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CTD MEASUREMENTS COLLECTED ON A CLIMATE AND GLOBAL CHANGE CRUISE (WOCE SECTION P16N) ALONG 152°W DURING FEBRUARY-APRIL, 1991

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CTD Measurements Collected on a Climate and Global Change Cruise (WOCE Section P16N) Along 152°E During February–April, 1991

K.E. McTaggart and L.J. Mangum

ABSTRACT. Summaries of Neil Brown Instrument Systems CTD measurements and hydrographic data acquired on a Climate and Global Change cruise during the spring of 1991 aboard the NOAA ship *Discoverer* are presented. The majority of these data were collected along 152°W from 22°N to 53.5°N. Data collected along 135°W from 50°N to 35°N, along a SW-NE dog-leg from 20°N, 155°W to the beginning of the 152°W line at 22°N, and along a SE-NW dog-leg from the end of the 152°W line at 53.5°N to 56.3°N, 153.2°W are also presented. Data acquisition and processing systems are described and calibration procedures are documented. Station location, meteorological conditions, CTD summary data listings, profiles, and potential temperature-salinity diagrams are included for each cast. Section plots of oceanographic variables and hydrographic data listings are also given.

1. INTRODUCTION

In support of NOAA's Climate Program, PMEL scientists have been measuring the growing burden of greenhouse gases in the thermocline waters of the Pacific Ocean and the overlying atmosphere since 1980. During leg 1 of this cruise, hydrographic and chemical measurements began with a series of stations along 135°W from 50°N to 35°N. Leg 2 began with a SW-NE dog-leg from 20°N, 155°W to the beginning of the 152°W line at 22°N. P16N stations extended northward at appoximately 40-mile spacing along 152°W to 53.5°N. The section then turned northwestward and stations were occupied to the 200-m isobath off Kodiak Island. Full water column CTD profiles and a suite of anthropogenic and natural tracers including chlorofluorocarbons (CFCs), helium-tritium, radiocarbon, total CO_2, dissolved oxygen, dissolved nutrients, and salinity were collected. These measurements will be used to study the distribution, sources, and formation rates of water masses and their flow patterns and time scales. The CFC and tritium measurements will be of use in studying the rates of upper and intermediate water mass formation and transport processes. CO_2 measurements will be used to study the flux of CO_2 from atmosphere to ocean and the importance of this region as a sink for CO_2.

A test station was occupied at 49°N, 127.5°W off Vancouver Island during the transit from Seattle to the start of leg 1 at 50°N, 135°W to check the CTD/rosette system. Samples were drawn from 10-liter Niskin bottles to check for CFC contamination and to test analytical equipment. Eleven stations followed from 50°N to 35°N. Nominal station spacing was 60 miles. After leaving the 135°W line, the ship transited to Hilo, Hawaii. Two stations were occupied at the end of leg 1 on the SW-NE dog-leg planned for leg 2. An additional five stations were occupied along this dog-leg at the beginning of leg 2. These were followed by 39 stations along WOCE line P16N at approximately 40-mile spacing. At 53.5°N, 152°W the line turned northwestward and 8 stations were occupied to the 200-m isobath off Kodiak Island. Figures 1a and 1b show the cruise track and

station locations for leg 1 (CG191). Figures 2a and 2b show the cruise track and station locations for leg 2 (CG291). Table 1 provides a summary of cast information.

2. STANDARDS AND PRE-CRUISE CALIBRATIONS

The Neil Brown Mark IIIb CTD profiler is designed to make precise, high-resolution measurements of conductivity, temperature, and pressure in the ocean environment. Electrical conductivity of seawater is obtained using a miniature four-electrode ceramic cell and highly precise and stable interface electronics. The EG&G conductivity sensor has a range of 1 to 65 mmho, an accuracy of ±0.005 mmho, resolution of 0.001 mmho, and stability of 0.003 mmho/month. Temperature is determined using a platinum resistance thermometer. The Rosemount platinum thermometer has a range of –32° to 32°C, an accuracy of ±0.005°C (–3° to 32°C), resolution of 0.0005°C, and stability of 0.001°C/month. Pressure is determined using a high performance stainless steel strain gauge pressure transducer. A thermistor within the pressure sensor housing corrects pressure values for the effects of temperature changes on the sensor itself. The Paine pressure sensor has a range of 0 to 6500 db, an accuracy of ±6.5 db, resolution of 0.1 db, and stability of 0.1%/month. Data from the underwater unit is transmitted in real time to a shipboard data terminal through a 3-conductor electro-mechanical cable. The data is in TELETYPE (TTY) format and uses a frequency shift key (FSK) modulated signal superimposed on the DC power supplied to the underwater unit.

Both pre-cruise and post-cruise laboratory calibrations were done at Northwest Regional Calibration Center (NRCC) in Bellevue, Washington. The CTD was placed in a temperature controlled bath and compared against a calibration standard at nine different temperatures ranging from 0° to 30°C. A linear fit was calculated for the platinum thermometer. A calibrated piston gauge was used to determine separate third-order fits for the CTD pressure sensor at four temperatures for increasing pressure (over seven pressure values from 0 to 6300 db) and decreasing pressure (over six values from 6300 to 0 db). Temperature and pressure calibrations are crudely checked at sea by comparing values with those from deep reversing thermometers, but the stability of the sensors is good enough (about 4 milli-degrees C for temperature and about 0.95 db for pressure over the 4-month period between pre- and post-cruise calibrations) that the CTD sensors are more accurate than the reversing thermometers.

The conductivity sensor usually drifts significantly from pre-cruise calibrations with use and is most accurately calibrated using water sample salinities. Immediately prior to tripping the rosette, values of pressure, temperature, and conductivity were recorded from the CTD deck unit. These upcast CTD values are usually used for comparison with sample salinity values.

3. DATA ACQUISITION

PMEL's Neil Brown Mark IIIb CTD S/N 1111 (sampling rate 31 Hz) and two General Oceanics 24-bottle rosettes were used throughout the cruise. Casts to within a nominal distance of

50 m from the bottom were made using a Benthos acoustic pinger mounted low on the frame and opposite the CTD sensor arm. The position of the package relative to the bottom was monitored on the ship's Precision Depth Recorder (PDR). A bottom depth was provided by the ship's fathometer and the PDR turned on within 1000 m of the bottom during the downcast. Ten-liter Niskin bottles were used to collect water samples for salinity, oxygen, nutrients, CFCs, helium, tritium, radiocarbon, CO_2, pH, DON, DIC, and productivity.

The package entered the water and was lowered at a rate of 30 m/min for the first 50 m. To reduce the chance of contamination in the bottles, the package was not soaked near the surface prior to descent. Speed was increased at 50 m to 45 m/min, and increased again at 200 m to 60 m/min. Ship roll sometimes caused substantial variation about these mean lowering rates. After retrieval of the package, sensors were flushed with fresh water and a plastic cover was placed around the sensor arm and filled with fresh water.

A Neil Brown Mark III deck unit received the FSK signal from the CTD and displayed pressure, temperature, and conductivity. An analog signal was forwarded from the deck unit to an XYY' recorder to monitor the data acquisition in real time for signal spiking and problems with the electrical termination. An audio signal was sent to an Akai reel-to-reel audio recorder as a backup. Digitized data were forwarded to a 286-AT personal computer with EG&G Oceansoft acquisition software version 2.02 and backed up onto ¼" cartridge tape. Data files were transferred to a microVAX II where PMEL's standard processing and plotting software were installed. Plots were generated after each cast to check for problems and monitor sensor drift. Backups of the raw and processed data were made using TK50 cartridge tapes.

3.1 Data Acquisition Problems

Beginning with cast 1, there were several nonconfirmations from the rosette deck unit. After the second cast, the CTD was reterminated and a grounding strap added. An oscilloscope monitored the voltage sent down the cable. There was some signal noise in the conductivity channel seen on the XYY' plots. CTD connectors were cleaned and checked as well as the conductivity cell prior to cast 17. After this, the XYY' plots looked good and the rosette functioned well. During cast 28, the CTD grounding strap parted and was fixed after the cast. Heavy surging produced two kinks in the cable during cast 32 and cast 33. Cast 36 produced two bends in the cable within 3 m of the underwater package but the cable was not reterminated. With cast 40 began major malfunctions in the rosette system including nonconfirmations on the deck unit and open bottles at the surface but not necessarily the same number. Water was found in the connectors after this cast and they were cleaned and reseated. Extensive troubleshooting of the rosette system continued with nearly every cast. After cast 55, the CTD and rosette signals were separated and placed on independent conducting wires in the sea cable. Things did not improve, however. The CTD was reterminated after cast 56. The grounding strap parted again during cast 59 and was repaired. The conductivity sensor was flushed with deionized water because of a noisier analog signal. By cast 72 the rosette

was working better though not perfectly. After cast 77, all operations ceased for 2 days owing to bad weather. The remaining casts were in rougher seas, the last being cast 87 at station 66.

Misfires were determined by a collaborative effort using the difference between CTD and bottle salinity, pH, oxygen, and nutrient data.

Audio tapes for the Akai reel-to-reel recorder had been recycled several times and backups were poor owing to oxidation of the tapes despite repeated cleaning of the tape heads even during the cast. The recorder began failing around station 22. Approximately 600 m of data from cast 65 were lost during acquisition when the PC hard disk became full and the program aborted. The operator didn't realize this for several minutes and the data had to be restored from audio reel-to-reel tape later. The replay was very poor. The majority of data between 1350 and 2100 m is linearly interpolated in patches. Audio backups were made using cassette tapes for casts 56–59, and after cast 65.

3.2 Salinity Analyses

Bottle salinity analyses were performed in a climate-controlled lab using two Guildline Autosal Model 8400A inductive salinometers and IAPSO Standard Seawater from Wormley batch P110. The commonly accepted precision of the Autosal is 0.001 psu, with an accuracy of 0.003 psu. Salinity samples were collected from each sample bottle at all stations by ship's personnel. Two samples were drawn from the deepest bottle at each station to monitor the drift of the Autosal instrument. The first deep sample was run that day, the second was run the following day. The Autosals were standardized at the beginning of each day using one vial of standard seawater, and again at the end of each case of sample bottles. The drift during each run was monitored and individual samples were corrected for the drift during each run by linear interpolation. Bottle salinities were compared with computed CTD salinities to identify leaking bottles, as well as to monitor the conductivity sensor performance and drift. Calibrated CTD salinities replace missing bottle salinities in the hydrographic data listing and are indicated by an asterisk. Bad bottle values have not been flagged in this report.

4. POST-CRUISE CALIBRATIONS

NRCC pre-cruise calibrations for CTD S/N 1111 were as follows:

E	D	C	B			
–32.7088	0.9961159	0.188702E-5	–0.1999822E-09	P	DN	FEB 91
–35.0322	0.9940687	0.293848E-5	–0.3073184E-09	P	UP	FEB 91
0.0534	1.0005530	0.000000E-6	0.0000000E-10	T	68	FEB 91
0.0018	0.9997682	0.000000E-6	0.0000000E-10	C		FEB 91

NRCC post-cruise calibrations for CTD S/N 1111 were as follows:

E	D	C	B			
–33.6641	0.9963757	0.181537E-5	–0.1971429E-09	P	DN	JUN 91
–35.8913	0.9941153	0.290680E-5	–0.3061199E-09	P	UP	JUN 91
0.0494	1.0006070	0.000000E-6	0.0000000E-10	T	68	JUN 91
–0.0028	0.9996766	0.000000E-6	0.0000000E-10	C		JUN 91

4.1 Pressure

Uptrace and downtrace scaling coefficients used were pre-cruise pressure calibrations applied as follows:

$$P = E + D * P_{RAW} + C * P_{RAW}^2 + B * P_{RAW}^3$$

where

	E	D	C	B
P(DOWN):	–32.7088	0.9961159	0.188702E-5	–0.1999822E-09
P(UP) :	–35.0322	0.9940687	0.293848E-5	–0.3073184E-09

4.2 Temperature

Final temperature calibrations used were pre-cruise coefficients applied as follows:

$$T = E + D * T_{RAW}$$

where E = 0.0534 and D = 1.0005530.

4.3 Conductivity

Final calibrations were computed for a composite bottle data set called COMBINE.CAL produced by program COMBINE of leg 1 casts 1–23, leg 2 casts 24–87, and Pacific Sulfur/Stratus Investigation cruise (PSI91) casts 88–116. PSI91 immediately followed the WOCE P16N legs using the same CTD equipment and procedures. The PSI data had no deep bottle data and so was calibrated along with the last group which included the whole of leg 2 data. Program LINCALW was used to compute an overall linear least-squares fit of CTD and bottle conductivity. Plotting command file CALMCONW.PPC generated a plot of cast number versus CTD-bottle conductivity differences which illustrated cast breaks between casts 2 and 3 where the cable was first reterminated, and between casts 16 and 17 where the conductivity cell had been cleaned on leg 1.

LINCALW was then run on all bottles in each of the three groups of casts. A CALMCONW plot of pressure versus CTD-bottle conductivity differences looked good but showed an offset of approximately 0.002 mmho/cm in the deepest bottles. Fitting each group using only deep bottles (>2000 m) remedied the deep pressure offset but skewed the surface bottles. The results of LINCALW applied were for all bottles in each group:

	BIAS	SLOPE	STD DEV	NPTS
Group 1 (casts 1 & 2):	–0.03930474	1.000857	0.0014	34
Group 2 (casts 3–16):	0.01242658	0.999319	0.0017	256
Group 3 (casts 17–118):	–0.00262318	0.999693	0.0022	1398

DEEPCTD.PPC plots of CTD salinity versus potential temperature and bottle salinities overplotted with the above calibrations applied showed that the majority of deep CTD traces were slightly fresher than the bottles. An average of the CTD-bottle conductivities for bottles deeper than 5000 m was computed (0.0015 mmho/cm), added to the bias correction of group 3, and applied to only casts of leg 2 (casts 24–87). Adding this additional conductivity offset to leg 1 casts of group 3 made no improvement.

CTD-bottle conductivity differences with final calibration coefficients applied are plotted against cast number to show the stability of the calibrated CTD conductivities relative to the bottle conductivities (figure 3 upper panel). CTD-bottle conductivity differences plotted against pressure show the tight fit below 1000 m and the increasing scatter above 1000 m (figure 3 lower panel).

4.3.1 Conductivity Calibration Programs and Plotting Command Files (.PPC)

COMBINE creates an uncalibrated bottle data file of CTD pressure, temperature, conductivity, and bottle salinity.

CALMSTRW inputs the uncalibrated bottle file and outputs a calibrated bottle file with computed CTD salinity. CALMSTRW also outputs a WOCE bottle file (.SEA) with unedited quality flags.

LINCALW inputs the uncalibrated bottle file (which may be broken into groups) and calculates a least-squares fit between CTD and water sample conductivity. When the difference between CTD and water sample conductivity is greater than 2.8 times the standard deviation of the calculated fit, the calibration pairs are discarded. Another fit is then calculated without these points and the process is iterated until no calibration pairs are discarded. LINCALW outputs a file containing the final least squares fit coefficients and a log file of fit iterations.

CALMCONW.PPC reads the calibrated bottle data and makes five separate scatter plots of pressure, temperature, conductivity, salinity, and cast number versus CTD-bottle conductivity. These are examined for cast breaks and drifts in the CTD, and show the stability of the final calibrated CTD conductivities relative to the bottle conductivities.

CALMDEEPW.PPC reads the calibrated bottle file and makes two separate scatter plots of CTD salinity and bottle salinity versus potential temperature from theta = 0.6 to 2.2°C.

DEEPCTD.PPC reads processed CTD and bottle data files of deep casts and overplots discrete bottle salinity data on CTD salinity traces from theta = 0.8 to 2.4°C.

5. POST-CRUISE PROCESSING

Standard processing programs and plotting command files were used to process this data set. TSPLTEP.PPC and DEEPCTD.PPC plots were used to identify any spiking or looping not corrected in the processing programs. These were removed using EPCTDW subroutine NOMIT and replaced by linear interpolation.

5.1 Processing Programs and Plotting Command Files

In order to eliminate anomalous excursions in the raw temperature and conductivity data associated with reversals in the direction of movement of the CTD package, as well as when the package decelerated due to the ship rolling and pitching, DPDNZ computes a fall rate between samples approximately 2 seconds apart and records it along with the original unprocessed data. DPDNZ inputs EG&G CTDACQ raw data files (.EDT) and outputs a binary file of raw data including computed fall rates (.DPZ) and an ASCII file (.RECZ) from which a record range for the downcast is selected.

DLAGAVZ inputs the binary file of raw data including fall rate values (.DPZ), applies pre-cruise calibrations, edits the data for window outliers and first differencing outliers, fills these gaps by linear interpolation, corrects for the time-constant mismatch between temperature and conductivity sensors, edits data exceeding the fall rate criteria, computes 1-m averages, and applies a cell correction to final conductivity values. DLAGAVZ outputs an error log file of outlier flags, interpolated values, and fall rate criteria failures; and an ASCII data file including computed salinity.

After reading in a buffer of data, DLAGAVZ applies appropriate transfer functions to convert the data to engineering units and checks for obviously bad values. If a value falls outside preset windows it is flagged as bad. The windows used on this data set were –12 to 6500 db for pressure, –2° to 33°C for temperature, and 24 to 68 mmho/cm for conductivity. The first two data scans after the user-supplied starting record number which pass this window test are considered the first two good scans. Subsequent data points are then edited by calculating the difference between the scan under consideration and the previous scan. If this difference is greater than a certain preset value (1 for pressure, 0.07 for temperature, and 0.1 for conductivity) it is tentatively rejected. The difference between the next scan and the last good scan is then calculated. If this value exceeds twice the maximum allowable difference between scans, it too is considered bad. If five scans in a row fail in this manner it is assumed that there is a gap in the data record and all scans are retained as good. If the next, third, fourth or fifth scan has a value close enough to the last good scan, then the scan in question is flagged as bad and is rejected.

A filter is applied to conductivity data in DLAGAVZ to account for the response time difference between the conductivity sensor and the slower platinum thermometer. This filter was developed using the techniques discussed in Horne and Toole (1980). Conductivity is slowed as follows:

$$C(n) = (1 - A)\ CM(n) + A * C(n - 1)$$

where C is the lagged conductivity, CM is the measured conductivity, n is the scan number, and A is a constant which has been determined to best match temperature and conductivity (A = 0.87).

As the CTD/rosette package descends rapidly through the water column, turbulent wake is shed behind it. As the package slows suddenly or reverses due to ship's roll, the wake is shed forward. When the fall rate of the package increases again, the sensor measurements are affected by the mixed water it must pass through. In DLAGAVZ, the lagged conductivity and measured temperature values are accepted and placed in 1 db bins unless the fall rate calculated by DPDNZ falls below the user specified minimum rate (0.8 db/60 scans or 25 m per minute). Data are rejected until the CTD is once again moving downward past the pressure at which it slowed below the minimum fall rate plus a user-specified pressure interval (1.5 db) to account for passing through the mixed water.

EPCTDW inputs calibrated pressure, temperature, and raw conductivity data, applies any additional pressure and temperature calibrations, and corrects raw conductivity for cell material deformation dependence on pressure and temperature as follows (Fofonoff *et al.*, 1974):

$$CC = CR * (1 - alpha * (DATA\ (2,L) - 15.) + beta * (DATA\ (1,L) / 3.))$$

where DATA (1,L) is pressure, DATA (2,L) is temperature, alpha = 6.5E – 06 and beta = 1.5E – 08. EPCTDW applies conductivity calibrations, computes salinity, eliminates single-point spikes according to the gradients given in the source code, omits any values specified by the processor, fills missing records by linear interpolation such that a value exists every whole meter, recomputes conductivity, and calculates potential temperature, sigma-t, sigma-theta, and dynamic height according to the subroutines supplied in Fofonoff and Millard (1983). EPCTDW outputs final data files (.CTD) in PMEL's EPIC (Equatorial Pacific Information Collection) format (Soreide *et al.*, 1995) and a log file listing the edited and filled data points.

In EPCTDW, a single-point spike in temperature or salinity is removed if the gradient is greater than 0.05° for temperature and 0.025 for salinity above 200 db, and 0.01 for temperature and salinity below 200 db; and has the opposite sign. Surface values of temperature and salinity are filled with the values associated with the shallowest pressure for which values do exist provided this pressure is less than 20 db. Data points are linearly interpolated to fill gaps, resulting in an even 1 db pressure spacing of the final data array.

EPICBOMSTRW inputs the calibrated bottle data file and EPIC CTD data files (for header information), and outputs bottle data files in EPIC format.

TSPLTEP.PPC reads a CTD EPIC pointer file and a bottle EPIC pointer file and overplots discrete bottle salinity data onto full water column CTD traces. TSPLTEP.PPC also overplots sigma-t lines.

TEXTNOX inputs a CTD EPIC pointer file and constructs a plotting subcommand file, TXT*.PPC, for each cast.

3PLTNOX.PPC reads TXT*.PPC subcommand files and a CTD EPIC pointer file and generates vertical profiles of temperature, salinity, and sigma-t versus pressure to 1000 db. 3PLTNOX.PPC also lists a subsampling of CTD data in table form aside the profiles.

6. DATA PRESENTATION

The final calibrated data in EPIC format were used to produce the plots and listings which follow. The majority of the plots were generated using Plot Plus Scientific Graphics System (Denbo, 1992). Tables 2–6 define the abbreviations and units used in the CTD data summary listings. Vertical sections of potential temperature and salinity are contoured with pressure as the vertical axis and latitude as the horizontal axis (Figs. 4–7). Nominal vertical exaggerations are 500:1 below 1000 db (lower panels) and 1250:1 above 1000 db (upper panels). Plots and summary listings of CTD data follow for each cast. All sample salinity values are given, including bad values, which are not flagged in this report. Hydrographic bottle data at discrete depths are listed in the final section.

7. PARTICIPATING INSTITUTIONS/PERSONNEL

NOAA Pacific Marine Environmental Laboratory (PMEL)
NOAA Atlantic Oceanographic and Meteorological Laboratory (AOML)
Woods Hole Oceanographic Institution (WHOI)
University of California Santa Barbara (UCSB)
Scripps Institution of Oceanography (SIO)
University of South Florida (USF)
University of Washington (UW)
Princeton University
Oregon State University (OSU)
University of Miami (UM)

Measurement	Principal Investigator	Institution
CTD	S. Hayes	PMEL
CFCs	J. Bullister	PMEL
Helium-3	W. Jenkins	WHOI
	J. Lupton	UCSB
Tritium	W. Jenkins	WHOI
Oxygen	J. Swift	SIO
Total CO_2	R. Feely	PMEL
Alkalinity	R. Feely	PMEL
pH	R. Byrne	USF
DIC	P. Quay	UW
C14 (Large Volume)	R. Key	Princeton
C14 (AMS)	R. Key	Princeton
Nutrients	J. Swift	SIO
DON	P. Wheeler	OSU
ADCP	R. Pinkel	SIO

		Leg 1	Leg 2
John Bullister, PMEL	Chief Scientist/CFCs		x
David Wisegarver, PMEL	CFCs	x	x
Fred Menzia, PMEL	CFCs	x	x
Jeff Benson, PMEL	rosette operations	x	x
Margie McCarty, PMEL	CTD	x	
Kristy McTaggart, PMEL	CTD		x
Tiffany Vance, PMEL	CTD		x
Dana Greeley, PMEL	rosette operations, CO_2	x	x
Paulette Murphy, PMEL	CO_2	x	x
Susan Leftwich, AOML	CO_2		x
Jianrong Zhang, UW	DIC		x
Richard Kovar, OSU	Productivity/DON	x	
Mary-Lynn Dickson, OSU	Productivity/DON	x	x
Pat Wheeler, OSU	Productivity/DON		x
Mike Behrenfeld, OSU	Productivity		x
Robert Key, Princeton	LV C-14, AMS C-14	x	x
Art Hester, SIO-ODF	Oxygen, nutrients	x	x
Leonard Lopez, SIO-ODF	Large volume C-14	x	x
Robert Byrne, USF	pH		x
Tonya Clayton, USF	pH		x
Kim Kelly, PMEL	Underway dissolved gases	x	x
Kelly Roupe, PMEL	Helium-tritium	x	x
Dan Lee, PMEL	CFCs, data processing	x	x
Timothy Bates, PMEL	Trace gases	x	
Patricia Quinn, PMEL	Trace gases	x	
David Cooper, UM	Trace gases	x	
Sheri Yvon, UM	Trace gases	x	

8. ACKNOWLEDGMENTS

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FIGURES AND TABLES

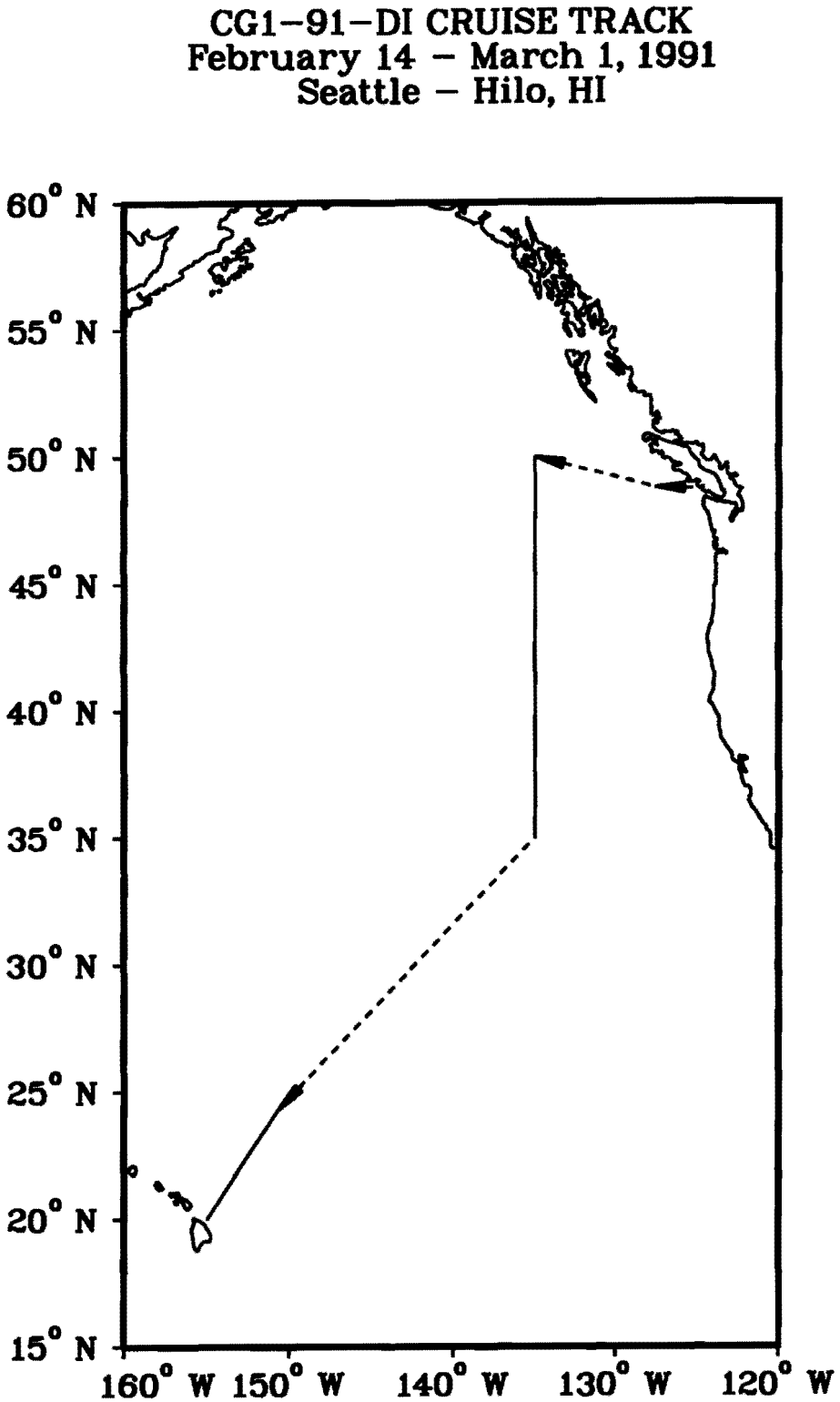


Fig. 1a. CGC91 cruise track, leg 1.

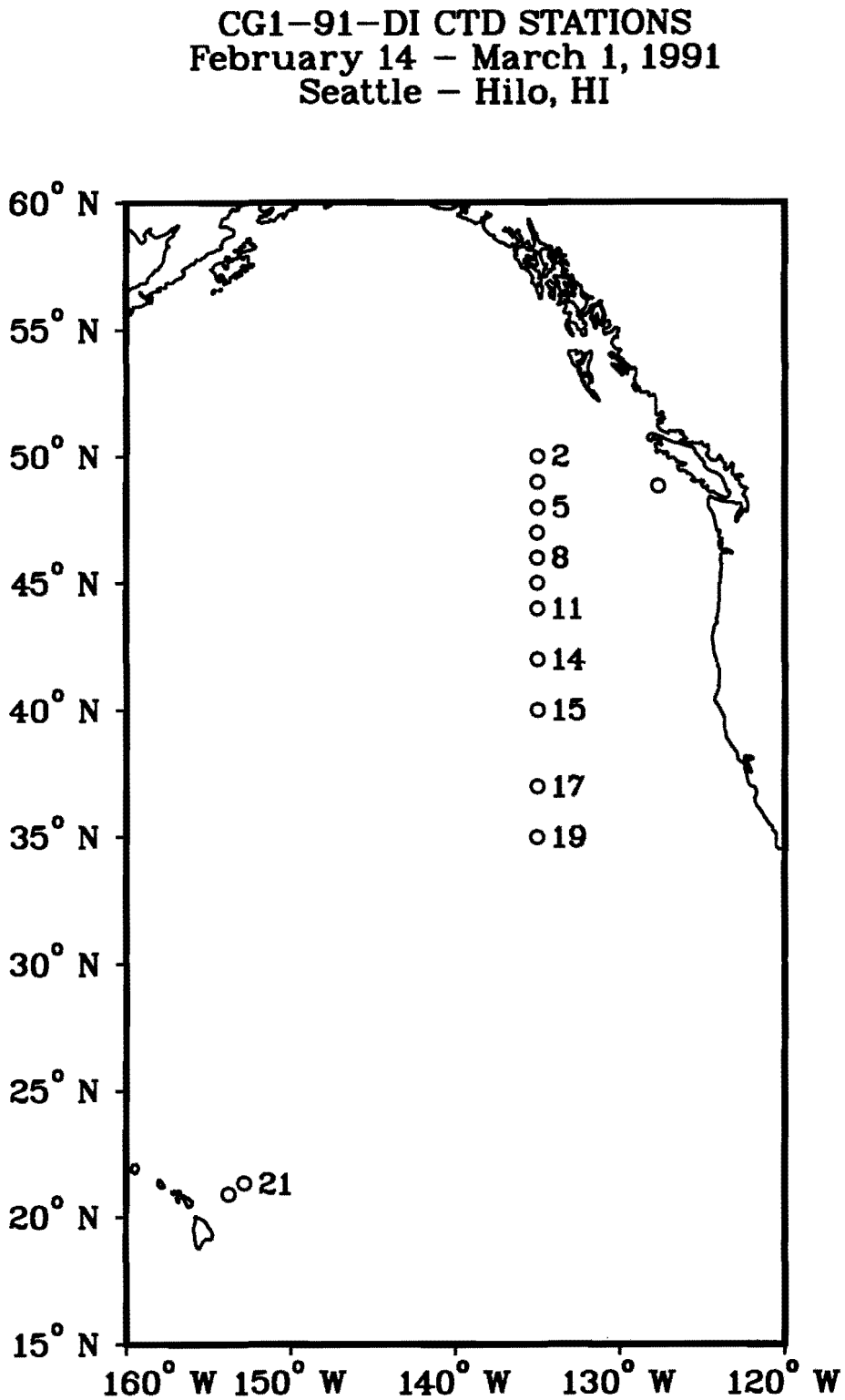


Fig. 1b. CTD station locations made on the NOAA ship *Discoverer* from 16 February to 1 March, 1991.

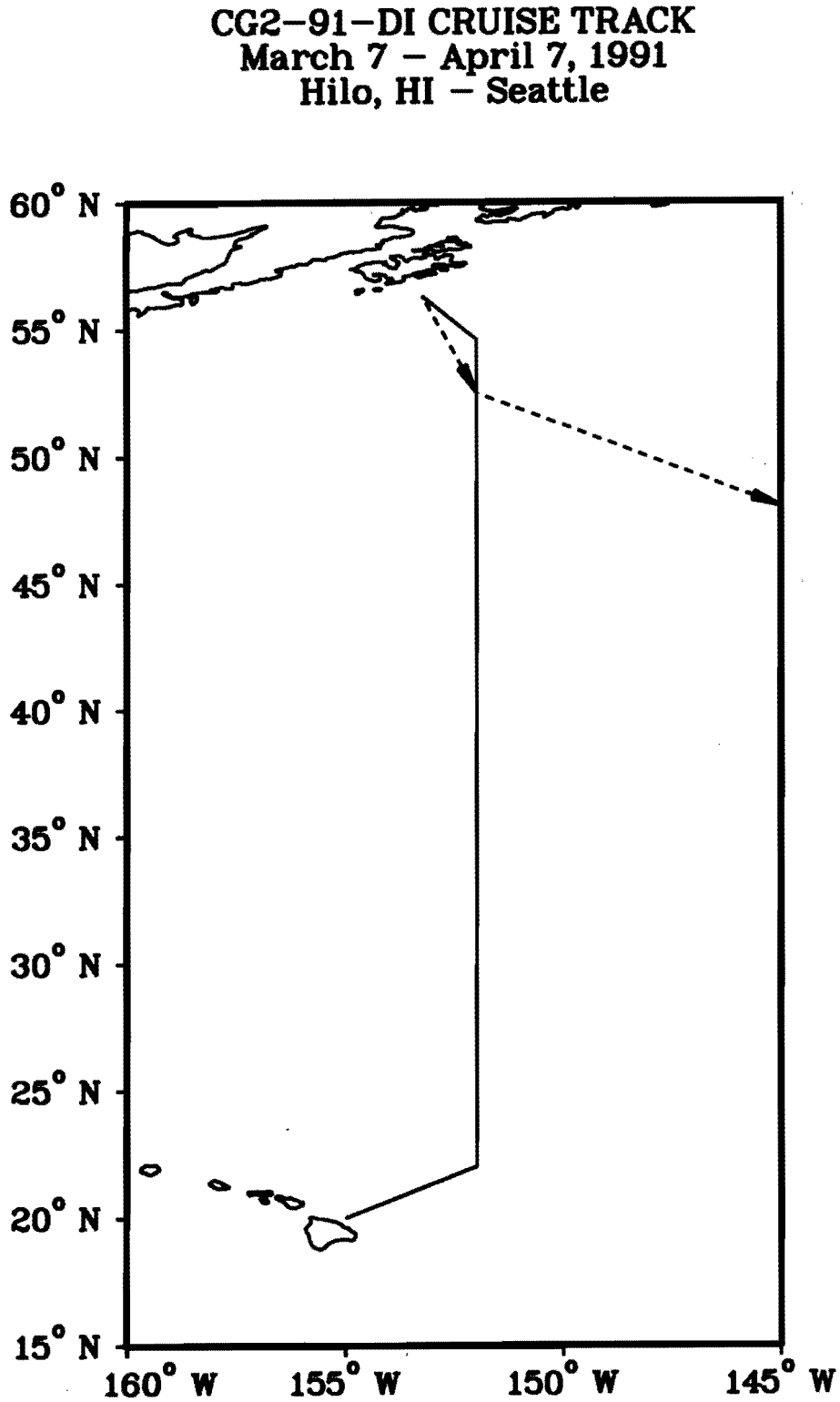


Fig. 2a. CGC91 cruise track, leg 2.

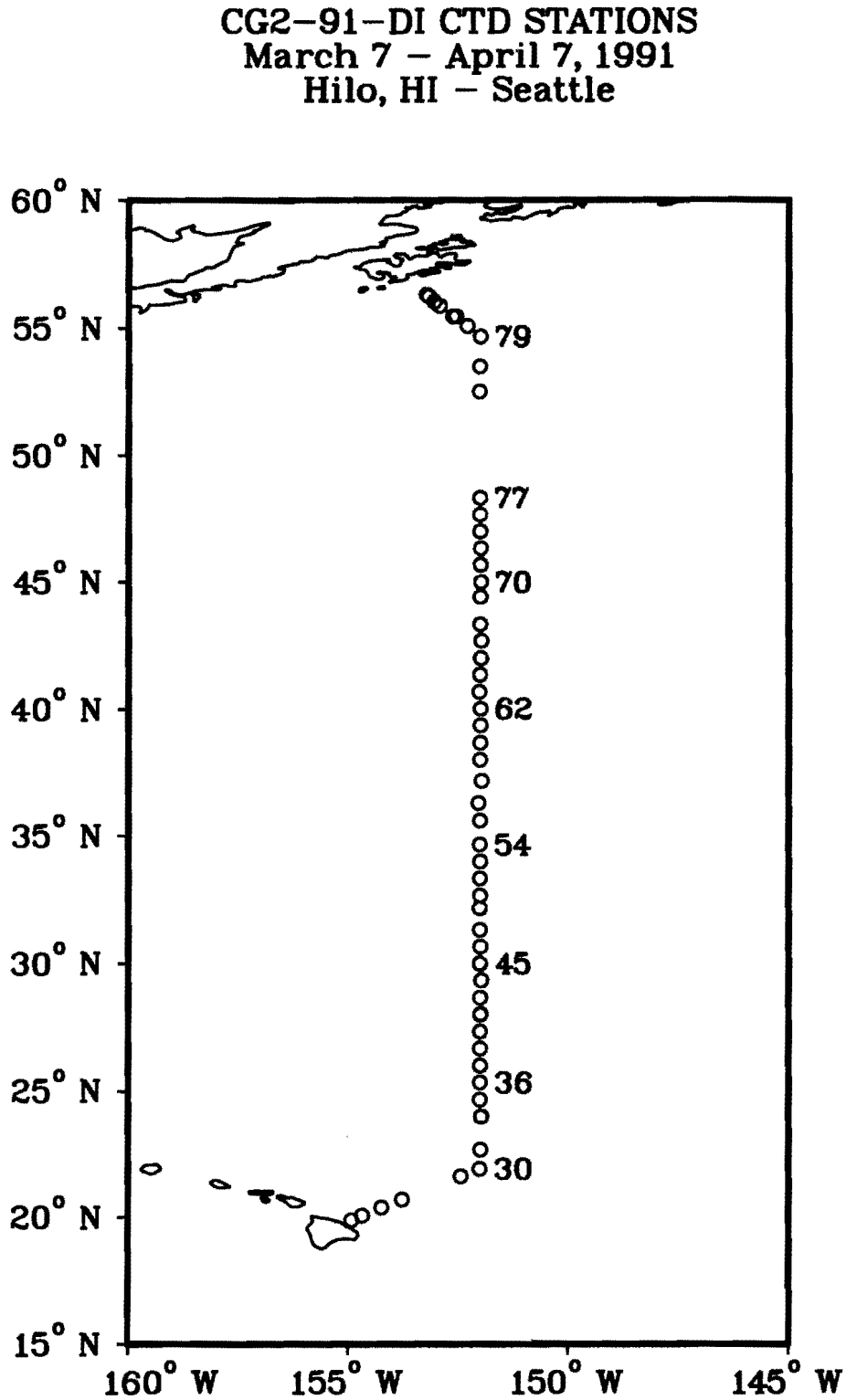


Fig. 2b. CTD station locations made on the NOAA ship *Discoverer* from 8 March to 2 April, 1991.

Table 1. CTD cast summary.

Stn #	Cast #	Latitude	Longitude	Date	Time	W/D T	W/S (kts)	Depth (m)	Cast (db)
1	1	48 50.0N	127 39.7W	16 FEB 91	536	240	6	2529	2379
2	2	50 0.2N	135 0.0W	17 FEB 91	836	165	5	3480	300
2	3	50 0.2N	134 59.8W	17 FEB 91	1219	172	13	3480	3505
3	4	48 59.7N	134 59.5W	17 FEB 91	2322	180	14	3921	3498
4	5	47 59.5N	134 58.7W	18 FEB 91	922	212	17	3742	3773
4	6	47 59.5N	134 59.4W	18 FEB 91	1354	200	26	3652	298
5	7	46 59.2N	134 59.8W	19 FEB 91	9	225	30	4092	3502
6	8	46 0.2N	135 1.1W	20 FEB 91	234	275	22	3949	3951
6	9	46 0.0N	134 59.9W	20 FEB 91	720	260	16	3803	965
7	10	45 0.3N	135 0.2W	20 FEB 91	1636	0	3	4017	4041
8	11	43 59.9N	135 0.2W	21 FEB 91	1614	200	6	3944	301
8	12	43 59.5N	134 59.4W	21 FEB 91	1945	200	8	3944	3976
9	13	41 59.9N	134 59.5W	22 FEB 91	711	80	6	4023	301
9	14	42 0.3N	134 59.7W	22 FEB 91	1053	0	2	4025	4069
10	15	40 0.0N	135 0.0W	22 FEB 91	2205	125	17	4138	701
10	16	39 59.8N	134 59.9W	23 FEB 91	145	135	10	4144	4150
11	17	36 59.5N	134 59.4W	23 FEB 91	1700	95	16	5039	304
11	18	36 59.4N	134 59.4W	23 FEB 91	2038	95	16	5044	5134
12	19	35 0.1N	135 0.1W	24 FEB 91	740	90	15	5213	699
12	20	35 0.1N	135 0.1W	24 FEB 91	1151	115	5	5203	5270
13	21	21 20.0N	152 49.6W	28 FEB 91	2010	300	20	5255	356
13	22	21 20.1N	152 50.6W	28 FEB 91	2333	310	14	5249	5329
14	23	20 55.1N	153 47.5W	1 MAR 91	915	260	8	5235	1994
15	24	19 53.3N	154 55.3W	8 MAR 91	402	40	14	962	921
16	25	20 4.0N	154 40.5W	8 MAR 91	831	40	17	2531	2519
17	26	20 22.0N	154 14.1W	8 MAR 91	1448	50	24	5369	1006
17	27	20 23.8N	154 14.2W	8 MAR 91	1948	45	20	5455	5215
18	28	20 42.4N	153 46.0W	9 MAR 91	411	80	30	5064	5075
19	29	21 36.8N	152 26.2W	10 MAR 91	521	65	25	5339	5384
20	30	21 54.9N	152 0.2W	10 MAR 91	1310	75	23	5691	315
20	31	21 55.0N	152 0.0W	10 MAR 91	1647	75	22	5691	5753
21	32	22 40.6N	151 59.5W	11 MAR 91	1030	70	20	5576	5495
22	33	23 59.8N	151 58.8W	12 MAR 91	452	60	28	5617	5467
22	34	24 0.2N	151 58.0W	12 MAR 91	1000	70	22	5321	912
23	35	24 39.9N	152 0.2W	12 MAR 91	1824	65	23	5296	5346
24	36	25 20.2N	151 59.7W	13 MAR 91	910	60	28	5498	5542
25	37	26 0.1N	151 59.7W	13 MAR 91	1625	60	22	5372	603
25	38	26 0.2N	152 0.0W	13 MAR 91	2220	60	22	5373	5414
26	39	26 39.9N	152 0.0W	14 MAR 91	725	60	22	5428	5487
27	40	27 20.0N	151 59.9W	14 MAR 91	1602	70	20	5681	5556
28	41	28 1.4N	151 59.3W	15 MAR 91	100	60	22	5333	5530
28	42	28 0.0N	151 59.7W	15 MAR 91	855	60	25	5516	1007
29	43	28 39.8N	151 59.9W	15 MAR 91	1638	60	22	5602	5659
30	44	29 20.7N	151 58.3W	16 MAR 91	137	65	20	5267	5434
31	45	30 0.0N	152 0.0W	16 MAR 91	918	50	20	5397	300
31	46	30 0.0N	152 0.5W	16 MAR 91	1425	30	16	5400	5111
32	47	30 39.8N	151 59.5W	17 MAR 91	1030	45	17	5449	5420
33	48	31 20.1N	152 0.1W	17 MAR 91	1841	30	18	5465	5513
34	49	32 10.1N	152 0.3W	18 MAR 91	339	20	16	5262	5007
34	50	32 10.5N	152 0.6W	18 MAR 91	747	15	8	5256	401

Table 1. (continued)

Stn #	Cast #	Latitude	Longitude	Date	Time	W/D T	W/S (kts)	Depth (m)	Cast (db)
35	51	32 40.0N	152 0.0W	18 MAR 91	1336	0	10	5548	5608
36	52	33 20.0N	152 0.0W	18 MAR 91	2138	20	5	5563	5525
37	53	34 0.1N	152 0.1W	19 MAR 91	824	10	16	5559	5634
38	54	34 40.0N	152 0.3W	19 MAR 91	1631	20	8	5668	5734
39	55	35 36.5N	152 0.4W	20 MAR 91	224	0	4	5705	5759
40	56	36 17.8N	152 2.7W	20 MAR 91	1058	50	3	5629	5654
41	57	37 11.0N	151 58.0W	21 MAR 91	715	0	6	5572	5622
41	58	37 9.9N	151 57.6W	21 MAR 91	1129	0	4	5511	403
42	59	37 59.9N	152 0.0W	21 MAR 91	1904	130	8	4973	5021
43	60	38 40.2N	151 59.9W	22 MAR 91	215	120	1	5338	5350
44	61	39 21.0N	151 59.2W	22 MAR 91	933	0	0	5346	5510
45	62	40 0.9N	151 59.6W	22 MAR 91	1709	35	17	5253	5284
46	63	40 40.5N	152 1.3W	23 MAR 91	38	30	10	5021	5072
47	64	41 21.0N	152 0.3W	23 MAR 91	801	15	15	5218	5280
48	65	41 59.9N	151 59.2W	23 MAR 91	1556	60	16	5117	5139
48	66	41 59.6N	151 59.1W	24 MAR 91	931	105	18	5139	754
49	67	42 40.8N	151 58.5W	24 MAR 91	1628	105	20	5233	5211
50	68	43 20.0N	152 0.0W	24 MAR 91	2358	135	15	4932	5042
51	69	44 25.1N	151 59.8W	25 MAR 91	950	140	19	5201	5257
52	70	45 0.1N	151 59.0W	25 MAR 91	1736	145	17	5222	5341
53	71	45 41.0N	151 59.7W	26 MAR 91	113	140	18	5271	5336
53	72	45 41.1N	151 59.6W	26 MAR 91	405	40	18	5250	648
54	73	46 20.2N	151 59.3W	26 MAR 91	1006	145	22	5402	5458
55	74	47 0.3N	151 59.9W	26 MAR 91	1621	155	24	5167	405
55	75	47 0.0N	152 0.0W	27 MAR 91	739	270	15	5167	5234
56	76	47 39.9N	152 0.4W	27 MAR 91	1545	255	17	5116	5150
57	77	48 19.5N	152 0.3W	27 MAR 91	2320	210	25	5043	5114
58	78	53 29.7N	152 0.7W	30 MAR 91	137	270	15	4704	4755
59	79	54 39.8N	151 59.8W	30 MAR 91	1117	295	22	4291	4346
60	80	55 26.7N	152 37.7W	31 MAR 91	757	50	4	5158	5246
60	81	55 27.3N	152 33.5W	31 MAR 91	1143	120	5	5159	406
61	82	55 51.9N	152 55.7W	31 MAR 91	1715	135	10	4051	4078
62	83	56 1.6N	153 2.7W	31 MAR 91	2122	140	28	1977	1945
63	84	56 14.5N	153 10.8W	1 APR 91	100	105	24	964	935
64	85	56 17.7N	153 13.9W	1 APR 91	400	0	0	272	222
65	86	55 4.2N	152 17.9W	1 APR 91	2021	45	16	4157	4174
66	87	52 30.0N	152 1.2W	2 APR 91	2205	140	26	4403	4516

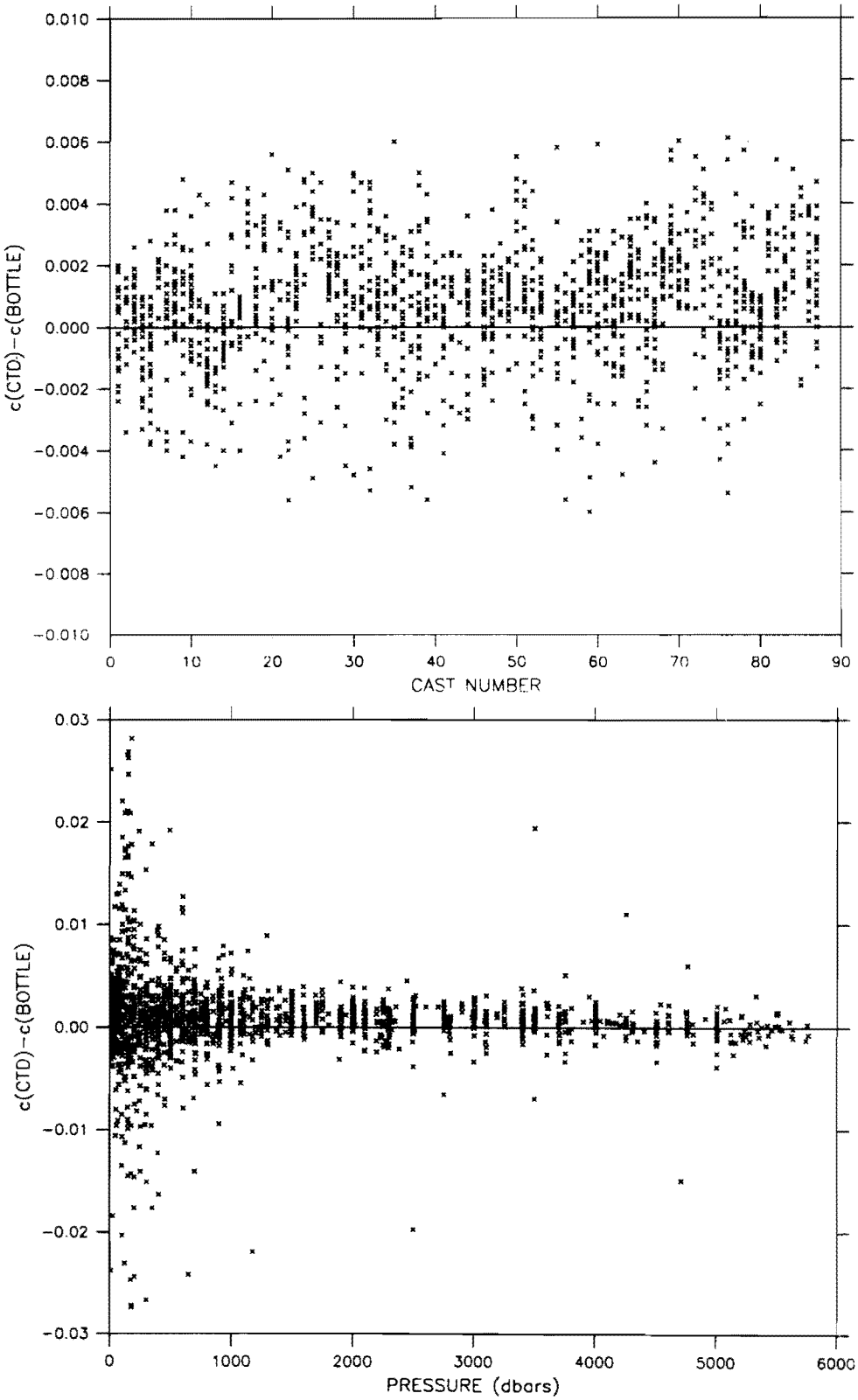


Fig. 3. Calibrated CTD-bottle conductivity (mmho/cm) differences plotted against cast number (upper panel). Calibrated CTD-bottle conductivity (mmho/cm) differences plotted against pressure (lower panel).

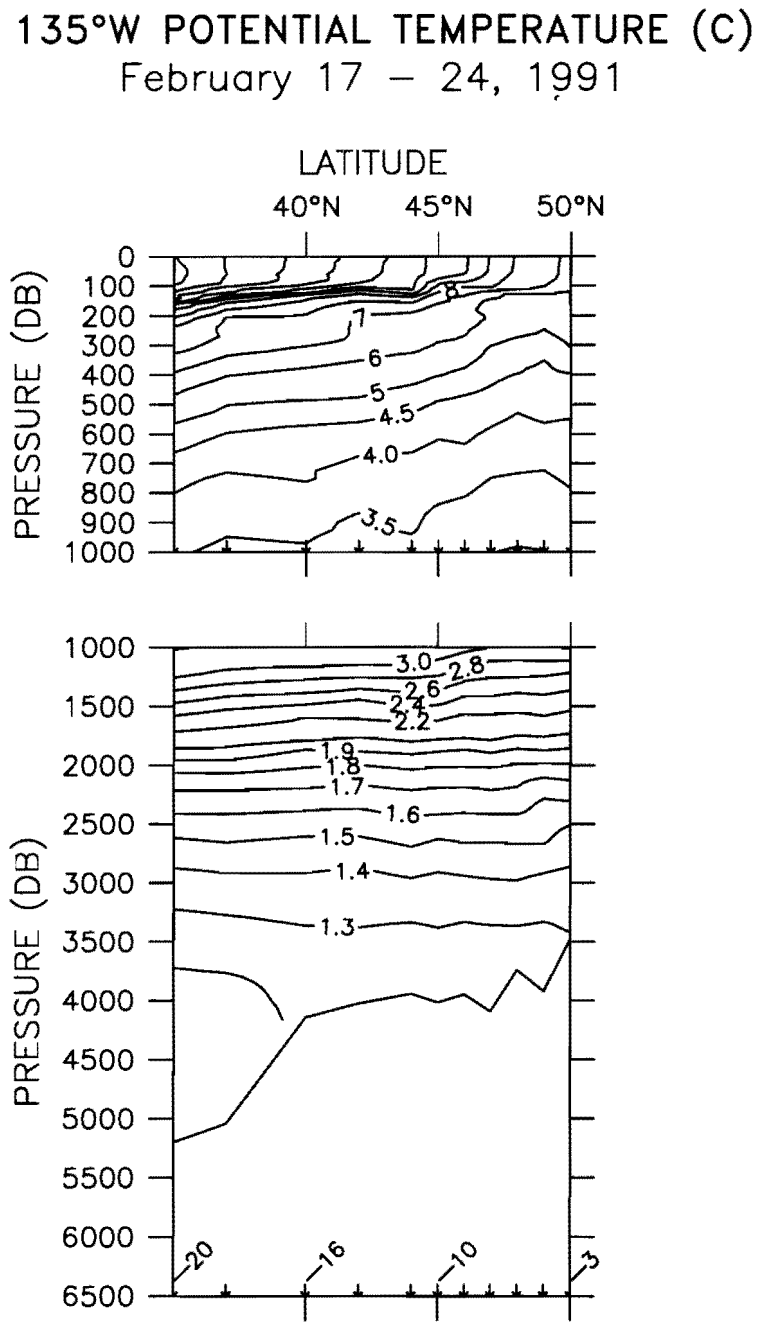


Fig. 4. Potential temperature (°C) section along 135°W. Contour intervals are 0.2°C from 0–3°C, 0.5°C from 3–5°C, and 1°C from 5–35°C in the upper panel. Contour intervals are 0.1°C from 0–2°C, 0.2°C from 2–3°C, 0.5°C from 3–5°C in the lower panel.

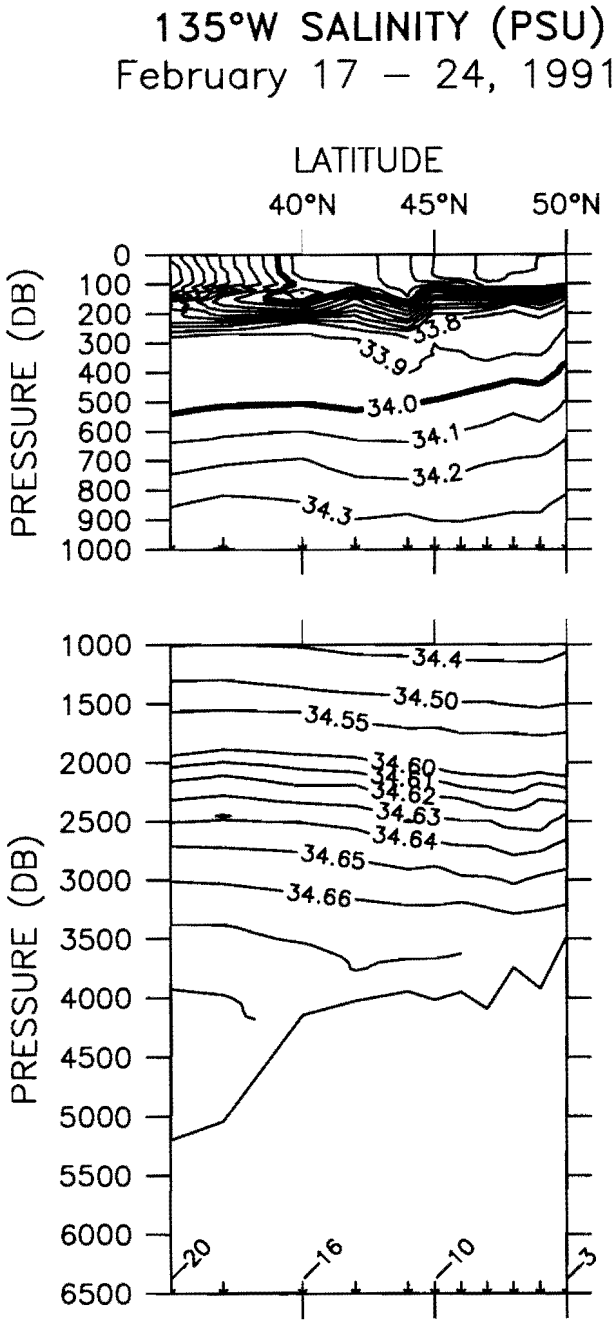


Fig. 5. Salinity (psu) section along 135°W. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.1 psu from 34.6–37.0 psu in the upper panel. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.01 psu from 34.6–34.8 psu in the lower panel.

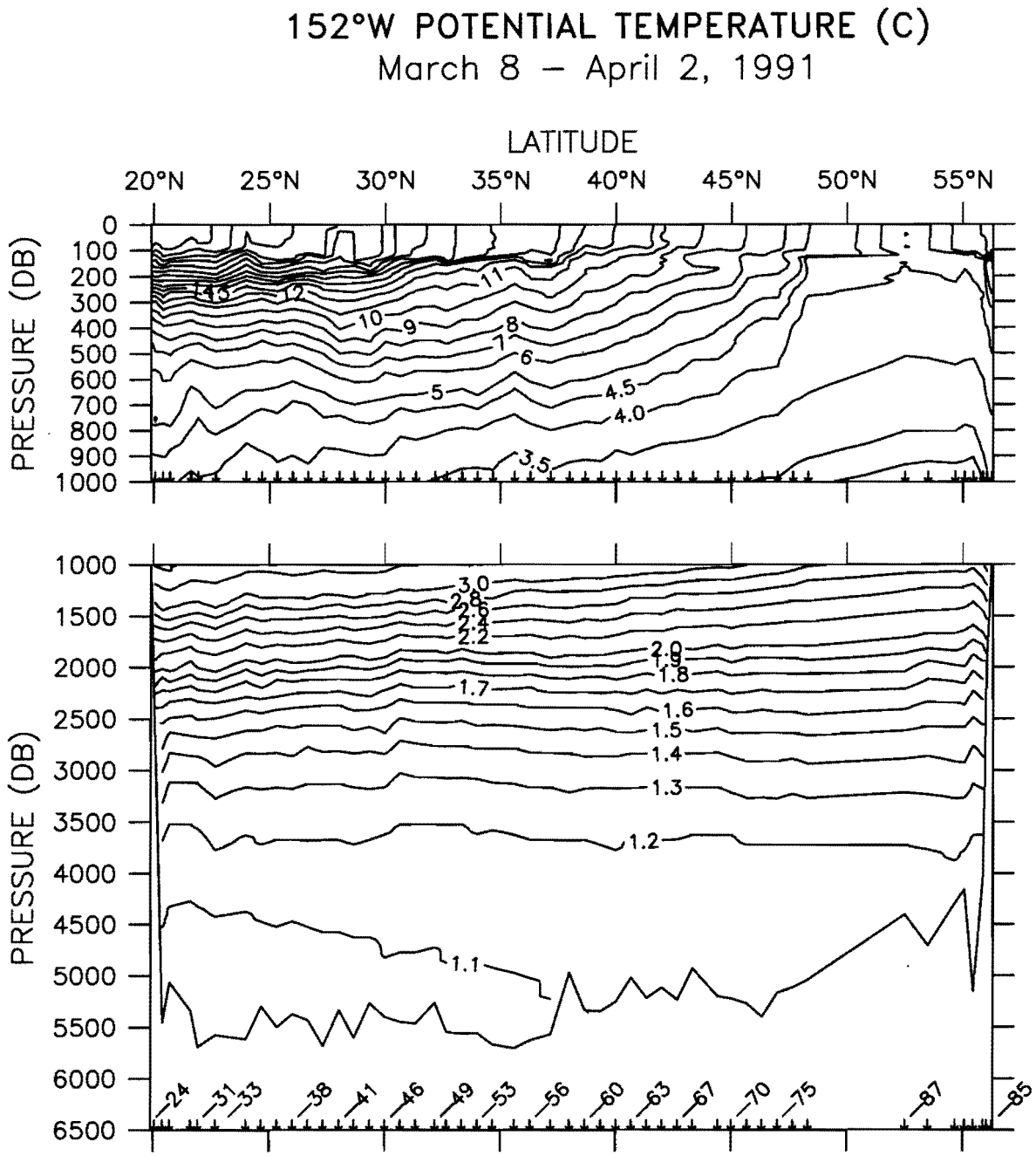


Fig. 6. Potential temperature (°C) section along 152°W. Contour intervals are 0.2°C from 0–3°C, 0.5°C from 3–5°C, and 1°C from 5–35°C in the upper panel. Contour intervals are 0.1°C from 0–2°C, 0.2°C from 2–3°C, 0.5°C from 3–5°C in the lower panel.

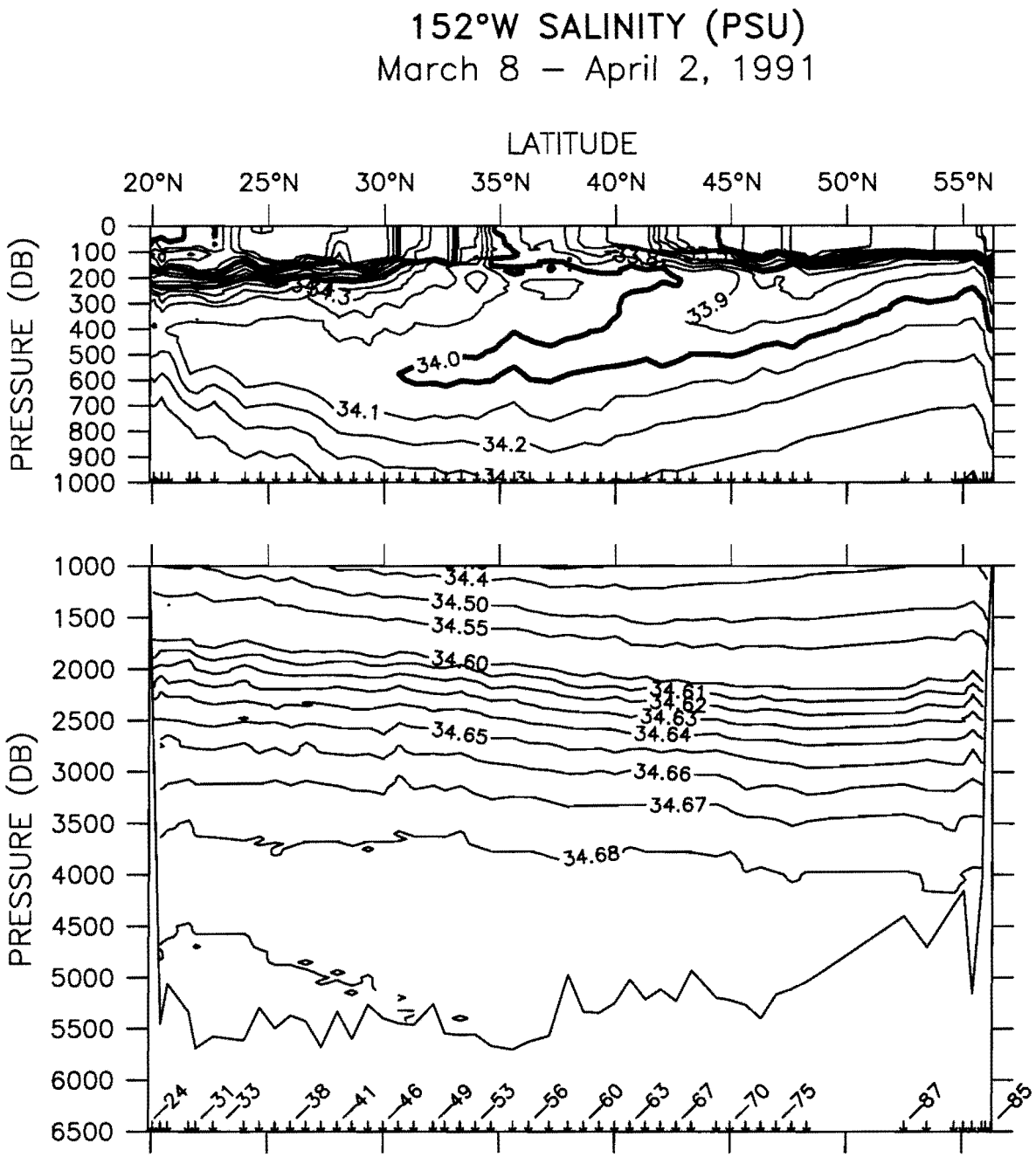


Fig. 7. Salinity (psu) section along 152°W. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.1 psu from 34.6–37.0 psu in the upper panel. Contour intervals are 0.1 psu from 34.0–34.5 psu, 0.05 psu from 34.5–34.6 psu, and 0.01 psu from 34.6–34.8 psu in the lower panel.

TABLE 2. Weather condition code used to describe each set of CTD measurements.

Code	Weather Condition
0	Clear (no cloud)
1	Partly cloudy
2	Continuous layer(s) of cloud(s)
3	Sandstorm, dust storm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Shower(s)
9	Thunderstorms

TABLE 3. Sea state code used to describe each set of CTD measurements.

Code	Height (meters)	Description
0	0	Calm-glassy
1	0–0.1	Calm-rippled
2	0.1–0.5	Smooth-wavelet
3	0.5–1.25	Slight
4	1.25–2.5	Moderate
5	2.5–4	Rough
6	4–6	Very rough
7	6–9	High
8	9–14	Very high
9	>14	Phenomenal

TABLE 4. Visibility code used to describe each set of CTD measurements.

Code	Visibility
0	<50 meters
1	50–200 meters
2	200–500 meters
3	500–1,000 meters
4	1–2 km
5	2–4 km
6	4–10 km
7	10–20 km
8	20–50 km
9	50 km or more

TABLE 5. Cloud type.

Code	Cloud Types
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Altocumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
X	Clouds not visible

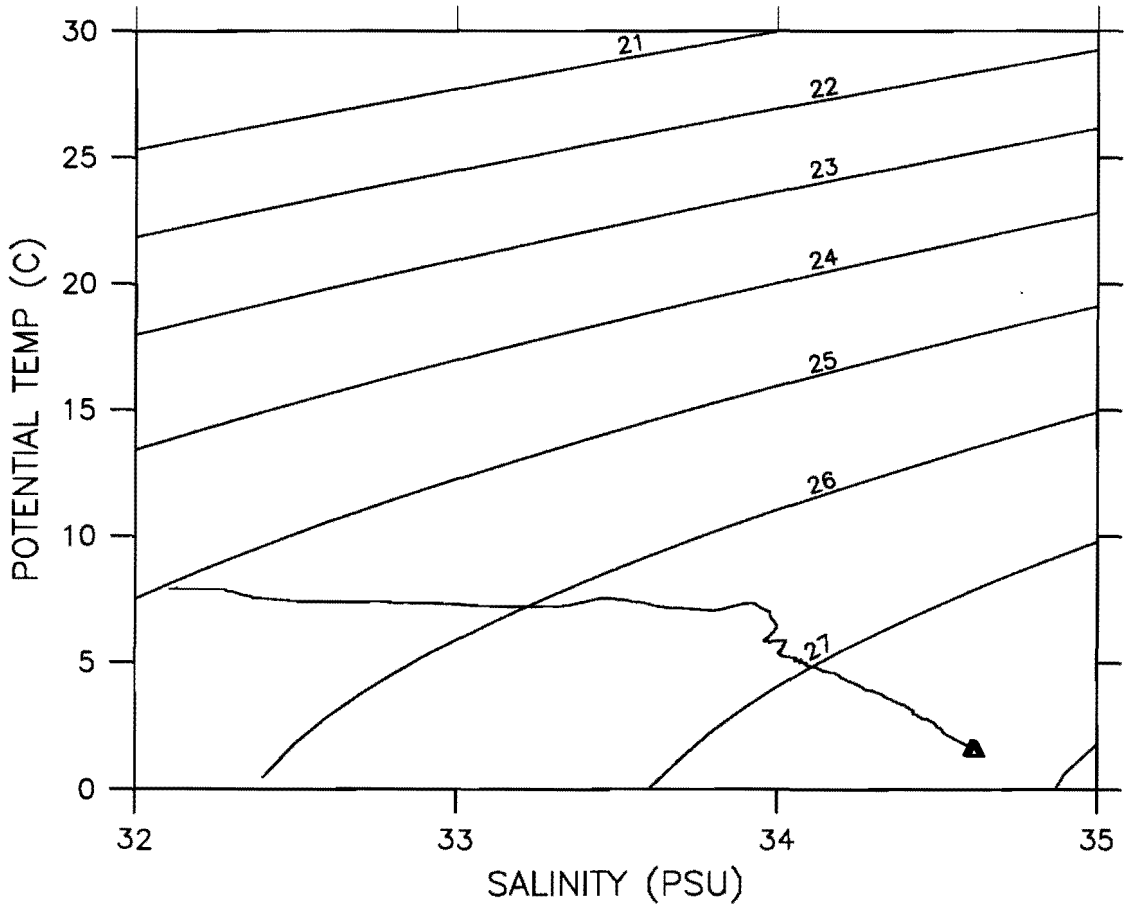
TABLE 6. Cloud amount.

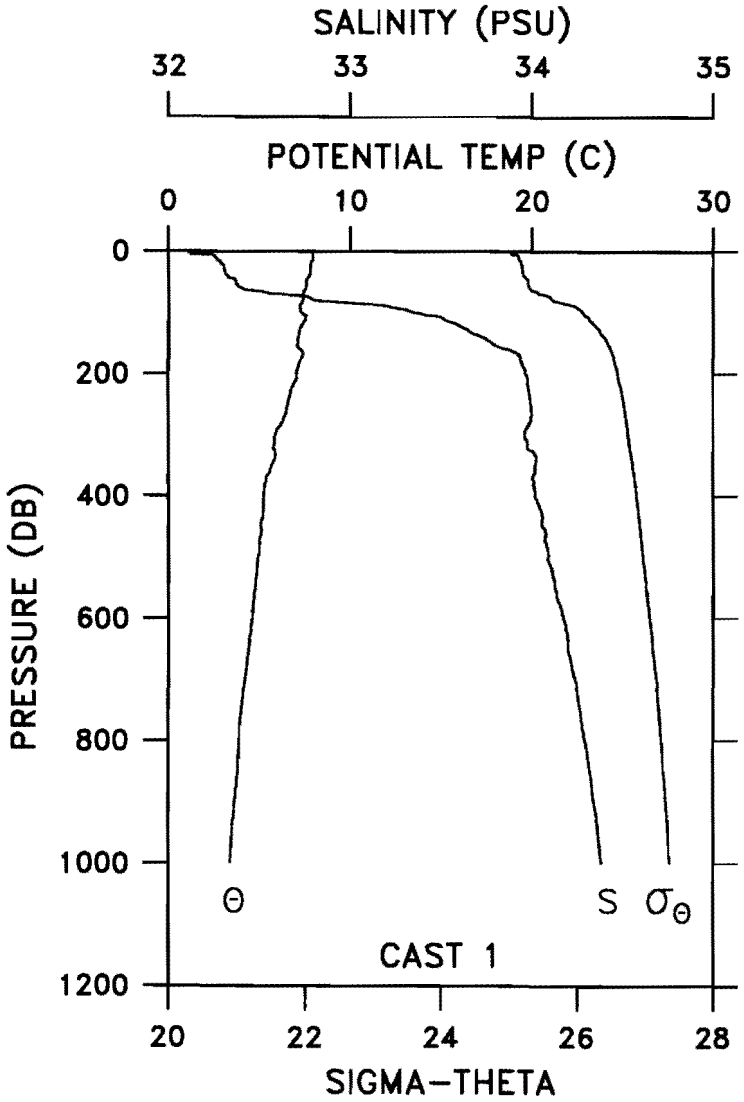
Code	Cloud Amount
0	0
1	1/10 or less but not zero
2	2/10–3/10
3	4/10
4	5/10
5	6/10
6	7/10–8/10
7	9/10
8	10/10
9	Sky obscured or not determined

CTD DATA SUMMARY

CAST CG1-91-DI -001 DATE 16 FEB 91 TIME 0536 GMT

LAT 48 50.0N LONG 127 39.7W



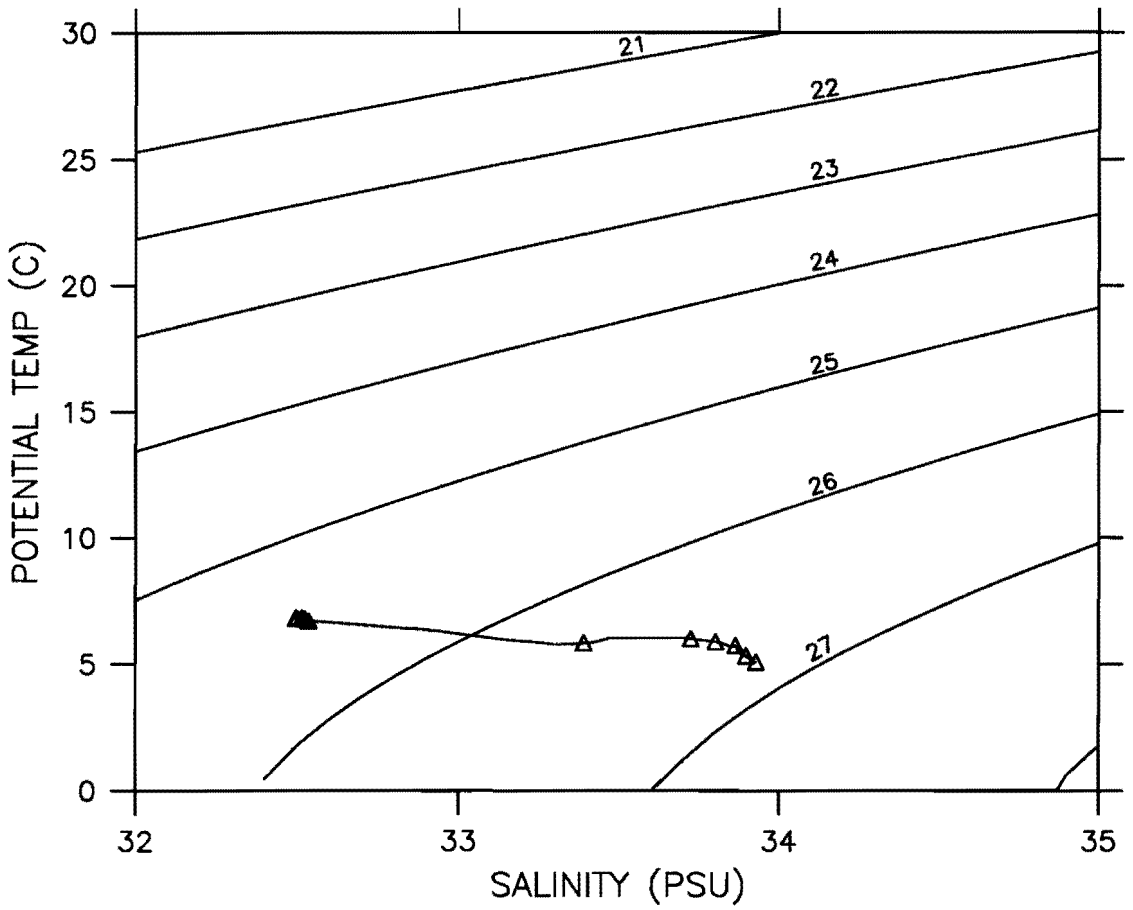


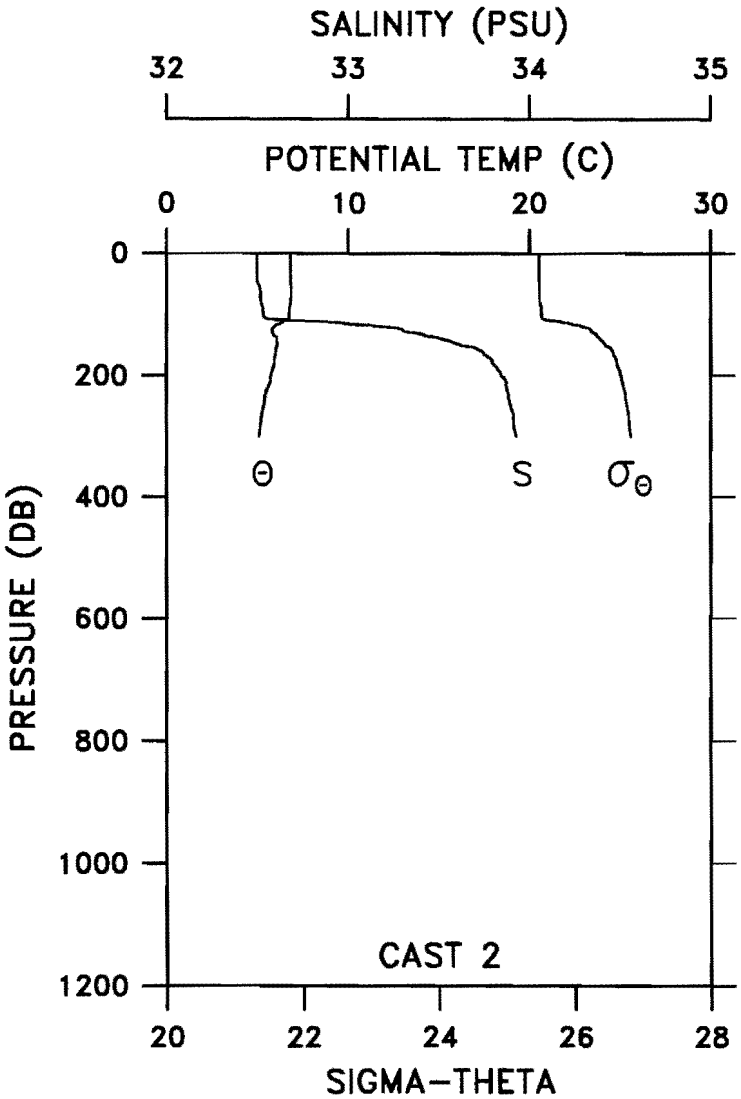
CAST CG1-91-DI -001 DATE 16 FEB 91 TIME 0536 GMT
LAT 48 50.0N LONG 127 39.7W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 240 T SPD 06 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 07.6 WET 06.8 DEPTH 2529 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.924	32.107	25.014	0.000
10	7.921	32.263	25.137	0.029
20	7.816	32.288	25.171	0.057
30	7.795	32.308	25.189	0.085
40	7.717	32.325	25.214	0.112
50	7.554	32.371	25.273	0.139
60	7.532	32.408	25.305	0.166
70	7.389	32.637	25.506	0.192
80	7.365	32.808	25.643	0.216
90	7.210	33.209	25.980	0.238
100	7.265	33.351	26.084	0.258
110	7.502	33.510	26.176	0.277
120	7.350	33.590	26.260	0.295
130	7.188	33.649	26.329	0.312
140	7.129	33.725	26.397	0.329
150	7.084	33.779	26.445	0.345
160	7.237	33.862	26.490	0.361
170	7.337	33.929	26.529	0.376
180	7.230	33.942	26.554	0.391
190	7.131	33.956	26.579	0.406
200	7.039	33.965	26.598	0.421
250	6.556	33.994	26.686	0.492
300	5.878	33.960	26.746	0.560
350	5.656	34.017	26.819	0.625
400	5.251	34.018	26.868	0.687
450	5.085	34.058	26.919	0.746
500	4.931	34.090	26.962	0.804
550	4.778	34.129	27.010	0.860
600	4.609	34.175	27.065	0.914
650	4.421	34.200	27.105	0.965
700	4.206	34.239	27.159	1.015
750	4.021	34.269	27.203	1.062
800	3.897	34.294	27.235	1.108
900	3.636	34.343	27.300	1.195
1000	3.403	34.383	27.355	1.276
1500	2.388	34.514	27.551	1.628
2000	1.791	34.589	27.659	1.910
2379	1.608	34.623	27.700	2.098

CAST CG1-91-DI -002 DATE 17 FEB 91 TIME 0836 GMT

LAT 50 00.2N LONG 135 00.0W



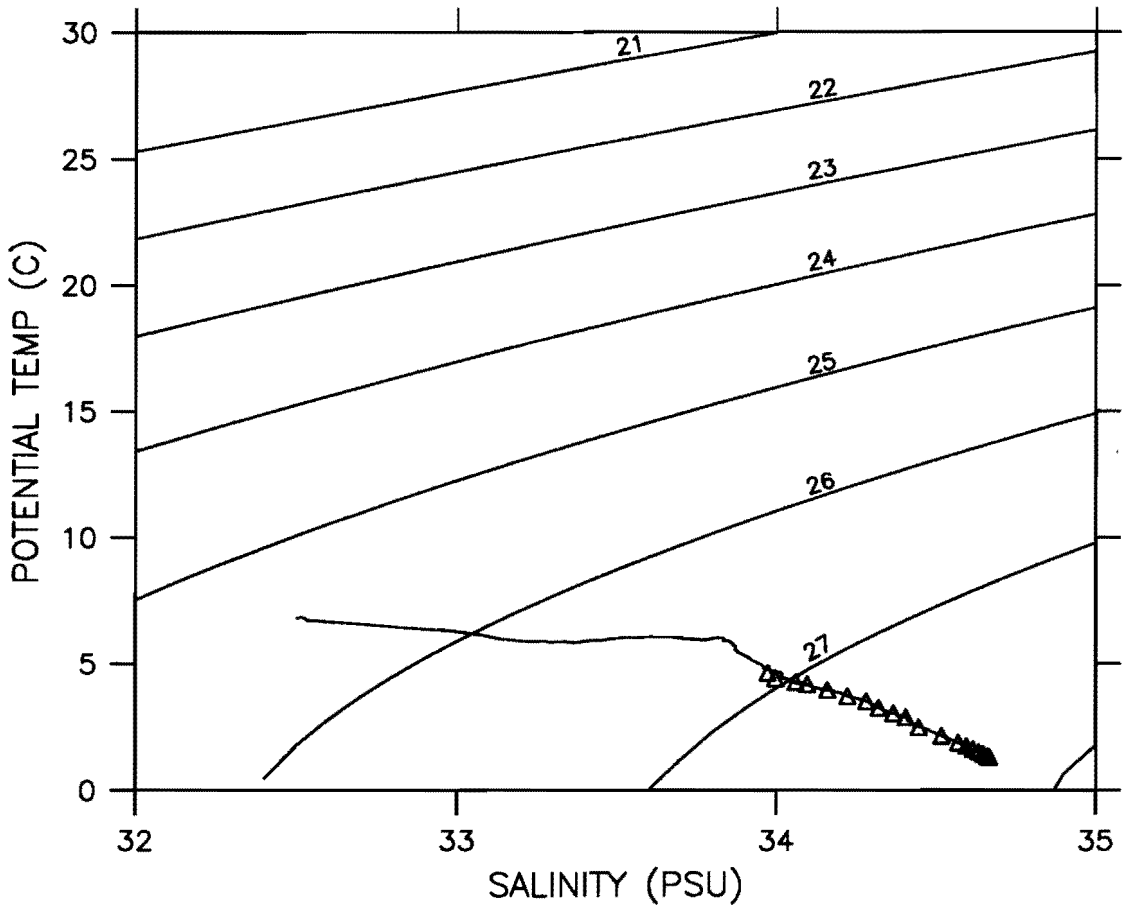


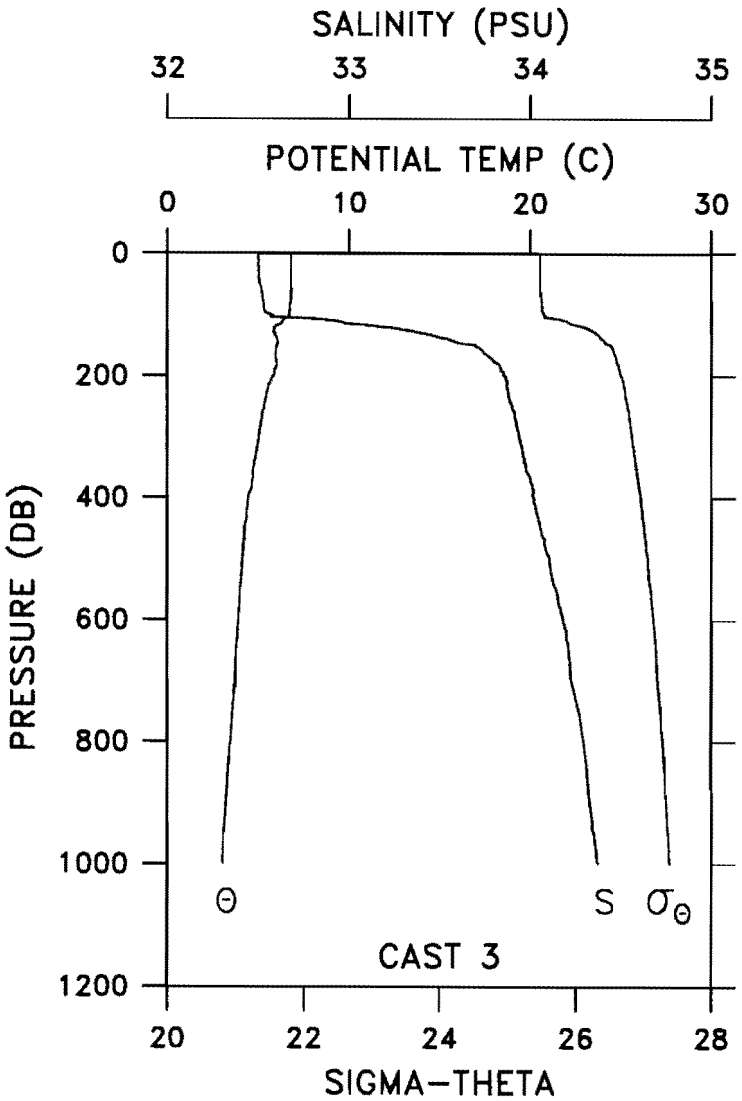
CAST CG1-91-DI -002 DATE 17 FEB 91 TIME 0836 GMT
LAT 50 00.2N LONG 135 00.0W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 165 T SPD 05 KT VISIBILITY 8
CLOUD 0 AMOUNT 9 DRY 06.4 WET 04.8 DEPTH 3480 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	6.819	32.497	25.471	0.000
10	6.822	32.496	25.470	0.025
20	6.817	32.496	25.471	0.050
30	6.820	32.496	25.470	0.075
40	6.810	32.497	25.473	0.100
50	6.825	32.503	25.476	0.125
60	6.842	32.514	25.482	0.150
70	6.836	32.515	25.484	0.175
80	6.810	32.520	25.491	0.200
90	6.751	32.528	25.505	0.225
100	6.725	32.532	25.512	0.250
110	6.522	32.737	25.699	0.274
120	5.890	33.210	26.152	0.295
130	5.819	33.376	26.292	0.313
140	6.048	33.518	26.376	0.330
150	6.074	33.616	26.450	0.346
160	5.989	33.735	26.554	0.361
170	5.928	33.775	26.594	0.376
180	5.896	33.798	26.616	0.390
190	5.823	33.824	26.646	0.404
200	5.723	33.842	26.672	0.418
250	5.312	33.896	26.764	0.485
300	5.065	33.924	26.815	0.549
300	5.065	33.924	26.815	0.549

CAST CG1-91-DI -003 DATE 17 FEB 91 TIME 1219 GMT

LAT 50 00.2N LONG 134 59.8W



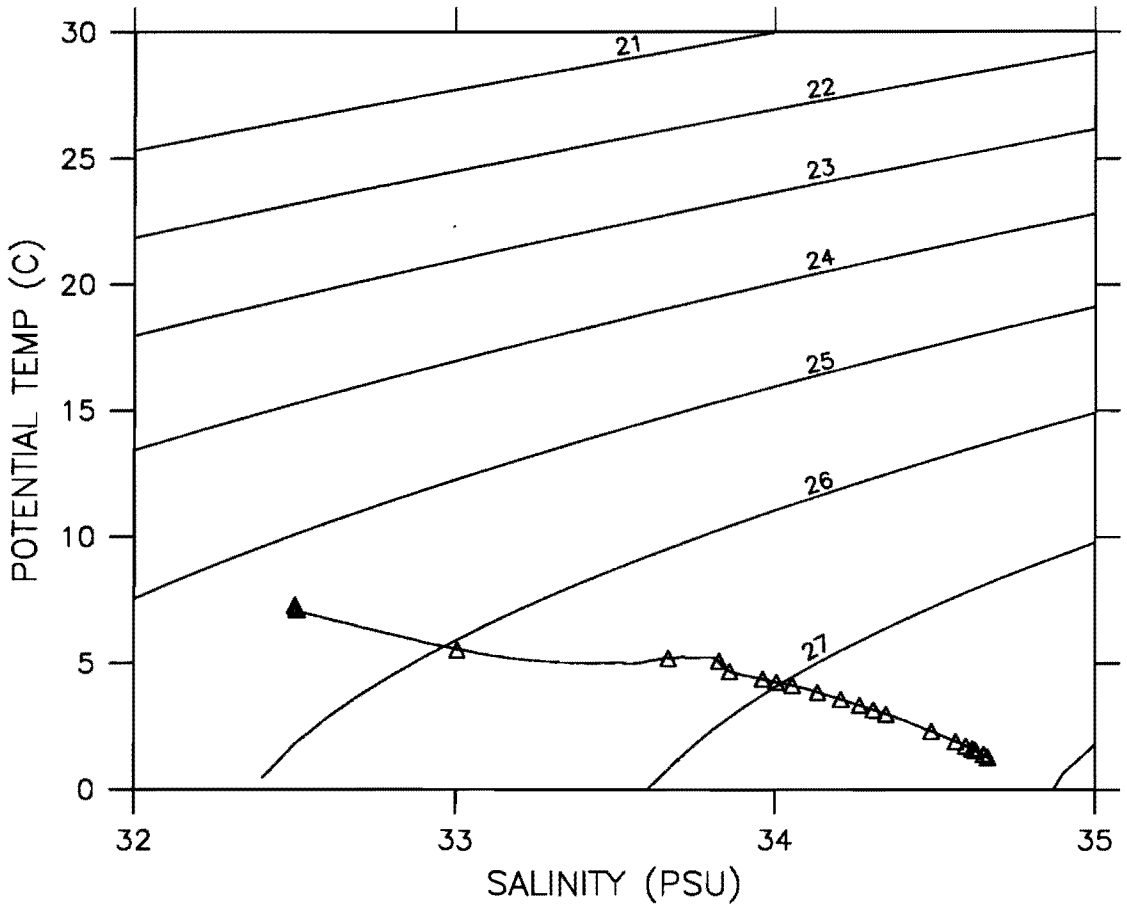


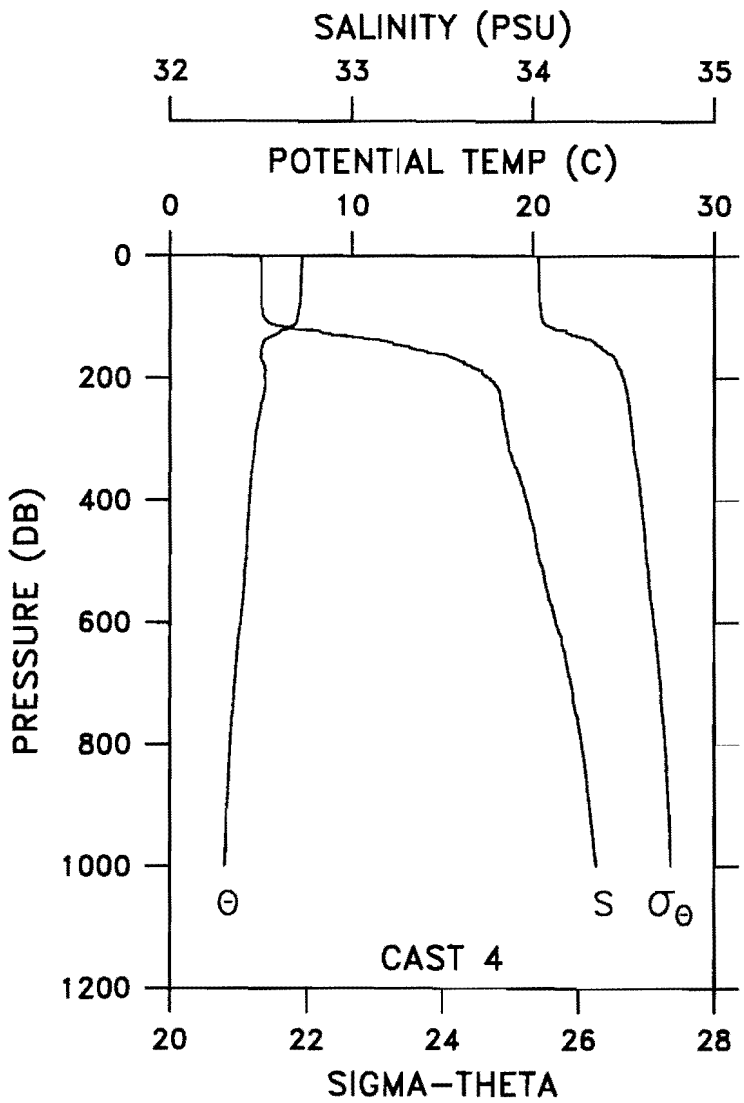
CAST CG1-91-DI -003 DATE 17 FEB 91 TIME 1219 GMT
LAT 50 00.2N LONG 134 59.8W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 172 T SPD 13 KT VISIBILITY 8
CLOUD 0 AMOUNT 9 DRY 06.7 WET 05.1 DEPTH 3480 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	6.823	32.501	25.474	0.000
10	6.814	32.501	25.475	0.025
20	6.814	32.501	25.475	0.050
30	6.815	32.502	25.476	0.075
40	6.817	32.502	25.476	0.100
50	6.829	32.510	25.480	0.125
60	6.836	32.518	25.486	0.150
70	6.810	32.522	25.492	0.175
80	6.768	32.527	25.502	0.200
90	6.730	32.532	25.511	0.224
100	6.700	32.564	25.540	0.249
110	6.343	32.927	25.872	0.272
120	5.935	33.173	26.118	0.293
130	5.887	33.400	26.303	0.311
140	6.045	33.554	26.405	0.327
150	6.006	33.700	26.525	0.343
160	5.975	33.741	26.561	0.358
170	5.951	33.780	26.595	0.373
180	6.017	33.827	26.624	0.388
190	5.878	33.834	26.647	0.402
200	5.847	33.858	26.669	0.416
250	5.322	33.899	26.765	0.483
300	5.037	33.939	26.830	0.546
350	4.750	33.976	26.891	0.607
400	4.450	34.018	26.958	0.665
450	4.254	34.056	27.009	0.720
500	4.130	34.107	27.063	0.773
550	3.991	34.143	27.106	0.824
600	3.912	34.182	27.145	0.873
650	3.785	34.213	27.182	0.921
700	3.711	34.228	27.202	0.967
750	3.579	34.268	27.246	1.012
800	3.468	34.294	27.278	1.055
900	3.211	34.328	27.329	1.138
1000	3.048	34.374	27.381	1.216
1500	2.248	34.499	27.550	1.554
2000	1.791	34.585	27.655	1.833
2500	1.501	34.634	27.716	2.079
3000	1.368	34.653	27.741	2.311
3500	1.292	34.666	27.757	2.540
3505	1.291	34.665	27.756	2.542

CAST CG1-91-DI -004 DATE 17 FEB 91 TIME 2322 GMT

LAT 48 59.7N LONG 134 59.5W



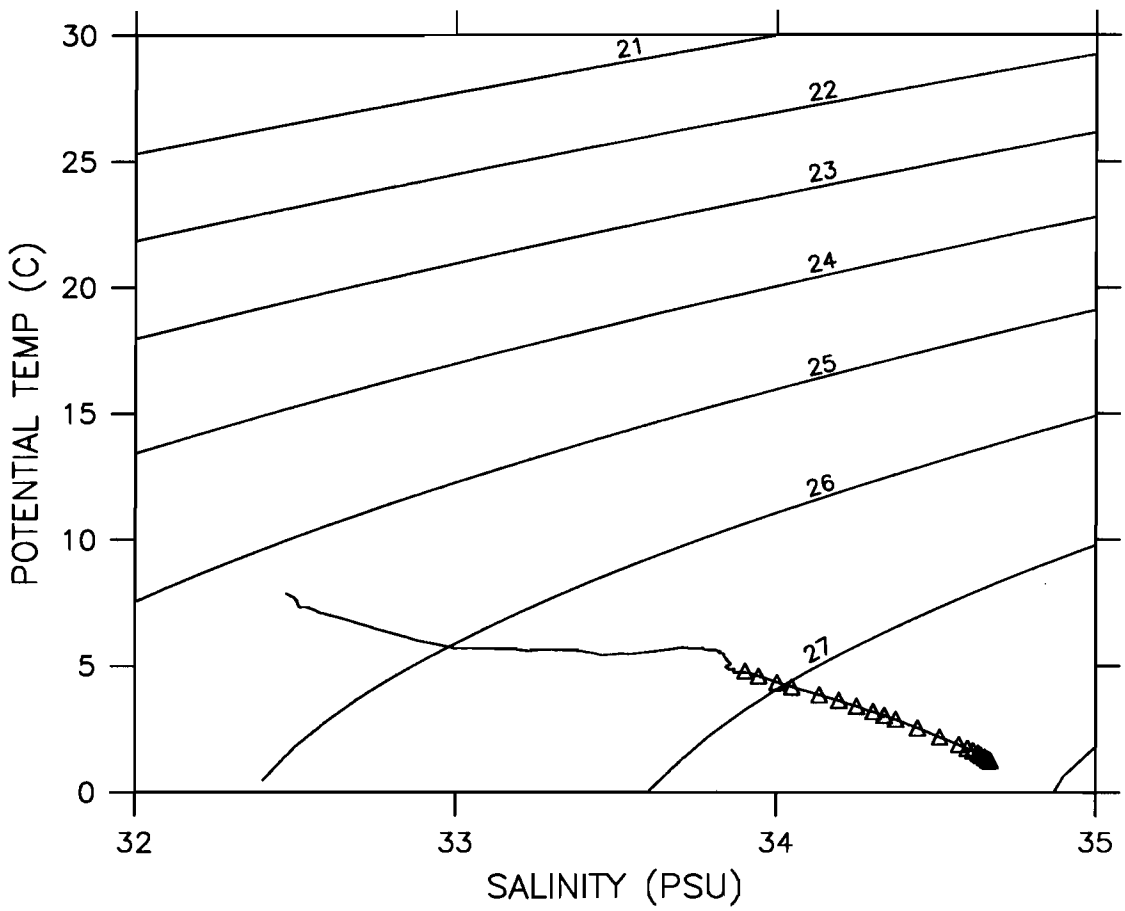


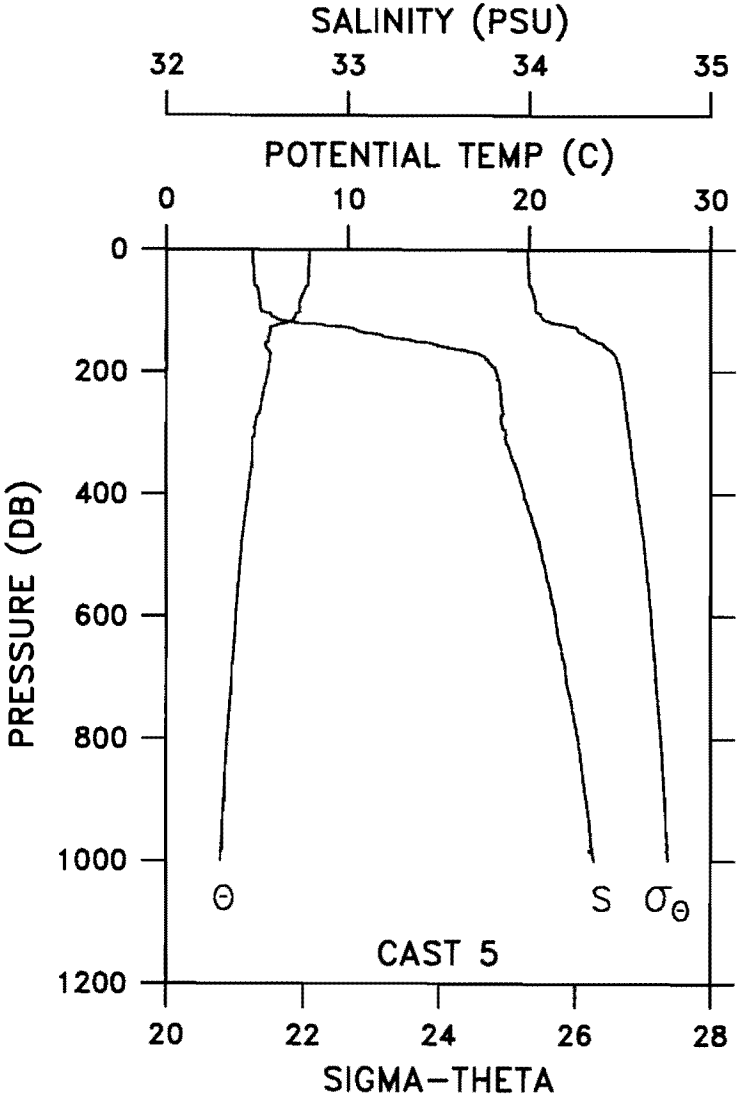
CAST CG1-91-DI -004 DATE 17 FEB 91 TIME 2322 GMT
LAT 48 59.7N LONG 134 59.5W WEATHER 5 SEA STATE 3
BAROMETER 13 WIND DIR 180 T SPD 14 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 08.8 WET 08.5 DEPTH 3921 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.293	32.497	25.408	0.000
10	7.256	32.503	25.418	0.026
20	7.244	32.503	25.420	0.051
30	7.223	32.503	25.423	0.077
40	7.213	32.504	25.424	0.102
50	7.197	32.503	25.426	0.128
60	7.182	32.504	25.429	0.153
70	7.174	32.504	25.430	0.179
80	7.140	32.505	25.435	0.204
90	7.067	32.509	25.449	0.229
100	7.015	32.515	25.460	0.255
110	6.927	32.543	25.493	0.280
120	6.474	32.687	25.667	0.304
130	5.844	32.891	25.905	0.326
140	5.163	33.193	26.224	0.345
150	5.047	33.322	26.340	0.362
160	5.014	33.464	26.456	0.379
170	5.023	33.579	26.546	0.394
180	5.228	33.661	26.587	0.409
190	5.234	33.719	26.633	0.423
200	5.216	33.760	26.667	0.437
250	4.984	33.830	26.750	0.505
300	4.687	33.859	26.806	0.569
350	4.507	33.911	26.867	0.631
400	4.369	33.962	26.922	0.690
450	4.246	34.006	26.970	0.747
500	4.168	34.036	27.002	0.803
550	4.041	34.081	27.051	0.856
600	3.879	34.125	27.103	0.908
650	3.691	34.175	27.161	0.956
700	3.547	34.210	27.203	1.003
750	3.433	34.238	27.237	1.048
800	3.308	34.269	27.273	1.091
900	3.138	34.311	27.322	1.174
1000	2.991	34.347	27.365	1.253
1500	2.300	34.490	27.539	1.598
2000	1.783	34.587	27.657	1.880
2500	1.546	34.627	27.707	2.125
3000	1.375	34.652	27.740	2.361
3498	1.275	34.666	27.758	2.589

CAST CG1-91-DI -005 DATE 18 FEB 91 TIME 0922 GMT

LAT 47 59.5N LONG 134 58.7W



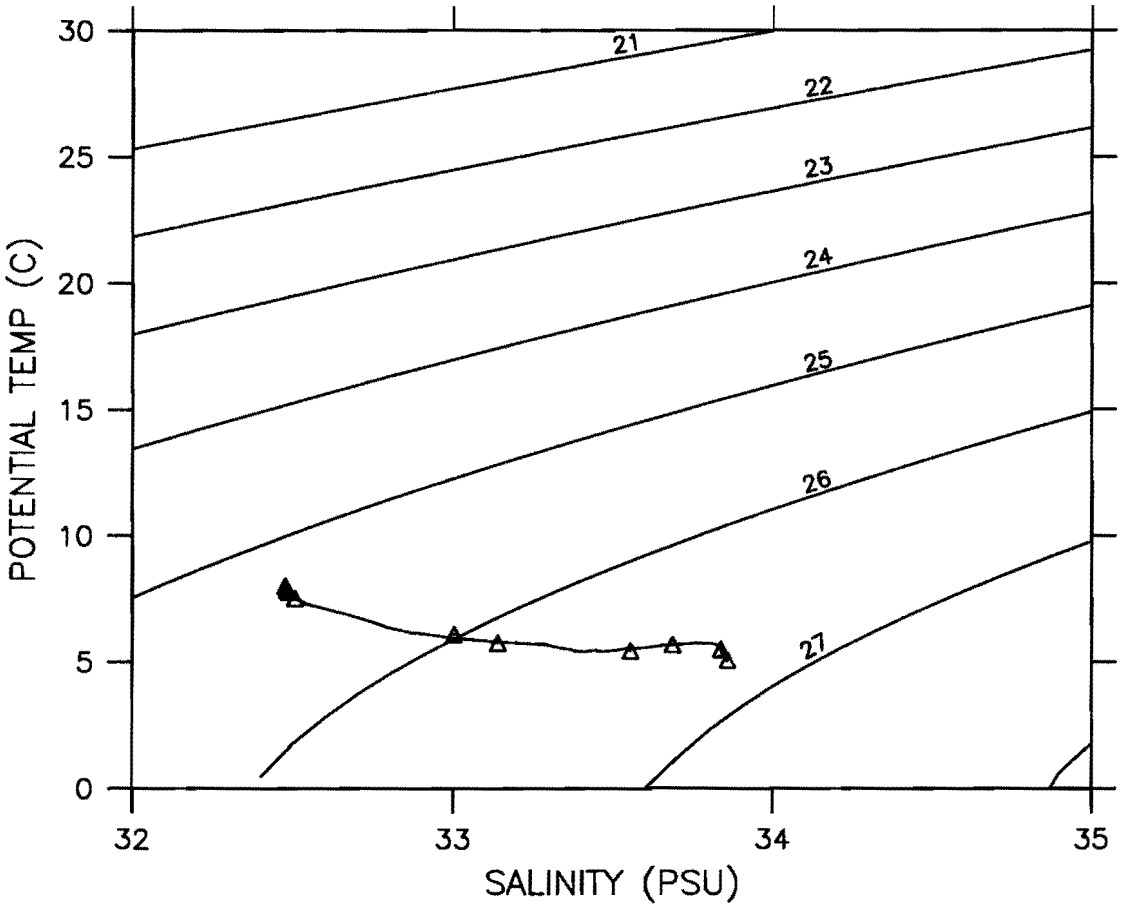


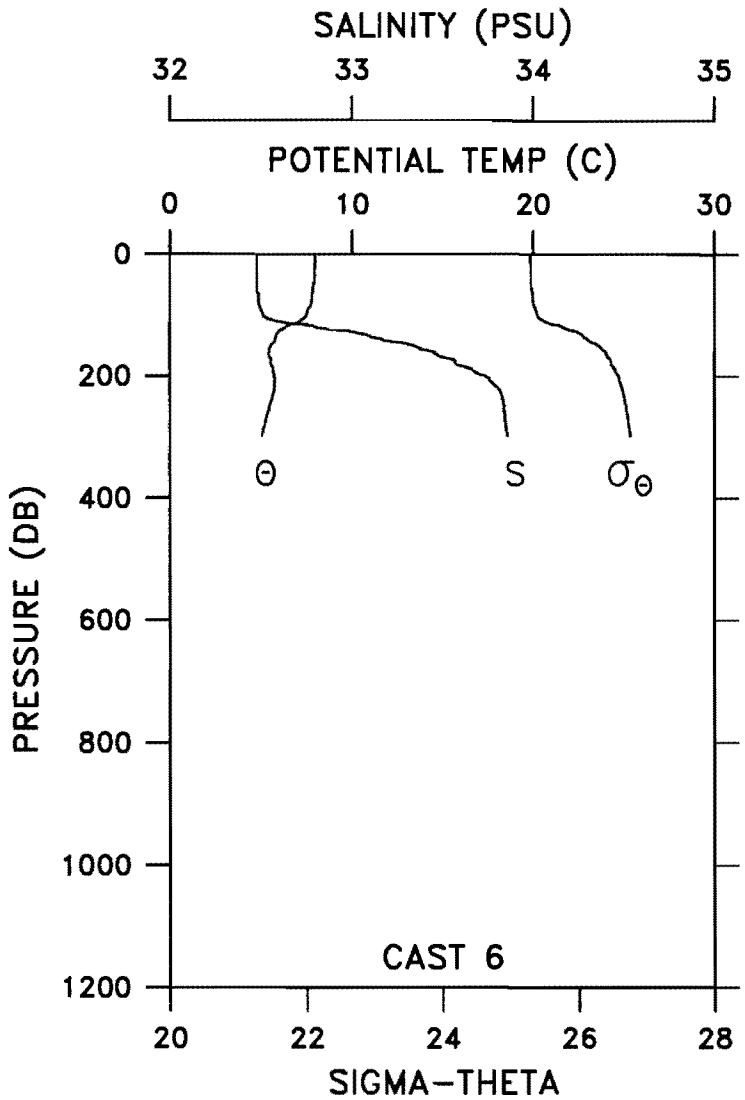
CAST CG1-91-DI -005 DATE 18 FEB 91 TIME 0922 GMT
LAT 47 59.5N LONG 134 58.7W WEATHER 0 SEA STATE 3
BAROMETER 15 WIND DIR 212 T SPD 17 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 10.0 WET 09.5 DEPTH 3742 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.846	32.473	25.312	0.000
10	7.849	32.473	25.311	0.027
20	7.846	32.472	25.312	0.053
30	7.809	32.479	25.322	0.080
40	7.805	32.479	25.323	0.106
50	7.788	32.482	25.327	0.132
60	7.700	32.496	25.351	0.159
70	7.550	32.507	25.380	0.185
80	7.380	32.510	25.406	0.211
90	7.304	32.512	25.419	0.236
100	7.309	32.520	25.424	0.262
110	7.049	32.591	25.515	0.287
120	6.510	32.741	25.704	0.311
130	5.700	33.032	26.034	0.332
140	5.667	33.186	26.160	0.352
150	5.620	33.369	26.310	0.370
160	5.462	33.548	26.471	0.386
170	5.715	33.716	26.573	0.401
180	5.698	33.768	26.617	0.416
190	5.628	33.796	26.647	0.430
200	5.590	33.817	26.668	0.444
250	5.213	33.846	26.736	0.512
300	4.860	33.869	26.794	0.577
350	4.705	33.918	26.850	0.639
400	4.481	33.970	26.916	0.699
450	4.265	34.021	26.980	0.756
500	4.084	34.068	27.036	0.810
550	3.939	34.108	27.083	0.862
600	3.809	34.143	27.124	0.912
650	3.702	34.172	27.158	0.961
700	3.588	34.203	27.193	1.008
750	3.458	34.235	27.231	1.053
800	3.318	34.269	27.272	1.097
900	3.138	34.312	27.323	1.180
1000	2.956	34.355	27.374	1.259
1500	2.274	34.496	27.546	1.601
2000	1.792	34.587	27.657	1.881
2500	1.559	34.627	27.707	2.130
3000	1.396	34.649	27.736	2.367
3500	1.278	34.664	27.757	2.598
3773	1.248	34.670	27.763	2.723

CAST CG1-91-DI -006 DATE 18 FEB 91 TIME 1354 GMT

LAT 47 59.5N LONG 134 59.4W



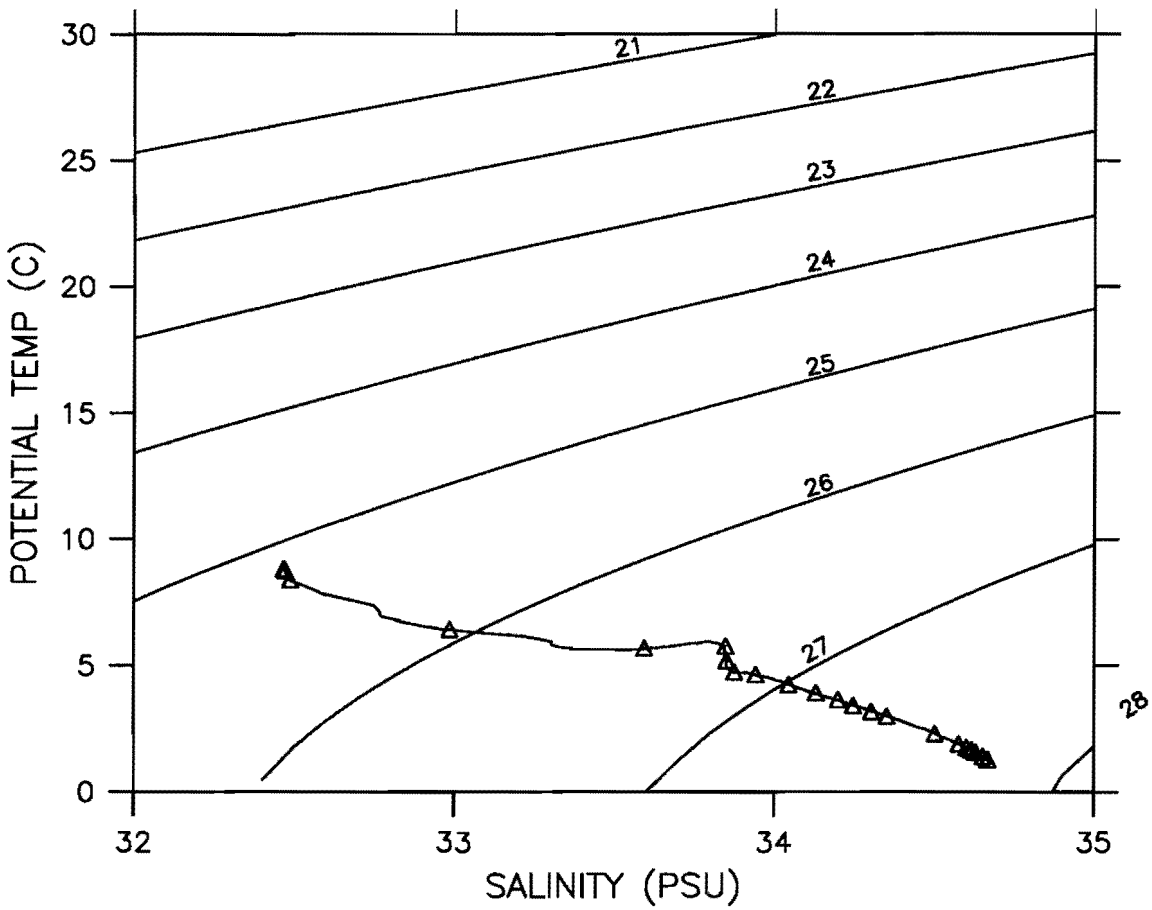


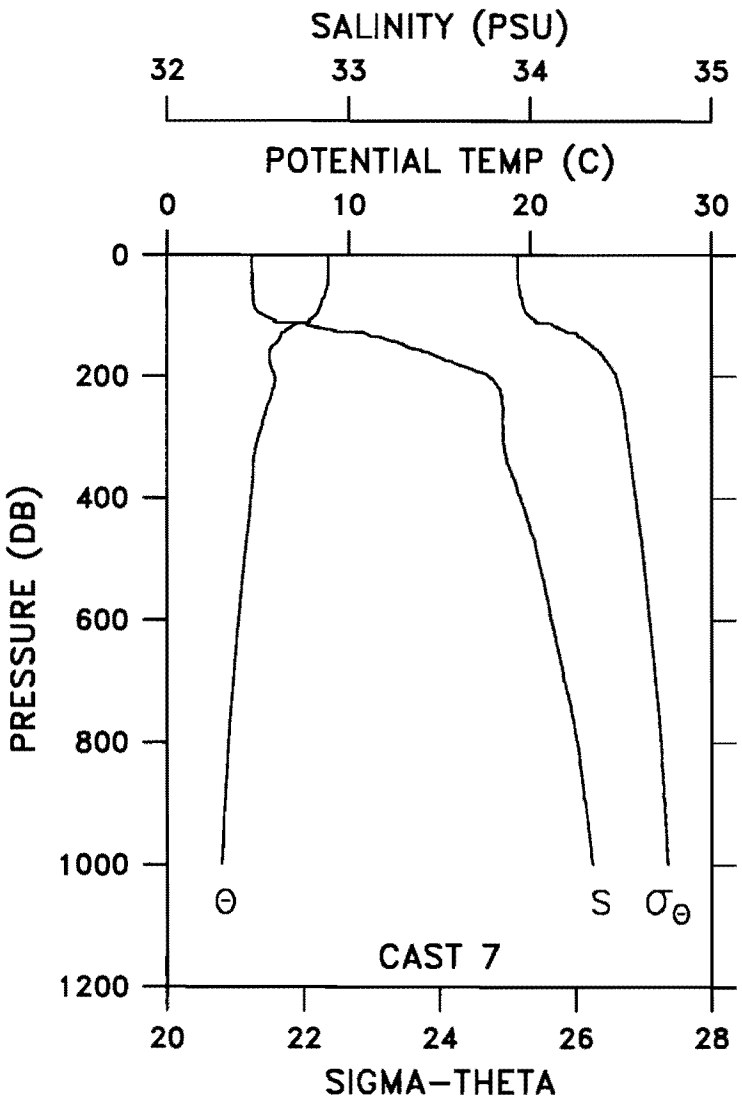
CAST CG1-91-DI -006 DATE 18 FEB 91 TIME 1354 GMT
LAT 47 59.5N LONG 134 59.4W WEATHER 5 SEA STATE 4
BAROMETER 10 WIND DIR 200 T SPD 26 KT VISIBILITY 6
CLOUD 0 AMOUNT 9 DRY 10.5 WET 09.8 DEPTH 3652 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.968	32.476	25.297	0.000
10	7.964	32.477	25.298	0.027
20	7.943	32.475	25.300	0.053
30	7.938	32.475	25.301	0.080
40	7.921	32.476	25.303	0.107
50	7.867	32.476	25.311	0.133
60	7.846	32.477	25.315	0.160
70	7.784	32.483	25.329	0.186
80	7.757	32.487	25.335	0.213
90	7.571	32.498	25.371	0.239
100	7.476	32.510	25.394	0.265
110	7.116	32.593	25.508	0.291
120	6.315	32.809	25.783	0.314
130	5.870	33.066	26.041	0.335
140	5.773	33.167	26.132	0.354
150	5.542	33.342	26.298	0.372
160	5.431	33.457	26.402	0.389
170	5.493	33.525	26.449	0.405
180	5.540	33.574	26.482	0.421
190	5.663	33.668	26.542	0.436
200	5.720	33.740	26.591	0.451
250	5.451	33.839	26.703	0.521
298	5.042	33.856	26.764	0.586

CAST CG1-91-DI -007 DATE 19 FEB 91 TIME 0009 GMT

LAT 46 59.2N LONG 134 59.8W



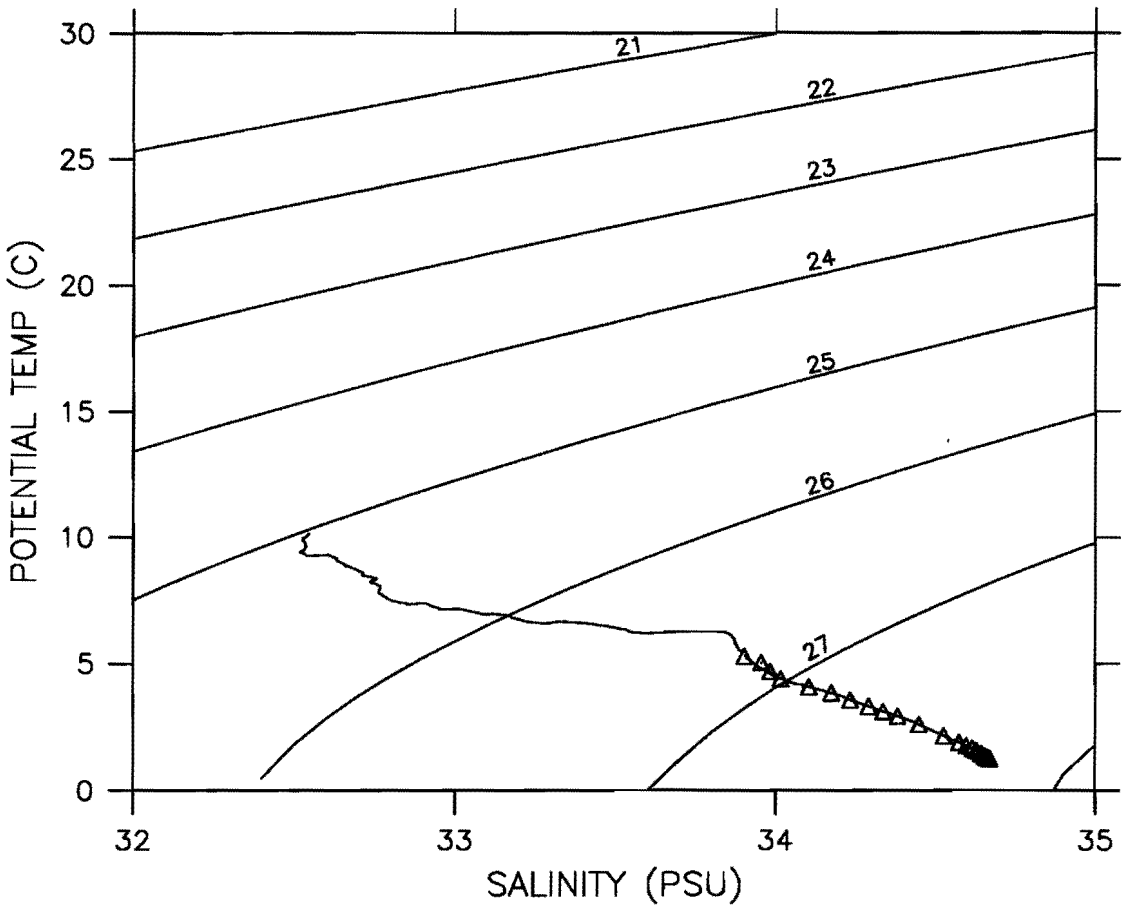


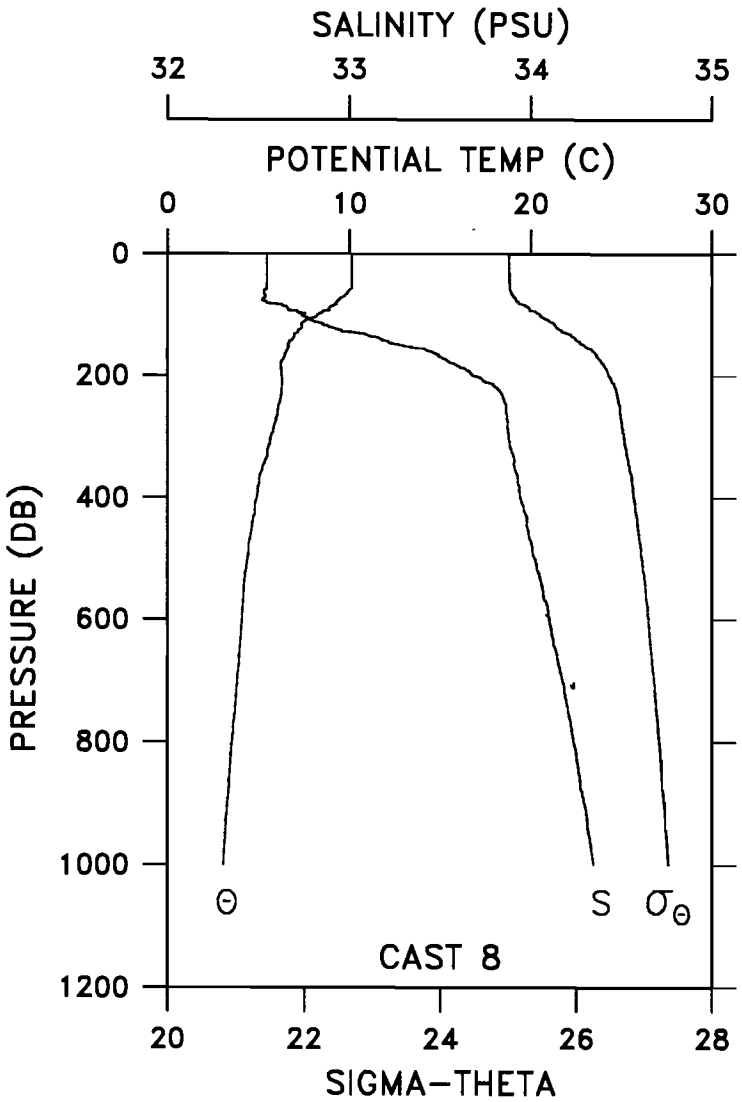
CAST CG1-91-DI -007 DATE 19 FEB 91 TIME 0009 GMT
LAT 46 59.2N LONG 134 59.8W WEATHER 1 SEA STATE 5
BAROMETER 09 WIND DIR 225 T SPD 30 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 10.9 WET 10.0 DEPTH 4092 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	8.890	32.467	25.152	0.000
10	8.889	32.466	25.152	0.028
20	8.886	32.466	25.152	0.056
30	8.863	32.467	25.156	0.084
40	8.859	32.466	25.157	0.112
50	8.823	32.469	25.164	0.140
60	8.721	32.475	25.185	0.168
70	8.611	32.475	25.201	0.196
80	8.475	32.474	25.221	0.224
90	8.332	32.489	25.254	0.251
100	8.122	32.533	25.319	0.278
110	7.849	32.585	25.400	0.304
120	6.745	32.824	25.739	0.328
130	6.268	33.099	26.017	0.349
140	6.140	33.217	26.127	0.368
150	5.770	33.317	26.251	0.387
160	5.637	33.442	26.366	0.404
170	5.625	33.509	26.420	0.420
180	5.665	33.604	26.491	0.436
190	5.783	33.698	26.551	0.452
200	5.897	33.773	26.596	0.466
250	5.487	33.850	26.707	0.536
300	5.017	33.850	26.762	0.603
350	4.721	33.885	26.823	0.667
400	4.595	33.946	26.885	0.728
450	4.444	33.998	26.943	0.787
500	4.245	34.042	26.999	0.843
550	4.087	34.082	27.047	0.897
600	3.926	34.117	27.091	0.949
650	3.780	34.154	27.135	0.999
700	3.636	34.191	27.179	1.046
750	3.497	34.227	27.221	1.092
800	3.374	34.259	27.259	1.136
900	3.184	34.305	27.313	1.221
1000	3.011	34.346	27.362	1.301
1500	2.301	34.502	27.549	1.644
2000	1.814	34.588	27.656	1.925
2500	1.557	34.630	27.709	2.174
3000	1.386	34.652	27.739	2.409
3500	1.266	34.667	27.760	2.639
3502	1.266	34.667	27.760	2.640

CAST CG1-91-DI -008 DATE 20 FEB 91 TIME 0234 GMT

LAT 46 00.2N LONG 135 01.1W



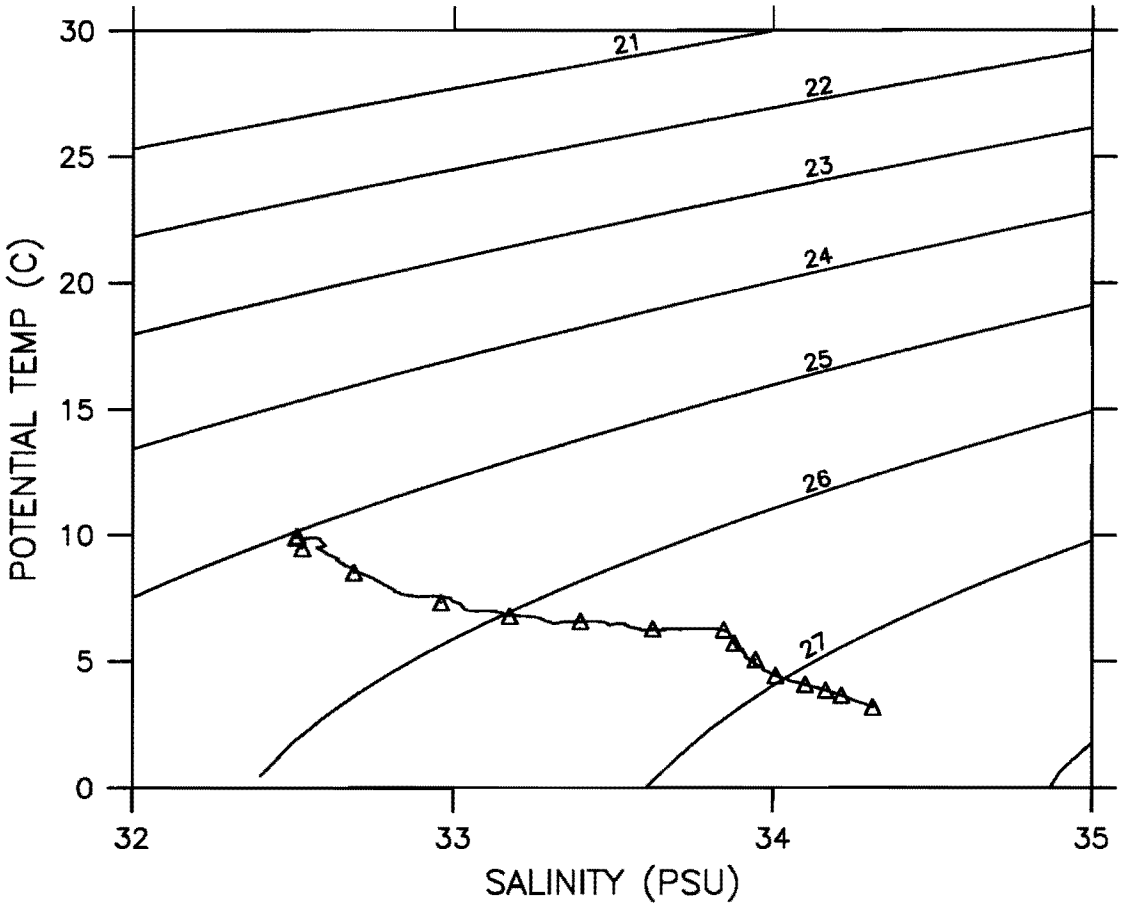


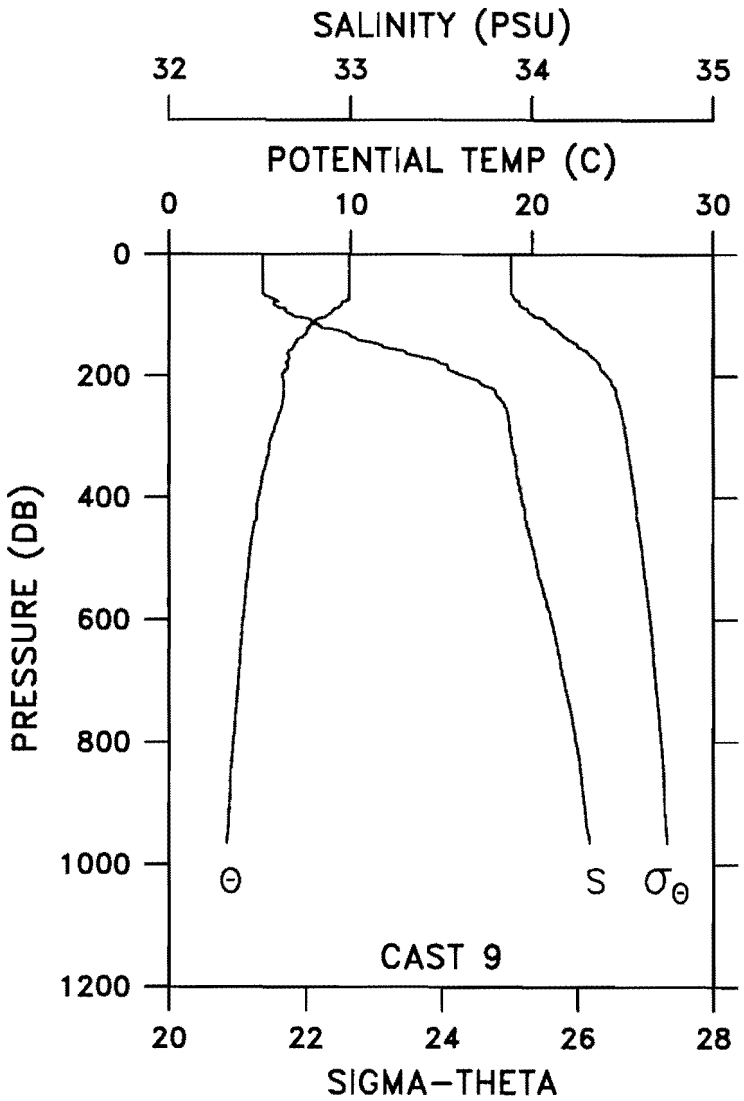
CAST CG1-91-DI -008 DATE 20 FEB 91 TIME 0234 GMT
LAT 46 00.2N LONG 135 01.1W WEATHER 2 SEA STATE 5
BAROMETER 21 WIND DIR 275 T SPD 22 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 09.3 WET 07.3 DEPTH 3949 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	10.134	32.547	25.015	0.000
10	10.133	32.546	25.015	0.029
20	10.133	32.546	25.014	0.059
30	10.127	32.547	25.016	0.088
40	10.114	32.546	25.017	0.117
50	10.092	32.543	25.019	0.147
60	9.955	32.527	25.029	0.176
70	9.635	32.538	25.090	0.205
80	9.266	32.544	25.154	0.234
90	8.858	32.662	25.310	0.261
100	8.231	32.739	25.465	0.287
110	7.518	32.801	25.616	0.311
120	7.392	32.899	25.711	0.335
130	7.055	33.058	25.882	0.357
140	6.861	33.176	26.001	0.377
150	6.603	33.294	26.128	0.397
160	6.516	33.458	26.269	0.415
170	6.408	33.508	26.322	0.433
180	6.227	33.579	26.401	0.450
190	6.242	33.644	26.451	0.466
200	6.275	33.687	26.481	0.482
250	6.087	33.865	26.645	0.555
300	5.672	33.878	26.707	0.625
350	5.221	33.910	26.785	0.692
400	4.899	33.941	26.848	0.755
450	4.624	33.982	26.910	0.815
500	4.391	34.020	26.966	0.873
550	4.181	34.064	27.023	0.928
600	4.082	34.101	27.062	0.981
650	3.955	34.137	27.105	1.032
700	3.819	34.176	27.149	1.082
750	3.713	34.205	27.183	1.130
800	3.538	34.237	27.225	1.175
900	3.283	34.297	27.297	1.262
1000	3.059	34.348	27.359	1.343
1500	2.280	34.504	27.552	1.688
2000	1.808	34.588	27.656	1.968
2500	1.559	34.630	27.709	2.216
3000	1.381	34.651	27.739	2.451
3500	1.273	34.667	27.760	2.680
3951	1.232	34.674	27.768	2.887

CAST CG1-91-DI -009 DATE 20 FEB 91 TIME 0720 GMT

LAT 46 00.0N LONG 134 59.9W



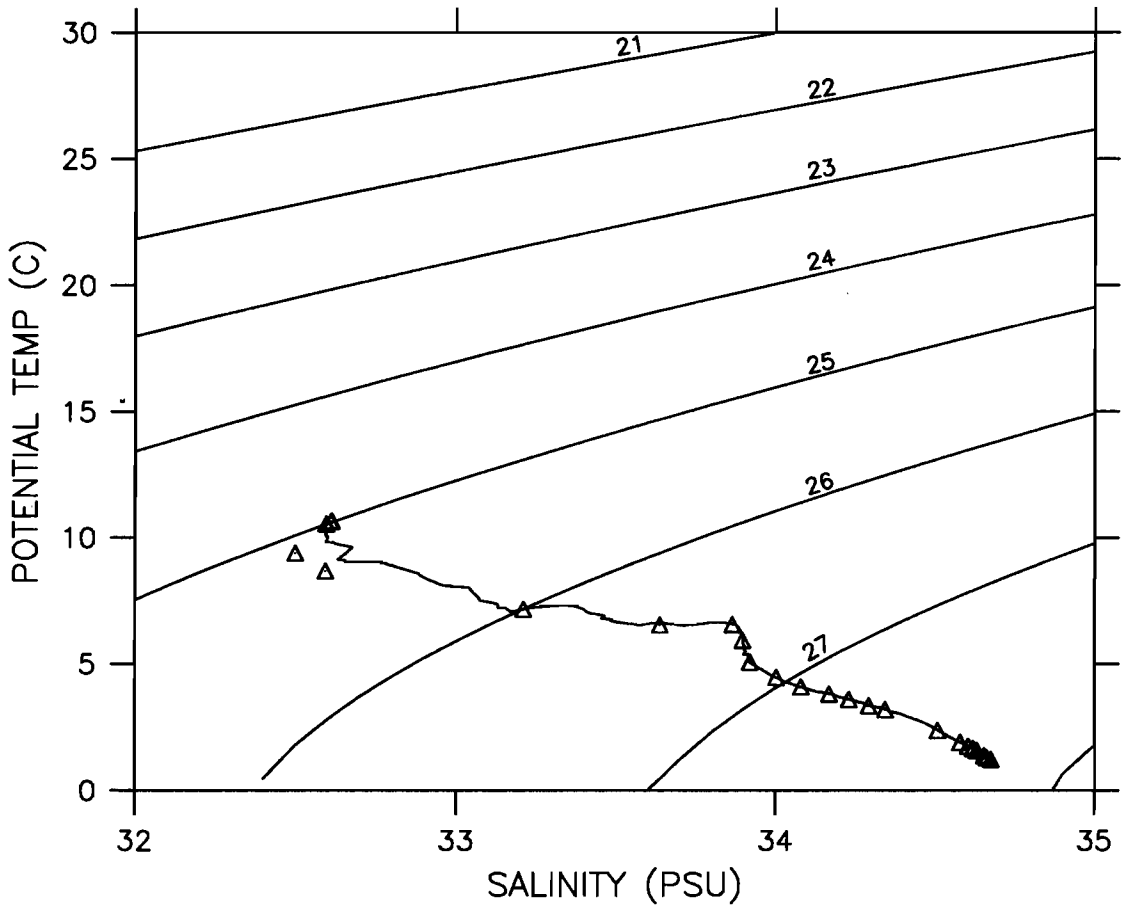


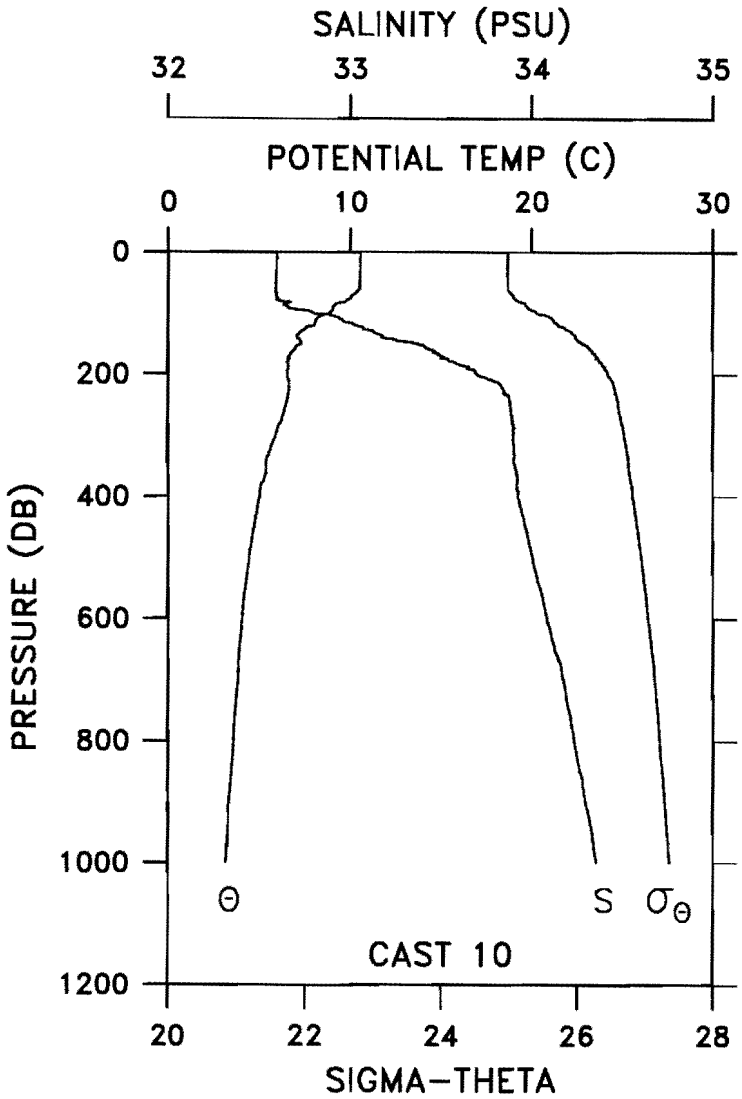
CAST CG1-91-DI -009 DATE 20 FEB 91 TIME 0720 GMT
LAT 46 00.0N LONG 134 59.9W WEATHER 1 SEA STATE 3
BAROMETER 23 WIND DIR 260 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 08.8 WET 06.2 DEPTH 3803 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	9.924	32.516	25.025	0.000
10	9.922	32.514	25.025	0.029
20	9.926	32.513	25.023	0.059
30	9.925	32.514	25.024	0.088
40	9.924	32.514	25.024	0.117
50	9.922	32.516	25.026	0.146
60	9.922	32.516	25.026	0.176
70	9.881	32.550	25.059	0.205
80	9.495	32.573	25.140	0.234
90	9.040	32.640	25.265	0.262
100	8.687	32.681	25.351	0.288
110	8.005	32.792	25.540	0.314
120	7.673	32.834	25.621	0.338
130	7.526	32.987	25.761	0.361
140	7.067	33.034	25.862	0.383
150	6.867	33.173	25.998	0.404
160	6.563	33.302	26.139	0.423
170	6.581	33.404	26.217	0.442
180	6.500	33.511	26.312	0.459
190	6.399	33.547	26.354	0.476
200	6.232	33.618	26.432	0.493
250	6.213	33.847	26.615	0.568
300	5.663	33.880	26.710	0.638
350	5.260	33.913	26.784	0.705
400	4.911	33.941	26.846	0.768
450	4.635	33.973	26.902	0.829
500	4.393	34.020	26.966	0.887
550	4.199	34.061	27.019	0.942
600	4.075	34.105	27.066	0.996
650	3.922	34.142	27.112	1.047
700	3.821	34.175	27.148	1.096
750	3.665	34.214	27.194	1.143
800	3.521	34.243	27.232	1.189
900	3.332	34.286	27.284	1.276
965	3.188	34.315	27.321	1.330

CAST CG1-91-DI -010 DATE 20 FEB 91 TIME 1636 GMT

LAT 45 00.3N LONG 135 00.2W



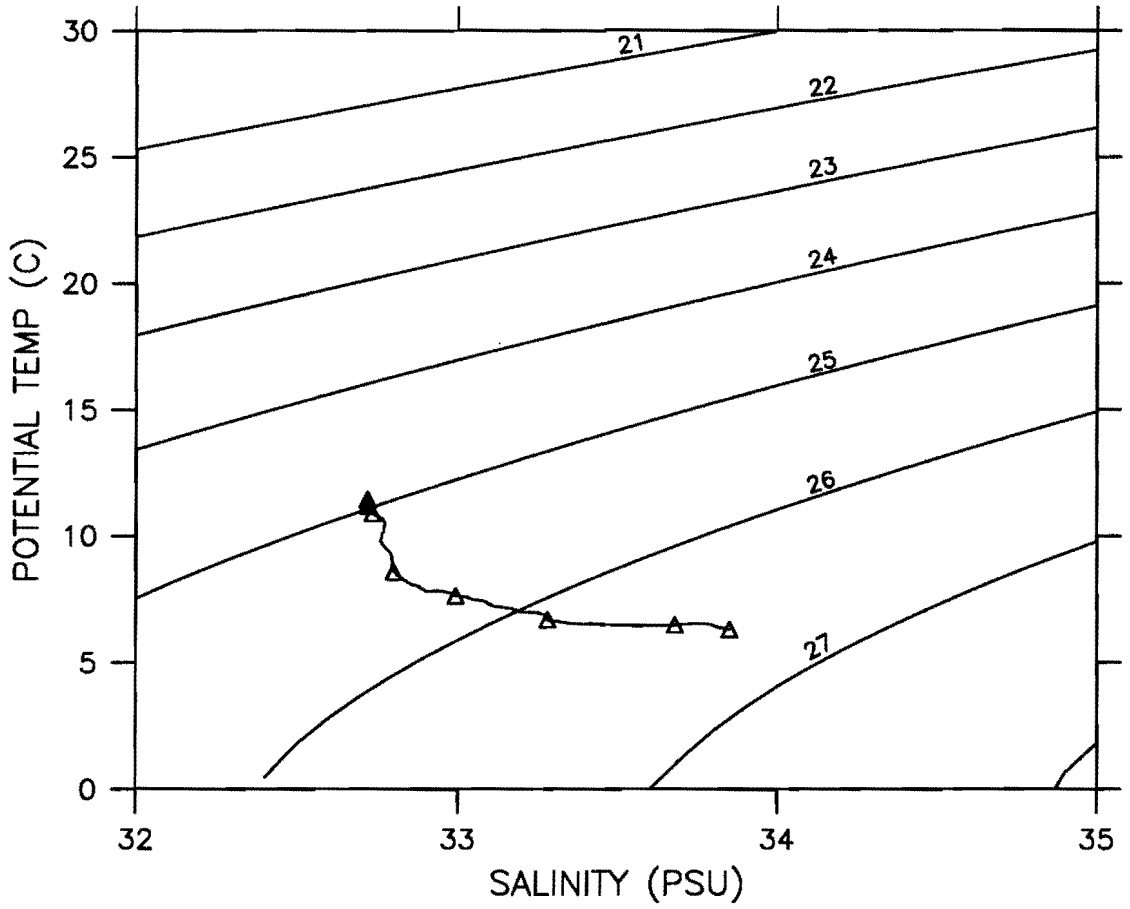


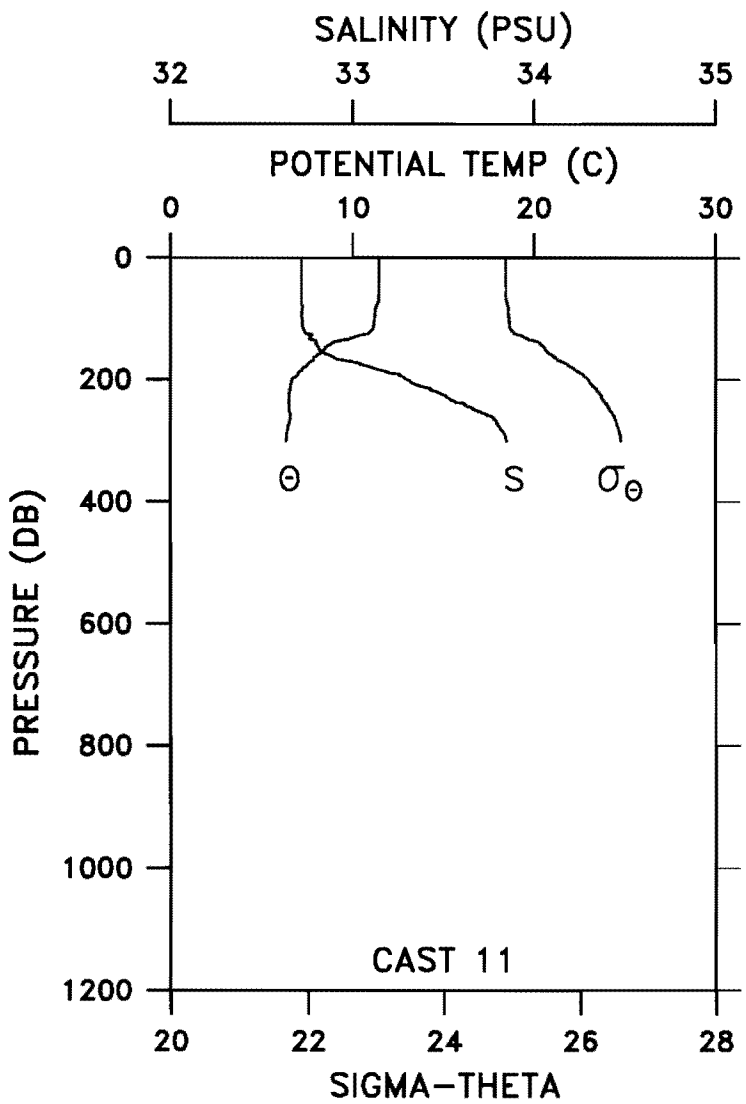
CAST CG1-91-DI -010 DATE 20 FEB 91 TIME 1636 GMT
LAT 45 00.3N LONG 135 00.2W WEATHER 1 SEA STATE 4
BAROMETER 26 WIND DIR 000 T SPD 03 KT VISIBILITY 9
CLOUD 6 AMOUNT 6 DRY 09.2 WET 06.8 DEPTH 4017 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	10.572	32.600	24.982	0.000
10	10.566	32.599	24.982	0.030
20	10.563	32.597	24.981	0.059
30	10.566	32.596	24.980	0.089
40	10.559	32.595	24.980	0.119
50	10.526	32.591	24.983	0.149
60	10.501	32.589	24.985	0.178
70	10.154	32.593	25.047	0.208
80	9.793	32.619	25.128	0.237
90	9.053	32.656	25.275	0.264
100	8.899	32.798	25.410	0.291
110	8.131	32.955	25.649	0.315
120	8.037	33.036	25.726	0.338
130	7.305	33.130	25.905	0.360
140	7.078	33.183	25.978	0.380
150	7.291	33.379	26.102	0.400
160	6.944	33.448	26.204	0.419
170	6.666	33.492	26.276	0.437
180	6.527	33.574	26.358	0.454
190	6.589	33.651	26.411	0.471
200	6.524	33.700	26.458	0.487
250	6.459	33.882	26.611	0.562
300	5.907	33.900	26.695	0.633
350	5.386	33.910	26.766	0.700
400	5.021	33.926	26.821	0.764
450	4.713	33.966	26.888	0.826
500	4.446	34.005	26.948	0.884
550	4.229	34.046	27.004	0.941
600	4.060	34.084	27.052	0.994
650	3.900	34.128	27.103	1.046
700	3.809	34.177	27.151	1.095
750	3.670	34.207	27.189	1.143
800	3.578	34.237	27.222	1.189
900	3.329	34.297	27.294	1.276
1000	3.150	34.357	27.358	1.357
1500	2.375	34.510	27.549	1.706
2000	1.808	34.594	27.662	1.985
2500	1.562	34.632	27.710	2.231
3000	1.376	34.653	27.741	2.465
3500	1.280	34.667	27.758	2.694
4000	1.223	34.676	27.770	2.925
4041	1.217	34.676	27.770	2.944

CAST CG1-91-DI -011 DATE 21 FEB 91 TIME 1614 GMT

LAT 43 59.9N LONG 135 00.2W



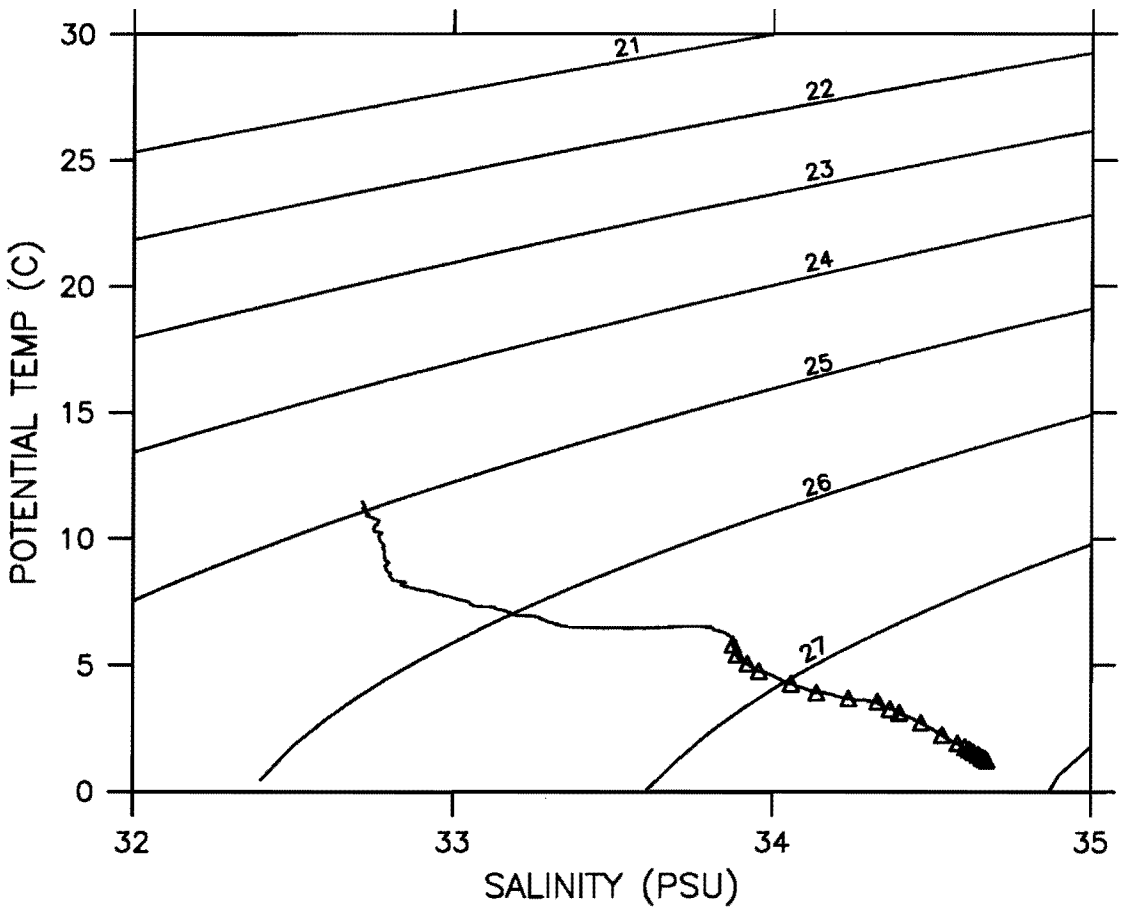


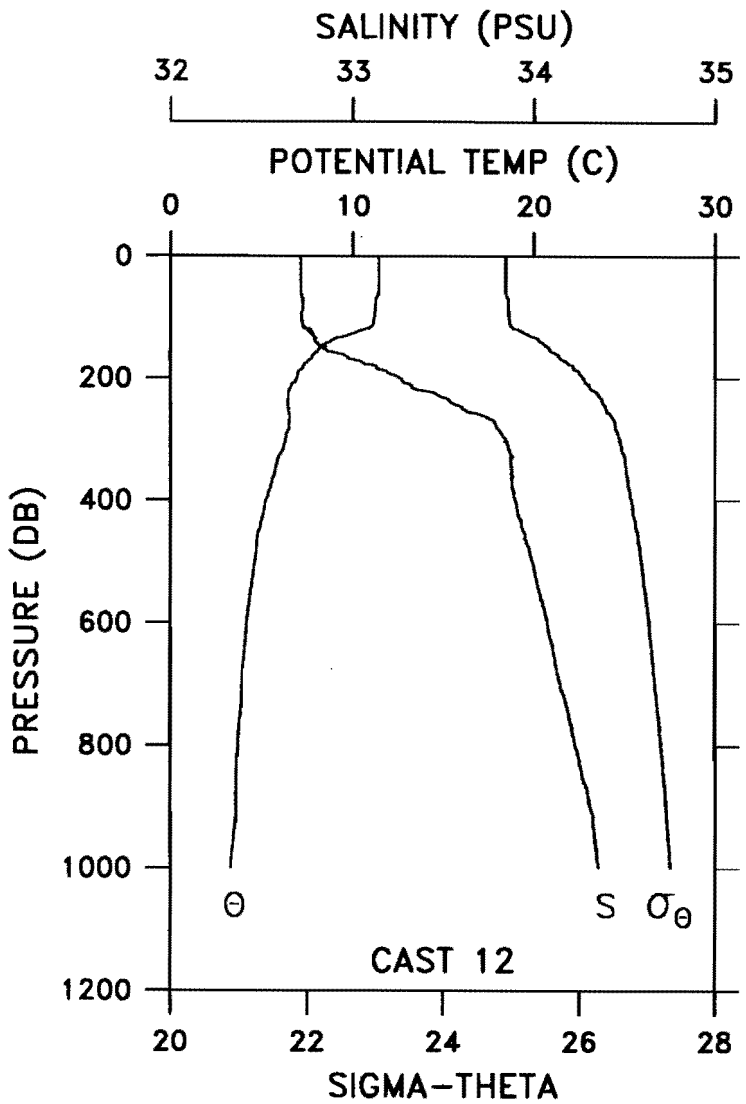
CAST CG1-91-DI -011 DATE 21 FEB 91 TIME 1614 GMT
LAT 43 59.9N LONG 135 00.2W WEATHER 1 SEA STATE 2
BAROMETER 21 WIND DIR 200 T SPD 06 KT VISIBILITY 9
CLOUD 4 AMOUNT 2 DRY 11.4 WET 10.7 DEPTH 3944 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	11.456	32.718	24.918	0.000
10	11.455	32.717	24.917	0.030
20	11.456	32.718	24.918	0.061
30	11.455	32.717	24.917	0.091
40	11.454	32.717	24.918	0.121
50	11.444	32.718	24.920	0.152
60	11.430	32.717	24.922	0.182
70	11.405	32.717	24.926	0.212
80	11.284	32.723	24.952	0.243
90	11.224	32.718	24.959	0.273
100	11.204	32.719	24.964	0.303
110	11.160	32.722	24.974	0.333
120	10.984	32.732	25.013	0.363
130	10.151	32.769	25.185	0.392
140	8.849	32.794	25.415	0.418
150	8.429	32.813	25.493	0.444
160	8.040	32.868	25.594	0.469
170	7.779	32.964	25.707	0.492
180	7.310	33.095	25.876	0.514
190	6.988	33.203	26.005	0.535
200	6.639	33.293	26.122	0.555
250	6.465	33.669	26.442	0.642
300	6.302	33.847	26.603	0.718
301	6.298	33.848	26.605	0.720

CAST CG1-91-DI -012 DATE 21 FEB 91 TIME 1945 GMT

LAT 43 59.5N LONG 134 59.4W



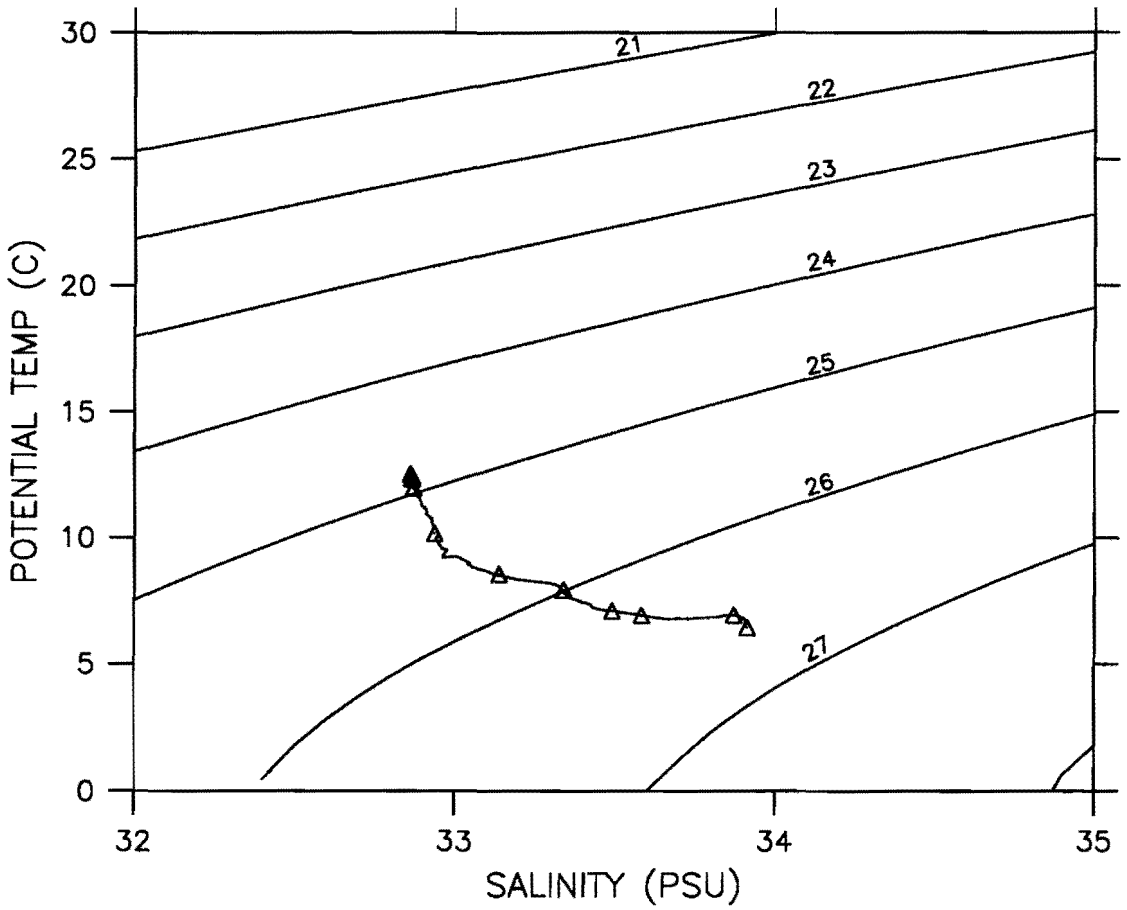


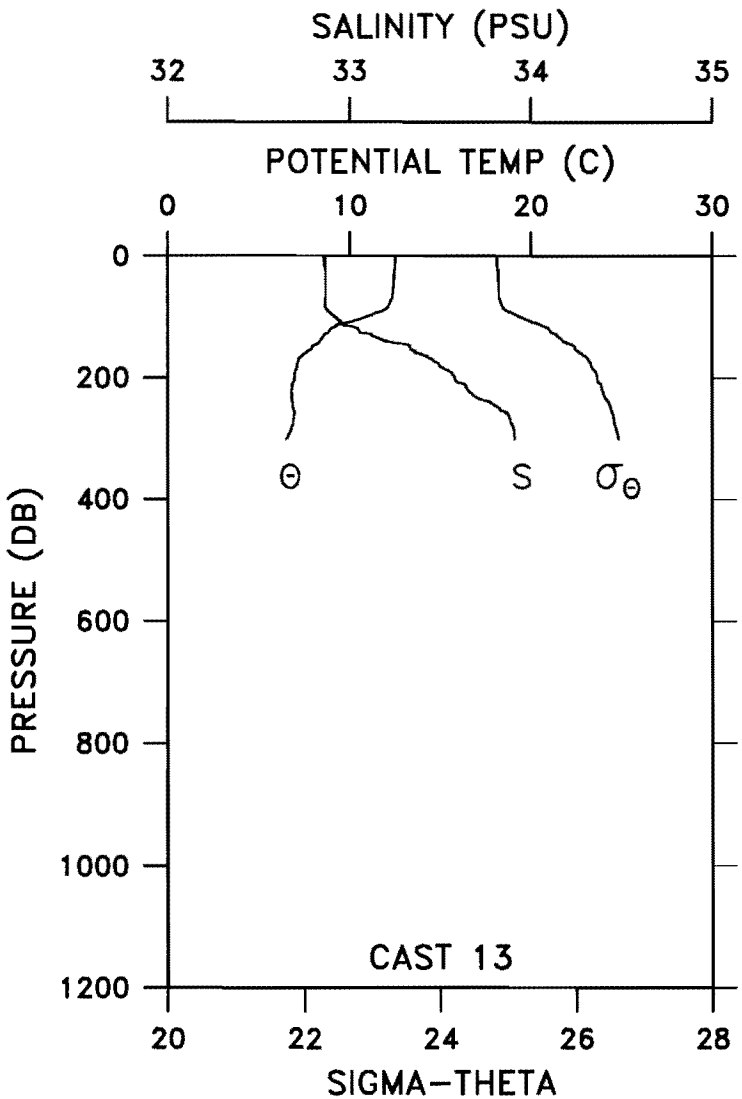
CAST CG1-91-DI -012 DATE 21 FEB 91 TIME 1945 GMT
LAT 43 59.5N LONG 134 59.4W WEATHER 2 SEA STATE 4
BAROMETER 22 WIND DIR 200 T SPD 08 KT VISIBILITY 8
CLOUD 4 AMOUNT 7 DRY 11.9 WET 10.1 DEPTH 3944 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	11.464	32.714	24.913	0.000
10	11.461	32.714	24.914	0.030
20	11.458	32.715	24.915	0.061
30	11.457	32.714	24.915	0.091
40	11.456	32.714	24.915	0.121
50	11.457	32.717	24.917	0.152
60	11.420	32.717	24.924	0.182
70	11.278	32.725	24.955	0.212
80	11.261	32.726	24.959	0.242
90	11.235	32.723	24.961	0.272
100	11.196	32.718	24.965	0.303
110	11.138	32.722	24.978	0.332
120	10.591	32.764	25.107	0.362
130	9.646	32.780	25.278	0.390
140	8.745	32.792	25.429	0.416
150	8.185	32.837	25.549	0.441
160	7.896	32.938	25.670	0.465
170	7.576	33.025	25.784	0.488
180	7.288	33.129	25.906	0.510
190	6.995	33.188	25.992	0.531
200	6.912	33.265	26.065	0.551
250	6.481	33.608	26.392	0.641
300	6.300	33.845	26.602	0.718
350	5.766	33.879	26.696	0.789
400	5.232	33.897	26.774	0.856
450	4.855	33.943	26.854	0.920
500	4.624	33.992	26.918	0.980
550	4.378	34.032	26.977	1.038
600	4.170	34.076	27.034	1.093
650	4.041	34.110	27.074	1.146
700	3.920	34.147	27.116	1.197
750	3.841	34.189	27.157	1.246
800	3.701	34.228	27.202	1.293
900	3.587	34.312	27.280	1.382
1000	3.315	34.358	27.343	1.465
1500	2.404	34.511	27.547	1.816
2000	1.828	34.593	27.659	2.096
2500	1.577	34.630	27.707	2.344
3000	1.386	34.653	27.740	2.580
3500	1.275	34.667	27.759	2.809
3976	1.234	34.675	27.768	3.028

CAST CG1-91-DI -013 DATE 22 FEB 91 TIME 0711 GMT

LAT 41 59.9N LONG 134 59.5W



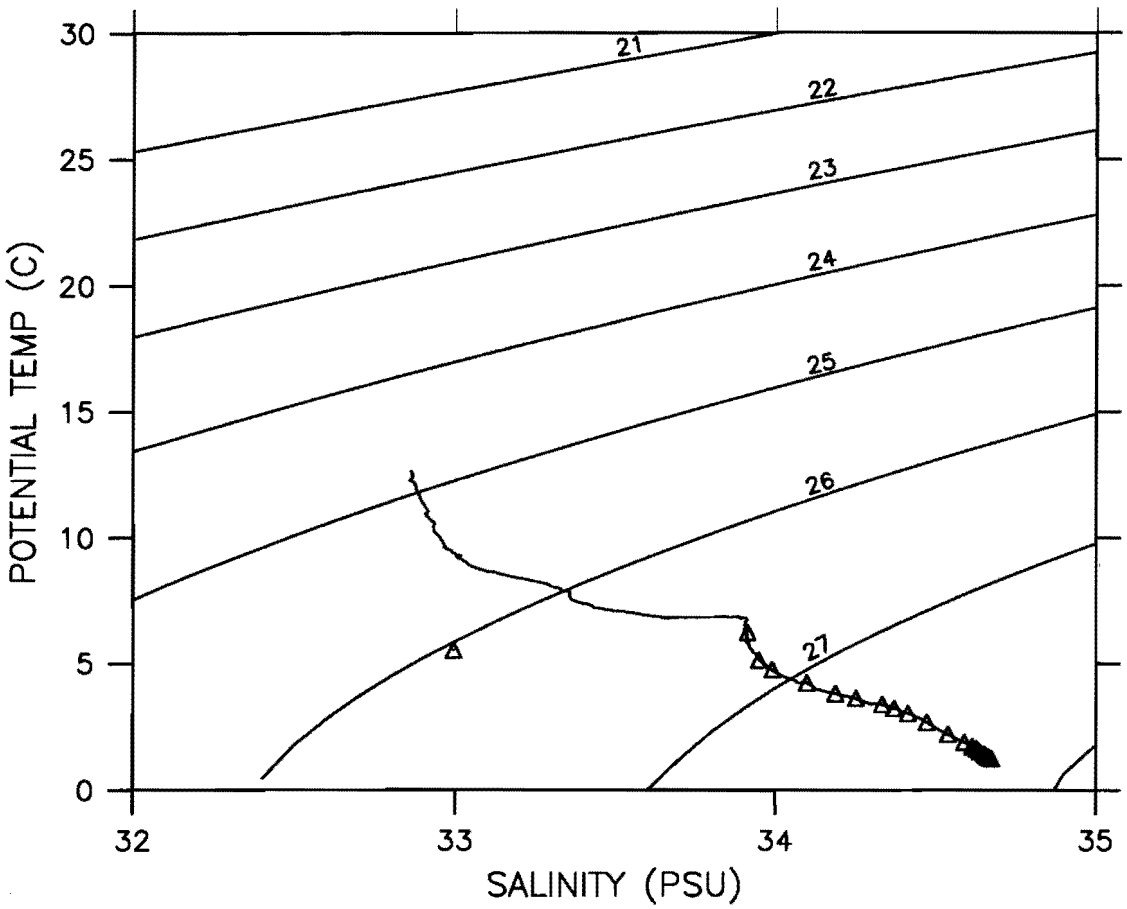


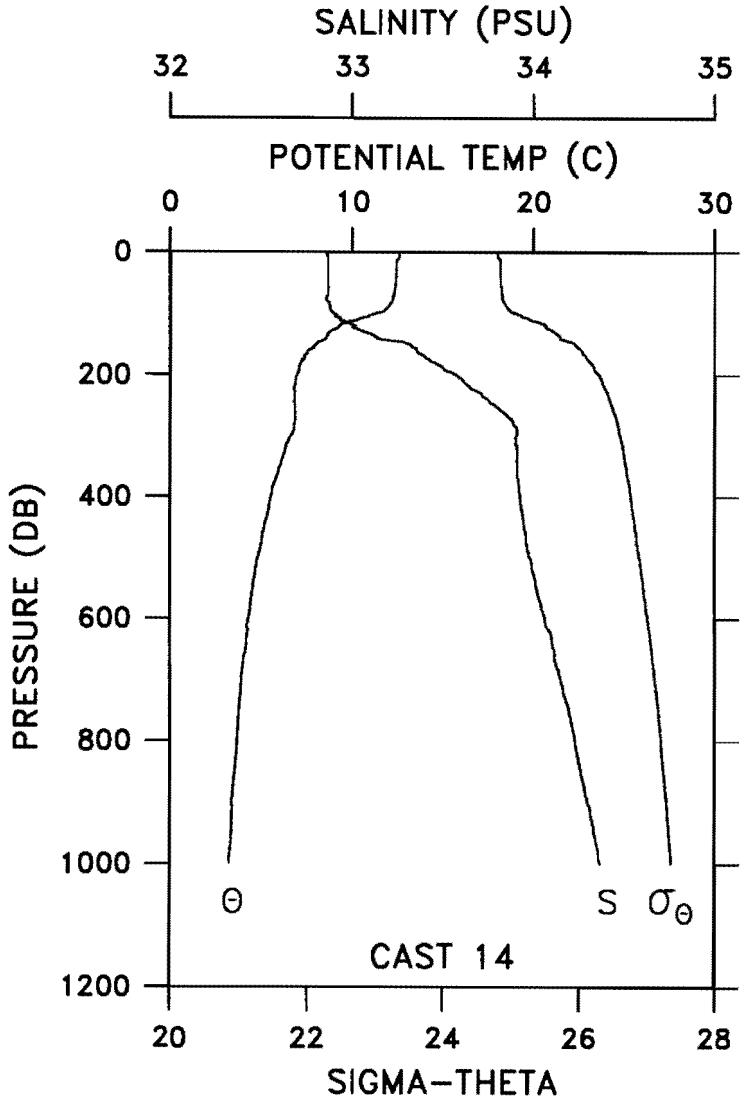
CAST CG1-91-DI -013 DATE 22 FEB 91 TIME 0711 GMT
LAT 41 59.9N LONG 134 59.5W WEATHER 1 SEA STATE 2
BAROMETER 09 WIND DIR 080 T SPD 06 KT VISIBILITY 8
CLOUD 6 AMOUNT 4 DRY 12.3 WET 11.2 DEPTH 4023 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	12.518	32.860	24.830	0.000
10	12.516	32.860	24.830	0.031
20	12.485	32.863	24.839	0.062
30	12.447	32.865	24.848	0.093
40	12.435	32.866	24.851	0.124
50	12.413	32.867	24.855	0.155
60	12.375	32.867	24.862	0.186
70	12.340	32.865	24.868	0.217
80	12.168	32.864	24.900	0.248
90	11.813	32.881	24.979	0.278
100	10.934	32.910	25.161	0.307
110	9.760	32.951	25.392	0.334
120	8.935	33.044	25.597	0.359
130	8.561	33.122	25.716	0.383
140	8.353	33.197	25.806	0.405
150	7.910	33.333	25.978	0.426
160	7.491	33.393	26.085	0.446
170	7.161	33.457	26.181	0.465
180	7.111	33.495	26.218	0.484
190	6.985	33.557	26.284	0.502
200	6.940	33.579	26.308	0.519
250	6.878	33.825	26.510	0.601
300	6.524	33.908	26.623	0.676
301	6.515	33.908	26.624	0.678

CAST CG1-91-DI -014 DATE 22 FEB 91 TIME 1053 GMT

LAT 42 00.3N LONG 134 59.7W



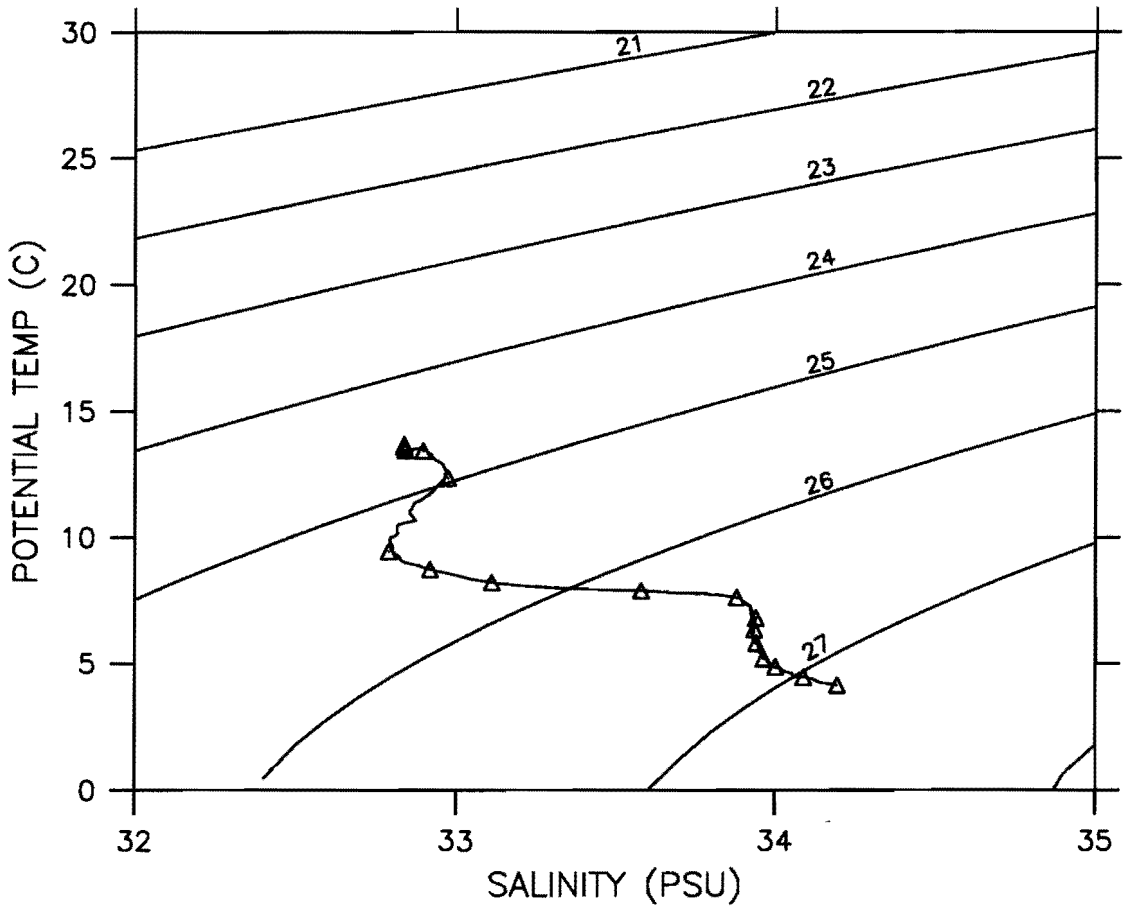


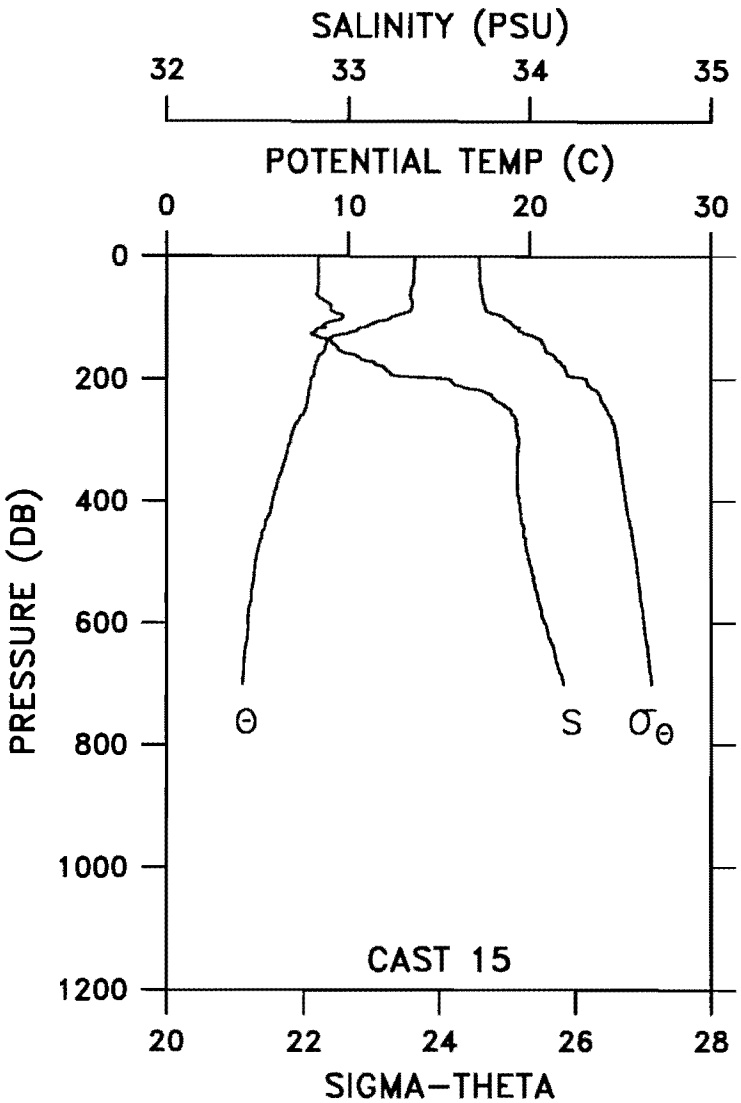
CAST CG1-91-DI -014 DATE 22 FEB 91 TIME 1053 GMT
LAT 42 00.3N LONG 134 59.7W WEATHER 1 SEA STATE 2
BAROMETER 25 WIND DIR 000 T SPD 02 KT VISIBILITY 8
CLOUD 0 AMOUNT 3 DRY 11.8 WET 10.8 DEPTH 4025 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	12.624	32.861	24.810	0.000
10	12.582	32.862	24.819	0.031
20	12.458	32.866	24.846	0.062
30	12.447	32.866	24.848	0.093
40	12.437	32.866	24.850	0.124
50	12.416	32.866	24.854	0.155
60	12.373	32.866	24.862	0.186
70	12.318	32.861	24.869	0.217
80	12.237	32.862	24.885	0.248
90	11.972	32.878	24.947	0.279
100	11.287	32.902	25.091	0.308
110	10.309	32.932	25.286	0.336
120	9.288	33.018	25.521	0.362
130	8.771	33.069	25.642	0.386
140	8.558	33.141	25.731	0.409
150	8.003	33.315	25.950	0.431
160	7.604	33.358	26.042	0.451
170	7.381	33.401	26.107	0.471
180	7.170	33.462	26.184	0.490
190	7.087	33.503	26.228	0.508
200	6.975	33.573	26.298	0.526
250	6.846	33.790	26.487	0.608
300	6.621	33.904	26.606	0.684
350	6.021	33.912	26.691	0.755
400	5.524	33.927	26.763	0.823
450	5.161	33.950	26.824	0.888
500	4.818	33.981	26.888	0.950
550	4.549	34.017	26.946	1.009
600	4.304	34.063	27.009	1.065
650	4.149	34.114	27.066	1.119
700	3.918	34.151	27.119	1.170
750	3.788	34.197	27.169	1.219
800	3.693	34.231	27.205	1.266
900	3.399	34.301	27.290	1.355
1000	3.253	34.365	27.355	1.437
1500	2.328	34.521	27.561	1.782
2000	1.799	34.603	27.669	2.057
2500	1.545	34.636	27.715	2.301
3000	1.373	34.656	27.743	2.532
3500	1.283	34.667	27.758	2.761
4000	1.241	34.673	27.766	2.993
4069	1.238	34.674	27.767	3.026

CAST CG1-91-DI -015 DATE 22 FEB 91 TIME 2205 GMT

LAT 40 00.0N LONG 135 00.0W



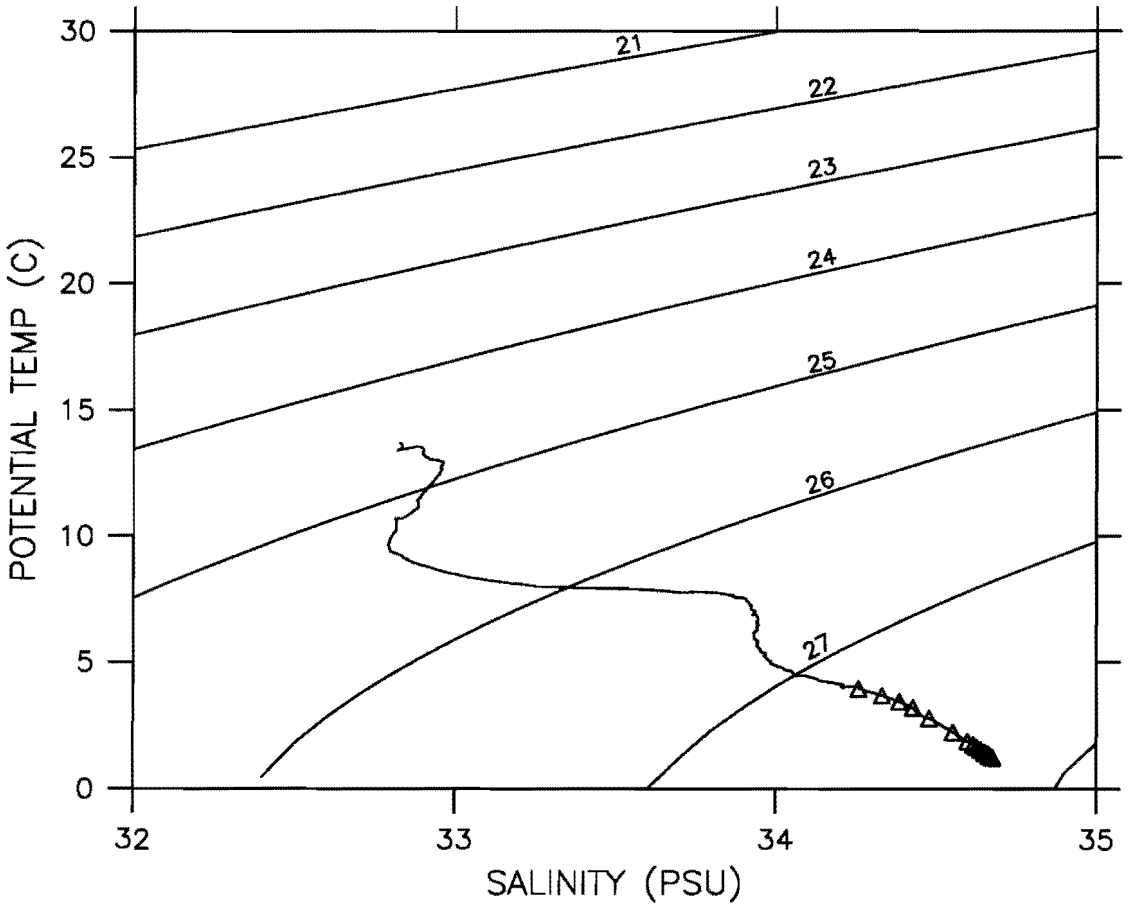


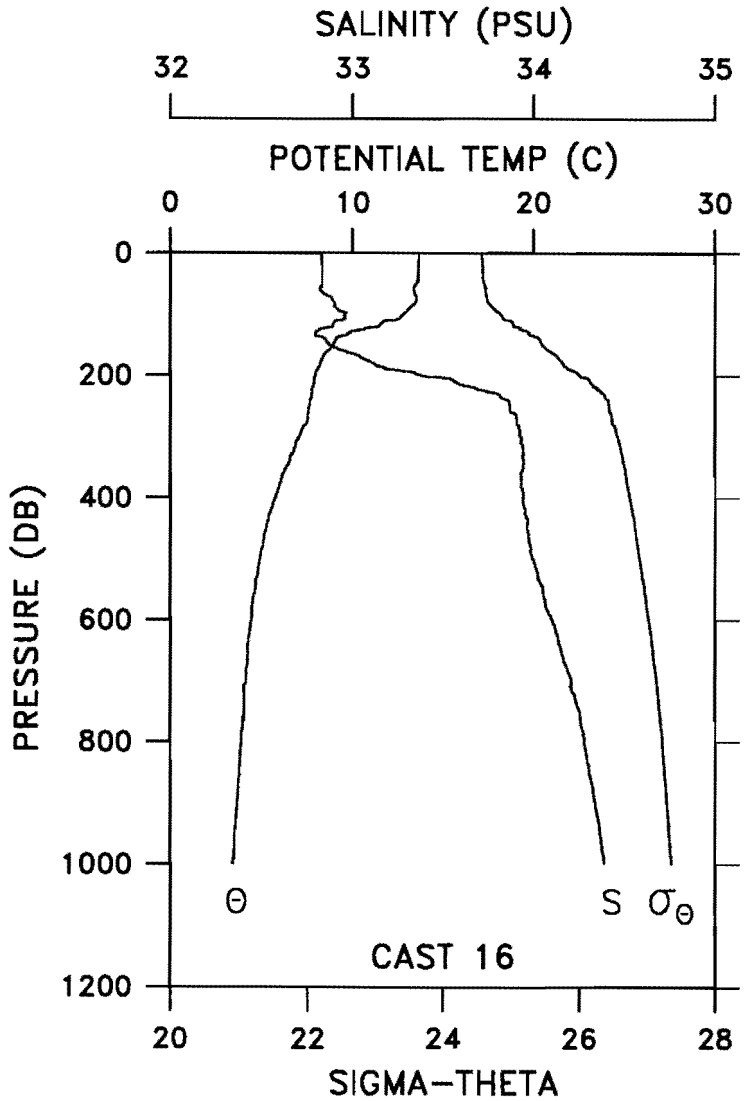
CAST CG1-91-DI -015 DATE 22 FEB 91 TIME 2205 GMT
LAT 40 00.0N LONG 135 00.0W WEATHER 1 SEA STATE 3
BAROMETER 25 WIND DIR 125 T SPD 17 KT VISIBILITY 8
CLOUD 3 AMOUNT 2 DRY 13.6 WET 11.1 DEPTH 4138 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	13.663	32.830	24.580	0.000
10	13.655	32.830	24.582	0.033
20	13.620	32.833	24.591	0.067
30	13.602	32.832	24.594	0.100
40	13.591	32.831	24.595	0.134
50	13.499	32.829	24.613	0.167
60	13.422	32.824	24.624	0.200
70	13.472	32.856	24.639	0.234
80	13.517	32.902	24.665	0.267
90	13.391	32.911	24.698	0.299
100	12.296	32.961	24.951	0.331
110	11.356	32.869	25.053	0.360
120	10.460	32.818	25.171	0.389
130	9.129	32.824	25.395	0.416
140	8.782	32.904	25.512	0.441
150	8.673	32.939	25.556	0.466
160	8.397	33.031	25.669	0.490
170	8.240	33.097	25.745	0.513
180	8.111	33.187	25.834	0.535
190	8.071	33.227	25.871	0.557
200	7.883	33.551	26.153	0.578
250	7.566	33.895	26.469	0.665
300	6.774	33.937	26.612	0.740
350	6.304	33.933	26.671	0.812
400	5.793	33.939	26.741	0.881
450	5.244	33.964	26.826	0.947
500	4.867	33.998	26.896	1.009
550	4.660	34.038	26.951	1.067
600	4.464	34.083	27.008	1.124
650	4.267	34.137	27.072	1.178
700	4.171	34.186	27.121	1.229
701	4.170	34.187	27.122	1.230

CAST CG1-91-DI -016 DATE 23 FEB 91 TIME 0145 GMT

LAT 39 59.8N LONG 134 59.9W



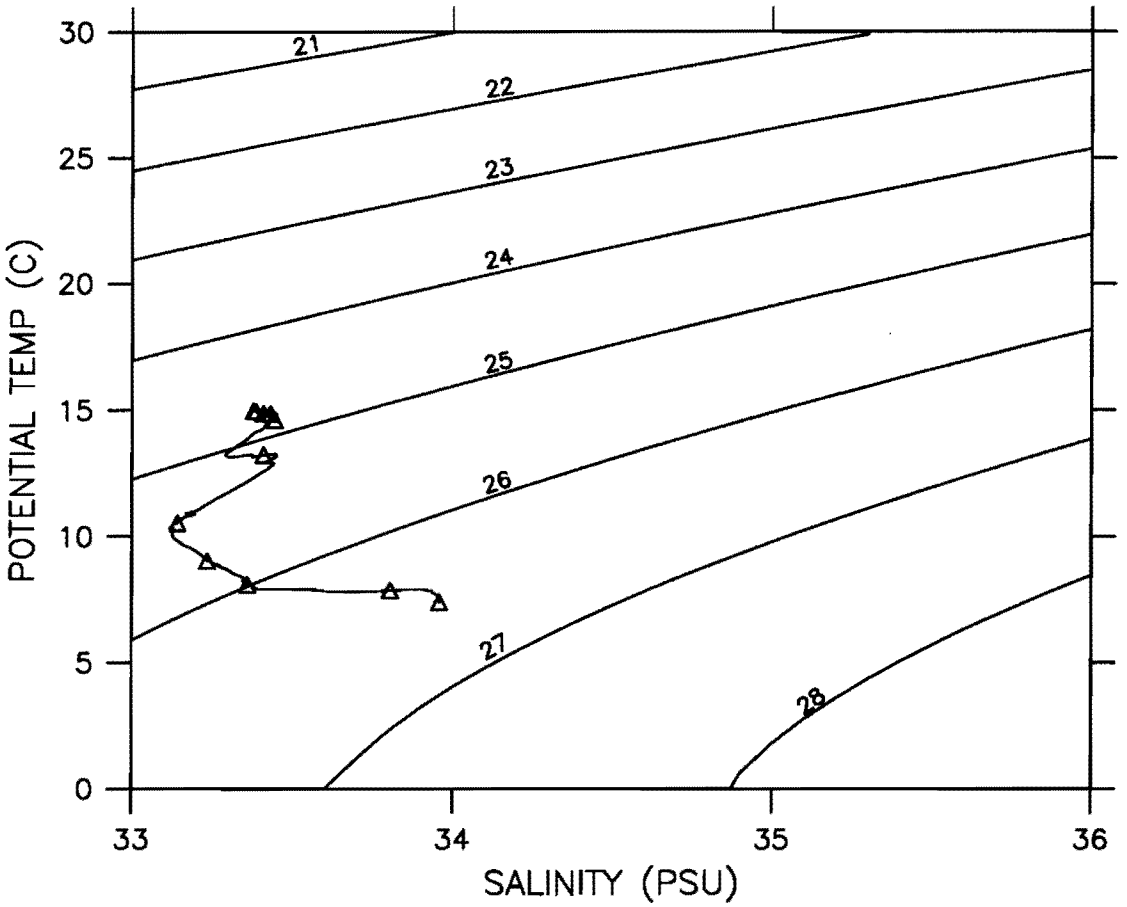


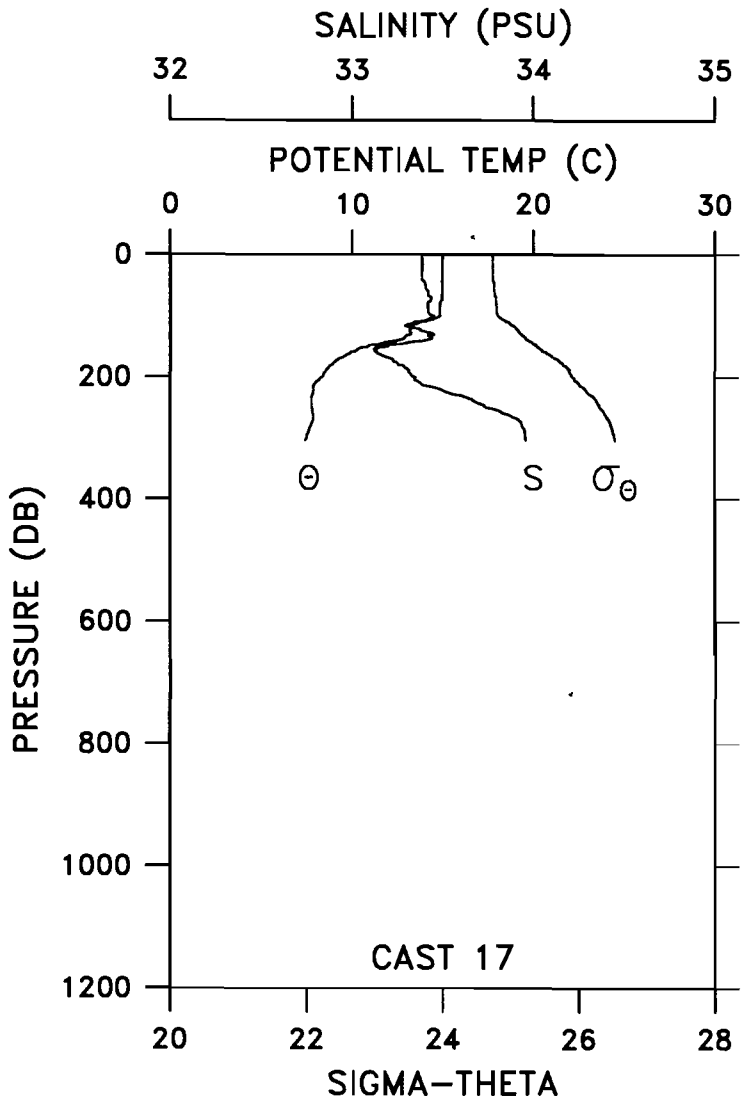
CAST CG1-91-DI -016 DATE 23 FEB 91 TIME 0145 GMT
LAT 39 59.8N LONG 134 59.9W WEATHER 1 SEA STATE 2
BAROMETER 25 WIND DIR 135 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 13.9 WET 12.0 DEPTH 4144 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	13.676	32.830	24.577	0.000
10	13.669	32.829	24.578	0.034
20	13.637	32.833	24.588	0.067
30	13.628	32.834	24.591	0.100
40	13.621	32.834	24.592	0.134
50	13.550	32.834	24.607	0.167
60	13.396	32.821	24.628	0.201
70	13.514	32.866	24.638	0.234
80	13.515	32.897	24.662	0.267
90	13.141	32.910	24.747	0.299
100	12.792	32.959	24.853	0.331
110	11.869	32.913	24.993	0.362
120	11.444	32.883	25.049	0.391
130	9.856	32.797	25.256	0.419
140	9.084	32.849	25.422	0.446
150	8.936	32.873	25.463	0.471
160	8.621	32.955	25.576	0.496
170	8.366	33.042	25.683	0.520
180	8.213	33.119	25.765	0.543
190	8.060	33.213	25.862	0.565
200	7.952	33.377	26.007	0.586
250	7.617	33.870	26.442	0.674
300	7.055	33.929	26.568	0.752
350	6.356	33.943	26.672	0.825
400	5.742	33.945	26.751	0.894
450	5.242	33.964	26.826	0.959
500	4.890	33.994	26.890	1.020
550	4.633	34.051	26.964	1.079
600	4.437	34.102	27.026	1.135
650	4.229	34.152	27.088	1.187
700	4.122	34.208	27.144	1.238
750	4.046	34.254	27.188	1.286
800	3.877	34.278	27.224	1.332
900	3.650	34.341	27.297	1.420
1000	3.411	34.390	27.360	1.501
1500	2.376	34.532	27.566	1.845
2000	1.810	34.606	27.671	2.118
2500	1.533	34.640	27.719	2.362
3000	1.378	34.657	27.744	2.593
3500	1.275	34.669	27.760	2.821
4000	1.221	34.676	27.770	3.050
4150	1.218	34.676	27.770	3.120

CAST CG1-91-DI -017 DATE 23 FEB 91 TIME 1700 GMT

LAT 36 59.5N LONG 134 59.4W



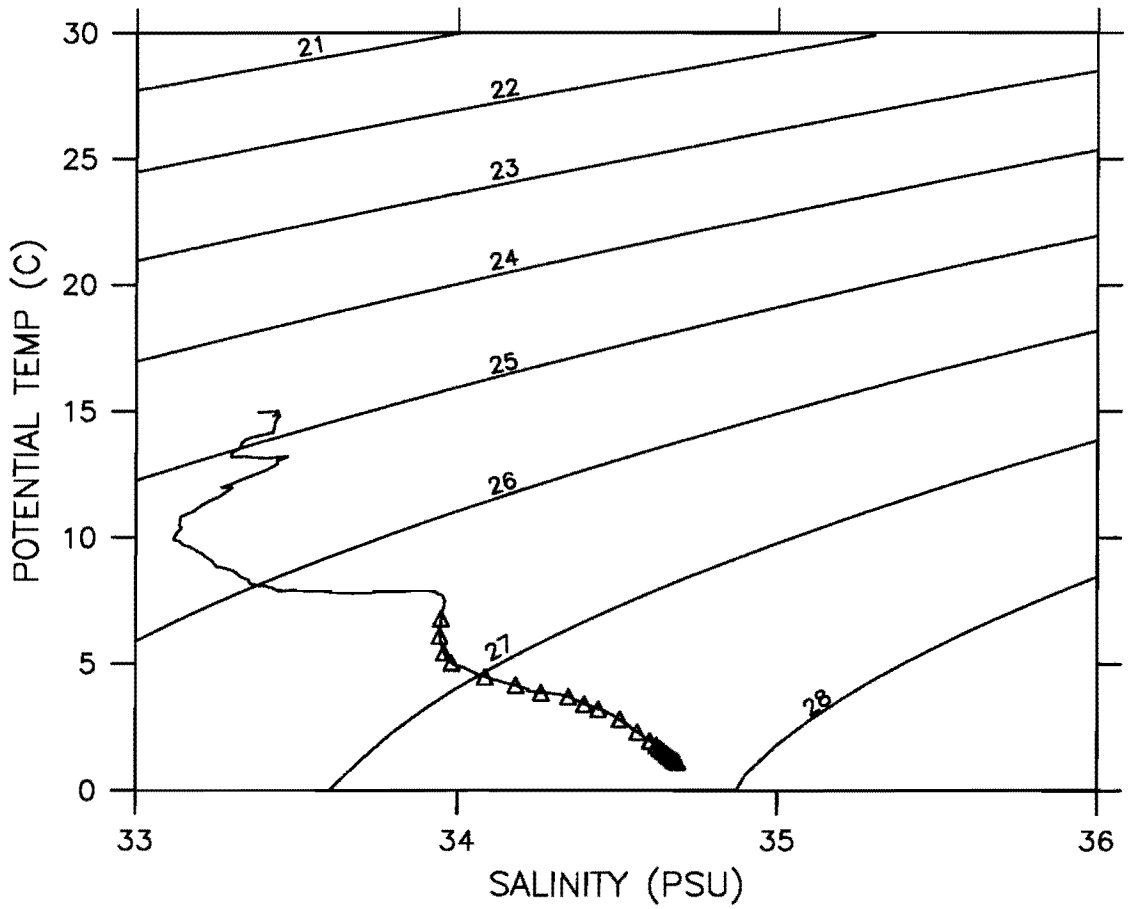


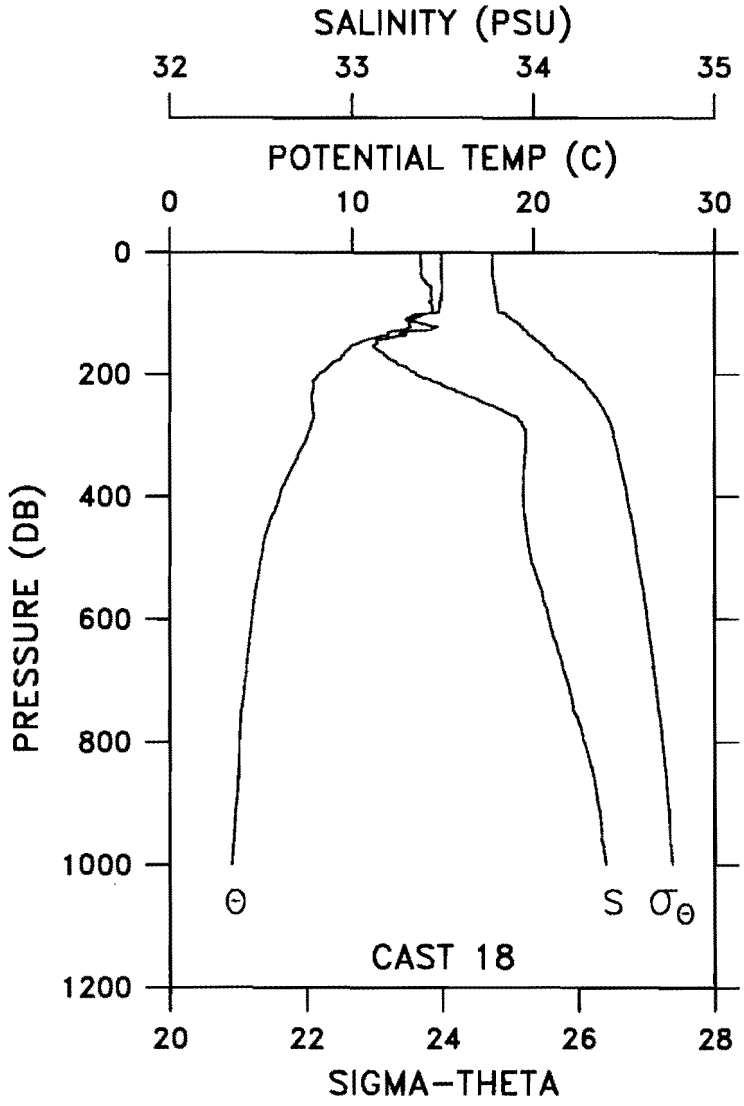
CAST CG1-91-DI -017 DATE 23 FEB 91 TIME 1700 GMT
LAT 36 59.5N LONG 134 59.4W WEATHER 1 SEA STATE 4
BAROMETER 25 WIND DIR 095 T SPD 16 KT VISIBILITY 7
CLOUD 7 AMOUNT 7 DRY 13.8 WET 11.1 DEPTH 5039 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.975	33.387	24.734	0.000
10	14.974	33.387	24.735	0.032
20	14.973	33.387	24.735	0.064
30	14.976	33.386	24.734	0.096
40	14.975	33.386	24.734	0.128
50	14.959	33.403	24.751	0.160
60	14.976	33.420	24.760	0.192
70	14.943	33.436	24.779	0.224
80	14.846	33.416	24.785	0.256
90	14.827	33.419	24.792	0.288
100	14.833	33.451	24.815	0.319
110	13.728	33.346	24.966	0.350
120	13.218	33.353	25.074	0.380
130	13.189	33.451	25.156	0.409
140	12.503	33.400	25.251	0.437
150	10.875	33.197	25.395	0.463
160	9.886	33.137	25.517	0.489
170	9.263	33.216	25.680	0.513
180	8.899	33.254	25.767	0.536
190	8.549	33.310	25.865	0.558
200	8.367	33.347	25.921	0.579
250	7.791	33.741	26.316	0.675
300	7.492	33.957	26.528	0.756
304	7.430	33.957	26.538	0.762

CAST CG1-91-DI -018 DATE 23 FEB 91 TIME 2038 GMT

LAT 36 59.4N LONG 134 59.4W



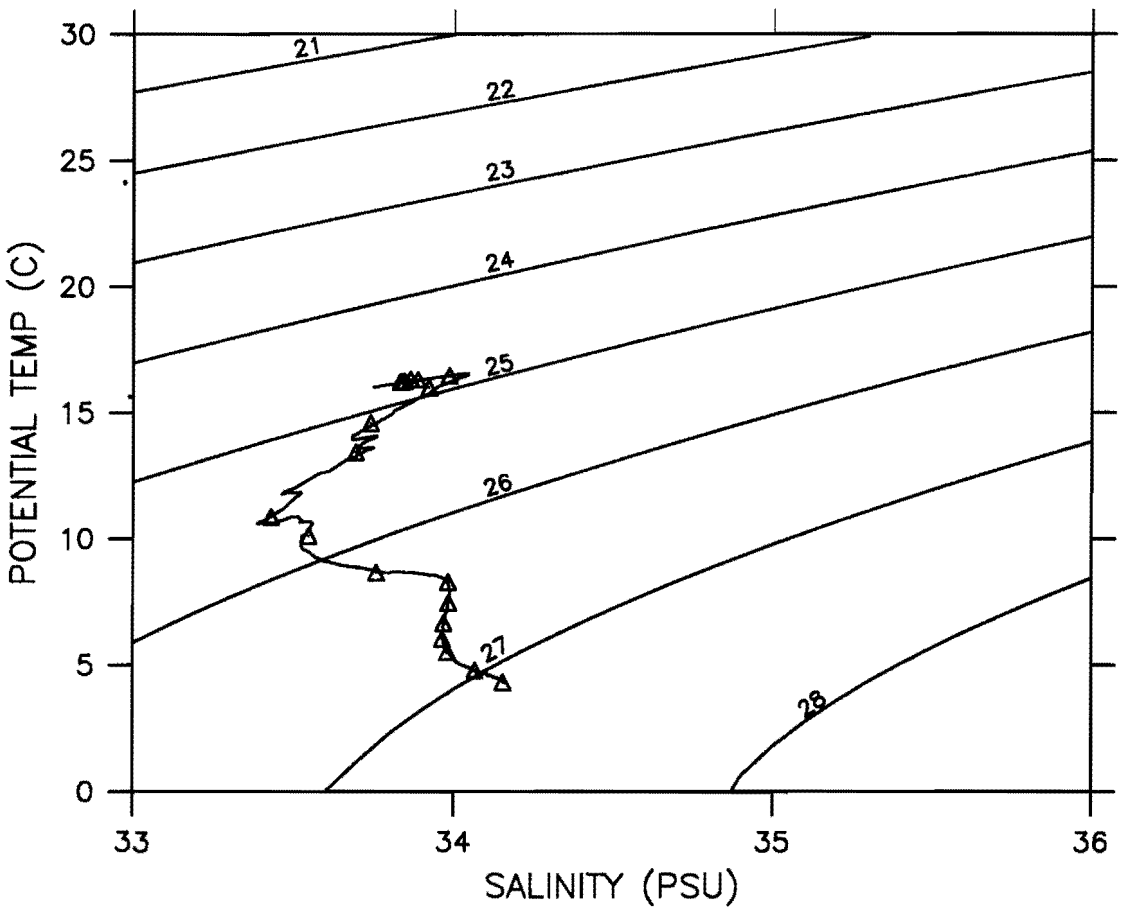


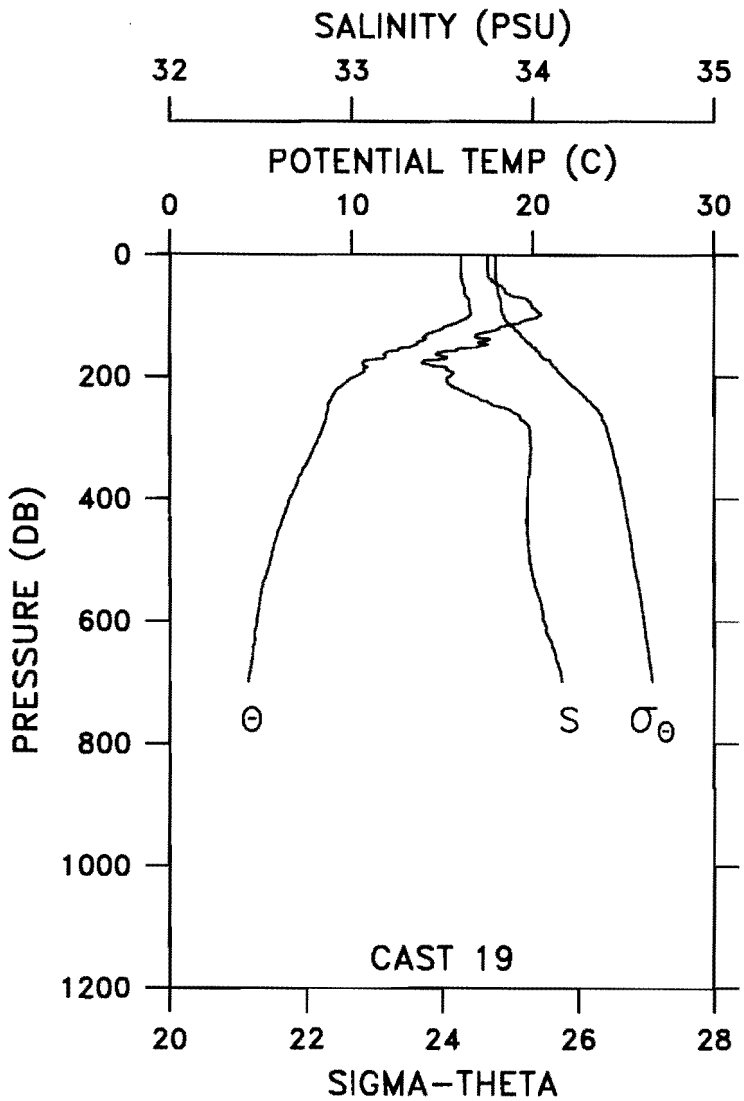
CAST CG1-91-DI -018 DATE 23 FEB 91 TIME 2038 GMT
LAT 36 59.4N LONG 134 59.4W WEATHER 1 SEA STATE 2
BAROMETER 24 WIND DIR 095 T SPD 16 KT VISIBILITY 8
CLOUD 7 AMOUNT 6 DRY 13.8 WET 11.4 DEPTH 5044 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.952	33.379	24.734	0.000
10	14.952	33.379	24.734	0.032
20	14.950	33.380	24.735	0.064
30	14.948	33.381	24.736	0.096
40	14.945	33.384	24.739	0.128
50	14.976	33.411	24.753	0.160
60	14.997	33.440	24.771	0.192
70	14.930	33.435	24.781	0.224
80	14.869	33.433	24.793	0.256
90	14.844	33.443	24.807	0.287
100	14.160	33.425	24.937	0.319
110	13.281	33.297	25.019	0.349
120	13.158	33.424	25.141	0.378
130	12.126	33.297	25.243	0.406
140	11.302	33.207	25.326	0.433
150	10.332	33.140	25.444	0.459
160	9.760	33.140	25.540	0.484
170	9.434	33.191	25.633	0.509
180	8.962	33.243	25.749	0.532
190	8.643	33.304	25.846	0.554
200	8.191	33.352	25.952	0.575
250	7.828	33.762	26.327	0.670
300	7.558	33.957	26.519	0.751
350	6.770	33.951	26.624	0.826
400	6.039	33.946	26.715	0.897
450	5.395	33.960	26.805	0.964
500	5.015	33.986	26.869	1.026
550	4.696	34.043	26.951	1.086
600	4.486	34.087	27.009	1.142
650	4.288	34.133	27.067	1.196
700	4.104	34.188	27.129	1.247
750	3.899	34.225	27.180	1.296
800	3.826	34.282	27.233	1.342
900	3.621	34.358	27.314	1.428
1000	3.377	34.402	27.373	1.508
1500	2.437	34.543	27.570	1.847
2000	1.852	34.610	27.671	2.122
2500	1.563	34.641	27.717	2.365
3000	1.378	34.659	27.745	2.597
3500	1.246	34.673	27.766	2.823
4000	1.172	34.681	27.777	3.048
4500	1.139	34.684	27.782	3.278
5000	1.129	34.685	27.784	3.517
5134	1.126	34.686	27.784	3.582

CAST CG1-91-DI -019 DATE 24 FEB 91 TIME 0740 GMT

LAT 35 00.1N LONG 135 00.1W



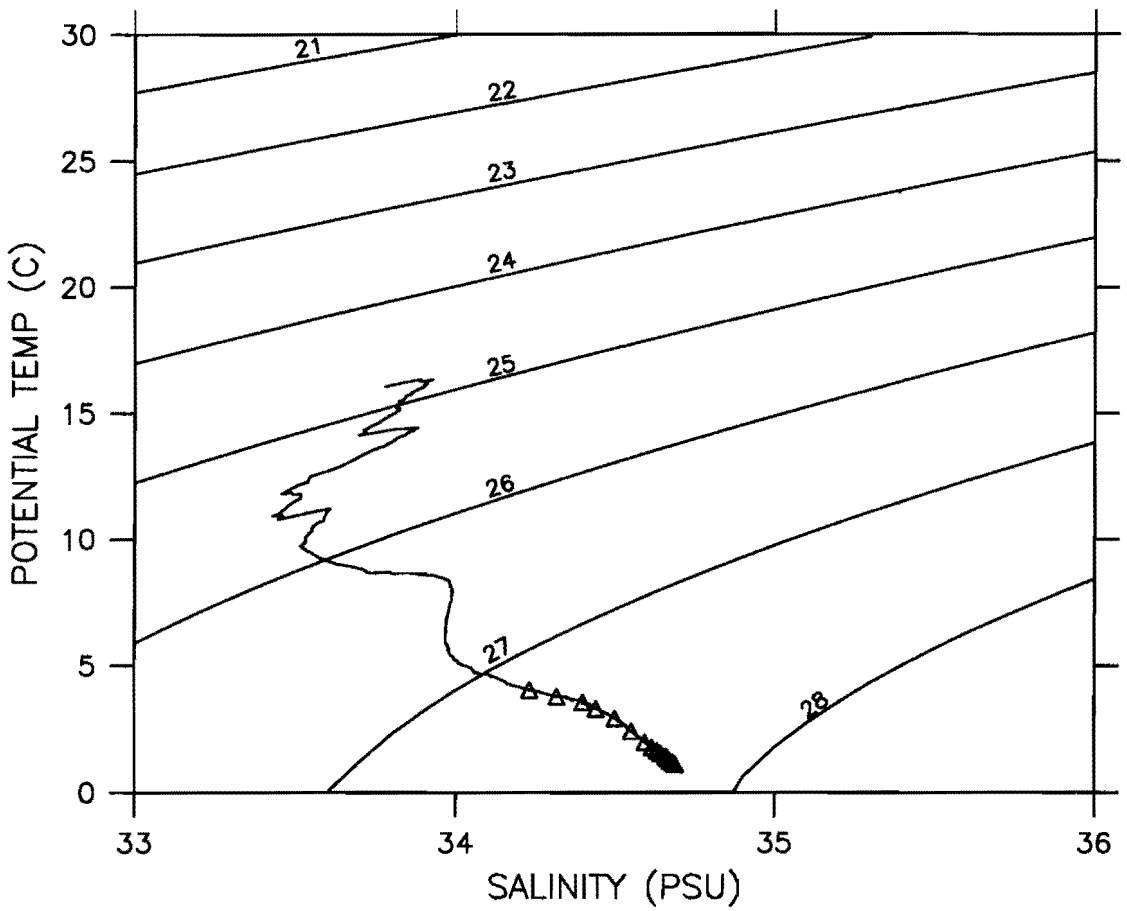


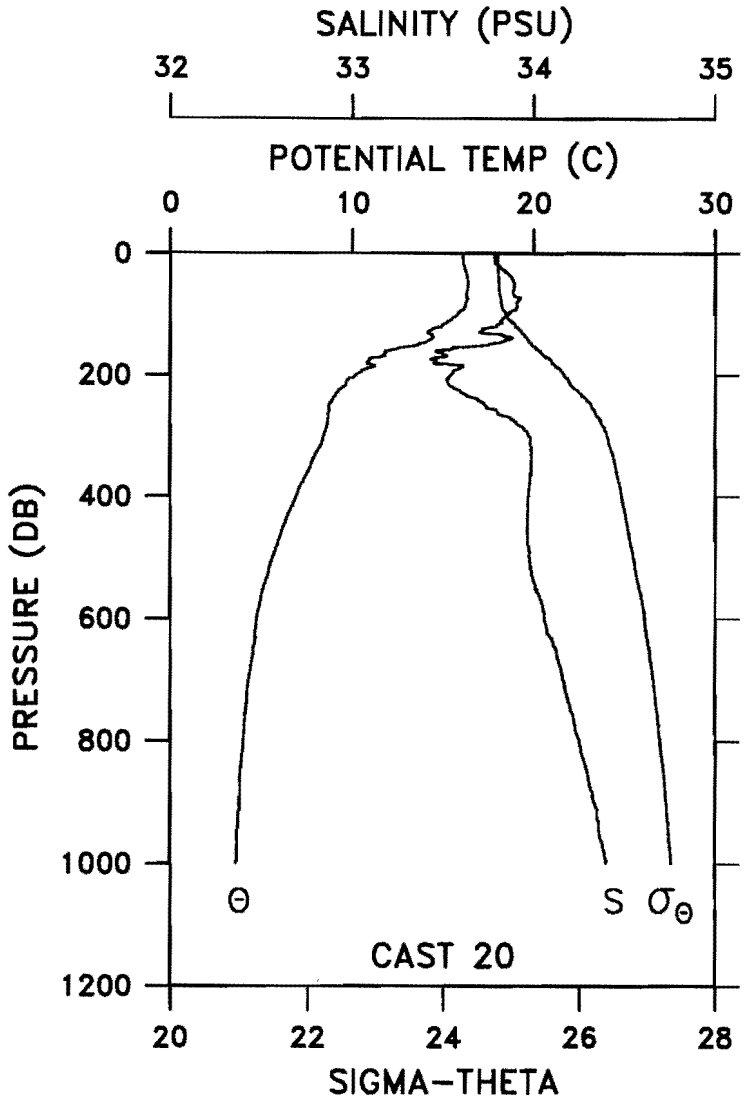
CAST CG1-91-DI -019 DATE 24 FEB 91 TIME 0740 GMT
LAT 35 00.1N LONG 135 00.1W WEATHER 2 SEA STATE 3
BAROMETER 03 WIND DIR 090 T SPD 15 KT VISIBILITY 8
CLOUD 7 AMOUNT 6 DRY 14.6 WET 12.4 DEPTH 5213 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	16.012	33.749	24.784	0.000
10	16.010	33.749	24.784	0.032
20	16.012	33.749	24.783	0.063
30	16.021	33.752	24.784	0.095
40	16.067	33.773	24.790	0.126
50	16.164	33.822	24.805	0.158
60	16.197	33.846	24.816	0.189
70	16.379	33.937	24.844	0.221
80	16.476	33.988	24.861	0.252
90	16.522	34.013	24.869	0.283
100	16.432	34.036	24.908	0.314
110	15.895	33.935	24.953	0.344
120	15.041	33.812	25.048	0.374
130	14.148	33.696	25.149	0.403
140	13.999	33.749	25.222	0.431
150	13.365	33.703	25.315	0.459
160	11.895	33.477	25.426	0.485
170	11.753	33.521	25.487	0.511
180	10.640	33.429	25.616	0.535
190	10.683	33.534	25.691	0.559
200	10.187	33.537	25.778	0.582
250	8.695	33.825	26.246	0.683
300	8.175	33.985	26.451	0.768
350	7.310	33.983	26.575	0.846
400	6.573	33.969	26.664	0.920
450	5.968	33.967	26.741	0.989
500	5.515	33.980	26.806	1.055
550	5.017	34.021	26.897	1.118
600	4.780	34.061	26.955	1.177
650	4.560	34.119	27.026	1.233
699	4.297	34.160	27.087	1.285

CAST CG1-91-DI -020 DATE 24 FEB 91 TIME 1151 GMT

LAT 35 00.1N LONG 135 00.1W



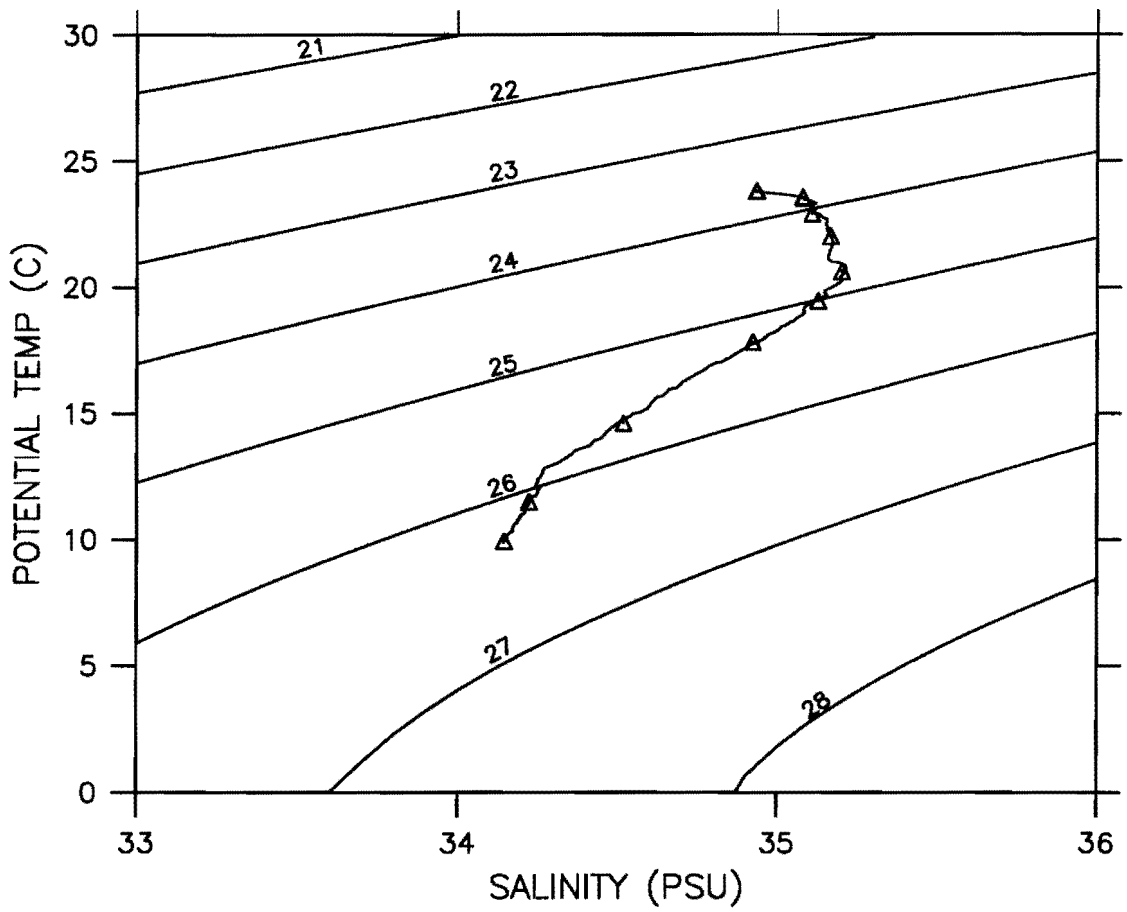


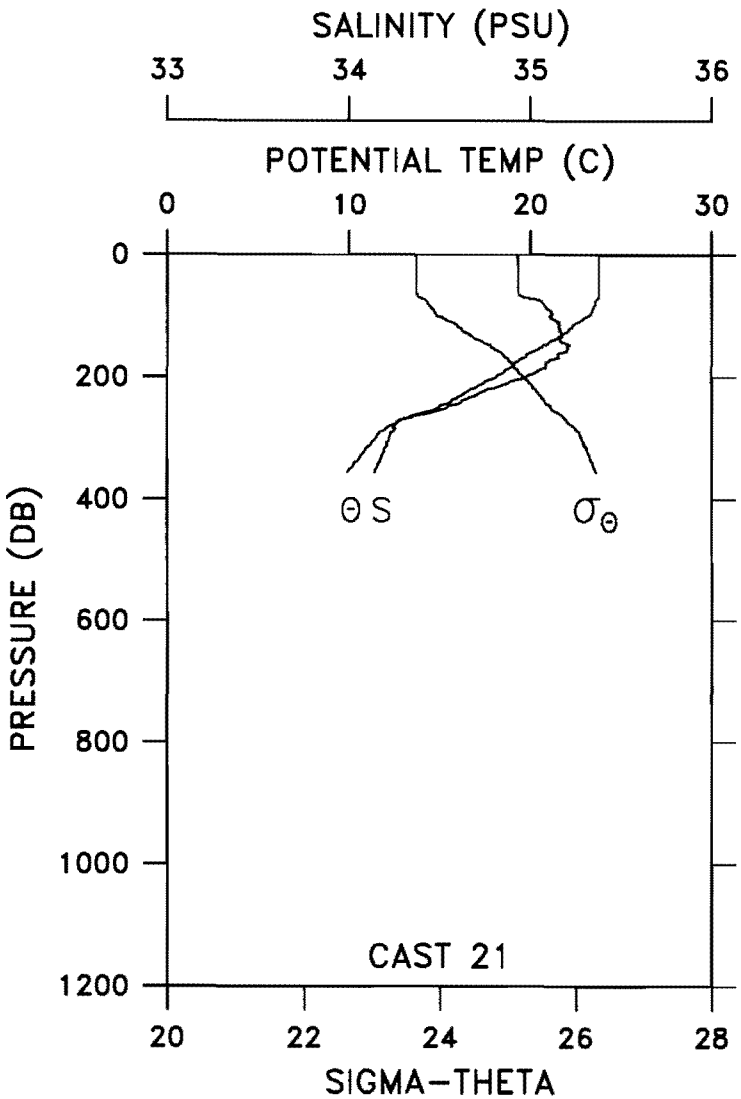
CAST CG1-91-DI -020 DATE 24 FEB 91 TIME 1151 GMT
LAT 35 00.1N LONG 135 00.1W WEATHER 1 SEA STATE 2
BAROMETER 20 WIND DIR 115 T SPD 05 KT VISIBILITY 8
CLOUD 6 AMOUNT 4 DRY 13.9 WET 11.5 DEPTH 5203 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	16.065	33.780	24.796	0.000
10	16.082	33.786	24.796	0.031
20	16.133	33.805	24.799	0.063
30	16.227	33.838	24.803	0.094
40	16.324	33.881	24.814	0.126
50	16.346	33.892	24.818	0.157
60	16.325	33.891	24.821	0.189
70	16.272	33.891	24.834	0.220
80	16.244	33.907	24.852	0.251
90	16.162	33.905	24.869	0.282
100	15.809	33.864	24.918	0.313
110	15.360	33.825	24.988	0.343
120	14.920	33.793	25.060	0.373
130	14.140	33.698	25.152	0.401
140	14.385	33.874	25.237	0.429
150	13.581	33.749	25.307	0.457
160	11.838	33.463	25.426	0.483
170	11.618	33.513	25.506	0.509
180	10.820	33.449	25.600	0.533
190	10.735	33.588	25.724	0.557
200	10.238	33.542	25.774	0.580
250	8.688	33.728	26.171	0.683
300	8.426	33.970	26.401	0.772
350	7.678	33.986	26.525	0.852
400	6.912	33.973	26.622	0.928
450	6.171	33.968	26.716	0.999
500	5.625	33.977	26.791	1.067
550	5.106	34.008	26.876	1.130
600	4.728	34.057	26.958	1.189
650	4.555	34.123	27.030	1.246
700	4.292	34.164	27.091	1.299
750	4.146	34.204	27.138	1.349
800	4.001	34.251	27.190	1.398
900	3.767	34.334	27.281	1.488
1000	3.571	34.396	27.349	1.571
1500	2.540	34.539	27.558	1.920
2000	1.853	34.607	27.668	2.198
2500	1.556	34.640	27.717	2.443
3000	1.357	34.660	27.747	2.673
3500	1.241	34.672	27.765	2.898
4000	1.167	34.682	27.778	3.122
4500	1.136	34.684	27.782	3.352
5000	1.120	34.686	27.785	3.590
5270	1.117	34.685	27.785	3.723

CAST CG1-91-DI -021 DATE 28 FEB 91 TIME 2010 GMT

LAT 21 20.0N LONG 152 49.6W



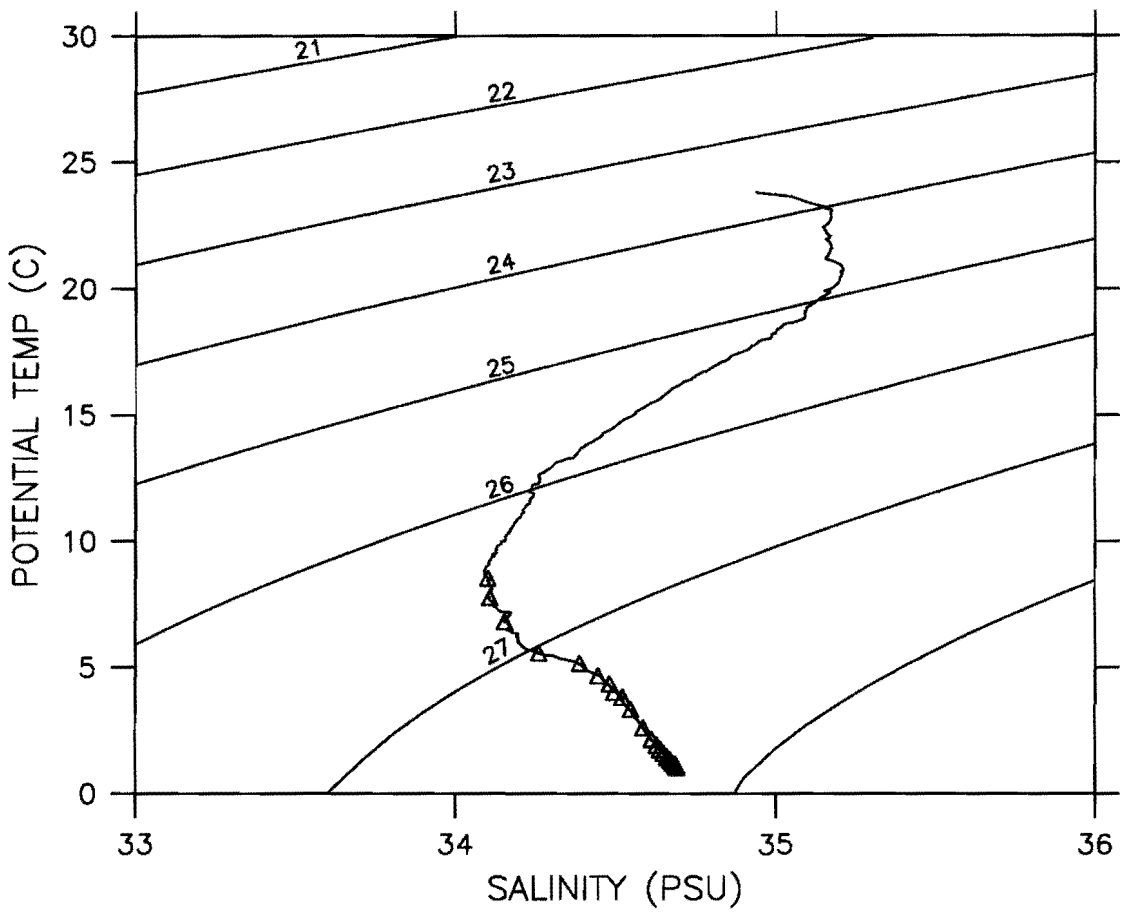


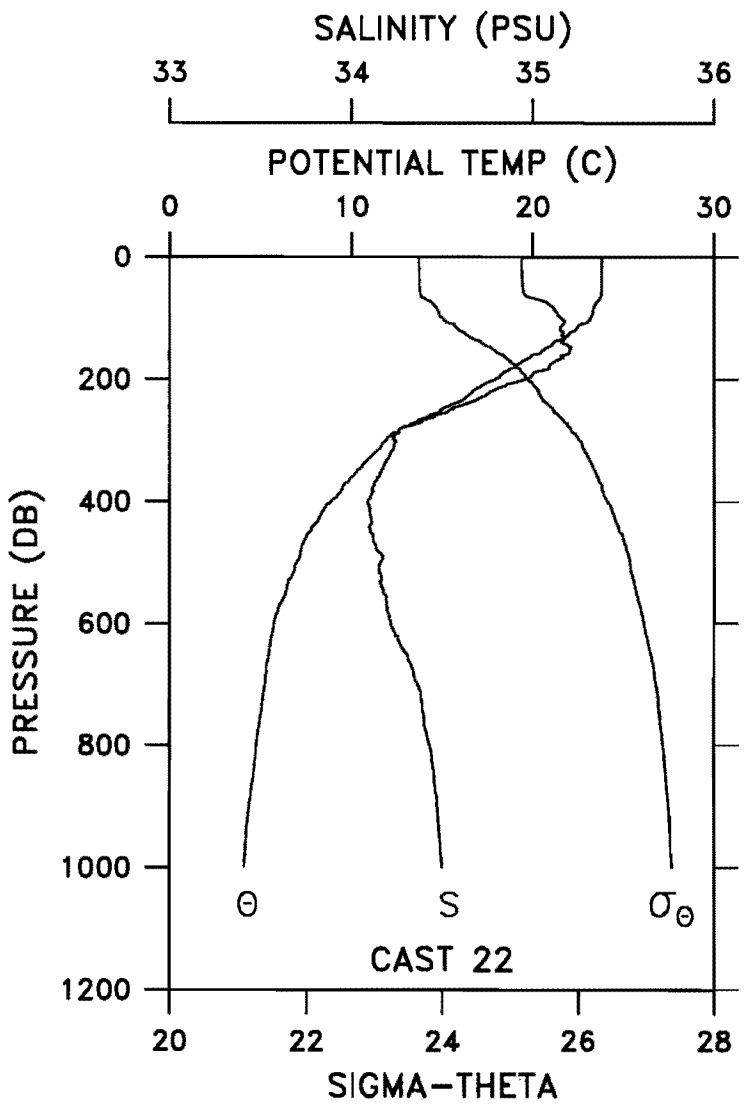
CAST CG1-91-DI -021 DATE 28 FEB 91 TIME 2010 GMT
LAT 21 20.0N LONG 152 49.6W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 300 T SPD 20 KT VISIBILITY 8
CLOUD 4 AMOUNT 6 DRY 23.3 WET 19.4 DEPTH 5255 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.790	34.931	23.653	0.000
10	23.789	34.931	23.653	0.042
20	23.784	34.932	23.655	0.085
30	23.784	34.932	23.656	0.127
40	23.779	34.932	23.657	0.170
50	23.779	34.933	23.658	0.212
60	23.778	34.933	23.658	0.255
70	23.731	34.965	23.696	0.297
80	23.574	35.067	23.819	0.338
90	23.393	35.107	23.902	0.379
100	23.200	35.104	23.956	0.419
110	22.580	35.155	24.173	0.458
120	22.151	35.162	24.300	0.495
130	21.716	35.176	24.432	0.531
140	21.103	35.159	24.588	0.566
150	20.652	35.200	24.742	0.600
160	19.962	35.164	24.898	0.631
170	19.492	35.129	24.994	0.662
180	19.057	35.085	25.073	0.692
190	18.625	35.042	25.149	0.721
200	18.129	34.976	25.223	0.750
250	14.928	34.541	25.634	0.880
300	11.495	34.222	26.080	0.989
350	10.067	34.149	26.276	1.084
356	9.896	34.142	26.300	1.094

CAST CG1-91-DI -022 DATE 28 FEB 91 TIME 2333 GMT

LAT 21 20.1N LONG 152 50.6W



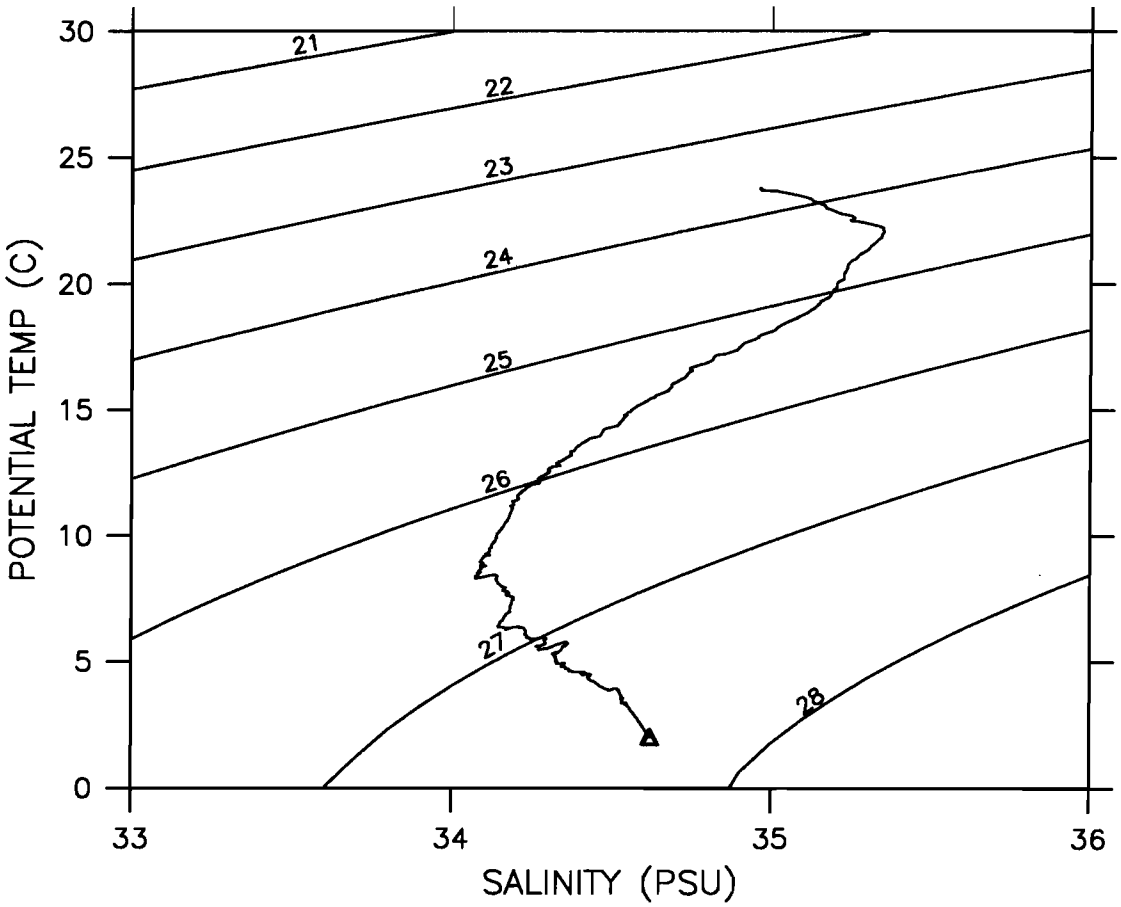


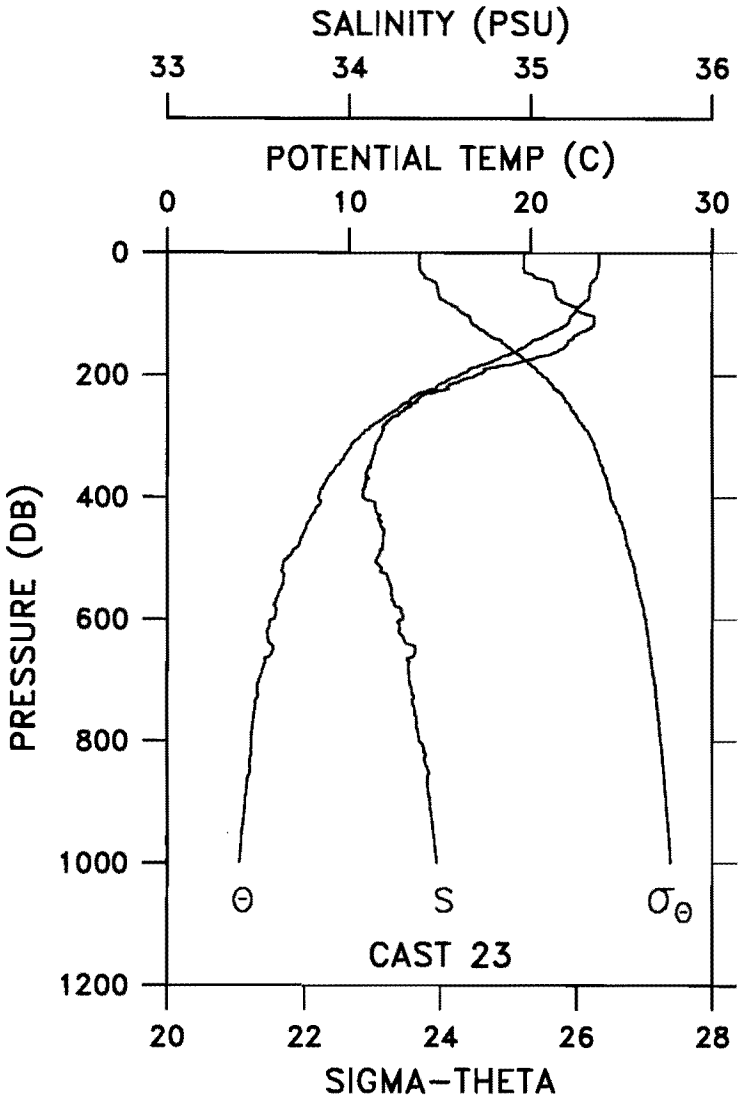
CAST CG1-91-DI -022 DATE 28 FEB 91 TIME 2333 GMT
LAT 21 20.1N LONG 152 50.6W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 310 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 23.0 WET 19.6 DEPTH 5249 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.799	34.939	23.656	0.000
10	23.797	34.940	23.657	0.042
20	23.790	34.940	23.659	0.085
30	23.772	34.940	23.665	0.127
40	23.772	34.942	23.667	0.169
50	23.770	34.946	23.670	0.212
60	23.760	34.953	23.678	0.254
70	23.639	35.039	23.779	0.296
80	23.403	35.099	23.894	0.337
90	23.307	35.126	23.942	0.377
100	23.144	35.156	24.012	0.417
110	22.606	35.165	24.173	0.456
120	22.332	35.151	24.241	0.493
130	21.829	35.168	24.395	0.529
140	21.148	35.156	24.574	0.564
150	20.675	35.202	24.737	0.598
160	19.986	35.173	24.899	0.630
170	19.458	35.124	24.999	0.660
180	19.037	35.090	25.081	0.690
190	18.336	35.003	25.192	0.719
200	17.958	34.957	25.251	0.747
250	14.907	34.541	25.639	0.877
300	11.888	34.243	26.023	0.988
350	10.316	34.164	26.245	1.086
400	8.853	34.091	26.430	1.174
450	7.720	34.103	26.611	1.252
500	6.978	34.160	26.760	1.323
550	6.338	34.176	26.859	1.388
600	5.719	34.218	26.970	1.448
650	5.444	34.307	27.074	1.504
700	5.240	34.366	27.145	1.555
750	5.008	34.398	27.197	1.604
800	4.764	34.433	27.253	1.650
900	4.379	34.470	27.325	1.737
1000	4.088	34.499	27.378	1.818
1500	2.774	34.576	27.567	2.164
2000	2.032	34.618	27.663	2.448
2500	1.632	34.646	27.716	2.698
3000	1.383	34.665	27.750	2.930
3500	1.233	34.676	27.770	3.154
4000	1.139	34.684	27.782	3.376
4500	1.087	34.687	27.788	3.602
5000	1.043	34.690	27.794	3.833
5329	1.036	34.691	27.794	3.989

CAST CG1-91-DI -023 DATE 01 MAR 91 TIME 0915 GMT

LAT 20 55.1N LONG 153 47.5W



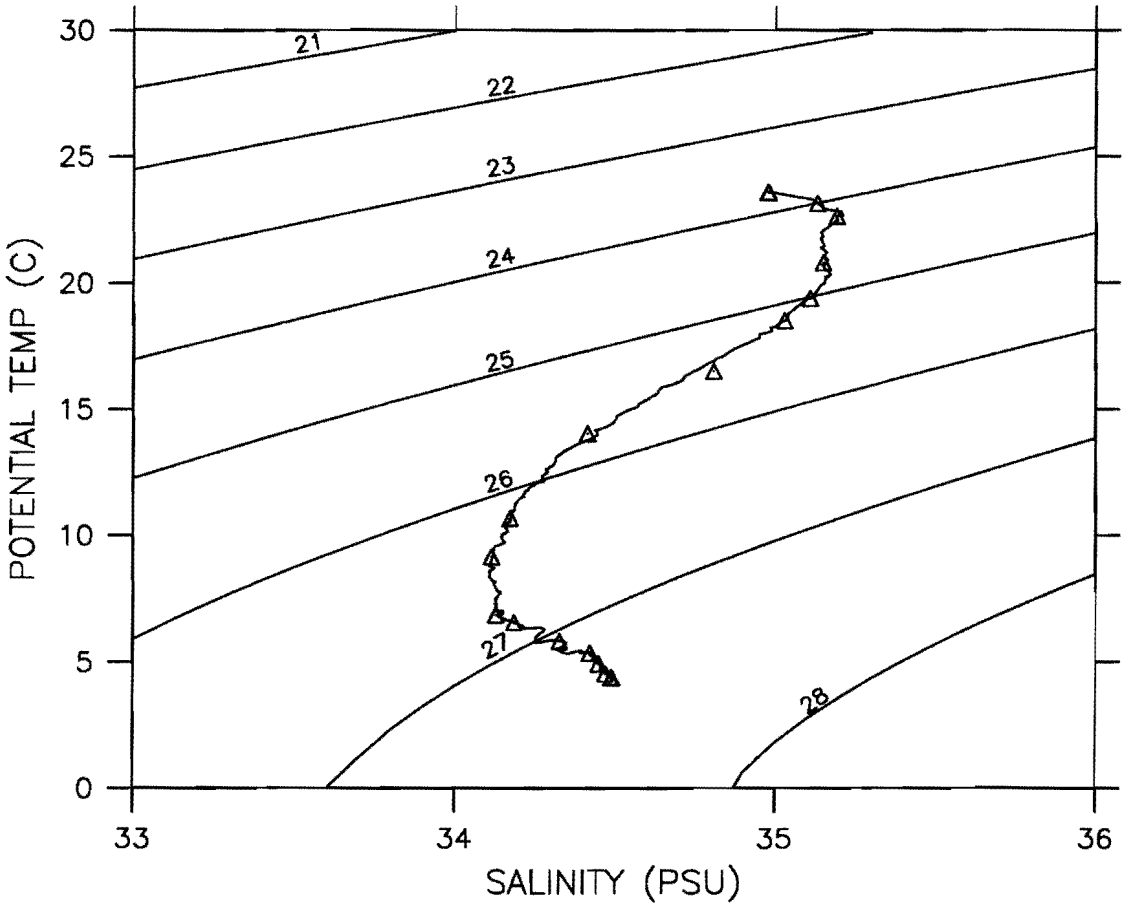


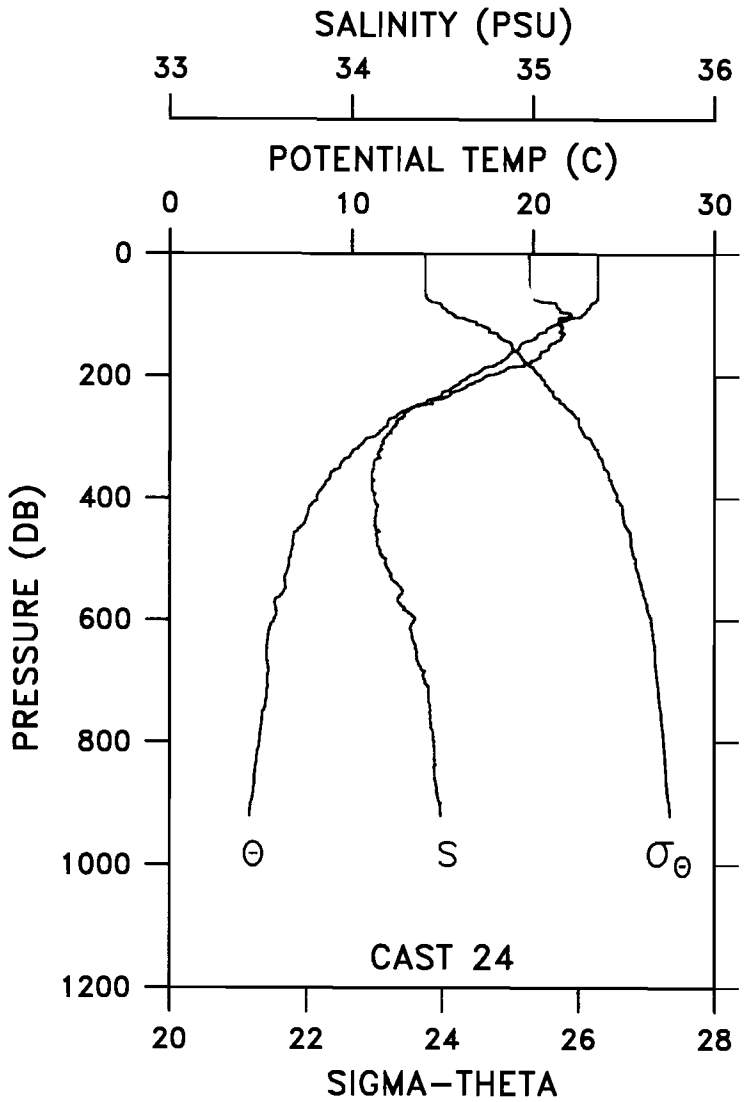
CAST CG1-91-DI -023 DATE 01 MAR 91 TIME 0915 GMT
LAT 20 55.1N LONG 153 47.5W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 260 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 21.9 WET 18.6 DEPTH 5235 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.759	34.961	23.685	0.000
10	23.760	34.964	23.686	0.042
20	23.760	34.964	23.687	0.084
30	23.694	34.965	23.707	0.126
40	23.626	35.021	23.769	0.168
50	23.298	35.124	23.943	0.208
60	23.247	35.131	23.963	0.248
70	23.209	35.139	23.980	0.288
80	22.972	35.167	24.070	0.327
90	22.552	35.255	24.257	0.365
100	22.356	35.305	24.351	0.401
110	22.134	35.348	24.446	0.437
120	21.785	35.338	24.536	0.472
130	21.154	35.274	24.662	0.505
140	20.493	35.231	24.808	0.538
150	19.819	35.201	24.964	0.569
160	19.268	35.150	25.069	0.599
170	18.399	35.036	25.202	0.628
180	17.688	34.923	25.291	0.656
190	16.651	34.742	25.399	0.682
200	16.070	34.700	25.502	0.708
250	12.826	34.331	25.910	0.825
300	10.600	34.172	26.202	0.926
350	9.231	34.113	26.387	1.015
400	8.294	34.076	26.504	1.097
450	7.604	34.178	26.686	1.172
500	6.581	34.152	26.808	1.241
550	6.211	34.233	26.920	1.303
600	5.714	34.295	27.031	1.361
650	5.777	34.360	27.075	1.415
700	4.999	34.326	27.142	1.467
750	4.765	34.358	27.193	1.515
800	4.587	34.383	27.233	1.562
900	4.229	34.442	27.318	1.649
1000	3.923	34.482	27.382	1.730
1500	2.800	34.579	27.567	2.078
1994	2.024	34.622	27.667	2.357

CAST CG2-91-DI -024 DATE 08 MAR 91 TIME 0402 GMT

LAT 19 53.3N LONG 154 55.3W



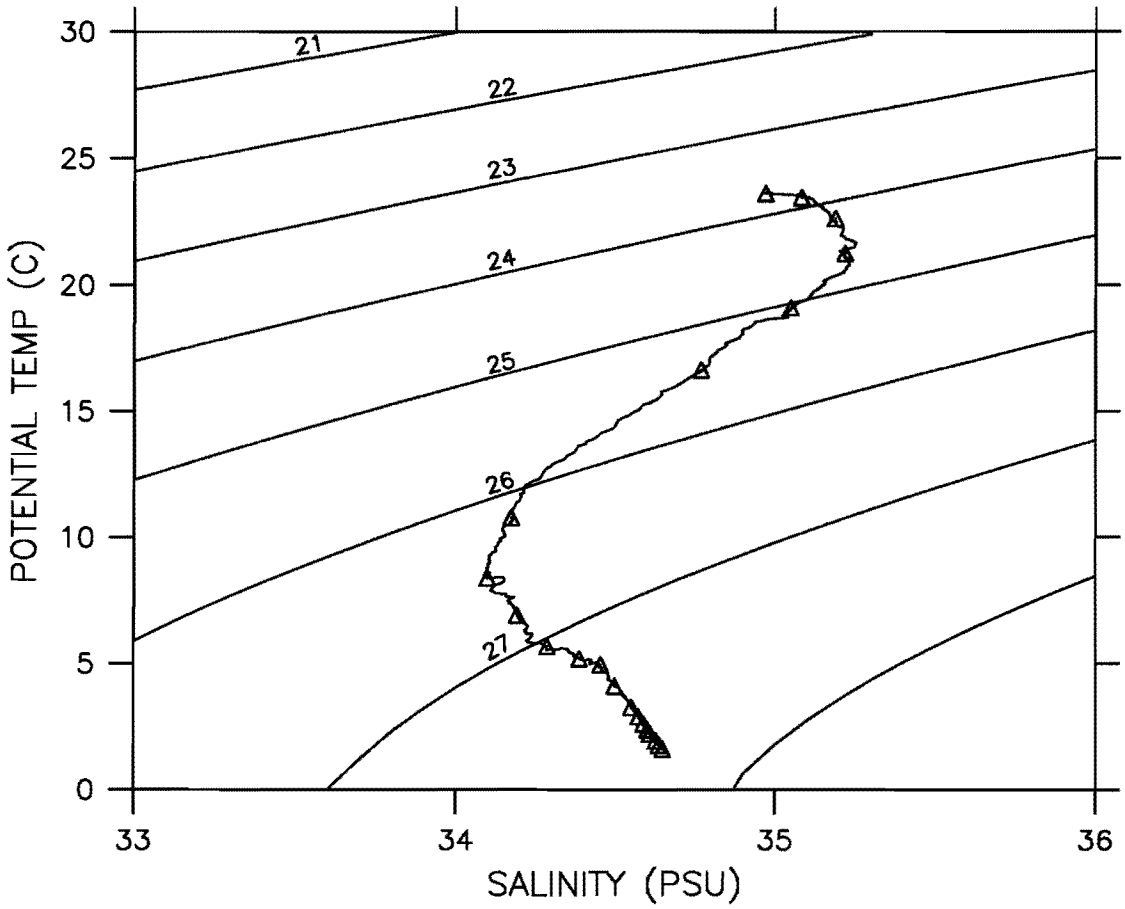


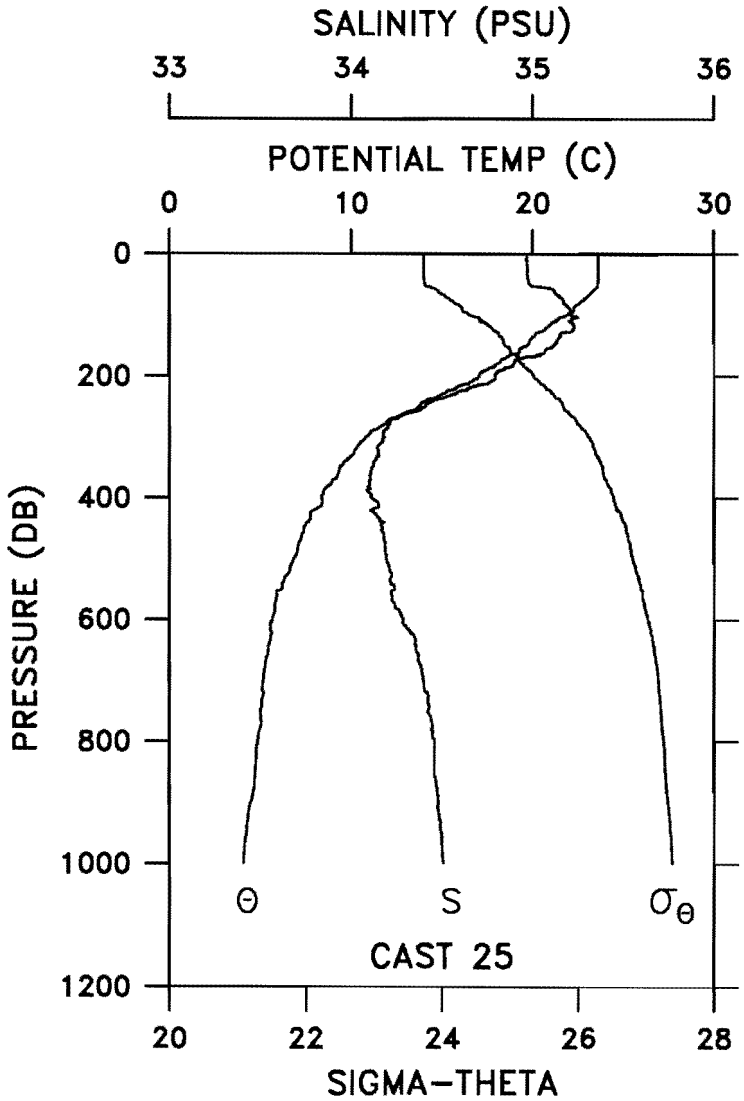
CAST CG2-91-DI -024 DATE 08 MAR 91 TIME 0402 GMT
LAT 19 53.3N LONG 154 55.3W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 040 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 21.7 WET 18.1 DEPTH 0962 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.581	34.975	23.748	0.000
10	23.588	34.980	23.749	0.041
20	23.593	34.980	23.748	0.083
30	23.595	34.981	23.748	0.124
40	23.596	34.981	23.747	0.166
50	23.596	34.981	23.748	0.208
60	23.585	34.984	23.753	0.249
70	23.573	34.987	23.759	0.291
80	23.277	35.118	23.944	0.332
90	23.027	35.142	24.035	0.372
100	22.681	35.212	24.187	0.410
110	21.608	35.147	24.440	0.447
120	20.913	35.164	24.644	0.481
130	20.329	35.172	24.807	0.514
140	19.961	35.153	24.890	0.545
150	19.285	35.089	25.017	0.576
160	18.802	35.044	25.106	0.605
170	18.546	35.038	25.166	0.634
180	17.980	34.955	25.243	0.663
190	17.179	34.845	25.354	0.690
200	16.475	34.742	25.441	0.716
250	13.352	34.345	25.815	0.838
300	11.010	34.189	26.142	0.942
350	9.305	34.120	26.380	1.032
400	8.088	34.123	26.572	1.112
450	7.066	34.130	26.724	1.185
500	6.533	34.186	26.841	1.251
550	6.303	34.277	26.943	1.313
600	5.699	34.346	27.074	1.369
650	5.314	34.357	27.129	1.421
700	5.344	34.404	27.162	1.471
750	5.087	34.435	27.217	1.519
800	4.906	34.456	27.255	1.565
900	4.430	34.492	27.337	1.653
921	4.367	34.492	27.343	1.670

CAST CG2-91-DI -025 DATE 08 MAR 91 TIME 0831 GMT

LAT 20 04.0N LONG 154 40.5W



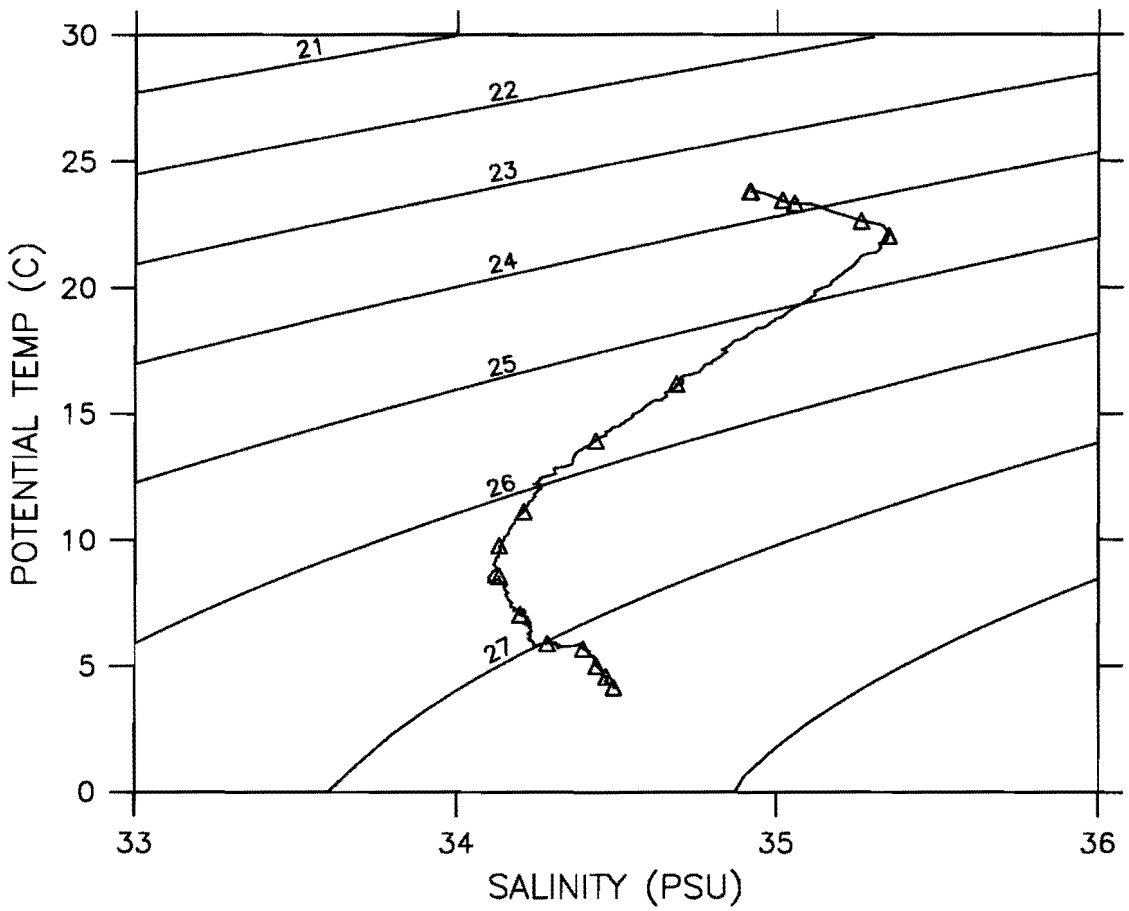


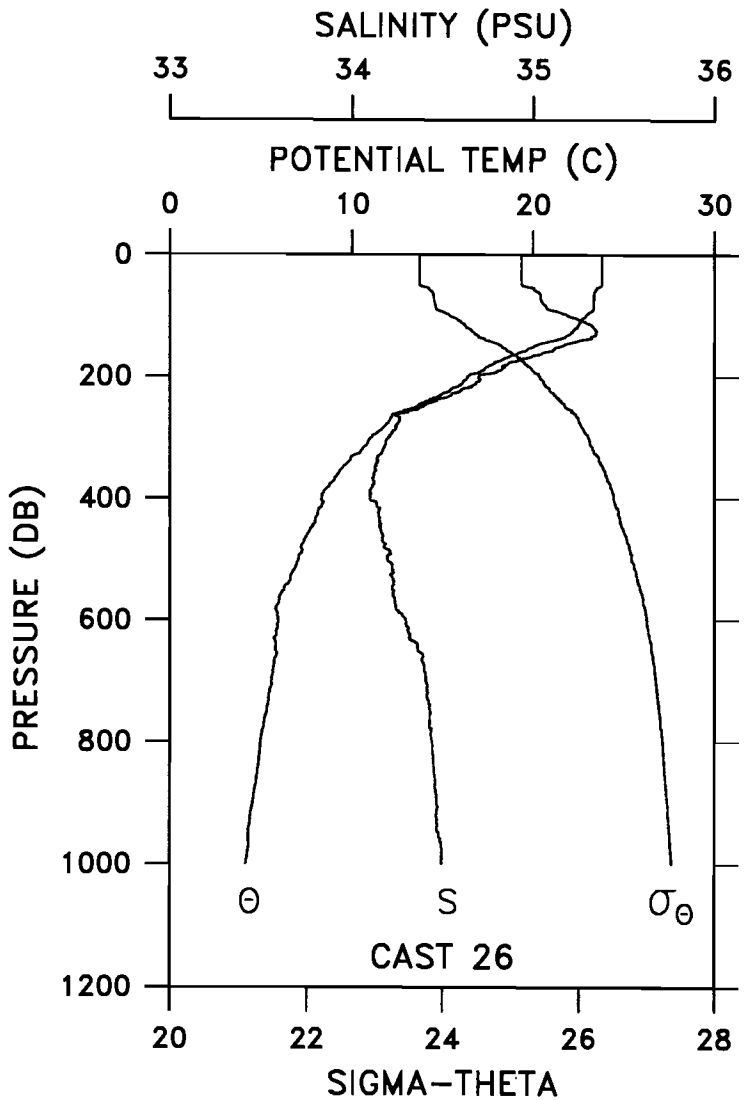
CAST CG2-91-DI -025 DATE 08 MAR 91 TIME 0831 GMT
LAT 20 04.0N LONG 154 40.5W WEATHER 1 SEA STATE 4
BAROMETER 19 WIND DIR 040 T SPD 17 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 27.8 WET 18.8 DEPTH 2531 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.617	34.972	23.735	0.000
10	23.625	34.969	23.730	0.042
20	23.623	34.969	23.731	0.083
30	23.625	34.972	23.732	0.125
40	23.623	34.974	23.735	0.167
50	23.599	34.989	23.753	0.208
60	23.293	35.121	23.942	0.249
70	23.005	35.146	24.045	0.288
80	22.557	35.172	24.193	0.327
90	22.275	35.205	24.297	0.363
100	21.912	35.211	24.404	0.400
110	21.329	35.199	24.557	0.434
120	20.804	35.232	24.725	0.467
130	20.174	35.152	24.833	0.499
140	19.881	35.137	24.899	0.531
150	19.690	35.115	24.932	0.562
160	19.260	35.068	25.008	0.592
170	18.539	34.951	25.101	0.621
180	18.046	34.898	25.184	0.650
190	17.435	34.827	25.278	0.678
200	17.062	34.794	25.343	0.705
250	13.713	34.407	25.789	0.828
300	10.799	34.184	26.177	0.933
350	9.380	34.115	26.364	1.023
400	8.359	34.110	26.521	1.106
450	7.384	34.171	26.712	1.181
500	6.828	34.194	26.808	1.249
550	6.162	34.238	26.930	1.311
600	5.658	34.286	27.031	1.368
650	5.415	34.358	27.117	1.421
700	5.132	34.398	27.182	1.470
750	4.975	34.420	27.219	1.518
800	4.825	34.457	27.265	1.563
900	4.454	34.480	27.324	1.651
1000	4.065	34.507	27.388	1.731
1500	2.754	34.583	27.575	2.074
2000	2.062	34.620	27.663	2.358
2500	1.615	34.651	27.721	2.606
2519	1.610	34.651	27.722	2.615

CAST CG2-91-DI -026 DATE 08 MAR 91 TIME 1448 GMT

LAT 20 22.0N LONG 154 14.1W



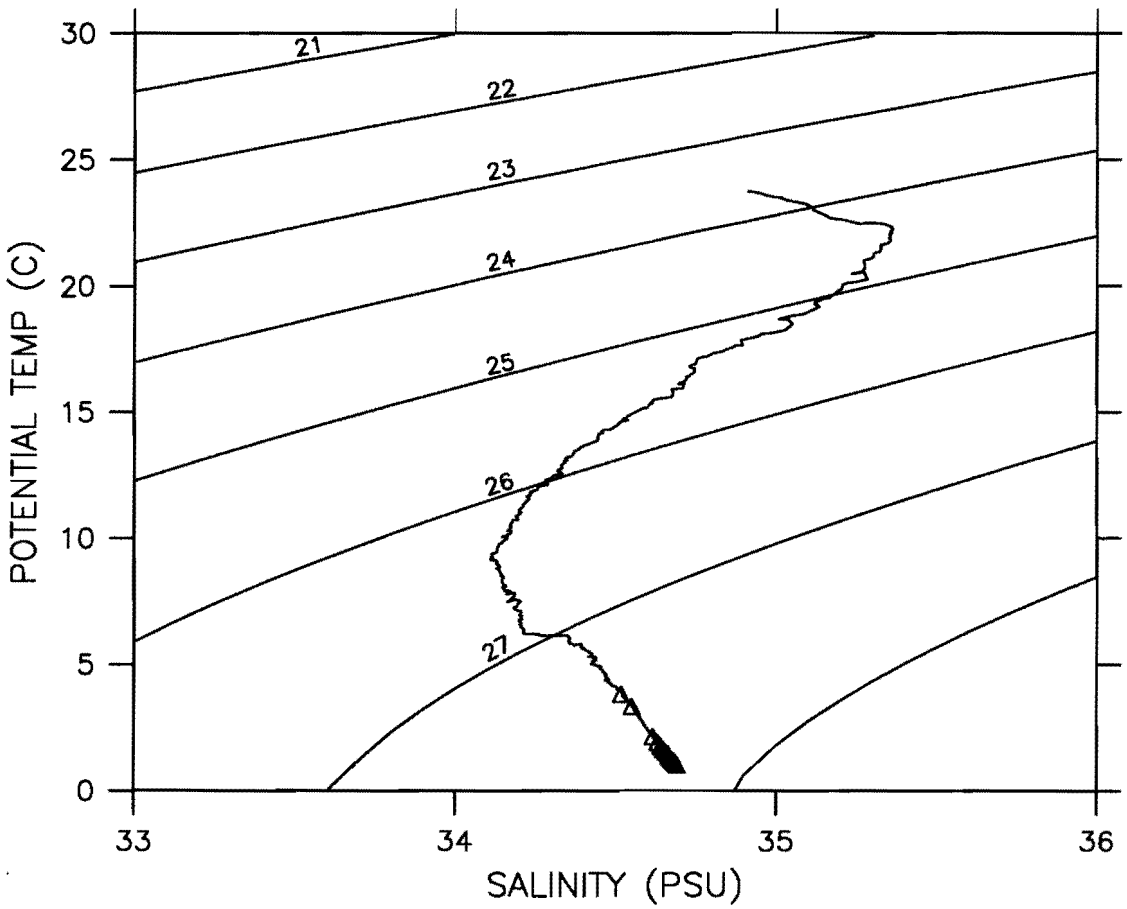


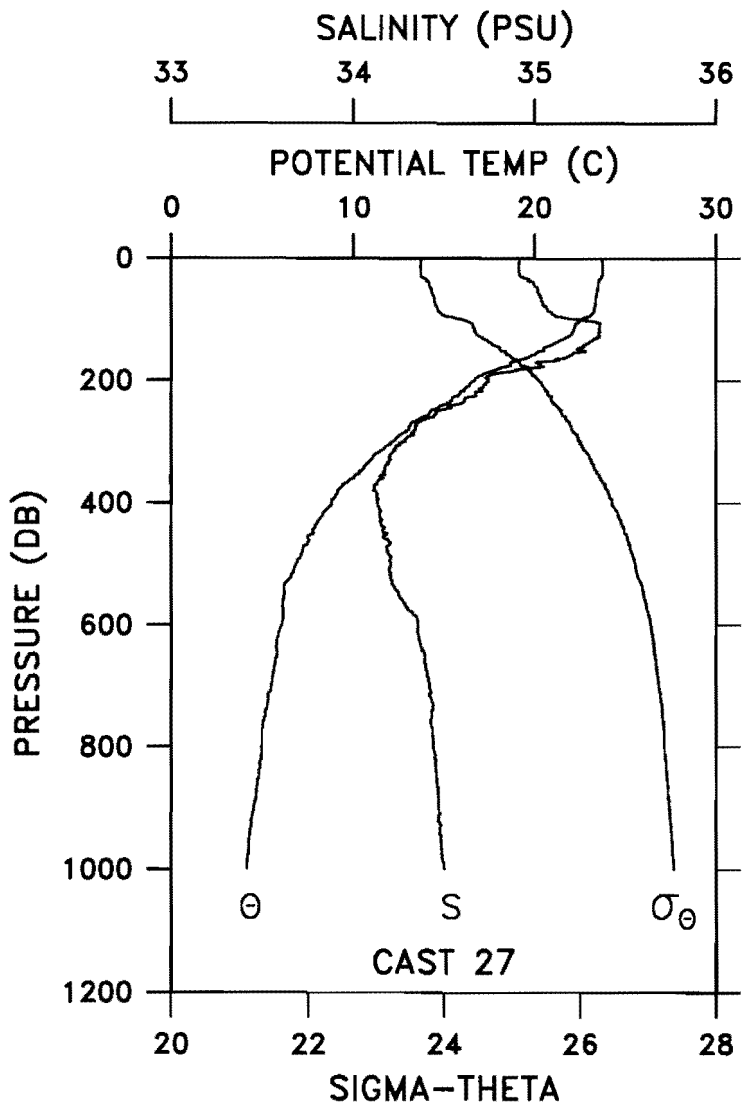
CAST CG2-91-DI -026 DATE 08 MAR 91 TIME 1448 GMT
LAT 20 22.0N LONG 154 14.1W WEATHER 2 SEA STATE 4
BAROMETER 02 WIND DIR 050 T SPD 24 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 20.7 WET 19.7 DEPTH 5369 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.785	34.935	23.657	0.000
10	23.789	34.935	23.656	0.042
20	23.791	34.935	23.655	0.085
30	23.789	34.934	23.656	0.127
40	23.795	34.934	23.653	0.170
50	23.785	34.938	23.659	0.212
60	23.413	35.017	23.829	0.253
70	23.339	35.040	23.868	0.294
80	23.326	35.053	23.881	0.335
90	23.313	35.084	23.909	0.375
100	22.917	35.190	24.103	0.414
110	22.582	35.284	24.270	0.452
120	22.404	35.331	24.357	0.488
130	22.008	35.343	24.478	0.524
140	21.246	35.261	24.627	0.558
150	20.028	35.155	24.874	0.590
160	19.285	35.067	25.000	0.621
170	18.401	34.956	25.140	0.651
180	17.741	34.858	25.228	0.679
190	17.176	34.813	25.330	0.706
200	16.375	34.698	25.430	0.733
250	13.533	34.381	25.806	0.855
300	11.042	34.203	26.148	0.958
350	9.475	34.128	26.359	1.050
400	8.338	34.098	26.515	1.132
450	7.695	34.159	26.658	1.208
500	7.035	34.196	26.780	1.277
550	6.263	34.227	26.909	1.341
600	5.929	34.297	27.006	1.399
650	5.780	34.366	27.079	1.453
700	5.551	34.409	27.141	1.505
750	5.309	34.432	27.189	1.554
800	4.963	34.443	27.238	1.601
900	4.523	34.468	27.307	1.690
1000	4.147	34.496	27.370	1.773
1006	4.140	34.497	27.371	1.778

CAST CG2-91-DI -027 DATE 08 MAR 91 TIME 1948 GMT

LAT 20 23.8N LONG 154 14.2W



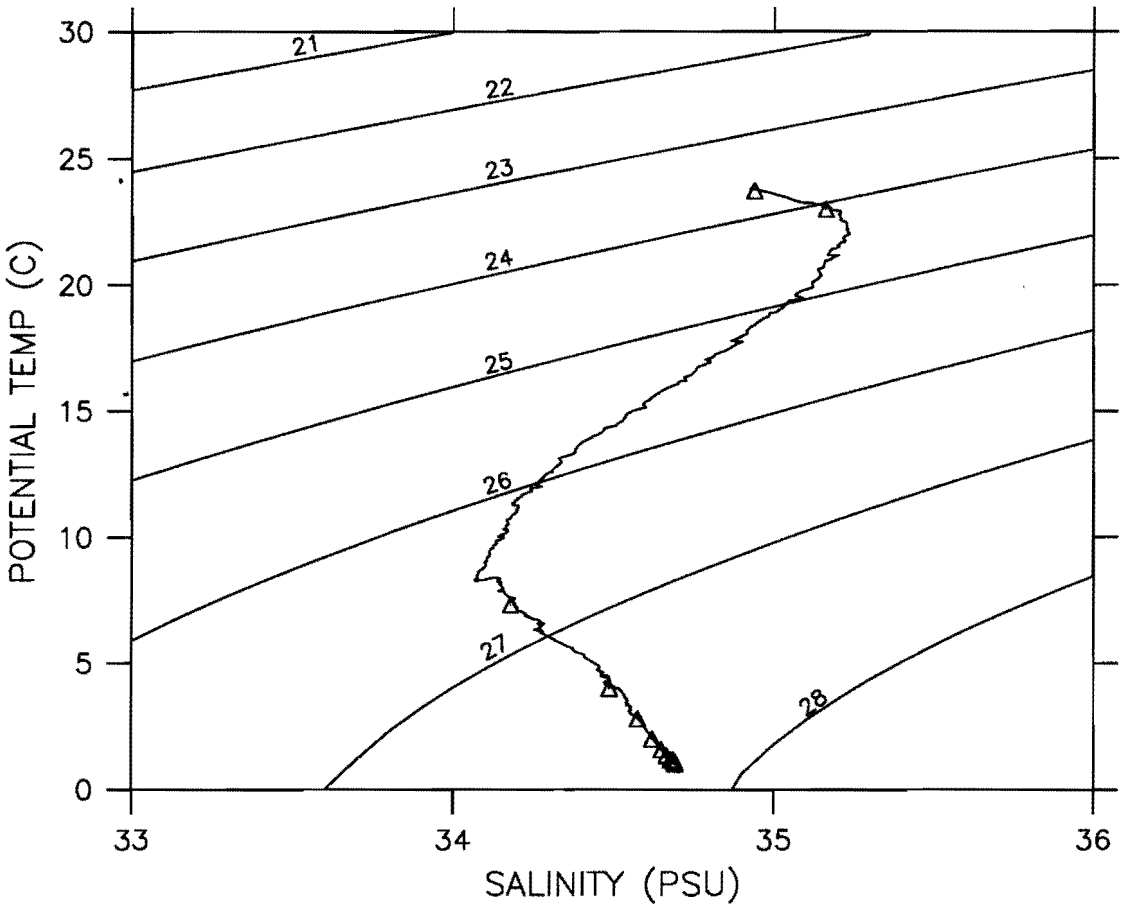


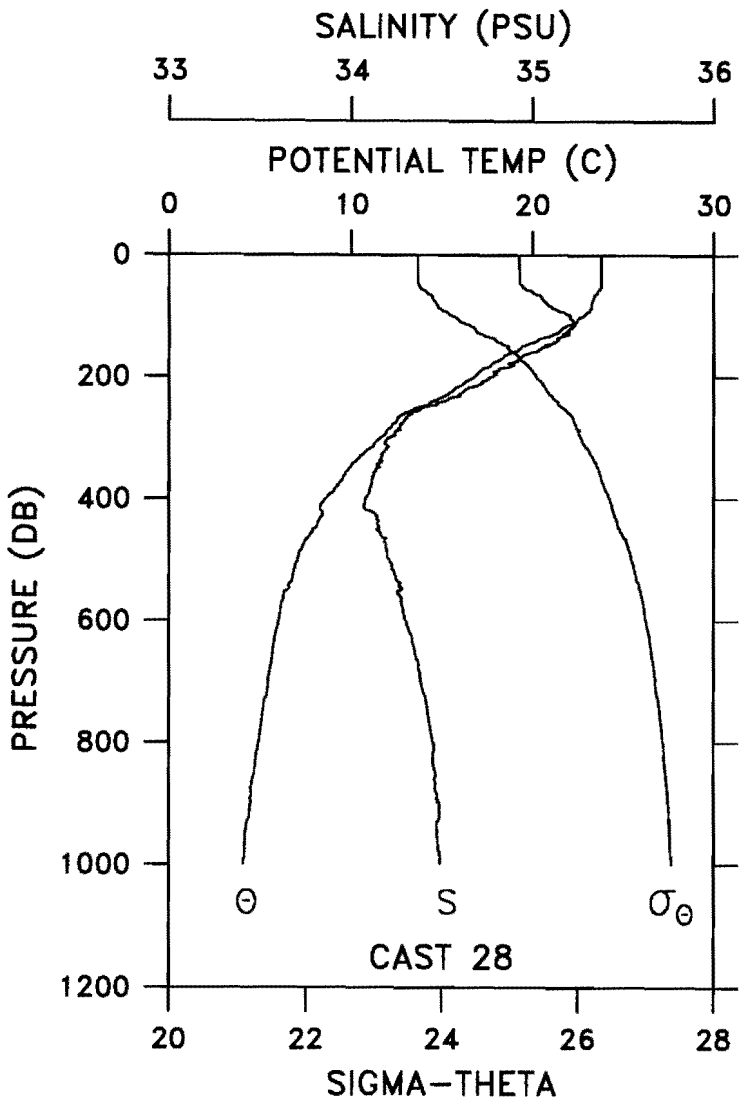
CAST CG2-91-DI -027 DATE 08 MAR 91 TIME 1948 GMT
LAT 20 23.8N LONG 154 14.2W WEATHER 1 SEA STATE 4
BAROMETER 17 WIND DIR 045 T SPD 20 KT VISIBILITY 8
CLOUD 6 AMOUNT 3 DRY 21.1 WET 19.8 DEPTH 5455 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.726	34.914	23.659	0.000
10	23.736	34.913	23.655	0.042
20	23.737	34.913	23.654	0.085
30	23.724	34.923	23.666	0.127
40	23.504	34.993	23.783	0.169
50	23.473	35.018	23.811	0.210
60	23.412	35.029	23.838	0.251
70	23.355	35.040	23.863	0.292
80	23.295	35.066	23.900	0.332
90	23.176	35.097	23.958	0.372
100	22.448	35.259	24.289	0.411
110	22.232	35.358	24.426	0.447
120	22.095	35.360	24.466	0.482
130	21.675	35.344	24.572	0.517
140	21.029	35.282	24.702	0.550
150	20.502	35.260	24.828	0.583
160	19.766	35.188	24.968	0.614
170	18.674	35.007	25.110	0.643
180	18.088	34.951	25.214	0.672
190	17.171	34.765	25.294	0.700
200	16.694	34.744	25.391	0.726
250	14.278	34.462	25.713	0.851
300	12.094	34.289	26.019	0.961
350	10.323	34.167	26.246	1.059
400	8.793	34.132	26.472	1.145
450	7.813	34.187	26.663	1.221
500	6.851	34.205	26.813	1.290
550	6.196	34.248	26.933	1.352
600	6.044	34.354	27.037	1.409
650	5.781	34.393	27.101	1.462
700	5.460	34.418	27.160	1.513
750	5.128	34.433	27.211	1.561
800	4.944	34.442	27.240	1.607
900	4.514	34.471	27.311	1.696
1000	4.125	34.502	27.377	1.778
1500	2.861	34.577	27.560	2.129
2000	2.022	34.625	27.669	2.412
2500	1.626	34.652	27.721	2.658
3000	1.403	34.665	27.748	2.889
3500	1.250	34.677	27.768	3.114
4000	1.145	34.684	27.782	3.337
4500	1.102	34.688	27.788	3.563
5000	1.053	34.691	27.794	3.795
5215	1.027	34.693	27.797	3.897

CAST CG2-91-DI -028 DATE 09 MAR 91 TIME 0411 GMT

LAT 20 42.4N LONG 153 46.0W



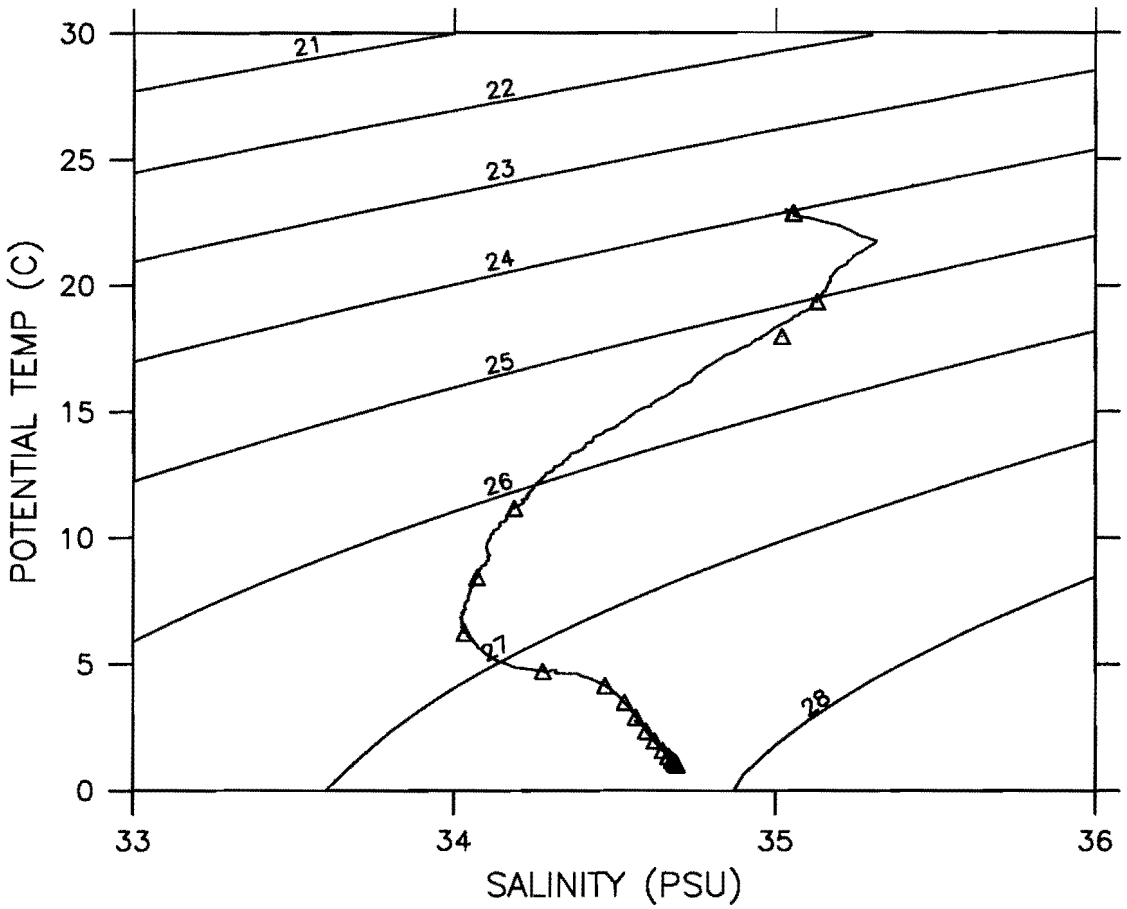


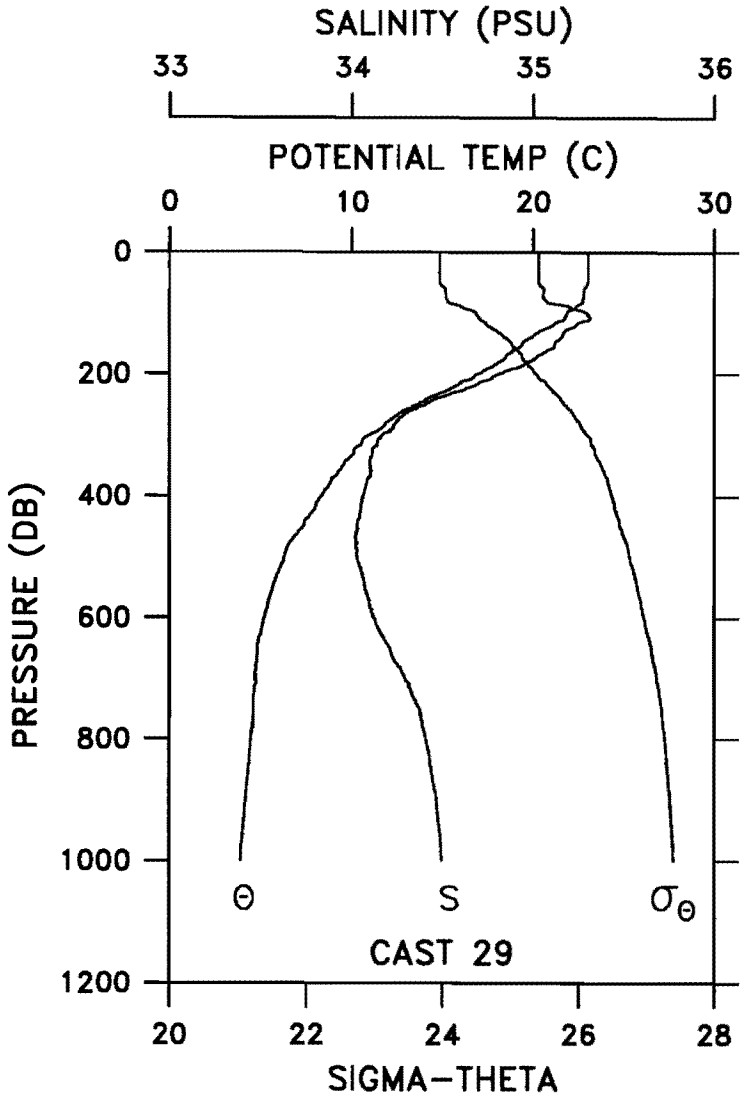
CAST CG2-91-DI -028 DATE 09 MAR 91 TIME 0411 GMT
LAT 20 42.4N LONG 153 46.0W WEATHER 5 SEA STATE 5
BAROMETER 14 WIND DIR 080 T SPD 30 KT VISIBILITY 6
CLOUD 6 AMOUNT 7 DRY 21.3 WET 20.2 DEPTH 5064 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.802	34.927	23.646	0.000
10	23.802	34.927	23.646	0.042
20	23.802	34.927	23.646	0.085
30	23.801	34.928	23.648	0.127
40	23.801	34.927	23.647	0.170
50	23.773	34.942	23.666	0.212
60	23.588	34.998	23.763	0.254
70	23.384	35.051	23.863	0.295
80	23.269	35.082	23.920	0.336
90	23.169	35.138	23.991	0.376
100	22.780	35.204	24.153	0.414
110	22.367	35.228	24.290	0.452
120	21.657	35.209	24.474	0.487
130	21.165	35.204	24.606	0.522
140	20.262	35.141	24.801	0.555
150	19.399	35.070	24.974	0.586
160	18.867	34.988	25.047	0.616
170	18.305	34.927	25.142	0.645
180	17.721	34.902	25.266	0.673
190	17.139	34.810	25.336	0.700
200	16.793	34.772	25.389	0.727
250	13.754	34.401	25.776	0.851
300	11.616	34.212	26.050	0.957
350	9.878	34.140	26.301	1.052
400	8.540	34.079	26.470	1.138
450	7.863	34.141	26.620	1.216
500	7.047	34.213	26.792	1.286
550	6.400	34.270	26.925	1.349
600	6.020	34.302	26.999	1.407
650	5.686	34.353	27.081	1.462
700	5.431	34.385	27.137	1.514
750	5.142	34.423	27.201	1.562
800	4.913	34.453	27.252	1.609
900	4.480	34.487	27.327	1.696
1000	4.062	34.491	27.375	1.777
1500	2.866	34.574	27.558	2.130
2000	2.040	34.621	27.665	2.414
2500	1.590	34.650	27.723	2.660
3000	1.343	34.668	27.755	2.887
3500	1.204	34.679	27.774	3.107
4000	1.126	34.686	27.784	3.326
4500	1.083	34.689	27.790	3.550
5000	1.030	34.693	27.796	3.780
5075	1.020	34.694	27.798	3.814

CAST CG2-91-DI -029 DATE 10 MAR 91 TIME 0521 GMT

LAT 21 36.8N LONG 152 26.2W



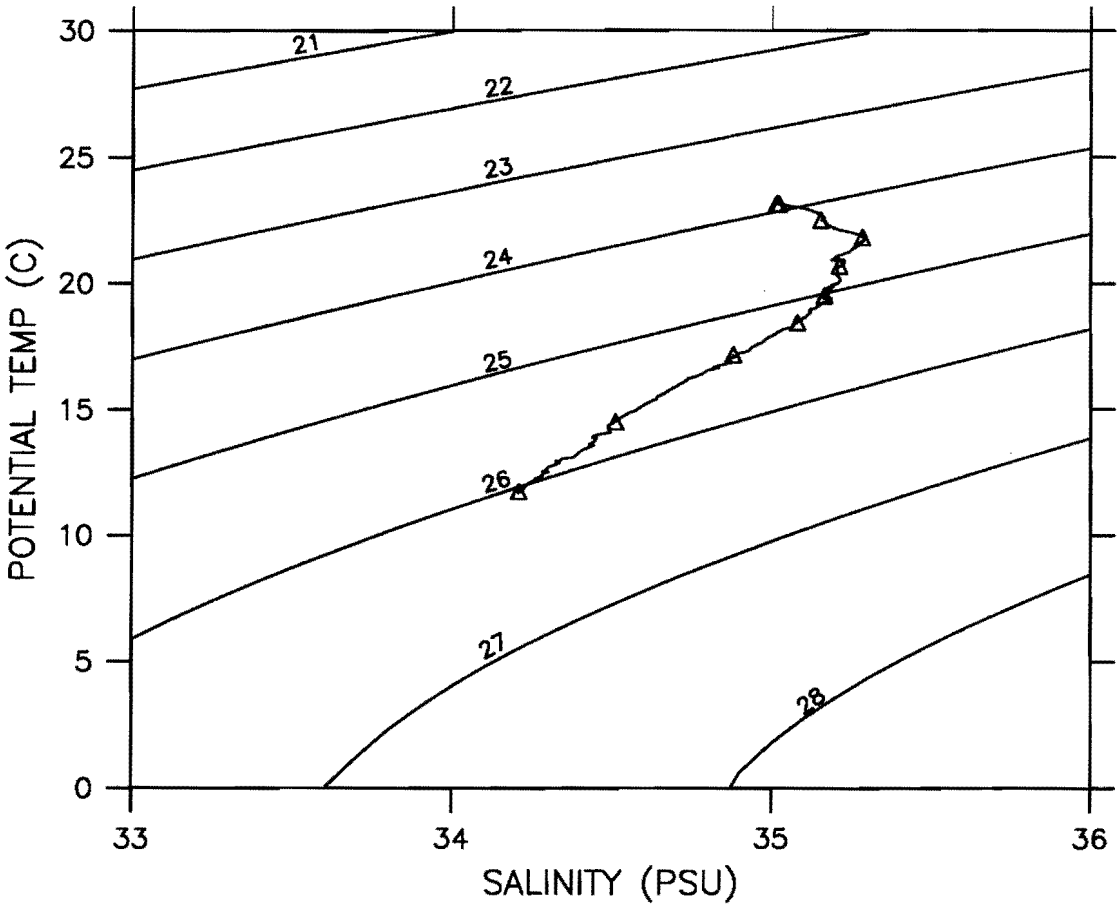


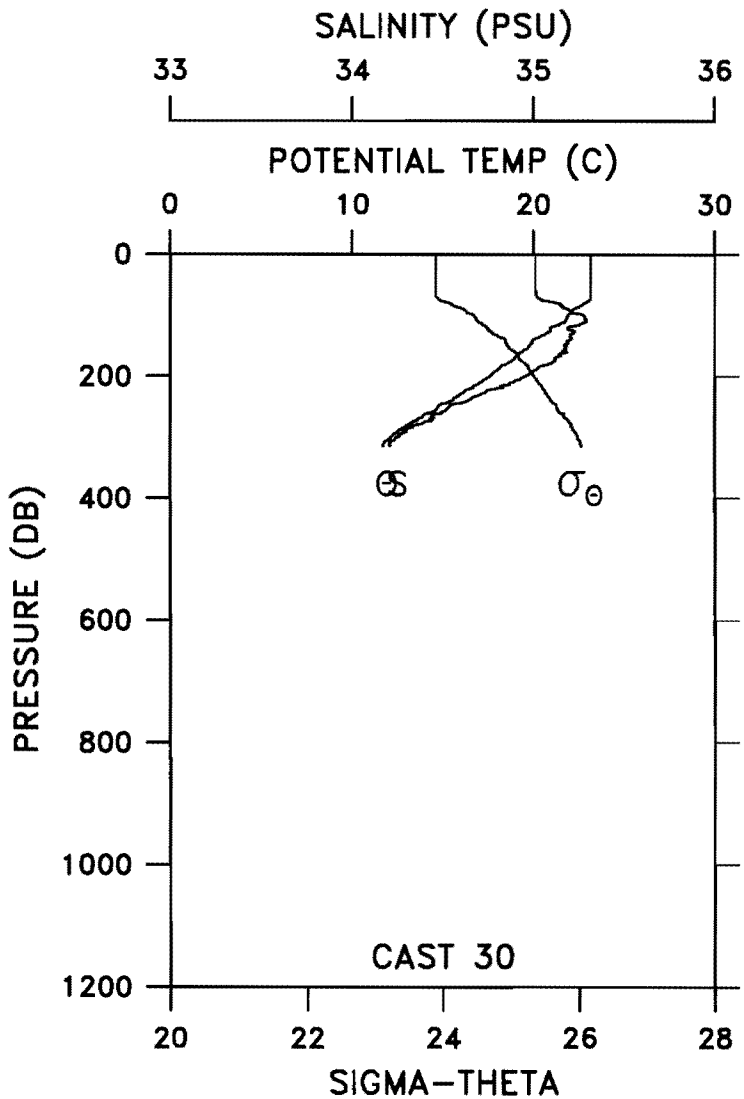
CAST CG2-91-DI -029 DATE 10 MAR 91 TIME 0521 GMT
LAT 21 36.8N LONG 152 26.2W WEATHER 1 SEA STATE 8
BAROMETER 17 WIND DIR 065 T SPD 25 KT VISIBILITY 9
CLOUD 3 AMOUNT 1 DRY 21.0 WET 17.9 DEPTH 5339 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.005	35.030	23.956	0.000
10	23.011	35.030	23.955	0.039
20	23.010	35.030	23.955	0.079
30	23.013	35.030	23.954	0.119
40	23.012	35.030	23.954	0.158
50	23.003	35.031	23.958	0.198
60	22.822	35.058	24.031	0.237
70	22.769	35.056	24.044	0.276
80	22.714	35.072	24.072	0.315
90	22.338	35.203	24.278	0.353
100	21.843	35.294	24.487	0.388
110	21.667	35.310	24.547	0.423
120	21.071	35.238	24.657	0.457
130	20.331	35.169	24.804	0.489
140	19.889	35.157	24.912	0.521
150	19.387	35.121	25.016	0.551
160	18.939	35.082	25.101	0.580
170	18.499	35.024	25.167	0.609
180	18.053	34.970	25.237	0.638
190	17.560	34.901	25.305	0.665
200	16.935	34.807	25.383	0.692
250	13.640	34.408	25.805	0.814
300	10.949	34.170	26.139	0.919
350	9.492	34.105	26.338	1.011
400	8.290	34.065	26.496	1.095
450	7.336	34.034	26.611	1.172
500	6.280	34.033	26.753	1.243
550	5.657	34.075	26.865	1.308
600	5.204	34.123	26.956	1.368
650	4.824	34.213	27.072	1.423
700	4.703	34.297	27.152	1.474
750	4.613	34.376	27.224	1.522
800	4.470	34.409	27.267	1.567
900	4.173	34.467	27.344	1.652
1000	3.893	34.496	27.396	1.731
1500	2.732	34.576	27.571	2.072
2000	1.951	34.624	27.674	2.348
2500	1.588	34.650	27.723	2.591
3000	1.344	34.669	27.756	2.819
3500	1.204	34.681	27.775	3.039
4000	1.126	34.686	27.785	3.259
4500	1.071	34.691	27.792	3.482
5000	1.033	34.692	27.796	3.711
5384	1.019	34.694	27.798	3.893

CAST CG2-91-DI -030 DATE 10 MAR 91 TIME 1310 GMT

LAT 21 54.9N LONG 152 00.2W



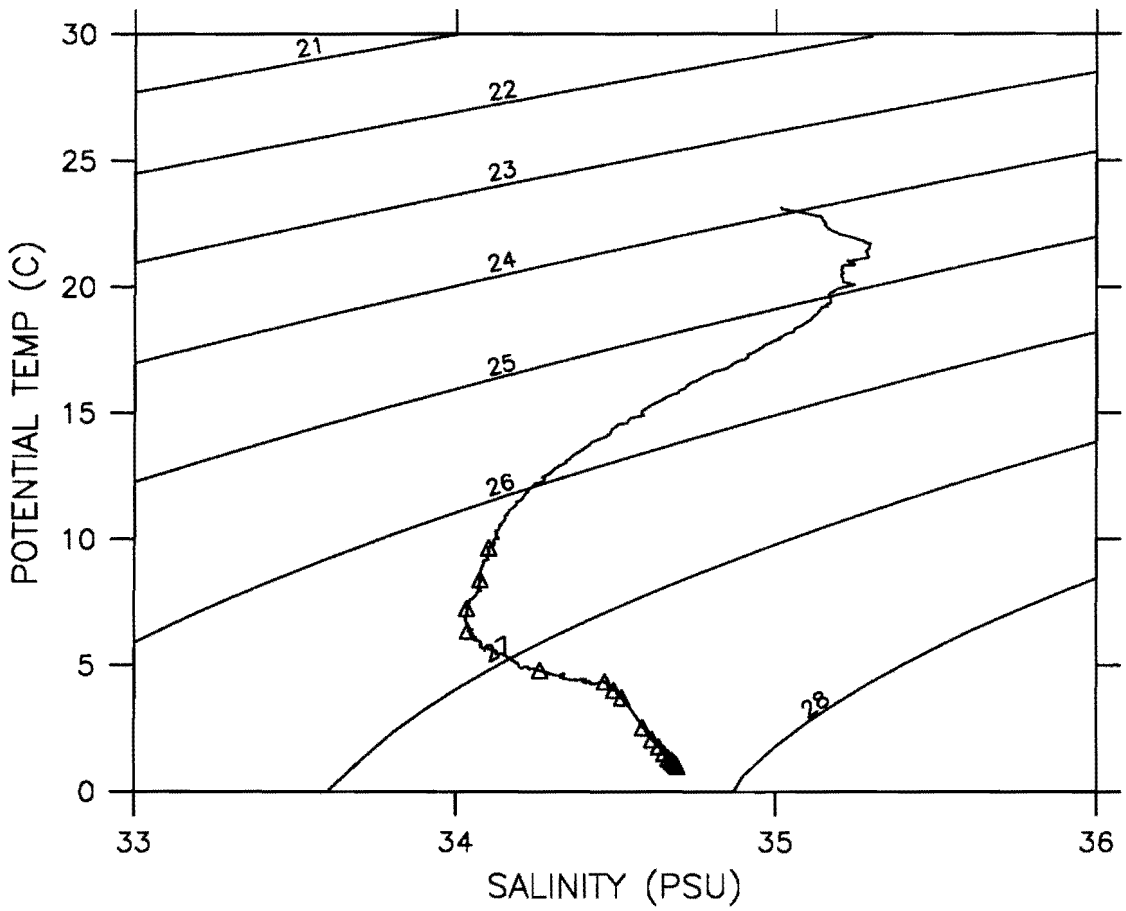


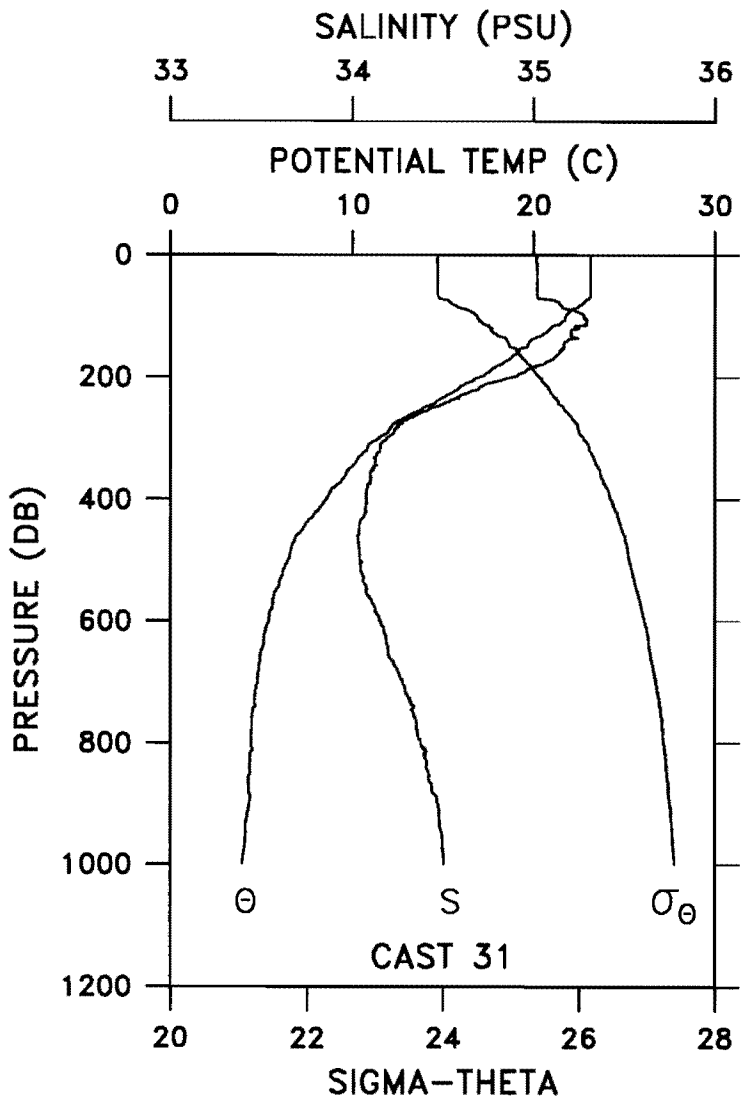
CAST CG2-91-DI -030 DATE 10 MAR 91 TIME 1310 GMT
LAT 21 54.9N LONG 152 00.2W WEATHER 1 SEA STATE 5
BAROMETER 18 WIND DIR 075 T SPD 23 KT VISIBILITY 8
CLOUD 0 AMOUNT 6 DRY 19.8 WET 17.8 DEPTH 5691 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.153	35.012	23.900	0.000
10	23.155	35.012	23.900	0.040
20	23.164	35.012	23.897	0.080
30	23.162	35.013	23.898	0.120
40	23.159	35.012	23.899	0.160
50	23.159	35.013	23.899	0.200
60	23.158	35.013	23.899	0.241
70	23.147	35.021	23.908	0.281
80	22.851	35.128	24.075	0.320
90	22.192	35.194	24.313	0.358
100	21.898	35.277	24.458	0.394
110	21.756	35.292	24.510	0.429
120	20.936	35.188	24.656	0.463
130	20.674	35.214	24.746	0.496
140	19.986	35.202	24.920	0.527
150	19.809	35.181	24.952	0.558
160	19.403	35.187	25.061	0.588
170	18.976	35.119	25.120	0.617
180	18.508	35.082	25.210	0.646
190	17.990	35.010	25.283	0.674
200	17.596	34.956	25.338	0.701
250	14.722	34.532	25.673	0.828
300	12.117	34.246	25.982	0.940
315	11.696	34.207	26.031	0.971

CAST CG2-91-DI -031 DATE 10 MAR 91 TIME 1647 GMT

LAT 21 55.0N LONG 152 00.0W



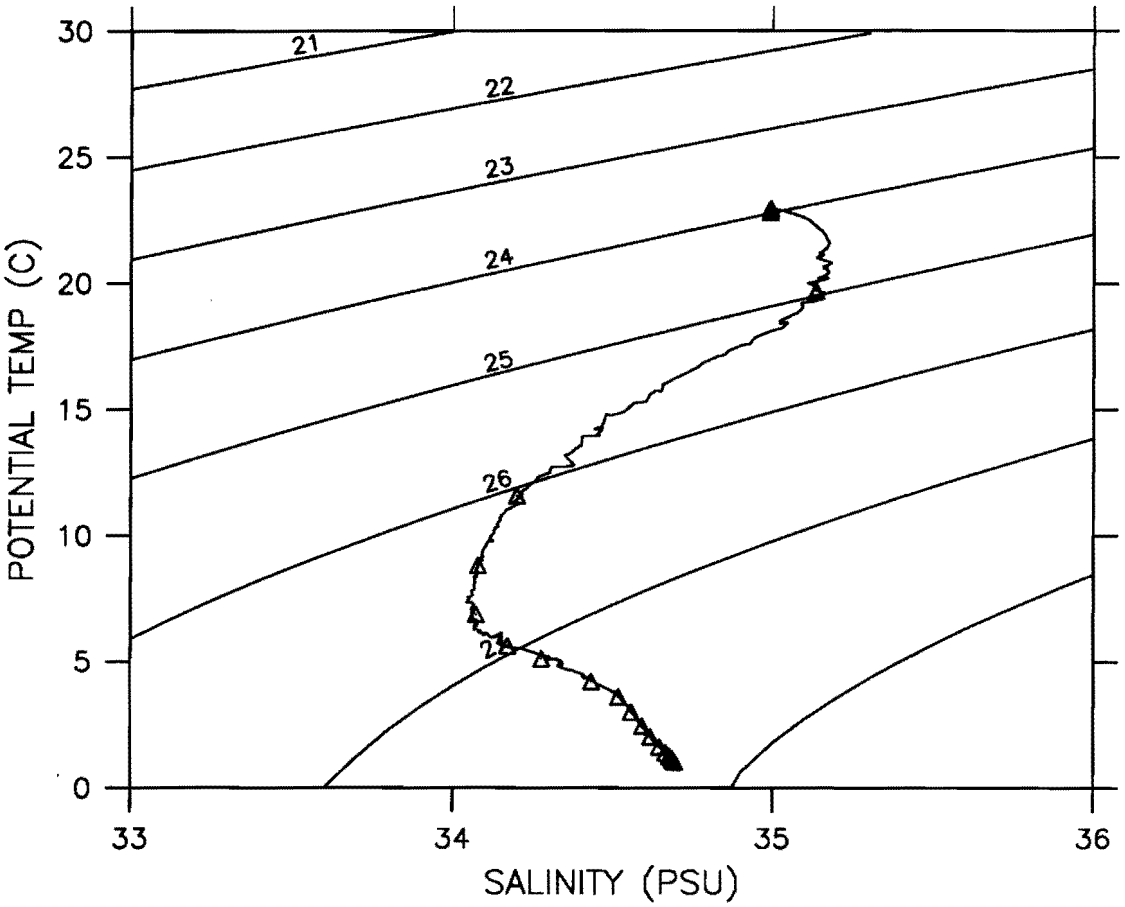


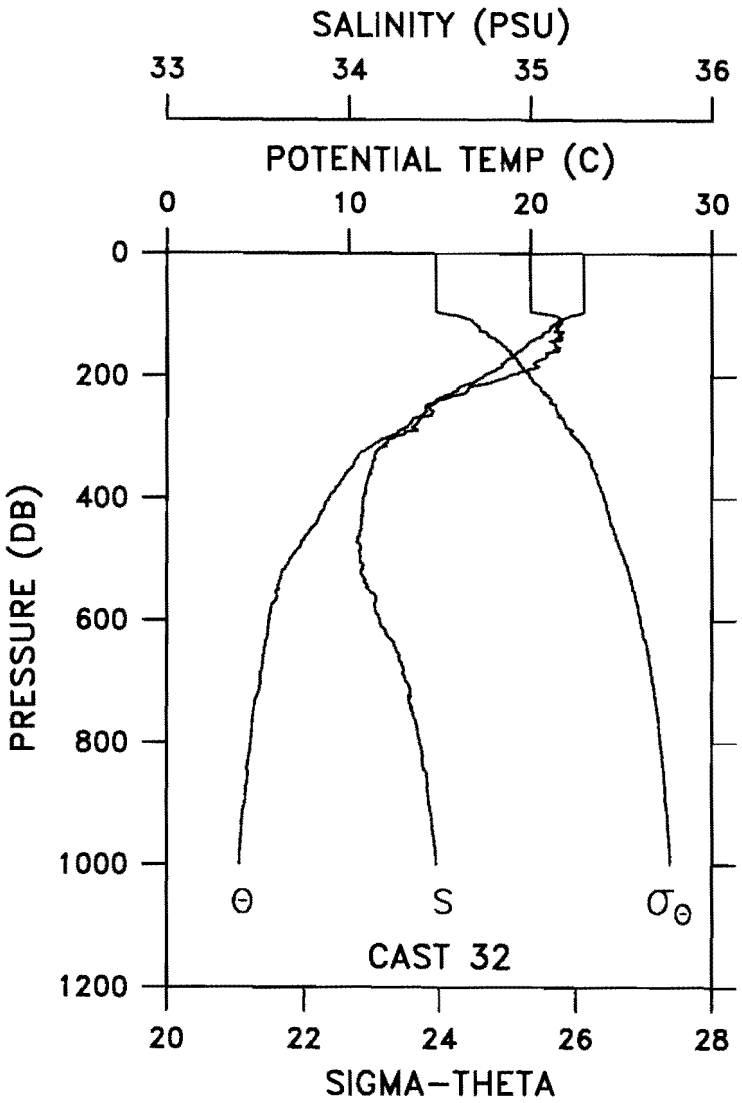
CAST CG2-91-DI -031 DATE 10 MAR 91 TIME 1647 GMT
LAT 21 55.0N LONG 152 00.0W WEATHER 2 SEA STATE 6
BAROMETER 18 WIND DIR 075 T SPD 22 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 21.2 WET 17.7 DEPTH 5691 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.112	35.019	23.917	0.000
10	23.126	35.016	23.911	0.040
20	23.119	35.017	23.914	0.080
30	23.111	35.018	23.917	0.120
40	23.108	35.018	23.918	0.160
50	23.118	35.018	23.915	0.200
60	23.104	35.018	23.919	0.240
70	23.064	35.023	23.934	0.280
80	22.724	35.141	24.122	0.318
90	22.055	35.201	24.356	0.356
100	21.750	35.279	24.501	0.391
110	21.527	35.291	24.572	0.425
120	20.902	35.242	24.706	0.459
130	20.487	35.206	24.791	0.491
140	19.852	35.184	24.943	0.522
150	19.657	35.167	24.980	0.553
160	19.145	35.142	25.094	0.582
170	18.705	35.111	25.182	0.611
180	18.136	35.034	25.265	0.639
190	17.612	34.958	25.336	0.666
200	17.040	34.880	25.414	0.693
250	13.920	34.439	25.771	0.816
300	11.460	34.188	26.060	0.923
350	9.830	34.121	26.295	1.018
400	8.560	34.078	26.465	1.104
450	7.244	34.036	26.626	1.181
500	6.458	34.041	26.736	1.252
550	5.765	34.079	26.854	1.317
600	5.396	34.155	26.959	1.378
650	4.958	34.196	27.043	1.434
700	4.746	34.276	27.130	1.486
750	4.496	34.335	27.204	1.534
800	4.400	34.375	27.247	1.580
900	4.308	34.470	27.332	1.666
1000	3.913	34.504	27.401	1.745
1500	2.715	34.578	27.574	2.084
2000	2.005	34.619	27.666	2.365
2500	1.600	34.648	27.720	2.612
3000	1.338	34.666	27.754	2.840
3500	1.210	34.678	27.772	3.061
4000	1.131	34.686	27.784	3.281
4500	1.082	34.689	27.790	3.505
5000	1.043	34.692	27.795	3.736
5753	1.025	34.693	27.797	4.100

CAST CG2-91-DI -032 DATE 11 MAR 91 TIME 1030 GMT

LAT 22 40.6N LONG 151 59.5W



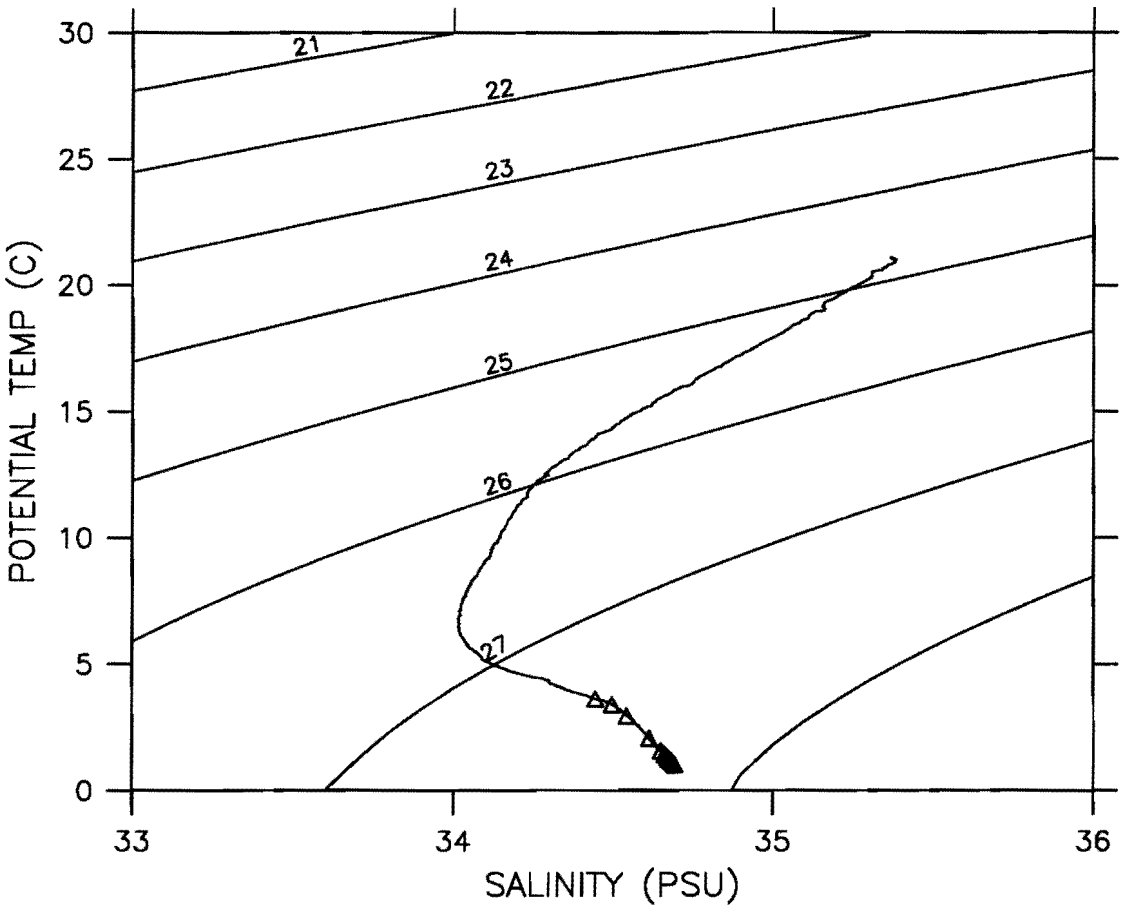


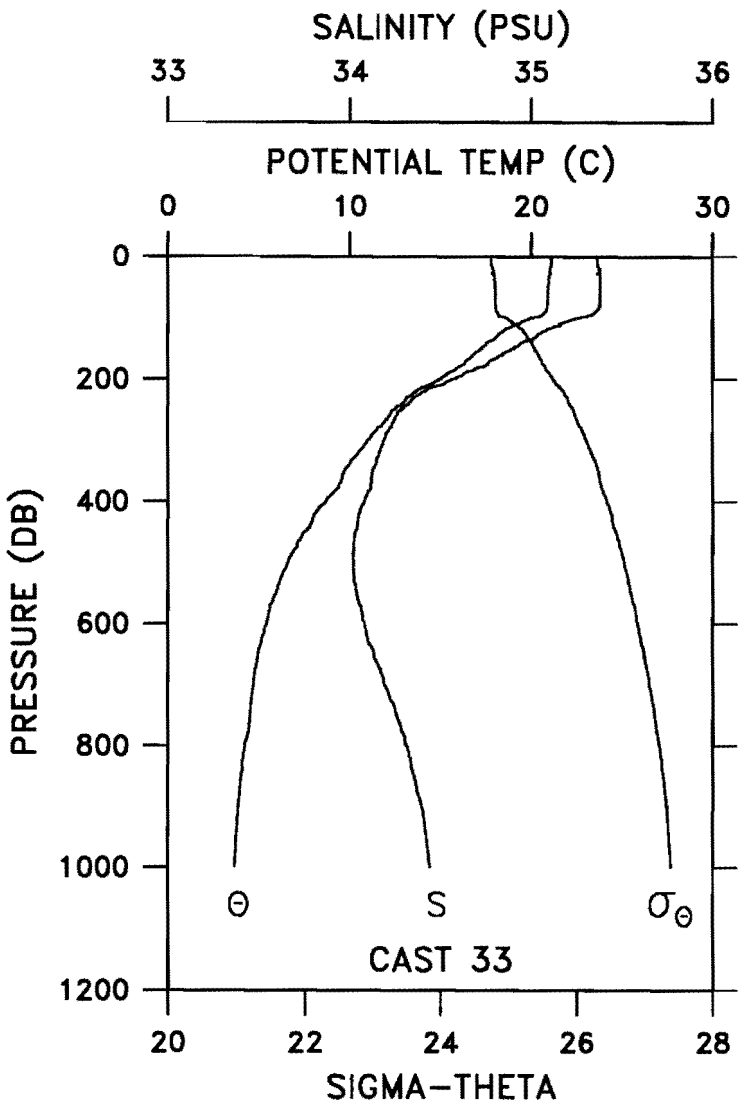
CAST CG2-91-DI -032 DATE 11 MAR 91 TIME 1030 GMT
LAT 22 40.6N LONG 151 59.5W WEATHER 0 SEA STATE 5
BAROMETER 20 WIND DIR 070 T SPD 20 KT VISIBILITY 9
CLOUD 0 AMOUNT 0 DRY 21.1 WET 18.7 DEPTH 5576 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.955	35.000	23.948	0.000
10	22.955	35.000	23.948	0.040
20	22.954	35.000	23.948	0.079
30	22.956	35.000	23.948	0.119
40	22.959	35.000	23.947	0.158
50	22.960	35.001	23.947	0.198
60	22.959	35.000	23.947	0.238
70	22.960	35.000	23.947	0.278
80	22.960	35.000	23.947	0.317
90	22.959	35.000	23.947	0.357
100	22.532	35.110	24.152	0.397
110	21.546	35.173	24.477	0.433
120	21.116	35.141	24.571	0.467
130	20.696	35.159	24.699	0.501
140	20.225	35.156	24.822	0.533
150	19.801	35.135	24.919	0.565
160	19.308	35.127	25.040	0.595
170	18.932	35.082	25.103	0.624
180	18.436	35.024	25.183	0.653
190	18.089	34.986	25.240	0.681
200	17.421	34.877	25.320	0.709
250	14.236	34.440	25.706	0.835
300	12.131	34.255	25.986	0.947
350	10.167	34.128	26.243	1.044
400	8.866	34.076	26.416	1.132
450	7.884	34.068	26.559	1.213
500	6.746	34.062	26.714	1.287
550	6.075	34.110	26.840	1.353
600	5.575	34.169	26.949	1.414
650	5.309	34.262	27.055	1.471
700	5.093	34.310	27.118	1.523
750	4.718	34.352	27.194	1.572
800	4.580	34.389	27.238	1.618
900	4.218	34.439	27.317	1.705
1000	3.936	34.482	27.380	1.786
1500	2.831	34.569	27.556	2.134
2000	2.049	34.617	27.661	2.420
2500	1.595	34.649	27.722	2.668
3000	1.383	34.667	27.751	2.898
3500	1.249	34.678	27.770	3.122
4000	1.161	34.685	27.781	3.345
4500	1.089	34.689	27.789	3.571
5000	1.028	34.693	27.796	3.801
5495	1.011	34.694	27.799	4.035

CAST CG2-91-DI -033 DATE 12 MAR 91 TIME 0452 GMT

LAT 23 59.8N LONG 151 58.8W



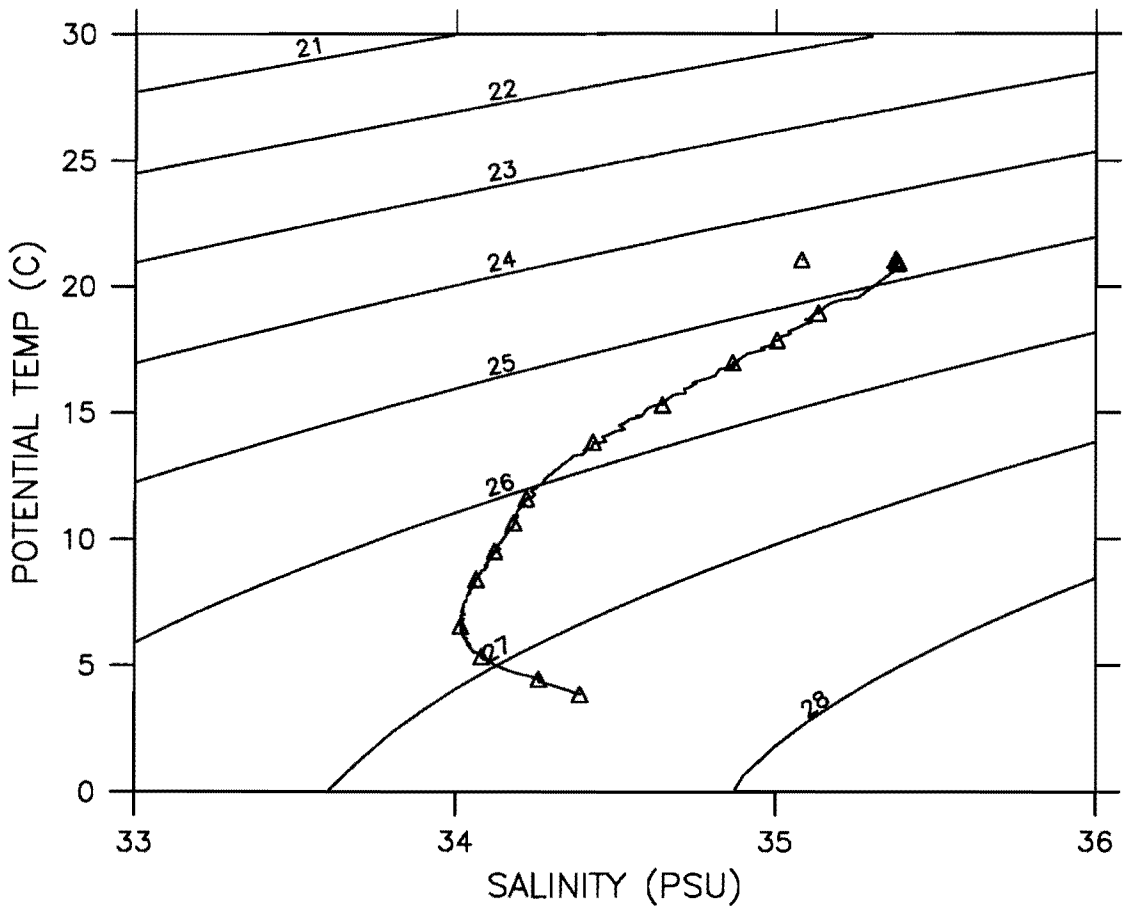


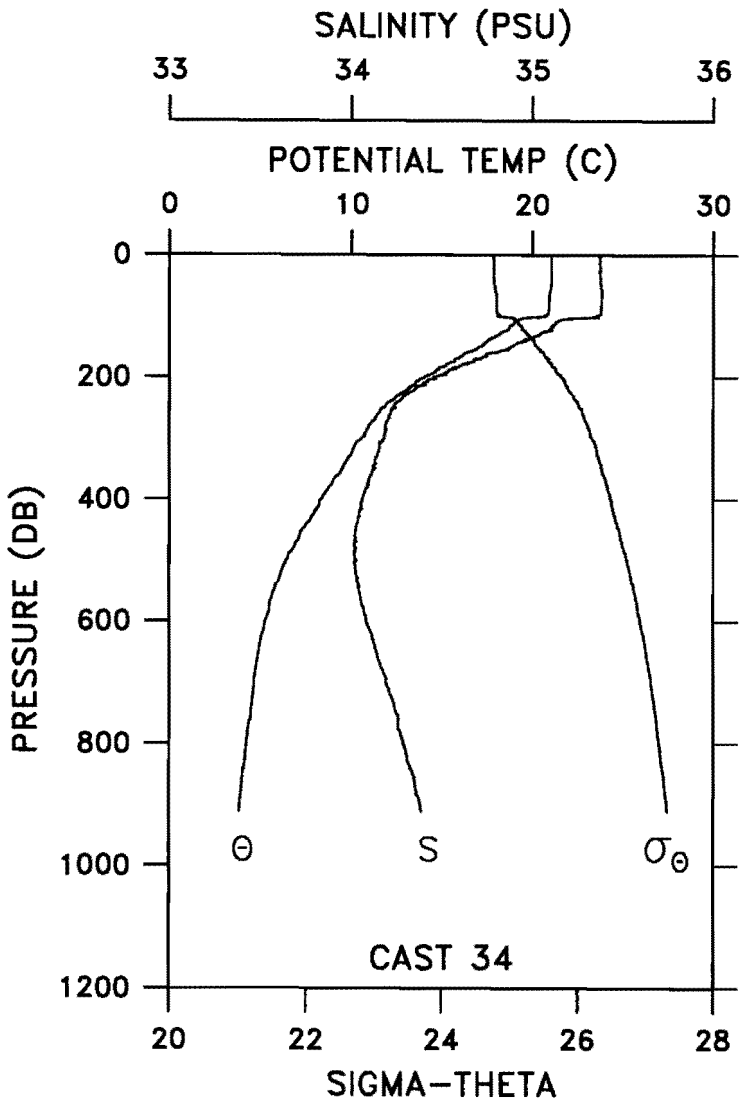
CAST CG2-91-DI -033 DATE 12 MAR 91 TIME 0452 GMT
LAT 23 59.8N LONG 151 58.8W WEATHER 1 SEA STATE 5
BAROMETER 22 WIND DIR 060 T SPD 28 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 20.5 WET 18.9 DEPTH 5617 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.109	35.365	24.744	0.000
10	21.119	35.367	24.742	0.032
20	21.046	35.375	24.768	0.064
30	20.993	35.383	24.789	0.096
40	20.959	35.382	24.797	0.127
50	20.934	35.381	24.803	0.159
60	20.921	35.381	24.807	0.190
70	20.914	35.380	24.808	0.222
80	20.892	35.377	24.812	0.253
90	20.706	35.350	24.842	0.285
100	19.921	35.248	24.973	0.316
110	19.119	35.157	25.112	0.345
120	18.477	35.074	25.211	0.374
130	18.087	35.025	25.271	0.401
140	17.523	34.938	25.342	0.429
150	17.206	34.895	25.386	0.455
160	16.769	34.836	25.444	0.481
170	16.356	34.767	25.488	0.507
180	15.999	34.717	25.531	0.532
190	15.392	34.633	25.603	0.557
200	14.908	34.559	25.653	0.581
250	12.405	34.285	25.957	0.693
300	10.963	34.185	26.148	0.794
350	9.687	34.124	26.321	0.886
400	8.684	34.080	26.448	0.972
450	7.515	34.028	26.581	1.051
500	6.587	34.017	26.701	1.124
550	5.933	34.035	26.799	1.192
600	5.411	34.077	26.896	1.255
650	4.931	34.134	26.996	1.314
700	4.678	34.190	27.070	1.368
750	4.488	34.254	27.141	1.419
800	4.204	34.313	27.218	1.467
900	3.835	34.397	27.323	1.555
1000	3.632	34.443	27.380	1.634
1500	2.623	34.574	27.579	1.970
2000	1.921	34.622	27.675	2.243
2500	1.556	34.650	27.725	2.485
3000	1.347	34.667	27.754	2.712
3500	1.221	34.679	27.773	2.933
4000	1.150	34.685	27.782	3.155
4500	1.084	34.690	27.791	3.381
5000	1.032	34.693	27.797	3.610
5467	1.014	34.693	27.798	3.832

CAST CG2-91-DI -034 DATE 12 MAR 91 TIME 1000 GMT

LAT 24 00.2N LONG 151 58.0W



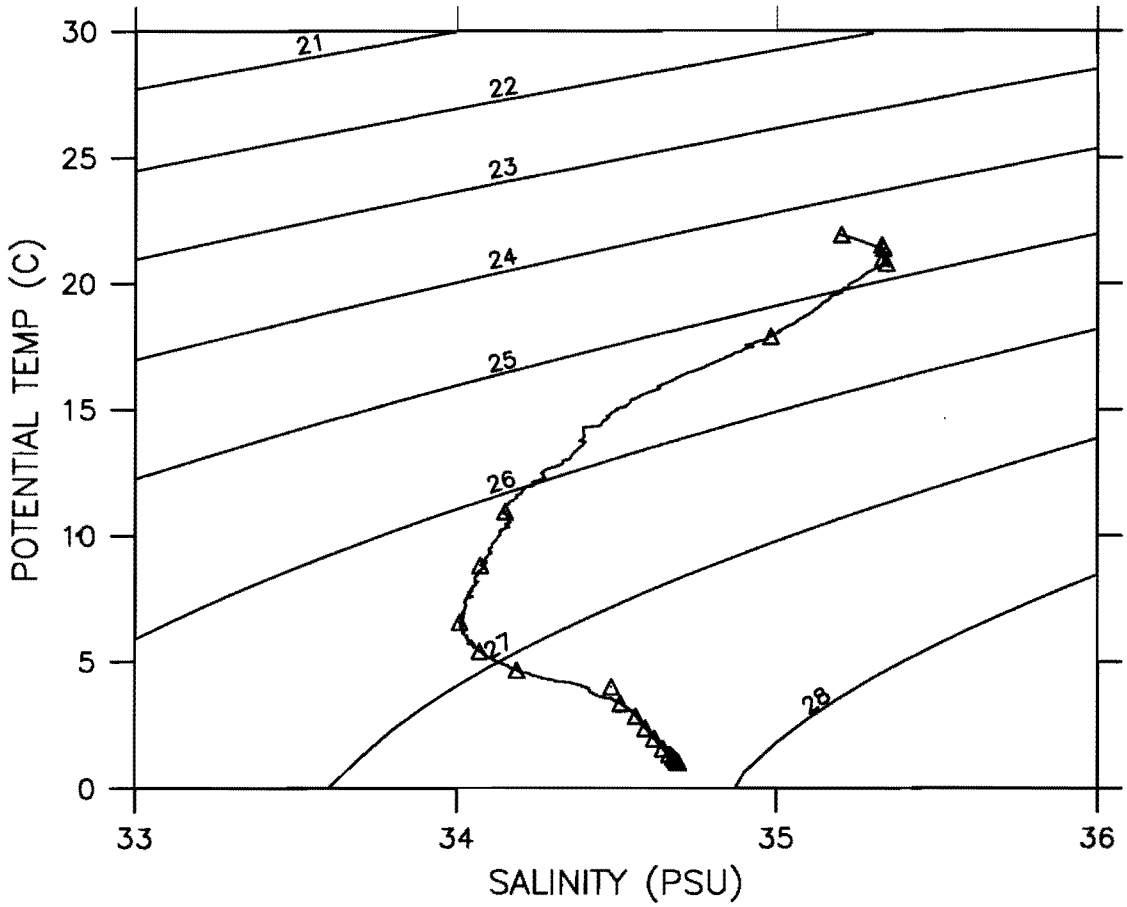


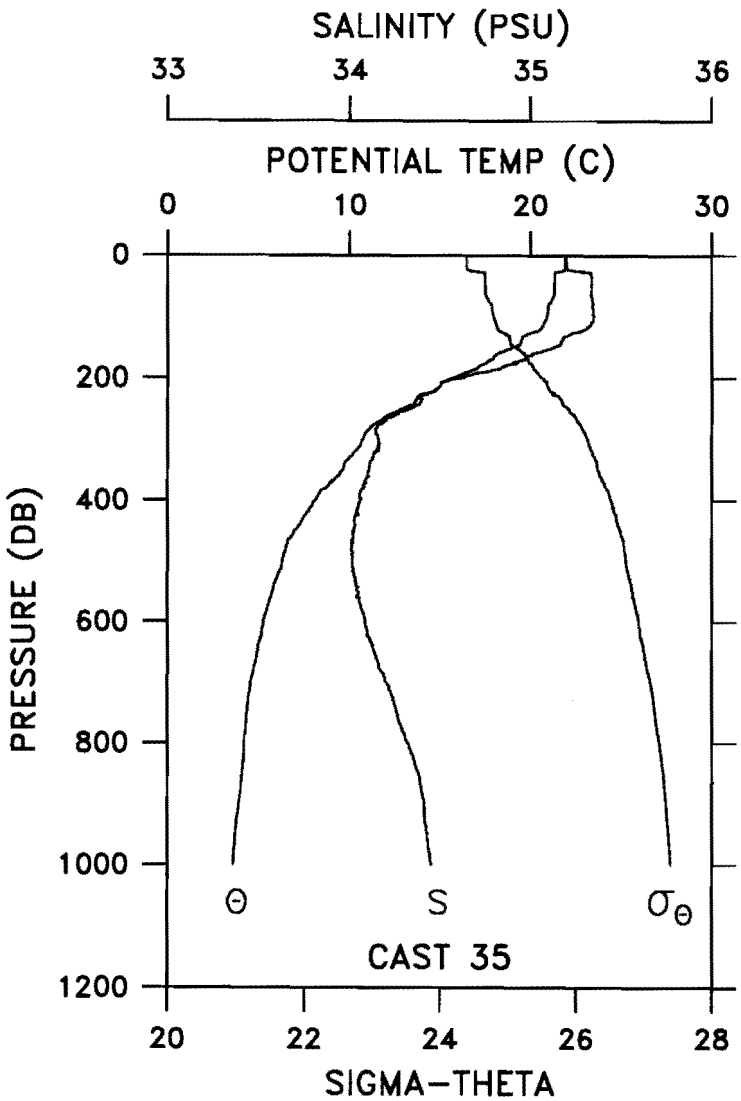
CAST CG2-91-DI -034 DATE 12 MAR 91 TIME 1000 GMT
LAT 24 00.2N LONG 151 58.0W WEATHER 0 SEA STATE 5
BAROMETER 23 WIND DIR 070 T SPD 22 KT VISIBILITY 9
CLOUD 0 AMOUNT 0 DRY 20.0 WET 18.4 DEPTH 5321 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.069	35.372	24.760	0.000
10	21.067	35.372	24.761	0.032
20	21.063	35.373	24.762	0.064
30	21.069	35.373	24.761	0.095
40	21.054	35.376	24.767	0.127
50	21.030	35.378	24.775	0.159
60	20.980	35.382	24.792	0.191
70	20.934	35.382	24.805	0.223
80	20.920	35.381	24.807	0.254
90	20.904	35.378	24.809	0.286
100	20.779	35.347	24.820	0.317
110	19.012	35.132	25.120	0.347
120	18.706	35.099	25.173	0.375
130	18.161	35.046	25.269	0.403
140	17.535	34.958	25.355	0.430
150	17.107	34.883	25.400	0.457
160	16.333	34.778	25.501	0.483
170	15.769	34.716	25.583	0.508
180	15.241	34.610	25.619	0.532
190	14.706	34.536	25.679	0.556
200	14.057	34.456	25.755	0.579
250	11.759	34.246	26.050	0.687
300	10.565	34.181	26.215	0.784
350	9.503	34.129	26.355	0.874
400	8.349	34.062	26.485	0.957
450	7.295	34.023	26.608	1.035
500	6.422	34.024	26.728	1.107
550	5.746	34.044	26.829	1.174
600	5.260	34.085	26.920	1.236
650	4.905	34.143	27.007	1.294
700	4.659	34.195	27.075	1.348
750	4.478	34.250	27.139	1.399
800	4.229	34.291	27.198	1.447
900	3.871	34.382	27.308	1.536
912	3.841	34.389	27.316	1.546

CAST CG2-91-DI -035 DATE 12 MAR 91 TIME 1824 GMT

LAT 24 39.9N LONG 152 00.2W



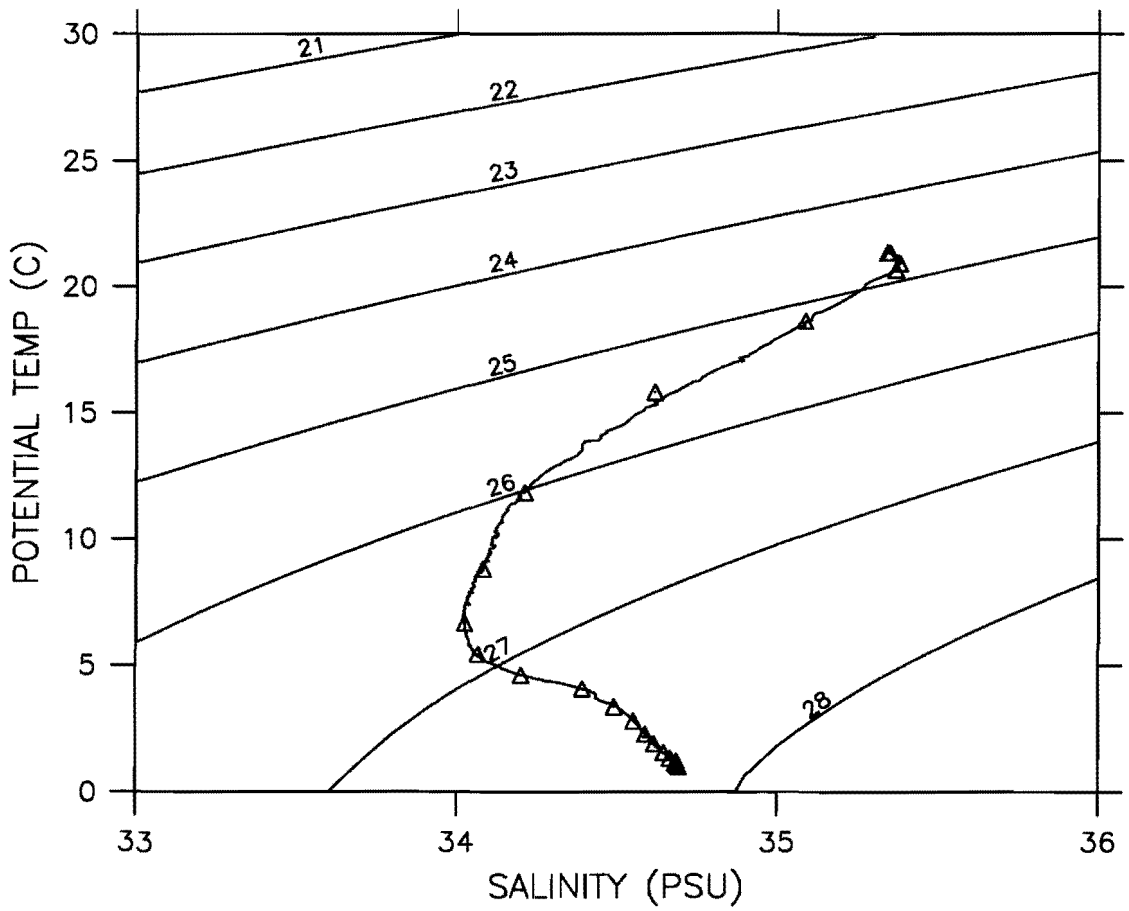


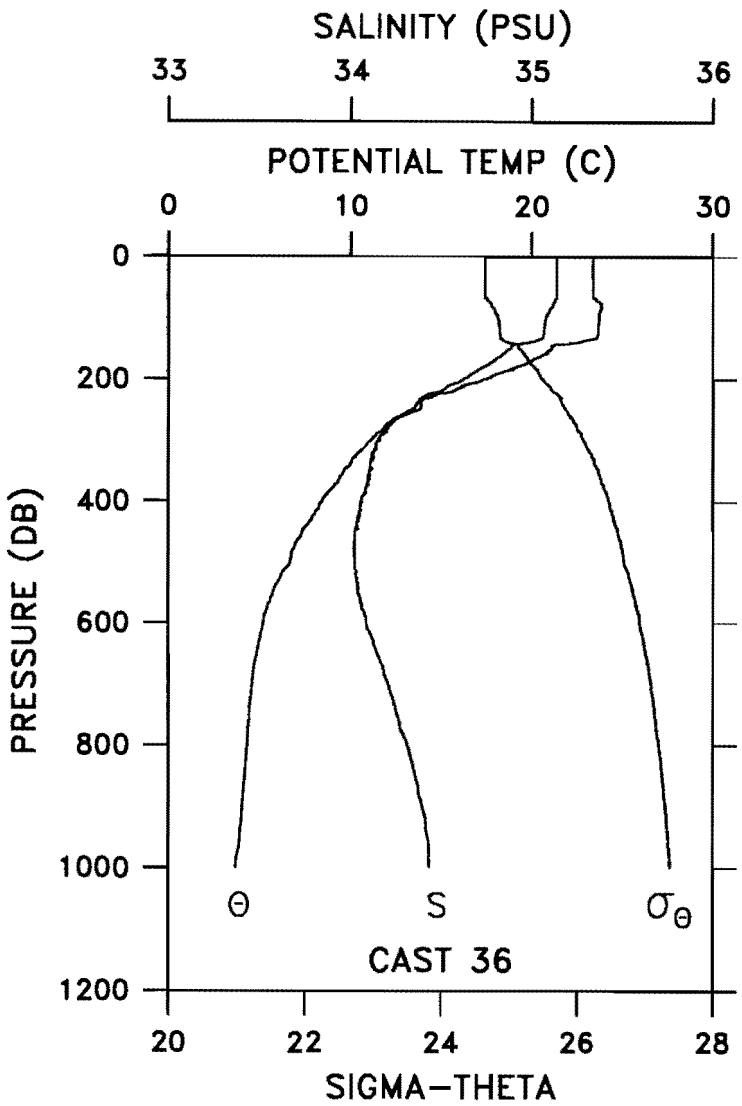
CAST CG2-91-DI -035 DATE 12 MAR 91 TIME 1824 GMT
LAT 24 39.9N LONG 152 00.2W WEATHER 1 SEA STATE 5
BAROMETER 26 WIND DIR 065 T SPD 23 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 20.0 WET 17.6 DEPTH 5296 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.924	35.198	24.391	0.000
10	21.922	35.198	24.391	0.035
20	21.923	35.199	24.392	0.071
30	21.336	35.332	24.656	0.105
40	21.331	35.336	24.661	0.138
50	21.326	35.336	24.662	0.171
60	21.320	35.337	24.664	0.204
70	21.198	35.340	24.700	0.236
80	20.992	35.345	24.760	0.269
90	20.969	35.347	24.768	0.301
100	20.889	35.347	24.790	0.333
110	20.739	35.334	24.820	0.365
120	20.545	35.303	24.849	0.396
130	19.747	35.208	24.988	0.427
140	19.481	35.171	25.029	0.457
150	19.055	35.132	25.109	0.486
160	18.158	35.012	25.243	0.515
170	17.794	34.971	25.302	0.542
180	17.198	34.863	25.363	0.569
190	16.527	34.742	25.429	0.596
200	15.737	34.612	25.509	0.621
250	12.980	34.329	25.877	0.739
300	10.731	34.161	26.171	0.841
350	9.640	34.109	26.317	0.932
400	8.140	34.057	26.512	1.016
450	6.962	34.017	26.650	1.092
500	6.302	34.015	26.736	1.162
550	5.768	34.046	26.828	1.228
600	5.263	34.088	26.922	1.290
650	4.928	34.139	27.001	1.348
700	4.572	34.203	27.092	1.402
750	4.366	34.265	27.163	1.452
800	4.216	34.325	27.227	1.500
900	3.924	34.414	27.328	1.586
1000	3.612	34.454	27.391	1.665
1500	2.685	34.574	27.573	2.001
2000	1.972	34.620	27.669	2.279
2500	1.562	34.648	27.724	2.525
3000	1.353	34.666	27.753	2.753
3500	1.234	34.677	27.770	2.975
4000	1.157	34.683	27.780	3.198
4500	1.095	34.687	27.788	3.424
5000	1.035	34.693	27.796	3.655
5346	1.021	34.694	27.798	3.819

CAST CG2-91-DI -036 DATE 13 MAR 91 TIME 0910 GMT

LAT 25 20.2N LONG 151 59.7W



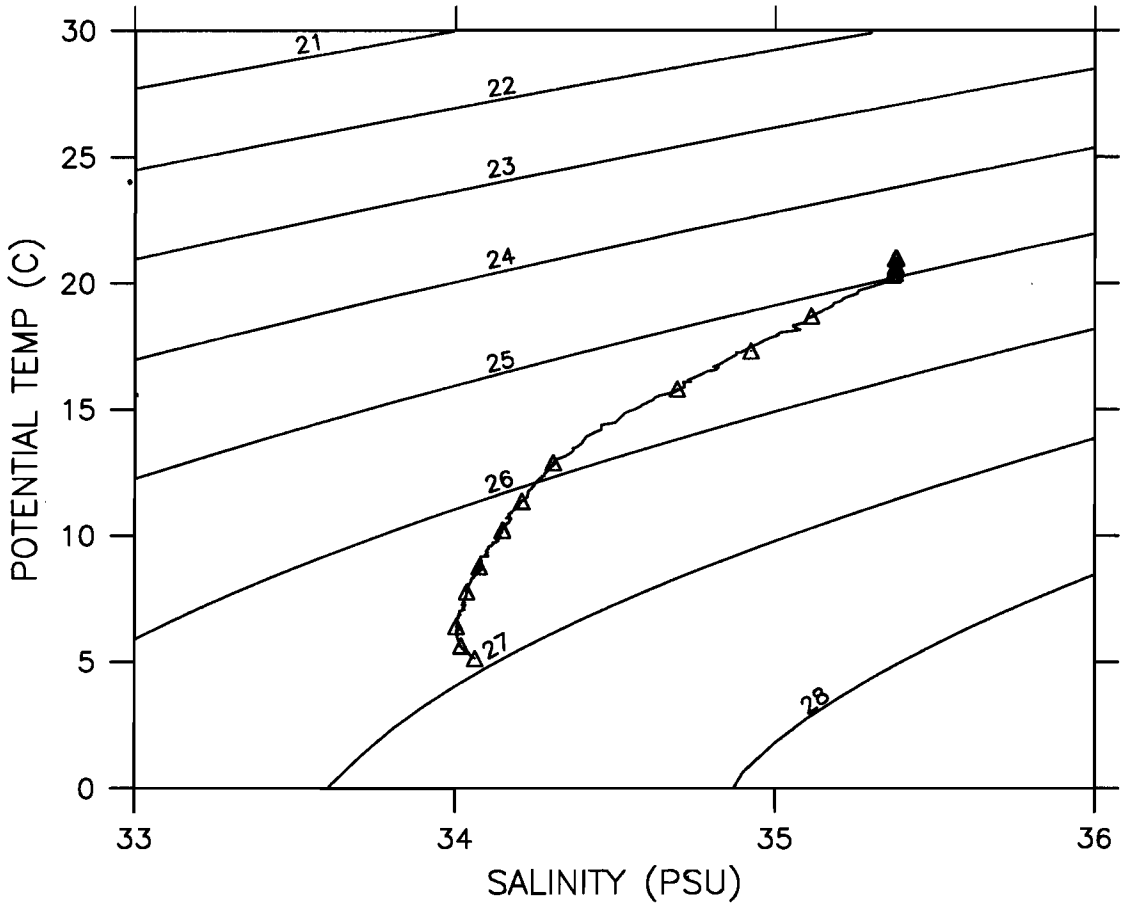


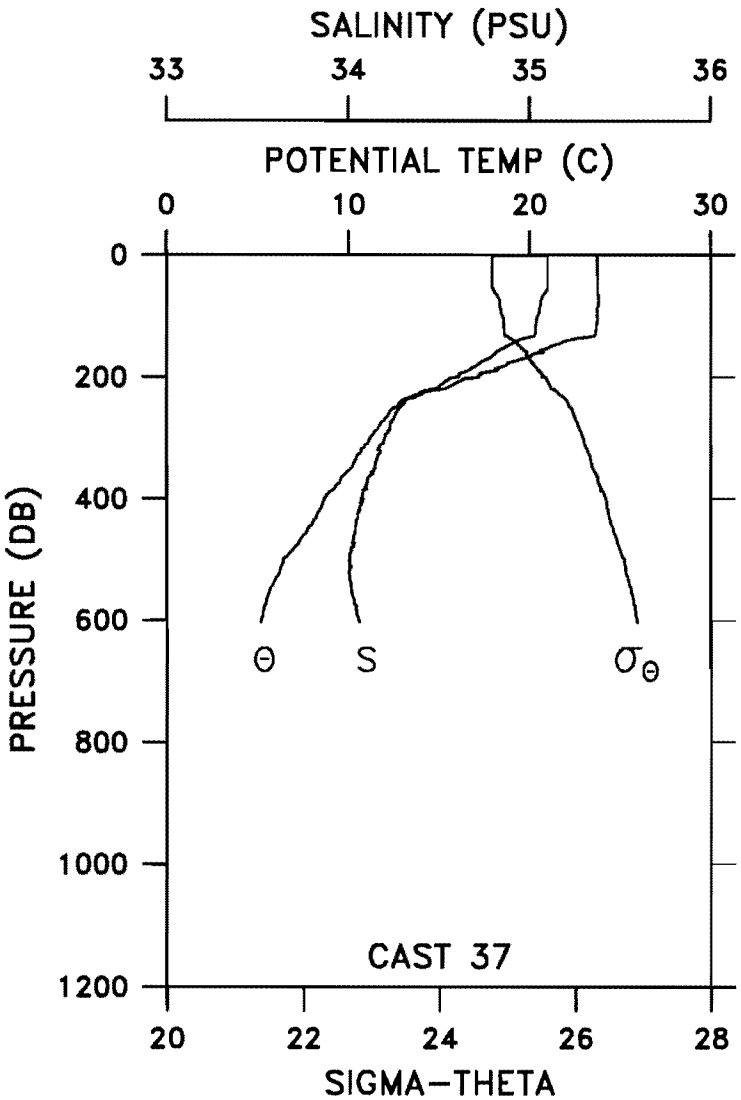
CAST CG2-91-DI -036 DATE 13 MAR 91 TIME 0910 GMT
LAT 25 20.2N LONG 151 59.7W WEATHER 1 SEA STATE 7
BAROMETER 26 WIND DIR 060 T SPD 28 KT VISIBILITY 8
CLOUD 0 AMOUNT 6 DRY 19.8 WET 17.6 DEPTH 5498 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.365	35.340	24.654	0.000
10	21.367	35.339	24.653	0.033
20	21.367	35.339	24.653	0.066
30	21.369	35.339	24.652	0.099
40	21.369	35.339	24.652	0.131
50	21.368	35.339	24.653	0.164
60	21.367	35.339	24.653	0.197
70	21.303	35.358	24.685	0.230
80	21.144	35.384	24.748	0.263
90	20.934	35.377	24.801	0.295
100	20.777	35.372	24.839	0.326
110	20.705	35.370	24.857	0.358
120	20.674	35.368	24.864	0.389
130	20.627	35.362	24.872	0.420
140	19.740	35.242	25.016	0.451
150	18.837	35.108	25.146	0.480
160	18.371	35.061	25.228	0.508
170	17.915	34.998	25.292	0.536
180	17.325	34.913	25.370	0.563
190	16.772	34.822	25.432	0.589
200	16.225	34.734	25.492	0.615
250	13.432	34.382	25.827	0.733
300	11.142	34.162	26.098	0.838
350	9.624	34.104	26.316	0.931
400	8.432	34.056	26.468	1.016
450	7.349	34.025	26.603	1.095
500	6.668	34.022	26.694	1.167
550	5.749	34.040	26.825	1.234
600	5.203	34.088	26.929	1.296
650	4.863	34.148	27.015	1.353
700	4.608	34.208	27.092	1.407
750	4.449	34.258	27.149	1.457
800	4.322	34.316	27.208	1.505
900	4.046	34.397	27.302	1.594
1000	3.689	34.439	27.372	1.676
1500	2.642	34.567	27.571	2.017
2000	1.923	34.616	27.670	2.295
2500	1.537	34.649	27.726	2.538
3000	1.343	34.667	27.755	2.765
3500	1.224	34.677	27.771	2.986
4000	1.153	34.683	27.780	3.209
4500	1.100	34.687	27.787	3.436
5000	1.042	34.691	27.794	3.667
5542	1.023	34.692	27.797	3.927

CAST CG2-91-DI -037 DATE 13 MAR 91 TIME 1625 GMT

LAT 26 00.1N LONG 151 59.7W



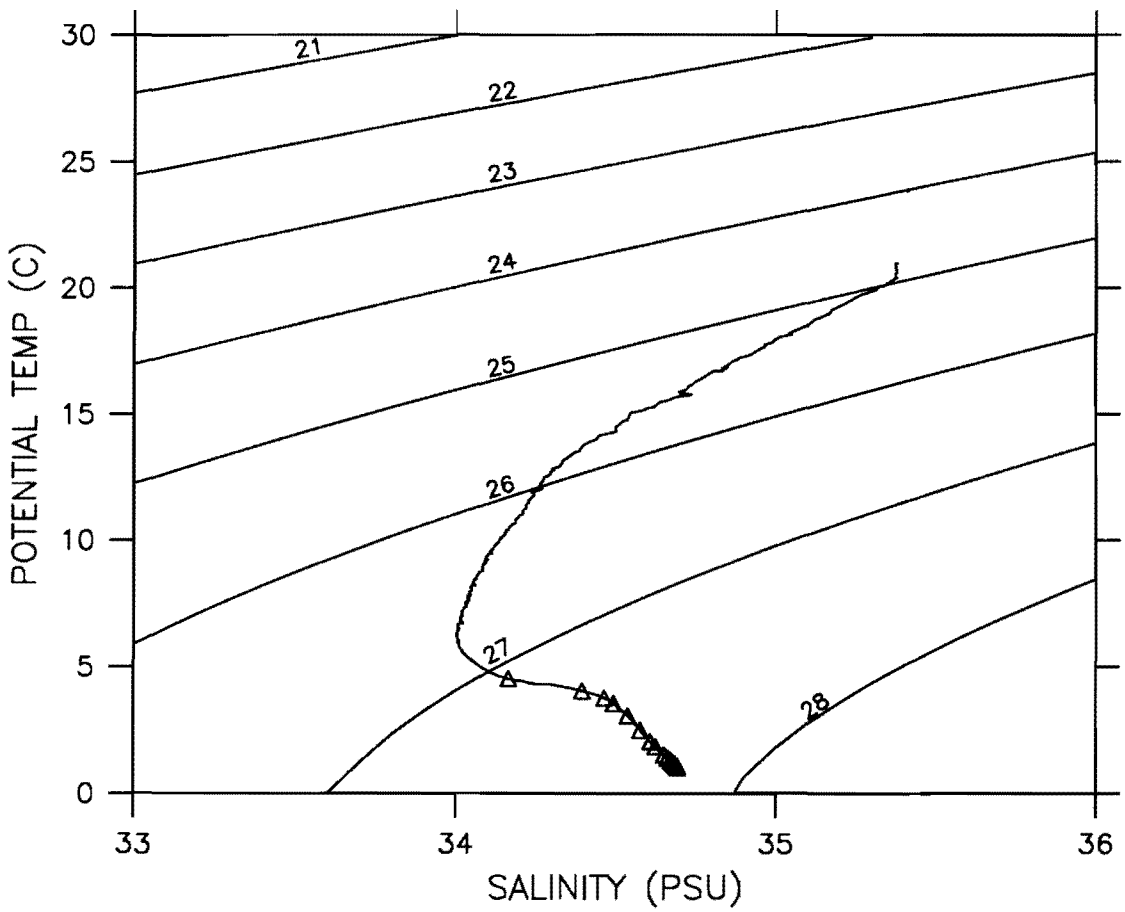


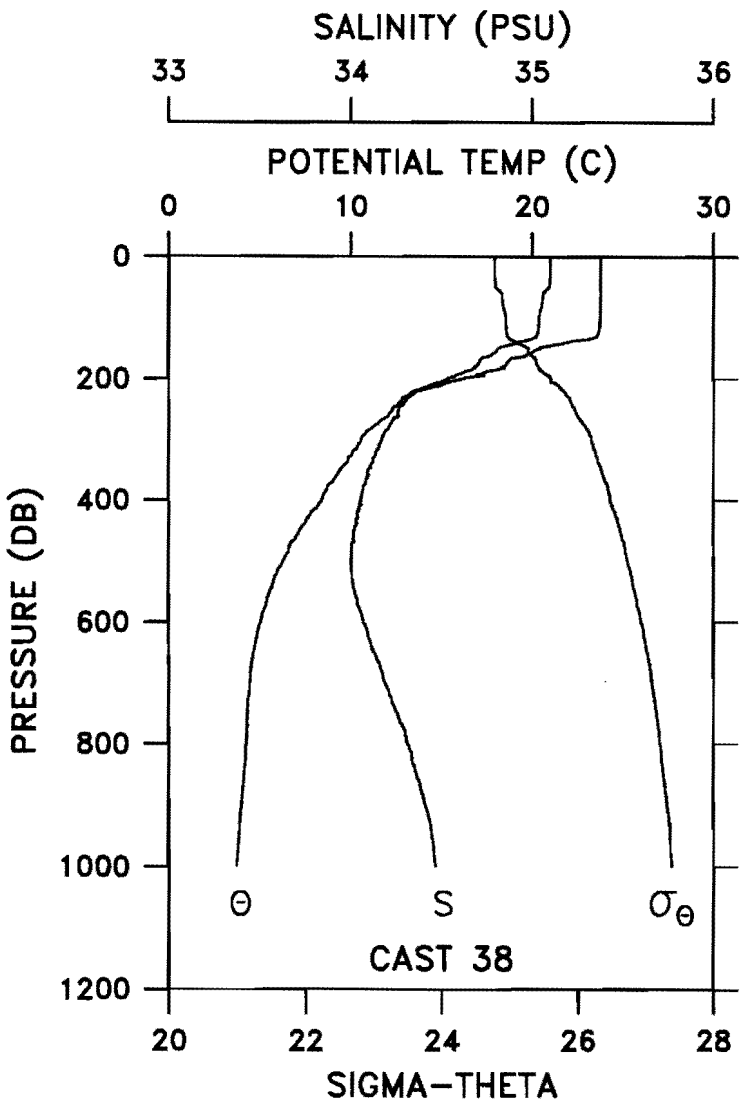
CAST CG2-91-DI -037 DATE 13 MAR 91 TIME 1625 GMT
LAT 26 00.1N LONG 151 59.7W WEATHER 1 SEA STATE 4
BAROMETER 26 WIND DIR 060 T SPD 22 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 18.8 WET 15.5 DEPTH 5372 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.979	35.378	24.789	0.000
10	21.002	35.372	24.778	0.032
20	21.004	35.372	24.778	0.063
30	21.002	35.373	24.779	0.095
40	20.997	35.374	24.781	0.127
50	21.000	35.374	24.780	0.158
60	20.887	35.374	24.811	0.190
70	20.678	35.379	24.871	0.221
80	20.600	35.380	24.893	0.252
90	20.531	35.373	24.906	0.283
100	20.438	35.370	24.929	0.314
110	20.365	35.372	24.950	0.344
120	20.332	35.367	24.955	0.374
130	20.292	35.362	24.962	0.405
140	19.270	35.202	25.107	0.435
150	18.651	35.112	25.197	0.463
160	18.096	35.051	25.289	0.491
170	17.694	34.961	25.318	0.518
180	17.093	34.867	25.391	0.545
190	16.506	34.788	25.468	0.571
200	15.897	34.717	25.554	0.596
250	12.505	34.284	25.937	0.712
300	11.199	34.199	26.116	0.814
350	10.174	34.147	26.256	0.908
400	8.662	34.070	26.443	0.995
450	7.738	34.036	26.556	1.076
500	6.388	34.004	26.716	1.149
550	5.642	34.016	26.820	1.217
600	5.187	34.056	26.905	1.279
603	5.157	34.060	26.912	1.283

CAST CG2-91-DI -038 DATE 13 MAR 91 TIME 2220 GMT

LAT 26 00.2N LONG 152 00.0W



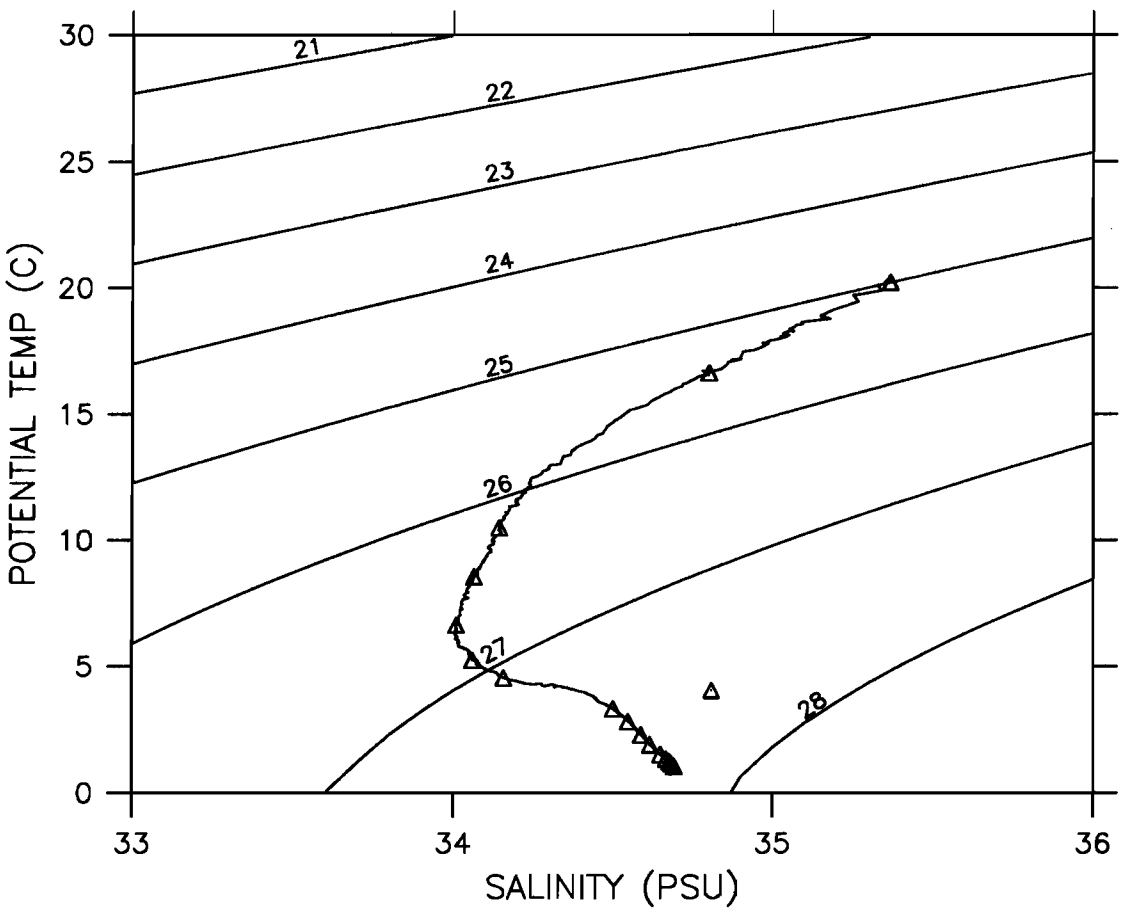


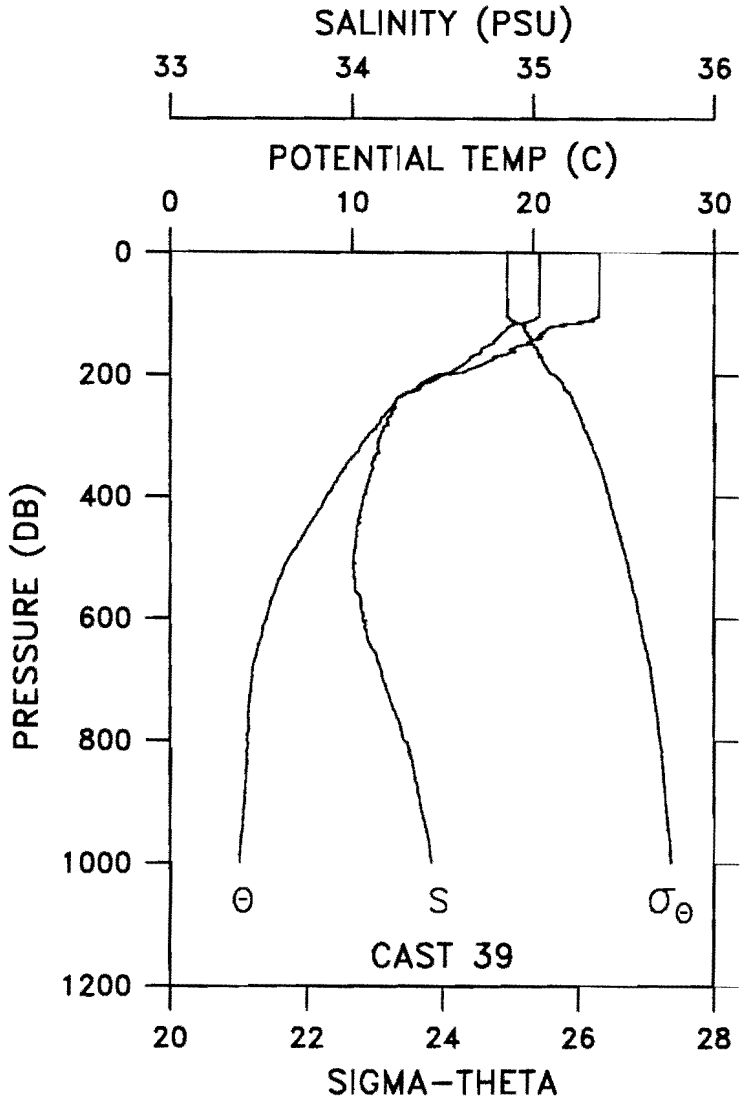
CAST CG2-91-DI -038 DATE 13 MAR 91 TIME 2220 GMT
LAT 26 00.2N LONG 152 00.0W WEATHER 1 SEA STATE 7
BAROMETER 28 WIND DIR 060 T SPD 22 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 19.0 WET 16.4 DEPTH 5373 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.986	35.381	24.789	0.000
10	20.993	35.375	24.782	0.032
20	20.993	35.375	24.782	0.063
30	20.991	35.375	24.783	0.095
40	20.967	35.376	24.791	0.126
50	20.939	35.375	24.798	0.158
60	20.613	35.379	24.889	0.189
70	20.576	35.375	24.896	0.220
80	20.531	35.375	24.908	0.251
90	20.433	35.373	24.933	0.281
100	20.382	35.374	24.947	0.312
110	20.358	35.371	24.951	0.342
120	20.326	35.368	24.957	0.373
130	20.250	35.357	24.969	0.403
140	19.286	35.200	25.102	0.433
150	18.144	35.051	25.277	0.461
160	17.787	34.976	25.307	0.488
170	17.106	34.869	25.390	0.515
180	16.818	34.830	25.428	0.541
190	16.160	34.737	25.509	0.567
200	15.283	34.618	25.616	0.592
250	12.327	34.267	25.957	0.704
300	10.584	34.172	26.205	0.803
350	9.414	34.099	26.346	0.893
400	8.388	34.056	26.475	0.977
450	7.173	34.018	26.621	1.054
500	6.273	34.004	26.731	1.125
550	5.539	34.024	26.838	1.191
600	5.053	34.072	26.934	1.253
650	4.664	34.131	27.024	1.309
700	4.454	34.190	27.094	1.362
750	4.318	34.260	27.164	1.412
800	4.264	34.314	27.213	1.460
900	3.993	34.410	27.318	1.548
1000	3.737	34.466	27.389	1.627
1500	2.656	34.570	27.572	1.967
2000	1.959	34.614	27.666	2.247
2500	1.546	34.648	27.724	2.490
3000	1.351	34.667	27.754	2.718
3500	1.227	34.677	27.770	2.940
4000	1.153	34.684	27.781	3.163
4500	1.092	34.688	27.789	3.389
5000	1.043	34.691	27.794	3.620
5414	1.027	34.693	27.797	3.817

CAST CG2-91-DI -039 DATE 14 MAR 91 TIME 0725 GMT

LAT 26 39.9N LONG 152 00.0W



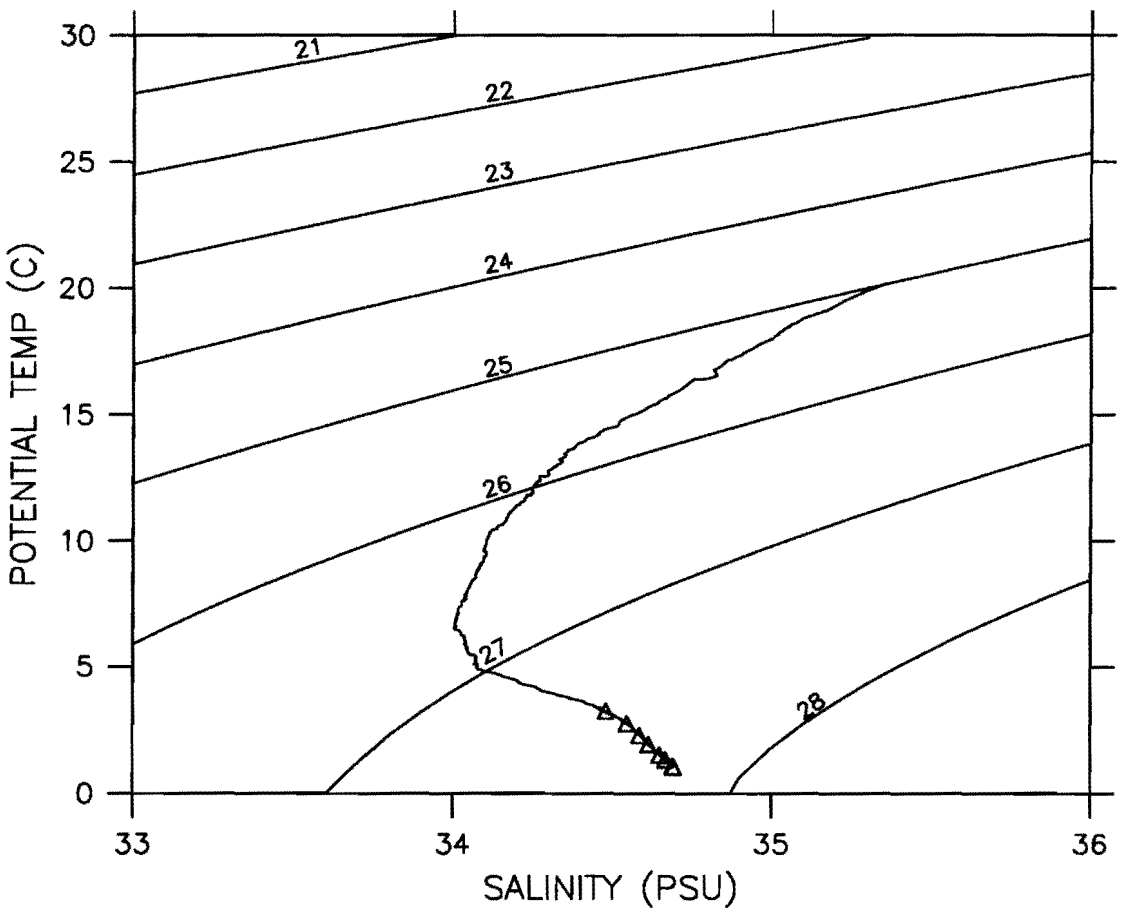


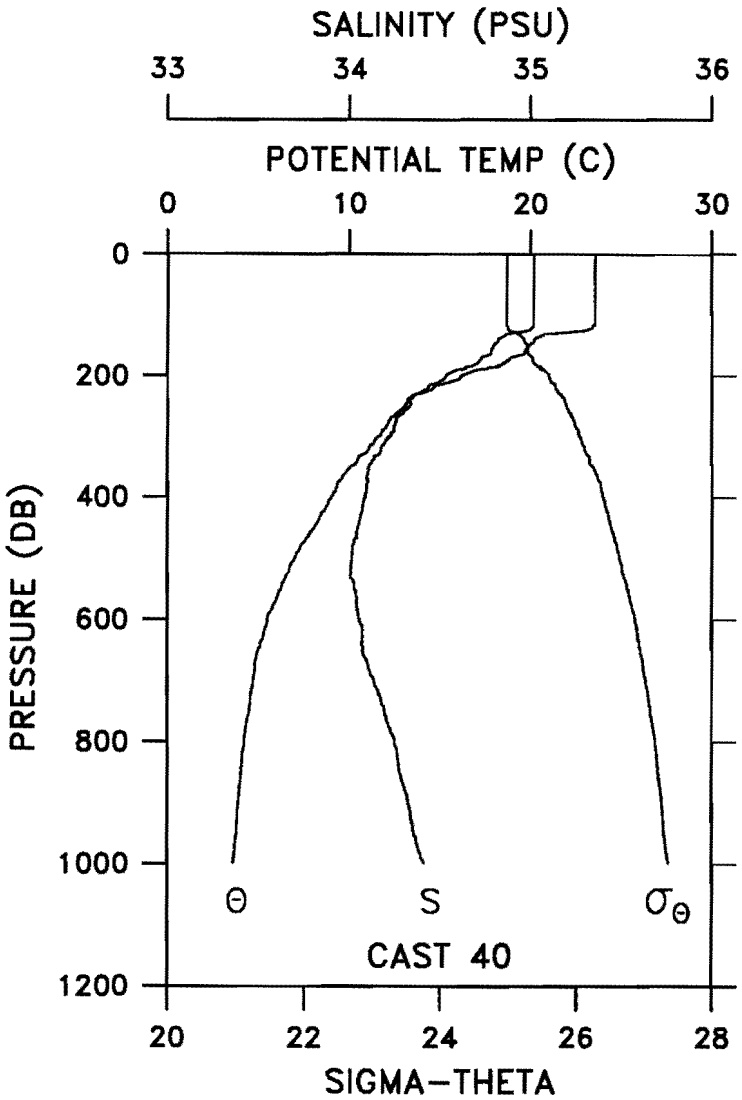
CAST CG2-91-DI -039 DATE 14 MAR 91 TIME 0725 GMT
LAT 26 39.9N LONG 152 00.0W WEATHER 1 SEA STATE 5
BAROMETER 30 WIND DIR 060 T SPD 22 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 18.0 WET 15.1 DEPTH 5428 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.338	35.364	24.951	0.000
10	20.335	35.367	24.954	0.030
20	20.336	35.367	24.954	0.060
30	20.342	35.366	24.952	0.090
40	20.343	35.366	24.951	0.120
50	20.343	35.367	24.952	0.150
60	20.343	35.367	24.951	0.180
70	20.345	35.366	24.951	0.211
80	20.333	35.364	24.952	0.241
90	20.328	35.364	24.953	0.271
100	20.322	35.363	24.955	0.301
110	20.061	35.329	24.998	0.332
120	18.679	35.119	25.195	0.360
130	18.368	35.051	25.221	0.388
140	18.051	35.042	25.293	0.416
150	17.608	34.961	25.339	0.443
160	17.127	34.892	25.402	0.470
170	16.715	34.779	25.413	0.496
180	16.280	34.738	25.483	0.521
190	15.677	34.645	25.549	0.546
200	14.752	34.505	25.645	0.571
250	12.264	34.239	25.948	0.683
300	10.903	34.156	26.136	0.784
350	9.654	34.117	26.321	0.876
400	8.581	34.064	26.451	0.962
450	7.582	34.027	26.571	1.041
500	6.555	34.007	26.697	1.115
550	5.821	34.016	26.798	1.183
600	5.292	34.060	26.896	1.246
650	4.816	34.112	26.992	1.304
700	4.490	34.171	27.075	1.358
750	4.304	34.231	27.143	1.409
800	4.230	34.291	27.198	1.457
900	4.084	34.375	27.280	1.547
1000	3.803	34.440	27.361	1.630
1500	2.637	34.564	27.570	1.976
2000	1.940	34.615	27.668	2.255
2500	1.529	34.648	27.726	2.497
3000	1.336	34.668	27.756	2.722
3500	1.229	34.678	27.771	2.944
4000	1.155	34.684	27.781	3.166
4500	1.103	34.688	27.788	3.393
5000	1.055	34.691	27.793	3.626
5487	1.033	34.692	27.796	3.859

CAST CG2-91-DI -040 DATE 14 MAR 91 TIME 1602 GMT

LAT 27 20.0N LONG 151 59.9W



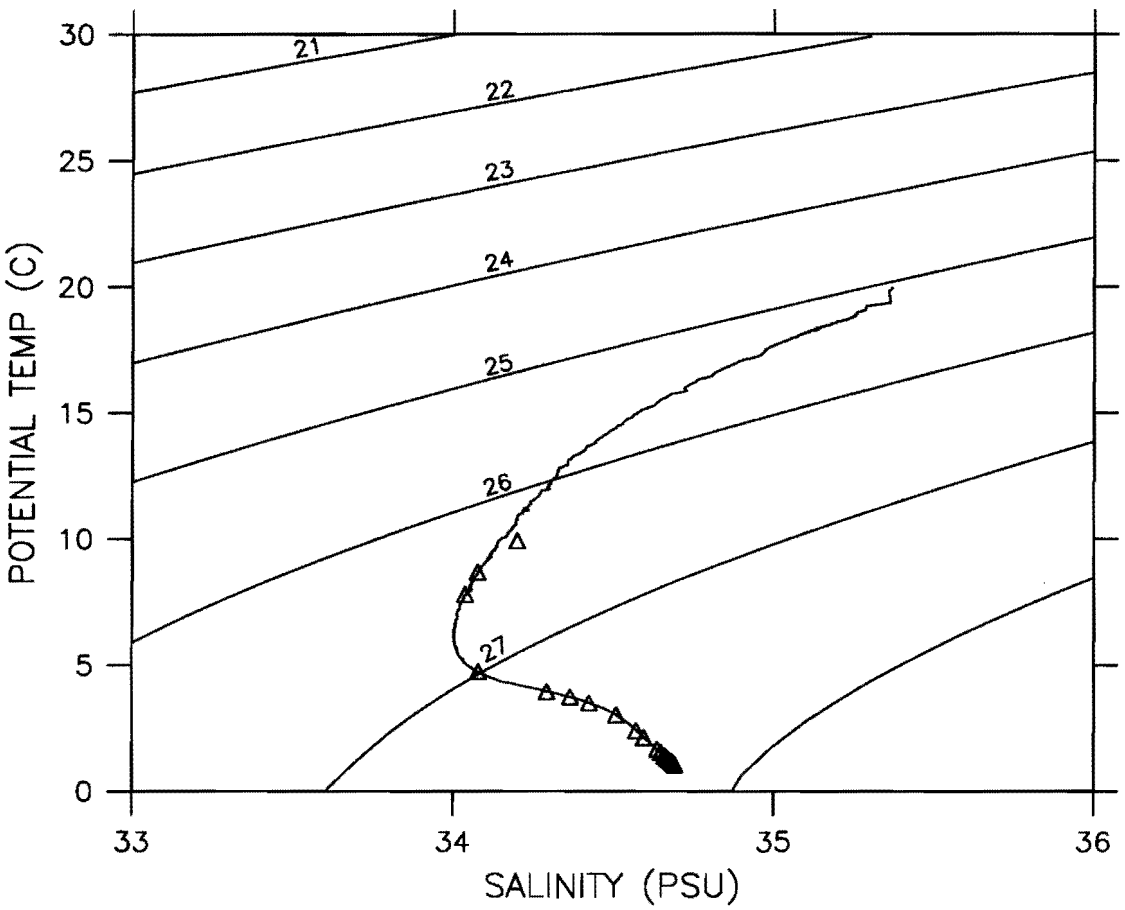


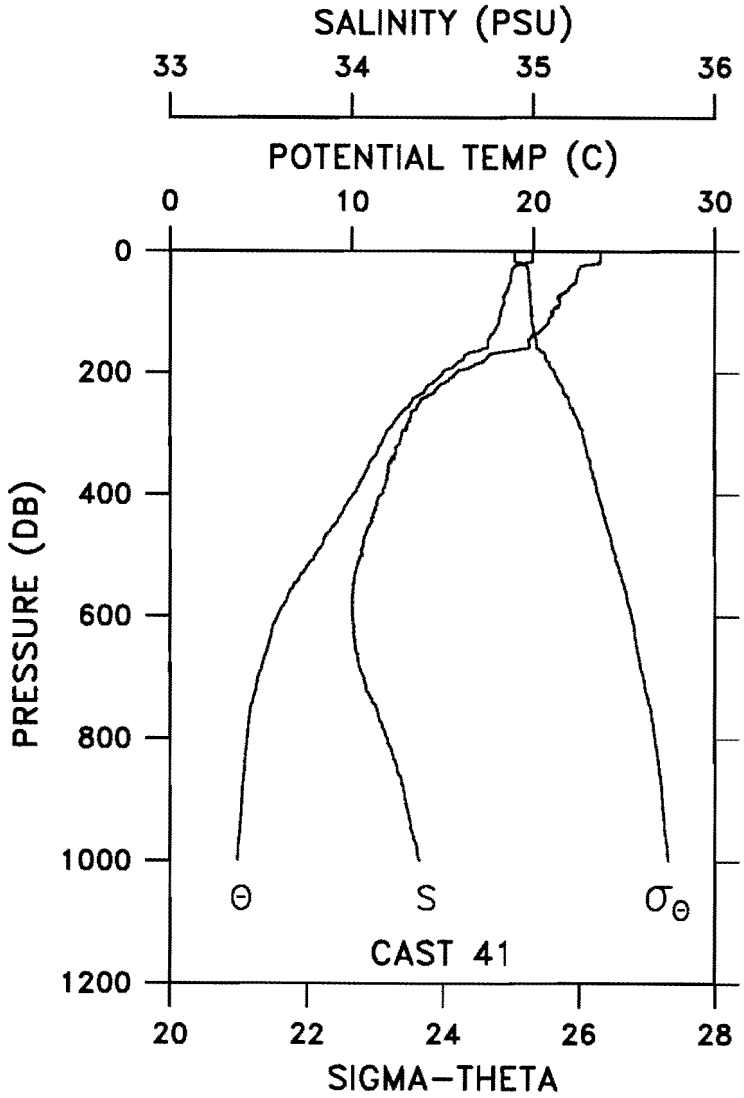
CAST CG2-91-DI -040 DATE 14 MAR 91 TIME 1602 GMT
LAT 27 20.0N LONG 151 59.9W WEATHER 1 SEA STATE 4
BAROMETER 29 WIND DIR 070 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 17.9 WET 16.1 DEPTH 5681 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.181	35.356	24.987	0.000
10	20.181	35.355	24.986	0.030
20	20.191	35.354	24.983	0.059
30	20.189	35.355	24.983	0.089
40	20.190	35.355	24.984	0.119
50	20.189	35.355	24.984	0.149
60	20.186	35.355	24.984	0.178
70	20.188	35.355	24.984	0.208
80	20.189	35.355	24.984	0.238
90	20.189	35.355	24.984	0.268
100	20.188	35.355	24.984	0.298
110	20.187	35.356	24.985	0.328
120	20.097	35.338	24.995	0.358
130	18.964	35.136	25.135	0.388
140	18.225	35.021	25.234	0.416
150	17.942	34.992	25.281	0.444
160	17.831	34.970	25.292	0.471
170	17.304	34.893	25.361	0.498
180	17.027	34.849	25.393	0.525
190	15.934	34.708	25.539	0.550
200	15.365	34.624	25.602	0.575
250	13.067	34.337	25.866	0.691
300	11.675	34.227	26.050	0.796
350	10.071	34.109	26.245	0.893
400	9.030	34.091	26.402	0.981
450	8.084	34.048	26.514	1.063
500	7.011	34.012	26.639	1.139
550	6.261	34.026	26.750	1.210
600	5.475	34.056	26.872	1.275
650	4.992	34.074	26.942	1.336
700	4.719	34.137	27.023	1.393
750	4.493	34.196	27.095	1.446
800	4.233	34.253	27.168	1.496
900	3.903	34.326	27.260	1.589
1000	3.624	34.413	27.357	1.674
1500	2.626	34.561	27.568	2.018
2000	1.932	34.614	27.668	2.296
2500	1.527	34.648	27.726	2.538
3000	1.338	34.666	27.754	2.765
3500	1.228	34.677	27.771	2.986
4000	1.162	34.683	27.779	3.209
4500	1.113	34.686	27.786	3.437
5000	1.066	34.690	27.792	3.670
5556	1.035	34.692	27.795	3.939

CAST CG2-91-DI -041 DATE 15 MAR 91 TIME 0100 GMT

LAT 28 01.4N LONG 151 59.3W



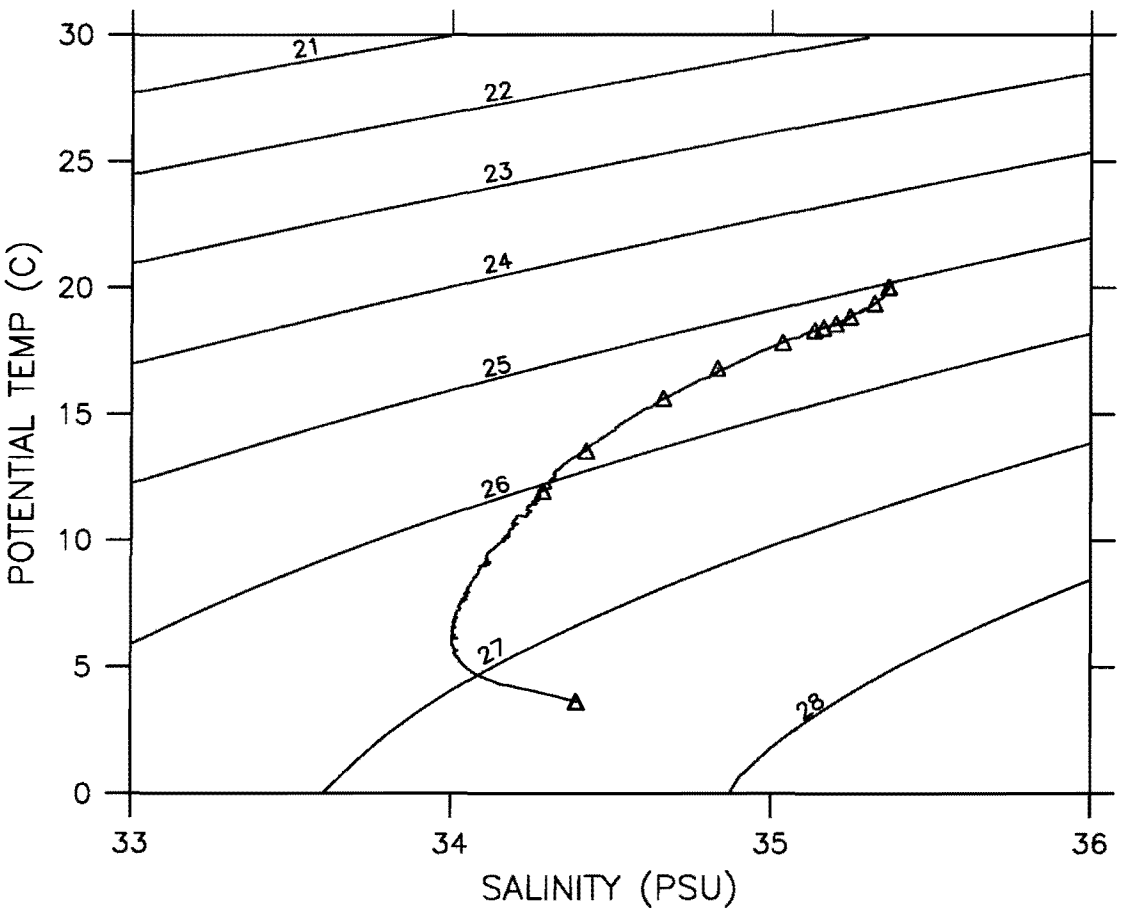


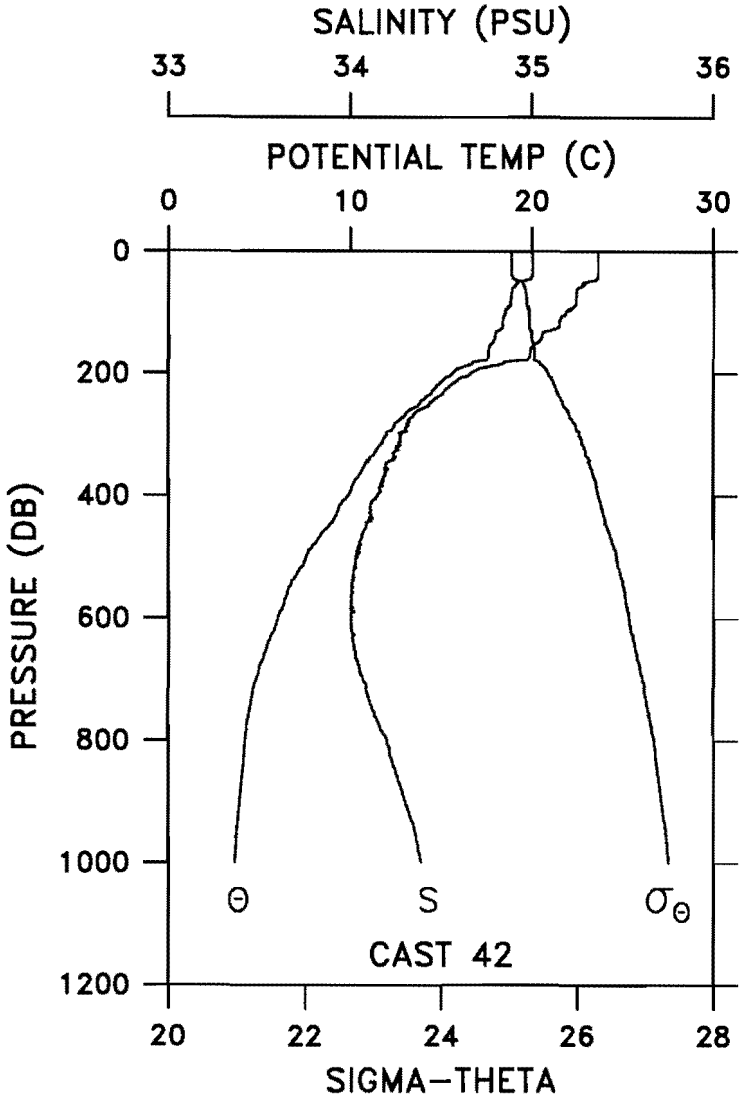
CAST CG2-91-DI -041 DATE 15 MAR 91 TIME 0100 GMT
LAT 28 01.4N LONG 151 59.3W WEATHER 1 SEA STATE 4
BAROMETER 29 WIND DIR 060 T SPD 22 KT VISIBILITY 9
CLOUD 8 AMOUNT 7 DRY 18.2 WET 15.8 DEPTH 5333 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	19.949	35.367	25.056	0.000
10	19.949	35.368	25.057	0.029
20	19.354	35.363	25.209	0.058
30	18.837	35.247	25.253	0.085
40	18.775	35.240	25.263	0.112
50	18.746	35.234	25.266	0.139
60	18.619	35.195	25.268	0.167
70	18.438	35.152	25.281	0.194
80	18.376	35.139	25.286	0.221
90	18.306	35.130	25.296	0.248
100	18.189	35.104	25.306	0.275
110	18.125	35.087	25.309	0.302
120	18.060	35.074	25.315	0.329
130	17.877	35.040	25.334	0.355
140	17.619	34.990	25.359	0.382
150	17.501	34.973	25.375	0.409
160	17.294	34.961	25.415	0.435
170	16.276	34.759	25.500	0.461
180	16.044	34.728	25.529	0.486
190	15.589	34.659	25.580	0.511
200	15.001	34.576	25.646	0.535
250	13.229	34.371	25.860	0.650
300	11.873	34.275	26.050	0.755
350	10.949	34.203	26.164	0.854
400	10.105	34.168	26.285	0.948
450	9.052	34.099	26.405	1.036
500	7.987	34.060	26.538	1.118
550	6.768	34.009	26.670	1.193
600	5.894	34.003	26.778	1.263
650	5.383	34.019	26.853	1.328
700	4.819	34.066	26.955	1.389
750	4.416	34.135	27.055	1.446
800	4.232	34.194	27.121	1.498
900	3.946	34.294	27.230	1.594
1000	3.703	34.370	27.315	1.682
1500	2.598	34.555	27.566	2.033
2000	1.892	34.616	27.673	2.308
2500	1.534	34.647	27.724	2.550
3000	1.334	34.666	27.754	2.776
3500	1.224	34.677	27.771	2.998
4000	1.157	34.683	27.780	3.220
4500	1.108	34.687	27.786	3.448
5000	1.062	34.690	27.792	3.681
5530	1.038	34.692	27.795	3.936

CAST CG2-91-DI -042 DATE 15 MAR 91 TIME 0855 GMT

LAT 28 00.0N LONG 151 59.7W



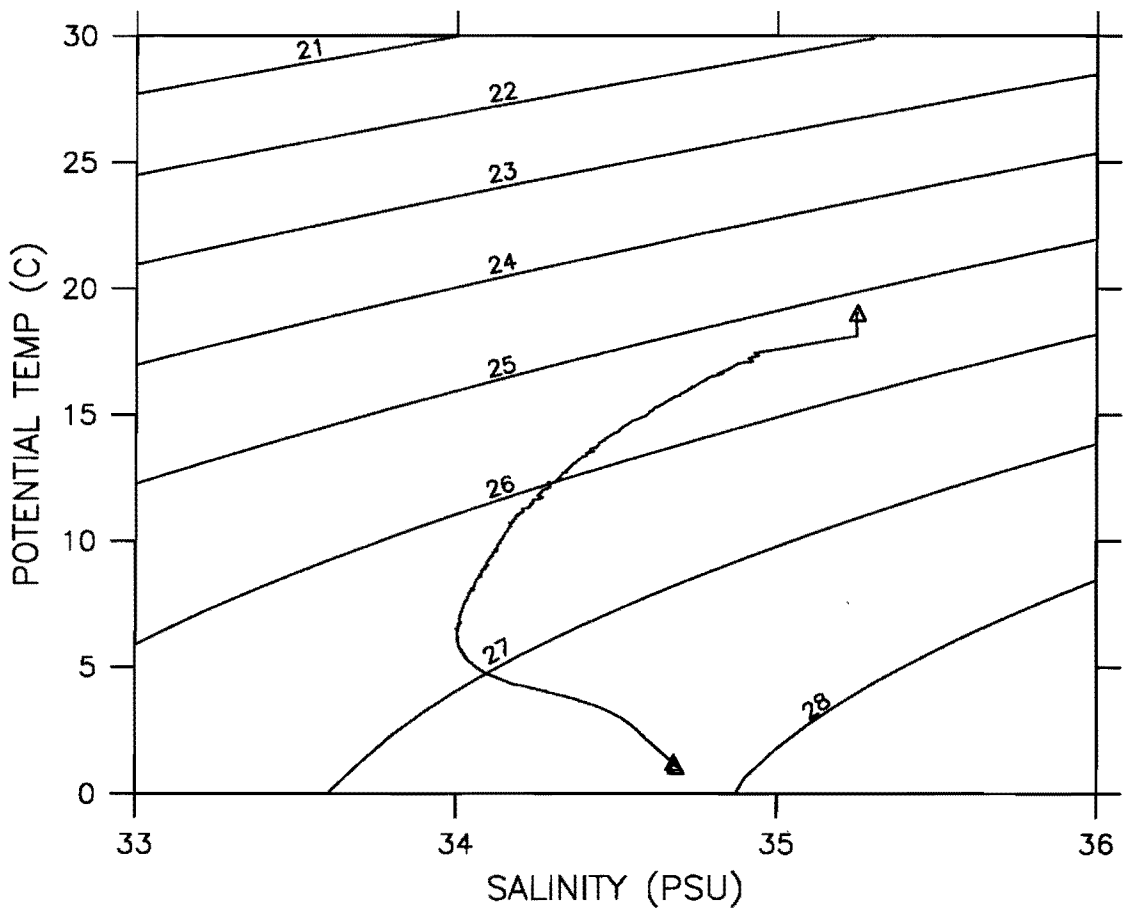


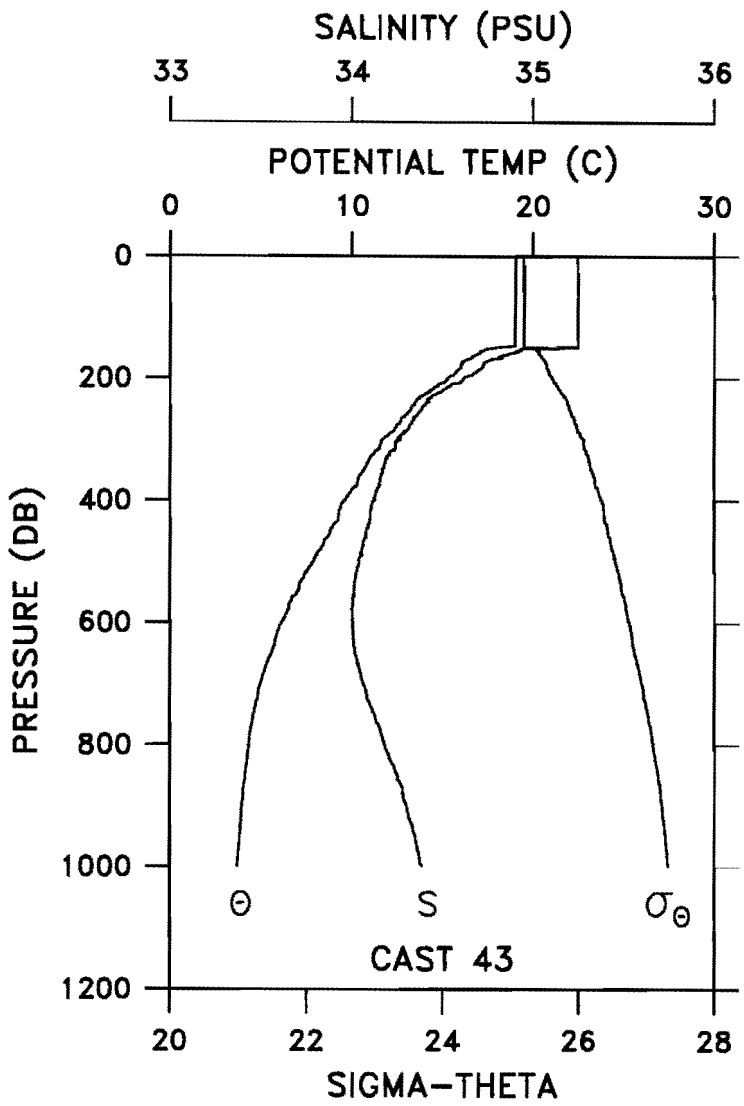
CAST CG2-91-DI -042 DATE 15 MAR 91 TIME 0855 GMT
LAT 28 00.0N LONG 151 59.7W WEATHER 1 SEA STATE 4
BAROMETER 31 WIND DIR 060 T SPD 25 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 17.1 WET 15.1 DEPTH 5516 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.040	35.366	25.032	0.000
10	20.042	35.365	25.030	0.029
20	20.047	35.367	25.030	0.058
30	20.042	35.367	25.032	0.088
40	20.007	35.366	25.041	0.117
50	19.192	35.297	25.200	0.146
60	18.989	35.257	25.222	0.173
70	18.865	35.244	25.243	0.201
80	18.833	35.243	25.251	0.228
90	18.812	35.239	25.253	0.256
100	18.544	35.187	25.281	0.283
110	18.414	35.159	25.292	0.310
120	18.384	35.151	25.293	0.337
130	18.165	35.098	25.307	0.364
140	17.953	35.053	25.325	0.391
150	17.801	35.029	25.344	0.418
160	17.617	34.993	25.361	0.445
170	17.589	34.987	25.364	0.471
180	16.996	34.886	25.428	0.498
190	16.183	34.749	25.513	0.524
200	15.644	34.665	25.571	0.548
250	13.829	34.438	25.789	0.667
300	12.009	34.283	26.031	0.774
350	10.791	34.195	26.186	0.873
400	9.864	34.149	26.311	0.965
450	8.807	34.086	26.433	1.051
500	7.566	34.034	26.579	1.131
550	6.605	34.007	26.690	1.205
600	6.009	34.003	26.764	1.275
650	5.378	34.018	26.853	1.341
700	4.804	34.068	26.958	1.401
750	4.466	34.126	27.042	1.457
800	4.201	34.203	27.131	1.510
900	3.918	34.304	27.241	1.605
1000	3.635	34.390	27.338	1.691
1007	3.627	34.391	27.340	1.696

CAST CG2-91-DI -043 DATE 15 MAR 91 TIME 1638 GMT

LAT 28 39.8N LONG 151 59.9W



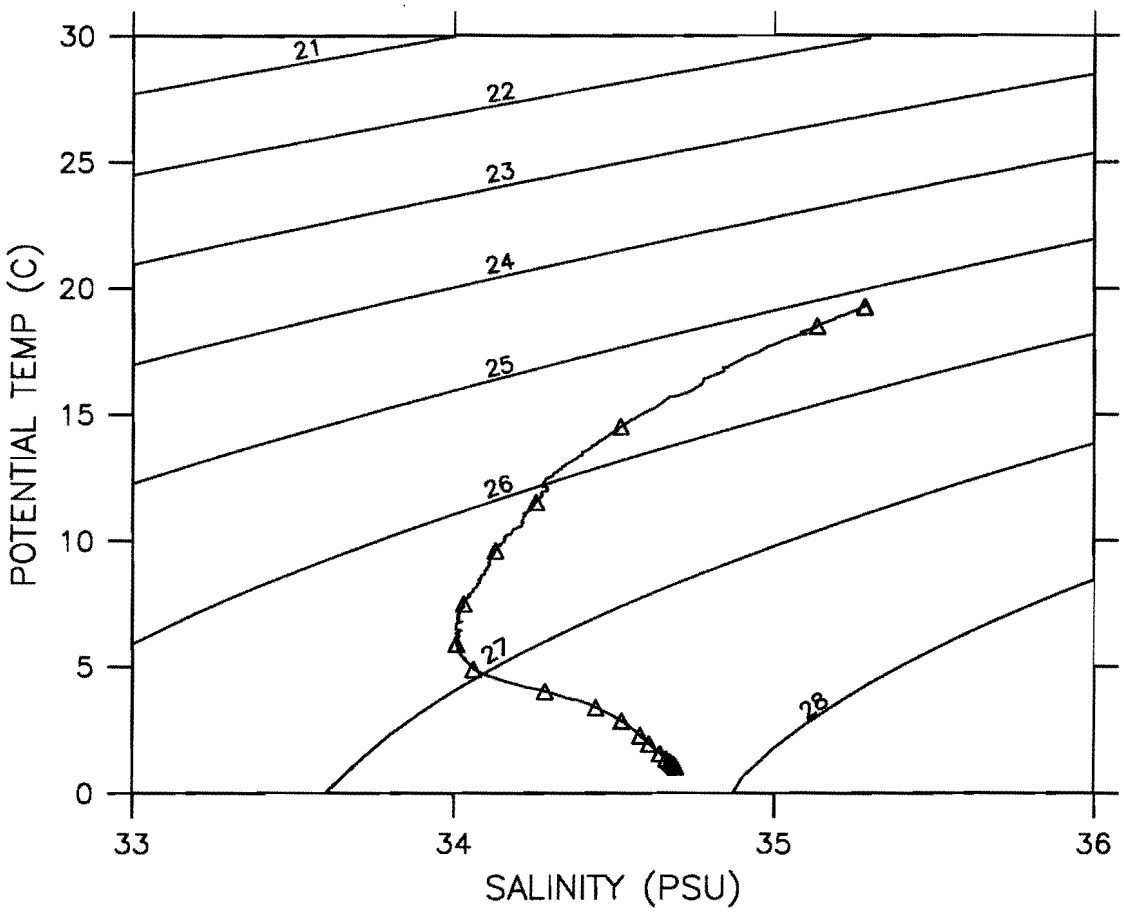


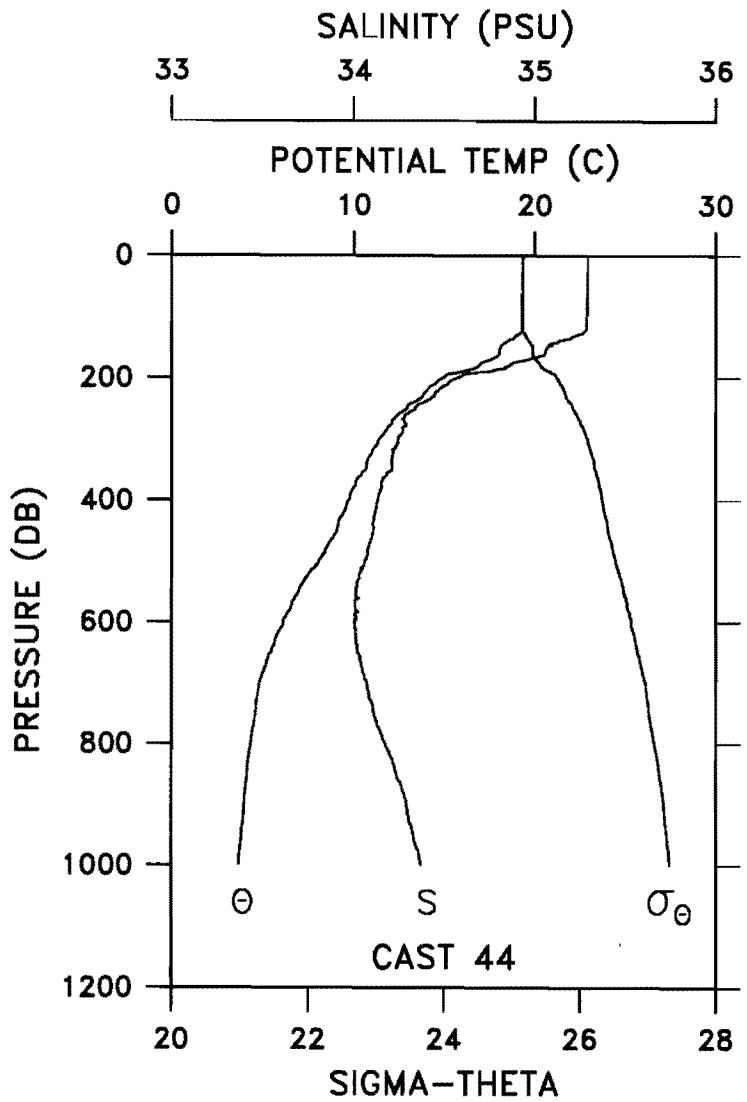
CAST CG2-91-DI -043 DATE 15 MAR 91 TIME 1638 GMT
LAT 28 39.8N LONG 151 59.9W WEATHER 1 SEA STATE 4
BAROMETER 31 WIND DIR 060 T SPD 22 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 17.3 WET 14.0 DEPTH 5602 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	19.029	35.245	25.202	0.000
10	19.028	35.245	25.203	0.028
20	19.025	35.246	25.204	0.055
30	19.026	35.246	25.204	0.083
40	19.021	35.246	25.205	0.110
50	19.023	35.248	25.206	0.138
60	19.023	35.248	25.206	0.166
70	19.027	35.247	25.204	0.194
80	19.029	35.248	25.204	0.221
90	19.029	35.247	25.204	0.249
100	19.029	35.247	25.204	0.277
110	19.028	35.248	25.204	0.305
120	19.026	35.247	25.205	0.333
130	19.026	35.247	25.205	0.361
140	19.027	35.248	25.205	0.389
150	17.891	35.144	25.410	0.417
160	16.960	34.867	25.423	0.443
170	16.342	34.770	25.493	0.469
180	16.020	34.724	25.532	0.494
190	15.731	34.683	25.566	0.519
200	15.287	34.616	25.614	0.543
250	13.259	34.387	25.866	0.658
300	11.723	34.265	26.071	0.764
350	10.661	34.172	26.192	0.862
400	9.586	34.126	26.339	0.954
450	8.808	34.082	26.430	1.040
500	7.892	34.040	26.536	1.121
550	7.028	34.012	26.637	1.197
600	6.136	34.005	26.749	1.268
650	5.596	34.018	26.827	1.334
700	4.968	34.066	26.939	1.396
750	4.594	34.126	27.028	1.454
800	4.323	34.182	27.102	1.507
900	3.958	34.302	27.235	1.604
1000	3.687	34.383	27.327	1.690
1500	2.639	34.553	27.560	2.045
2000	1.905	34.616	27.671	2.322
2500	1.547	34.647	27.723	2.566
3000	1.351	34.665	27.752	2.794
3500	1.234	34.676	27.769	3.015
4000	1.162	34.683	27.780	3.239
4500	1.110	34.686	27.786	3.466
5000	1.075	34.689	27.791	3.701
5659	1.041	34.692	27.795	4.021

CAST CG2-91-DI -044 DATE 16 MAR 91 TIME 0137 GMT

LAT 29 20.7N LONG 151 58.3W



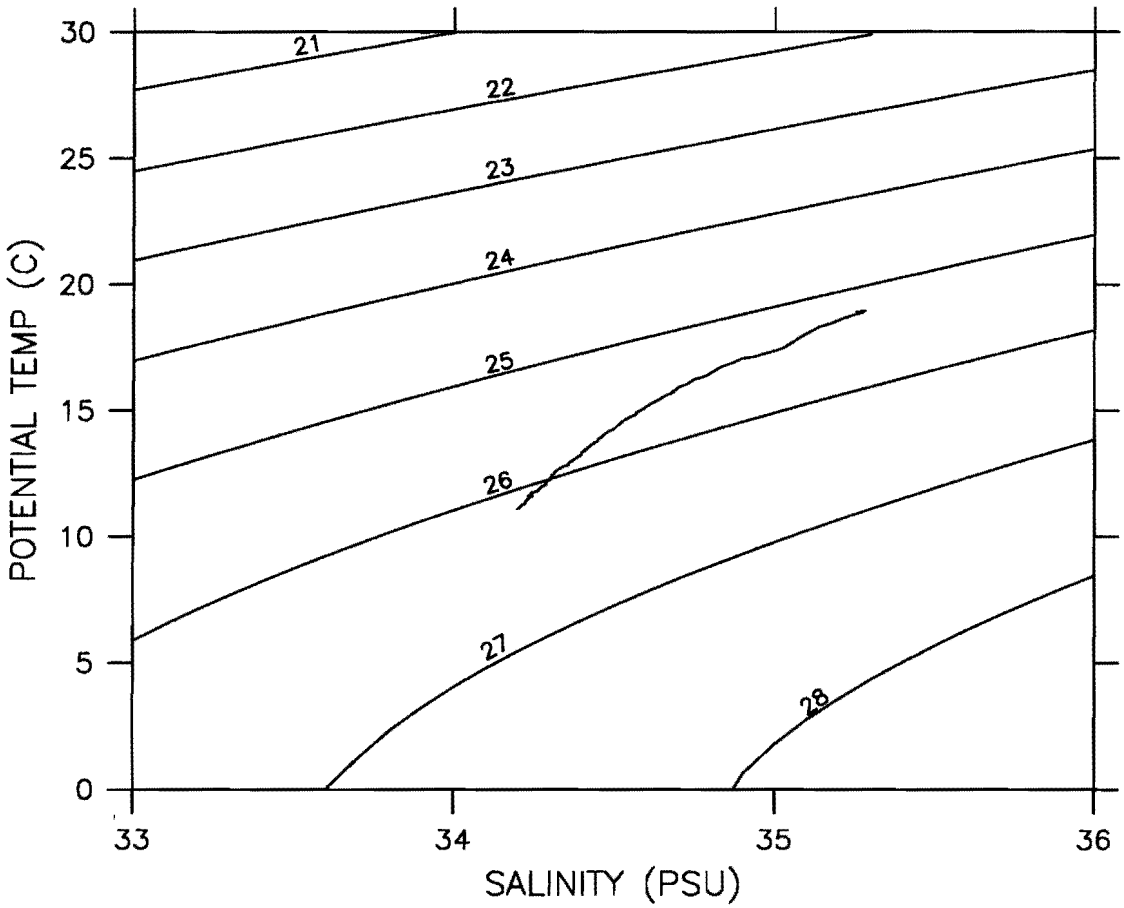


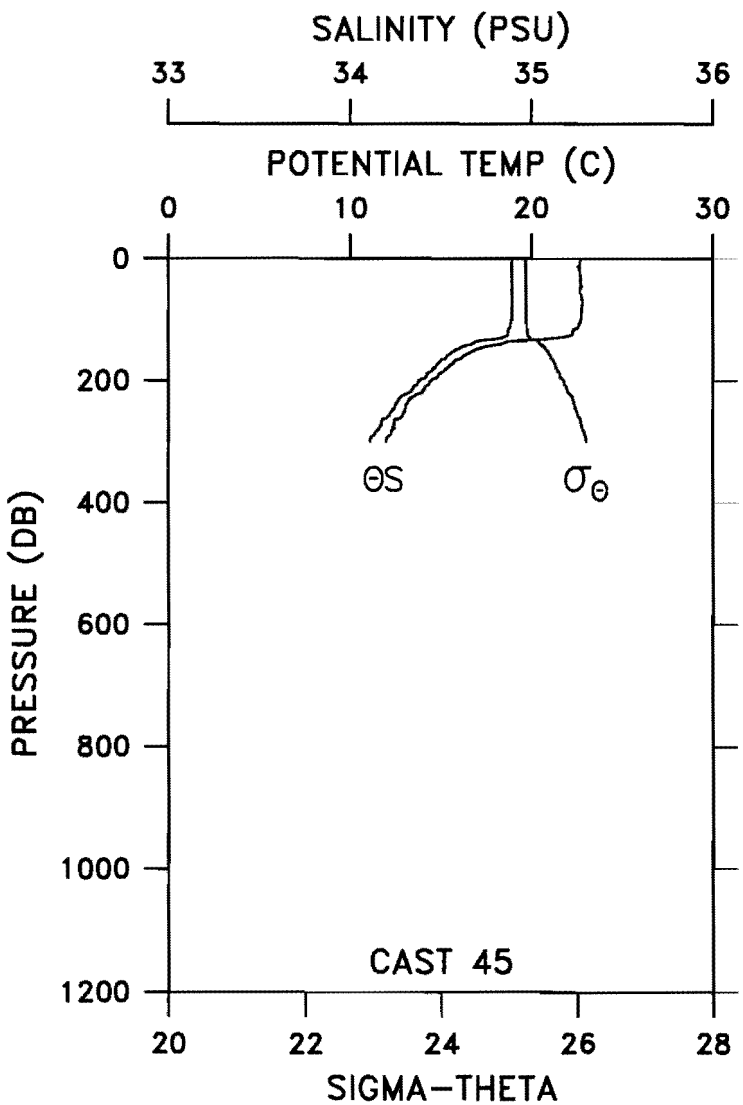
CAST CG2-91-DI -044 DATE 16 MAR 91 TIME 0137 GMT
LAT 29 20.7N LONG 151 58.3W WEATHER 1 SEA STATE 4
BAROMETER 32 WIND DIR 065 T SPD 20 KT VISIBILITY 9
CLOUD 8 AMOUNT 6 DRY 18.7 WET 15.9 DEPTH 5267 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	19.371	35.293	25.151	0.000
10	19.370	35.294	25.152	0.028
20	19.362	35.294	25.154	0.056
30	19.344	35.292	25.157	0.084
40	19.338	35.292	25.159	0.112
50	19.322	35.291	25.162	0.140
60	19.321	35.291	25.162	0.169
70	19.313	35.290	25.164	0.197
80	19.309	35.289	25.164	0.225
90	19.311	35.290	25.164	0.253
100	19.305	35.288	25.164	0.282
110	19.303	35.287	25.164	0.310
120	19.294	35.286	25.165	0.338
130	19.000	35.233	25.200	0.366
140	18.479	35.132	25.255	0.394
150	18.115	35.071	25.299	0.422
160	18.050	35.057	25.305	0.449
170	17.576	34.964	25.349	0.476
180	16.949	34.861	25.421	0.502
190	15.890	34.732	25.567	0.528
200	14.902	34.571	25.664	0.552
250	12.951	34.343	25.894	0.665
300	11.416	34.248	26.114	0.768
350	10.670	34.211	26.220	0.864
400	9.730	34.135	26.323	0.954
450	9.061	34.110	26.412	1.041
500	8.093	34.062	26.523	1.123
550	6.970	34.012	26.644	1.200
600	6.133	34.003	26.748	1.270
650	5.468	34.021	26.844	1.337
700	4.824	34.075	26.962	1.397
750	4.618	34.113	27.015	1.454
800	4.367	34.175	27.092	1.508
900	3.993	34.295	27.226	1.606
1000	3.708	34.375	27.318	1.694
1500	2.621	34.551	27.561	2.046
2000	1.920	34.614	27.669	2.325
2500	1.551	34.646	27.723	2.569
3000	1.347	34.665	27.752	2.796
3500	1.230	34.678	27.771	3.018
4000	1.161	34.683	27.780	3.241
4500	1.110	34.687	27.786	3.468
5000	1.065	34.690	27.792	3.702
5434	1.052	34.691	27.794	3.911

CAST CG2-91-DI -045 DATE 16 MAR 91 TIME 0918 GMT

LAT 30 00.0N LONG 152 00.0W



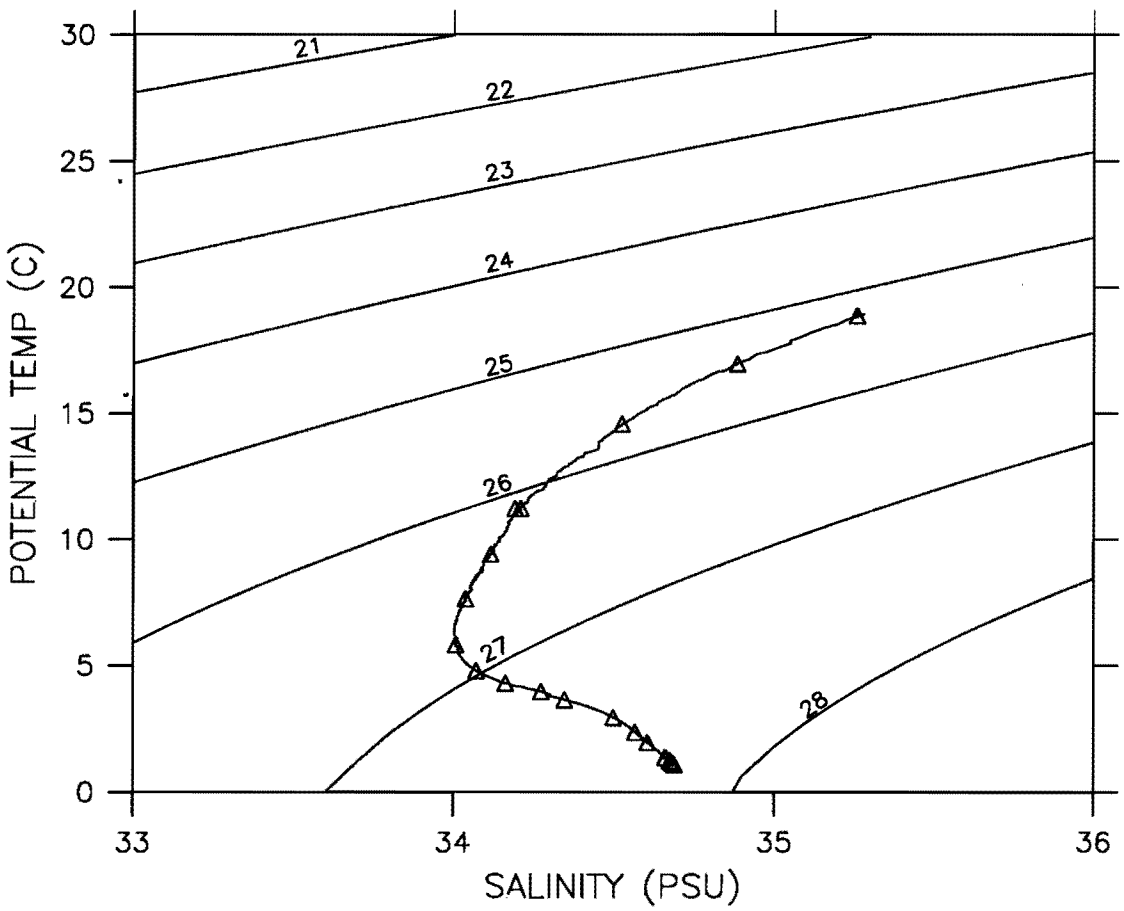


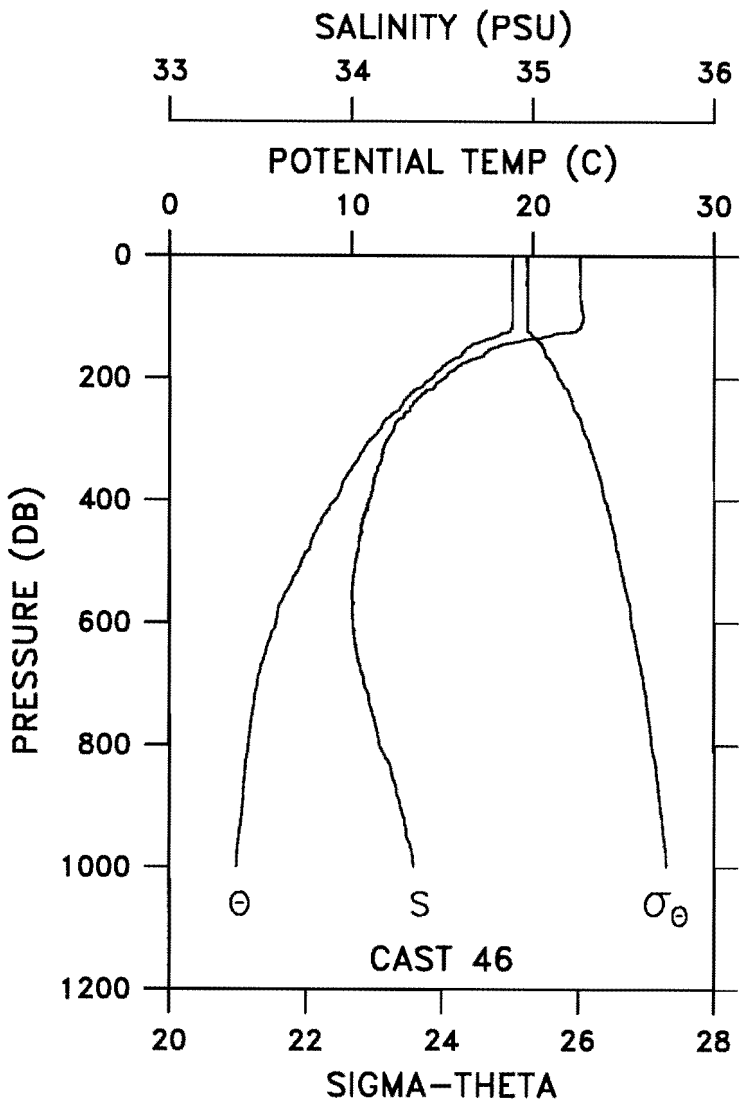
CAST CG2-91-DI -045 DATE 16 MAR 91 TIME 0918 GMT
LAT 30 00.0N LONG 152 00.0W WEATHER 1 SEA STATE 4
BAROMETER 34 WIND DIR 050 T SPD 20 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 16.7 WET 14.5 DEPTH 5397 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	18.928	35.269	25.247	0.000
10	18.916	35.266	25.247	0.027
20	18.913	35.266	25.248	0.054
30	18.921	35.270	25.249	0.082
40	18.929	35.270	25.247	0.109
50	18.915	35.265	25.247	0.136
60	18.929	35.272	25.248	0.163
70	18.944	35.281	25.251	0.191
80	18.924	35.277	25.253	0.218
90	18.917	35.275	25.254	0.246
100	18.890	35.271	25.258	0.273
110	18.836	35.259	25.262	0.300
120	18.709	35.227	25.270	0.328
130	18.318	35.139	25.301	0.355
140	16.727	34.830	25.449	0.381
150	15.774	34.684	25.557	0.406
160	15.316	34.623	25.612	0.431
170	14.924	34.568	25.656	0.455
180	14.618	34.531	25.694	0.478
190	14.198	34.486	25.749	0.501
200	13.780	34.446	25.806	0.524
250	12.317	34.304	25.988	0.632
300	11.086	34.197	26.135	0.732
300	11.086	34.197	26.135	0.732

CAST CG2-91-DI -046 DATE 16 MAR 91 TIME 1425 GMT

LAT 30 00.0N LONG 152 00.5W



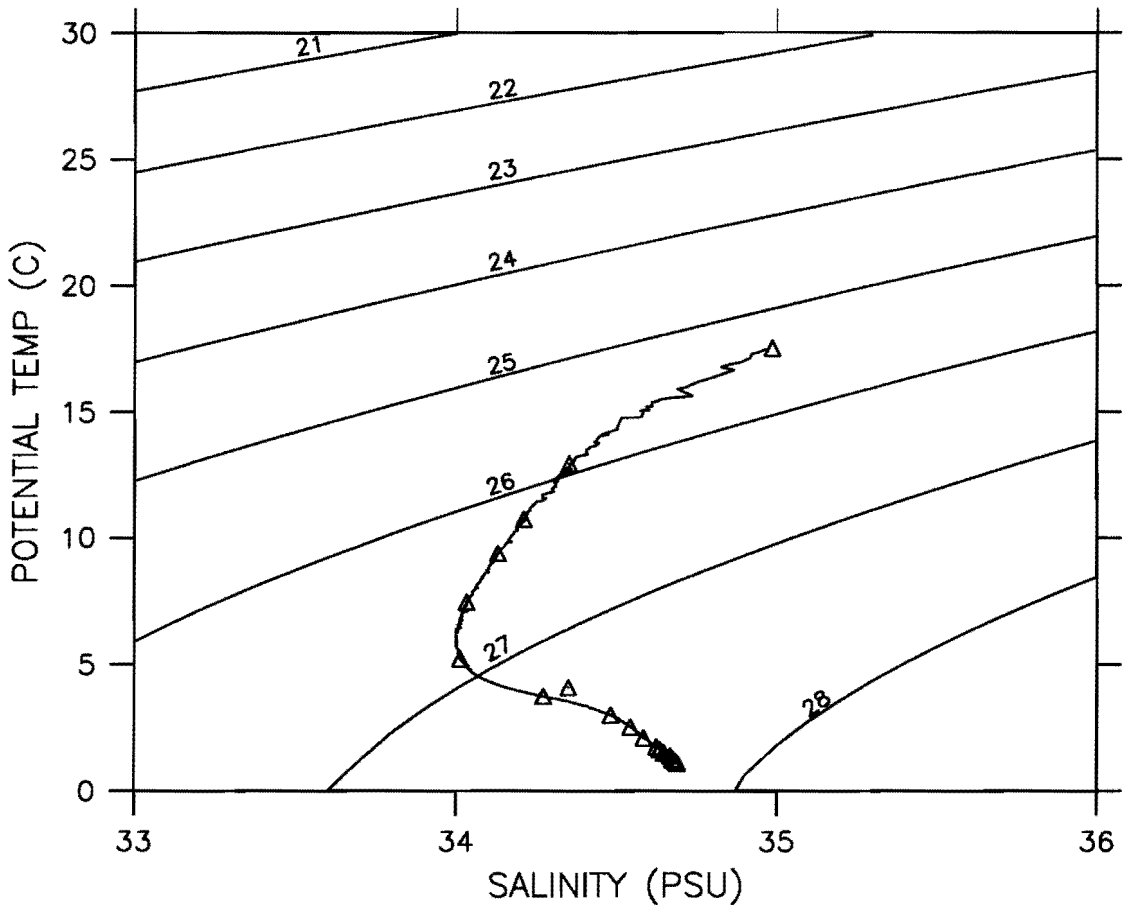


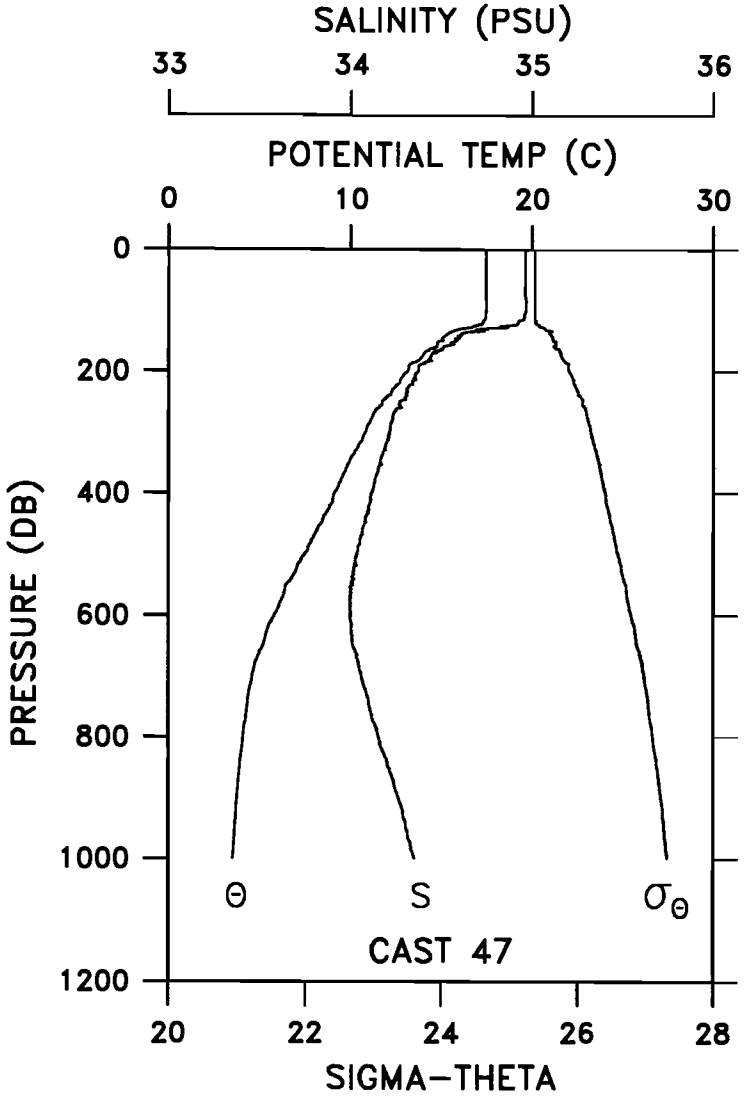
CAST CG2-91-DI -046 DATE 16 MAR 91 TIME 1425 GMT
LAT 30 00.0N LONG 152 00.5W WEATHER 1 SEA STATE 4
BAROMETER 33 WIND DIR 030 T SPD 16 KT VISIBILITY 7
CLOUD 0 AMOUNT 4 DRY 16.5 WET 14.1 DEPTH 5400 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	18.897	35.261	25.248	0.000
10	18.890	35.260	25.249	0.027
20	18.888	35.261	25.250	0.054
30	18.889	35.262	25.251	0.081
40	18.901	35.265	25.250	0.109
50	18.891	35.261	25.250	0.136
60	18.892	35.263	25.251	0.163
70	18.891	35.262	25.250	0.191
80	18.916	35.272	25.251	0.218
90	18.913	35.273	25.253	0.245
100	18.918	35.280	25.257	0.273
110	18.882	35.271	25.259	0.300
120	18.794	35.248	25.264	0.328
130	18.143	35.104	25.318	0.355
140	17.122	34.919	25.424	0.381
150	16.422	34.788	25.488	0.407
160	16.117	34.735	25.518	0.432
170	15.561	34.657	25.584	0.457
180	15.069	34.591	25.643	0.481
190	14.693	34.544	25.688	0.505
200	14.443	34.513	25.717	0.528
250	12.655	34.322	25.937	0.639
300	11.035	34.197	26.145	0.740
350	9.993	34.144	26.285	0.833
400	9.105	34.098	26.396	0.920
450	8.059	34.053	26.522	1.002
500	7.239	34.024	26.617	1.079
550	6.405	34.004	26.714	1.152
600	5.830	34.008	26.790	1.219
650	5.257	34.029	26.876	1.283
700	4.805	34.070	26.960	1.343
750	4.523	34.117	27.028	1.400
800	4.312	34.154	27.081	1.453
900	3.985	34.268	27.206	1.552
1000	3.655	34.345	27.300	1.641
1500	2.610	34.544	27.556	1.998
2000	1.889	34.613	27.670	2.276
2500	1.552	34.644	27.721	2.518
3000	1.341	34.665	27.752	2.747
3500	1.219	34.676	27.771	2.969
4000	1.150	34.683	27.780	3.191
4500	1.114	34.687	27.786	3.418
5000	1.096	34.688	27.789	3.653
5111	1.093	34.690	27.790	3.707

CAST CG2-91-DI -047 DATE 17 MAR 91 TIME 1030 GMT

LAT 30 39.8N LONG 151 59.5W



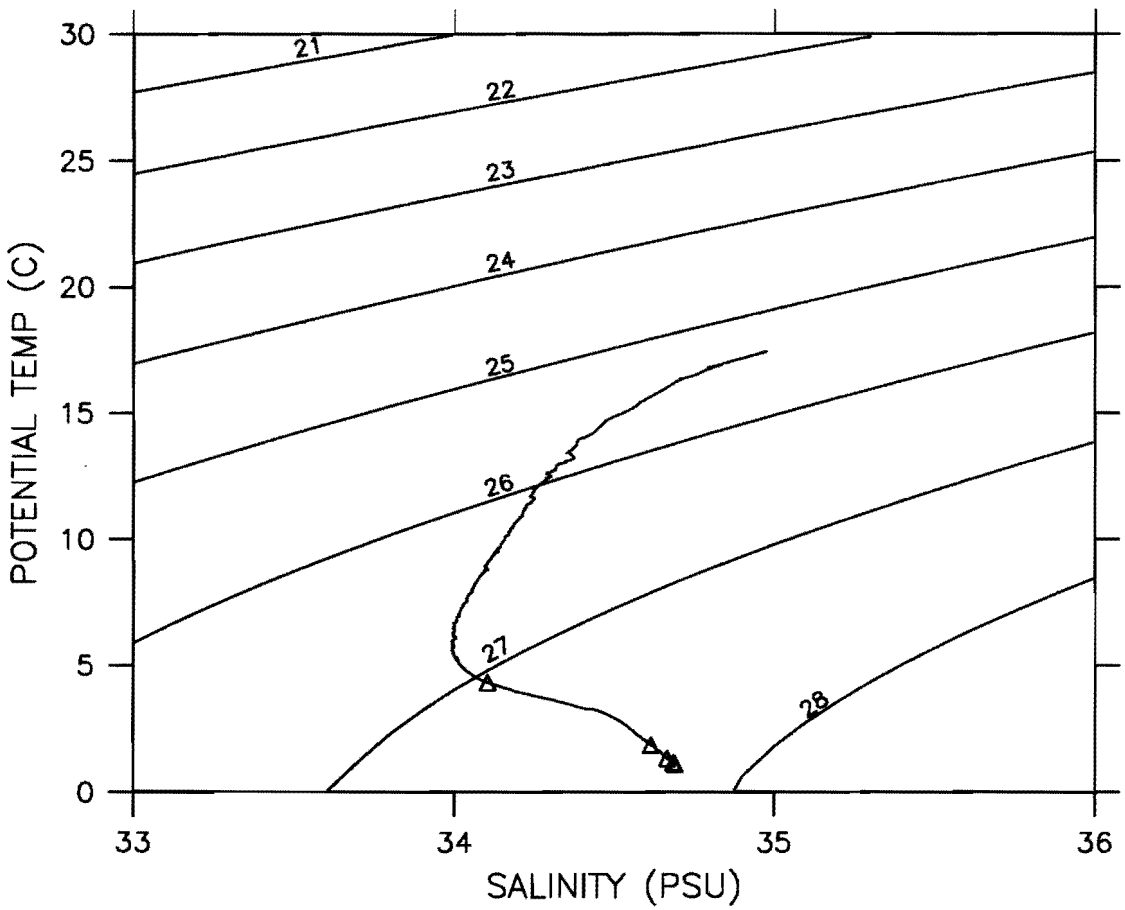


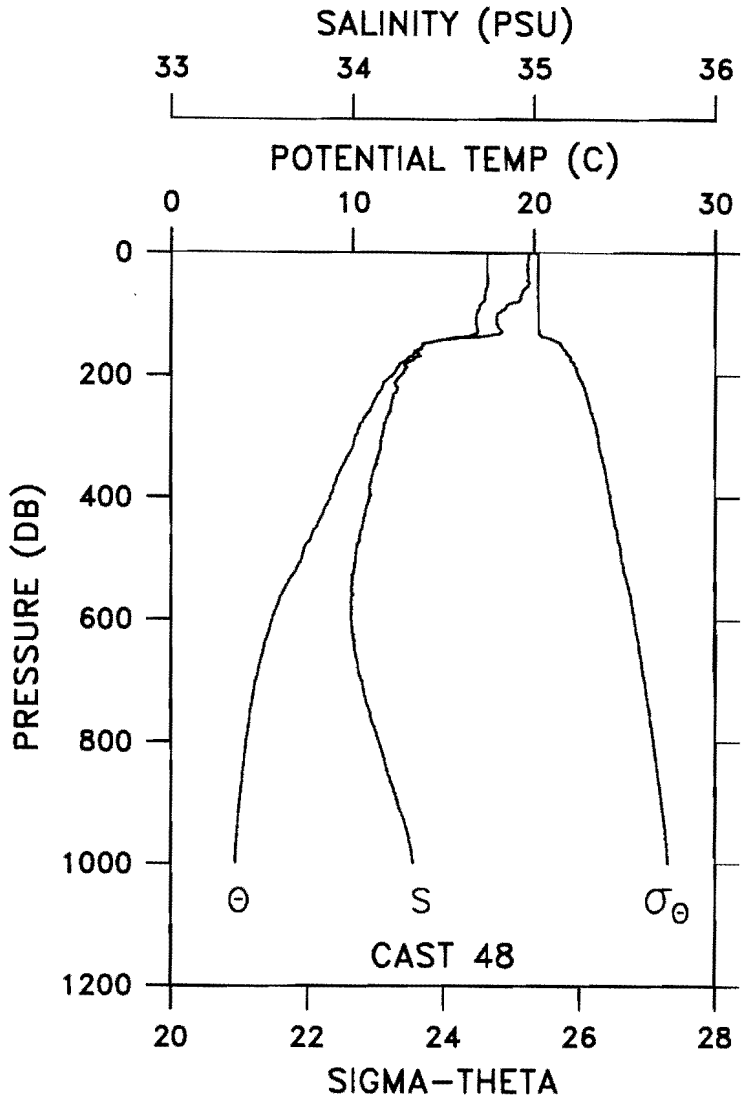
CAST CG2-91-DI -047 DATE 17 MAR 91 TIME 1030 GMT
LAT 30 39.8N LONG 151 59.5W WEATHER 2 SEA STATE 4
BAROMETER 32 WIND DIR 045 T SPD 17 KT VISIBILITY 8
CLOUD 8 AMOUNT 8 DRY 15.0 WET 12.4 DEPTH 5449 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	17.457	34.964	25.378	0.000
10	17.465	34.964	25.376	0.026
20	17.458	34.964	25.378	0.052
30	17.458	34.964	25.378	0.078
40	17.458	34.963	25.377	0.104
50	17.443	34.959	25.377	0.130
60	17.446	34.960	25.378	0.156
70	17.441	34.959	25.378	0.182
80	17.450	34.962	25.378	0.208
90	17.467	34.966	25.377	0.234
100	17.462	34.967	25.379	0.261
110	17.441	34.958	25.378	0.287
120	17.277	34.924	25.391	0.313
130	16.157	34.747	25.518	0.339
140	15.278	34.611	25.611	0.363
150	15.079	34.585	25.635	0.387
160	14.715	34.513	25.659	0.411
170	14.082	34.474	25.764	0.434
180	13.814	34.433	25.788	0.457
190	13.215	34.379	25.870	0.479
200	13.144	34.372	25.878	0.500
250	11.719	34.269	26.075	0.604
300	10.819	34.215	26.197	0.701
350	9.933	34.164	26.311	0.792
400	9.097	34.115	26.410	0.879
450	8.354	34.078	26.497	0.962
500	7.463	34.035	26.594	1.040
550	6.436	34.015	26.718	1.113
600	5.802	34.004	26.790	1.182
650	5.175	34.014	26.874	1.246
700	4.590	34.061	26.977	1.305
750	4.310	34.105	27.042	1.361
800	4.092	34.154	27.104	1.414
900	3.756	34.265	27.226	1.510
1000	3.525	34.352	27.318	1.597
1500	2.526	34.547	27.566	1.948
2000	1.821	34.616	27.678	2.220
2500	1.496	34.650	27.729	2.458
3000	1.307	34.668	27.758	2.681
3500	1.205	34.678	27.773	2.900
4000	1.147	34.685	27.782	3.121
4500	1.111	34.688	27.787	3.348
5000	1.091	34.690	27.790	3.582
5420	1.081	34.690	27.791	3.787

CAST CG2-91-DI -048 DATE 17 MAR 91 TIME 1841 GMT

LAT 31 20.1N LONG 152 00.1W



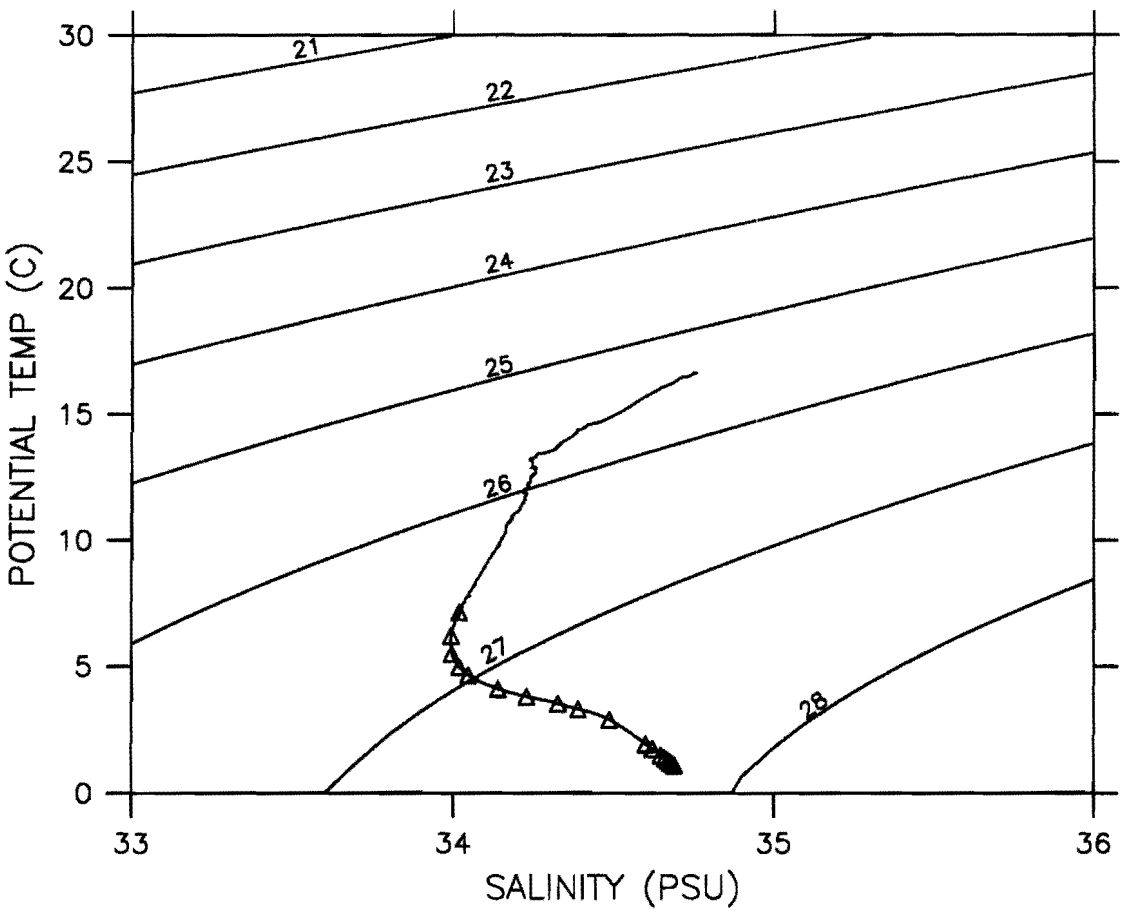


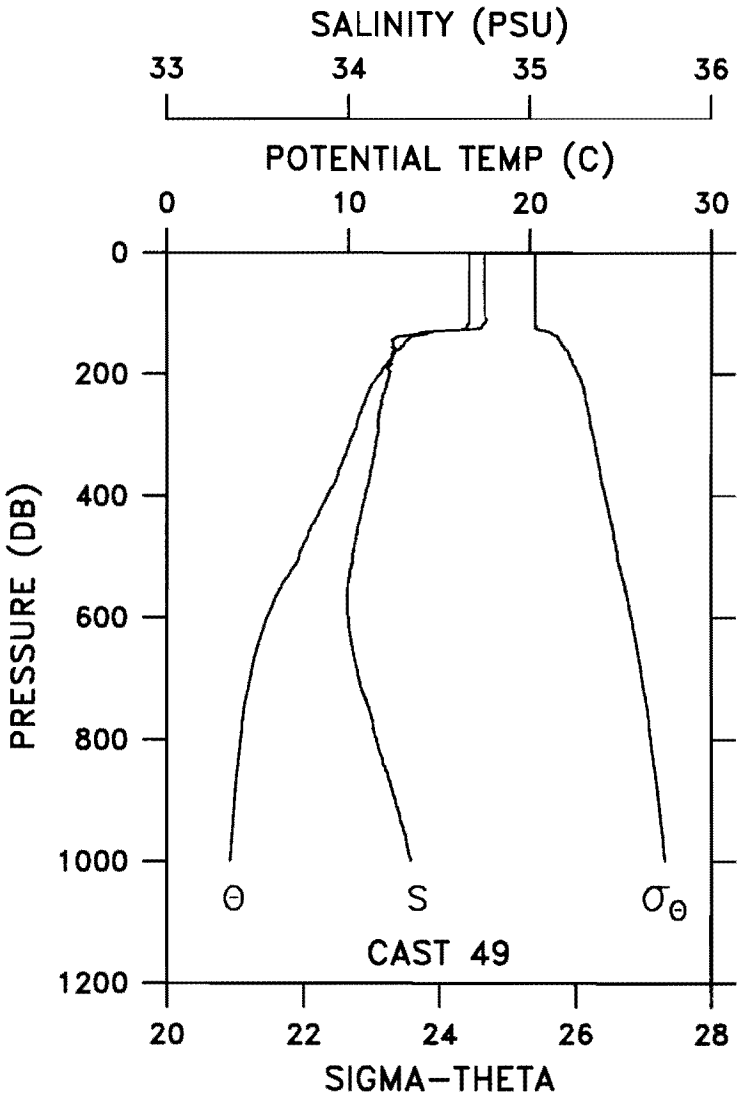
CAST CG2-91-DI -048 DATE 17 MAR 91 TIME 1841 GMT
LAT 31 20.1N LONG 152 00.1W WEATHER 2 SEA STATE 4
BAROMETER 33 WIND DIR 030 T SPD 18 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 14.8 WET 12.2 DEPTH 5465 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	17.404	34.970	25.395	0.000
10	17.407	34.970	25.395	0.026
20	17.412	34.966	25.390	0.052
30	17.411	34.966	25.391	0.077
40	17.425	34.970	25.391	0.103
50	17.424	34.972	25.392	0.129
60	17.323	34.941	25.393	0.155
70	17.271	34.927	25.395	0.181
80	17.199	34.907	25.397	0.207
90	16.987	34.844	25.398	0.233
100	16.818	34.797	25.402	0.259
110	16.803	34.793	25.403	0.285
120	16.809	34.799	25.406	0.311
130	16.865	34.822	25.410	0.337
140	15.294	34.569	25.575	0.363
150	13.900	34.383	25.732	0.386
160	13.444	34.353	25.803	0.409
170	13.121	34.358	25.872	0.431
180	12.644	34.294	25.917	0.453
190	12.426	34.284	25.952	0.474
200	12.199	34.269	25.984	0.495
250	11.093	34.213	26.146	0.593
300	10.132	34.161	26.275	0.686
350	9.393	34.124	26.369	0.775
400	8.742	34.091	26.447	0.859
450	7.966	34.054	26.536	0.940
500	7.176	34.017	26.621	1.016
550	6.242	33.997	26.729	1.088
600	5.577	33.993	26.809	1.155
650	5.084	34.013	26.883	1.218
700	4.667	34.050	26.959	1.278
750	4.360	34.094	27.027	1.335
800	4.135	34.148	27.094	1.388
900	3.782	34.251	27.212	1.486
1000	3.529	34.336	27.305	1.574
1500	2.568	34.540	27.557	1.929
2000	1.852	34.614	27.674	2.204
2500	1.512	34.647	27.726	2.444
3000	1.316	34.665	27.755	2.670
3500	1.205	34.678	27.773	2.890
4000	1.147	34.684	27.782	3.111
4500	1.113	34.687	27.786	3.338
5000	1.095	34.689	27.789	3.573
5513	1.082	34.689	27.790	3.824

CAST CG2-91-DI -049 DATE 18 MAR 91 TIME 0339 GMT

LAT 32 10.1N LONG 152 00.3W



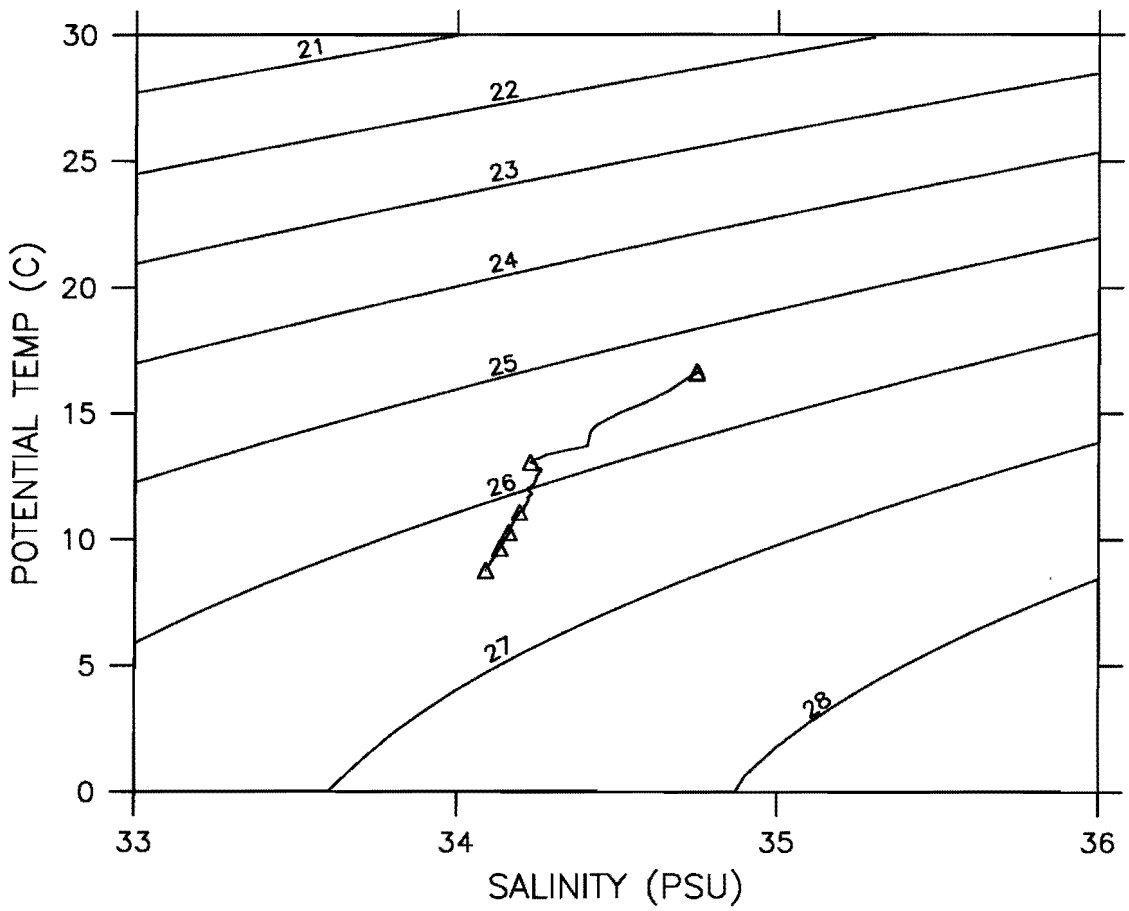


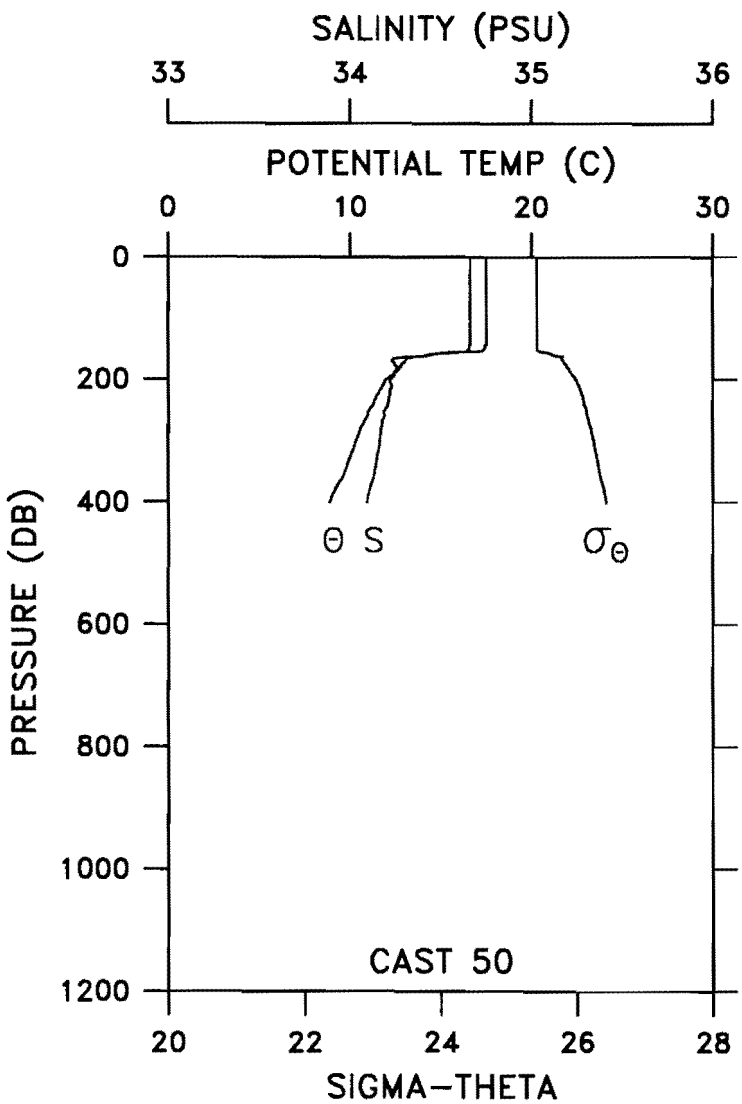
CAST CG2-91-DI -049 DATE 18 MAR 91 TIME 0339 GMT
LAT 32 10.1N LONG 152 00.3W WEATHER 2 SEA STATE 4
BAROMETER 30 WIND DIR 020 T SPD 16 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 14.0 WET 11.9 DEPTH 5262 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	16.658	34.750	25.404	0.000
10	16.661	34.749	25.403	0.026
20	16.656	34.750	25.404	0.051
30	16.648	34.750	25.406	0.077
40	16.634	34.749	25.409	0.103
50	16.629	34.748	25.410	0.129
60	16.628	34.749	25.410	0.154
70	16.627	34.749	25.411	0.180
80	16.628	34.750	25.411	0.206
90	16.630	34.751	25.411	0.232
100	16.632	34.752	25.412	0.258
110	16.643	34.759	25.414	0.284
120	16.531	34.737	25.423	0.309
130	14.716	34.463	25.620	0.335
140	13.404	34.258	25.737	0.358
150	13.073	34.245	25.794	0.381
160	12.794	34.253	25.855	0.403
170	12.449	34.238	25.912	0.424
180	12.201	34.229	25.952	0.445
190	11.929	34.216	25.994	0.466
200	11.729	34.225	26.038	0.486
250	10.844	34.186	26.170	0.584
300	10.247	34.160	26.254	0.677
350	9.572	34.129	26.344	0.766
400	8.842	34.092	26.432	0.851
450	7.935	34.050	26.538	0.932
500	7.266	34.022	26.612	1.009
550	6.280	33.994	26.722	1.081
600	5.514	33.995	26.818	1.148
650	4.955	34.019	26.903	1.211
700	4.582	34.055	26.973	1.270
750	4.238	34.113	27.056	1.325
800	4.049	34.156	27.110	1.377
900	3.723	34.259	27.225	1.474
1000	3.475	34.342	27.315	1.561
1500	2.513	34.537	27.559	1.914
2000	1.837	34.612	27.673	2.190
2500	1.515	34.646	27.725	2.431
3000	1.317	34.666	27.756	2.657
3500	1.205	34.678	27.772	2.876
4000	1.144	34.685	27.782	3.097
4500	1.109	34.688	27.787	3.324
5000	1.093	34.689	27.789	3.558
5007	1.093	34.689	27.790	3.561

CAST CG2-91-DI -050 DATE 18 MAR 91 TIME 0747 GMT

LAT 32 10.5N LONG 152 00.6W



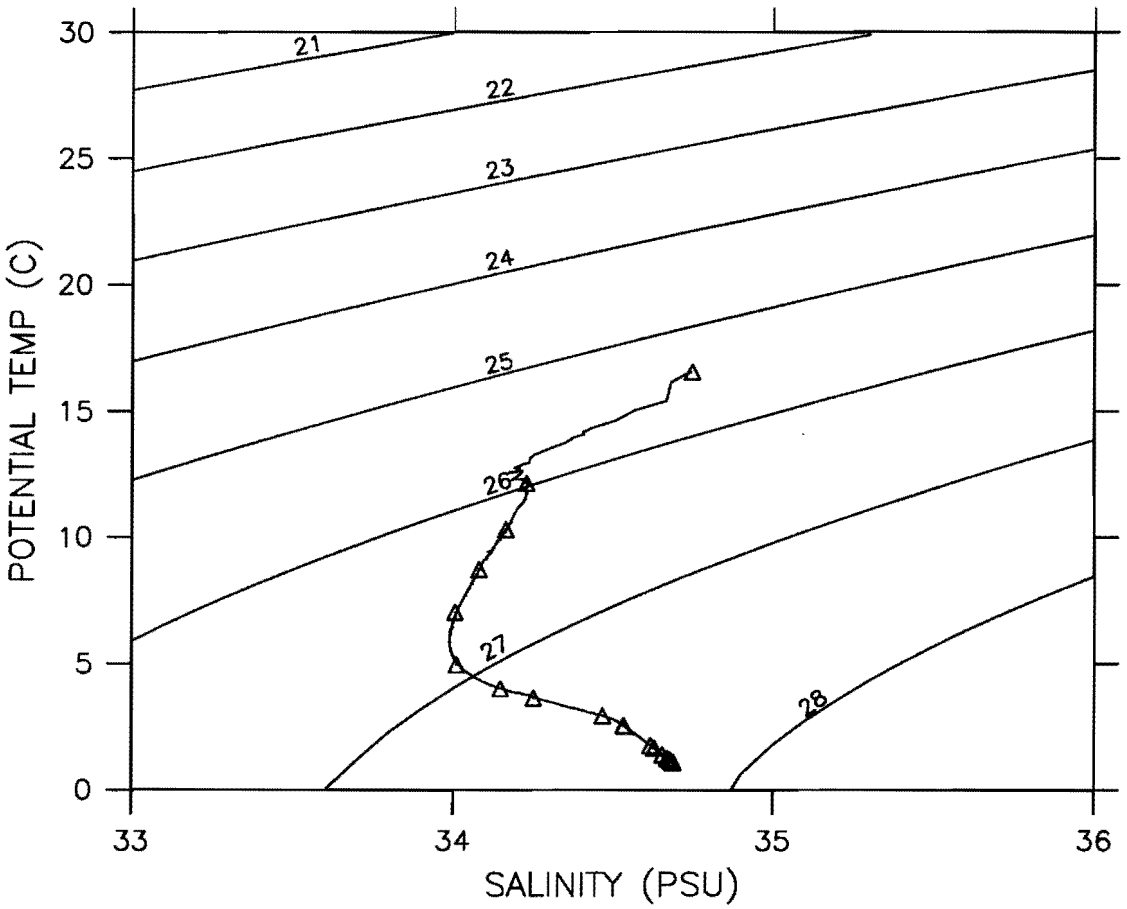


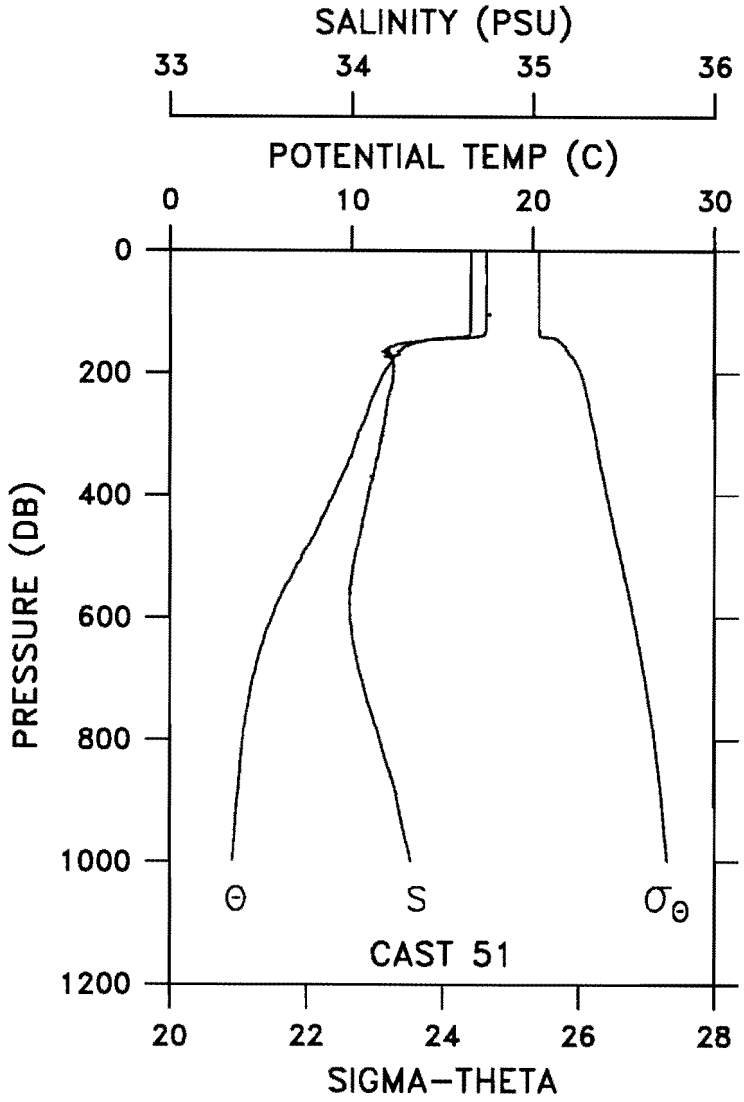
CAST CG2-91-DI -050 DATE 18 MAR 91 TIME 0747 GMT
LAT 32 10.5N LONG 152 00.6W WEATHER 2 SEA STATE 4
BAROMETER 32 WIND DIR 015 T SPD 08 KT VISIBILITY 7
CLOUD 7 AMOUNT 7 DRY 14.2 WET 12.8 DEPTH 5256 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	16.628	34.747	25.409	0.000
10	16.628	34.746	25.408	0.026
20	16.626	34.747	25.409	0.051
30	16.623	34.748	25.411	0.077
40	16.624	34.748	25.411	0.103
50	16.621	34.749	25.412	0.128
60	16.623	34.749	25.411	0.154
70	16.623	34.749	25.411	0.180
80	16.623	34.749	25.411	0.206
90	16.618	34.751	25.414	0.232
100	16.617	34.751	25.414	0.257
110	16.615	34.750	25.414	0.283
120	16.613	34.750	25.415	0.309
130	16.614	34.751	25.415	0.335
140	16.604	34.749	25.416	0.361
150	16.555	34.741	25.421	0.387
160	14.473	34.429	25.646	0.412
170	13.005	34.233	25.798	0.435
180	12.809	34.259	25.857	0.457
190	12.479	34.248	25.914	0.479
200	12.012	34.221	25.983	0.499
250	11.078	34.194	26.134	0.599
300	10.315	34.164	26.246	0.693
350	9.716	34.137	26.326	0.783
400	8.864	34.095	26.431	0.869
401	8.855	34.093	26.431	0.870

CAST CG2-91-DI -051 DATE 18 MAR 91 TIME 1336 GMT

LAT 32 40.0N LONG 152 00.0W



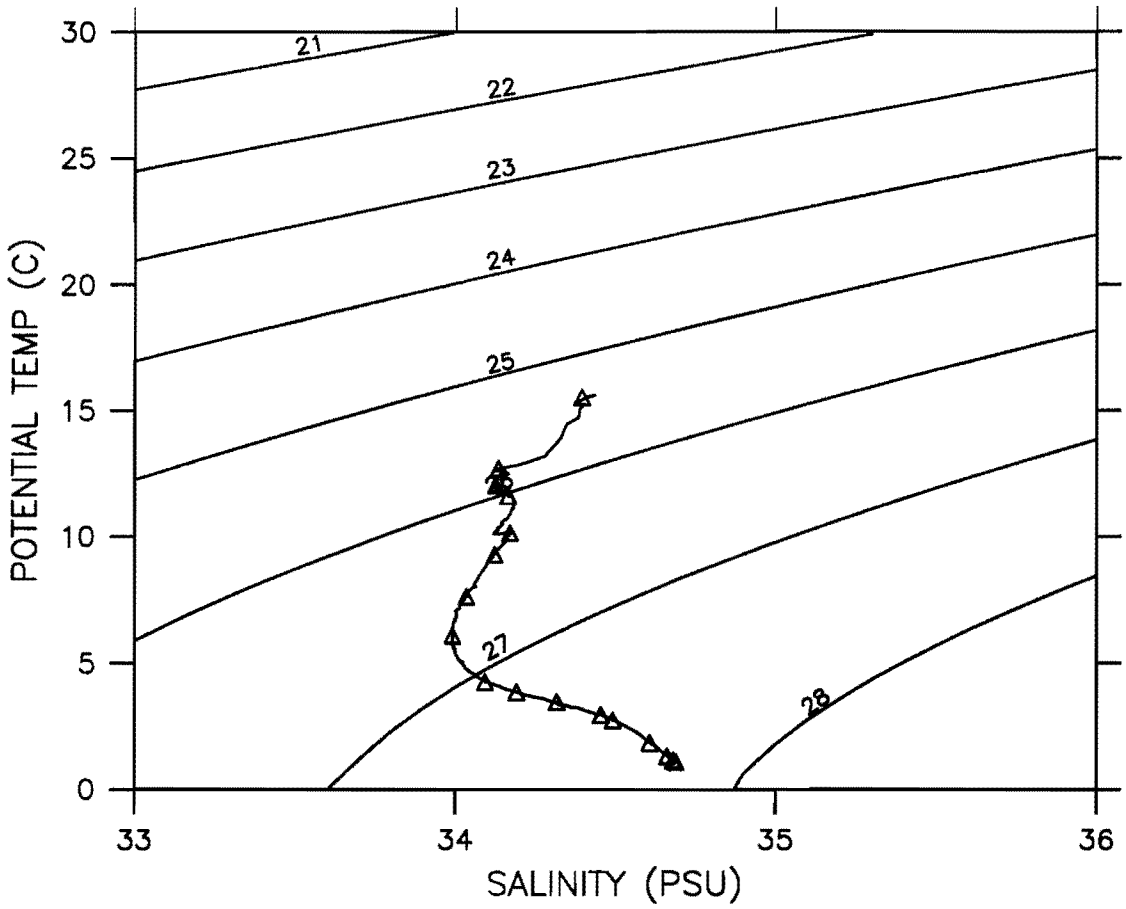


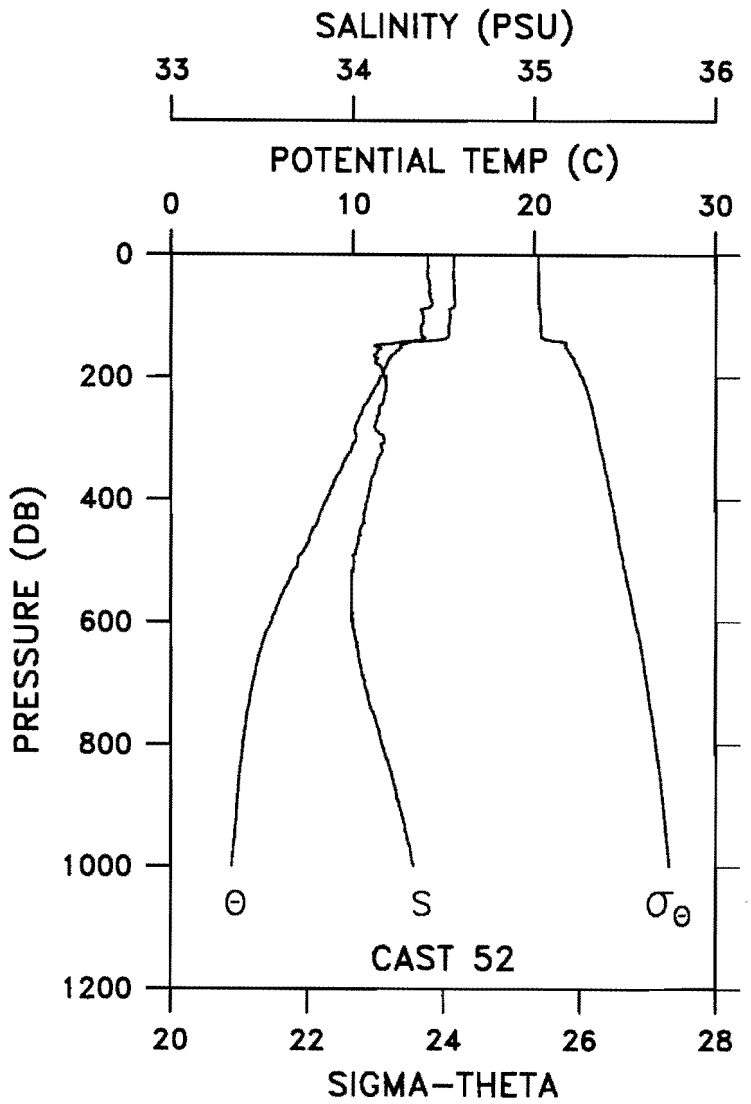
CAST CG2-91-DI -051 DATE 18 MAR 91 TIME 1336 GMT
LAT 32 40.0N LONG 152 00.0W WEATHER 5 SEA STATE 3
BAROMETER 31 WIND DIR 000 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 13.0 WET 12.0 DEPTH 5548 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	16.555	34.741	25.421	0.000
10	16.553	34.741	25.422	0.025
20	16.552	34.741	25.422	0.051
30	16.553	34.742	25.423	0.077
40	16.552	34.743	25.423	0.102
50	16.553	34.743	25.423	0.128
60	16.550	34.743	25.423	0.153
70	16.547	34.742	25.424	0.179
80	16.547	34.742	25.424	0.205
90	16.542	34.742	25.424	0.230
100	16.542	34.741	25.424	0.256
110	16.536	34.740	25.425	0.282
120	16.537	34.740	25.424	0.308
130	16.522	34.738	25.426	0.334
140	16.301	34.702	25.450	0.360
150	13.609	34.320	25.743	0.383
160	12.784	34.199	25.816	0.406
170	12.623	34.214	25.859	0.428
180	12.238	34.228	25.945	0.449
190	12.009	34.231	25.990	0.470
200	11.785	34.227	26.030	0.490
250	11.028	34.197	26.145	0.588
300	10.346	34.167	26.242	0.682
350	9.765	34.134	26.316	0.773
400	8.980	34.092	26.410	0.859
450	8.174	34.055	26.506	0.941
500	7.235	34.017	26.612	1.019
550	6.323	33.992	26.715	1.091
600	5.598	33.990	26.804	1.159
650	4.996	34.013	26.894	1.222
700	4.555	34.055	26.976	1.281
750	4.239	34.102	27.047	1.337
800	3.996	34.156	27.115	1.389
900	3.678	34.252	27.224	1.485
1000	3.428	34.326	27.307	1.573
1500	2.546	34.536	27.555	1.928
2000	1.860	34.611	27.671	2.207
2500	1.515	34.646	27.725	2.448
3000	1.320	34.665	27.755	2.674
3500	1.207	34.678	27.773	2.894
4000	1.148	34.684	27.782	3.116
4500	1.115	34.687	27.786	3.343
5000	1.096	34.689	27.789	3.578
5608	1.087	34.690	27.791	3.878

CAST CG2-91-DI -052 DATE 18 MAR 91 TIME 2138 GMT

LAT 33 20.0N LONG 152 00.0W



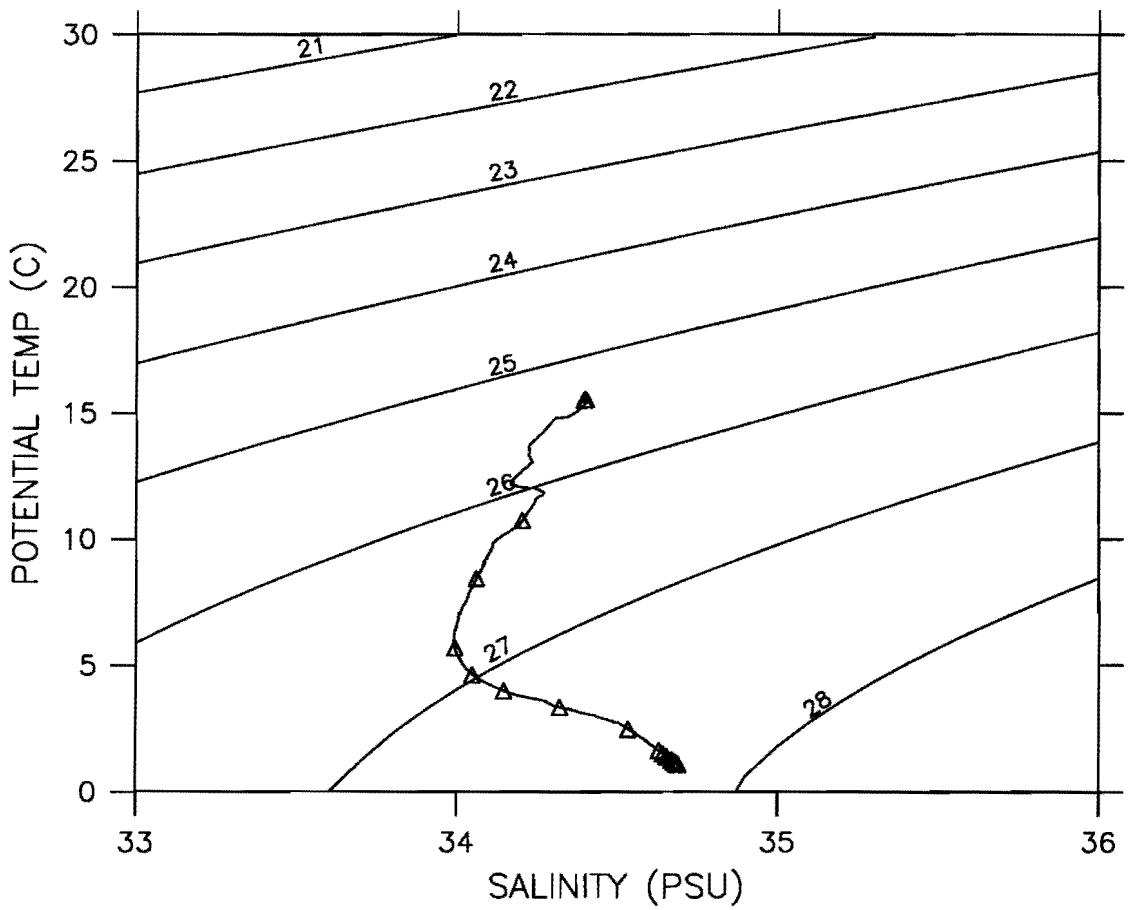


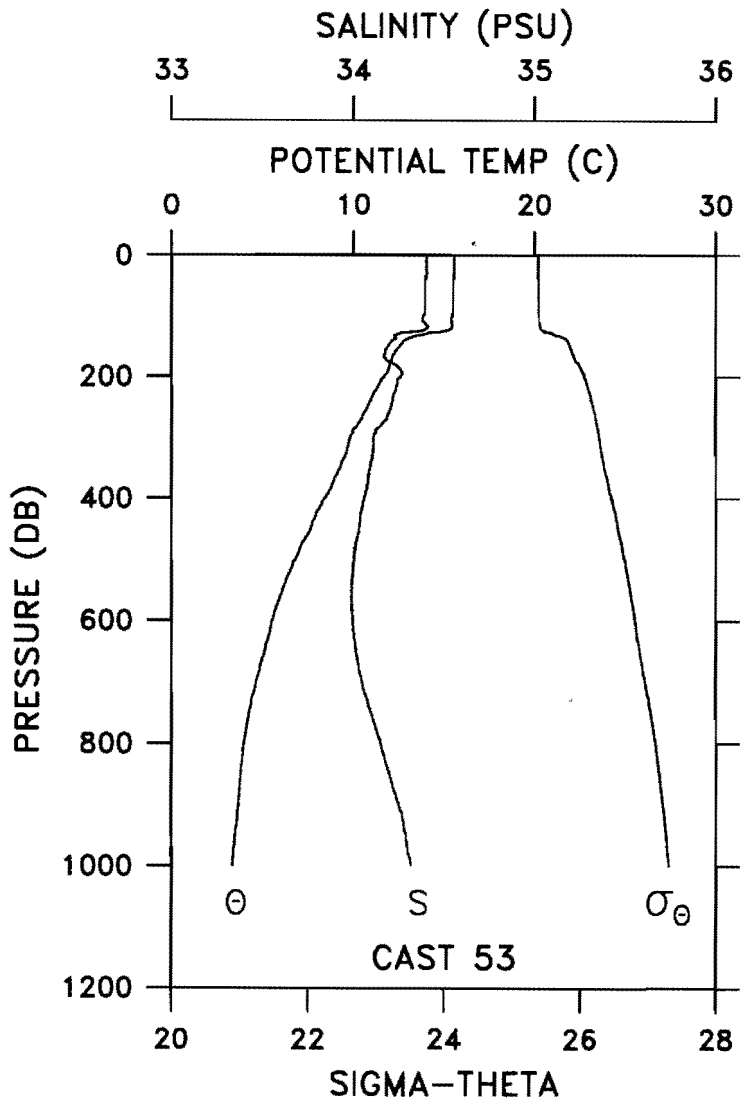
CAST CG2-91-DI -052 DATE 18 MAR 91 TIME 2138 GMT
LAT 33 20.0N LONG 152 00.0W WEATHER 2 SEA STATE 3
BAROMETER 32 WIND DIR 020 T SPD 05 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 15.3 WET 12.3 DEPTH 5563 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	15.564	34.413	25.395	0.000
10	15.563	34.413	25.396	0.026
20	15.560	34.414	25.397	0.051
30	15.547	34.412	25.398	0.077
40	15.556	34.416	25.399	0.103
50	15.574	34.421	25.399	0.129
60	15.563	34.419	25.400	0.155
70	15.584	34.425	25.400	0.181
80	15.614	34.436	25.402	0.207
90	15.330	34.374	25.417	0.232
100	15.367	34.387	25.420	0.258
110	15.360	34.389	25.423	0.284
120	15.292	34.376	25.427	0.310
130	15.287	34.379	25.431	0.336
140	14.449	34.348	25.589	0.361
150	12.610	34.130	25.796	0.384
160	12.345	34.130	25.848	0.406
170	11.991	34.136	25.920	0.427
180	11.869	34.146	25.951	0.448
190	11.703	34.163	25.996	0.469
200	11.505	34.182	26.047	0.489
250	10.574	34.146	26.187	0.586
300	10.152	34.167	26.276	0.678
350	9.363	34.127	26.376	0.766
400	8.565	34.082	26.467	0.850
450	7.778	34.040	26.553	0.929
500	6.981	34.004	26.637	1.005
550	6.182	33.992	26.734	1.076
600	5.509	33.997	26.821	1.143
650	4.868	34.029	26.921	1.205
700	4.487	34.065	26.992	1.263
750	4.173	34.116	27.065	1.318
800	3.948	34.161	27.124	1.369
900	3.632	34.257	27.232	1.464
1000	3.343	34.335	27.322	1.551
1500	2.461	34.540	27.566	1.901
2000	1.830	34.614	27.676	2.174
2500	1.508	34.647	27.726	2.414
3000	1.318	34.666	27.755	2.640
3500	1.204	34.678	27.773	2.860
4000	1.151	34.684	27.781	3.081
4500	1.114	34.689	27.787	3.308
5000	1.095	34.690	27.790	3.543
5525	1.082	34.690	27.791	3.800

CAST CG2-91-DI -053 DATE 19 MAR 91 TIME 0824 GMT

LAT 34 00.1N LONG 152 00.1W



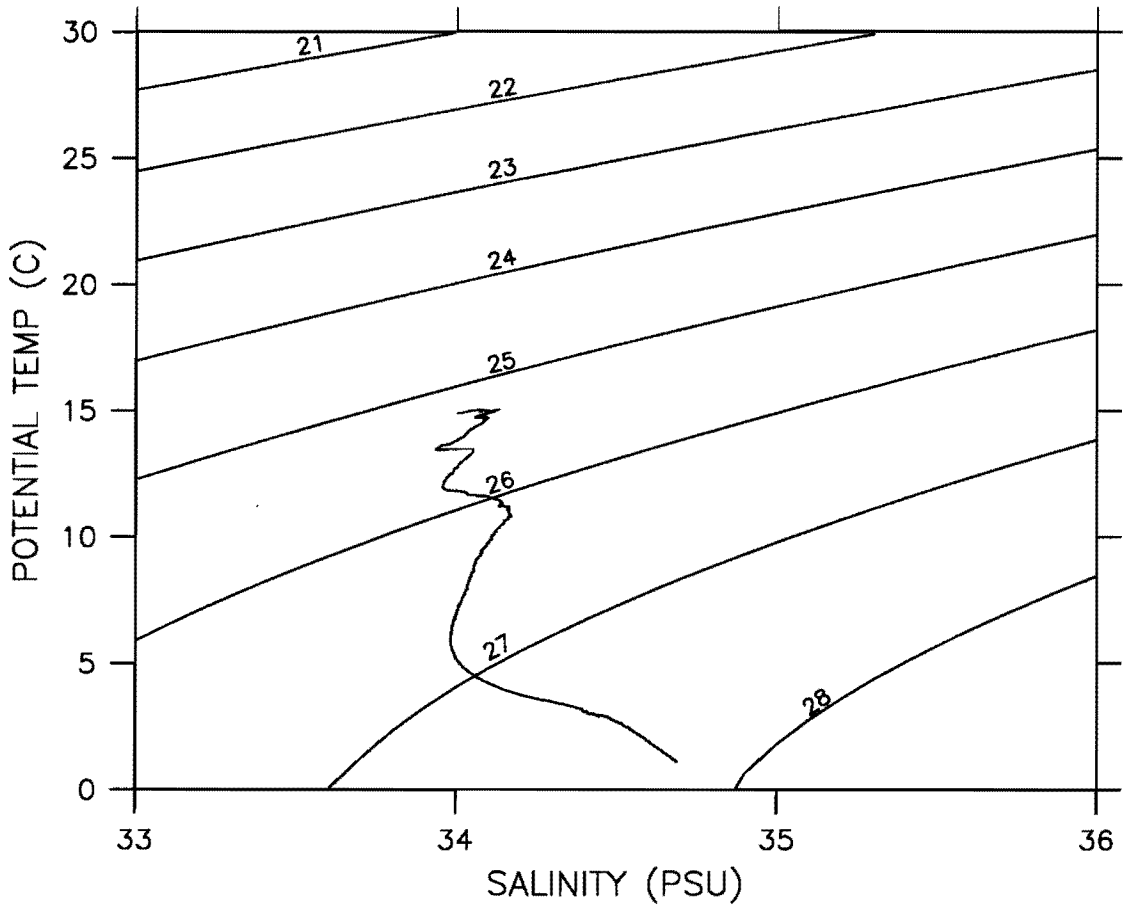


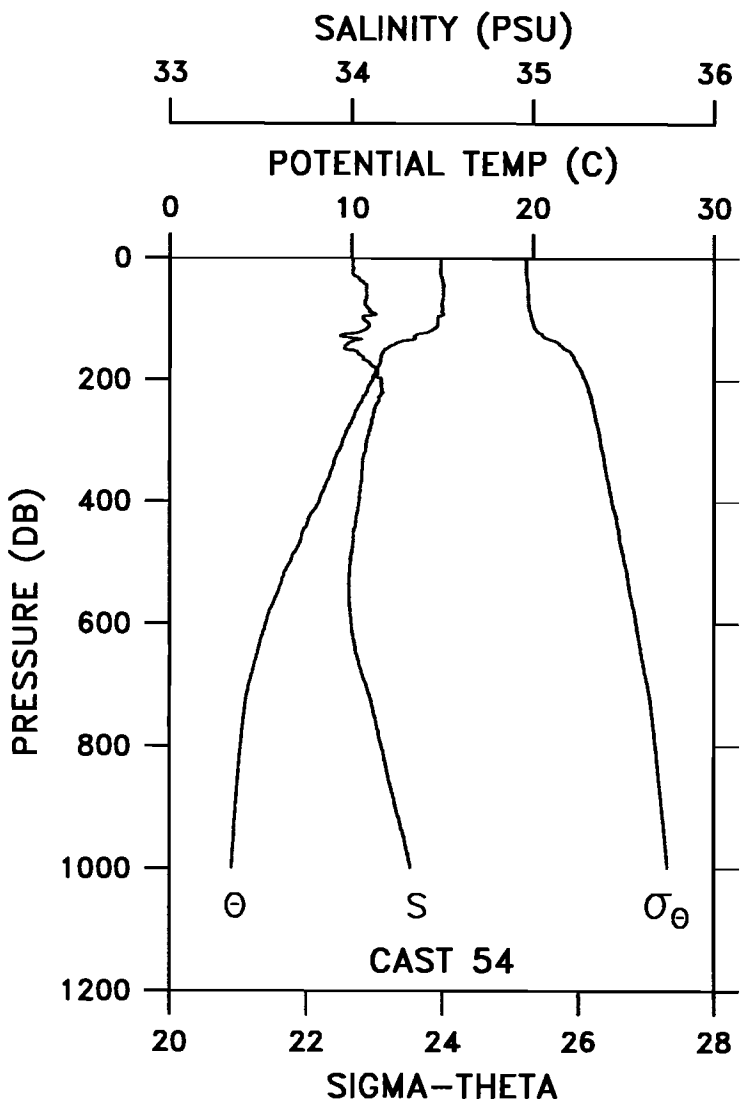
CAST CG2-91-DI -053 DATE 19 MAR 91 TIME 0824 GMT
LAT 34 00.1N LONG 152 00.1W WEATHER 1 SEA STATE 4
BAROMETER 32 WIND DIR 010 T SPD 16 KT VISIBILITY 7
CLOUD 0 AMOUNT 3 DRY 13.6 WET 12.7 DEPTH 5559 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	15.572	34.404	25.387	0.000
10	15.570	34.404	25.387	0.026
20	15.571	34.404	25.387	0.052
30	15.583	34.409	25.388	0.078
40	15.547	34.400	25.390	0.103
50	15.516	34.396	25.393	0.129
60	15.513	34.396	25.394	0.155
70	15.510	34.396	25.394	0.181
80	15.509	34.397	25.395	0.207
90	15.507	34.397	25.396	0.233
100	15.451	34.387	25.401	0.259
110	15.435	34.389	25.406	0.285
120	15.432	34.406	25.419	0.311
130	13.985	34.249	25.610	0.336
140	12.866	34.221	25.817	0.359
150	12.556	34.194	25.856	0.381
160	12.322	34.175	25.887	0.403
170	12.148	34.180	25.924	0.424
180	12.009	34.230	25.990	0.445
190	11.900	34.263	26.036	0.465
200	11.713	34.261	26.070	0.485
250	10.775	34.208	26.200	0.581
300	9.833	34.111	26.286	0.672
350	9.290	34.093	26.362	0.760
400	8.456	34.061	26.468	0.844
450	7.656	34.033	26.565	0.923
500	6.825	34.005	26.659	0.998
550	6.119	33.990	26.740	1.068
600	5.557	33.997	26.815	1.135
650	5.118	34.014	26.880	1.198
700	4.645	34.048	26.961	1.258
750	4.260	34.099	27.042	1.314
800	3.975	34.151	27.114	1.367
900	3.663	34.252	27.225	1.463
1000	3.338	34.321	27.312	1.550
1500	2.523	34.531	27.553	1.905
2000	1.852	34.608	27.669	2.183
2500	1.530	34.644	27.722	2.425
3000	1.332	34.664	27.753	2.652
3500	1.218	34.676	27.771	2.874
4000	1.152	34.684	27.781	3.096
4500	1.116	34.687	27.786	3.323
5000	1.096	34.689	27.789	3.558
5634	1.086	34.689	27.790	3.871

CAST CG2-91-DI -054 DATE 19 MAR 91 TIME 1631 GMT

LAT 34 40.0N LONG 152 00.3W



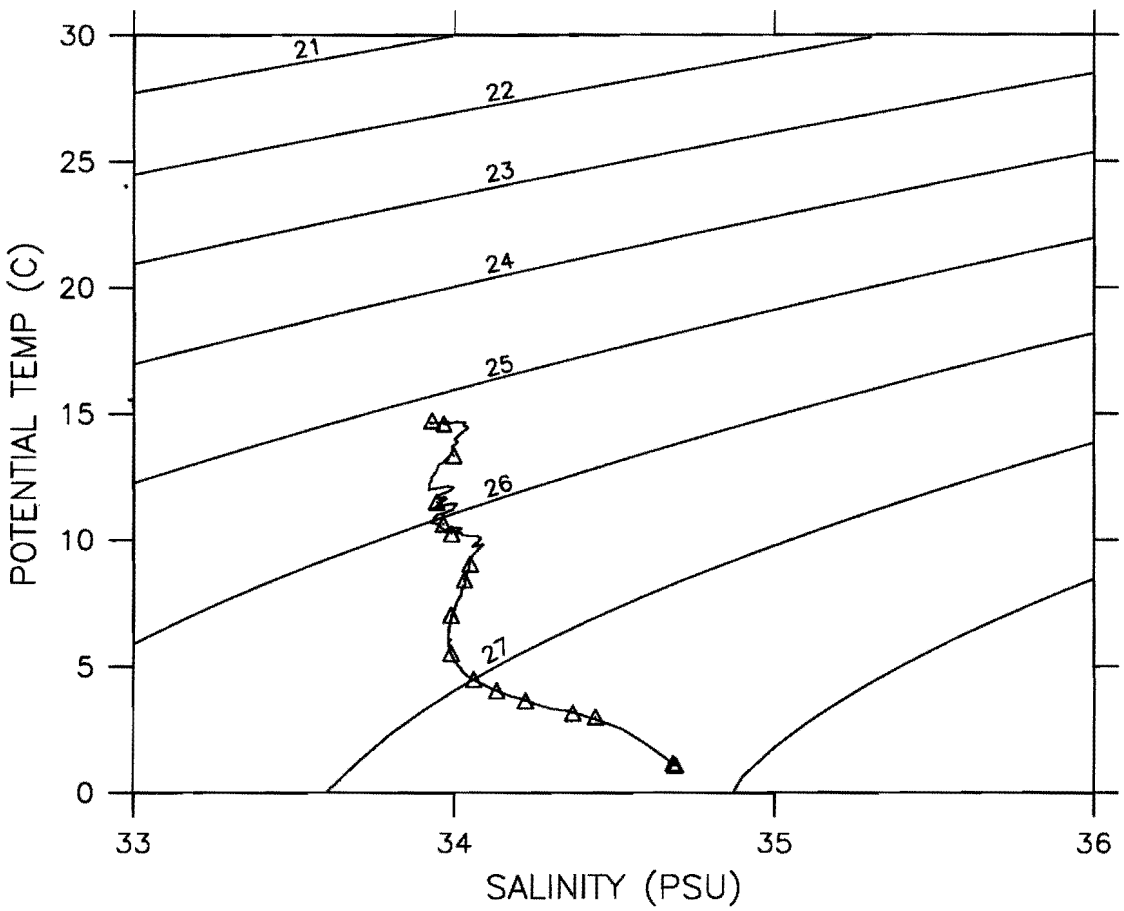


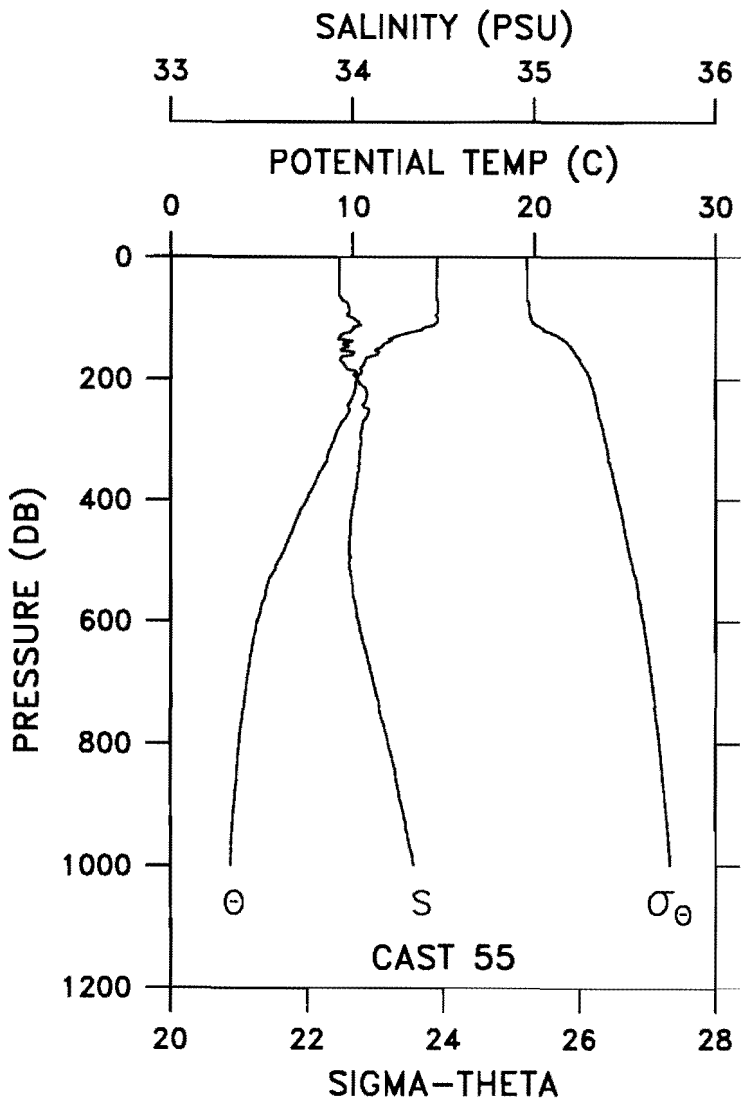
CAST CG2-91-DI -054 DATE 19 MAR 91 TIME 1631 GMT
LAT 34 40.0N LONG 152 00.3W WEATHER 2 SEA STATE 2
BAROMETER 32 WIND DIR 020 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 11.2 WET 09.7 DEPTH 5668 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.883	34.006	25.232	0.000
10	14.882	34.006	25.232	0.027
20	14.878	34.005	25.232	0.055
30	14.925	34.024	25.236	0.082
40	15.015	34.065	25.248	0.109
50	15.039	34.082	25.257	0.136
60	15.031	34.083	25.259	0.164
70	14.980	34.075	25.264	0.191
80	14.989	34.086	25.270	0.218
90	15.020	34.125	25.294	0.245
100	14.720	34.067	25.314	0.272
110	14.721	34.096	25.336	0.299
120	14.313	34.055	25.392	0.325
130	13.454	33.966	25.501	0.351
140	12.451	33.978	25.709	0.375
150	11.849	33.968	25.817	0.397
160	11.636	34.047	25.917	0.419
170	11.600	34.089	25.957	0.440
180	11.450	34.129	26.016	0.460
190	11.306	34.145	26.055	0.480
200	11.174	34.166	26.095	0.500
250	10.234	34.124	26.228	0.595
300	9.501	34.083	26.320	0.684
350	8.877	34.058	26.400	0.770
400	8.215	34.041	26.489	0.853
450	7.301	34.010	26.597	0.930
500	6.598	33.993	26.679	1.004
550	5.929	33.984	26.759	1.073
600	5.269	33.999	26.851	1.138
650	4.798	34.026	26.926	1.199
700	4.330	34.081	27.021	1.257
750	4.062	34.126	27.085	1.310
800	3.882	34.166	27.135	1.361
900	3.609	34.243	27.224	1.456
1000	3.390	34.325	27.310	1.543
1500	2.481	34.531	27.556	1.898
2000	1.867	34.605	27.666	2.177
2500	1.529	34.641	27.720	2.421
3000	1.335	34.663	27.752	2.649
3500	1.214	34.677	27.771	2.871
4000	1.152	34.683	27.780	3.093
4500	1.119	34.687	27.785	3.320
5000	1.097	34.689	27.789	3.556
5734	1.086	34.690	27.790	3.920

CAST CG2-91-DI -055 DATE 20 MAR 91 TIME 0224 GMT

LAT 35 36.5N LONG 152 00.4W



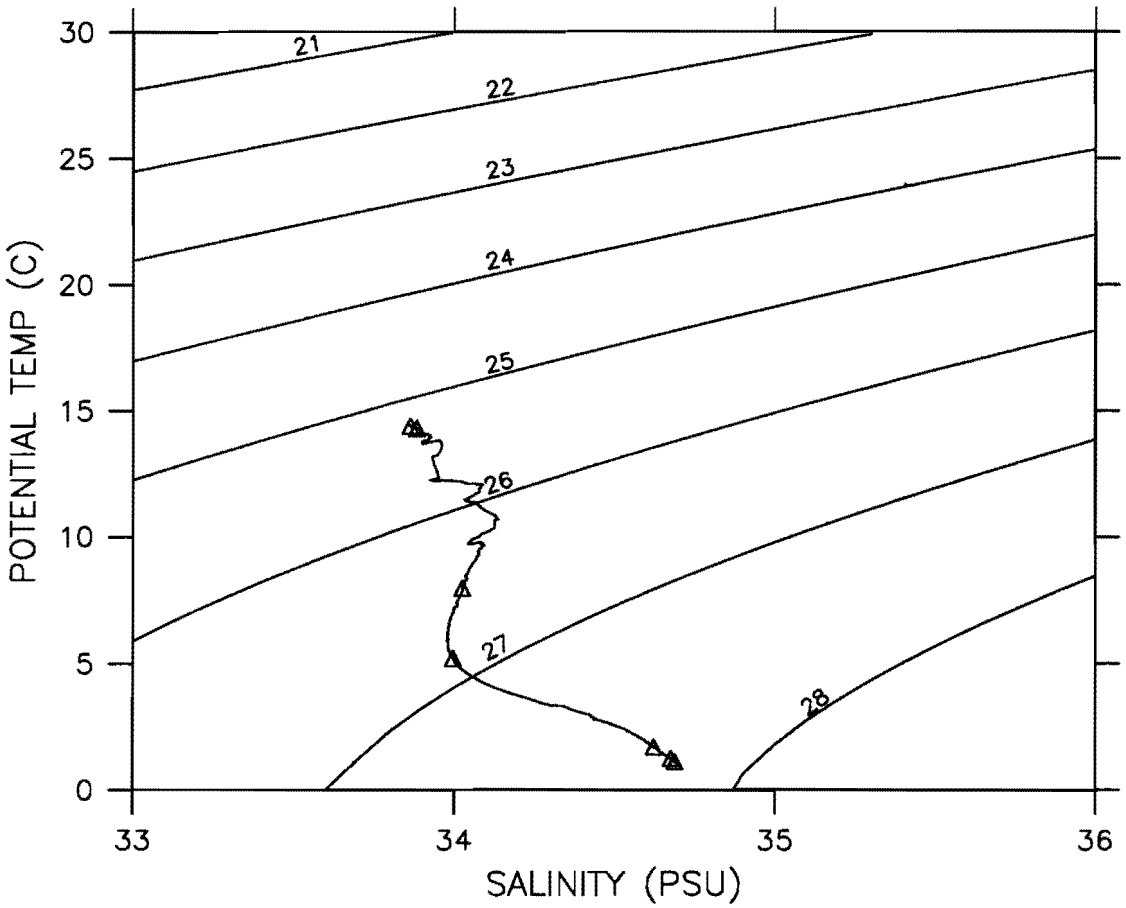


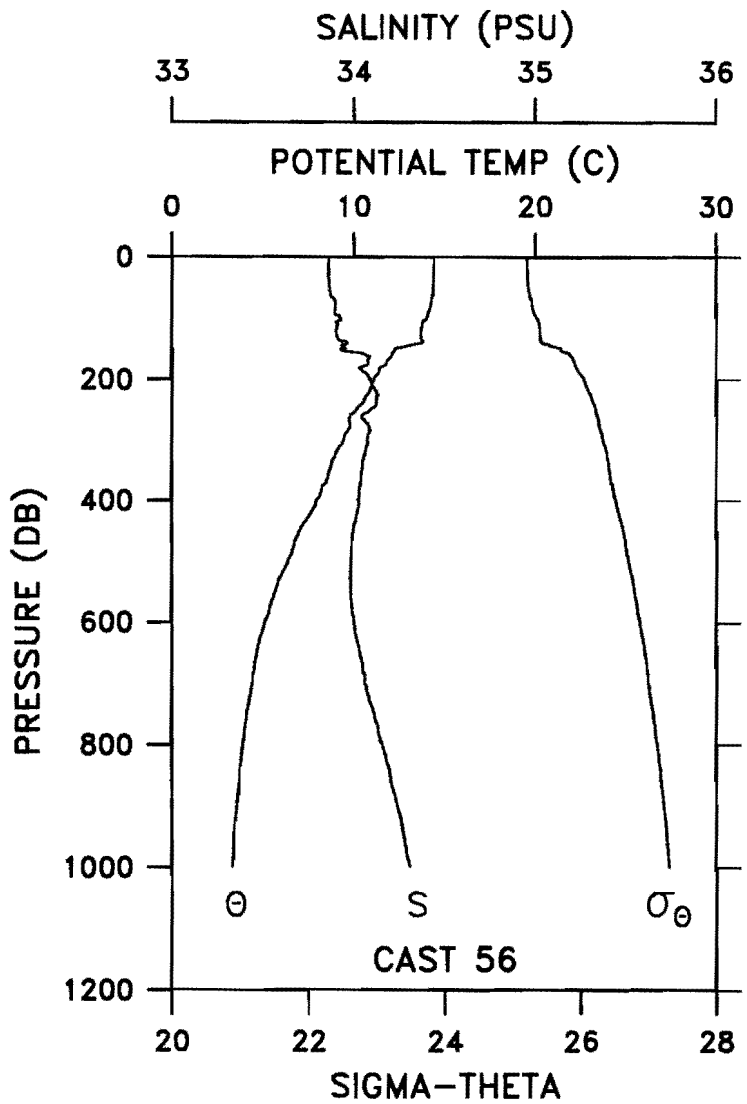
CAST CG2-91-DI -055 DATE 20 MAR 91 TIME 0224 GMT
LAT 35 36.5N LONG 152 00.4W WEATHER 2 SEA STATE 3
BAROMETER 32 WIND DIR 000 T SPD 04 KT VISIBILITY 7
CLOUD 2 AMOUNT 8 DRY 14.0 WET 10.8 DEPTH 5705 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.649	33.925	25.220	0.000
10	14.647	33.925	25.220	0.027
20	14.642	33.925	25.221	0.055
30	14.630	33.925	25.224	0.082
40	14.624	33.925	25.225	0.110
50	14.620	33.925	25.226	0.137
60	14.616	33.927	25.228	0.165
70	14.641	33.942	25.234	0.192
80	14.684	33.975	25.251	0.219
90	14.686	33.982	25.256	0.247
100	14.671	34.003	25.276	0.274
110	14.509	34.029	25.330	0.301
120	13.744	33.994	25.463	0.327
130	12.366	33.929	25.688	0.351
140	11.887	33.976	25.816	0.374
150	11.433	33.952	25.881	0.396
160	11.354	34.002	25.934	0.417
170	10.683	33.929	25.998	0.437
180	10.488	33.956	26.054	0.457
190	10.460	34.022	26.110	0.477
200	10.195	34.025	26.158	0.496
250	9.838	34.089	26.268	0.588
300	8.975	34.047	26.376	0.676
350	8.284	34.034	26.473	0.758
400	7.470	34.006	26.571	0.837
450	6.698	33.987	26.662	0.911
500	5.946	33.981	26.754	0.980
550	5.225	34.001	26.857	1.045
600	4.746	34.030	26.935	1.106
650	4.422	34.071	27.003	1.163
700	4.155	34.111	27.063	1.217
750	3.953	34.149	27.114	1.268
800	3.755	34.195	27.171	1.317
900	3.461	34.266	27.256	1.409
1000	3.272	34.337	27.330	1.493
1500	2.460	34.531	27.558	1.842
2000	1.869	34.604	27.665	2.121
2500	1.534	34.641	27.719	2.364
3000	1.335	34.662	27.751	2.593
3500	1.219	34.676	27.770	2.815
4000	1.158	34.682	27.779	3.037
4500	1.123	34.686	27.785	3.265
5000	1.099	34.688	27.788	3.501
5759	1.088	34.690	27.790	3.879

CAST CG2-91-DI -056 DATE 20 MAR 91 TIME 1058 GMT

LAT 36 17.8N LONG 152 02.7W



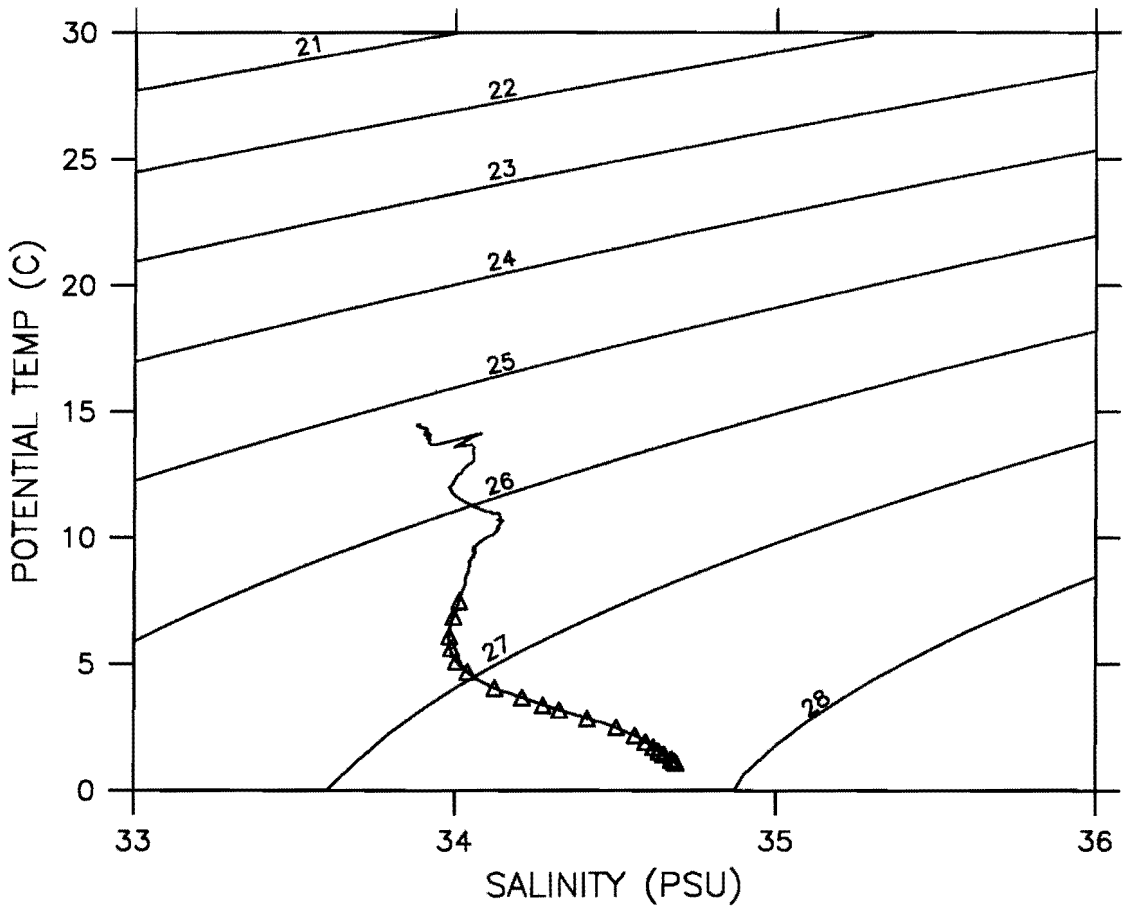


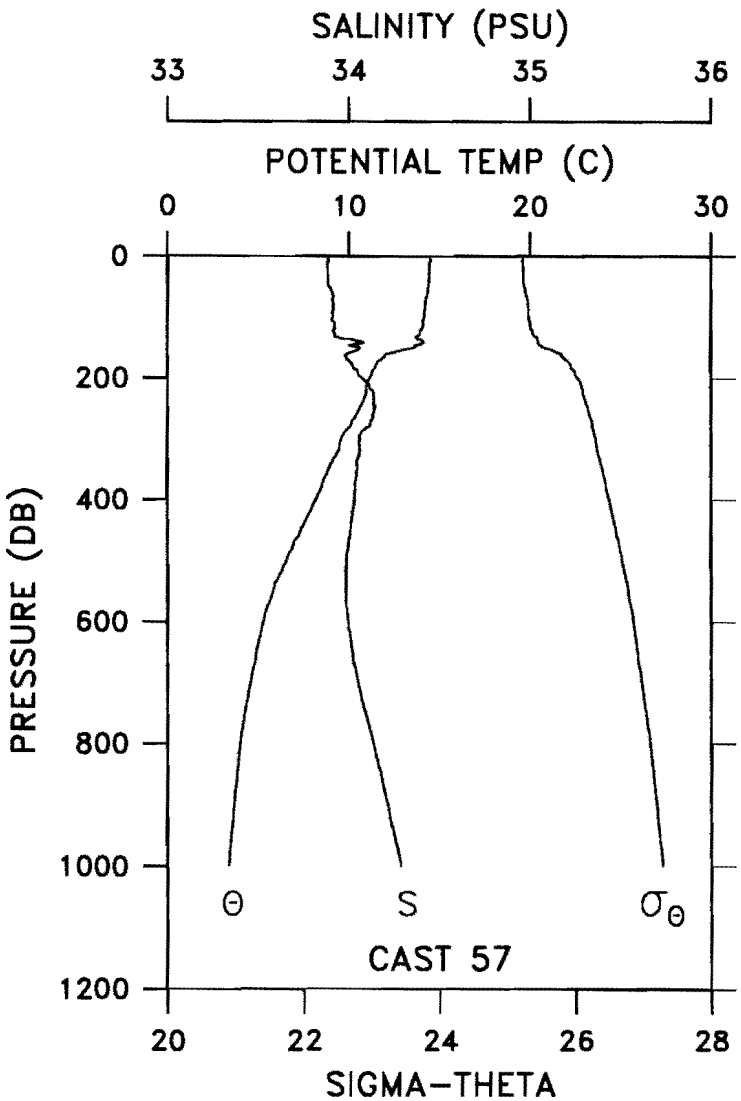
CAST CG2-91-DI -056 DATE 20 MAR 91 TIME 1058 GMT
LAT 36 17.8N LONG 152 02.7W WEATHER 1 SEA STATE 0
BAROMETER 33 WIND DIR 050 T SPD 03 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 11.5 WET 08.8 DEPTH 5629 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.448	33.863	25.215	0.000
10	14.440	33.861	25.215	0.027
20	14.417	33.860	25.219	0.055
30	14.412	33.861	25.221	0.082
40	14.403	33.861	25.223	0.110
50	14.384	33.865	25.230	0.137
60	14.327	33.868	25.245	0.165
70	14.264	33.893	25.277	0.192
80	14.229	33.897	25.287	0.219
90	14.113	33.893	25.309	0.246
100	13.996	33.924	25.357	0.272
110	13.779	33.910	25.391	0.299
120	13.690	33.901	25.403	0.325
130	13.691	33.906	25.406	0.351
140	13.750	33.959	25.435	0.377
150	12.257	33.931	25.711	0.401
160	12.093	34.068	25.848	0.423
170	11.842	34.079	25.904	0.445
180	11.507	34.039	25.935	0.466
190	11.354	34.067	25.985	0.487
200	11.107	34.087	26.046	0.507
250	10.140	34.090	26.218	0.603
300	9.416	34.074	26.326	0.693
350	8.665	34.045	26.423	0.778
400	7.935	34.025	26.518	0.859
450	7.013	33.998	26.628	0.936
500	6.384	33.982	26.699	1.008
550	5.677	33.981	26.788	1.075
600	5.108	34.001	26.871	1.140
650	4.660	34.035	26.948	1.200
700	4.425	34.062	26.996	1.257
750	4.108	34.113	27.069	1.311
800	3.887	34.158	27.128	1.363
900	3.561	34.241	27.226	1.458
1000	3.317	34.309	27.304	1.545
1500	2.439	34.522	27.553	1.902
2000	1.859	34.602	27.664	2.181
2500	1.541	34.639	27.717	2.426
3000	1.346	34.661	27.749	2.655
3500	1.225	34.675	27.769	2.878
4000	1.158	34.683	27.780	3.101
4500	1.122	34.686	27.785	3.329
5000	1.100	34.688	27.788	3.565
5654	1.090	34.689	27.789	3.889

CAST CG2-91-DI -057 DATE 21 MAR 91 TIME 0715 GMT

LAT 37 11.0N LONG 151 58.0W



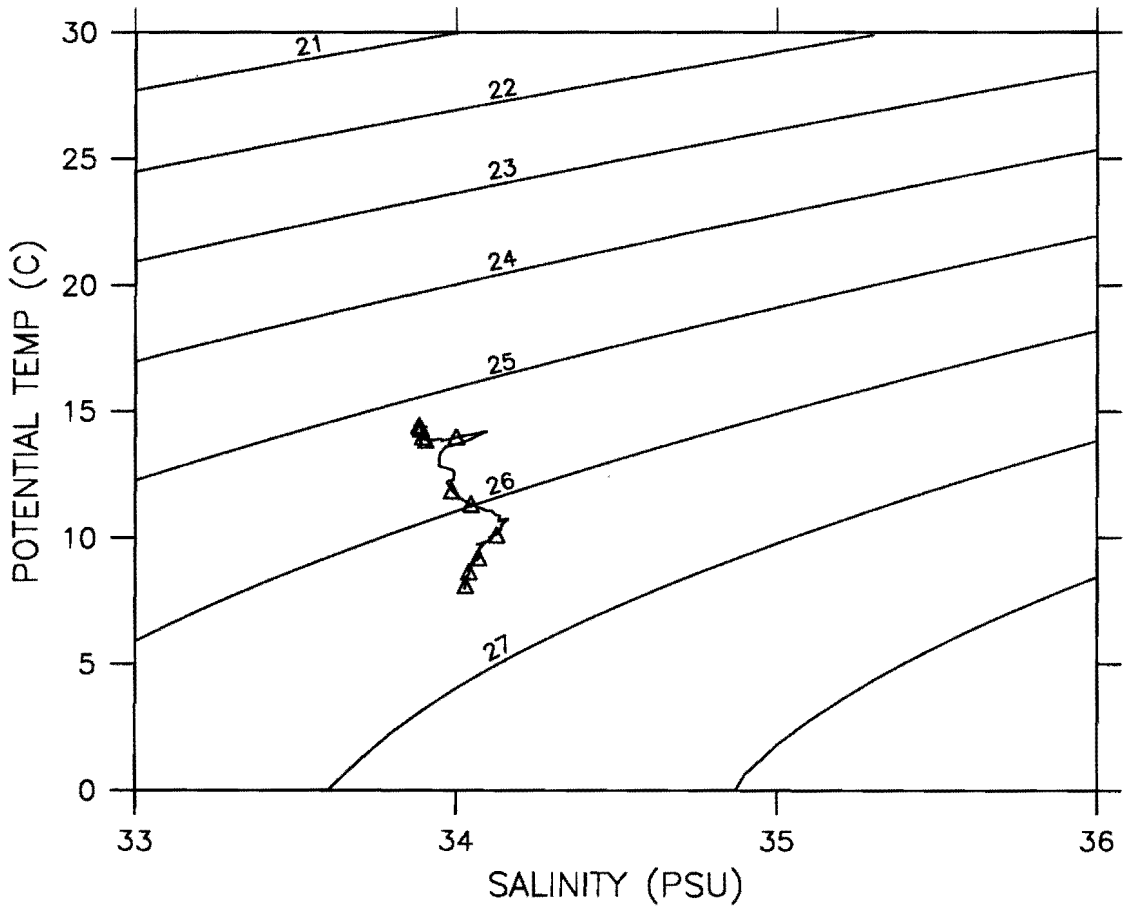


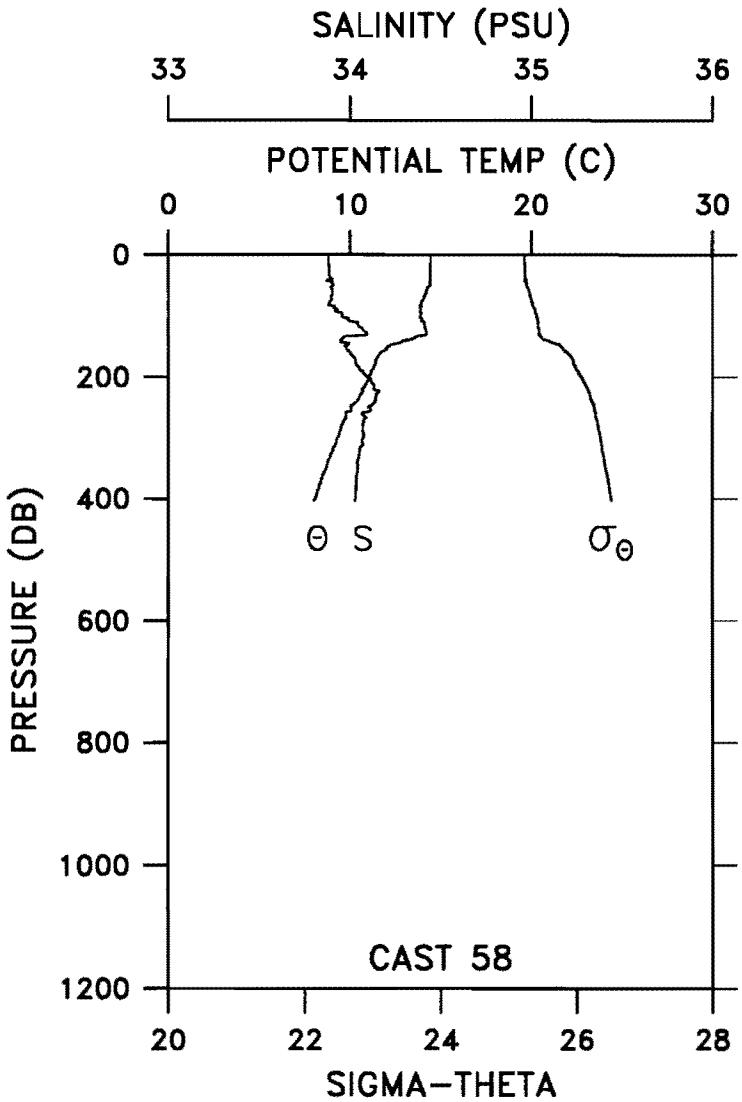
CAST CG2-91-DI -057 DATE 21 MAR 91 TIME 0715 GMT
LAT 37 11.0N LONG 151 58.0W WEATHER 2 SEA STATE 1
BAROMETER 31 WIND DIR 000 T SPD 06 KT VISIBILITY 8
CLOUD 0 AMOUNT 7 DRY 12.8 WET 09.4 DEPTH 5572 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.478	33.883	25.224	0.000
10	14.457	33.881	25.227	0.027
20	14.435	33.882	25.232	0.055
30	14.429	33.883	25.234	0.082
40	14.424	33.883	25.235	0.109
50	14.388	33.889	25.248	0.137
60	14.348	33.908	25.270	0.164
70	14.238	33.908	25.294	0.191
80	14.210	33.912	25.303	0.218
90	14.162	33.909	25.310	0.244
100	14.140	33.909	25.315	0.271
110	14.103	33.920	25.332	0.298
120	13.966	33.915	25.356	0.325
130	13.825	33.919	25.389	0.351
140	14.109	34.069	25.446	0.377
150	13.588	34.058	25.545	0.402
160	12.140	33.992	25.780	0.425
170	11.756	33.992	25.852	0.448
180	11.477	34.021	25.927	0.469
190	11.280	34.049	25.985	0.490
200	11.173	34.072	26.022	0.510
250	10.572	34.139	26.182	0.608
300	9.555	34.061	26.294	0.699
350	8.871	34.046	26.392	0.786
400	8.159	34.032	26.490	0.869
450	7.323	34.008	26.593	0.947
500	6.540	33.986	26.682	1.020
550	5.800	33.983	26.774	1.089
600	5.263	33.997	26.850	1.154
650	4.884	34.019	26.911	1.215
700	4.567	34.051	26.971	1.274
750	4.245	34.092	27.038	1.330
800	3.996	34.135	27.099	1.383
900	3.655	34.215	27.196	1.481
1000	3.367	34.285	27.280	1.571
1500	2.476	34.507	27.538	1.936
2000	1.886	34.601	27.661	2.221
2500	1.546	34.637	27.716	2.467
3000	1.343	34.661	27.749	2.697
3500	1.227	34.674	27.768	2.921
4000	1.162	34.682	27.779	3.144
4500	1.129	34.685	27.784	3.373
5000	1.108	34.687	27.787	3.610
5622	1.093	34.688	27.789	3.918

CAST CG2-91-DI -058 DATE 21 MAR 91 TIME 1129 GMT

LAT 37 09.9N LONG 151 57.6W



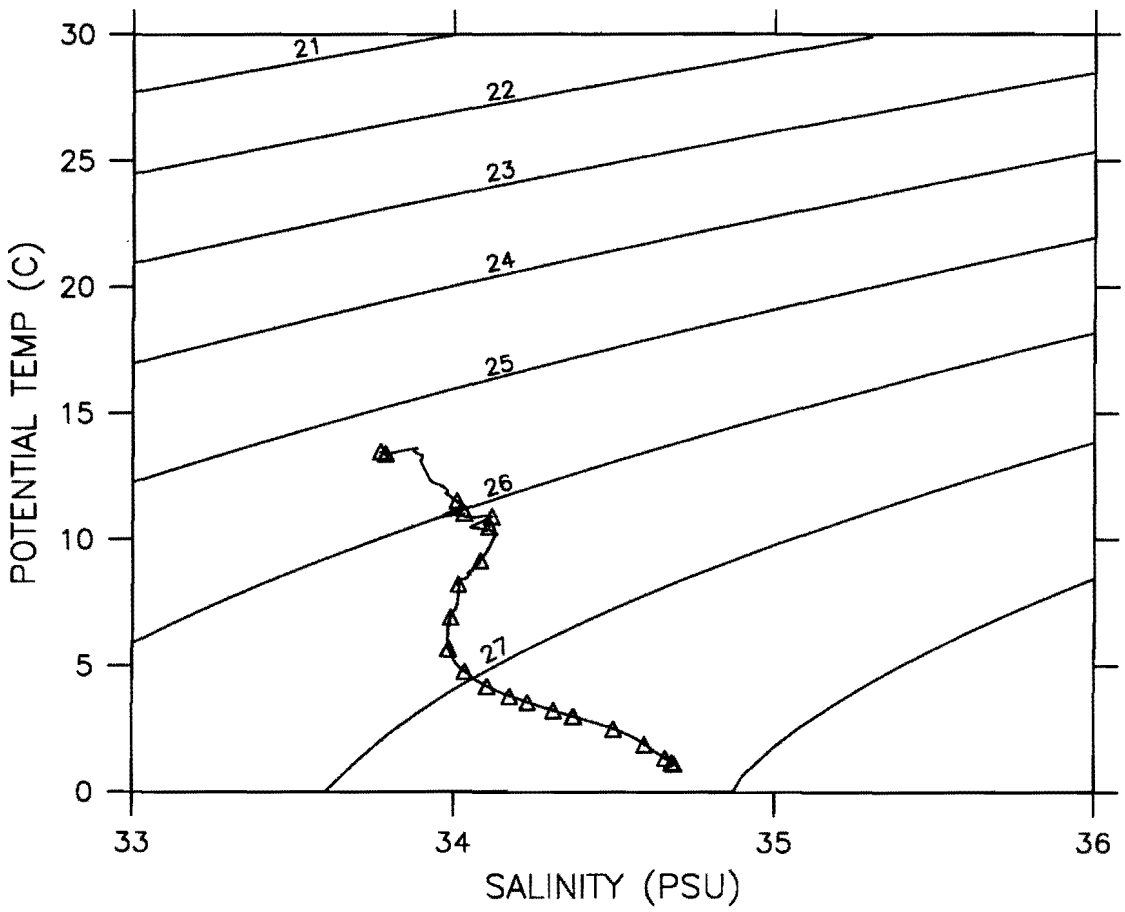


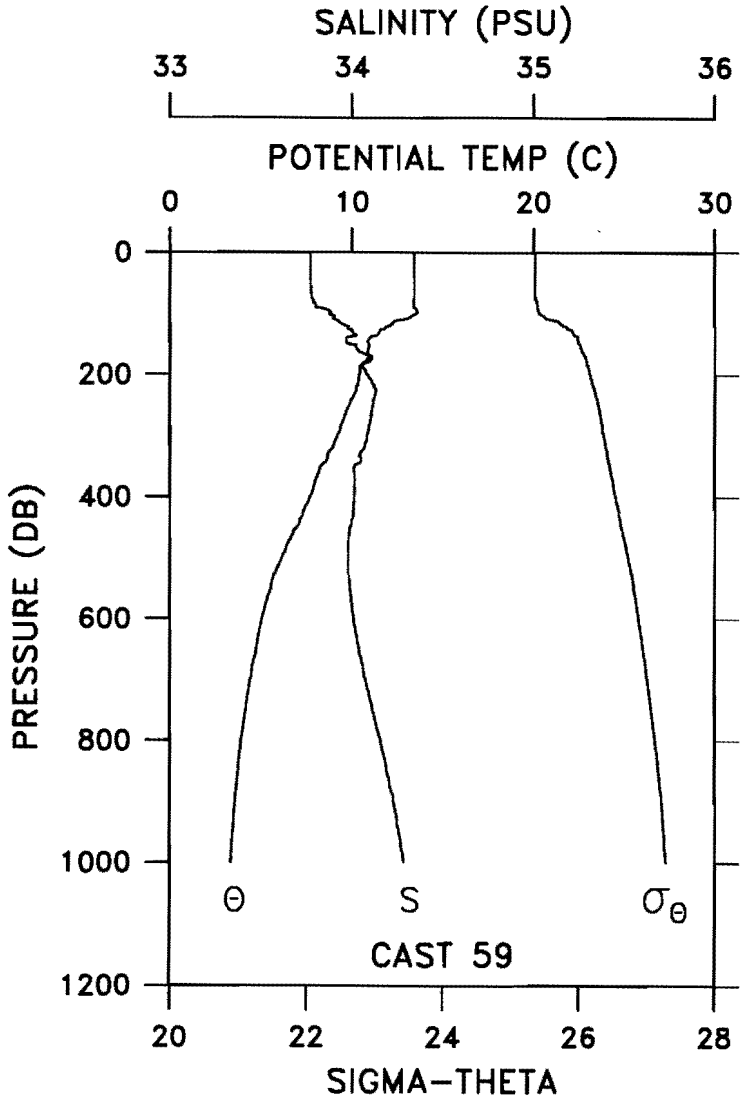
CAST CG2-91-DI -058 DATE 21 MAR 91 TIME 1129 GMT
LAT 37 09.9N LONG 151 57.6W WEATHER 1 SEA STATE 1
BAROMETER 31 WIND DIR 000 T SPD 04 KT VISIBILITY 8
CLOUD 0 AMOUNT 6 DRY 12.5 WET 09.9 DEPTH 5511 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	14.443	33.880	25.229	0.000
10	14.442	33.880	25.230	0.027
20	14.425	33.883	25.235	0.055
30	14.419	33.883	25.237	0.082
40	14.407	33.899	25.251	0.109
50	14.390	33.907	25.261	0.136
60	14.188	33.901	25.299	0.163
70	14.060	33.894	25.320	0.190
80	13.890	33.882	25.347	0.217
90	13.891	33.927	25.381	0.243
100	13.864	33.953	25.407	0.269
110	14.081	34.039	25.428	0.295
120	14.145	34.068	25.437	0.320
130	14.186	34.092	25.447	0.346
140	12.916	33.946	25.594	0.371
150	12.058	33.979	25.786	0.394
160	11.678	34.002	25.875	0.417
170	11.433	34.029	25.941	0.438
180	11.371	34.038	25.960	0.459
190	11.179	34.073	26.022	0.479
200	11.060	34.103	26.066	0.499
250	10.021	34.107	26.251	0.594
300	9.284	34.072	26.346	0.683
350	8.654	34.043	26.423	0.768
400	8.065	34.028	26.501	0.849
403	7.982	34.026	26.512	0.854

CAST CG2-91-DI -059 DATE 21 MAR 91 TIME 1904 GMT

LAT 37 59.9N LONG 152 00.0W



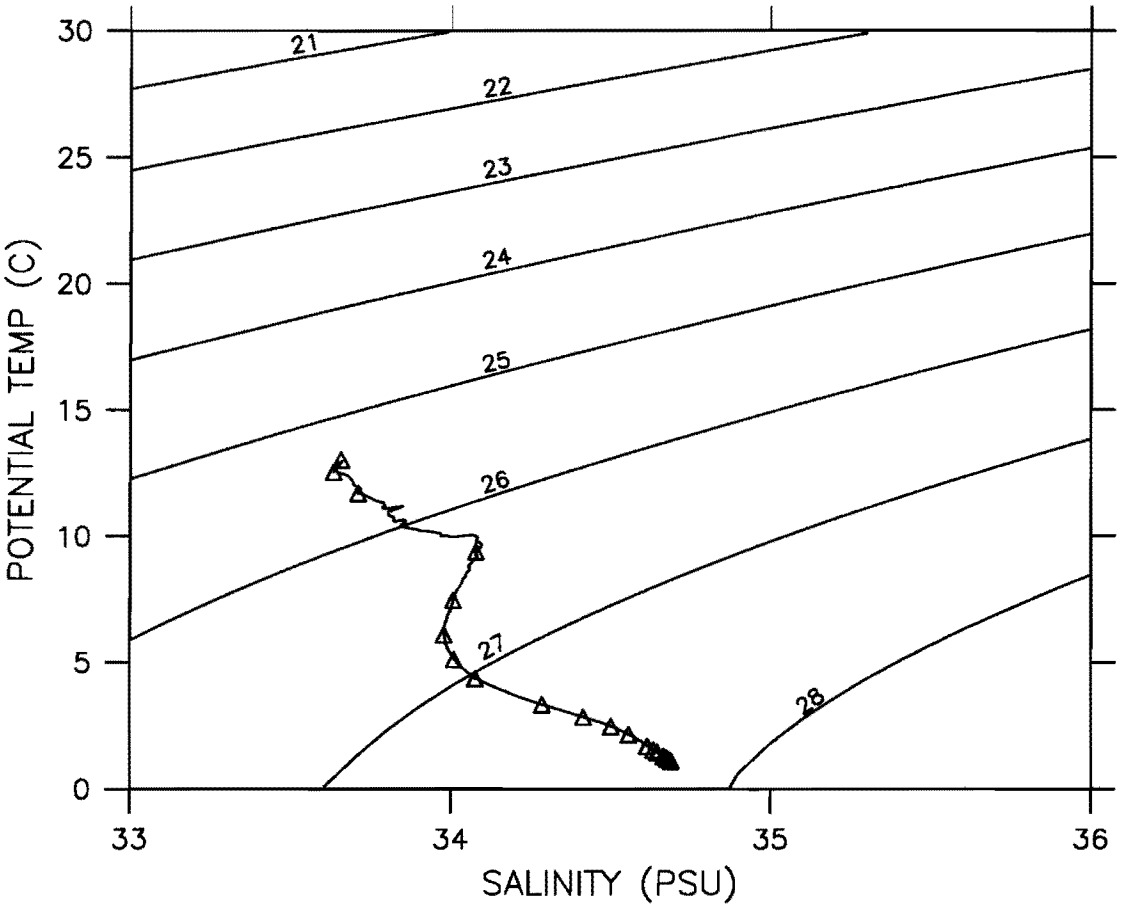


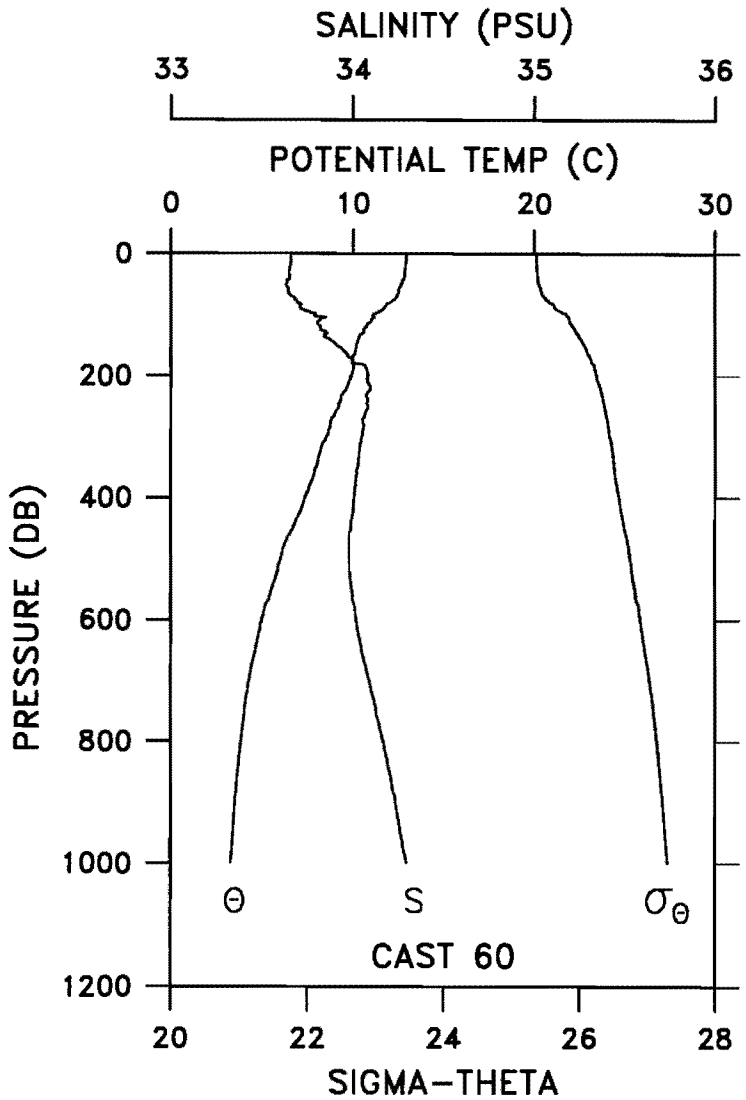
CAST CG2-91-DI -059 DATE 21 MAR 91 TIME 1904 GMT
LAT 37 59.9N LONG 152 00.0W WEATHER 2 SEA STATE 1
BAROMETER 32 WIND DIR 130 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 13.2 WET 10.9 DEPTH 4973 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	13.440	33.774	25.355	0.000
10	13.440	33.773	25.354	0.026
20	13.435	33.772	25.355	0.052
30	13.433	33.773	25.356	0.078
40	13.434	33.774	25.357	0.105
50	13.433	33.774	25.357	0.131
60	13.426	33.775	25.359	0.157
70	13.426	33.778	25.361	0.183
80	13.370	33.787	25.380	0.209
90	13.382	33.800	25.387	0.236
100	13.524	33.875	25.417	0.261
110	12.705	33.911	25.608	0.287
120	12.062	33.968	25.776	0.310
130	11.508	34.005	25.909	0.331
140	10.975	33.971	25.979	0.352
150	10.925	33.989	26.002	0.372
160	10.894	34.034	26.043	0.392
170	10.925	34.109	26.096	0.412
180	10.662	34.081	26.120	0.432
190	10.450	34.066	26.146	0.451
200	10.412	34.087	26.169	0.470
250	9.847	34.115	26.287	0.561
300	9.197	34.083	26.369	0.648
350	8.269	34.013	26.459	0.732
400	7.691	34.013	26.544	0.811
450	6.973	33.992	26.628	0.887
500	6.154	33.981	26.728	0.958
550	5.545	33.989	26.810	1.024
600	5.044	34.011	26.886	1.087
650	4.732	34.039	26.944	1.147
700	4.401	34.077	27.010	1.204
750	4.148	34.114	27.066	1.258
800	3.899	34.156	27.125	1.310
900	3.568	34.230	27.217	1.406
1000	3.339	34.285	27.283	1.494
1500	2.490	34.503	27.533	1.858
2000	1.900	34.597	27.656	2.142
2500	1.549	34.636	27.714	2.390
3000	1.350	34.659	27.748	2.621
3500	1.234	34.674	27.768	2.845
4000	1.162	34.682	27.779	3.069
4500	1.125	34.686	27.785	3.298
5000	1.108	34.688	27.787	3.534
5021	1.107	34.688	27.788	3.544

CAST CG2-91-DI -060 DATE 22 MAR 91 TIME 0215 GMT

LAT 38 40.2N LONG 151 59.9W



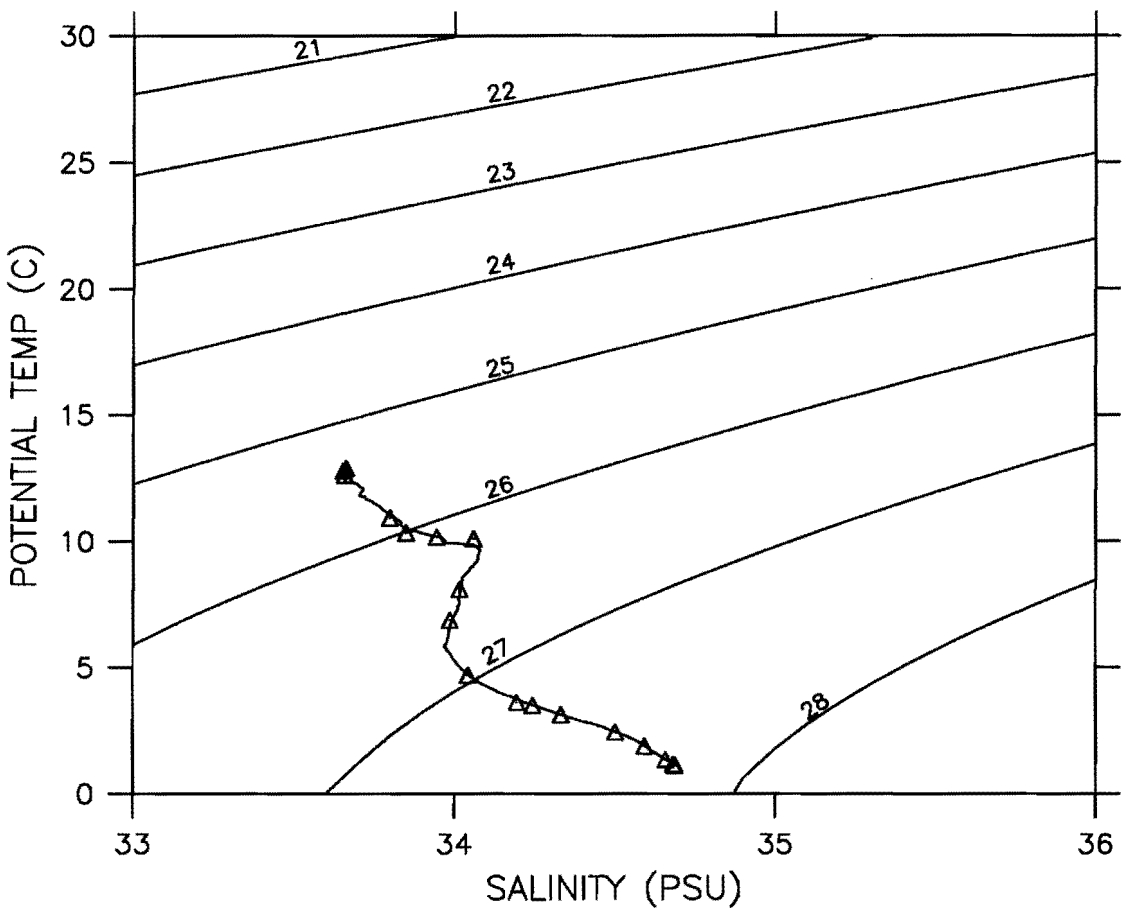


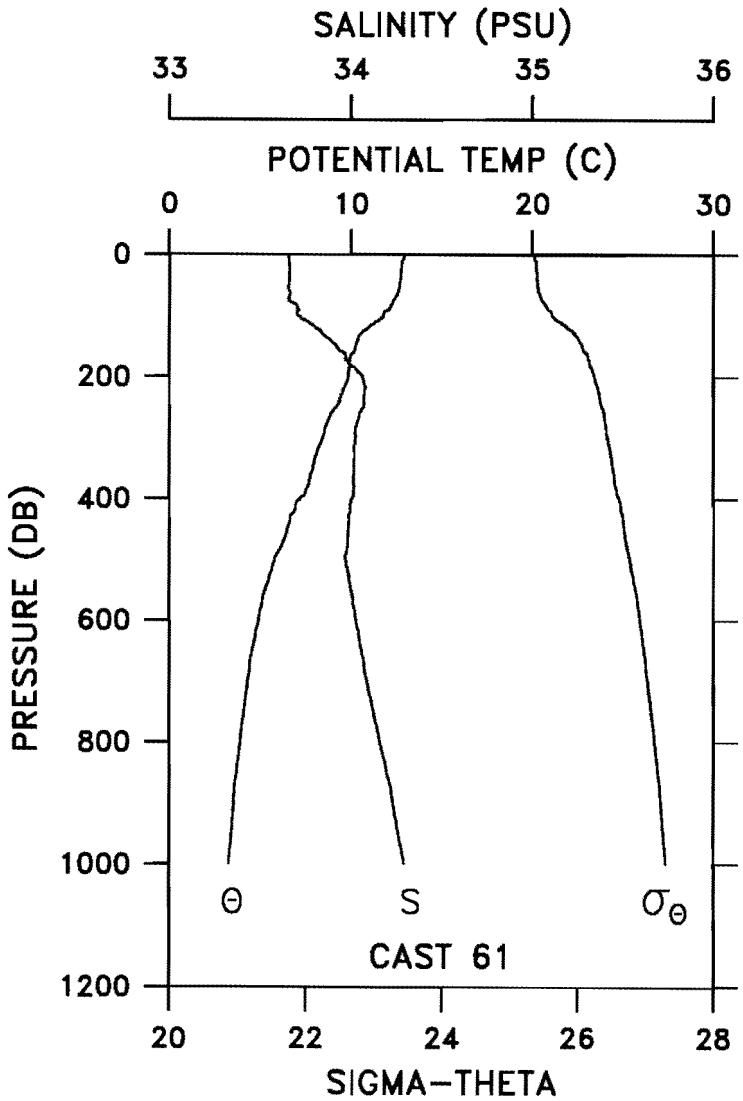
CAST CG2-91-DI -060 DATE 22 MAR 91 TIME 0215 GMT
LAT 38 40.2N LONG 151 59.9W WEATHER 2 SEA STATE 1
BAROMETER 31 WIND DIR 120 T SPD 01 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 15.0 WET 12.4 DEPTH 5338 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	12.957	33.661	25.365	0.000
10	12.970	33.660	25.362	0.026
20	12.910	33.657	25.371	0.052
30	12.863	33.650	25.374	0.078
40	12.830	33.651	25.382	0.104
50	12.675	33.634	25.399	0.130
60	12.544	33.645	25.433	0.156
70	12.433	33.668	25.473	0.181
80	12.079	33.694	25.560	0.206
90	11.705	33.713	25.645	0.230
100	11.103	33.786	25.812	0.252
110	10.996	33.815	25.854	0.274
120	10.728	33.821	25.906	0.295
130	10.572	33.859	25.963	0.316
140	10.294	33.870	26.020	0.337
150	10.193	33.911	26.069	0.357
160	10.129	33.952	26.112	0.376
170	10.013	33.984	26.157	0.395
180	9.986	34.033	26.199	0.414
190	10.003	34.078	26.232	0.432
200	9.905	34.083	26.252	0.450
250	9.211	34.083	26.367	0.537
300	8.547	34.049	26.445	0.621
350	7.981	34.026	26.512	0.700
400	7.376	34.005	26.583	0.778
450	6.706	33.985	26.659	0.852
500	6.028	33.980	26.743	0.921
550	5.522	33.992	26.815	0.988
600	5.016	34.017	26.894	1.050
650	4.641	34.048	26.961	1.109
700	4.298	34.092	27.033	1.165
750	4.060	34.129	27.087	1.218
800	3.860	34.169	27.139	1.269
900	3.532	34.237	27.226	1.364
1000	3.296	34.296	27.296	1.451
1500	2.447	34.508	27.541	1.812
2000	1.891	34.595	27.656	2.097
2500	1.552	34.634	27.713	2.345
3000	1.351	34.659	27.748	2.576
3500	1.232	34.674	27.768	2.800
4000	1.164	34.682	27.779	3.024
4500	1.134	34.685	27.783	3.253
5000	1.114	34.687	27.786	3.491
5350	1.100	34.689	27.788	3.662

CAST CG2-91-DI -061 DATE 22 MAR 91 TIME 0933 GMT

LAT 39 21.0N LONG 151 59.2W



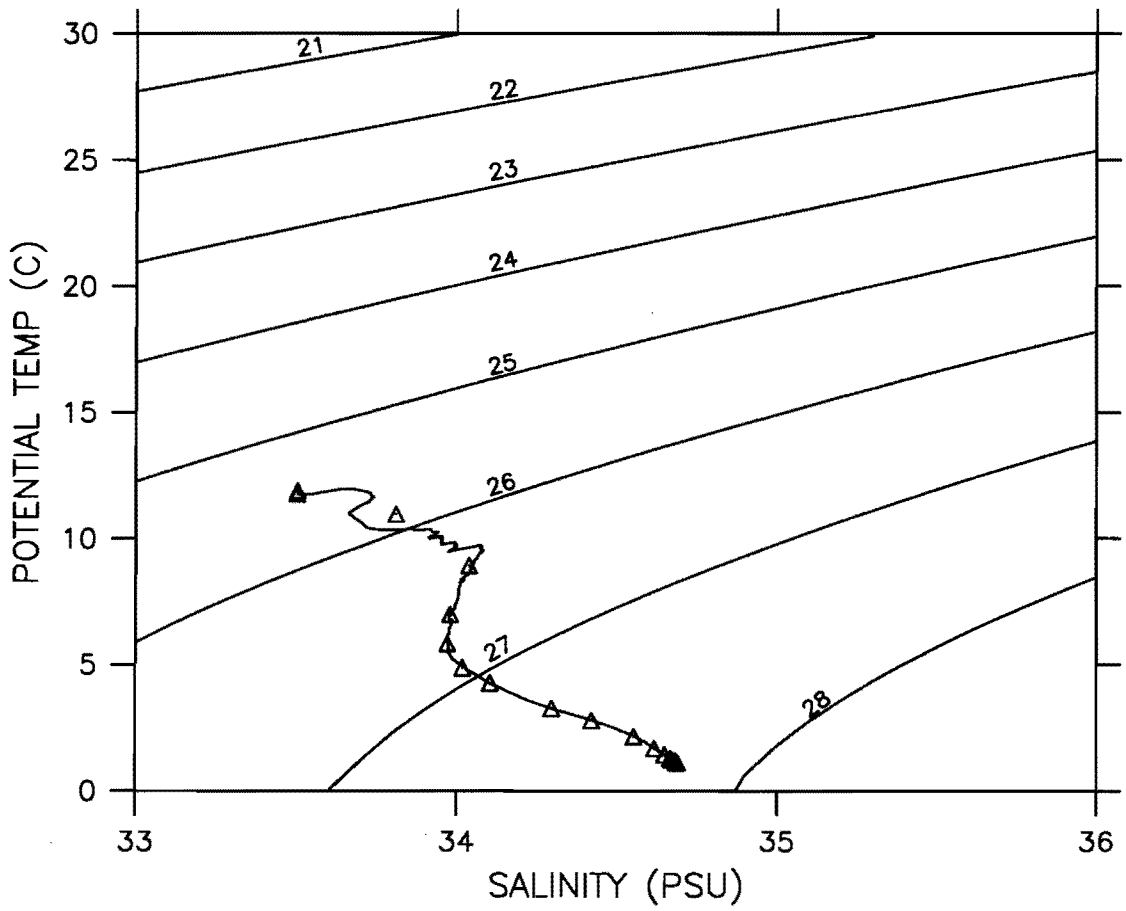


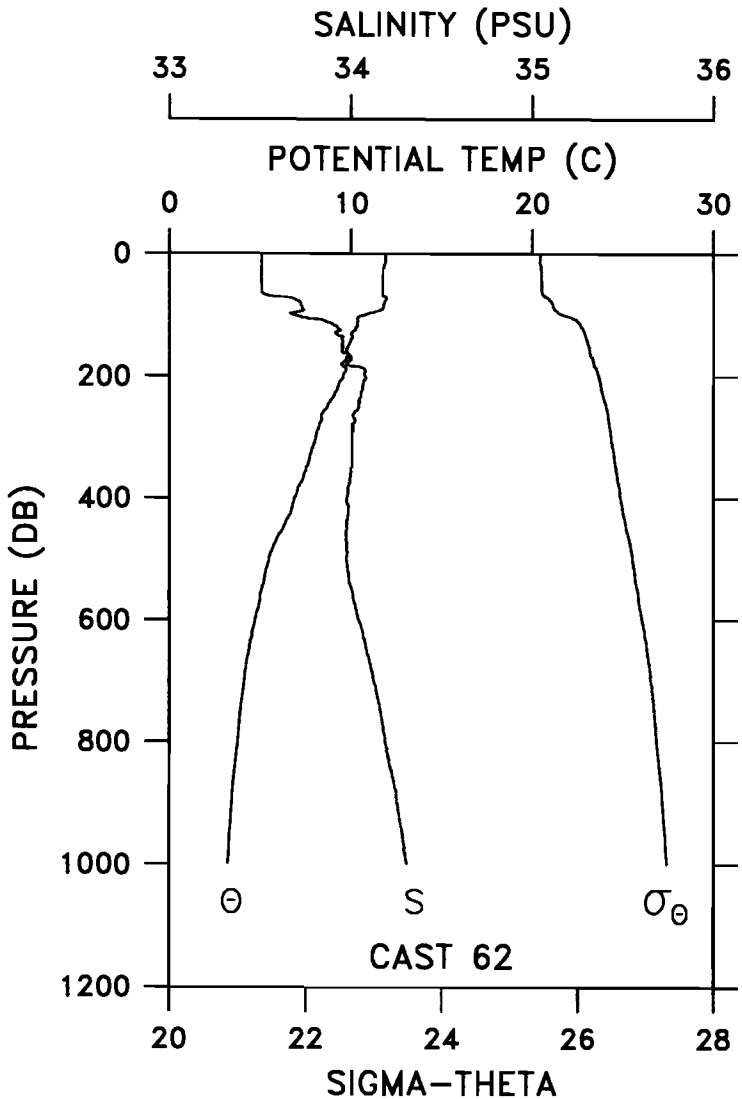
CAST CG2-91-DI -061 DATE 22 MAR 91 TIME 0933 GMT
LAT 39 21.0N LONG 151 59.2W WEATHER 1 SEA STATE 0
BAROMETER 33 WIND DIR 000 T SPD 00 KT VISIBILITY 7
CLOUD 0 AMOUNT 3 DRY 12.3 WET 11.2 DEPTH 5346 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	12.930	33.658	25.368	0.000
10	12.873	33.660	25.380	0.026
20	12.799	33.662	25.397	0.052
30	12.767	33.662	25.403	0.077
40	12.748	33.661	25.406	0.103
50	12.697	33.659	25.414	0.129
60	12.657	33.663	25.425	0.155
70	12.477	33.659	25.457	0.180
80	12.308	33.687	25.511	0.205
90	12.125	33.710	25.564	0.230
100	11.778	33.707	25.627	0.254
110	11.389	33.764	25.743	0.277
120	10.980	33.802	25.847	0.299
130	10.519	33.844	25.961	0.320
140	10.369	33.885	26.018	0.340
150	10.249	33.917	26.064	0.360
160	10.145	33.959	26.115	0.380
170	9.937	33.970	26.158	0.399
180	9.912	33.992	26.180	0.418
190	9.863	34.032	26.219	0.436
200	9.833	34.062	26.248	0.454
250	9.169	34.067	26.361	0.542
300	8.453	34.024	26.439	0.625
350	7.913	34.017	26.515	0.705
400	7.192	34.004	26.608	0.782
450	6.512	33.983	26.684	0.854
500	5.801	33.969	26.763	0.923
550	5.289	33.999	26.848	0.988
600	4.910	34.025	26.912	1.050
650	4.564	34.056	26.976	1.108
700	4.316	34.088	27.028	1.164
750	4.104	34.124	27.078	1.217
800	3.914	34.159	27.126	1.268
900	3.553	34.232	27.220	1.364
1000	3.287	34.294	27.295	1.452
1500	2.459	34.501	27.535	1.815
2000	1.888	34.596	27.657	2.100
2500	1.546	34.636	27.714	2.349
3000	1.352	34.660	27.748	2.579
3500	1.229	34.675	27.768	2.803
4000	1.169	34.682	27.779	3.027
4500	1.140	34.686	27.784	3.256
5000	1.131	34.686	27.785	3.495
5510	1.114	34.687	27.786	3.750

CAST CG2-91-DI -062 DATE 22 MAR 91 TIME 1709 GMT

LAT 40 00.9N LONG 151 59.6W



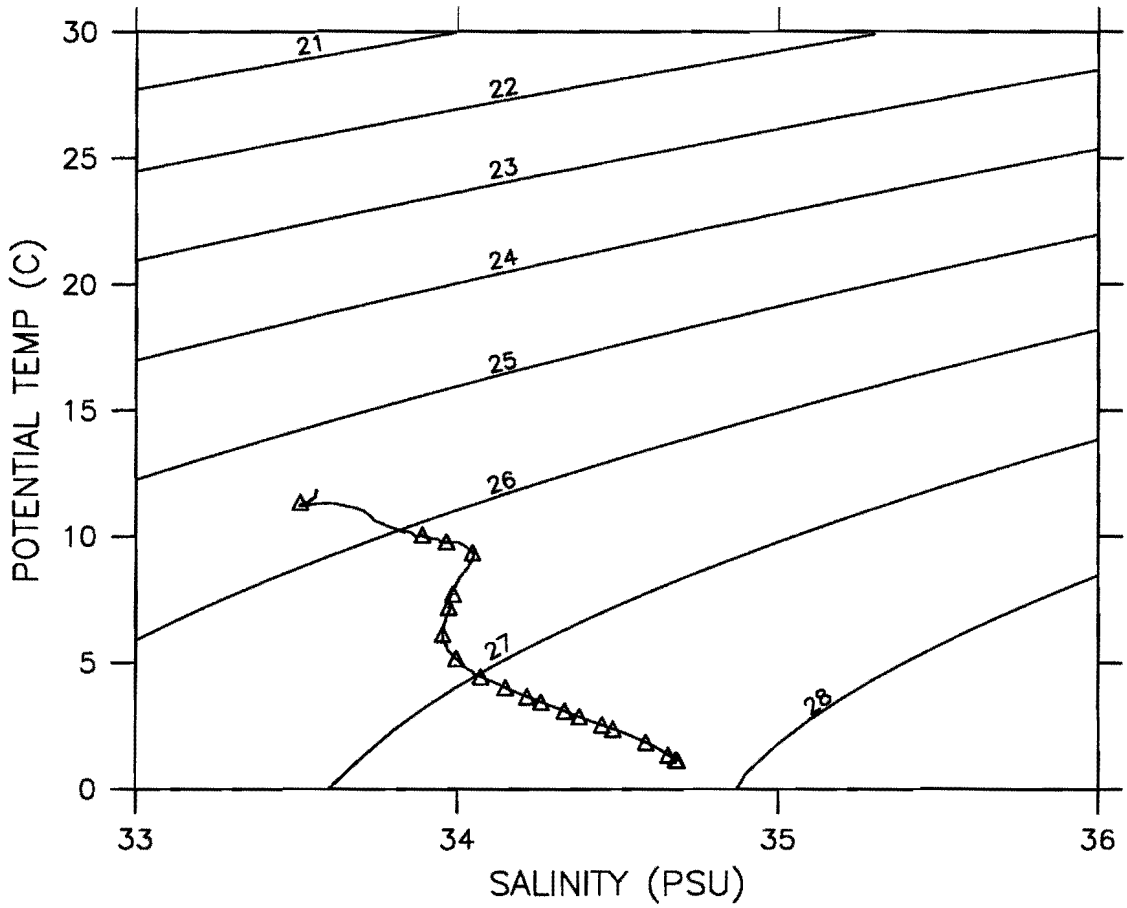


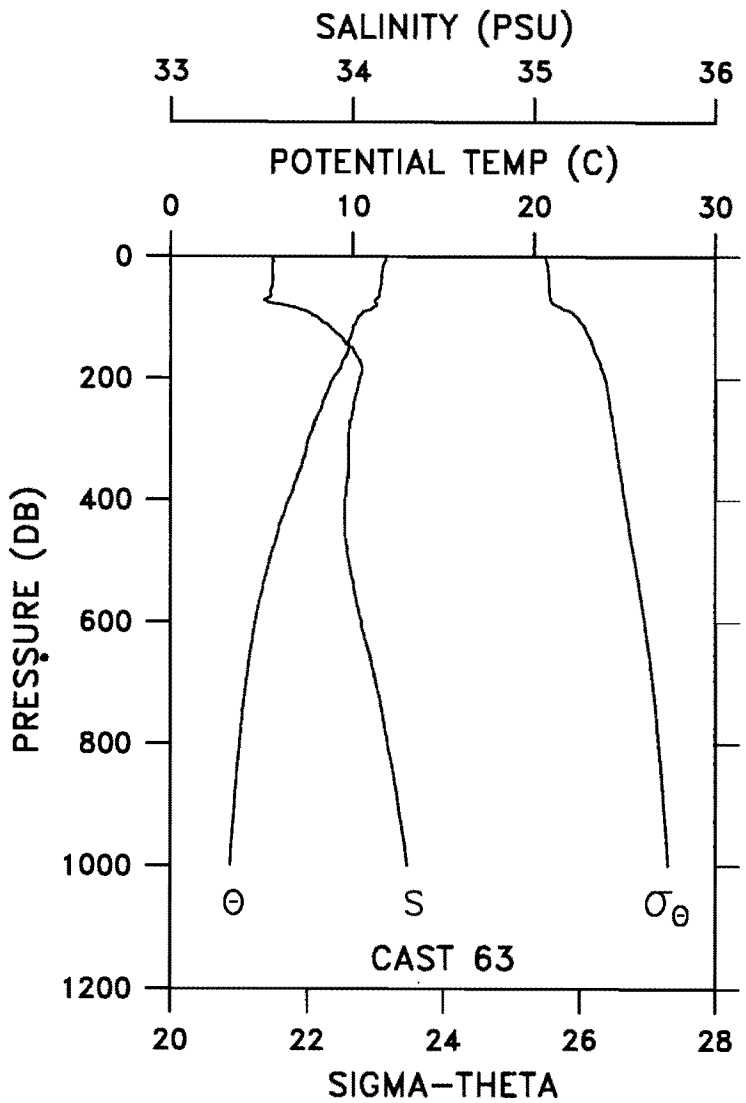
CAST CG2-91-DI -062 DATE 22 MAR 91 TIME 1709 GMT
LAT 40 00.9N LONG 151 59.6W WEATHER 1 SEA STATE 3
BAROMETER 34 WIND DIR 035 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 10.0 WET 08.9 DEPTH 5253 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	11.912	33.507	25.447	0.000
10	11.912	33.507	25.446	0.025
20	11.830	33.506	25.461	0.050
30	11.791	33.505	25.467	0.076
40	11.780	33.505	25.469	0.101
50	11.777	33.506	25.471	0.126
60	11.769	33.506	25.473	0.151
70	11.858	33.590	25.522	0.176
80	11.860	33.718	25.620	0.200
90	11.745	33.732	25.652	0.224
100	10.796	33.681	25.785	0.247
110	10.386	33.858	25.994	0.268
120	10.327	33.920	26.053	0.288
130	10.015	33.913	26.101	0.307
140	10.002	33.949	26.131	0.326
150	9.844	33.950	26.159	0.345
160	9.752	33.951	26.175	0.364
170	9.735	33.991	26.209	0.382
180	9.492	33.977	26.238	0.401
190	9.711	34.076	26.280	0.419
200	9.561	34.077	26.305	0.436
250	8.699	34.044	26.417	0.521
300	8.044	34.007	26.488	0.602
350	7.519	34.001	26.559	0.680
400	6.871	33.976	26.630	0.755
450	6.253	33.978	26.713	0.826
500	5.492	33.973	26.804	0.893
550	5.074	34.003	26.877	0.956
600	4.729	34.042	26.946	1.016
650	4.390	34.086	27.018	1.072
700	4.137	34.127	27.078	1.126
750	3.912	34.164	27.130	1.176
800	3.781	34.188	27.163	1.225
900	3.451	34.254	27.248	1.317
1000	3.224	34.308	27.312	1.403
1500	2.433	34.505	27.540	1.761
2000	1.896	34.594	27.654	2.045
2500	1.551	34.635	27.713	2.294
3000	1.350	34.660	27.748	2.525
3500	1.230	34.674	27.768	2.749
4000	1.175	34.682	27.778	2.973
4500	1.146	34.685	27.783	3.203
5000	1.131	34.687	27.785	3.442
5284	1.125	34.688	27.786	3.582

CAST CG2-91-DI -063 DATE 23 MAR 91 TIME 0038 GMT

LAT 40 40.5N LONG 152 01.3W



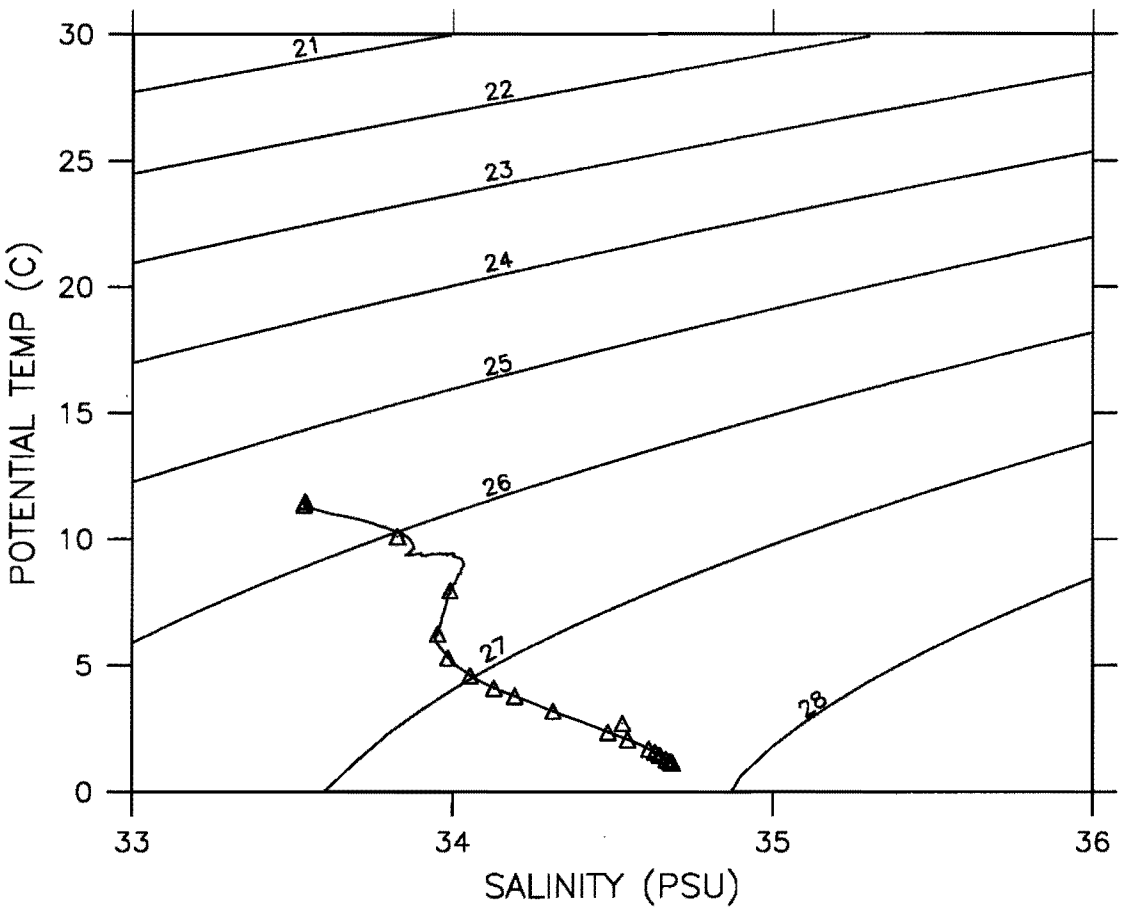


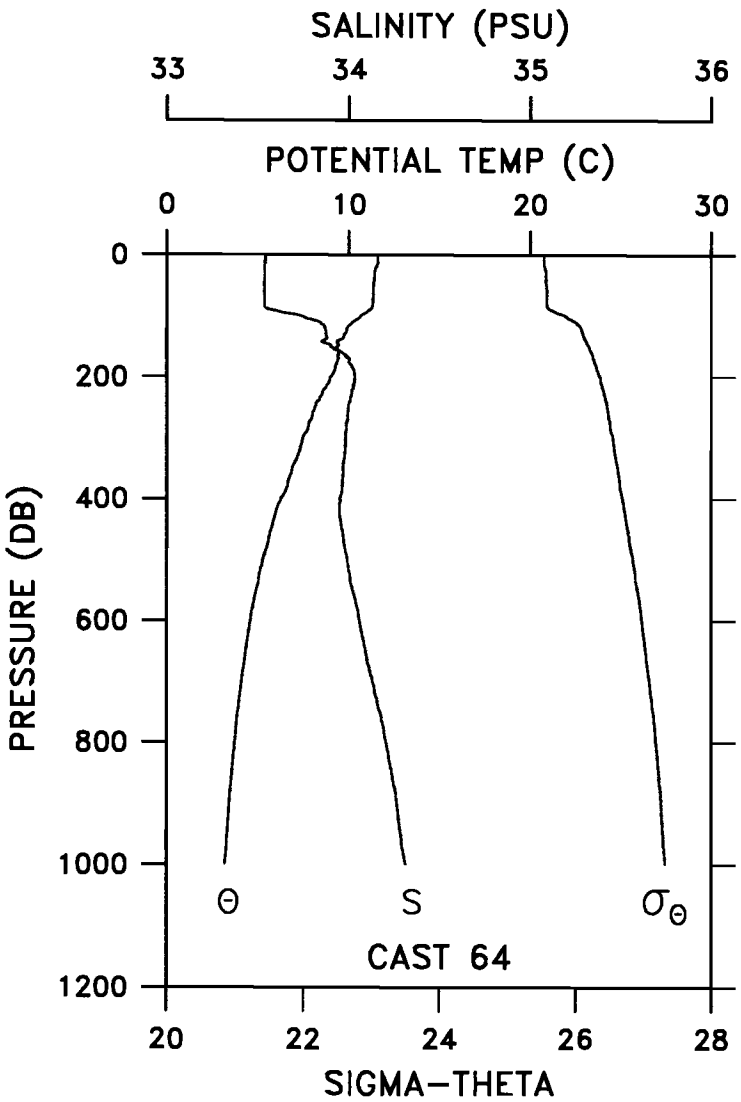
CAST CG2-91-DI -063 DATE 23 MAR 91 TIME 0038 GMT
LAT 40 40.5N LONG 152 01.3W WEATHER 1 SEA STATE 2
BAROMETER 34 WIND DIR 030 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 14.2 WET 10.8 DEPTH 5021 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	11.837	33.560	25.502	0.000
10	11.755	33.561	25.518	0.025
20	11.653	33.558	25.535	0.049
30	11.610	33.561	25.545	0.074
40	11.585	33.561	25.549	0.098
50	11.548	33.557	25.553	0.122
60	11.483	33.548	25.558	0.147
70	11.261	33.513	25.571	0.171
80	11.281	33.630	25.658	0.195
90	10.581	33.751	25.878	0.217
100	10.291	33.809	25.973	0.238
110	10.137	33.859	26.038	0.258
120	9.994	33.894	26.090	0.278
130	9.906	33.931	26.133	0.297
140	9.757	33.957	26.179	0.316
150	9.765	33.998	26.209	0.334
160	9.667	34.015	26.239	0.353
170	9.463	34.039	26.291	0.370
180	9.364	34.049	26.315	0.388
190	9.150	34.049	26.350	0.405
200	8.912	34.038	26.379	0.422
250	8.275	34.004	26.450	0.504
300	7.547	33.977	26.537	0.583
350	7.102	33.978	26.600	0.659
400	6.476	33.957	26.668	0.731
450	5.919	33.956	26.738	0.801
500	5.419	33.976	26.815	0.867
550	5.000	34.010	26.891	0.929
600	4.634	34.049	26.962	0.988
650	4.350	34.092	27.027	1.044
700	4.140	34.128	27.078	1.097
750	3.920	34.166	27.131	1.148
800	3.776	34.193	27.167	1.197
900	3.490	34.253	27.243	1.289
1000	3.255	34.301	27.304	1.376
1500	2.368	34.491	27.534	1.737
2000	1.871	34.587	27.651	2.023
2500	1.572	34.632	27.710	2.273
3000	1.348	34.660	27.748	2.505
3500	1.227	34.675	27.769	2.728
4000	1.168	34.683	27.779	2.952
4500	1.142	34.686	27.784	3.181
5000	1.139	34.686	27.784	3.420
5072	1.138	34.686	27.784	3.455

CAST CG2-91-DI -064 DATE 23 MAR 91 TIME 0801 GMT

LAT 41 21.0N LONG 152 00.3W



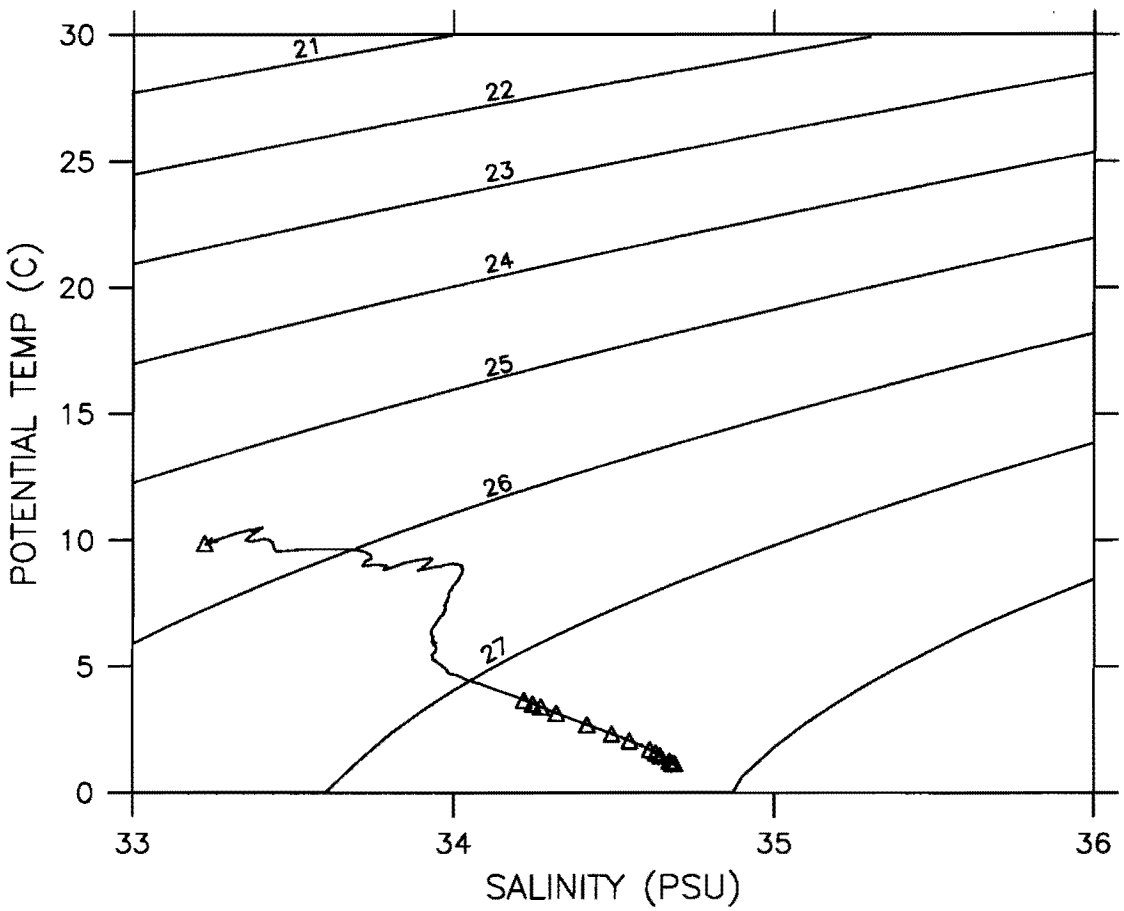


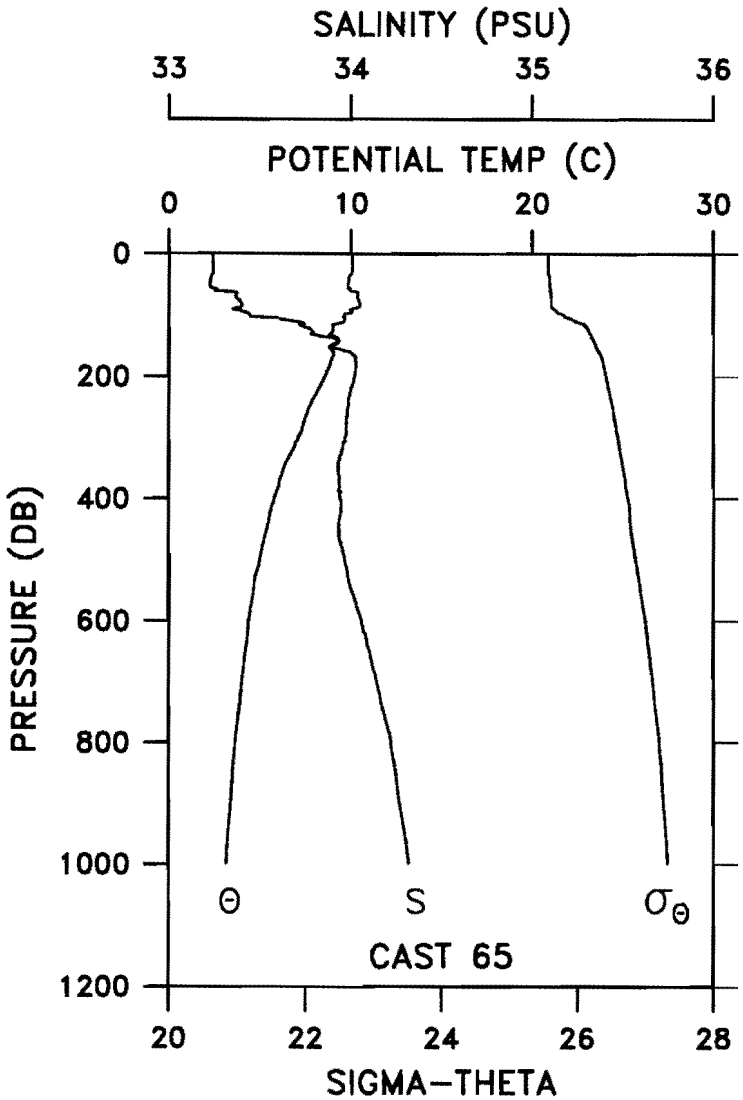
CAST CG2-91-DI -064 DATE 23 MAR 91 TIME 0801 GMT
LAT 41 21.0N LONG 152 00.3W WEATHER 0 SEA STATE 3
BAROMETER 36 WIND DIR 015 T SPD 15 KT VISIBILITY 8
CLOUD AMOUNT 1 DRY 09.9 WET 08.2 DEPTH 5218 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	11.587	33.541	25.534	0.000
10	11.596	33.540	25.532	0.024
20	11.515	33.539	25.545	0.049
30	11.411	33.537	25.563	0.073
40	11.397	33.537	25.565	0.097
50	11.363	33.536	25.571	0.121
60	11.336	33.536	25.576	0.146
70	11.328	33.538	25.578	0.170
80	11.316	33.538	25.580	0.194
90	11.174	33.570	25.631	0.218
100	10.697	33.731	25.841	0.241
110	10.259	33.835	25.998	0.262
120	9.906	33.868	26.084	0.281
130	9.784	33.874	26.109	0.301
140	9.495	33.866	26.151	0.320
150	9.381	33.901	26.197	0.338
160	9.426	33.959	26.235	0.357
170	9.432	34.000	26.266	0.375
180	9.293	34.010	26.297	0.392
190	9.214	34.028	26.323	0.410
200	9.003	34.034	26.361	0.427
250	8.139	33.998	26.466	0.509
300	7.479	33.980	26.548	0.587
350	6.881	33.966	26.621	0.662
400	6.250	33.948	26.690	0.734
450	5.724	33.959	26.765	0.802
500	5.262	33.990	26.844	0.867
550	4.911	34.020	26.909	0.929
600	4.589	34.057	26.974	0.987
650	4.342	34.091	27.027	1.042
700	4.107	34.131	27.084	1.095
750	3.898	34.171	27.137	1.146
800	3.733	34.204	27.180	1.194
900	3.435	34.264	27.257	1.285
1000	3.183	34.316	27.322	1.370
1500	2.372	34.484	27.528	1.728
2000	1.840	34.591	27.656	2.014
2500	1.548	34.636	27.714	2.262
3000	1.342	34.661	27.749	2.493
3500	1.228	34.675	27.769	2.716
4000	1.168	34.682	27.779	2.940
4500	1.143	34.685	27.783	3.169
5000	1.137	34.687	27.784	3.408
5280	1.135	34.686	27.784	3.547

CAST CG2-91-DI -065 DATE 23 MAR 91 TIME 1556 GMT

LAT 41 59.9N LONG 151 59.2W



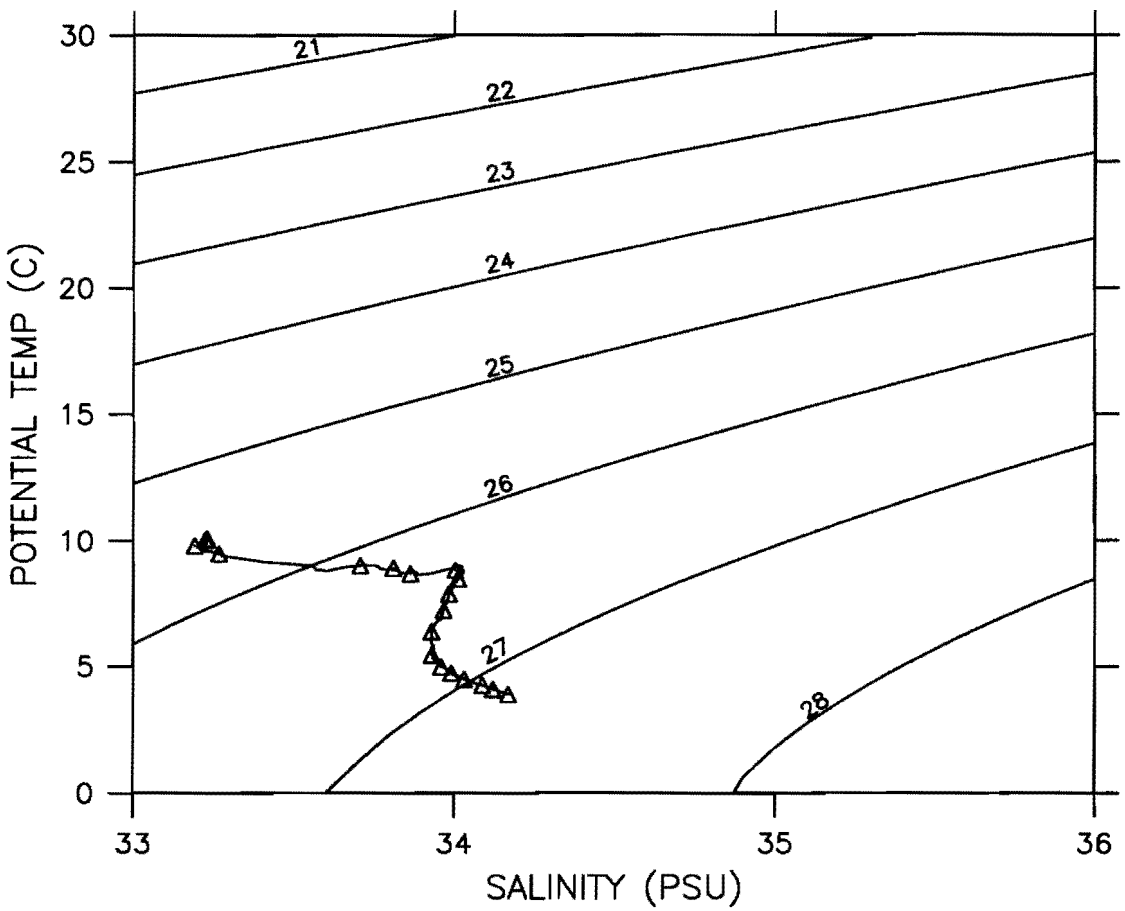


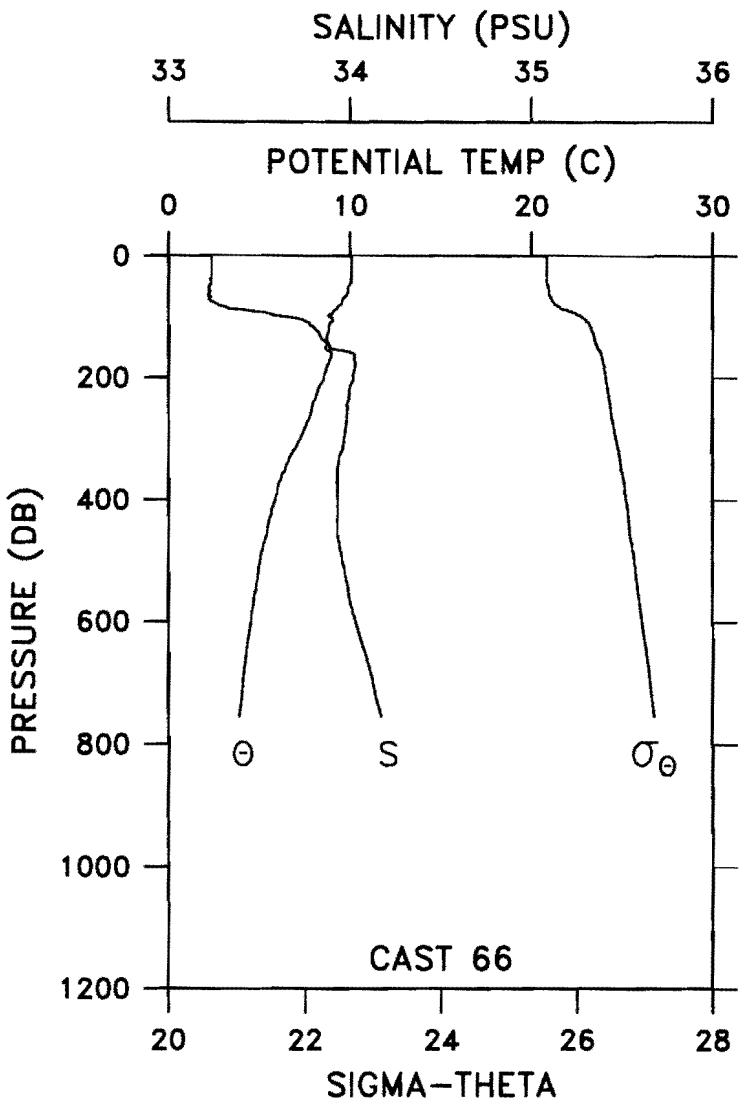
CAST CG2-91-DI -065 DATE 23 MAR 91 TIME 1556 GMT
LAT 41 59.9N LONG 151 59.2W WEATHER 2 SEA STATE 3
BAROMETER 35 WIND DIR 060 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 08.7 WET 07.5 DEPTH 5117 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	10.063	33.243	25.570	0.000
10	10.064	33.242	25.569	0.024
20	10.072	33.244	25.569	0.048
30	10.060	33.246	25.573	0.072
40	9.898	33.231	25.589	0.096
50	9.844	33.226	25.593	0.120
60	9.947	33.261	25.604	0.144
70	10.381	33.368	25.613	0.168
80	10.467	33.393	25.618	0.192
90	10.112	33.361	25.654	0.215
100	9.604	33.445	25.804	0.238
110	9.628	33.674	25.979	0.260
120	9.013	33.747	26.135	0.279
130	8.899	33.786	26.184	0.298
140	9.277	33.926	26.233	0.316
150	8.917	33.903	26.273	0.334
160	9.044	33.993	26.323	0.351
170	8.946	34.025	26.364	0.368
180	8.854	34.028	26.380	0.385
190	8.720	34.026	26.400	0.402
200	8.565	34.020	26.419	0.418
250	7.707	33.983	26.518	0.498
300	7.110	33.968	26.591	0.574
350	6.313	33.930	26.667	0.646
400	5.814	33.941	26.739	0.715
450	5.391	33.934	26.785	0.781
500	5.003	33.964	26.854	0.845
550	4.664	34.002	26.922	0.906
600	4.386	34.059	26.998	0.963
650	4.209	34.103	27.051	1.017
700	4.011	34.145	27.105	1.069
750	3.842	34.183	27.152	1.119
800	3.651	34.223	27.203	1.166
900	3.405	34.269	27.264	1.256
1000	3.160	34.320	27.328	1.340
1500	2.373	34.485	27.529	1.698
2000	1.870	34.587	27.651	1.985
2500	1.560	34.632	27.711	2.236
3000	1.343	34.660	27.749	2.467
3500	1.230	34.675	27.769	2.691
4000	1.170	34.683	27.779	2.914
4500	1.143	34.686	27.783	3.144
5000	1.139	34.687	27.784	3.383
5139	1.138	34.687	27.784	3.451

CAST CG2-91-DI -066 DATE 24 MAR 91 TIME 0931 GMT

LAT 41 59.6N LONG 151 59.1W



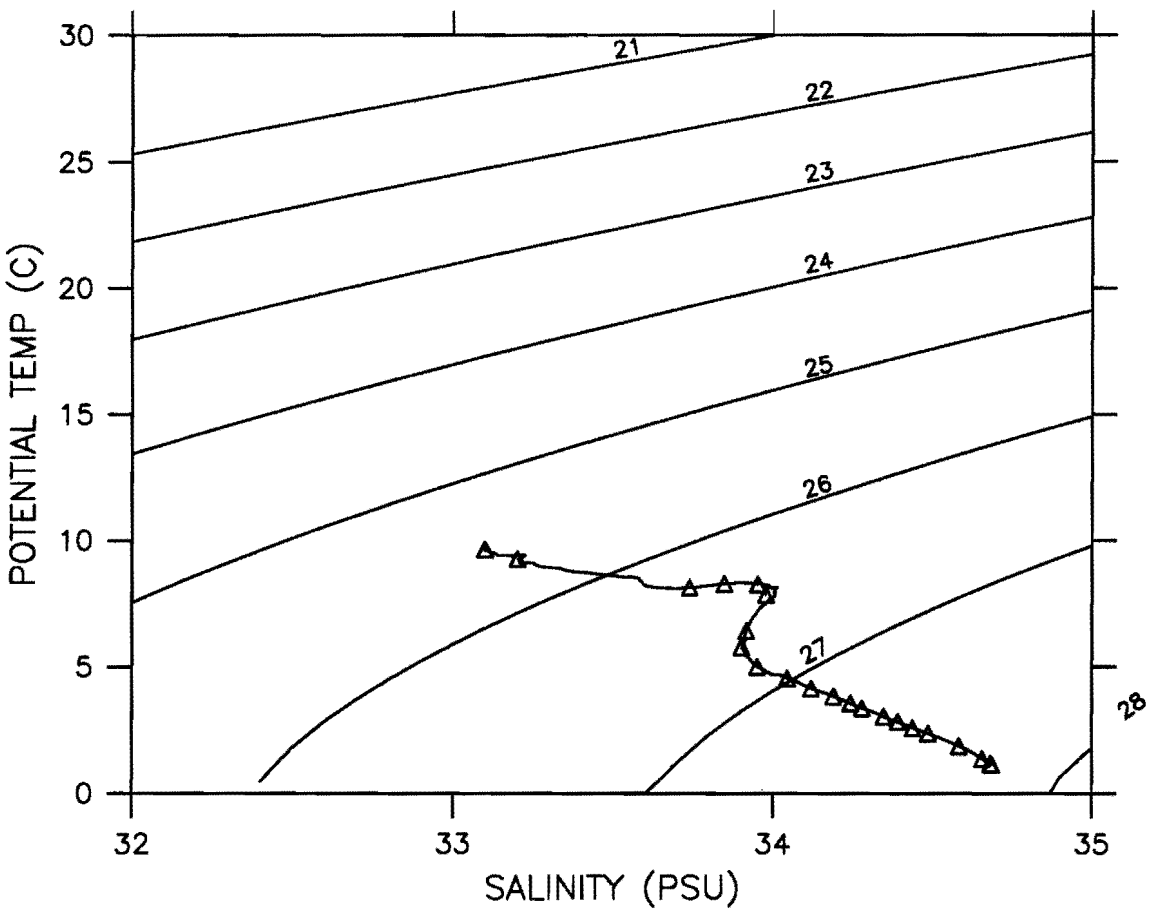


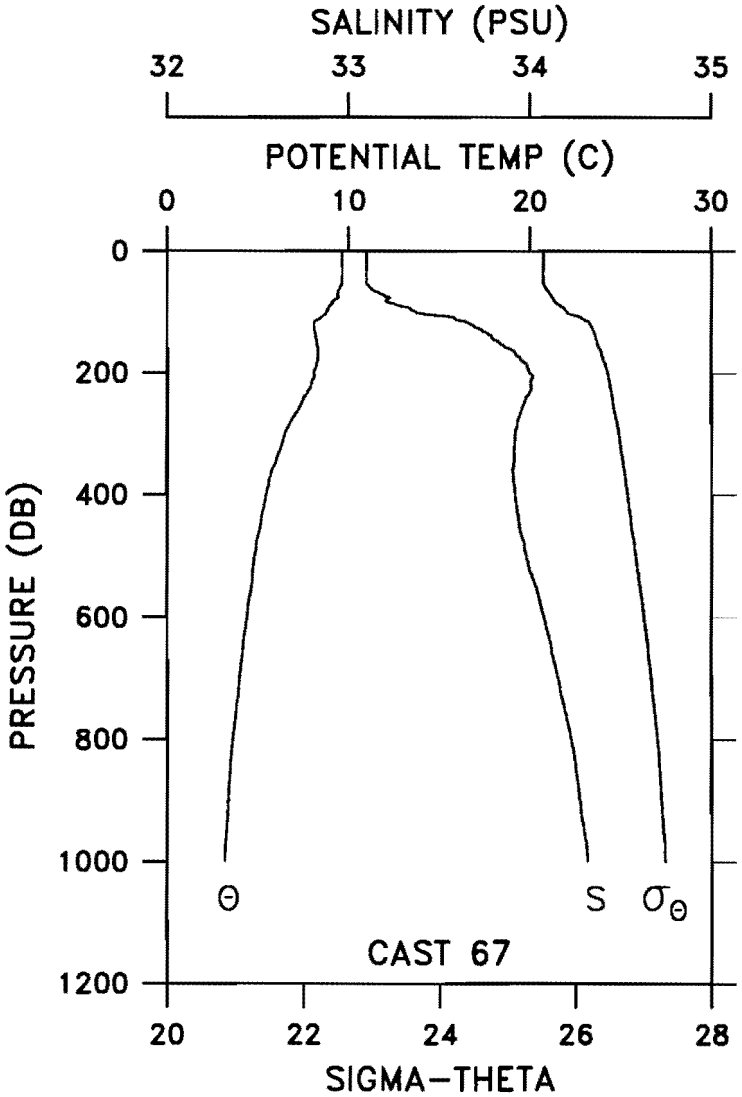
CAST CG2-91-DI -066 DATE 24 MAR 91 TIME 0931 GMT
LAT 41 59.6N LONG 151 59.1W WEATHER 1 SEA STATE 4
BAROMETER 36 WIND DIR 105 T SPD 18 KT VISIBILITY 8
CLOUD 0 AMOUNT 3 DRY 08.3 WET 06.2 DEPTH 5139 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	10.068	33.241	25.567	0.000
10	10.073	33.238	25.564	0.024
20	10.076	33.238	25.564	0.048
30	10.074	33.238	25.565	0.072
40	10.074	33.238	25.564	0.097
50	9.901	33.228	25.585	0.121
60	9.861	33.225	25.590	0.145
70	9.639	33.223	25.624	0.169
80	9.490	33.270	25.686	0.192
90	9.122	33.435	25.874	0.215
100	8.871	33.635	26.070	0.235
110	8.893	33.769	26.172	0.254
120	8.835	33.805	26.209	0.272
130	8.714	33.831	26.248	0.290
140	8.718	33.859	26.269	0.308
150	8.645	33.887	26.302	0.326
160	8.976	34.016	26.352	0.343
170	8.868	34.023	26.374	0.360
180	8.710	34.026	26.401	0.376
190	8.641	34.024	26.410	0.393
200	8.551	34.018	26.420	0.409
250	7.877	33.985	26.495	0.489
300	7.243	33.967	26.571	0.566
350	6.415	33.929	26.653	0.639
400	5.861	33.933	26.727	0.709
450	5.448	33.933	26.777	0.775
500	5.042	33.958	26.844	0.840
550	4.784	33.990	26.899	0.901
600	4.536	34.032	26.960	0.960
650	4.292	34.081	27.025	1.016
700	4.091	34.127	27.082	1.069
750	3.908	34.168	27.134	1.119
754	3.894	34.170	27.137	1.123

CAST CG2-91-DI -067 DATE 24 MAR 91 TIME 1628 GMT

LAT 42 40.8N LONG 151 58.5W



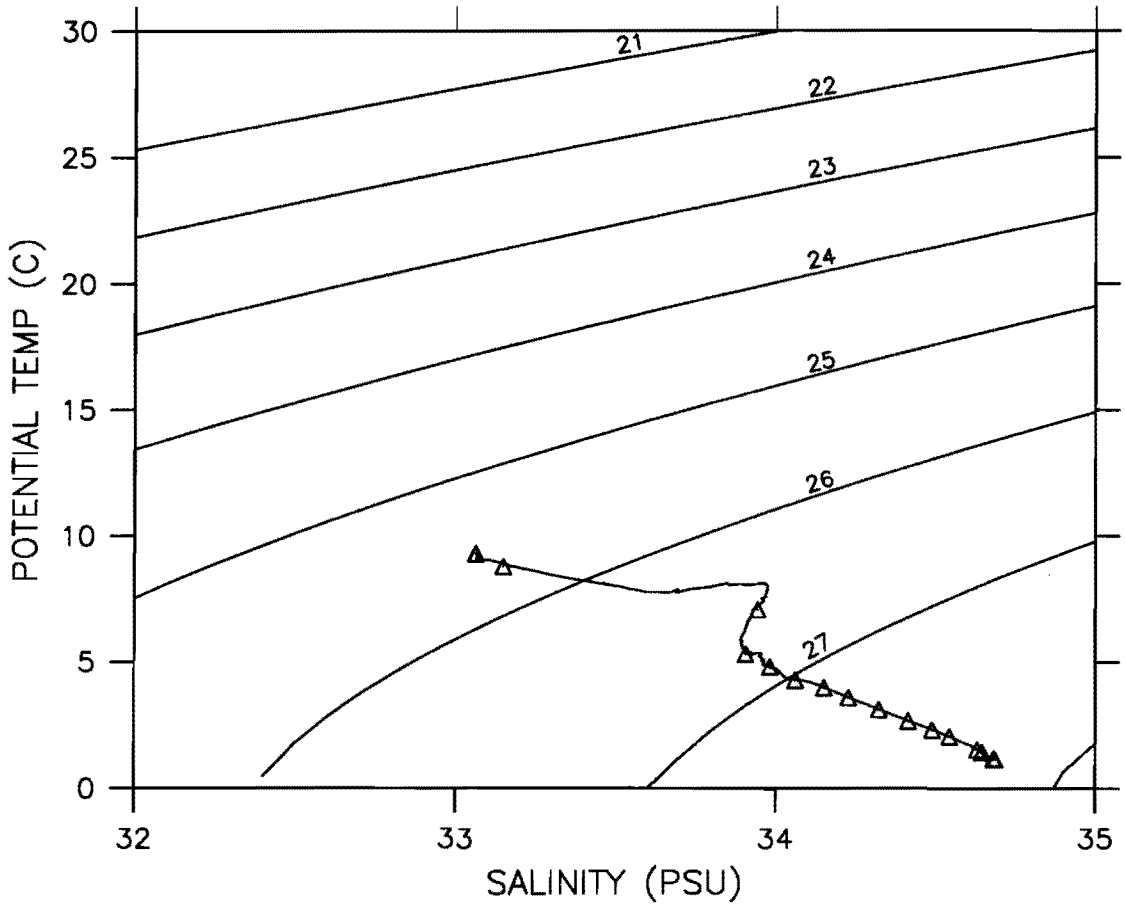


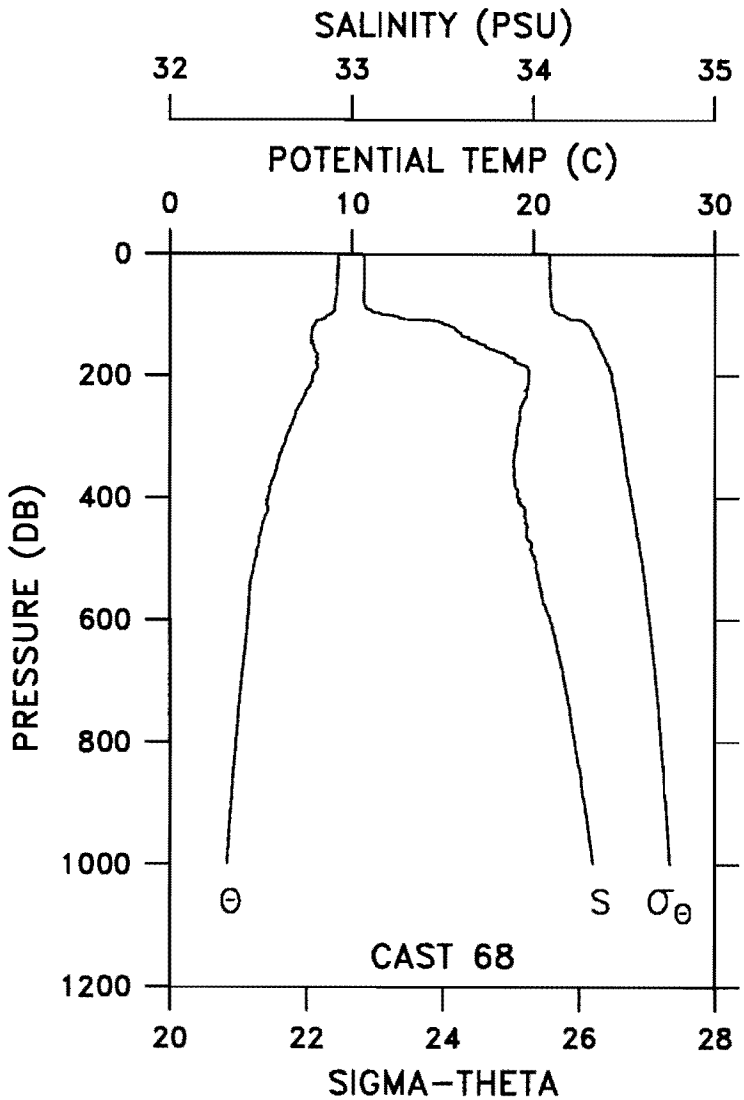
CAST CG2-91-DI -067 DATE 24 MAR 91 TIME 1628 GMT
LAT 42 40.8N LONG 151 58.5W WEATHER 1 SEA STATE 3
BAROMETER 36 WIND DIR 105 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 3 DRY 07.6 WET 05.8 DEPTH 5233 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	9.643	33.101	25.529	0.000
10	9.654	33.100	25.526	0.024
20	9.651	33.101	25.527	0.049
30	9.655	33.101	25.527	0.073
40	9.655	33.100	25.526	0.098
50	9.646	33.099	25.527	0.123
60	9.532	33.120	25.562	0.147
70	9.399	33.178	25.629	0.171
80	9.196	33.207	25.683	0.194
90	8.948	33.288	25.786	0.217
100	8.779	33.370	25.877	0.239
110	8.416	33.580	26.097	0.259
120	8.099	33.672	26.216	0.278
130	8.125	33.734	26.262	0.296
140	8.183	33.786	26.293	0.313
150	8.249	33.827	26.316	0.331
160	8.312	33.886	26.353	0.348
170	8.300	33.921	26.382	0.365
180	8.286	33.955	26.411	0.381
190	8.216	33.984	26.444	0.397
200	8.094	33.998	26.473	0.413
250	7.393	33.968	26.551	0.491
300	6.478	33.917	26.635	0.565
350	5.906	33.909	26.702	0.635
400	5.434	33.919	26.768	0.702
450	5.119	33.941	26.822	0.767
500	4.806	33.979	26.888	0.829
550	4.635	34.032	26.949	0.888
600	4.397	34.077	27.011	0.944
650	4.180	34.116	27.064	0.998
700	3.990	34.156	27.116	1.049
750	3.819	34.189	27.160	1.099
800	3.629	34.227	27.209	1.146
900	3.379	34.277	27.273	1.234
1000	3.183	34.317	27.323	1.318
1500	2.319	34.495	27.542	1.671
2000	1.840	34.588	27.654	1.954
2500	1.543	34.635	27.714	2.203
3000	1.343	34.660	27.749	2.433
3500	1.222	34.676	27.770	2.657
4000	1.163	34.683	27.780	2.879
4500	1.140	34.687	27.784	3.108
5000	1.135	34.687	27.784	3.347
5211	1.133	34.687	27.785	3.451

CAST CG2-91-DI -068 DATE 24 MAR 91 TIME 2358 GMT

LAT 43 20.0N LONG 152 00.0W



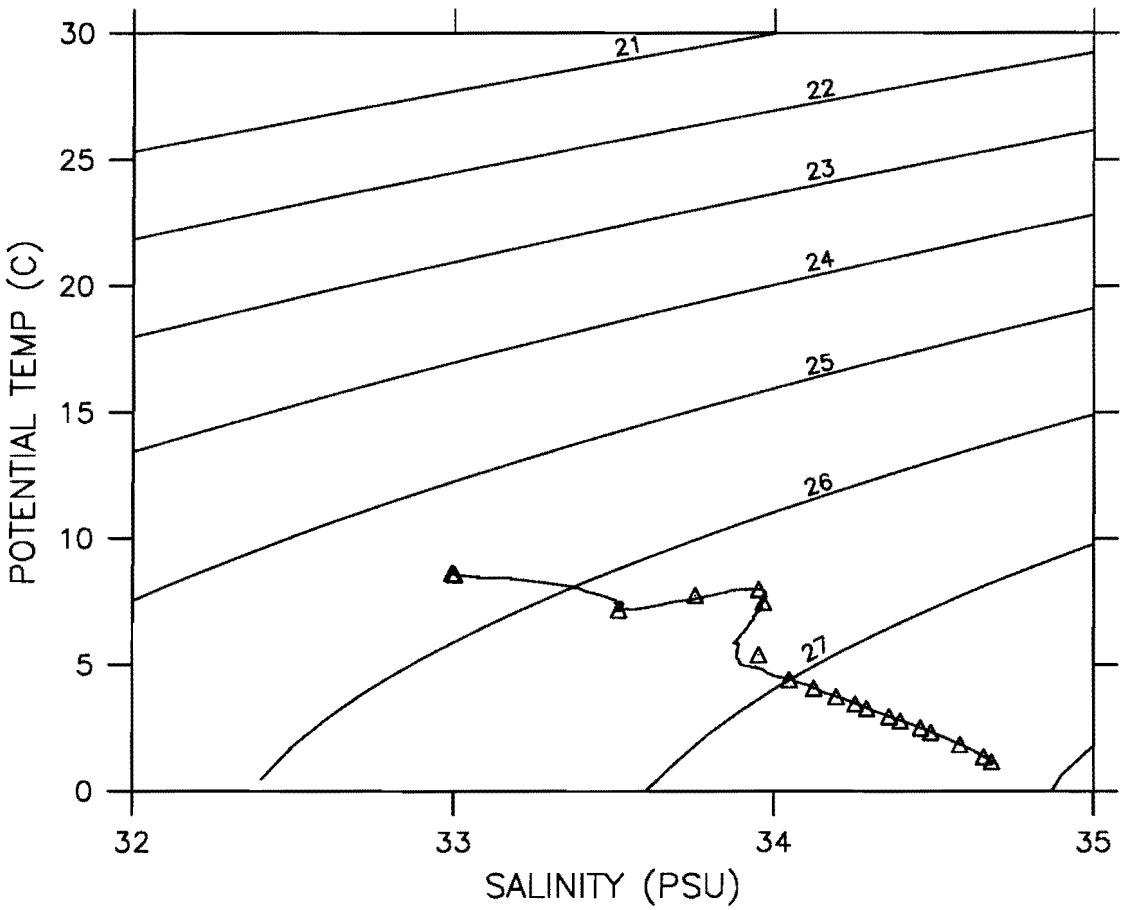


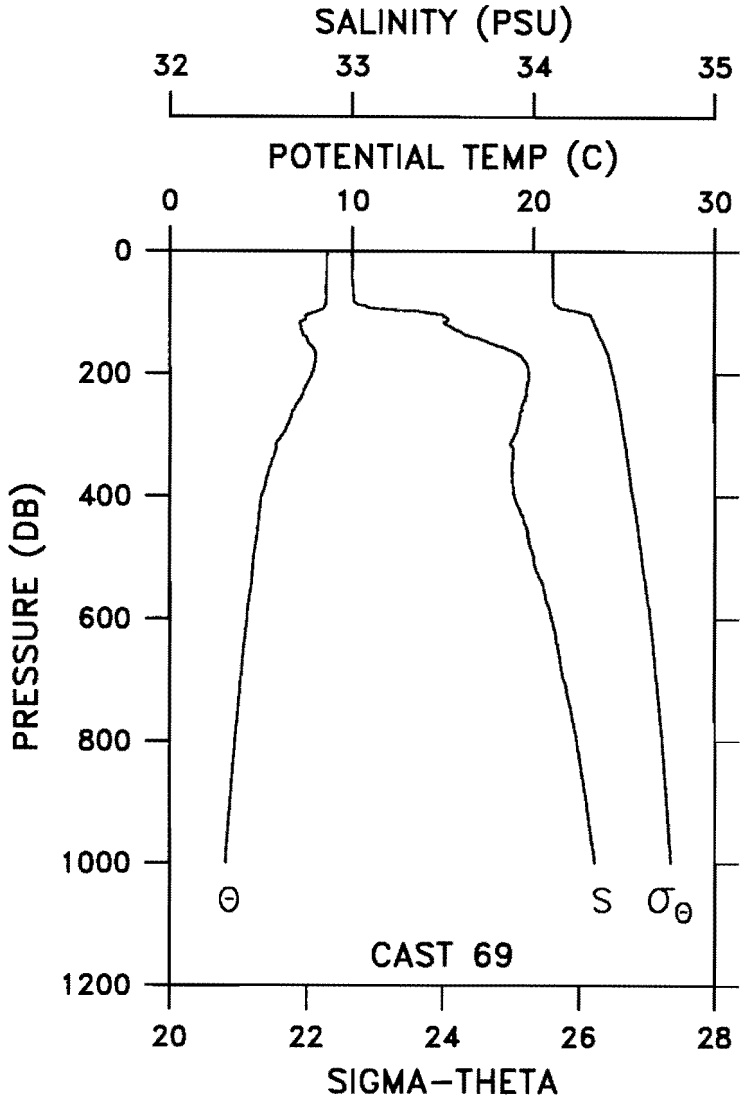
CAST CG2-91-DI -068 DATE 24 MAR 91 TIME 2358 GMT
LAT 43 20.0N LONG 152 00.0W WEATHER 2 SEA STATE 4
BAROMETER 35 WIND DIR 135 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 08.5 WET 06.6 DEPTH 4932 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	9.245	33.069	25.568	0.000
10	9.239	33.069	25.569	0.024
20	9.227	33.069	25.570	0.048
30	9.209	33.068	25.573	0.072
40	9.201	33.068	25.574	0.096
50	9.195	33.068	25.575	0.120
60	9.158	33.067	25.580	0.145
70	9.126	33.067	25.585	0.169
80	9.081	33.067	25.592	0.193
90	9.047	33.082	25.609	0.217
100	8.813	33.166	25.712	0.240
110	8.100	33.454	26.046	0.262
120	7.884	33.554	26.155	0.281
130	7.779	33.596	26.204	0.299
140	7.757	33.642	26.243	0.317
150	7.884	33.734	26.297	0.335
160	7.978	33.798	26.333	0.352
170	8.065	33.869	26.377	0.369
180	8.046	33.922	26.420	0.386
190	8.064	33.972	26.457	0.402
200	7.851	33.973	26.490	0.417
250	7.085	33.933	26.566	0.494
300	6.418	33.908	26.637	0.568
350	5.853	33.891	26.695	0.638
400	5.384	33.917	26.772	0.705
450	5.012	33.962	26.851	0.769
500	4.673	34.003	26.922	0.830
550	4.362	34.040	26.985	0.887
600	4.245	34.090	27.037	0.942
650	4.102	34.130	27.084	0.994
700	3.912	34.168	27.133	1.044
750	3.748	34.201	27.176	1.093
800	3.613	34.227	27.210	1.139
900	3.343	34.281	27.279	1.228
1000	3.107	34.329	27.340	1.311
1500	2.323	34.494	27.540	1.662
2000	1.847	34.583	27.650	1.947
2500	1.555	34.631	27.710	2.197
3000	1.346	34.659	27.748	2.429
3500	1.223	34.675	27.769	2.652
4000	1.162	34.682	27.779	2.875
4500	1.138	34.686	27.784	3.104
5000	1.131	34.687	27.785	3.342
5042	1.131	34.687	27.785	3.363

CAST CG2-91-DI -069 DATE 25 MAR 91 TIME 0950 GMT

LAT 44 25.1N LONG 151 59.8W



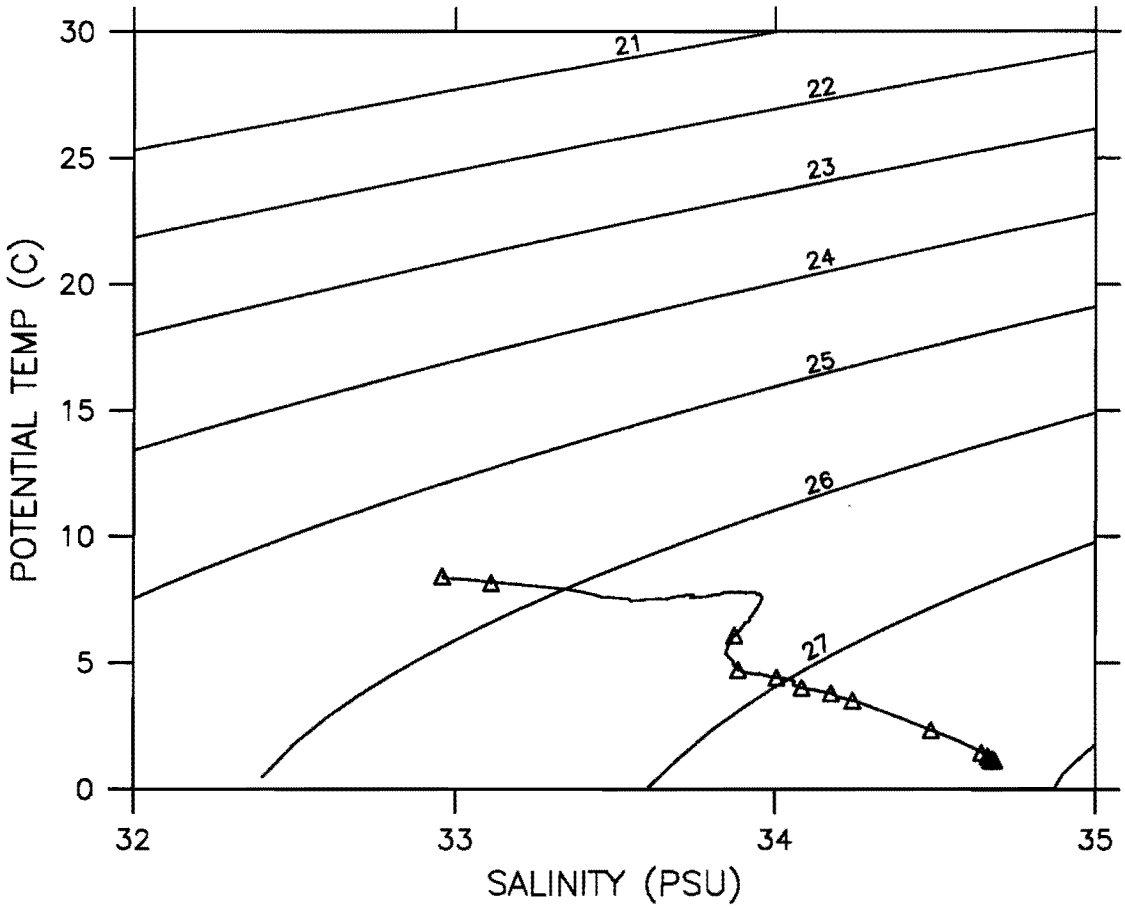


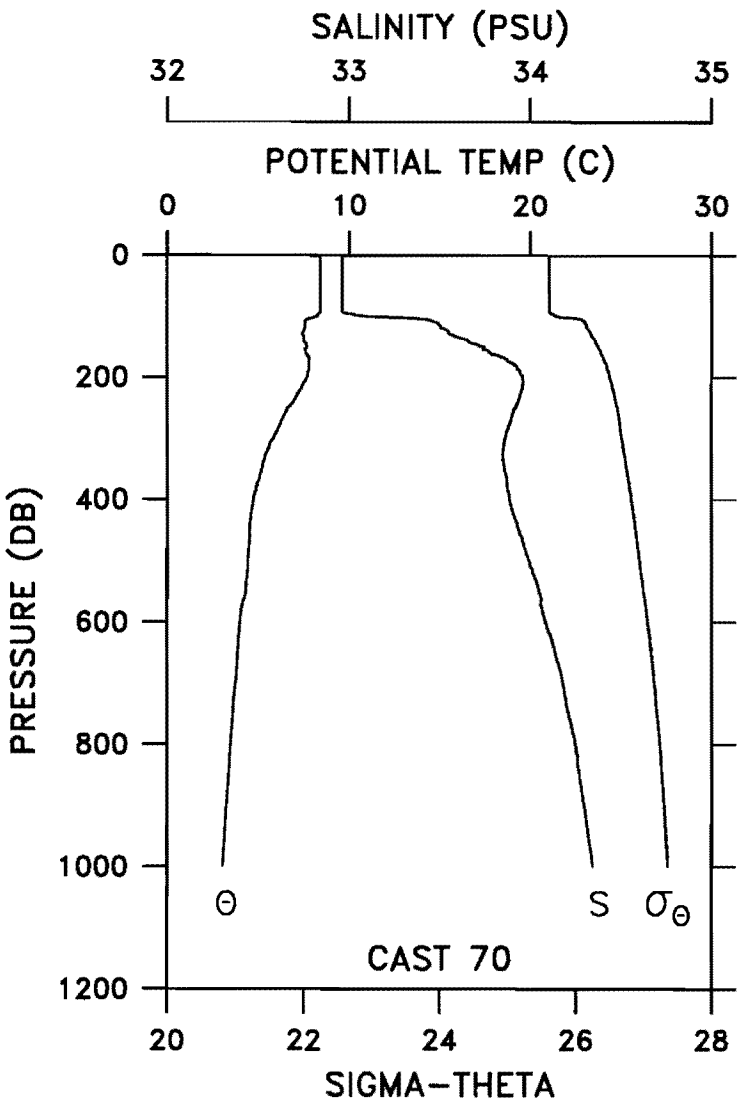
CAST CG2-91-DI -069 DATE 25 MAR 91 TIME 0950 GMT
LAT 44 25.1N LONG 151 59.8W WEATHER 2 SEA STATE 4
BAROMETER 33 WIND DIR 140 T SPD 19 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 07.8 WET 05.8 DEPTH 5201 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	8.635	33.001	25.610	0.000
10	8.636	33.001	25.609	0.024
20	8.631	33.000	25.610	0.047
30	8.624	33.000	25.611	0.071
40	8.610	32.998	25.611	0.095
50	8.586	33.001	25.617	0.119
60	8.574	33.005	25.622	0.142
70	8.575	33.006	25.623	0.166
80	8.567	33.008	25.626	0.190
90	8.476	33.077	25.694	0.213
100	7.867	33.418	26.051	0.235
110	7.453	33.528	26.197	0.253
120	7.158	33.524	26.235	0.271
130	7.239	33.592	26.277	0.289
140	7.488	33.686	26.316	0.307
150	7.627	33.766	26.359	0.324
160	7.905	33.860	26.392	0.340
170	8.002	33.928	26.432	0.356
180	7.992	33.954	26.454	0.373
190	7.917	33.970	26.478	0.388
200	7.789	33.975	26.500	0.404
250	6.937	33.940	26.593	0.480
300	6.190	33.897	26.657	0.552
350	5.539	33.885	26.728	0.621
400	5.028	33.893	26.795	0.687
450	4.825	33.960	26.870	0.750
500	4.569	34.000	26.930	0.810
550	4.427	34.055	26.990	0.867
600	4.220	34.099	27.047	0.921
650	4.027	34.135	27.096	0.973
700	3.859	34.166	27.138	1.023
750	3.707	34.205	27.184	1.071
800	3.550	34.238	27.225	1.117
900	3.295	34.293	27.293	1.204
1000	3.057	34.338	27.351	1.285
1500	2.307	34.498	27.545	1.633
2000	1.833	34.585	27.653	1.916
2500	1.546	34.631	27.711	2.165
3000	1.345	34.659	27.748	2.396
3500	1.223	34.675	27.769	2.620
4000	1.158	34.682	27.779	2.843
4500	1.133	34.687	27.785	3.071
5000	1.127	34.688	27.786	3.309
5257	1.126	34.687	27.785	3.435

CAST CG2-91-DI -070 DATE 25 MAR 91 TIME 1736 GMT

LAT 45 00.1N LONG 151 59.0W



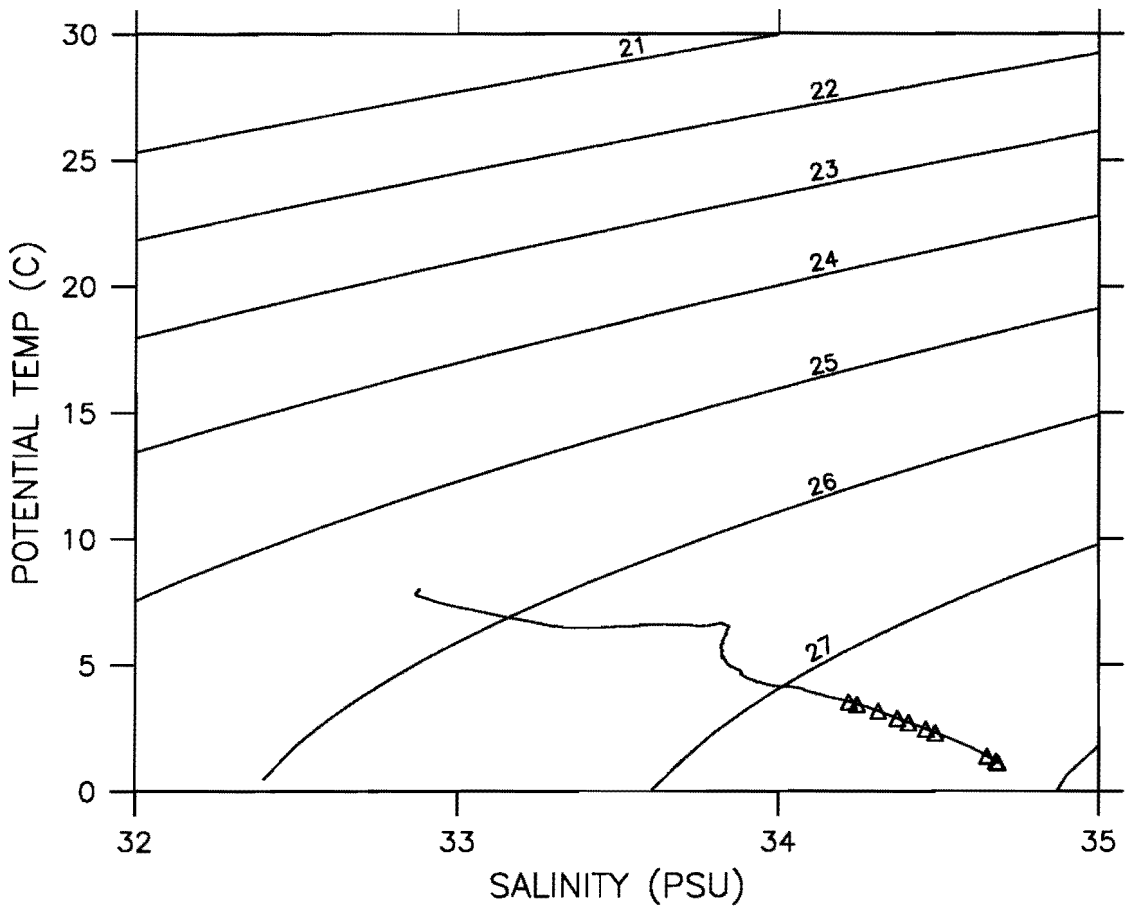


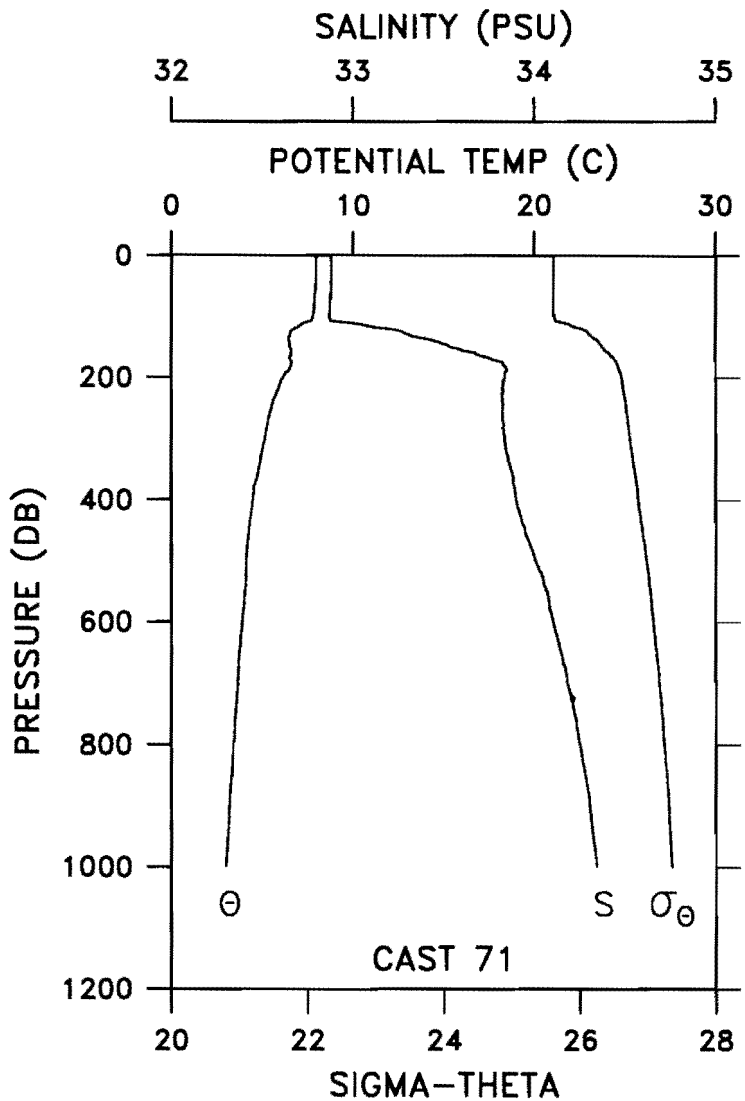
CAST CG2-91-DI -070 DATE 25 MAR 91 TIME 1736 GMT
LAT 45 00.1N LONG 151 59.0W WEATHER 2 SEA STATE 3
BAROMETER 31 WIND DIR 145 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 07.9 WET 06.2 DEPTH 5222 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	8.415	32.961	25.612	0.000
10	8.416	32.960	25.611	0.024
20	8.415	32.961	25.612	0.047
30	8.415	32.961	25.612	0.071
40	8.413	32.962	25.613	0.095
50	8.413	32.962	25.613	0.118
60	8.414	32.962	25.612	0.142
70	8.404	32.962	25.614	0.166
80	8.404	32.963	25.615	0.190
90	8.394	32.963	25.617	0.214
100	8.220	33.092	25.743	0.237
110	7.598	33.481	26.139	0.257
120	7.552	33.518	26.175	0.276
130	7.463	33.567	26.226	0.294
140	7.518	33.656	26.289	0.312
150	7.695	33.742	26.330	0.329
160	7.606	33.779	26.372	0.346
170	7.809	33.867	26.412	0.362
180	7.783	33.916	26.454	0.378
190	7.751	33.940	26.478	0.394
200	7.682	33.955	26.500	0.410
250	6.605	33.910	26.613	0.485
300	5.827	33.861	26.675	0.556
350	5.212	33.858	26.746	0.625
400	4.765	33.883	26.817	0.689
450	4.559	33.937	26.882	0.751
500	4.443	33.992	26.938	0.810
550	4.328	34.047	26.994	0.867
600	4.013	34.082	27.055	0.921
650	3.873	34.138	27.114	0.972
700	3.756	34.180	27.159	1.021
750	3.611	34.211	27.197	1.068
800	3.487	34.249	27.240	1.113
900	3.254	34.299	27.302	1.199
1000	3.051	34.343	27.356	1.280
1500	2.326	34.490	27.537	1.628
2000	1.857	34.580	27.646	1.916
2500	1.568	34.628	27.707	2.167
3000	1.362	34.657	27.745	2.401
3500	1.227	34.674	27.768	2.626
4000	1.160	34.682	27.779	2.849
4500	1.133	34.686	27.784	3.077
5000	1.123	34.688	27.786	3.315
5341	1.120	34.688	27.787	3.483

CAST CG2-91-DI -071 DATE 26 MAR 91 TIME 0113 GMT

LAT 45 41.0N LONG 151 59.7W



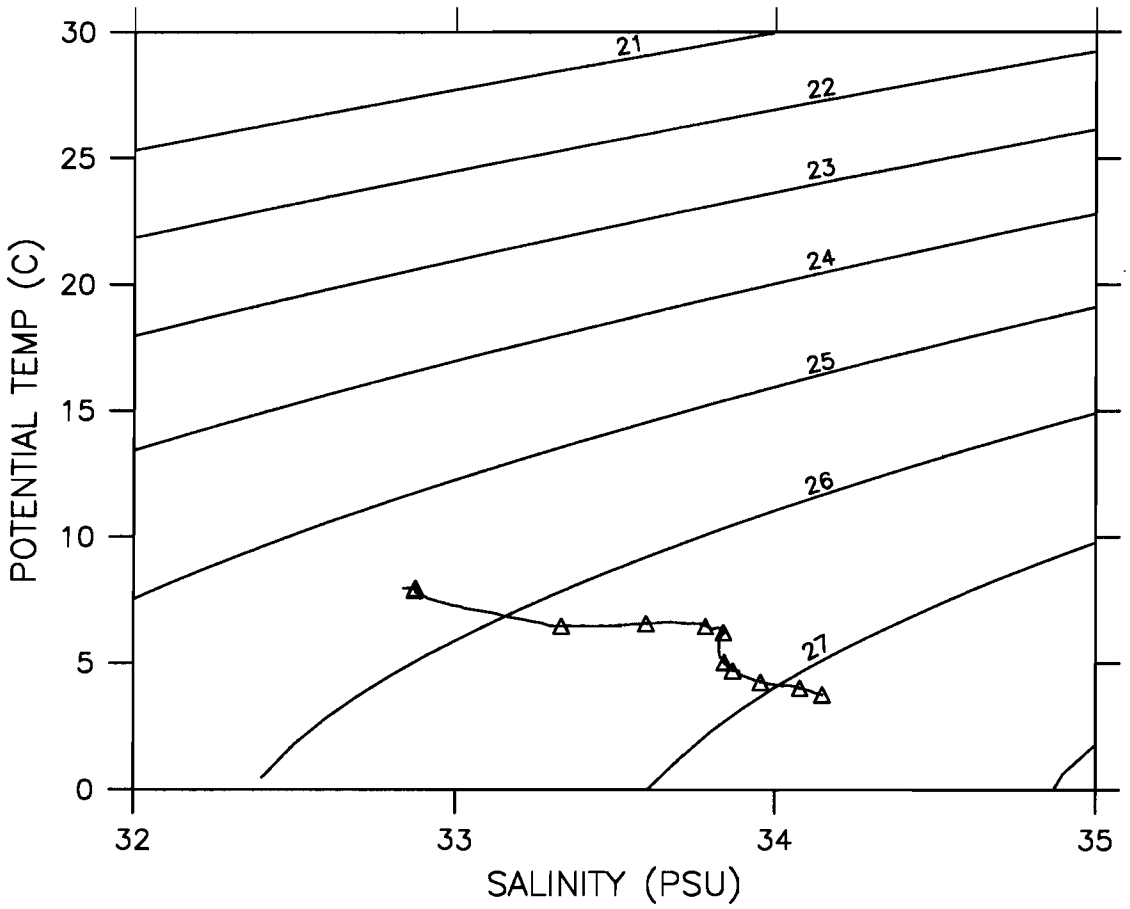


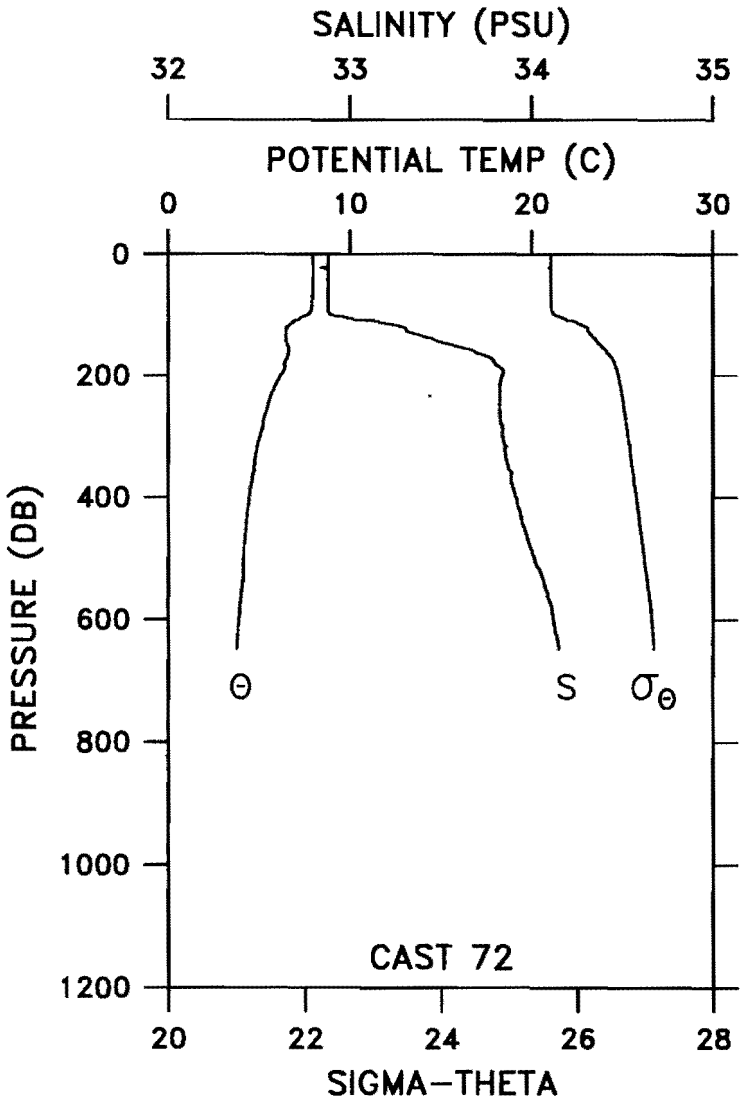
CAST CG2-91-DI -071 DATE 26 MAR 91 TIME 0113 GMT
LAT 45 41.0N LONG 151 59.7W WEATHER 2 SEA STATE 3
BAROMETER 28 WIND DIR 140 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 08.1 WET 06.8 DEPTH 5271 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.976	32.882	25.614	0.000
10	7.965	32.881	25.615	0.024
20	7.964	32.881	25.616	0.047
30	7.959	32.881	25.616	0.071
40	7.956	32.881	25.616	0.095
50	7.948	32.881	25.618	0.118
60	7.927	32.879	25.619	0.142
70	7.883	32.874	25.622	0.166
80	7.875	32.874	25.623	0.189
90	7.850	32.872	25.625	0.213
100	7.796	32.870	25.631	0.237
110	7.349	32.974	25.775	0.260
120	6.760	33.204	26.037	0.281
130	6.521	33.309	26.151	0.300
140	6.476	33.448	26.266	0.318
150	6.514	33.534	26.329	0.336
160	6.572	33.674	26.431	0.352
170	6.527	33.764	26.509	0.368
180	6.589	33.834	26.555	0.383
190	6.407	33.842	26.586	0.398
200	6.146	33.836	26.615	0.413
250	5.510	33.824	26.684	0.483
300	5.141	33.836	26.737	0.551
350	4.804	33.871	26.803	0.616
400	4.487	33.902	26.861	0.678
450	4.269	33.949	26.922	0.738
500	4.125	34.009	26.985	0.795
550	4.053	34.072	27.042	0.849
600	3.903	34.105	27.084	0.901
650	3.757	34.148	27.133	0.951
700	3.655	34.184	27.172	0.999
750	3.544	34.222	27.213	1.045
800	3.432	34.251	27.247	1.090
900	3.210	34.303	27.310	1.175
1000	3.011	34.344	27.360	1.255
1500	2.291	34.495	27.543	1.601
2000	1.842	34.582	27.649	1.884
2500	1.568	34.627	27.706	2.136
3000	1.375	34.654	27.741	2.371
3500	1.245	34.671	27.764	2.598
4000	1.164	34.680	27.777	2.822
4500	1.133	34.685	27.783	3.051
5000	1.126	34.687	27.785	3.289
5336	1.122	34.687	27.785	3.456

CAST CG2-91-DI -072 DATE 26 MAR 91 TIME 0405 GMT

LAT 45 41.1N LONG 151 59.6W



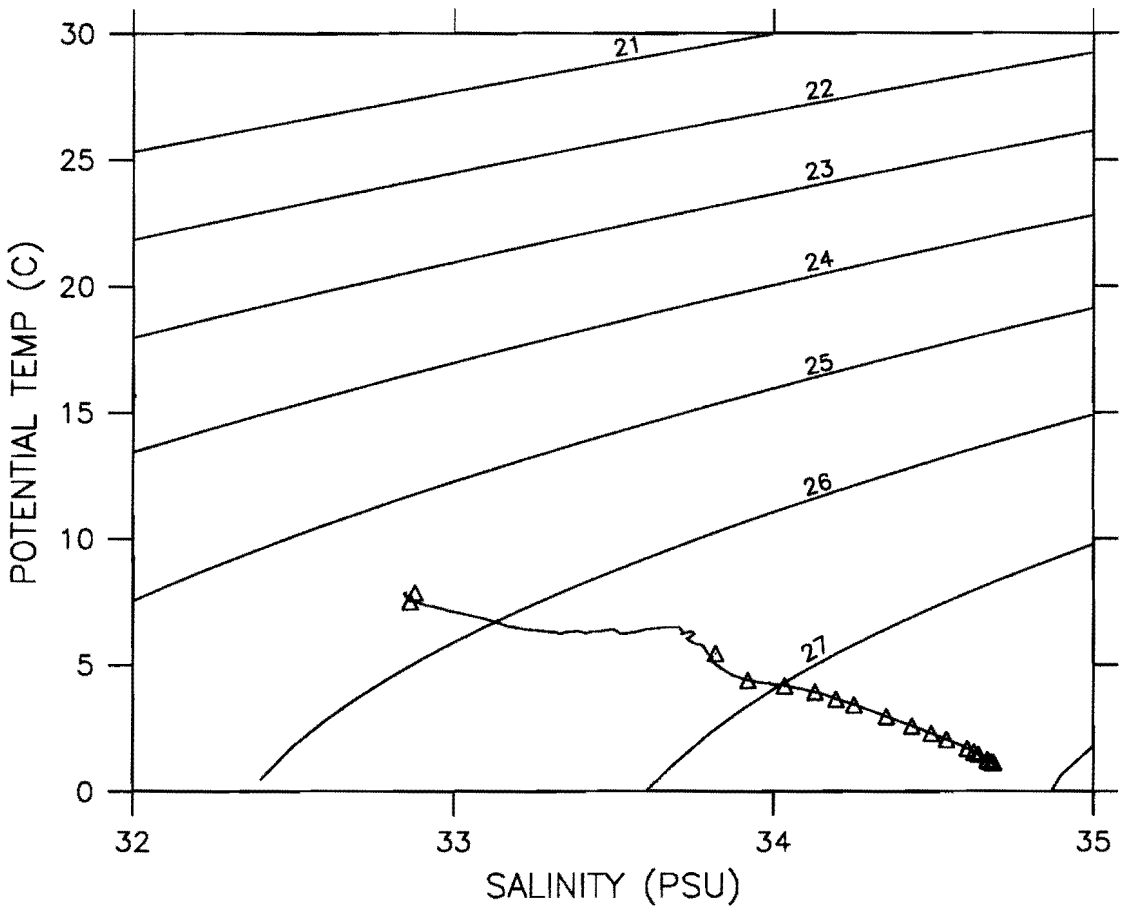


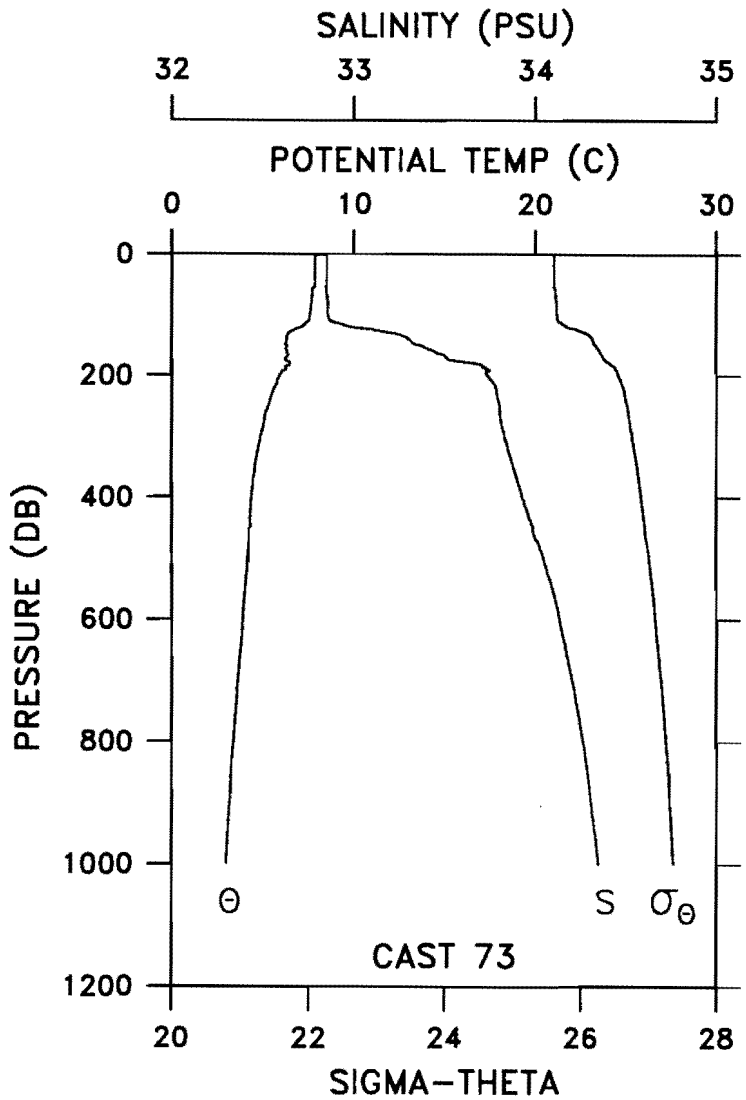
CAST CG2-91-DI -072 DATE 26 MAR 91 TIME 0405 GMT
LAT 45 41.1N LONG 151 59.6W WEATHER 2 SEA STATE 4
BAROMETER 26 WIND DIR 040 T SPD 18 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 08.3 WET 06.9 DEPTH 5250 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.949	32.879	25.616	0.000
10	7.949	32.879	25.616	0.024
20	7.951	32.878	25.615	0.047
30	7.951	32.879	25.616	0.071
40	7.946	32.879	25.616	0.095
50	7.948	32.878	25.615	0.118
60	7.933	32.878	25.617	0.142
70	7.913	32.878	25.620	0.166
80	7.891	32.876	25.622	0.189
90	7.866	32.876	25.626	0.213
100	7.595	32.910	25.691	0.237
110	6.912	33.138	25.964	0.259
120	6.476	33.296	26.146	0.278
130	6.471	33.351	26.190	0.297
140	6.469	33.462	26.278	0.315
150	6.558	33.573	26.354	0.332
160	6.612	33.687	26.436	0.348
170	6.536	33.773	26.515	0.364
180	6.379	33.799	26.556	0.379
190	6.369	33.842	26.591	0.394
200	6.151	33.836	26.614	0.409
250	5.456	33.824	26.690	0.479
300	5.017	33.844	26.757	0.546
350	4.705	33.871	26.813	0.610
400	4.430	33.915	26.878	0.672
450	4.261	33.959	26.931	0.731
500	4.113	34.016	26.991	0.787
550	4.013	34.075	27.049	0.841
600	3.859	34.120	27.100	0.893
648	3.757	34.149	27.134	0.940

CAST CG2-91-DI -073 DATE 26 MAR 91 TIME 1006 GMT

LAT 46 20.2N LONG 151 59.3W



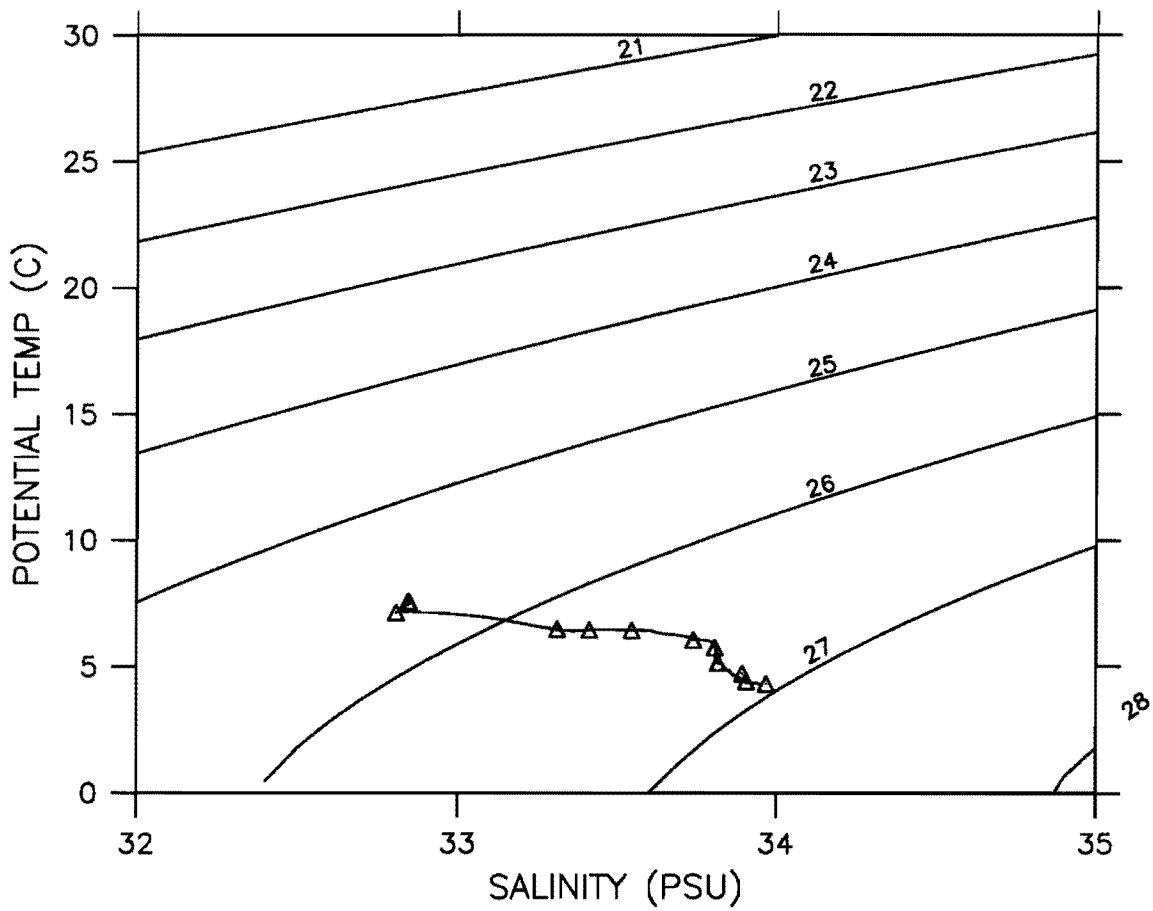


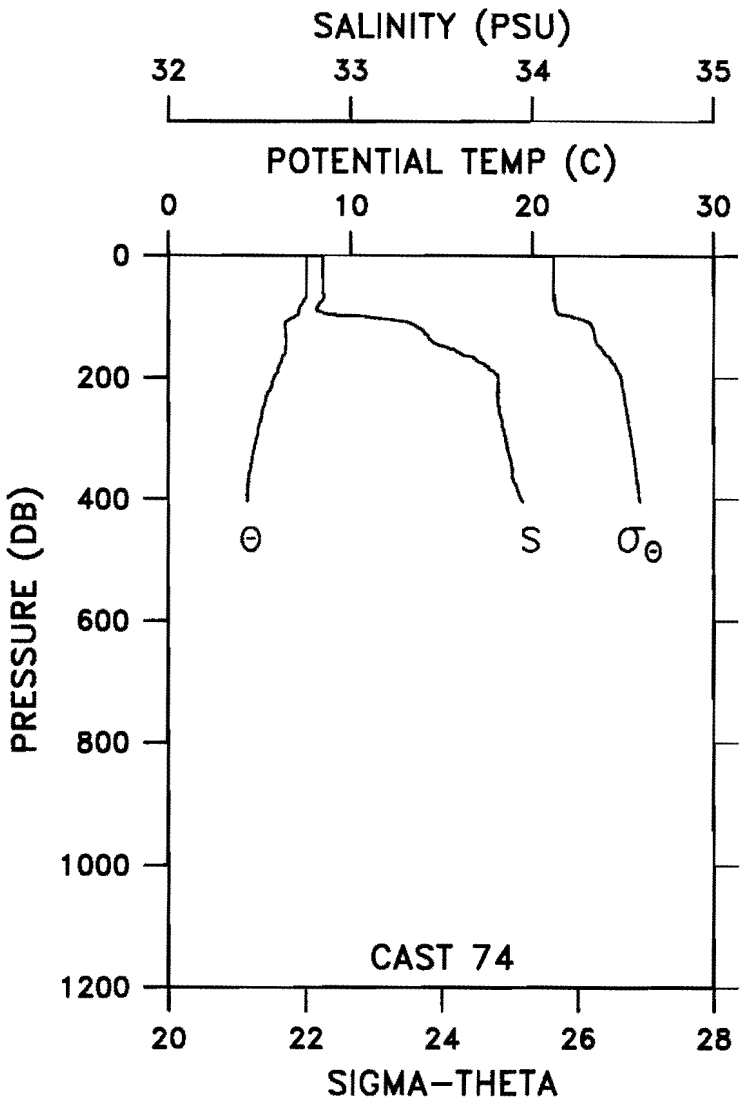
CAST CG2-91-DI -073 DATE 26 MAR 91 TIME 1006 GMT
LAT 46 20.2N LONG 151 59.3W WEATHER 2 SEA STATE 4
BAROMETER 24 WIND DIR 145 T SPD 22 KT VISIBILITY 8
CLOUD 7 AMOUNT 8 DRY 08.1 WET 07.2 DEPTH 5402 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.858	32.851	25.607	0.000
10	7.855	32.851	25.607	0.024
20	7.855	32.851	25.608	0.047
30	7.852	32.851	25.608	0.071
40	7.852	32.851	25.608	0.095
50	7.853	32.851	25.608	0.119
60	7.724	32.849	25.625	0.142
70	7.704	32.853	25.631	0.166
80	7.654	32.857	25.641	0.190
90	7.635	32.857	25.643	0.213
100	7.573	32.857	25.652	0.237
110	7.513	32.874	25.674	0.260
120	7.136	32.985	25.813	0.282
130	6.420	33.216	26.090	0.303
140	6.299	33.305	26.176	0.322
150	6.317	33.364	26.220	0.340
160	6.320	33.445	26.284	0.358
170	6.311	33.511	26.337	0.375
180	6.490	33.673	26.442	0.392
190	6.293	33.747	26.526	0.407
200	5.927	33.741	26.567	0.422
250	5.301	33.808	26.695	0.493
300	4.865	33.830	26.763	0.560
350	4.551	33.880	26.837	0.623
400	4.370	33.928	26.895	0.684
450	4.281	33.989	26.953	0.742
500	4.150	34.046	27.012	0.798
550	4.029	34.096	27.064	0.851
600	3.901	34.135	27.108	0.902
650	3.777	34.170	27.149	0.951
700	3.626	34.205	27.192	0.998
750	3.499	34.236	27.229	1.043
800	3.379	34.264	27.263	1.087
900	3.166	34.310	27.319	1.171
1000	2.977	34.349	27.368	1.250
1500	2.275	34.498	27.547	1.593
2000	1.833	34.583	27.651	1.876
2500	1.561	34.628	27.707	2.127
3000	1.371	34.654	27.742	2.361
3500	1.242	34.671	27.765	2.588
4000	1.163	34.681	27.778	2.812
4500	1.133	34.684	27.783	3.041
5000	1.122	34.687	27.785	3.279
5458	1.120	34.687	27.786	3.507

CAST CG2-91-DI -074 DATE 26 MAR 91 TIME 1621 GMT

LAT 47 00.3N LONG 151 59.9W



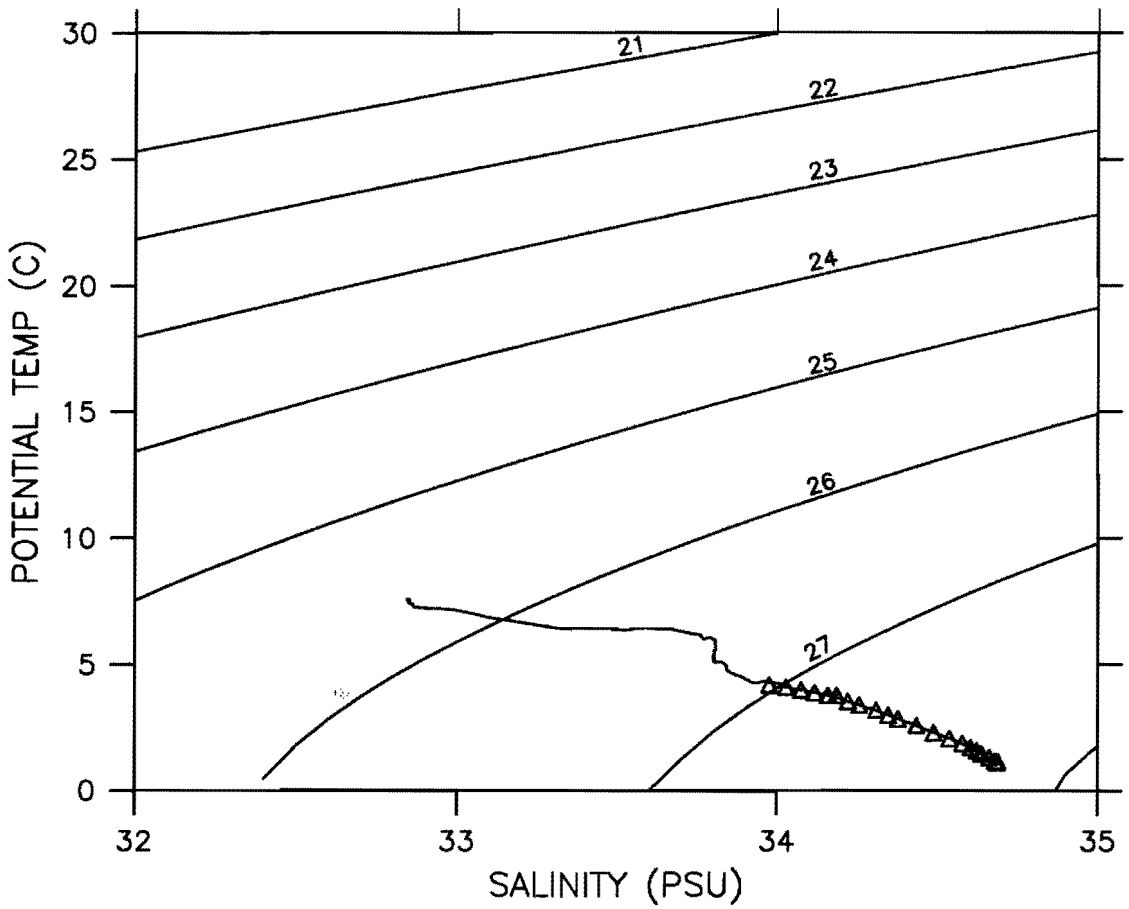


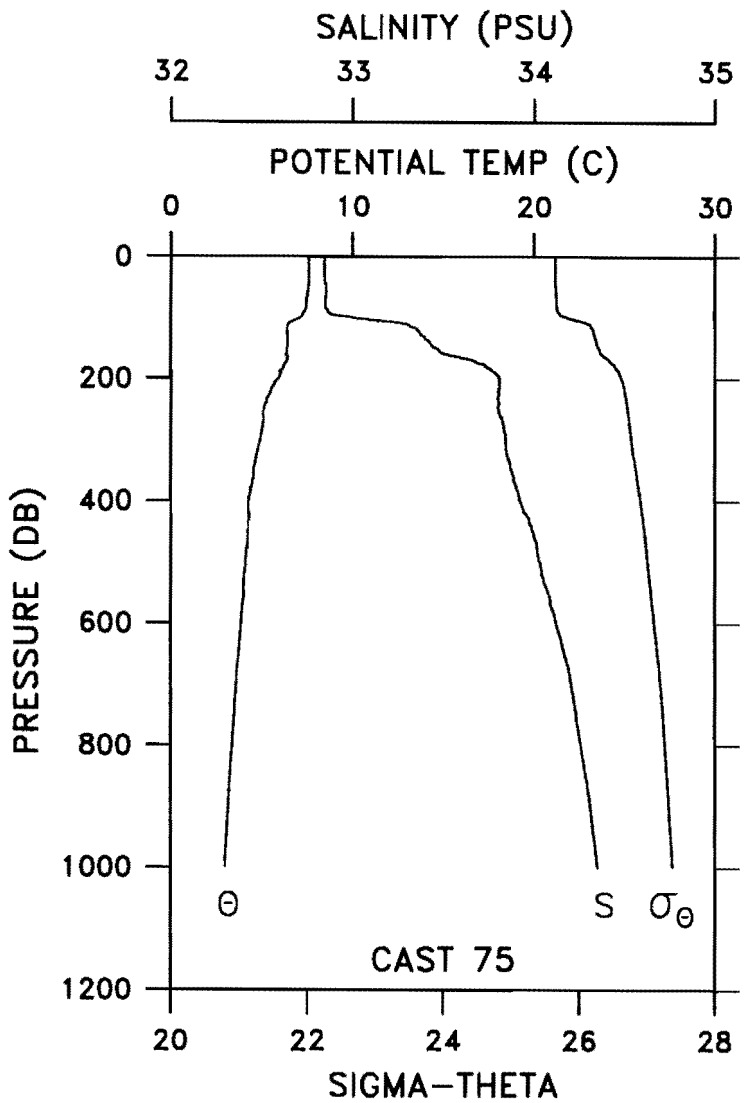
CAST CG2-91-DI -074 DATE 26 MAR 91 TIME 1621 GMT
LAT 47 00.3N LONG 151 59.9W WEATHER 2 SEA STATE 5
BAROMETER 19 WIND DIR 155 T SPD 24 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 08.7 WET 07.5 DEPTH 5167 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.570	32.846	25.644	0.000
10	7.567	32.847	25.645	0.023
20	7.563	32.846	25.645	0.047
30	7.564	32.847	25.646	0.070
40	7.569	32.848	25.646	0.093
50	7.570	32.848	25.646	0.117
60	7.565	32.847	25.646	0.140
70	7.506	32.851	25.657	0.164
80	7.296	32.823	25.664	0.187
90	7.130	32.812	25.678	0.210
100	6.929	33.092	25.926	0.233
110	6.421	33.329	26.179	0.252
120	6.418	33.389	26.227	0.270
130	6.452	33.423	26.249	0.288
140	6.459	33.449	26.269	0.306
150	6.440	33.531	26.337	0.323
160	6.403	33.607	26.401	0.340
170	6.230	33.690	26.489	0.356
180	6.092	33.746	26.550	0.371
190	6.005	33.788	26.594	0.386
200	5.815	33.811	26.637	0.400
250	5.190	33.816	26.715	0.469
300	4.822	33.856	26.788	0.535
350	4.519	33.890	26.849	0.598
400	4.343	33.938	26.906	0.658
405	4.321	33.947	26.915	0.664

CAST CG2-91-DI -075 DATE 27 MAR 91 TIME 0739 GMT

LAT 47 00.0N LONG 152 00.0W



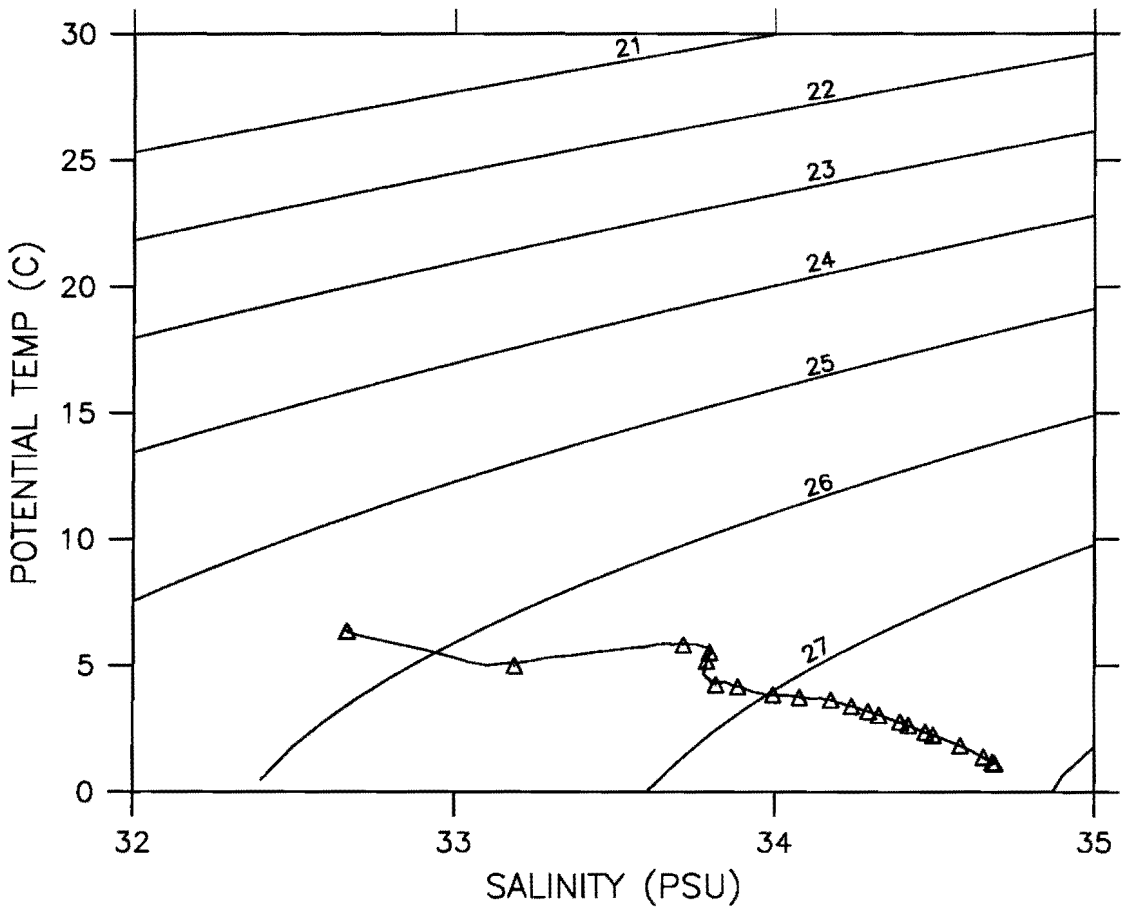


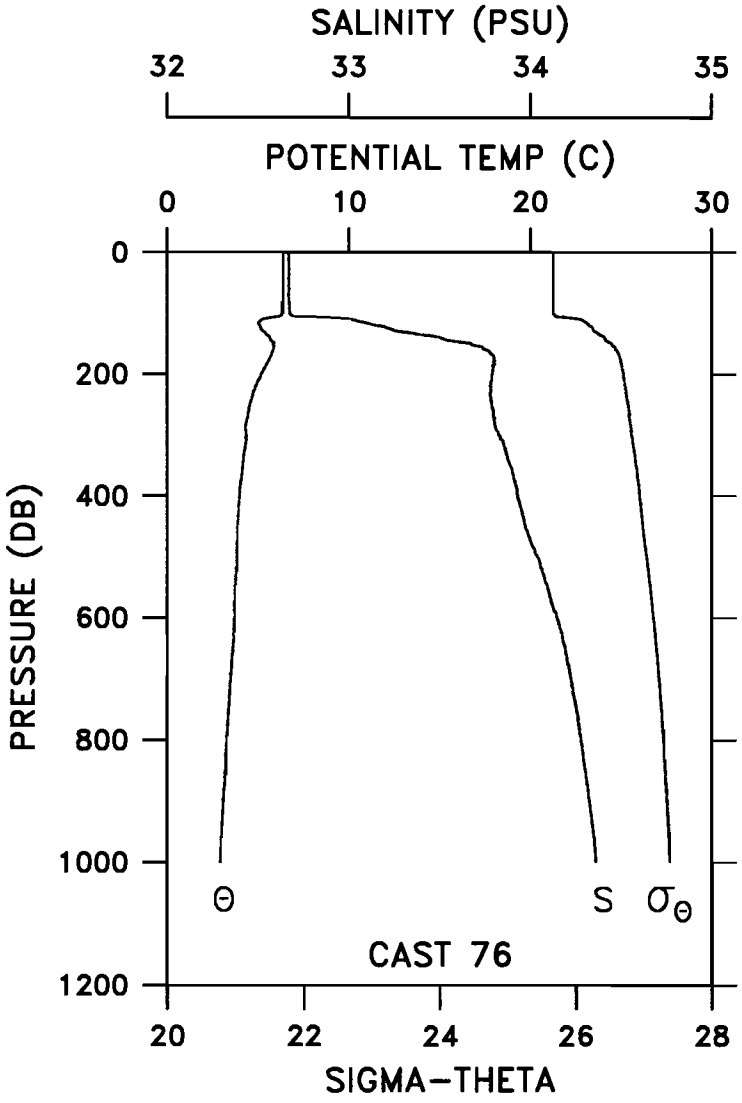
CAST CG2-91-DI -075 DATE 27 MAR 91 TIME 0739 GMT
LAT 47 00.0N LONG 152 00.0W WEATHER 2 SEA STATE 4
BAROMETER 20 WIND DIR 270 T SPD 15 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 07.2 WET 06.6 DEPTH 5167 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	7.577	32.844	25.642	0.000
10	7.579	32.844	25.641	0.023
20	7.567	32.844	25.643	0.047
30	7.567	32.844	25.643	0.070
40	7.565	32.845	25.644	0.094
50	7.547	32.853	25.653	0.117
60	7.503	32.851	25.658	0.140
70	7.455	32.848	25.662	0.164
80	7.441	32.847	25.663	0.187
90	7.358	32.863	25.687	0.210
100	7.129	33.000	25.826	0.233
110	6.475	33.286	26.138	0.253
120	6.397	33.357	26.205	0.271
130	6.417	33.390	26.228	0.289
140	6.424	33.423	26.253	0.307
150	6.396	33.459	26.285	0.325
160	6.356	33.518	26.337	0.342
170	6.383	33.661	26.446	0.359
180	6.212	33.733	26.525	0.374
190	6.027	33.781	26.586	0.389
200	5.923	33.809	26.621	0.404
250	5.107	33.803	26.714	0.473
300	4.917	33.844	26.768	0.539
350	4.555	33.875	26.833	0.603
400	4.275	33.925	26.902	0.663
450	4.248	33.997	26.962	0.721
500	4.103	34.033	27.007	0.777
550	4.005	34.080	27.054	0.830
600	3.864	34.123	27.103	0.881
650	3.739	34.168	27.151	0.930
700	3.582	34.207	27.198	0.977
750	3.483	34.235	27.229	1.022
800	3.377	34.260	27.259	1.066
900	3.160	34.311	27.320	1.150
1000	2.967	34.352	27.371	1.229
1500	2.259	34.499	27.550	1.569
2000	1.832	34.584	27.651	1.852
2500	1.565	34.627	27.706	2.104
3000	1.370	34.655	27.743	2.338
3500	1.242	34.672	27.765	2.565
4000	1.170	34.681	27.777	2.790
4500	1.140	34.685	27.783	3.019
5000	1.125	34.687	27.785	3.258
5234	1.123	34.687	27.785	3.373

CAST CG2-91-DI -076 DATE 27 MAR 91 TIME 1545 GMT

LAT 47 39.9N LONG 152 00.4W



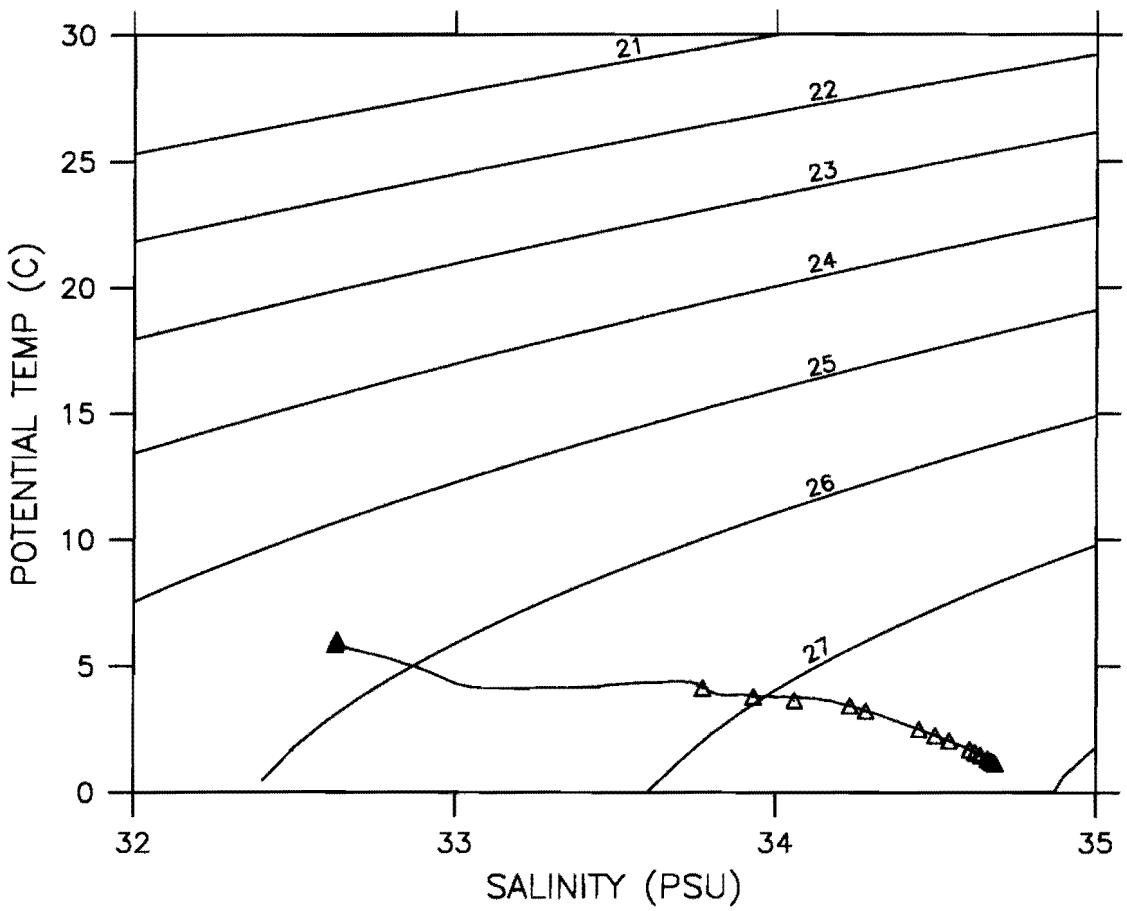


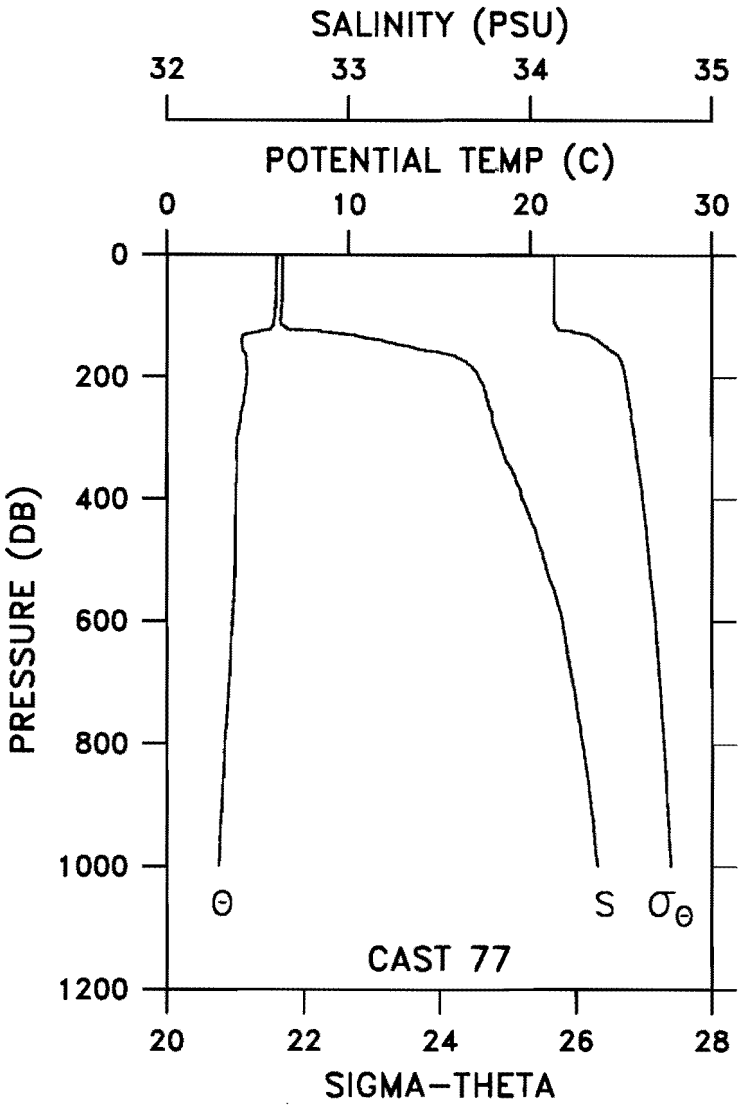
CAST CG2-91-DI -076 DATE 27 MAR 91 TIME 1545 GMT
LAT 47 39.9N LONG 152 00.4W WEATHER 5 SEA STATE 7
BAROMETER 34 WIND DIR 551 T SPD 77 KT VISIBILITY 2
CLOUD 8 AMOUNT 2 DRY 06.4 WET 0502 DEPTH 5116 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	6.371	32.668	25.664	0.000
10	6.370	32.668	25.664	0.023
20	6.373	32.667	25.663	0.046
30	6.370	32.668	25.665	0.070
40	6.369	32.668	25.664	0.093
50	6.368	32.668	25.664	0.116
60	6.344	32.670	25.669	0.139
70	6.326	32.668	25.670	0.162
80	6.314	32.668	25.672	0.186
90	6.306	32.671	25.674	0.209
100	6.304	32.673	25.676	0.232
110	5.231	33.020	26.080	0.254
120	5.090	33.159	26.206	0.272
130	5.315	33.298	26.290	0.290
140	5.630	33.505	26.417	0.307
150	5.856	33.674	26.523	0.323
160	5.826	33.756	26.592	0.337
170	5.692	33.797	26.640	0.352
180	5.543	33.795	26.657	0.366
190	5.352	33.791	26.676	0.380
200	5.155	33.787	26.696	0.393
250	4.537	33.786	26.765	0.460
300	4.346	33.825	26.816	0.523
350	4.168	33.886	26.883	0.584
400	3.976	33.928	26.936	0.643
450	3.866	33.971	26.982	0.699
500	3.824	34.039	27.039	0.753
550	3.730	34.093	27.092	0.804
600	3.700	34.145	27.136	0.854
650	3.596	34.190	27.182	0.901
700	3.467	34.222	27.220	0.947
750	3.360	34.253	27.255	0.991
800	3.257	34.277	27.285	1.033
900	3.063	34.324	27.340	1.115
1000	2.898	34.360	27.383	1.192
1500	2.249	34.497	27.549	1.530
2000	1.840	34.579	27.647	1.814
2500	1.568	34.624	27.704	2.066
3000	1.366	34.653	27.742	2.301
3500	1.241	34.669	27.763	2.527
4000	1.168	34.679	27.776	2.753
4500	1.139	34.683	27.781	2.983
5000	1.128	34.684	27.783	3.222
5150	1.127	34.685	27.784	3.296

CAST CG2-91-DI -077 DATE 27 MAR 91 TIME 2320 GMT

LAT 48 19.5N LONG 152 00.3W



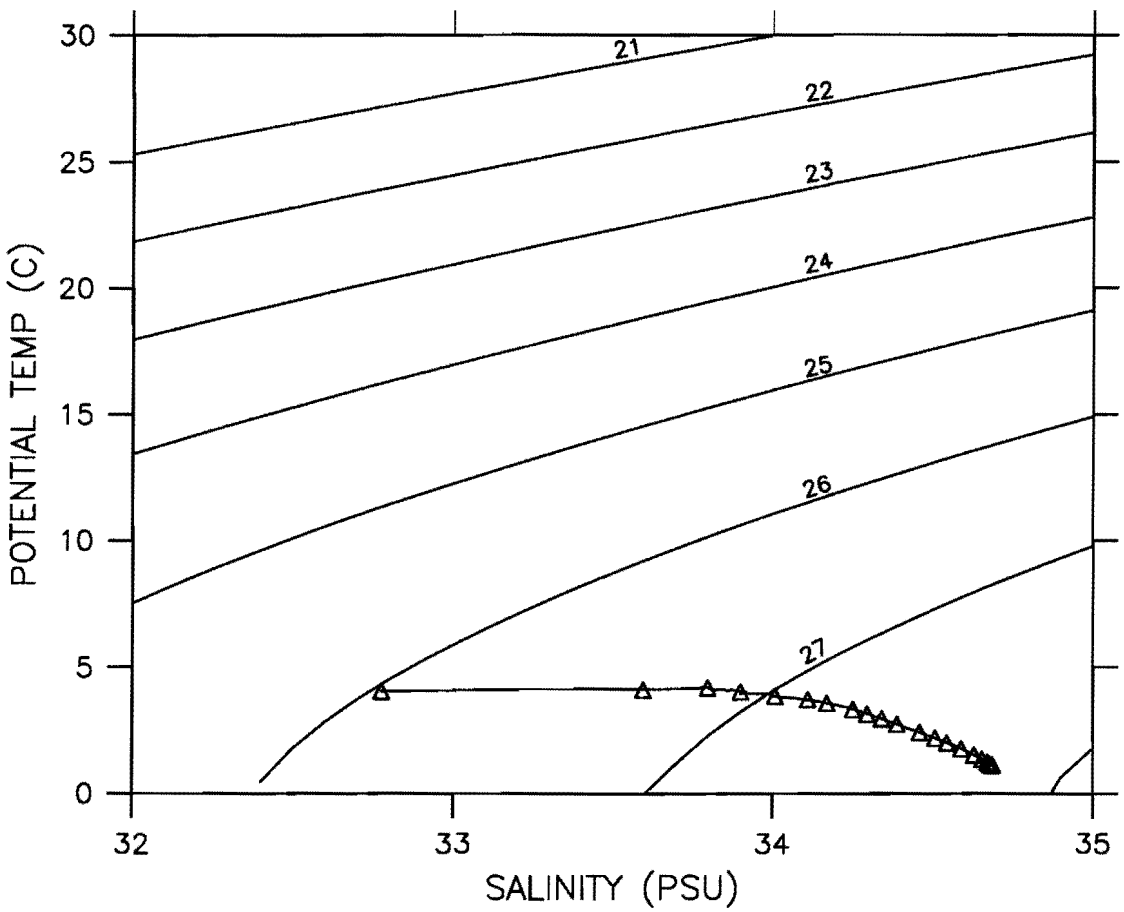


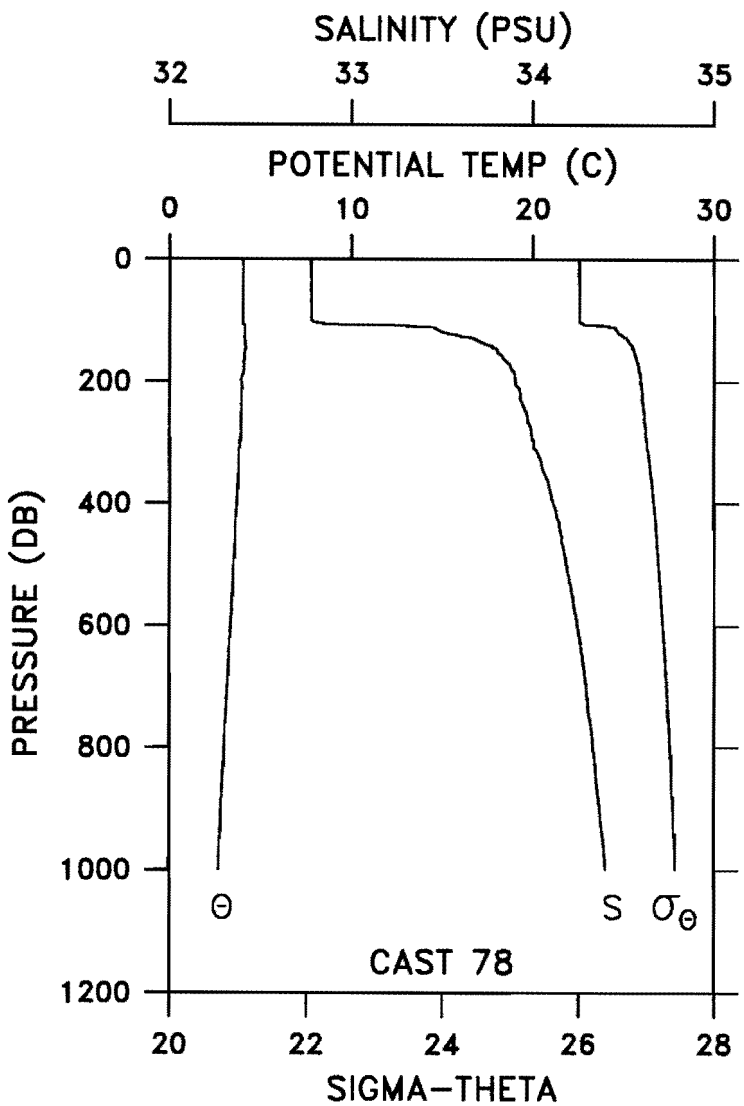
CAST CG2-91-DI -077 DATE 27 MAR 91 TIME 2320 GMT
LAT 48 19.5N LONG 152 00.3W WEATHER 2 SEA STATE 6
BAROMETER 19 WIND DIR 210 T SPD 25 KT VISIBILITY 0
CLOUD 7 AMOUNT 8 DRY 07.0 WET 05.4 DEPTH 5043 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	6.035	32.634	25.680	0.000
10	6.030	32.634	25.680	0.023
20	6.020	32.634	25.681	0.046
30	6.016	32.634	25.681	0.069
40	5.998	32.634	25.684	0.092
50	5.995	32.634	25.684	0.115
60	5.977	32.632	25.685	0.138
70	5.973	32.631	25.684	0.161
80	5.942	32.629	25.687	0.184
90	5.921	32.627	25.688	0.207
100	5.901	32.625	25.688	0.230
110	5.842	32.622	25.693	0.253
120	5.695	32.664	25.744	0.276
130	4.395	32.985	26.143	0.297
140	4.107	33.185	26.332	0.315
150	4.132	33.332	26.446	0.332
160	4.270	33.500	26.565	0.347
170	4.339	33.614	26.649	0.361
180	4.368	33.660	26.682	0.375
190	4.398	33.699	26.710	0.389
200	4.379	33.714	26.724	0.402
250	4.143	33.773	26.795	0.467
300	3.867	33.822	26.862	0.528
350	3.859	33.892	26.919	0.587
400	3.778	33.952	26.975	0.644
450	3.770	34.026	27.035	0.698
500	3.746	34.075	27.076	0.749
550	3.692	34.133	27.127	0.799
600	3.602	34.176	27.171	0.847
650	3.507	34.202	27.201	0.893
700	3.425	34.232	27.232	0.938
750	3.321	34.259	27.264	0.982
800	3.196	34.286	27.297	1.024
900	3.018	34.333	27.351	1.104
1000	2.834	34.371	27.398	1.180
1500	2.256	34.497	27.548	1.513
2000	1.852	34.579	27.646	1.797
2500	1.580	34.624	27.702	2.051
3000	1.380	34.652	27.740	2.287
3500	1.242	34.670	27.764	2.514
4000	1.165	34.680	27.777	2.739
4500	1.142	34.684	27.782	2.969
5000	1.129	34.686	27.784	3.208
5114	1.129	34.685	27.784	3.264

CAST CG2-91-DI -078 DATE 30 MAR 91 TIME 0137 GMT

LAT 53 29.7N LONG 152 00.7W



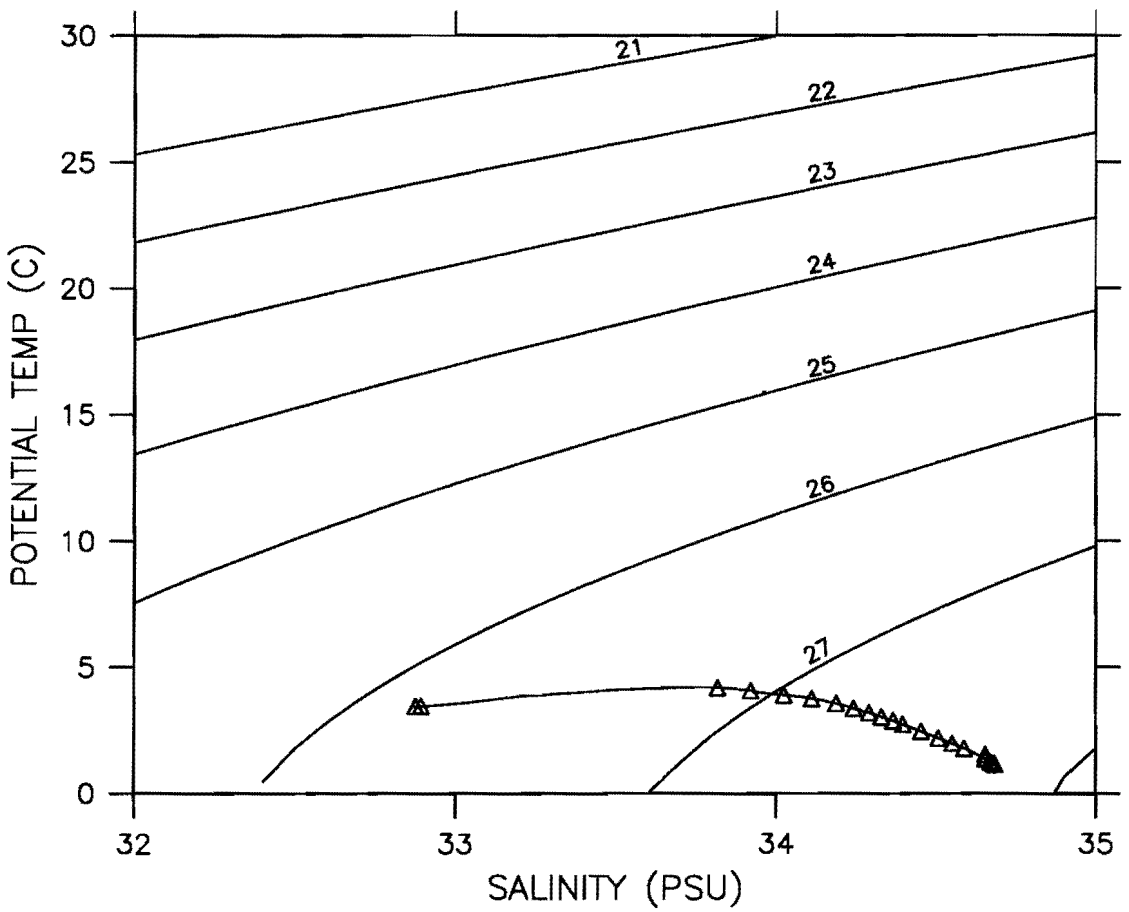


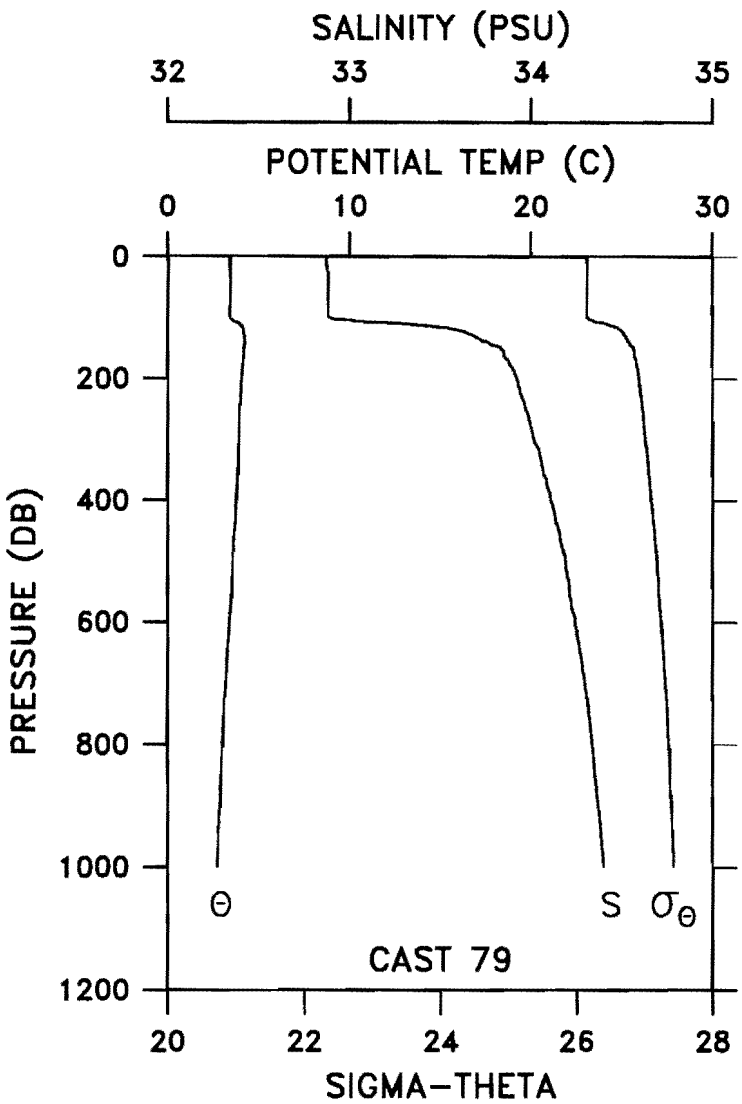
CAST CG2-91-DI -078 DATE 30 MAR 91 TIME 0137 GMT
LAT 53 29.7N LONG 152 00.7W WEATHER 1 SEA STATE 6
BAROMETER 05 WIND DIR 270 T SPD 15 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 00.7 WET 00.0 DEPTH 4704 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	4.044	32.777	26.014	0.000
10	4.051	32.776	26.012	0.020
20	4.052	32.777	26.013	0.040
30	4.047	32.778	26.014	0.060
40	4.042	32.778	26.015	0.079
50	4.037	32.778	26.015	0.099
60	4.037	32.778	26.015	0.119
70	4.025	32.778	26.017	0.139
80	4.027	32.778	26.016	0.159
90	4.025	32.779	26.017	0.179
100	4.032	32.782	26.019	0.199
110	4.115	33.339	26.454	0.217
120	4.125	33.519	26.596	0.232
130	4.130	33.683	26.725	0.246
140	4.146	33.757	26.782	0.259
150	4.133	33.805	26.822	0.271
160	4.113	33.831	26.845	0.284
170	4.083	33.868	26.877	0.295
180	4.082	33.884	26.890	0.307
190	3.995	33.900	26.912	0.319
200	3.947	33.904	26.919	0.330
250	3.934	33.966	26.971	0.386
300	3.860	34.005	27.009	0.441
350	3.770	34.061	27.063	0.493
400	3.688	34.114	27.113	0.542
450	3.607	34.155	27.153	0.590
500	3.532	34.184	27.184	0.637
550	3.446	34.217	27.219	0.682
600	3.352	34.245	27.250	0.725
650	3.256	34.273	27.281	0.767
700	3.168	34.294	27.306	0.809
750	3.095	34.308	27.324	0.849
800	3.004	34.331	27.351	0.888
900	2.830	34.368	27.396	0.963
1000	2.690	34.399	27.433	1.035
1500	2.146	34.517	27.573	1.354
2000	1.761	34.593	27.664	1.627
2500	1.529	34.631	27.712	1.872
3000	1.361	34.655	27.743	2.105
3500	1.237	34.670	27.764	2.332
4000	1.176	34.680	27.776	2.557
4500	1.132	34.684	27.783	2.787
4755	1.121	34.685	27.784	2.907

CAST CG2-91-DI -079 DATE 30 MAR 91 TIME 1117 GMT

LAT 54 39.8N LONG 151 59.8W



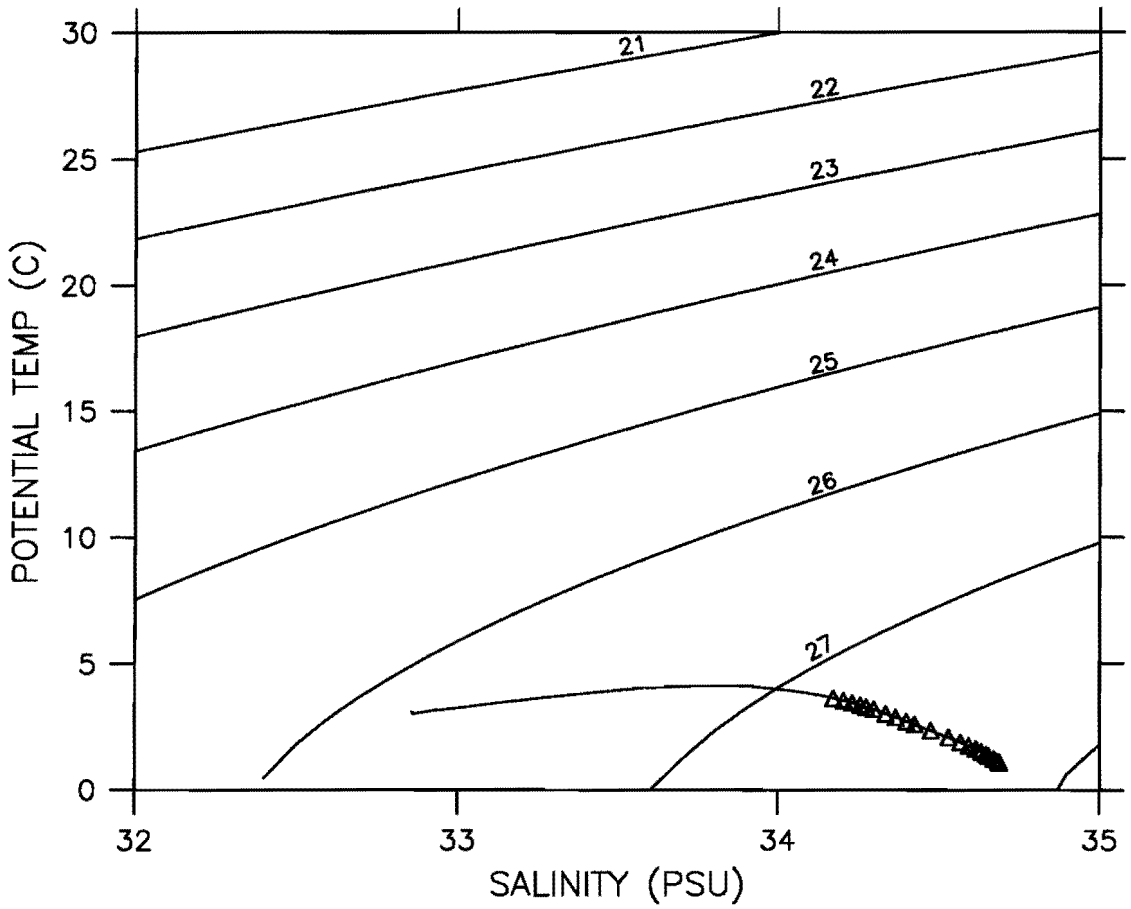


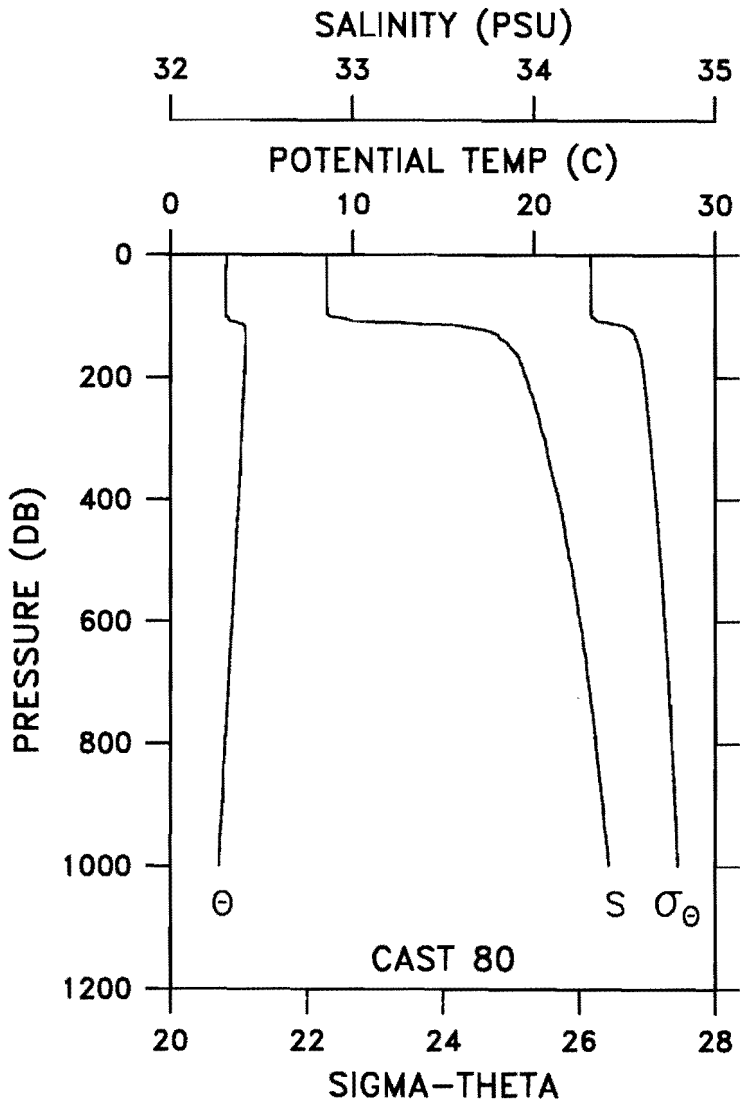
CAST CG2-91-DI -079 DATE 30 MAR 91 TIME 1117 GMT
LAT 54 39.8N LONG 151 59.8W WEATHER 1 SEA STATE 6
BAROMETER 05 WIND DIR 295 T SPD 22 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 00.9 WET 00.0 DEPTH 4291 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.415	32.874	26.151	0.000
10	3.414	32.874	26.151	0.019
20	3.426	32.877	26.153	0.037
30	3.430	32.880	26.154	0.056
40	3.431	32.881	26.155	0.074
50	3.432	32.882	26.156	0.093
60	3.431	32.882	26.156	0.111
70	3.431	32.881	26.155	0.130
80	3.424	32.882	26.157	0.148
90	3.421	32.883	26.157	0.167
100	3.429	32.890	26.163	0.185
110	3.930	33.306	26.446	0.203
120	4.152	33.596	26.654	0.218
130	4.188	33.690	26.725	0.231
140	4.209	33.758	26.777	0.244
150	4.182	33.832	26.838	0.256
160	4.163	33.850	26.855	0.269
170	4.123	33.875	26.879	0.280
180	4.098	33.891	26.894	0.292
190	4.076	33.908	26.910	0.304
200	4.060	33.921	26.922	0.315
250	3.960	33.971	26.972	0.371
300	3.907	34.016	27.013	0.425
350	3.837	34.066	27.060	0.477
400	3.760	34.107	27.100	0.527
450	3.653	34.154	27.148	0.575
500	3.560	34.189	27.185	0.622
550	3.492	34.210	27.209	0.667
600	3.365	34.244	27.248	0.711
650	3.268	34.269	27.277	0.754
700	3.170	34.296	27.308	0.795
750	3.071	34.318	27.334	0.834
800	3.002	34.335	27.354	0.873
900	2.856	34.369	27.394	0.949
1000	2.707	34.400	27.432	1.020
1500	2.138	34.518	27.574	1.339
2000	1.785	34.587	27.657	1.613
2500	1.532	34.630	27.711	1.860
3000	1.373	34.652	27.740	2.094
3500	1.255	34.669	27.762	2.322
4000	1.190	34.678	27.774	2.549
4346	1.146	34.683	27.781	2.709

CAST CG2-91-DI -080 DATE 31 MAR 91 TIME 0757 GMT

LAT 55 26.7N LONG 152 37.7W



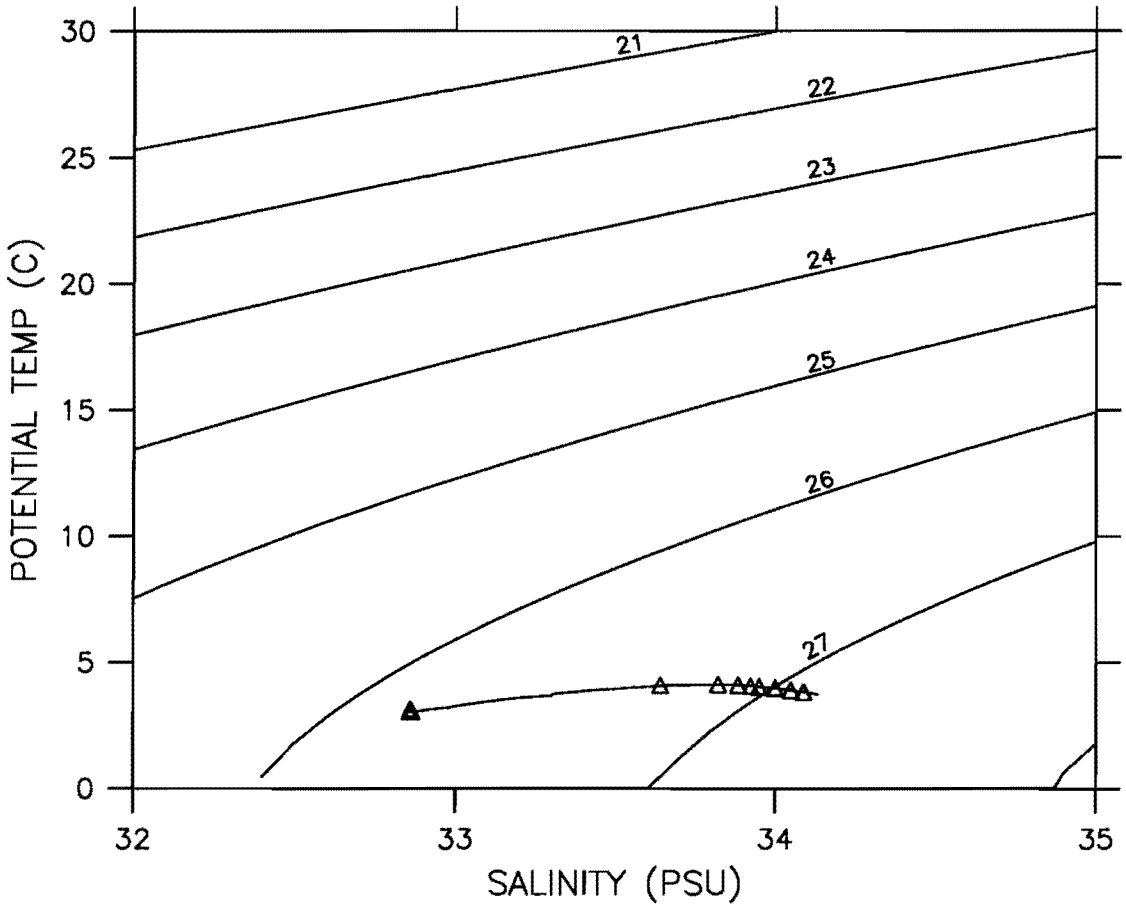


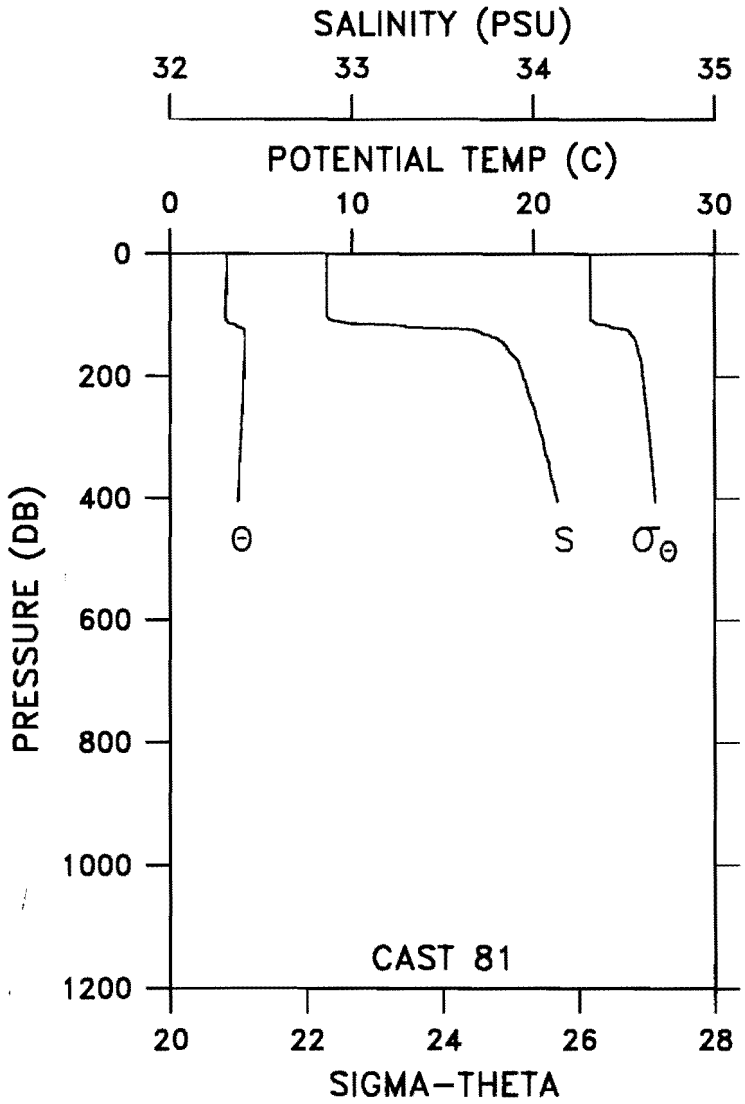
CAST CG2-91-DI -080 DATE 31 MAR 91 TIME 0757 GMT
LAT 55 26.7N LONG 152 37.7W WEATHER 2 SEA STATE 1
BAROMETER 11 WIND DIR 050 T SPD 04 KT VISIBILITY 8
CLOUD 0 AMOUNT 6 DRY 02.3 WET 01.0 DEPTH 5158 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.072	32.859	26.170	0.000
10	3.075	32.859	26.170	0.018
20	3.066	32.859	26.171	0.037
30	3.029	32.860	26.174	0.055
40	3.014	32.860	26.176	0.073
50	3.011	32.860	26.176	0.092
60	3.009	32.860	26.176	0.110
70	3.008	32.859	26.176	0.128
80	3.009	32.861	26.177	0.147
90	3.013	32.863	26.178	0.165
100	3.036	32.873	26.185	0.183
110	3.643	33.261	26.438	0.201
120	4.090	33.688	26.733	0.215
130	4.119	33.802	26.821	0.228
140	4.118	33.838	26.850	0.240
150	4.111	33.869	26.875	0.252
160	4.093	33.901	26.902	0.264
170	4.077	33.920	26.919	0.275
180	4.061	33.932	26.930	0.286
190	4.046	33.943	26.941	0.298
200	4.028	33.958	26.955	0.309
250	3.960	34.010	27.003	0.363
300	3.885	34.060	27.050	0.416
350	3.825	34.093	27.082	0.466
400	3.733	34.135	27.125	0.515
450	3.629	34.171	27.164	0.563
500	3.547	34.200	27.195	0.609
550	3.456	34.227	27.226	0.653
600	3.364	34.254	27.256	0.696
650	3.263	34.279	27.286	0.738
700	3.170	34.301	27.312	0.779
750	3.067	34.325	27.340	0.819
800	2.977	34.342	27.362	0.857
900	2.808	34.382	27.409	0.932
1000	2.646	34.414	27.449	1.002
1500	2.076	34.530	27.589	1.313
2000	1.717	34.599	27.672	1.579
2500	1.495	34.635	27.718	1.820
3000	1.336	34.659	27.748	2.050
3500	1.224	34.672	27.767	2.274
4000	1.156	34.681	27.778	2.497
4500	1.108	34.685	27.785	2.725
5000	1.075	34.689	27.790	2.959
5246	1.066	34.689	27.791	3.078

CAST CG2-91-DI -081 DATE 31 MAR 91 TIME 1143 GMT

LAT 55 27.3N LONG 152 33.5W



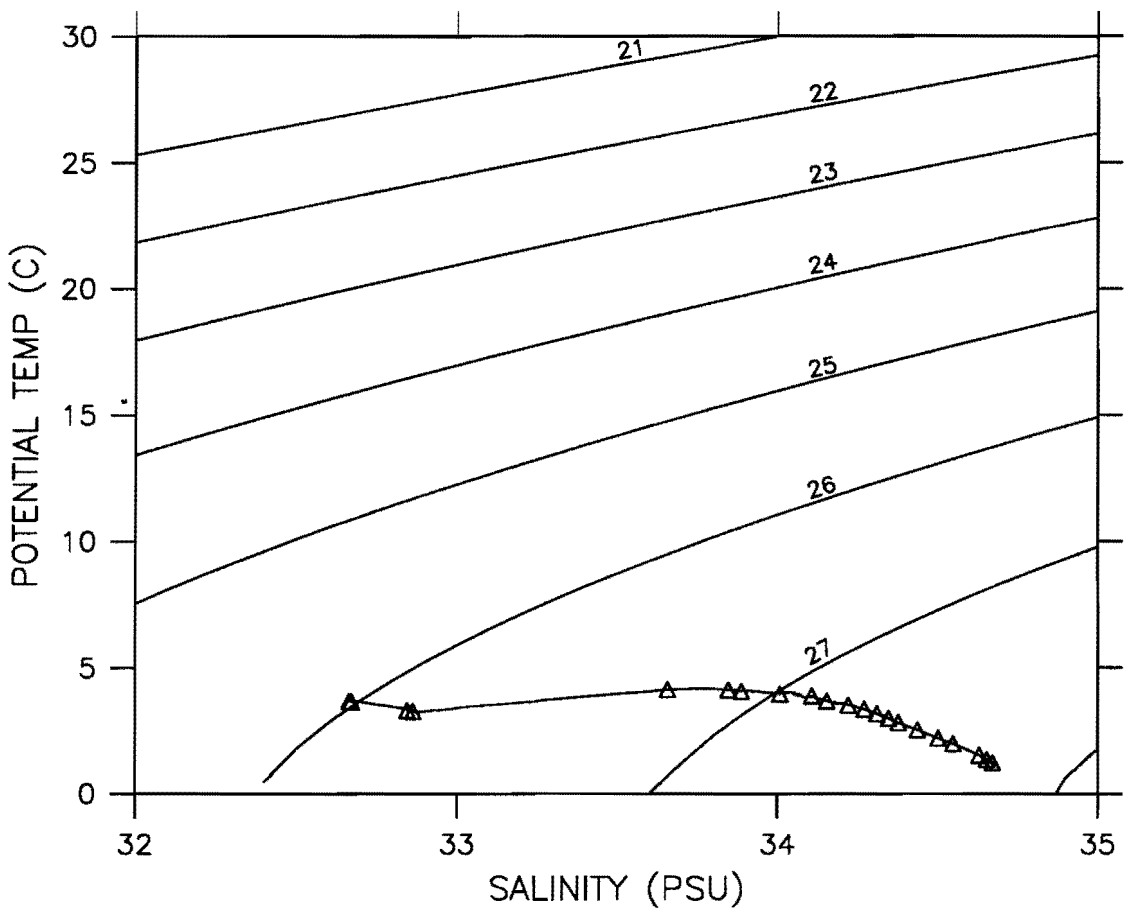


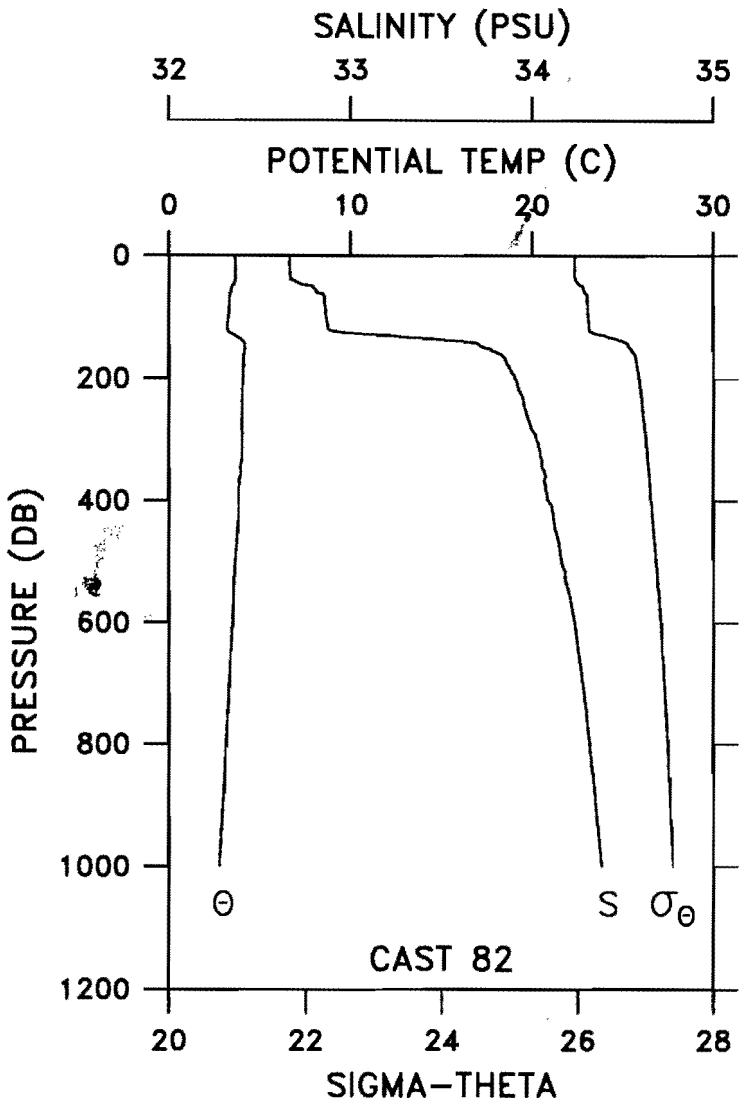
CAST CG2-91-DI -081 DATE 31 MAR 91 TIME 1143 GMT
LAT 55 27.3N LONG 152 33.5W WEATHER 1 SEA STATE 1
BAROMETER 09 WIND DIR 120 T SPD 05 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 01.6 WET 00.5 DEPTH 5159 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.134	32.864	26.169	0.000
10	3.142	32.862	26.166	0.018
20	3.147	32.863	26.167	0.037
30	3.144	32.863	26.167	0.055
40	3.106	32.863	26.170	0.074
50	3.089	32.863	26.171	0.092
60	3.067	32.863	26.174	0.110
70	3.056	32.862	26.174	0.129
80	3.045	32.862	26.175	0.147
90	3.031	32.862	26.176	0.165
100	3.025	32.863	26.177	0.184
110	3.132	32.923	26.216	0.202
120	3.743	33.306	26.464	0.219
130	4.100	33.721	26.759	0.232
140	4.119	33.807	26.825	0.245
150	4.116	33.847	26.857	0.257
160	4.112	33.865	26.872	0.269
170	4.092	33.904	26.905	0.281
180	4.075	33.922	26.921	0.292
190	4.054	33.933	26.932	0.303
200	4.044	33.943	26.941	0.315
250	3.972	34.002	26.995	0.370
300	3.896	34.049	27.041	0.422
350	3.819	34.089	27.080	0.473
400	3.733	34.129	27.120	0.523
406	3.726	34.132	27.124	0.529

CAST CG2-91-DI -082 DATE 31 MAR 91 TIME 1715 GMT

LAT 55 51.9N LONG 152 55.7W



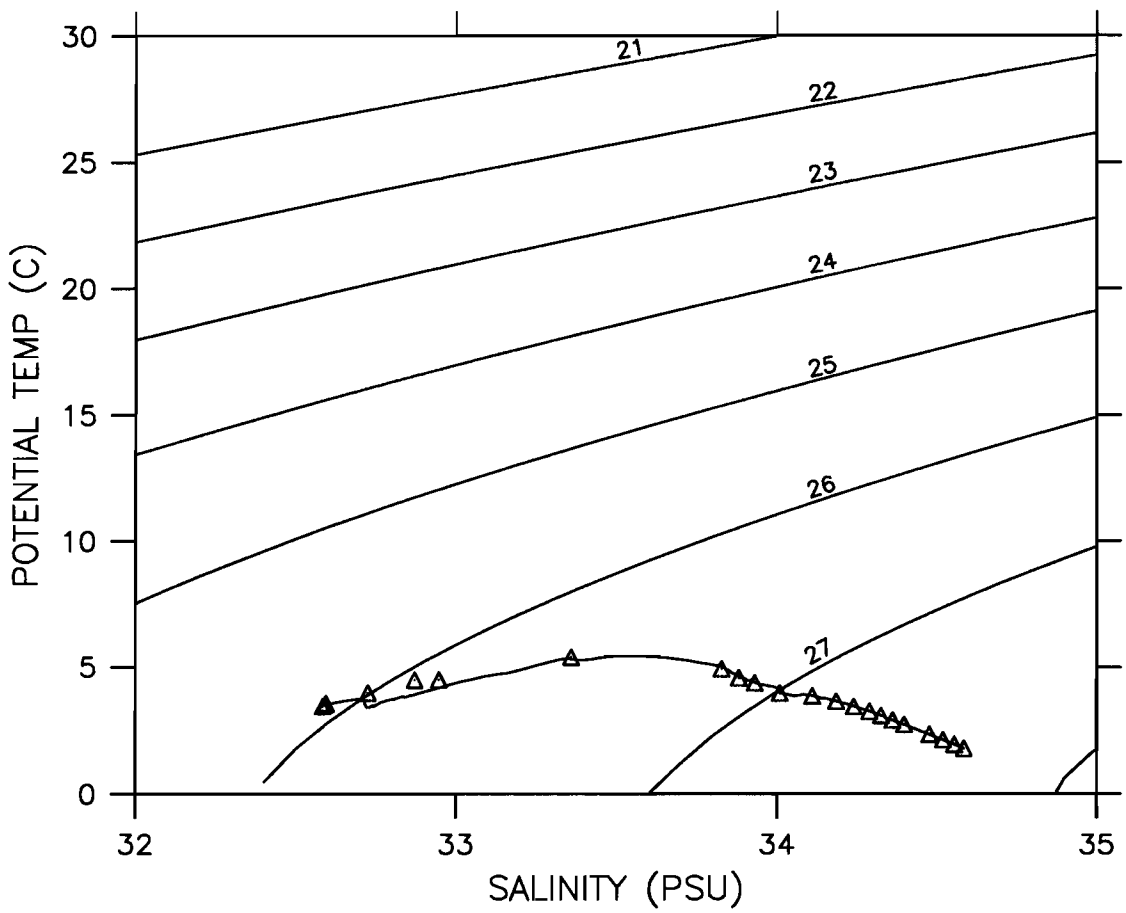


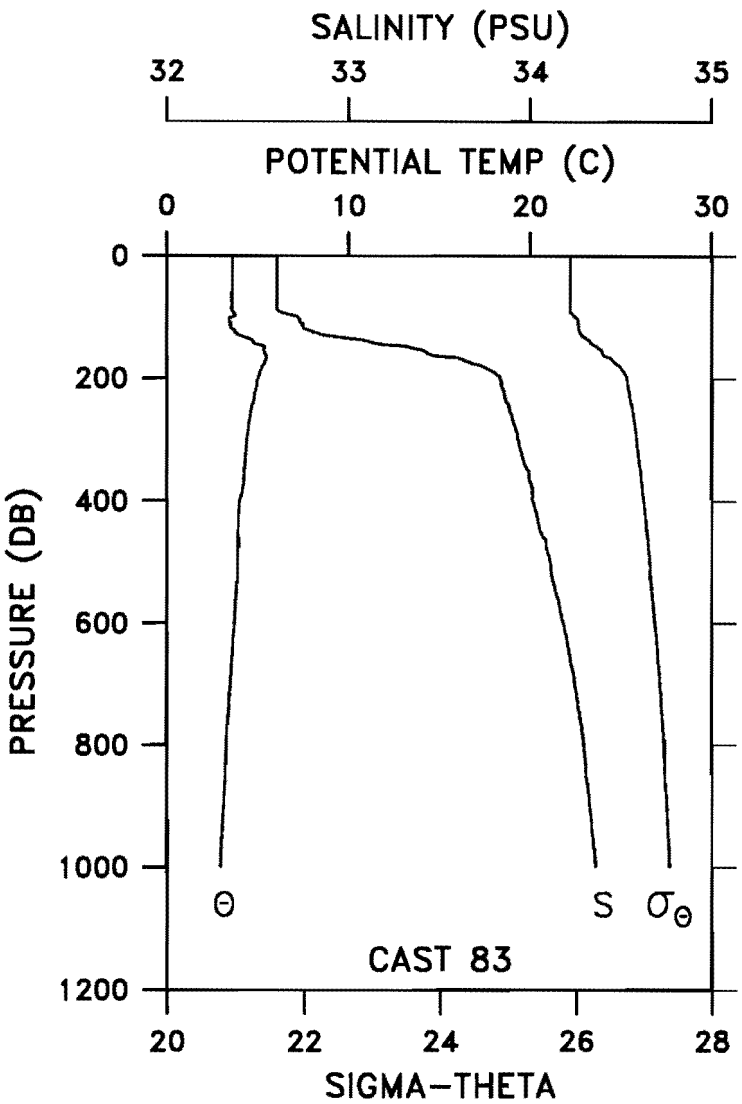
CAST CG2-91-DI -082 DATE 31 MAR 91 TIME 1715 GMT
LAT 55 51.9N LONG 152 55.7W WEATHER 8 SEA STATE 3
BAROMETER 05 WIND DIR 135 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 01.9 WET 00.9 DEPTH 4051 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.661	32.664	25.961	0.000
10	3.666	32.663	25.959	0.020
20	3.664	32.664	25.961	0.041
30	3.669	32.666	25.962	0.061
40	3.658	32.681	25.975	0.081
50	3.468	32.792	26.081	0.101
60	3.424	32.814	26.103	0.120
70	3.339	32.853	26.142	0.139
80	3.331	32.856	26.144	0.158
90	3.315	32.860	26.149	0.176
100	3.279	32.863	26.155	0.195
110	3.235	32.870	26.164	0.214
120	3.232	32.874	26.167	0.232
130	3.643	33.223	26.408	0.250
140	4.092	33.619	26.679	0.265
150	4.176	33.735	26.762	0.278
160	4.148	33.823	26.835	0.290
170	4.114	33.854	26.863	0.302
180	4.113	33.870	26.876	0.314
190	4.086	33.887	26.892	0.326
200	4.084	33.906	26.908	0.338
250	4.026	33.961	26.957	0.394
300	4.015	34.024	27.008	0.449
350	3.957	34.066	27.048	0.501
400	3.815	34.086	27.078	0.552
450	3.761	34.132	27.120	0.602
500	3.650	34.163	27.156	0.650
550	3.575	34.202	27.194	0.696
600	3.499	34.233	27.227	0.741
650	3.411	34.254	27.252	0.784
700	3.321	34.278	27.279	0.827
750	3.238	34.298	27.303	0.868
800	3.140	34.317	27.327	0.909
900	2.977	34.350	27.368	0.987
1000	2.796	34.383	27.411	1.061
1500	2.154	34.514	27.570	1.387
2000	1.769	34.589	27.660	1.659
2500	1.525	34.630	27.711	1.906
3000	1.354	34.655	27.744	2.138
3500	1.229	34.671	27.765	2.364
4000	1.155	34.681	27.779	2.587
4078	1.152	34.681	27.779	2.623

CAST CG2-91-DI -083 DATE 31 MAR 91 TIME 2122 GMT

LAT 56 01.6N LONG 153 02.7W



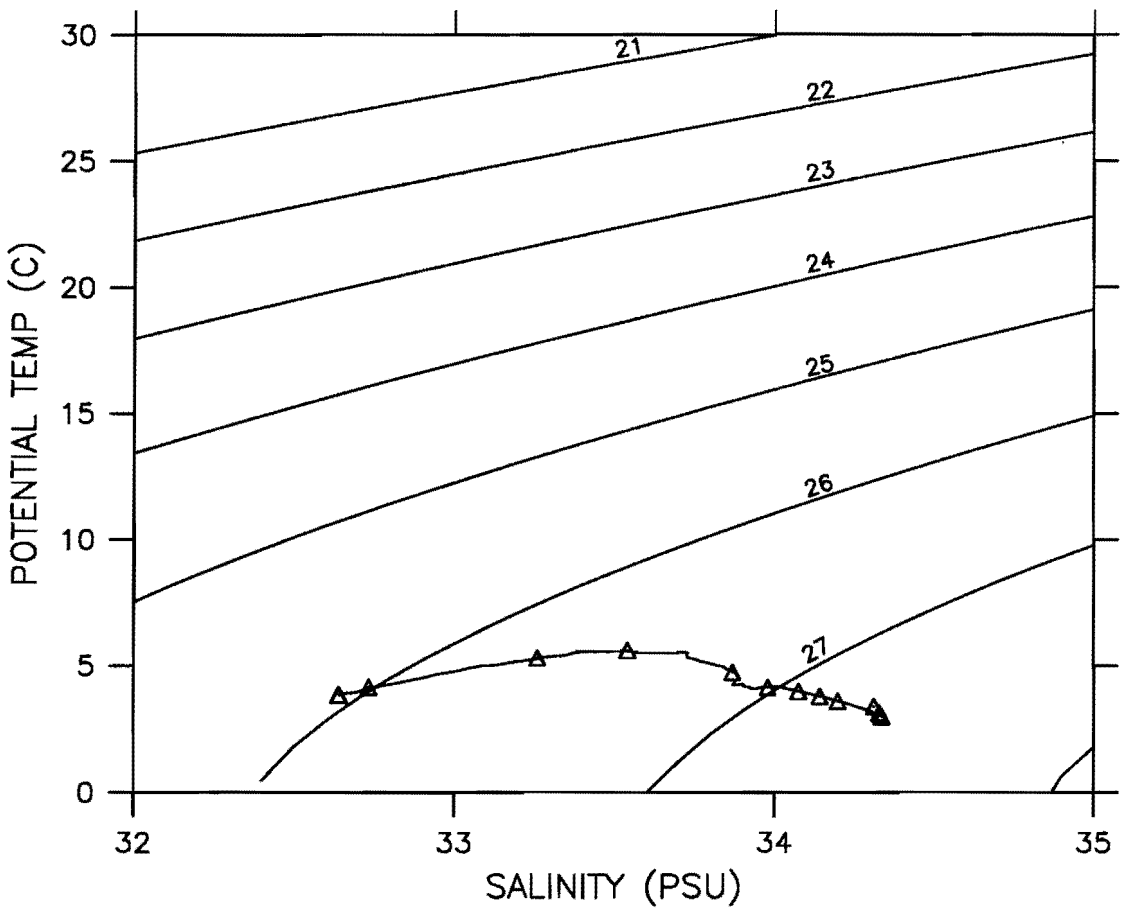


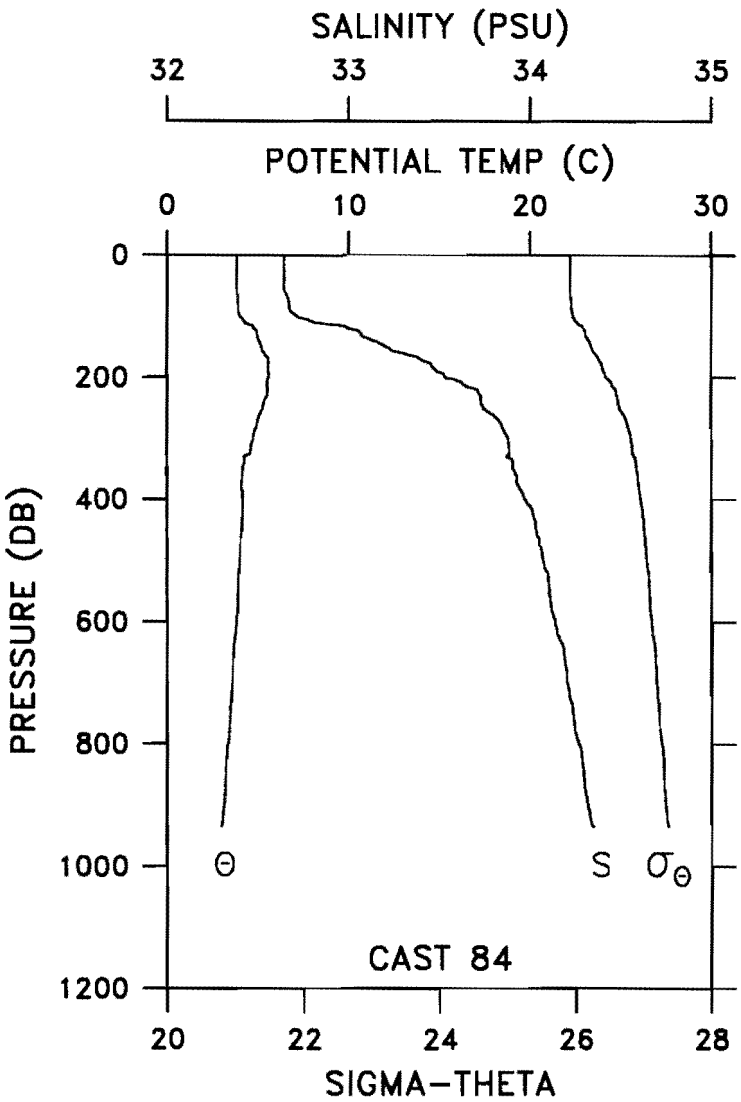
CAST CG2-91-DI -083 DATE 31 MAR 91 TIME 2122 GMT
LAT 56 01.6N LONG 153 02.7W WEATHER 7 SEA STATE 3
BAROMETER 01 WIND DIR 140 T SPD 28 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 02.5 WET 00.6 DEPTH 1977 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.604	32.602	25.917	0.000
10	3.604	32.602	25.917	0.021
20	3.603	32.603	25.918	0.042
30	3.597	32.604	25.919	0.062
40	3.595	32.603	25.919	0.083
50	3.562	32.602	25.921	0.104
60	3.558	32.602	25.922	0.125
70	3.550	32.602	25.922	0.145
80	3.550	32.601	25.921	0.166
90	3.545	32.606	25.926	0.187
100	3.666	32.715	26.001	0.207
110	3.454	32.732	26.035	0.227
120	3.564	32.759	26.045	0.247
130	3.908	32.865	26.097	0.266
140	4.693	33.113	26.214	0.285
150	5.345	33.345	26.324	0.302
160	5.370	33.445	26.400	0.319
170	5.402	33.631	26.544	0.334
180	5.241	33.735	26.645	0.349
190	5.091	33.803	26.716	0.363
200	4.993	33.832	26.750	0.376
250	4.618	33.884	26.834	0.440
300	4.392	33.932	26.895	0.500
350	4.229	33.990	26.959	0.557
400	3.976	34.013	27.003	0.613
450	3.881	34.053	27.045	0.666
500	3.888	34.108	27.088	0.717
550	3.794	34.140	27.123	0.767
600	3.688	34.182	27.167	0.815
650	3.574	34.212	27.202	0.861
700	3.457	34.243	27.238	0.906
750	3.354	34.270	27.269	0.949
800	3.258	34.293	27.297	0.991
900	3.105	34.325	27.337	1.072
1000	2.927	34.358	27.379	1.150
1500	2.248	34.494	27.546	1.489
1945	1.792	34.584	27.654	1.740

CAST CG2-91-DI -084 DATE 01 APR 91 TIME 0100 GMT

LAT 56 14.5N LONG 153 10.8W



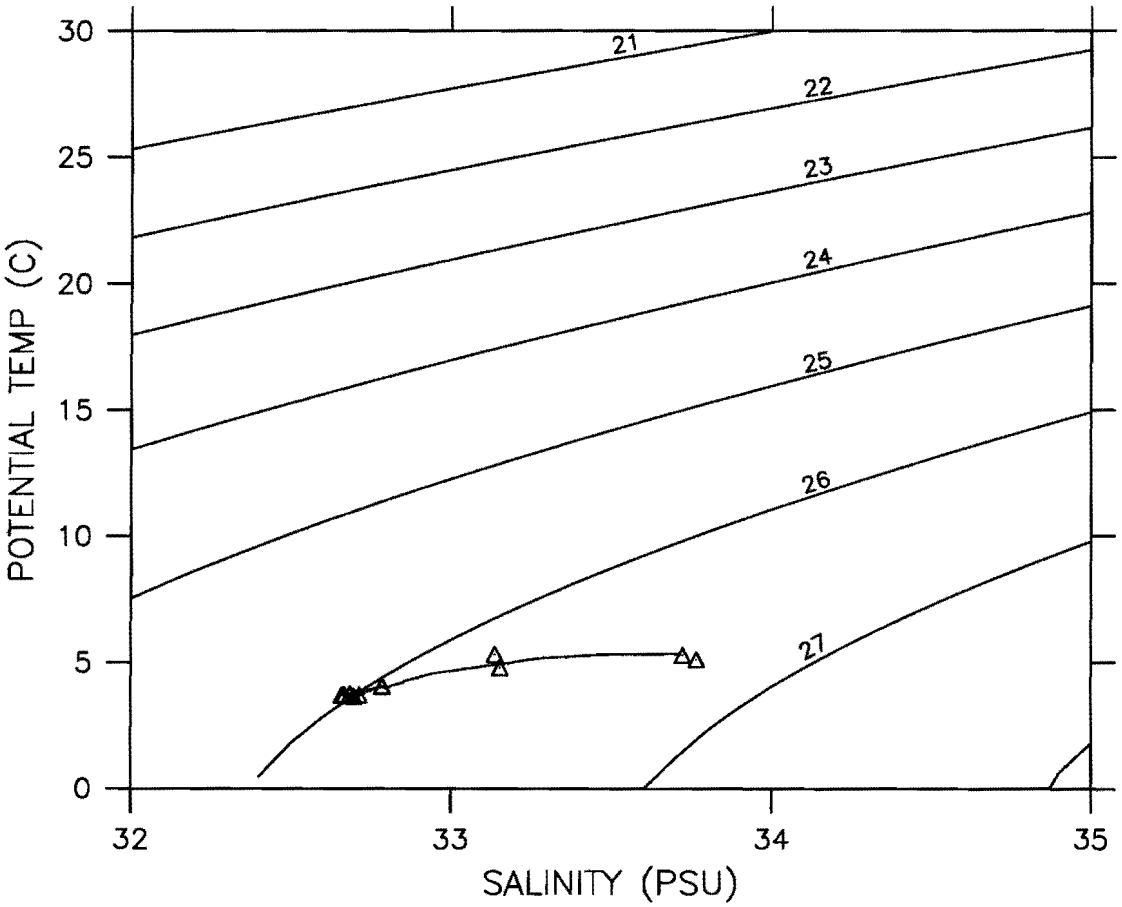


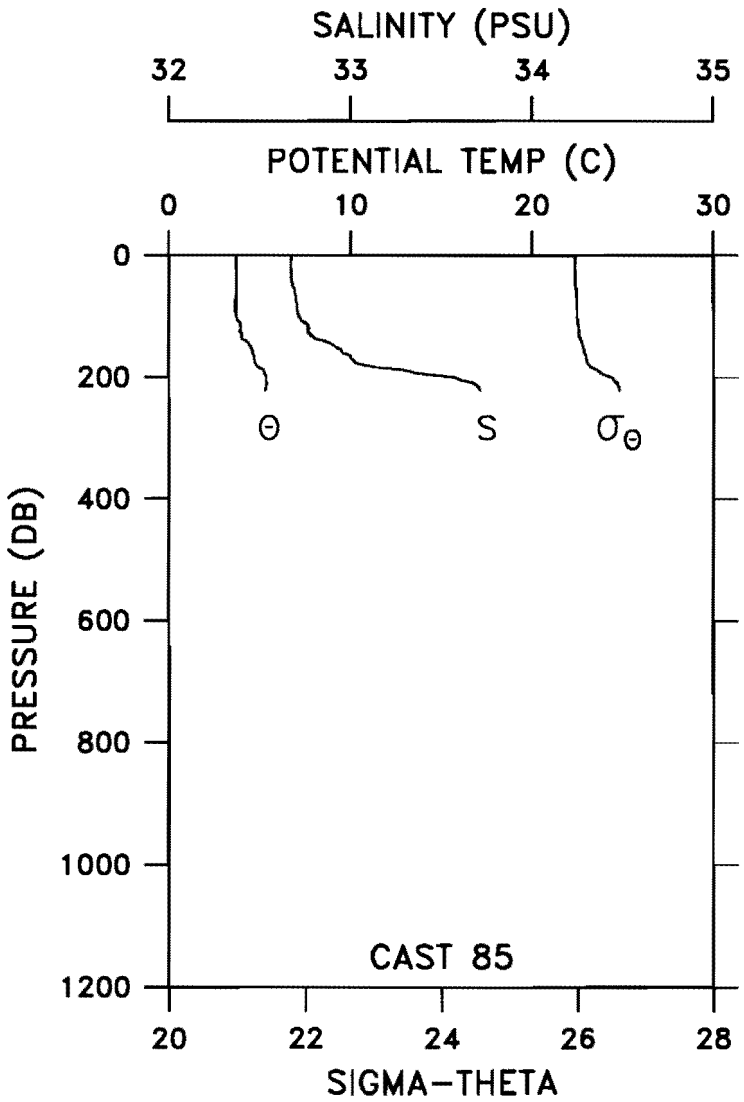
CAST CG2-91-DI -084 DATE 01 APR 91 TIME 0100 GMT
LAT 56 14.5N LONG 153 10.8W WEATHER 2 SEA STATE 4
BAROMETER 98 WIND DIR 105 T SPD 24 KT VISIBILITY 8
CLOUD 4 AMOUNT 8 DRY 02.4 WET 00.8 DEPTH 0964 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.856	32.645	25.927	0.000
10	3.856	32.644	25.927	0.021
20	3.853	32.644	25.927	0.041
30	3.852	32.645	25.927	0.062
40	3.852	32.644	25.927	0.083
50	3.849	32.644	25.927	0.103
60	3.867	32.649	25.929	0.124
70	3.916	32.664	25.937	0.145
80	3.914	32.670	25.941	0.165
90	3.921	32.676	25.946	0.186
100	4.017	32.712	25.965	0.206
110	4.275	32.806	26.013	0.227
120	4.769	32.997	26.113	0.246
130	4.962	33.068	26.148	0.265
140	5.039	33.133	26.191	0.283
150	5.183	33.202	26.229	0.301
160	5.344	33.286	26.277	0.319
170	5.559	33.392	26.336	0.336
180	5.559	33.455	26.385	0.353
190	5.557	33.485	26.409	0.369
200	5.593	33.531	26.442	0.385
250	5.288	33.740	26.644	0.459
300	4.763	33.877	26.812	0.525
350	4.186	33.906	26.897	0.586
400	4.156	33.973	26.953	0.644
450	4.107	34.034	27.007	0.699
500	4.003	34.072	27.048	0.752
550	3.913	34.104	27.083	0.804
600	3.808	34.138	27.120	0.854
650	3.661	34.185	27.172	0.902
700	3.596	34.204	27.193	0.949
750	3.472	34.235	27.230	0.994
800	3.344	34.267	27.268	1.038
900	3.119	34.317	27.329	1.121
935	2.969	34.349	27.368	1.148

CAST CG2-91-DI -085 DATE 01 APR 91 TIME 0400 GMT

LAT 56 17.7N LONG 153 13.9W



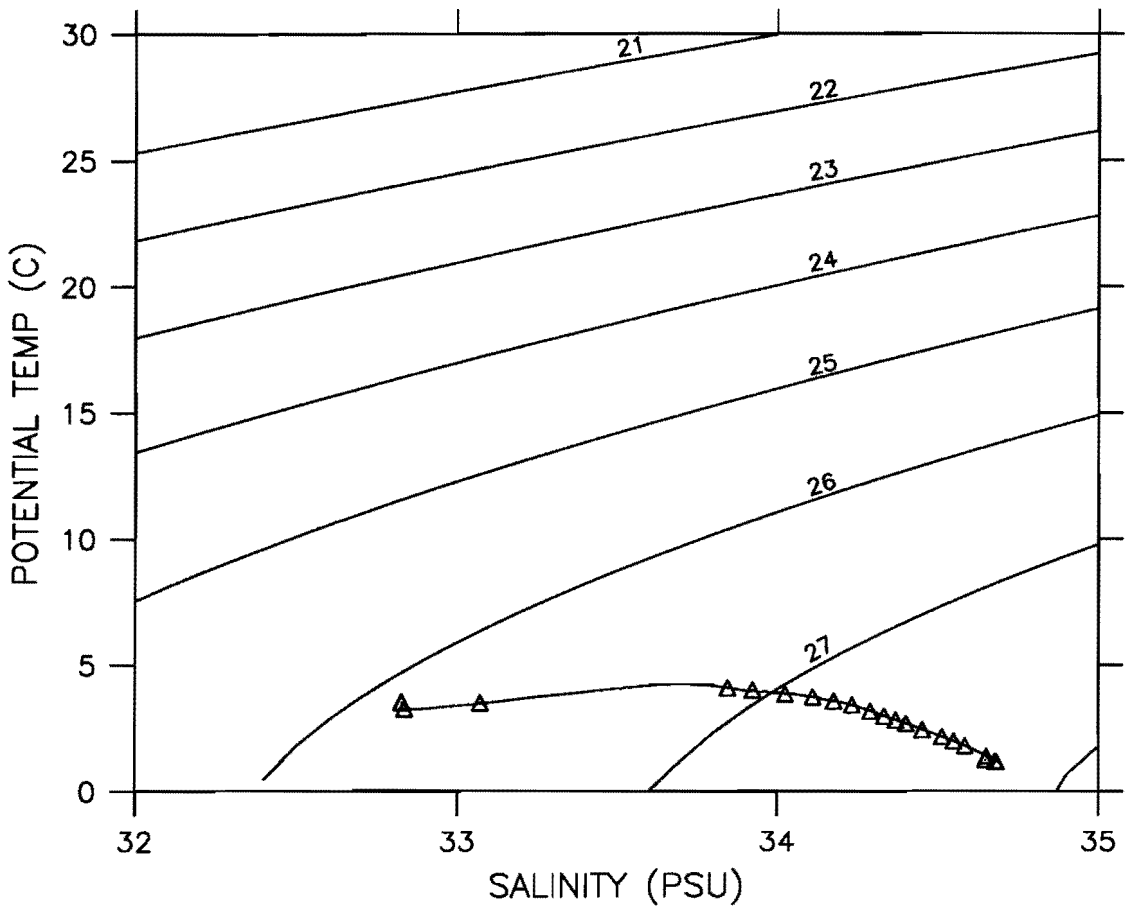


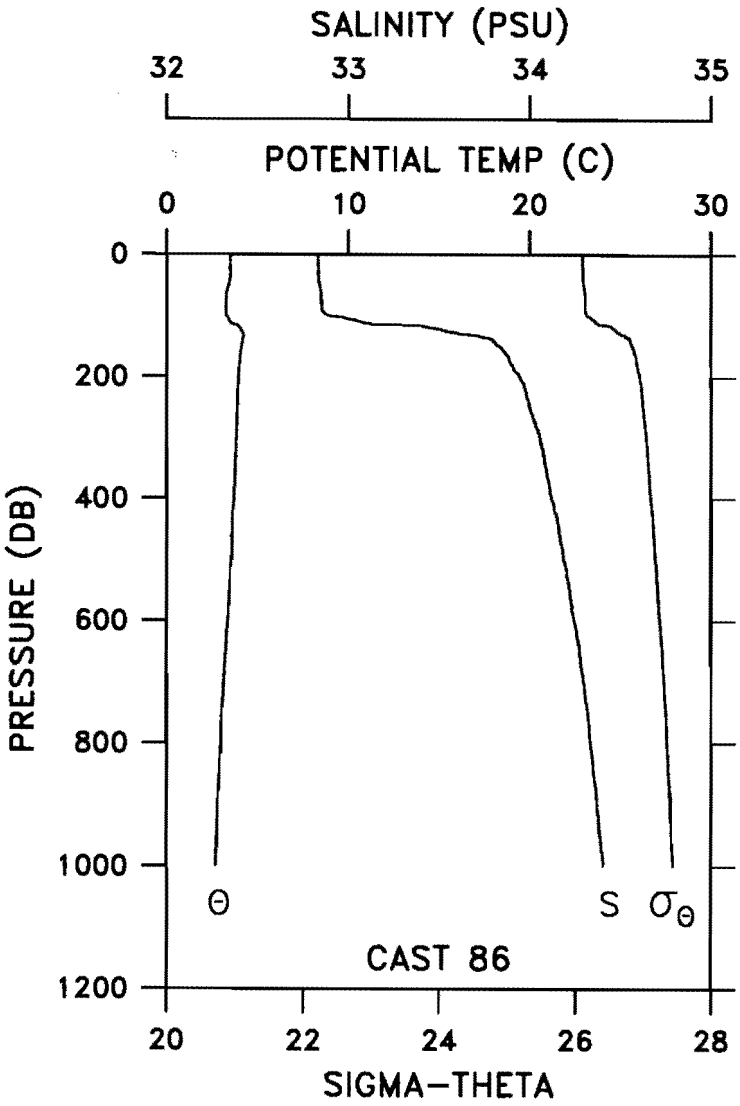
CAST CG2-91-DI -085 DATE 01 APR 91 TIME 0400 GMT
LAT 56 17.7N LONG 153 13.9W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH 0272 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.695	32.672	25.964	0.000
10	3.694	32.671	25.964	0.020
20	3.693	32.671	25.964	0.041
30	3.699	32.672	25.963	0.061
40	3.700	32.673	25.964	0.081
50	3.721	32.681	25.969	0.102
60	3.710	32.692	25.978	0.122
70	3.665	32.698	25.988	0.142
80	3.656	32.703	25.993	0.162
90	3.653	32.705	25.995	0.182
100	3.699	32.716	25.998	0.202
110	3.862	32.745	26.006	0.222
120	3.943	32.768	26.017	0.242
130	3.994	32.780	26.021	0.262
140	4.220	32.855	26.058	0.282
150	4.469	32.914	26.080	0.301
160	4.577	32.953	26.099	0.321
170	4.664	33.003	26.129	0.340
180	4.785	33.072	26.170	0.358
190	5.204	33.324	26.323	0.376
200	5.314	33.570	26.506	0.393
222	5.290	33.714	26.622	0.425

CAST CG2-91-DI -086 DATE 01 APR 91 TIME 2021 GMT

LAT 55 04.2N LONG 152 17.9W



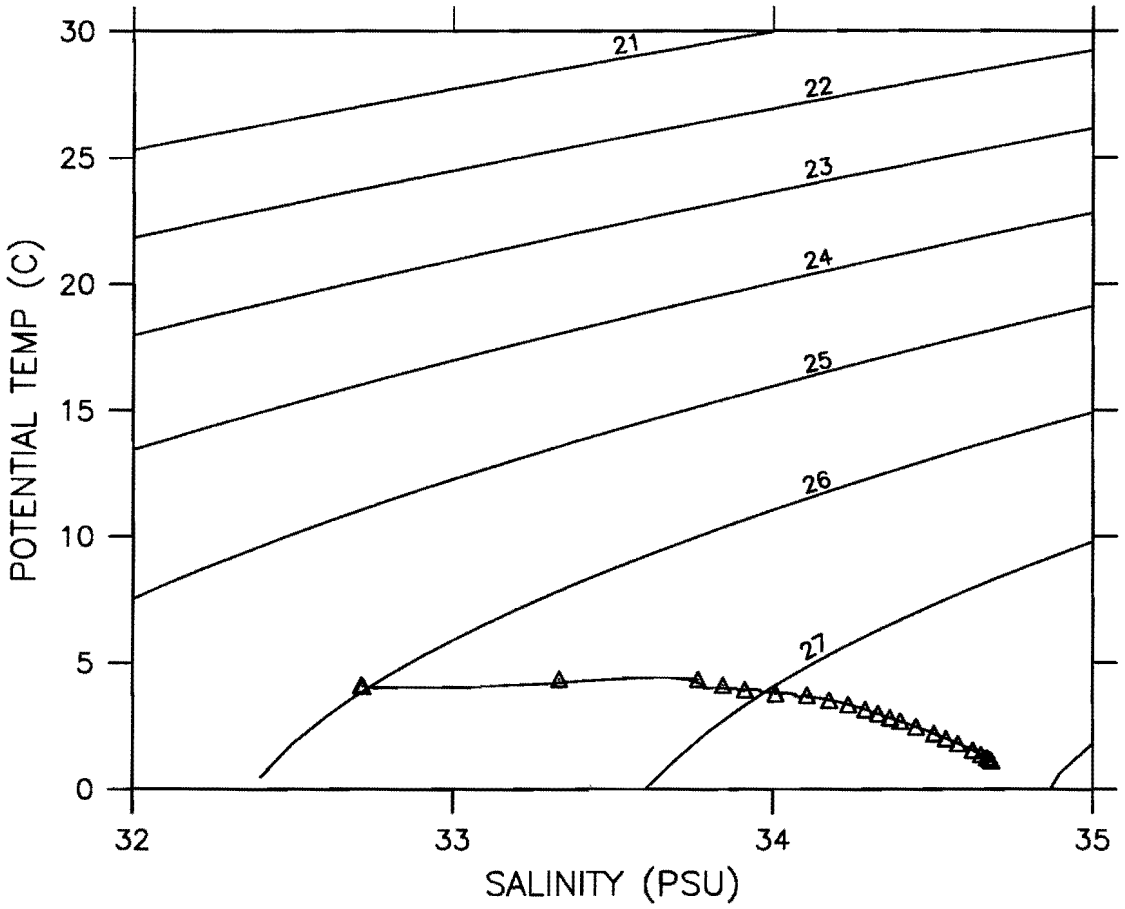


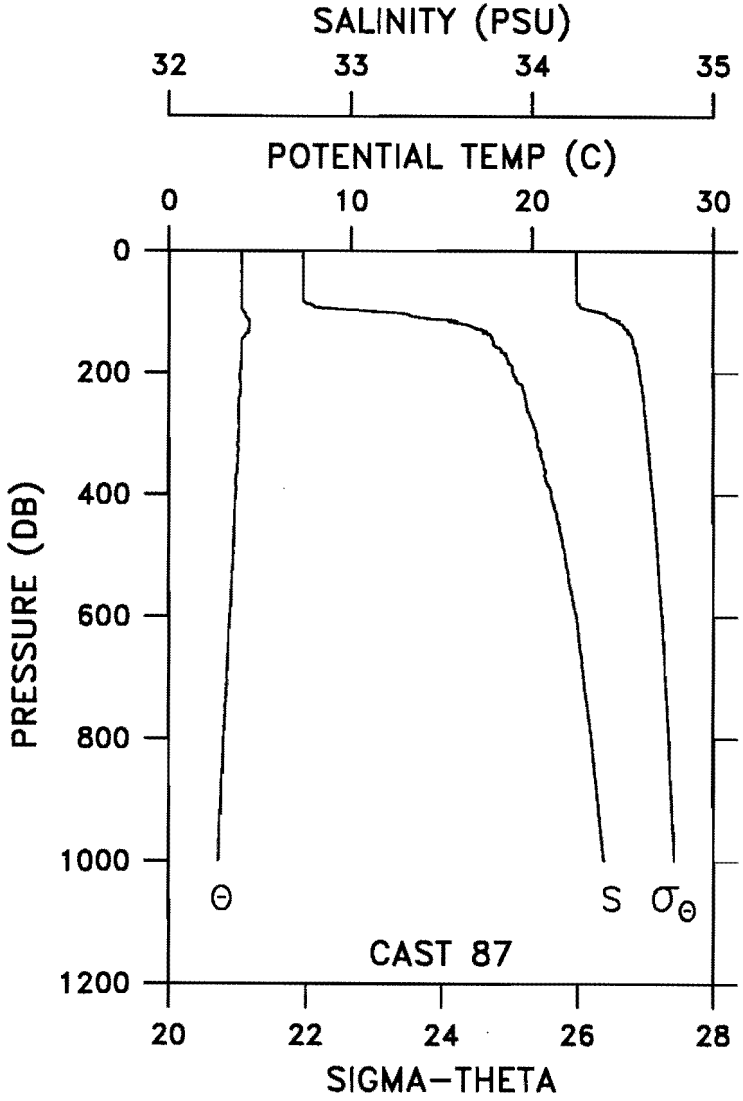
CAST CG2-91-DI -086 DATE 01 APR 91 TIME 2021 GMT
LAT 55 04.2N LONG 152 17.9W WEATHER 5 SEA STATE 5
BAROMETER 88 WIND DIR 045 T SPD 16 KT VISIBILITY 7
CLOUD 5 AMOUNT 8 DRY 03.6 WET 02.4 DEPTH 4157 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	3.496	32.832	26.110	0.000
10	3.496	32.832	26.110	0.019
20	3.491	32.833	26.112	0.038
30	3.492	32.833	26.112	0.057
40	3.478	32.835	26.114	0.076
50	3.402	32.843	26.128	0.095
60	3.319	32.849	26.140	0.113
70	3.280	32.848	26.142	0.132
80	3.261	32.850	26.146	0.151
90	3.257	32.853	26.148	0.169
100	3.262	32.882	26.171	0.188
110	3.463	33.070	26.303	0.205
120	4.002	33.456	26.558	0.221
130	4.204	33.624	26.671	0.236
140	4.181	33.796	26.810	0.249
150	4.120	33.834	26.847	0.261
160	4.059	33.864	26.877	0.273
170	4.019	33.884	26.897	0.284
180	3.986	33.904	26.916	0.296
190	3.971	33.920	26.930	0.307
200	3.945	33.946	26.953	0.319
250	3.881	34.000	27.003	0.373
300	3.842	34.056	27.051	0.425
350	3.769	34.090	27.086	0.476
400	3.714	34.119	27.114	0.525
450	3.607	34.159	27.157	0.572
500	3.551	34.187	27.185	0.619
550	3.463	34.220	27.219	0.664
600	3.364	34.245	27.249	0.707
650	3.246	34.274	27.283	0.749
700	3.152	34.296	27.309	0.790
750	3.042	34.321	27.339	0.830
800	2.976	34.335	27.357	0.869
900	2.824	34.372	27.399	0.943
1000	2.681	34.404	27.438	1.015
1500	2.113	34.526	27.583	1.331
2000	1.795	34.588	27.657	1.602
2500	1.535	34.630	27.710	1.850
3000	1.367	34.655	27.743	2.083
3500	1.243	34.671	27.765	2.310
4000	1.177	34.681	27.777	2.535
4174	1.165	34.681	27.778	2.614

CAST CG2-91-DI -087 DATE 02 APR 91 TIME 2205 GMT

LAT 52 30.0N LONG 152 01.2W





CAST CG2-91-DI -087 DATE 02 APR 91 TIME 2205 GMT
LAT 52 30.0N LONG 152 01.2W WEATHER 7 SEA STATE 6
BAROMETER 62 WIND DIR 140 T SPD 26 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 04.5 WET 03.5 DEPTH 4403 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	4.008	32.736	25.985	0.000
10	4.008	32.736	25.985	0.020
20	4.006	32.736	25.985	0.040
30	4.001	32.736	25.986	0.060
40	3.998	32.736	25.986	0.080
50	4.001	32.736	25.985	0.101
60	4.001	32.737	25.986	0.121
70	4.001	32.739	25.988	0.141
80	4.002	32.740	25.989	0.161
90	4.000	32.795	26.033	0.181
100	4.093	33.156	26.310	0.200
110	4.280	33.414	26.496	0.216
120	4.405	33.622	26.648	0.230
130	4.336	33.727	26.739	0.244
140	4.163	33.773	26.794	0.257
150	3.993	33.787	26.822	0.269
160	4.008	33.824	26.850	0.281
170	3.982	33.852	26.875	0.293
180	3.981	33.866	26.886	0.305
190	3.968	33.891	26.907	0.317
200	3.920	33.894	26.914	0.328
250	3.850	33.968	26.981	0.384
300	3.821	34.024	27.028	0.437
350	3.765	34.065	27.066	0.489
400	3.668	34.106	27.108	0.539
450	3.601	34.148	27.148	0.587
500	3.517	34.184	27.185	0.634
550	3.440	34.209	27.212	0.679
600	3.341	34.242	27.249	0.722
650	3.272	34.262	27.271	0.765
700	3.192	34.282	27.295	0.806
750	3.091	34.305	27.322	0.847
800	3.001	34.327	27.348	0.886
900	2.851	34.363	27.390	0.962
1000	2.702	34.397	27.430	1.034
1500	2.161	34.513	27.568	1.356
2000	1.821	34.582	27.651	1.634
2500	1.548	34.627	27.707	1.885
3000	1.360	34.655	27.744	2.119
3500	1.230	34.672	27.766	2.344
4000	1.166	34.681	27.778	2.569
4500	1.121	34.686	27.785	2.797
4516	1.119	34.687	27.786	2.805

HYDROGRAPHIC DATA

CAST CG1-91-DI -001 LAT 48 50.0N LONG 127 39.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
2198.	1.812	34.609	0.00	1.662	27.684
2194.	1.812	34.610	0.00	1.662	27.685
2195.	1.813	34.613	0.00	1.663	27.688
2196.	1.814	34.614	0.00	1.664	27.688
2199.	1.811	34.612	0.00	1.661	27.687
2212.	1.809	34.612	0.00	1.658	27.687
2225.	1.804	34.615	0.00	1.652	27.690
2233.	1.803	34.616	0.00	1.650	27.691
2238.	1.802	34.617	0.00	1.649	27.692
2261.	1.800	34.618	0.00	1.645	27.693
2272.	1.798	34.618	0.00	1.642	27.693
2279.	1.797	34.615	0.00	1.640	27.691
2284.	1.796	34.619	0.00	1.639	27.694
2288.	1.794	34.618	0.00	1.636	27.694
2296.	1.794	34.616	0.00	1.636	27.692
2303.	1.791	34.620	0.00	1.632	27.696
2311.	1.789	34.619	0.00	1.629	27.695
2319.	1.784	34.621	0.00	1.624	27.697
2322.	1.785	34.621	0.00	1.625	27.697
2332.	1.785	34.620	0.00	1.624	27.696
2347.	1.780	34.622	0.00	1.618	27.698
2354.	1.776	34.622	0.00	1.613	27.699
2381.	1.773	34.626	0.00	1.608	27.702

CAST CG1-91-DI -002 LAT 50 00.2N LONG 135 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
5.	6.825	32.496	0.00	6.825	25.470
17.	6.830	32.496	0.00	6.829	25.470
36.	6.821	32.500	0.00	6.818	25.474
54.	6.846	32.515	0.00	6.841	25.483
75.	6.788	32.523	0.00	6.781	25.497
97.	6.722	32.535	0.00	6.714	25.515
122.	5.853	33.388	0.00	5.843	26.298
146.	6.028	33.723	0.00	6.016	26.542
171.	5.900	33.800	0.00	5.886	26.619
198.	5.751	33.862	0.00	5.735	26.686
244.	5.342	33.896	0.00	5.323	26.763
297.	5.103	33.927	0.00	5.080	26.816

CAST CG1-91-DI -003 LAT 50 00.2N LONG 134 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
344.	4.664	33.970	0.00	4.638	26.899
392.	4.447	33.994	0.00	4.418	26.942
443.	4.307	34.058	0.00	4.275	27.008
494.	4.224	34.095	0.00	4.188	27.047
594.	4.003	34.158	0.00	3.960	27.121
693.	3.768	34.221	0.00	3.719	27.195
792.	3.570	34.280	0.00	3.514	27.262
892.	3.316	34.318	0.00	3.254	27.317
992.	3.112	34.364	0.00	3.044	27.373
1091.	2.962	34.402	0.00	2.888	27.418
1292.	2.577	34.443	0.00	2.491	27.485
1592.	2.257	34.516	0.00	2.151	27.572
1892.	2.002	34.568	0.00	1.875	27.635
2093.	1.875	34.594	0.00	1.733	27.667
2293.	1.769	34.615	0.00	1.611	27.693
2492.	1.682	34.632	0.00	1.508	27.714
2800.	1.613	34.647	0.00	1.413	27.733
2793.	1.615	34.646	0.00	1.415	27.732
2794.	1.615	34.646	0.00	1.415	27.732
3193.	1.561	34.660	0.00	1.324	27.750
3192.	1.562	34.659	0.00	1.325	27.749
3189.	1.562	34.659	0.00	1.326	27.749
3396.	1.559	34.663	0.00	1.302	27.754
3499.	1.559	34.666	0.00	1.292	27.757

CAST CG1-91-DI -004 LAT 48 59.7N LONG 134 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
19.	7.275	32.500	0.00	7.273	25.413
46.	7.211	32.503	0.00	7.207	25.425
68.	7.190	32.503	0.00	7.184	25.428
96.	7.107	32.506	0.00	7.098	25.442
145.	5.532	33.005	0.00	5.521	26.034
195.	5.203	33.664	0.00	5.188	26.595
244.	5.106	33.823	0.00	5.087	26.732
294.	4.696	33.857	0.00	4.674	26.806
395.	4.391	33.960	0.00	4.362	26.921
444.	4.276	34.004	0.00	4.244	26.969
494.	4.150	34.053	0.00	4.114	27.021
593.	3.882	34.132	0.00	3.840	27.112
691.	3.605	34.205	0.00	3.557	27.198
795.	3.382	34.263	0.00	3.327	27.266
893.	3.202	34.307	0.00	3.141	27.319
992.	3.047	34.346	0.00	2.980	27.365
1495.	2.399	34.490	0.00	2.299	27.539
1892.	2.019	34.566	0.00	1.891	27.632
2097.	1.860	34.598	0.00	1.718	27.671
2299.	1.759	34.618	0.00	1.601	27.696
2491.	1.724	34.627	0.00	1.550	27.707
2998.	1.596	34.653	0.00	1.377	27.741
3494.	1.541	34.666	0.00	1.274	27.758
3494.	1.541	34.666	0.00	1.274	27.758

CAST CG1-91-DI -005 LAT 47 59.5N LONG 134 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
344.	4.808	33.901	0.00	4.782	26.829
393.	4.609	33.943	0.00	4.580	26.884
444.	4.360	34.001	0.00	4.327	26.957
493.	4.181	34.047	0.00	4.145	27.013
592.	3.881	34.133	0.00	3.839	27.113
692.	3.669	34.194	0.00	3.620	27.183
792.	3.451	34.250	0.00	3.396	27.250
892.	3.247	34.302	0.00	3.186	27.311
992.	3.096	34.337	0.00	3.028	27.353
1093.	2.951	34.373	0.00	2.877	27.396
1293.	2.633	34.441	0.00	2.546	27.479
1594.	2.288	34.513	0.00	2.181	27.567
1890.	2.019	34.573	0.00	1.892	27.638
2095.	1.882	34.600	0.00	1.739	27.671
2295.	1.800	34.617	0.00	1.642	27.692
2497.	1.731	34.633	0.00	1.556	27.712
2797.	1.654	34.642	0.00	1.453	27.726
3096.	1.599	34.654	0.00	1.371	27.742
3397.	1.551	34.663	0.00	1.294	27.754
3400.	1.549	34.664	0.00	1.292	27.755
3396.	1.549	34.663	0.00	1.292	27.755
3497.	1.543	34.666	0.00	1.276	27.758
3602.	1.538	34.669	0.00	1.260	27.762
3787.	1.545	34.671	0.00	1.248	27.764

CAST CG1-91-DI -006 LAT 47 59.5N LONG 134 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
3.	8.017	32.475	0.00	8.017	25.289
15.	7.997	32.475	0.00	7.996	25.292
36.	7.985	32.476	0.00	7.982	25.295
55.	7.856	32.480	0.00	7.851	25.317
75.	7.773	32.485	0.00	7.766	25.333
94.	7.527	32.505	0.00	7.518	25.383
123.	6.089	33.003	0.00	6.079	25.965
142.	5.761	33.138	0.00	5.750	26.112
173.	5.448	33.553	0.00	5.434	26.478
195.	5.704	33.684	0.00	5.688	26.551
245.	5.520	33.835	0.00	5.500	26.693
296.	5.086	33.857	0.00	5.063	26.762

CAST CG1-91-DI -007 LAT 46 59.2N LONG 134 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	8.822	32.465	0.00	8.821	25.162
22.	8.823	32.466	0.00	8.821	25.162
46.	8.816	32.466	0.00	8.811	25.164
70.	8.750	32.470	0.00	8.743	25.177
94.	8.392	32.485	0.00	8.383	25.243
144.	6.439	32.985	0.00	6.427	25.907
191.	5.704	33.592	0.00	5.688	26.479
244.	5.778	33.846	0.00	5.758	26.671
297.	5.212	33.849	0.00	5.189	26.741
346.	4.764	33.873	0.00	4.738	26.811
395.	4.670	33.940	0.00	4.640	26.875
494.	4.266	34.043	0.00	4.230	27.001
594.	3.960	34.128	0.00	3.917	27.101
689.	3.691	34.197	0.00	3.642	27.183
788.	3.457	34.244	0.00	3.402	27.244
892.	3.227	34.300	0.00	3.166	27.311
994.	3.049	34.349	0.00	2.981	27.367
1493.	2.400	34.501	0.00	2.300	27.548
1891.	2.010	34.576	0.00	1.883	27.641
2094.	1.888	34.600	0.00	1.745	27.671
2295.	1.805	34.616	0.00	1.647	27.691
2495.	1.736	34.628	0.00	1.561	27.707
2997.	1.605	34.652	0.00	1.386	27.739
3497.	1.533	34.667	0.00	1.266	27.760

CAST CG1-91-DI -008 LAT 46 00.2N LONG 135 01.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
344.	5.322	33.900	0.00	5.295	26.769
395.	5.070	33.953	0.00	5.039	26.841
443.	4.721	33.981	0.00	4.687	26.903
494.	4.434	34.014	0.00	4.397	26.960
595.	4.109	34.102	0.00	4.066	27.065
693.	3.878	34.172	0.00	3.828	27.145
792.	3.598	34.232	0.00	3.542	27.221
891.	3.355	34.290	0.00	3.293	27.291
992.	3.165	34.335	0.00	3.097	27.345
1095.	2.990	34.381	0.00	2.915	27.399
1291.	2.670	34.448	0.00	2.583	27.481
1596.	2.253	34.527	0.00	2.146	27.581
1893.	2.006	34.575	0.00	1.879	27.641
2096.	1.898	34.598	0.00	1.755	27.669
2293.	1.808	34.617	0.00	1.650	27.692
2494.	1.734	34.630	0.00	1.559	27.709
2800.	1.645	34.645	0.00	1.444	27.729
3104.	1.581	34.656	0.00	1.352	27.745
3396.	1.547	34.665	0.00	1.290	27.756
3395.	1.547	34.665	0.00	1.290	27.756
3397.	1.547	34.661	0.00	1.290	27.753
3703.	1.537	34.671	0.00	1.249	27.764
3700.	1.538	34.671	0.00	1.250	27.764
3952.	1.547	34.671	0.00	1.232	27.765

CAST CG1-91-DI -009 LAT 46 00.0N LONG 134 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
1.	9.941	32.514	0.00	9.941	25.021
15.	9.935	32.512	0.00	9.933	25.021
36.	9.935	32.513	0.00	9.931	25.022
56.	9.893	32.510	0.00	9.887	25.027
76.	9.473	32.529	0.00	9.465	25.111
94.	8.524	32.690	0.00	8.515	25.384
119.	7.344	32.962	0.00	7.333	25.768
146.	6.807	33.173	0.00	6.794	26.008
168.	6.605	33.394	0.00	6.590	26.209
189.	6.304	33.621	0.00	6.288	26.427
243.	6.269	33.843	0.00	6.248	26.607
294.	5.739	33.876	0.00	5.715	26.700
393.	5.101	33.943	0.00	5.070	26.829
492.	4.471	34.006	0.00	4.434	26.950
595.	4.142	34.099	0.00	4.099	27.059
692.	3.905	34.164	0.00	3.855	27.136
758.	3.712	34.213	0.00	3.658	27.195
966.	3.259	34.312	0.00	3.192	27.318

CAST CG1-91-DI -010 LAT 45 00.3N LONG 135 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
5.	10.649	32.613	0.00	10.648	24.979
19.	10.640	32.610	0.00	10.638	24.979
47.	10.552	32.596	0.00	10.547	24.983
71.	9.388	32.499	0.00	9.380	25.101
94.	8.682	32.593	0.00	8.672	25.284
144.	7.171	33.208	0.00	7.158	25.986
193.	6.547	33.636	0.00	6.530	26.407
243.	6.568	33.863	0.00	6.546	26.584
294.	5.949	33.895	0.00	5.924	26.689
393.	5.096	33.918	0.00	5.065	26.810
492.	4.496	34.001	0.00	4.459	26.943
594.	4.123	34.078	0.00	4.080	27.045
693.	3.855	34.167	0.00	3.805	27.143
791.	3.638	34.229	0.00	3.582	27.215
893.	3.399	34.292	0.00	3.337	27.289
992.	3.260	34.343	0.00	3.191	27.343
1493.	2.467	34.510	0.00	2.366	27.549
1892.	2.016	34.580	0.00	1.888	27.644
2092.	1.885	34.605	0.00	1.743	27.675
2294.	1.806	34.620	0.00	1.648	27.694
2494.	1.739	34.632	0.00	1.564	27.710
3001.	1.583	34.655	0.00	1.364	27.743
3496.	1.548	34.663	0.00	1.281	27.755
4043.	1.542	34.676	0.00	1.217	27.770

CAST CG1-91-DI -011 LAT 43 59.9N LONG 135 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	11.455	32.719	0.00	11.454	24.919
23.	11.456	32.718	0.00	11.453	24.918
41.	11.447	32.719	0.00	11.442	24.921
58.	11.437	32.719	0.00	11.430	24.923
74.	11.262	32.719	0.00	11.253	24.955
94.	11.211	32.719	0.00	11.200	24.965
119.	10.895	32.734	0.00	10.881	25.033
143.	8.572	32.800	0.00	8.557	25.464
168.	7.644	32.993	0.00	7.628	25.752
193.	6.701	33.277	0.00	6.684	26.104
245.	6.502	33.677	0.00	6.480	26.446
296.	6.328	33.848	0.00	6.302	26.604

CAST CG1-91-DI -012 LAT 43 59.5N LONG 134 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
351.	5.851	33.874	0.00	5.821	26.685
402.	5.440	33.886	0.00	5.407	26.745
450.	5.091	33.920	0.00	5.055	26.813
498.	4.801	33.956	0.00	4.763	26.874
599.	4.314	34.056	0.00	4.269	27.007
698.	3.960	34.136	0.00	3.909	27.108
799.	3.738	34.236	0.00	3.681	27.211
900.	3.627	34.327	0.00	3.562	27.295
1000.	3.341	34.366	0.00	3.271	27.354
1101.	3.205	34.396	0.00	3.128	27.391
1301.	2.818	34.464	0.00	2.729	27.482
1602.	2.343	34.532	0.00	2.235	27.578
1899.	2.030	34.582	0.00	1.902	27.645
2098.	1.904	34.605	0.00	1.761	27.674
2297.	1.825	34.619	0.00	1.666	27.692
2500.	1.746	34.631	0.00	1.571	27.709
2805.	1.654	34.647	0.00	1.452	27.730
3103.	1.577	34.659	0.00	1.349	27.747
3404.	1.545	34.666	0.00	1.288	27.757
3401.	1.544	34.667	0.00	1.287	27.758
3404.	1.545	34.668	0.00	1.288	27.759
3706.	1.539	34.674	0.00	1.250	27.766
3706.	1.540	34.673	0.00	1.252	27.765
3973.	1.551	34.674	0.00	1.234	27.768

CAST CG1-91-DI -013 LAT 41 59.9N LONG 134 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	12.533	32.863	0.00	12.532	24.829
24.	12.446	32.867	0.00	12.443	24.850
41.	12.427	32.867	0.00	12.422	24.854
62.	12.362	32.866	0.00	12.354	24.866
82.	11.982	32.871	0.00	11.972	24.942
102.	10.177	32.937	0.00	10.165	25.314
127.	8.574	33.136	0.00	8.561	25.727
151.	7.960	33.338	0.00	7.945	25.977
177.	7.128	33.489	0.00	7.112	26.214
199.	6.957	33.581	0.00	6.939	26.310
250.	6.971	33.869	0.00	6.948	26.535
303.	6.467	33.911	0.00	6.440	26.636

CAST CG1-91-DI -014 LAT 42 00.3N LONG 134 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
350.	6.256	33.911	0.00	6.225	26.664
406.	5.566	32.995	0.00	5.533	26.025
456.	5.171	33.947	0.00	5.135	26.825
502.	4.797	33.988	0.00	4.758	26.900
605.	4.287	34.096	0.00	4.242	27.042
702.	3.866	34.185	0.00	3.816	27.157
804.	3.690	34.249	0.00	3.633	27.226
900.	3.453	34.331	0.00	3.390	27.315
1000.	3.304	34.368	0.00	3.234	27.359
1101.	3.116	34.411	0.00	3.040	27.411
1300.	2.785	34.470	0.00	2.696	27.489
1599.	2.317	34.538	0.00	2.209	27.585
1900.	2.026	34.590	0.00	1.898	27.651
2102.	1.871	34.614	0.00	1.728	27.684
2299.	1.799	34.627	0.00	1.640	27.701
2503.	1.717	34.637	0.00	1.542	27.716
2801.	1.626	34.651	0.00	1.425	27.736
3103.	1.579	34.659	0.00	1.351	27.747
3405.	1.554	34.666	0.00	1.296	27.757
3402.	1.554	34.666	0.00	1.297	27.757
3402.	1.554	34.666	0.00	1.297	27.757
3707.	1.552	34.671	0.00	1.263	27.763
3706.	1.551	34.670	0.00	1.262	27.762
4072.	1.567	34.675	0.00	1.238	27.768

CAST CG1-91-DI -015 LAT 40 00.0N LONG 135 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	13.681	32.837	0.00	13.680	24.582
24.	13.625	32.836	0.00	13.622	24.593
43.	13.587	32.836	0.00	13.581	24.602
63.	13.453	32.840	0.00	13.444	24.632
84.	13.438	32.896	0.00	13.427	24.679
104.	12.350	32.975	0.00	12.337	24.954
128.	9.447	32.789	0.00	9.433	25.319
153.	8.743	32.918	0.00	8.727	25.531
177.	8.224	33.110	0.00	8.206	25.760
204.	7.899	33.578	0.00	7.879	26.175
253.	7.643	33.878	0.00	7.618	26.449
304.	6.830	33.938	0.00	6.802	26.609
353.	6.376	33.933	0.00	6.345	26.666
401.	5.833	33.939	0.00	5.799	26.739
452.	5.237	33.962	0.00	5.201	26.829
501.	4.896	33.999	0.00	4.857	26.898
601.	4.508	34.087	0.00	4.462	27.011
704.	4.197	34.193	0.00	4.145	27.129

CAST CG1-91-DI -016 LAT 39 59.8N LONG 134 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
801.	4.010	34.256	0.00	3.951	27.199
900.	3.747	34.329	0.00	3.682	27.285
1014.	3.507	34.383	0.00	3.434	27.352
1104.	3.277	34.426	0.00	3.199	27.409
1298.	2.866	34.476	0.00	2.776	27.487
1601.	2.330	34.552	0.00	2.222	27.595
1903.	1.990	34.598	0.00	1.862	27.660
2105.	1.867	34.616	0.00	1.724	27.685
2306.	1.796	34.626	0.00	1.637	27.700
2502.	1.710	34.638	0.00	1.535	27.717
2802.	1.627	34.651	0.00	1.426	27.735
3104.	1.585	34.663	0.00	1.356	27.750
3407.	1.549	34.666	0.00	1.291	27.757
3404.	1.550	34.667	0.00	1.292	27.758
3407.	1.549	34.666	0.00	1.291	27.757
3709.	1.525	34.674	0.00	1.237	27.767
4009.	1.541	34.677	0.00	1.220	27.771
4148.	1.555	34.676	0.00	1.218	27.770

CAST CG1-91-DI -017 LAT 36 59.5N LONG 134 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	14.957	33.376	0.00	14.956	24.730
8.	14.958	33.376	0.00	14.957	24.730
22.	14.962	33.376	0.00	14.959	24.730
41.	14.949	33.384	0.00	14.943	24.739
62.	14.871	33.407	0.00	14.862	24.775
81.	14.860	33.429	0.00	14.848	24.795
101.	14.620	33.442	0.00	14.605	24.857
127.	13.240	33.408	0.00	13.223	25.116
151.	10.536	33.141	0.00	10.518	25.413
176.	9.022	33.233	0.00	9.003	25.734
202.	8.087	33.358	0.00	8.067	25.975
251.	7.862	33.802	0.00	7.837	26.357
304.	7.400	33.956	0.00	7.371	26.545

CAST CG1-91-DI -018 LAT 36 59.4N LONG 134 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
351.	6.806	33.946	0.00	6.774	26.619
401.	6.126	33.942	0.00	6.091	26.705
453.	5.466	33.955	0.00	5.429	26.797
501.	5.065	33.979	0.00	5.025	26.863
601.	4.519	34.083	0.00	4.473	27.007
702.	4.190	34.179	0.00	4.138	27.119
800.	3.896	34.258	0.00	3.838	27.213
901.	3.750	34.343	0.00	3.685	27.296
995.	3.460	34.393	0.00	3.389	27.364
1098.	3.269	34.437	0.00	3.191	27.418
1300.	2.878	34.506	0.00	2.788	27.510
1600.	2.399	34.561	0.00	2.290	27.597
1899.	2.065	34.601	0.00	1.936	27.657
2104.	1.904	34.621	0.00	1.760	27.687
2302.	1.800	34.632	0.00	1.641	27.704
2503.	1.723	34.642	0.00	1.548	27.719
2805.	1.625	34.653	0.00	1.424	27.737
3102.	1.564	34.662	0.00	1.336	27.751
3407.	1.517	34.670	0.00	1.260	27.762
3706.	1.490	34.676	0.00	1.203	27.771
4009.	1.489	34.680	0.00	1.169	27.777
4309.	1.501	34.683	0.00	1.148	27.781
4710.	1.530	34.684	0.00	1.130	27.783
5133.	1.579	34.687	0.00	1.126	27.785

CAST CG1-91-DI -019 LAT 35 00.1N LONG 135 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	16.227	33.835	0.00	16.226	24.801
8.	16.216	33.831	0.00	16.215	24.800
22.	16.246	33.844	0.00	16.243	24.804
41.	16.326	33.863	0.00	16.319	24.801
61.	16.314	33.886	0.00	16.304	24.822
82.	16.486	33.984	0.00	16.473	24.859
102.	15.996	33.921	0.00	15.980	24.923
127.	14.615	33.739	0.00	14.596	25.088
151.	13.467	33.692	0.00	13.446	25.291
177.	10.889	33.429	0.00	10.868	25.576
202.	10.143	33.546	0.00	10.120	25.797
251.	8.693	33.757	0.00	8.667	26.197
301.	8.329	33.981	0.00	8.298	26.429
350.	7.493	33.982	0.00	7.459	26.553
401.	6.699	33.967	0.00	6.662	26.651
451.	6.073	33.963	0.00	6.034	26.729
499.	5.559	33.979	0.00	5.518	26.805
600.	4.829	34.065	0.00	4.782	26.959
691.	4.371	34.152	0.00	4.319	27.078

CAST CG1-91-DI -020 LAT 35 00.1N LONG 135 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
801.	4.106	34.228	0.00	4.046	27.167
902.	3.850	34.314	0.00	3.784	27.263
1003.	3.631	34.394	0.00	3.558	27.349
1104.	3.382	34.436	0.00	3.303	27.407
1302.	3.019	34.497	0.00	2.927	27.490
1602.	2.529	34.549	0.00	2.418	27.576
1902.	2.105	34.592	0.00	1.975	27.647
2104.	1.919	34.614	0.00	1.775	27.680
2303.	1.806	34.629	0.00	1.647	27.702
2506.	1.723	34.641	0.00	1.547	27.719
2805.	1.627	34.657	0.00	1.426	27.740
3104.	1.565	34.663	0.00	1.337	27.751
3404.	1.511	34.670	0.00	1.254	27.763
3807.	1.480	34.679	0.00	1.182	27.775
4209.	1.490	34.683	0.00	1.148	27.781
4606.	1.518	34.685	0.00	1.130	27.783
5010.	1.556	34.686	0.00	1.119	27.785
5278.	1.588	34.687	0.00	1.116	27.786

CAST CG1-91-DI -021 LAT 21 20.0N LONG 152 49.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	23.798	34.935	0.00	23.796	23.654
22.	23.792	34.936	0.00	23.787	23.657
42.	23.788	34.935	0.00	23.779	23.659
81.	23.563	35.080	0.00	23.546	23.837
80.	23.541	35.081	0.00	23.524	23.844
101.	22.916	35.109	0.00	22.895	24.048
125.	22.036	35.167	0.00	22.011	24.343
153.	20.649	35.202	0.00	20.620	24.752
177.	19.478	35.128	0.00	19.446	25.006
203.	17.846	34.923	0.00	17.811	25.260
251.	14.663	34.517	0.00	14.626	25.682
300.	11.526	34.220	0.00	11.488	26.080
350.	9.980	34.143	0.00	9.940	26.293

CAST CG1-91-DI -022 LAT 21 20.1N LONG 152 50.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
403.	8.567	34.099	0.00	8.524	26.487
448.	7.797	34.105	0.00	7.752	26.608
503.	6.841	34.151	0.00	6.794	26.778
599.	5.606	34.258	0.00	5.555	27.022
702.	5.207	34.385	0.00	5.149	27.171
802.	4.728	34.442	0.00	4.664	27.271
900.	4.411	34.478	0.00	4.341	27.335
999.	4.086	34.494	0.00	4.010	27.383
1103.	3.903	34.520	0.00	3.819	27.423
1296.	3.427	34.546	0.00	3.332	27.492
1604.	2.723	34.586	0.00	2.610	27.589
1901.	2.289	34.612	0.00	2.157	27.648
2098.	2.063	34.628	0.00	1.917	27.680
2302.	1.910	34.638	0.00	1.749	27.701
2305.	1.908	34.639	0.00	1.747	27.702
2498.	1.776	34.649	0.00	1.600	27.721
2809.	1.652	34.660	0.00	1.450	27.741
3105.	1.563	34.669	0.00	1.335	27.756
3407.	1.502	34.675	0.00	1.245	27.768
3806.	1.463	34.684	0.00	1.166	27.780
4318.	1.454	34.687	0.00	1.101	27.787
4809.	1.465	34.691	0.00	1.055	27.793
5333.	1.511	34.688	0.00	1.035	27.792

CAST CG1-91-DI -023 LAT 20 55.1N LONG 153 47.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
2008.	2.185	34.621	0.00	2.045	27.664
2009.	2.184	34.621	0.00	2.044	27.665
2006.	2.185	34.621	0.00	2.045	27.664
2002.	2.184	34.622	0.00	2.045	27.665
1999.	2.186	34.621	0.00	2.047	27.664
2008.	2.174	34.621	0.00	2.034	27.665
2003.	2.183	34.620	0.00	2.044	27.664
2001.	2.186	34.621	0.00	2.047	27.664
2009.	2.168	34.622	0.00	2.028	27.667
2000.	2.176	34.621	0.00	2.037	27.665
1999.	2.185	34.621	0.00	2.046	27.664
2011.	2.162	34.622	0.00	2.022	27.667
1996.	2.179	34.618	0.00	2.040	27.662
2014.	2.160	34.624	0.00	2.020	27.669
2005.	2.165	34.622	0.00	2.026	27.667
2001.	2.171	34.622	0.00	2.032	27.666
1996.	2.173	34.622	0.00	2.034	27.666
1996.	2.171	34.621	0.00	2.032	27.666
1995.	2.169	34.622	0.00	2.030	27.666
1995.	2.166	34.622	0.00	2.027	27.667
1998.	2.163	34.623	0.00	2.024	27.668
1994.	2.164	34.622	0.00	2.026	27.667

CAST CG2-91-DI -024 LAT 19 53.3N LONG 154 55.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	23.572	34.977	0.00	23.570	23.752
21.	23.584	34.977	0.00	23.580	23.749
40.	23.588	34.977	0.00	23.580	23.749
62.	23.582	34.979	0.00	23.569	23.754
80.	23.154	35.131	0.00	23.138	23.995
101.	22.651	35.192	0.00	22.631	24.187
127.	20.804	35.149	0.00	20.780	24.668
155.	19.417	35.109	0.00	19.389	25.006
176.	18.543	35.030	0.00	18.512	25.169
202.	16.543	34.809	0.00	16.510	25.484
248.	14.059	34.414	0.00	14.023	25.730
301.	10.710	34.172	0.00	10.674	26.189
348.	9.172	34.114	0.00	9.134	26.403
450.	6.878	34.128	0.00	6.836	26.754
500.	6.580	34.184	0.00	6.534	26.839
598.	5.850	34.327	0.00	5.798	27.046
698.	5.401	34.422	0.00	5.342	27.177
786.	4.986	34.449	0.00	4.922	27.248
895.	4.584	34.470	0.00	4.513	27.310
921.	4.444	34.490	0.00	4.372	27.341
917.	4.436	34.490	0.00	4.364	27.342
920.	4.432	34.490	0.00	4.360	27.343
917.	4.431	34.492	0.00	4.359	27.344

CAST CG2-91-DI -025 LAT 20 04.0N LONG 154 40.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	23.603	34.970	0.00	23.601	23.738
22.	23.602	34.970	0.00	23.597	23.739
56.	23.459	35.081	0.00	23.447	23.867
74.	22.632	35.187	0.00	22.617	24.187
103.	21.263	35.217	0.00	21.243	24.594
151.	19.104	35.049	0.00	19.077	25.040
202.	16.660	34.769	0.00	16.627	25.426
303.	10.798	34.171	0.00	10.761	26.173
404.	8.421	34.096	0.00	8.379	26.507
498.	6.946	34.189	0.00	6.899	26.794
600.	5.708	34.283	0.00	5.657	27.029
700.	5.234	34.385	0.00	5.176	27.167
793.	5.008	34.452	0.00	4.943	27.247
993.	4.180	34.498	0.00	4.104	27.376
1294.	3.362	34.551	0.00	3.267	27.502
1443.	2.988	34.573	0.00	2.885	27.555
1596.	2.719	34.589	0.00	2.606	27.592
1747.	2.498	34.601	0.00	2.376	27.621
1898.	2.352	34.609	0.00	2.219	27.641
2095.	2.081	34.627	0.00	1.935	27.678
2292.	1.927	34.637	0.00	1.767	27.699
2516.	1.786	34.649	0.00	1.608	27.721

CAST CG2-91-DI -026 LAT 20 22.0N LONG 154 14.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	23.779	34.915	0.00	23.778	23.644
28.	23.784	34.919	0.00	23.778	23.647
49.	23.453	35.017	0.00	23.443	23.820
75.	23.332	35.055	0.00	23.317	23.885
101.	22.646	35.262	0.00	22.626	24.241
124.	22.063	35.345	0.00	22.038	24.471
203.	16.213	34.686	0.00	16.181	25.466
246.	13.956	34.432	0.00	13.921	25.765
303.	11.155	34.207	0.00	11.117	26.137
349.	9.808	34.130	0.00	9.768	26.312
403.	8.595	34.130	0.00	8.552	26.507
498.	7.078	34.196	0.00	7.031	26.781
600.	5.951	34.281	0.00	5.899	26.997
686.	5.730	34.393	0.00	5.671	27.114
800.	5.054	34.435	0.00	4.988	27.229
899.	4.636	34.466	0.00	4.564	27.301
998.	4.221	34.491	0.00	4.144	27.366

CAST CG2-91-DI -027 LAT 20 23.8N LONG 154 14.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
1103.	3.904	34.518	0.00	3.820	27.421
1302.	3.443	34.551	0.00	3.347	27.494
1302.	3.443	34.551	0.00	3.347	27.494
1900.	2.278	34.616	0.00	2.146	27.652
2098.	2.054	34.630	0.00	1.908	27.682
2302.	1.910	34.641	0.00	1.749	27.704
2501.	1.809	34.649	0.00	1.632	27.719
2702.	1.725	34.656	0.00	1.531	27.732
2901.	1.663	34.664	0.00	1.452	27.744
3104.	1.582	34.666	0.00	1.353	27.753
3102.	1.581	34.667	0.00	1.353	27.754
3102.	1.582	34.666	0.00	1.354	27.753
3403.	1.519	34.673	0.00	1.262	27.765
3408.	1.519	34.673	0.00	1.262	27.765
3705.	1.475	34.679	0.00	1.188	27.775
3704.	1.476	34.680	0.00	1.189	27.775
3702.	1.477	34.679	0.00	1.191	27.775
4009.	1.463	34.682	0.00	1.144	27.780
4309.	1.468	34.686	0.00	1.116	27.785
4608.	1.477	34.687	0.00	1.090	27.788
4909.	1.484	34.690	0.00	1.061	27.792
5007.	1.487	34.690	0.00	1.052	27.793
5213.	1.486	34.692	0.00	1.026	27.796

CAST CG2-91-DI -028 LAT 20 42.4N LONG 153 46.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
34.	23.719	34.939	0.00	23.712	23.682
105.	22.999	35.163	0.00	22.978	24.065
492.	7.351	34.178	0.00	7.303	26.729
997.	4.099	34.487	0.00	4.023	27.376
1500.	2.916	34.575	0.00	2.809	27.563
2002.	2.151	34.620	0.00	2.012	27.666
2502.	1.760	34.649	0.00	1.584	27.722
2986.	1.569	34.665	0.00	1.352	27.752
3614.	1.462	34.679	0.00	1.185	27.775
3614.	1.462	34.679	0.00	1.185	27.775
3609.	1.463	34.679	0.00	1.187	27.775
3609.	1.462	34.679	0.00	1.186	27.775
3607.	1.462	34.678	0.00	1.186	27.774
3602.	1.463	34.678	0.00	1.187	27.774
3617.	1.462	34.679	0.00	1.185	27.775
3604.	1.462	34.684	0.00	1.186	27.779
4002.	1.443	34.688	0.00	1.125	27.786
4517.	1.457	34.692	0.00	1.081	27.792
5079.	1.460	34.692	0.00	1.017	27.797

CAST CG2-91-DI -029 LAT 21 36.8N LONG 152 26.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	22.870	35.055	0.00	22.869	24.015
27.	22.871	35.054	0.00	22.865	24.015
51.	22.849	35.055	0.00	22.839	24.023
67.	22.845	35.055	0.00	22.831	24.025
67.	22.845	35.055	0.00	22.831	24.025
152.	19.375	35.128	0.00	19.348	25.031
201.	17.998	35.019	0.00	17.963	25.297
303.	11.215	34.185	0.00	11.177	26.109
400.	8.468	34.070	0.00	8.426	26.480
502.	6.287	34.031	0.00	6.242	26.756
700.	4.764	34.275	0.00	4.709	27.134
900.	4.211	34.468	0.00	4.142	27.348
1150.	3.558	34.531	0.00	3.474	27.466
1400.	2.994	34.566	0.00	2.894	27.548
1699.	2.457	34.598	0.00	2.339	27.622
2002.	2.100	34.624	0.00	1.962	27.673
2501.	1.757	34.650	0.00	1.581	27.723
2999.	1.558	34.668	0.00	1.340	27.755
3000.	1.558	34.667	0.00	1.340	27.754
3505.	1.466	34.679	0.00	1.200	27.774
4005.	1.442	34.686	0.00	1.124	27.785
4508.	1.443	34.690	0.00	1.069	27.792
5008.	1.466	34.694	0.00	1.032	27.797
5375.	1.500	34.694	0.00	1.019	27.798

CAST CG2-91-DI -030 LAT 21 54.9N LONG 152 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	23.143	35.015	0.00	23.141	23.906
23.	23.155	35.013	0.00	23.150	23.902
42.	23.162	35.016	0.00	23.153	23.903
62.	23.150	35.021	0.00	23.137	23.911
81.	22.516	35.153	0.00	22.500	24.194
103.	21.835	35.281	0.00	21.815	24.485
126.	20.716	35.211	0.00	20.692	24.739
151.	19.539	35.164	0.00	19.511	25.016
177.	18.482	35.079	0.00	18.451	25.222
202.	17.204	34.878	0.00	17.170	25.381
252.	14.550	34.511	0.00	14.513	25.701
309.	11.772	34.206	0.00	11.732	26.023

CAST CG2-91-DI -031 LAT 21 55.0N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
350.	9.692	34.100	0.00	9.652	26.308
401.	8.437	34.073	0.00	8.395	26.487
451.	7.274	34.032	0.00	7.231	26.625
498.	6.385	34.035	0.00	6.340	26.747
498.	6.385	34.035	0.00	6.340	26.747
699.	4.847	34.261	0.00	4.791	27.113
699.	4.847	34.261	0.00	4.791	27.113
900.	4.415	34.464	0.00	4.345	27.323
998.	4.083	34.494	0.00	4.007	27.383
1096.	3.800	34.519	0.00	3.718	27.432
1096.	3.800	34.519	0.00	3.718	27.432
1600.	2.658	34.585	0.00	2.546	27.594
1903.	2.200	34.614	0.00	2.069	27.657
2202.	1.938	34.635	0.00	1.785	27.696
2602.	1.705	34.652	0.00	1.521	27.729
3002.	1.542	34.666	0.00	1.324	27.755
3403.	1.477	34.676	0.00	1.221	27.770
3402.	1.478	34.676	0.00	1.222	27.770
3405.	1.476	34.678	0.00	1.220	27.772
3807.	1.450	34.682	0.00	1.153	27.780
4205.	1.451	34.686	0.00	1.111	27.786
4607.	1.456	34.690	0.00	1.070	27.792
5007.	1.477	34.691	0.00	1.043	27.794
5751.	1.556	34.693	0.00	1.025	27.797

CAST CG2-91-DI -032 LAT 22 40.6N LONG 151 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
6.	22.953	34.992	0.00	22.952	23.943
28.	22.958	34.993	0.00	22.952	23.944
49.	22.956	34.991	0.00	22.946	23.944
79.	22.967	34.991	0.00	22.951	23.943
100.	22.829	34.991	0.00	22.809	23.983
147.	19.738	35.135	0.00	19.711	24.942
147.	19.738	35.134	0.00	19.711	24.941
305.	11.594	34.197	0.00	11.555	26.049
399.	8.855	34.077	0.00	8.812	26.425
503.	6.905	34.071	0.00	6.858	26.707
602.	5.663	34.168	0.00	5.612	26.943
701.	5.167	34.274	0.00	5.109	27.087
904.	4.292	34.429	0.00	4.222	27.309
1149.	3.708	34.516	0.00	3.622	27.440
1395.	3.118	34.556	0.00	3.018	27.529
1702.	2.576	34.591	0.00	2.456	27.607
2007.	2.167	34.617	0.00	2.027	27.663
2445.	1.798	34.645	0.00	1.626	27.716
3002.	1.611	34.664	0.00	1.392	27.748
3507.	1.517	34.676	0.00	1.250	27.768
4003.	1.478	34.684	0.00	1.159	27.781
4501.	1.462	34.687	0.00	1.088	27.788
5009.	1.461	34.693	0.00	1.027	27.797
5502.	1.509	34.693	0.00	1.012	27.798

CAST CG2-91-DI -033 LAT 23 59.8N LONG 151 58.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
998.	3.693	34.444	0.00	3.620	27.382
1096.	3.478	34.497	0.00	3.399	27.446
1096.	3.478	34.497	0.00	3.399	27.446
1299.	3.043	34.543	0.00	2.951	27.525
1901.	2.175	34.613	0.00	2.044	27.658
1901.	2.175	34.614	0.00	2.044	27.659
2501.	1.737	34.650	0.00	1.561	27.725
2803.	1.623	34.661	0.00	1.422	27.744
3102.	1.552	34.669	0.00	1.324	27.757
3402.	1.504	34.676	0.00	1.248	27.768
3403.	1.504	34.676	0.00	1.248	27.768
3408.	1.504	34.676	0.00	1.247	27.768
3406.	1.504	34.673	0.00	1.247	27.766
3403.	1.504	34.676	0.00	1.248	27.768
3406.	1.505	34.675	0.00	1.248	27.767
3705.	1.479	34.681	0.00	1.192	27.776
4009.	1.470	34.684	0.00	1.151	27.781
4305.	1.464	34.688	0.00	1.112	27.787
4606.	1.456	34.690	0.00	1.070	27.792
4804.	1.458	34.691	0.00	1.049	27.794
5002.	1.464	34.693	0.00	1.031	27.797
5211.	1.480	34.692	0.00	1.020	27.797
5460.	1.505	34.694	0.00	1.013	27.799

CAST CG2-91-DI -034 LAT 24 00.2N LONG 151 58.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
5.	21.070	35.373	0.00	21.069	24.760
22.	21.064	35.081	0.00	21.060	24.541
41.	21.046	35.375	0.00	21.038	24.770
65.	20.944	35.381	0.00	20.932	24.804
81.	20.923	35.377	0.00	20.907	24.808
100.	18.964	35.133	0.00	18.946	25.138
127.	17.895	35.003	0.00	17.873	25.307
152.	17.012	34.865	0.00	16.987	25.415
178.	15.326	34.644	0.00	15.299	25.632
200.	13.856	34.425	0.00	13.827	25.779
252.	11.625	34.218	0.00	11.593	26.059
300.	10.669	34.179	0.00	10.633	26.202
349.	9.539	34.119	0.00	9.500	26.348
399.	8.441	34.062	0.00	8.399	26.477
500.	6.580	34.014	0.00	6.534	26.705
599.	5.381	34.079	0.00	5.332	26.907
751.	4.487	34.257	0.00	4.429	27.150
909.	3.909	34.385	0.00	3.842	27.313

CAST CG2-91-DI -035 LAT 24 39.9N LONG 152 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
10.	21.921	35.204	0.00	21.919	24.397
27.	21.514	35.328	0.00	21.509	24.605
54.	21.391	35.333	0.00	21.380	24.645
77.	21.008	35.332	0.00	20.993	24.750
101.	20.806	35.342	0.00	20.787	24.814
155.	17.932	34.982	0.00	17.906	25.283
155.	17.932	34.982	0.00	17.906	25.283
301.	10.988	34.148	0.00	10.951	26.121
398.	8.859	34.071	0.00	8.816	26.420
500.	6.600	34.007	0.00	6.554	26.697
600.	5.457	34.069	0.00	5.407	26.890
698.	4.710	34.185	0.00	4.655	27.068
898.	4.084	34.483	0.00	4.016	27.373
1148.	3.438	34.512	0.00	3.355	27.462
1399.	2.948	34.561	0.00	2.849	27.548
1701.	2.496	34.591	0.00	2.378	27.613
2000.	2.105	34.619	0.00	1.967	27.669
2502.	1.740	34.646	0.00	1.564	27.721
3004.	1.564	34.666	0.00	1.345	27.753
3505.	1.500	34.677	0.00	1.233	27.770
4006.	1.473	34.683	0.00	1.154	27.780
4510.	1.469	34.688	0.00	1.094	27.788
5009.	1.469	34.690	0.00	1.035	27.794
5344.	1.498	34.694	0.00	1.021	27.798

CAST CG2-91-DI -036 LAT 25 20.2N LONG 151 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	21.351	35.340	0.00	21.350	24.658
27.	21.358	35.340	0.00	21.353	24.658
55.	21.351	35.349	0.00	21.340	24.668
79.	20.928	35.378	0.00	20.913	24.807
103.	20.682	35.366	0.00	20.663	24.865
153.	18.662	35.087	0.00	18.635	25.181
209.	15.859	34.618	0.00	15.826	25.494
291.	11.877	34.210	0.00	11.840	26.006
398.	8.860	34.080	0.00	8.817	26.427
502.	6.706	34.022	0.00	6.660	26.695
593.	5.494	34.065	0.00	5.444	26.882
707.	4.667	34.200	0.00	4.612	27.085
897.	4.138	34.391	0.00	4.070	27.295
1135.	3.447	34.492	0.00	3.365	27.445
1396.	2.914	34.553	0.00	2.816	27.545
1697.	2.422	34.589	0.00	2.305	27.618
2002.	2.045	34.617	0.00	1.908	27.672
2506.	1.733	34.647	0.00	1.557	27.723
3005.	1.564	34.667	0.00	1.345	27.754
3501.	1.492	34.687	0.00	1.226	27.779
4006.	1.472	34.683	0.00	1.153	27.780
4505.	1.475	34.688	0.00	1.100	27.788
5006.	1.476	34.692	0.00	1.042	27.795
5544.	1.526	34.693	0.00	1.023	27.797

CAST CG2-91-DI -037 LAT 26 00.1N LONG 151 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	20.979	35.375	0.00	20.977	24.787
22.	20.986	35.377	0.00	20.982	24.787
39.	20.988	35.374	0.00	20.980	24.785
61.	20.691	35.375	0.00	20.680	24.868
81.	20.557	35.373	0.00	20.542	24.903
101.	20.402	35.373	0.00	20.383	24.946
126.	20.332	35.366	0.00	20.308	24.960
151.	18.707	35.113	0.00	18.680	25.190
177.	17.338	34.924	0.00	17.308	25.383
200.	15.838	34.694	0.00	15.807	25.557
251.	12.928	34.304	0.00	12.894	25.875
300.	11.385	34.206	0.00	11.347	26.095
352.	10.259	34.146	0.00	10.218	26.248
401.	8.804	34.074	0.00	8.761	26.431
450.	7.798	34.034	0.00	7.753	26.552
500.	6.435	34.002	0.00	6.390	26.714
550.	5.675	34.017	0.00	5.629	26.822
602.	5.182	34.060	0.00	5.133	26.915

CAST CG2-91-DI -038 LAT 26 00.2N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
695.	4.593	34.163	0.00	4.539	27.063
898.	4.114	34.393	0.00	4.046	27.299
1001.	3.830	34.462	0.00	3.756	27.383
1100.	3.615	34.492	0.00	3.534	27.429
1100.	3.615	34.494	0.00	3.534	27.431
1303.	3.154	34.537	0.00	3.061	27.510
1596.	2.594	34.576	0.00	2.483	27.592
1902.	2.165	34.608	0.00	2.034	27.655
2103.	1.977	34.624	0.00	1.832	27.684
2497.	1.691	34.651	0.00	1.517	27.729
2806.	1.592	34.662	0.00	1.392	27.747
3104.	1.531	34.672	0.00	1.304	27.761
3408.	1.493	34.676	0.00	1.236	27.769
3403.	1.493	34.677	0.00	1.237	27.770
3704.	1.474	34.682	0.00	1.187	27.777
4009.	1.466	34.685	0.00	1.147	27.782
4308.	1.465	34.687	0.00	1.113	27.786
4607.	1.467	34.690	0.00	1.081	27.791
4805.	1.474	34.692	0.00	1.064	27.794
5005.	1.477	34.691	0.00	1.043	27.794
5206.	1.491	34.693	0.00	1.032	27.797
5410.	1.514	34.693	0.00	1.028	27.797

CAST CG2-91-DI -039 LAT 26 39.9N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
51.	20.216	35.367	0.00	20.207	24.988
74.	20.208	35.365	0.00	20.194	24.990
74.	20.208	35.365	0.00	20.194	24.990
151.	16.646	34.801	0.00	16.621	25.452
151.	16.646	34.800	0.00	16.621	25.451
302.	10.525	34.141	0.00	10.489	26.198
399.	8.593	34.062	0.00	8.551	26.454
500.	6.677	34.007	0.00	6.631	26.687
600.	5.286	34.057	0.00	5.237	26.900
701.	4.586	34.155	0.00	4.532	27.058
899.	4.118	34.809	0.00	4.049	27.629
1149.	3.398	34.499	0.00	3.315	27.456
1399.	2.922	34.546	0.00	2.823	27.539
1700.	2.405	34.587	0.00	2.288	27.618
1999.	2.036	34.616	0.00	1.899	27.672
2500.	1.691	34.649	0.00	1.516	27.727
3003.	1.550	34.667	0.00	1.332	27.755
3506.	1.498	34.677	0.00	1.231	27.770
4007.	1.474	34.683	0.00	1.155	27.780
4007.	1.474	34.683	0.00	1.155	27.780
5007.	1.488	34.691	0.00	1.053	27.794
5488.	1.529	34.692	0.00	1.033	27.796

CAST CG2-91-DI -040 LAT 27 20.0N LONG 151 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
1150.	3.338	34.481	0.00	3.256	27.447
1399.	2.856	34.546	0.00	2.758	27.545
1699.	2.404	34.586	0.00	2.287	27.617
1999.	2.064	34.614	0.00	1.927	27.668
2518.	1.686	34.649	0.00	1.510	27.728
2999.	1.549	34.667	0.00	1.331	27.755
2999.	1.549	34.667	0.00	1.331	27.755
5005.	1.500	34.690	0.00	1.065	27.792
5740.	1.564	34.693	0.00	1.034	27.796

CAST CG2-91-DI -041 LAT 28 01.4N LONG 151 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
400.	9.960	34.198	0.00	9.914	26.341
447.	8.708	34.075	0.00	8.660	26.447
494.	7.844	34.036	0.00	7.794	26.547
494.	7.844	34.036	0.00	7.794	26.547
701.	4.786	34.077	0.00	4.731	26.974
701.	4.786	34.078	0.00	4.731	26.975
900.	4.009	34.291	0.00	3.942	27.228
999.	3.799	34.363	0.00	3.725	27.307
1100.	3.565	34.422	0.00	3.485	27.378
1301.	3.104	34.508	0.00	3.012	27.491
1600.	2.501	34.572	0.00	2.391	27.597
1802.	2.238	34.596	0.00	2.115	27.639
1802.	2.238	34.596	0.00	2.115	27.639
2302.	1.816	34.637	0.00	1.657	27.707
2504.	1.714	34.648	0.00	1.539	27.725
2800.	1.601	34.660	0.00	1.401	27.744
3090.	1.539	34.668	0.00	1.313	27.757
3393.	1.499	34.674	0.00	1.244	27.767
3699.	1.486	34.679	0.00	1.200	27.774
4103.	1.479	34.684	0.00	1.149	27.781
4103.	1.479	34.684	0.00	1.149	27.781
5120.	1.500	34.692	0.00	1.051	27.794
5500.	1.536	34.691	0.00	1.038	27.795

CAST CG2-91-DI -042 LAT 28 00.0N LONG 151 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	20.031	35.365	0.00	20.030	25.034
22.	20.027	35.363	0.00	20.023	25.034
41.	19.412	35.319	0.00	19.405	25.162
61.	18.892	35.245	0.00	18.881	25.240
81.	18.609	35.201	0.00	18.595	25.279
102.	18.443	35.162	0.00	18.425	25.292
127.	18.343	35.135	0.00	18.321	25.297
154.	17.870	35.036	0.00	17.844	25.339
177.	16.836	34.831	0.00	16.807	25.431
252.	13.601	34.419	0.00	13.565	25.829
200.	15.670	34.662	0.00	15.639	25.570
300.	11.997	34.283	0.00	11.958	26.041
998.	3.692	34.391	0.00	3.619	27.340
1001.	3.700	34.388	0.00	3.627	27.337
1004.	3.691	34.391	0.00	3.618	27.340
1001.	3.700	34.390	0.00	3.627	27.339
999.	3.703	34.388	0.00	3.630	27.337

CAST CG2-91-DI -043 LAT 28 39.8N LONG 151 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
28.	19.045	35.253	0.00	19.040	25.206
102.	19.049	35.252	0.00	19.031	25.207
3505.	1.499	34.677	0.00	1.232	27.770
4543.	1.485	34.684	0.00	1.105	27.784

CAST CG2-91-DI -044 LAT 29 20.7N LONG 151 58.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
76.	19.282	35.283	0.00	19.268	25.170
101.	19.272	35.281	0.00	19.254	25.172
150.	18.528	35.134	0.00	18.502	25.251
202.	14.548	34.520	0.00	14.518	25.707
301.	11.550	34.253	0.00	11.512	26.101
400.	9.635	34.127	0.00	9.590	26.339
499.	7.533	34.029	0.00	7.484	26.586
600.	5.936	34.006	0.00	5.884	26.782
699.	4.946	34.059	0.00	4.890	26.942
898.	4.085	34.282	0.00	4.017	27.213
1112.	3.460	34.441	0.00	3.380	27.403
1396.	2.947	34.524	0.00	2.848	27.519
1698.	2.391	34.582	0.00	2.274	27.615
2002.	2.080	34.610	0.00	1.942	27.664
2502.	1.732	34.644	0.00	1.557	27.720
3003.	1.564	34.664	0.00	1.346	27.752
3509.	1.498	34.676	0.00	1.231	27.769
3509.	1.498	34.676	0.00	1.231	27.769
4104.	1.477	34.683	0.00	1.147	27.781
4104.	1.477	34.683	0.00	1.147	27.781
4607.	1.489	34.688	0.00	1.102	27.788
4607.	1.489	34.687	0.00	1.102	27.787
5431.	1.542	34.692	0.00	1.053	27.794

CAST CG2-91-DI -046 LAT 30 00.0N LONG 152 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
51.	18.874	35.261	0.00	18.865	25.256
100.	18.880	35.259	0.00	18.862	25.255
152.	16.978	34.885	0.00	16.953	25.438
200.	14.599	34.525	0.00	14.569	25.700
299.	11.257	34.208	0.00	11.220	26.119
399.	9.451	34.115	0.00	9.406	26.360
499.	7.691	34.036	0.00	7.641	26.569
601.	5.869	34.006	0.00	5.817	26.790
700.	4.847	34.070	0.00	4.791	26.962
800.	4.356	34.161	0.00	4.295	27.088
898.	4.033	34.272	0.00	3.966	27.211
998.	3.715	34.345	0.00	3.642	27.301
1298.	3.035	34.499	0.00	2.944	27.490
1600.	2.480	34.567	0.00	2.370	27.595
1900.	2.089	34.605	0.00	1.960	27.658
1900.	2.089	34.606	0.00	1.960	27.659
2902.	1.575	34.662	0.00	1.366	27.749
2902.	1.575	34.661	0.00	1.366	27.748
3405.	1.491	34.675	0.00	1.235	27.768
3904.	1.463	34.682	0.00	1.155	27.779
4408.	1.483	34.688	0.00	1.119	27.787
5113.	1.542	34.689	0.00	1.092	27.789
299.	11.257	34.191	0.00	11.220	26.106

CAST CG2-91-DI -047 LAT 30 39.8N LONG 151 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
101.	17.529	34.986	0.00	17.512	25.382
201.	12.952	34.350	0.00	12.925	25.905
302.	10.779	34.208	0.00	10.742	26.205
400.	9.427	34.128	0.00	9.382	26.374
501.	7.497	34.030	0.00	7.448	26.592
650.	5.272	34.010	0.00	5.219	26.865
800.	4.142	34.348	0.00	4.082	27.259
900.	3.797	34.270	0.00	3.731	27.233
1246.	3.073	34.482	0.00	2.985	27.473
1500.	2.627	34.544	0.00	2.524	27.563
1751.	2.209	34.585	0.00	2.090	27.632
2098.	1.877	34.625	0.00	1.734	27.692
2250.	1.791	34.635	0.00	1.637	27.707
2250.	1.791	34.635	0.00	1.637	27.707
2501.	1.671	34.648	0.00	1.497	27.728
2753.	1.578	34.668	0.00	1.383	27.752
3251.	1.481	34.675	0.00	1.240	27.768
3251.	1.481	34.674	0.00	1.240	27.767
3506.	1.463	34.679	0.00	1.197	27.774
3756.	1.457	34.682	0.00	1.165	27.779
4255.	1.473	34.686	0.00	1.127	27.785
4759.	1.503	34.689	0.00	1.097	27.789
5006.	1.528	34.689	0.00	1.092	27.789
5423.	1.570	34.690	0.00	1.081	27.791

CAST CG2-91-DI -048 LAT 31 20.1N LONG 152 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
750.	4.370	34.100	0.00	4.313	27.038
2000.	1.985	34.613	0.00	1.849	27.673
3003.	1.533	34.664	0.00	1.315	27.754
4006.	1.464	34.683	0.00	1.145	27.781
4506.	1.488	34.687	0.00	1.113	27.786
5005.	1.530	34.689	0.00	1.094	27.789
5512.	1.582	34.689	0.00	1.081	27.790

CAST CG2-91-DI -049 LAT 32 10.1N LONG 152 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
499.	7.183	34.016	0.00	7.135	26.625
551.	6.246	33.991	0.00	6.197	26.731
600.	5.533	33.992	0.00	5.483	26.820
651.	5.015	34.016	0.00	4.963	26.899
699.	4.695	34.045	0.00	4.640	26.959
799.	4.164	34.138	0.00	4.104	27.090
899.	3.849	34.227	0.00	3.783	27.193
999.	3.593	34.324	0.00	3.521	27.297
1099.	3.385	34.387	0.00	3.306	27.367
1298.	2.968	34.486	0.00	2.877	27.486
1298.	2.968	34.486	0.00	2.877	27.486
1898.	2.056	34.600	0.00	1.927	27.657
2101.	1.882	34.621	0.00	1.739	27.688
2101.	1.882	34.622	0.00	1.739	27.689
2502.	1.665	34.647	0.00	1.491	27.728
2802.	1.571	34.659	0.00	1.371	27.746
3101.	1.506	34.669	0.00	1.279	27.760
3101.	1.506	34.669	0.00	1.279	27.760
3404.	1.472	34.676	0.00	1.216	27.770
3704.	1.458	34.681	0.00	1.172	27.777
4106.	1.463	34.685	0.00	1.133	27.783
4608.	1.490	34.687	0.00	1.103	27.787
5004.	1.529	34.690	0.00	1.093	27.790

CAST CG2-91-DI -050 LAT 32 10.5N LONG 152 00.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	16.627	34.747	0.00	16.626	25.409
22.	16.636	34.747	0.00	16.632	25.408
42.	16.634	34.746	0.00	16.627	25.408
81.	16.643	34.747	0.00	16.630	25.408
100.	16.642	34.747	0.00	16.626	25.409
124.	16.637	34.747	0.00	16.617	25.411
149.	16.625	34.746	0.00	16.601	25.414
176.	13.070	34.226	0.00	13.046	25.785
249.	11.085	34.192	0.00	11.054	26.137
300.	10.298	34.159	0.00	10.263	26.251
352.	9.668	34.130	0.00	9.628	26.335
402.	8.801	34.087	0.00	8.758	26.442

CAST CG2-91-DI -051 LAT 32 40.0N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
102.	16.580	34.747	0.00	16.563	25.424
202.	12.162	34.226	0.00	12.136	25.963
297.	10.334	34.162	0.00	10.299	26.247
400.	8.767	34.078	0.00	8.724	26.440
502.	7.076	34.003	0.00	7.028	26.630
641.	5.009	34.007	0.00	4.958	26.893
800.	4.062	34.146	0.00	4.003	27.107
898.	3.716	34.249	0.00	3.651	27.224
1247.	3.033	34.466	0.00	2.946	27.464
1499.	2.657	34.533	0.00	2.553	27.552
1499.	2.657	34.535	0.00	2.553	27.554
2101.	1.910	34.618	0.00	1.766	27.684
2251.	1.811	34.629	0.00	1.656	27.701
2251.	1.811	34.630	0.00	1.656	27.702
2753.	1.602	34.656	0.00	1.406	27.741
2753.	1.602	34.656	0.00	1.406	27.741
2753.	1.602	34.656	0.00	1.406	27.741
3252.	1.493	34.671	0.00	1.252	27.764
3504.	1.470	34.677	0.00	1.204	27.772
3753.	1.463	34.681	0.00	1.172	27.777
4256.	1.475	34.685	0.00	1.128	27.784
4757.	1.508	34.688	0.00	1.103	27.788
5008.	1.533	34.689	0.00	1.097	27.789
5605.	1.600	34.690	0.00	1.086	27.790

CAST CG2-91-DI -052 LAT 33 20.0N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
32.	15.527	34.394	0.00	15.522	25.390
127.	12.721	34.134	0.00	12.704	25.781
152.	12.056	34.125	0.00	12.036	25.903
176.	11.641	34.164	0.00	11.619	26.012
176.	11.641	34.164	0.00	11.619	26.012
299.	10.168	34.169	0.00	10.133	26.281
351.	9.327	34.121	0.00	9.288	26.384
451.	7.674	34.033	0.00	7.629	26.569
550.	6.125	33.989	0.00	6.077	26.744
550.	6.125	33.989	0.00	6.077	26.744
751.	4.300	34.092	0.00	4.243	27.039
850.	3.900	34.190	0.00	3.838	27.158
1001.	3.531	34.316	0.00	3.459	27.296
1001.	3.531	34.317	0.00	3.459	27.297
1247.	3.030	34.454	0.00	2.943	27.454
1247.	3.030	34.453	0.00	2.943	27.454
1373.	2.815	34.493	0.00	2.720	27.506
1373.	2.815	34.493	0.00	2.720	27.506
1999.	1.983	34.608	0.00	1.847	27.670
3003.	1.543	34.663	0.00	1.325	27.752
4007.	1.468	34.682	0.00	1.149	27.780
5008.	1.531	34.690	0.00	1.095	27.790
5008.	1.531	34.689	0.00	1.095	27.789
5525.	1.585	34.690	0.00	1.082	27.791

CAST CG2-91-DI -053 LAT 34 00.1N LONG 152 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	15.536	34.400	0.00	15.535	25.392
54.	15.516	34.395	0.00	15.508	25.394
251.	10.761	34.202	0.00	10.731	26.203
402.	8.495	34.059	0.00	8.453	26.467
402.	8.495	34.059	0.00	8.453	26.467
598.	5.734	33.992	0.00	5.683	26.796
700.	4.678	34.046	0.00	4.623	26.961
803.	4.045	34.145	0.00	3.986	27.108
1000.	3.406	34.320	0.00	3.335	27.311
1000.	3.406	34.320	0.00	3.335	27.311
1499.	2.578	34.535	0.00	2.475	27.560
1499.	2.578	34.535	0.00	2.475	27.560
2252.	1.798	34.631	0.00	1.643	27.703
2500.	1.684	34.644	0.00	1.510	27.724
2754.	1.599	34.656	0.00	1.403	27.741
3253.	1.498	34.671	0.00	1.257	27.764
3508.	1.477	34.677	0.00	1.211	27.772
3756.	1.466	34.680	0.00	1.174	27.776
4255.	1.475	34.685	0.00	1.129	27.784
4503.	1.490	34.687	0.00	1.115	27.786
4759.	1.508	34.688	0.00	1.102	27.788
5004.	1.531	34.689	0.00	1.095	27.789
5632.	1.603	34.691	0.00	1.085	27.791
5632.	1.603	34.690	0.00	1.086	27.791

CAST CG2-91-DI -055 LAT 35 36.5N LONG 152 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
6.	14.725	33.928	0.00	14.724	25.206
76.	14.617	33.965	0.00	14.606	25.260
123.	13.369	33.996	0.00	13.352	25.545
151.	11.518	33.943	0.00	11.499	25.862
176.	10.648	33.964	0.00	10.627	26.035
200.	10.269	33.990	0.00	10.246	26.122
302.	9.078	34.048	0.00	9.045	26.366
351.	8.447	34.030	0.00	8.410	26.451
453.	7.057	33.988	0.00	7.014	26.620
547.	5.563	33.988	0.00	5.517	26.812
647.	4.536	34.059	0.00	4.487	26.986
748.	4.090	34.130	0.00	4.035	27.091
847.	3.692	34.220	0.00	3.631	27.203
1073.	3.224	34.368	0.00	3.149	27.367
1175.	3.081	34.439	0.00	2.999	27.437
4006.	1.475	34.683	0.00	1.156	27.780
5011.	1.535	34.687	0.00	1.098	27.787
5760.	1.623	34.690	0.00	1.088	27.790

CAST CG2-91-DI -056 LAT 36 17.8N LONG 152 02.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	14.396	33.862	0.00	14.395	25.225
53.	14.309	33.882	0.00	14.301	25.261
53.	14.309	33.882	0.00	14.301	25.261
404.	7.998	34.023	0.00	7.957	26.513
601.	5.238	33.994	0.00	5.189	26.856
2252.	1.833	34.622	0.00	1.678	27.694
3502.	1.493	34.675	0.00	1.227	27.769
4759.	1.515	34.688	0.00	1.109	27.787

CAST CG2-91-DI -057 LAT 37 11.0N LONG 151 58.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
451.	7.519	34.011	0.00	7.475	26.574
499.	6.920	33.994	0.00	6.873	26.644
549.	6.142	33.981	0.00	6.094	26.736
600.	5.668	33.987	0.00	5.617	26.800
650.	5.141	34.002	0.00	5.088	26.874
699.	4.741	34.037	0.00	4.686	26.947
798.	4.112	34.122	0.00	4.053	27.082
899.	3.739	34.208	0.00	3.674	27.189
998.	3.448	34.273	0.00	3.377	27.270
1074.	3.255	34.324	0.00	3.180	27.329
1249.	2.939	34.410	0.00	2.853	27.427
1497.	2.598	34.503	0.00	2.495	27.533
1749.	2.296	34.561	0.00	2.176	27.606
2001.	2.061	34.594	0.00	1.924	27.652
2252.	1.865	34.619	0.00	1.709	27.689
2501.	1.730	34.635	0.00	1.555	27.713
2752.	1.622	34.651	0.00	1.426	27.735
2752.	1.622	34.650	0.00	1.426	27.735
3504.	1.488	34.674	0.00	1.222	27.768
4008.	1.478	34.682	0.00	1.159	27.779
4507.	1.504	34.686	0.00	1.128	27.784
5008.	1.544	34.688	0.00	1.107	27.787
5620.	1.610	34.689	0.00	1.094	27.789

CAST CG2-91-DI -058 LAT 37 09.9N LONG 151 57.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	14.436	33.881	0.00	14.435	25.232
23.	14.424	33.881	0.00	14.421	25.235
43.	14.321	33.887	0.00	14.315	25.262
62.	13.990	33.892	0.00	13.981	25.335
81.	13.868	33.902	0.00	13.856	25.369
102.	14.012	33.998	0.00	13.997	25.414
102.	14.012	33.999	0.00	13.997	25.415
151.	11.869	33.984	0.00	11.850	25.829
176.	11.346	34.044	0.00	11.324	25.973
250.	10.136	34.124	0.00	10.107	26.250
306.	9.247	34.067	0.00	9.213	26.354
351.	8.682	34.038	0.00	8.645	26.421
396.	8.148	34.027	0.00	8.108	26.494

CAST CG2-91-DI -059 LAT 37 59.9N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	13.461	33.771	0.00	13.460	25.349
76.	13.382	33.786	0.00	13.372	25.379
126.	11.513	34.008	0.00	11.497	25.913
151.	11.036	34.030	0.00	11.018	26.017
176.	10.921	34.116	0.00	10.900	26.106
201.	10.518	34.108	0.00	10.494	26.171
299.	9.185	34.081	0.00	9.152	26.375
348.	8.239	34.012	0.00	8.203	26.468
450.	6.950	33.988	0.00	6.908	26.634
549.	5.713	33.982	0.00	5.667	26.790
649.	4.810	34.033	0.00	4.759	26.936
749.	4.247	34.103	0.00	4.191	27.053
851.	3.861	34.173	0.00	3.799	27.149
924.	3.616	34.229	0.00	3.550	27.218
1075.	3.299	34.310	0.00	3.223	27.314
1174.	3.065	34.371	0.00	2.983	27.385
1174.	3.065	34.372	0.00	2.983	27.385
1174.	3.065	34.373	0.00	2.983	27.386
1499.	2.594	34.499	0.00	2.491	27.530
2000.	2.013	34.596	0.00	1.877	27.658
3002.	1.554	34.660	0.00	1.336	27.749
4005.	1.477	34.681	0.00	1.158	27.778
4755.	1.516	34.687	0.00	1.111	27.786
5022.	1.545	34.688	0.00	1.107	27.788

CAST CG2-91-DI -060 LAT 38 40.2N LONG 151 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
6.	13.018	33.655	0.00	13.017	25.348
51.	12.524	33.632	0.00	12.517	25.428
101.	11.693	33.708	0.00	11.680	25.646
251.	9.401	34.076	0.00	9.373	26.335
399.	7.496	34.005	0.00	7.457	26.571
497.	6.133	33.976	0.00	6.089	26.732
600.	5.153	34.007	0.00	5.105	26.876
699.	4.401	34.073	0.00	4.348	27.012
699.	4.401	34.075	0.00	4.348	27.014
998.	3.392	34.284	0.00	3.322	27.284
1246.	2.919	34.412	0.00	2.833	27.431
1496.	2.569	34.501	0.00	2.467	27.534
1749.	2.273	34.556	0.00	2.154	27.604
2248.	1.845	34.614	0.00	1.690	27.686
2500.	1.717	34.634	0.00	1.542	27.713
2751.	1.641	34.646	0.00	1.445	27.730
3252.	1.533	34.665	0.00	1.291	27.756
3505.	1.499	34.674	0.00	1.232	27.768
3755.	1.485	34.677	0.00	1.193	27.773
4254.	1.491	34.683	0.00	1.144	27.781
4508.	1.510	34.685	0.00	1.134	27.783
4756.	1.530	34.686	0.00	1.124	27.785
5007.	1.550	34.687	0.00	1.113	27.786
5353.	1.581	34.689	0.00	1.100	27.789

CAST CG2-91-DI -061 LAT 39 21.0N LONG 151 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	12.891	33.660	0.00	12.890	25.377
33.	12.793	33.652	0.00	12.789	25.391
77.	12.628	33.655	0.00	12.618	25.427
127.	10.928	33.796	0.00	10.913	25.854
152.	10.345	33.846	0.00	10.327	25.995
177.	10.174	33.942	0.00	10.154	26.100
202.	10.121	34.057	0.00	10.098	26.199
202.	10.121	34.056	0.00	10.098	26.199
349.	8.130	34.013	0.00	8.094	26.485
349.	8.130	34.013	0.00	8.094	26.485
450.	6.912	33.983	0.00	6.870	26.636
652.	4.728	34.039	0.00	4.677	26.950
652.	4.728	34.040	0.00	4.677	26.951
819.	3.666	34.192	0.00	3.608	27.183
924.	3.556	34.241	0.00	3.490	27.233
1075.	3.195	34.329	0.00	3.120	27.338
1075.	3.195	34.330	0.00	3.120	27.339
1500.	2.546	34.501	0.00	2.444	27.536
1999.	2.025	34.593	0.00	1.888	27.654
3002.	1.568	34.658	0.00	1.350	27.747
4008.	1.487	34.681	0.00	1.168	27.778
5005.	1.567	34.685	0.00	1.130	27.784
5513.	1.615	34.687	0.00	1.113	27.786

CAST CG2-91-DI -062 LAT 40 00.9N LONG 151 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	11.880	33.502	0.00	11.879	25.449
52.	11.766	33.501	0.00	11.759	25.471
103.	10.972	33.808	0.00	10.960	25.855
251.	8.952	34.036	0.00	8.925	26.375
400.	7.018	33.978	0.00	6.981	26.617
501.	5.874	33.969	0.00	5.831	26.759
600.	4.925	34.016	0.00	4.878	26.909
701.	4.331	34.102	0.00	4.278	27.043
701.	4.331	34.103	0.00	4.278	27.044
999.	3.339	34.294	0.00	3.269	27.297
1248.	2.878	34.419	0.00	2.792	27.440
1749.	2.269	34.553	0.00	2.150	27.602
2250.	1.835	34.617	0.00	1.680	27.690
2250.	1.835	34.617	0.00	1.680	27.690
2749.	1.630	34.649	0.00	1.434	27.733
3252.	1.523	34.666	0.00	1.281	27.758
3252.	1.523	34.667	0.00	1.281	27.759
3506.	1.498	34.673	0.00	1.231	27.767
3755.	1.488	34.683	0.00	1.196	27.777
4255.	1.504	34.685	0.00	1.157	27.782
4506.	1.522	34.686	0.00	1.146	27.783
4758.	1.545	34.685	0.00	1.138	27.783
5007.	1.567	34.689	0.00	1.130	27.787
5277.	1.597	34.689	0.00	1.125	27.787

CAST CG2-91-DI -063 LAT 40 40.5N LONG 152 01.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
32.	11.369	33.510	0.00	11.365	25.550
127.	10.071	33.889	0.00	10.056	26.075
150.	9.802	33.964	0.00	9.785	26.179
200.	9.371	34.045	0.00	9.349	26.315
300.	7.746	33.985	0.00	7.716	26.518
351.	7.234	33.972	0.00	7.201	26.581
449.	6.164	33.953	0.00	6.125	26.710
549.	5.212	33.995	0.00	5.168	26.859
648.	4.487	34.071	0.00	4.438	27.001
750.	4.060	34.148	0.00	4.005	27.108
849.	3.712	34.216	0.00	3.651	27.198
923.	3.503	34.260	0.00	3.438	27.254
1073.	3.165	34.333	0.00	3.090	27.344
1176.	2.939	34.379	0.00	2.858	27.402
1376.	2.635	34.450	0.00	2.542	27.487
1502.	2.482	34.486	0.00	2.380	27.529
1502.	2.482	34.486	0.00	2.380	27.529
1999.	1.986	34.589	0.00	1.850	27.654
3000.	1.570	34.658	0.00	1.352	27.746
4007.	1.488	34.682	0.00	1.169	27.778
4007.	1.488	34.682	0.00	1.169	27.778
5066.	1.583	34.686	0.00	1.138	27.784

CAST CG2-91-DI -064 LAT 41 21.0N LONG 152 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	11.478	33.537	0.00	11.477	25.551
54.	11.348	33.533	0.00	11.341	25.572
102.	10.100	33.825	0.00	10.088	26.020
250.	7.980	33.990	0.00	7.955	26.488
400.	6.273	33.951	0.00	6.238	26.694
500.	5.336	33.983	0.00	5.295	26.835
599.	4.633	34.053	0.00	4.587	26.971
699.	4.137	34.127	0.00	4.085	27.083
798.	3.833	34.192	0.00	3.775	27.166
998.	3.252	34.312	0.00	3.183	27.319
1250.	2.795	34.530	0.00	2.710	27.536
1500.	2.453	34.485	0.00	2.352	27.531
1752.	2.189	34.546	0.00	2.071	27.602
2251.	1.844	34.613	0.00	1.689	27.686
2501.	1.733	34.632	0.00	1.558	27.711
2752.	1.635	34.647	0.00	1.439	27.731
3254.	1.516	34.667	0.00	1.274	27.759
3254.	1.516	34.667	0.00	1.274	27.759
3756.	1.483	34.678	0.00	1.191	27.774
4258.	1.498	34.684	0.00	1.151	27.781
4506.	1.518	34.685	0.00	1.142	27.783
4757.	1.546	34.686	0.00	1.139	27.784
5007.	1.574	34.686	0.00	1.136	27.784
5281.	1.608	34.686	0.00	1.135	27.784

CAST CG2-91-DI -065 LAT 41 59.9N LONG 151 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
42.	9.875	33.222	0.00	9.870	25.586
798.	3.699	34.218	0.00	3.642	27.200
849.	3.560	34.245	0.00	3.500	27.236
900.	3.450	34.271	0.00	3.387	27.267
998.	3.209	34.319	0.00	3.140	27.329
1248.	2.769	34.414	0.00	2.684	27.446
1500.	2.423	34.493	0.00	2.322	27.539
1748.	2.168	34.549	0.00	2.050	27.606
1748.	2.168	34.549	0.00	2.050	27.606
2249.	1.853	34.612	0.00	1.698	27.684
2499.	1.739	34.631	0.00	1.564	27.709
2750.	1.643	34.646	0.00	1.447	27.730
2750.	1.643	34.645	0.00	1.447	27.729
3503.	1.495	34.674	0.00	1.229	27.768
4007.	1.488	34.682	0.00	1.169	27.778
4007.	1.488	34.682	0.00	1.169	27.778
4515.	1.519	34.686	0.00	1.142	27.784
4756.	1.546	34.686	0.00	1.139	27.784
5143.	1.593	34.690	0.00	1.138	27.787

CAST CG2-91-DI -066 LAT 41 59.6N LONG 151 59.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	10.046	33.230	0.00	10.045	25.563
8.	10.046	33.230	0.00	10.045	25.563
8.	10.050	33.229	0.00	10.049	25.561
8.	10.044	33.227	0.00	10.043	25.561
23.	10.034	33.224	0.00	10.031	25.560
61.	9.802	33.191	0.00	9.795	25.574
82.	9.466	33.267	0.00	9.457	25.689
103.	9.004	33.706	0.00	8.993	26.106
128.	8.910	33.809	0.00	8.896	26.202
151.	8.689	33.862	0.00	8.673	26.279
176.	8.821	34.002	0.00	8.802	26.368
203.	8.480	34.011	0.00	8.459	26.428
251.	7.883	33.982	0.00	7.858	26.495
299.	7.245	33.966	0.00	7.217	26.575
350.	6.404	33.928	0.00	6.373	26.658
449.	5.490	33.929	0.00	5.453	26.773
502.	5.032	33.958	0.00	4.992	26.850
552.	4.774	33.989	0.00	4.731	26.904
600.	4.541	34.030	0.00	4.495	26.962
649.	4.314	34.087	0.00	4.265	27.032
691.	4.157	34.119	0.00	4.106	27.074
749.	3.949	34.167	0.00	3.894	27.134

CAST CG2-91-DI -067 LAT 42 40.8N LONG 151 58.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	9.646	33.098	0.00	9.645	25.526
31.	9.639	33.099	0.00	9.636	25.528
78.	9.263	33.200	0.00	9.255	25.669
126.	8.136	33.737	0.00	8.123	26.264
151.	8.289	33.846	0.00	8.274	26.327
175.	8.265	33.951	0.00	8.247	26.413
202.	7.859	33.976	0.00	7.839	26.494
301.	6.429	33.915	0.00	6.402	26.644
347.	5.789	33.900	0.00	5.760	26.713
450.	5.035	33.949	0.00	5.000	26.842
549.	4.581	34.043	0.00	4.539	26.968
649.	4.182	34.117	0.00	4.134	27.070
749.	3.870	34.187	0.00	3.816	27.158
848.	3.609	34.240	0.00	3.549	27.227
922.	3.419	34.277	0.00	3.354	27.275
1074.	3.086	34.345	0.00	3.012	27.361
1176.	2.883	34.390	0.00	2.803	27.416
1331.	2.648	34.437	0.00	2.558	27.475
1500.	2.452	34.488	0.00	2.351	27.533
1999.	1.990	34.585	0.00	1.854	27.651
3002.	1.574	34.658	0.00	1.355	27.746
4006.	1.483	34.683	0.00	1.164	27.780
5008.	1.572	34.686	0.00	1.134	27.784
5222.	1.598	34.688	0.00	1.133	27.786

CAST CG2-91-DI -068 LAT 43 20.0N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	9.284	33.062	0.00	9.283	25.556
8.	9.284	33.062	0.00	9.283	25.556
50.	9.257	33.062	0.00	9.252	25.561
100.	8.782	33.147	0.00	8.772	25.703
250.	7.083	33.942	0.00	7.060	26.577
400.	5.336	33.904	0.00	5.304	26.771
500.	4.842	33.980	0.00	4.803	26.889
597.	4.320	34.060	0.00	4.276	27.010
698.	4.026	34.150	0.00	3.975	27.113
797.	3.642	34.227	0.00	3.586	27.213
998.	3.180	34.323	0.00	3.111	27.335
1248.	2.759	34.414	0.00	2.674	27.446
1499.	2.420	34.491	0.00	2.319	27.538
1750.	2.163	34.545	0.00	2.045	27.604
1750.	2.163	34.545	0.00	2.045	27.604
1750.	2.163	34.545	0.00	2.045	27.604
2500.	1.714	34.632	0.00	1.539	27.712
2500.	1.714	34.633	0.00	1.539	27.713
2751.	1.623	34.647	0.00	1.427	27.732
3753.	1.477	34.684	0.00	1.185	27.779
4255.	1.492	34.686	0.00	1.145	27.783
4504.	1.513	34.688	0.00	1.137	27.785
4757.	1.539	34.685	0.00	1.133	27.783
5009.	1.569	34.687	0.00	1.131	27.785

CAST CG2-91-DI -069 LAT 44 25.1N LONG 151 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	8.615	32.994	0.00	8.614	25.607
31.	8.612	32.996	0.00	8.609	25.610
79.	8.584	33.003	0.00	8.576	25.620
127.	7.179	33.513	0.00	7.167	26.225
153.	7.758	33.752	0.00	7.743	26.332
177.	7.994	33.950	0.00	7.976	26.453
202.	7.484	33.965	0.00	7.465	26.539
202.	7.484	33.965	0.00	7.465	26.539
349.	5.421	33.950	0.00	5.393	26.797
549.	4.457	34.045	0.00	4.416	26.983
649.	4.122	34.122	0.00	4.074	27.080
749.	3.794	34.192	0.00	3.740	27.170
848.	3.517	34.251	0.00	3.457	27.244
923.	3.340	34.287	0.00	3.276	27.290
1073.	3.017	34.357	0.00	2.944	27.377
1173.	2.864	34.392	0.00	2.784	27.419
1375.	2.594	34.455	0.00	2.501	27.494
1499.	2.424	34.489	0.00	2.323	27.536
1999.	1.974	34.581	0.00	1.838	27.649
3002.	1.570	34.656	0.00	1.352	27.745
4008.	1.476	34.681	0.00	1.157	27.778

CAST CG2-91-DI -070 LAT 45 00.1N LONG 151 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
9.	8.408	32.959	0.00	8.407	25.611
50.	8.409	32.960	0.00	8.404	25.613
102.	8.161	33.110	0.00	8.151	25.768
252.	6.114	33.871	0.00	6.092	26.649
400.	4.748	33.883	0.00	4.718	26.821
500.	4.449	34.003	0.00	4.412	26.950
600.	4.054	34.082	0.00	4.011	27.055
699.	3.837	34.173	0.00	3.787	27.150
799.	3.559	34.240	0.00	3.503	27.231
1500.	2.430	34.486	0.00	2.329	27.533
2751.	1.636	34.644	0.00	1.440	27.729
3253.	1.531	34.664	0.00	1.289	27.756
3756.	1.477	34.678	0.00	1.185	27.774
4257.	1.488	34.672	0.00	1.141	27.772
4506.	1.507	34.685	0.00	1.131	27.783
4763.	1.533	34.680	0.00	1.126	27.780

CAST CG2-91-DI -071 LAT 45 41.0N LONG 151 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
750.	3.572	34.219	0.00	3.520	27.213
799.	3.465	34.245	0.00	3.409	27.244
923.	3.218	34.311	0.00	3.155	27.321
1073.	2.937	34.371	0.00	2.864	27.395
1173.	2.772	34.406	0.00	2.693	27.438
1374.	2.538	34.460	0.00	2.446	27.503
1498.	2.394	34.491	0.00	2.294	27.540
3004.	1.588	34.653	0.00	1.369	27.741
4006.	1.481	34.680	0.00	1.162	27.777
5007.	1.562	34.686	0.00	1.125	27.785
5336.	1.602	34.686	0.00	1.122	27.785

CAST CG2-91-DI -072 LAT 45 41.1N LONG 151 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	7.947	32.876	0.00	7.946	25.614
32.	7.946	32.875	0.00	7.943	25.614
75.	7.886	32.873	0.00	7.879	25.621
126.	6.478	33.329	0.00	6.467	26.173
150.	6.585	33.594	0.00	6.572	26.369
175.	6.470	33.780	0.00	6.455	26.531
199.	6.229	33.837	0.00	6.212	26.607
302.	5.047	33.840	0.00	5.024	26.753
348.	4.718	33.866	0.00	4.692	26.811
450.	4.275	33.953	0.00	4.242	26.928
550.	4.046	34.076	0.00	4.006	27.051
647.	3.794	34.146	0.00	3.748	27.132

CAST CG2-91-DI -073 LAT 46 20.2N LONG 151 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	7.850	32.878	0.00	7.849	25.630
102.	7.497	32.863	0.00	7.487	25.669
251.	5.467	33.816	0.00	5.447	26.685
400.	4.410	33.918	0.00	4.381	26.886
499.	4.209	34.032	0.00	4.173	26.998
599.	3.963	34.127	0.00	3.920	27.100
699.	3.694	34.193	0.00	3.645	27.180
800.	3.469	34.249	0.00	3.413	27.247
999.	3.018	34.351	0.00	2.950	27.372
1250.	2.655	34.431	0.00	2.571	27.469
1499.	2.389	34.495	0.00	2.288	27.544
1752.	2.155	34.542	0.00	2.037	27.602
2250.	1.843	34.607	0.00	1.688	27.681
2503.	1.727	34.628	0.00	1.552	27.708
2753.	1.649	34.642	0.00	1.452	27.726
2753.	1.649	34.642	0.00	1.452	27.726
3504.	1.508	34.670	0.00	1.241	27.764
3756.	1.488	34.672	0.00	1.196	27.769
4256.	1.491	34.683	0.00	1.144	27.781
4750.	1.531	34.685	0.00	1.126	27.784
5009.	1.559	34.689	0.00	1.122	27.787
5454.	1.615	34.686	0.00	1.120	27.785

CAST CG2-91-DI -074 LAT 47 00.3N LONG 151 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
5.	7.566	32.844	0.00	7.566	25.643
5.	7.566	32.845	0.00	7.566	25.644
5.	7.566	32.844	0.00	7.566	25.643
42.	7.568	32.847	0.00	7.564	25.646
82.	7.134	32.807	0.00	7.127	25.675
101.	6.475	33.311	0.00	6.466	26.159
127.	6.448	33.413	0.00	6.437	26.243
151.	6.436	33.545	0.00	6.423	26.349
178.	6.050	33.738	0.00	6.035	26.551
203.	5.764	33.805	0.00	5.747	26.640
252.	5.152	33.815	0.00	5.132	26.721
303.	4.746	33.891	0.00	4.723	26.827
351.	4.447	33.904	0.00	4.421	26.870
403.	4.352	33.966	0.00	4.323	26.930

CAST CG2-91-DI -075 LAT 47 00.0N LONG 152 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
449.	4.213	33.975	0.00	4.181	26.952
501.	4.119	34.027	0.00	4.083	27.004
549.	4.018	34.074	0.00	3.979	27.052
599.	3.914	34.116	0.00	3.871	27.096
649.	3.810	34.158	0.00	3.764	27.140
649.	3.810	34.185	0.00	3.764	27.162
749.	3.579	34.220	0.00	3.527	27.213
798.	3.439	34.255	0.00	3.384	27.255
899.	3.240	34.308	0.00	3.178	27.316
997.	3.055	34.345	0.00	2.987	27.363
1074.	2.915	34.376	0.00	2.842	27.401
1250.	2.667	34.434	0.00	2.583	27.470
1497.	2.398	34.490	0.00	2.298	27.539
1748.	2.189	34.540	0.00	2.071	27.598
1998.	2.000	34.580	0.00	1.864	27.646
2250.	1.865	34.606	0.00	1.709	27.678
2500.	1.761	34.625	0.00	1.585	27.703
2753.	1.667	34.639	0.00	1.470	27.723
3254.	1.551	34.664	0.00	1.308	27.754
3254.	1.551	34.664	0.00	1.308	27.754
4008.	1.488	34.682	0.00	1.169	27.778
4509.	1.516	34.690	0.00	1.139	27.787
5007.	1.561	34.688	0.00	1.124	27.786
5235.	1.589	34.688	0.00	1.123	27.786

* Calculated from CTD values

CAST CG2-91-DI -076 LAT 47 39.9N LONG 152 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
30.	6.359	32.667	0.00	6.357	25.665
76.	6.362	32.666	0.00	6.356	25.665
123.	5.006	33.185	0.00	4.997	26.237
149.	5.829	33.712	0.00	5.817	26.558
174.	5.544	33.794	0.00	5.530	26.657
200.	5.190	33.785	0.00	5.174	26.692
300.	4.266	33.814	0.00	4.245	26.818
352.	4.177	33.883	0.00	4.152	26.882
452.	3.877	33.993	0.00	3.845	27.001
547.	3.779	34.076	0.00	3.741	27.077
648.	3.677	34.174	0.00	3.632	27.166
746.	3.446	34.239	0.00	3.395	27.241
848.	3.252	34.291	0.00	3.194	27.301
923.	3.102	34.324	0.00	3.039	27.342
1076.	2.838	34.391	0.00	2.766	27.420
1175.	2.716	34.417	0.00	2.637	27.452
1371.	2.458	34.470	0.00	2.367	27.517
1495.	2.349	34.496	0.00	2.249	27.548
2000.	1.975	34.581	0.00	1.839	27.649
3002.	1.595	34.654	0.00	1.376	27.741
4006.	1.486	34.682	0.00	1.167	27.779
5004.	1.565	34.689	0.00	1.128	27.787
5004.	1.565	34.689	0.00	1.128	27.787
5161.	1.584	34.686	0.00	1.127	27.785

CAST CG2-91-DI -077 LAT 48 19.5N LONG 152 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
52.	5.985	32.630	0.00	5.981	25.683
103.	5.849	32.626	0.00	5.841	25.697
253.	4.141	33.770	0.00	4.123	26.795
401.	3.809	33.928	0.00	3.781	26.955
499.	3.790	33.928	0.00	3.755	26.958
600.	3.663	34.057	0.00	3.621	27.074
702.	3.459	34.230	0.00	3.411	27.232
799.	3.262	34.280	0.00	3.208	27.291
1251.	2.565	34.446	0.00	2.482	27.488
1498.	2.339	34.499	0.00	2.239	27.551
1751.	2.148	34.543	0.00	2.030	27.603
2249.	1.843	34.607	0.00	1.688	27.681
2249.	1.843	34.607*	0.00	1.688*	27.681*
2500.	1.743	34.625	0.00	1.568	27.704
2751.	1.655	34.641	0.00	1.458	27.725
3254.	1.546	34.662	0.00	1.304	27.753
3501.	1.503	34.672	0.00	1.237	27.766
3755.	1.484	34.677	0.00	1.192	27.773
4255.	1.497	34.684	0.00	1.150	27.781
4506.	1.517	34.684	0.00	1.141	27.782
4758.	1.539	34.686	0.00	1.132	27.784
5119.	1.581	34.687	0.00	1.129	27.785
6.	6.026	32.631	0.00	6.026	25.678

CAST CG2-91-DI -078 LAT 53 29.7N LONG 152 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
35.	4.046	32.776	0.00	4.044	26.013
64.	4.034	32.776	0.00	4.030	26.014
101.	4.084	33.593	0.00	4.077	26.659
149.	4.187	33.795	0.00	4.177	26.810
202.	4.023	33.899	0.00	4.009	26.909
298.	3.856	34.006	0.00	3.836	27.012
402.	3.729	34.108	0.00	3.702	27.107
496.	3.591	34.169	0.00	3.557	27.169
601.	3.358	34.250	0.00	3.318	27.257
697.	3.184	34.295	0.00	3.138	27.310
802.	3.000	34.340	0.00	2.947	27.363
951.	2.791	34.387	0.00	2.729	27.420
1200.	2.491	34.458	0.00	2.412	27.504
1447.	2.281	34.508	0.00	2.186	27.563
1693.	2.114	34.545	0.00	2.001	27.607
2000.	1.905	34.590	0.00	1.770	27.661
2502.	1.698	34.630	0.00	1.523	27.712
2998.	1.574	34.655	0.00	1.356	27.744
3500.	1.501	34.672	0.00	1.235	27.766
4005.	1.494	34.678	0.00	1.175	27.775
4505.	1.508	34.687	0.00	1.132	27.785
4764.	1.526	34.686	0.00	1.119	27.785

CAST CG2-91-DI -079 LAT 54 39.8N LONG 151 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.440	32.876	0.00	3.440	26.150
32.	3.439	32.876	0.00	3.437	26.151
63.	3.445	32.876	0.00	3.441	26.150
100.	3.456	32.893	0.00	3.450	26.163
153.	4.189	33.815	0.00	4.178	26.825
202.	4.070	33.918	0.00	4.056	26.920
301.	3.912	34.022	0.00	3.891	27.019
402.	3.775	34.109	0.00	3.747	27.103
503.	3.588	34.186	0.00	3.554	27.183
601.	3.410	34.240	0.00	3.369	27.244
699.	3.238	34.288	0.00	3.191	27.299
796.	3.073	34.327	0.00	3.020	27.346
897.	2.930	34.364	0.00	2.870	27.389
999.	2.796	34.394	0.00	2.730	27.426
1199.	2.528	34.451	0.00	2.449	27.495
1451.	2.281	34.507	0.00	2.185	27.562
1699.	2.090	34.550	0.00	1.977	27.613
2003.	1.914	34.587	0.00	1.779	27.658
2499.	1.709	34.653	0.00	1.534	27.729
3004.	1.590	34.653	0.00	1.371	27.741
3004.	1.590	34.653	0.00	1.371	27.741
3506.	1.516	34.669	0.00	1.249	27.762
4006.	1.510	34.678	0.00	1.190	27.774
4352.	1.505	34.684	0.00	1.147	27.782

CAST CG2-91-DI -080 LAT 55 26.7N LONG 152 37.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
449.	3.647	34.171	0.00	3.616	27.165
500.	3.557	34.203	0.00	3.523	27.200
550.	3.474	34.230	0.00	3.437	27.230
600.	3.390	34.255	0.00	3.350	27.258
649.	3.314	34.274	0.00	3.270	27.281
701.	3.234	34.297	0.00	3.187	27.307
800.	3.051	34.334	0.00	2.998	27.354
901.	2.917	34.365	0.00	2.857	27.391
997.	2.764	34.398	0.00	2.698	27.431
1075.	2.652	34.423	0.00	2.581	27.462
1248.	2.412	34.475	0.00	2.331	27.524
1498.	2.162	34.532	0.00	2.064	27.592
1749.	1.990	34.569	0.00	1.874	27.636
1998.	1.869	34.595	0.00	1.735	27.668
2251.	1.755	34.617	0.00	1.601	27.695
2502.	1.671	34.634	0.00	1.497	27.717
2751.	1.595	34.649	0.00	1.400	27.736
3005.	1.550	34.657	0.00	1.332	27.747
3502.	1.485	34.673	0.00	1.219	27.768
3502.	1.485	34.673	0.00	1.219	27.768
4507.	1.483	34.687	0.00	1.108	27.787
4507.	1.483	34.686	0.00	1.108	27.786
5007.	1.510	34.691	0.00	1.075	27.792
5245.	1.531	34.691	0.00	1.065	27.793

CAST CG2-91-DI -081 LAT 55 27.3N LONG 152 33.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.140	32.861	0.00	3.140	26.166
23.	3.140	32.861	0.00	3.139	26.166
34.	3.122	32.861	0.00	3.120	26.167
42.	3.086	32.860	0.00	3.084	26.170
62.	3.054	32.860	0.00	3.050	26.173
83.	3.036	32.859	0.00	3.031	26.174
103.	3.036	32.864	0.00	3.030	26.178
121.	4.096	33.638	0.00	4.088	26.694
141.	4.128	33.819	0.00	4.118	26.835
161.	4.108	33.882	0.00	4.097	26.887
182.	4.070	33.921	0.00	4.057	26.922
201.	4.045	33.948	0.00	4.031	26.946
248.	3.990	33.998	0.00	3.973	26.992
301.	3.912	34.047	0.00	3.891	27.039
350.	3.843	34.086	0.00	3.819	27.078
350.	3.843	34.087	0.00	3.819	27.078

CAST CG2-91-DI -082 LAT 55 51.9N LONG 152 55.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.670	32.664	0.00	3.670	25.960
33.	3.654	32.670	0.00	3.652	25.967
62.	3.305	32.845	0.00	3.301	26.138
99.	3.260	32.863	0.00	3.254	26.157
149.	4.144	33.656	0.00	4.134	26.704
149.	4.144	33.656	0.00	4.134	26.704
175.	4.132	33.845	0.00	4.120	26.855
201.	4.072	33.886	0.00	4.058	26.894
300.	3.970	34.006	0.00	3.949	27.001
400.	3.902	34.106	0.00	3.874	27.088
499.	3.710	34.153	0.00	3.676	27.145
601.	3.548	34.220	0.00	3.507	27.215
697.	3.400	34.270	0.00	3.352	27.270
795.	3.217	34.309	0.00	3.163	27.319
898.	3.047	34.346	0.00	2.987	27.364
997.	2.885	34.376	0.00	2.818	27.403
1198.	2.616	34.435	0.00	2.537	27.475
1449.	2.303	34.502	0.00	2.207	27.556
1698.	2.095	34.548	0.00	1.982	27.611
1698.	2.095	34.548	0.00	1.982	27.611
2500.	1.697	34.630	0.00	1.522	27.712
3000.	1.579	34.654	0.00	1.361	27.743
3502.	1.496	34.672	0.00	1.230	27.766
3502.	1.496	34.672	0.00	1.230	27.766

CAST CG2-91-DI -083 LAT 56 01.6N LONG 153 02.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.574	32.594	0.00	3.573	25.913
32.	3.548	32.592	0.00	3.546	25.914
61.	3.460	32.583	0.00	3.456	25.916
102.	3.999	32.725	0.00	3.992	25.978
112.	4.508	32.871	0.00	4.500	26.042
127.	4.516	32.946	0.00	4.507	26.101
151.	5.415	33.357	0.00	5.403	26.327
200.	4.959	33.825	0.00	4.944	26.750
251.	4.611	33.879	0.00	4.593	26.832
300.	4.404	33.929	0.00	4.382	26.894
401.	4.013	34.007	0.00	3.985	26.998
501.	3.911	34.108	0.00	3.876	27.089
600.	3.707	34.183	0.00	3.665	27.170
700.	3.504	34.238	0.00	3.456	27.234
798.	3.326	34.287	0.00	3.271	27.291
898.	3.156	34.323	0.00	3.095	27.336
996.	2.977	34.359	0.00	2.910	27.382
1096.	2.814	34.395	0.00	2.741	27.425
1096.	2.814	34.395	0.00	2.741	27.425
1400.	2.440	34.474	0.00	2.347	27.522
1598.	2.237	34.518	0.00	2.130	27.575
1799.	2.074	34.554	0.00	1.953	27.618
1940.	1.923	34.584	0.00	1.793	27.655

CAST CG2-91-DI -084 LAT 56 14.5N LONG 153 10.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.850	32.639	0.00	3.850	25.923
31.	3.855	32.641	0.00	3.853	25.924
62.	3.861	32.642	0.00	3.857	25.925
101.	4.154	32.734	0.00	4.147	25.969
152.	5.321	33.256	0.00	5.309	26.258
201.	5.636	33.538	0.00	5.620	26.444
301.	4.762	33.866	0.00	4.739	26.806
400.	4.177	33.977	0.00	4.148	26.957
500.	4.025	34.073	0.00	3.989	27.050
599.	3.826	34.140	0.00	3.784	27.124
699.	3.651	34.196	0.00	3.602	27.187
699.	3.651	34.196	0.00	3.602	27.187
798.	3.443	34.309	0.00	3.388	27.297
899.	3.189	34.326	0.00	3.128	27.335
933.	3.059	34.333	0.00	2.996	27.353
933.	3.059	34.334	0.00	2.996	27.354

CAST CG2-91-DI -085 LAT 56 17.7N LONG 153 13.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
7.	3.696	32.659	0.00	3.696	25.954
21.	3.697	32.663	0.00	3.696	25.957
29.	3.717	32.667	0.00	3.715	25.958
51.	3.745	32.686	0.00	3.742	25.971
78.	3.658	32.697	0.00	3.653	25.988
98.	3.714	32.714	0.00	3.708	25.996
126.	4.056	32.785	0.00	4.048	26.020
126.	4.056	32.786	0.00	4.048	26.021
178.	4.809	33.151	0.00	4.796	26.232
200.	5.334	33.135	0.00	5.318	26.161
222.	5.298	33.720	0.00	5.281	26.628
239.	5.125	33.763	0.00	5.106	26.683

CAST CG2-91-DI -086 LAT 55 04.2N LONG 152 17.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
8.	3.539	32.827	0.00	3.538	26.102
32.	3.520	32.828	0.00	3.518	26.105
65.	3.280	32.836	0.00	3.276	26.134
101.	3.512	33.070	0.00	3.506	26.299
101.	3.512	33.070	0.00	3.506	26.299
151.	4.109	33.844	0.00	4.099	26.857
202.	4.012	33.922	0.00	3.998	26.929
301.	3.865	34.023	0.00	3.844	27.025
399.	3.758	34.109	0.00	3.731	27.105
502.	3.595	34.174	0.00	3.561	27.173
599.	3.442	34.231	0.00	3.401	27.234
702.	3.204	34.288	0.00	3.157	27.302
799.	3.026	34.332	0.00	2.973	27.354
900.	2.880	34.368	0.00	2.821	27.397
1000.	2.748	34.400	0.00	2.682	27.434
1199.	2.524	34.451	0.00	2.445	27.496
1447.	2.255	34.514	0.00	2.160	27.570
1699.	2.098	34.550	0.00	1.985	27.612
2001.	1.936	34.585	0.00	1.801	27.655
2001.	1.936	34.585	0.00	1.801	27.655
3000.	1.600	34.652	0.00	1.381	27.739
3504.	1.510	34.649	0.00	1.243	27.747
4003.	1.497	34.679	0.00	1.178	27.775
4173.	1.502	34.682	0.00	1.164	27.779

CAST CG2-91-DI -087 LAT 52 30.0N LONG 152 01.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP (C)	SIG-TH
32.	4.107	32.714	0.00	4.105	25.958
62.	4.064	32.718	0.00	4.060	25.965
106.	4.361	33.330	0.00	4.354	26.422
131.	4.346	33.764	0.00	4.337	26.768
152.	4.119	33.842	0.00	4.109	26.854
203.	3.944	33.910	0.00	3.930	26.926
299.	3.784	34.007	0.00	3.764	27.020
399.	3.744	34.106	0.00	3.717	27.104
499.	3.553	34.176	0.00	3.519	27.179
600.	3.385	34.236	0.00	3.345	27.243
701.	3.198	34.289	0.00	3.151	27.304
803.	3.037	34.329	0.00	2.984	27.351
899.	2.890	34.366	0.00	2.831	27.394
1003.	2.756	34.398	0.00	2.690	27.432
1201.	2.543	34.448	0.00	2.464	27.492
1448.	2.293	34.506	0.00	2.198	27.560
1698.	2.114	34.544	0.00	2.001	27.606
1999.	1.941	34.582	0.00	1.806	27.652
2502.	1.710	34.628	0.00	1.535	27.709
2502.	1.710	34.628	0.00	1.535	27.709
3004.	1.577	34.653	0.00	1.358	27.742
3509.	1.494	34.672	0.00	1.227	27.766
4005.	1.482	34.681	0.00	1.163	27.778
4508.	1.495	34.686	0.00	1.119	27.785

*U.S. GOVERNMENT PRINTING OFFICE:1995-673-018/00096