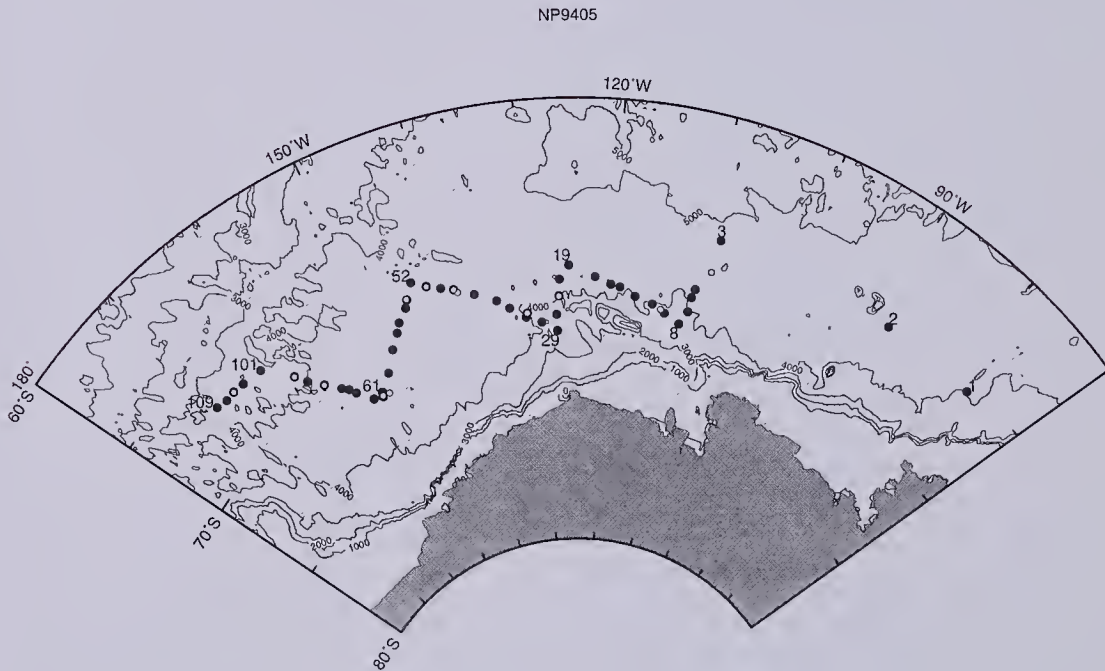


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# Oceanographic Data beneath South Pacific Sea Ice *N.B. Palmer Cruise 9405, September-October 1994*

C.F. Giulivi, S.S. Jacobs, E. Gorman, S. Sutherland and H.H. Hellmer



Technical Report LDEO-99-1  
Lamont-Doherty Earth Observatory of Columbia University  
Palisades, New York



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## **Introduction**

This report includes the primary ocean station data collected in the Pacific sector of the Southern Ocean during cruise 9405 of the *Nathaniel B. Palmer*. The cruise began on 10 September 1994, in Punta Arenas, Chile and ended on 16 October in Lyttleton, New Zealand (Hellmer et al. 1995). Here we describe data acquisition and reduction procedures for the vertical profiling of conductivity - temperature - depth (CTD) and dissolved oxygen, and the processing of water samples for salinity, oxygen, nutrients, carbon dioxide and chlorofluorocarbons. All CTD stations were occupied in the late winter/early spring sea ice field, in a zonal band extending from 65-72°S (Fig. 1). Originally intended as a winter reoccupation of the stations and track of NBP 9402 (Jacobs et al. 1994; Giulivi & Jacobs 1997), the work was subsequently combined with the second of two cruises focusing on sea ice properties (Jeffries et al. 1995). In addition, the sea ice and its snow cover effectively limited this cruise to the region north of the Antarctic continental shelf. Nevertheless, 16 deep stations sampled on cruise 9402 and on World Ocean Circulation Experiment (WOCE) lines S4 and P19S were revisited. The overall project objective was to obtain the first modern measurements in this largely unsampled region, at its seasonal extremes, in order to better understand the large-scale stratification and circulation, and ice-ocean interactions.



**Figure 1.** Distribution of CTD stations taken during cruise NP9405. Closed circles indicate the locations of casts where water samples were taken. The bottom bathymetry in meters is taken from the Etopo-5 data set.

### CTD/Rosette Data Acquisition

Vertical profiles of temperature, conductivity and oxygen were made at the locations in Fig. 1, with time-series profiling at 10 sites for a total of 109 casts. A SeaBird 911<sup>+</sup> system with Seasoft 4.035 data acquisition software was used for the CTD measurements, with seawater pumped past the conductivity cell. The data were acquired at a rate of 24 Hz, with pressure, temperature and conductivity supplemented by measurements of dissolved oxygen.

At 51 stations, up to twenty-four 10-liter and 5-liter General Oceanics and Ocean Test Equipment water bottles were mounted on a General Oceanics rosette above the CTD for water sampling. Depending on water column characteristics, various depths were sampled during the CTD ascent (upcast) for salinity, dissolved oxygen, nutrients (phosphate, silicate and nitrate), carbon dioxide, oxygen isotopes, chlorophyll and chlorofluorocarbons (CFCs). 'Baked' o-rings were utilized for the CFC work. Substantial problems were encountered with the available water bottles, necessitating continual repair and monitoring to ensure sample integrity. Most stations were shallow, allowing sample loss to be minimized by double tripping, and the better bottles were used at the deeper levels.

**Table 1.** NP9405 CTD stations. From left to right, read: station, number of bottles closed, time series station, GMT date and time, station coordinates and maximum CTD depth. Station 65 is missing.

ST	BTL	TS	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	MAXDPH
1	4	-	94/09/14	23:50	-65.499	-76.997	4166
2	22	-	94/09/16	8:04	-65.666	-88.007	4580
3	11	-	94/09/18	19:06	-65.497	-108.498	990
4		-	94/09/19	7:30	-66.986	-108.554	4563
5	23	-	94/09/20	3:27	-67.936	-109.915	3892
6	12	-	94/09/20	12:10	-68.326	-110.120	986
7	12	-	94/09/20	21:21	-68.985	-110.137	988
8	24	-	94/09/21	23:47	-69.615	-110.906	3579
9	9	-	94/09/22	12:13	-69.289	-113.004	988
10	-	1	94/09/22	19:29	-68.986	-114.753	988
11	-	2	94/09/22	20:16	-68.976	-114.747	986
12	-	3	94/09/22	20:58	-68.970	-114.741	987
13	-	4	94/09/22	21:43	-68.965	-114.737	988
14	8	-	94/09/22	22:26	-68.959	-114.735	993
15	9	-	94/09/23	5:47	-68.739	-116.996	996
16	8	-	94/09/23	13:29	-68.399	-119.003	986
17	17	-	94/09/23	19:27	-68.309	-120.128	4184
18	9	-	94/09/24	6:32	-68.006	-122.014	1272
19	19	-	94/09/24	21:11	-67.494	-125.263	4295
20	7	-	94/09/25	10:40	-68.137	-126.435	985
21	-	1	94/09/25	19:39	-68.892	-126.614	987
22	-	2	94/09/25	20:25	-68.887	-126.604	987
23	-	3	94/09/25	21:10	-68.883	-126.596	991
24	-	4	94/09/25	21:57	-68.878	-126.587	989
25	-	5	94/09/25	22:41	-68.875	-126.579	988
26	-	6	94/09/25	23:25	-68.875	-126.579	988
27	10	7	94/09/26	0:05	-68.871	-126.557	987
28	8	-	94/09/26	10:43	-69.703	-126.964	1353
29	17	-	94/09/26	21:37	-70.436	-126.970	3716
30	8	-	94/09/27	9:43	-70.018	-128.991	986
31	7	-	94/09/27	18:09	-69.730	-130.999	979
32	-	1	94/09/27	21:53	-69.543	-130.828	986
33	-	2	94/09/27	22:35	-69.542	-130.830	986
34	-	3	94/09/27	23:20	-69.542	-130.832	987
35	-	4	94/09/28	0:02	-69.542	-130.832	985
36	6	5	94/09/28	0:43	-69.542	-130.832	987
37	7	-	94/09/28	13:06	-69.219	-133.010	987
38	22	-	94/09/28	22:50	-68.806	-134.423	4366
39	9	-	94/09/29	15:30	-68.320	-136.985	989
40	-	-	94/09/30	14:34	-68.041	-138.949	987
41	-	1	94/09/30	21:32	-67.843	-139.329	985
42	-	2	94/09/30	22:15	-67.853	-139.324	986
43	-	3	94/09/30	22:56	-67.853	-139.324	985
44	-	4	94/09/30	23:37	-67.868	-139.319	987
45	12	5	94/10/01	0:25	-67.878	-139.316	987
46	9	-	94/10/01	11:27	-67.645	-140.774	987
47	-	1	94/10/01	21:36	-67.343	-142.315	987
48	-	2	94/10/01	22:23	-67.357	-142.321	986
49	-	3	94/10/01	23:06	-67.368	-142.322	985
50	-	4	94/10/01	23:48	-67.373	-142.322	991

51	10	5	94/10/02	0:40	-67.385	-142.320	988
52	23	-	94/10/02	9:39	-67.000	-143.917	3800
53	-	1	94/10/02	21:42	-67.628	-145.064	988
54	-	2	94/10/02	22:29	-67.642	-145.065	987
55	12	3	94/10/02	23:16	-67.655	-145.065	987
56	9	-	94/10/03	6:54	-67.983	-145.517	989
57	10	-	94/10/03	15:19	-68.496	-146.885	984
58	21	-	94/10/03	21:26	-68.885	-147.648	4357
59	9	-	94/10/04	11:34	-69.483	-149.017	987
60	20	-	94/10/04	23:12	-70.363	-150.829	4308
61	7	-	94/10/05	12:47	-71.004	-152.810	985
62	-	1	94/10/05	20:34	-71.213	-153.111	985
63	-	2	94/10/05	21:23	-71.210	-153.099	985
64	-	3	94/10/05	22:11	-71.208	-153.089	989
66	-	4	94/10/05	23:43	-71.205	-153.075	986
67	-	5	94/10/06	0:28	-71.205	-153.075	986
68	12	6	94/10/06	1:16	-71.202	-153.060	986
69	-	7	94/10/06	3:24	-71.197	-153.040	987
70	-	8	94/10/06	4:12	-71.196	-153.030	987
71	-	9	94/10/06	5:05	-71.195	-153.022	986
72	-	10	94/10/06	5:56	-71.196	-153.015	987
73	-	11	94/10/06	6:55	-71.196	-153.008	974
74	7	12	94/10/06	7:52	-71.196	-153.003	986
75	-	13	94/10/06	9:59	-71.195	-152.991	988
76	-	14	94/10/06	10:49	-71.194	-152.987	986
77	-	15	94/10/06	11:39	-71.193	-152.983	987
78	-	16	94/10/06	12:39	-71.193	-153.000	987
79	7	17	94/10/06	13:38	-71.192	-152.978	986
80	-	18	94/10/06	15:53	-71.187	-152.970	987
81	-	19	94/10/06	16:48	-71.185	-152.963	999
82	-	20	94/10/06	17:42	-71.182	-152.956	986
83	-	21	94/10/06	18:30	-71.179	-152.953	988
84	-	22	94/10/06	19:13	-71.175	-152.949	493
85	23	23	94/10/06	19:37	-71.172	-152.949	4300
86	8	-	94/10/07	4:22	-71.088	-154.312	987
87	12	-	94/10/07	15:53	-70.450	-155.985	987
88	17	-	94/10/07	23:40	-70.132	-156.549	4053
89	9	-	94/10/08	13:22	-69.909	-157.346	987
90	-	-	94/10/08	23:14	-69.358	-159.001	1004
91	-	1	94/10/09	0:02	-69.349	-158.990	988
92	-	2	94/10/09	0:44	-69.341	-158.982	986
93	-	3	94/10/09	1:32	-69.331	-158.974	985
94	9	4	94/10/09	2:17	-69.322	-158.967	988
95	9	-	94/10/09	13:06	-68.767	-160.436	986
96	-	1	94/10/09	23:25	-68.236	-161.485	987
97	-	2	94/10/10	0:13	-68.236	-161.448	987
98	-	3	94/10/10	0:58	-68.234	-161.416	984
99	-	4	94/10/10	1:41	-68.232	-161.387	988
100	12	5	94/10/10	2:23	-68.230	-161.363	989
101	24	-	94/10/10	21:43	-67.047	-164.030	3978
102	24	-	94/10/11	14:01	-66.985	-166.568	3458
103	-	1	94/10/11	23:14	-66.946	-167.985	987
104	-	2	94/10/12	0:01	-66.946	-167.985	989
105	-	3	94/10/12	0:44	-66.946	-167.994	988
106	-	4	94/10/12	1:30	-66.946	-168.002	1226
107	10	5	94/10/12	2:20	-66.947	-168.017	987
108	23	-	94/10/12	10:01	-66.999	-169.246	3552
109	23	-	94/10/12	21:11	-66.947	-170.586	2969

## **CTD sensor calibrations and data processing**

CTD data were processed using Seasoftware version 4.211, following standard procedures (SeaBird Electronics 1995). Oxygen current and oxygen temperature were advanced by 3 seconds relative to pressure. The records were scanned twice to remove data beyond 2 and 5 standard deviations in 100-point segments and edited to remove pressure reversals due to ship roll or CTD descent during stops for bottle closure. Data obtained during both descent and ascent were processed, with bottle depth files generated from data averaged over 3 seconds around bottle closure time. We retain and report temperature and salinity data taken during both CTD descent and ascent because ship movement during station often results in different but valid data in each mode, bottles are tripped during the ascent, and because the ascent data are valuable on time-series casts, which comprised the majority on this cruise.

The temperature, conductivity, pressure and oxygen sensors were calibrated before and after the cruise by Sea-Bird Electronics, and corrections were applied to the data based on those calibrations. The conductivity was corrected by applying the pre-cruise calibration coefficients and a slope correction (1.000037). Temperatures were corrected by applying the pre-cruise calibration coefficients and a small offset (0.0007). Pressure measurements were adjusted by applying a slope (0.99971) and an offset (-0.0624). After those corrections, the mean rosette-CTD salinity difference is 0.0014 with standard deviation of 0.0016 for all data at pressures greater than 500 dbar.

After pressure, temperature and conductivity corrections had been applied, the CTD oxygen data were processed with post-cruise calibration coefficients. Batches of profiles, descent and ascent, aggregated by similar residual differences between the CTD and water sample oxygen values, were further adjusted toward the bottle data, using polynomial fitting procedures. Due to equilibration problems, the bottle data better fit the CTD-ascent oxygen values, which are thus reported here, except for station 4. It may also be noted that anomalous drifts, offsets and roundings remain in the CTD-O profiles, particularly at shallower levels. Average differences of 0.002 (0.06 standard deviation) were obtained between all rosette bottle oxygen and corrected CTD oxygen below 500 dbar.

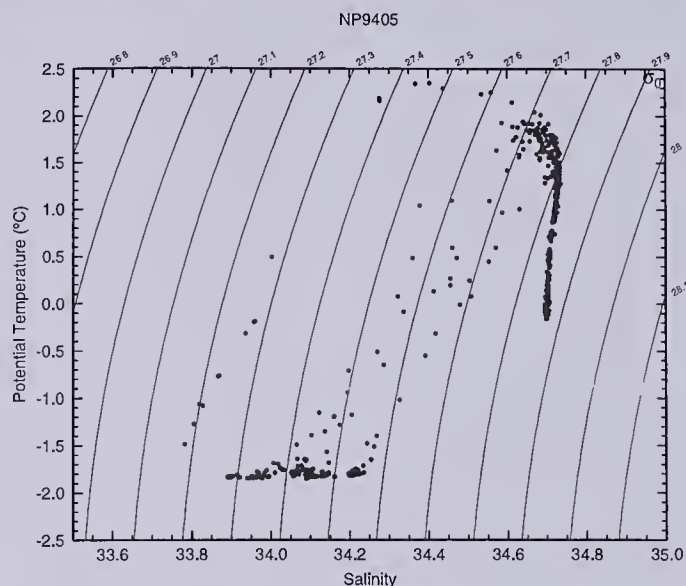
The upper few meters of many casts were removed during processing, and a 5-point running mean applied after averaging into 1-dbar bins. UNESCO (1981, 1983) algorithms were used to compute potential temperature, salinity and density.

## **Water sample analyses**

### **Salinity**

To monitor performance of the CTD conductivity sensor and confirm bottle trip depths, ~550 salinity samples were processed on Guildline 8400 and 8400A Autosol salinometers, standardized with IAPSO Standard Seawater batch P122. That batch may have an offset of -0.0009 (Aoyama et al. 1998). Salinity samples drawn into 120

ml bottles were allowed to equilibrate with the laboratory temperature, typically 0-3 degrees below the Autosal bath temperature (24°C). Salinity was calculated according to the Practical Salinity Scale of 1978 (UNESCO, 1981), using three or more conductivity ratio determinations.



**Figure 2.** Bottle salinity vs. potential temperature from the CTD, with isopycnals of potential density referenced to the sea surface. The lower-salinity near-surface data and the higher temperatures at the temperature maximum were encountered on the earlier, more northerly stations in the Bellingshausen sector (Fig. 1).

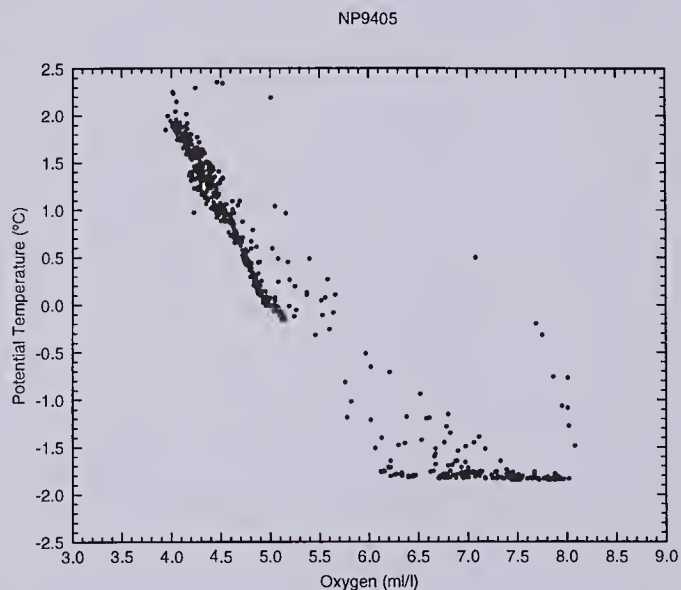
Among the 535 bottle samples reported here, sixteen differ from the corrected CTD salinities by  $>0.007$ . The remainder shows a mean bottle minus CTD difference of  $-0.0006$ . As this value is small relative to standard seawater offset and related problems (Gouretski & Jancke 2000, and references therein), no bottle-salinity adjustment was made to the sensor-calibrated CTD data. An experiment conducted during the cruise showed that restandardization at the end of a 'run' with the (resealed) standard seawater vials opened at the start of that run could introduce apparent drift errors of 0.005.

## Dissolved oxygen

Dissolved oxygen measurements were made with an automatic photometric titration system developed and constructed at the Scripps Institution of Oceanography (SIO). Dissolved oxygen samples were either drawn first, or immediately after chlorofluorocarbon samples, and analyzed following the WOCE operations manual (Culberson, 1991). The data were corrected for blank and thiosulfate drift. Measurements using the Scripps titrator were compared with those obtained using an automated amperometric oxygen titrator (Langdon & Bitte 1995). In one set of experiments, eight replicate oxygen samples from the same near-surface bottle were divided between the titrators on stations 68 and 74. Differences between the means of



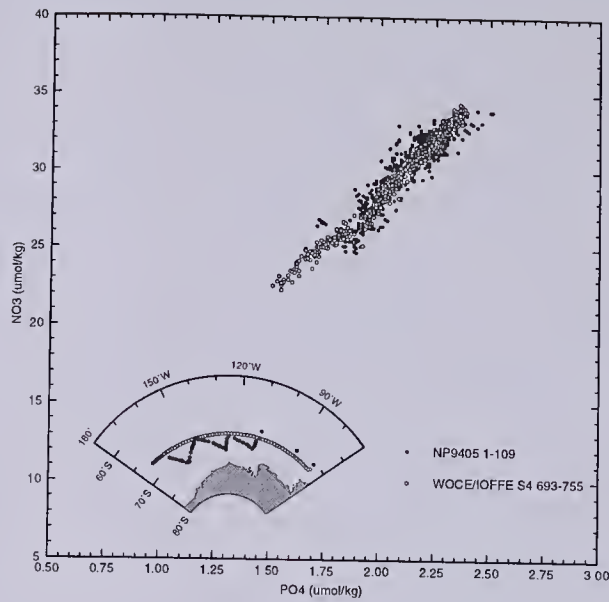
0.19 and 0.03  $\mu\text{M}/\text{kg}$  compared favorably with the 0.13-0.23  $\mu\text{M}/\text{kg}$  standard deviation within each set. Another experiment evaluated differences over a range of oxygen concentrations (196-281  $\mu\text{M}/\text{kg}$ ) using duplicate samples from all water bottles on stations 102 and 109 and obtaining +0.4 and -0.3  $\mu\text{M}/\text{kg}$ . This falls within a  $\pm 2$   $\mu\text{M}/\text{kg}$  range resulting from an intercomparison of five groups organized by the WOCE program (Joyce et al. 1992).



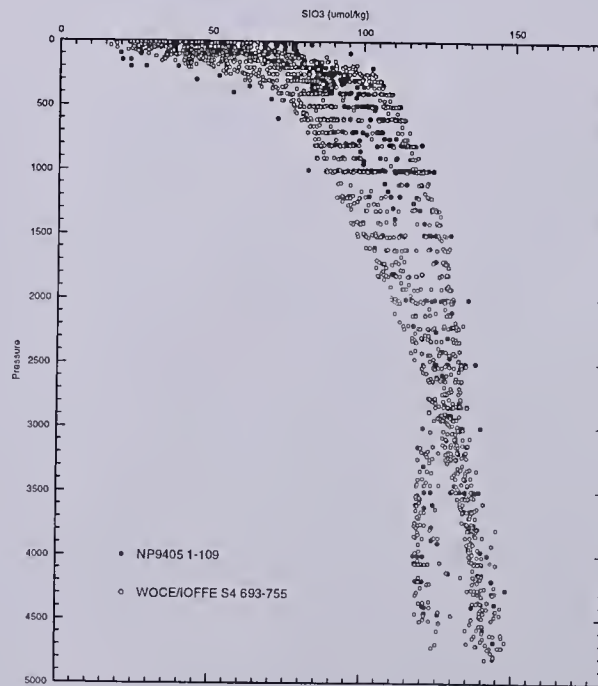
**Figure 3.** Bottle dissolved oxygen vs. potential temperature from the CTD. The higher oxygen content and warmer temperatures were encountered on the early stations, as in Fig 2.

## Nutrients

Phosphate, nitrate (+nitrite) and silicate analyses were made on ~1600 samples, each processed in replicate on the ship's Alpkem Rapid Flow Analyzer (RFA-2). The phosphate analysis procedure was a modification of Bernhardt and Wilhelms (1967). The nitrate and silicate procedures followed or modified techniques in Armstrong et al. (1967). With few exceptions, the RFA software was used for calculations, including baseline corrections, replicate averages and the calibration to working standards. A variety of problems related to the hardware, software, analytical procedures and laboratory temperature compromised the nutrient data quality, as on NP9402 (Giulivi & Jacobs 1997). In general, the 9405 measurements are less noisy than those on 9402, but display more scatter than WOCE nutrient data in the same region (Fig's 4-5).



**Figure 4.** Nitrate vs. phosphate for NP9405 (all data) and for the WOCE/IOFFE S4 stations shown in the inset. The WOCE measurements were made in open water in February - March; the NP 9405 measurements under sea ice in September - October.

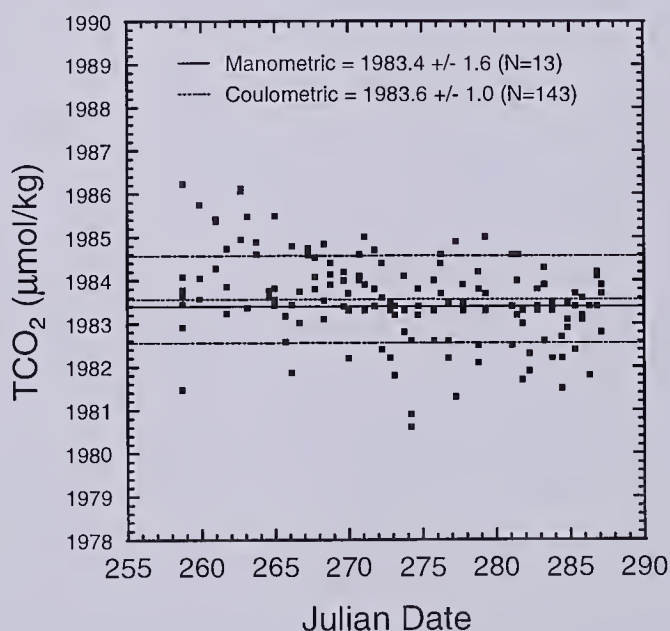


**Figure 5.** As in Fig. 4, but for silicate vs. depth.

## Carbon Dioxide

Total dissolved carbon dioxide (Total CO<sub>2</sub>) and the partial pressure of CO<sub>2</sub> (pCO<sub>2</sub>) were measured on 651 water samples from the sampled CTD/rosette casts, as on NBP 9402. In addition, quasi-continuous measurements of the surface water pCO<sub>2</sub> were made during the transit portions of the cruise outside the area of extensive ice cover.

The total CO<sub>2</sub> measurements were made using a Lamont-designed and built extraction and calibration system and a commercial CO<sub>2</sub> coulometer. The seawater samples were injected into a stripping chamber using syringes adapted to give constant, reproducible volumes of ~20ml. Calibration of the coulometer was by means of injection of known quantities of pure CO<sub>2</sub> into the carrier gas upstream of the extraction system. As a check on the calibration, samples of Calibrated Reference Material (CRM, provided by A Dickson of SIO) were injected and analyzed in the same manner as seawater samples (Fig. 6).



**Figure 6.** Comparison between the observed mean value of 143 injections of Calibrated Reference Material during the cruise (1983.60 ± 1.0 µmol/kg), and the nominal value for this CRM batch (#20) of 1983.40 ± 1.6 (13 manometric analyses from the laboratory of CD Keeling of SIO). On the basis of this comparison, the analyses of seawater made during the cruise should be accurate to better than 1 µmol/kg, on average.

The pCO<sub>2</sub> analyses were also made using a Lamont-designed and built system, based on a Shimadzu gas chromatograph equipped with ruthenium methanization catalyst and flame ionization detector. Pairs of samples were equilibrated at a temperature of 4.00°C with known amounts of air, an aliquot of which was then injected into the carrier gas stream of the chromatograph for analysis. After each sample of the

pair had been equilibrated and analyzed twice, three calibration gases (mixtures of CO<sub>2</sub> in air) were injected (using the same loop) and analyzed. The areas of the CO<sub>2</sub> peaks for the first and second runs of a given sample were compared, and re-equilibrated a 3<sup>rd</sup> and 4<sup>th</sup> time if more than 0.25% different from the mean. Since <20% of the samples required re-analysis, precision is estimated to be ~ ±0.15% (1 rms deviation). As there is no reference material for pCO<sub>2</sub> analysis, the absolute accuracy of the analyses cannot be demonstrated in the same manner as for TCO<sub>2</sub>. Shipboard standard gases were calibrated at Lamont against a primary set of standards, which were in turn calibrated in the Keeling laboratory against a set of WMO standards. Equilibration at atmospheric pressure was maintained by means of a vent (with isolation coil) to the laboratory environment, the pressure of which was determined with a high-accuracy electronic barometer. Equilibration bath temperature was determined by means of a thermometer calibrated against one traceable to NIST.

The methods outlined above were taken from a description by D Chipman in Hellmer et al. (1994). See also Chipman et al. (1993). The TCO<sub>2</sub> and pCO<sub>2</sub> data in this report have appeared previously in Rubin et al. (1997; 1998), but some corrections have been made since that time. The pCO<sub>2</sub> values reported here are in units of microatmospheres at 4.00°C, the temperature of measurement. To obtain pCO<sub>2</sub> values at other temperatures, see Takahashi et al. (1993).

## **Chlorofluorocarbons**

Chlorofluorocarbon (CFC) samples were drawn into 200 cc precision ground glass syringes from the rosette bottles and then transferred into 60 cc glass ampoules and flame sealed under an ultra high pure nitrogen atmosphere (Busenberg and Plummer 1992). The samples were returned to Lamont and stored in the dark at a temperature of 2-4°C until analysis. The ampoules were opened under an ultra high pure nitrogen atmosphere and a 20 cc aliquot introduced in an automated purge and trap system interfaced to a gas chromatograph with an electron capture detector. The gas chromatography was carried out using a 40 inch x 1/8 inch diameter precolumn of Porasil B, a 60 inch x 1/8 inch diameter main column of Carbograph-1AC and a 4 inch x 1/8 inch diameter post column of molecular sieve 5A, which was valved out of the gas stream after the elution of CFC-12. This procedure provides excellent separation of CFCs 11, 12, and 113 as well as separation of CFC-113 from methyl iodide. The precision of this technique is generally the larger of ± 1% or 0.01 pmol/kg (Mensch et al., 1998).

## **Other investigations**

Ship-mounted ADCP data were logged on all CTD stations, but have not been processed due to problems caused by reflections within the transducer well, software anomalies and the inaccuracy of available GPS data. The ADCP system has since been upgraded, with oversight and post-cruise processing by E Firing and T Chereskin. Sixty-seven expendable bathythermograph casts were made during the cruise, and a portion of the resulting temperature data appear in Hellmer et al. (1995).

Chlorophyll samples were collected in the upper 100m of 35 CTD stations, and additional samples taken at the sea surface and near the tops and bottoms of about a dozen ice cores. Much of the chlorophyll data appear in Belem (1997). Over 400 oxygen isotope samples were obtained, and a subsample of those were processed at another laboratory in conjunction with the sea ice-sampling program (Jeffries et al. 1995; 1998). Those values are not reported here.

## Data Presentation and Distribution

The CTD data are presented in tabular and graphical form for each station, on facing pages. The tabular information, from top to bottom, shows standard level observations during CTD descent through the water column, CTD and chemical measurements at bottle trip depths, and standard level data during CTD ascent. Only the last file is truncated if the page length is exceeded.

These data have been reported to the National Oceanographic Data Center, from which copies may be obtained. The text and the data may also be viewed on line at [www.ldeo.columbia.edu/physocean/projects.html](http://www.ldeo.columbia.edu/physocean/projects.html). Please refer questions or comments to [claudiag@ldeo.columbia.edu](mailto:claudiag@ldeo.columbia.edu) or [sjacobs@ldeo.columbia.edu](mailto:sjacobs@ldeo.columbia.edu).

### Header fields:

SHCRUS = ship and cruise, NP9405 for *Nathaniel B. Palmer* 1994 leg 5.

STNM = station number (001-109) and cast mode, with D = downcast, and U = upcast, during which the rosette bottles were closed.

YR/MO/DA = date.

GTIME = Greenwich Mean Time, at the start (D), or end (U) of each cast.

LATITUDE and LONGITUDE = coordinates at GTIME, in decimal degrees, negative in the southern and western hemispheres, from GPS navigation.

DPTH = bottom depth in meters (CTD depth plus HT, when available); otherwise corrected sonic depth from the Simrad EK500 or Raytheon 3.5 kHz depth recorders after sound speed corrections from Carter (1980). On many shallow casts no depths were recorded.

HT = distance in meters above bottom at the closest approach of the CTD/rosette to the sea floor. Often missing or not relevant on this cruise.

BARO = barometric pressure, in millibars.

WND = wind direction, degrees true from North.

WNS = wind speed, in meters/second.

AIRTM = air temperature in degrees Celsius.

Atmospheric parameters were taken from CTD logs at the beginning of each station, and are duplicated on the upcast headers.

## Data fields:

PRES = pressure at the shallowest, standard and deepest levels, and at bottle trip locations, in decibars.

TEMPCTD = in-situ temperature, Int'l Practical Temperature Scale of 1968, in degrees Celsius, as for the other temperature fields.

POTEMP = potential temperature from UNESCO (1983).

TE>FRZ, TE>FRS = temperature above the in-situ and sea surface freezing points, from UNESCO (1978).

SALCTD, SALBOT = CTD & bottle (rosette) salinity, Practical Salinity Scale of 1978.

OXYUP, OXCTD = CTD dissolved oxygen in milliliters per liter and micromoles per kilogram, with the conversion after Culbertson (1991). All CTD oxygen data reported here are from the CTD ascent, with the exception of station 004.

AXBOT = dissolved oxygen titrated from rosette bottle samples, as described above (Water Sample Analyses – Dissolved Oxygen).

SIGMA-0, SIGMA.5, SIGMA-1, SIGMA-2 = potential density anomalies referenced to 0, 500, 1000 and 2000 dbar, in grams per cubic meter.

ANOM = specific volume anomaly, in  $10^{-8}$  cubic meters per kilogram.

GEOPT = dynamic height, in meters, relative to the sea surface.

SVELOC = sound velocity, in meters/second, from Chen & Millero (1977).

DPTH = depth in meters converted from pressure, after Saunders (1981).

SIO<sub>3</sub>, PO<sub>4</sub>, NO<sub>3</sub> = dissolved silicate, phosphate and nitrate + nitrite, in micromoles per kilogram, converted from micromoles per liter at an assumed density of 1.024 kg/m<sup>3</sup>.

PCO<sub>2</sub> = carbon dioxide partial pressure, in microatmospheres, at the 4° Celsius measurement temperature.

TCO<sub>2</sub> = total carbon dioxide, in micromoles per kilogram.

F11, F12, F113 = chlorofluorocarbons, analyzed as above, in picomoles per kg.

BN = bottle number; where more than one bottle was closed at the same depth, values have been merged.

## Data plots:

The heavy continuous and dashed lines show vertical profiles of salinity obtained during CTD descent (D) and ascent (U), respectively, with dots indicating bottle salinities. The medium continuous and dashed lines show the corresponding CTD potential temperatures. The light dashed lines show the CTD U dissolved oxygen profiles (D on station 4), with triangles indicating oxygen titrations from water samples. Note the pressure scale change at 1000 dbar. Cast coordinates are given for the start time of the downcast, to the nearest minute. The insert indicates station location.

## Acknowledgments

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by S. Morgan (SIO). Data collection and processing was supported primarily by grants 92-20009, 94-18151 and 97-25024 from the National Science Foundation, Division of Polar Programs. Carbon dioxide measurements and analyses by D. Chipman and R. Esmay were supported by Department of Energy grants DE-FG02-92Erg1397 and DE-Fg02-94-Erg1758 to T. Takahashi. The CFC sampling and analysis (PI W. Smethie) were supported by cooperative agreements from the National Oceanographic and Atmospheric Administration through grants NA47GP0188 UCSIO PO 10075411 and NA77RJ0453 UCSIO PO 10156283 (CORC I and CORC II). This data has been archived at NODC under cruise number 32-10201 and accession number 0000481.

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Latitude 65 30 S  
Longitude 77 00 W

Salinity

NP9405 001

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

4 5 6 7 8 9 10 11

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Potential Temperature (°C)

ox

pt

sa



Latitude 65 40 S  
Longitude 88 00 W

Salinity

NP9405 002

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





Latitude 65 30 S  
Longitude 108 30 W

Salinity

NP9405 003

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

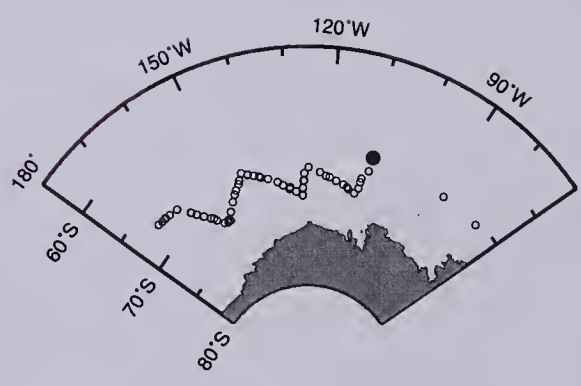
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Potential Temperature (°C)

Oxygen (ml/l)

OX

sa /pt







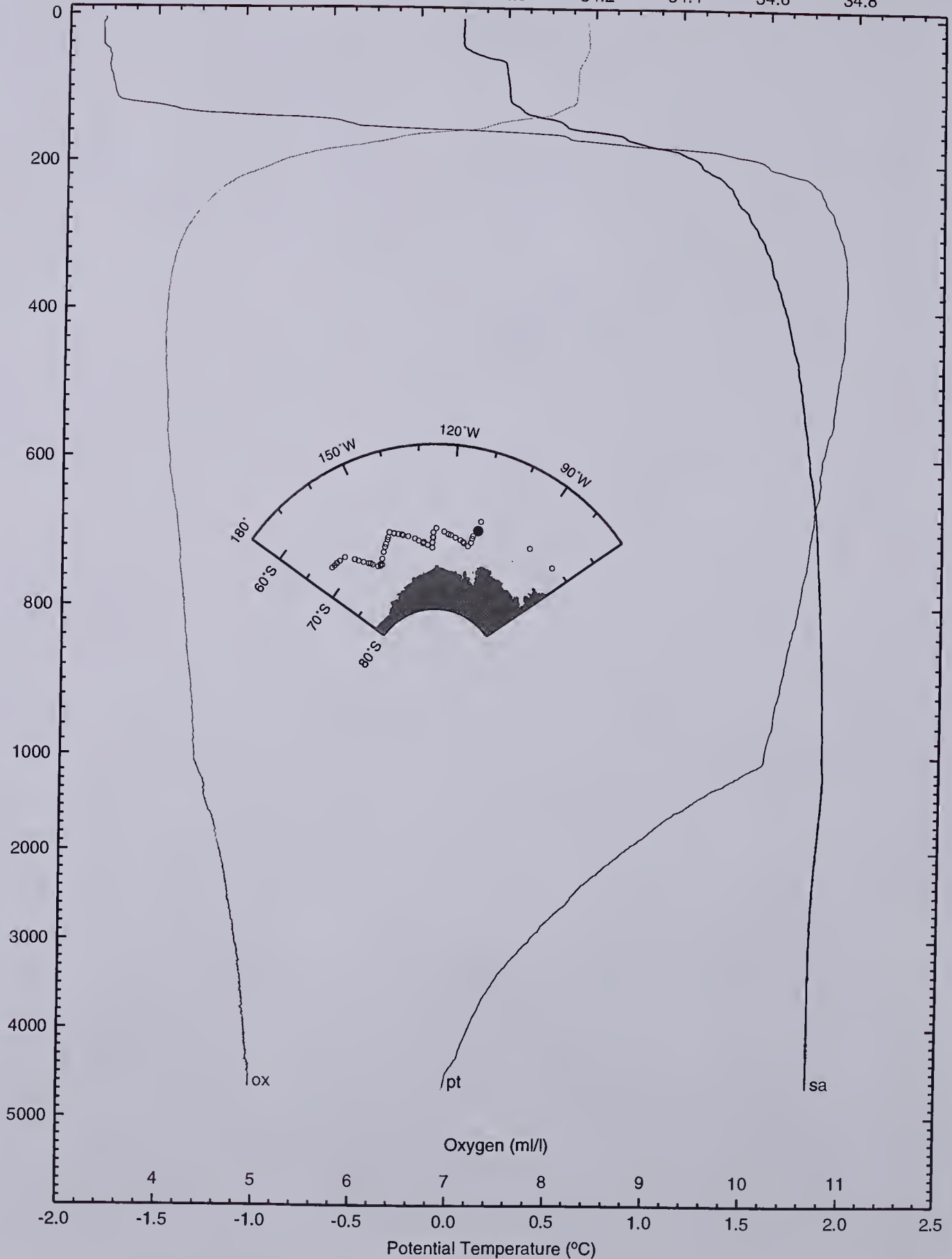
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Longitude 108 33 W

Salinity

NP9405 004

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





Latitude 67 56 S  
Longitude 109 55 W

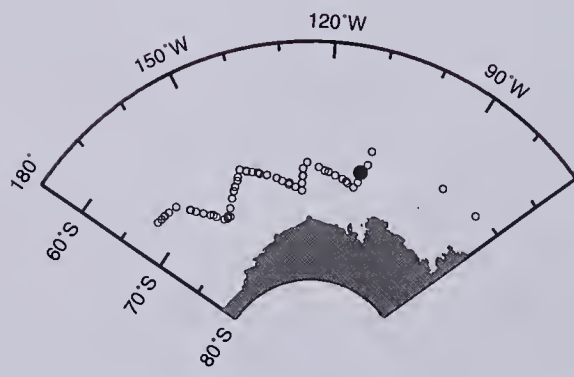
Salinity

NP9405 005

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

ox

pt

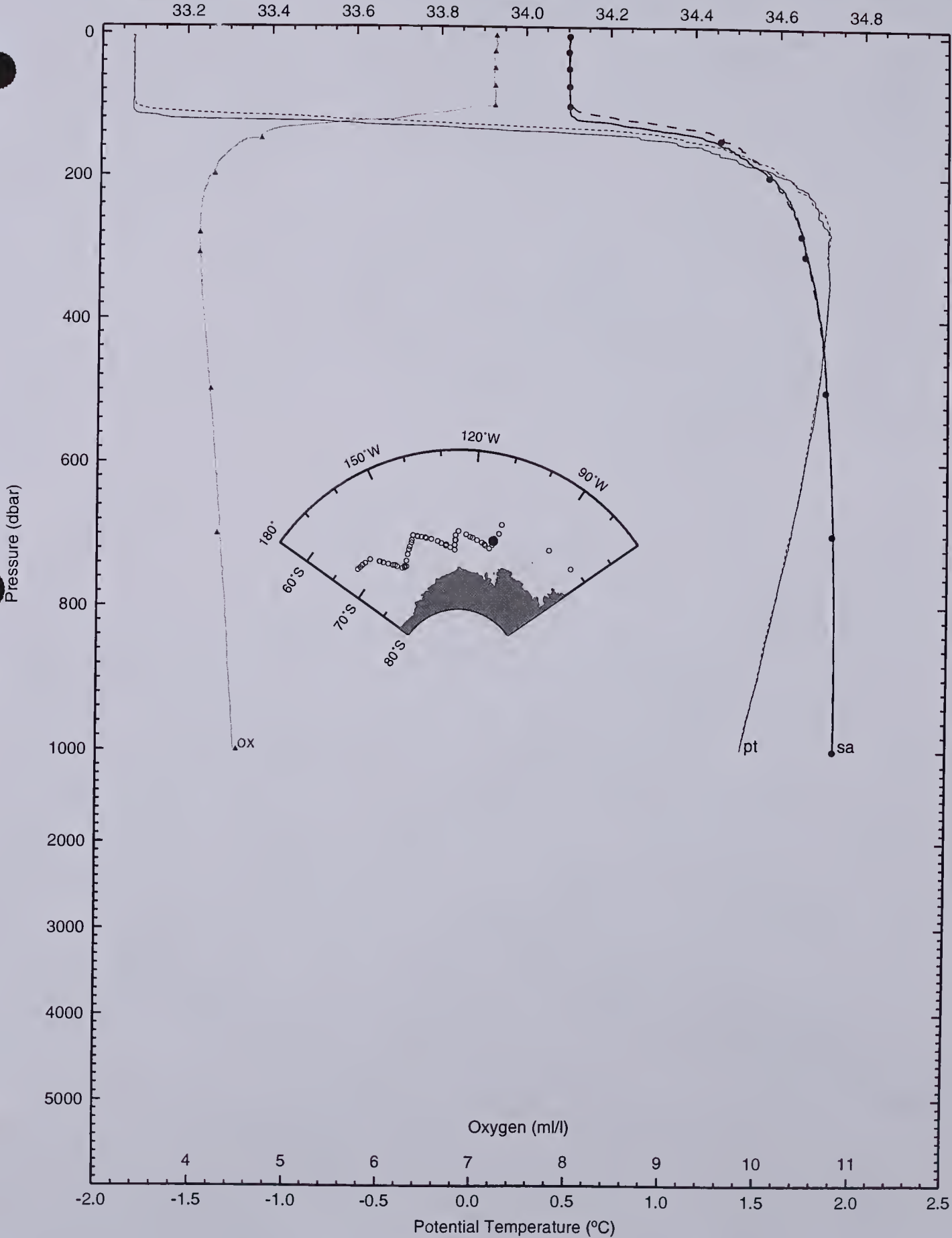
sa



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Longitude 110 07 W

Salinity

NP9405 006

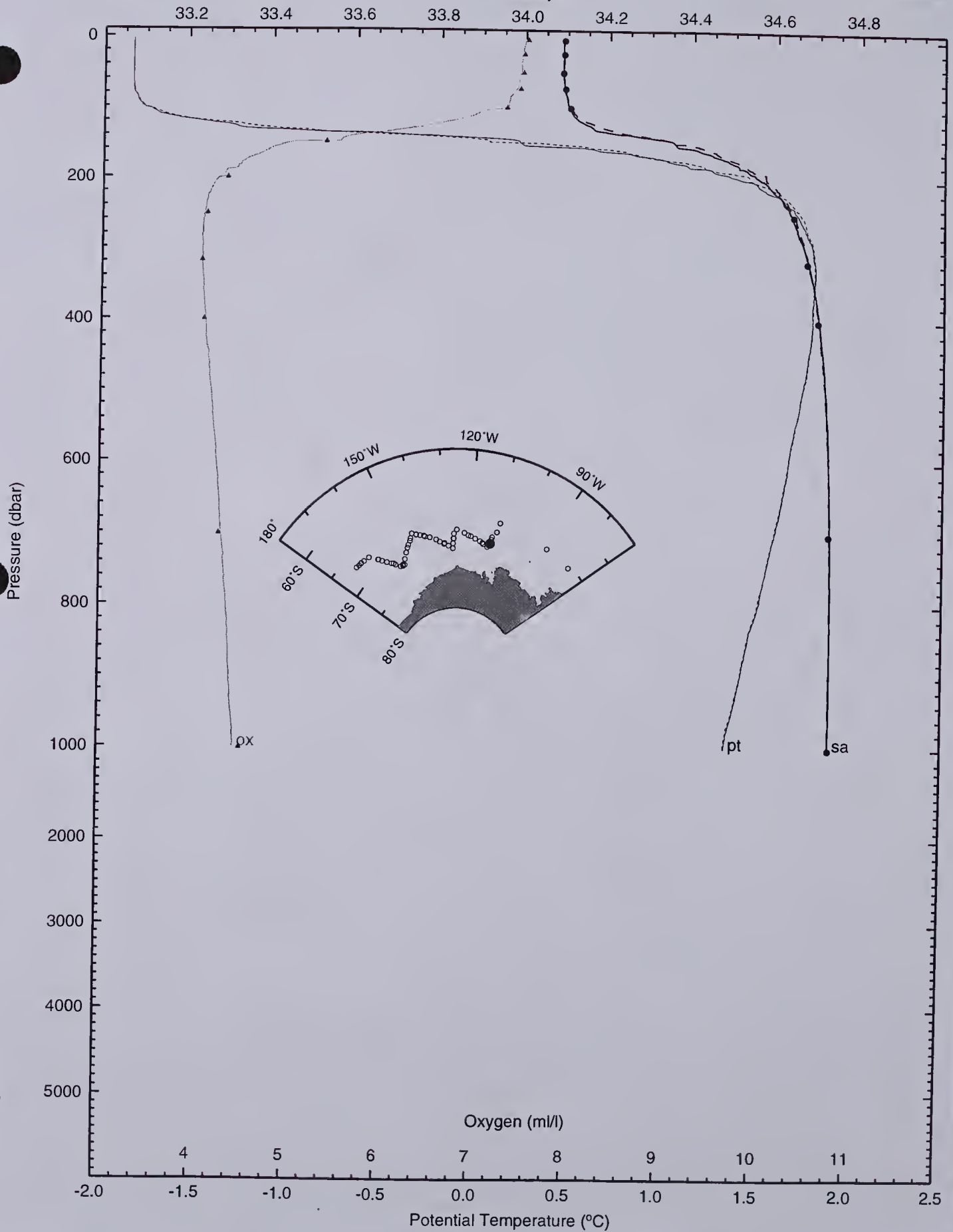




Latitude 68 59 S  
Longitude 110 08 W

Salinity

NP9405 007







Latitude 69 37 S  
Longitude 110 54 W

Salinity

NP9405 008

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



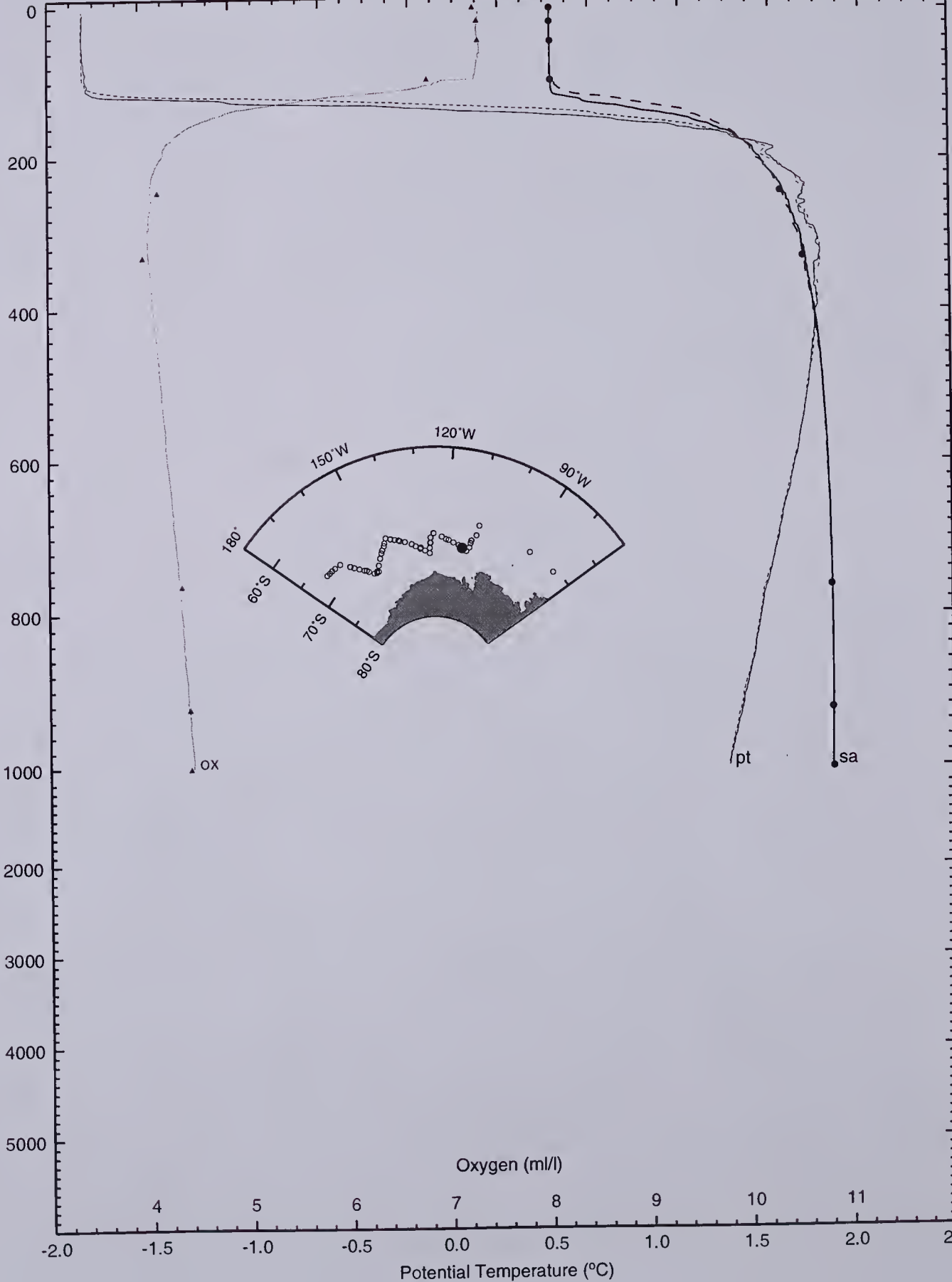


Latitude 69 17 S  
Longitude 113 00 W

NP9405 009

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Potential Temperature (°C)

Oxygen (ml/l)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

5000

4000

3000

2000

1000

800

600

400

200

0



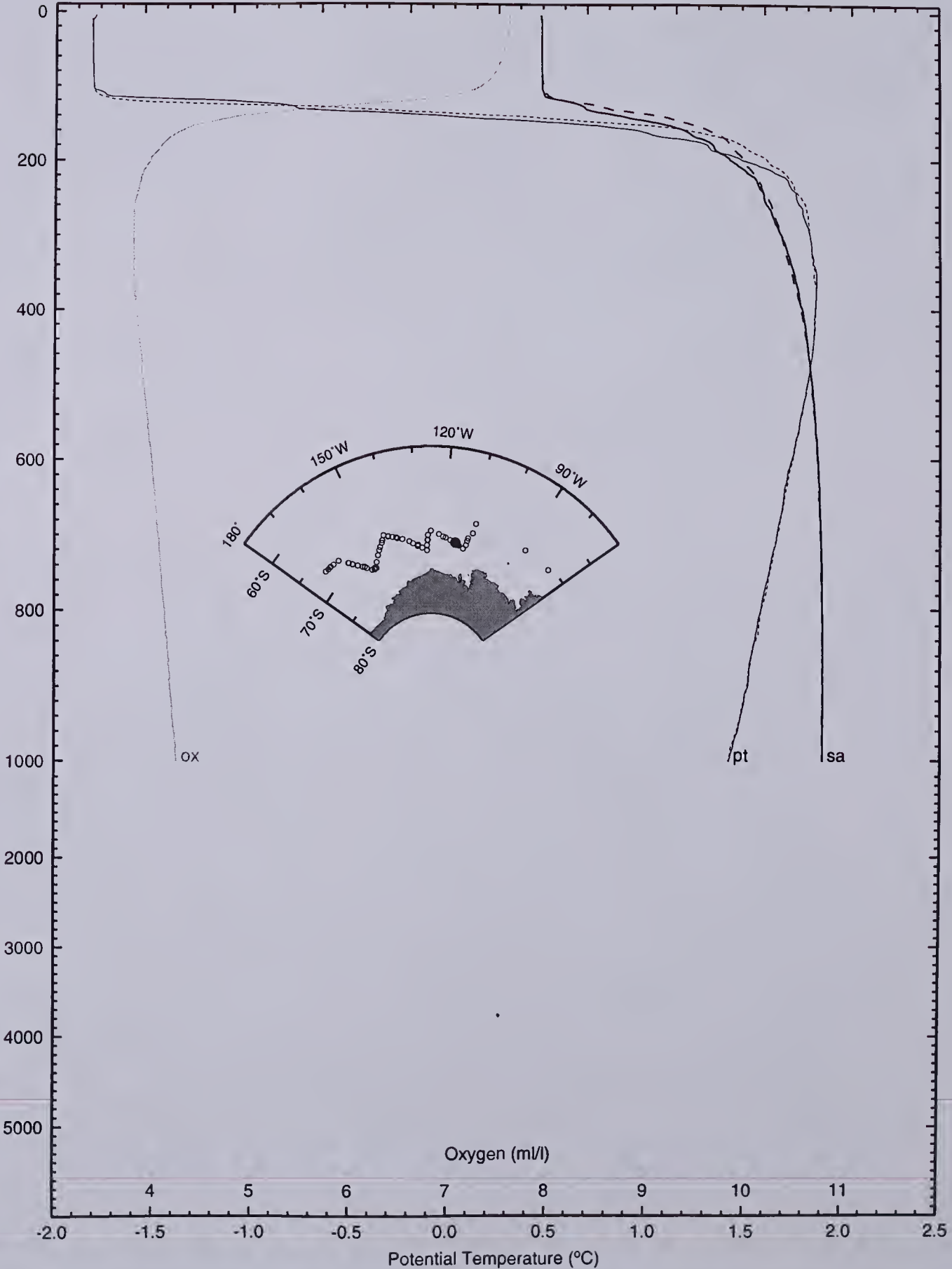
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Salinity

NP9405 010

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





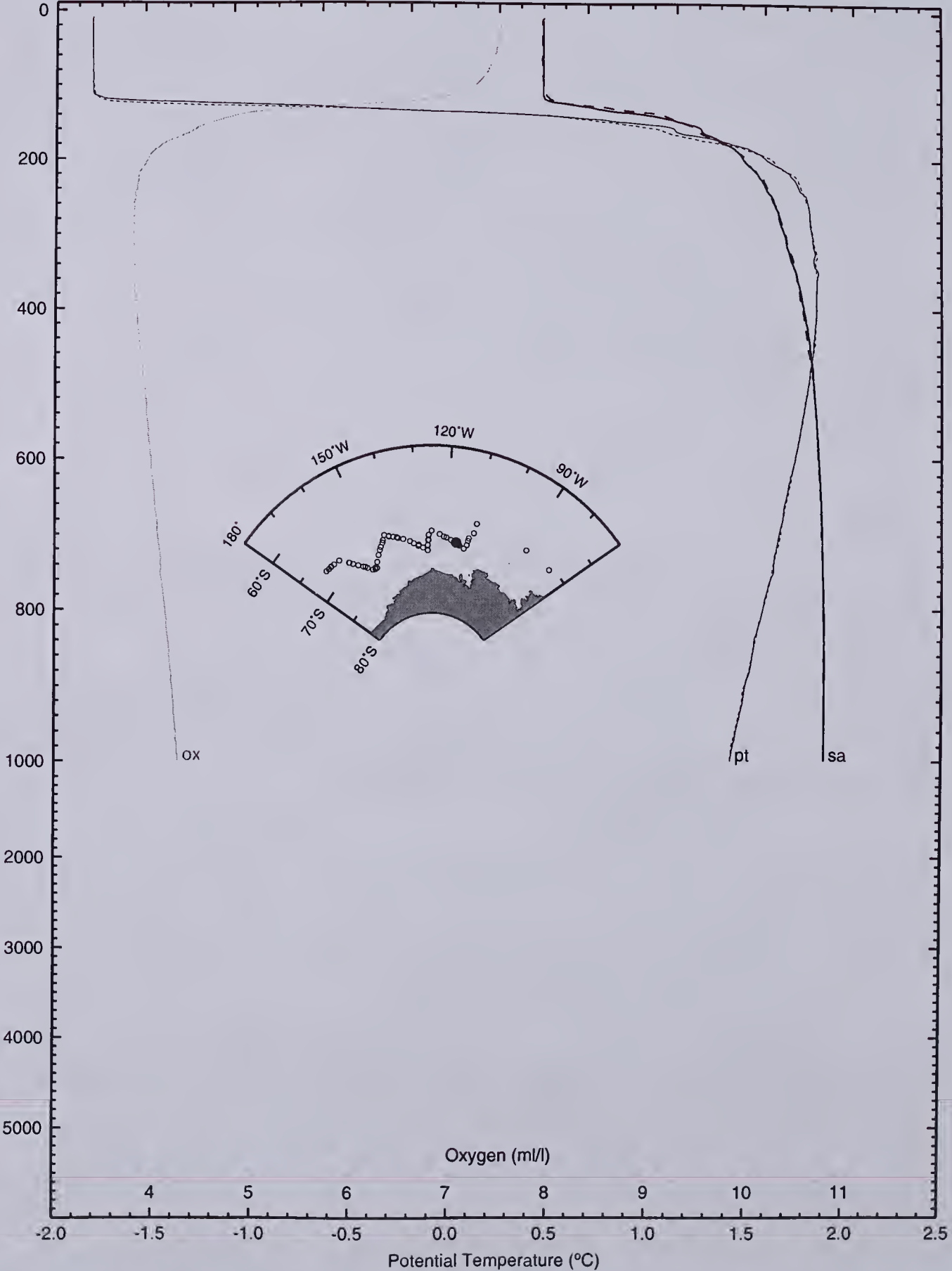
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Longitude 113 35 W

Salinity

NP9405 011

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)







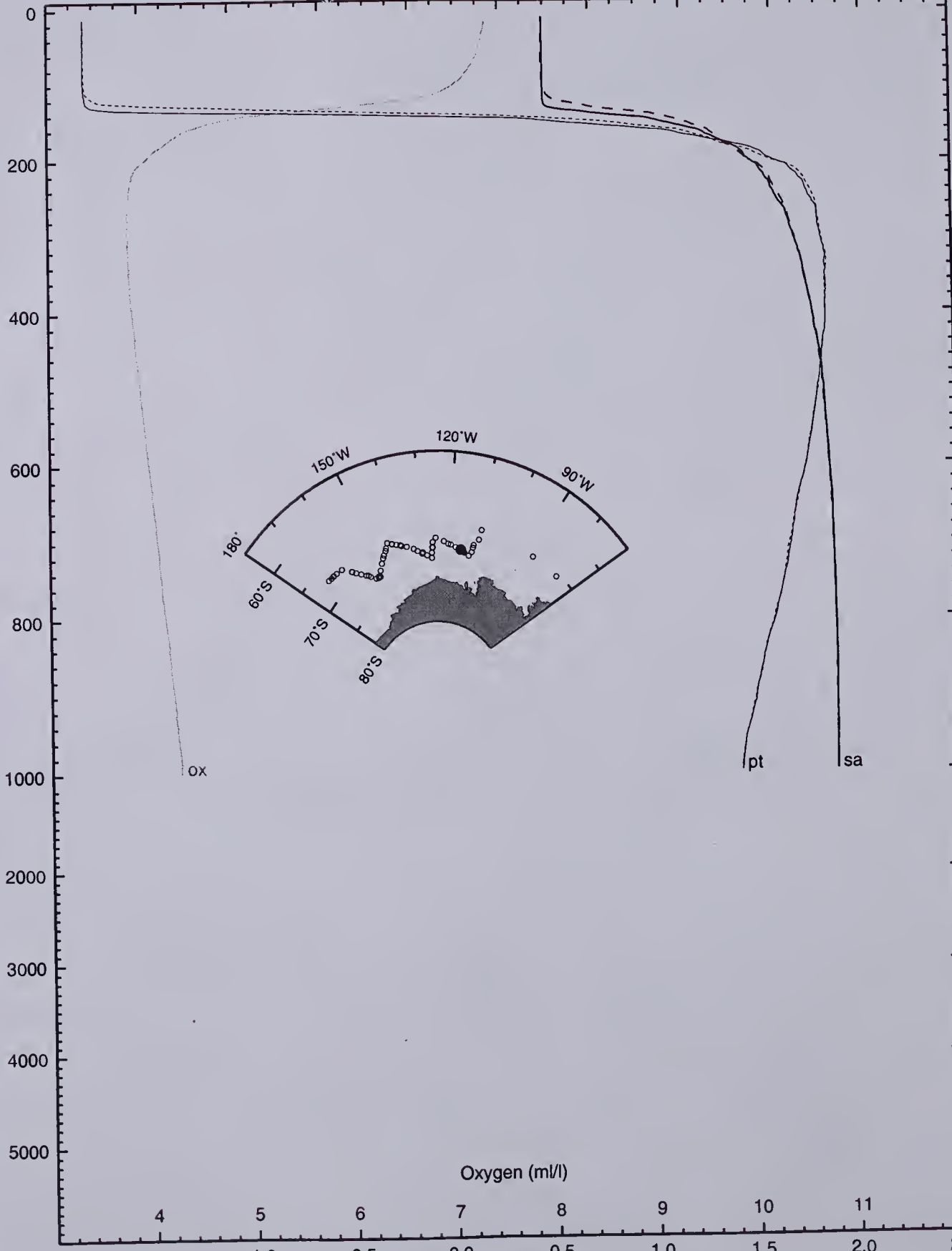
Latitude 69 09 S  
Longitude 113 35 W

Salinity

NP9405 012

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
NP9405 13D 94/09/22 21:43 -68.965 -114.737 3720 985 232 6 -19.0

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
12	-1.811	-1.811	0.069	0.060	34.098	7.42	323	27.448	29.847	32.219	36.884	62.3	0.007	1439.6	11
20	-1.820	-1.820	0.066	0.051	34.098	7.40	322	27.448	29.848	32.221	36.885	62.2	0.012	1439.7	19
30	-1.818	-1.819	0.075	0.053	34.098	7.38	321	27.448	29.848	32.220	36.885	62.1	0.019	1439.9	29
40	-1.818	-1.819	0.083	0.053	34.098	7.36	320	27.448	29.848	32.220	36.885	62.0	0.025	1440.0	39
50	-1.817	-1.818	0.091	0.054	34.098	7.33	319	27.448	29.848	32.220	36.885	62.0	0.031	1440.2	49
60	-1.817	-1.818	0.099	0.054	34.098	7.30	317	27.448	29.847	32.220	36.885	62.0	0.037	1440.4	59
70	-1.818	-1.819	0.106	0.053	34.098	7.27	316	27.448	29.847	32.220	36.885	61.9	0.043	1440.5	69
80	-1.818	-1.819	0.113	0.053	34.098	7.22	314	27.448	29.848	32.220	36.885	61.8	0.050	1440.7	79
90	-1.817	-1.819	0.121	0.054	34.098	7.16	311	27.448	29.847	32.220	36.885	61.7	0.056	1440.8	89
100	-1.817	-1.819	0.129	0.054	34.098	7.09	308	27.448	29.848	32.220	36.885	61.7	0.062	1441.0	98
125	-1.816	-1.819	0.149	0.055	34.098	6.68	290	27.448	29.848	32.220	36.885	61.5	0.077	1441.4	123
150	0.100	0.095	2.095	1.982	34.295	4.99	217	27.532	29.901	32.244	36.849	54.3	0.092	1451.1	148
175	1.254	1.246	3.278	3.146	34.471	4.33	188	27.604	29.955	32.280	36.851	48.1	0.105	1457.0	173
200	1.580	1.570	3.627	3.476	34.540	4.05	176	27.636	29.983	32.303	36.864	45.3	0.116	1458.9	197
225	1.758	1.746	3.826	3.657	34.590	3.95	172	27.663	30.007	32.324	36.881	42.9	0.127	1460.2	222
250	1.811	1.798	3.899	3.711	34.612	3.91	170	27.677	30.020	32.336	36.891	41.8	0.138	1460.8	247
275	1.839	1.825	3.947	3.740	34.633	3.90	170	27.691	30.034	32.350	36.904	40.5	0.148	1461.4	271
300	1.856	1.840	3.984	3.758	34.647	3.90	169	27.701	30.044	32.359	36.913	39.7	0.158	1461.9	296
325	1.883	1.865	4.030	3.785	34.663	3.90	169	27.712	30.054	32.370	36.923	38.8	0.168	1462.4	321
350	1.889	1.870	4.056	3.793	34.673	3.91	170	27.720	30.061	32.377	36.929	38.3	0.178	1462.9	346
375	1.887	1.866	4.073	3.790	34.681	3.93	171	27.727	30.068	32.384	36.936	37.7	0.187	1463.3	370
400	1.877	1.855	4.082	3.780	34.688	3.94	171	27.733	30.075	32.391	36.944	37.2	0.197	1463.7	395
425	1.866	1.843	4.091	3.771	34.697	3.96	172	27.741	30.083	32.399	36.952	36.6	0.206	1464.1	420
450	1.858	1.833	4.102	3.763	34.701	3.98	173	27.745	30.087	32.403	36.956	36.3	0.215	1464.4	444
475	1.838	1.812	4.101	3.744	34.707	4.01	174	27.752	30.094	32.410	36.964	35.8	0.224	1464.8	469
500	1.826	1.798	4.108	3.732	34.711	4.03	175	27.756	30.098	32.415	36.969	35.5	0.233	1465.1	494
550	1.800	1.770	4.200	3.706	34.717	4.07	177	27.762	30.106	32.422	36.977	35.1	0.250	1465.8	543
600	1.772	1.738	4.130	3.678	34.721	4.11	179	27.768	30.112	32.429	36.984	34.7	0.268	1466.5	592
650	1.733	1.697	4.129	3.640	34.725	4.15	180	27.775	30.119	32.436	36.993	34.3	0.285	1467.2	642
700	1.693	1.655	4.127	3.600	34.728	4.19	182	27.780	30.125	32.443	37.001	33.9	0.302	1467.9	691
750	1.666	1.625	4.138	3.573	34.730	4.22	183	27.784	30.129	32.447	37.006	33.7	0.319	1468.6	740
800	1.622	1.577	4.131	3.529	34.731	4.26	185	27.789	30.135	32.454	37.014	33.3	0.336	1469.2	790
850	1.593	1.545	4.140	3.500	34.732	4.30	187	27.792	30.138	32.458	37.019	33.2	0.352	1469.9	839
900	1.544	1.494	4.129	3.451	34.733	4.34	189	27.796	30.143	32.463	37.026	32.9	0.369	1470.5	888
950	1.510	1.456	4.132	3.417	34.733	4.38	190	27.799	30.146	32.467	37.031	32.7	0.385	1471.2	938
1000	1.465	1.409	4.125	3.372	34.733	4.42	192	27.802	30.151	32.472	37.037	32.5	0.402	1471.8	987
1001	1.464	1.408	4.125	3.371	34.733	4.43	192	27.802	30.150	32.472	37.037	32.5	0.402	1471.8	988

SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
NP9405 13U 94/09/22 22:23 -68.965 -114.737 3720 985 232 6 -19.0

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
12	-1.813	-1.813	0.066	0.057	34.095	7.42	323	27.446	29.845	32.218	36.882	62.5	0.007	1439.6	11
20	-1.820	-1.820	0.065	0.050	34.095	7.40	322	27.446	29.845	32.218	36.883	62.4	0.012	1439.7	19
30	-1.820	-1.820	0.073	0.050	34.095	7.38	321	27.445	29.845	32.218	36.882	62.4	0.019	1439.9	29
40	-1.820	-1.820	0.081	0.050	34.095	7.36	320	27.446	29.845	32.218	36.883	62.3	0.025	1440.0	39
50	-1.819	-1.820	0.089	0.051	34.095	7.33	319	27.446	29.845	32.218	36.883	62.2	0.031	1440.2	49
60	-1.819	-1.820	0.097	0.051	34.095	7.30	317	27.446	29.845	32.218	36.883	62.2	0.037	1440.3	59
70	-1.817	-1.819	0.106	0.053	34.095	7.27	316	27.446	29.845	32.218	36.882	62.1	0.044	1440.5	69
80	-1.817	-1.819	0.113	0.053	34.095	7.22	314	27.446	29.845	32.218	36.883	62.0	0.050	1440.7	79
90	-1.817	-1.819	0.121	0.053	34.096	7.16	311	27.446	29.846	32.218	36.883	61.9	0.056	1440.8	89
100	-1.816	-1.818	0.130	0.055	34.097	7.09	308	27.447	29.846	32.219	36.884	61.8	0.062	1441.0	98
125	-1.762	-1.764	2.040	1.909	34.113	6.68	290	27.459	29.857	32.229	36.892	60.5	0.078	1441.7	123
150	0.198	0.192	2.195	2.082	34.340	4.99	217	27.563	29.931	32.272	36.874	51.3	0.091	1451.6	148
175	1.216	1.208	3.240	3.108	34.470	4.33	188	27.605	29.957	32.283	36.855	47.9	0.104	1456.8	173
200	1.586	1.576	3.633	3.482	34.545	4.05	176	27.639	29.986	32.306	36.867	45.0	0.115	1458.9	197
225	1.739	1.728	3.807	3.637	34.583	3.95	172	27.659	30.003	32.321	36.878	43.3	0.126	1460.1	222
250	1.796	1.783	3.884	3.696	34.604	3.91	170	27.671	30.015	32.331	36.887	42.3	0.137	1460.8	247
275	1.825	1.811	3.933	3.726	34.621	3.90	170	27.683	30.025	32.342	36.896	41.4	0.148	1461.3	271
300	1.860	1.844	3.987	3.762	34.639	3.90	169	27.695	30.037	32.353	36.906	40.3	0.158	1461.9	296
325	1.871	1.853	4.018	3.773	34.651	3.90	169	27.704	30.046	32.361	36.914	39.6	0.168	1462.4	321
350	1.888	1.869	4.054	3.791	34.664	3.91	170	27.713	30.054	32.370	36.922	38.9	0.178	1462.9	346
375	1.891	1.871	4.077	3.795	34.674	3.93	171	27.721	30.062	32.378	36.930	38.3	0.187	1463.3	370
400	1.884	1.862	4.089	3.788	34.682	3.94	171	27.728	30.070	32.385	36.938	37.7	0.197	1463.7	395
425	1.873	1.849	4.097	3.777	34.691	3.96	172	27.736	30.078	32.394	36.947	37.0	0.206	1464.2	420
450	1.864	1.839	4.108	3.769	34.699	3.98	173	27.743	30.085	32.401	36.954	36.5	0.215	1464.5	444
475	1.846	1.820	4.109	3.751	34.705	4.01	174	27.750	30.092	32.408	36.961	36.0	0.224	1464.8	469
500	1.832	1.804	4.114	3.738	34.709	4.03	175	27.754	30.096	32.413	36.967	35.7	0.233	1465.1	494
550	1.798	1.768	4.119	3.704	34.716	4.07	177	27.762	30.105	32.422	36.977	35.1	0.251	1465.8	543
600	1.768	1.735	4.126	3.674	34.720	4.11	179	27.768	30.112	32.429	36.985	34.7	0.268	1466.5	592
650	1.731	1.695	4.127	3.637	34.724	4.15	180	27.774	30.118	32.436	36.993	34.3	0.286	1467.2	642
700	1.694	1.655	4.128	3.601	34.727	4.19	182	27.780	30.125	32.443	37.001	33.9	0.303	1467.9	691
750	1.664	1.622	4.135	3.571	34.729	4.22	183	27.784	30.129	32.447	37.006	33.7	0.320	1468.6	740
800	1.625	1.581	4.135	3.532	34.731	4.26	185	27.788	30.134	32.453	37.013	33.4	0.336	1469.2	790
850	1.590	1.542	4.137	3.497	34.731	4.30	187	27.792	30.138	32.457	37.018	33.2	0.353	1469.9	839
900	1.544	1.494	4.129	3.452	34.732	4.34	189	27.796	30.143	32.463	37.025	32.9	0.370	1470.5	888
950	1.508	1.454	4.130	3.415	34.732	4.38	190	27.799	30.146	32.467	3				

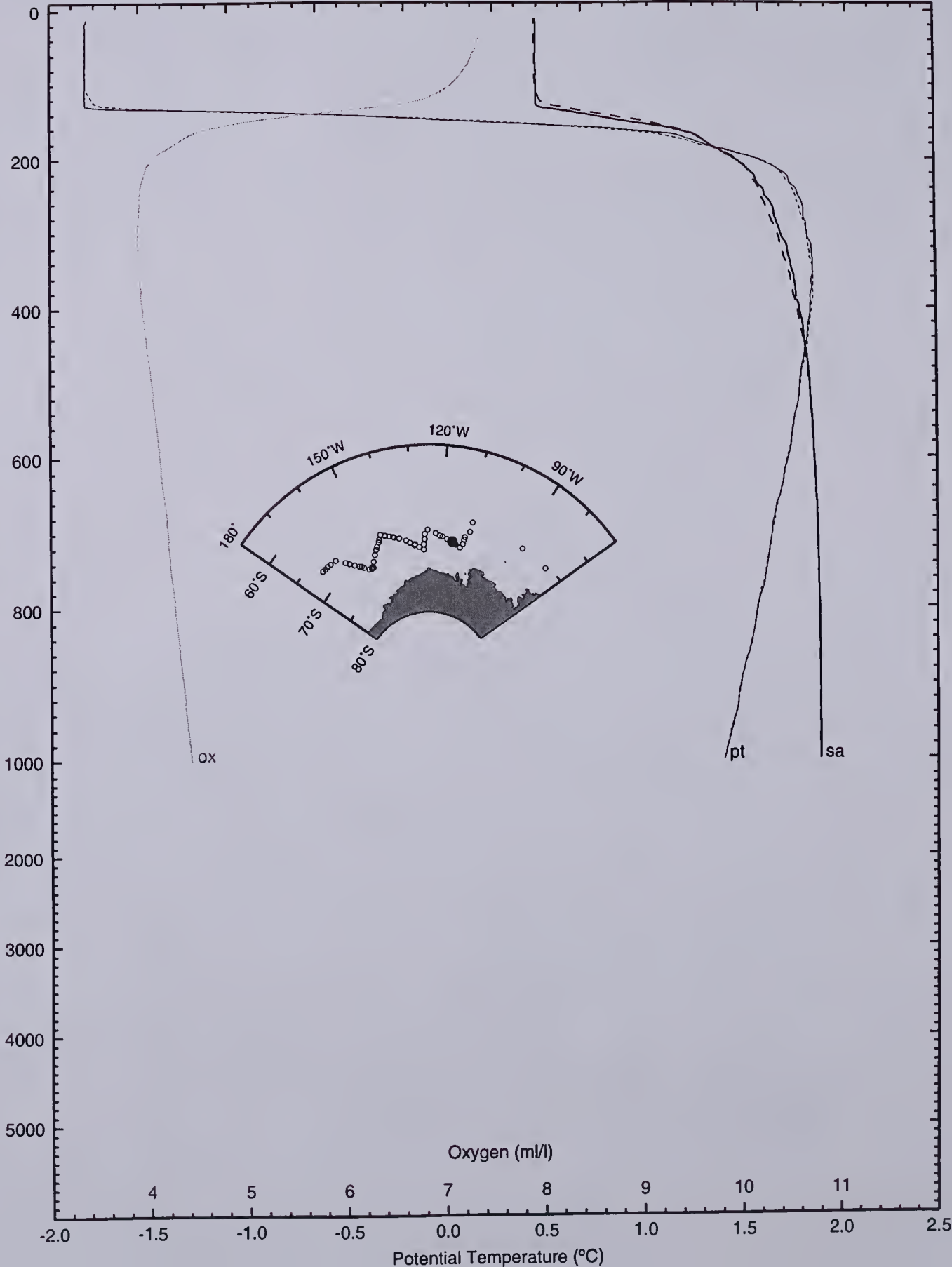
Latitude 69 09 S  
Longitude 113 35 W

Salinity

NP9405 013

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE OPTH HT BARO WND WNS AIRTM
NP9405 14D 94/09/22 22:26 -68.959 -114.735 3960 987 236 6 -18.0
PRES TEMPCTD POTEMP TE>FRZ TE>FRS SALCTO OXYUP OXYUP SIGMA-0 SIGMA-5 SIGMA-1 SIGMA-2 ANOM GEOPT SVELOC DPTH
dbar degC degC degC degC pss m1/1 um/kg um/kg g/m3 g/m3 g/m3 g/m3 dyn.m m/s m

SHCRUS STNM YR/MO/OA GTIME LATITUDE LONGITUDE OPTH HT BARO WND WNS AIRTM
NP9405 14U 94/09/22 23:29 -68.959 -114.735 3960 987 236 6 -18.0
PRES TEMPCTD SALCTO SALBOT OXBOT OXCID SI03 PO4 NO3 TCO2 PCO2 F11 F12 F113 BN OPTH
dbar degC pss pss m1/1 uM/kg uM/kg uM/kg uM/kg uatm pM/kg pM/kg pM/kg BN OPTH m

PRES TEMPCTD POTEMP TE>FRZ TE>FRS SALCTO OXYUP OXYUP SIGMA-0 SIGMA-5 SIGMA-1 SIGMA-2 ANOM GEOPT SVELOC OPTH
dbar degC degC degC degC pss m1/1 um/kg um/kg g/m3 g/m3 g/m3 g/m3 dyn.m m/s m
4 -1.801 -1.801 0.073 0.069 34.095 7.52 327 27.445 29.845 32.217 36.881 62.6 0.003 1439.5 3
10 -1.820 -1.820 0.058 0.051 34.097 7.51 326 27.447 29.847 32.219 36.884 62.4 0.006 1439.5 9
20 -1.821 -1.822 0.064 0.050 34.097 7.50 326 27.447 29.847 32.220 36.884 62.3 0.012 1439.7 19
30 -1.821 -1.822 0.072 0.050 34.097 7.49 326 27.447 29.847 32.219 36.884 62.2 0.019 1439.9 29
40 -1.821 -1.821 0.080 0.050 34.096 7.49 326 27.447 29.847 32.219 36.884 62.2 0.025 1440.0 39
50 -1.820 -1.821 0.088 0.051 34.096 7.49 326 27.447 29.846 32.219 36.884 62.1 0.031 1440.2 49
60 -1.820 -1.821 0.096 0.050 34.096 7.50 326 27.447 29.846 32.219 36.883 62.1 0.037 1440.3 59
70 -1.819 -1.821 0.104 0.051 34.096 7.50 326 27.446 29.846 32.218 36.883 62.0 0.044 1440.5 69
80 -1.819 -1.821 0.112 0.051 34.096 7.50 326 27.446 29.846 32.218 36.883 62.0 0.050 1440.7 79
90 -1.819 -1.820 0.119 0.051 34.096 7.51 326 27.446 29.846 32.218 36.883 61.9 0.056 1440.8 89
100 -1.819 -1.821 0.127 0.051 34.096 7.50 326 27.446 29.846 32.218 36.883 61.9 0.062 1441.0 98
125 -1.440 -1.442 0.528 0.435 34.156 6.60 287 27.484 29.878 32.244 36.897 58.2 0.077 1443.3 123
150 0.584 0.578 2.583 2.471 34.380 4.76 207 27.573 29.935 32.270 36.861 50.6 0.091 1453.4 148
175 1.349 1.340 3.374 3.242 34.495 4.23 184 27.616 29.966 32.290 36.858 46.9 0.103 1457.4 173
200 1.640 1.629 3.687 3.537 34.555 4.04 176 27.643 29.989 32.308 36.868 44.6 0.114 1459.2 197
225 1.728 1.716 3.795 3.625 34.579 3.97 173 27.657 30.001 32.319 36.876 43.5 0.125 1460.0 222
250 1.796 1.783 3.884 3.696 34.606 3.93 171 27.673 30.016 32.333 36.888 42.2 0.136 1460.8 247
275 1.837 1.822 3.944 3.738 34.626 3.92 170 27.686 30.029 32.345 36.899 41.0 0.147 1461.4 271
300 1.857 1.841 3.985 3.759 34.638 3.91 170 27.694 30.036 32.352 36.906 40.4 0.157 1461.9 296
325 1.873 1.856 4.020 3.775 34.651 3.92 170 27.704 30.046 32.361 36.914 39.6 0.167 1462.4 321
350 1.889 1.871 4.056 3.792 34.669 3.94 171 27.716 30.058 32.373 36.926 38.6 0.176 1462.9 346
375 1.891 1.871 4.077 3.795 34.678 3.95 172 27.724 30.066 32.381 36.934 38.0 0.186 1463.3 370
400 1.890 1.868 4.096 3.794 34.689 3.98 173 27.733 30.075 32.390 36.942 37.3 0.195 1463.7 395
425 1.872 1.849 4.097 3.777 34.695 3.99 173 27.739 30.081 32.397 36.949 36.8 0.205 1464.1 420
450 1.863 1.838 4.107 3.768 34.700 4.01 174 27.744 30.086 32.402 36.955 36.4 0.214 1464.5 444
475 1.847 1.821 4.109 3.752 34.705 4.03 175 27.749 30.091 32.407 36.961 36.0 0.223 1464.8 469
500 1.834 1.806 4.116 3.740 34.708 4.05 176 27.753 30.095 32.411 36.965 35.8 0.232 1465.2 494
550 1.806 1.776 4.126 3.712 34.715 4.09 178 27.761 30.104 32.420 36.975 35.2 0.250 1465.9 543
600 1.781 1.748 4.139 3.687 34.719 4.14 180 27.767 30.110 32.427 36.982 34.9 0.267 1466.6 592
650 1.746 1.710 4.142 3.652 34.723 4.18 182 27.773 30.116 32.434 36.990 34.5 0.284 1467.3 642
700 1.701 1.662 4.134 3.608 34.727 4.22 184 27.779 30.124 32.442 37.000 34.0 0.302 1467.9 691
750 1.669 1.627 4.140 3.576 34.729 4.26 185 27.783 30.128 32.447 37.005 33.8 0.319 1468.6 740
800 1.633 1.588 4.142 3.540 34.730 4.31 187 27.787 30.133 32.452 37.011 33.5 0.335 1469.2 790
850 1.589 1.541 4.136 3.496 34.731 4.34 189 27.792 30.138 32.458 37.019 33.2 0.352 1469.9 839
900 1.552 1.502 4.137 3.459 34.732 4.39 191 27.795 30.142 32.462 37.024 33.0 0.369 1470.5 888
950 1.517 1.463 4.139 3.424 34.732 4.43 193 27.798 30.145 32.466 37.029 32.8 0.385 1471.2 938
1000 1.483 1.427 4.143 3.390 34.732 4.47 194 27.801 30.149 32.470 37.034 32.7 0.401 1471.9 987
1005 1.479 1.422 4.143 3.386 34.733 4.48 194 27.801 30.149 32.470 37.035 32.6 0.403 1472.0 992

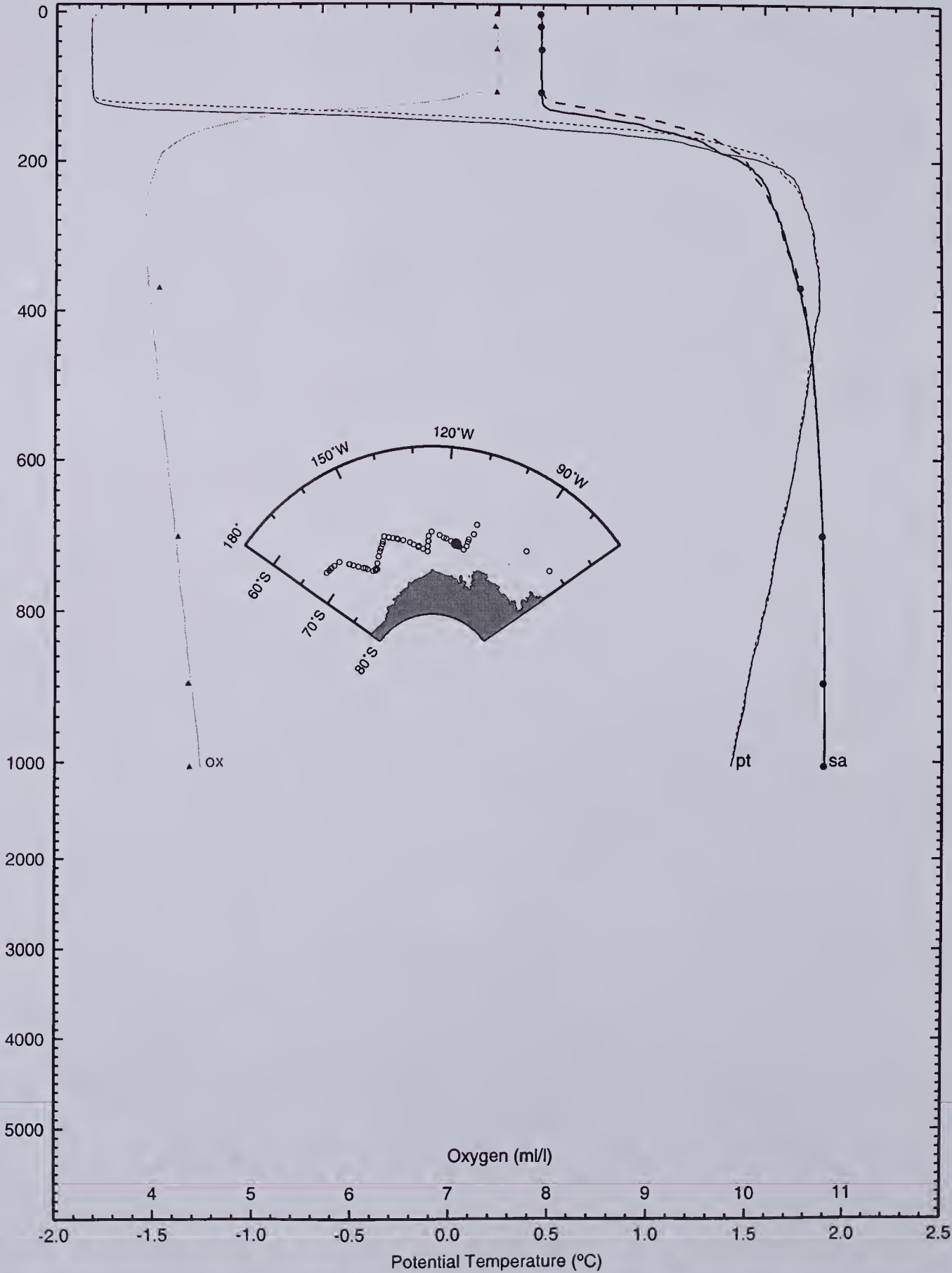
Latitude 68 58 S  
Longitude 114 44 W

Salinity

NP9405 014

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)

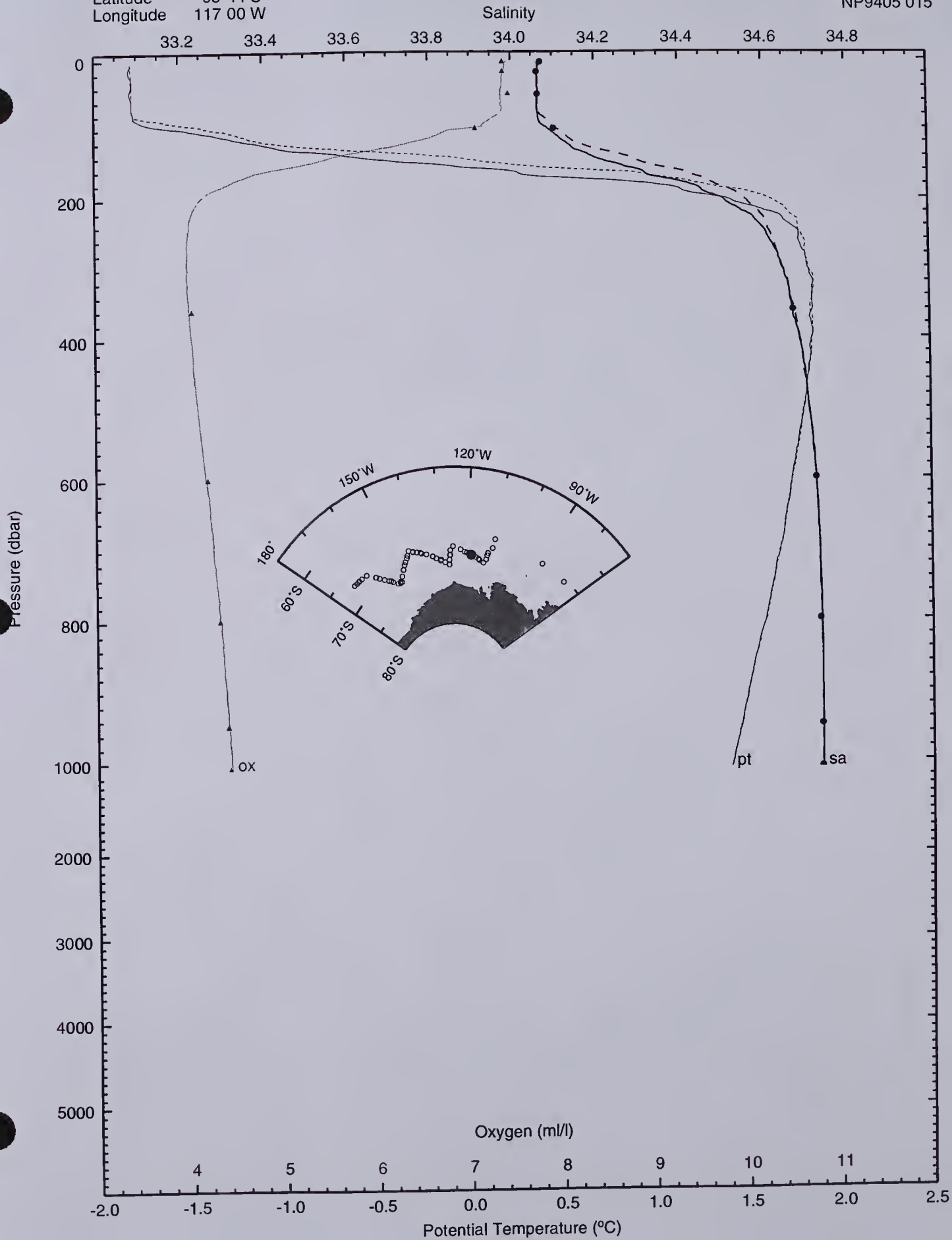
Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, OPTH, HT, BARO, WND, WNS, AIRTM. Rows include data for STNM 15D from 6 to 1009.

Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, OPTH, HT, BARO, WND, WNS, AIRTM. Rows include data for STNM 15U from 5 to 1009.

Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, OPTH, HT, BARO, WND, WNS, AIRTM. Rows include data for STNM 15U from 4 to 1008.

Latitude 68 44 S  
Longitude 117 00 W

NP9405 015



SHCRUS NP9405	STNM 16D	YR/MO/DA 94/09/23	GTIME 13:29	LATITUDE -68.399	LONGITUDE -119.003	DPTH 4740	HT	BARO 993	WND 210	WNS 2	AIRTM -20.8	PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.752	-1.752	0.119	0.115	34.029	7.15	311	27.390	29.789	32.161	36.824	67.7	0.003	1439.7	4												
10	-1.750	-1.750	0.124	0.117	34.029	7.13	310	27.390	29.789	32.161	36.824	67.7	0.007	1439.8	9												
20	-1.756	-1.756	0.126	0.111	34.028	7.13	310	27.390	29.788	32.160	36.824	67.7	0.014	1439.9	19												
30	-1.752	-1.753	0.137	0.115	34.029	7.13	310	27.390	29.789	32.161	36.824	67.6	0.020	1440.1	29												
40	-1.751	-1.752	0.146	0.116	34.029	7.12	310	27.390	29.789	32.161	36.824	67.5	0.027	1440.3	39												
50	-1.751	-1.752	0.153	0.116	34.029	7.12	310	27.390	29.789	32.161	36.824	67.5	0.034	1440.4	49												
60	-1.749	-1.750	0.162	0.118	34.029	7.12	310	27.391	29.789	32.161	36.824	67.4	0.041	1440.6	59												
70	-1.740	-1.742	0.179	0.127	34.031	7.08	308	27.391	29.790	32.161	36.824	67.3	0.047	1440.8	69												
80	-1.618	-1.620	0.310	0.249	34.043	6.73	292	27.398	29.794	32.164	36.823	66.6	0.054	1441.6	79												
90	-1.258	-1.260	0.680	0.612	34.084	6.24	271	27.420	29.811	32.175	36.822	64.5	0.061	1443.5	89												
100	-0.707	-0.710	1.242	1.167	34.153	5.85	254	27.456	29.837	32.193	36.823	61.3	0.067	1446.3	98												
125	0.513	0.508	2.491	2.397	34.330	4.99	217	27.537	29.900	32.236	36.829	54.0	0.081	1452.6	123												
150	1.276	1.269	3.280	3.167	34.459	4.50	196	27.592	29.943	32.268	36.839	49.1	0.094	1456.6	148												
175	1.609	1.601	3.636	3.504	34.528	4.18	182	27.624	29.970	32.290	36.851	46.3	0.106	1458.6	173												
200	1.830	1.820	3.879	3.728	34.584	4.03	175	27.653	29.996	32.312	36.867	43.8	0.117	1460.1	197												
225	1.880	1.868	3.949	3.780	34.606	3.99	173	27.666	30.008	32.324	36.877	42.7	0.128	1460.7	222												
250	1.902	1.889	3.991	3.802	34.618	3.98	173	27.674	30.016	32.332	36.884	42.1	0.139	1461.2	247												
275	1.885	1.870	3.993	3.785	34.633	3.98	173	27.688	30.030	32.345	36.898	40.9	0.149	1461.6	271												
300	1.938	1.922	4.066	3.840	34.646	3.98	173	27.694	30.035	32.350	36.901	40.5	0.159	1462.3	296												
325	1.940	1.923	4.088	3.843	34.657	3.99	173	27.703	30.044	32.359	36.910	39.8	0.169	1462.7	321												
350	1.921	1.900	4.107	3.825	34.678	4.03	175	27.713	30.055	32.369	36.921	38.9	0.179	1463.1	346												
400	1.912	1.890	4.118	3.816	34.685	4.05	176	27.721	30.062	32.377	36.929	38.3	0.189	1463.4	370												
425	1.910	1.887	4.135	3.815	34.691	4.06	177	27.728	30.069	32.384	36.936	37.7	0.198	1463.8	395												
450	1.886	1.861	4.130	3.791	34.697	4.08	178	27.740	30.082	32.397	36.950	36.8	0.217	1464.6	420												
475	1.879	1.853	4.142	3.784	34.702	4.11	178	27.744	30.086	32.402	36.954	36.5	0.226	1464.9	444												
500	1.865	1.837	4.147	3.770	34.703	4.12	179	27.747	30.089	32.405	36.958	36.4	0.235	1465.3	469												
550	1.833	1.803	4.153	3.739	34.711	4.15	180	27.756	30.098	32.414	36.968	35.7	0.253	1466.0	543												
600	1.810	1.776	4.167	3.716	34.717	4.18	182	27.762	30.105	32.422	36.976	35.3	0.271	1466.7	592												
650	1.782	1.746	4.178	3.688	34.721	4.23	184	27.768	30.112	32.428	36.984	34.9	0.289	1467.4	642												
700	1.744	1.705	4.178	3.651	34.725	4.26	185	27.775	30.119	32.436	36.992	34.5	0.306	1468.1	691												
750	1.672	1.627	4.181	3.579	34.730	4.32	188	27.780	30.125	32.443	37.000	34.1	0.323	1468.7	740												
800	1.615	1.567	4.162	3.522	34.732	4.35	189	27.784	30.129	32.448	37.007	33.9	0.340	1469.4	790												
850	1.578	1.527	4.162	3.485	34.733	4.38	190	27.790	30.136	32.456	37.016	33.4	0.357	1470.0	839												
900	1.541	1.488	4.164	3.448	34.733	4.40	191	27.794	30.140	32.460	37.021	33.2	0.374	1470.7	888												
950	1.541	1.488	4.164	3.448	34.733	4.40	191	27.797	30.144	32.464	37.027	33.0	0.390	1471.3	938												
999	1.495	1.439	4.154	3.402	34.733	4.43	193	27.800	30.148	32.469	37.033	32.7	0.406	1471.9	986												

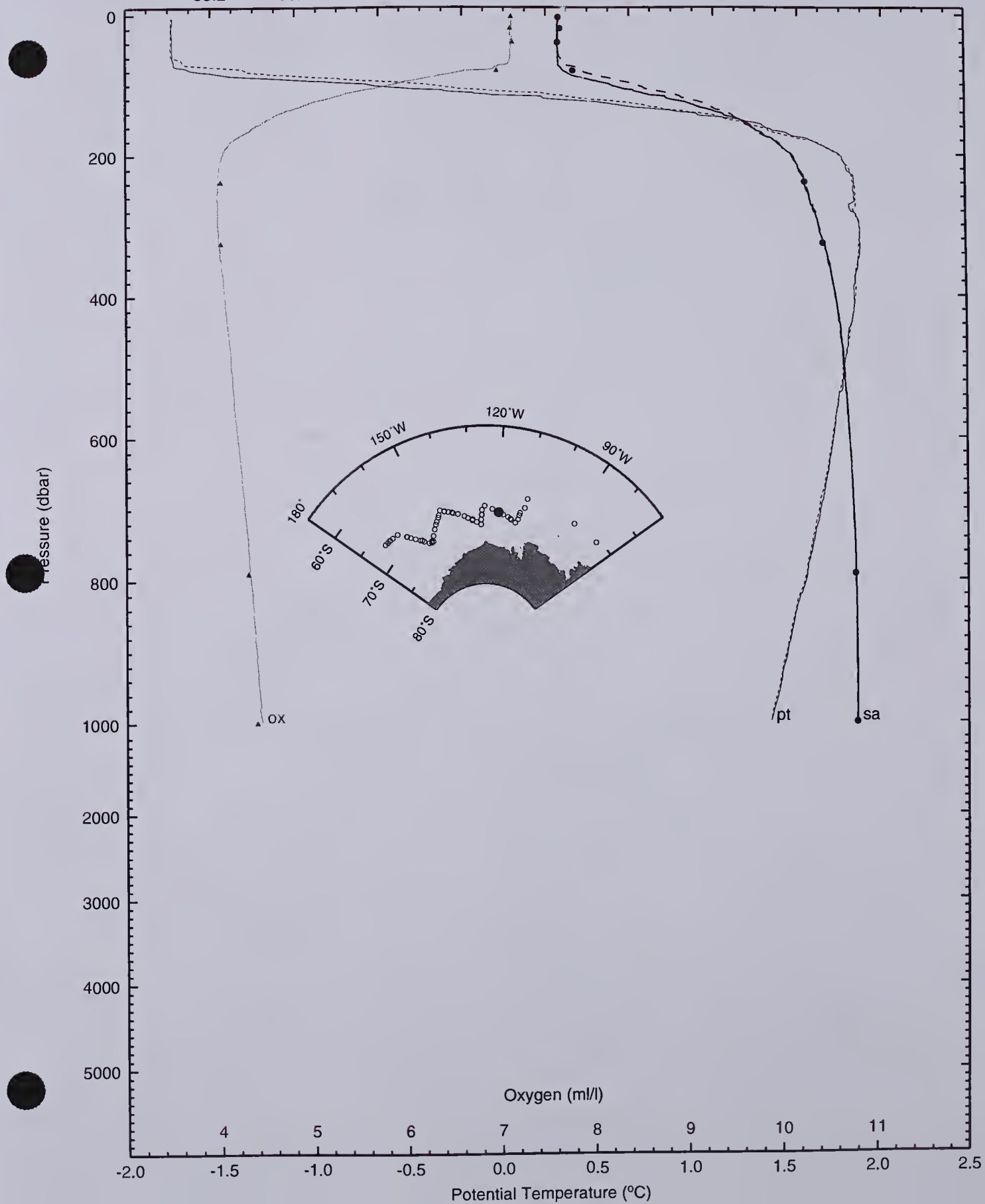
SHCRUS NP9405	STNM 16U	YR/MO/DA 94/09/23	GTIME 14:33	LATITUDE -68.399	LONGITUDE -119.003	DPTH 4740	HT	BARO 993	WND 210	WNS 2	AIRTM -20.8	PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	PO4 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pM/kg	F12 pM/kg	F113 pM/kg	EN	DPTH m
4	-1.753	34.031	34.030	7.13	311	50.2	2.01	29.2	2191	501								16	4							16	4
20	-1.758	34.030	34.034	7.12	310	50.3	2.01	29.3	2190	499								13	20							12	39
40	-1.758	34.030	34.029	7.14	310	50.4	1.98	29.4	2189	503								9	79							7	236
80	-1.488	34.053	34.065	6.97	290	51.4	2.01	29.5	2192	508								5	323							3	782
239	1.899	34.614	34.614	4.01	173	81.7	2.29	33.4	2255	646								7	987							1	987
326	1.940	34.656	34.656	4.01	174	84.7	2.29	32.7	2255	627								5								3	
791	1.674	34.730	34.729	4.29	187	96.3	2.12	30.9	2255	581								2								1	
1000	1.496	34.733	34.732	4.38	193	100.5	2.09	2254	571									2								1	

PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYP ml/l	OXYP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.754	-1.755	0.116	0.113	34.030	7.15	311	27.391	29.790	32.162	36.825	67.7	0.003	1439.7	4
10	-1.756	-1.757	0.118	0.111	34.030	7.13	310	27.391	29.790	32.162	36.825	67.6	0.007	1439.8	9
20	-1.757	-1.757	0.125	0.110	34.030	7.13	310	27.391	29.790	32.162	36.825	67.6	0.014	1439.9	19
30	-1.757	-1.758	0.132	0.110	34.030	7.13	310	27.391	29.790	32.162	36.825	67.5	0.020	1440.1	29
40	-1.757	-1.758	0.139	0.110	34.030	7.12	310	27.391	29.790	32.162	36.825	67.5	0.027	1440.2	39
50	-1.758	-1.759	0.147	0.109	34.030	7.12	310	27.391	29.790	32.162	36.826	67.4	0.034	1440.4	49
60	-1.745	-1.746	0.167	0.122	34.033	7.12	310	27.393	29.792	32.164	36.827	67.1	0.041	1440.6	59
70	-1.669	-1.671	0.251	0.198	34.041	7.08	308	27.398	29.795	32.166	36.826	66.6	0.047	1441.2	69
80	-1.355	-1.357	0.574	0.515	34.081	6.73	292	27.421	29.813	32.179	36.829	64.5	0.054	1442.9	79
90	-0.918	-0.920	1.023	0.955	34.144	6.24	271	27.457	29.842	32.200	36.837	61.2	0.060	1445.2	89
100	-0.392	-0.395	1.560	1.485	34.212	5.85	254	27.490	29.867	32.217	36.837	58.2	0.066	1447.9	98
125	0.652	0.647	2.633	2.538	34.366	4.99	217	27.558	29.919	32.253	36.842	52.0	0.080	1453.3	123
150	1.232	1.225	3.236	3.123	34.458	4.50	196	27.595	29.947	32.272	36.844	48.8	0.092	1456.4	148
175	1.576	1.567	3.602	3.471	34.525	4.18	182	27.624	29.971	32.291	36.853	46.3	0.104	1458.5	173
200	1.823	1.812	3.871	3.720	34.582	4.03	175	27.651	29.994	32.311	36.866	43.9	0.115	1460.0	197
225	1.887	1.875	3.956	3.787	34.603	3.99	173	27.664	30.006	32.321	36.874	42.9	0.126	1460.7	222
250	1.912	1.899	4.001	3.813	34.621	3.98	173	27.676	30.018	32.333	36.885	41.9	0.137	1461.3	247
275	1.914	1.900	4.023	3.815	34.635	3.98	173	27.687	30.028	32.343	36.895	41.0	0.147	1461.7	271
300	1.938	1.921	4.066	3.840	34.647	3.98	173	27.695	30.036	32.351	36.902	40.4	0.157	1462.3	296
325	1.939	1.922	4.087	3.842	34.657	3.99	173	27.703	30.044	32.359	36.910	39.7	0.167	1462.7	321
350	1.933	1.914	4.100	3.836	34.668	4.01	174	27.713	30.054	32.369	36.920	39.0	0.177	1463.1	346
375	1.917	1.896	4.103	3.821	34.678	4.03	175	27.721	30.063	32.378	36.930	38.2	0.187	1463.4	370
400	1.921	1.899	4.127	3.825	34.684	4.05	176	27.727	30.068	32.383	36.935	37.9	0.196	1463.9	395
425	1.909	1.886	4.134	3.814	34.690	4.06	177	27.733	30.074	32.389	36.941	37.4	0.206	1464.2	420
450	1.892	1.867	4.135	3.797	34.696	4.08	178								



Latitude 68 24 S  
Longitude 119 00 W

NP9405 016





Latitude 68 19 S  
Longitude 120 08 W

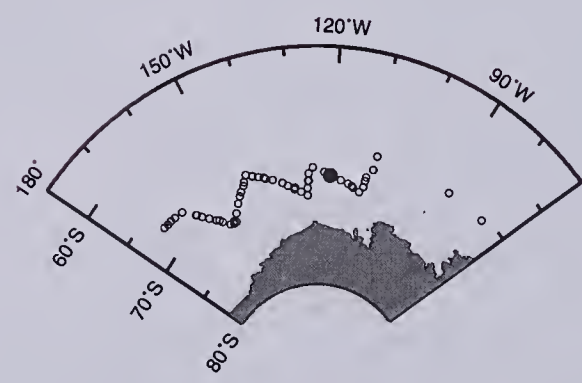
NP9405 017

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)  
Potential Temperature (°C)

4 5 6 7 8 9 10 11

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

ox

pt

sa



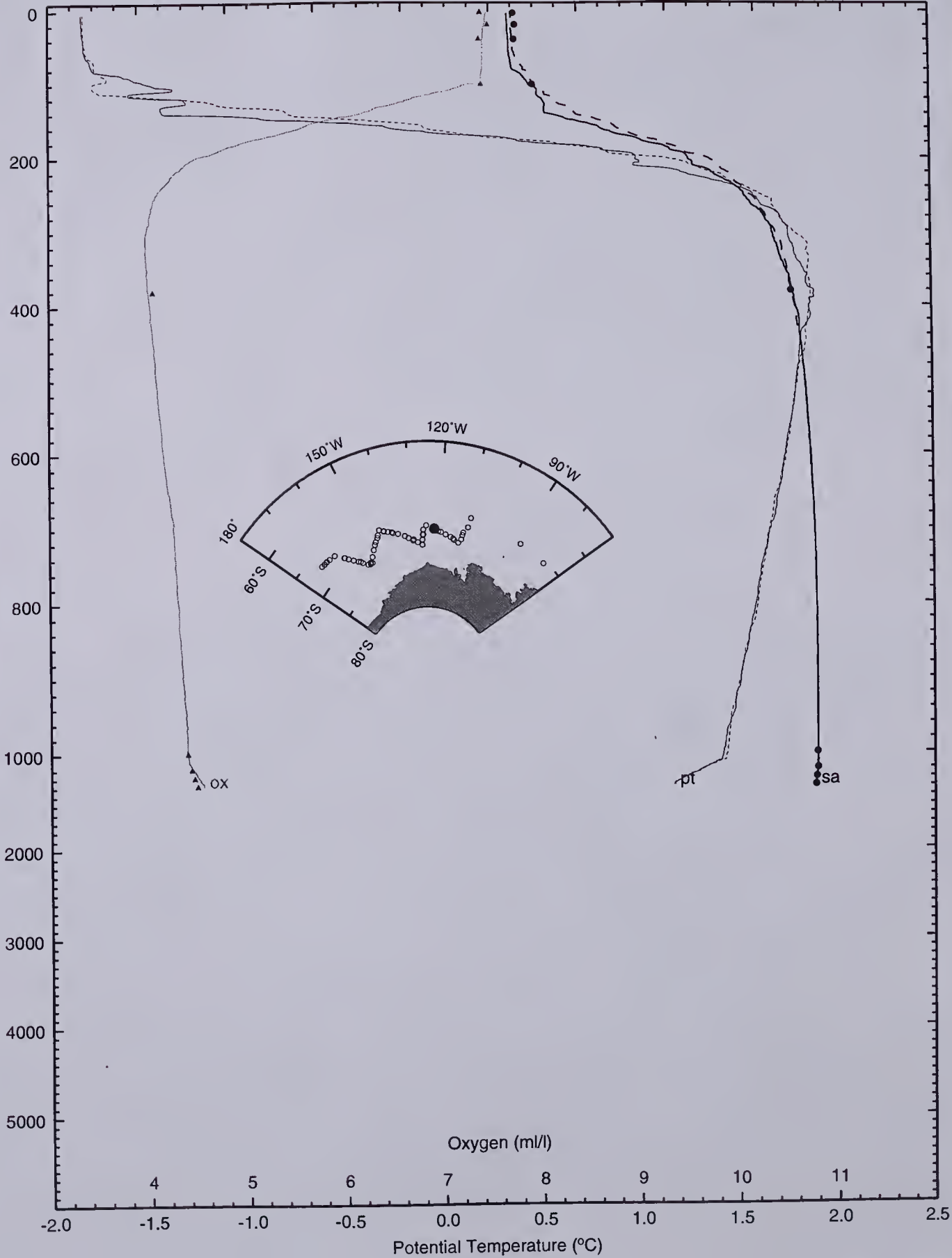
Latitude 68 00 S  
Longitude 122 01 W

NP9405 018

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





Latitude 67 30 S  
Longitude 125 16 W

Salinity

NP9405 019

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



Pressure (dbar)

Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

5000

4000

3000

2000

1000

800

600

400

200

0





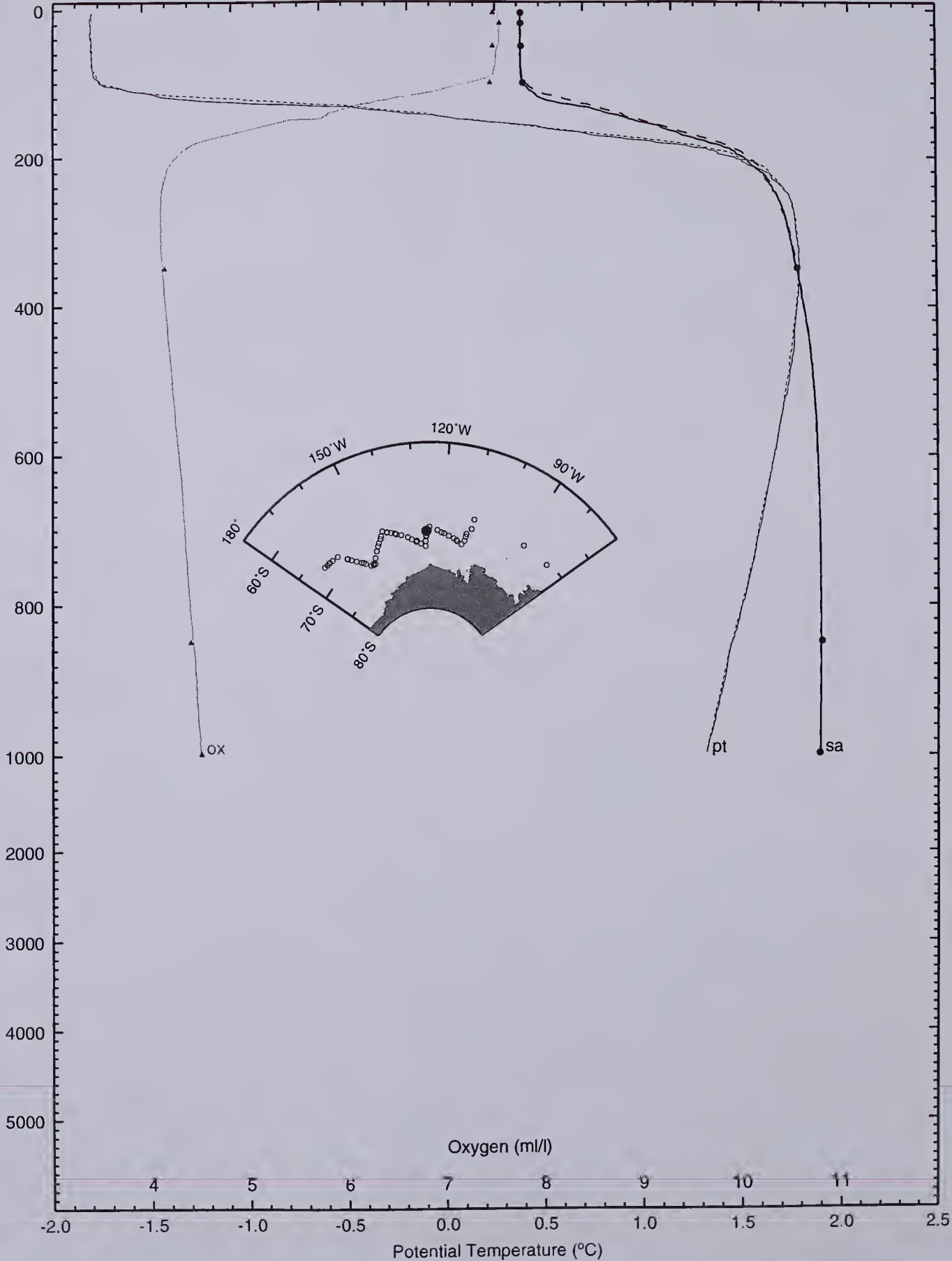
Latitude 68 08 S  
Longitude 126 26 W

Salinity

NP9405 020

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 21D	YR/MO/DA 94/09/25	GTIME 19:39	LATITUDE -68.892	LONGITUDE -126.614	DPTH	HT	BARO 987	WND 255	WNS 12	AIRTM -25.0	PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.833	-1.833	0.041	0.038	34.102	7.56	329	27.452	29.851	32.224	36.889	61.9	0.003	1439.4	4												
10	-1.834	-1.834	0.044	0.037	34.102	7.55	328	27.452	29.852	32.224	36.890	61.9	0.006	1439.5	9												
20	-1.835	-1.835	0.051	0.036	34.102	7.55	328	27.452	29.852	32.225	36.890	61.8	0.012	1439.6	19												
30	-1.835	-1.835	0.059	0.036	34.103	7.53	327	27.452	29.852	32.225	36.890	61.7	0.019	1439.8	29												
40	-1.834	-1.835	0.067	0.037	34.102	7.52	327	27.452	29.852	32.225	36.890	61.7	0.025	1440.0	39												
50	-1.833	-1.834	0.076	0.038	34.102	7.51	327	27.452	29.851	32.224	36.889	61.7	0.031	1440.1	49												
60	-1.832	-1.833	0.084	0.039	34.102	7.50	326	27.452	29.851	32.224	36.889	61.6	0.037	1440.3	59												
70	-1.830	-1.831	0.094	0.041	34.102	7.48	325	27.452	29.852	32.224	36.889	61.5	0.043	1440.5	69												
80	-1.829	-1.830	0.103	0.042	34.102	7.46	324	27.452	29.852	32.224	36.889	61.4	0.049	1440.6	79												
90	-1.827	-1.829	0.111	0.044	34.103	7.44	323	27.452	29.852	32.225	36.889	61.3	0.055	1440.8	89												
100	-1.826	-1.828	0.121	0.045	34.103	7.40	322	27.452	29.852	32.225	36.890	61.3	0.062	1441.0	98												
125	-1.711	-1.714	0.255	0.160	34.112	7.00	304	27.457	29.855	32.226	36.887	60.7	0.077	1441.9	123												
150	-0.686	-0.690	1.305	1.192	34.226	6.00	261	27.513	29.895	32.249	36.878	55.7	0.091	1447.4	148												
175	0.208	0.202	2.226	2.094	34.362	5.00	217	27.581	29.948	32.288	36.890	49.7	0.105	1452.1	173												
200	0.999	0.990	3.043	2.893	34.498	4.31	187	27.643	29.998	32.326	36.905	44.3	0.116	1456.3	197												
225	1.392	1.381	3.459	3.290	34.580	4.13	180	27.682	30.031	32.354	36.920	40.9	0.127	1458.5	222												
250	1.608	1.595	3.698	3.509	34.629	4.03	175	27.705	30.051	32.370	36.931	39.0	0.137	1460.0	247												
275	1.696	1.681	3.805	3.598	34.654	3.99	173	27.719	30.064	32.382	36.939	37.8	0.147	1460.8	271												
300	1.752	1.737	3.882	3.656	34.675	3.98	173	27.731	30.075	32.392	36.948	36.8	0.156	1461.5	296												
325	1.769	1.752	3.918	3.673	34.683	3.99	173	27.737	30.080	32.397	36.953	36.4	0.165	1462.0	321												
350	1.781	1.762	3.949	3.686	34.692	4.00	174	27.743	30.086	32.403	36.958	36.0	0.174	1462.4	346												
375	1.776	1.756	3.963	3.681	34.697	4.02	175	27.748	30.091	32.408	36.963	35.6	0.182	1462.8	370												
400	1.770	1.749	3.977	3.675	34.704	4.03	175	27.754	30.097	32.414	36.970	35.1	0.192	1463.2	395												
425	1.760	1.737	3.986	3.666	34.710	4.05	176	27.759	30.103	32.420	36.976	34.7	0.201	1463.6	420												
450	1.751	1.727	3.995	3.657	34.713	4.07	177	27.763	30.107	32.424	36.980	34.5	0.209	1464.0	444												
475	1.735	1.710	3.999	3.641	34.717	4.09	178	27.768	30.111	32.429	36.985	34.2	0.218	1464.3	469												
500	1.719	1.692	4.002	3.625	34.720	4.11	178	27.771	30.115	32.433	36.990	33.9	0.226	1464.7	494												
550	1.681	1.652	4.002	3.588	34.725	4.15	180	27.778	30.123	32.441	36.999	33.4	0.243	1465.3	543												
600	1.646	1.613	4.004	3.553	34.728	4.17	181	27.783	30.128	32.447	37.006	33.1	0.260	1466.0	592												
650	1.608	1.573	4.004	3.515	34.730	4.20	182	27.788	30.134	32.453	37.013	32.8	0.276	1466.7	642												
700	1.562	1.524	3.996	3.469	34.731	4.24	184	27.793	30.139	32.459	37.021	32.5	0.293	1467.3	691												
750	1.520	1.479	3.991	3.427	34.732	4.26	185	27.797	30.144	32.464	37.027	32.2	0.309	1467.9	740												
800	1.475	1.432	3.985	3.382	34.732	4.29	186	27.800	30.148	32.469	37.033	32.0	0.325	1468.5	790												
850	1.437	1.391	3.984	3.344	34.732	4.30	187	27.803	30.152	32.473	37.039	31.8	0.341	1469.2	839												
900	1.400	1.351	3.985	3.307	34.732	4.33	188	27.806	30.155	32.477	37.043	31.6	0.357	1469.9	888												
950	1.355	1.303	3.977	3.262	34.731	4.35	189	27.809	30.158	32.481	37.049	31.4	0.372	1470.5	938												
1000	1.308	1.253	3.968	3.215	34.730	4.38	190	27.811	30.162	32.485	37.054	31.2	0.388	1471.1	987												

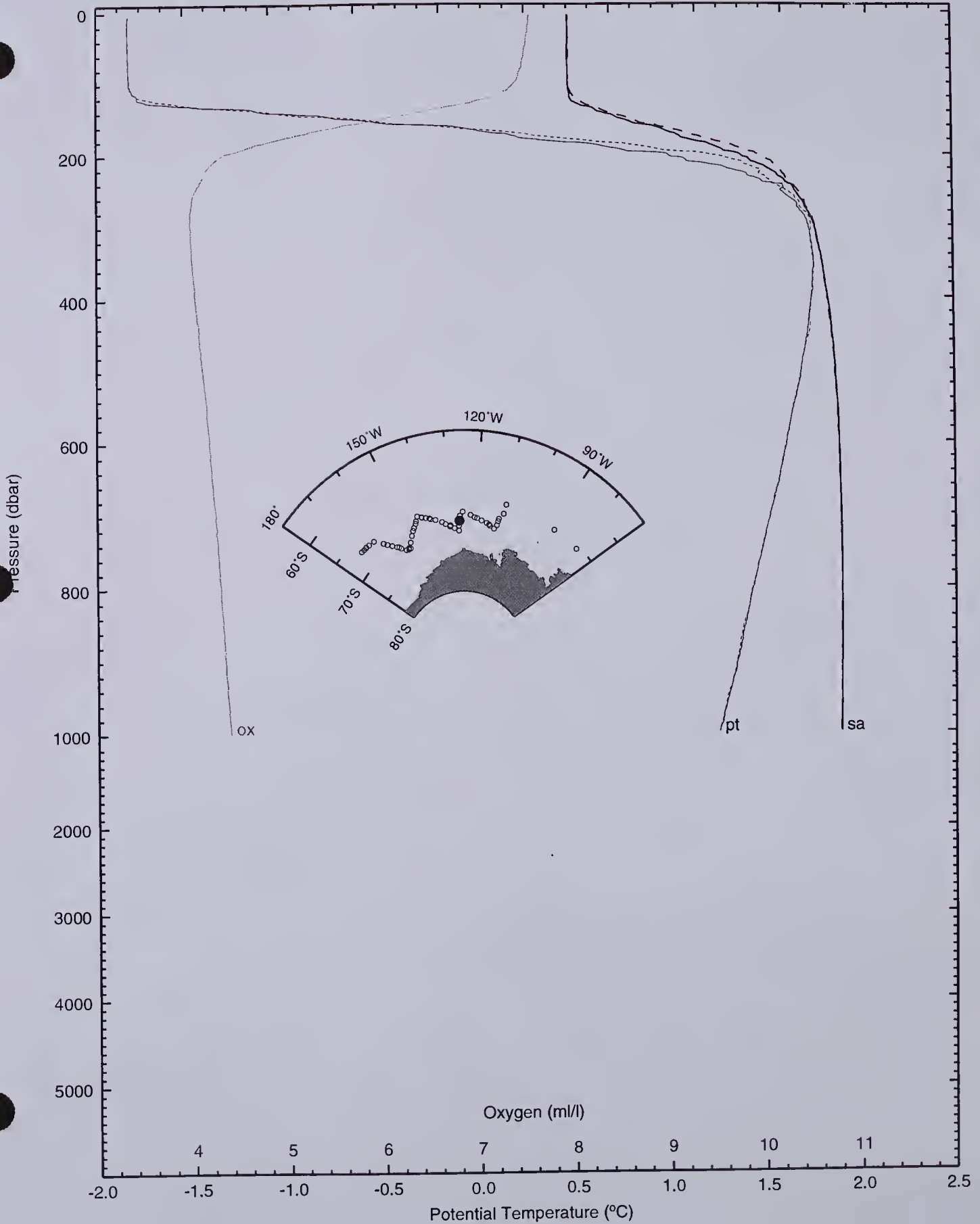
SHCRUS NP9405	STNM 21U	YR/MO/DA 94/09/25	GTIME 20:22	LATITUDE -68.885	LONGITUDE -126.603	DPTH	HT	BARO 987	WND 255	WNS 12	AIRTM -25.0	PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
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6	-1.833	-1.833	0.042	0.038	34.104	7.56	329	27.453	29.853	32.226	36.891	61.8	0.004	1439.4	5
10	-1.833	-1.833	0.045	0.038	34.104	7.55	328	27.453	29.853	32.226	36.891	61.8	0.006	1439.5	9
20	-1.835	-1.835	0.051	0.036	34.104	7.55	328	27.454	29.853	32.226	36.891	61.7	0.012	1439.6	19
30	-1.834	-1.835	0.059	0.037	34.104	7.53	327	27.453	29.853	32.226	36.891	61.6	0.019	1439.8	29
40	-1.833	-1.834	0.068	0.038	34.104	7.52	327	27.453	29.853	32.226	36.891	61.6	0.025	1440.0	39
50	-1.833	-1.834	0.075	0.038	34.104	7.51	327	27.453	29.853	32.226	36.891	61.5	0.031	1440.1	49
60	-1.832	-1.834	0.084	0.039	34.103	7.50	326	27.453	29.853	32.225	36.891	61.5	0.037	1440.3	59
70	-1.829	-1.830	0.095	0.042	34.103	7.48	325	27.452	29.852	32.225	36.890	61.4	0.043	1440.5	69
80	-1.829	-1.830	0.103	0.042	34.103	7.46	324	27.453	29.852	32.225	36.890	61.4	0.049	1440.6	79
90	-1.828	-1.829	0.111	0.043	34.103	7.44	323	27.453	29.852	32.225	36.890	61.3	0.055	1440.8	89
100	-1.822	-1.824	0.125	0.049	34.104	7.40	322	27.453	29.853	32.226	36.890	61.2	0.062	1441.0	98
125	-1.623	-1.626	0.344	0.249	34.130	7.00	304	27.469	29.866	32.235	36.893	59.6	0.077	1442.4	123
150	-0.628	-0.633	1.364	1.251	34.247	6.00	261	27.528	29.909	32.262	36.890	54.3	0.091	1447.7	148
175	0.360	0.353	2.380	2.248	34.403	5.00	217	27.605	29.970	32.308	36.905	47.5	0.104	1452.8	173
200	1.217	1.207	3.263	3.113	34.542	4.31	187	27.663	30.015	32.340	36.912	42.5	0.115	1457.3	197
225	1.498	1.486	3.566	3.397	34.599	4.13	180	27.689	30.037	32.358	36.922	40.3	0.125	1459.0	222
250	1.629	1.616	3.718	3.530	34.635	4.03	175	27.709	30.054	32.373	36.933	38.6	0.135	1460.1	247
275	1.709	1.695	3.819	3.612	34.656	3.99	173	27.720	30.064	32.382	36.940	37.7	0.145	1460.9	271
300	1.766	1.750	3.895	3.670	34.675	3.98	173	27.731	30.074	32.391	36.947	36.9	0.154	1461.5	296
325	1.767	1.750	3.916	3.671	34.683	3.99	173	27.737	30.080	32.397	36.953	36.4	0.163	1462.0	321
350	1.781	1.762	3.949	3.686	34.691	4.00	174	27.743	30.086	32.403	36.958	36.0	0.172	1462.4	346
375	1.778	1.758	3.965	3.683	34.698	4.02	175	27.748	30.092	32.408	36.964	35.6	0.181	1462.8	370
400	1.771	1.750	3.977	3.676	34.703	4.03	175	27.753	30.097	32.414	36.969	35.2	0.190	1463.2	395
425	1.762	1.739	3.988	3.668	34.708	4.05	176	27.758	30.101	32.418	36.974	34.9	0.199	1463.6	420
450	1.760	1.736	4.005	3.666	34.713	4.07	177	27.762	30.105	32.423	36.978	34.6	0.207	1464.0	444
475	1.734	1.708	3.998	3.640	34.716	4.09	178	27.767	30.111	32.428	36.985	34.2	0.216	1464.3	469
500	1.719	1.692	4.002	3.625	34.719	4.11	178	27.770	30.115	32.432	36.989	34.0	0.224	1464.7	494
550	1.679	1.649	4.000	3.585	34.724	4.15	180	27.778	30.122	32.441	36.999	33.4	0.241	1465.3	543
600	1.644	1.611	4.002	3.551	34.727	4.17	181	27.783	30.128	32.447	37.006	33.1	0.258	1466.0	592
650	1.608	1.573	4.004	3.515	34.729	4.20	182	27.787	30.133	32.452	37.013	32.8	0.274	1466.7	642
700	1.563	1.525	3.997	3.470	34.731	4.24	184	27.792	30.139	32.459	37.020	32.5	0.291	1467.3	691
750	1.517	1.476	3.989	3.424	34.731	4.26	185	27.796	30.143	32.464	37.027	32.2	0.307	1467.9	740
800	1.475	1.431	3.984	3.382	34.732	4.29	186	27.800	30.148	32.469	37.033	32.0	0.323	1468.5	790
850	1.429	1.383	3.976	3.336	34.731	4.30	187	27.803	30.152	32.474	37.039				

Latitude 68 54 S  
Longitude 126 37 W

NP9405 021

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



Latitude 68 53 S  
Longitude 126 36 W

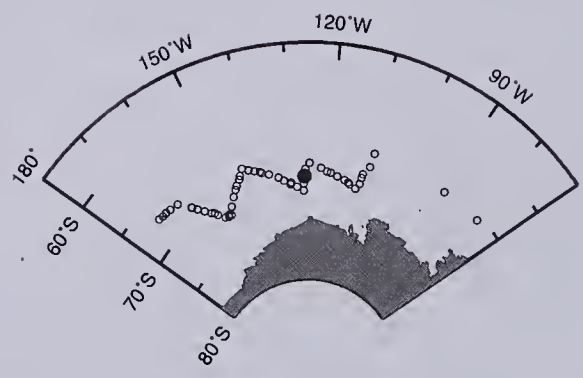
Salinity

NP9405 022

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Potential Temperature (°C)

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	23D	94/09/25	21:10	-68.883	-126.596			987	255	12	-25.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.834	-1.834	0.041	0.037	34.107	7.35	320	27.456	29.855	32.228	36.893	61.6	0.003	1439.4	4
10	-1.834	-1.834	0.044	0.037	34.107	7.35	319	27.456	29.855	32.228	36.893	61.5	0.006	1439.5	9
20	-1.833	-1.833	0.054	0.038	34.106	7.34	319	27.455	29.855	32.228	36.893	61.5	0.012	1439.7	19
30	-1.832	-1.833	0.061	0.039	34.106	7.32	318	27.455	29.855	32.228	36.893	61.4	0.018	1439.8	29
40	-1.831	-1.832	0.070	0.040	34.106	7.30	317	27.455	29.855	32.228	36.893	61.4	0.025	1440.0	39
50	-1.831	-1.832	0.078	0.040	34.106	7.29	317	27.455	29.855	32.228	36.893	61.3	0.031	1440.1	49
60	-1.831	-1.832	0.085	0.040	34.106	7.26	315	27.455	29.855	32.228	36.893	61.3	0.037	1440.3	59
70	-1.830	-1.832	0.093	0.041	34.106	7.23	314	27.455	29.855	32.228	36.893	61.2	0.043	1440.5	69
80	-1.829	-1.830	0.103	0.042	34.107	7.20	313	27.455	29.855	32.228	36.893	61.1	0.049	1440.6	79
90	-1.829	-1.831	0.110	0.042	34.106	7.15	311	27.455	29.855	32.228	36.893	61.0	0.055	1440.8	89
100	-1.827	-1.828	0.120	0.044	34.107	7.10	309	27.456	29.855	32.228	36.893	61.0	0.061	1441.0	98
125	-1.813	-1.816	0.152	0.058	34.108	6.81	296	27.456	29.856	32.228	36.892	60.8	0.077	1441.4	123
150	-0.717	-0.722	1.272	1.160	34.209	5.70	248	27.501	29.883	32.238	36.869	56.8	0.091	1447.2	148
175	0.127	0.120	2.143	2.011	34.350	4.76	207	27.575	29.944	32.285	36.890	50.2	0.105	1451.7	173
200	1.005	0.996	3.048	2.898	34.488	4.22	184	27.634	29.989	32.317	36.895	45.2	0.117	1456.3	197
225	1.437	1.426	3.505	3.335	34.582	4.03	175	27.680	30.029	32.351	36.916	41.1	0.127	1458.7	222
250	1.599	1.586	3.688	3.500	34.624	4.01	174	27.702	30.048	32.368	36.929	39.2	0.137	1459.9	247
275	1.723	1.708	3.833	3.626	34.657	3.98	173	27.719	30.063	32.381	36.938	37.8	0.147	1460.9	271
300	1.767	1.751	3.896	3.671	34.674	3.98	173	27.730	30.073	32.390	36.946	37.0	0.156	1461.5	296
325	1.785	1.768	3.934	3.689	34.685	4.00	174	27.737	30.080	32.397	36.952	36.4	0.165	1462.0	321
350	1.777	1.758	3.945	3.682	34.694	4.02	175	27.745	30.088	32.405	36.961	35.8	0.175	1462.4	346
375	1.774	1.754	3.961	3.679	34.700	4.02	175	27.751	30.094	32.411	36.966	35.3	0.183	1462.8	370
400	1.769	1.748	3.976	3.674	34.707	4.04	176	27.756	30.100	32.417	36.972	34.9	0.192	1463.2	395
425	1.761	1.738	3.987	3.667	34.712	4.06	176	27.762	30.105	32.422	36.978	34.5	0.201	1463.6	420
450	1.752	1.728	3.997	3.658	34.716	4.08	177	27.766	30.109	32.426	36.982	34.3	0.209	1464.0	444
475	1.734	1.709	3.998	3.640	34.719	4.10	178	27.769	30.113	32.430	36.987	34.0	0.218	1464.3	469
500	1.715	1.688	3.998	3.621	34.721	4.11	179	27.773	30.117	32.434	36.991	33.8	0.226	1464.7	494
525	1.678	1.649	3.999	3.585	34.725	4.15	180	27.779	30.123	32.442	37.000	33.4	0.243	1465.3	543
550	1.638	1.605	3.996	3.545	34.728	4.17	181	27.785	30.130	32.449	37.008	33.0	0.260	1466.0	592
600	1.591	1.556	3.987	3.498	34.731	4.22	183	27.790	30.136	32.456	37.016	32.6	0.276	1466.6	642
700	1.547	1.509	3.981	3.454	34.732	4.25	184	27.794	30.141	32.461	37.023	32.3	0.292	1467.2	691
750	1.507	1.466	3.978	3.414	34.732	4.26	185	27.798	30.145	32.466	37.029	32.1	0.308	1467.9	740
800	1.464	1.421	3.973	3.371	34.733	4.29	186	27.802	30.149	32.471	37.035	31.8	0.324	1468.5	790
850	1.425	1.379	3.972	3.332	34.732	4.31	187	27.804	30.153	32.475	37.040	31.7	0.340	1469.1	839
900	1.381	1.331	3.965	3.288	34.732	4.34	188	27.807	30.156	32.479	37.046	31.5	0.356	1469.8	888
950	1.345	1.293	3.968	3.252	34.731	4.36	189	27.809	30.159	32.482	37.050	31.3	0.372	1470.4	938
1000	1.309	1.254	3.969	3.216	34.731	4.39	191	27.812	30.162	32.486	37.055	31.2	0.387	1471.1	987
1004	1.308	1.253	3.971	3.215	34.730	4.39	191	27.811	30.162	32.486	37.055	31.2	0.389	1471.2	991

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	23U	94/09/25	21:54	-68.878	-126.588			987	255	12	-25.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.832	-1.832	0.043	0.039	34.106	7.35	320	27.455	29.855	32.228	36.893	61.6	0.003	1439.4	4
10	-1.832	-1.833	0.046	0.039	34.106	7.35	319	27.455	29.855	32.227	36.892	61.6	0.006	1439.5	9
20	-1.832	-1.832	0.054	0.039	34.106	7.34	319	27.455	29.854	32.227	36.892	61.6	0.012	1439.7	19
30	-1.831	-1.831	0.063	0.040	34.105	7.32	318	27.454	29.854	32.227	36.892	61.5	0.018	1439.8	29
40	-1.829	-1.830	0.072	0.042	34.105	7.30	317	27.454	29.854	32.227	36.892	61.5	0.025	1440.0	39
50	-1.827	-1.828	0.082	0.044	34.105	7.29	317	27.454	29.854	32.227	36.892	61.4	0.031	1440.2	49
60	-1.827	-1.828	0.089	0.044	34.105	7.26	315	27.454	29.854	32.227	36.892	61.3	0.037	1440.3	59
70	-1.825	-1.827	0.098	0.046	34.105	7.23	314	27.454	29.854	32.227	36.892	61.3	0.043	1440.5	69
80	-1.825	-1.826	0.107	0.046	34.106	7.20	313	27.454	29.854	32.227	36.892	61.2	0.049	1440.7	79
90	-1.824	-1.825	0.115	0.047	34.106	7.15	311	27.455	29.854	32.227	36.892	61.1	0.055	1440.8	89
100	-1.819	-1.821	0.127	0.052	34.107	7.10	309	27.455	29.855	32.227	36.892	61.0	0.061	1441.0	98
125	-1.781	-1.783	0.185	0.091	34.117	6.81	296	27.462	29.861	32.233	36.897	60.2	0.077	1441.6	123
150	-0.632	-0.637	1.360	1.247	34.246	5.70	248	27.527	29.908	32.261	36.889	54.4	0.091	1447.6	148
175	0.550	0.543	2.571	2.438	34.410	4.76	207	27.599	29.961	32.297	36.888	48.1	0.104	1453.7	173
200	1.288	1.278	3.335	3.185	34.551	4.22	184	27.666	30.016	32.340	36.910	42.3	0.115	1457.6	197
225	1.601	1.589	3.670	3.501	34.617	4.03	175	27.697	30.043	32.362	36.923	39.7	0.125	1459.5	222
250	1.650	1.638	3.740	3.552	34.639	4.01	174	27.710	30.056	32.374	36.933	38.5	0.135	1460.2	247
275	1.747	1.733	3.857	3.650	34.663	3.98	173	27.722	30.066	32.383	36.940	37.6	0.144	1461.0	271
300	1.777	1.761	3.907	3.681	34.678	3.98	173	27.732	30.075	32.392	36.948	36.8	0.154	1461.6	296
325	1.798	1.780	3.947	3.702	34.688	4.00	174	27.739	30.082	32.399	36.953	36.2	0.163	1462.1	321
350	1.796	1.778	3.965	3.701	34.697	4.02	175	27.746	30.089	32.406	36.960	35.7	0.172	1462.5	346
375	1.774	1.754	3.962	3.679	34.700	4.02	175	27.750	30.094	32.411	36.966	35.4	0.181	1462.8	370
400	1.769	1.748	3.975	3.674	34.705	4.04	176	27.755	30.098	32.415	36.971	35.1	0.190	1463.2	395
425	1.764	1.741	3.989	3.670	34.711	4.06	176	27.760	30.104	32.421	36.976	34.7	0.198	1463.6	420
450	1.749	1.725	3.994	3.655	34.716	4.08	177	27.765	30.109	32.426	36.982	34.3	0.207	1464.0	444
475	1.732	1.707	3.996	3.638	34.718	4.10	178	27.769	30.113	32.430	36.987	34.0	0.215	1464.3	469
500	1.712	1.685	3.995	3.618	34.720	4.11	179	27.772	30.116	32.434	36.991	33.8	0.224	1464.6	494
550	1.675	1.645	3.996	3.582	34.725	4.15	180	27.779	30.123	32.442	37.000	33.4	0.241	1465.3	543
600	1.636	1.603	3.994	3.543	34.728	4.17	181	27.784	30.130	32.448	37.008	33.0	0.257	1466.0	592
650	1.584	1.548	3.980	3.491	34.730	4.22	183	27.790	30.136	32.456	37.017	32.6	0.274	1466.6	642
700	1.540	1.502	3.974	3.447	34.731	4.25	184	27.794	30.141	32.462	37.024	32.3	0.290	1467.2	691
750	1.504	1.463	3.												

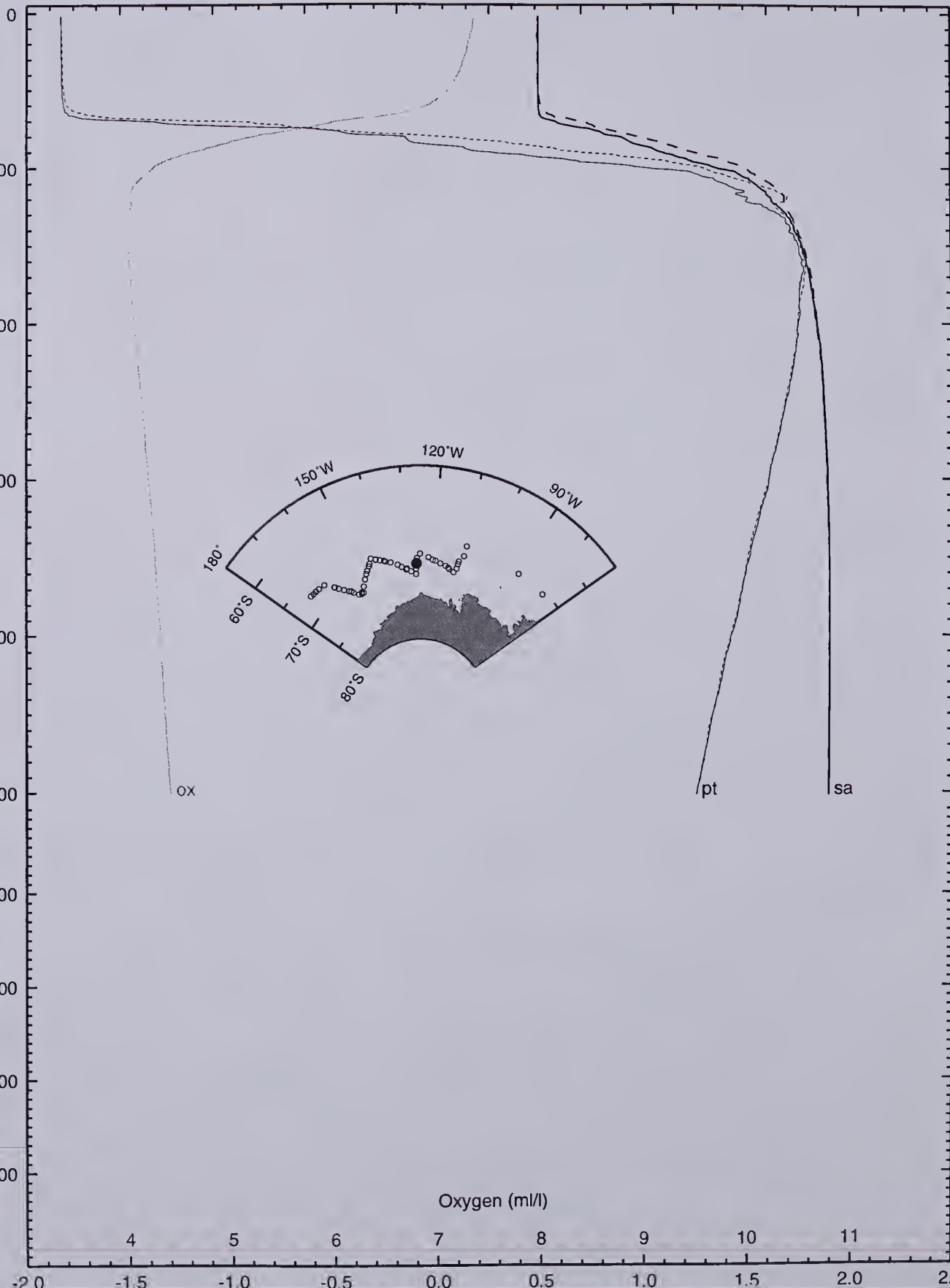
Latitude 68 53 S  
Longitude 126 36 W

NP9405 023

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	24D	94/09/25	21:57	-68.878	-126.587			987	255	12	-25.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.833	-1.833	0.042	0.038	34.108	7.33	319	27.456	29.856	32.229	36.894	61.5	0.003	1439.4	4
10	-1.834	-1.834	0.044	0.037	34.108	7.33	318	27.456	29.856	32.229	36.894	61.5	0.006	1439.5	9
20	-1.833	-1.833	0.053	0.038	34.107	7.33	318	27.456	29.856	32.229	36.894	61.4	0.012	1439.6	19
30	-1.833	-1.833	0.061	0.038	34.107	7.30	317	27.456	29.856	32.228	36.893	61.4	0.018	1439.8	29
40	-1.833	-1.833	0.069	0.038	34.108	7.28	316	27.456	29.856	32.229	36.894	61.3	0.025	1440.0	39
50	-1.829	-1.830	0.079	0.042	34.107	7.25	315	27.456	29.855	32.228	36.893	61.3	0.031	1440.2	49
60	-1.830	-1.831	0.087	0.041	34.107	7.23	314	27.456	29.855	32.228	36.893	61.2	0.037	1440.3	59
70	-1.830	-1.831	0.094	0.041	34.107	7.20	313	27.456	29.855	32.228	36.893	61.1	0.043	1440.5	69
80	-1.830	-1.831	0.102	0.041	34.107	7.16	311	27.456	29.855	32.228	36.893	61.1	0.049	1440.6	79
90	-1.827	-1.829	0.112	0.044	34.107	7.11	309	27.456	29.856	32.228	36.893	61.0	0.055	1440.8	89
100	-1.826	-1.828	0.120	0.045	34.107	7.05	306	27.456	29.856	32.228	36.893	60.9	0.061	1441.0	98
125	-1.808	-1.810	0.158	0.063	34.109	6.69	291	27.457	29.856	32.228	36.893	60.7	0.076	1441.5	123
150	-0.842	-0.847	1.147	1.035	34.203	5.85	254	27.501	29.885	32.242	36.876	56.8	0.091	1446.6	148
175	0.392	0.385	2.410	2.278	34.370	4.83	210	27.576	29.941	32.279	36.875	50.2	0.105	1452.9	173
200	1.127	1.117	3.171	3.021	34.510	4.31	187	27.644	29.997	32.324	36.898	44.3	0.116	1456.8	197
225	1.500	1.488	3.568	3.399	34.597	4.12	179	27.688	30.035	32.356	36.920	40.5	0.127	1459.0	222
250	1.726	1.713	3.816	3.628	34.644	4.05	176	27.708	30.052	32.370	36.927	38.7	0.137	1460.5	247
275	1.744	1.730	3.854	3.647	34.660	4.02	175	27.720	30.064	32.381	36.937	37.8	0.146	1461.0	271
300	1.781	1.766	3.911	3.685	34.677	4.03	175	27.731	30.074	32.391	36.946	36.9	0.156	1461.6	296
325	1.799	1.782	3.948	3.704	34.690	4.04	176	27.740	30.083	32.400	36.954	36.1	0.165	1462.1	321
350	1.796	1.777	3.964	3.701	34.698	4.06	176	27.747	30.090	32.407	36.962	35.6	0.174	1462.5	346
375	1.775	1.755	3.963	3.680	34.702	4.08	177	27.752	30.095	32.412	36.968	35.2	0.183	1462.8	370
400	1.764	1.743	3.971	3.670	34.708	4.10	178	27.757	30.101	32.418	36.973	34.8	0.191	1463.2	395
425	1.755	1.732	3.981	3.661	34.711	4.11	178	27.761	30.105	32.422	36.978	34.6	0.200	1463.6	420
450	1.745	1.721	3.990	3.651	34.715	4.13	180	27.765	30.109	32.426	36.983	34.3	0.209	1464.0	444
475	1.734	1.709	3.998	3.640	34.719	4.15	180	27.769	30.113	32.430	36.987	34.0	0.217	1464.3	469
500	1.714	1.687	3.996	3.620	34.721	4.17	181	27.773	30.117	32.435	36.992	33.8	0.226	1464.6	494
550	1.673	1.643	3.993	3.580	34.726	4.20	183	27.780	30.124	32.443	37.001	33.3	0.242	1465.3	543
600	1.638	1.605	3.996	3.545	34.729	4.23	184	27.785	30.130	32.449	37.008	32.9	0.259	1466.0	592
650	1.598	1.562	3.994	3.505	34.731	4.26	185	27.790	30.135	32.455	37.015	32.6	0.275	1466.6	642
700	1.552	1.514	3.986	3.459	34.732	4.29	187	27.794	30.141	32.461	37.023	32.3	0.292	1467.2	691
750	1.506	1.465	3.978	3.413	34.733	4.33	188	27.798	30.145	32.466	37.029	32.0	0.308	1467.9	740
800	1.470	1.427	3.979	3.377	34.733	4.36	189	27.801	30.149	32.470	37.034	31.9	0.324	1468.5	790
850	1.428	1.381	3.975	3.335	34.733	4.37	190	27.804	30.153	32.475	37.040	31.7	0.340	1469.2	839
900	1.389	1.339	3.973	3.296	34.732	4.40	191	27.807	30.156	32.478	37.045	31.5	0.355	1469.8	888
950	1.347	1.295	3.970	3.254	34.731	4.43	193	27.809	30.159	32.482	37.050	31.3	0.371	1470.5	938
1000	1.317	1.262	3.977	3.224	34.731	4.46	194	27.811	30.161	32.485	37.054	31.3	0.387	1471.1	987
1002	1.315	1.260	3.977	3.222	34.731	4.46	194	27.811	30.161	32.485	37.054	31.3	0.387	1471.2	989

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	24U	94/09/25	22:41	-68.875	-126.579			987	255	12	-25.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.831	-1.831	0.044	0.040	34.107	7.33	319	27.456	29.855	32.228	36.893	61.6	0.003	1439.4	4
10	-1.832	-1.832	0.047	0.039	34.107	7.33	318	27.455	29.855	32.228	36.893	61.6	0.006	1439.5	9
20	-1.831	-1.832	0.055	0.040	34.107	7.33	318	27.455	29.855	32.228	36.893	61.5	0.012	1439.7	19
30	-1.831	-1.831	0.063	0.040	34.107	7.30	317	27.455	29.855	32.228	36.893	61.4	0.018	1439.8	29
40	-1.829	-1.829	0.073	0.042	34.106	7.28	316	27.455	29.854	32.227	36.892	61.4	0.025	1440.0	39
50	-1.829	-1.829	0.080	0.042	34.106	7.25	315	27.455	29.854	32.227	36.892	61.4	0.031	1440.2	49
60	-1.826	-1.827	0.090	0.045	34.106	7.23	314	27.455	29.854	32.227	36.892	61.3	0.037	1440.3	59
70	-1.823	-1.824	0.101	0.048	34.106	7.20	313	27.455	29.855	32.227	36.892	61.2	0.043	1440.5	69
80	-1.821	-1.823	0.110	0.050	34.106	7.16	311	27.455	29.855	32.227	36.892	61.1	0.049	1440.7	79
90	-1.820	-1.821	0.119	0.051	34.107	7.11	309	27.456	29.855	32.228	36.892	61.0	0.055	1440.8	89
100	-1.815	-1.817	0.131	0.056	34.108	7.05	306	27.456	29.856	32.228	36.893	60.9	0.061	1441.0	98
125	-1.639	-1.641	0.328	0.234	34.132	6.69	291	27.471	29.868	32.237	36.896	59.4	0.076	1442.3	123
150	-0.860	-0.864	1.131	1.018	34.224	5.85	254	27.519	29.903	32.260	36.895	55.1	0.091	1446.5	148
175	0.452	0.445	2.472	2.339	34.393	4.83	210	27.592	29.955	32.292	36.887	48.8	0.104	1453.2	173
200	1.202	1.193	3.248	3.098	34.534	4.31	187	27.657	30.009	32.335	36.907	43.0	0.115	1457.2	197
225	1.538	1.526	3.607	3.438	34.604	4.12	179	27.691	30.038	32.358	36.921	40.2	0.126	1459.2	222
250	1.671	1.659	3.761	3.572	34.636	4.05	176	27.707	30.052	32.370	36.929	38.9	0.135	1460.2	247
275	1.755	1.740	3.865	3.658	34.660	4.02	175	27.719	30.063	32.380	36.936	37.9	0.145	1461.1	271
300	1.772	1.756	3.901	3.675	34.674	4.03	175	27.730	30.073	32.390	36.946	37.0	0.154	1461.6	296
325	1.792	1.775	3.941	3.696	34.688	4.04	176	27.739	30.082	32.399	36.954	36.2	0.164	1462.1	321
350	1.799	1.780	3.967	3.704	34.696	4.06	176	27.745	30.088	32.404	36.959	35.8	0.173	1462.5	346
375	1.776	1.756	3.963	3.681	34.700	4.08	177	27.751	30.094	32.411	36.966	35.4	0.181	1462.8	370
400	1.764	1.743	3.971	3.669	34.706	4.10	178	27.756	30.100	32.417	36.972	34.9	0.190	1463.2	395
425	1.756	1.734	3.982	3.662	34.710	4.11	178	27.760	30.104	32.421	36.977	34.7	0.199	1463.6	420
450	1.746	1.721	3.990	3.652	34.715	4.13	180	27.765	30.108	32.426	36.982	34.3	0.208	1464.0	444
475	1.732	1.706	3.996	3.638	34.718	4.15	180	27.769	30.113	32.430	36.987	34.0	0.216	1464.3	469
500	1.711	1.684	3.994	3.617	34.721	4.17	181	27.772	30.117	32.434	36.992	33.8	0.225	1464.6	494
550	1.670	1.640	3.991	3.577	34.725	4.20	183	27.779	30.124	32.442	37.001	33.3	0.241	1465.3	543
600	1.638	1.606	3.997	3.545	34.728	4.23	184	27.784	30.129	32.448	37.007	33.0	0.258	1466.0	592
650	1.597	1.562	3.993	3.504	34.730	4.26	185	27.789	30.135	32.454	37.015	32.7	0.274	1466.6	642
700	1.548	1.510	3.982	3.455	34.731	4.29	187	27.794	30.141	32.461	37.023	32.3	0.291	1467.2	691
750	1.507	1.466	3.978	3.414	34.732	4.33	188	27.798	30.145	32.466	37.029	32.1	0.307	1467.9	740
800	1.464	1.421	3.973	3.371	34.732	4.36									

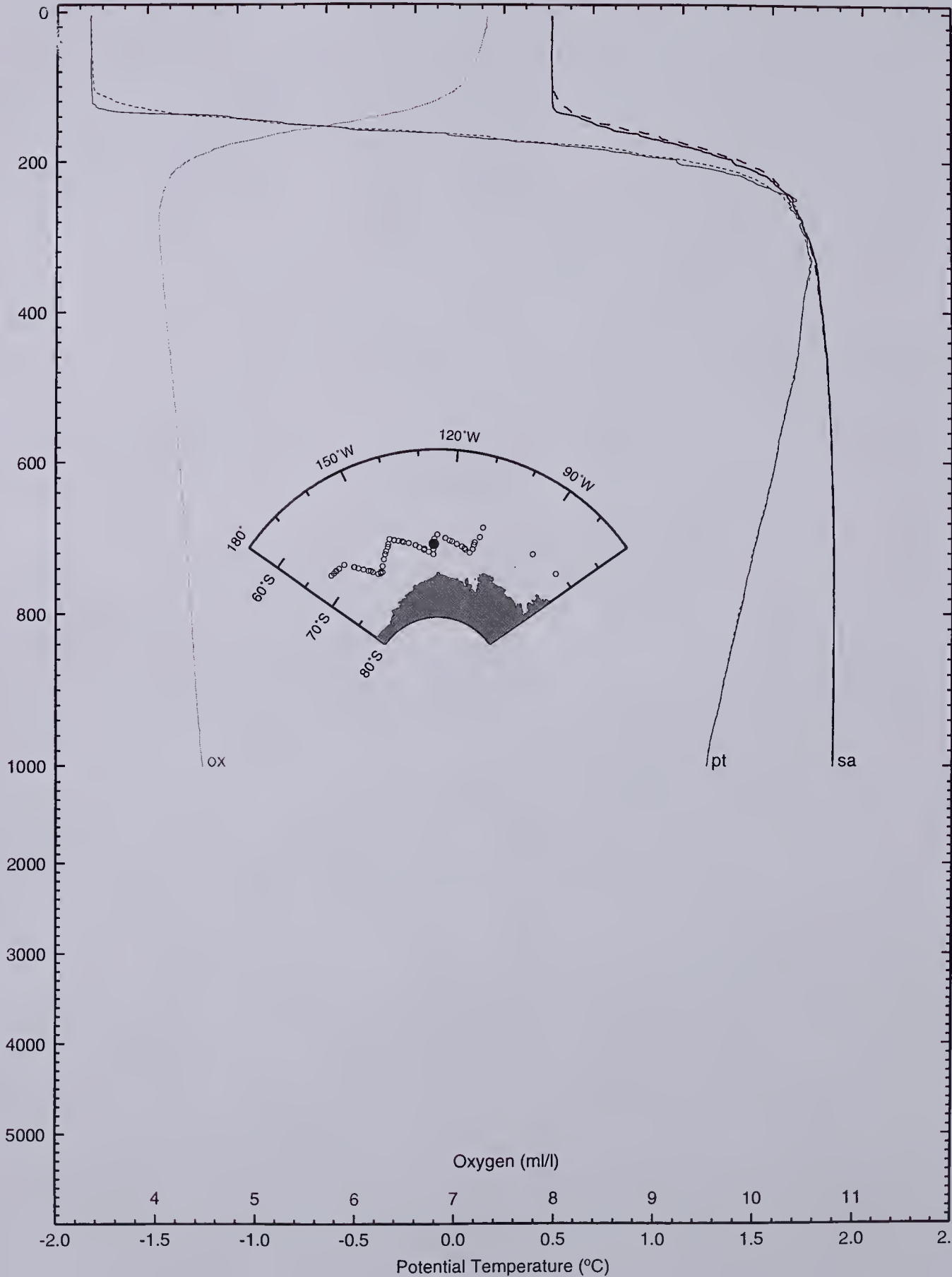
Latitude 68 53 S  
Longitude 126 35 W

Salinity

NP9405 024

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)







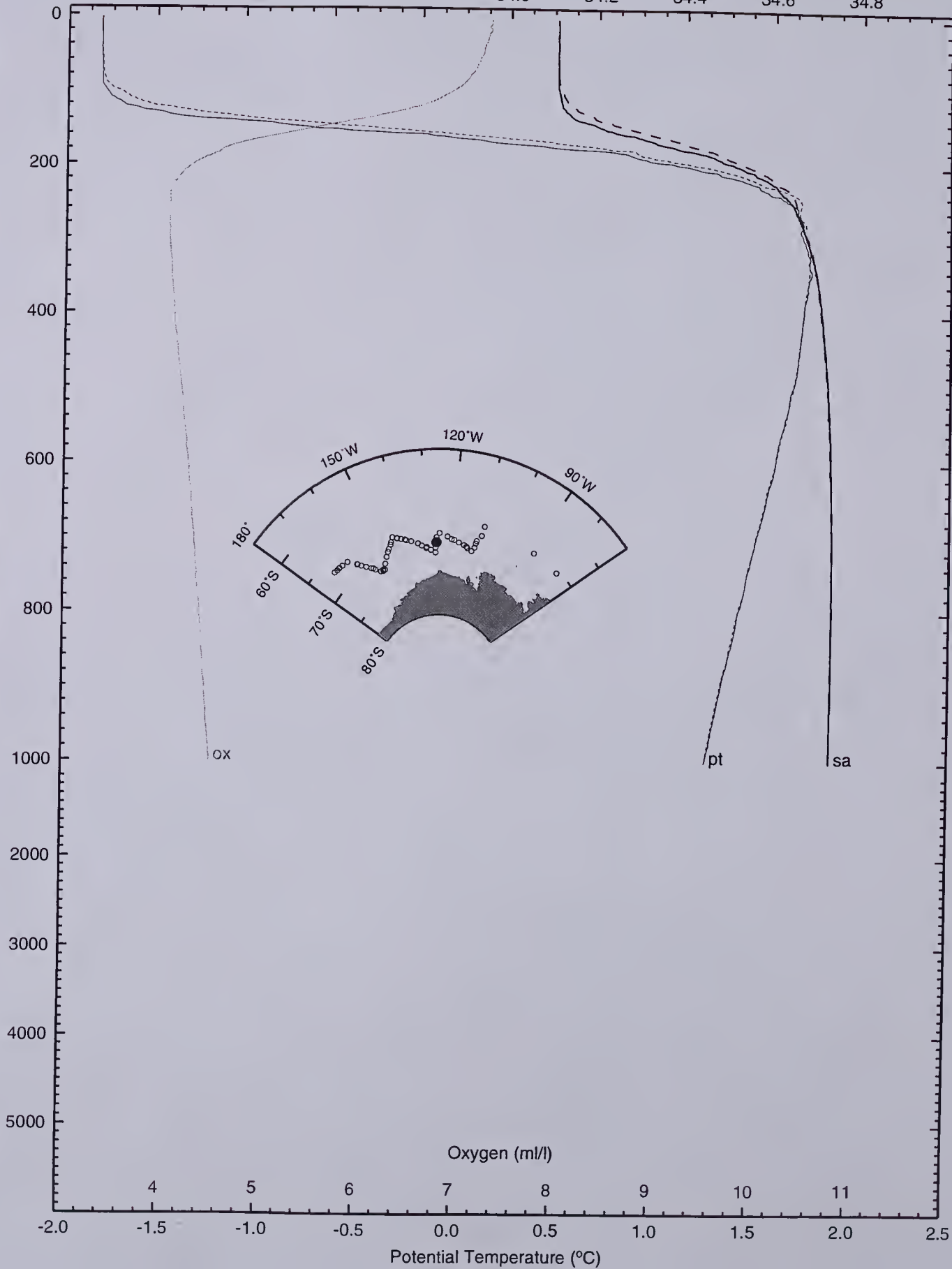
Latitude 68 52 S  
Longitude 126 35 W

Salinity

NP9405 025

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)



Latitude 68 52 S  
Longitude 126 35 W

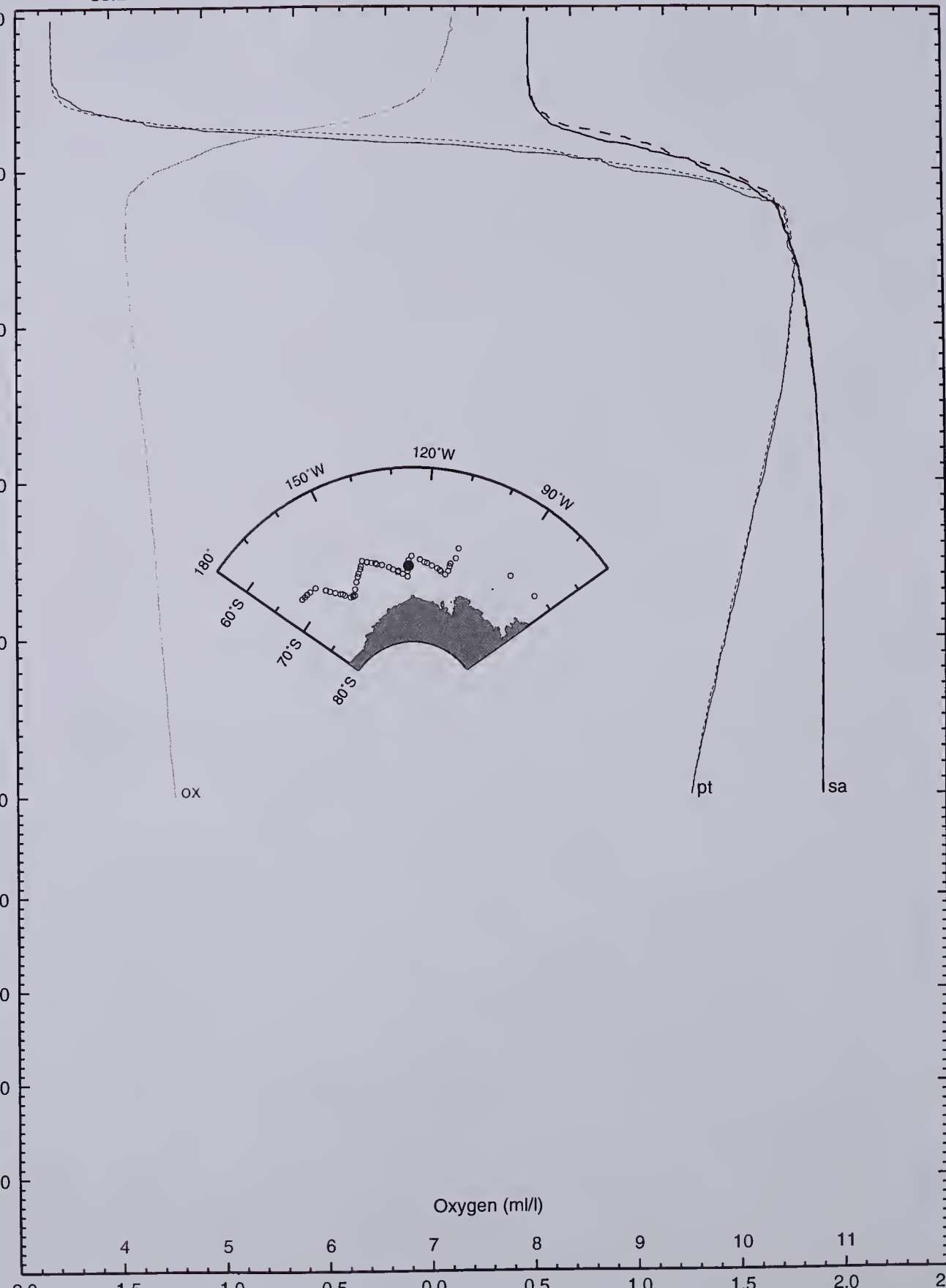
Salinity

NP9405 026

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Potential Temperature (°C)



Latitude 68 52 S  
Longitude 126 33 W

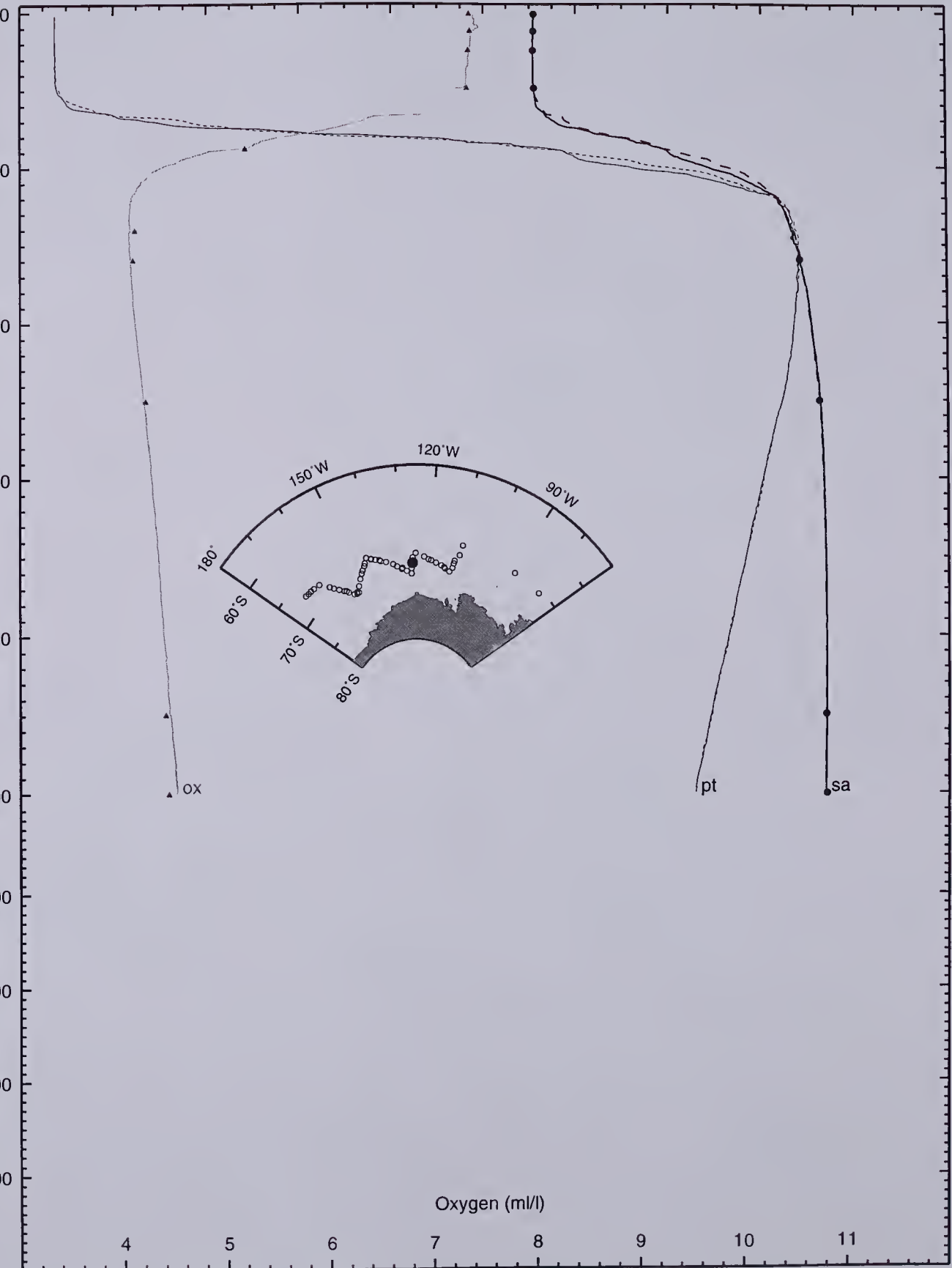
Salinity

NP9405 027

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



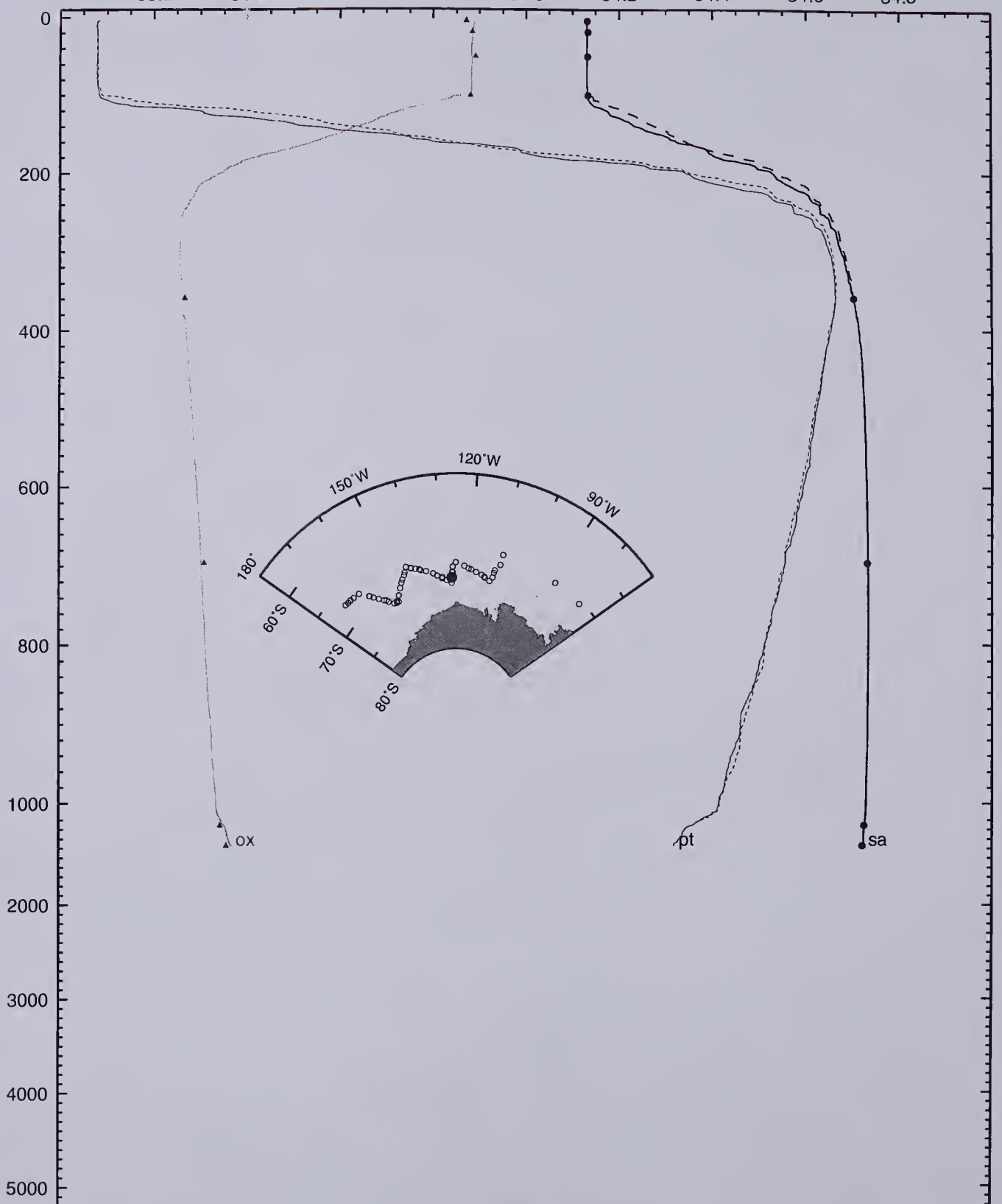
Latitude 69 42 S  
Longitude 126 58 W

NP9405 028

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Salinity

Pressure (dbar)



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)



SHCRUS NP9405	STNM 29D	YR/MO/DA 94/09/26	GTIME 21:37	LATITUDE -70.436	LONGITUDE -126.970	DEPTH 3730	HT 10	BARO 984	WIND 270	WNS 2	AIRTM -23.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DEPTH
cbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.814	-1.814	0.062	0.058	34.126	6.90	300	27.471	29.870	32.243	36.907	60.1	0.002	1439.5	3
10	-1.815	-1.815	0.065	0.057	34.126	6.88	299	27.471	29.870	32.243	36.907	60.1	0.006	1439.6	9
20	-1.816	-1.816	0.072	0.056	34.127	6.88	299	27.471	29.871	32.243	36.907	60.0	0.012	1439.8	19
30	-1.816	-1.816	0.079	0.056	34.127	6.84	297	27.471	29.871	32.243	36.907	59.9	0.018	1439.9	29
40	-1.814	-1.815	0.088	0.058	34.127	6.84	297	27.472	29.871	32.243	36.908	59.8	0.024	1440.1	39
50	-1.814	-1.815	0.096	0.058	34.127	6.81	296	27.472	29.871	32.243	36.908	59.8	0.030	1440.3	49
60	-1.813	-1.814	0.104	0.059	34.128	6.78	294	27.472	29.871	32.244	36.908	59.7	0.036	1440.4	59
70	-1.812	-1.814	0.113	0.060	34.128	6.74	293	27.472	29.872	32.244	36.908	59.6	0.042	1440.6	69
80	-1.811	-1.812	0.122	0.061	34.128	6.69	291	27.472	29.872	32.244	36.908	59.5	0.048	1440.8	79
90	-1.810	-1.812	0.130	0.062	34.128	6.65	289	27.473	29.872	32.244	36.908	59.4	0.054	1440.9	89
100	-1.809	-1.811	0.139	0.063	34.128	6.49	282	27.473	29.872	32.244	36.908	59.4	0.060	1441.1	98
125	-1.276	-1.278	0.694	0.599	34.175	5.91	257	27.495	29.886	32.249	36.897	57.3	0.074	1444.1	123
150	-0.321	-0.326	1.674	1.561	34.296	5.38	234	27.554	29.929	32.278	36.896	52.0	0.088	1449.2	148
175	0.444	0.436	2.464	2.333	34.414	4.85	211	27.609	29.972	32.309	36.904	47.2	0.100	1453.2	173
200	1.009	1.000	3.054	2.903	34.511	4.52	197	27.652	30.007	32.336	36.913	43.4	0.112	1456.3	197
225	1.347	1.336	3.414	3.245	34.577	4.21	183	27.683	30.032	32.355	36.923	40.8	0.122	1458.3	222
250	1.639	1.627	3.729	3.542	34.642	4.12	179	27.713	30.059	32.378	36.937	38.2	0.132	1460.1	247
275	1.731	1.717	3.841	3.634	34.666	4.12	179	27.726	30.070	32.388	36.944	37.2	0.142	1461.0	271
300	1.750	1.734	3.880	3.654	34.679	4.12	179	27.735	30.079	32.396	36.952	36.5	0.151	1461.5	296
325	1.754	1.737	3.903	3.658	34.689	4.12	179	27.743	30.087	32.404	36.960	35.8	0.160	1461.9	321
350	1.755	1.737	3.924	3.660	34.696	4.13	180	27.748	30.092	32.409	36.965	35.4	0.169	1462.3	346
375	1.750	1.730	3.938	3.655	34.703	4.15	180	27.754	30.098	32.415	36.971	35.0	0.177	1462.7	370
400	1.739	1.717	3.946	3.645	34.709	4.16	181	27.760	30.104	32.421	36.978	34.5	0.186	1463.1	395
425	1.728	1.705	3.953	3.634	34.712	4.17	181	27.764	30.108	32.426	36.982	34.3	0.195	1463.5	420
450	1.717	1.692	3.962	3.623	34.716	4.18	182	27.768	30.112	32.430	36.987	34.0	0.203	1463.8	444
475	1.697	1.671	3.961	3.603	34.720	4.19	182	27.773	30.117	32.435	36.992	33.7	0.212	1464.2	469
500	1.679	1.652	3.962	3.585	34.723	4.21	183	27.777	30.121	32.439	36.997	33.4	0.220	1464.5	494
550	1.631	1.601	3.952	3.538	34.727	4.24	184	27.784	30.129	32.448	37.007	32.8	0.237	1465.1	543
600	1.594	1.562	3.952	3.501	34.730	4.25	185	27.789	30.134	32.454	37.014	32.5	0.253	1465.8	592
650	1.547	1.512	3.943	3.454	34.731	4.27	185	27.793	30.140	32.460	37.022	32.2	0.269	1466.4	642
700	1.506	1.468	3.940	3.413	34.731	4.29	186	27.797	30.144	32.465	37.028	32.0	0.285	1467.0	691
750	1.464	1.423	3.936	3.371	34.732	4.30	187	27.801	30.148	32.470	37.034	31.7	0.301	1467.7	740
800	1.418	1.375	3.928	3.325	34.732	4.33	188	27.804	30.152	32.474	37.040	31.5	0.317	1468.3	790
850	1.373	1.327	3.920	3.280	34.731	4.34	189	27.807	30.156	32.479	37.046	31.3	0.333	1468.9	839
900	1.329	1.280	3.913	3.236	34.730	4.36	189	27.810	30.160	32.483	37.051	31.1	0.348	1469.5	888
950	1.292	1.241	3.914	3.199	34.730	4.37	190	27.812	30.162	32.486	37.055	31.0	0.364	1470.2	937
1000	1.258	1.204	3.918	3.165	34.729	4.39	191	27.814	30.165	32.489	37.060	30.9	0.379	1470.9	987
1100	1.194	1.133	3.929	3.101	34.727	4.43	192	27.817	30.169	32.495	37.067	30.7	0.410	1472.2	1085
1200	1.143	1.077	3.953	3.050	34.726	4.44	193	27.820	30.173	32.499	37.073	30.6	0.441	1473.7	1184
1300	1.093	1.020	3.978	2.999	34.724	4.47	194	27.822	30.176	32.503	37.079	30.4	0.471	1475.1	1282
1400	1.044	0.966	4.005	2.950	34.722	4.50	196	27.825	30.179	32.507	37.084	30.3	0.501	1476.6	1380
1500	0.994	0.909	4.030	2.900	34.721	4.51	196	27.827	30.182	32.511	37.090	30.1	0.532	1478.0	1479
1600	0.949	0.858	4.060	2.855	34.719	4.53	197	27.829	30.185	32.515	37.095	30.0	0.562	1479.5	1577
1700	0.904	0.806	4.090	2.810	34.718	4.57	198	27.831	30.188	32.518	37.100	29.8	0.592	1480.9	1675
1800	0.861	0.756	4.122	2.767	34.716	4.59	200	27.833	30.191	32.521	37.105	29.7	0.621	1482.4	1773
1900	0.814	0.703	4.150	2.720	34.715	4.62	201	27.835	30.193	32.525	37.110	29.4	0.651	1483.9	1871
2000	0.775	0.657	4.187	2.681	34.713	4.64	202	27.837	30.196	32.528	37.114	29.3	0.680	1485.4	1969
2100	0.736	0.611	4.223	2.642	34.712	4.67	203	27.839	30.199	32.532	37.119	29.0	0.709	1486.9	2068
2200	0.700	0.568	4.262	2.606	34.711	4.68	204	27.841	30.201	32.535	37.123	28.8	0.738	1488.4	2166
2300	0.663	0.524	4.301	2.569	34.710	4.70	204	27.843	30.204	32.538	37.128	28.6	0.767	1490.0	2263
2400	0.635	0.488	4.348	2.541	34.710	4.73	205	27.845	30.206	32.541	37.132	28.4	0.796	1491.5	2361
2500	0.601	0.447	4.389	2.507	34.709	4.74	206	27.846	30.209	32.544	37.136	28.2	0.824	1493.1	2459
2600	0.573	0.411	4.436	2.479	34.709	4.76	207	27.848	30.211	32.547	37.140	27.9	0.852	1494.6	2557
2700	0.541	0.372	4.480	2.447	34.708	4.78	208	27.850	30.213	32.550	37.144	27.7	0.880	1496.2	2655
2800	0.514	0.337	4.528	2.420	34.708	4.79	208	27.852	30.215	32.553	37.148	27.5	0.907	1497.8	2753
2900	0.496	0.310	4.585	2.402	34.708	4.80	209	27.853	30.217	32.555	37.151	27.3	0.935	1499.4	2850
3000	0.478	0.284	4.643	2.384	34.707	4.82	209	27.854	30.219	32.557	37.153	27.2	0.962	1501.0	2948
3200	0.448	0.237	4.763	2.353	34.707	4.85	211	27.857	30.222	32.561	37.159	26.9	1.016	1504.3	3143
3400	0.426	0.196	4.891	2.331	34.707	4.88	212	27.859	30.225	32.564	37.163	26.8	1.070	1507.7	3338
3600	0.405	0.157	5.021	2.310	34.706	4.90	213	27.861	30.227	32.567	37.167	26.6	1.123	1511.0	3533
3788	0.358	0.093	5.116	2.263	34.706	4.99	217	27.864	30.231	32.572	37.174	26.1	1.173	1514.1	3716

SHCRUS NP9405	STNM 29U	YR/MO/DA 94/09/27	GTIME 00:32	LATITUDE -70.436	LONGITUDE -126.970	DEPTH 3730	HT 10	BARO 984	WIND 270	WNS 2	AIRTM -23.0				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DEPTH
cbar	degC	pss	pss	ml/l	uM/kg	uM/kg	uM/kg	uM/kg	uM/kg	uatm	pM/kg	pM/kg	pM/kg		m
2	-1.823	34.126	34.127	6.79	300	60.4	1.97	29.2	2201	518	5.00	2.46	0.46	18	2
25	-1.823	34.126	34.126	6.76	297	61.4	2.00	29.0	2201	528				17	2

Latitude 70 26 S  
Longitude 126 58 W

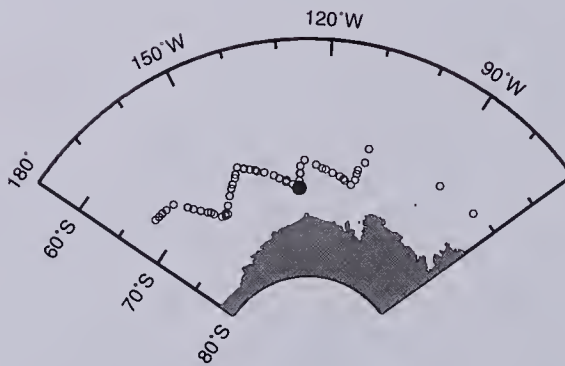
NP9405 029

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	30D	94/09/27	09:43	-70.018	-128.991			990	240	7	-27.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	psv	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.821	-1.821	0.057	0.052	34.136	6.79	295	27.479	29.878	32.250	36.915	59.4	0.001	1439.5	5
10	-1.822	-1.822	0.058	0.051	34.136	6.79	295	27.479	29.878	32.251	36.915	59.3	0.000	1439.6	9
20	-1.822	-1.822	0.066	0.051	34.136	6.80	296	27.479	29.878	32.251	36.915	59.3	0.012	1439.7	19
30	-1.822	-1.822	0.074	0.051	34.136	6.81	296	27.479	29.878	32.251	36.915	59.2	0.018	1439.9	29
40	-1.822	-1.823	0.081	0.051	34.136	6.81	296	27.479	29.878	32.251	36.915	59.1	0.024	1440.1	39
50	-1.822	-1.823	0.088	0.051	34.136	6.82	297	27.479	29.878	32.251	36.915	59.1	0.030	1440.2	49
60	-1.821	-1.822	0.097	0.052	34.136	6.82	296	27.479	29.879	32.251	36.915	59.0	0.036	1440.4	59
70	-1.819	-1.821	0.106	0.054	34.136	6.80	296	27.479	29.879	32.251	36.915	58.9	0.041	1440.6	69
80	-1.815	-1.816	0.118	0.058	34.136	6.76	294	27.479	29.879	32.251	36.915	58.8	0.047	1440.7	79
90	-1.562	-1.564	0.379	0.312	34.155	6.57	285	27.487	29.882	32.251	36.907	58.1	0.053	1442.1	89
100	-1.174	-1.176	0.778	0.702	34.195	6.21	270	27.508	29.896	32.259	36.903	56.2	0.059	1444.2	98
125	-0.383	-0.387	1.593	1.499	34.295	5.64	245	27.556	29.933	32.282	36.902	51.8	0.072	1418.5	123
150	0.163	0.157	2.162	2.049	34.375	5.05	219	27.593	29.961	32.302	36.905	48.5	0.085	1451.5	148
175	0.749	0.742	2.772	2.641	34.465	4.67	203	27.632	29.991	32.323	36.909	45.1	0.097	1454.7	173
200	1.141	1.132	3.187	3.037	34.534	4.40	191	27.662	30.015	32.341	36.915	42.6	0.108	1456.9	197
225	1.449	1.438	3.518	3.348	34.590	4.26	185	27.685	30.033	32.355	36.920	40.6	0.118	1458.8	222
250	1.560	1.547	3.648	3.460	34.614	4.17	181	27.697	30.044	32.364	36.926	39.7	0.128	1459.7	247
275	1.662	1.648	3.771	3.564	34.643	4.15	180	27.713	30.058	32.376	36.935	38.4	0.138	1460.6	271
300	1.647	1.631	3.775	3.549	34.653	4.16	181	27.722	30.068	32.386	36.946	37.6	0.147	1461.0	296
325	1.687	1.670	3.834	3.590	34.665	4.14	180	27.729	30.074	32.392	36.950	37.1	0.157	1461.6	321
350	1.732	1.714	3.900	3.636	34.685	4.13	180	27.742	30.086	32.403	36.960	36.0	0.166	1462.2	346
375	1.720	1.700	3.907	3.625	34.698	4.15	180	27.753	30.097	32.415	36.972	35.0	0.175	1462.6	370
400	1.733	1.712	3.940	3.638	34.706	4.16	181	27.759	30.102	32.420	36.976	34.7	0.183	1463.1	395
425	1.716	1.693	3.942	3.622	34.713	4.18	182	27.766	30.110	32.428	36.985	34.1	0.192	1463.4	420
450	1.698	1.674	3.943	3.604	34.718	4.20	183	27.771	30.115	32.433	36.991	33.7	0.200	1463.8	444
475	1.677	1.652	3.941	3.583	34.721	4.22	183	27.775	30.120	32.438	36.996	33.4	0.209	1464.1	469
500	1.666	1.639	3.949	3.572	34.723	4.24	184	27.777	30.122	32.441	36.999	33.3	0.217	1464.4	494
550	1.645	1.616	3.966	3.553	34.725	4.25	185	27.781	30.126	32.445	37.004	33.1	0.234	1465.2	543
600	1.613	1.581	3.972	3.520	34.728	4.28	186	27.786	30.131	32.450	37.010	32.8	0.250	1465.9	592
650	1.560	1.525	3.956	3.467	34.730	4.31	187	27.792	30.138	32.458	37.020	32.4	0.266	1466.4	641
700	1.521	1.483	3.955	3.428	34.731	4.33	188	27.796	30.143	32.463	37.026	32.1	0.283	1467.1	691
750	1.465	1.424	3.936	3.372	34.732	4.36	190	27.800	30.148	32.470	37.034	31.8	0.299	1467.7	740
800	1.425	1.382	3.934	3.332	34.732	4.38	190	27.803	30.152	32.474	37.039	31.6	0.314	1468.3	790
850	1.376	1.330	3.923	3.283	34.731	4.40	191	27.806	30.156	32.478	37.045	31.3	0.330	1468.9	839
900	1.347	1.298	3.931	3.254	34.731	4.41	192	27.808	30.158	32.481	37.049	31.3	0.346	1469.6	888
950	1.303	1.251	3.925	3.210	34.730	4.43	193	27.811	30.162	32.485	37.054	31.1	0.361	1470.3	937
999	1.240	1.185	3.899	3.147	34.728	4.47	194	27.815	30.166	32.491	37.062	30.7	0.377	1470.8	986

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM					
NP9405	30U	94/09/27	10:49	-70.017	-128.990			990	240	7	-27.4					
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	P04	NO3	TCO2	PCO2	F11	F12	F13	BN	DPTH	
dbar	degC	psv	psv	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	um/kg	pM/kg	pM/kg	pM/kg		m	
4	-1.823	34.137	34.135	6.88	295	55.9	2.07	29.0	2200	517				16	4	
19	-1.822	34.136	34.135	6.82	296	55.5	2.06	28.9	2199	514				13	19	
50	-1.819	34.136	34.140	6.81	297	55.4	2.04	28.9	2199	514				11	49	
98	-1.175	34.199	34.206	6.38	273	61.2	2.10	29.7	2208	534				9	97	
278	1.663	34.643	34.642	4.17	180	84.6	2.29	32.4	2254	625				7	275	
357	1.734	34.686	34.689	4.15	180	87.5	2.28	31.9	2254	612				5	353	
699	1.523	34.731	34.729	4.32	188	97.3	2.16	30.9	2256	587				3	690	
1000	1.232	34.728	34.728	4.43	194	107.0	2.18	31.1	2258	581				1	987	

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	psv	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.822	-1.822	0.054	0.051	34.136	6.79	295	27.479	29.879	32.251	36.916	59.3	0.003	1439.5	4
10	-1.822	-1.822	0.058	0.051	34.136	6.79	295	27.479	29.879	32.251	36.915	59.3	0.006	1439.6	9
20	-1.822	-1.822	0.066	0.051	34.136	6.80	296	27.479	29.878	32.251	36.915	59.3	0.012	1439.7	19
30	-1.820	-1.821	0.075	0.053	34.136	6.81	296	27.479	29.878	32.251	36.915	59.2	0.018	1439.9	29
40	-1.819	-1.820	0.083	0.054	34.136	6.81	296	27.479	29.878	32.251	36.915	59.1	0.024	1440.1	39
50	-1.818	-1.819	0.092	0.055	34.136	6.82	297	27.479	29.878	32.250	36.915	59.1	0.030	1440.2	49
60	-1.818	-1.819	0.100	0.055	34.135	6.82	296	27.478	29.878	32.250	36.915	59.1	0.036	1440.4	59
70	-1.816	-1.817	0.109	0.057	34.136	6.80	296	27.479	29.879	32.251	36.915	58.9	0.041	1440.6	69
80	-1.805	-1.807	0.128	0.068	34.140	6.76	294	27.482	29.881	32.253	36.917	58.6	0.047	1440.8	79
90	-1.546	-1.548	0.398	0.330	34.185	6.57	285	27.511	29.906	32.274	36.929	55.9	0.053	1442.3	89
100	-1.085	-1.088	0.867	0.792	34.212	6.21	270	27.518	29.906	32.267	36.908	55.2	0.059	1444.7	98
125	-0.368	-0.372	1.608	1.514	34.305	5.64	245	27.563	29.939	32.289	36.908	51.2	0.072	1448.5	123
150	0.321	0.316	2.323	2.209	34.409	5.05	219	27.612	29.977	32.316	36.914	46.8	0.084	1452.3	148
175	0.829	0.822	2.854	2.722	34.484	4.67	203	27.642	29.999	32.330	36.914	44.3	0.096	1455.1	173
200	1.269	1.260	3.317	3.166	34.557	4.40	191	27.672	30.023	32.347	36.917	41.7	0.106	1457.5	197
225	1.443	1.432	3.511	3.342	34.589	4.26	185	27.686	30.034	32.356	36.921	40.6	0.117	1458.8	222
250	1.598	1.585	3.687	3.499	34.622	4.17	181	27.701	30.047	32.366	36.927	39.4	0.127	1459.9	247
275	1.661	1.647	3.770	3.563	34.643	4.15	180	27.713	30.058	32.376	36.935	38.4	0.136	1460.6	271
300	1.653	1.638	3.782	3.555	34.655	4.16	181	27.723	30.068	32.387	36.946	37.5	0.146	1461.0	296
325	1.695	1.678	3.843	3.598	34.668	4.14	180	27.731	30.075	32.393	36.951	36.9	0.155	1461.6	321
350	1.732	1.714	3.900	3.636	34.683	4.13	180	27.740	30.084	32.402	36.958	36.2	0.164	1462.2	346
375	1.728	1.709	3.916	3.633	34.696	4.15	180	27.750	30.094	32.412	36.969	35.3	0.173	1462.6	370
400	1.734	1.712	3.940	3.639	34.705	4.16	181	27.758	30.101	32.419	36.975	34.8	0.182	1463.1	395
425	1.715	1.692	3.941	3.621	34.713	4.18	182	27.766	30.110	32.427	36.984	34.1	0		

Latitude 70 01 S  
Longitude 128 59 W

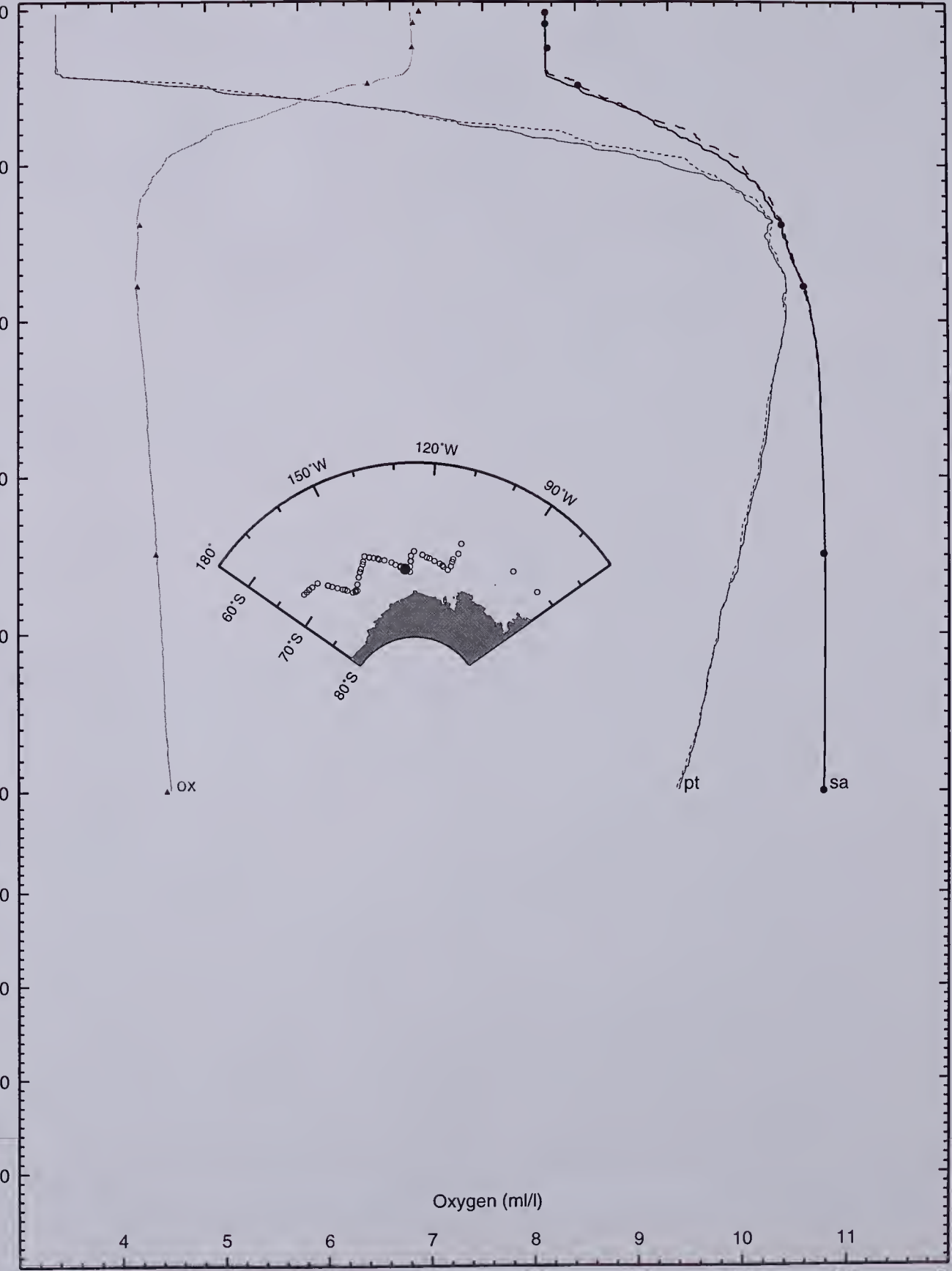
Salinity

NP9405 030

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)

Potential Temperature (°C)

4 5 6 7 8 9 10 11

SHCRUS NP9405	STNM 31D	YR/MO/DA 94/09/27	GTIME 18:09	LATITUDE -69.730	LONGITUDE -130.999	DPTH	HT	BARO 998	WND 231	WNS 3	AIRTM -26.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.824	-1.824	0.051	0.046	34.089	6.95	302	27.441	29.841	32.214	36.878	62.9	0.004	1439.4	5
10	-1.823	-1.823	0.054	0.047	34.090	6.95	302	27.441	29.841	32.214	36.879	62.9	0.006	1439.5	9
20	-1.822	-1.822	0.063	0.048	34.089	6.95	302	27.441	29.841	32.213	36.878	62.8	0.013	1439.7	19
30	-1.821	-1.822	0.072	0.049	34.089	6.94	302	27.441	29.841	32.213	36.878	62.8	0.019	1439.8	29
40	-1.824	-1.824	0.077	0.046	34.089	6.94	302	27.441	29.841	32.214	36.879	62.7	0.025	1440.0	39
50	-1.823	-1.824	0.084	0.047	34.090	6.95	302	27.441	29.841	32.214	36.879	62.6	0.031	1440.2	49
60	-1.824	-1.825	0.091	0.046	34.090	6.95	302	27.442	29.841	32.214	36.879	62.5	0.038	1440.3	59
70	-1.823	-1.824	0.100	0.047	34.090	6.95	302	27.442	29.841	32.214	36.879	62.5	0.044	1440.5	69
80	-1.822	-1.824	0.108	0.048	34.090	6.95	302	27.442	29.841	32.214	36.879	62.4	0.050	1440.6	79
90	-1.823	-1.825	0.115	0.047	34.090	6.95	302	27.442	29.842	32.214	36.879	62.3	0.056	1440.8	89
100	-1.821	-1.823	0.125	0.049	34.090	6.89	299	27.442	29.842	32.214	36.879	62.2	0.063	1441.0	98
125	-1.734	-1.737	0.230	0.137	34.096	6.53	284	27.445	29.843	32.214	36.876	61.9	0.078	1441.8	123
150	-0.287	-0.292	1.705	1.592	34.245	5.57	242	27.511	29.886	32.235	36.852	56.1	0.093	1449.2	148
175	0.473	0.466	2.493	2.361	34.395	4.89	213	27.592	29.955	32.292	36.886	48.8	0.106	1453.3	173
200	1.030	1.021	3.075	2.924	34.506	4.49	195	27.647	30.002	32.330	36.907	43.9	0.118	1456.4	197
225	1.412	1.401	3.479	3.310	34.572	4.20	183	27.674	30.023	32.345	36.911	41.7	0.128	1458.6	222
250	1.690	1.677	3.779	3.591	34.628	4.11	178	27.699	30.043	32.362	36.920	39.6	0.138	1460.3	247
275	1.728	1.714	3.838	3.630	34.648	4.08	178	27.712	30.056	32.374	36.931	38.5	0.148	1460.9	271
300	1.746	1.730	3.875	3.649	34.661	4.08	177	27.721	30.065	32.382	36.939	37.8	0.158	1461.4	296
325	1.765	1.748	3.913	3.669	34.673	4.08	177	27.729	30.073	32.390	36.946	37.1	0.167	1461.9	321
350	1.773	1.755	3.941	3.677	34.683	4.09	178	27.737	30.080	32.397	36.952	36.6	0.176	1462.4	346
375	1.772	1.752	3.959	3.676	34.690	4.10	178	27.742	30.086	32.403	36.958	36.1	0.185	1462.8	370
400	1.777	1.756	3.983	3.682	34.697	4.12	179	27.748	30.091	32.408	36.964	35.7	0.194	1463.3	395
425	1.767	1.744	3.993	3.672	34.704	4.14	180	27.754	30.098	32.415	36.970	35.2	0.203	1463.6	420
450	1.761	1.737	4.005	3.667	34.710	4.16	181	27.760	30.103	32.420	36.976	34.8	0.212	1464.0	444
475	1.744	1.718	4.008	3.650	34.714	4.18	182	27.765	30.108	32.426	36.982	34.5	0.221	1464.4	469
500	1.731	1.704	4.014	3.637	34.717	4.20	182	27.768	30.112	32.429	36.986	34.2	0.229	1464.7	494
550	1.707	1.677	4.027	3.613	34.724	4.23	184	27.775	30.120	32.438	36.995	33.7	0.246	1465.4	543
600	1.663	1.630	4.021	3.570	34.727	4.26	185	27.782	30.127	32.445	37.004	33.3	0.263	1466.1	592
650	1.623	1.587	4.019	3.530	34.730	4.30	187	27.787	30.132	32.452	37.011	32.9	0.279	1466.7	642
700	1.586	1.548	4.020	3.493	34.731	4.29	186	27.791	30.137	32.456	37.017	32.7	0.296	1467.4	691
750	1.536	1.496	4.008	3.444	34.731	4.31	187	27.794	30.141	32.462	37.024	32.5	0.312	1468.0	740
800	1.488	1.444	3.998	3.395	34.732	4.33	188	27.799	30.146	32.467	37.031	32.1	0.328	1468.6	790
850	1.448	1.401	3.995	3.355	34.732	4.34	189	27.802	30.150	32.472	37.037	31.9	0.344	1469.2	839
900	1.411	1.362	3.996	3.318	34.732	4.36	189	27.805	30.154	32.476	37.042	31.7	0.360	1469.9	888
950	1.371	1.319	3.993	3.278	34.731	4.38	190	27.808	30.157	32.480	37.047	31.6	0.376	1470.6	937
992	1.339	1.285	3.993	3.246	34.731	4.40	191	27.810	30.159	32.483	37.051	31.4	0.389	1471.1	979

SHCRUS NP9405	STNM 31U	YR/MO/DA 94/09/27	GTIME 19:03	LATITUDE -69.726	LONGITUDE -130.994	DPTH	HT	BARO 998	WND 231	WNS 3	AIRTM -26.0				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	P04	N03	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
4	-1.806	34.096	34.094	6.95	302	50.6	2.06	28.1	2192	496				16	4
24	-1.827	34.092	34.094	6.95	302	50.5	2.04	28.3	2192	497				15	24
50	-1.825	34.092	34.094	6.95	302	51.5	2.04	28.2	2192	495				12	50
100	-1.825	34.091	34.091	6.95	299	51.5	2.09	28.2	2193	497				10	99
155	0.081	34.312	34.323	5.56	234	69.6	2.28	31.5	2254	589				8	153
369	1.776	34.688	34.687	4.12	178	88.6	2.28	32.4	2254	627				7	365
994	1.332	34.730	34.729	4.40	191	106.2	2.29	31.3	2200					1	981

SHCRUS NP9405	STNM 31U	YR/MO/DA 94/09/27	GTIME 19:03	LATITUDE -69.726	LONGITUDE -130.994	DPTH	HT	BARO 998	WND 231	WNS 3	AIRTM -26.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.792	-1.792	0.083	0.079	34.096	6.95	302	27.446	29.845	32.217	36.881	62.5	0.003	1439.6	4
10	-1.788	-1.788	0.090	0.082	34.096	6.95	302	27.445	29.844	32.217	36.880	62.5	0.006	1439.7	9
20	-1.823	-1.823	0.062	0.047	34.092	6.95	302	27.444	29.843	32.216	36.881	62.6	0.013	1439.7	19
30	-1.826	-1.826	0.067	0.044	34.092	6.94	302	27.443	29.843	32.216	36.881	62.6	0.019	1439.8	29
40	-1.825	-1.826	0.075	0.045	34.092	6.94	302	27.443	29.843	32.216	36.881	62.5	0.025	1440.0	39
50	-1.825	-1.826	0.083	0.045	34.092	6.95	302	27.443	29.843	32.215	36.880	62.5	0.031	1440.2	49
60	-1.825	-1.826	0.090	0.045	34.092	6.95	302	27.443	29.843	32.216	36.881	62.4	0.038	1440.3	59
70	-1.825	-1.826	0.098	0.045	34.092	6.95	302	27.443	29.843	32.216	36.881	62.3	0.044	1440.5	69
80	-1.824	-1.826	0.106	0.046	34.091	6.95	302	27.443	29.842	32.215	36.880	62.3	0.050	1440.6	79
90	-1.824	-1.826	0.114	0.046	34.091	6.95	302	27.443	29.842	32.215	36.880	62.2	0.056	1440.8	89
100	-1.823	-1.825	0.123	0.047	34.092	6.89	299	27.443	29.843	32.216	36.881	62.1	0.062	1441.0	98
125	-1.607	-1.610	0.359	0.265	34.123	6.53	284	27.463	29.859	32.228	36.886	60.2	0.078	1442.5	123
150	0.019	0.014	2.014	1.901	34.300	5.57	242	27.540	29.911	32.254	36.862	53.4	0.092	1450.7	148
175	0.579	0.572	2.600	2.468	34.422	4.89	213	27.607	29.969	32.304	36.895	47.4	0.105	1453.9	173
200	1.054	1.045	3.099	2.949	34.516	4.49	195	27.653	30.007	32.335	36.912	43.4	0.116	1456.5	197
225	1.478	1.467	3.546	3.377	34.590	4.20	183	27.684	30.032	32.353	36.917	40.8	0.126	1458.9	222
250	1.661	1.649	3.751	3.562	34.631	4.11	178	27.703	30.048	32.367	36.925	39.2	0.136	1460.2	247
275	1.728	1.713	3.837	3.630											

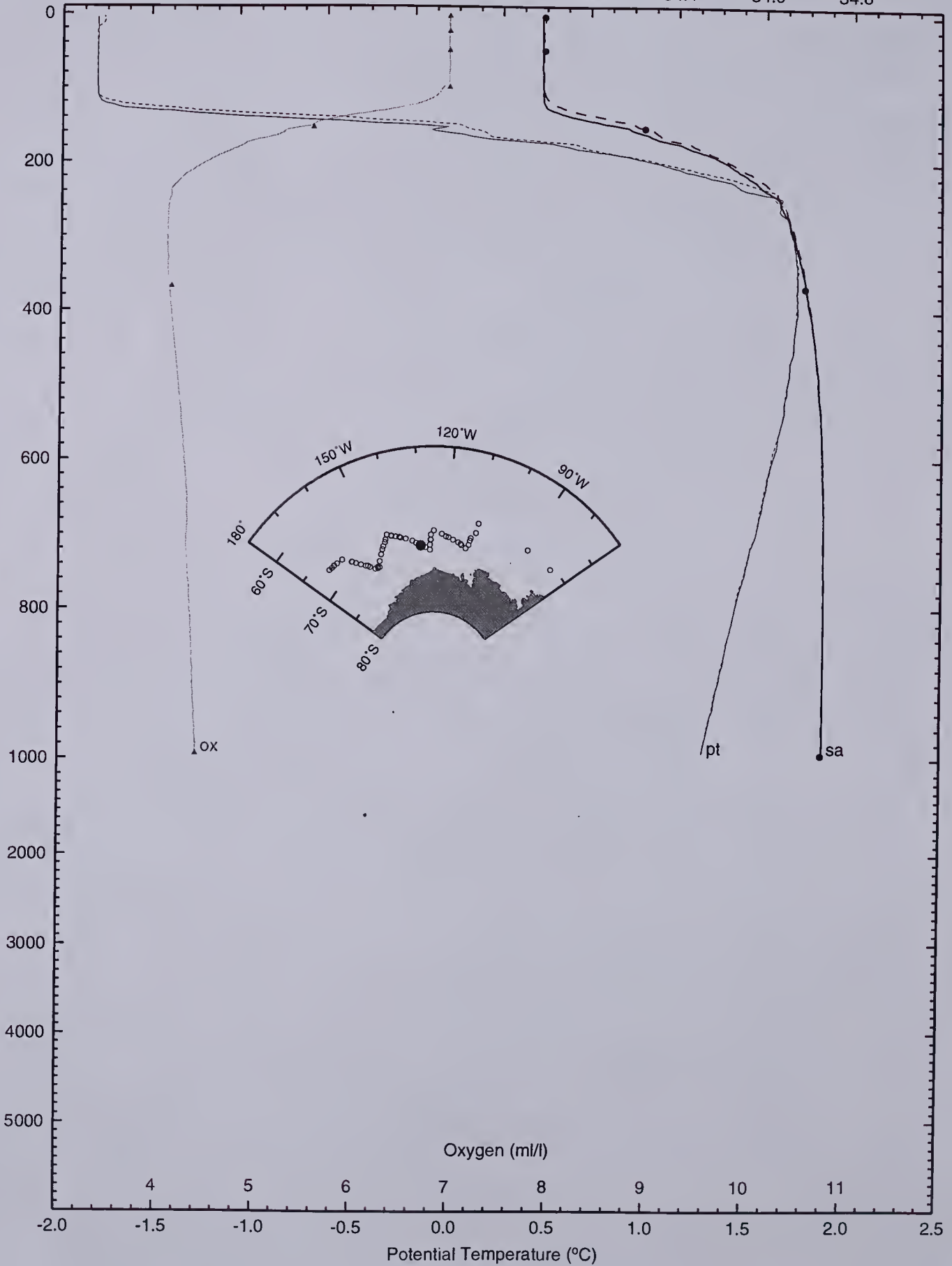
Latitude 69 44 S  
Longitude 131 00 W

Salinity

NP9405 031

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Potential Temperature (°C)

Oxygen (ml/l)

4 5 6 7 8 9 10 11

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 32D	YR/MO/DA 94/09/27	GTIME 21:53	LATITUDE -69.543	LONGITUDE -130.828	DPTH	HT	BARO 1000	WND 208	WNS 2	AIRTM -23.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dynam	m/s	m
6	-1.804	-1.804	0.070	0.066	34.089	7.26	315	27.440	29.840	32.212	36.876	63.0	0.004	1439.5	5
10	-1.806	-1.806	0.072	0.064	34.089	7.25	315	27.440	29.840	32.212	36.876	63.0	0.006	1439.6	9
20	-1.813	-1.813	0.072	0.057	34.086	7.24	315	27.438	29.838	32.210	36.875	63.1	0.013	1439.7	19
30	-1.813	-1.813	0.080	0.057	34.087	7.22	314	27.439	29.838	32.211	36.875	63.0	0.019	1439.9	29
40	-1.812	-1.813	0.088	0.058	34.087	7.21	314	27.439	29.838	32.211	36.875	62.9	0.025	1440.0	39
50	-1.812	-1.813	0.095	0.058	34.087	7.19	312	27.439	29.838	32.211	36.876	62.9	0.032	1440.2	49
60	-1.814	-1.815	0.101	0.056	34.087	7.16	311	27.439	29.838	32.211	36.875	62.8	0.038	1440.4	59
70	-1.811	-1.813	0.111	0.059	34.088	7.12	309	27.439	29.839	32.211	36.876	62.7	0.044	1440.5	69
80	-1.815	-1.817	0.115	0.055	34.086	7.04	306	27.439	29.838	32.211	36.875	62.7	0.050	1440.7	79
90	-1.815	-1.817	0.123	0.055	34.086	6.86	298	27.439	29.838	32.211	36.875	62.6	0.057	1440.8	89
100	-1.616	-1.618	0.330	0.255	34.102	6.48	282	27.445	29.842	32.211	36.870	62.0	0.063	1442.0	98
125	0.056	0.052	2.032	1.937	34.286	5.06	220	27.527	29.897	32.240	36.847	54.7	0.078	1450.5	123
150	0.907	0.900	2.909	2.797	34.428	4.37	190	27.592	29.949	32.279	36.860	48.9	0.090	1454.9	148
175	1.407	1.399	3.434	3.303	34.528	4.14	180	27.639	29.988	32.310	36.877	44.9	0.102	1457.7	173
200	1.652	1.642	3.702	3.551	34.586	3.97	173	27.668	30.013	32.332	36.891	42.3	0.113	1459.3	197
225	1.807	1.795	3.877	3.708	34.626	3.97	173	27.688	30.031	32.348	36.903	40.6	0.123	1460.4	222
250	1.803	1.790	3.893	3.705	34.641	3.98	173	27.701	30.044	32.360	36.915	39.5	0.133	1460.8	247
275	1.812	1.798	3.922	3.714	34.652	3.98	173	27.709	30.052	32.368	36.923	38.9	0.143	1461.3	271
300	1.826	1.810	3.955	3.729	34.666	3.99	173	27.719	30.062	32.378	36.932	38.0	0.153	1461.8	296
325	1.828	1.811	3.977	3.732	34.678	4.00	174	27.729	30.071	32.387	36.941	37.2	0.162	1462.2	321
350	1.821	1.803	3.989	3.725	34.686	4.02	175	27.736	30.078	32.395	36.949	36.7	0.171	1462.6	346
375	1.817	1.797	4.004	3.722	34.692	4.04	176	27.741	30.083	32.400	36.954	36.3	0.180	1463.0	370
400	1.817	1.796	4.024	3.723	34.699	4.06	176	27.746	30.089	32.405	36.960	35.9	0.190	1463.4	395
425	1.800	1.777	4.026	3.705	34.704	4.08	177	27.752	30.095	32.412	36.966	35.5	0.198	1463.8	420
450	1.788	1.763	4.032	3.694	34.710	4.10	178	27.758	30.101	32.418	36.973	35.0	0.207	1464.1	444
475	1.770	1.745	4.034	3.676	34.715	4.13	180	27.763	30.107	32.423	36.979	34.6	0.216	1464.5	469
500	1.757	1.730	4.040	3.663	34.718	4.16	181	27.767	30.110	32.427	36.983	34.4	0.225	1464.8	494
550	1.720	1.690	4.040	3.626	34.723	4.19	182	27.774	30.118	32.435	36.992	33.9	0.242	1465.5	543
600	1.680	1.647	4.038	3.587	34.726	4.23	184	27.779	30.124	32.442	37.001	33.5	0.258	1466.1	592
650	1.637	1.602	4.034	3.544	34.729	4.26	185	27.785	30.131	32.450	37.009	33.1	0.275	1466.8	642
700	1.585	1.547	4.019	3.492	34.731	4.29	186	27.791	30.137	32.457	37.018	32.7	0.292	1467.4	691
750	1.550	1.509	4.022	3.457	34.732	4.31	187	27.794	30.141	32.461	37.023	32.5	0.308	1468.1	740
800	1.512	1.468	4.021	3.418	34.733	4.33	188	27.798	30.145	32.466	37.029	32.3	0.324	1468.7	790
850	1.461	1.415	4.008	3.368	34.732	4.35	189	27.802	30.149	32.471	37.035	32.0	0.340	1469.3	839
900	1.415	1.365	3.999	3.322	34.732	4.37	190	27.805	30.154	32.476	37.042	31.8	0.356	1469.9	888
950	1.375	1.323	3.998	3.282	34.731	4.38	190	27.808	30.157	32.480	37.047	31.6	0.372	1470.6	938
999	1.335	1.280	3.994	3.242	34.731	4.40	191	27.810	30.160	32.483	37.051	31.4	0.387	1471.2	986

SHCRUS NP9405	STNM 32U	YR/MO/DA 94/09/27	GTIME 22:32	LATITUDE -69.542	LONGITUDE -130.830	DPTH	HT	BARO 1000	WND 208	WNS 2	AIRTM -23.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dynam	m/s	m
6	-1.815	-1.815	0.060	0.056	34.086	7.26	315	27.438	29.838	32.210	36.875	63.2	0.004	1439.5	5
10	-1.815	-1.815	0.063	0.055	34.086	7.25	315	27.439	29.838	32.211	36.875	63.2	0.006	1439.5	9
20	-1.814	-1.814	0.071	0.056	34.087	7.24	315	27.439	29.838	32.211	36.875	63.1	0.013	1439.7	19
30	-1.814	-1.815	0.078	0.056	34.086	7.22	314	27.439	29.838	32.211	36.875	63.0	0.019	1439.9	29
40	-1.814	-1.815	0.086	0.056	34.086	7.21	314	27.439	29.838	32.211	36.875	63.0	0.025	1440.0	39
50	-1.812	-1.813	0.095	0.058	34.087	7.19	312	27.439	29.838	32.211	36.875	62.9	0.032	1440.2	49
60	-1.812	-1.813	0.104	0.058	34.087	7.16	311	27.439	29.839	32.211	36.876	62.8	0.038	1440.4	59
70	-1.810	-1.811	0.113	0.060	34.088	7.12	309	27.440	29.840	32.212	36.877	62.6	0.044	1440.5	69
80	-1.806	-1.808	0.124	0.064	34.091	7.04	306	27.442	29.841	32.214	36.878	62.4	0.050	1440.7	79
90	-1.770	-1.771	0.169	0.101	34.100	6.86	298	27.448	29.847	32.219	36.882	61.7	0.057	1441.1	89
100	-1.345	-1.347	0.604	0.528	34.145	6.48	282	27.472	29.864	32.229	36.879	59.5	0.063	1443.3	98
125	0.317	0.312	2.296	2.202	34.349	5.06	220	27.564	29.929	32.268	36.867	51.4	0.077	1451.7	123
150	1.241	1.234	3.248	3.134	34.496	4.37	190	27.624	29.976	32.301	36.872	46.1	0.089	1456.5	148
175	1.512	1.504	3.541	3.409	34.555	4.14	180	27.653	30.000	32.321	36.885	43.6	0.100	1458.2	173
200	1.781	1.771	3.832	3.681	34.615	3.97	173	27.681	30.025	32.342	36.897	41.1	0.110	1459.9	197
225	1.806	1.794	3.877	3.707	34.633	3.97	173	27.694	30.037	32.353	36.908	40.1	0.120	1460.4	222
250	1.798	1.784	3.888	3.700	34.644	3.98	173	27.703	30.046	32.363	36.918	39.3	0.130	1460.8	247
275	1.815	1.801	3.925	3.718	34.659	3.98	173	27.714	30.057	32.373	36.928	38.4	0.140	1461.3	271
300	1.829	1.813	3.958	3.732	34.671	3.99	173	27.723	30.065	32.381	36.935	37.7	0.150	1461.8	296
325	1.825	1.808	3.974	3.729	34.679	4.00	174	27.730	30.072	32.389	36.943	37.1	0.159	1462.2	321
350	1.819	1.800	3.986	3.723	34.686	4.02	175	27.735	30.078	32.395	36.949	36.7	0.168	1462.6	346
375	1.825	1.804	4.012	3.730	34.693	4.04	176	27.741	30.084	32.400	36.954	36.3	0.177	1463.0	370
400	1.814	1.792	4.020	3.719	34.698	4.06	176	27.746	30.089	32.405	36.959	36.0	0.186	1463.4	395
425	1.802	1.779	4.027	3.707	34.703	4.08	177	27.751	30.094	32.410	36.965	35.6	0.195	1463.8	420
450	1.791	1.766	4.035	3.697	34.708	4.10	178	27.756	30.099	32.416	36.971	35.2	0.204	1464.1	444
475	1.774	1.748	4.038	3.680	34.713	4.13	180	27.762	30.105	32.422	36.977	34.8	0.213	1464.	

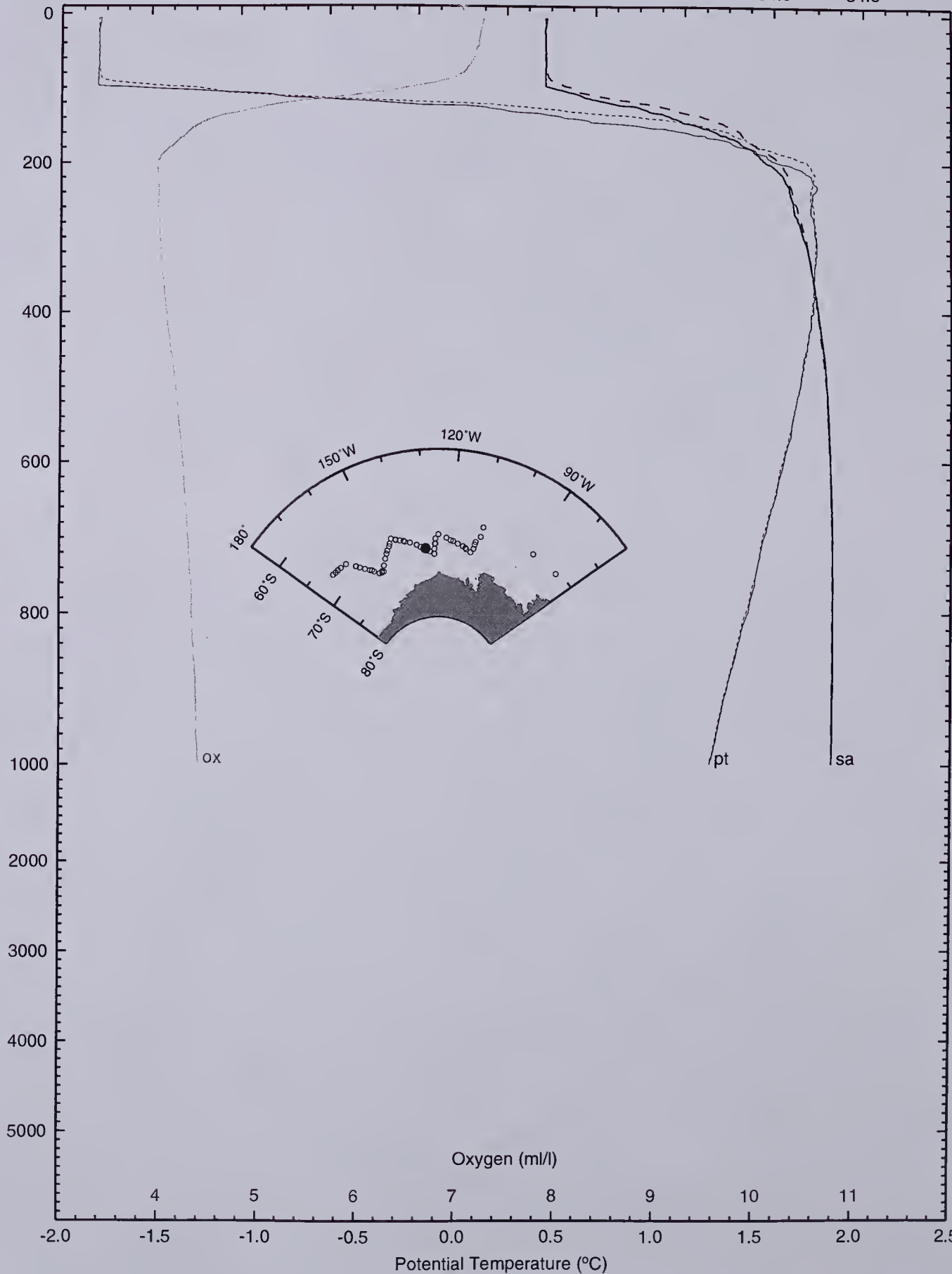
Latitude 69 33 S  
Longitude 130 50 W

Salinity

NP9405 032

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)







Latitude 69 33 S  
Longitude 130 50 W

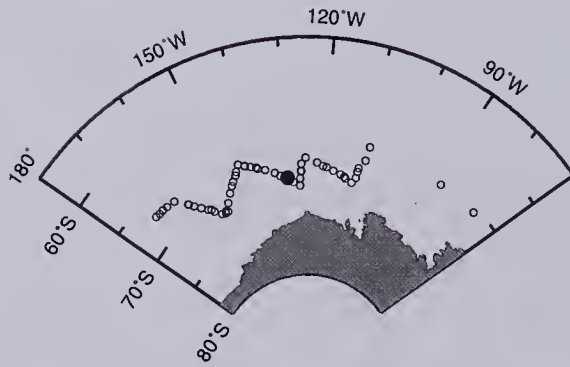
Salinity

NP9405 033

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



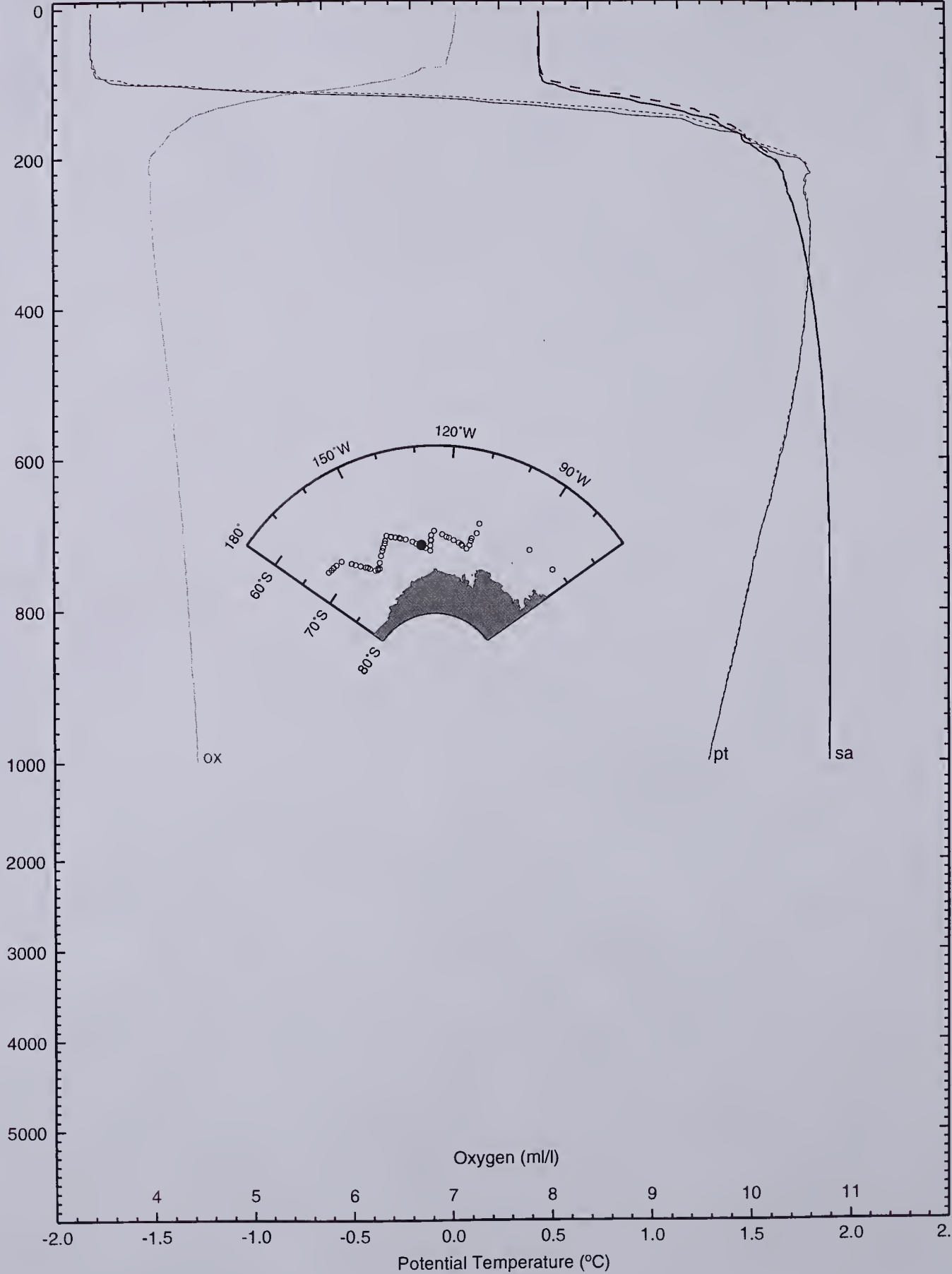
Latitude 69 33 S  
Longitude 130 50 W

Salinity

NP9405 034

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





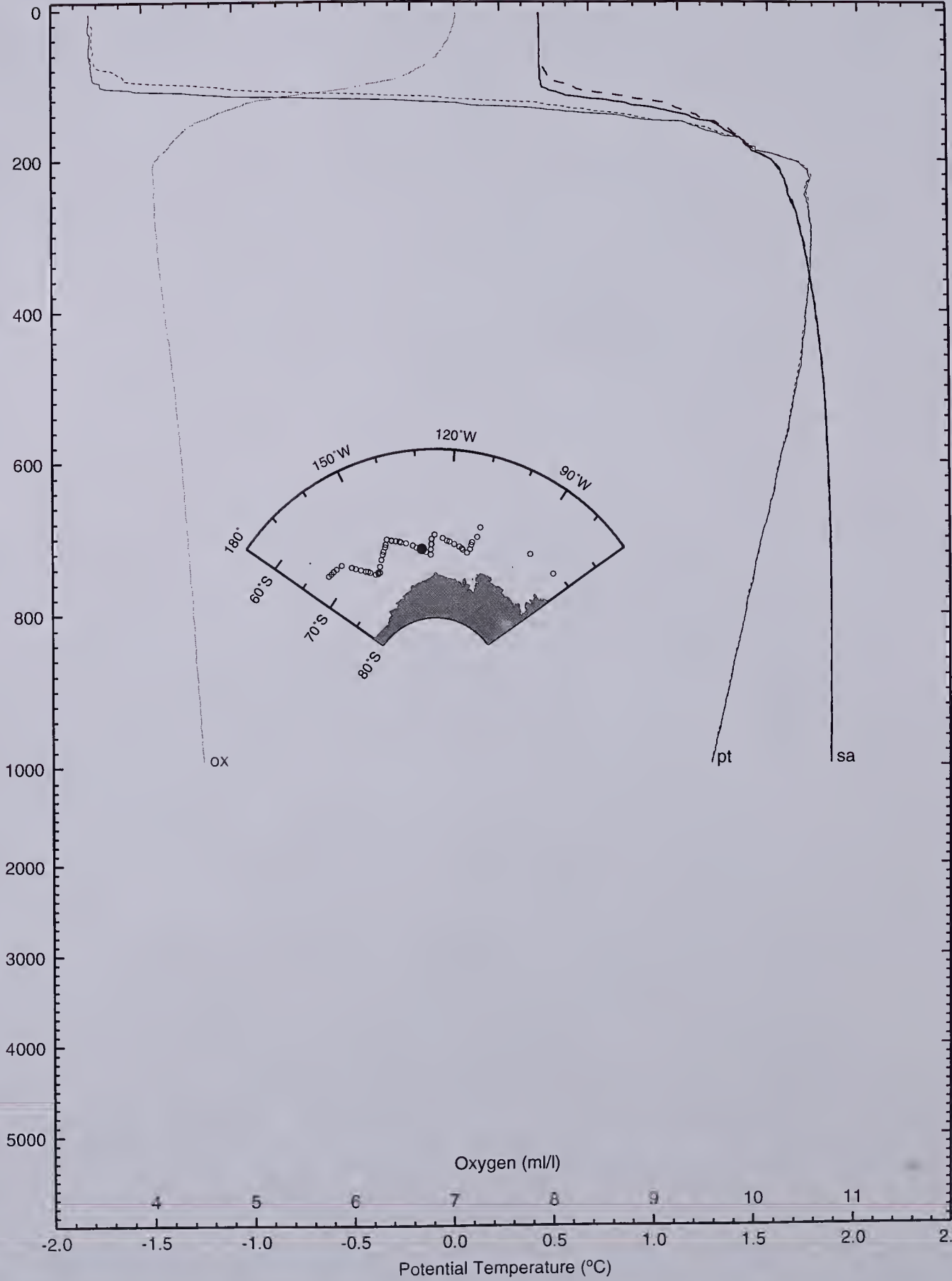
Latitude 69 33 S  
Longitude 130 50 W

Salinity

NP9405 035

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



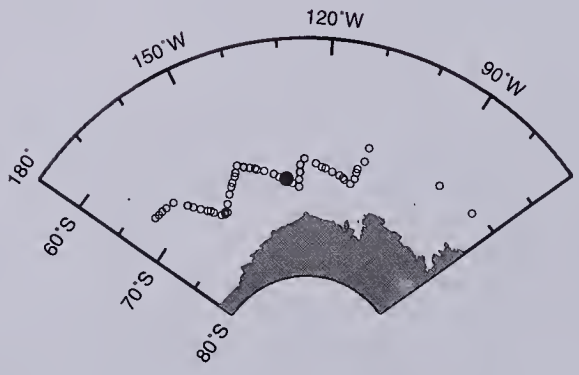
0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Oxygen (ml/l)

Potential Temperature (°C)

ox pt sa





Latitude 69 33 S  
Longitude 130 50 W

Salinity

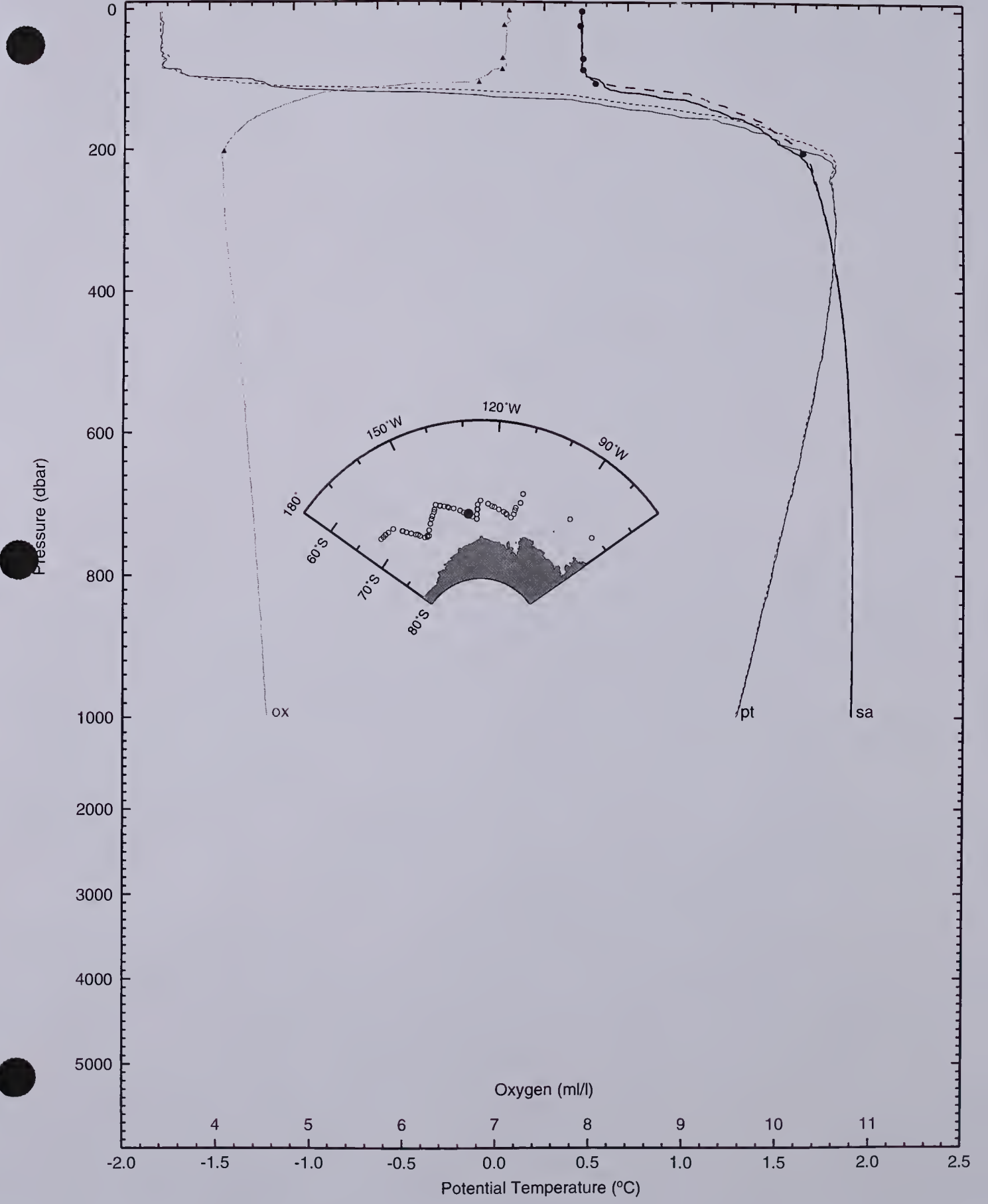
NP9405 036

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

Oxygen (ml/l)  
Potential Temperature (°C)  
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5







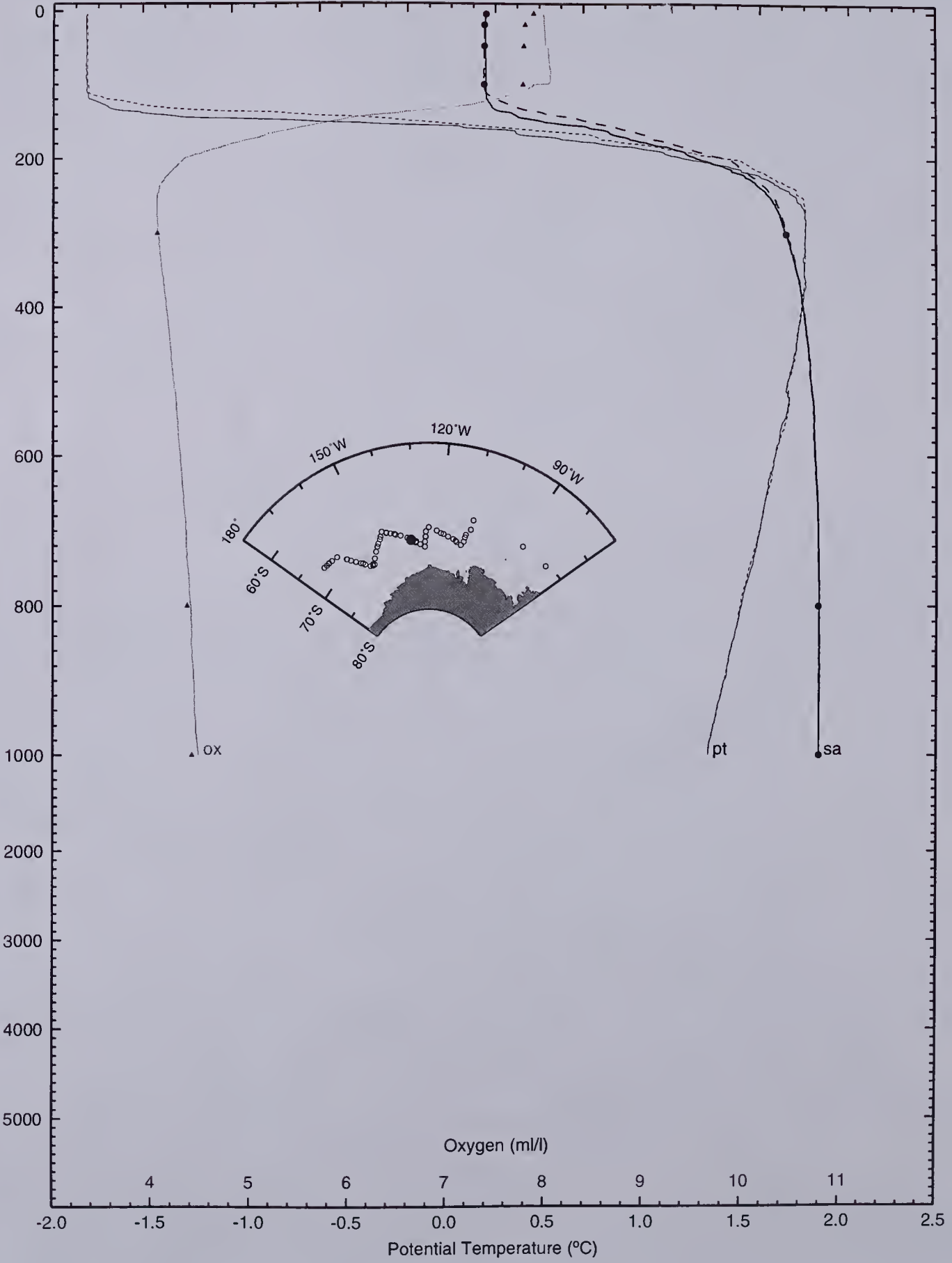
Latitude 69 13 S  
Longitude 133 01 W

Salinity

NP9405 037

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



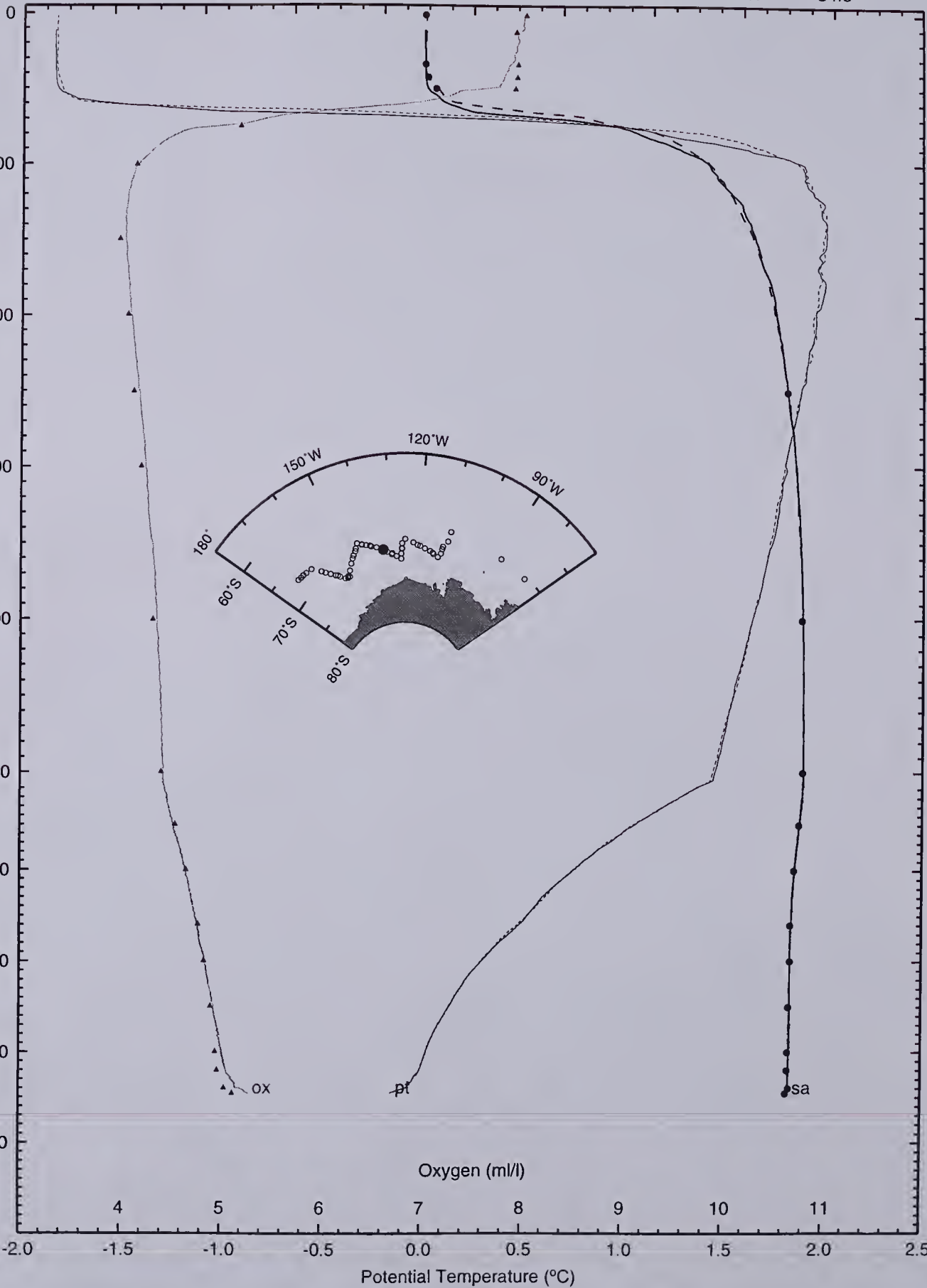


Latitude 68 48 S  
Longitude 134 25 W

Salinity

NP9405 038

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



Pressure (dbar)

Oxygen (ml/l)

Potential Temperature (°C)

ox

pt

sa



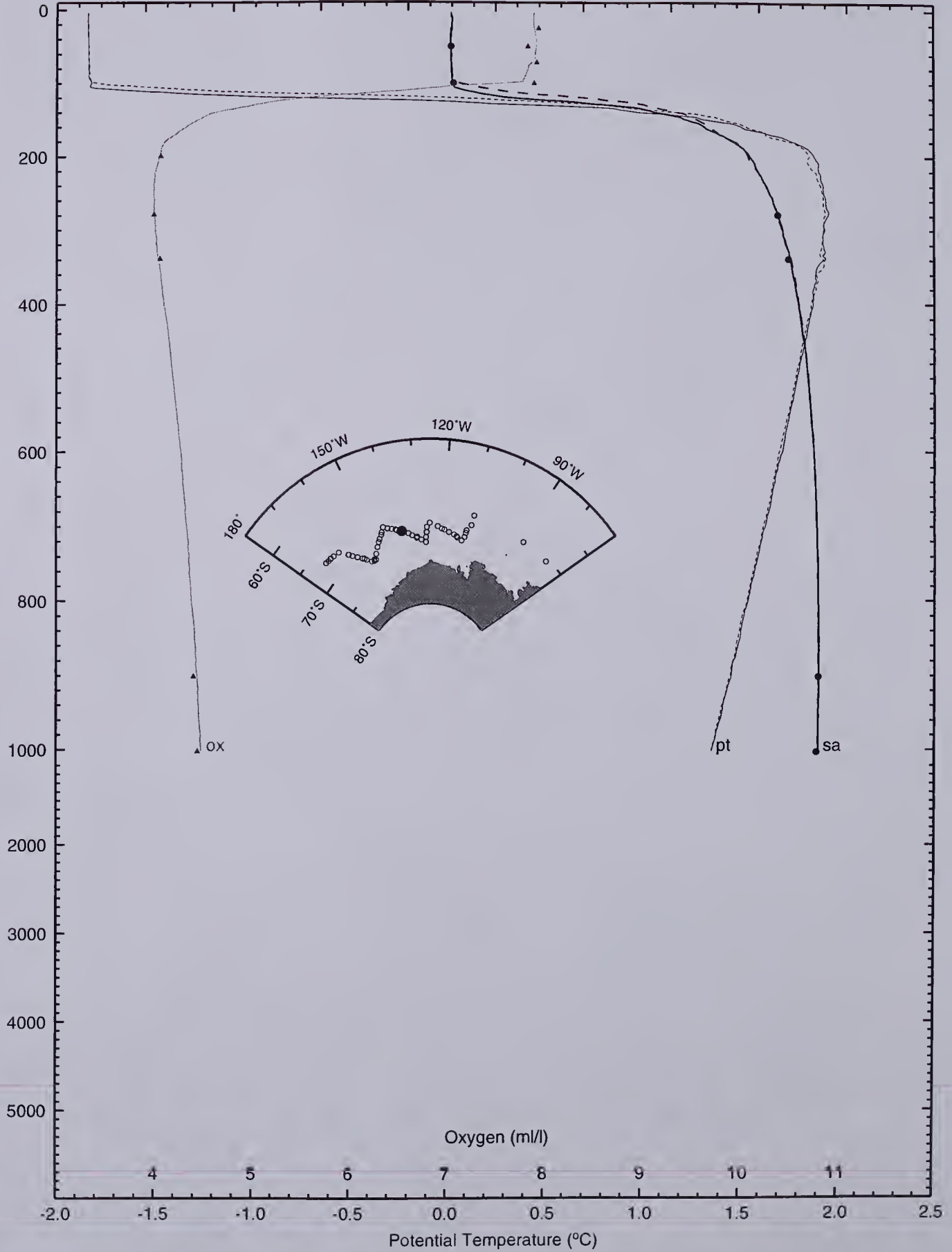
Latitude 68 19 S  
Longitude 136 59 W

Salinity

NP9405 039

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



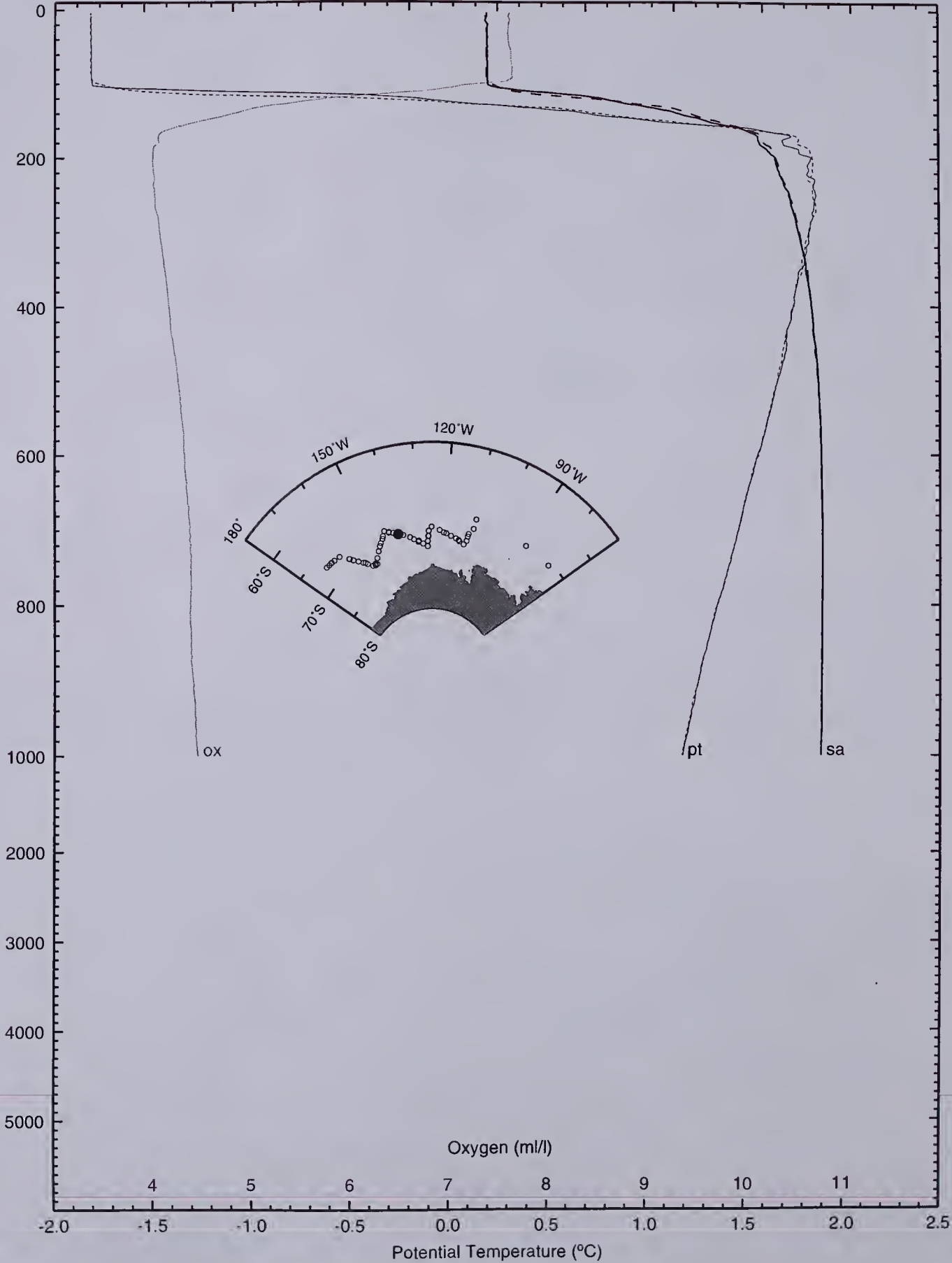
Latitude 68 02 S  
Longitude 138 57 W

Salinity

NP9405 040

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)







Latitude 67 51 S  
Longitude 139 20 W

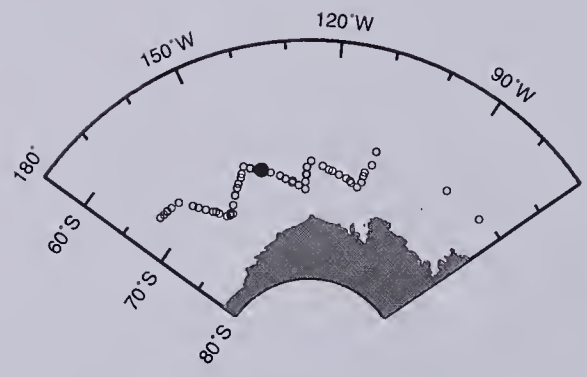
Salinity

NP9405 041

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



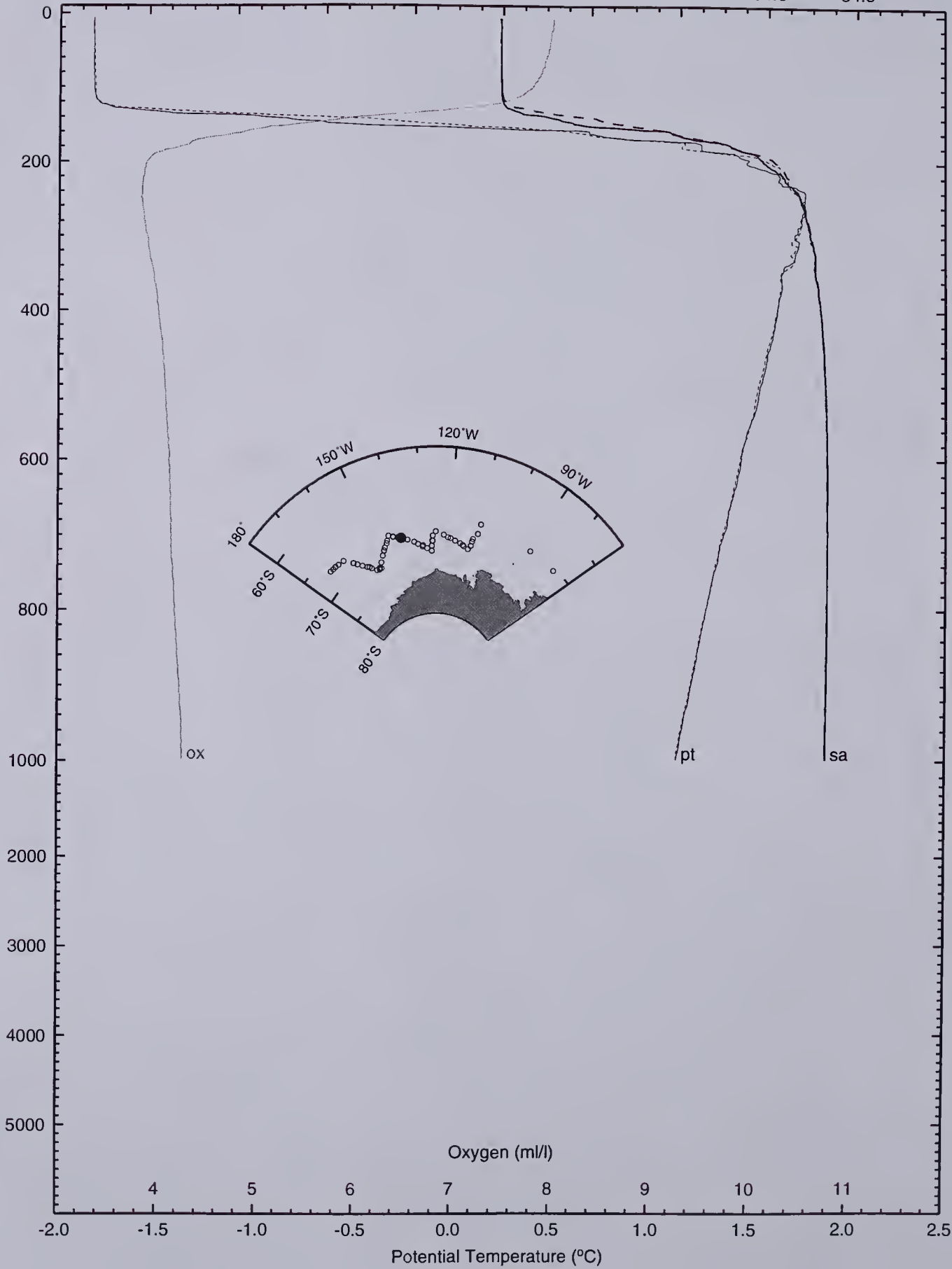
Latitude 67 51 S  
Longitude 139 19 W

Salinity

NP9405 042

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



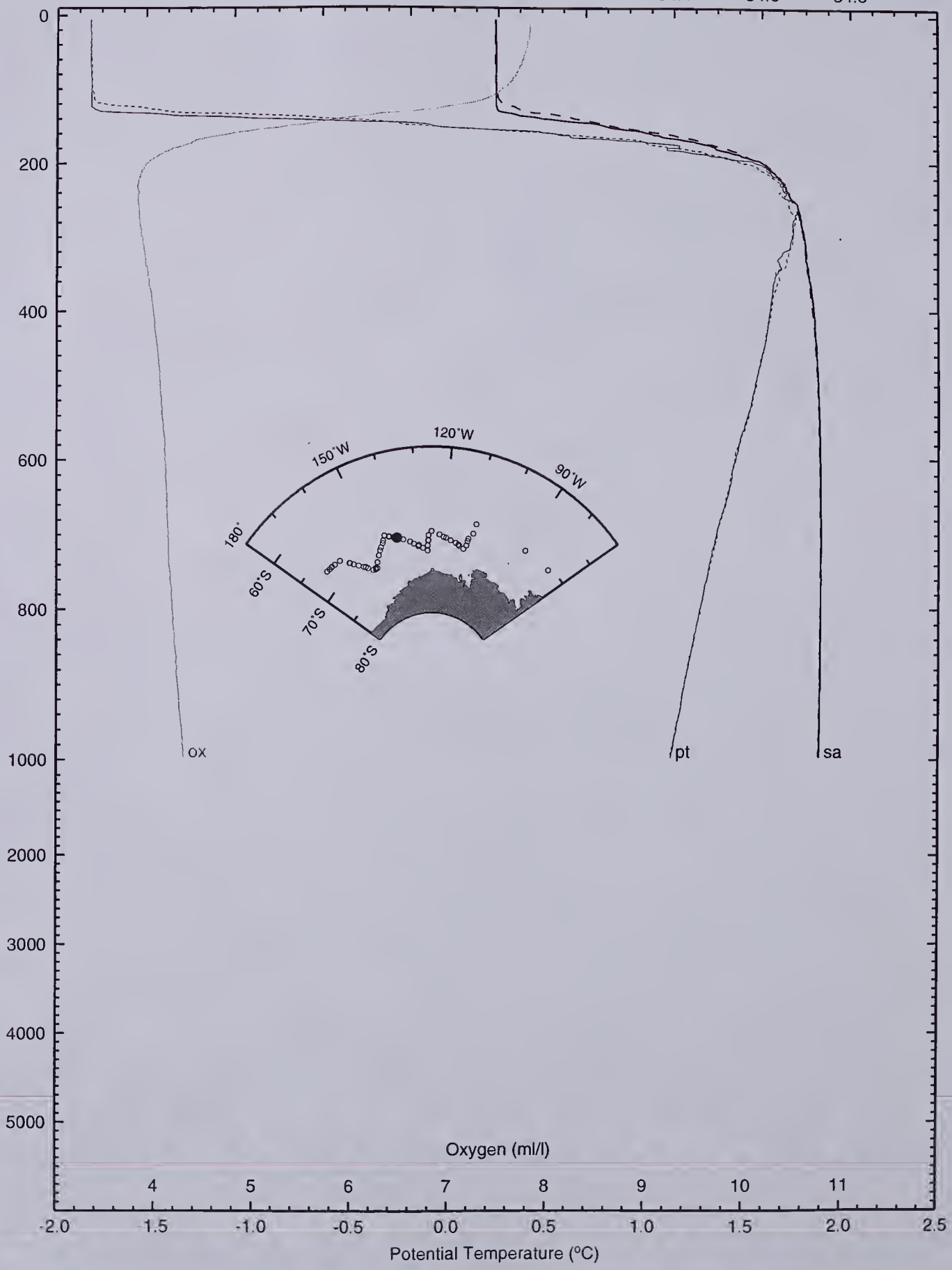
Latitude 67 51 S  
Longitude 139 19 W

Salinity

NP9405 043

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)



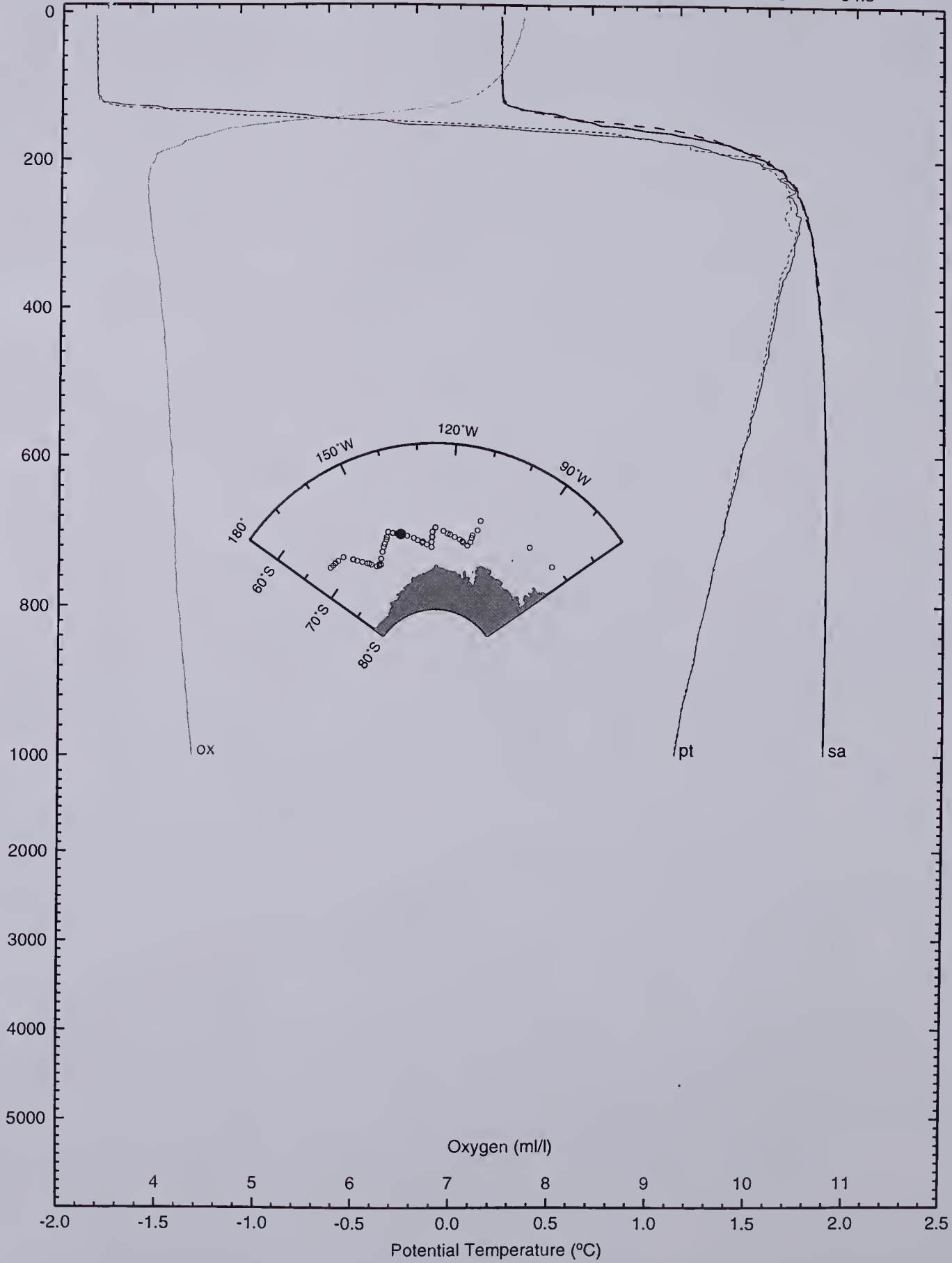
Latitude 67 52 S  
Longitude 139 19 W

Salinity

NP9405 044

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



SHCRUS NP9405	STNM 45D	YR/MO/DA 94/10/01	GTIME 00:25	LATITUDE -67.878	LONGITUDE -139.316	DPTH	HT	BARO 990	WND 8	WNS 14	AIRTM -1.8						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
11	-1.830	-1.830	0.043	0.035	33.995	7.80	339	27.365	29.765	32.138	36.804	70.1	0.008	1439.4	10		
20	-1.830	-1.830	0.050	0.035	33.995	7.81	340	27.365	29.765	32.138	36.804	70.1	0.014	1439.5	19		
30	-1.830	-1.830	0.058	0.035	33.995	7.76	338	27.365	29.765	32.138	36.804	70.0	0.021	1439.7	29		
40	-1.828	-1.829	0.067	0.037	33.995	7.76	338	27.365	29.765	32.138	36.804	69.9	0.028	1439.8	39		
50	-1.825	-1.826	0.077	0.040	33.996	7.76	337	27.365	29.765	32.138	36.804	69.9	0.035	1440.0	49		
60	-1.824	-1.826	0.085	0.041	33.996	7.72	336	27.365	29.765	32.138	36.804	69.8	0.042	1440.2	59		
70	-1.825	-1.826	0.093	0.040	33.996	7.68	334	27.365	29.765	32.138	36.804	69.7	0.049	1440.3	69		
80	-1.824	-1.826	0.101	0.041	33.996	7.67	333	27.365	29.765	32.138	36.804	69.6	0.056	1440.5	79		
90	-1.823	-1.825	0.109	0.042	33.996	7.64	332	27.365	29.765	32.138	36.804	69.6	0.063	1440.7	89		
100	-1.818	-1.820	0.122	0.047	33.996	7.62	331	27.366	29.766	32.139	36.804	69.5	0.070	1440.9	98		
125	-1.793	-1.796	0.166	0.072	33.999	7.00	304	27.367	29.767	32.139	36.804	69.2	0.087	1441.4	123		
150	-0.229	-0.234	1.761	1.648	34.212	5.50	239	27.482	29.856	32.204	36.820	58.9	0.104	1449.5	148		
175	1.070	1.062	3.094	2.962	34.475	4.50	196	27.619	29.974	32.301	36.878	46.5	0.117	1456.1	173		
200	1.506	1.496	3.555	3.405	34.587	4.25	184	27.679	30.026	32.347	36.911	41.2	0.127	1458.6	197		
225	1.644	1.633	3.715	3.546	34.639	4.13	180	27.711	30.056	32.375	36.934	38.4	0.137	1459.7	222		
250	1.660	1.647	3.752	3.563	34.664	4.11	178	27.730	30.075	32.393	36.952	36.7	0.147	1460.2	247		
275	1.700	1.686	3.811	3.604	34.680	4.13	179	27.740	30.084	32.402	36.960	35.9	0.156	1460.8	271		
300	1.682	1.666	3.812	3.587	34.690	4.14	180	27.749	30.094	32.412	36.970	35.1	0.165	1461.2	296		
325	1.706	1.689	3.856	3.611	34.701	4.17	181	27.756	30.101	32.419	36.976	34.5	0.173	1461.7	321		
350	1.714	1.696	3.884	3.620	34.710	4.18	182	27.763	30.107	32.424	36.981	34.1	0.182	1462.2	346		
375	1.694	1.674	3.882	3.599	34.714	4.21	183	27.768	30.112	32.430	36.988	33.6	0.190	1462.5	370		
400	1.653	1.632	3.860	3.559	34.717	4.23	184	27.773	30.118	32.437	36.995	33.2	0.199	1462.7	395		
425	1.647	1.625	3.874	3.553	34.721	4.25	185	27.777	30.122	32.441	36.999	33.0	0.207	1463.1	420		
450	1.623	1.600	3.869	3.529	34.722	4.27	186	27.780	30.125	32.444	37.004	32.7	0.215	1463.4	444		
475	1.602	1.577	3.866	3.509	34.725	4.29	186	27.784	30.130	32.449	37.009	32.5	0.223	1463.7	469		
500	1.571	1.545	3.855	3.478	34.727	4.30	187	27.787	30.134	32.453	37.014	32.2	0.231	1464.0	494		
550	1.532	1.503	3.853	3.439	34.729	4.32	188	27.792	30.139	32.459	37.021	31.9	0.247	1464.7	543		
600	1.490	1.458	3.848	3.397	34.730	4.34	189	27.796	30.144	32.465	37.028	31.6	0.263	1465.3	592		
650	1.438	1.404	3.834	3.345	34.731	4.37	190	27.801	30.149	32.471	37.036	31.2	0.279	1465.9	642		
700	1.393	1.356	3.827	3.300	34.731	4.39	191	27.805	30.154	32.476	37.042	31.0	0.295	1466.5	691		
750	1.353	1.313	3.825	3.260	34.731	4.40	191	27.808	30.157	32.480	37.047	30.9	0.310	1467.2	740		
800	1.320	1.278	3.830	3.227	34.731	4.43	193	27.810	30.160	32.483	37.052	30.7	0.325	1467.9	790		
850	1.283	1.238	3.830	3.190	34.730	4.46	194	27.812	30.163	32.487	37.056	30.6	0.341	1468.5	839		
900	1.253	1.204	3.837	3.160	34.729	4.50	196	27.814	30.165	32.489	37.060	30.5	0.356	1469.2	888		
950	1.219	1.168	3.841	3.126	34.728	4.54	197	27.816	30.167	32.492	37.064	30.4	0.371	1469.9	938		
1000	1.183	1.129	3.843	3.090	34.727	4.58	199	27.818	30.170	32.495	37.068	30.3	0.387	1470.5	987		

SHCRUS NP9405	STNM 45U	YR/MO/DA 94/10/01	GTIME 01:28	LATITUDE -67.892	LONGITUDE -139.311	DPTH	HT	BARO 990	WND 8	WNS 14	AIRTM -1.8						
PRES	TEMPCTO	SALCTO	SALBOT	OXBOT	OXCTO	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	OPTH		
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	um/m	pM/kg	pM/kg	pM/kg		m		
3	-1.831	33.994	33.992	7.64	331	41.6	1.92	25.9	2176	454				24	3		
30	-1.831	33.994	33.991	7.65	330	41.1	1.92	26.3	2176	456				22	29		
61	-1.829	33.994	33.994	7.64	328	41.7	1.91	26.0	2177	454				19	60		
119	-1.822	33.994	33.995	7.63	308	41.4	1.92	26.1	2177	460				17	118		
200	1.472	34.585		4.29	177	81.6	2.31	32.9	2250	634				16	198		
250	1.666	34.661		4.12	171	86.4	2.30	32.0	2255	623				13	247		
300	1.697	34.692	34.690	4.14	173	88.9	2.28	32.1	2255	610				11	296		
349	1.705	34.709	34.705	4.18	175	90.4	2.22	31.9	2254	599				9	345		
401	1.648	34.716	34.714	4.22	177	93.7	2.23	31.6	2254	592				7	396		
501	1.569	34.726	34.724	4.28	180	97.5	2.23	31.4	2254	586				5	496		
701	1.395	34.731	34.729	4.33	184	104.3	2.23	31.3	2257	581				3	693		
1001	1.182	34.727	34.724	4.46	192	111.3	2.23	31.3	2258	580				1/2	988		

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
4	-1.832	-1.832	0.036	0.033	33.994	7.78	338	27.364	29.764	32.137	36.803	70.3	0.003	1439.2	3		
10	-1.833	-1.833	0.039	0.032	33.994	7.80	339	27.364	29.764	32.137	36.803	70.2	0.007	1439.3	9		
20	-1.833	-1.833	0.047	0.032	33.994	7.81	340	27.364	29.764	32.138	36.804	70.1	0.014	1439.5	19		
30	-1.832	-1.833	0.055	0.033	33.994	7.76	338	27.364	29.764	32.137	36.803	70.1	0.021	1439.7	29		
40	-1.830	-1.831	0.065	0.035	33.994	7.76	338	27.364	29.764	32.137	36.803	70.0	0.028	1439.8	39		
50	-1.828	-1.829	0.075	0.037	33.994	7.76	337	27.364	29.764	32.137	36.803	70.0	0.035	1440.0	49		
60	-1.827	-1.828	0.083	0.038	33.994	7.72	336	27.364	29.764	32.137	36.803	69.9	0.042	1440.2	59		
70	-1.826	-1.828	0.091	0.039	33.994	7.68	334	27.363	29.764	32.137	36.803	69.9	0.049	1440.3	69		
80	-1.825	-1.827	0.100	0.040	33.993	7.67	333	27.363	29.763	32.137	36.802	69.8	0.056	1440.5	79		
90	-1.825	-1.827	0.107	0.040	33.993	7.64	332	27.363	29.763	32.137	36.802	69.8	0.063	1440.7	89		
100	-1.824	-1.826	0.116	0.041	33.993	7.62	331	27.363	29.763	32.136	36.802	69.7	0.070	1440.8	98		
125	-1.782	-1.785	0.177	0.083	34.006	7.00	304	27.									

Latitude 67 53 S  
Longitude 139 19 W

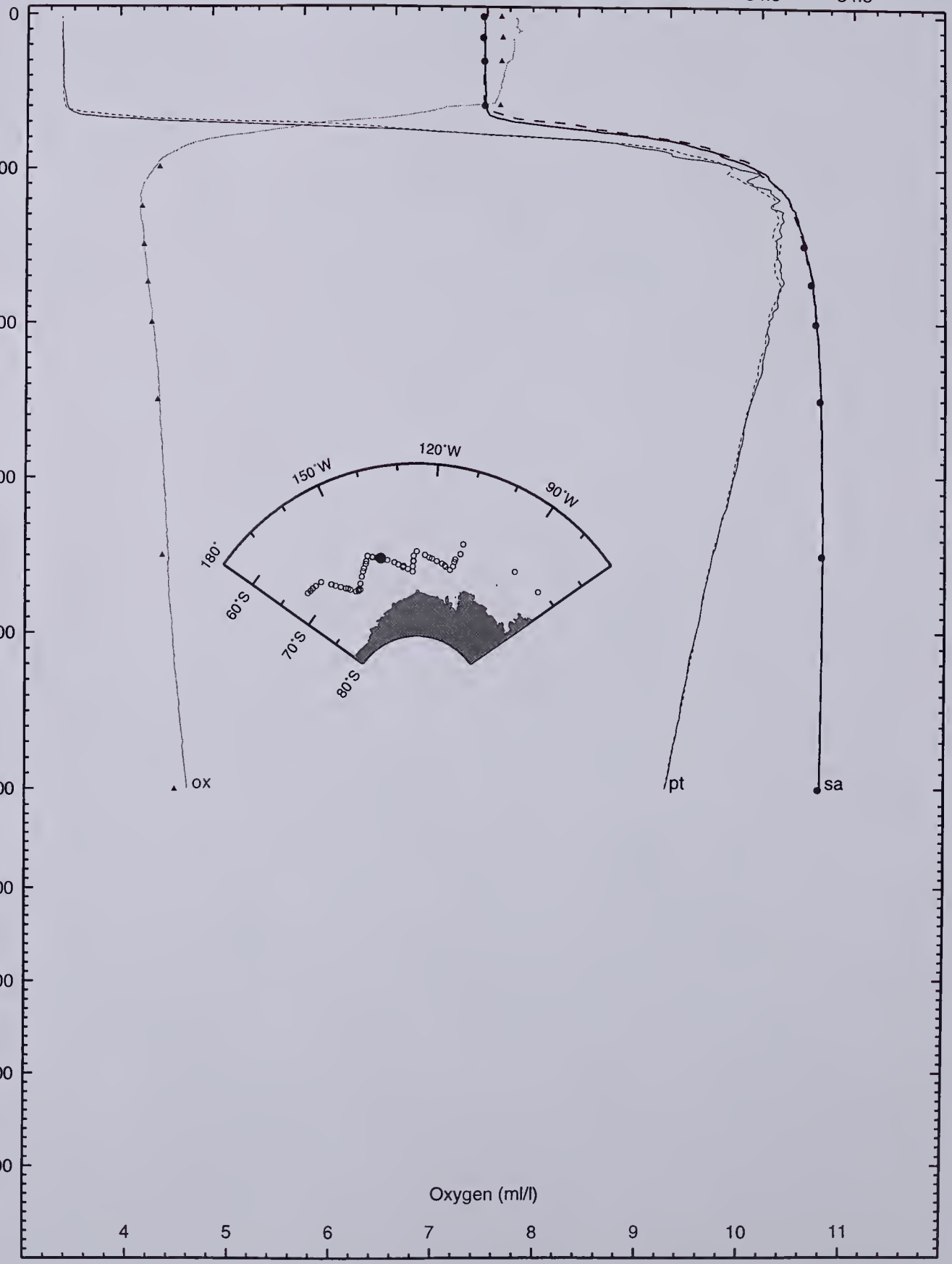
NP9405 045

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Oxygen (ml/l)

4 5 6 7 8 9 10 11

ox pt sa

SHCRUS NP9405	STNM 46D	YR/MO/DA 94/10/01	GTIME 11:27	LATITUDE -67.645	LONGITUDE -140.774	DPTH	HT	BARO 985	WND 21	WNS 15	AIRTM 0.1				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.844	-1.844	0.023	0.020	33.978	7.82	340	27.351	29.752	32.125	36.792	71.5	0.004	1439.2	4
10	-1.843	-1.843	0.028	0.021	33.976	7.81	339	27.350	29.750	32.124	36.790	71.6	0.007	1439.3	9
20	-1.847	-1.847	0.032	0.017	33.978	7.81	339	27.351	29.752	32.125	36.792	71.4	0.014	1439.4	19
30	-1.847	-1.847	0.040	0.018	33.978	7.82	340	27.351	29.752	32.125	36.792	71.3	0.021	1439.6	29
40	-1.846	-1.847	0.048	0.018	33.978	7.83	340	27.351	29.752	32.125	36.792	71.2	0.029	1439.7	39
50	-1.846	-1.847	0.055	0.018	33.978	7.83	341	27.352	29.752	32.126	36.792	71.1	0.036	1439.9	49
60	-1.846	-1.847	0.063	0.018	33.978	7.85	341	27.352	29.752	32.126	36.792	71.1	0.043	1440.1	59
70	-1.846	-1.847	0.071	0.018	33.978	7.87	342	27.352	29.752	32.126	36.792	71.0	0.050	1440.2	69
80	-1.846	-1.847	0.078	0.018	33.979	7.89	343	27.352	29.752	32.126	36.792	70.9	0.057	1440.4	79
90	-1.846	-1.847	0.086	0.018	33.979	7.89	343	27.352	29.752	32.126	36.793	70.8	0.064	1440.5	89
100	-1.845	-1.847	0.094	0.019	33.979	7.89	343	27.352	29.752	32.126	36.793	70.7	0.071	1440.7	98
125	-1.842	-1.844	0.116	0.022	33.980	7.87	342	27.352	29.753	32.126	36.793	70.5	0.089	1441.1	123
150	-1.637	-1.640	0.342	0.229	34.020	7.01	305	27.380	29.777	32.147	36.807	67.9	0.106	1442.6	148
175	0.535	0.528	2.554	2.423	34.397	5.09	221	27.590	29.952	32.288	36.880	49.0	0.121	1453.6	173
200	1.273	1.264	3.321	3.170	34.557	4.38	190	27.672	30.022	32.347	36.917	41.7	0.132	1457.6	197
225	1.508	1.496	3.578	3.409	34.630	4.18	182	27.714	30.061	32.382	36.945	38.0	0.142	1459.1	222
250	1.620	1.607	3.711	3.523	34.664	4.13	179	27.733	30.078	32.397	36.957	36.4	0.151	1460.1	247
275	1.602	1.588	3.713	3.506	34.679	4.15	180	27.746	30.092	32.411	36.972	35.2	0.160	1460.4	271
300	1.614	1.598	3.744	3.519	34.694	4.17	181	27.758	30.103	32.422	36.982	34.2	0.169	1460.9	296
325	1.627	1.610	3.777	3.532	34.706	4.18	182	27.766	30.111	32.430	36.989	33.6	0.177	1461.4	321
350	1.598	1.580	3.767	3.504	34.709	4.21	183	27.771	30.117	32.436	36.996	33.2	0.186	1461.7	346
375	1.588	1.569	3.776	3.494	34.715	4.23	184	27.776	30.122	32.442	37.002	32.7	0.194	1462.0	370
400	1.566	1.545	3.773	3.472	34.719	4.25	185	27.782	30.128	32.447	37.008	32.3	0.202	1462.3	395
425	1.554	1.532	3.780	3.460	34.722	4.27	186	27.785	30.131	32.451	37.013	32.1	0.210	1462.7	420
450	1.537	1.513	3.782	3.443	34.724	4.29	186	27.788	30.135	32.455	37.017	31.9	0.218	1463.0	444
475	1.519	1.494	3.783	3.426	34.726	4.30	187	27.791	30.137	32.458	37.020	31.7	0.226	1463.4	469
500	1.509	1.483	3.792	3.416	34.729	4.32	188	27.794	30.141	32.461	37.024	31.5	0.234	1463.8	494
550	1.457	1.428	3.778	3.364	34.730	4.34	188	27.799	30.147	32.468	37.032	31.2	0.250	1464.3	543
600	1.421	1.390	3.780	3.328	34.731	4.35	189	27.802	30.151	32.472	37.038	30.9	0.265	1465.0	592
650	1.375	1.341	3.772	3.282	34.731	4.35	189	27.806	30.155	32.477	37.044	30.7	0.281	1465.6	642
700	1.332	1.295	3.766	3.239	34.730	4.36	189	27.808	30.158	32.481	37.049	30.6	0.296	1466.3	691
750	1.284	1.244	3.755	3.191	34.730	4.36	190	27.811	30.162	32.486	37.055	30.3	0.311	1466.9	740
800	1.252	1.210	3.761	3.159	34.729	4.34	189	27.813	30.164	32.489	37.059	30.3	0.326	1467.5	790
850	1.210	1.165	3.756	3.117	34.728	4.41	192	27.816	30.167	32.492	37.064	30.1	0.341	1468.2	839
900	1.175	1.128	3.760	3.082	34.727	4.37	190	27.817	30.169	32.495	37.067	30.0	0.356	1468.9	888
950	1.144	1.094	3.766	3.051	34.726	4.37	190	27.819	30.171	32.498	37.071	29.9	0.371	1469.5	938
1000	1.117	1.064	3.777	3.024	34.725	4.44	193	27.820	30.173	32.500	37.074	29.9	0.386	1470.2	987

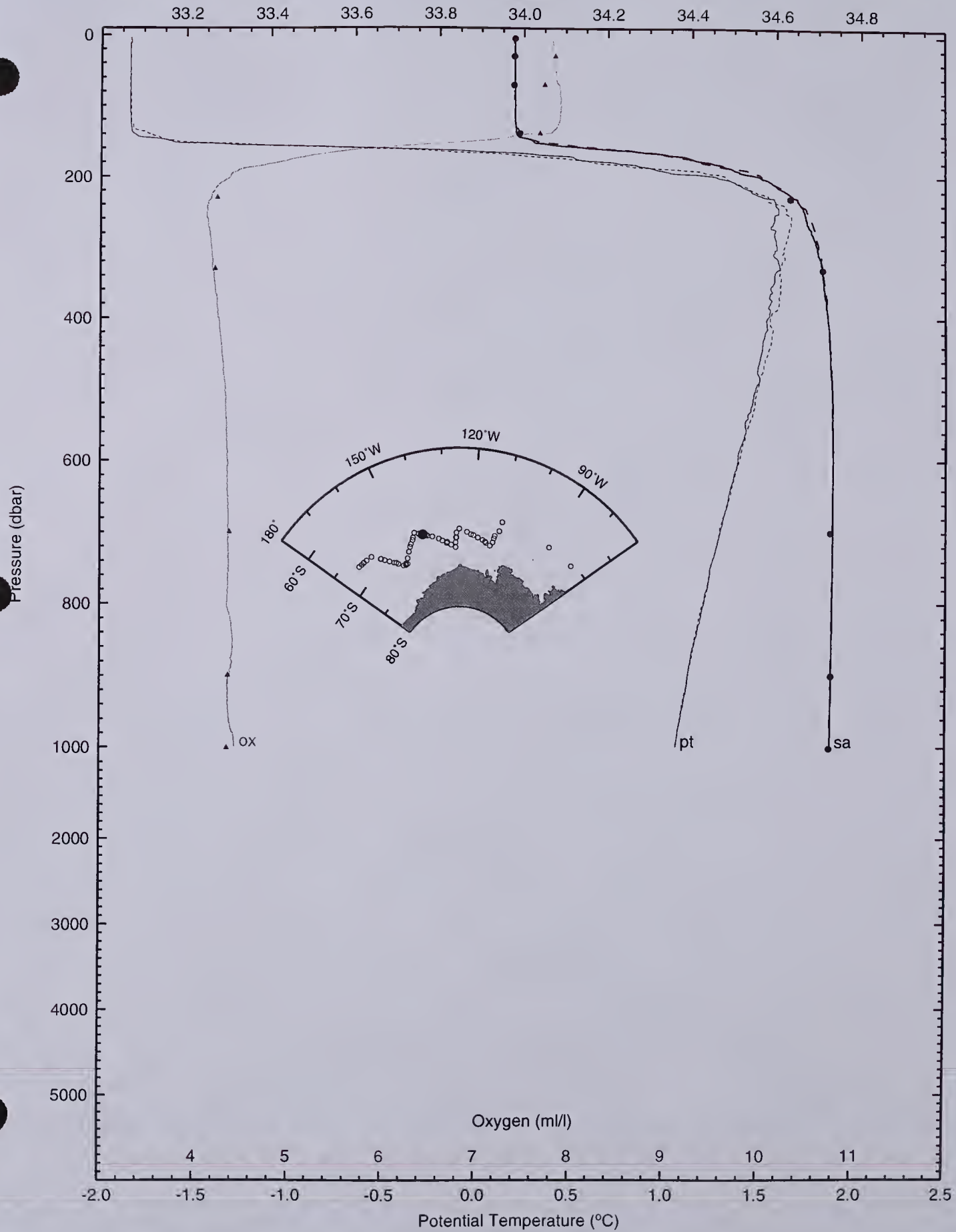
SHCRUS NP9405	STNM 46U	YR/MO/DA 94/10/01	GTIME 12:30	LATITUDE -67.659	LONGITUDE -140.775	DPTH	HT	BARO 985	WND 21	WNS 15	AIRTM 0.1				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
5	-1.845	33.979	33.978		340	41.6	1.88	25.9	2171	452				17	5
30	-1.847	33.978	33.977	7.83	340	41.0	1.90	25.5	2175	451				15	29
71	-1.843	33.978	33.976	7.72	342	40.9	1.89	25.4	2176	449				13	70
140	-1.759	33.992	33.989	7.67	329	41.4	1.89	25.6	2177	454				11	139
231	1.575	34.636	34.630	4.23	181	85.5	2.31	32.9	2254	631				9/10	228
331	1.633	34.705	34.707	4.21	182	92.4	2.22	32.7	2251	601				7	327
700	1.331	34.730	34.725	4.37	189	105.0	2.21	31.5	2255	581				5	692
900	1.178	34.727	34.727	4.36	190	110.9	2.21	32.0	2260	586				3	888
1001	1.116	34.725	34.723	4.35	193	113.4	2.24	31.9	2259	592				1	988

SHCRUS NP9405	STNM 46U	YR/MO/DA 94/10/01	GTIME 12:30	LATITUDE -67.659	LONGITUDE -140.775	DPTH	HT	BARO 985	WND 21	WNS 15	AIRTM 0.1				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.844	-1.845	0.022	0.020	33.978	7.83	340	27.351	29.752	32.125	36.792	71.5	0.003	1439.2	3
10	-1.847	-1.847	0.024	0.017	33.978	7.81	339	27.352	29.752	32.126	36.792	71.4	0.007	1439.2	9
20	-1.847	-1.847	0.032	0.017	33.978	7.81	339	27.352	29.752	32.126	36.792	71.3	0.014	1439.4	19
30	-1.846	-1.847	0.040	0.018	33.978	7.82	340	27.351	29.752	32.125	36.792	71.3	0.021	1439.6	29
40	-1.846	-1.847	0.048	0.018	33.978	7.83	340	27.351	29.752	32.126	36.792	71.2	0.029	1439.7	39
50	-1.846	-1.847	0.056	0.018	33.978	7.83	341	27.351	29.752	32.125	36.792	71.1	0.036	1439.9	49
60	-1.845	-1.846	0.064	0.019	33.978	7.85	341	27.351	29.752	32.125	36.792	71.1	0.043	1440.1	59
70	-1.844	-1.846	0.072	0.020	33.978	7.87	342	27.351	29.751	32.125	36.791	71.1	0.050	1440.2	69
80	-1.843	-1.844	0.081	0.021	33.978	7.89	343	27.351	29.751	32.125	36.791	71.0	0.057	1440.4	79
90	-1.843	-1.845	0.089	0.021	33.978	7.89	343	27.351	29.751	32.125	36.791	70.9	0.064	1440.6	89
100	-1.843	-1.844	0.097	0.022	33.978	7.89	343	27.351	29.751	32.125	36.791	70.9	0.071	1440.7	98
125	-1.834	-1.837	0.124	0.030	33.980	7.87	342	27.353	29.753	32.126	36.793	70.5	0.089	1441.2	123
150	-1.615	-1.618	0.365	0.252	34.028	7.01	305	27.386	29.783	32.152	36.811	67.3	0.106	1442.7	148
175	0.458	0.451	2.477	2.345	34.390	5.09	221	27.589	29.952	32.289	36.883	49.1	0.121	1453.3	173
200	1.333	1.323	3.381	3.230	34.562	4.38	190	27.671	30.021	32.345	36.913	41.8	0.132	1457.8	197
225	1.540	1.528	3.610	3.441	34.630	4.18	182	27.711	30.058	32.378	36.940	38.3	0.142	1459.2	222

Latitude 67 39 S  
Longitude 140 46 W

Salinity

NP9405 046



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	47D	94/10/01	21:36	-67.343	-142.315			983	42	13	0.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.843	-1.843	0.021	0.016	33.903	8.26	359	27.290	29.691	32.065	36.732	77.2	0.004	1439.1	4
10	-1.842	-1.842	0.025	0.017	33.903	8.25	359	27.290	29.691	32.065	36.732	77.2	0.008	1439.2	9
20	-1.843	-1.843	0.031	0.016	33.903	8.24	358	27.291	29.691	32.065	36.732	77.1	0.015	1439.3	19
30	-1.843	-1.843	0.039	0.016	33.904	8.22	357	27.291	29.691	32.065	36.732	77.0	0.023	1439.5	29
40	-1.843	-1.843	0.047	0.017	33.904	8.19	356	27.291	29.692	32.065	36.733	76.9	0.031	1439.6	39
50	-1.842	-1.843	0.055	0.018	33.904	8.14	354	27.291	29.692	32.066	36.733	76.9	0.039	1439.8	49
60	-1.842	-1.843	0.063	0.018	33.904	8.10	352	27.291	29.692	32.066	36.733	76.8	0.046	1440.0	59
70	-1.841	-1.842	0.071	0.019	33.904	8.05	350	27.291	29.692	32.066	36.733	76.7	0.054	1440.1	69
80	-1.841	-1.843	0.079	0.019	33.904	7.96	346	27.291	29.692	32.066	36.733	76.6	0.062	1440.3	79
90	-1.841	-1.842	0.087	0.020	33.905	7.78	338	27.291	29.692	32.066	36.733	76.5	0.069	1440.5	89
100	-1.828	-1.830	0.107	0.032	33.907	7.51	326	27.293	29.693	32.067	36.734	76.4	0.077	1440.7	98
125	-1.065	-1.068	0.898	0.804	34.073	5.94	258	27.404	29.792	32.153	36.795	65.9	0.095	1445.0	123
150	0.947	0.941	2.950	2.837	34.434	4.47	194	27.594	29.950	32.280	36.860	48.8	0.109	1455.1	148
175	1.511	1.502	3.540	3.408	34.561	3.96	172	27.657	30.005	32.326	36.889	43.1	0.120	1458.2	173
200	1.731	1.720	3.782	3.632	34.627	3.87	168	27.694	30.038	32.356	36.913	39.9	0.130	1459.7	197
225	1.789	1.777	3.861	3.692	34.656	3.88	169	27.713	30.056	32.373	36.928	38.2	0.140	1460.4	222
250	1.793	1.780	3.885	3.697	34.675	3.90	170	27.728	30.071	32.388	36.943	36.9	0.150	1460.8	247
275	1.795	1.781	3.907	3.699	34.686	3.94	171	27.737	30.080	32.397	36.951	36.2	0.159	1461.3	271
300	1.789	1.773	3.920	3.694	34.695	3.97	172	27.745	30.088	32.405	36.960	35.5	0.168	1461.7	296
325	1.736	1.718	3.885	3.641	34.700	3.99	174	27.754	30.097	32.415	36.971	34.8	0.176	1461.8	321
350	1.745	1.727	3.914	3.651	34.709	4.03	175	27.759	30.103	32.420	36.976	34.4	0.185	1462.3	346
375	1.725	1.705	3.913	3.631	34.713	4.05	176	27.765	30.109	32.426	36.983	34.0	0.194	1462.6	370
400	1.707	1.686	3.914	3.613	34.716	4.07	177	27.769	30.113	32.431	36.988	33.7	0.202	1463.0	395
425	1.682	1.659	3.908	3.588	34.720	4.09	178	27.773	30.118	32.436	36.994	33.3	0.211	1463.3	420
450	1.649	1.625	3.895	3.555	34.721	4.12	179	27.777	30.122	32.441	37.000	33.0	0.219	1463.5	444
475	1.636	1.611	3.900	3.542	34.723	4.13	180	27.780	30.125	32.444	37.003	32.9	0.227	1463.9	469
500	1.616	1.590	3.899	3.523	34.725	4.15	180	27.783	30.129	32.448	37.007	32.6	0.235	1464.2	494
550	1.576	1.547	3.897	3.483	34.728	4.18	181	27.789	30.135	32.455	37.015	32.3	0.251	1464.9	543
600	1.534	1.502	3.892	3.441	34.730	4.21	183	27.793	30.140	32.460	37.022	32.0	0.268	1465.5	592
650	1.481	1.446	3.877	3.388	34.731	4.22	183	27.798	30.146	32.467	37.030	31.6	0.283	1466.1	642
700	1.438	1.401	3.872	3.345	34.731	4.22	183	27.802	30.150	32.471	37.036	31.4	0.299	1466.7	691
750	1.389	1.349	3.861	3.296	34.730	4.23	184	27.805	30.154	32.476	37.042	31.2	0.315	1467.3	740
800	1.358	1.315	3.868	3.265	34.730	4.25	185	27.807	30.156	32.479	37.047	31.1	0.330	1468.0	790
850	1.322	1.277	3.869	3.229	34.730	4.29	186	27.809	30.159	32.483	37.051	30.9	0.346	1468.7	839
900	1.278	1.230	3.863	3.185	34.729	4.34	188	27.812	30.163	32.487	37.057	30.7	0.361	1469.3	888
950	1.240	1.189	3.862	3.147	34.728	4.36	189	27.814	30.166	32.490	37.061	30.6	0.377	1470.0	938
1000	1.204	1.150	3.864	3.111	34.727	4.39	191	27.816	30.168	32.493	37.065	30.5	0.392	1470.6	987

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	47U	94/10/01	22:20	-67.356	-142.321			983	42	13	0.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.841	-1.841	0.022	0.019	33.905	8.26	359	27.292	29.693	32.066	36.733	77.1	0.004	1439.1	4
10	-1.842	-1.842	0.025	0.018	33.905	8.25	359	27.292	29.693	32.066	36.734	77.0	0.008	1439.2	9
20	-1.842	-1.842	0.033	0.018	33.905	8.24	358	27.292	29.693	32.066	36.734	77.0	0.015	1439.3	19
30	-1.841	-1.841	0.041	0.019	33.906	8.22	357	27.292	29.693	32.067	36.734	76.9	0.023	1439.5	29
40	-1.841	-1.842	0.049	0.019	33.905	8.19	356	27.292	29.693	32.067	36.734	76.8	0.031	1439.7	39
50	-1.841	-1.842	0.057	0.019	33.906	8.14	354	27.292	29.693	32.067	36.734	76.7	0.038	1439.8	49
60	-1.840	-1.841	0.065	0.020	33.906	8.10	352	27.292	29.693	32.067	36.734	76.7	0.046	1440.0	59
70	-1.838	-1.839	0.075	0.022	33.907	8.05	350	27.293	29.694	32.068	36.735	76.5	0.054	1440.2	69
80	-1.835	-1.836	0.085	0.025	33.909	7.96	346	27.295	29.695	32.069	36.736	76.3	0.061	1440.3	79
90	-1.803	-1.805	0.125	0.058	33.923	7.78	338	27.305	29.705	32.078	36.744	75.3	0.069	1440.7	89
100	-1.587	-1.589	0.352	0.276	33.969	7.51	326	27.337	29.734	32.103	36.762	72.2	0.076	1441.9	98
125	-0.556	-0.560	1.414	1.320	34.197	5.94	258	27.485	29.864	32.217	36.843	58.5	0.093	1447.5	123
150	1.090	1.083	3.096	2.982	34.480	4.47	194	27.622	29.976	32.303	36.879	46.2	0.106	1455.8	148
175	1.642	1.633	3.673	3.541	34.591	3.96	172	27.672	30.018	32.337	36.896	41.8	0.117	1458.8	173
200	1.794	1.784	3.846	3.695	34.637	3.87	168	27.698	30.041	32.358	36.913	39.6	0.127	1460.0	197
225	1.805	1.793	3.877	3.708	34.659	3.88	169	27.715	30.057	32.374	36.928	38.1	0.137	1460.5	222
250	1.809	1.796	3.901	3.713	34.675	3.90	170	27.727	30.070	32.386	36.940	37.1	0.146	1460.9	247
275	1.800	1.785	3.911	3.704	34.686	3.94	171	27.737	30.080	32.396	36.951	36.2	0.155	1461.3	271
300	1.792	1.776	3.923	3.697	34.697	3.97	172	27.746	30.089	32.406	36.961	35.4	0.164	1461.7	296
325	1.764	1.747	3.914	3.669	34.702	3.99	174	27.753	30.096	32.413	36.969	34.9	0.173	1462.0	321
350	1.749	1.731	3.918	3.654	34.707	4.03	175	27.758	30.102	32.419	36.975	34.5	0.182	1462.3	346
375	1.733	1.713	3.921	3.639	34.713	4.05	176	27.764	30.108	32.425	36.981	34.1	0.190	1462.7	370
400	1.709	1.687	3.916	3.615	34.716	4.07	177	27.769	30.113	32.430	36.988	33.7	0.199	1463.0	395
425	1.690	1.667	3.916	3.596	34.719	4.09	178	27.773	30.117	32.435	36.993	33.4	0.207	1463.3	420
450	1.663	1.639	3.909	3.569	34.722	4.12	179	27.777	30.122	32.440	36.999	33.1	0.216	1463.6	444
475	1.641	1.616	3.905	3.547	34.724	4.13	180	27.780	30.125	32.444	37.003	32.8	0.224	1463.9	469
500	1.609	1.583	3.893	3.516	34.725	4.15	180	27.783	30.129	32.448	37.008	32.6	0.232	1464.2	494
550	1.573	1.544	3.894	3.480	34.728	4.18	181	27.788	30.135	32.454	37.015	32.3	0.248	1464.9	543
600	1.530	1.498	3.888	3.437	34.730	4.21	183	27.793	30.140	32.460	37.023	32.0	0.264	1465.5	592
650	1.481	1.446	3.877	3.388	34.730	4.22	183	27.798	30.145	32.466	37.030	31.7	0.280	1466.1	642
700	1.432	1.394	3.866	3.339	34.730	4.22	183	27.801	30.149	32.471	37.036	31.4	0.296	1466.7	691
750	1.390	1.350	3.862	3.297	34.730	4.23	184	27.804	30.153	32.476	37.042	31.2	0.312	1467.3	740
800	1.355	1.312	3.864												

Latitude 67 21 S  
Longitude 142 19 W

Salinity

NP9405 047

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

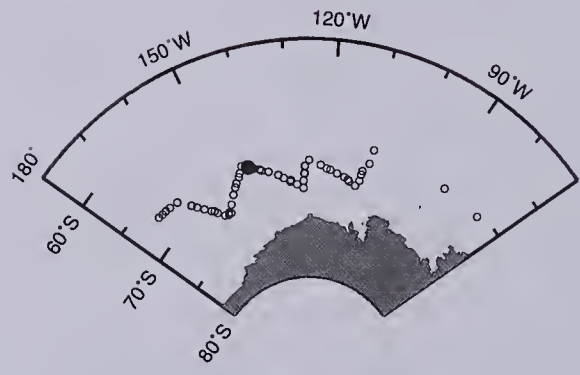
Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

ox

pt

sa



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 48D	YR/MO/DA 94/10/01	GTIME 22:23	LATITUDE -67.357	LONGITUDE -142.321	DPTH	HT	BARO 983	WND 42	WNS 13	AIRTM 0.4						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
5	-1.841	-1.841	0.023	0.019	33.907	8.12	353	27.293	29.694	32.067	36.734	77.0	0.004	1439.1	4		
10	-1.843	-1.843	0.025	0.017	33.907	8.12	353	27.293	29.694	32.068	36.735	76.9	0.008	1439.2	9		
20	-1.843	-1.843	0.032	0.017	33.907	8.12	353	27.293	29.694	32.068	36.735	76.9	0.015	1439.3	19		
30	-1.842	-1.843	0.040	0.018	33.907	8.10	352	27.293	29.694	32.068	36.735	76.8	0.023	1439.5	29		
40	-1.842	-1.843	0.048	0.018	33.907	8.07	351	27.293	29.694	32.068	36.735	76.7	0.031	1439.7	39		
50	-1.842	-1.843	0.055	0.018	33.907	8.04	349	27.294	29.694	32.068	36.735	76.6	0.038	1439.8	49		
60	-1.842	-1.843	0.063	0.018	33.907	8.00	348	27.294	29.694	32.068	36.735	76.5	0.046	1440.0	59		
70	-1.842	-1.843	0.071	0.018	33.907	7.94	345	27.294	29.695	32.068	36.735	76.5	0.054	1440.1	69		
80	-1.841	-1.843	0.079	0.019	33.908	7.87	342	27.294	29.695	32.069	36.736	76.4	0.061	1440.3	79		
90	-1.829	-1.831	0.098	0.031	33.912	7.74	336	27.297	29.698	32.071	36.738	76.0	0.069	1440.5	89		
100	-1.658	-1.660	0.279	0.204	33.948	7.44	323	27.322	29.720	32.090	36.752	73.6	0.076	1441.6	98		
125	-0.646	-0.650	1.321	1.227	34.147	5.36	233	27.448	29.829	32.183	36.812	61.9	0.094	1447.0	123		
150	0.997	0.990	3.001	2.888	34.448	4.15	180	27.602	29.958	32.286	36.865	48.0	0.107	1455.4	148		
175	1.639	1.630	3.669	3.538	34.586	3.90	169	27.668	30.014	32.333	36.893	42.2	0.119	1458.8	173		
200	1.787	1.777	3.839	3.688	34.635	3.85	167	27.696	30.040	32.356	36.912	39.7	0.129	1459.9	197		
225	1.814	1.802	3.886	3.717	34.655	3.86	168	27.711	30.054	32.370	36.925	38.4	0.138	1460.5	222		
250	1.819	1.805	3.910	3.723	34.673	3.89	169	27.725	30.067	32.384	36.938	37.3	0.148	1460.9	247		
275	1.807	1.792	3.918	3.711	34.686	3.91	170	27.736	30.079	32.395	36.950	36.3	0.157	1461.3	271		
300	1.794	1.778	3.925	3.699	34.696	3.94	171	27.745	30.088	32.405	36.959	35.6	0.166	1461.7	296		
325	1.768	1.751	3.918	3.673	34.701	3.97	173	27.752	30.095	32.412	36.968	35.0	0.175	1462.0	321		
350	1.754	1.735	3.923	3.660	34.709	3.99	174	27.759	30.103	32.420	36.976	34.4	0.184	1462.3	346		
375	1.731	1.711	3.919	3.637	34.712	4.02	175	27.764	30.107	32.425	36.981	34.1	0.192	1462.7	370		
400	1.711	1.690	3.918	3.617	34.716	4.04	176	27.768	30.112	32.430	36.987	33.7	0.201	1463.0	395		
425	1.694	1.672	3.921	3.600	34.719	4.07	177	27.772	30.117	32.435	36.992	33.4	0.209	1463.3	420		
450	1.664	1.640	3.909	3.570	34.722	4.10	178	27.777	30.122	32.440	36.998	33.1	0.217	1463.6	444		
475	1.637	1.612	3.902	3.543	34.724	4.11	179	27.780	30.125	32.444	37.003	32.8	0.226	1463.9	469		
500	1.609	1.582	3.892	3.516	34.725	4.14	180	27.784	30.129	32.449	37.009	32.6	0.234	1464.2	494		
550	1.572	1.543	3.893	3.479	34.728	4.16	181	27.789	30.135	32.455	37.016	32.3	0.250	1464.8	543		
600	1.533	1.501	3.891	3.440	34.730	4.19	182	27.794	30.140	32.461	37.023	32.0	0.266	1465.5	592		
650	1.483	1.448	3.879	3.390	34.731	4.20	183	27.798	30.146	32.467	37.030	31.6	0.282	1466.1	642		
700	1.440	1.403	3.874	3.347	34.731	4.22	183	27.802	30.150	32.471	37.036	31.4	0.298	1466.7	691		
750	1.396	1.356	3.868	3.303	34.731	4.25	184	27.805	30.154	32.476	37.042	31.2	0.313	1467.4	740		
800	1.358	1.315	3.867	3.265	34.731	4.28	186	27.807	30.157	32.480	37.047	31.0	0.329	1468.0	790		
850	1.315	1.269	3.862	3.222	34.730	4.30	187	27.810	30.160	32.484	37.053	30.8	0.344	1468.7	839		
900	1.278	1.230	3.863	3.185	34.730	4.33	188	27.813	30.163	32.487	37.057	30.7	0.360	1469.3	888		
950	1.241	1.189	3.863	3.148	34.729	4.37	190	27.815	30.166	32.491	37.061	30.6	0.375	1470.0	938		
999	1.209	1.155	3.868	3.116	34.728	4.39	191	27.816	30.168	32.493	37.065	30.5	0.390	1470.6	986		

SHCRUS NP9405	STNM 48U	YR/MO/DA 94/10/01	GTIME 23:04	LATITUDE -67.368	LONGITUDE -142.322	DPTH	HT	BARO 983	WND 42	WNS 13	AIRTM 0.4						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
5	-1.839	-1.839	0.025	0.021	33.907	8.12	353	27.294	29.694	32.068	36.735	76.9	0.004	1439.1	4		
10	-1.840	-1.840	0.027	0.020	33.907	8.12	353	27.294	29.694	32.068	36.735	76.9	0.008	1439.2	9		
20	-1.839	-1.839	0.036	0.021	33.908	8.12	353	27.294	29.695	32.069	36.736	76.8	0.015	1439.3	19		
30	-1.839	-1.839	0.043	0.021	33.908	8.10	352	27.294	29.695	32.068	36.735	76.7	0.023	1439.5	29		
40	-1.838	-1.839	0.051	0.022	33.909	8.07	351	27.295	29.696	32.069	36.736	76.6	0.031	1439.7	39		
50	-1.838	-1.839	0.059	0.022	33.909	8.04	349	27.295	29.695	32.069	36.736	76.5	0.038	1439.8	49		
60	-1.838	-1.839	0.067	0.022	33.909	8.00	348	27.295	29.696	32.069	36.736	76.4	0.046	1440.0	59		
70	-1.836	-1.837	0.076	0.024	33.909	7.94	345	27.295	29.696	32.069	36.736	76.3	0.054	1440.2	69		
80	-1.833	-1.835	0.087	0.027	33.910	7.87	342	27.296	29.696	32.070	36.737	76.2	0.061	1440.4	79		
90	-1.825	-1.827	0.102	0.035	33.913	7.74	336	27.298	29.699	32.072	36.739	75.9	0.069	1440.6	89		
100	-1.752	-1.754	0.185	0.109	33.938	7.44	323	27.316	29.715	32.087	36.752	74.2	0.076	1441.1	98		
125	-0.054	-0.058	1.922	1.827	34.285	5.36	233	27.532	29.903	32.248	36.858	54.2	0.093	1450.0	123		
150	1.337	1.329	3.345	3.232	34.529	4.15	180	27.644	29.994	32.318	36.887	44.2	0.105	1457.0	148		
175	1.704	1.696	3.736	3.604	34.603	3.90	169	27.677	30.022	32.340	36.898	41.3	0.116	1459.1	173		
200	1.797	1.787	3.850	3.699	34.642	3.85	167	27.701	30.044	32.361	36.916	39.2	0.126	1460.0	197		
225	1.816	1.804	3.888	3.719	34.662	3.86	168	27.716	30.059	32.375	36.929	38.0	0.135	1460.5	222		
250	1.817	1.804	3.909	3.721	34.676	3.89	169	27.727	30.070	32.386	36.940	37.0	0.145	1460.9	247		
275	1.811	1.796	3.922	3.715	34.685	3.91	170	27.736	30.078	32.395	36.949	36.3	0.154	1461.3	271		
300	1.788	1.772	3.918	3.693	34.693	3.94	171	27.744	30.086	32.403	36.958	35.7	0.163	1461.7	296		
325	1.778	1.760	3.928	3.683	34.701	3.97	173	27.751	30.094	32.411	36.966	35.1	0.172	1462.0	321		
350	1.769	1.750	3.938	3.674	34.707	3.99	174	27.756	30.100	32.416	36.972	34.7	0.180	1462.4	346		
375	1.742	1.722	3.930	3.648	34.711	4.02	175	27.762	30.105	32.423	36.979	34.3	0.189	1462.7	370		
400	1.716	1.695	3.923	3.622	34.714	4.04	176	27.766	30.110	32.428	36.985	33.9	0.198	1463.0	395		
425	1.692	1.669	3.918	3.598	34.718	4.07	177	27.771	30.116	32.434	36.992	33.5	0.206	1463.3	420		
450	1.673	1.649	3.918	3.579	34.722	4.10	178	27.776	30.120	32.439	36.997	33.2	0.214	1463.6	444		
475	1.645	1.619	3.909	3.551	34.723	4.11	179	27.779	30.124	32.443	37.002	33.0	0.223	1463.9	469		
500	1.633	1.606	3.916	3.540	34.726	4.14	180	27.783	30.128	32.447	37.006	32.7	0.231	1464.3	494		
550	1.582	1.552	3.903	3.489	34.728	4.16	181	27.788	30.134	32.454	37.014	32.4	0.247	1464.9	543		
600	1.542	1.510	3.900	3.449	34.730	4.19	182	27.793	30.139	32.459	37.021	32.0	0.263	1465.5	592		
650	1.492	1.457	3.888	3.3													

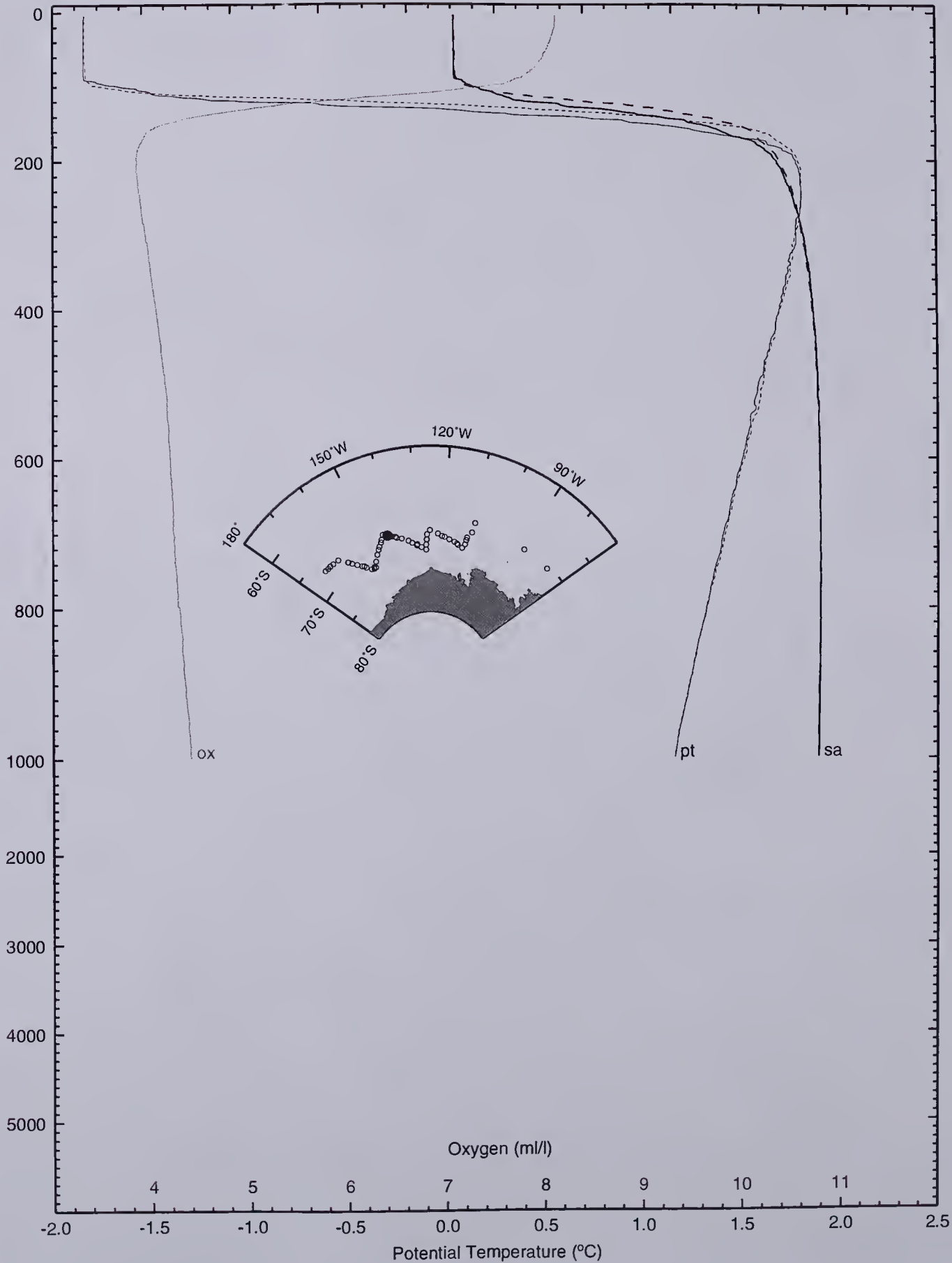
Latitude 67 21 S  
Longitude 142 19 W

NP9405 048

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





SHCRUS NP9405	STNM 49D	YR/MO/DA 94/10/01	GTIME 23:06	LATITUDE -67.368	LONGITUDE -142.322	DPTH	HT	BARO 983	WND 42	WNS 13	AIRTM 0.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.838	-1.838	0.025	0.022	33.908	7.90	343	27.294	29.695	32.069	36.736	76.8	0.004	1439.1	4
10	-1.839	-1.840	0.028	0.021	33.909	7.89	343	27.295	29.695	32.069	36.736	76.8	0.008	1439.2	9
20	-1.841	-1.841	0.034	0.019	33.909	7.85	341	27.295	29.696	32.070	36.737	76.7	0.015	1439.3	19
30	-1.840	-1.841	0.042	0.020	33.910	7.81	340	27.296	29.696	32.070	36.737	76.6	0.023	1439.5	29
40	-1.840	-1.841	0.050	0.020	33.910	7.76	337	27.296	29.696	32.070	36.737	76.5	0.031	1439.7	39
50	-1.840	-1.841	0.058	0.020	33.910	7.71	335	27.296	29.697	32.070	36.737	76.4	0.038	1439.8	49
60	-1.839	-1.841	0.066	0.021	33.911	7.63	332	27.297	29.697	32.071	36.738	76.3	0.046	1440.0	59
70	-1.839	-1.840	0.074	0.021	33.911	7.55	328	27.297	29.697	32.071	36.738	76.2	0.054	1440.2	69
80	-1.838	-1.840	0.082	0.022	33.911	7.42	322	27.297	29.697	32.071	36.738	76.1	0.061	1440.3	79
90	-1.836	-1.837	0.092	0.024	33.911	7.20	313	27.297	29.697	32.071	36.738	76.0	0.069	1440.5	89
100	-1.795	-1.797	0.141	0.065	33.921	6.70	291	27.304	29.704	32.077	36.742	75.3	0.076	1440.9	98
125	-0.284	-0.288	1.687	1.593	34.207	4.86	211	27.480	29.855	32.204	36.821	59.0	0.093	1448.8	123
150	1.217	1.210	3.223	3.110	34.491	4.15	181	27.622	29.974	32.300	36.872	46.2	0.106	1456.4	148
175	1.674	1.665	3.705	3.573	34.592	3.92	170	27.671	30.016	32.334	36.893	41.9	0.117	1459.0	173
200	1.801	1.791	3.853	3.703	34.643	3.88	168	27.702	30.045	32.362	36.917	39.2	0.127	1460.0	197
225	1.815	1.803	3.887	3.718	34.661	3.88	169	27.715	30.058	32.374	36.929	38.0	0.137	1460.5	222
250	1.819	1.806	3.911	3.723	34.676	3.90	170	27.728	30.070	32.387	36.941	37.0	0.146	1461.0	247
275	1.813	1.799	3.925	3.717	34.686	3.93	171	27.736	30.079	32.395	36.949	36.3	0.156	1461.3	271
300	1.793	1.777	3.924	3.698	34.694	3.95	172	27.744	30.087	32.404	36.959	35.6	0.165	1461.7	296
325	1.770	1.753	3.920	3.675	34.700	3.98	173	27.751	30.094	32.411	36.967	35.1	0.173	1462.0	321
350	1.758	1.740	3.927	3.664	34.707	4.02	175	27.758	30.101	32.418	36.974	34.6	0.182	1462.4	346
375	1.743	1.724	3.932	3.649	34.714	4.04	176	27.764	30.107	32.425	36.981	34.1	0.191	1462.7	370
400	1.720	1.699	3.927	3.626	34.717	4.07	177	27.768	30.112	32.430	36.987	33.7	0.199	1463.0	395
425	1.700	1.678	3.927	3.606	34.719	4.09	178	27.772	30.116	32.434	36.991	33.5	0.208	1463.4	420
450	1.692	1.668	3.937	3.598	34.723	4.12	179	27.776	30.120	32.438	36.995	33.3	0.216	1463.7	444
475	1.657	1.631	3.921	3.563	34.724	4.12	179	27.779	30.124	32.442	37.001	33.0	0.224	1464.0	469
500	1.630	1.603	3.913	3.537	34.725	4.14	180	27.782	30.127	32.446	37.005	32.8	0.232	1464.3	494
550	1.584	1.554	3.904	3.491	34.729	4.18	182	27.789	30.135	32.454	37.015	32.3	0.249	1464.9	543
600	1.544	1.512	3.902	3.451	34.731	4.21	183	27.794	30.140	32.460	37.022	32.0	0.265	1465.6	592
650	1.500	1.466	3.897	3.407	34.732	4.24	184	27.797	30.145	32.465	37.029	31.7	0.281	1466.2	642
700	1.457	1.420	3.891	3.364	34.731	4.26	185	27.800	30.148	32.470	37.034	31.5	0.296	1466.8	691
750	1.411	1.371	3.883	3.318	34.732	4.27	186	27.804	30.153	32.475	37.041	31.3	0.312	1467.4	740
800	1.371	1.328	3.880	3.278	34.731	4.31	187	27.807	30.156	32.479	37.046	31.1	0.328	1468.1	790
850	1.326	1.281	3.873	3.233	34.731	4.34	189	27.810	30.160	32.483	37.052	30.9	0.343	1468.7	839
900	1.292	1.243	3.876	3.199	34.730	4.37	190	27.812	30.163	32.486	37.056	30.8	0.359	1469.4	888
950	1.253	1.202	3.875	3.160	34.729	4.41	192	27.814	30.165	32.490	37.060	30.7	0.374	1470.0	938
998	1.213	1.159	3.871	3.120	34.728	4.44	193	27.816	30.168	32.493	37.065	30.5	0.389	1470.6	985

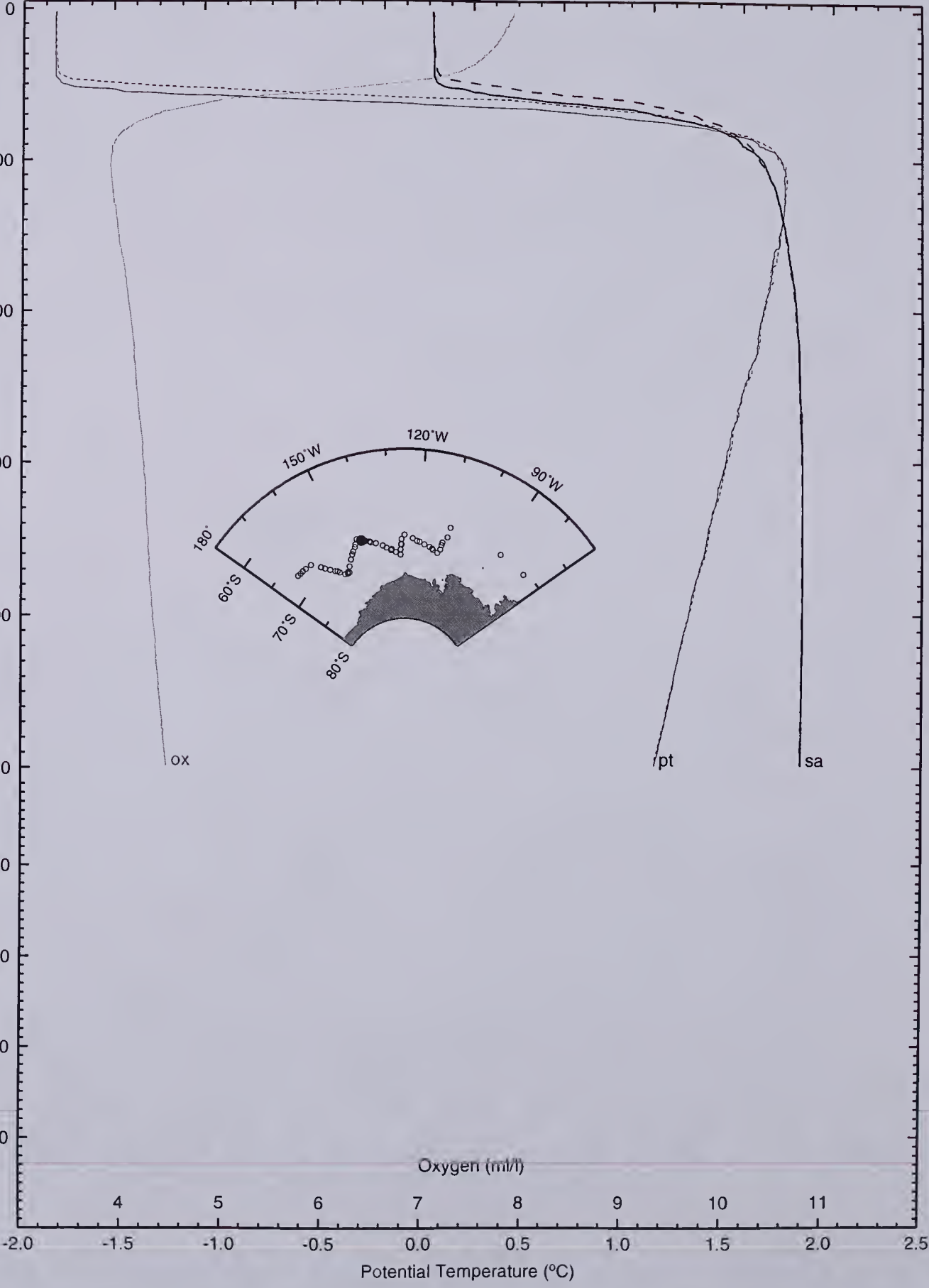
SHCRUS NP9405	STNM 49U	YR/MO/DA 94/10/01	GTIME 23:45	LATITUDE -67.373	LONGITUDE -142.322	DPTH	HT	BARO 983	WND 42	WNS 13	AIRTM 0.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.837	-1.837	0.027	0.023	33.910	7.90	343	27.296	29.696	32.070	36.737	76.7	0.005	1439.1	5
10	-1.838	-1.838	0.029	0.022	33.910	7.89	343	27.296	29.697	32.070	36.737	76.7	0.008	1439.2	9
20	-1.838	-1.839	0.037	0.022	33.910	7.85	341	27.296	29.696	32.070	36.737	76.6	0.015	1439.4	19
30	-1.838	-1.839	0.044	0.022	33.910	7.81	340	27.296	29.696	32.070	36.737	76.6	0.023	1439.5	29
40	-1.837	-1.837	0.053	0.023	33.912	7.76	337	27.297	29.698	32.071	36.738	76.4	0.031	1439.7	39
50	-1.835	-1.836	0.062	0.025	33.912	7.71	335	27.297	29.698	32.072	36.739	76.2	0.038	1439.9	49
60	-1.833	-1.835	0.072	0.027	33.913	7.63	332	27.298	29.699	32.072	36.739	76.1	0.046	1440.0	59
70	-1.830	-1.831	0.083	0.030	33.914	7.55	328	27.299	29.700	32.073	36.740	76.0	0.053	1440.2	69
80	-1.827	-1.829	0.093	0.033	33.917	7.42	322	27.301	29.701	32.075	36.741	75.7	0.061	1440.4	79
90	-1.797	-1.799	0.131	0.064	33.927	7.20	313	27.308	29.709	32.082	36.747	74.9	0.069	1440.7	89
100	-1.470	-1.472	0.471	0.396	34.010	6.70	291	27.367	29.761	32.129	36.784	69.4	0.076	1442.6	98
125	0.594	0.589	2.574	2.481	34.377	4.86	211	27.570	29.932	32.267	36.857	50.8	0.091	1453.0	123
150	1.372	1.365	3.381	3.268	34.535	4.15	181	27.647	29.996	32.319	36.887	44.0	0.103	1457.2	148
175	1.697	1.688	3.728	3.597	34.605	3.92	170	27.679	30.023	32.342	36.900	41.2	0.113	1459.1	173
200	1.794	1.783	3.846	3.695	34.636	3.88	168	27.697	30.040	32.357	36.912	39.6	0.123	1460.0	197
225	1.829	1.817	3.901	3.732	34.660	3.88	169	27.714	30.056	32.372	36.926	38.2	0.133	1460.6	222
250	1.821	1.808	3.913	3.725	34.676	3.90	170	27.727	30.070	32.386	36.940	37.0	0.142	1461.0	247
275	1.813	1.798	3.924	3.717	34.685	3.93	171	27.735	30.078	32.394	36.949	36.4	0.152	1461.3	271
300	1.800	1.784	3.931	3.705	34.694	3.95	172	27.743	30.086	32.402	36.957	35.8	0.161	1461.7	296
325	1.787	1.770	3.937	3.692	34.700	3.98	173	27.749	30.092	32.409	36.964	35.3	0.169	1462.1	321
350	1.752	1.734	3.921	3.657	34.705	4.02	175	27.756	30.100	32.417	36.973	34.7	0.178	1462.3	346
375	1.740	1.720	3.928	3.646	34.712	4.04	176	27.763	30.106	32.424	36.980	34.2	0.187	1462.7	370
400	1.722	1.701	3.930	3.628	34.715	4.07	177	27.767	30.111	32.428	36.985	33.9	0.195	1463.0	395
425	1.702	1.680	3.929	3.608	34.718	4.09	178	27.771	30.115	32.433	36.990	33.6	0.204	1463.4	420
450	1.698	1.674	3.943	3.604	34.722	4.12	179	27.774	30.119	32.437	36.994	33.4	0.212	1463.8	444
475	1.667	1.641	3.931	3.573	34.724	4.12	179	27.778	30.123	32.441	37.000	33.1	0.220	1464.0</	

Latitude 67 22 S  
Longitude 142 19 W

Salinity

NP9405 049

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM					
NP9405	50D	94/10/01	23:48	-67.373	-142.322			983	42	13	0.4					
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	pss	m1/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
6	-1.837	-1.837	0.027	0.023	33.911	7.92	344	27.297	29.698	32.071	36.738	76.6	0.005	1439.1	5	
10	-1.839	-1.840	0.028	0.021	33.912	7.92	344	27.297	29.698	32.071	36.738	76.6	0.008	1439.2	9	
20	-1.839	-1.840	0.036	0.021	33.911	7.90	344	27.297	29.698	32.071	36.738	76.5	0.015	1439.4	19	
30	-1.839	-1.840	0.044	0.021	33.911	7.87	342	27.297	29.698	32.071	36.738	76.4	0.023	1439.5	29	
40	-1.839	-1.839	0.051	0.021	33.913	7.83	341	27.298	29.699	32.072	36.739	76.3	0.031	1439.7	39	
50	-1.838	-1.839	0.060	0.022	33.913	7.79	339	27.298	29.699	32.073	36.740	76.2	0.038	1439.8	49	
60	-1.833	-1.834	0.073	0.027	33.915	7.74	336	27.300	29.700	32.074	36.741	76.0	0.046	1440.0	59	
70	-1.833	-1.835	0.080	0.027	33.915	7.66	333	27.300	29.701	32.074	36.741	75.9	0.053	1440.2	69	
80	-1.830	-1.831	0.090	0.030	33.915	7.55	328	27.300	29.700	32.074	36.741	75.8	0.061	1440.4	79	
90	-1.825	-1.826	0.103	0.035	33.916	7.36	320	27.300	29.701	32.074	36.741	75.7	0.069	1440.6	89	
100	-1.657	-1.659	0.280	0.205	33.940	6.81	296	27.315	29.713	32.084	36.745	74.3	0.076	1441.6	98	
125	-0.106	-0.111	1.867	1.773	34.242	4.78	208	27.500	29.873	32.218	36.830	57.2	0.093	1449.7	123	
150	1.359	1.352	3.367	3.253	34.515	4.15	180	27.631	29.981	32.304	36.872	45.4	0.105	1457.1	148	
175	1.692	1.683	3.723	3.591	34.601	3.96	172	27.677	30.021	32.339	36.898	41.4	0.116	1459.1	173	
200	1.797	1.786	3.849	3.698	34.636	3.94	171	27.697	30.040	32.357	36.912	39.6	0.126	1460.0	197	
225	1.833	1.821	3.905	3.736	34.660	3.94	171	27.713	30.056	32.372	36.926	38.2	0.136	1460.6	222	
250	1.826	1.812	3.917	3.730	34.675	3.96	172	27.726	30.068	32.385	36.939	37.2	0.145	1461.0	247	
275	1.815	1.801	3.927	3.720	34.686	3.99	174	27.736	30.079	32.395	36.949	36.3	0.154	1461.4	271	
300	1.816	1.800	3.947	3.721	34.695	4.02	175	27.743	30.086	32.402	36.956	35.8	0.164	1461.8	296	
325	1.785	1.767	3.934	3.690	34.701	4.05	176	27.750	30.093	32.410	36.965	35.2	0.172	1462.1	321	
350	1.759	1.740	3.928	3.664	34.706	4.07	177	27.756	30.100	32.417	36.973	34.7	0.181	1462.4	346	
375	1.740	1.720	3.928	3.646	34.712	4.10	178	27.763	30.106	32.424	36.980	34.2	0.190	1462.7	370	
400	1.721	1.700	3.928	3.627	34.716	4.12	179	27.767	30.111	32.429	36.986	33.9	0.198	1463.0	395	
425	1.694	1.671	3.920	3.600	34.719	4.16	181	27.772	30.116	32.434	36.992	33.5	0.207	1463.3	420	
450	1.695	1.671	3.941	3.601	34.724	4.18	181	27.776	30.120	32.438	36.996	33.2	0.215	1463.7	444	
475	1.667	1.642	3.932	3.574	34.725	4.19	182	27.779	30.124	32.442	37.000	33.0	0.223	1464.0	469	
500	1.642	1.615	3.925	3.549	34.726	4.21	183	27.782	30.127	32.446	37.005	32.8	0.232	1464.3	494	
550	1.604	1.575	3.925	3.511	34.729	4.25	185	27.788	30.133	32.453	37.013	32.4	0.248	1465.0	543	
600	1.552	1.520	3.911	3.459	34.730	4.27	185	27.793	30.139	32.459	37.021	32.1	0.264	1465.6	592	
650	1.500	1.465	3.896	3.407	34.730	4.30	187	27.796	30.144	32.464	37.028	31.8	0.280	1466.2	642	
700	1.457	1.420	3.891	3.364	34.731	4.34	188	27.800	30.148	32.470	37.034	31.5	0.296	1466.8	691	
750	1.418	1.378	3.890	3.325	34.732	4.37	190	27.804	30.152	32.474	37.040	31.3	0.311	1467.5	740	
800	1.381	1.338	3.890	3.288	34.732	4.39	191	27.807	30.156	32.478	37.045	31.2	0.327	1468.1	790	
850	1.338	1.293	3.885	3.245	34.731	4.42	192	27.809	30.159	32.482	37.050	31.0	0.343	1468.8	839	
900	1.293	1.244	3.877	3.200	34.730	4.46	194	27.812	30.163	32.486	37.056	30.8	0.358	1469.4	888	
950	1.252	1.200	3.874	3.159	34.729	4.48	195	27.814	30.165	32.490	37.060	30.6	0.373	1470.0	938	
1000	1.216	1.162	3.876	3.123	34.728	4.53	197	27.816	30.168	32.493	37.064	30.5	0.389	1470.7	987	
1004	1.212	1.158	3.875	3.119	34.728	4.54	197	27.816	30.168	32.493	37.065	30.5	0.390	1470.7	991	

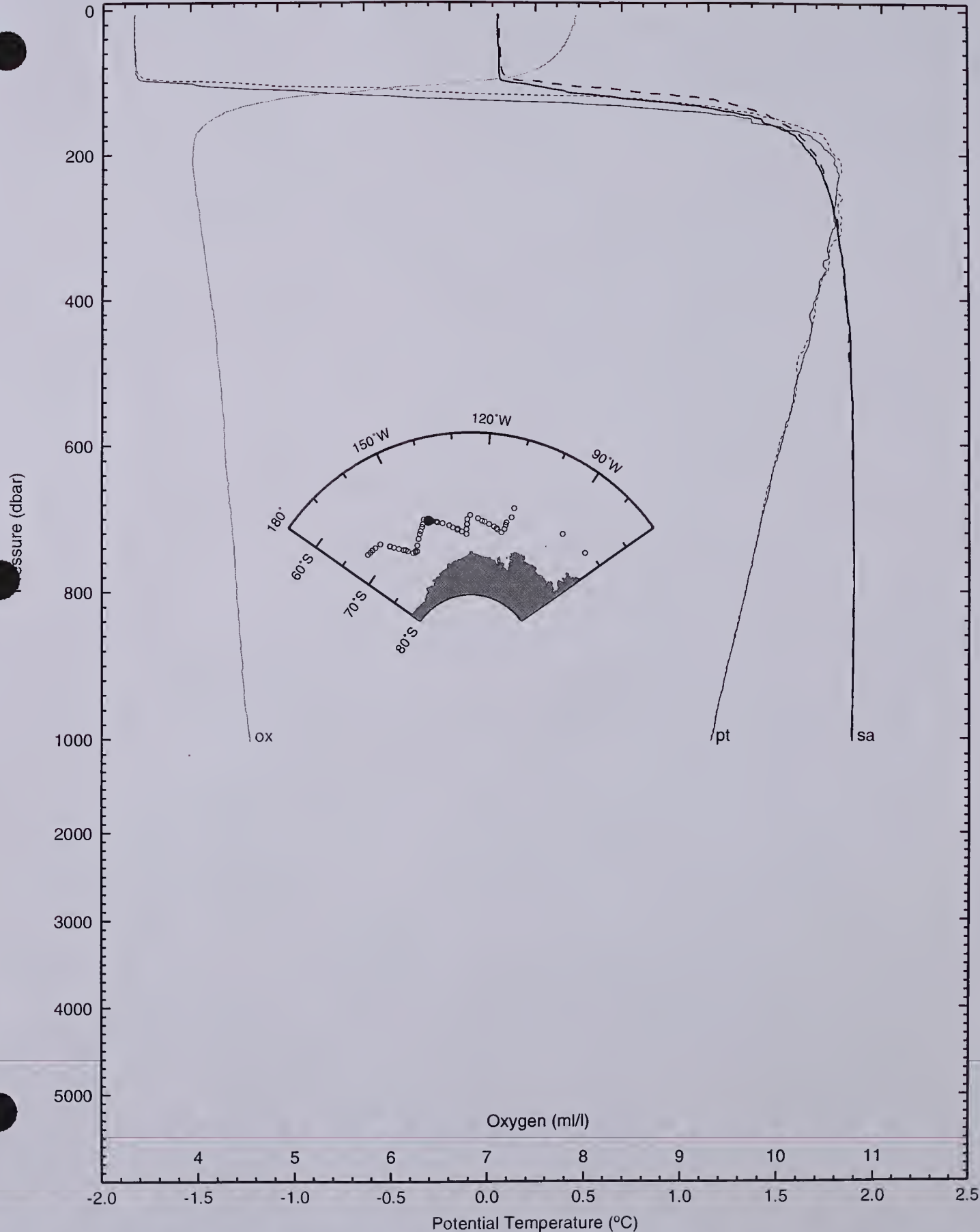
SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM					
NP9405	50U	94/10/02	00:38	-67.385	-142.320			983	42	13	0.4					
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	pss	m1/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
6	-1.837	-1.837	0.027	0.023	33.913	7.92	344	27.299	29.699	32.073	36.740	76.5	0.005	1439.1	5	
10	-1.838	-1.838	0.029	0.022	33.913	7.92	344	27.299	29.699	32.073	36.740	76.4	0.008	1439.2	9	
20	-1.838	-1.839	0.046	0.022	33.913	7.90	344	27.298	29.699	32.073	36.740	76.4	0.015	1439.4	19	
30	-1.837	-1.838	0.037	0.023	33.915	7.87	342	27.300	29.700	32.074	36.741	76.2	0.023	1439.5	29	
40	-1.837	-1.837	0.054	0.024	33.916	7.83	341	27.300	29.701	32.075	36.742	76.0	0.031	1439.7	39	
50	-1.835	-1.836	0.063	0.025	33.918	7.79	339	27.302	29.702	32.076	36.743	75.8	0.038	1439.9	49	
60	-1.833	-1.834	0.072	0.027	33.918	7.74	336	27.302	29.703	32.077	36.743	75.7	0.046	1440.0	59	
70	-1.830	-1.832	0.083	0.030	33.919	7.66	333	27.303	29.703	32.077	36.744	75.6	0.053	1440.2	69	
80	-1.828	-1.829	0.093	0.032	33.920	7.55	328	27.304	29.704	32.078	36.744	75.4	0.061	1440.4	79	
90	-1.810	-1.812	0.119	0.051	33.926	7.36	320	27.308	29.708	32.082	36.748	75.0	0.068	1440.6	89	
100	-1.425	-1.427	0.516	0.440	34.007	6.81	296	27.363	29.757	32.124	36.777	69.8	0.076	1442.8	98	
125	0.853	0.847	2.836	2.742	34.416	4.78	208	27.586	29.943	32.274	36.857	49.5	0.090	1454.3	123	
150	1.496	1.489	3.506	3.393	34.551	4.15	180	27.650	29.998	32.319	36.883	43.7	0.102	1457.7	148	
175	1.756	1.748	3.788	3.656	34.611	3.96	172	27.680	30.024	32.341	36.897	41.1	0.112	1459.4	173	
200	1.811	1.801	3.864	3.713	34.646	3.94	171	27.703	30.046	32.363	36.917	39.1	0.122	1460.1	197	
225	1.847	1.835	3.919	3.750	34.665	3.94	171	27.716	30.059	32.375	36.928	38.0	0.132	1460.7	222	
250	1.833	1.819	3.925	3.737	34.676	3.96	172	27.726	30.069	32.385	36.939	37.1	0.141	1461.0	247	
275	1.836	1.821	3.947	3.740	34.688	3.99	174	27.736	30.078	32.394	36.948	36.4	0.151	1461.5	271	
300	1.849	1.832	3.979	3.753	34.698	4.02	175	27.742	30.085	32.401	36.954	35.8	0.160	1461.9	296	
325	1.799	1.782	3.949	3.704	34.700	4.05	176	27.748	30.091	32.408	36.962	35.4	0.168	1462.1	321	
350	1.791	1.772	3.960	3.697	34.707	4.07	177	27.755	30.098	32.414	36.969	34.9	0.177	1462.5	346	
375	1.751	1.731	3.939	3.657	34.710	4.10	178	27.760	30.104	32.421	36.977	34.4	0.186	1462.7	370	
400	1.727	1.706	3													

Latitude 67 22 S  
Longitude 142 19 W

Salinity

NP9405 050

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



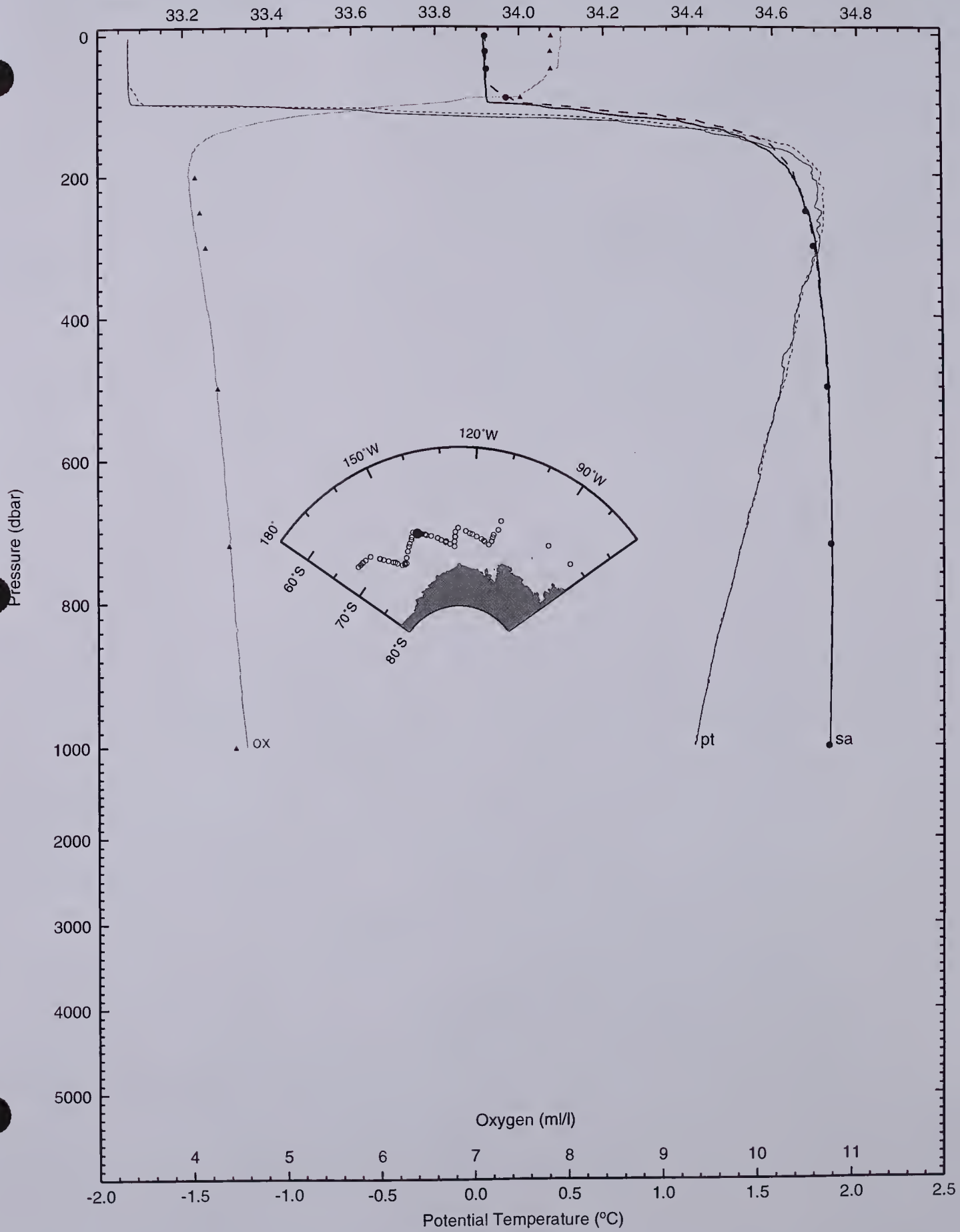
SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	51D	94/10/02	00:40	-67.385	-142.320			983	42	13	0.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.837	-1.837	0.028	0.023	33.915	7.94	345	27.299	29.700	32.074	36.741	76.4	0.005	1439.1	5
10	-1.839	-1.840	0.028	0.021	33.915	7.95	345	27.300	29.700	32.074	36.741	76.3	0.008	1439.2	9
20	-1.839	-1.839	0.036	0.021	33.916	7.95	346	27.301	29.701	32.075	36.742	76.1	0.015	1439.4	19
30	-1.839	-1.839	0.044	0.021	33.916	7.93	345	27.301	29.702	32.075	36.742	76.1	0.023	1439.5	29
40	-1.838	-1.839	0.053	0.022	33.918	7.92	345	27.302	29.703	32.076	36.743	75.9	0.030	1439.7	39
50	-1.837	-1.838	0.061	0.023	33.919	7.87	342	27.303	29.704	32.078	36.744	75.7	0.038	1439.9	49
60	-1.837	-1.838	0.069	0.023	33.919	7.79	339	27.303	29.704	32.077	36.744	75.7	0.046	1440.0	59
70	-1.836	-1.837	0.077	0.024	33.920	7.72	335	27.304	29.704	32.078	36.745	75.5	0.053	1440.2	69
80	-1.833	-1.835	0.088	0.028	33.922	7.60	330	27.305	29.706	32.079	36.746	75.3	0.061	1440.4	79
90	-1.833	-1.835	0.088	0.028	33.922	7.60	330	27.305	29.706	32.079	36.746	75.3	0.061	1440.4	79
100	-1.829	-1.831	0.099	0.032	33.922	7.29	317	27.306	29.706	32.080	36.746	75.2	0.068	1440.5	89
125	-1.364	-1.366	0.576	0.501	33.993	6.49	282	27.349	29.742	32.108	36.760	71.1	0.076	1443.0	98
150	0.785	0.780	2.766	2.672	34.380	4.69	204	27.561	29.919	32.252	36.837	51.8	0.091	1453.9	123
175	1.441	1.434	3.450	3.337	34.536	4.12	179	27.643	29.991	32.313	36.879	44.4	0.103	1457.5	148
200	1.727	1.718	3.759	3.627	34.604	3.99	174	27.677	30.021	32.338	36.896	41.4	0.113	1459.2	173
225	1.816	1.806	3.869	3.718	34.642	3.96	172	27.700	30.043	32.359	36.914	39.4	0.123	1460.1	197
250	1.846	1.834	3.919	3.749	34.663	3.98	173	27.714	30.057	32.373	36.926	38.1	0.133	1460.6	222
275	1.857	1.843	3.949	3.760	34.678	4.00	174	27.726	30.068	32.384	36.937	37.1	0.143	1461.1	247
300	1.849	1.834	3.960	3.754	34.691	4.02	175	27.737	30.079	32.395	36.948	36.3	0.152	1461.5	271
325	1.856	1.840	3.987	3.761	34.699	4.06	176	27.743	30.085	32.401	36.954	35.8	0.161	1462.0	296
350	1.822	1.804	3.972	3.727	34.703	4.09	178	27.749	30.092	32.408	36.962	35.3	0.170	1462.2	321
375	1.822	1.804	3.972	3.727	34.703	4.09	178	27.755	30.098	32.414	36.969	34.9	0.178	1462.5	346
400	1.793	1.775	3.962	3.699	34.707	4.12	179	27.755	30.104	32.421	36.976	34.5	0.187	1462.8	370
425	1.754	1.734	3.942	3.660	34.710	4.14	180	27.760	30.104	32.421	36.976	34.0	0.196	1463.1	395
450	1.728	1.707	3.935	3.634	34.714	4.18	182	27.765	30.109	32.427	36.983	34.0	0.204	1463.4	420
475	1.722	1.699	3.948	3.628	34.719	4.20	183	27.770	30.114	32.431	36.988	33.7	0.212	1463.7	444
500	1.688	1.664	3.933	3.594	34.721	4.23	184	27.774	30.118	32.437	36.994	33.4	0.221	1464.1	469
525	1.674	1.649	3.938	3.580	34.724	4.24	184	27.778	30.123	32.441	36.999	33.1	0.229	1464.4	494
550	1.658	1.631	3.941	3.565	34.726	4.26	185	27.781	30.126	32.444	37.003	32.9	0.239	1464.6	519
575	1.615	1.585	3.935	3.522	34.728	4.29	187	27.786	30.131	32.450	37.010	32.6	0.245	1465.0	543
600	1.615	1.585	3.935	3.522	34.728	4.29	187	27.791	30.137	32.457	37.018	32.3	0.262	1465.6	567
625	1.559	1.527	3.917	3.466	34.729	4.33	188	27.796	30.143	32.463	37.025	31.9	0.278	1466.3	591
650	1.525	1.490	3.921	3.432	34.732	4.35	189	27.800	30.148	32.469	37.033	31.6	0.294	1466.9	615
675	1.477	1.439	3.911	3.384	34.733	4.39	191	27.804	30.152	32.474	37.039	31.4	0.309	1467.5	639
700	1.429	1.389	3.901	3.336	34.733	4.41	192	27.804	30.152	32.474	37.039	31.4	0.309	1467.5	639
725	1.381	1.338	3.891	3.288	34.732	4.44	193	27.807	30.156	32.478	37.045	31.1	0.325	1468.1	663
750	1.330	1.284	3.877	3.237	34.731	4.46	194	27.810	30.160	32.483	37.051	30.9	0.340	1468.7	687
775	1.295	1.246	3.879	3.202	34.730	4.49	195	27.812	30.162	32.486	37.055	30.8	0.356	1469.4	711
800	1.257	1.206	3.879	3.164	34.729	4.53	197	27.814	30.165	32.489	37.060	30.7	0.371	1470.1	735
825	1.224	1.170	3.884	3.131	34.728	4.57	199	27.816	30.167	32.492	37.063	30.6	0.387	1470.7	759
850	1.224	1.169	3.884	3.131	34.728	4.57	199	27.816	30.167	32.492	37.064	30.6	0.387	1470.7	759

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	51U	94/10/02	01:42	-67.392	-142.317			983	42	13	0.4				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
3	-1.836	33.920	33.918	7.84	347	42.3	1.88	26.1	2168	444				19	3
25	-1.837	33.920	33.919	7.83	344	42.1	1.87	26.2	2168	445				17	25
50	-1.836	33.921	33.922	7.83	341	42.0	1.81	26.2	2170	447				16	50
91	-1.788	33.968	33.969	7.51	308	42.9	1.86	26.8	2175	462				13	90
202	1.863	34.647		4.03	172	82.5	2.37	33.5	2255	635				11	199
252	1.879	34.678	34.675	4.08	174	84.5	2.08	33.0	2254	621				10	249
301	1.842	34.695	34.692	4.14	177	86.5	2.13	32.6	2253	608				7	298
500	1.669	34.725	34.723	4.27	185	93.3	2.07	31.8	2252	580				6	494
720	1.459	34.732	34.730	4.38	192	101.0	2.13	31.5	2254	573				3	711
1001	1.222	34.728	34.726	4.45	199	110.2	2.07	31.9	2256	574				1	988

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.836	-1.836	0.027	0.024	33.920	7.98	347	27.303	29.704	32.078	36.744	76.0	0.003	1439.1	3
10	-1.838	-1.838	0.030	0.022	33.920	7.95	345	27.304	29.704	32.078	36.745	75.9	0.008	1439.2	9
20	-1.837	-1.838	0.038	0.023	33.920	7.95	346	27.304	29.704	32.078	36.745	75.8	0.015	1439.4	19
30	-1.837	-1.837	0.046	0.023	33.920	7.93	345	27.304	29.705	32.078	36.745	75.8	0.023	1439.5	29
40	-1.837	-1.837	0.054	0.024	33.920	7.92	345	27.304	29.705	32.078	36.745	75.7	0.030	1439.7	39
50	-1.835	-1.836	0.063	0.025	33.920	7.87	342	27.304	29.705	32.078	36.745	75.6	0.038	1439.9	49
60	-1.833	-1.834	0.072	0.028	33.921	7.79	339	27.305	29.705	32.079	36.746	75.5	0.045	1440.0	59
70	-1.828	-1.829	0.085	0.033	33.926	7.72	335	27.308	29.709	32.082	36.749	75.1	0.053	1440.2	69
80	-1.804	-1.805	0.118	0.058	33.944	7.60	330	27.322	29.723	32.096	36.761	73.7	0.060	1440.5	79
90	-1.784	-1.786	0.147	0.079	33.971	7.29	317	27.344	29.743	32.116	36.781	71.6	0.068	1440.8	89
100	-1.544	-1.546	0.399	0.323	34.043	6.49	282	27.395	29.791	32.160	36.817	66.7	0.075	1442.2	98
125	0.912	0.907	2.895	2.801	34.423	4.69	204	27.588	29.944	32.274	36.855	49.3	0.089	1454.5	123
150	1.564	1.557	3.575	3.462	34.568	4.12	179	27.659	30.006	32.326	36.888	42.9	0.100	1458.1	148
175	1.774	1.764	3.806	3.673	34.619	3.99	174	27.685	30.028	32.345	36.901	40.7	0.111	1459.5	173
200	1.861	1.850	3.913	3.763	34.648	3.96	172	27.701	30.043	32.359	36.912	39.3	0.121	1460.3	197
225	1.875	1.863	3.948	3.778	34.664	3.98	173	27.714	30.056	32.371	36.924	38.2	0.130	1460.8	222
250	1.879	1.865	3.971	3.782	34.678	4.00	174	27.724	30.066	32.382	36.934	37.3	0.140	1461.2	247
275	1.874	1.859	3.985	3.778	34.688	4.02	175	27.733	30.075	32.390	36.943	36.7	0.149	1461.6	

Latitude 67 23 S  
Longitude 142 19 W

NP9405 051



SHCRUS NP9405	STNM 52D	YR/MO/DA 94/10/02	GTIME 09:39	LATITUDE -67.000	LONGITUDE -143.917	DPHT 4421	HT	BARO 979	WND 35	WNS 16	AIRTH -0.5	PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPHT m
5	-1.844	-1.844	0.021	0.017	33.937	7.76	337	27.318	29.719	32.092	36.759	74.6	0.004	1439.1	4												
10	-1.844	-1.844	0.025	0.017	33.937	7.75	337	27.318	29.719	32.092	36.759	74.6	0.007	1439.2	9												
20	-1.845	-1.845	0.031	0.016	33.937	7.73	336	27.318	29.719	32.092	36.759	74.5	0.015	1439.4	19												
30	-1.845	-1.846	0.039	0.016	33.937	7.72	336	27.318	29.719	32.092	36.759	74.5	0.022	1439.5	29												
40	-1.845	-1.846	0.047	0.016	33.937	7.74	336	27.318	29.719	32.092	36.759	74.4	0.030	1439.7	39												
50	-1.845	-1.846	0.054	0.016	33.937	7.71	335	27.318	29.719	32.092	36.759	74.3	0.037	1439.8	49												
60	-1.845	-1.846	0.062	0.016	33.937	7.66	333	27.318	29.719	32.092	36.759	74.2	0.045	1440.0	59												
70	-1.845	-1.846	0.069	0.016	33.937	7.65	333	27.318	29.719	32.092	36.759	74.2	0.052	1440.2	69												
80	-1.845	-1.846	0.077	0.016	33.937	7.63	332	27.318	29.719	32.092	36.759	74.1	0.059	1440.3	79												
90	-1.844	-1.846	0.085	0.017	33.937	7.59	330	27.318	29.719	32.092	36.759	74.0	0.067	1440.5	89												
100	-1.837	-1.839	0.100	0.025	33.942	7.33	319	27.322	29.722	32.096	36.763	73.6	0.074	1440.7	98												
125	-1.542	-1.544	0.418	0.324	34.009	6.52	283	27.369	29.764	32.133	36.790	69.1	0.092	1442.6	123												
150	-0.046	-0.052	1.947	1.834	34.262	5.40	235	27.513	29.885	32.230	36.840	56.0	0.108	1450.4	148												
175	1.084	1.076	3.109	2.977	34.494	4.63	201	27.634	29.987	32.315	36.891	45.2	0.120	1456.2	173												
200	1.669	1.659	3.720	3.570	34.620	4.36	189	27.694	30.039	32.357	36.916	39.9	0.131	1459.4	197												
225	1.686	1.674	3.758	3.589	34.656	4.19	182	27.722	30.066	32.384	36.942	37.4	0.140	1459.9	222												
250	1.693	1.680	3.785	3.597	34.675	4.18	182	27.736	30.080	32.398	36.956	36.1	0.150	1460.4	247												
275	1.726	1.712	3.838	3.631	34.694	4.19	182	27.749	30.093	32.410	36.967	35.0	0.158	1461.0	271												
300	1.718	1.702	3.849	3.623	34.704	4.21	183	27.758	30.102	32.420	36.976	34.3	0.167	1461.4	296												
325	1.705	1.688	3.856	3.611	34.711	4.21	183	27.765	30.109	32.427	36.984	33.7	0.176	1461.7	321												
350	1.722	1.703	3.891	3.627	34.718	4.23	184	27.769	30.113	32.431	36.987	33.4	0.184	1462.2	346												
375	1.695	1.675	3.884	3.601	34.722	4.24	184	27.774	30.119	32.436	36.994	33.1	0.192	1462.5	370												
400	1.669	1.648	3.876	3.575	34.724	4.26	185	27.778	30.122	32.441	36.999	32.8	0.201	1462.8	395												
425	1.652	1.629	3.878	3.559	34.726	4.27	185	27.781	30.126	32.444	37.003	32.6	0.209	1463.1	420												
450	1.631	1.607	3.876	3.538	34.728	4.29	186	27.784	30.129	32.448	37.007	32.4	0.217	1463.5	444												
475	1.597	1.572	3.862	3.504	34.730	4.30	187	27.788	30.134	32.453	37.013	32.1	0.225	1463.7	469												
500	1.565	1.539	3.848	3.472	34.730	4.31	187	27.791	30.137	32.457	37.018	31.9	0.233	1464.0	494												
550	1.500	1.471	3.821	3.407	34.730	4.31	187	27.796	30.143	32.464	37.027	31.5	0.249	1464.5	543												
600	1.446	1.414	3.804	3.353	34.730	4.34	189	27.800	30.148	32.469	37.034	31.2	0.264	1465.1	592												
650	1.402	1.367	3.798	3.309	34.730	4.36	189	27.803	30.152	32.474	37.040	31.0	0.280	1465.7	642												
700	1.354	1.317	3.788	3.261	34.730	4.38	190	27.807	30.156	32.479	37.046	30.8	0.295	1466.4	691												
750	1.318	1.278	3.789	3.225	34.730	4.39	191	27.809	30.159	32.483	37.051	30.6	0.311	1467.0	740												
800	1.271	1.228	3.780	3.178	34.729	4.40	191	27.812	30.163	32.487	37.056	30.4	0.326	1467.6	790												
850	1.241	1.196	3.788	3.148	34.728	4.40	191	27.814	30.165	32.489	37.060	30.4	0.341	1468.3	839												
900	1.210	1.163	3.795	3.117	34.728	4.40	191	27.816	30.167	32.492	37.064	30.3	0.356	1469.0	888												
950	1.173	1.122	3.795	3.080	34.726	4.42	192	27.817	30.169	32.495	37.068	30.2	0.371	1469.7	938												
1000	1.136	1.082	3.795	3.043	34.725	4.42	192	27.819	30.172	32.498	37.072	30.0	0.387	1470.3	987												
1100	1.071	1.012	3.805	2.977	34.723	4.45	193	27.822	30.176	32.503	37.079	29.9	0.416	1471.7	1085												
1200	1.002	0.937	3.812	2.908	34.721	4.50	196	27.825	30.180	32.508	37.086	29.6	0.446	1473.0	1184												
1300	0.948	0.877	3.833	2.854	34.718	4.52	196	27.827	30.183	32.512	37.092	29.5	0.476	1474.5	1282												
1400	0.894	0.817	3.854	2.800	34.716	4.54	197	27.829	30.186	32.516	37.097	29.3	0.505	1475.9	1381												
1500	0.841	0.758	3.877	2.747	34.714	4.55	198	27.831	30.189	32.520	37.103	29.1	0.534	1477.3	1479												
1600	0.799	0.710	3.909	2.705	34.712	4.59	200	27.833	30.191	32.523	37.107	29.0	0.563	1478.8	1577												
1700	0.754	0.658	3.940	2.660	34.711	4.59	200	27.835	30.194	32.526	37.112	28.8	0.592	1480.3	1675												
1800	0.713	0.611	3.974	2.619	34.709	4.63	201	27.837	30.196	32.529	37.117	28.6	0.621	1481.8	1774												
1900	0.676	0.567	4.013	2.582	34.708	4.65	202	27.838	30.199	32.532	37.121	28.4	0.649	1483.3	1872												
2000	0.642	0.527	4.054	2.547	34.707	4.67	203	27.840	30.201	32.535	37.125	28.3	0.678	1484.8	1970												
2100	0.605	0.482	4.092	2.510	34.706	4.70	204	27.842	30.204	32.539	37.130	28.0	0.706	1486.3	2068												
2200	0.563	0.433	4.125	2.468	34.706	4.72	205	27.844	30.207	32.542	37.135	27.7	0.734	1487.8	2166												
2300	0.522	0.385	4.159	2.427	34.705	4.73	206	27.847	30.210	32.546	37.140	27.4	0.761	1489.3	2264												
2400	0.487	0.343	4.200	2.392	34.705	4.75	206	27.849	30.213	32.550	37.145	27.1	0.789	1490.9	2362												
2500	0.450	0.299	4.238	2.355	34.705	4.77	207	27.851	30.216	32.553	37.150	26.7	0.815	1492.4	2460												
2600	0.414	0.256	4.278	2.319	34.705	4.79	208	27.854	30.219	32.557	37.155	26.3	0.842	1493.9	2558												
2700	0.387	0.220	4.325	2.292	34.705	4.82	209	27.856	30.221	32.560	37.159	26.0	0.868	1495.5	2655												
2800	0.363	0.189	4.377	2.268	34.705	4.84	210	27.858	30.224	32.563	37.162	25.8	0.894	1497.1	2753												
2900	0.336	0.153	4.425	2.241	34.705	4.86	211	27.860	30.226	32.566	37.166	25.5	0.920	1498.7	2851												
3000	0.316	0.125	4.480	2.221	34.705	4.88	212	27.861	30.228	32.568	37.169	25.3	0.945	1500.3	2949												
3200	0.268	0.061	4.583	2.173	34.704	4.93	214	27.864	30.232	32.573	37.176	24.8	0.995	1503.5	3144												
3400	0.220	-0.005	4.685	2.125	34.704	5.00	217	27.867	30.236	32.578	37.183	24.2	1.044	1506.7	3339												
3600	0.158	-0.084	4.774	2.063	34.702	5.10	222	27.870	30.240	32.584	37.191	23.5	1.092	1509.9	3534												
3800	0.149	-0.112	4.915	2.054	34.702	5.15	224	27.872	30.242	32.586	37.194	23.3	1.138	1513.3	3728												
3874	0.150	-0.118	4.972	2.055	34.702	5.18	225	27.872	30.242	32.586	37.194	23.3	1.156	1514.6	3800												

SHCRUS NP9405	STNM 52U	YR/MO/OA 94/10/02	GTIME 13:04	LATITUDE -67.042	LONGITUDE -143.934	OPHT 4421	HT	BARO 979	WND 35	WNS 16	AIRTH -0.5	PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	P04 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pM/kg	F12 pM/kg	F113 pM/kg	BN	OPHT m
4	-1.846	33.940	33.945	7.81	337	42.4	1.81	26.0	2170	444	7.00	3.37	0.66	23	4												
14	-1.847	33.940	33.940	7.88	336	41.4	1.81	26.1	2170	443				24	4												
51	-1.845	33.940	33.942		334	41.0	1.80	26.1	2170	444	7.04	3.54	0.67	22	51												
93	-1.843	33.939	33.942	7.87	326				2168	445				21	92												
154	0.490	34.359	34.360	5.40	226				2226	586	3.04	1.52	0.28	20	153												
205	1.428	34.592	34.600	4.29	187				2251	631	1.13	0.48	0.09	19	203												
306	1.673	34.694	34.689	4.16	183	89.5	2.27	32.2	2255	607	0.49	0.18	0.03	17	303												
404	1.580	34.716	34.718	4.23	185	93.0	2.27	32.2	2255	602	0.36	0.13	0.02	16	400												
508	1.529	34.728	34.724	4.30	187	94.7	2.21	31.8	2255	582				15	502												
607	1.440	34.731	34.728	4.33	188	98.1	2.20	31.7	2256	580	0.19	0.05	0.01	14	600												
809	1.272																										

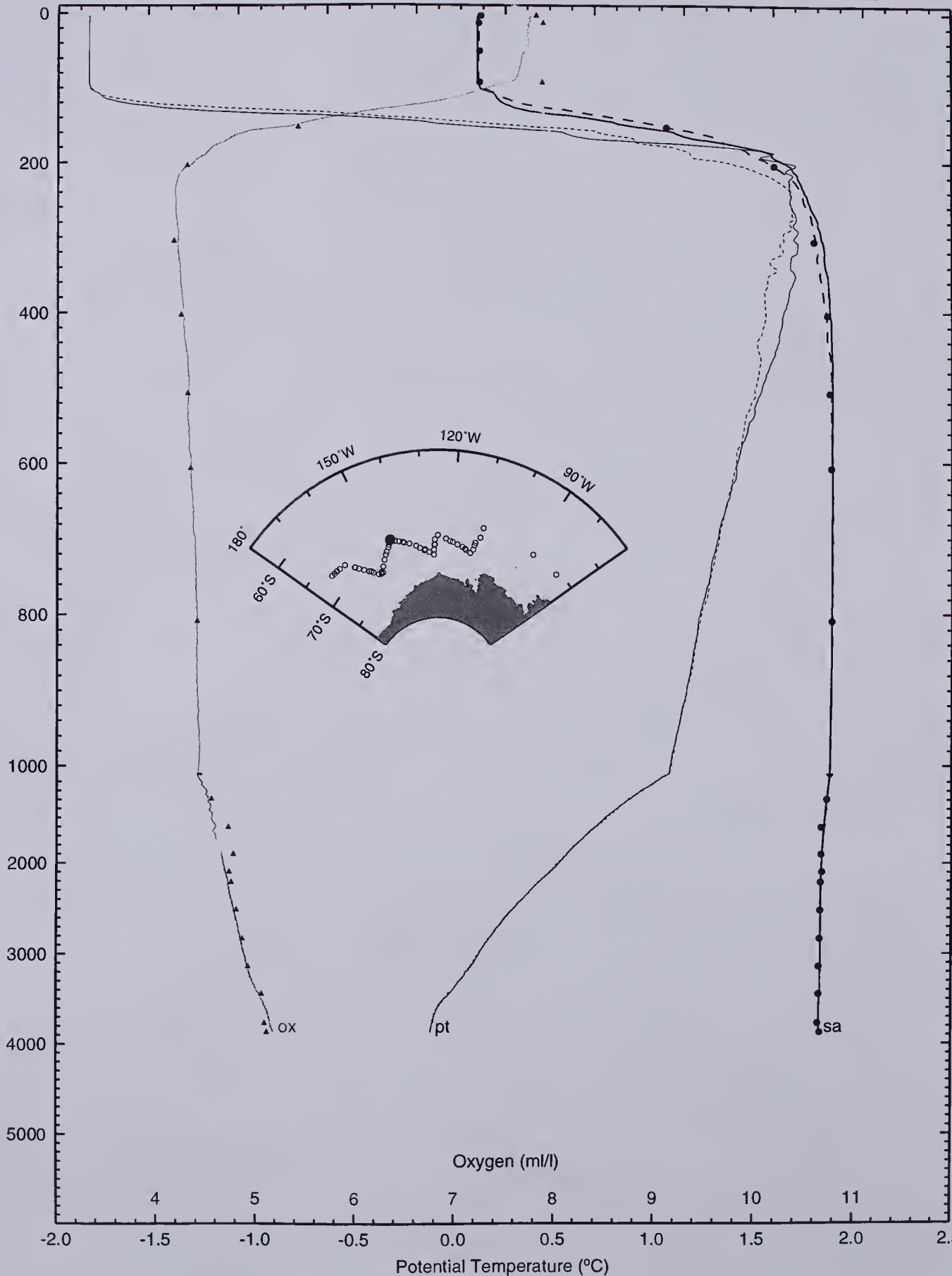
Latitude 67 00 S  
Longitude 143 55 W

Salinity

NP9405 052

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





SHCRUS NP9405	STNM 53D	YR/MO/DA 94/10/02	GTIME 21:42	LATITUDE -67.628	LONGITUDE -145.064	DPTH	HT	BARO 968	WND 25	WNS 20	AIRTM 0.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.830	-1.830	0.036	0.032	33.940	8.26	359	27.320	29.720	32.094	36.760	74.4	0.004	1439.2	4
10	-1.847	-1.847	0.023	0.015	33.944	8.26	359	27.324	29.724	32.098	36.765	74.0	0.007	1439.2	9
20	-1.845	-1.846	0.032	0.017	33.945	8.25	359	27.324	29.725	32.099	36.766	73.9	0.015	1439.4	19
30	-1.845	-1.845	0.040	0.017	33.946	8.23	358	27.325	29.726	32.099	36.766	73.8	0.022	1439.5	29
40	-1.844	-1.845	0.048	0.018	33.946	8.21	357	27.325	29.726	32.100	36.766	73.7	0.030	1439.7	39
50	-1.844	-1.845	0.055	0.018	33.947	8.18	355	27.326	29.726	32.100	36.767	73.6	0.037	1439.9	49
60	-1.842	-1.843	0.065	0.020	33.949	8.14	354	27.328	29.728	32.102	36.769	73.3	0.044	1440.0	59
70	-1.841	-1.843	0.074	0.021	33.950	8.09	352	27.328	29.729	32.103	36.769	73.2	0.052	1440.2	69
80	-1.839	-1.840	0.084	0.024	33.952	8.02	349	27.330	29.731	32.104	36.771	73.0	0.059	1440.4	79
90	-1.834	-1.836	0.096	0.028	33.954	7.89	343	27.332	29.732	32.106	36.772	72.7	0.066	1440.6	89
100	-1.825	-1.827	0.113	0.038	33.957	7.56	329	27.333	29.734	32.107	36.773	72.5	0.073	1440.8	98
125	-0.715	-0.719	1.254	1.160	34.175	5.41	235	27.474	29.856	32.211	36.842	59.5	0.091	1446.7	123
150	0.925	0.918	2.931	2.819	34.502	4.34	188	27.650	30.006	32.336	36.916	43.5	0.103	1455.1	148
175	1.602	1.594	3.636	3.503	34.637	4.12	179	27.712	30.058	32.377	36.938	38.0	0.113	1458.7	173
200	1.706	1.696	3.760	3.609	34.670	4.12	179	27.731	30.075	32.393	36.950	36.4	0.122	1459.6	197
225	1.629	1.617	3.702	3.533	34.679	4.14	180	27.744	30.090	32.408	36.968	35.2	0.131	1459.7	222
250	1.616	1.603	3.709	3.521	34.690	4.17	181	27.754	30.099	32.418	36.978	34.4	0.140	1460.1	247
275	1.638	1.624	3.750	3.543	34.703	4.20	183	27.763	30.108	32.427	36.986	33.6	0.149	1460.6	271
300	1.627	1.611	3.759	3.533	34.710	4.22	183	27.770	30.115	32.434	36.993	33.1	0.157	1461.0	296
325	1.583	1.566	3.734	3.489	34.713	4.25	185	27.775	30.121	32.440	37.001	32.7	0.165	1461.2	321
350	1.582	1.564	3.752	3.488	34.719	4.27	186	27.780	30.126	32.445	37.006	32.3	0.173	1461.6	346
375	1.559	1.539	3.747	3.465	34.722	4.28	186	27.784	30.130	32.450	37.011	32.0	0.181	1461.9	370
400	1.521	1.500	3.728	3.427	34.723	4.28	186	27.788	30.135	32.455	37.017	31.7	0.189	1462.2	395
425	1.498	1.476	3.724	3.405	34.725	4.29	186	27.791	30.138	32.459	37.022	31.4	0.197	1462.5	420
450	1.468	1.445	3.713	3.375	34.725	4.29	187	27.794	30.141	32.463	37.026	31.3	0.205	1462.7	444
475	1.444	1.420	3.709	3.351	34.727	4.30	187	27.797	30.145	32.467	37.031	31.0	0.213	1463.1	469
500	1.416	1.390	3.699	3.323	34.728	4.30	187	27.800	30.148	32.470	37.035	30.8	0.220	1463.3	494
550	1.364	1.335	3.685	3.271	34.729	4.29	186	27.804	30.153	32.476	37.043	30.5	0.236	1463.9	543
600	1.315	1.284	3.673	3.222	34.729	4.30	187	27.808	30.158	32.481	37.050	30.2	0.251	1464.5	592
650	1.284	1.250	3.680	3.191	34.729	4.30	187	27.810	30.161	32.484	37.054	30.1	0.266	1465.2	642
700	1.244	1.207	3.677	3.151	34.728	4.32	188	27.813	30.164	32.488	37.059	30.0	0.281	1465.9	691
750	1.206	1.167	3.678	3.113	34.727	4.35	189	27.815	30.167	32.492	37.063	29.9	0.296	1466.5	740
800	1.172	1.130	3.681	3.079	34.726	4.38	190	27.817	30.169	32.494	37.067	29.8	0.311	1467.2	790
850	1.141	1.097	3.688	3.048	34.725	4.41	192	27.818	30.171	32.497	37.070	29.7	0.326	1467.9	839
900	1.109	1.062	3.693	3.015	34.724	4.45	193	27.820	30.173	32.499	37.074	29.6	0.341	1468.6	888
950	1.075	1.026	3.697	2.981	34.723	4.48	195	27.821	30.175	32.502	37.077	29.5	0.355	1469.2	938
1000	1.034	0.982	3.694	2.940	34.722	4.51	196	27.823	30.177	32.505	37.082	29.4	0.370	1469.9	987
1001	1.034	0.981	3.694	2.939	34.722	4.51	196	27.823	30.177	32.505	37.082	29.4	0.370	1469.9	988

SHCRUS NP9405	STNM 53U	YR/MO/DA 94/10/02	GTIME 22:27	LATITUDE -67.639	LONGITUDE -145.060	DPTH	HT	BARO 968	WND 25	WNS 20	AIRTM 0.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.846	-1.846	0.024	0.016	33.947	8.26	359	27.326	29.727	32.100	36.767	73.8	0.007	1439.2	9
20	-1.846	-1.846	0.031	0.016	33.947	8.25	359	27.326	29.726	32.100	36.767	73.8	0.015	1439.4	19
30	-1.844	-1.845	0.041	0.018	33.948	8.23	358	27.327	29.727	32.101	36.768	73.6	0.022	1439.5	29
40	-1.844	-1.844	0.048	0.018	33.948	8.21	357	27.327	29.727	32.101	36.768	73.6	0.029	1439.7	39
50	-1.842	-1.843	0.058	0.020	33.949	8.18	355	27.328	29.728	32.102	36.769	73.4	0.037	1439.9	49
60	-1.840	-1.841	0.067	0.022	33.951	8.14	354	27.329	29.730	32.103	36.770	73.2	0.044	1440.1	59
70	-1.838	-1.839	0.077	0.024	33.952	8.09	352	27.330	29.731	32.104	36.771	73.0	0.051	1440.2	69
80	-1.835	-1.836	0.088	0.027	33.954	8.02	349	27.332	29.732	32.106	36.772	72.8	0.059	1440.4	79
90	-1.830	-1.832	0.100	0.033	33.957	7.89	343	27.334	29.734	32.108	36.774	72.5	0.066	1440.6	89
100	-1.803	-1.805	0.136	0.060	33.968	7.56	329	27.342	29.742	32.115	36.780	71.7	0.073	1440.9	98
125	-0.011	-0.015	1.968	1.873	34.337	5.41	235	27.571	29.942	32.286	36.894	50.5	0.089	1450.2	123
150	1.177	1.170	3.187	3.074	34.557	4.34	188	27.678	30.030	32.356	36.928	41.0	0.100	1456.3	148
175	1.650	1.641	3.683	3.552	34.645	4.12	179	27.715	30.060	32.379	36.938	37.7	0.110	1458.9	173
200	1.704	1.693	3.758	3.607	34.670	4.12	179	27.731	30.076	32.393	36.951	36.4	0.119	1459.6	197
225	1.683	1.672	3.757	3.587	34.683	4.14	180	27.743	30.088	32.406	36.964	35.3	0.128	1460.0	222
250	1.633	1.620	3.726	3.538	34.692	4.17	181	27.754	30.099	32.418	36.977	34.4	0.137	1460.2	247
275	1.641	1.627	3.754	3.546	34.705	4.20	183	27.764	30.109	32.428	36.987	33.5	0.145	1460.6	271
300	1.633	1.618	3.765	3.539	34.711	4.22	183	27.770	30.115	32.434	36.993	33.1	0.153	1461.0	296
325	1.592	1.575	3.742	3.498	34.715	4.25	185	27.776	30.122	32.441	37.001	32.6	0.162	1461.2	321
350	1.574	1.556	3.744	3.480	34.720	4.27	186	27.781	30.127	32.447	37.008	32.2	0.170	1461.6	346
375	1.546	1.527	3.735	3.452	34.722	4.28	186	27.785	30.131	32.451	37.013	31.9	0.178	1461.9	370
400	1.521	1.501	3.729	3.427	34.724	4.28	186	27.788	30.135	32.456	37.018	31.6	0.186	1462.2	395
425	1.490	1.468	3.717	3.396	34.724	4.29	186	27.791	30.138	32.459	37.022	31.4	0.194	1462.4	420
450	1.467	1.444	3.713	3.374	34.726	4.29	187	27.794	30.142	32.463	37.027	31.2	0.201	1462.7	444
475	1.442	1.417	3.706	3.349	34.727	4.30	187	27.797	30.145	32.466	37.031	31.0	0.209	1463.	

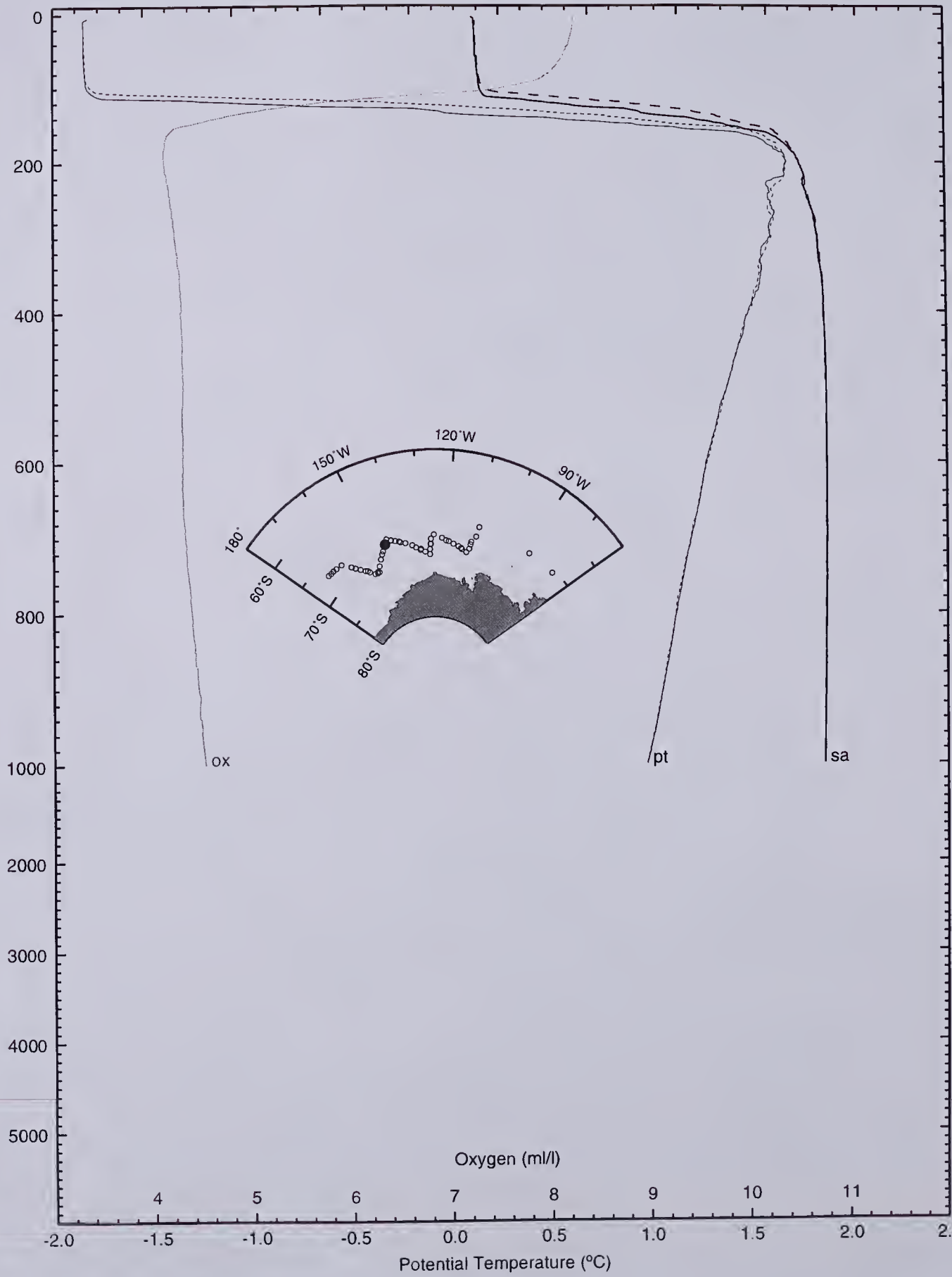
Latitude 67 38 S  
Longitude 145 04 W

NP9405 053

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Salinity

Pressure (dbar)



Potential Temperature (°C)

Oxygen (ml/l)

4 5 6 7 8 9 10 11

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 54D	YR/MO/DA 94/10/02	GTIME 22:29	LATITUDE -67.642	LONGITUDE -145.065	DPTH	HT	BARO 968	WIND 25	WNS 20	AIRTM 0.0					
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
10	-1.847	-1.847	0.023	0.015	33.949	8.09	352	27.327	29.728	32.102	36.768	73.7	0.007	1439.2	9	
20	-1.846	-1.846	0.031	0.016	33.949	8.09	352	27.328	29.728	32.102	36.769	73.6	0.015	1439.4	19	
30	-1.845	-1.845	0.040	0.017	33.950	8.08	351	27.328	29.729	32.103	36.769	73.5	0.022	1439.5	29	
40	-1.844	-1.845	0.048	0.018	33.951	8.05	350	27.329	29.730	32.103	36.770	73.3	0.029	1439.7	39	
50	-1.844	-1.845	0.056	0.018	33.951	8.01	348	27.329	29.730	32.103	36.770	73.3	0.037	1439.9	49	
60	-1.842	-1.843	0.065	0.020	33.952	7.96	346	27.330	29.731	32.104	36.771	73.1	0.044	1440.0	59	
70	-1.840	-1.842	0.075	0.022	33.954	7.90	343	27.331	29.732	32.106	36.772	72.9	0.051	1440.2	69	
80	-1.840	-1.841	0.083	0.022	33.954	7.80	339	27.332	29.732	32.106	36.772	72.8	0.059	1440.4	79	
90	-1.838	-1.839	0.092	0.024	33.956	7.65	332	27.333	29.733	32.107	36.773	72.6	0.066	1440.6	89	
100	-1.834	-1.836	0.104	0.029	33.957	7.27	316	27.334	29.734	32.108	36.774	72.5	0.073	1440.7	98	
125	-0.543	-0.547	1.428	1.334	34.208	5.34	232	27.493	29.872	32.225	36.850	57.7	0.090	1447.6	123	
150	0.931	0.924	2.938	2.825	34.503	4.31	187	27.651	30.007	32.336	36.916	43.4	0.103	1455.1	148	
175	1.588	1.579	3.620	3.489	34.629	4.10	178	27.706	30.052	32.372	36.933	38.5	0.113	1458.6	173	
200	1.692	1.682	3.746	3.595	34.662	4.11	179	27.726	30.070	32.388	36.946	36.9	0.122	1459.6	197	
225	1.702	1.690	3.775	3.606	34.681	4.09	178	27.740	30.085	32.402	36.960	35.6	0.131	1460.0	222	
250	1.639	1.626	3.732	3.543	34.690	4.14	180	27.752	30.097	32.416	36.975	34.6	0.140	1460.2	247	
275	1.620	1.605	3.732	3.525	34.701	4.17	181	27.763	30.108	32.427	36.987	33.6	0.149	1460.5	271	
300	1.635	1.619	3.766	3.540	34.712	4.19	182	27.770	30.115	32.434	36.993	33.1	0.157	1461.0	296	
325	1.597	1.580	3.748	3.503	34.717	4.21	183	27.777	30.123	32.442	37.002	32.5	0.165	1461.3	321	
350	1.572	1.554	3.742	3.478	34.720	4.23	184	27.782	30.128	32.447	37.008	32.1	0.173	1461.6	346	
375	1.558	1.538	3.747	3.464	34.723	4.25	184	27.785	30.131	32.451	37.012	31.9	0.181	1461.9	370	
400	1.535	1.515	3.743	3.442	34.725	4.26	185	27.789	30.135	32.456	37.017	31.6	0.189	1462.2	395	
425	1.499	1.477	3.726	3.406	34.726	4.27	186	27.792	30.139	32.460	37.022	31.4	0.197	1462.5	420	
450	1.475	1.452	3.721	3.382	34.727	4.28	186	27.794	30.142	32.463	37.026	31.2	0.205	1462.8	444	
475	1.454	1.430	3.718	3.361	34.727	4.27	186	27.797	30.144	32.466	37.030	31.1	0.213	1463.1	469	
500	1.425	1.399	3.708	3.332	34.728	4.28	186	27.799	30.148	32.469	37.034	30.9	0.220	1463.4	494	
550	1.371	1.343	3.692	3.278	34.729	4.27	186	27.804	30.153	32.475	37.042	30.5	0.236	1464.0	543	
600	1.328	1.297	3.687	3.235	34.729	4.28	186	27.807	30.157	32.480	37.048	30.3	0.251	1464.6	592	
650	1.276	1.242	3.672	3.183	34.729	4.28	186	27.811	30.161	32.485	37.055	30.1	0.266	1465.2	642	
700	1.243	1.206	3.677	3.150	34.728	4.30	187	27.813	30.164	32.488	37.059	30.0	0.281	1465.9	691	
750	1.202	1.163	3.673	3.109	34.727	4.34	188	27.815	30.167	32.492	37.064	29.8	0.296	1466.5	740	
800	1.163	1.121	3.672	3.070	34.726	4.37	190	27.817	30.169	32.495	37.068	29.7	0.311	1467.1	790	
850	1.127	1.083	3.674	3.034	34.725	4.41	192	27.819	30.172	32.498	37.072	29.6	0.326	1467.8	839	
900	1.097	1.050	3.681	3.003	34.724	4.44	193	27.820	30.174	32.500	37.075	29.5	0.340	1468.5	888	
950	1.065	1.015	3.687	2.971	34.723	4.47	194	27.822	30.176	32.503	37.079	29.4	0.355	1469.2	938	
1000	1.031	0.978	3.690	2.937	34.722	4.50	196	27.823	30.178	32.505	37.082	29.4	0.370	1469.9	987	

SHCRUS NP9405	STNM 54U	YR/MO/DA 94/10/02	GTIME 23:13	LATITUDE -67.653	LONGITUDE -145.059	DPTH	HT	BARO 968	WIND 25	WNS 20	AIRTM 0.0					
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
11	-1.845	-1.845	0.026	0.018	33.950	8.09	352	27.328	29.729	32.102	36.769	73.6	0.008	1439.2	10	
20	-1.844	-1.845	0.033	0.018	33.950	8.09	352	27.328	29.729	32.102	36.769	73.6	0.015	1439.4	19	
30	-1.844	-1.845	0.041	0.018	33.950	8.08	351	27.328	29.729	32.102	36.769	73.5	0.022	1439.5	29	
40	-1.843	-1.843	0.050	0.019	33.950	8.05	350	27.328	29.729	32.103	36.769	73.4	0.029	1439.7	39	
50	-1.841	-1.842	0.058	0.021	33.951	8.01	348	27.329	29.729	32.103	36.770	73.3	0.037	1439.9	49	
60	-1.841	-1.842	0.066	0.021	33.951	7.96	346	27.329	29.730	32.103	36.770	73.2	0.044	1440.0	59	
70	-1.839	-1.840	0.076	0.023	33.952	7.90	343	27.330	29.731	32.104	36.771	73.0	0.051	1440.2	69	
80	-1.835	-1.836	0.088	0.028	33.956	7.80	339	27.333	29.733	32.107	36.773	72.7	0.059	1440.4	79	
90	-1.829	-1.831	0.101	0.034	33.959	7.65	332	27.335	29.736	32.109	36.775	72.4	0.066	1440.6	89	
100	-1.756	-1.758	0.183	0.108	33.978	7.27	316	27.349	29.748	32.120	36.784	71.0	0.073	1441.1	98	
125	-0.109	-0.113	1.869	1.774	34.319	5.34	232	27.562	29.935	32.280	36.891	51.3	0.088	1448.8	123	
150	1.139	1.132	3.149	3.036	34.564	4.31	187	27.686	30.039	32.365	36.939	40.2	0.100	1456.2	148	
175	1.633	1.625	3.667	3.535	34.643	4.10	178	27.715	30.060	32.379	36.939	37.8	0.109	1458.9	173	
200	1.648	1.638	3.702	3.551	34.664	4.09	178	27.730	30.076	32.394	36.953	36.4	0.118	1459.4	197	
225	1.673	1.662	3.747	3.577	34.681	4.11	179	27.742	30.087	32.405	36.963	35.4	0.127	1459.9	222	
250	1.633	1.620	3.725	3.537	34.689	4.14	180	27.752	30.097	32.416	36.975	34.6	0.136	1460.1	247	
275	1.617	1.603	3.729	3.522	34.701	4.17	181	27.762	30.108	32.427	36.986	33.7	0.145	1460.5	271	
300	1.647	1.632	3.779	3.553	34.713	4.19	182	27.770	30.115	32.434	36.993	33.0	0.153	1461.1	296	
325	1.602	1.585	3.752	3.508	34.715	4.21	183	27.775	30.121	32.440	37.000	32.7	0.161	1461.3	321	
350	1.577	1.559	3.747	3.483	34.720	4.23	184	27.781	30.127	32.446	37.007	32.2	0.169	1461.6	346	
375	1.558	1.539	3.747	3.465	34.722	4.25	184	27.785	30.131	32.451	37.012	31.9	0.177	1461.9	370	
400	1.536	1.516	3.744	3.442	34.724	4.26	185	27.788	30.134	32.455	37.016	31.7	0.185	1462.2	395	
425	1.505	1.483	3.732	3.412	34.725	4.27	186	27.791	30.138	32.459	37.021	31.5	0.193	1462.5	420	
450	1.487	1.464	3.733	3.394	34.727	4.28	186	27.794	30.141	32.462	37.025	31.3	0.201	1462.8	444	
475	1.452	1.427	3.716	3.359	34.727	4.27	186	27.796	30.144	32.465	37.030	31.1	0.209	1463.1	469	
500	1.422	1.396	3.705	3.329	34.728	4.28	186	27.799	30.147	32.469	37.034	30.9	0.217	1463.4	494	
550	1.366	1.338	3.687	3.273	34.728	4.27	186	27.804	30.153	32.475	37.042	30.6	0.232	1463.9	543	
600	1.325	1.294	3.683	3.232	34.728	4.28	186	27.807	30.157	32.480	37.048	30.3	0.247	1464.6	592	
650	1.277	1.244	3.674	3.184	34.728	4.28	186	27.810	30.161	32.485	37.054	30.1	0.262	1465.2	642	
700	1.241	1.204	3.674	3.148	34.728	4.30	187	27.813	30.164	32.488	37.059	30.0	0.277	1465.8	691	
750	1.203	1.164	3.675	3.110	34.727	4.34	188	27.815	30.166	32.491	37.063	29.9	0.292	1466.5	740	
800	1.161	1.119	3.670	3.068	34.726	4.37	190	27.817	30.169	32.495	37.068	29.7	0.307	1467.1	790	
850	1.127	1.082	3.673	3.034	34.725	4.41	192	27.819	30.172	32.498	37.072	29.6	0.322	1467.8	839	
900	1.096	1.049	3.680	3.002	34.724	4.44	193	27.820	30.173	32.500	37.075</					

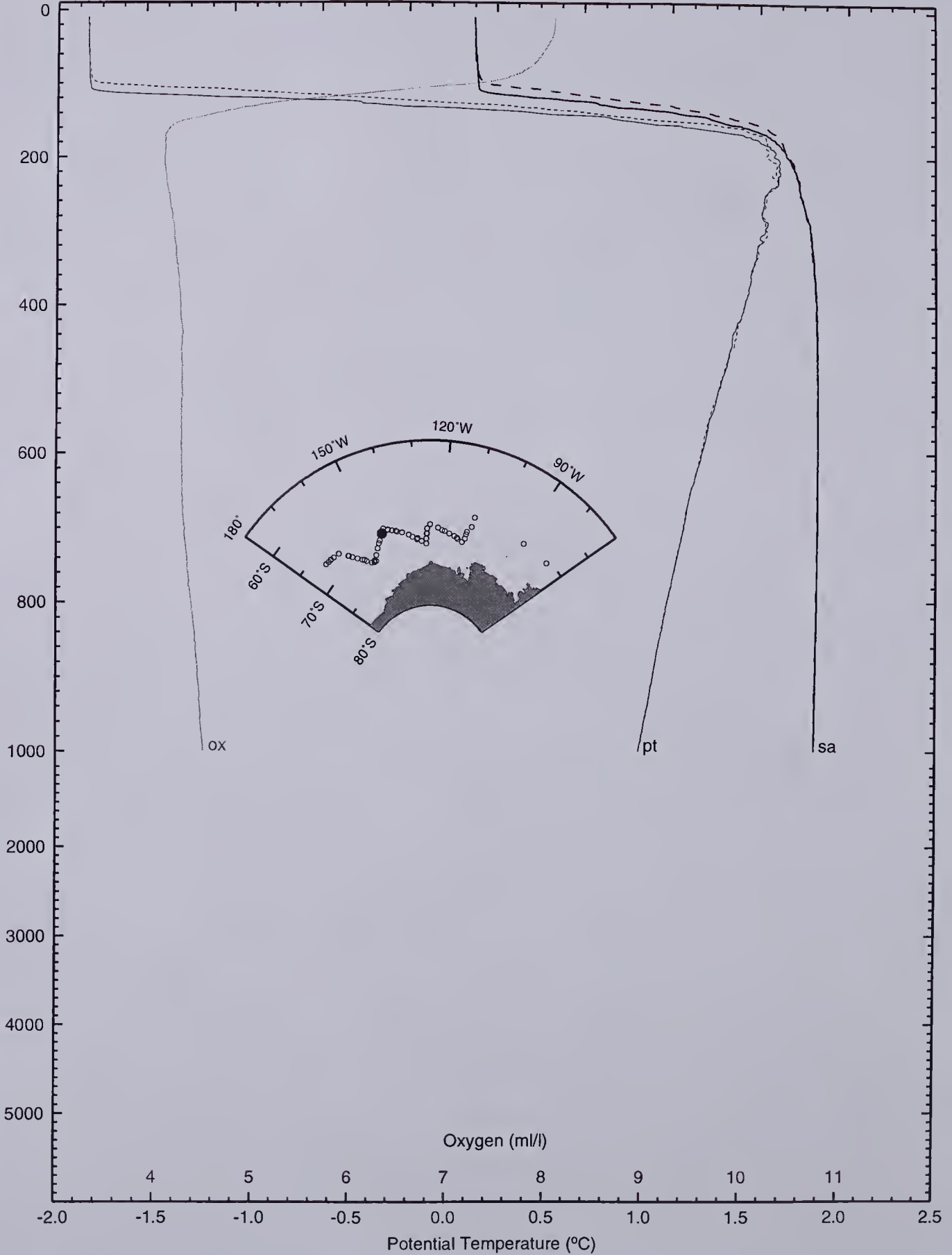
Latitude 67 39 S  
Longitude 145 04 W

Salinity

NP9405 054

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	55D	94/10/02	23:16	-67.655	-145.065			968	25	20	0.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	ps	ml/l	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
11	-1.829	-1.829	0.042	0.033	33.951	7.95	27.329	29.729	32.102	36.769	73.5	0.008	1439.3	10	
20	-1.845	-1.846	0.032	0.017	33.951	7.96	27.329	29.730	32.104	36.771	73.4	0.015	1439.4	19	
30	-1.845	-1.846	0.040	0.017	33.951	7.95	27.329	29.730	32.104	36.771	73.3	0.022	1439.5	29	
40	-1.843	-1.844	0.049	0.019	33.953	7.96	27.330	29.731	32.105	36.771	73.2	0.029	1439.7	39	
50	-1.843	-1.844	0.057	0.019	33.953	7.95	27.330	29.731	32.105	36.771	73.1	0.037	1439.9	49	
60	-1.841	-1.842	0.067	0.021	33.954	7.96	27.332	29.732	32.106	36.773	72.9	0.044	1440.1	59	
70	-1.840	-1.841	0.076	0.022	33.955	7.96	27.333	29.733	32.107	36.773	72.8	0.051	1440.2	69	
80	-1.839	-1.840	0.084	0.023	33.956	7.93	27.333	29.734	32.107	36.774	72.7	0.059	1440.4	79	
90	-1.837	-1.839	0.093	0.026	33.956	7.91	27.333	29.734	32.107	36.774	72.6	0.066	1440.6	89	
100	-1.835	-1.837	0.103	0.028	33.957	7.53	27.334	29.734	32.108	36.774	72.5	0.073	1440.7	98	
125	-0.113	-0.118	1.863	1.769	34.293	5.41	27.541	29.914	32.259	36.871	53.3	0.089	1447.7	123	
150	1.335	1.328	3.346	3.233	34.574	4.45	27.681	30.030	32.354	36.922	40.8	0.101	1457.0	148	
175	1.640	1.632	3.674	3.542	34.645	4.15	27.716	30.061	32.380	36.939	37.7	0.111	1458.9	173	
200	1.670	1.659	3.724	3.573	34.668	4.13	27.732	30.077	32.395	36.954	36.2	0.120	1459.5	197	
225	1.660	1.649	3.734	3.564	34.681	4.17	27.743	30.088	32.406	36.965	35.3	0.129	1459.9	222	
250	1.654	1.641	3.747	3.559	34.692	4.17	27.753	30.098	32.416	36.975	34.5	0.137	1460.2	247	
275	1.613	1.599	3.725	3.518	34.702	4.19	27.764	30.109	32.428	36.988	33.6	0.146	1460.5	271	
300	1.626	1.611	3.758	3.532	34.712	4.22	27.771	30.116	32.435	36.994	33.0	0.154	1461.0	296	
325	1.601	1.584	3.751	3.506	34.717	4.23	27.776	30.122	32.441	37.001	32.5	0.162	1461.3	321	
350	1.571	1.553	3.740	3.477	34.720	4.25	27.781	30.127	32.447	37.008	32.2	0.171	1461.6	346	
375	1.556	1.537	3.745	3.462	34.724	4.27	27.786	30.132	32.452	37.013	31.8	0.179	1461.9	370	
400	1.532	1.511	3.740	3.439	34.726	4.28	27.790	30.136	32.456	37.018	31.5	0.186	1462.2	395	
425	1.497	1.475	3.724	3.404	34.727	4.29	27.793	30.140	32.461	37.024	31.3	0.194	1462.5	420	
450	1.476	1.452	3.721	3.383	34.729	4.30	27.796	30.143	32.464	37.028	31.1	0.202	1462.8	444	
475	1.446	1.421	3.710	3.353	34.728	4.30	27.798	30.146	32.467	37.032	30.9	0.210	1463.1	469	
500	1.418	1.392	3.701	3.325	34.729	4.30	27.800	30.149	32.470	37.036	30.8	0.218	1463.3	494	
550	1.360	1.331	3.680	3.267	34.729	4.29	27.805	30.154	32.477	37.044	30.4	0.233	1463.9	543	
600	1.322	1.291	3.680	3.229	34.729	4.29	27.808	30.158	32.481	37.049	30.3	0.248	1464.6	592	
650	1.281	1.247	3.677	3.188	34.729	4.29	27.811	30.161	32.485	37.054	30.1	0.263	1465.2	642	
700	1.237	1.201	3.671	3.144	34.728	4.31	27.814	30.164	32.489	37.059	29.9	0.278	1465.8	691	
750	1.204	1.165	3.675	3.111	34.728	4.34	27.815	30.167	32.492	37.063	29.8	0.293	1466.5	740	
800	1.170	1.128	3.679	3.077	34.727	4.38	27.817	30.169	32.495	37.067	29.7	0.308	1467.2	790	
850	1.132	1.088	3.679	3.039	34.725	4.42	27.819	30.172	32.498	37.071	29.6	0.323	1467.8	839	
900	1.096	1.048	3.680	3.002	34.724	4.46	27.821	30.174	32.501	37.075	29.5	0.338	1468.5	888	
950	1.065	1.016	3.687	2.971	34.723	4.50	27.822	30.176	32.503	37.079	29.4	0.352	1469.2	938	
1000	1.031	0.979	3.691	2.937	34.722	4.52	27.823	30.178	32.505	37.082	29.3	0.367	1469.9	987	
1002	1.030	0.977	3.691	2.936	34.722	4.53	27.823	30.178	32.506	37.082	29.3	0.368	1469.9	989	

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	55U	94/10/03	00:17	-67.669	-145.051			968	25	20	0.0				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	ps	ps	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
2	-1.824	33.952	33.951	7.86	346	42.7	1.83	25.1	2171	443	7.00	3.38	0.65	24	2
25	-1.843	33.953	33.952	7.85	345	42.8	1.84	25.1	2171	445	6.99	3.35	0.65	22	25
75	-1.835	33.956	33.955	7.86	345	42.8	1.84	25.1	2171	445	7.06	3.46	0.67	19	74
102	-1.816	33.960	33.967	7.81	303	43.8	1.86	25.4	2173	447	6.88	3.36	0.64	17	101
182	1.596	34.636	34.631	4.15	180	85.1	2.33	33.2	2250	638	0.82	0.34	0.05	15	180
242	1.633	34.687	34.684	4.16	181	89.1	2.29	32.5	2254	617				13	239
262	1.645	34.698	34.694	4.18	182	89.3	2.28	32.3	2253	612	0.48	0.16	0.02	11	259
322	1.604	34.715	34.713	4.22	184	93.1	2.25	32.0	2253	596	0.38	0.16	0.01	9/10	319
503	1.411	34.728	34.726	4.30	187	101.4	2.24	31.9	2251	587				7	497
600	1.321	34.729	34.727	4.30	186	105.4	2.25	31.9	2258	594				5	593
799	1.167	34.726	34.724	4.34	191	112.2	2.28	32.3	2260	594				3	789
1003	1.030	34.722	34.719	4.45	197	117.7	2.26	31.9	2259	584	0.13	0.02	0.00	1	990

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.835	-1.835	0.030	0.027	33.952	7.95	27.330	29.730	32.104	36.770	73.5	0.003	1439.2	3
10	-1.843	-1.843	0.027	0.019	33.953	7.95	27.331	29.731	32.105	36.772	73.4	0.007	1439.4	9
20	-1.842	-1.843	0.035	0.020	33.953	7.96	27.331	29.732	32.105	36.772	73.3	0.015	1439.4	19
30	-1.842	-1.843	0.043	0.020	33.953	7.95	27.331	29.731	32.105	36.772	73.2	0.022	1439.6	29
40	-1.841	-1.842	0.051	0.021	33.954	7.96	27.331	29.732	32.105	36.772	73.1	0.029	1439.7	39
50	-1.840	-1.841	0.060	0.022	33.955	7.95	27.332	29.732	32.106	36.773	73.0	0.037	1439.9	49
60	-1.839	-1.840	0.069	0.024	33.955	7.96	27.332	29.733	32.106	36.773	72.9	0.044	1440.1	59
70	-1.837	-1.838	0.078	0.025	33.956	7.96	27.333	29.733	32.107	36.773	72.8	0.051	1440.2	69
80	-1.835	-1.837	0.087	0.027	33.956	7.93	27.333	29.733	32.107	36.773	72.7	0.058	1440.4	79
90	-1.833	-1.834	0.098	0.030	33.956	7.91	27.333	29.734	32.107	36.774	72.6	0.066	1440.6	89
100	-1.803	-1.805	0.135	0.060	33.968	7.53	27.342	29.742	32.114	36.780	71.7	0.073	1440.9	98
125	-0.142	-0.146	1.835	1.741	34.315	5.41	27.560	29.933	32.279	36.891	51.5	0.088	1449.6	123
150	1.056	1.049	3.064	2.952	34.537	4.45	27.670	30.024	32.351	36.928	41.7	0.099	1455.7	148
175	1.630	1.621	3.663	3.531	34.634	4.15	27.707	30.053	32.372	36.931	38.5	0.109	1458.8	173
200	1.688	1.678	3.742	3.591	34.667	4.13	27.730	30.074	32.392	36.950	36.5	0.119	1459.5	197
225	1.627	1.615	3.700	3.531	34.674	4.17	27.740	30.086	32.404	36.964	35.6	0.128	1459.7	222
250	1.631	1.619	3.724	3.536	34.690	4.17	27.753	30.098	32.417	36.976	34.5	0.136	1460.1	247
275	1.622	1.608	3.734	3.527	34.701	4.19	27.762	30.107	32.426	36.986	33.7	0.145	1460.5	271
300	1.594	1.579	3.726	3.500	34.708	4.22	27.770	30.116	32.435	36.995	33.0	0.153	1460.8	296
325	1.609	1.593	3.760	3.515	34.716	4.23	27.776	30.121	32.440	37.000	32.6	0.161	1461.3	321
350	1.579	1.561	3.749	3.486	34.719	4.25	27.781	30.127	32.446	37.007	32.2	0.170	1461.6	346
375	1.544	1.525	3.733	3.450	34.722	4.27	27.785	30.131	32.451	37.013	31.9	0.178	1461.8	370
400	1.527	1.506	3.735	3.434	34.725	4.28	27.789	30.136	32.456	37.018	31.6	0.186	1462.2	395
425	1.494	1.472	3.720	3.401	34.726	4.29	27.792	30.140	32.460	37.023	31.3	0.193	1462.4	420
450	1.474	1.451	3.720	3.381	34.728	4.30								

Latitude 67 39 S  
Longitude 145 04 W

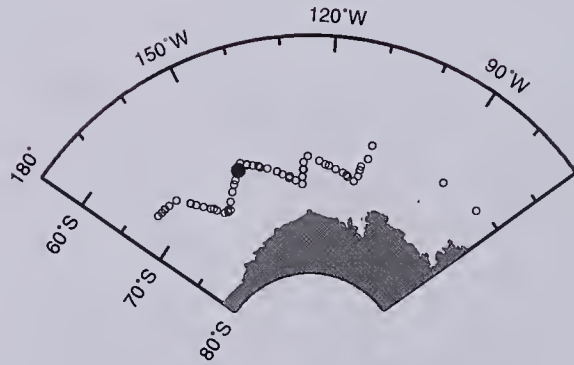
NP9405 055

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, DPTH, HT, BARO, WND, WNS, AIRTM. Includes sub-headers for TEMPCTD, POTEMP, TE>FRZ, etc.

Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, DPTH, HT, BARO, WND, WNS, AIRTM. Includes sub-headers for SALCTD, SALBOT, OXBOT, etc.

Table with columns: SHCRUS, STNM, YR/MO/DA, GTIME, LATITUDE, LONGITUDE, DPTH, HT, BARO, WND, WNS, AIRTM. Includes sub-headers for POTEMP, TE>FRZ, etc.

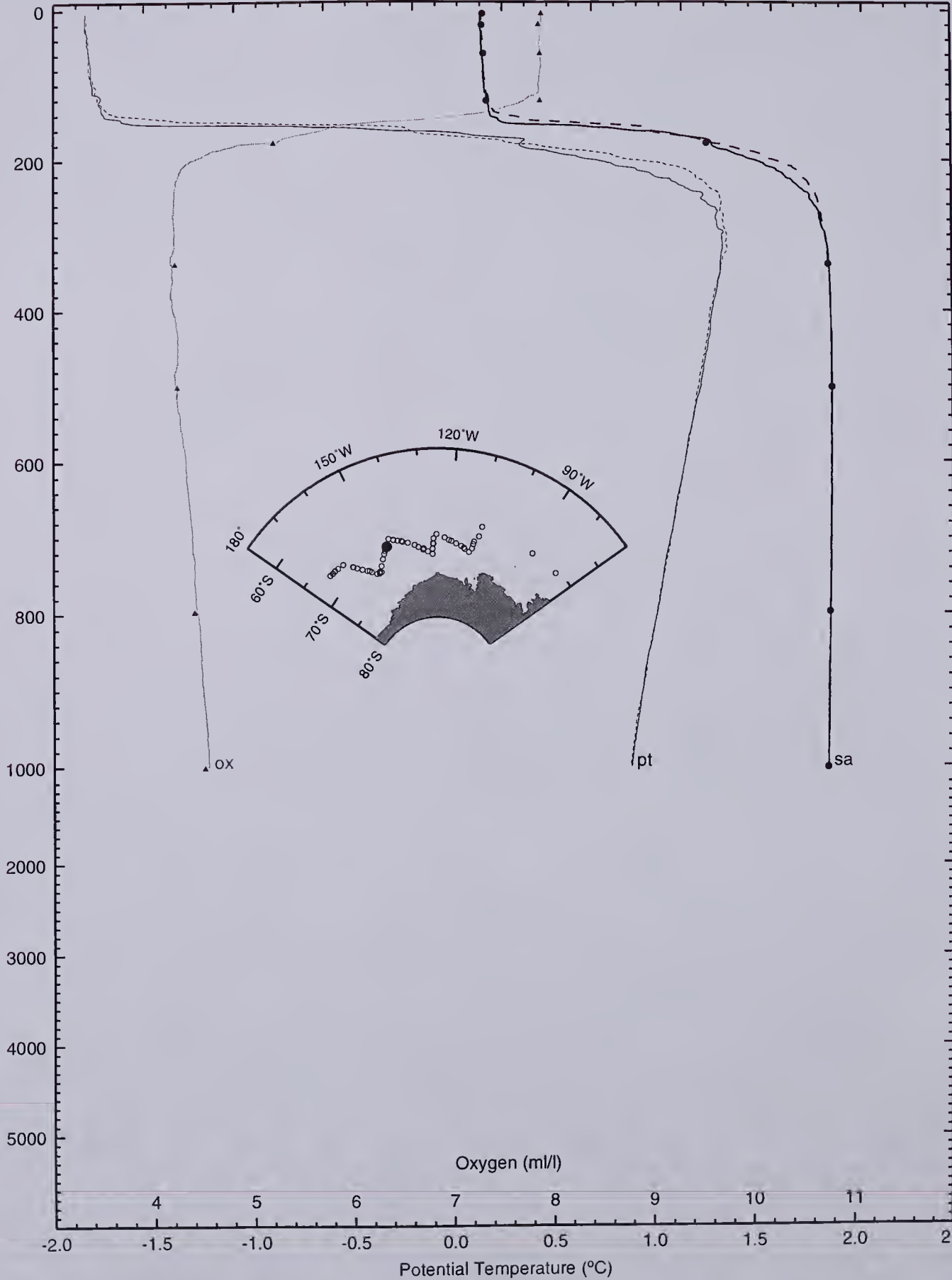
Latitude 67 59 S  
Longitude 145 31 W

Salinity

NP9405 056

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





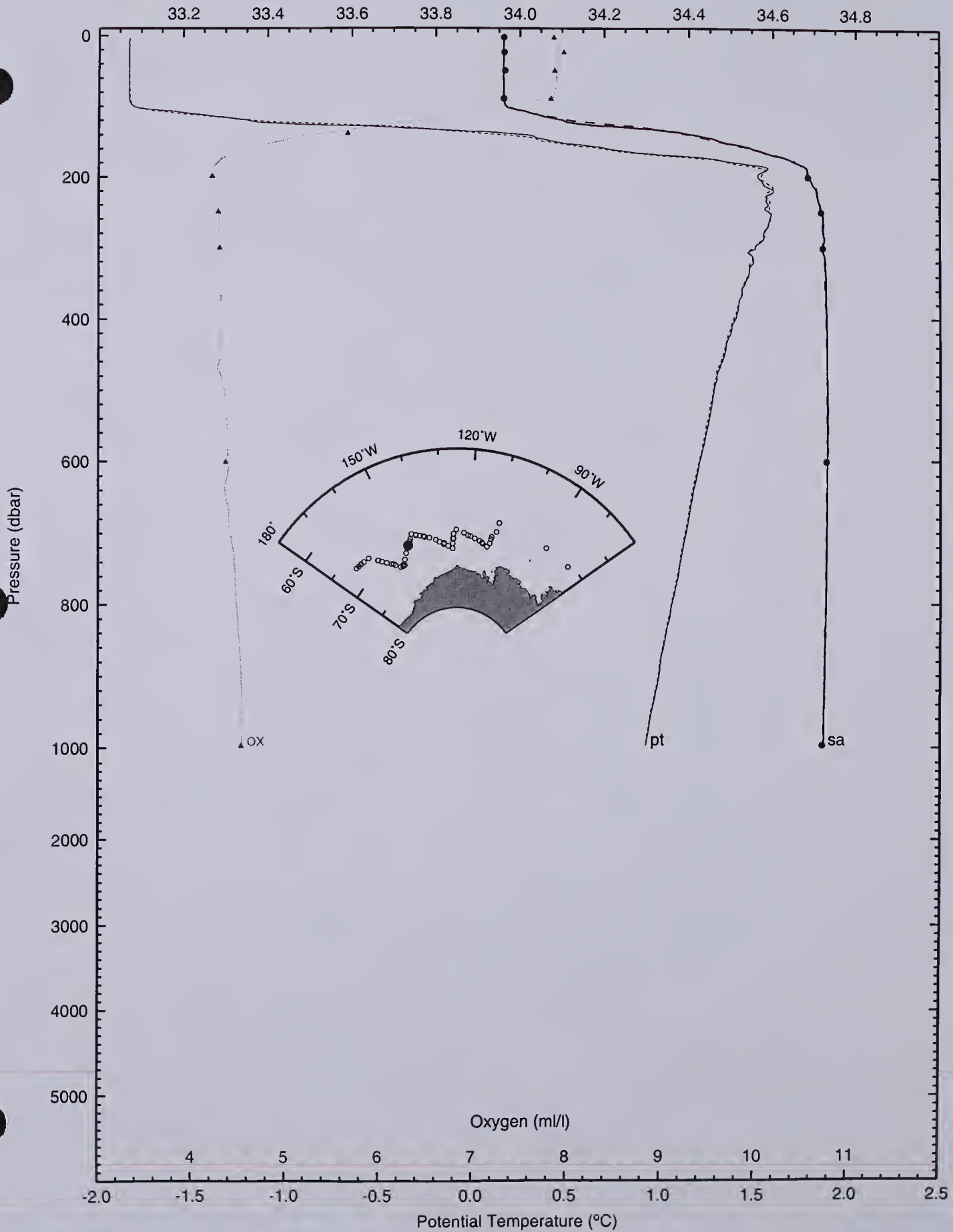
SHCRUS NP9405	STNM 57D	YR/MO/DA 94/10/03	GTIME 15:19	LATITUDE -68.496	LONGITUDE -146.885	DPTH	HT	BARO 974	WND 340	WNS 6	AIRTM -10.0				
PRES	TEMPFRZ degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.837	-1.837	0.030	0.026	33.961	7.92	344	27.337	29.738	32.111	36.777	72.8	0.004	1439.2	4
10	-1.839	-1.840	0.031	0.024	33.961	7.92	344	27.337	29.738	32.111	36.778	72.7	0.007	1439.3	9
20	-1.838	-1.838	0.040	0.025	33.961	7.92	344	27.337	29.738	32.111	36.778	72.7	0.015	1439.4	19
30	-1.838	-1.839	0.047	0.025	33.961	7.91	344	27.337	29.738	32.111	36.778	72.6	0.022	1439.6	29
40	-1.838	-1.839	0.055	0.025	33.961	7.91	344	27.337	29.738	32.111	36.778	72.5	0.029	1439.7	39
50	-1.837	-1.838	0.063	0.026	33.961	7.90	343	27.337	29.738	32.111	36.778	72.5	0.036	1439.9	49
60	-1.837	-1.839	0.071	0.026	33.961	7.89	343	27.337	29.738	32.111	36.778	72.4	0.044	1440.1	59
70	-1.837	-1.838	0.078	0.026	33.962	7.88	343	27.338	29.738	32.112	36.778	72.3	0.051	1440.2	69
80	-1.837	-1.839	0.086	0.026	33.962	7.88	342	27.338	29.738	32.112	36.778	72.2	0.058	1440.4	79
90	-1.836	-1.837	0.095	0.027	33.962	7.76	338	27.338	29.738	32.112	36.778	72.2	0.065	1440.6	89
100	-1.812	-1.814	0.127	0.051	33.966	7.53	327	27.341	29.741	32.114	36.780	71.8	0.072	1440.9	98
125	-1.044	-1.048	0.922	0.829	34.131	6.18	269	27.451	29.838	32.199	36.839	61.5	0.089	1445.1	123
150	0.435	0.429	2.440	2.327	34.474	4.94	215	27.658	30.021	32.358	36.952	42.6	0.102	1452.9	148
175	1.291	1.282	3.324	3.192	34.636	4.31	187	27.734	30.084	32.408	36.977	35.8	0.111	1457.3	173
200	1.527	1.517	3.582	3.431	34.685	4.23	184	27.756	30.103	32.423	36.986	33.9	0.120	1458.9	197
225	1.585	1.574	3.660	3.490	34.705	4.25	185	27.768	30.113	32.433	36.993	33.0	0.128	1459.6	222
250	1.592	1.579	3.686	3.498	34.716	4.28	186	27.776	30.122	32.441	37.001	32.3	0.136	1460.0	247
275	1.572	1.558	3.686	3.478	34.719	4.29	186	27.781	30.127	32.446	37.007	31.9	0.144	1460.3	271
300	1.517	1.502	3.650	3.423	34.721	4.29	187	27.786	30.133	32.453	37.015	31.5	0.152	1460.5	296
325	1.498	1.482	3.650	3.404	34.724	4.31	187	27.790	30.137	32.458	37.021	31.2	0.160	1460.8	321
350	1.466	1.448	3.636	3.373	34.725	4.31	187	27.794	30.141	32.462	37.026	30.9	0.168	1461.1	346
375	1.435	1.416	3.624	3.342	34.726	4.31	187	27.796	30.144	32.466	37.030	30.7	0.176	1461.4	370
400	1.417	1.396	3.625	3.324	34.727	4.31	187	27.799	30.147	32.469	37.034	30.5	0.183	1461.7	395
425	1.383	1.362	3.610	3.290	34.728	4.31	187	27.802	30.151	32.473	37.039	30.3	0.191	1462.0	420
450	1.360	1.337	3.605	3.267	34.729	4.30	187	27.804	30.153	32.476	37.043	30.2	0.198	1462.3	444
475	1.325	1.301	3.590	3.232	34.728	4.29	187	27.806	30.156	32.479	37.047	30.0	0.206	1462.5	469
500	1.306	1.280	3.589	3.213	34.729	4.34	189	27.809	30.159	32.482	37.050	29.8	0.213	1462.8	494
550	1.276	1.248	3.597	3.183	34.730	4.37	190	27.811	30.162	32.485	37.055	29.7	0.228	1463.5	543
600	1.235	1.204	3.593	3.142	34.729	4.39	191	27.814	30.165	32.489	37.059	29.6	0.243	1464.2	592
650	1.198	1.165	3.594	3.105	34.728	4.36	189	27.816	30.167	32.492	37.064	29.5	0.258	1464.8	642
700	1.167	1.131	3.601	3.074	34.727	4.41	191	27.817	30.169	32.495	37.067	29.4	0.273	1465.5	691
750	1.134	1.095	3.605	3.041	34.726	4.46	194	27.819	30.171	32.497	37.071	29.4	0.287	1466.2	740
800	1.097	1.056	3.606	3.005	34.725	4.48	195	27.820	30.174	32.500	37.075	29.3	0.302	1466.8	790
850	1.065	1.021	3.611	2.971	34.724	4.51	196	27.822	30.176	32.503	37.078	29.2	0.317	1467.5	839
900	1.036	0.990	3.621	2.942	34.723	4.53	197	27.823	30.177	32.505	37.081	29.1	0.331	1468.2	888
950	1.000	0.951	3.622	2.906	34.721	4.54	197	27.825	30.179	32.508	37.085	29.0	0.346	1468.9	938
997	0.974	0.921	3.631	2.880	34.720	4.54	197	27.826	30.181	32.509	37.088	29.0	0.359	1469.5	984

SHCRUS NP9405	STNM 57U	YR/MO/DA 94/10/03	GTIME 16:15	LATITUDE -68.493	LONGITUDE -146.873	DPTH	HT	BARO 974	WND 340	WNS 6	AIRTM -10.0			
PRES	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pM/kg	F12 pM/kg	F113 pM/kg	BN	DPTH m
3	-1.837	33.962	33.962	7.86	345	44.5	1.89	25.0	2166	446			10	3
24	-1.839	33.962	33.963	7.97	344	43.7	1.88	25.2	2166	446			9	24
50	-1.838	33.961	33.965	7.87	343	43.2	1.88	25.1	2174	444			8	49
90	-1.835	33.961	33.962	7.83	337	43.2	1.91	25.1	2169	446			7	89
139	0.109	34.391		5.66	233	76.0	2.24	31.2	2224	575			6	138
200	1.545	34.683	34.683	4.21	184	90.6	2.30	32.6	2252	615			5	198
250	1.598	34.714	34.714	4.28	186	94.1	2.29	32.2	2254	594			4	247
301	1.520	34.720	34.718	4.29	187	97.6	2.29	32.0	2252	594			3	298
601	1.235	34.728	34.727	4.36	191	110.2	2.29	32.1	2258	584			2	594
997	0.970	34.720	34.717	4.53	197	119.6	2.33	32.3	2259	585			1	985

PRES	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
4	-1.836	-1.836	0.030	0.027	33.962	7.93	345	27.338	29.738	32.111	36.778	72.8	0.003	1439.2	3
10	-1.838	-1.838	0.033	0.025	33.962	7.92	344	27.338	29.738	32.112	36.778	72.7	0.007	1439.3	9
20	-1.839	-1.839	0.039	0.024	33.962	7.92	344	27.338	29.738	32.112	36.778	72.6	0.015	1439.4	19
30	-1.839	-1.839	0.047	0.024	33.962	7.91	344	27.338	29.738	32.112	36.778	72.6	0.022	1439.6	29
40	-1.838	-1.839	0.055	0.025	33.961	7.91	344	27.337	29.738	32.111	36.778	72.5	0.029	1439.8	39
50	-1.837	-1.838	0.063	0.026	33.961	7.90	343	27.337	29.738	32.111	36.778	72.5	0.036	1439.9	49
60	-1.836	-1.837	0.072	0.027	33.961	7.89	343	27.337	29.738	32.111	36.778	72.4	0.044	1440.1	59
70	-1.835	-1.836	0.081	0.028	33.961	7.88	343	27.337	29.738	32.111	36.778	72.3	0.051	1440.3	69
80	-1.834	-1.835	0.089	0.029	33.961	7.88	342	27.337	29.738	32.111	36.777	72.3	0.058	1440.4	79
90	-1.830	-1.832	0.101	0.033	33.962	7.76	338	27.338	29.739	32.112	36.778	72.1	0.065	1440.6	89
100	-1.810	-1.812	0.128	0.053	33.970	7.53	327	27.344	29.744	32.117	36.783	71.5	0.072	1440.9	98
125	-0.855	-0.858	1.115	1.021	34.191	6.18	269	27.492	29.876	32.233	36.868	57.7	0.089	1446.1	123
150	0.390	0.384	2.394	2.282	34.468	4.94	215	27.656	30.020	32.357	36.953	42.7	0.101	1452.6	148
175	1.267	1.258	3.300	3.169	34.642	4.31	187	27.740	30.090	32.415	36.984	35.2	0.111	1457.2	173
200	1.542	1.532	3.597	3.446	34.684	4.23	184	27.754	30.101	32.421	36.983	34.1	0.119	1458.9	197
225	1.573	1.562	3.648	3.478	34.705	4.25	185	27.769	30.115	32.435	36.995	32.8	0.128	1459.5	222
250	1.598	1.585	3.692	3.504	34.715	4.28	186	27.775	30.121	32.440	37.000	32.4	0.136	1460.0	247
275	1.570	1.556	3.683	3.476	34.718	4.29	186	27.800	30.126	32.445	37.006	32.0	0.144	1460.3	271
300	1.511	1.496	3.643	3.417	34.720	4.29	187	27.785	30.132	32.453	37.015	31.5	0.152	1460.5	296
325	1.487	1.470	3.638	3.393	34.723	4.31	187	27.790	30.137	32.458	37.021	31.1	0.160	1460.8	321
350	1.460	1.443	3.630	3.366	34.724	4.31	187	27.793	30.141	32.462	37.026	31.0	0.167	1461.1	346
375	1.434	1.415	3.623	3.341	34.725	4.31	187	27.796	30.144	32.466	37.030	30.7	0.175	1461.4	370
400	1.407	1.387	3.615	3.314	34.726	4.31	187	27.799	30.147	32.469	37.034	30.5	0.183	1461.7	395
425	1.375	1.353	3.602	3.282	34.727	4.31	187	27.802	30.151	32.473	37.039	30.3	0.190	1461.9	420
450	1.354	1.331	3.599	3.261	34.728	4.30	187	27.804	30.153	32.					

Latitude 68 30 S  
Longitude 146 53 W

NP9405 057



SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
 NP9405 58D 94/10/03 21:26 -68.885 -147.648 975 312 5 -13.3

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	psa	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.827	-1.827	0.041	0.037	33.987	7.61	331	27.358	29.758	32.131	36.797	70.8	0.004	1439.3	4
10	-1.829	-1.829	0.043	0.036	33.987	7.62	331	27.358	29.758	32.132	36.798	70.8	0.007	1439.3	9
20	-1.830	-1.831	0.049	0.034	33.987	7.62	331	27.358	29.759	32.132	36.798	70.7	0.014	1439.5	19
30	-1.827	-1.828	0.060	0.037	33.988	7.56	329	27.359	29.759	32.132	36.798	70.6	0.021	1439.7	29
40	-1.826	-1.827	0.069	0.038	33.988	7.55	328	27.359	29.759	32.132	36.798	70.5	0.028	1439.8	39
50	-1.823	-1.824	0.079	0.041	33.989	7.52	327	27.359	29.760	32.133	36.798	70.4	0.035	1440.0	49
60	-1.815	-1.816	0.095	0.050	33.995	7.43	323	27.364	29.764	32.137	36.803	69.9	0.042	1440.2	59
70	-1.796	-1.798	0.122	0.070	34.011	7.37	320	27.377	29.776	32.149	36.814	68.6	0.049	1440.5	69
80	-1.622	-1.623	0.306	0.245	34.036	6.79	295	27.393	29.790	32.159	36.818	67.1	0.056	1441.5	79
90	-0.606	-0.609	1.339	1.271	34.212	6.26	272	27.498	29.879	32.232	36.859	57.2	0.062	1446.7	89
100	0.261	0.257	2.222	2.147	34.367	5.84	254	27.582	29.948	32.288	36.888	49.6	0.068	1451.1	98
125	1.157	1.151	3.148	3.054	34.566	4.43	192	27.686	30.039	32.365	36.938	40.1	0.079	1455.8	123
150	1.455	1.448	3.469	3.356	34.635	4.23	184	27.721	30.069	32.391	36.955	37.0	0.089	1457.7	148
175	1.565	1.556	3.600	3.468	34.671	4.19	182	27.742	30.088	32.408	36.969	35.2	0.098	1458.6	173
200	1.613	1.602	3.668	3.516	34.690	4.20	183	27.753	30.099	32.418	36.978	34.2	0.106	1459.2	197
225	1.602	1.590	3.676	3.507	34.698	4.22	184	27.762	30.107	32.426	36.986	33.5	0.115	1459.6	222
250	1.592	1.579	3.685	3.498	34.708	4.24	184	27.770	30.116	32.435	36.995	32.8	0.123	1460.0	247
275	1.567	1.554	3.680	3.473	34.713	4.26	185	27.776	30.122	32.441	37.002	32.4	0.131	1460.3	271
300	1.563	1.548	3.695	3.469	34.718	4.28	186	27.780	30.127	32.446	37.007	32.0	0.139	1460.7	296
325	1.541	1.524	3.692	3.447	34.721	4.29	186	27.784	30.131	32.451	37.012	31.8	0.147	1461.0	321
350	1.509	1.492	3.679	3.415	34.724	4.31	187	27.789	30.136	32.456	37.019	31.4	0.155	1461.3	346
375	1.482	1.463	3.671	3.389	34.727	4.31	187	27.794	30.141	32.462	37.025	31.0	0.163	1461.6	370
400	1.477	1.456	3.685	3.384	34.728	4.29	186	27.796	30.143	32.464	37.027	30.9	0.171	1462.0	395
425	1.450	1.428	3.677	3.357	34.729	4.29	187	27.798	30.146	32.467	37.031	30.8	0.178	1462.3	420
450	1.411	1.388	3.657	3.318	34.729	4.28	186	27.801	30.149	32.471	37.036	30.5	0.186	1462.5	444
475	1.385	1.360	3.649	3.292	34.730	4.29	186	27.803	30.152	32.474	37.040	30.4	0.194	1462.8	469
500	1.362	1.336	3.645	3.269	34.730	4.28	186	27.805	30.154	32.477	37.043	30.2	0.201	1463.1	494
550	1.314	1.286	3.635	3.221	34.730	4.29	186	27.808	30.158	32.482	37.050	30.0	0.216	1463.7	543
600	1.282	1.251	3.640	3.189	34.729	4.28	186	27.811	30.161	32.485	37.054	29.9	0.231	1464.4	592
650	1.242	1.208	3.638	3.149	34.728	4.28	186	27.813	30.164	32.488	37.059	29.8	0.246	1465.0	642
700	1.201	1.165	3.635	3.108	34.727	4.30	187	27.815	30.167	32.492	37.063	29.7	0.261	1465.7	691
750	1.163	1.124	3.634	3.070	34.727	4.34	188	27.817	30.169	32.495	37.068	29.6	0.276	1466.3	740
800	1.137	1.095	3.646	3.044	34.726	4.37	190	27.819	30.171	32.497	37.071	29.5	0.291	1467.0	790
850	1.101	1.056	3.647	3.007	34.724	4.40	191	27.820	30.173	32.500	37.075	29.4	0.305	1467.7	839
900	1.072	1.025	3.656	2.978	34.724	4.41	192	27.822	30.175	32.502	37.078	29.4	0.320	1468.4	888
950	1.041	0.991	3.663	2.947	34.722	4.43	192	27.823	30.177	32.505	37.081	29.3	0.335	1469.1	938
1000	1.004	0.952	3.664	2.910	34.721	4.44	193	27.824	30.179	32.507	37.085	29.2	0.349	1469.7	987
1100	0.948	0.890	3.683	2.854	34.719	4.49	195	27.827	30.182	32.511	37.091	29.0	0.378	1471.1	1085
1200	0.885	0.821	3.694	2.791	34.717	4.53	197	27.829	30.186	32.516	37.097	28.8	0.407	1472.5	1184
1300	0.823	0.753	3.708	2.729	34.714	4.54	197	27.832	30.189	32.520	37.103	28.6	0.436	1473.9	1282
1400	0.780	0.705	3.740	2.686	34.712	4.57	199	27.833	30.192	32.523	37.108	28.5	0.465	1475.4	1380
1500	0.737	0.655	3.772	2.643	34.711	4.58	199	27.835	30.194	32.527	37.113	28.3	0.493	1476.8	1479
1600	0.698	0.610	3.808	2.604	34.709	4.60	200	27.837	30.196	32.530	37.117	28.2	0.521	1478.3	1577
1700	0.664	0.570	3.850	2.570	34.708	4.61	200	27.838	30.199	32.532	37.121	28.1	0.549	1479.9	1675
1800	0.628	0.527	3.889	2.533	34.707	4.64	202	27.840	30.201	32.535	37.125	27.9	0.577	1481.4	1773
1900	0.589	0.481	3.925	2.494	34.706	4.67	203	27.842	30.204	32.539	37.130	27.6	0.605	1482.9	1872
2000	0.552	0.438	3.963	2.457	34.706	4.69	204	27.844	30.207	32.542	37.134	27.4	0.633	1484.4	1970
2100	0.517	0.396	4.004	2.422	34.705	4.71	205	27.846	30.209	32.545	37.139	27.1	0.660	1485.9	2068
2200	0.479	0.350	4.041	2.384	34.705	4.73	206	27.849	30.212	32.549	37.144	26.8	0.687	1487.4	2166
2300	0.444	0.309	4.082	2.349	34.705	4.76	207	27.851	30.215	32.552	37.148	26.5	0.713	1489.0	2264
2400	0.410	0.267	4.122	2.315	34.705	4.78	208	27.853	30.218	32.556	37.153	26.2	0.740	1490.5	2362
2500	0.378	0.228	4.166	2.283	34.704	4.80	208	27.855	30.221	32.559	37.157	25.9	0.766	1492.1	2459
2600	0.352	0.195	4.215	2.257	34.704	4.82	209	27.857	30.223	32.562	37.161	25.6	0.792	1493.6	2557
2700	0.325	0.160	4.263	2.230	34.704	4.86	211	27.859	30.225	32.565	37.165	25.3	0.817	1495.2	2655
2800	0.301	0.128	4.315	2.206	34.704	4.87	211	27.860	30.227	32.567	37.168	25.1	0.842	1496.8	2753
2900	0.276	0.095	4.365	2.181	34.703	4.89	212	27.862	30.229	32.570	37.172	24.8	0.867	1498.4	2850
3000	0.254	0.065	4.418	2.159	34.703	4.92	214	27.863	30.231	32.572	37.175	24.6	0.892	1500.0	2948
3200	0.206	0.000	4.521	2.111	34.703	4.98	216	27.866	30.235	32.577	37.182	24.0	0.941	1503.2	3143
3400	0.148	-0.074	4.614	2.053	34.702	5.08	221	27.869	30.239	32.582	37.189	23.4	0.988	1506.4	3338
3600	0.123	-0.117	4.739	2.028	34.701	5.13	223	27.871	30.242	32.586	37.194	23.0	1.034	1509.7	3533
3800	0.120	-0.140	4.887	2.025	34.702	5.16	224	27.872	30.243	32.588	37.197	22.9	1.080	1513.2	3728
4000	0.128	-0.152	5.045	2.033	34.701	5.18	225	27.873	30.244	32.589	37.198	23.0	1.126	1516.7	3922
4200	0.141	-0.160	5.209	2.046	34.701	5.21	226	27.873	30.245	32.589	37.199	23.2	1.173	1520.2	4116
4400	0.159	-0.163	5.378	2.064	34.701	5.23	227	27.874	30.245	32.589	37.199	23.5	1.219	1523.8	4311
4448	0.164	-0.163	5.419	2.069	34.701	5.26	228	27.873	30.245	32.589	37.199	23.6	1.231	1524.6	4357

SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
 NP9405 58U 94/10/04 00:36 -68.885 -147.648 975 312 5 -13.3

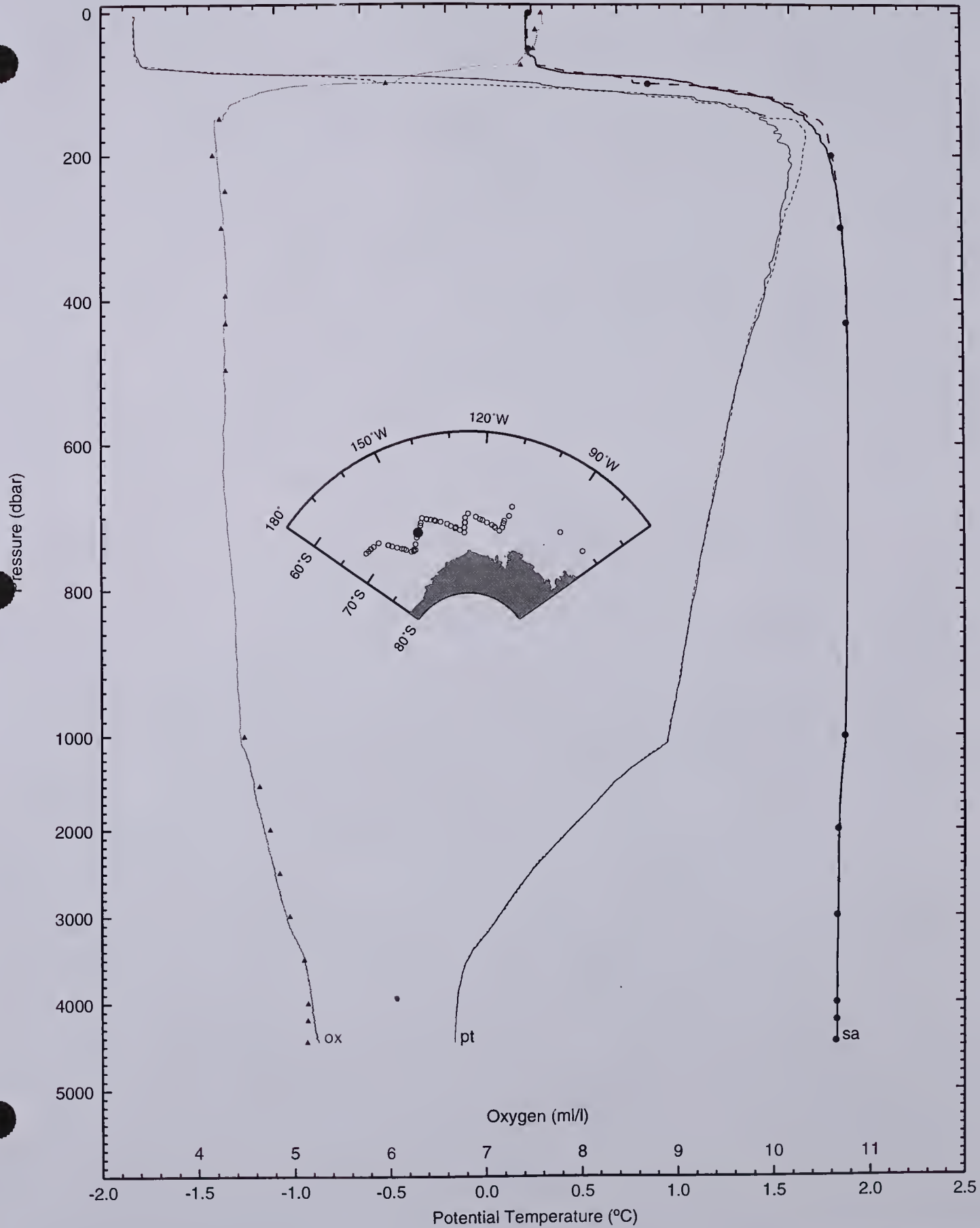
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	P04	N03	TCO2	PCO2	F11	F12	F13	BN	DPTH
dbar	degC	psa	psa	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
2	-1.832	33.991	33.993	7.60	331	42.3	1.85	25.5	2179					22	2
25	-1.832	33.991		7.54	330	41.6	1.85	25.7	2179					20	25
52	-1.828	33.992	33.993	7.52	325	41.5	1.85	25.9	2179	462				19	51
75	-1.786	34.011		7.39	310	43.3	1.87	26.1	2183	470				18	74
101	-0.511	34.247	34.271	5.97	241	62.3	2.08	30.0	2212	545				17	100
150	1.466	34.642		4.23	183	83.4	2.27	32.5	2252	627				16	148
201	1.679	34.696	34.695	4.16	183	85.7	2.20	32.2	2252	612		</			

Latitude 68 53 S  
Longitude 147 39 W

Salinity

NP9405 058

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS NP9405	STNM 59D	YR/MO/DA 94/10/04	GTIME 11:34	LATITUDE -69.483	LONGITUDE -149.017	DPTH 4400	HT	BARO 973	WND 191	WNS 1	AIRTH -19.9						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP mL/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
5	-1.831	-1.831	0.036	0.032	33.971	7.75	337	27.345	29.746	32.119	36.785	72.0	0.004	1439.2	4		
10	-1.833	-1.833	0.038	0.030	33.971	7.74	336	27.345	29.746	32.119	36.785	72.0	0.007	1439.3	9		
20	-1.833	-1.833	0.046	0.030	33.971	7.73	336	27.345	29.746	32.119	36.785	71.9	0.014	1439.5	19		
30	-1.833	-1.833	0.053	0.030	33.971	7.73	336	27.345	29.746	32.119	36.785	71.8	0.022	1439.6	29		
40	-1.832	-1.833	0.062	0.031	33.971	7.73	336	27.346	29.747	32.120	36.786	71.7	0.029	1439.8	39		
50	-1.831	-1.832	0.070	0.032	33.972	7.73	336	27.346	29.746	32.119	36.785	71.8	0.036	1440.0	49		
60	-1.830	-1.831	0.078	0.033	33.972	7.72	336	27.346	29.746	32.119	36.786	71.6	0.043	1440.1	59		
70	-1.830	-1.831	0.086	0.033	33.972	7.72	336	27.346	29.746	32.120	36.786	71.5	0.050	1440.3	69		
80	-1.828	-1.830	0.095	0.035	33.972	7.71	335	27.346	29.746	32.120	36.786	71.4	0.057	1440.5	79		
90	-1.827	-1.829	0.104	0.036	33.973	7.69	334	27.346	29.747	32.120	36.786	71.3	0.065	1440.6	89		
100	-1.802	-1.804	0.137	0.062	33.977	7.60	330	27.349	29.749	32.122	36.787	71.0	0.072	1440.9	98		
125	-1.409	-1.412	0.552	0.459	34.046	6.82	296	27.395	29.788	32.154	36.807	66.7	0.089	1443.3	123		
150	-0.511	-0.516	1.480	1.367	34.226	5.41	235	27.506	29.885	32.237	36.861	56.5	0.105	1448.2	148		
175	0.645	0.638	2.668	2.536	34.458	4.60	200	27.633	29.993	32.327	36.915	45.0	0.117	1454.2	173		
200	1.393	1.383	3.443	3.293	34.608	4.17	181	27.704	30.053	32.376	36.942	38.7	0.127	1458.2	197		
225	1.619	1.607	3.692	3.523	34.674	4.12	179	27.741	30.086	32.405	36.965	35.5	0.137	1459.7	222		
250	1.565	1.552	3.657	3.468	34.686	4.15	180	27.754	30.101	32.420	36.982	34.3	0.145	1459.8	247		
275	1.527	1.513	3.639	3.432	34.696	4.17	181	27.765	30.112	32.432	36.994	33.4	0.154	1460.1	271		
300	1.600	1.585	3.732	3.506	34.712	4.17	181	27.773	30.119	32.438	36.998	32.8	0.162	1460.9	296		
325	1.550	1.534	3.701	3.457	34.714	4.18	182	27.778	30.124	32.444	37.006	32.4	0.170	1461.0	321		
350	1.504	1.486	3.673	3.410	34.717	4.18	182	27.784	30.131	32.451	37.014	31.9	0.178	1461.3	346		
375	1.466	1.446	3.654	3.372	34.719	4.18	182	27.788	30.136	32.457	37.021	31.5	0.186	1461.5	370		
400	1.456	1.436	3.664	3.362	34.723	4.17	181	27.792	30.140	32.461	37.025	31.2	0.194	1461.9	395		
425	1.432	1.410	3.658	3.338	34.724	4.18	182	27.796	30.144	32.465	37.030	31.0	0.202	1462.2	420		
450	1.408	1.385	3.654	3.315	34.726	4.24	184	27.798	30.147	32.469	37.034	30.7	0.209	1462.5	444		
475	1.403	1.379	3.667	3.310	34.728	4.22	183	27.801	30.150	32.472	37.037	30.6	0.217	1462.9	469		
500	1.366	1.340	3.649	3.273	34.728	4.23	184	27.803	30.152	32.475	37.041	30.4	0.225	1463.1	494		
550	1.339	1.311	3.660	3.246	34.729	4.22	183	27.807	30.156	32.479	37.046	30.2	0.240	1463.8	543		
600	1.296	1.266	3.655	3.203	34.729	4.25	185	27.810	30.160	32.483	37.052	30.1	0.255	1464.4	592		
650	1.259	1.226	3.655	3.166	34.729	4.27	185	27.812	30.163	32.487	37.057	29.9	0.270	1465.1	642		
700	1.222	1.186	3.656	3.129	34.728	4.29	186	27.814	30.165	32.490	37.061	29.8	0.285	1465.8	691		
750	1.191	1.152	3.663	3.098	34.727	4.32	187	27.816	30.168	32.493	37.065	29.7	0.300	1466.4	740		
800	1.149	1.107	3.658	3.056	34.726	4.30	187	27.818	30.170	32.496	37.069	29.6	0.315	1467.1	790		
850	1.114	1.070	3.661	3.021	34.725	4.34	189	27.820	30.173	32.499	37.073	29.5	0.329	1467.8	839		
900	1.077	1.030	3.661	2.983	34.724	4.37	190	27.821	30.175	32.502	37.077	29.4	0.344	1468.4	888		
950	1.048	0.998	3.670	2.954	34.723	4.41	192	27.823	30.177	32.504	37.080	29.3	0.359	1469.1	938		
1000	1.024	0.972	3.684	2.930	34.722	4.44	193	27.824	30.178	32.506	37.083	29.3	0.373	1469.8	987		

SHCRUS NP9405	STNM 59U	YR/MO/DA 94/10/04	GTIME 12:35	LATITUDE -69.490	LONGITUDE -149.020	DPTH 4400	HT	BARO 973	WND 191	WNS 1	AIRTH -19.9						
PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT mL/l	OXCTD um/kg	SI03 um/kg	PO4 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pM/kg	F12 pM/kg	F113 pM/kg	BN	DPTH m		
5	-1.834	33.973	33.973	7.71	334	41.0	1.84	25.4		451				18	5		
18	-1.835	33.972	33.972	7.77	333	40.7	1.87	25.4	2176	451				15	18		
49	-1.831	33.972	33.972	7.70	333	41.1	1.88	25.6	2174	451				13	49		
100	-1.788	33.980	33.983	7.67	326	41.7	1.88	25.6	2174	454				11	99		
239	1.567	34.685	34.683	4.19	177	88.4	2.28	32.3	2254	613				10	237		
290	1.573	34.707	34.706	4.23	178	91.9	2.24	31.9	2253	601				7	287		
529	1.349	34.729	34.726	4.31	182	103.5	2.22	31.7	2259	593				5	523		
750	1.190	34.727	34.727	4.34	184	110.5	2.27	31.8	2261	592				3	741		
1000	1.023	34.721	34.720	4.22	190	116.7	2.28	31.8	2260	588				1	988		

PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP mL/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
4	-1.834	-1.834	0.033	0.029	33.972	7.75	337	27.346	29.747	32.120	36.786	71.9	0.003	1439.2	3		
10	-1.835	-1.835	0.036	0.028	33.973	7.74	336	27.346	29.747	32.120	36.787	71.9	0.007	1439.3	9		
20	-1.834	-1.835	0.044	0.029	33.972	7.73	336	27.346	29.747	32.120	36.786	71.8	0.014	1439.5	19		
30	-1.833	-1.834	0.053	0.030	33.972	7.73	336	27.346	29.746	32.120	36.786	71.8	0.022	1439.6	29		
40	-1.832	-1.833	0.061	0.031	33.972	7.73	336	27.346	29.747	32.120	36.786	71.7	0.029	1439.8	39		
50	-1.830	-1.831	0.071	0.033	33.972	7.73	336	27.346	29.746	32.120	36.786	71.6	0.036	1440.0	49		
60	-1.829	-1.830	0.079	0.034	33.972	7.72	336	27.346	29.746	32.120	36.786	71.6	0.043	1440.1	59		
70	-1.829	-1.830	0.087	0.034	33.972	7.72	336	27.346	29.746	32.120	36.786	71.5	0.050	1440.3	69		
80	-1.825	-1.827	0.098	0.038	33.973	7.71	335	27.346	29.747	32.120	36.786	71.4	0.057	1440.5	79		
90	-1.812	-1.814	0.119	0.052	33.976	7.69	334	27.349	29.749	32.122	36.787	71.1	0.064	1440.7	89		
100	-1.779	-1.781	0.160	0.085	33.980	7.60	330	27.352	29.751	32.124	36.788	70.8	0.072	1441.0	98		
125	-1.396	-1.399	0.567	0.472	34.059	6.82	296	27.404	29.797	32.163	36.816	65.8	0.089	1443.4	123		
150	-0.133	-0.138	1.864	1.751	34.325	5.41	235	27.568	29.941	32.286	36.899	50.8	0.103	1450.1	148		
175	0.798	0.790	2.823	2.692	34.501	4.60	200	27.658	30.016	32.347	36.931	42.7	0.115	1454.9	173		
200	1.454	1.444	3.505	3.354	34.632	4.17	181	27.719	30.067	32.388	36.953	37.4	0.125	1458.5	197		
225	1.635	1.623	3.708	3.539	34.682	4.12	179	27.746	30.091	32.410	36.969	35.1	0.134	1459.7	222		
250	1.566	1.554	3.659	3.471	34.691	4.15	180	27.758	30.105	32.424	36.985	33.9	0.142	1459.9	247		
275	1.597	1.583	3.709	3.502	34.706	4.17	181	27.768	30.114	32.433	36.993	33.1	0.151	1460.4	271		
300	1.597	1.582	3.729	3.503	34.712	4.17	181	27.773	30.119	32.438	36.998	32.7	0.159	1460.8	296		
325	1.549	1.532	3.700	3.455	34.713	4.18	182	27.777	30.124	32.444	37.005	32.4	0.167	1461.0	321		
350	1.506	1.488	3.675	3.412	34.716	4.18	182	27.783	30.130	32.450	37.013	32.0	0.175	1461.3	346		
375	1.463	1.444															

Latitude 69 29 S  
Longitude 149 01 W

NP9405 059

Salinity 33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





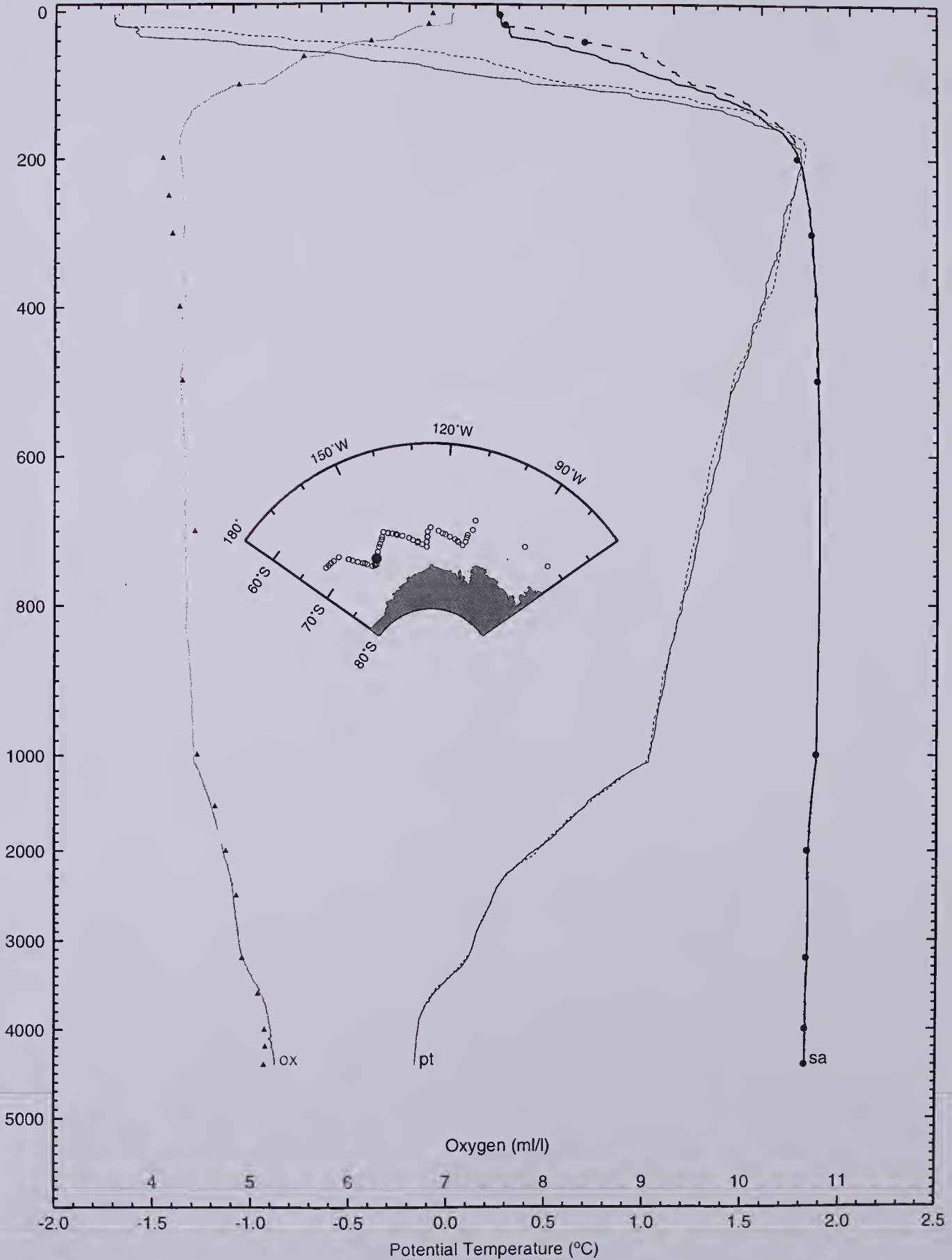
Latitude 70 22 S  
Longitude 150 50 W

Salinity

NP9405 060

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

pressure (dbar)



Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

5000

4000

3000

2000

1000

800

600

400

200

0



SHCRUS NP9405	STNM 61D	YR/MO/DA 94/10/05	GTIME 12:47	LATITUDE -71.004	LONGITUDE -152.810	DEPTH 4340	HT	BARO 972	WIND 245	WNS 9	AIRTM -11.7				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DEPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.790	-1.790	0.083	0.079	34.069	7.22	314	27.424	29.823	32.195	36.859	64.6	0.003	1439.6	4
10	-1.791	-1.791	0.086	0.078	34.070	7.20	313	27.424	29.824	32.196	36.860	64.5	0.006	1439.6	9
20	-1.788	-1.789	0.096	0.081	34.070	7.20	313	27.425	29.824	32.196	36.860	64.4	0.013	1439.8	19
30	-1.786	-1.786	0.106	0.083	34.071	7.20	313	27.425	29.824	32.196	36.860	64.3	0.019	1440.0	29
40	-1.776	-1.776	0.124	0.093	34.072	7.20	313	27.425	29.824	32.196	36.860	64.2	0.026	1440.2	39
50	-1.703	-1.704	0.204	0.167	34.080	7.19	313	27.430	29.828	32.199	36.860	63.7	0.032	1440.7	49
60	-1.552	-1.553	0.364	0.319	34.099	7.05	306	27.442	29.837	32.206	36.862	62.6	0.038	1441.6	59
70	-1.392	-1.394	0.532	0.480	34.124	6.91	301	27.457	29.850	32.216	36.867	61.1	0.045	1442.6	69
80	-1.192	-1.194	0.742	0.682	34.154	6.79	295	27.475	29.864	32.227	36.872	59.4	0.051	1443.7	79
90	-1.121	-1.123	0.821	0.754	34.166	6.72	292	27.482	29.870	32.232	36.875	58.7	0.057	1444.3	89
100	-1.021	-1.024	0.930	0.854	34.181	6.59	287	27.491	29.877	32.237	36.877	57.9	0.062	1444.9	98
125	-0.462	-0.466	1.512	1.418	34.269	5.85	254	27.539	29.916	32.267	36.890	53.4	0.076	1448.1	123
150	0.325	0.319	2.326	2.213	34.406	5.03	219	27.610	29.975	32.313	36.912	47.1	0.089	1452.3	148
175	0.925	0.917	2.952	2.820	34.517	4.45	193	27.663	30.019	32.348	36.928	42.3	0.100	1455.5	173
200	1.425	1.415	3.476	3.326	34.620	4.23	184	27.712	30.060	32.382	36.947	38.0	0.110	1458.3	197
225	1.608	1.596	3.681	3.512	34.675	4.19	182	27.743	30.088	32.407	36.967	35.3	0.119	1459.6	222
250	1.664	1.651	3.757	3.569	34.696	4.20	183	27.755	30.100	32.418	36.976	34.3	0.128	1460.3	247
275	1.647	1.633	3.759	3.552	34.703	4.22	184	27.762	30.107	32.425	36.984	33.7	0.136	1460.6	271
300	1.635	1.619	3.766	3.541	34.710	4.24	184	27.769	30.114	32.433	36.992	33.2	0.145	1461.0	296
325	1.626	1.609	3.777	3.532	34.715	4.26	185	27.774	30.119	32.438	36.997	32.8	0.153	1461.4	321
350	1.608	1.590	3.778	3.514	34.718	4.28	186	27.777	30.123	32.442	37.002	32.6	0.161	1461.7	346
375	1.584	1.564	3.773	3.490	34.721	4.30	187	27.782	30.128	32.447	37.008	32.2	0.169	1462.0	370
400	1.564	1.543	3.771	3.470	34.724	4.31	187	27.785	30.132	32.451	37.012	32.0	0.177	1462.3	395
425	1.536	1.514	3.762	3.443	34.725	4.32	188	27.789	30.136	32.456	37.017	31.7	0.185	1462.6	420
450	1.510	1.486	3.755	3.417	34.726	4.33	188	27.791	30.138	32.459	37.022	31.5	0.193	1462.9	444
475	1.466	1.441	3.730	3.373	34.726	4.33	188	27.794	30.142	32.463	37.027	31.3	0.201	1463.1	469
500	1.458	1.432	3.742	3.365	34.728	4.32	188	27.797	30.145	32.466	37.030	31.1	0.209	1463.5	494
550	1.410	1.381	3.731	3.317	34.728	4.29	186	27.801	30.149	32.471	37.037	30.9	0.224	1464.1	543
600	1.348	1.317	3.707	3.255	34.729	4.28	186	27.806	30.155	32.478	37.045	30.5	0.240	1464.7	592
650	1.307	1.273	3.703	3.214	34.729	4.27	185	27.809	30.159	32.482	37.051	30.3	0.255	1465.3	642
700	1.271	1.234	3.705	3.178	34.729	4.30	187	27.811	30.162	32.486	37.056	30.2	0.270	1466.0	691
750	1.240	1.201	3.711	3.147	34.728	4.32	188	27.813	30.164	32.489	37.059	30.1	0.285	1466.7	740
800	1.211	1.169	3.721	3.118	34.727	4.36	189	27.815	30.166	32.491	37.063	30.0	0.300	1467.4	790
850	1.171	1.126	3.717	3.078	34.726	4.42	192	27.817	30.169	32.495	37.067	29.9	0.315	1468.0	839
900	1.136	1.089	3.721	3.043	34.725	4.47	194	27.819	30.171	32.498	37.071	29.8	0.330	1468.7	888
950	1.097	1.046	3.718	3.003	34.724	4.50	195	27.821	30.174	32.501	37.075	29.7	0.345	1469.3	937
998	1.075	1.022	3.733	2.981	34.723	4.51	196	27.822	30.175	32.502	37.078	29.6	0.359	1470.0	985

SHCRUS NP9405	STNM 61U	YR/MO/DA 94/10/05	GTIME 14:03	LATITUDE -70.998	LONGITUDE -152.801	DEPTH 4340	HT	BARO 972	WIND 245	WNS 9	AIRTM -11.7				
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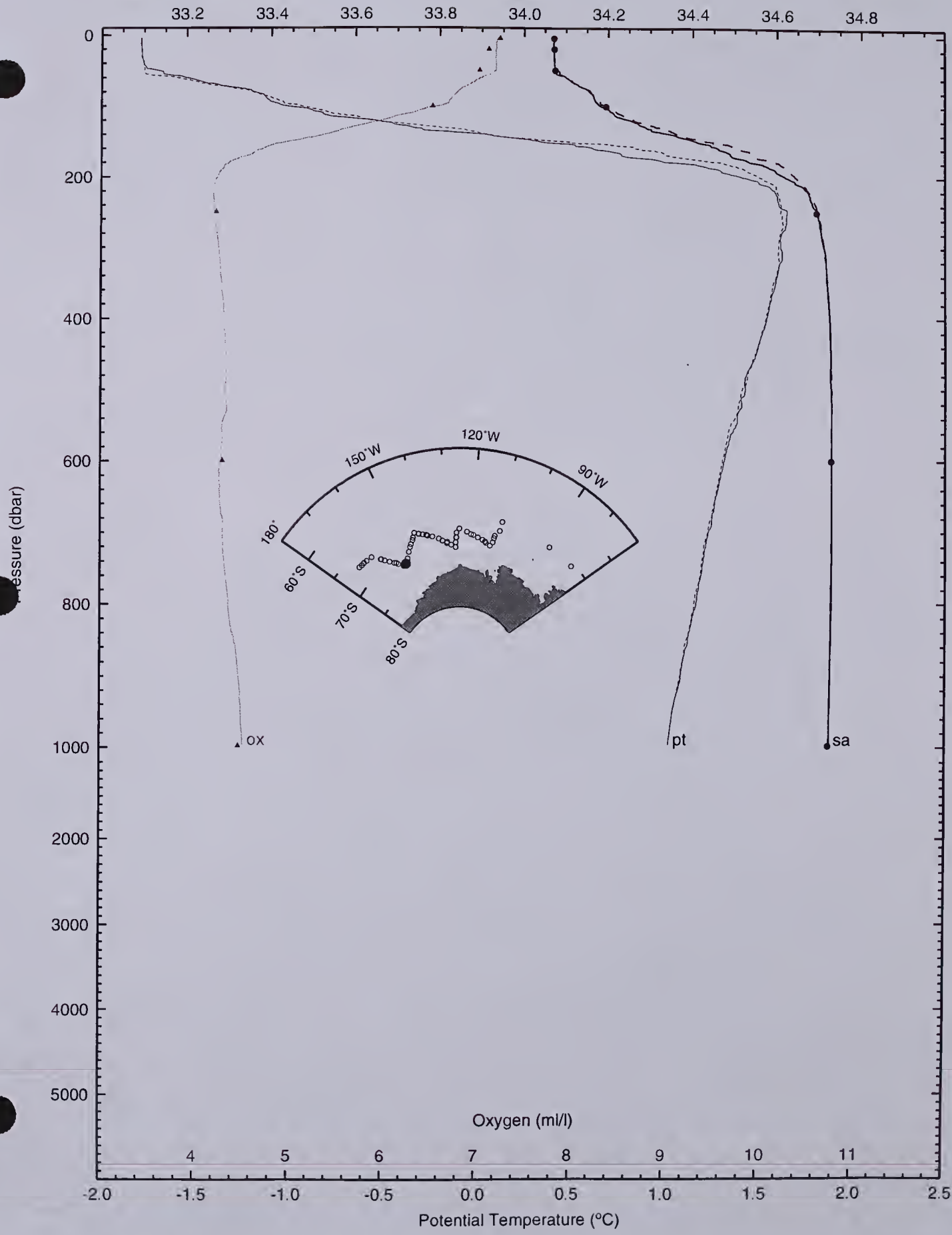
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DEPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uamt	pM/kg	pM/kg	pM/kg		m
5	-1.794	34.071	34.070	7.24	314	48.5	2.01	27.2	2189	483				14	5
20	-1.792	34.071	34.071	7.12	313	48.0	2.01	27.2	2190	482				12	20
50	-1.776	34.072	34.073	7.02	312	48.1	2.00	27.2	2187	483				10	50
101	-0.937	34.194	34.194	6.52	284	56.1	2.12	28.9	2203	515				8	100
250	1.629	34.693	34.692	4.22	183	89.9	2.32	32.5	2254	615				6	248
600	1.341	34.728	34.728	4.29	186	104.9	2.31	32.2	2259	601				4	593
998	1.075	34.723	34.721	4.47	196	115.2	2.28	32.1	2260	588				2	985

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DEPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.793	-1.793	0.079	0.076	34.070	7.22	314	27.425	29.824	32.197	36.861	64.5	0.003	1439.5	3
10	-1.794	-1.794	0.082	0.075	34.070	7.20	313	27.425	29.824	32.197	36.861	64.4	0.006	1439.6	9
20	-1.792	-1.792	0.092	0.077	34.071	7.20	313	27.425	29.824	32.197	36.861	64.4	0.013	1439.8	19
30	-1.789	-1.789	0.103	0.080	34.071	7.20	313	27.425	29.824	32.197	36.861	64.3	0.019	1440.0	29
40	-1.778	-1.779	0.121	0.091	34.072	7.20	313	27.426	29.825	32.197	36.861	64.2	0.026	1440.2	39
50	-1.774	-1.775	0.133	0.095	34.072	7.19	313	27.426	29.825	32.197	36.861	64.1	0.032	1440.4	49
60	-1.607	-1.608	0.309	0.264	34.096	7.05	306	27.441	29.837	32.207	36.865	62.6	0.039	1441.4	59
70	-1.424	-1.425	0.501	0.448	34.127	6.91	301	27.460	29.854	32.220	36.872	60.8	0.045	1442.4	69
80	-1.202	-1.204	0.732	0.672	34.157	6.79	295	27.477	29.867	32.230	36.875	59.2	0.051	1443.7	79
90	-1.081	-1.083	0.862	0.794	34.175	6.72	292	27.487	29.875	32.236	36.877	58.2	0.057	1444.5	89
100	-0.947	-0.950	1.004	0.929	34.193	6.59	287	27.497	29.883	32.241	36.879	57.3	0.062	1445.3	98
125	-0.432	-0.436	1.543	1.449	34.285	5.85	254	27.550	29.928	32.278	36.899	52.4	0.076	1448.2	123
150	0.419	0.413	2.422	2.309	34.433	5.03	219	27.626	29.989	32.327	36.922	45.6	0.088	1452.7	148
175	1.152	1.144	3.181	3.049	34.567	4.45	193	27.688	30.040	32.366	36.940	40.1	0.099	1456.6	173
200	1.518	1.508	3.570	3.420	34.644	4.23	184	27.724	30.071	32.391	36.954	37.0	0.108	1458.8	197
225	1.617	1.606	3.690	3.521	34.677	4.19	182	27.743	30.089	32.408	36.968	35.3	0.117	1459.7	222
250	1.633	1.620	3.726	3.538	34.694	4.20	183	27.755	30.101	32.419	36.979	34.2	0.126	1460.2	247
275	1.634	1.620	3.747	3.539	34.704	4.22	184	27.764	30.109	32.428	36.987	33.6	0.135	1460.6	271
30															

Latitude 71 00 S  
Longitude 152 49 W

Salinity

NP9405 061



SHCRUS NP9405	STNM 62D	YR/MO/DA 94/10/05	GTIME 20:34	LATITUDE -71.213	LONGITUDE -153.111	DPTH 4340	HT	BARO 976	WND 234	WNS 5	AIRTM -12.0				
PRES	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD psa	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.781	-1.781	0.092	0.088	34.062	7.09	308	27.418	29.817	32.189	36.853	65.1	0.003	1439.6	4
10	-1.780	-1.781	0.096	0.089	34.062	7.09	308	27.418	29.817	32.189	36.853	65.1	0.007	1439.7	9
20	-1.781	-1.782	0.103	0.088	34.063	7.08	308	27.418	29.817	32.190	36.853	65.0	0.013	1439.8	19
30	-1.780	-1.780	0.111	0.089	34.063	7.06	307	27.419	29.818	32.190	36.853	64.9	0.020	1440.0	29
40	-1.777	-1.777	0.122	0.092	34.063	7.05	307	27.419	29.818	32.190	36.854	64.8	0.026	1440.2	39
50	-1.778	-1.779	0.129	0.091	34.063	7.04	306	27.419	29.818	32.190	36.854	64.8	0.032	1440.3	49
60	-1.756	-1.757	0.158	0.113	34.065	7.01	305	27.419	29.818	32.190	36.853	64.7	0.039	1440.6	59
70	-1.648	-1.650	0.274	0.222	34.079	6.97	303	27.428	29.825	32.195	36.855	63.8	0.045	1441.3	69
80	-1.602	-1.604	0.328	0.268	34.089	6.86	298	27.435	29.831	32.200	36.858	63.1	0.052	1441.7	79
90	-1.451	-1.453	0.488	0.420	34.112	6.71	292	27.449	29.843	32.209	36.863	61.8	0.058	1442.6	89
100	-1.330	-1.333	0.819	0.744	34.160	6.46	281	27.477	29.866	32.228	36.871	59.1	0.064	1444.4	98
125	-0.789	-0.793	1.182	1.088	34.217	5.90	256	27.510	29.893	32.249	36.882	56.0	0.079	1446.5	123
150	0.180	0.175	2.180	2.067	34.379	5.04	219	27.596	29.963	32.304	36.907	48.3	0.092	1451.6	148
175	1.115	1.107	3.142	3.011	34.542	4.37	190	27.670	30.023	32.350	36.925	41.7	0.103	1456.4	173
200	1.538	1.528	3.591	3.440	34.639	4.12	179	27.718	30.065	32.385	36.947	37.5	0.113	1458.8	197
225	1.727	1.715	3.800	3.631	34.682	4.01	174	27.739	30.083	32.400	36.957	35.8	0.122	1460.1	222
250	1.711	1.698	3.804	3.616	34.693	4.04	175	27.750	30.094	32.411	36.968	34.9	0.131	1460.5	247
275	1.663	1.649	3.775	3.568	34.695	4.07	177	27.754	30.099	32.417	36.976	34.5	0.139	1460.7	271
300	1.660	1.644	3.791	3.565	34.707	4.09	178	27.764	30.109	32.427	36.986	33.6	0.148	1461.1	296
325	1.661	1.644	3.812	3.567	34.714	4.11	179	27.770	30.115	32.433	36.992	33.2	0.156	1461.5	321
350	1.627	1.609	3.796	3.533	34.718	4.13	180	27.776	30.122	32.440	37.000	32.7	0.164	1461.8	346
375	1.601	1.582	3.790	3.507	34.722	4.15	181	27.781	30.127	32.446	37.006	32.3	0.173	1462.1	370
400	1.586	1.565	3.794	3.492	34.723	4.16	181	27.783	30.129	32.449	37.009	32.2	0.181	1462.4	395
425	1.548	1.526	3.775	3.455	34.725	4.17	181	27.788	30.134	32.454	37.015	31.8	0.189	1462.7	420
450	1.523	1.500	3.769	3.430	34.726	4.18	182	27.791	30.137	32.458	37.020	31.6	0.196	1463.0	444
475	1.499	1.474	3.763	3.406	34.728	4.20	182	27.794	30.141	32.462	37.025	31.4	0.204	1463.3	469
500	1.481	1.455	3.765	3.388	34.729	4.20	183	27.796	30.143	32.464	37.028	31.3	0.212	1463.6	494
550	1.435	1.406	3.756	3.342	34.730	4.23	184	27.800	30.148	32.470	37.035	31.0	0.228	1464.2	543
600	1.381	1.350	3.740	3.288	34.730	4.24	184	27.805	30.153	32.476	37.042	30.7	0.243	1464.8	592
650	1.339	1.305	3.735	3.246	34.730	4.24	184	27.807	30.157	32.480	37.048	30.5	0.258	1465.5	642
700	1.300	1.263	3.734	3.207	34.729	4.20	183	27.810	30.160	32.484	37.052	30.4	0.274	1466.1	691
750	1.259	1.220	3.730	3.166	34.728	4.20	183	27.812	30.163	32.487	37.057	30.2	0.289	1466.8	740
800	1.219	1.177	3.728	3.126	34.728	4.25	185	27.815	30.166	32.491	37.062	30.1	0.304	1467.4	790
850	1.193	1.149	3.740	3.100	34.727	4.32	188	27.816	30.168	32.493	37.065	30.0	0.319	1468.1	839
900	1.157	1.109	3.741	3.064	34.725	4.35	189	27.817	30.170	32.496	37.069	30.0	0.334	1468.8	888
950	1.112	1.061	3.733	3.018	34.724	4.36	189	27.820	30.173	32.499	37.074	29.8	0.349	1469.4	937
998	1.081	1.028	3.739	2.987	34.723	4.38	190	27.821	30.175	32.502	37.077	29.7	0.363	1470.0	985

SHCRUS NP9405	STNM 62U	YR/MO/DA 94/10/05	GTIME 21:20	LATITUDE -71.210	LONGITUDE -153.099	DPTH 4340	HT	BARO 976	WND 234	WNS 5	AIRTM -12.0				
PRES	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD psa	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
6	-1.744	-1.744	0.129	0.125	34.069	7.08	308	27.422	29.821	32.192	36.855	64.7	0.004	1439.8	5
10	-1.741	-1.741	0.136	0.128	34.069	7.09	308	27.423	29.821	32.193	36.855	64.6	0.006	1439.9	9
20	-1.738	-1.738	0.146	0.131	34.070	7.08	308	27.423	29.821	32.193	36.855	64.6	0.013	1440.1	19
30	-1.742	-1.742	0.150	0.127	34.069	7.06	307	27.423	29.821	32.193	36.855	64.5	0.019	1440.2	29
40	-1.737	-1.738	0.162	0.132	34.070	7.05	307	27.423	29.821	32.193	36.855	64.5	0.026	1440.4	39
50	-1.740	-1.741	0.167	0.129	34.069	7.04	306	27.423	29.821	32.193	36.855	64.4	0.032	1440.5	49
60	-1.690	-1.691	0.225	0.179	34.077	7.01	305	27.428	29.825	32.196	36.857	63.9	0.039	1440.9	59
70	-1.673	-1.675	0.249	0.197	34.081	6.97	303	27.430	29.828	32.198	36.858	63.6	0.045	1441.2	69
80	-1.578	-1.579	0.353	0.293	34.100	6.86	298	27.443	29.839	32.208	36.865	62.3	0.051	1441.8	79
90	-1.448	-1.450	0.492	0.424	34.121	6.71	292	27.456	29.850	32.216	36.870	61.1	0.058	1442.6	89
100	-1.168	-1.171	0.782	0.707	34.167	6.46	281	27.484	29.873	32.236	36.880	58.4	0.064	1444.2	98
125	-0.615	-0.619	1.359	1.265	34.256	5.90	256	27.535	29.915	32.269	36.895	53.7	0.078	1447.3	123
150	0.356	0.350	2.358	2.245	34.423	5.04	219	27.621	29.986	32.324	36.921	46.0	0.090	1452.4	148
175	1.137	1.129	3.166	3.034	34.559	4.37	190	27.682	30.035	32.361	36.935	40.6	0.101	1456.6	173
200	1.448	1.438	3.500	3.349	34.633	4.12	179	27.720	30.068	32.390	36.954	37.3	0.111	1458.4	197
225	1.714	1.702	3.787	3.618	34.680	4.01	174	27.739	30.083	32.400	36.957	35.8	0.120	1460.1	222
250	1.697	1.684	3.790	3.602	34.693	4.04	175	27.750	30.094	32.412	36.969	34.8	0.129	1460.4	247
275	1.655	1.641	3.767	3.560	34.699	4.07	177	27.758	30.103	32.421	36.980	34.1	0.137	1460.7	271
300	1.655	1.639	3.786	3.561	34.709	4.09	178	27.766	30.111	32.430	36.988	33.4	0.146	1461.1	296
325	1.655	1.638	3.806	3.561	34.715	4.11	179	27.771	30.116	32.434	36.993	33.1	0.154	1461.5	321
350	1.616	1.598	3.786	3.522	34.719	4.13	180	27.777	30.123	32.442	37.001	32.6	0.162	1461.8	346
375	1.599	1.579	3.788	3.505	34.721	4.15	181	27.781	30.126	32.445	37.005	32.4	0.170	1462.1	370
400	1.578	1.557	3.785	3.484	34.723	4.16	181	27.784	30.130	32.449	37.010	32.1	0.178	1462.4	395
425	1.542	1.520	3.769	3.449	34.725	4.17	181	27.788	30.134	32.454	37.016	31.8	0.186	1462.7	420
450	1.526	1.503	3.772	3.433	34.726	4.18	182	27.790	30.137	32.457	37.019	31.7	0.194	1463.0	444
475	1.497	1.472	3.761	3.404	34.727	4.20	182	27.793	30.140	32.461	37.024	31.5	0.202	1463.3	469
500	1.478	1.452	3.762	3.385	34.728	4.20	183	27.796	30.143	32.464	37.027	31.3	0.210	1463.6	494
550	1.429	1.400	3.750	3.336	34.729	4.23	184	27.800	30.148	32.470	37.035	31.0	0.226	1464.2	543
600	1.379	1.348	3.738	3.286	34.730	4.24	184	27.804	30.153	32.475	37.042	30.7	0.241	1464.8	592
650	1.336	1.302	3.732	3.243	34.729	4.24	184	27.807	30.157	32.480	37.048	30.5	0.256	1465.4	642
700	1.296	1.259	3.729	3.203	34.728	4.20	183	27.810	30.160	32.483	37.052	30.4	0.271	1466.1	691
750	1.254	1.215	3.726	3.161	34.728	4.20	183	27.812	30.163	32.487	37.057	30.2	0.287	1466.7	740
800	1.216	1.174	3.725	3.123	34.727	4.25	185	27.814	30.166	32.491	37.062	30.1	0.302	1467.4	790
850	1.185	1.141	3.732	3.092	34.726	4.32	188	27.816	30.168	32.493	37.066	30.0			

Latitude 71 13 S  
Longitude 153 07 W

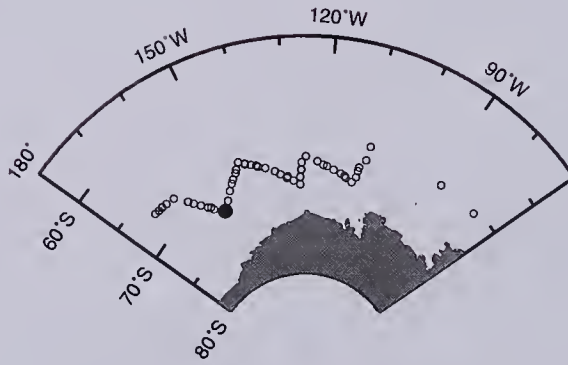
Salinity

NP9405 062

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM																
NP9405	63D	94/10/05	21:23	-71.210	-153.099	4340		976	234	5	-12.0	PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
												dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
												6	-1.733	-1.733	0.141	0.136	34.071	6.97	303	27.424	29.822	32.194	36.856	64.6	0.004	1439.9	5
												10	-1.736	-1.736	0.141	0.133	34.071	6.97	303	27.424	29.822	32.194	36.856	64.5	0.006	1439.9	9
												20	-1.747	-1.747	0.137	0.122	34.070	6.96	302	27.423	29.822	32.193	36.856	64.5	0.013	1440.0	19
												30	-1.744	-1.744	0.148	0.125	34.070	6.95	302	27.424	29.822	32.194	36.856	64.5	0.019	1440.2	29
												40	-1.733	-1.734	0.166	0.136	34.071	6.94	302	27.424	29.823	32.194	36.856	64.3	0.026	1440.4	39
												50	-1.724	-1.725	0.183	0.145	34.073	6.93	301	27.425	29.823	32.194	36.856	64.2	0.032	1440.6	49
												60	-1.711	-1.712	0.204	0.158	34.074	6.90	300	27.426	29.824	32.195	36.857	64.0	0.039	1440.8	59
												70	-1.690	-1.691	0.232	0.179	34.077	6.87	299	27.427	29.825	32.196	36.857	63.8	0.045	1441.1	69
												80	-1.588	-1.590	0.342	0.282	34.095	6.77	294	27.440	29.836	32.204	36.862	62.7	0.051	1441.8	79
												90	-1.415	-1.417	0.525	0.457	34.120	6.54	284	27.454	29.847	32.214	36.866	61.3	0.058	1442.8	89
												100	-1.274	-1.276	0.675	0.599	34.141	6.28	273	27.467	29.858	32.222	36.869	60.0	0.064	1443.7	98
												125	-0.732	-0.736	1.240	1.146	34.226	5.70	248	27.516	29.898	32.253	36.884	55.5	0.078	1446.7	123
												150	0.178	0.172	2.178	2.065	34.379	4.84	211	27.596	29.964	32.304	36.907	48.3	0.091	1451.6	148
												175	1.060	1.052	3.087	2.956	34.536	4.29	187	27.669	30.023	32.350	36.926	41.8	0.102	1456.2	173
												200	1.493	1.483	3.545	3.394	34.635	4.05	176	27.718	30.066	32.387	36.950	37.4	0.112	1458.6	197
												225	1.706	1.694	3.779	3.610	34.683	4.02	175	27.741	30.086	32.403	36.960	35.5	0.121	1460.1	222
												250	1.678	1.665	3.771	3.583	34.695	4.03	175	27.753	30.098	32.416	36.974	34.5	0.130	1460.4	247
												275	1.654	1.639	3.766	3.559	34.702	4.05	176	27.760	30.105	32.424	36.982	33.9	0.138	1460.7	271
												300	1.652	1.636	3.783	3.558	34.711	4.07	177	27.768	30.113	32.432	36.990	33.3	0.147	1461.1	296
												325	1.655	1.638	3.805	3.561	34.717	4.09	178	27.773	30.117	32.436	36.994	33.0	0.155	1461.5	321
												350	1.626	1.608	3.796	3.532	34.719	4.10	178	27.777	30.122	32.441	37.000	32.6	0.163	1461.8	346
												375	1.599	1.580	3.788	3.505	34.722	4.12	179	27.782	30.127	32.446	37.006	32.3	0.171	1462.1	370
												400	1.582	1.561	3.790	3.488	34.724	4.14	180	27.784	30.130	32.450	37.010	32.1	0.179	1462.4	395
												425	1.557	1.534	3.783	3.464	34.726	4.16	181	27.788	30.134	32.454	37.015	31.9	0.187	1462.7	420
												450	1.529	1.505	3.774	3.436	34.727	4.16	181	27.791	30.138	32.458	37.020	31.6	0.195	1463.0	444
												475	1.502	1.477	3.766	3.409	34.728	4.17	181	27.794	30.141	32.462	37.024	31.4	0.203	1463.3	469
												500	1.474	1.448	3.757	3.381	34.729	4.19	182	27.797	30.144	32.465	37.029	31.2	0.211	1463.6	494
												550	1.431	1.402	3.752	3.338	34.730	4.21	183	27.801	30.149	32.471	37.036	30.9	0.227	1464.2	543
												600	1.386	1.354	3.744	3.293	34.730	4.21	183	27.804	30.153	32.475	37.042	30.7	0.242	1464.8	592
												650	1.342	1.308	3.738	3.249	34.730	4.22	183	27.807	30.157	32.480	37.047	30.5	0.257	1465.5	642
												700	1.307	1.270	3.741	3.214	34.729	4.19	182	27.809	30.160	32.483	37.052	30.4	0.272	1466.1	691
												750	1.264	1.224	3.735	3.171	34.729	4.20	182	27.812	30.163	32.487	37.057	30.2	0.288	1466.8	740
												800	1.215	1.173	3.724	3.122	34.728	4.22	183	27.815	30.166	32.491	37.063	30.0	0.303	1467.4	790
												850	1.189	1.144	3.735	3.096	34.727	4.28	186	27.816	30.168	32.494	37.066	30.0	0.318	1468.1	839
												900	1.157	1.109	3.741	3.064	34.726	4.32	188	27.818	30.170	32.496	37.069	29.9	0.333	1468.8	888
												950	1.119	1.068	3.741	3.026	34.725	4.34	189	27.820	30.173	32.499	37.073	29.8	0.348	1469.4	937
												998	1.088	1.035	3.746	2.994	34.724	4.38	190	27.821	30.175	32.501	37.077	29.7	0.362	1470.1	985

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM																
NP9405	63U	94/10/05	22:10	-71.208	-153.089	4340		976	234	5	-12.0	PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
												dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
												8	-1.756	-1.756	0.119	0.113	34.067	6.97	303	27.421	29.820	32.191	36.854	64.8	0.005	1439.8	7
												10	-1.756	-1.756	0.120	0.113	34.066	6.97	303	27.421	29.820	32.191	36.854	64.8	0.006	1439.8	9
												20	-1.755	-1.755	0.129	0.114	34.067	6.96	302	27.421	29.820	32.191	36.854	64.8	0.013	1440.0	19
												30	-1.752	-1.752	0.139	0.117	34.067	6.95	302	27.421	29.820	32.191	36.854	64.7	0.019	1440.1	29
												40	-1.752	-1.752	0.147	0.117	34.067	6.94	302	27.421	29.820	32.191	36.854	64.6	0.026	1440.3	39
												50	-1.750	-1.751	0.156	0.119	34.067	6.93	301	27.421	29.820	32.191	36.854	64.6	0.032	1440.5	49
												60	-1.748	-1.749	0.166	0.121	34.068	6.90	300	27.422	29.820	32.192	36.855	64.4	0.039	1440.7	59
												70	-1.745	-1.746	0.177	0.124	34.069	6.87	299	27.422	29.821	32.193	36.855	64.3	0.045	1440.8	69
												80	-1.708	-1.710	0.221	0.162	34.080	6.77	294	27.430	29.828	32.199	36.860	63.5	0.052	1441.2	79
												90	-1.359	-1.361	0.582	0.514	34.134	6.54	284	27.464	29.856	32.222	36.872	60.3	0.058	1441.8	89
												100	-1.050	-1.053	0.900	0.825	34.183	6.28	273	27.493	29.880	32.241	36.881	57.6	0.064	1444.8	98
												125	-0.505	-0.509	1.470	1.376	34.277	5.70	248	27.547	29.926	32.277	36.901	52.6	0.078	1447.9	123
												150	0.535	0.528	2.538	2.426	34.449	4.84	211	27.632	29.994	32.329	36.921	45.0	0.090	1453.3	148
												175	1.234	1.226	3.264	3.132	34.578	4.29	187	27.691	30.042	32.367	36.938	39.8	0.101	1457.0	173
												200	1.539	1.529	3.592	3.441	34.648	4.05	176	27.726	30.073	32.393	36.955	36.8	0.110	1458.9	197
												225	1.651	1.640	3.725	3.555	34.680	4.02	175	27.743	30.088	32.407	36.966	35.3	0.119	1459.8	222
												250	1.667	1.654	3.760	3.572	34.694	4.03	175	27.753	30.098	32.417	36.975	34.4	0.128	1460.3	247

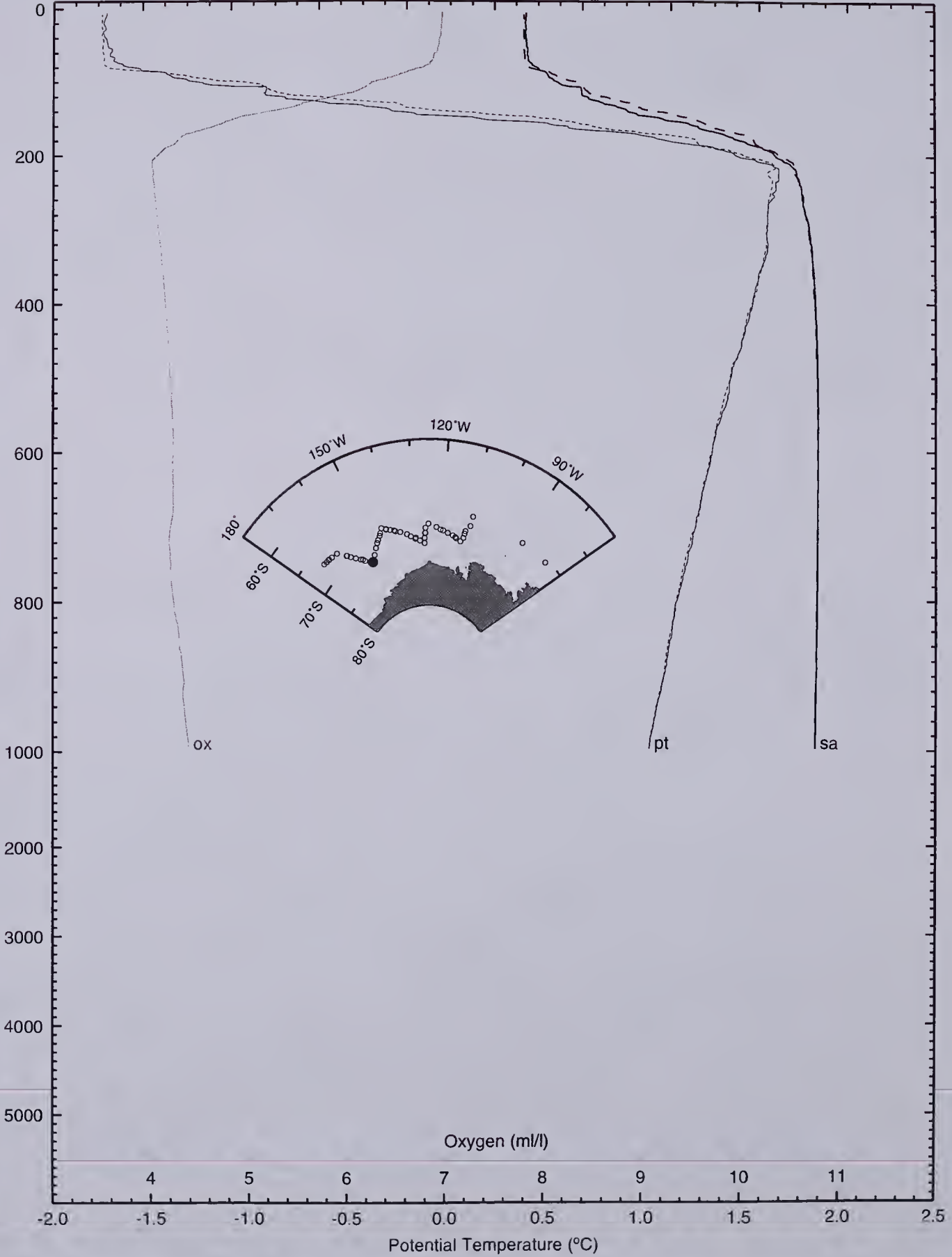
Latitude 71 13 S  
Longitude 153 06 W

Salinity

NP9405 063

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 64D	YR/MO/DA 94/10/05	GTIME 22:11	LATITUDE -71.208	LONGITUDE -153.089	DPTH 4340	HT	BARO 976	WND 234	WNS 5	AIRTM -12.0							
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD ps	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA-5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m			
8	-1.759	-1.759	0.116	0.110	34.067	6.83	297	27.422	29.820	32.192	36.855	64.8	0.005	1439.8	7			
10	-1.758	-1.758	0.118	0.111	34.067	6.82	297	27.422	29.820	32.192	36.855	64.8	0.006	1439.8	9			
20	-1.761	-1.761	0.123	0.108	34.067	6.81	296	27.422	29.820	32.192	36.855	64.7	0.013	1439.9	19			
30	-1.760	-1.760	0.132	0.109	34.067	6.79	295	27.422	29.820	32.192	36.855	64.6	0.019	1440.1	29			
40	-1.763	-1.764	0.136	0.106	34.067	6.77	294	27.422	29.821	32.192	36.856	64.6	0.026	1440.3	39			
50	-1.762	-1.763	0.144	0.107	34.067	6.73	293	27.422	29.820	32.192	36.855	64.5	0.032	1440.4	49			
60	-1.755	-1.756	0.159	0.114	34.068	6.62	288	27.422	29.821	32.192	36.855	64.4	0.039	1440.6	59			
70	-1.745	-1.746	0.177	0.124	34.069	6.53	284	27.423	29.821	32.193	36.855	64.3	0.045	1440.8	69			
80	-1.634	-1.636	0.296	0.236	34.086	6.46	281	27.433	29.830	32.200	36.859	63.3	0.052	1441.5	79			
90	-1.480	-1.482	0.459	0.391	34.109	6.33	275	27.448	29.842	32.209	36.863	61.9	0.058	1442.5	89			
100	-1.133	-1.135	0.817	0.741	34.161	6.02	262	27.478	29.867	32.228	36.872	59.0	0.064	1444.4	98			
125	-0.444	-0.448	1.531	1.437	34.272	5.43	236	27.540	29.918	32.268	36.890	53.3	0.078	1448.1	123			
150	0.275	0.269	2.276	2.163	34.396	4.87	212	27.604	29.970	32.309	36.909	47.6	0.091	1452.0	148			
175	0.834	0.826	2.859	2.728	34.502	4.33	188	27.657	30.014	32.345	36.928	42.9	0.102	1455.1	173			
200	1.309	1.299	3.359	3.208	34.596	4.04	176	27.700	30.050	32.374	36.943	39.1	0.112	1457.8	197			
225	1.650	1.639	3.723	3.553	34.672	4.01	174	27.737	30.082	32.400	36.959	35.9	0.122	1459.8	222			
250	1.673	1.660	3.766	3.578	34.691	4.02	175	27.750	30.095	32.413	36.971	34.7	0.130	1460.3	247			
275	1.655	1.640	3.767	3.559	34.700	4.04	176	27.759	30.104	32.423	36.981	34.0	0.139	1460.7	271			
300	1.653	1.637	3.784	3.558	34.708	4.06	176	27.766	30.111	32.429	36.988	33.5	0.147	1461.1	296			
325	1.652	1.635	3.802	3.558	34.714	4.08	177	27.771	30.115	32.434	36.992	33.2	0.156	1461.5	321			
350	1.632	1.614	3.802	3.538	34.719	4.10	178	27.777	30.122	32.441	37.000	32.7	0.164	1461.8	346			
375	1.600	1.581	3.789	3.506	34.722	4.12	179	27.782	30.127	32.446	37.006	32.3	0.172	1462.1	370			
400	1.578	1.557	3.786	3.484	34.725	4.14	180	27.785	30.131	32.451	37.011	32.0	0.180	1462.4	395			
425	1.551	1.529	3.778	3.458	34.726	4.15	181	27.788	30.135	32.455	37.016	31.8	0.188	1462.7	420			
450	1.534	1.510	3.779	3.441	34.727	4.16	181	27.791	30.137	32.457	37.019	31.6	0.196	1463.0	444			
475	1.509	1.485	3.774	3.416	34.728	4.17	181	27.793	30.140	32.461	37.023	31.5	0.204	1463.3	469			
500	1.481	1.455	3.764	3.388	34.730	4.19	182	27.797	30.144	32.465	37.028	31.2	0.212	1463.6	494			
550	1.423	1.394	3.744	3.330	34.731	4.21	183	27.802	30.150	32.472	37.037	30.8	0.227	1464.2	543			
600	1.383	1.352	3.742	3.290	34.731	4.24	184	27.805	30.154	32.476	37.042	30.7	0.243	1464.8	592			
650	1.347	1.313	3.744	3.254	34.730	4.23	184	27.807	30.157	32.480	37.047	30.5	0.258	1465.5	642			
700	1.304	1.267	3.737	3.211	34.730	4.22	184	27.810	30.160	32.484	37.052	30.3	0.273	1466.1	691			
750	1.255	1.216	3.727	3.162	34.729	4.21	183	27.813	30.164	32.488	37.058	30.2	0.288	1466.7	740			
800	1.217	1.175	3.726	3.124	34.728	4.24	184	27.815	30.166	32.491	37.062	30.0	0.303	1467.4	790			
850	1.176	1.131	3.722	3.083	34.727	4.28	186	27.817	30.169	32.495	37.067	29.9	0.318	1468.0	839			
900	1.145	1.097	3.729	3.052	34.726	4.33	188	27.819	30.171	32.497	37.071	29.8	0.333	1468.7	888			
950	1.113	1.063	3.735	3.020	34.725	4.38	190	27.820	30.173	32.500	37.074	29.7	0.348	1469.4	937			
1000	1.095	1.042	3.754	3.001	34.724	4.42	192	27.821	30.174	32.501	37.076	29.7	0.363	1470.1	987			
1002	1.094	1.040	3.755	3.000	34.724	4.42	192	27.821	30.174	32.501	37.076	29.7	0.364	1470.2	989			

SHCRUS NP9405	STNM 64U	YR/MO/DA 94/10/05	GTIME 22:55	LATITUDE -71.207	LONGITUDE -153.082	DPTH 4340	HT	BARO 976	WND 234	WNS 5	AIRTM -12.0							
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD ps	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA-5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m			
10	-1.774	-1.775	0.102	0.095	34.065	6.82	297	27.420	29.819	32.191	36.855	64.9	0.006	1439.7	9			
20	-1.776	-1.777	0.107	0.093	34.064	6.81	296	27.420	29.819	32.191	36.854	64.9	0.013	1439.9	19			
30	-1.779	-1.779	0.113	0.090	34.063	6.79	295	27.419	29.818	32.190	36.854	64.9	0.019	1440.0	29			
40	-1.772	-1.773	0.127	0.097	34.065	6.77	294	27.420	29.819	32.191	36.855	64.7	0.026	1440.2	39			
50	-1.742	-1.744	0.164	0.127	34.069	6.73	293	27.423	29.821	32.193	36.855	64.4	0.032	1440.5	49			
60	-1.592	-1.593	0.324	0.278	34.096	6.62	288	27.440	29.836	32.205	36.863	62.7	0.039	1441.4	59			
70	-1.440	-1.441	0.484	0.432	34.115	6.53	284	27.451	29.845	32.211	36.864	61.7	0.045	1442.3	69			
80	-1.426	-1.428	0.506	0.446	34.118	6.46	281	27.453	29.846	32.213	36.865	61.4	0.051	1442.6	79			
90	-1.377	-1.379	0.563	0.495	34.128	6.33	275	27.460	29.852	32.218	36.869	60.7	0.057	1443.0	89			
100	-1.040	-1.043	0.911	0.836	34.188	6.02	262	27.497	29.884	32.244	36.884	57.3	0.063	1444.8	98			
125	-0.294	-0.298	1.683	1.589	34.309	5.43	236	27.563	29.938	32.286	36.903	51.2	0.077	1448.9	123			
150	0.367	0.361	2.369	2.256	34.425	4.87	212	27.622	29.987	32.325	36.922	45.9	0.089	1452.5	148			
175	1.050	1.042	3.078	2.946	34.548	4.33	188	27.679	30.033	32.361	36.937	40.8	0.100	1456.1	173			
200	1.573	1.563	3.626	3.475	34.652	4.04	176	27.727	30.073	32.393	36.954	36.7	0.109	1459.0	197			
225	1.640	1.629	3.713	3.544	34.675	4.01	174	27.740	30.085	32.404	36.963	35.6	0.118	1459.8	222			
250	1.653	1.640	3.746	3.558	34.691	4.02	175	27.752	30.096	32.415	36.974	34.6	0.127	1460.2	247			
275	1.653	1.639	3.765	3.558	34.699	4.04	176	27.758	30.103	32.422	36.980	34.1	0.136	1460.7	271			
300	1.649	1.634	3.780	3.554	34.706	4.06	176	27.764	30.109	32.428	36.987	33.6	0.144	1461.1	296			
325	1.650	1.633	3.801	3.556	34.712	4.08	177	27.769	30.114	32.432	36.991	33.3	0.152	1461.5	321			
350	1.629	1.611	3.799	3.535	34.718	4.10	178	27.776	30.121	32.440	36.999	32.7	0.161	1461.8	346			
375	1.602	1.583	3.791	3.508	34.721	4.12	179	27.780	30.126	32.445	37.005	32.4	0.169	1462.1	370			
400	1.580	1.560	3.788	3.486	34.723	4.14	180	27.784	30.129	32.449	37.009	32.2	0.177	1462.4	395			
425	1.555	1.532	3.781	3.462	34.725	4.15	181	27.787	30.134	32.453	37.015	31.9	0.185	1462.7	420			
450	1.534	1.511	3.780	3.441	34.726	4.16	181	27.790	30.136	32.456	37.018	31.7	0.193	1463.0	444			
475	1.506	1.481	3.770	3.413	34.727	4.17	181	27.793	30.139	32.460	37.023	31.5	0.201	1463.3	469			
500	1.476	1.450	3.759	3.383	34.729	4.19	182	27.796	30.144	32.465	37.028	31.2	0.209	1463.6	494			
550	1.422	1.393	3.743	3.329	34.730	4.21	183	27.801	30.149	32.471	37.036	30.9	0.224	1464.2	543			
600	1.381	1.349	3.739	3.288	34.730	4.24	184											

Latitude 71 12 S  
Longitude 153 05 W

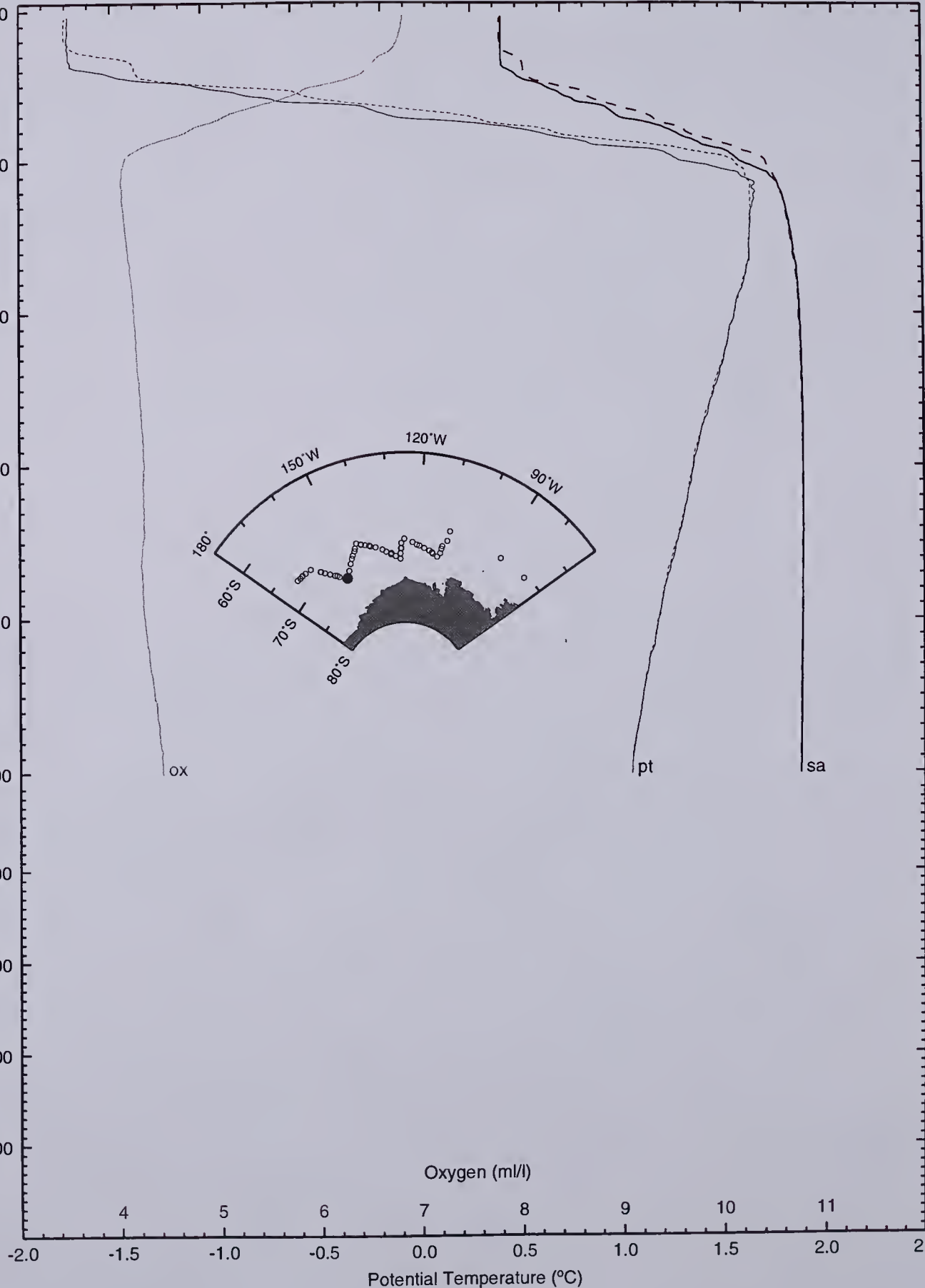
Salinity

NP9405 064

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	66D	94/10/05	23:43	-71.205	-157.075	4340		976	234	5	-12.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYPUP	OXYPUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTM
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
11	-1.788	-1.788	0.089	0.081	34.064	6.84	298	27.420	29.819	32.191	36.855	64.9	0.007	1439.7	10
20	-1.786	-1.787	0.097	0.083	34.064	6.84	297	27.420	29.819	32.191	36.855	64.9	0.013	1439.8	19
30	-1.784	-1.787	0.105	0.083	34.064	6.80	296	27.420	29.819	32.191	36.855	64.8	0.019	1440.0	29
40	-1.786	-1.785	0.115	0.085	34.065	6.79	295	27.420	29.819	32.191	36.855	64.7	0.026	1440.1	39
50	-1.691	-1.692	0.216	0.178	34.076	6.76	294	27.427	29.824	32.195	36.856	64.0	0.032	1440.8	49
60	-1.600	-1.601	0.315	0.270	34.090	6.69	291	27.436	29.832	32.201	36.859	63.1	0.039	1441.4	59
70	-1.558	-1.560	0.365	0.313	34.097	6.65	289	27.441	29.836	32.204	36.861	62.6	0.045	1441.8	69
80	-1.532	-1.534	0.399	0.339	34.101	6.55	285	27.443	29.838	32.206	36.862	62.4	0.051	1442.1	79
90	-1.513	-1.515	0.426	0.358	34.105	6.32	275	27.445	29.840	32.207	36.863	62.1	0.058	1442.3	89
100	-1.200	-1.203	0.748	0.674	34.149	6.04	262	27.471	29.861	32.223	36.869	59.7	0.064	1444.0	98
125	-0.327	-0.331	1.649	1.555	34.292	5.49	239	27.551	29.927	32.275	36.893	52.3	0.078	1448.7	123
150	0.144	0.139	2.144	2.031	34.377	4.95	215	27.596	29.964	32.306	36.909	48.2	0.090	1451.4	148
175	0.923	0.915	2.949	2.818	34.520	4.41	192	27.665	30.021	32.350	36.930	42.2	0.102	1455.5	173
200	1.407	1.397	3.458	3.307	34.612	4.17	181	27.706	30.055	32.377	36.943	38.6	0.112	1458.2	197
225	1.604	1.592	3.676	3.507	34.666	4.11	179	27.736	30.081	32.401	36.961	36.0	0.121	1459.6	222
250	1.648	1.635	3.741	3.553	34.691	4.12	179	27.752	30.097	32.416	36.975	34.5	0.130	1460.2	247
275	1.649	1.635	3.761	3.554	34.699	4.13	180	27.759	30.104	32.422	36.981	34.0	0.138	1460.6	271
300	1.646	1.630	3.777	3.552	34.708	4.15	181	27.767	30.112	32.430	36.989	33.4	0.147	1461.0	296
325	1.647	1.630	3.798	3.553	34.715	4.17	181	27.772	30.117	32.435	36.994	33.0	0.155	1461.5	321
350	1.622	1.603	3.791	3.528	34.720	4.20	182	27.778	30.123	32.442	37.001	32.5	0.163	1461.8	346
375	1.597	1.577	3.786	3.503	34.723	4.22	183	27.782	30.128	32.447	37.007	32.2	0.171	1462.1	370
400	1.573	1.552	3.781	3.480	34.725	4.24	184	27.786	30.132	32.452	37.012	31.9	0.179	1462.4	395
425	1.537	1.515	3.764	3.444	34.727	4.25	185	27.790	30.137	32.457	37.019	31.6	0.187	1462.6	420
450	1.515	1.492	3.761	3.422	34.728	4.26	185	27.793	30.139	32.460	37.022	31.4	0.195	1463.0	444
475	1.488	1.463	3.752	3.395	34.729	4.27	186	27.795	30.142	32.463	37.026	31.2	0.203	1463.2	469
500	1.463	1.437	3.746	3.370	34.730	4.29	186	27.798	30.146	32.467	37.031	31.0	0.211	1463.5	494
550	1.409	1.381	3.730	3.316	34.731	4.32	188	27.803	30.151	32.473	37.039	30.7	0.226	1464.1	543
600	1.380	1.349	3.739	3.287	34.731	4.33	188	27.805	30.154	32.477	37.043	30.6	0.242	1464.8	592
650	1.341	1.307	3.738	3.248	34.731	4.33	188	27.808	30.157	32.480	37.048	30.5	0.257	1465.5	642
700	1.299	1.262	3.733	3.206	34.730	4.34	188	27.811	30.161	32.484	37.053	30.3	0.272	1466.1	691
750	1.258	1.219	3.730	3.165	34.729	4.32	188	27.813	30.163	32.488	37.058	30.2	0.287	1466.8	740
800	1.237	1.195	3.746	3.144	34.728	4.34	189	27.814	30.165	32.490	37.060	30.2	0.302	1467.5	790
850	1.194	1.150	3.741	3.101	34.727	4.39	191	27.816	30.168	32.493	37.065	30.0	0.317	1468.1	839
900	1.156	1.109	3.741	3.063	34.726	4.43	193	27.818	30.171	32.496	37.070	29.9	0.332	1468.8	888
950	1.126	1.076	3.748	3.033	34.725	4.49	195	27.820	30.172	32.499	37.073	29.8	0.347	1469.5	937
999	1.102	1.049	3.761	3.008	34.725	4.53	197	27.821	30.174	32.501	37.076	29.8	0.362	1470.2	986

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	66U	94/10/06	00:26	-71.203	-153.067	4340		976	234	5	-12.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYPUP	OXYPUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.790	-1.790	0.083	0.079	34.062	6.86	298	27.418	29.818	32.190	36.854	65.1	0.004	1439.6	5
10	-1.790	-1.791	0.086	0.079	34.062	6.85	298	27.418	29.818	32.190	36.854	65.1	0.007	1439.6	9
20	-1.790	-1.790	0.094	0.079	34.062	6.84	297	27.418	29.817	32.190	36.854	65.0	0.013	1439.8	19
30	-1.788	-1.789	0.103	0.081	34.062	6.80	296	27.419	29.818	32.190	36.854	64.9	0.020	1440.0	29
40	-1.787	-1.788	0.112	0.082	34.063	6.79	295	27.419	29.818	32.190	36.854	64.8	0.026	1440.1	39
50	-1.782	-1.783	0.125	0.087	34.064	6.76	294	27.420	29.819	32.191	36.855	64.7	0.032	1440.3	49
60	-1.734	-1.735	0.180	0.135	34.071	6.69	291	27.424	29.822	32.193	36.856	64.2	0.039	1440.7	59
70	-1.703	-1.705	0.219	0.166	34.076	6.65	289	27.427	29.825	32.196	36.857	63.9	0.045	1441.0	69
80	-1.691	-1.692	0.239	0.179	34.081	6.55	285	27.431	29.829	32.199	36.860	63.4	0.052	1441.3	79
90	-1.476	-1.478	0.464	0.396	34.120	6.32	275	27.457	29.851	32.218	36.872	61.0	0.058	1442.5	89
100	-0.948	-0.950	1.004	0.928	34.198	6.04	262	27.501	29.887	32.245	36.883	56.9	0.064	1445.3	98
125	-0.288	-0.292	1.689	1.595	34.308	5.49	239	27.562	29.937	32.285	36.902	51.3	0.077	1448.9	123
150	0.292	0.286	2.294	2.181	34.420	4.95	215	27.622	29.988	32.327	36.926	45.8	0.090	1452.1	148
175	1.124	1.116	3.153	3.021	34.565	4.41	192	27.688	30.041	32.368	36.942	40.0	0.100	1456.5	173
200	1.486	1.476	3.538	3.387	34.635	4.17	181	27.719	30.066	32.387	36.951	37.4	0.110	1458.6	197
225	1.633	1.621	3.706	3.537	34.676	4.11	179	27.741	30.087	32.406	36.965	35.4	0.119	1459.7	222
250	1.652	1.639	3.744	3.557	34.691	4.12	179	27.752	30.097	32.415	36.974	34.6	0.128	1460.2	247
275	1.659	1.645	3.771	3.564	34.697	4.13	180	27.757	30.102	32.420	36.978	34.2	0.136	1460.7	271
300	1.649	1.633	3.780	3.554	34.705	4.15	181	27.764	30.109	32.427	36.986	33.7	0.145	1461.1	296
325	1.647	1.630	3.797	3.553	34.714	4.17	181	27.771	30.116	32.434	36.993	33.1	0.153	1461.5	321
350	1.623	1.605	3.793	3.529	34.718	4.20	182	27.776	30.121	32.440	37.000	32.7	0.161	1461.8	346
375	1.598	1.578	3.787	3.504	34.721	4.22	183	27.781	30.126	32.445	37.006	32.4	0.170	1462.1	370
400	1.574	1.553	3.781	3.480	34.724	4.24	184	27.785	30.131	32.450	37.011	32.0	0.178	1462.4	395
425	1.545	1.523	3.772	3.452	34.725	4.25	185	27.788	30.135	32.455	37.016	31.8	0.186	1462.7	420
450	1.512	1.489	3.758	3.419	34.727	4.26	185	27.792	30.139	32.459	37.022	31.5	0.193	1462.9	444
475	1.485	1.460	3.750	3.392	34.728	4.27	186	27.794	30.142	32.463	37.026	31.3	0.201	1463.2	469
500	1.465	1.440	3.749	3.372	34.728	4.29	186	27.797	30.144	32.465	37.029	31.2	0.209	1463.6	494
550	1.401	1.373	3.723	3.308	34.730	4.32	188	27.803	30.152	32.474	37.039	30.7	0.225	1464.1	543
600	1.369	1.338	3.728	3.276	34.730	4.33	188	27.805	30.154	32.477	37.044	30.6	0.240	1464.8	592
650	1.329	1.295	3.725	3.236	34.730	4.33	188	27.808	30.158	32.481	37.049	30.4	0.255	1465.4	642
700	1.293	1.257	3.727	3.200	34.729	4.34	188	27.810	30.160	32.484	37.053	30.3	0.270	1466.1	691
750	1.260	1.221	3.732	3.167	34.728	4.32	188	27.812	30.163	32.487	37.057	30.2	0.285	1466.8	740
800	1.230	1.188	3.740	3.138	34.728	4.34	189	27.814	30.165	32.490	37.061	30.2	0.		

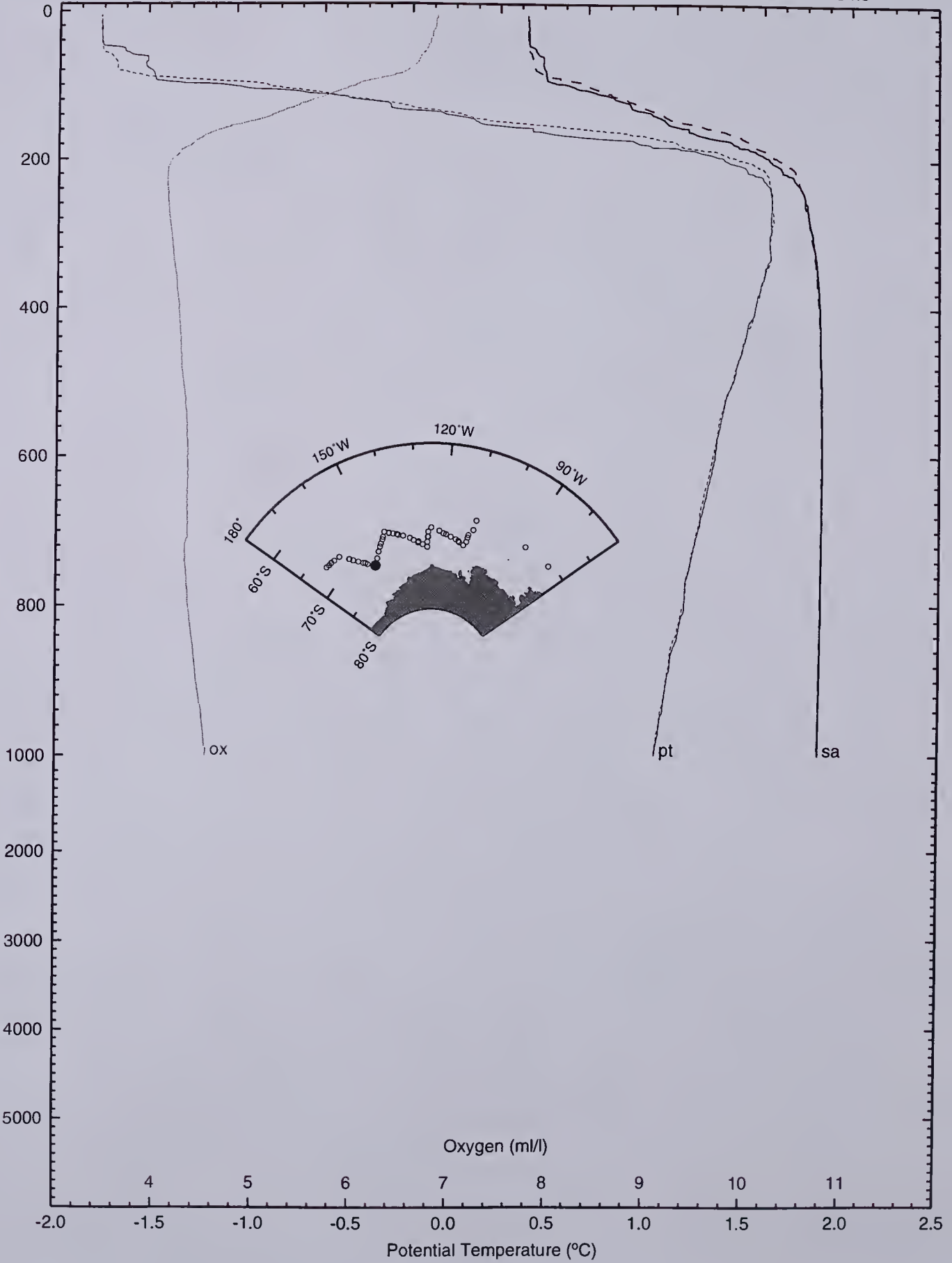
Latitude 71 12 S  
Longitude 153 04 W

Salinity

NP9405 066

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 67D	YR/MO/DA 94/10/06	GTIME 00:28	LATITUDE -71.205	LONGITUDE -153.075	DPTH 4340	HT	BARO 976	WIND 234	WNS 5	AIRTM -12.0						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
6	-1.792	-1.792	0.081	0.077	34.063	6.89	299	27.419	29.818	32.191	36.855	65.0	0.004	1439.6	5		
10	-1.792	-1.792	0.084	0.077	34.063	6.89	299	27.419	29.819	32.191	36.855	65.0	0.007	1439.6	9		
20	-1.792	-1.792	0.092	0.077	34.064	6.87	299	27.419	29.819	32.191	36.855	64.9	0.013	1439.8	19		
30	-1.791	-1.792	0.100	0.078	34.064	6.85	298	27.419	29.819	32.191	36.855	64.8	0.019	1440.0	29		
40	-1.791	-1.791	0.108	0.078	34.064	6.83	297	27.420	29.819	32.191	36.855	64.8	0.026	1440.1	39		
50	-1.790	-1.791	0.116	0.079	34.064	6.79	295	27.420	29.819	32.191	36.856	64.7	0.032	1440.3	49		
60	-1.787	-1.788	0.127	0.082	34.065	6.71	292	27.420	29.819	32.192	36.856	64.6	0.039	1440.5	59		
70	-1.788	-1.789	0.133	0.081	34.065	6.64	289	27.420	29.819	32.192	36.856	64.5	0.045	1440.6	69		
80	-1.749	-1.750	0.181	0.120	34.071	6.54	284	27.425	29.823	32.195	36.858	64.0	0.052	1441.0	79		
90	-1.695	-1.697	0.242	0.174	34.076	6.35	276	27.427	29.825	32.196	36.857	63.7	0.058	1441.4	89		
100	-1.340	-1.342	0.607	0.532	34.127	6.20	269	27.458	29.850	32.215	36.864	60.9	0.064	1443.3	98		
125	-0.651	-0.655	1.322	1.228	34.239	5.50	239	27.523	29.904	32.258	36.886	54.9	0.079	1447.1	123		
150	0.232	0.226	2.232	2.119	34.391	5.10	222	27.603	29.969	32.309	36.910	47.7	0.092	1451.8	148		
175	1.065	1.057	3.093	2.961	34.547	4.48	195	27.677	30.031	32.359	36.935	41.0	0.103	1456.2	173		
200	1.464	1.454	3.516	3.365	34.628	4.21	183	27.715	30.063	32.384	36.948	37.8	0.113	1458.5	197		
225	1.638	1.626	3.711	3.542	34.679	4.12	179	27.743	30.088	32.407	36.966	35.3	0.122	1459.7	222		
250	1.651	1.638	3.744	3.556	34.690	4.13	180	27.752	30.096	32.415	36.974	34.6	0.130	1460.2	247		
275	1.651	1.637	3.763	3.556	34.696	4.15	181	27.756	30.101	32.419	36.978	34.3	0.139	1460.6	271		
300	1.650	1.634	3.781	3.555	34.705	4.17	181	27.764	30.109	32.427	36.986	33.7	0.147	1461.1	296		
325	1.641	1.624	3.791	3.547	34.712	4.20	182	27.770	30.115	32.434	36.992	33.2	0.156	1461.4	321		
350	1.639	1.621	3.809	3.545	34.718	4.21	183	27.775	30.120	32.439	36.998	32.8	0.164	1461.9	346		
375	1.608	1.589	3.797	3.514	34.722	4.23	184	27.780	30.126	32.445	37.005	32.4	0.172	1462.1	370		
400	1.581	1.560	3.789	3.488	34.725	4.25	185	27.785	30.131	32.450	37.011	32.0	0.180	1462.4	395		
425	1.561	1.539	3.788	3.468	34.726	4.27	185	27.788	30.134	32.454	37.015	31.8	0.188	1462.7	420		
450	1.524	1.500	3.769	3.431	34.728	4.28	186	27.792	30.138	32.459	37.021	31.5	0.196	1463.0	444		
475	1.504	1.480	3.769	3.411	34.729	4.29	187	27.794	30.141	32.462	37.024	31.4	0.204	1463.3	469		
500	1.469	1.443	3.752	3.376	34.729	4.29	187	27.797	30.145	32.466	37.029	31.1	0.212	1463.6	494		
550	1.410	1.381	3.731	3.317	34.731	4.33	188	27.803	30.151	32.473	37.039	30.7	0.227	1464.1	543		
600	1.377	1.346	3.736	3.284	34.731	4.34	189	27.806	30.154	32.477	37.043	30.6	0.243	1464.8	592		
650	1.341	1.307	3.737	3.248	34.730	4.35	189	27.808	30.157	32.480	37.048	30.5	0.258	1465.5	642		
700	1.300	1.264	3.734	3.208	34.730	4.34	188	27.810	30.160	32.484	37.053	30.3	0.273	1466.1	691		
750	1.260	1.220	3.731	3.167	34.729	4.35	189	27.813	30.163	32.488	37.058	30.2	0.288	1466.8	740		
800	1.225	1.183	3.734	3.132	34.728	4.37	190	27.815	30.166	32.491	37.062	30.1	0.303	1467.4	790		
850	1.188	1.143	3.735	3.095	34.727	4.41	192	27.817	30.169	32.494	37.066	30.0	0.318	1468.1	839		
900	1.154	1.107	3.738	3.061	34.726	4.45	193	27.818	30.171	32.497	37.070	29.9	0.333	1468.8	888		
950	1.125	1.074	3.747	3.032	34.725	4.50	196	27.820	30.173	32.499	37.073	29.8	0.348	1469.5	937		
999	1.089	1.036	3.747	2.995	34.724	4.56	198	27.821	30.175	32.502	37.077	29.7	0.363	1470.1	986		

SHCRUS NP9405	STNM 67U	YR/MO/DA 94/10/06	GTIME 01:15	LATITUDE -71.202	LONGITUDE -153.060	DPTH 4340	HT	BARO 976	WIND 234	WNS 5	AIRTM -12.0						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
5	-1.786	-1.786	0.087	0.083	34.063	6.88	299	27.419	29.818	32.190	36.854	65.0	0.003	1439.6	4		
10	-1.782	-1.782	0.095	0.087	34.064	6.89	299	27.419	29.818	32.191	36.854	65.0	0.007	1439.7	9		
20	-1.776	-1.777	0.107	0.093	34.064	6.87	299	27.420	29.819	32.191	36.854	64.9	0.013	1439.9	19		
30	-1.765	-1.766	0.126	0.104	34.065	6.85	298	27.420	29.819	32.191	36.854	64.8	0.019	1440.1	29		
40	-1.762	-1.763	0.137	0.107	34.066	6.83	297	27.420	29.819	32.191	36.854	64.7	0.026	1440.3	39		
50	-1.753	-1.754	0.154	0.116	34.068	6.79	295	27.422	29.820	32.192	36.855	64.5	0.032	1440.5	49		
60	-1.649	-1.651	0.266	0.221	34.083	6.71	292	27.432	29.829	32.199	36.858	63.5	0.039	1441.1	59		
70	-1.607	-1.608	0.316	0.263	34.091	6.64	289	27.437	29.833	32.202	36.861	63.0	0.045	1441.5	69		
80	-1.494	-1.495	0.438	0.377	34.108	6.54	284	27.448	29.842	32.209	36.864	61.9	0.051	1442.2	79		
90	-1.295	-1.298	0.646	0.578	34.146	6.35	276	27.472	29.863	32.227	36.875	59.7	0.057	1443.4	89		
100	-1.127	-1.129	0.823	0.748	34.170	6.20	269	27.486	29.874	32.235	36.878	58.3	0.063	1444.4	98		
125	-0.282	-0.286	1.695	1.601	34.315	5.50	239	27.567	29.942	32.290	36.907	50.8	0.077	1448.9	123		
150	0.179	0.173	2.179	2.066	34.392	5.10	222	27.606	29.974	32.315	36.917	47.3	0.089	1451.6	148		
175	1.047	1.039	3.075	2.944	34.551	4.48	195	27.682	30.036	32.364	36.940	40.6	0.100	1456.1	173		
200	1.439	1.429	3.490	3.340	34.626	4.21	183	27.715	30.064	32.385	36.950	37.7	0.110	1458.4	197		
225	1.630	1.619	3.703	3.533	34.672	4.12	179	27.738	30.083	32.402	36.962	35.8	0.119	1459.7	222		
250	1.663	1.650	3.755	3.567	34.692	4.13	180	27.752	30.097	32.415	36.974	34.6	0.128	1460.3	247		
275	1.653	1.639	3.766	3.558	34.701	4.15	181	27.760	30.105	32.423	36.982	34.0	0.137	1460.7	271		
300	1.649	1.634	3.781	3.554	34.707	4.17	181	27.765	30.110	32.428	36.987	33.6	0.145	1461.1	296		
325	1.650	1.633	3.801	3.556	34.714	4.20	182	27.771	30.116	32.435	36.993	33.1	0.154	1461.5	321		
350	1.636	1.617	3.806	3.542	34.718	4.21	183	27.775	30.120	32.439	36.998	32.8	0.162	1461.8	346		
375	1.593	1.573	3.781	3.499	34.721	4.23	184	27.781	30.127	32.446	37.006	32.3	0.170	1462.1	370		
400	1.566	1.545	3.774	3.472	34.724	4.25	185	27.785	30.132	32.451	37.012	32.0	0.178	1462.4	395		
425	1.538	1.516	3.765	3.445	34.725	4.27	185	27.789	30.135	32.455	37.017	31.7	0.186	1462.6	420		
450	1.523	1.499	3.768	3.430	34.727	4.28	186	27.791	30.138	32.459	37.021	31.6	0.194	1463.0	444		
475	1.499	1.474	3.763	3.406	34.728	4.29	187	27.794	30.141	32.462	37.024	31.4	0.202	1463.3	469		
500	1.458	1.432	3.741	3.365	34.728	4.29	187	27.797	30.145	32.466	37.030	31.1	0.209	1463.5	494		
550	1.406	1.377	3.727	3.313	34.730	4.33	188	27.802	30.151	32.473	37.039	30.7	0.225	1464.1	543		
600	1.369	1.338	3.728	3.276	34.730	4.34	189	27.805	30.154	32.477	37.044	30.6	0.240	1464.8	592		
650	1.338	1.304	3.735	3.245	34.730	4.35	189	27.808	30.157	32.480	37.048	30.5	0.256	1465.5	642		
700																	

Latitude 71 12 S  
Longitude 153 04 W

Salinity

NP9405 067

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

4 5 6 7 8 9 10 11

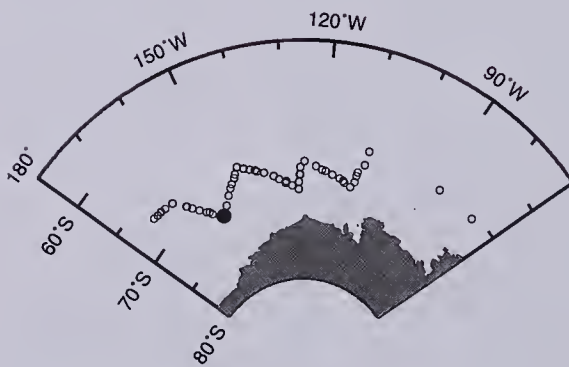
Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

ox

pt

sa



SHCRUS NP9405	STNM 68D	YR/MO/DA 94/19/06	GTIME 01:16	LATITUDE -71.202	LONGITUDE -153.060	DPTH 4340	HT	BARO 976	WIND 234	WNS 5	AIRTM -12.0				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.790	-1.791	0.083	0.079	34.064	7.02	305	27.420	29.819	32.191	36.855	65.0	0.003	1439.6	4
10	-1.790	-1.790	0.086	0.079	34.064	7.02	305	27.420	29.819	32.191	36.855	64.9	0.006	1439.6	9
20	-1.780	-1.780	0.104	0.089	34.065	7.03	305	27.421	29.820	32.192	36.855	64.8	0.013	1439.8	19
30	-1.777	-1.778	0.114	0.092	34.066	7.02	305	27.421	29.820	32.192	36.856	64.7	0.019	1440.0	29
40	-1.789	-1.790	0.110	0.080	34.065	7.01	305	27.420	29.819	32.192	36.856	64.7	0.026	1440.1	39
50	-1.773	-1.774	0.134	0.096	34.066	7.00	304	27.421	29.820	32.192	36.856	64.6	0.032	1440.4	49
60	-1.684	-1.685	0.231	0.185	34.077	7.00	304	27.427	29.825	32.196	36.856	63.9	0.039	1441.0	59
70	-1.624	-1.625	0.299	0.246	34.087	6.94	302	27.434	29.830	32.200	36.859	63.2	0.045	1441.4	69
80	-1.553	-1.554	0.378	0.318	34.098	6.89	300	27.441	29.836	32.204	36.861	62.6	0.051	1442.0	79
90	-1.490	-1.492	0.449	0.381	34.108	6.61	287	27.447	29.841	32.208	36.863	62.0	0.058	1442.4	89
100	-1.205	-1.208	0.744	0.669	34.149	6.34	276	27.471	29.861	32.224	36.869	59.7	0.064	1444.0	98
125	-0.451	-0.455	1.524	1.429	34.270	5.49	239	27.539	29.917	32.267	36.889	53.4	0.078	1448.1	123
150	0.061	0.056	2.060	1.947	34.364	5.21	226	27.590	29.959	32.302	36.908	48.8	0.090	1451.0	148
175	0.917	0.909	2.944	2.812	34.517	4.48	195	27.663	30.010	32.348	36.929	42.3	0.102	1455.5	173
200	1.458	1.448	3.509	3.359	34.623	4.18	182	27.712	30.060	32.381	36.946	38.1	0.112	1458.5	197
225	1.632	1.620	3.705	3.535	34.671	4.12	179	27.738	30.083	32.402	36.961	35.8	0.121	1459.7	222
250	1.671	1.658	3.764	3.576	34.693	4.13	180	27.752	30.097	32.415	36.973	34.6	0.130	1460.3	247
275	1.669	1.655	3.781	3.574	34.704	4.16	181	27.767	30.106	32.424	36.982	33.8	0.139	1460.7	271
300	1.665	1.649	3.796	3.571	34.710	4.18	182	27.767	30.111	32.430	36.988	33.4	0.147	1461.1	296
325	1.654	1.637	3.805	3.560	34.716	4.20	183	27.772	30.117	32.436	36.994	33.0	0.155	1461.5	321
350	1.643	1.625	3.813	3.549	34.720	4.22	183	27.776	30.121	32.440	36.999	32.7	0.164	1461.9	346
375	1.598	1.579	3.787	3.504	34.722	4.24	184	27.781	30.127	32.446	37.006	32.3	0.172	1462.1	370
400	1.572	1.551	3.780	3.478	34.724	4.26	185	27.785	30.131	32.451	37.012	32.0	0.180	1462.4	395
425	1.540	1.518	3.767	3.447	34.726	4.26	185	27.789	30.135	32.455	37.017	31.7	0.188	1462.7	420
450	1.513	1.490	3.759	3.420	34.727	4.28	186	27.792	30.139	32.459	37.022	31.5	0.196	1462.9	444
475	1.492	1.467	3.756	3.399	34.728	4.29	186	27.794	30.142	32.462	37.025	31.3	0.203	1463.3	469
500	1.476	1.450	3.759	3.383	34.730	4.30	187	27.797	30.144	32.465	37.029	31.2	0.211	1463.6	494
550	1.405	1.376	3.726	3.312	34.731	4.33	188	27.803	30.152	32.474	37.039	30.7	0.227	1464.1	543
600	1.374	1.342	3.732	3.281	34.731	4.36	189	27.806	30.155	32.477	37.044	30.6	0.242	1464.8	592
650	1.347	1.313	3.743	3.254	34.731	4.37	190	27.807	30.157	32.480	37.047	30.5	0.257	1465.5	642
700	1.308	1.272	3.742	3.215	34.730	4.38	190	27.810	30.160	32.484	37.052	30.4	0.273	1466.2	691
750	1.262	1.222	3.733	3.169	34.729	4.39	191	27.813	30.163	32.488	37.058	30.2	0.288	1466.8	740
800	1.224	1.182	3.734	3.131	34.728	4.37	190	27.815	30.166	32.491	37.062	30.1	0.303	1467.4	790
850	1.198	1.153	3.745	3.105	34.727	4.40	191	27.816	30.168	32.493	37.065	30.0	0.318	1468.1	839
900	1.171	1.123	3.755	3.078	34.727	4.43	193	27.817	30.170	32.495	37.068	30.0	0.333	1468.8	888
950	1.136	1.085	3.758	3.043	34.726	4.49	195	27.819	30.172	32.498	37.072	29.9	0.348	1469.5	937
999	1.102	1.049	3.761	3.009	34.725	4.54	197	27.821	30.174	32.501	37.076	29.8	0.362	1470.2	986

SHCRUS NP9405	STNM 68U	YR/MO/DA 94/10/06	GTIME 02:19	LATITUDE -71.210	LONGITUDE -153.055	DPTH 4340	HT	BARO 976	WIND 234	WNS 5	AIRTM -12.0						
PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	P04 um/kg	N03 um/kg	TC02 um/kg	PC02 uatm	F11 pm/kg	F12 pm/kg	F13 pm/kg	BN	DPTH m		
3	-1.775	34.063	34.066	7.09	49.7	49.7	1.95	27.4	2189	487				13/12	3		
26	-1.763	34.066	34.066	6.97	304	49.6	1.91	27.5						11	26		
50	-1.765	34.066		6.97	304	49.8	1.94	27.5						10	49		
64	-1.767	34.065		6.97	303	49.8	1.94	27.5						9	63		
84	-1.646	34.083	34.085	6.89	294	50.3	1.96	27.6						8	83		
124	-0.085	34.337	34.338	5.64	239	66.7	2.13	30.3						7	122		
169	0.597	34.454	34.460	5.02	204	74.2	2.21	31.6						6	167		
251	1.673	34.692	34.690	4.17	180	88.1	2.26	32.2						5	248		
401	1.565	34.724		4.27	185	95.0	2.20	31.6						4	396		
501	1.476	34.728	34.726	4.30	186	99.6	2.20	31.6						3	495		
700	1.305	34.730		4.36	190	106.0	2.25	31.6						2	692		
1000	1.100	34.724	34.723	4.45	197	113.4	2.25	31.8						1	987		

PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
10	-1.768	-1.769	0.108	0.101	34.066	7.02	305	27.421	29.820	32.192	36.855	64.8	0.006	1439.7	9
20	-1.766	-1.766	0.118	0.103	34.066	7.03	305	27.421	29.820	32.192	36.855	64.8	0.013	1439.9	19
30	-1.763	-1.764	0.128	0.106	34.066	7.02	305	27.421	29.820	32.191	36.855	64.7	0.019	1440.1	29
40	-1.764	-1.765	0.135	0.105	34.066	7.01	305	27.421	29.820	32.191	36.855	64.7	0.026	1440.2	39
50	-1.762	-1.763	0.144	0.107	34.066	7.00	304	27.421	29.819	32.191	36.854	64.6	0.032	1440.4	49
60	-1.764	-1.765	0.150	0.105	34.065	7.00	304	27.420	29.819	32.191	36.854	64.6	0.039	1440.6	59
70	-1.721	-1.723	0.201	0.148	34.073	6.94	302	27.425	29.823	32.194	36.856	64.1	0.045	1440.9	69
80	-1.641	-1.643	0.289	0.229	34.084	6.89	300	27.432	29.828	32.198	36.858	63.4	0.052	1441.5	79
90	-1.588	-1.590	0.350	0.283	34.097	6.61	287	27.441	29.837	32.206	36.864	62.4	0.058	1441.9	89
100	-1.342	-1.344	0.607	0.531	34.147	6.34	276	27.474	29.866	32.230	36.880	59.4	0.064	1443.3	98
125	-0.010	-0.014	1.969	1.875	34.352	5.49	239	27.584	29.954	32.298	36.906	49.4	0.077	1450.3	123
150	0.321	0.315	2.322	2.209	34.408	5.21	226	27.611	29.977	32.315	36.914	46.9	0.089	1452.3	148
175	1.043	1.036	3.072	2.940	34.553	4.48	195	27.683	30.038	32.365	36.942	40.4	0.101	1456.1	173
200	1.498	1.488	3.550	3.400	34.638	4.18	182	27.720	30.068	32.388	36.952	37.3	0.110	1458.7	197
225	1.670	1.658	3.744	3.574	34.683	4.12	179	27.744	30.089	32.407	36.965	35.2	0.119	1459.9	222
250	1.674	1.661	3.767	3.579	34.693	4.13	180	27.752	30.096	32.415	36.973	34.6	0.128	1460.3	247
275	1.668	1.652	3.788	3.581	34.701	4.16	181	27.758	30.103	32.421	36.979	34.1	0.137	1460.8	271
300	1.657	1.640	3.807	3.562	34.717	4.20	182	27.765	30.110	32.428	36.986	33.6	0.145	1461.1	296
325	1.634	1.616	3.804	3.540	34.719	4.22	183	27.773	30.118	32.436	36.995	32.9	0.153	1461.5	321
350	1.595	1.576	3.784	3.501	34.721	4.24	184	27.781	30.126	32.446	37.006	32.4	0.161	1461.8	346
375	1.565	1.544	3.772	3.471	34.724	4.26	185	27.785	30.131	32.451	37.012	32.0	0.178	1462.3	395
400	1.532	1.510	3.759	3.439	34.725	4.26	185	27.789	30.135	32.455	37.017	31.7	0.186	1462.6	420
425	1.509	1.485	3.754	3.416	34.727	4.28	186	27.792	30.139	32.459	37.022	31.5	0.194	1462.9	444
450	1.487	1.462	3.751	3.											

Latitude 71 12 S  
Longitude 153 04 W

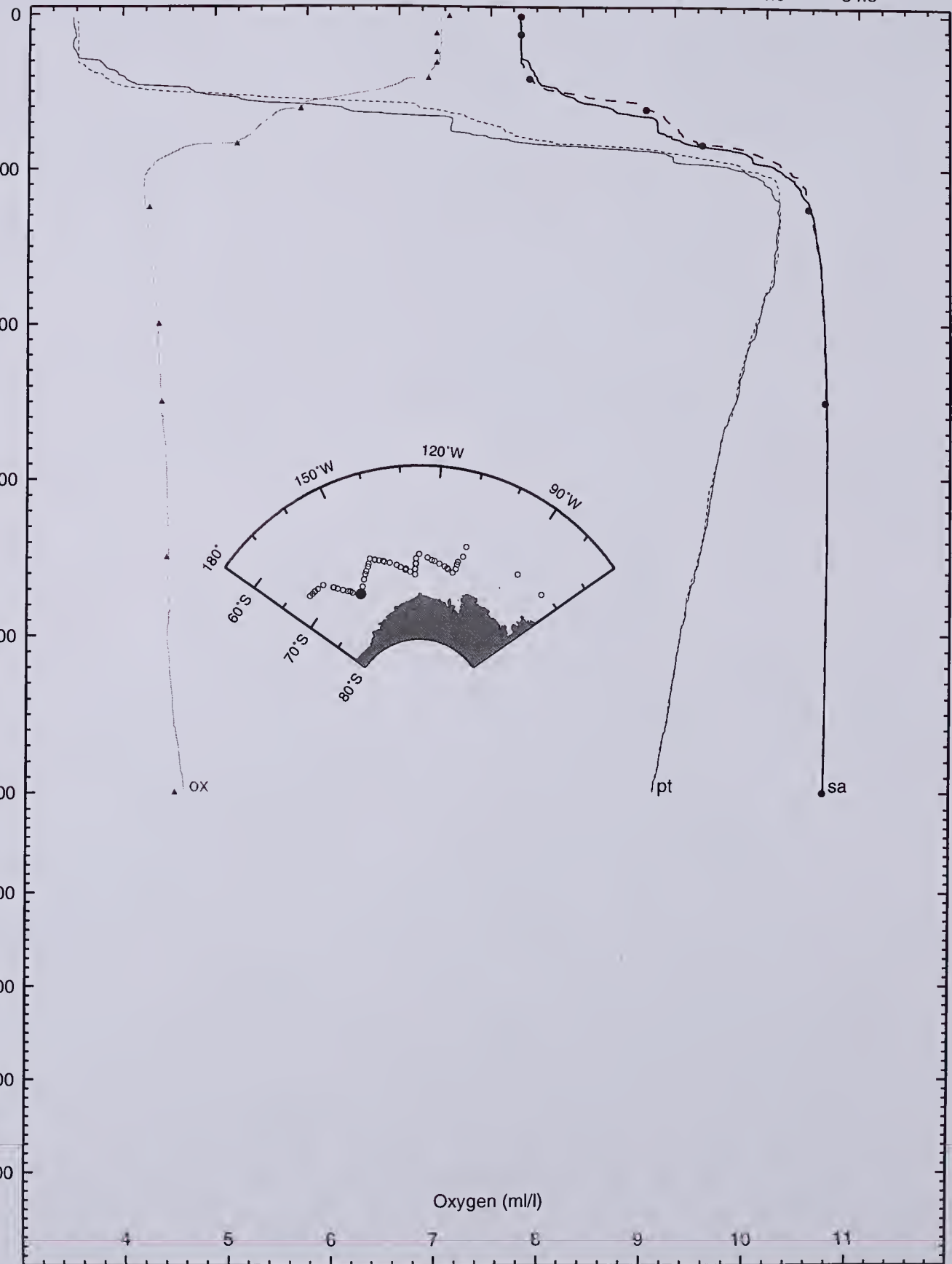
Salinity

NP9405 068

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 69D	YR/MO/DA 94/10/06	GTIME 03:24	LATITUDE -71.197	LONGITUDE -153.040	DPTH 4340	HT	BARO 977	WND 284	WNS 7	AIRTM -12.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.779	-1.779	0.092	0.090	34.063	7.09	308	27.418	29.817	32.189	36.853	65.1	0.003	1439.6	3
10	-1.786	-1.786	0.090	0.083	34.063	7.06	307	27.419	29.818	32.190	36.854	65.0	0.007	1439.7	9
20	-1.792	-1.792	0.092	0.077	34.062	7.04	306	27.419	29.818	32.190	36.854	65.0	0.013	1439.8	19
30	-1.770	-1.771	0.121	0.099	34.064	7.04	306	27.419	29.818	32.190	36.854	64.8	0.020	1440.1	29
40	-1.767	-1.768	0.131	0.102	34.065	7.02	305	27.420	29.819	32.191	36.854	64.7	0.026	1440.2	39
50	-1.758	-1.759	0.149	0.111	34.066	7.01	305	27.420	29.819	32.191	36.854	64.6	0.032	1440.4	49
60	-1.725	-1.726	0.190	0.144	34.070	6.99	304	27.423	29.821	32.193	36.855	64.3	0.039	1440.8	59
70	-1.726	-1.727	0.196	0.143	34.071	6.94	302	27.424	29.822	32.193	36.856	64.2	0.045	1440.9	69
80	-1.655	-1.656	0.275	0.216	34.081	6.83	297	27.430	29.827	32.197	36.857	63.6	0.052	1441.4	79
90	-1.420	-1.422	0.519	0.451	34.113	6.64	289	27.449	29.843	32.209	36.861	61.7	0.058	1442.8	89
100	-1.156	-1.158	0.794	0.718	34.154	6.44	280	27.473	29.862	32.224	36.868	59.5	0.064	1444.2	98
125	-0.490	-0.494	1.484	1.390	34.259	5.87	255	27.532	29.910	32.262	36.885	54.1	0.078	1447.9	123
150	0.218	0.212	2.218	2.105	34.386	5.20	226	27.599	29.966	32.307	36.908	48.0	0.091	1451.8	148
175	0.855	0.847	2.881	2.749	34.505	4.64	202	27.657	30.015	32.345	36.927	42.8	0.102	1455.2	173
200	1.365	1.355	3.415	3.264	34.608	4.25	185	27.706	30.056	32.378	36.946	38.5	0.113	1458.0	197
225	1.667	1.655	3.740	3.571	34.682	4.04	176	27.744	30.088	32.407	36.965	35.3	0.122	1459.9	222
250	1.669	1.656	3.762	3.574	34.696	4.06	176	27.755	30.100	32.418	36.976	34.3	0.130	1460.3	247
275	1.661	1.647	3.773	3.566	34.702	4.08	177	27.761	30.105	32.424	36.982	33.9	0.139	1461.7	271
300	1.650	1.634	3.781	3.556	34.712	4.10	178	27.769	30.114	32.432	36.991	33.2	0.147	1461.1	296
325	1.623	1.607	3.774	3.529	34.716	4.12	179	27.774	30.120	32.439	36.998	32.8	0.155	1461.4	321
350	1.587	1.569	3.756	3.493	34.719	4.13	179	27.780	30.125	32.445	37.005	32.3	0.164	1461.6	346
375	1.586	1.567	3.775	3.492	34.723	4.16	181	27.783	30.129	32.448	37.008	32.1	0.172	1462.0	370
400	1.546	1.525	3.753	3.452	34.725	4.17	181	27.787	30.134	32.454	37.015	31.8	0.180	1462.3	395
425	1.525	1.503	3.752	3.432	34.726	4.18	182	27.790	30.137	32.457	37.019	31.6	0.188	1462.6	420
450	1.505	1.481	3.750	3.412	34.727	4.19	182	27.793	30.140	32.460	37.023	31.4	0.195	1462.9	444
475	1.485	1.460	3.749	3.392	34.728	4.20	182	27.795	30.142	32.463	37.026	31.3	0.203	1463.2	469
500	1.458	1.432	3.741	3.365	34.729	4.21	183	27.798	30.146	32.467	37.031	31.0	0.211	1463.5	494
550	1.419	1.390	3.740	3.326	34.730	4.23	184	27.802	30.150	32.472	37.037	30.8	0.226	1464.2	543
600	1.366	1.334	3.724	3.273	34.731	4.26	185	27.806	30.155	32.478	37.045	30.5	0.242	1464.8	592
650	1.334	1.300	3.730	3.241	34.731	4.27	185	27.808	30.158	32.481	37.049	30.4	0.257	1465.4	642
700	1.288	1.251	3.722	3.195	34.730	4.27	186	27.811	30.161	32.485	37.054	30.2	0.272	1466.1	691
750	1.242	1.203	3.714	3.149	34.729	4.29	186	27.814	30.165	32.489	37.060	30.0	0.287	1466.7	740
800	1.208	1.166	3.717	3.115	34.728	4.27	186	27.816	30.167	32.492	37.064	30.0	0.302	1467.3	790
850	1.183	1.138	3.730	3.090	34.727	4.27	186	27.817	30.169	32.494	37.066	29.9	0.317	1468.1	839
900	1.143	1.096	3.728	3.050	34.726	4.31	187	27.819	30.171	32.497	37.071	29.8	0.332	1468.7	888
950	1.115	1.065	3.737	3.022	34.725	4.34	188	27.820	30.173	32.500	37.074	29.7	0.347	1469.4	937
1000	1.084	1.031	3.743	2.990	34.724	4.39	191	27.822	30.175	32.502	37.077	29.7	0.362	1470.1	987

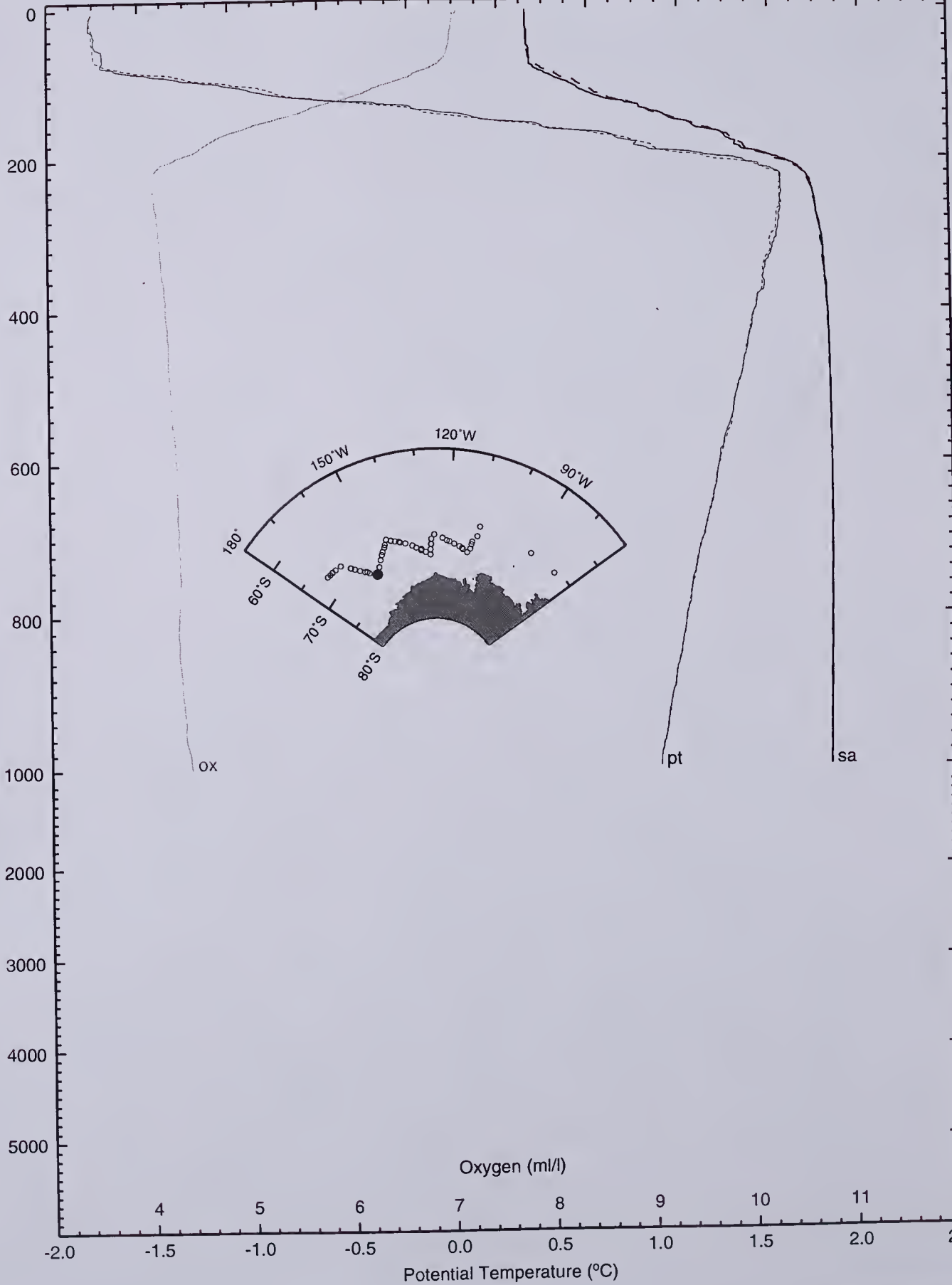
SHCRUS NP9405	STNM 69U	YR/MO/DA 94/10/06	GTIME 04:04	LATITUDE -71.196	LONGITUDE -153.030	DPTH 4340	HT	BARO 977	WND 284	WNS 7	AIRTM -12.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.789	-1.789	0.087	0.080	34.064	7.06	307	27.419	29.819	32.191	36.855	65.0	0.006	1439.6	9
20	-1.785	-1.786	0.099	0.084	34.065	7.04	306	27.420	29.819	32.192	36.855	64.8	0.013	1439.8	19
30	-1.776	-1.776	0.116	0.093	34.066	7.04	306	27.421	29.820	32.192	36.856	64.7	0.019	1440.0	29
40	-1.777	-1.778	0.122	0.092	34.066	7.02	305	27.421	29.820	32.192	36.856	64.6	0.026	1440.2	39
50	-1.770	-1.771	0.137	0.099	34.067	7.01	305	27.421	29.820	32.192	36.856	64.5	0.032	1440.4	49
60	-1.767	-1.768	0.147	0.102	34.068	6.99	304	27.422	29.821	32.193	36.856	64.4	0.039	1440.6	59
70	-1.744	-1.746	0.177	0.125	34.073	6.94	302	27.426	29.825	32.196	36.859	63.9	0.045	1440.8	69
80	-1.608	-1.610	0.323	0.262	34.095	6.83	297	27.440	29.836	32.206	36.864	62.6	0.052	1441.7	79
90	-1.339	-1.342	0.601	0.534	34.132	6.64	289	27.461	29.853	32.218	36.868	60.6	0.058	1443.2	89
100	-1.089	-1.092	0.861	0.786	34.174	6.44	280	27.487	29.875	32.236	36.878	58.2	0.064	1444.6	98
125	-0.532	-0.536	1.442	1.348	34.267	5.87	255	27.541	29.919	32.271	36.896	53.3	0.078	1447.7	123
150	0.205	0.199	2.205	2.093	34.396	5.20	226	27.608	29.975	32.315	36.917	47.2	0.090	1451.7	148
175	0.888	0.881	2.915	2.783	34.517	4.64	202	27.665	30.021	32.351	36.933	42.1	0.101	1455.4	173
200	1.285	1.276	3.335	3.184	34.600	4.25	185	27.705	30.055	32.379	36.949	38.6	0.112	1457.7	197
225	1.663	1.651	3.736	3.567	34.681	4.04	176	27.743	30.088	32.407	36.965	35.3	0.121	1459.9	222
250	1.663	1.650	3.756	3.567	34.694	4.06	176	27.754	30.098	32.417	36.975	34.4	0.129	1460.3	247
275	1.649	1.635	3.761	3.554	34.703	4.08	177	27.762	30.107	32.426	36.984	33.7	0.138	1460.6	271
300	1.635	1.619	3.766	3.540	34.710	4.10	178	27.769	30.114	32.433	36.992	33.2	0.146	1461.0	296
325	1.617	1.600	3.767	3.523	34.715	4.12	179	27.774	30.119	32.438	36.998	32.8	0.154	1461.3	321
350	1.581	1.562	3.750	3.486	34.718	4.13	179	27.779	30.125	32.444	37.005	32.4	0.163	1461.6	346
375	1.577	1.557	3.766	3.483	34.722	4.16	181	27.783	30.129	32.448	37.009	32.1	0.171	1462.0	370
400	1.543	1.523	3.751	3.449	34.724	4.17	181	27.787	30.133	32.453	37.015	31.8	0.179	1462.3	395
425	1.520	1.498	3.747	3.427	34.726	4.18	182	27.790	30.137	32.457	37.020	31.6	0.187	1462.6	420
450	1.499	1.476	3.744	3.406	34.727	4.19	182	27.793	30.140	32.461	37.024	31.4	0.194	1462.9	444
475	1.483	1.458	3.747	3.390	34.727	4.20	182	27.795	30.142	32.463	37.026	31.3	0.202	1463.2	469
500	1.462	1.436	3.745	3.369	34.728	4.21	183	27.797	30.144	32.466	37.030	31.2	0		

Latitude 71 12 S  
Longitude 153 02 W

NP9405 069

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

Potential Temperature (°C)



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	70D	94/10/06	04:12	-71.196	-153.030	4340		977	284	7	-12.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.788	-1.789	0.088	0.081	34.065	6.85	298	27.420	29.819	32.192	36.856	64.9	0.006	1439.6	9
20	-1.773	-1.774	0.111	0.096	34.066	6.84	297	27.421	29.820	32.192	36.856	64.7	0.013	1439.9	19
30	-1.772	-1.773	0.119	0.097	34.067	6.81	296	27.421	29.820	32.192	36.856	64.7	0.019	1440.0	29
40	-1.769	-1.770	0.130	0.100	34.067	6.79	295	27.422	29.821	32.193	36.856	64.6	0.026	1440.2	39
50	-1.768	-1.769	0.138	0.101	34.068	6.75	293	27.422	29.821	32.193	36.856	64.5	0.032	1440.4	49
60	-1.769	-1.770	0.145	0.100	34.068	6.71	292	27.422	29.821	32.193	36.857	64.4	0.039	1440.5	59
70	-1.719	-1.720	0.203	0.150	34.075	6.64	289	27.427	29.825	32.196	36.858	63.9	0.045	1441.0	69
80	-1.565	-1.567	0.366	0.306	34.096	6.55	285	27.440	29.835	32.204	36.861	62.6	0.052	1441.9	79
90	-1.363	-1.366	0.576	0.509	34.124	6.44	280	27.456	29.848	32.214	36.864	61.1	0.058	1443.0	89
100	-1.043	-1.046	0.907	0.832	34.172	6.28	273	27.484	29.871	32.231	36.872	58.5	0.064	1444.8	98
125	-0.511	-0.515	1.462	1.369	34.259	5.71	248	27.533	29.912	32.263	36.887	54.0	0.078	1447.8	123
150	0.189	0.183	2.189	2.076	34.384	4.97	216	27.599	29.967	32.307	36.910	48.0	0.090	1451.6	148
175	0.908	0.900	2.934	2.803	34.517	4.55	198	27.663	30.020	32.349	36.930	42.3	0.102	1455.5	173
200	1.245	1.236	3.294	3.144	34.588	4.21	183	27.698	30.049	32.374	36.944	39.2	0.112	1457.5	197
225	1.579	1.568	3.651	3.482	34.663	4.03	175	27.735	30.081	32.401	36.962	36.0	0.121	1459.5	222
250	1.665	1.652	3.758	3.570	34.691	4.02	175	27.751	30.096	32.414	36.972	34.7	0.130	1460.3	247
275	1.659	1.645	3.771	3.564	34.703	4.04	176	27.761	30.106	32.424	36.983	33.8	0.139	1460.7	271
300	1.646	1.631	3.777	3.552	34.709	4.06	176	27.767	30.112	32.430	36.989	33.4	0.147	1461.1	296
325	1.618	1.601	3.769	3.524	34.713	4.08	177	27.772	30.118	32.437	36.996	32.9	0.155	1461.3	321
350	1.601	1.583	3.771	3.507	34.716	4.10	178	27.776	30.122	32.441	37.001	32.6	0.164	1461.7	346
375	1.574	1.555	3.763	3.480	34.720	4.12	179	27.782	30.128	32.447	37.008	32.2	0.172	1462.0	370
400	1.551	1.530	3.758	3.457	34.724	4.13	179	27.786	30.132	32.452	37.014	31.9	0.180	1462.3	395
425	1.524	1.502	3.751	3.431	34.726	4.14	180	27.790	30.137	32.457	37.019	31.6	0.188	1462.6	420
450	1.512	1.488	3.757	3.419	34.727	4.14	180	27.792	30.139	32.460	37.022	31.5	0.196	1462.9	444
475	1.490	1.465	3.754	3.397	34.728	4.15	180	27.794	30.142	32.462	37.026	31.3	0.203	1463.3	469
500	1.472	1.445	3.755	3.378	34.729	4.17	181	27.797	30.144	32.465	37.029	31.2	0.211	1463.6	494
550	1.427	1.399	3.748	3.334	34.730	4.20	182	27.801	30.149	32.471	37.036	30.9	0.227	1464.2	543
600	1.375	1.344	3.734	3.282	34.731	4.22	183	27.805	30.154	32.477	37.043	30.6	0.242	1464.8	592
650	1.334	1.300	3.730	3.241	34.731	4.24	184	27.808	30.158	32.481	37.049	30.4	0.257	1465.4	642
700	1.297	1.260	3.731	3.204	34.730	4.24	184	27.811	30.161	32.484	37.053	30.3	0.273	1466.1	691
750	1.264	1.225	3.736	3.171	34.729	4.26	185	27.813	30.163	32.487	37.057	30.2	0.288	1466.8	740
800	1.228	1.186	3.737	3.135	34.728	4.25	185	27.815	30.166	32.491	37.062	30.1	0.303	1467.4	790
850	1.193	1.148	3.740	3.100	34.727	4.25	185	27.816	30.168	32.493	37.065	30.0	0.318	1468.1	839
900	1.164	1.116	3.748	3.071	34.727	4.28	186	27.818	30.170	32.496	37.069	29.9	0.333	1468.8	888
950	1.131	1.080	3.753	3.038	34.726	4.31	187	27.820	30.172	32.499	37.072	29.8	0.348	1469.5	937
1000	1.093	1.040	3.752	2.999	34.724	4.35	189	27.821	30.174	32.501	37.076	29.7	0.363	1470.1	987

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	70U	94/10/06	05:00	-71.195	-153.024	4340		977	284	7	-12.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m

12	-1.766	-1.766	0.112	0.103	34.066	6.85	298	27.421	29.820	32.192	36.855	64.8	0.008	1439.8	11
20	-1.755	-1.755	0.129	0.114	34.068	6.84	297	27.422	29.821	32.192	36.855	64.7	0.013	1440.0	19
30	-1.727	-1.727	0.165	0.142	34.072	6.81	296	27.425	29.823	32.194	36.856	64.3	0.019	1440.3	29
40	-1.709	-1.710	0.190	0.160	34.075	6.79	295	27.427	29.824	32.195	36.857	64.1	0.026	1440.5	39
50	-1.677	-1.678	0.230	0.193	34.079	6.75	293	27.429	29.826	32.197	36.857	63.8	0.032	1440.8	49
60	-1.645	-1.646	0.270	0.225	34.084	6.71	292	27.432	29.829	32.199	36.858	63.5	0.039	1441.2	59
70	-1.569	-1.571	0.354	0.301	34.096	6.64	289	27.439	29.835	32.204	36.861	62.7	0.045	1441.7	69
80	-1.494	-1.496	0.438	0.377	34.108	6.55	285	27.447	29.842	32.209	36.864	62.0	0.051	1442.2	79
90	-1.342	-1.344	0.598	0.530	34.131	6.44	280	27.461	29.853	32.218	36.867	60.7	0.057	1443.2	89
100	-1.248	-1.250	0.701	0.625	34.147	6.28	273	27.471	29.862	32.225	36.872	59.7	0.063	1443.8	98
125	-0.525	-0.528	1.450	1.355	34.264	5.71	248	27.537	29.916	32.268	36.892	53.6	0.077	1447.8	123
150	0.318	0.312	2.319	2.207	34.416	4.97	216	27.618	29.983	32.322	36.920	46.3	0.090	1452.2	148
175	0.856	0.849	2.883	2.750	34.512	4.55	198	27.663	30.020	32.350	36.933	42.3	0.101	1455.2	173
200	1.288	1.278	3.338	3.188	34.603	4.21	183	27.707	30.058	32.382	36.951	38.4	0.111	1457.7	197
225	1.606	1.595	3.679	3.510	34.673	4.03	175	27.741	30.086	32.405	36.965	35.5	0.120	1459.6	222
250	1.659	1.647	3.752	3.564	34.692	4.02	175	27.752	30.097	32.416	36.974	34.5	0.129	1460.3	247
275	1.649	1.635	3.762	3.554	34.702	4.04	176	27.761	30.106	32.424	36.983	33.8	0.138	1460.6	271
300	1.637	1.621	3.768	3.542	34.707	4.06	176	27.766	30.111	32.430	36.989	33.5	0.146	1461.0	296
325	1.619	1.603	3.770	3.525	34.711	4.08	177	27.771	30.116	32.435	36.995	33.1	0.154	1461.3	321
350	1.585	1.567	3.755	3.491	34.716	4.10	178	27.778	30.123	32.443	37.003	32.5	0.163	1461.6	346
375	1.576	1.557	3.765	3.482	34.720	4.12	179	27.782	30.128	32.447	37.008	32.2	0.171	1462.0	370
400	1.542	1.521	3.749	3.447	34.723	4.13	179	27.786	30.133	32.453	37.014	31.9	0.179	1462.2	395
425	1.525	1.503	3.751	3.432	34.725	4.14	180	27.790	30.136	32.457	37.019	31.6	0.187	1462.6	420
450	1.512	1.488	3.757	3.419	34.726	4.14	180	27.791	30.138	32.459	37.021	31.5	0.194	1462.9	444
475	1.486	1.461	3.750	3.393	34.727	4.15	180	27.794	30.141	32.462	37.026	31.3	0.202	1463.2	469
500	1.466	1.440	3.750	3.373	34.728	4.17	181	27.797	30.144	32.465	37.029	31.2	0.210	1463.6	494
550	1.420	1.392	3.741	3.327	34.730	4.20	182	27.801	30.149	32.471	37.036	30.9	0.226	1464.2	543
600	1.373	1.342	3.732	3.280	34.730	4.22	183	27.805	30.154	32.477	37.043	30.6	0.241	1464.8	592
650	1.335	1.301	3.732	3.242	34.730	4.24	184	27.808	30.158	32.481	37.048	30.4	0.256	1465.4	642
700	1.300	1.264	3.734	3.207	34.730	4.24	184	27.810	30.160	32.484	37.053	30.3	0.271	1466.1	691
750	1.263	1.224	3.735	3.170	34.729	4.26	185	27.812	30.163	32.487	37.057	30.2	0.287	1466.8	740
800	1.224	1.182	3.733	3.131	34.728	4.25	185	27.814	30.166	32.490	37.061	30.1	0.302	1467.4	790
850	1.194	1.149	3.740	3.101	34.727	4.25	185	27.816	30.168	32.493	37.065	30.0	0.317		

Latitude 71 12 S  
Longitude 153 02 W

Salinity

NP9405 070

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

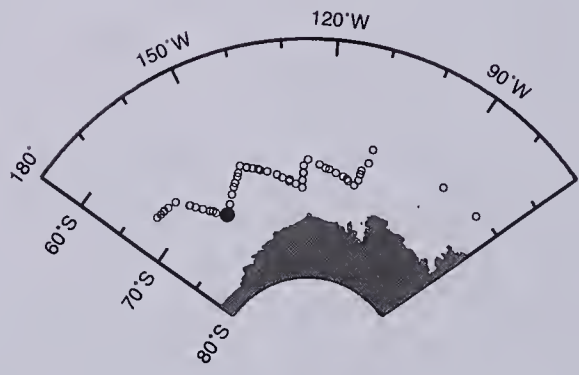
Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

ox

pt

sa



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 71D	YR/MO/DA 94/10/06	GTIME 05:05	LATITUDE -71.195	LONGITUDE -153.022	DPTH 4340	HT	BARO 977	WND 292	WNS 5	AIRTM -15.1				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
11	-1.762	-1.762	0.115	0.107	34.067	6.89	299	27.422	29.821	32.192	36.855	64.7	0.007	1439.8	10
20	-1.772	-1.772	0.112	0.097	34.067	6.87	299	27.422	29.821	32.193	36.856	64.7	0.013	1439.9	19
30	-1.767	-1.768	0.125	0.102	34.068	6.84	297	27.422	29.821	32.193	36.856	64.6	0.019	1440.1	29
40	-1.747	-1.748	0.152	0.122	34.070	6.81	296	27.424	29.822	32.194	36.856	64.4	0.026	1440.3	39
50	-1.703	-1.704	0.204	0.166	34.076	6.75	293	27.427	29.825	32.196	36.857	64.0	0.032	1440.7	49
60	-1.662	-1.663	0.253	0.208	34.082	6.69	291	27.431	29.828	32.198	36.858	63.6	0.039	1441.1	59
70	-1.612	-1.613	0.311	0.258	34.089	6.63	288	27.435	29.832	32.201	36.859	63.1	0.045	1441.5	69
80	-1.523	-1.525	0.408	0.348	34.102	6.49	282	27.443	29.838	32.206	36.862	62.3	0.051	1441.1	79
90	-1.341	-1.343	0.599	0.531	34.129	6.29	274	27.459	29.851	32.216	36.866	60.8	0.057	1443.2	89
100	-1.205	-1.208	0.744	0.669	34.152	6.15	267	27.474	29.863	32.226	36.872	59.4	0.063	1444.0	98
125	-0.637	-0.641	1.336	1.242	34.242	5.69	247	27.524	29.905	32.259	36.886	54.7	0.078	1447.2	123
150	0.195	0.189	2.195	2.082	34.383	5.08	221	27.598	29.966	32.306	36.909	48.0	0.091	1451.6	148
175	0.869	0.861	2.895	2.763	34.509	4.52	196	27.660	30.016	32.347	36.929	42.6	0.102	1455.3	173
200	1.258	1.248	3.307	3.157	34.593	4.24	184	27.701	30.052	32.376	36.947	39.0	0.112	1457.5	197
225	1.585	1.573	3.657	3.488	34.667	4.09	178	27.738	30.084	32.403	36.964	35.8	0.121	1459.5	222
250	1.652	1.640	3.745	3.557	34.693	4.09	178	27.754	30.099	32.417	36.976	34.4	0.130	1460.2	247
275	1.650	1.636	3.762	3.555	34.703	4.11	178	27.762	30.107	32.425	36.984	33.7	0.139	1460.7	271
300	1.628	1.613	3.760	3.534	34.708	4.12	179	27.768	30.113	32.432	36.991	33.3	0.147	1461.0	296
325	1.601	1.585	3.752	3.507	34.713	4.14	180	27.773	30.119	32.438	36.998	32.8	0.155	1461.3	321
350	1.590	1.572	3.760	3.496	34.717	4.16	181	27.777	30.123	32.443	37.003	32.5	0.164	1461.6	346
375	1.570	1.550	3.758	3.476	34.721	4.17	181	27.783	30.129	32.449	37.009	32.1	0.172	1462.0	370
400	1.539	1.518	3.747	3.445	34.724	4.19	182	27.787	30.134	32.454	37.016	31.7	0.180	1462.2	395
425	1.522	1.500	3.748	3.429	34.726	4.21	183	27.791	30.137	32.458	37.020	31.5	0.188	1462.6	420
450	1.504	1.481	3.750	3.411	34.727	4.22	183	27.793	30.140	32.461	37.023	31.4	0.195	1462.9	444
475	1.485	1.460	3.749	3.392	34.728	4.23	184	27.795	30.142	32.463	37.026	31.3	0.203	1463.2	469
500	1.456	1.430	3.739	3.362	34.730	4.25	184	27.798	30.146	32.467	37.031	31.0	0.211	1463.5	494
550	1.411	1.382	3.732	3.318	34.731	4.27	186	27.802	30.151	32.473	37.038	30.7	0.226	1464.1	543
600	1.362	1.330	3.720	3.269	34.731	4.29	186	27.806	30.156	32.478	37.045	30.5	0.242	1464.7	592
650	1.326	1.292	3.722	3.233	34.730	4.31	187	27.809	30.159	32.482	37.050	30.3	0.257	1465.4	642
700	1.305	1.268	3.739	3.212	34.730	4.32	188	27.810	30.160	32.484	37.052	30.3	0.272	1466.1	691
750	1.261	1.222	3.733	3.168	34.729	4.33	188	27.813	30.164	32.488	37.058	30.2	0.287	1466.8	740
800	1.221	1.179	3.730	3.128	34.728	4.34	189	27.815	30.166	32.491	37.062	30.0	0.302	1467.4	790
850	1.192	1.148	3.739	3.099	34.728	4.34	189	27.817	30.168	32.494	37.066	30.0	0.317	1468.1	839
900	1.158	1.110	3.742	3.065	34.726	4.37	190	27.818	30.170	32.496	37.069	29.9	0.332	1468.8	888
950	1.121	1.071	3.743	3.028	34.725	4.41	191	27.820	30.173	32.499	37.073	29.8	0.347	1469.4	937
999	1.096	1.042	3.754	3.002	34.724	4.43	192	27.821	30.174	32.501	37.076	29.7	0.362	1470.1	986

SHCRUS NP9405	STNM 71U	YR/MO/DA 94/10/06	GTIME 05:53	LATITUDE -71.196	LONGITUDE -153.016	DPTH 4340	HT	BARO 977	WND 292	WNS 5	AIRTM -15.1				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
12	-1.780	-1.780	0.098	0.089	34.064	6.88	299	27.419	29.819	32.191	36.855	64.9	0.008	1439.7	11
20	-1.773	-1.773	0.111	0.096	34.065	6.87	299	27.420	29.819	32.191	36.854	64.9	0.013	1439.9	19
30	-1.772	-1.772	0.119	0.097	34.066	6.84	297	27.421	29.819	32.191	36.855	64.7	0.019	1440.0	29
40	-1.765	-1.766	0.134	0.104	34.067	6.81	296	27.421	29.820	32.192	36.855	64.6	0.026	1440.2	39
50	-1.706	-1.707	0.201	0.163	34.076	6.75	293	27.427	29.825	32.196	36.857	64.0	0.032	1440.7	49
60	-1.634	-1.635	0.281	0.236	34.085	6.69	291	27.433	29.830	32.199	36.858	63.4	0.039	1441.2	59
70	-1.606	-1.608	0.317	0.264	34.091	6.63	288	27.437	29.833	32.202	36.860	63.0	0.045	1441.5	69
80	-1.518	-1.520	0.413	0.353	34.107	6.49	282	27.447	29.842	32.209	36.865	62.0	0.051	1442.1	79
90	-1.266	-1.268	0.675	0.607	34.147	6.29	274	27.472	29.863	32.226	36.874	59.6	0.057	1443.5	89
100	-1.078	-1.080	0.873	0.797	34.176	6.15	267	27.488	29.876	32.237	36.878	58.1	0.063	1444.6	98
125	-0.552	-0.556	1.422	1.327	34.261	5.69	247	27.536	29.915	32.268	36.893	53.7	0.077	1447.6	123
150	0.194	0.188	2.194	2.082	34.393	5.08	221	27.606	29.974	32.314	36.916	47.3	0.090	1451.7	148
175	0.950	0.942	2.977	2.845	34.528	4.52	196	27.670	30.026	32.355	36.934	41.7	0.101	1455.7	173
200	1.339	1.330	3.390	3.239	34.611	4.24	184	27.710	30.060	32.383	36.951	38.1	0.111	1457.9	197
225	1.600	1.588	3.673	3.503	34.671	4.09	178	27.740	30.085	32.405	36.965	35.6	0.120	1459.6	222
250	1.645	1.632	3.738	3.550	34.692	4.09	178	27.753	30.098	32.417	36.976	34.5	0.129	1460.2	247
275	1.643	1.629	3.755	3.548	34.699	4.11	178	27.759	30.104	32.423	36.982	34.0	0.137	1460.6	271
300	1.620	1.605	3.751	3.525	34.704	4.12	179	27.765	30.111	32.430	36.989	33.5	0.146	1460.9	296
325	1.607	1.590	3.757	3.513	34.711	4.14	180	27.772	30.117	32.436	36.996	33.0	0.154	1461.3	321
350	1.586	1.568	3.756	3.492	34.715	4.16	181	27.777	30.123	32.442	37.003	32.6	0.162	1461.6	346
375	1.571	1.552	3.760	3.477	34.719	4.17	181	27.781	30.127	32.447	37.007	32.3	0.170	1462.0	370
400	1.538	1.517	3.745	3.444	34.722	4.19	182	27.786	30.133	32.453	37.015	31.9	0.178	1462.2	395
425	1.523	1.501	3.750	3.430	34.725	4.21	183	27.790	30.136	32.457	37.019	31.6	0.186	1462.6	420
450	1.499	1.476	3.745	3.406	34.727	4.22	183	27.793	30.140	32.460	37.023	31.4	0.194	1462.9	444
475	1.479	1.455	3.744	3.386	34.728	4.23	184	27.795	30.143	32.464	37.027	31.2	0.202	1463.2	469
500	1.459	1.433	3.742	3.366	34.729	4.25	184	27.797	30.145	32.466	37.030	31.1	0.210	1463.5	494
550	1.407	1.378	3.728	3.314	34.730	4.27	186	27.802	30.151	32.473	37.038	30.7	0.225	1464.1	543
600	1.364	1.332	3.722	3.271	34.730	4.29	186	27.806	30.155	32.478	37.044	30.5	0.241	1464.7	592
650	1.322	1.288	3.718	3.229	34.730	4.31	187	27.809	30.158	32.482	37.050	30.3	0.256	1465.4	642
700	1.296	1.260	3.730	3.203	34.730	4.32	188	27.810	30.161	32.484	37.053	30.3	0.271	1466.1	691
750	1.259	1.220	3.731	3.166	34.729	4.33	188	27.812	30.163	32.488	37.058	30.2	0.286	1466.8	740
800	1.213	1.171	3.722	3.120	34.728	4.34	189	27.815	30.166	32.491	37.063	30.0	0.301	1467.4	790
850	1.187	1.143	3.734	3.094	34.727	4.34	189	27.816	30.168	32.494	37.066	30.0	0.316	1468.1	839
900	1.153	1.105	3.737	3.060	34.726	4.37	190	27.818	30.170	32.496	37.069	29			

Latitude 71 12 S  
Longitude 153 01 W

Salinity

NF9405 071

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

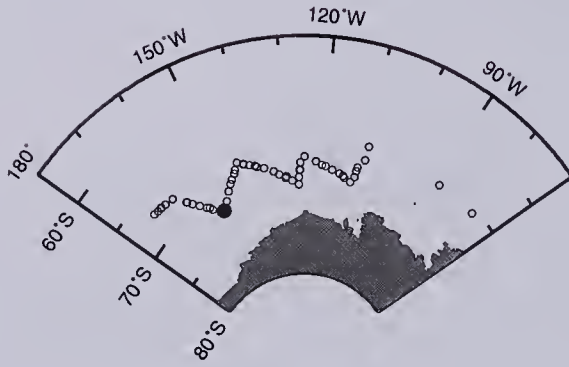
Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

ox

pt

sa



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 72D	YR/MO/DA 94/10/06	GTIME 05:56	LATITUDE -71.196	LONGITUDE -153.015	DEPTH 4340	HT	BARO 977	WIND 295	WNS 5	AIRTM -15.3						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANQM	GEOPT	SVELOC	DEPTH		
dbar	degC	degC	degC	degC	pss	m1/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
12	-1.781	-1.781	0.097	0.088	34.065	6.93	301	27.420	29.819	32.191	36.855	64.9	0.008	1439.7	11		
20	-1.778	-1.778	0.106	0.091	34.065	6.92	301	27.420	29.819	32.191	36.855	64.8	0.013	1439.9	19		
30	-1.770	-1.770	0.122	0.099	34.066	6.89	300	27.421	29.820	32.192	36.856	64.7	0.019	1440.1	29		
40	-1.771	-1.772	0.128	0.098	34.066	6.86	298	27.421	29.820	32.192	36.856	64.6	0.026	1440.2	39		
50	-1.762	-1.762	0.145	0.107	34.068	6.80	296	27.422	29.821	32.193	36.856	64.5	0.032	1440.4	49		
60	-1.653	-1.654	0.262	0.217	34.082	6.73	294	27.431	29.828	32.198	36.858	63.6	0.039	1441.1	59		
70	-1.660	-1.661	0.263	0.210	34.082	6.65	289	27.431	29.828	32.198	36.858	63.5	0.045	1441.3	69		
80	-1.580	-1.582	0.350	0.290	34.093	6.55	285	27.438	29.834	32.203	36.860	62.8	0.051	1441.8	79		
90	-1.322	-1.324	0.618	0.551	34.132	6.38	277	27.462	29.853	32.218	36.867	60.6	0.058	1443.3	89		
100	-1.136	-1.138	0.814	0.738	34.162	6.20	269	27.479	29.868	32.230	36.873	58.9	0.064	1444.3	98		
125	-0.591	-0.595	1.383	1.288	34.249	5.75	250	27.529	29.908	32.261	36.887	54.4	0.078	1447.4	123		
150	0.221	0.215	2.221	2.108	34.389	5.11	222	27.601	29.968	32.309	36.910	47.8	0.091	1451.8	148		
175	0.969	0.961	2.996	2.864	34.528	4.50	196	27.668	30.024	32.352	36.931	41.8	0.102	1455.8	173		
200	1.373	1.363	3.424	3.273	34.617	4.24	184	27.713	30.062	32.385	36.952	37.9	0.112	1458.1	197		
225	1.599	1.588	3.672	3.502	34.670	4.11	178	27.739	30.085	32.404	36.964	35.7	0.121	1459.6	222		
250	1.640	1.628	3.733	3.545	34.691	4.11	179	27.753	30.098	32.416	36.975	34.5	0.130	1460.2	247		
275	1.649	1.634	3.761	3.554	34.699	4.13	179	27.758	30.103	32.422	36.981	34.1	0.138	1460.6	271		
300	1.620	1.605	3.752	3.525	34.704	4.15	180	27.765	30.110	32.429	36.988	33.6	0.147	1460.9	296		
325	1.615	1.598	3.765	3.521	34.710	4.17	181	27.770	30.115	32.434	36.994	33.2	0.155	1461.3	321		
350	1.589	1.571	3.758	3.495	34.715	4.18	182	27.776	30.122	32.442	37.002	32.6	0.163	1461.6	346		
375	1.573	1.554	3.762	3.479	34.719	4.20	182	27.781	30.127	32.446	37.007	32.3	0.171	1462.0	370		
400	1.558	1.537	3.765	3.463	34.722	4.21	183	27.784	30.131	32.450	37.012	32.1	0.179	1462.3	395		
425	1.522	1.500	3.749	3.428	34.725	4.23	184	27.789	30.136	32.456	37.018	31.7	0.187	1462.6	420		
450	1.512	1.489	3.758	3.419	34.727	4.24	184	27.792	30.139	32.459	37.022	31.5	0.195	1462.9	444		
475	1.488	1.464	3.753	3.395	34.728	4.25	185	27.795	30.142	32.463	37.026	31.3	0.203	1463.2	469		
500	1.470	1.444	3.753	3.377	34.729	4.27	186	27.797	30.144	32.466	37.029	31.2	0.211	1463.6	494		
550	1.414	1.385	3.735	3.321	34.731	4.29	186	27.802	30.151	32.473	37.038	30.7	0.226	1464.2	543		
600	1.367	1.336	3.726	3.274	34.731	4.32	188	27.806	30.155	32.478	37.045	30.5	0.242	1464.8	592		
650	1.323	1.289	3.720	3.230	34.730	4.33	188	27.809	30.159	32.482	37.050	30.3	0.257	1465.4	642		
700	1.293	1.256	3.726	3.200	34.730	4.34	189	27.811	30.161	32.485	37.054	30.2	0.272	1466.1	691		
750	1.258	1.219	3.729	3.165	34.729	4.36	189	27.813	30.164	32.488	37.058	30.1	0.287	1466.7	740		
800	1.224	1.181	3.733	3.131	34.728	4.38	190	27.815	30.166	32.491	37.062	30.0	0.302	1467.4	790		
850	1.187	1.142	3.734	3.094	34.727	4.38	190	27.817	30.169	32.494	37.066	29.9	0.317	1468.1	839		
900	1.154	1.107	3.739	3.061	34.726	4.39	191	27.818	30.171	32.497	37.070	29.9	0.332	1468.8	888		
950	1.128	1.077	3.750	3.035	34.726	4.42	192	27.820	30.173	32.499	37.073	29.8	0.347	1469.5	937		
1000	1.092	1.039	3.752	2.998	34.724	4.46	194	27.821	30.175	32.501	37.076	29.7	0.362	1470.1	987		

SHCRUS NP9405	STNM 72U	YR/MO/DA 94/10/06	GTIME 06:19	LATITUDE -71.196	LONGITUDE -153.008	DEPTH 4340	HT	BARO 977	WIND 295	WNS 5	AIRTM -15.3						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANQM	GEOPT	SVELOC	DEPTH		
dbar	degC	degC	degC	degC	pss	m1/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
6	-1.767	-1.767	0.106	0.102	34.062	6.94	302	27.417	29.816	32.188	36.852	65.2	0.004	1439.7	5		
10	-1.785	-1.785	0.091	0.084	34.064	6.94	302	27.419	29.819	32.191	36.855	65.0	0.007	1439.7	9		
20	-1.784	-1.784	0.100	0.085	34.064	6.92	301	27.419	29.818	32.191	36.855	64.9	0.013	1439.8	19		
30	-1.778	-1.778	0.113	0.091	34.064	6.89	300	27.419	29.818	32.190	36.854	64.9	0.019	1440.0	29		
40	-1.767	-1.768	0.132	0.102	34.065	6.86	298	27.420	29.819	32.191	36.854	64.7	0.026	1440.2	39		
50	-1.728	-1.729	0.179	0.141	34.071	6.80	296	27.424	29.822	32.193	36.855	64.3	0.032	1440.6	49		
60	-1.674	-1.675	0.241	0.196	34.080	6.73	293	27.430	29.827	32.198	36.858	63.7	0.039	1441.0	59		
70	-1.577	-1.579	0.346	0.293	34.095	6.65	289	27.439	29.835	32.204	36.861	62.8	0.045	1441.7	69		
80	-1.497	-1.499	0.434	0.374	34.108	6.55	285	27.448	29.842	32.210	36.864	61.9	0.051	1442.2	79		
90	-1.339	-1.341	0.601	0.534	34.134	6.38	277	27.464	29.855	32.220	36.870	60.4	0.058	1443.2	89		
100	-1.098	-1.100	0.852	0.777	34.171	6.20	269	27.485	29.873	32.234	36.876	58.4	0.063	1444.5	98		
125	-0.557	-0.561	1.417	1.323	34.262	5.75	250	27.537	29.916	32.269	36.894	53.6	0.077	1447.6	123		
150	0.142	0.137	2.142	2.029	34.384	5.11	222	27.602	29.970	32.311	36.915	47.7	0.090	1451.4	148		
175	0.991	0.983	3.018	2.887	34.537	4.50	196	27.675	30.030	32.358	36.936	41.2	0.101	1455.9	173		
200	1.378	1.368	3.428	3.278	34.616	4.24	184	27.711	30.060	32.383	36.950	38.1	0.111	1458.1	197		
225	1.611	1.599	3.684	3.515	34.673	4.11	178	27.740	30.086	32.405	36.965	35.6	0.120	1459.6	222		
250	1.639	1.626	3.732	3.544	34.691	4.11	179	27.753	30.098	32.417	36.976	34.5	0.129	1460.2	247		
275	1.620	1.606	3.732	3.525	34.700	4.13	179	27.761	30.107	32.426	36.985	33.8	0.138	1460.5	271		
300	1.619	1.603	3.750	3.525	34.707	4.15	180	27.768	30.113	32.432	36.992	33.3	0.146	1460.9	296		
325	1.604	1.587	3.755	3.510	34.712	4.17	181	27.773	30.118	32.437	36.997	32.9	0.154	1461.3	321		
350	1.580	1.562	3.750	3.486	34.715	4.18	182	27.777	30.123	32.443	37.003	32.6	0.162	1461.6	346		
375	1.563	1.544	3.752	3.469	34.719	4.20	182	27.782	30.128	32.447	37.008	32.2	0.170	1461.9	370		
400	1.538	1.517	3.745	3.444	34.722	4.21	183	27.786	30.133	32.453	37.014	31.9	0.179	1462.2	395		
425	1.519	1.497	3.74														

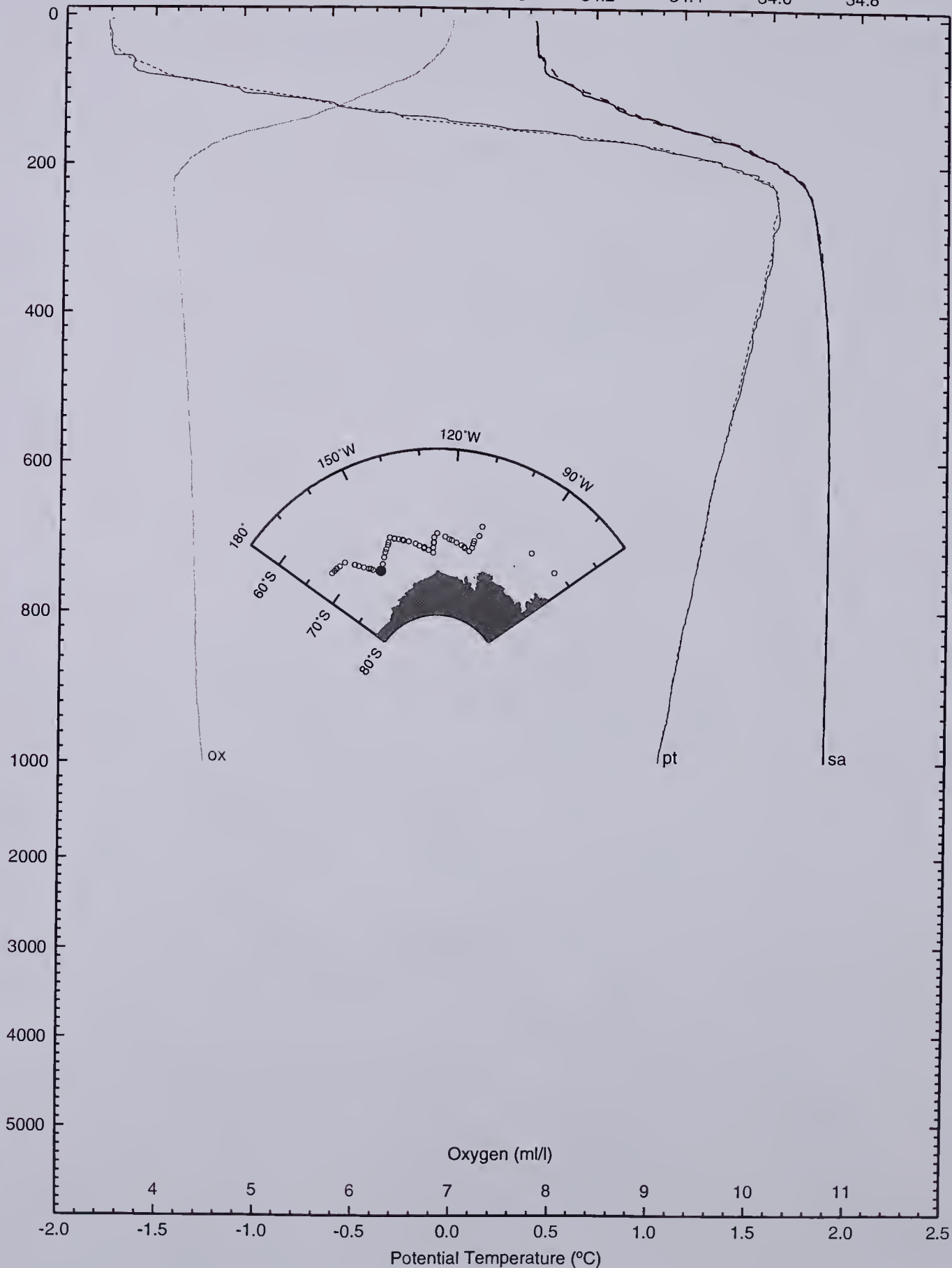
Latitude 71 12 S  
Longitude 153 01 W

Salinity

NP9405 072

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	73D	94/10/06	06:55	-71.196	-153.008	4340		977	292	5	-16.8				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>PRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.742	-1.743	0.131	0.127	34.065	6.99	304	27.419	29.818	32.189	36.852	65.0	0.004	1439.8	5
10	-1.782	-1.783	0.094	0.087	34.066	6.98	304	27.421	29.820	32.192	36.856	64.8	0.006	1439.7	9
20	-1.782	-1.782	0.102	0.087	34.065	6.97	303	27.420	29.819	32.192	36.855	64.8	0.013	1439.8	19
30	-1.781	-1.782	0.110	0.088	34.065	6.94	302	27.420	29.819	32.191	36.855	64.8	0.019	1440.0	29
40	-1.776	-1.777	0.123	0.093	34.066	6.91	300	27.421	29.820	32.192	36.856	64.6	0.026	1440.2	39
50	-1.752	-1.753	0.155	0.117	34.068	6.85	298	27.422	29.821	32.192	36.855	64.5	0.032	1440.5	49
60	-1.690	-1.691	0.225	0.179	34.077	6.75	294	27.428	29.825	32.196	36.857	63.9	0.039	1440.9	59
70	-1.595	-1.596	0.328	0.275	34.091	6.67	290	27.437	29.833	32.202	36.860	63.0	0.045	1441.6	69
80	-1.485	-1.486	0.447	0.386	34.108	6.58	286	27.447	29.841	32.209	36.863	62.0	0.051	1442.3	79
90	-1.390	-1.392	0.550	0.482	34.123	6.46	281	27.456	29.849	32.215	36.866	61.1	0.058	1442.9	89
100	-1.181	-1.183	0.768	0.693	34.155	6.27	273	27.476	29.865	32.227	36.872	59.3	0.064	1444.1	98
125	-0.645	-0.649	1.328	1.234	34.240	5.77	251	27.523	29.904	32.258	36.886	54.8	0.078	1447.2	123
150	0.015	0.009	2.013	1.900	34.352	5.17	225	27.583	29.953	32.296	36.904	49.5	0.091	1450.8	148
175	0.848	0.840	2.874	2.742	34.503	4.58	199	27.657	30.014	32.344	36.927	42.9	0.102	1455.2	173
200	1.348	1.338	3.398	3.248	34.606	4.30	187	27.706	30.055	32.379	36.946	38.5	0.113	1458.0	197
225	1.559	1.548	3.631	3.462	34.658	4.17	181	27.733	30.079	32.399	36.960	36.2	0.122	1459.4	222
250	1.634	1.621	3.726	3.538	34.686	4.12	179	27.749	30.095	32.413	36.973	34.8	0.131	1460.1	247
275	1.626	1.612	3.738	3.531	34.697	4.14	180	27.759	30.104	32.423	36.982	34.0	0.139	1460.5	271
300	1.625	1.610	3.757	3.531	34.708	4.16	181	27.768	30.113	32.432	36.991	33.3	0.148	1461.0	296
325	1.606	1.589	3.757	3.512	34.714	4.19	182	27.774	30.120	32.439	36.999	32.8	0.156	1461.3	321
350	1.582	1.564	3.752	3.488	34.716	4.20	183	27.777	30.123	32.443	37.003	32.5	0.164	1461.6	346
375	1.571	1.552	3.760	3.478	34.719	4.22	183	27.781	30.127	32.447	37.007	32.3	0.172	1462.0	370
400	1.541	1.520	3.748	3.447	34.722	4.23	184	27.786	30.132	32.452	37.014	31.9	0.180	1462.2	395
425	1.527	1.505	3.754	3.434	34.726	4.25	185	27.790	30.137	32.457	37.019	31.6	0.188	1462.6	420
450	1.505	1.482	3.750	3.412	34.727	4.27	185	27.793	30.140	32.460	37.023	31.4	0.196	1462.9	444
475	1.479	1.454	3.743	3.386	34.729	4.28	186	27.796	30.143	32.464	37.028	31.2	0.204	1463.2	469
500	1.462	1.436	3.745	3.369	34.729	4.29	186	27.798	30.145	32.467	37.030	31.1	0.212	1463.5	494
550	1.418	1.390	3.739	3.325	34.731	4.32	188	27.802	30.150	32.472	37.037	30.8	0.227	1464.2	543
600	1.383	1.352	3.742	3.290	34.731	4.34	188	27.805	30.154	32.476	37.042	30.6	0.242	1464.8	592
650	1.338	1.304	3.734	3.245	34.731	4.36	189	27.808	30.158	32.481	37.048	30.4	0.258	1465.5	641
700	1.297	1.260	3.731	3.204	34.730	4.37	190	27.811	30.161	32.485	37.053	30.3	0.273	1466.1	691
750	1.265	1.225	3.736	3.172	34.729	4.39	191	27.813	30.163	32.488	37.057	30.2	0.288	1466.8	740
800	1.224	1.181	3.733	3.131	34.728	4.41	192	27.815	30.166	32.491	37.062	30.0	0.303	1467.4	790
850	1.188	1.143	3.734	3.095	34.727	4.42	192	27.817	30.169	32.494	37.066	29.9	0.318	1468.1	839
900	1.161	1.113	3.745	3.068	34.727	4.42	192	27.818	30.170	32.496	37.069	29.9	0.333	1468.8	888
950	1.132	1.081	3.754	3.039	34.726	4.45	193	27.819	30.172	32.498	37.072	29.9	0.348	1469.5	937
987	1.107	1.054	3.757	3.014	34.725	4.48	195	27.821	30.174	32.501	37.075	29.8	0.359	1470.0	974

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	73U	94/10/06	07:45	-71.196	-153.003	4340		977	292	5	-16.8				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>PRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
12	-1.778	-1.778	0.100	0.091	34.064	6.98	303	27.420	29.819	32.191	36.854	64.9	0.008	1439.7	11
20	-1.774	-1.774	0.110	0.095	34.064	6.97	303	27.419	29.818	32.190	36.854	64.9	0.013	1439.9	19
30	-1.773	-1.774	0.118	0.096	34.064	6.94	302	27.420	29.819	32.191	36.854	64.8	0.019	1440.0	29
40	-1.771	-1.772	0.128	0.098	34.065	6.91	300	27.420	29.819	32.191	36.854	64.7	0.026	1440.2	39
50	-1.732	-1.733	0.175	0.137	34.071	6.85	298	27.424	29.822	32.193	36.856	64.3	0.032	1440.6	49
60	-1.628	-1.629	0.287	0.242	34.088	6.75	294	27.435	29.832	32.201	36.860	63.2	0.039	1441.3	59
70	-1.512	-1.513	0.412	0.359	34.105	6.67	290	27.446	29.840	32.208	36.863	62.2	0.045	1442.0	69
80	-1.387	-1.389	0.545	0.485	34.125	6.58	286	27.458	29.850	32.216	36.867	61.0	0.051	1442.8	79
90	-1.309	-1.312	0.631	0.564	34.137	6.46	281	27.465	29.857	32.221	36.870	60.2	0.057	1443.3	89
100	-1.088	-1.091	0.862	0.787	34.174	6.27	273	27.487	29.875	32.236	36.878	58.2	0.063	1444.6	98
125	-0.569	-0.572	1.406	1.311	34.262	5.77	251	27.538	29.917	32.269	36.895	53.5	0.077	1447.5	123
150	0.110	0.104	2.110	1.997	34.380	5.17	225	27.601	29.969	32.311	36.916	47.8	0.090	1451.3	148
175	0.915	0.907	2.941	2.810	34.520	4.58	199	27.666	30.022	32.352	36.932	42.0	0.101	1455.5	173
200	1.333	1.323	3.383	3.233	34.605	4.30	187	27.706	30.056	32.379	36.947	38.5	0.111	1457.9	197
225	1.535	1.524	3.607	3.438	34.656	4.17	181	27.733	30.079	32.400	36.962	36.2	0.120	1459.3	222
250	1.633	1.620	3.725	3.537	34.683	4.12	179	27.747	30.092	32.411	36.970	35.1	0.129	1460.1	247
275	1.623	1.609	3.735	3.528	34.695	4.14	180	27.758	30.103	32.422	36.981	34.1	0.138	1460.5	271
300	1.624	1.609	3.756	3.529	34.705	4.16	181	27.765	30.111	32.429	36.989	33.5	0.146	1460.9	296
325	1.602	1.585	3.753	3.508	34.711	4.19	182	27.772	30.118	32.437	36.997	32.9	0.155	1461.3	321
350	1.576	1.558	3.746	3.482	34.714	4.20	183	27.777	30.123	32.442	37.003	32.6	0.163	1461.6	346
375	1.560	1.540	3.748	3.466	34.719	4.22	183	27.782	30.128	32.448	37.009	32.2	0.171	1461.9	370
400	1.546	1.525	3.753	3.452	34.722	4.23	184	27.785	30.132	32.452	37.013	32.0	0.179	1462.3	395
425	1.525	1.503	3.752	3.432	34.725	4.25	185	27.789	30.136	32.456	37.018	31.7	0.187	1462.6	420
450	1.501	1.478	3.746	3.408	34.727	4.27	185	27.792	30.140	32.460	37.023	31.4	0.195	1462.9	444
475	1.480	1.456	3.745	3.387	34.727	4.28	186	27.795	30.142	32.463	37.026	31.3	0.203	1463.2	469
500	1.459	1.433	3.742	3.366	34.728	4.29	186	27.797	30.145	32.466	37.030	31.1	0.210	1463.5	494
550	1.417	1.388	3.737	3.324	34.730	4.32	188	27.802	30.150	32.472	37.037	30.8	0.226	1464.2	543
600	1.380	1.349	3.739	3.287	34.730	4.34	188	27.805	30.154	32.476	37.042	30.7	0.241	1464.8	592
650	1.331	1.297	3.728	3.238	34.730	4.36	189	27.808	30.158	32.481	37.049	30.4	0.256	1465.4	642
700	1.293	1.256	3.727	3.200	34.730	4.37	190	27.811	30.161	32.485	37.053	30.3	0.272	1466.1	691
750	1.264	1.225	3.735	3.171	34.729	4.39	191	27.812	30.163	32.487	37.057	30.2	0.287	1466.8	740
800	1.219	1.177	3.729	3.126	34.728	4.41	192	27.815	30.166	32.491	37.062	30.1	0.302	1467.4	790
850	1.187	1.142	3.734	3.094	34.727	4.42	192	27.816	30.168	32.494	37.066	30.0	0.317	1468.1	839
900	1.155	1.108	3.740	3.062	34.726	4.42	192	27.818	30.170	32.496	37.069				

Latitude 71 12 S  
Longitude 153 00 W

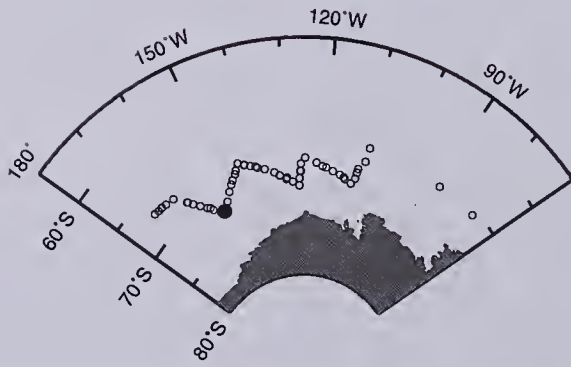
Salinity

NP9405 073

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11  
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5  
Potential Temperature (°C)



SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
NP9405 74D 94/10/06 07:52 -71.196 -153.003 4340 294 5 -18.3

Table with columns: PRES, dbar, TEMPCTD, POTEMP, TE>FRZ, TE>FRS, SALCTD, OXYUP, SIGMA-0, SIGMA.5, SIGMA-1, SIGMA-2, ANOM, GEOPT, SVELOC, DPTH. Contains depth data from 12 to 999 meters.

SHCRUS STNM YR/MO/DA GTIME LATITUDE LONGITUDE DPTH HT BARO WND WNS AIRTM  
NP9405 74U 94/10/06 08:57 -71.195 -152.996 4340 294 5 -18.3

Table with columns: PRES, dbar, TEMPCTD, SALCTD, SALBOT, OXBOT, OKXTD, SI03, PO4, NO3, TCO2, PCO2, F11, F12, F113, EN, DPTH. Contains chemical and depth data from 5 to 1000 meters.

Table with columns: PRES, dbar, TEMPCTD, POTEMP, TE>FRZ, TE>FRS, SALCTD, OXYUP, SIGMA-0, SIGMA.5, SIGMA-1, SIGMA-2, ANOM, GEOPT, SVELOC, DPTH. Contains depth data from 4 to 998 meters.

Latitude 71 12 S  
Longitude 153 00 W

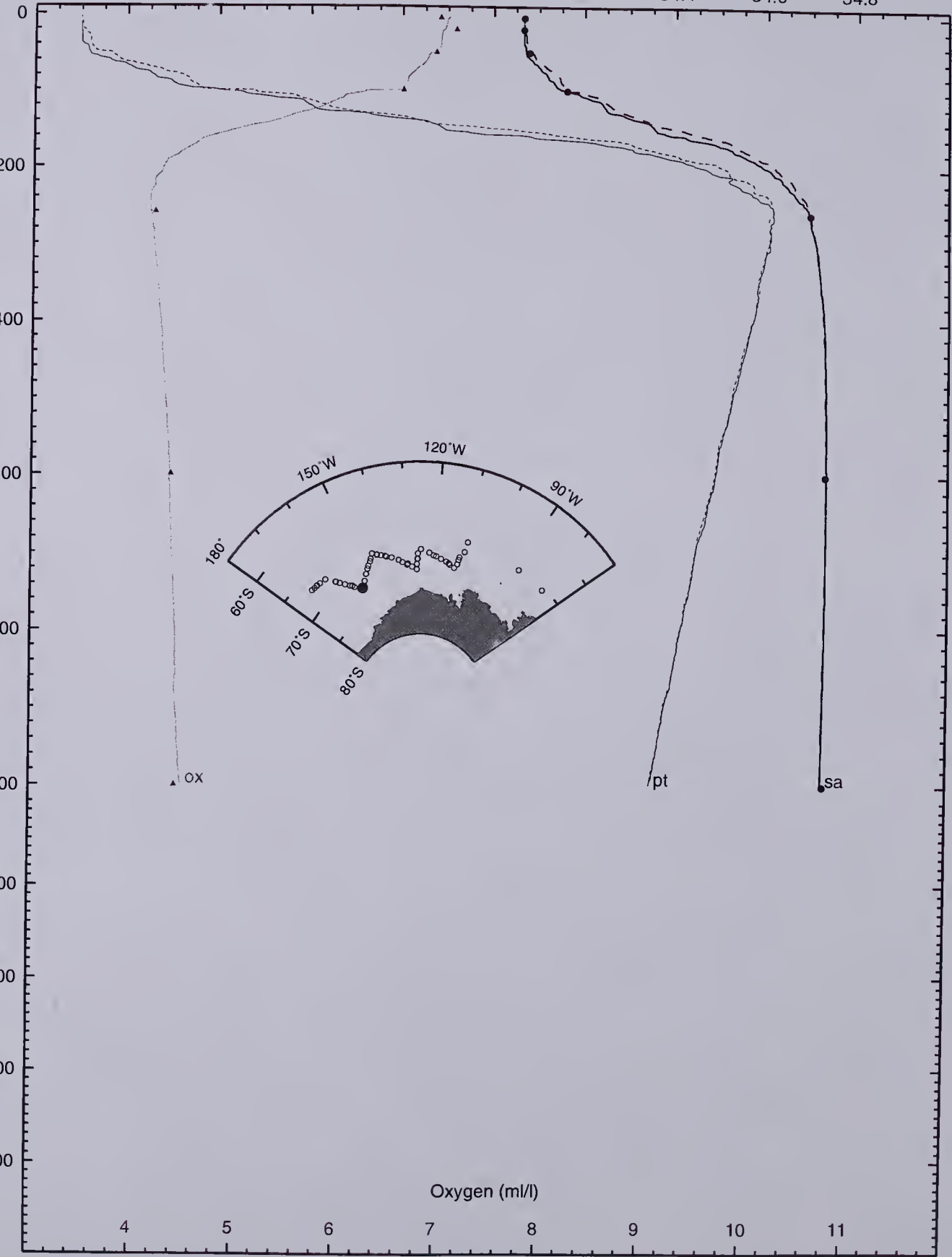
Salinity

NP9405 074

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



Potential Temperature (°C)

4 5 6 7 8 9 10 11

SHCRUS NP9405	STNM 75D	YR/MO/DA 94/10/06	GTIME 09:59	LATITUDE -71.195	LONGITUDE -152.991	DPTH 4340	HT	BARO 976	WND 285	WNS 7	AIRTM -20.3				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
6	-1.777	-1.777	0.096	0.092	34.065	6.97	303	27.420	29.819	32.191	36.855	65.0	0.004	1439.6	5
10	-1.773	-1.773	0.103	0.096	34.064	6.91	300	27.419	29.818	32.190	36.854	65.0	0.006	1439.7	9
20	-1.747	-1.747	0.137	0.122	34.068	6.88	299	27.422	29.821	32.192	36.855	64.7	0.013	1440.0	19
30	-1.739	-1.740	0.153	0.130	34.070	6.86	298	27.423	29.822	32.193	36.855	64.5	0.019	1440.2	29
40	-1.721	-1.722	0.178	0.148	34.073	6.84	297	27.425	29.823	32.194	36.856	64.3	0.026	1440.5	39
50	-1.688	-1.689	0.219	0.181	34.077	6.81	296	27.428	29.825	32.196	36.857	63.9	0.032	1440.8	49
60	-1.654	-1.655	0.261	0.216	34.082	6.76	294	27.431	29.828	32.198	36.858	63.6	0.039	1441.1	59
70	-1.526	-1.528	0.397	0.345	34.101	6.65	289	27.442	29.837	32.205	36.861	62.5	0.045	1441.9	69
80	-1.367	-1.369	0.565	0.505	34.125	6.56	285	27.457	29.849	32.215	36.865	61.1	0.051	1442.9	79
90	-1.281	-1.283	0.660	0.592	34.138	6.43	279	27.465	29.856	32.220	36.868	60.3	0.057	1443.5	89
100	-1.189	-1.191	0.760	0.685	34.154	6.25	271	27.475	29.864	32.227	36.872	59.3	0.063	1444.1	98
125	-0.620	-0.624	1.353	1.259	34.246	5.81	252	27.527	29.907	32.261	36.888	54.5	0.077	1447.3	123
150	-0.093	-0.099	1.904	1.791	34.334	5.15	224	27.573	29.945	32.291	36.901	50.3	0.091	1450.3	148
175	0.675	0.667	2.698	2.567	34.469	4.60	200	27.640	30.000	32.333	36.921	44.4	0.102	1454.3	173
200	1.206	1.196	3.254	3.104	34.575	4.19	182	27.691	30.042	32.368	36.940	39.9	0.113	1457.3	197
225	1.511	1.500	3.583	3.413	34.652	4.06	176	27.731	30.078	32.399	36.961	36.4	0.122	1459.2	222
250	1.627	1.615	3.720	3.531	34.686	4.05	176	27.750	30.095	32.414	36.973	34.8	0.131	1460.1	247
275	1.638	1.624	3.750	3.543	34.699	4.06	177	27.760	30.105	32.424	36.983	33.9	0.140	1460.6	271
300	1.628	1.612	3.759	3.534	34.708	4.08	177	27.768	30.113	32.432	36.991	33.3	0.148	1461.0	296
325	1.599	1.582	3.749	3.505	34.714	4.10	178	27.775	30.120	32.439	36.999	32.7	0.156	1461.3	321
350	1.581	1.563	3.751	3.487	34.717	4.11	179	27.778	30.124	32.443	37.004	32.5	0.165	1461.6	346
375	1.571	1.551	3.760	3.477	34.721	4.13	179	27.783	30.129	32.449	37.009	32.1	0.173	1462.0	370
400	1.552	1.531	3.759	3.458	34.724	4.14	180	27.786	30.133	32.453	37.014	31.9	0.181	1462.3	395
425	1.524	1.502	3.751	3.431	34.726	4.16	181	27.790	30.137	32.457	37.019	31.6	0.189	1462.6	420
450	1.506	1.483	3.752	3.413	34.727	4.17	181	27.793	30.139	32.460	37.023	31.4	0.196	1462.9	444
475	1.487	1.463	3.752	3.394	34.729	4.19	182	27.796	30.143	32.464	37.027	31.2	0.204	1463.2	469
500	1.463	1.437	3.747	3.370	34.730	4.20	182	27.798	30.146	32.467	37.031	31.0	0.212	1463.5	494
550	1.414	1.386	3.735	3.321	34.731	4.21	183	27.802	30.151	32.473	37.038	30.7	0.227	1464.2	543
600	1.371	1.340	3.730	3.278	34.731	4.22	184	27.806	30.155	32.477	37.044	30.6	0.243	1464.8	592
650	1.330	1.296	3.726	3.237	34.730	4.23	184	27.808	30.158	32.481	37.049	30.4	0.258	1465.4	642
700	1.293	1.256	3.727	3.200	34.730	4.24	184	27.811	30.161	32.485	37.054	30.3	0.273	1466.1	691
750	1.259	1.220	3.731	3.166	34.729	4.26	185	27.813	30.164	32.488	37.058	30.1	0.288	1466.8	740
800	1.214	1.172	3.723	3.121	34.728	4.28	186	27.816	30.167	32.492	37.063	30.0	0.303	1467.4	790
850	1.189	1.144	3.736	3.096	34.727	4.27	185	27.817	30.168	32.494	37.066	30.0	0.318	1468.1	839
900	1.150	1.103	3.734	3.057	34.726	4.28	186	27.819	30.171	32.497	37.070	29.8	0.333	1468.7	888
950	1.118	1.068	3.740	3.025	34.725	4.31	187	27.820	30.173	32.500	37.074	29.7	0.348	1469.4	937
1000	1.092	1.039	3.752	2.998	34.724	4.32	188	27.821	30.175	32.502	37.077	29.7	0.363	1470.1	987
1001	1.092	1.038	3.752	2.998	34.724	4.32	188	27.821	30.175	32.502	37.077	29.7	0.363	1470.1	988

SHCRUS NP9405	STNM 75U	YR/MO/DA 94/10/06	GTIME 10:46	LATITUDE -71.194	LONGITUDE -152.987	DPTH 4340	HT	BARO 976	WND 285	WNS 7	AIRTM -20.3				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
10	-1.752	-1.752	0.125	0.117	34.068	6.91	300	27.422	29.821	32.193	36.855	64.7	0.006	1439.8	9
20	-1.742	-1.742	0.142	0.127	34.069	6.88	299	27.423	29.821	32.193	36.855	64.6	0.013	1440.0	19
30	-1.738	-1.738	0.154	0.131	34.070	6.86	298	27.423	29.822	32.193	36.856	64.5	0.019	1440.2	29
40	-1.721	-1.722	0.178	0.148	34.074	6.84	297	27.426	29.824	32.195	36.857	64.2	0.026	1440.5	39
50	-1.688	-1.690	0.219	0.181	34.078	6.81	296	27.428	29.826	32.197	36.857	63.9	0.032	1440.8	49
60	-1.644	-1.645	0.271	0.226	34.085	6.76	294	27.433	29.830	32.200	36.859	63.4	0.039	1441.2	59
70	-1.510	-1.511	0.414	0.361	34.108	6.65	289	27.448	29.843	32.210	36.865	61.9	0.045	1442.0	69
80	-1.371	-1.373	0.562	0.501	34.128	6.56	285	27.460	29.852	32.217	36.868	60.8	0.051	1442.9	79
90	-1.271	-1.274	0.670	0.602	34.146	6.43	279	27.471	29.862	32.226	36.873	59.7	0.057	1443.5	89
100	-1.011	-1.014	0.940	0.865	34.188	6.25	271	27.495	29.882	32.242	36.881	57.4	0.063	1445.0	98
125	-0.552	-0.556	1.422	1.328	34.263	5.81	252	27.538	29.917	32.269	36.894	53.5	0.077	1447.6	123
150	0.123	0.118	2.123	2.010	34.381	5.15	224	27.600	29.968	32.310	36.914	47.9	0.089	1451.3	148
175	0.822	0.815	2.848	2.716	34.505	4.60	200	27.659	30.017	32.348	36.931	42.6	0.101	1455.1	173
200	1.361	1.351	3.412	3.261	34.612	4.19	182	27.710	30.059	32.382	36.949	38.2	0.111	1458.0	197
225	1.587	1.575	3.659	3.490	34.670	4.06	176	27.740	30.086	32.405	36.966	35.6	0.120	1459.5	222
250	1.627	1.614	3.720	3.531	34.686	4.05	176	27.750	30.095	32.414	36.973	34.8	0.129	1460.1	247
275	1.634	1.620	3.746	3.539	34.697	4.06	177	27.758	30.103	32.422	36.981	34.1	0.137	1460.6	271
300	1.630	1.615	3.761	3.535	34.707	4.08	177	27.766	30.112	32.430	36.990	33.4	0.146	1461.0	296
325	1.604	1.587	3.754	3.510	34.712	4.10	178	27.773	30.118	32.437	36.997	32.9	0.154	1461.3	321
350	1.575	1.557	3.745	3.481	34.716	4.11	179	27.778	30.124	32.444	37.004	32.5	0.162	1461.6	346
375	1.572	1.552	3.761	3.478	34.720	4.13	179	27.782	30.128	32.447	37.008	32.2	0.170	1462.0	370
400	1.547	1.526	3.755	3.453	34.723	4.14	180	27.786	30.132	32.452	37.014	31.9	0.178	1462.3	395
425	1.530	1.508	3.757	3.436	34.724	4.16	181	27.788	30.135	32.455	37.017	31.8	0.186	1462.6	420
450	1.509	1.486	3.755	3.416	34.725	4.17	181	27.791	30.138	32.458	37.021	31.6	0.194	1462.9	444
475	1.482	1.458	3.747	3.389	34.728	4.19	182	27.795	30.142	32.463	37.026	31.3	0.202	1463.2	469
500	1.465	1.439	3.749	3.372	34.729	4.20	182	27.797	30.145	32.466	37.030	31.1	0.210	1463.6	494
550	1.405	1.377	3.726	3.312	34.730	4.21	183	27.802	30.151	32.473	37.039	30.7	0.225	1464.1	543
600	1.364	1.333	3.722	3.271	34.730	4.22	184	27.806	30.155	32.477	37.044	30.5	0.241	1464.8	592
650	1.318	1.284	3.714	3.225	34.730	4.23	184	27.809	30.159	32.482	37.050	30.3	0.256	1465.4	642
700	1.290	1.253	3.724	3.197	34.729	4.24	184	27.811	30.161	32.485	37.054	30.3	0.271	1466.1	691
750	1.251	1.212	3.723	3.158	34.729	4.26	185	27.813	30.164	32.488	37.058	30.1	0.286	1466.7	740
800	1.213	1.171	3.722	3.120	34.728	4.28	186	27.815	30.167	32.492	37.063	30.0	0.301	1467.4	790
850	1.185	1.140	3.731	3.092	34.727	4.27	185	27.817	30.169	32.494	37.0				

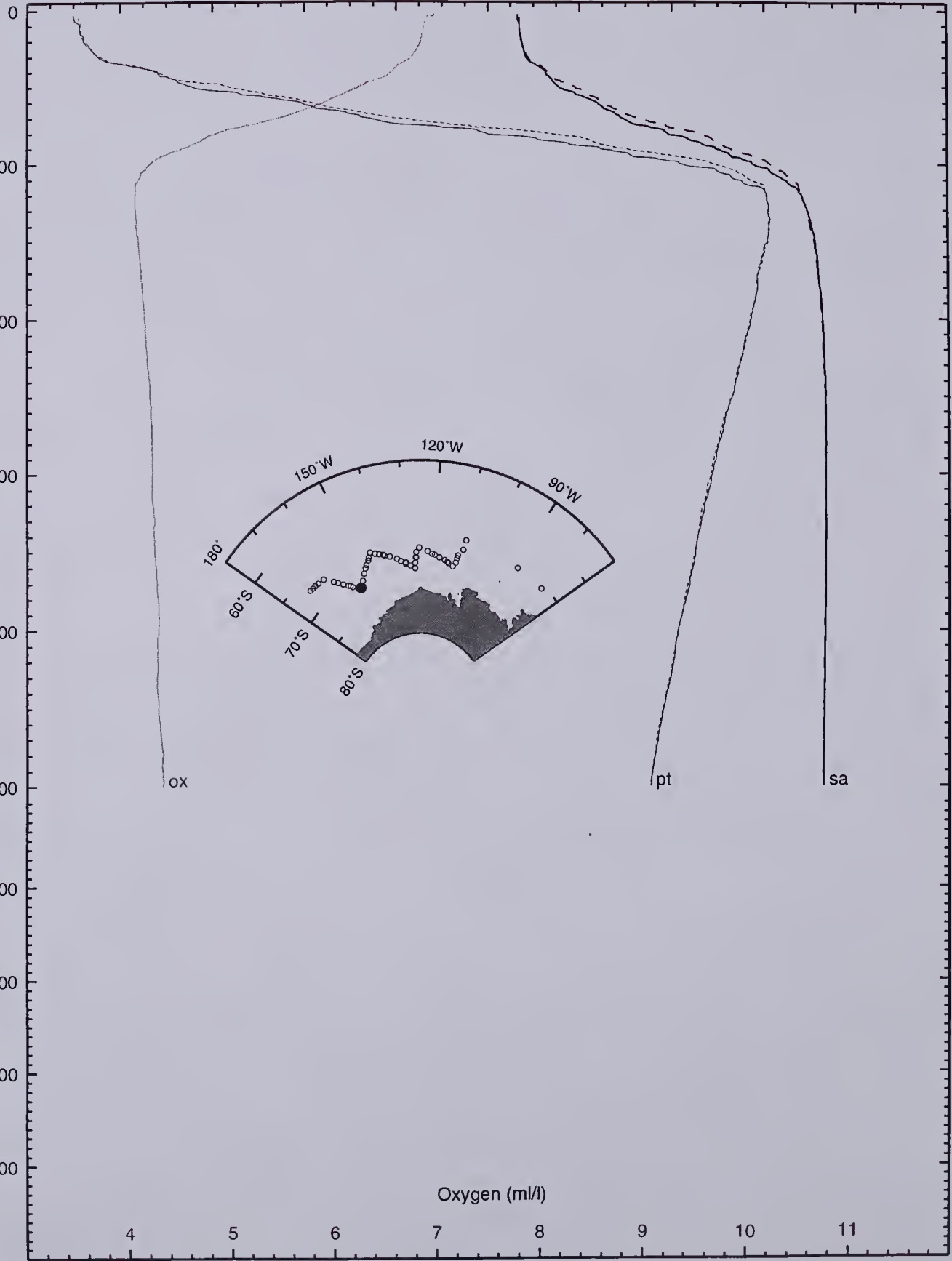
Latitude 71 12 S  
Longitude 152 59 W

Salinity

NP9405 075

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STPM 76D	YR/MO/DA 94/10/06	GTIME 10:49	LATITUDE -71.194	LONGITUDE -152.987	DPTH 4340	HT	BARO 975	WND 287	WNS 4	AIRTM -18.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3	dyn.m	m/s	m	
10	-1.752	-1.752	0.125	0.117	34.068	6.98	304	27.422	29.821	32.193	36.855	64.0	0.006	1439.8	9
20	-1.743	-1.744	0.141	0.126	34.071	6.89	299	27.424	29.822	32.194	36.856	64.5	0.013	1440.0	19
30	-1.741	-1.741	0.151	0.128	34.072	6.85	298	27.425	29.823	32.194	36.857	64.4	0.019	1440.2	29
40	-1.717	-1.718	0.183	0.152	34.075	6.82	297	27.427	29.825	32.196	36.857	64.1	0.026	1440.5	39
50	-1.696	-1.696	0.212	0.173	34.078	6.79	295	27.428	29.826	32.197	36.858	63.9	0.032	1440.8	49
60	-1.659	-1.660	0.256	0.211	34.083	6.76	294	27.431	29.828	32.199	36.858	63.5	0.039	1441.1	59
70	-1.548	-1.549	0.375	0.323	34.098	6.69	291	27.441	29.836	32.205	36.861	62.6	0.045	1441.8	69
80	-1.395	-1.397	0.537	0.477	34.122	6.57	286	27.455	29.848	32.214	36.865	61.2	0.051	1442.7	79
90	-1.335	-1.337	0.605	0.538	34.132	6.46	281	27.461	29.853	32.218	36.868	60.6	0.057	1443.2	89
100	-1.056	-1.059	0.894	0.819	34.175	6.28	273	27.487	29.875	32.235	36.876	58.2	0.063	1444.7	98
125	-0.609	-0.613	1.365	1.270	34.249	5.87	255	27.529	29.909	32.262	36.889	54.3	0.077	1447.3	123
150	-0.159	-0.164	1.837	1.724	34.323	5.31	231	27.568	29.941	32.287	36.900	50.8	0.090	1449.9	148
175	0.756	0.749	2.780	2.649	34.484	4.68	204	27.647	30.006	32.338	36.923	43.7	0.102	1454.7	173
200	1.278	1.268	3.327	3.177	34.590	4.29	187	27.698	30.048	32.372	36.942	39.3	0.113	1457.6	197
225	1.520	1.509	3.591	3.422	34.651	4.12	179	27.729	30.076	32.397	36.959	36.5	0.122	1459.2	222
250	1.623	1.611	3.716	3.527	34.685	4.10	178	27.750	30.095	32.414	36.973	34.8	0.131	1460.1	247
275	1.634	1.620	3.746	3.539	34.697	4.12	179	27.758	30.104	32.422	36.982	34.1	0.139	1460.6	271
300	1.630	1.615	3.762	3.536	34.708	4.13	180	27.767	30.112	32.431	36.990	33.3	0.148	1461.0	296
325	1.606	1.589	3.756	3.512	34.713	4.15	180	27.773	30.119	32.438	36.998	32.9	0.156	1461.3	321
350	1.584	1.566	3.754	3.490	34.717	4.16	181	27.778	30.124	32.443	37.004	32.5	0.164	1461.6	346
375	1.574	1.554	3.763	3.480	34.721	4.18	182	27.782	30.128	32.448	37.009	32.2	0.172	1462.0	370
400	1.548	1.528	3.756	3.454	34.723	4.20	183	27.786	30.133	32.453	37.014	31.9	0.180	1462.3	395
425	1.528	1.506	3.754	3.435	34.725	4.20	183	27.789	30.136	32.456	37.018	31.6	0.188	1462.6	420
450	1.505	1.482	3.751	3.412	34.727	4.22	183	27.792	30.139	32.460	37.022	31.5	0.196	1462.9	444
475	1.480	1.455	3.744	3.387	34.729	4.23	184	27.796	30.143	32.464	37.028	31.2	0.204	1463.2	469
500	1.468	1.442	3.751	3.375	34.730	4.24	184	27.798	30.146	32.467	37.030	31.1	0.212	1463.6	494
550	1.404	1.375	3.725	3.311	34.731	4.25	185	27.803	30.152	32.474	37.039	30.7	0.227	1464.1	543
600	1.362	1.331	3.720	3.269	34.731	4.24	184	27.806	30.155	32.478	37.045	30.5	0.243	1464.7	592
650	1.319	1.285	3.715	3.226	34.730	4.27	185	27.809	30.159	32.482	37.050	30.3	0.258	1465.4	642
700	1.284	1.247	3.718	3.191	34.730	4.28	186	27.811	30.162	32.486	37.055	30.2	0.273	1466.0	691
750	1.252	1.212	3.723	3.159	34.729	4.31	187	27.814	30.164	32.489	37.059	30.1	0.288	1466.7	740
800	1.217	1.175	3.726	3.124	34.728	4.29	186	27.815	30.167	32.492	37.063	30.0	0.303	1467.4	790
850	1.182	1.137	3.729	3.089	34.727	4.31	187	27.817	30.169	32.494	37.067	29.9	0.318	1468.1	839
900	1.146	1.099	3.731	3.053	34.726	4.33	188	27.819	30.171	32.497	37.071	29.8	0.333	1468.7	888
950	1.116	1.065	3.738	3.023	34.725	4.36	189	27.820	30.173	32.500	37.074	29.7	0.348	1469.4	937
999	1.084	1.031	3.743	2.990	34.724	4.38	190	27.822	30.175	32.502	37.077	29.7	0.362	1470.1	986

SHCRUS NP9405	STNM 76U	YR/MO/DA 94/10/06	GTIME 11:36	LATITUDE -71.193	LONGITUDE -152.983	DPTH 4340	HT	BARO 975	WND 287	WNS 4	AIRTM -18.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3	dyn.m	m/s	m	
12	-1.772	-1.772	0.106	0.097	34.066	6.93	301	27.421	29.820	32.192	36.855	64.8	0.008	1439.8	11
20	-1.762	-1.762	0.122	0.107	34.068	6.89	299	27.422	29.821	32.193	36.856	64.7	0.013	1439.9	19
30	-1.733	-1.734	0.158	0.136	34.071	6.85	298	27.424	29.822	32.194	36.856	64.4	0.019	1440.2	29
40	-1.715	-1.716	0.184	0.154	34.075	6.82	297	27.426	29.824	32.196	36.857	64.1	0.026	1440.5	39
50	-1.682	-1.683	0.225	0.187	34.079	6.79	295	27.429	29.826	32.197	36.857	63.8	0.032	1440.8	49
60	-1.663	-1.664	0.252	0.207	34.082	6.76	294	27.431	29.828	32.198	36.858	63.6	0.039	1441.1	59
70	-1.584	-1.585	0.340	0.286	34.096	6.69	291	27.440	29.836	32.205	36.862	62.7	0.045	1441.6	69
80	-1.449	-1.451	0.483	0.423	34.116	6.57	286	27.452	29.846	32.213	36.866	61.5	0.051	1442.5	79
90	-1.337	-1.339	0.604	0.536	34.135	6.46	281	27.464	29.856	32.221	36.870	60.3	0.057	1443.2	89
100	-1.118	-1.121	0.832	0.757	34.170	6.28	273	27.485	29.873	32.234	36.877	58.4	0.063	1444.4	98
125	-0.648	-0.652	1.325	1.231	34.247	5.87	255	27.529	29.909	32.263	36.891	54.3	0.077	1447.2	123
150	-0.064	-0.070	1.934	1.821	34.346	5.31	231	27.582	29.953	32.298	36.908	49.5	0.090	1450.4	148
175	0.730	0.723	2.755	2.623	34.485	4.68	204	27.649	30.008	32.340	36.926	43.6	0.102	1454.6	173
200	1.280	1.271	3.330	3.179	34.593	4.29	187	27.700	30.051	32.375	36.944	39.1	0.112	1457.6	197
225	1.542	1.530	3.614	3.445	34.659	4.12	179	27.735	30.081	32.401	36.963	36.0	0.122	1459.3	222
250	1.634	1.621	3.727	3.539	34.690	4.10	178	27.753	30.098	32.417	36.976	34.5	0.130	1460.2	247
275	1.629	1.615	3.742	3.534	34.703	4.12	179	27.763	30.109	32.427	36.987	33.6	0.139	1460.6	271
300	1.620	1.605	3.752	3.526	34.711	4.13	180	27.771	30.116	32.435	36.994	33.0	0.147	1460.9	296
325	1.603	1.587	3.754	3.509	34.714	4.15	180	27.774	30.120	32.439	36.999	32.8	0.155	1461.3	321
350	1.578	1.560	3.748	3.484	34.719	4.16	181	27.780	30.126	32.445	37.006	32.3	0.163	1461.6	346
375	1.558	1.538	3.747	3.464	34.722	4.18	182	27.784	30.130	32.450	37.011	32.0	0.171	1461.9	370
400	1.545	1.524	3.753	3.451	34.725	4.20	183	27.787	30.134	32.454	37.015	31.8	0.179	1462.3	395
425	1.509	1.487	3.735	3.416	34.726	4.20	183	27.791	30.138	32.458	37.021	31.5	0.187	1462.5	420
450	1.487	1.464	3.732	3.394	34.727	4.22	183	27.794	30.141	32.462	37.025	31.3	0.195	1462.8	444
475	1.466	1.441	3.730	3.373	34.728	4.23	184	27.797	30.144	32.465	37.029	31.1	0.203	1463.1	469
500	1.445	1.419	3.728	3.352	34.729	4.24	184	27.799	30.147	32.468	37.033	30.9	0.211	1463.5	494
550	1.396	1.367	3.717	3.303	34.730	4.25	185	27.803	30.152	32.474	37.040	30.7	0.226	1464.1	543
600	1.346	1.315	3.705	3.253	34.730	4.24	184	27.807	30.156	32.479	37.046	30.4	0.241	1464.7	592
650	1.312	1.278	3.708	3.219	34.730	4.27	185	27.809	30.159	32.483	37.051	30.3	0.257	1465.3	642
700	1.282	1.245	3.715	3.189	34.729	4.28	186	27.811	30.162	32.486	37.055	30.2	0.272	1466.0	691
750	1.249	1.210	3.721	3.156	34.729	4.31	187	27.813	30.164	32.488	37.059	30.1	0.287	1466.7	740
800	1.212	1.171	3.721	3.119	34.728	4.29	186	27.815	30.167	32.492	37.063	30.0	0.302	1467.4	790
850	1.179	1.134	3.726	3.086	34.727	4.31	187	27.817	30.169	32.494	37.067	29.9	0.317	1468.0	839
900	1.146	1.099	3.731	3.053	34.726	4.33	188	27.818	30.171	32.497	37.0				

Latitude 71 12 S  
Longitude 152 59 W

Salinity

NP9405 076

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

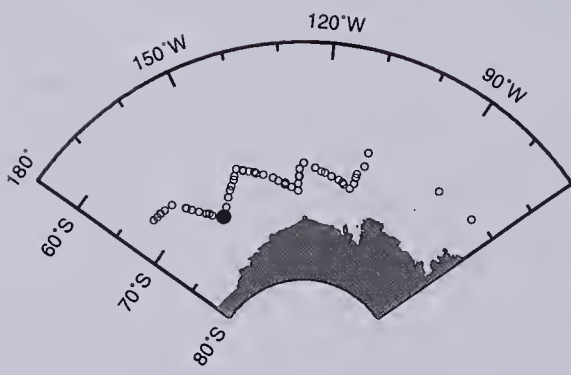
Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

ox

pt

sa



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM						
NP9405	77D	94/10/06	11:39	-71.193	-152.983	4340		975	240	4	-17.9						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	ps	m/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
12	-1.774	-1.774	0.104	0.095	34.067	6.91	300	27.422	29.821	32.193	36.856	64.7	0.008	1439.7	11		
20	-1.769	-1.770	0.115	0.100	34.067	6.89	299	27.422	29.821	32.193	36.856	64.7	0.013	1439.9	19		
30	-1.743	-1.744	0.148	0.126	34.071	6.87	299	27.424	29.822	32.194	36.856	64.4	0.019	1440.2	29		
40	-1.721	-1.722	0.178	0.148	34.074	6.85	298	27.426	29.824	32.196	36.857	64.1	0.026	1440.5	39		
50	-1.681	-1.682	0.226	0.189	34.080	6.80	296	27.429	29.827	32.197	36.858	63.8	0.032	1440.8	49		
60	-1.668	-1.669	0.247	0.202	34.081	6.75	293	27.430	29.828	32.198	36.858	63.6	0.039	1441.1	59		
70	-1.556	-1.558	0.367	0.315	34.097	6.62	288	27.440	29.836	32.204	36.861	62.7	0.045	1441.8	69		
80	-1.425	-1.427	0.507	0.447	34.117	6.51	283	27.453	29.846	32.212	36.865	61.5	0.051	1442.6	79		
90	-1.240	-1.242	0.701	0.633	34.145	6.36	276	27.469	29.859	32.223	36.869	59.9	0.057	1443.7	89		
100	-1.101	-1.103	0.849	0.774	34.168	6.21	270	27.483	29.871	32.232	36.874	58.6	0.063	1444.5	98		
125	-0.506	-0.510	1.468	1.374	34.263	5.75	250	27.536	29.914	32.266	36.890	53.7	0.077	1447.8	123		
150	-0.003	-0.008	1.995	1.882	34.349	5.21	226	27.581	29.951	32.295	36.903	49.6	0.090	1450.7	148		
175	0.725	0.717	2.749	2.617	34.478	4.66	202	27.644	30.003	32.336	36.922	44.0	0.102	1454.6	173		
200	1.207	1.197	3.255	3.105	34.576	4.30	187	27.691	30.043	32.368	36.940	39.9	0.112	1457.3	197		
225	1.544	1.533	3.616	3.447	34.657	4.15	180	27.733	30.079	32.399	36.961	36.2	0.122	1459.3	222		
250	1.631	1.618	3.724	3.535	34.689	4.11	178	27.752	30.097	32.416	36.975	34.6	0.130	1460.1	247		
275	1.633	1.619	3.746	3.538	34.702	4.13	179	27.762	30.107	32.426	36.985	33.7	0.139	1460.6	271		
300	1.624	1.608	3.755	3.530	34.711	4.14	180	27.771	30.116	32.435	36.994	33.0	0.147	1461.0	296		
325	1.605	1.588	3.755	3.511	34.715	4.17	181	27.775	30.121	32.440	37.000	32.7	0.156	1461.3	321		
350	1.580	1.562	3.750	3.486	34.719	4.18	182	27.780	30.126	32.446	37.006	32.3	0.164	1461.6	346		
375	1.565	1.546	3.754	3.471	34.723	4.20	182	27.785	30.131	32.450	37.011	31.9	0.172	1461.9	370		
400	1.548	1.527	3.756	3.455	34.726	4.22	183	27.788	30.135	32.455	37.016	31.7	0.180	1462.3	395		
425	1.507	1.485	3.734	3.414	34.727	4.23	184	27.792	30.139	32.460	37.022	31.4	0.188	1462.5	420		
450	1.489	1.466	3.734	3.396	34.728	4.25	184	27.795	30.142	32.463	37.026	31.2	0.195	1462.8	444		
475	1.469	1.444	3.733	3.376	34.729	4.26	185	27.797	30.145	32.466	37.029	31.1	0.203	1463.2	469		
500	1.446	1.420	3.729	3.353	34.730	4.26	185	27.800	30.148	32.469	37.033	30.9	0.211	1463.5	494		
550	1.407	1.379	3.728	3.314	34.731	4.26	185	27.803	30.151	32.473	37.039	30.7	0.226	1464.1	543		
600	1.361	1.330	3.720	3.268	34.730	4.26	185	27.806	30.155	32.478	37.045	30.5	0.242	1464.7	592		
650	1.315	1.281	3.711	3.222	34.730	4.25	185	27.809	30.159	32.483	37.051	30.3	0.257	1465.4	642		
700	1.285	1.248	3.719	3.192	34.730	4.26	185	27.811	30.162	32.485	37.055	30.2	0.272	1466.0	691		
750	1.254	1.215	3.726	3.161	34.729	4.28	186	27.813	30.164	32.488	37.059	30.1	0.287	1466.7	740		
800	1.217	1.175	3.726	3.124	34.728	4.30	187	27.815	30.167	32.492	37.063	30.0	0.302	1467.4	790		
850	1.183	1.139	3.730	3.090	34.727	4.35	189	27.817	30.169	32.494	37.067	29.9	0.317	1468.1	839		
900	1.147	1.100	3.732	3.054	34.726	4.38	190	27.819	30.171	32.497	37.071	29.8	0.332	1468.7	888		
950	1.111	1.061	3.733	3.018	34.725	4.39	191	27.820	30.174	32.500	37.075	29.7	0.347	1469.4	937		
1000	1.084	1.031	3.744	2.990	34.724	4.41	192	27.822	30.175	32.502	37.077	29.6	0.362	1470.1	987		

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM						
NP9405	77U	94/10/06	12:27	-71.193	-152.979	4340		975	240	4	-17.9						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	ps	m/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
11	-1.770	-1.771	0.107	0.099	34.066	6.92	301	27.421	29.820	32.192	36.855	64.8	0.007	1439.7	10		
20	-1.748	-1.748	0.136	0.121	34.069	6.89	299	27.423	29.822	32.193	36.856	64.6	0.013	1440.2	19		
30	-1.742	-1.743	0.149	0.127	34.071	6.87	299	27.424	29.822	32.194	36.856	64.4	0.019	1440.2	29		
40	-1.740	-1.740	0.160	0.129	34.072	6.85	298	27.425	29.823	32.195	36.857	64.3	0.026	1440.4	39		
50	-1.685	-1.686	0.222	0.185	34.079	6.80	296	27.429	29.827	32.197	36.858	63.8	0.032	1440.8	49		
60	-1.655	-1.656	0.260	0.215	34.084	6.75	293	27.432	29.829	32.199	36.859	63.5	0.039	1441.1	59		
70	-1.466	-1.467	0.458	0.406	34.114	6.62	288	27.451	29.845	32.212	36.866	61.6	0.045	1442.2	69		
80	-1.325	-1.327	0.608	0.548	34.135	6.51	283	27.464	29.855	32.220	36.869	60.4	0.051	1443.1	79		
90	-1.202	-1.204	0.740	0.672	34.160	6.36	276	27.480	29.870	32.232	36.878	58.9	0.057	1443.9	89		
100	-0.967	-0.970	0.984	0.909	34.195	6.21	270	27.500	29.886	32.244	36.882	57.0	0.063	1445.2	98		
125	-0.506	-0.510	1.468	1.375	34.273	5.75	250	27.544	29.922	32.274	36.897	52.9	0.077	1447.9	123		
150	0.155	0.149	2.155	2.042	34.380	5.21	226	27.598	29.966	32.307	36.910	48.1	0.089	1451.5	148		
175	0.782	0.775	2.808	2.675	34.498	4.66	202	27.656	30.014	32.346	36.930	42.9	0.101	1454.9	173		
200	1.279	1.270	3.329	3.178	34.594	4.30	187	27.701	30.051	32.375	36.945	39.0	0.111	1457.6	197		
225	1.527	1.516	3.600	3.430	34.660	4.15	180	27.736	30.083	32.403	36.965	35.9	0.120	1459.2	222		
250	1.629	1.616	3.721	3.533	34.688	4.11	178	27.751	30.097	32.415	36.975	34.6	0.129	1460.1	247		
275	1.635	1.621	3.748	3.540	34.702	4.13	179	27.762	30.107	32.426	36.985	33.7	0.137	1460.6	271		
300	1.628	1.613	3.760	3.534	34.709	4.14	180	27.768	30.113	32.432	36.991	33.2	0.146	1461.0	296		
325	1.605	1.588	3.756	3.511	34.714	4.17	181	27.774	30.120	32.439	36.999	32.7	0.154	1461.3	321		
350	1.582	1.564	3.752	3.488	34.718	4.18	182	27.780	30.125	32.445	37.005	32.3	0.162	1461.6	346		
375	1.569	1.550	3.758	3.475	34.722	4.20	182	27.783	30.129	32.449	37.010	32.1	0.170	1462.0	370		
400	1.549	1.529	3.757	3.455	34.725	4.22	183	27.787	30.133	32.453	37.015	31.8	0.178	1462.3	395		
425	1.522	1.500	3.748	3.429	34.727	4.23	184	27.791	30.138	32.458	37.020	31.5	0.186	1462.6	420		
450	1.495	1.472	3.741	3.402	34.728	4.25	184	27.794	30.141	32.462	37.025	31.3	0.194	1462.9	444		
475	1.474	1.450	3.739	3.381	34.729	4.26	185	27.797	30.144	32.465	37.029	31.1	0.202	1463.2	469		
500	1.453	1.427	3.736	3.360	34.729	4.26	185	27.798	30.146	32.467	37.032	31.0	0.210	1463.5	494		
550	1.413	1.384	3.733	3.320	34.730	4.26	185	27.802	30.150	32.472	37.037	30.8	0.225	1464.1	543		
600	1.364	1.332	3.722	3.271	34.730	4.26	185	27.805	30.154	32.477	37.044	30.6	0.240	1464.7	592		
650	1.320	1.286	3.716	3.227	34.729	4.25	185	27.808	30.158	32.481	37.050	30.4	0.256	1465.4	642		
700	1.286	1.249	3.720	3.193	34.729	4.26	185	27.811	30.161	32.485	37.054	30.3	0.271	1466.0	691		
750	1.249	1.210	3.721	3.156	34.728	4.28	186	27.813	30.164	32.488							

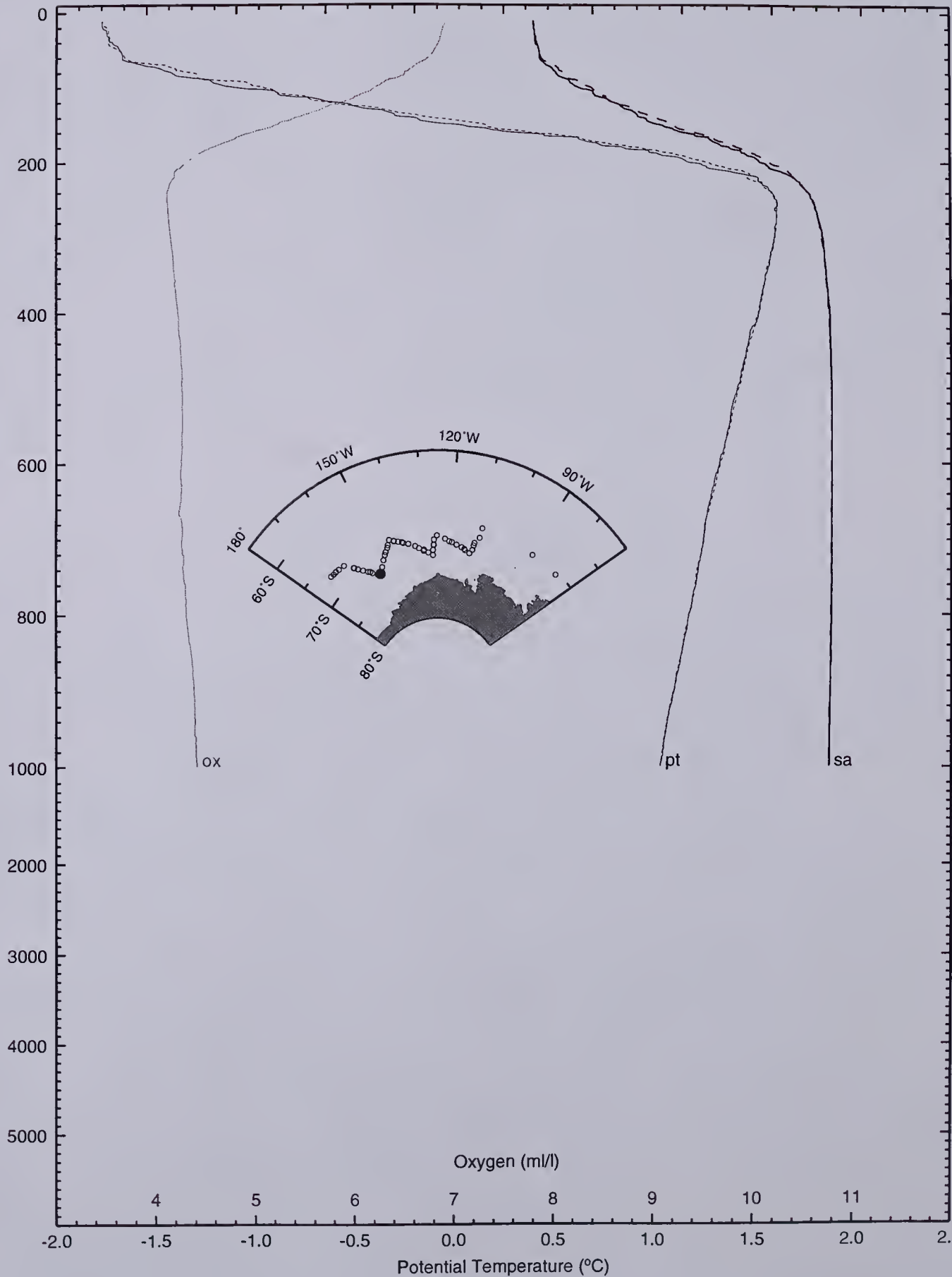
Latitude 71 12 S  
Longitude 152 59 W

Salinity

NP9405 077

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





SHCRUS NP9405	STNM 78D	YR/MO/DA 94/10/06	GTIME 12:39	LATITUDE -71.193	LONGITUDE -153.000	DPTH 4340	HT	BARO 975	WND 238	WNS 3	AIRTM -18.1							
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH			
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m			
11	-1.770	-1.771	0.107	0.099	34.068	6.93	301	27.422	29.821	32.193	36.857	64.7	0.007	1439.8	10			
20	-1.759	-1.759	0.125	0.110	34.069	6.92	301	27.423	29.822	32.194	36.857	64.6	0.013	1440.0	19			
30	-1.750	-1.750	0.142	0.119	34.071	6.89	300	27.425	29.823	32.195	36.857	64.4	0.019	1440.2	29			
40	-1.741	-1.741	0.159	0.128	34.073	6.85	298	27.425	29.824	32.195	36.858	64.2	0.026	1440.4	39			
50	-1.680	-1.681	0.227	0.190	34.080	6.80	296	27.430	29.827	32.198	36.858	63.7	0.032	1440.8	49			
60	-1.656	-1.657	0.259	0.214	34.084	6.72	292	27.432	29.829	32.199	36.859	63.5	0.039	1441.1	59			
70	-1.485	-1.487	0.438	0.386	34.107	6.64	289	27.446	29.841	32.208	36.862	62.1	0.045	1442.1	69			
80	-1.334	-1.336	0.599	0.539	34.131	6.58	286	27.461	29.853	32.218	36.867	60.7	0.051	1443.0	79			
90	-1.158	-1.160	0.784	0.716	34.160	6.50	282	27.478	29.867	32.229	36.873	59.1	0.057	1444.1	89			
100	-0.965	-0.968	0.986	0.911	34.191	6.33	275	27.497	29.883	32.242	36.879	57.3	0.063	1445.2	98			
125	-0.628	-0.631	1.345	1.251	34.246	5.88	256	27.527	29.908	32.261	36.889	54.5	0.077	1447.3	123			
150	0.107	0.102	2.106	1.993	34.370	5.16	224	27.592	29.961	32.303	36.907	48.6	0.090	1451.2	148			
175	0.777	0.769	2.801	2.670	34.489	4.63	201	27.650	30.008	32.340	36.924	43.5	0.101	1454.8	173			
200	1.249	1.240	3.298	3.148	34.586	4.29	187	27.696	30.047	32.372	36.942	39.4	0.112	1457.5	197			
225	1.486	1.475	3.558	3.388	34.649	4.14	180	27.730	30.077	32.398	36.962	36.4	0.121	1459.0	222			
250	1.628	1.615	3.721	3.532	34.688	4.13	180	27.752	30.097	32.416	36.975	34.6	0.130	1460.1	247			
275	1.638	1.624	3.751	3.543	34.702	4.15	181	27.762	30.107	32.425	36.984	33.8	0.138	1460.6	271			
300	1.630	1.615	3.761	3.536	34.709	4.17	181	27.769	30.114	32.433	36.992	33.2	0.147	1461.0	296			
325	1.611	1.594	3.762	3.517	34.715	4.20	182	27.774	30.120	32.439	36.998	32.8	0.155	1461.3	321			
350	1.593	1.575	3.763	3.499	34.719	4.21	183	27.779	30.125	32.444	37.004	32.4	0.163	1461.7	346			
375	1.575	1.555	3.763	3.481	34.722	4.23	184	27.783	30.129	32.448	37.009	32.1	0.171	1462.0	370			
400	1.558	1.537	3.765	3.465	34.725	4.25	184	27.787	30.133	32.453	37.014	31.9	0.179	1462.3	395			
425	1.531	1.509	3.758	3.438	34.727	4.26	185	27.791	30.137	32.458	37.020	31.5	0.187	1462.6	420			
450	1.510	1.487	3.756	3.417	34.728	4.27	185	27.793	30.140	32.461	37.023	31.4	0.195	1462.9	444			
475	1.482	1.458	3.747	3.389	34.730	4.27	186	27.796	30.144	32.465	37.028	31.1	0.203	1463.2	469			
500	1.457	1.431	3.740	3.364	34.730	4.28	186	27.799	30.146	32.468	37.032	31.0	0.211	1463.5	494			
550	1.415	1.387	3.736	3.322	34.730	4.28	186	27.802	30.150	32.472	37.038	30.8	0.226	1464.2	543			
600	1.365	1.334	3.724	3.272	34.730	4.29	186	27.806	30.155	32.478	37.044	30.5	0.241	1464.8	592			
650	1.328	1.294	3.725	3.235	34.730	4.29	186	27.808	30.158	32.481	37.049	30.4	0.257	1465.4	642			
700	1.290	1.254	3.724	3.197	34.729	4.29	186	27.811	30.161	32.485	37.054	30.3	0.272	1466.1	691			
750	1.249	1.209	3.720	3.156	34.729	4.32	188	27.813	30.164	32.489	37.059	30.1	0.287	1466.7	740			
800	1.218	1.176	3.727	3.125	34.728	4.35	189	27.815	30.167	32.492	37.063	30.0	0.302	1467.4	790			
850	1.183	1.138	3.729	3.090	34.727	4.39	191	27.817	30.169	32.494	37.067	29.9	0.317	1468.1	839			
900	1.151	1.103	3.735	3.058	34.727	4.42	192	27.819	30.171	32.497	37.070	29.8	0.332	1468.7	888			
950	1.116	1.066	3.738	3.023	34.725	4.44	193	27.820	30.173	32.500	37.074	29.7	0.347	1469.4	937			
1000	1.084	1.031	3.743	2.990	34.724	4.46	194	27.822	30.175	32.502	37.077	29.7	0.361	1470.1	987			

SHCRUS NP9405	STNM 78U	YR/MO/DA 94/10/06	GTIME 13:30	LATITUDE -71.191	LONGITUDE -152.977	DPTH 4340	HT	BARO 975	WND 238	WNS 3	AIRTM -18.1							
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH			
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m			
11	-1.755	-1.755	0.122	0.114	34.069	6.93	301	27.423	29.821	32.193	36.856	64.6	0.007	1439.8	10			
20	-1.753	-1.753	0.131	0.116	34.069	6.92	301	27.423	29.822	32.193	36.856	64.6	0.013	1440.0	19			
30	-1.754	-1.755	0.137	0.115	34.070	6.89	300	27.424	29.822	32.194	36.857	64.4	0.019	1440.1	29			
40	-1.698	-1.699	0.202	0.171	34.078	6.85	298	27.429	29.826	32.197	36.858	63.9	0.026	1440.6	39			
50	-1.627	-1.628	0.281	0.243	34.087	6.80	296	27.434	29.831	32.201	36.859	63.3	0.032	1441.1	49			
60	-1.534	-1.535	0.382	0.337	34.103	6.72	292	27.445	29.840	32.208	36.864	62.3	0.038	1441.7	59			
70	-1.443	-1.444	0.482	0.429	34.117	6.64	289	27.453	29.846	32.213	36.866	61.5	0.045	1442.3	69			
80	-1.356	-1.358	0.577	0.516	34.129	6.58	286	27.460	29.852	32.217	36.867	60.8	0.051	1442.9	79			
90	-1.321	-1.323	0.620	0.552	34.136	6.50	282	27.465	29.856	32.221	36.870	60.3	0.057	1443.3	89			
100	-1.104	-1.106	0.847	0.771	34.173	6.33	275	27.487	29.875	32.236	36.878	58.2	0.063	1444.5	98			
125	-0.660	-0.664	1.313	1.219	34.246	5.88	256	27.529	29.909	32.263	36.892	54.3	0.077	1447.1	123			
150	0.170	0.164	2.170	2.057	34.385	5.16	224	27.601	29.969	32.310	36.913	47.8	0.090	1451.5	148			
175	0.850	0.843	2.876	2.744	34.508	4.63	201	27.660	30.017	32.348	36.930	42.5	0.101	1455.2	173			
200	1.302	1.292	3.352	3.201	34.600	4.29	187	27.704	30.055	32.378	36.947	38.7	0.111	1457.7	197			
225	1.588	1.576	3.660	3.491	34.666	4.14	180	27.736	30.082	32.402	36.962	35.9	0.120	1459.5	222			
250	1.643	1.630	3.736	3.548	34.692	4.13	180	27.753	30.099	32.417	36.976	34.4	0.129	1460.2	247			
275	1.637	1.623	3.750	3.542	34.702	4.15	181	27.762	30.107	32.426	36.985	33.7	0.138	1460.6	271			
300	1.626	1.611	3.757	3.532	34.710	4.17	181	27.769	30.114	32.433	36.992	33.2	0.146	1461.0	296			
325	1.607	1.591	3.758	3.513	34.714	4.20	182	27.774	30.120	32.439	36.999	32.8	0.154	1461.3	321			
350	1.584	1.566	3.754	3.490	34.719	4.21	183	27.780	30.126	32.445	37.005	32.3	0.162	1461.6	346			
375	1.567	1.547	3.755	3.473	34.722	4.23	184	27.784	30.130	32.449	37.010	32.1	0.170	1461.9	370			
400	1.542	1.521	3.750	3.449	34.725	4.25	184	27.788	30.135	32.455	37.016	31.7	0.178	1462.3	395			
425	1.525	1.503	3.752	3.432	34.727	4.26	185	27.791	30.137	32.458	37.020	31.5	0.186	1462.6	420			
450	1.502	1.479	3.747	3.409	34.728	4.27	185	27.793	30.140	32.461	37.024	31.4	0.194	1462.9	444			
475	1.476	1.451	3.740	3.383	34.729	4.27	186	27.796	30.144	32.465	37.028	31.1	0.202	1463.2	469			
500	1.451	1.425	3.735	3.358	34.729	4.28	186	27.798	30.146	32.467	37.032	31.0	0.210	1463.5	494			
550	1.407	1.378	3.728	3.314	34.730	4.28	186	27.802	30.150	32.472	37.038	30.8	0.225	1464.1	543			
600	1.362	1.331	3.720	3.269	34.730	4.29	186	27.805	30.155	32.477	37.044	30.5	0.240	1464.7	592			
650	1.322	1.288	3.718	3.229	34.730	4.29												

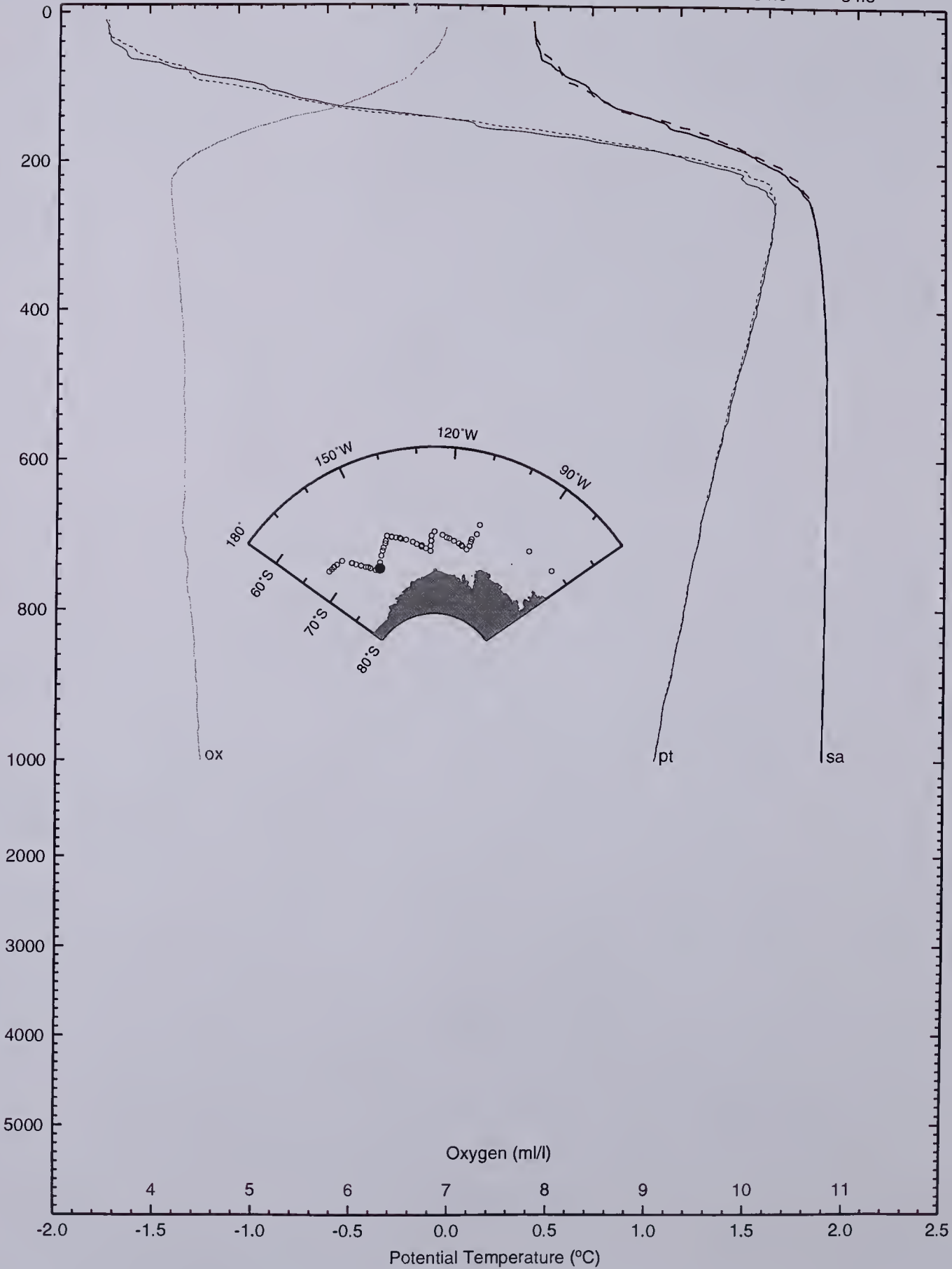
Latitude 71 12 S  
Longitude 152 00 W

Salinity

NP9405 078

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 79D	YR/MO/DA 94/10/06	GTIME 13:38	LATITUDE -71.192	LONGITUDE -152.978	DPTH 4340	HT	BARO 974	WND 223	WNS 5	AIRTM -18.7					
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
11	-1.757	-1.757	0.120	0.112	34.070	6.98	303	27.424	29.823	32.194	36.857	64.5	0.007	1439.8	10	
20	-1.762	-1.762	0.122	0.107	34.070	6.97	303	27.424	29.822	32.194	36.857	64.5	0.013	1439.9	19	
30	-1.752	-1.752	0.140	0.117	34.071	6.96	302	27.424	29.823	32.195	36.858	64.4	0.019	1440.2	29	
40	-1.706	-1.707	0.193	0.163	34.077	6.92	301	27.428	29.826	32.197	36.858	64.0	0.026	1440.5	39	
50	-1.620	-1.621	0.288	0.250	34.089	6.86	298	27.435	29.831	32.201	36.860	63.3	0.032	1441.1	49	
60	-1.544	-1.545	0.372	0.327	34.100	6.79	295	27.442	29.837	32.205	36.862	62.6	0.038	1441.7	59	
70	-1.494	-1.495	0.430	0.377	34.108	6.75	294	27.447	29.841	32.209	36.863	62.0	0.045	1442.1	69	
80	-1.379	-1.381	0.553	0.493	34.125	6.70	291	27.458	29.850	32.216	36.867	61.0	0.051	1442.8	79	
90	-1.363	-1.365	0.577	0.509	34.129	6.64	289	27.460	29.852	32.217	36.868	60.8	0.057	1443.1	89	
100	-1.220	-1.222	0.729	0.654	34.151	6.49	282	27.473	29.863	32.226	36.872	59.5	0.063	1443.9	98	
125	-0.729	-0.732	1.244	1.149	34.229	5.93	258	27.518	29.900	32.255	36.885	55.3	0.077	1446.8	123	
150	0.053	0.048	2.052	1.939	34.355	5.24	228	27.583	29.953	32.296	36.902	49.4	0.090	1451.0	148	
175	0.653	0.646	2.677	2.545	34.465	4.74	206	27.638	29.998	32.332	36.920	44.5	0.102	1454.2	173	
200	1.235	1.226	3.284	3.133	34.581	4.32	188	27.694	30.045	32.370	36.941	39.6	0.113	1457.4	197	
225	1.584	1.572	3.656	3.487	34.664	4.15	180	27.735	30.081	32.401	36.961	36.0	0.122	1459.5	222	
250	1.650	1.637	3.743	3.555	34.694	4.14	180	27.754	30.099	32.418	36.977	34.4	0.131	1460.2	247	
275	1.636	1.622	3.749	3.541	34.704	4.16	181	27.764	30.109	32.428	36.987	33.6	0.139	1460.6	271	
300	1.626	1.611	3.758	3.532	34.710	4.18	182	27.770	30.115	32.434	36.993	33.1	0.148	1461.0	296	
325	1.612	1.595	3.763	3.518	34.715	4.20	183	27.775	30.120	32.439	36.999	32.7	0.156	1461.3	321	
350	1.583	1.565	3.753	3.489	34.719	4.22	183	27.780	30.126	32.445	37.006	32.3	0.164	1461.6	346	
375	1.578	1.559	3.767	3.484	34.722	4.23	184	27.783	30.129	32.448	37.009	32.1	0.172	1462.0	370	
400	1.551	1.530	3.758	3.458	34.725	4.26	185	27.787	30.134	32.453	37.015	31.8	0.180	1462.3	395	
425	1.529	1.507	3.756	3.436	34.727	4.26	185	27.791	30.137	32.458	37.020	31.5	0.188	1462.6	420	
450	1.510	1.486	3.755	3.417	34.729	4.28	186	27.794	30.141	32.461	37.024	31.3	0.196	1462.9	444	
475	1.483	1.459	3.748	3.390	34.730	4.28	186	27.796	30.144	32.464	37.028	31.1	0.204	1463.2	469	
500	1.461	1.435	3.744	3.368	34.730	4.28	186	27.798	30.146	32.467	37.031	31.0	0.212	1463.5	494	
550	1.412	1.384	3.733	3.319	34.730	4.29	186	27.802	30.150	32.472	37.038	30.8	0.227	1464.1	543	
600	1.372	1.341	3.731	3.279	34.730	4.29	187	27.805	30.154	32.477	37.043	30.6	0.242	1464.8	592	
650	1.330	1.296	3.726	3.237	34.730	4.28	186	27.808	30.158	32.481	37.049	30.4	0.258	1465.4	642	
700	1.289	1.253	3.723	3.196	34.729	4.29	186	27.811	30.161	32.485	37.054	30.3	0.273	1466.1	691	
750	1.257	1.218	3.729	3.164	34.729	4.32	187	27.813	30.164	32.488	37.058	30.1	0.288	1466.7	740	
800	1.222	1.180	3.731	3.129	34.728	4.36	189	27.815	30.166	32.491	37.062	30.1	0.303	1467.4	790	
850	1.185	1.140	3.732	3.092	34.727	4.38	190	27.817	30.169	32.494	37.066	29.9	0.318	1468.1	839	
900	1.145	1.098	3.729	3.052	34.726	4.41	192	27.819	30.171	32.497	37.071	29.8	0.333	1468.7	888	
950	1.114	1.064	3.736	3.021	34.725	4.44	193	27.820	30.173	32.500	37.074	29.7	0.348	1469.4	937	
999	1.081	1.028	3.740	2.987	34.724	4.46	194	27.822	30.175	32.502	37.078	29.6	0.362	1470.1	986	

SHCRUS NP9405	STNM 79U	YR/MO/DA 94/10/06	GTIME 14:37	LATITUDE -71.189	LONGITUDE -152.975	DPTH 4340	HT	BARO 974	WND 223	WNS 5	AIRTM -18.7					
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH	
dbar	degC	ps	ps	ml/l	um/kg	um/kg	um/kg	um/kg	uatm	um/kg	um/kg	um/kg	pm/kg	pm/kg	m	
5	-1.768	34.070	34.069	7.07	303	50.3	1.98	27.5	2190	494				14	5	
20	-1.768	34.070	34.076	6.94	303	49.7	1.97	27.4						12	20	
50	-1.648	34.089	34.090	6.87	298	50.7	2.01	27.6						11	49	
100	-1.198	34.153	34.160	6.58	281	54.3	2.04	28.2						8	99	
260	1.652	34.695	34.695	4.17	180	88.6	2.29	31.8						6	258	
600	1.367	34.730	34.731	4.32	187	102.0	2.23	31.6						4	593	
1000	1.079	34.724	34.723	4.45	194	113.1	2.23	31.7						1	987	

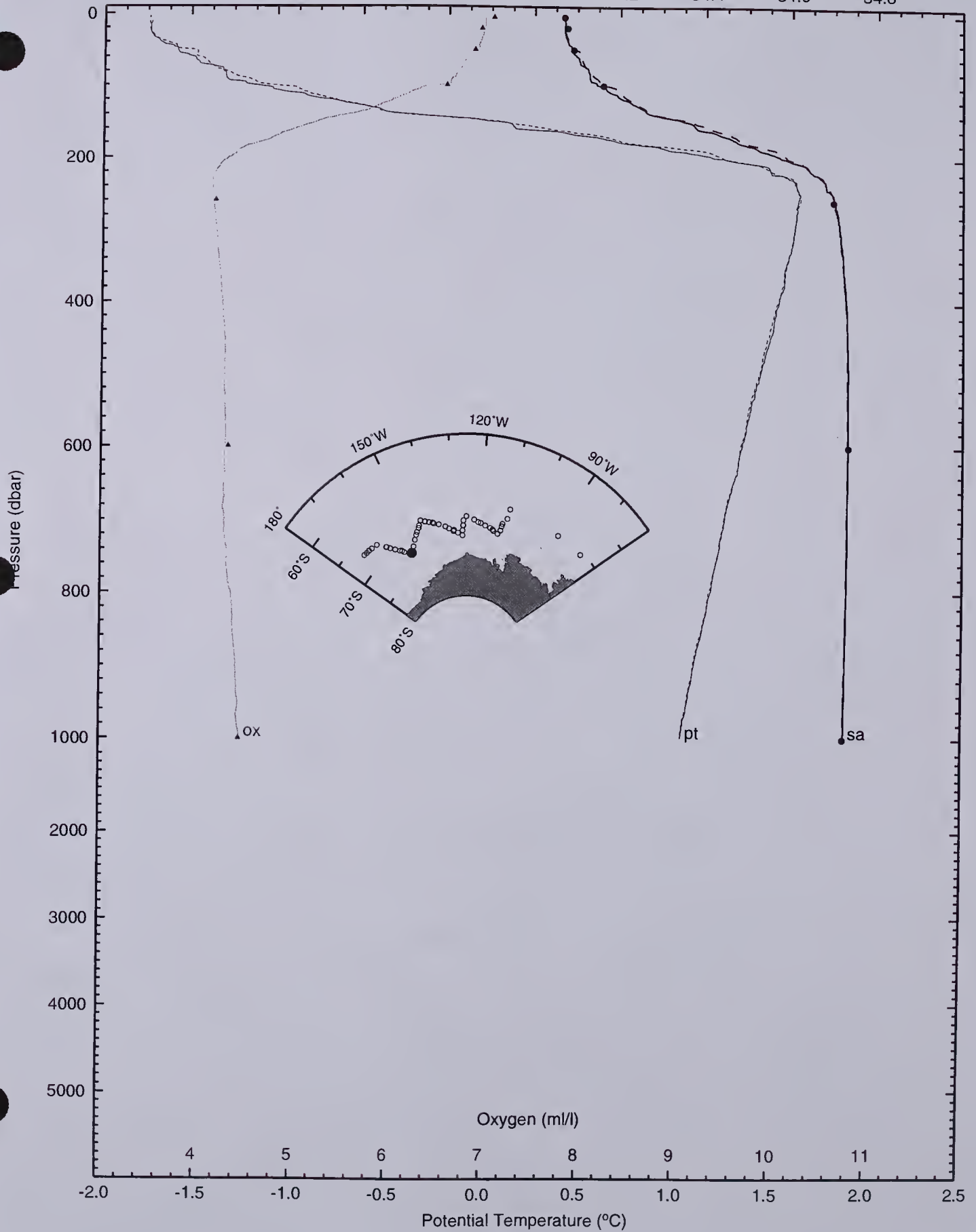
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH	
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m	
4	-1.767	-1.767	0.105	0.102	34.070	7.00	304	27.424	29.823	32.194	36.858	64.6	0.003	1439.7	3	
10	-1.768	-1.768	0.109	0.101	34.070	6.98	303	27.424	29.823	32.195	36.858	64.6	0.006	1439.7	9	
20	-1.766	-1.766	0.119	0.103	34.070	6.97	303	27.424	29.823	32.195	36.858	64.5	0.013	1439.9	19	
30	-1.745	-1.746	0.147	0.124	34.073	6.96	302	27.426	29.824	32.196	36.858	64.2	0.019	1440.2	29	
40	-1.675	-1.676	0.224	0.195	34.079	6.92	301	27.429	29.826	32.197	36.857	63.9	0.026	1440.7	39	
50	-1.575	-1.576	0.333	0.295	34.094	6.86	298	27.438	29.834	32.203	36.860	62.9	0.032	1441.4	49	
60	-1.512	-1.513	0.404	0.359	34.105	6.79	295	27.446	29.840	32.208	36.863	62.2	0.038	1441.8	59	
70	-1.454	-1.456	0.470	0.418	34.114	6.75	294	27.451	29.844	32.211	36.865	61.7	0.045	1442.3	69	
80	-1.373	-1.374	0.560	0.500	34.127	6.70	291	27.459	29.851	32.216	36.867	60.9	0.051	1442.8	79	
90	-1.272	-1.274	0.669	0.601	34.144	6.64	289	27.470	29.860	32.224	36.872	59.8	0.057	1443.5	89	
100	-1.131	-1.134	0.818	0.744	34.166	6.49	282	27.483	29.871	32.233	36.876	58.6	0.063	1444.4	98	
125	-0.717	-0.721	1.256	1.161	34.236	5.93	258	27.523	29.905	32.260	36.890	54.8	0.077	1446.8	123	
150	0.069	0.064	2.068	1.955	34.367	5.24	228	27.592	29.961	32.304	36.910	48.6	0.090	1451.0	148	
175	0.691	0.684	2.715	2.583	34.477	4.74	206	27.645	30.005	32.338	36.925	43.9	0.101	1454.4	173	
200	1.261	1.251	3.310	3.160	34.591	4.32	188	27.700	30.051	32.375	36.945	39.1	0.112	1457.6	197	
225	1.597	1.586	3.670	3.500	34.666	4.15	180	27.736	30.082	32.401	36.962	35.9	0.121	1459.6	222	
250	1.654	1.641	3.747	3.559	34.693	4.14	180	27.753	30.098	32.417	36.975	34.5	0.130	1460.2	247	
275	1.638	1.624	3.750	3.543	34.703	4.16	181	27.763	30.108	32.426	36.985	33.7	0.138			

Latitude 71 12 S  
Longitude 152 59 W

Salinity

NP9405 079

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	80D	94/10/06	15:53	-71.187	-152.970	4340		974	251	6	-19.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.767	-1.767	0.107	0.102	34.067	7.09	308	27.421	29.820	32.192	36.855	64.8	0.004	1439.7	5
10	-1.766	-1.766	0.111	0.103	34.067	7.08	308	27.422	29.821	32.192	36.856	64.7	0.006	1439.8	9
20	-1.762	-1.762	0.122	0.107	34.068	7.06	307	27.422	29.821	32.193	36.856	64.6	0.013	1439.9	19
30	-1.742	-1.742	0.150	0.127	34.069	7.04	306	27.423	29.821	32.193	36.855	64.5	0.019	1440.2	29
40	-1.661	-1.662	0.239	0.209	34.080	7.03	306	27.430	29.827	32.197	36.857	63.8	0.026	1440.8	39
50	-1.607	-1.608	0.301	0.263	34.089	6.99	304	27.435	29.831	32.200	36.858	63.3	0.032	1441.2	49
60	-1.581	-1.583	0.334	0.289	34.093	6.95	302	27.437	29.833	32.202	36.859	63.0	0.038	1441.5	59
70	-1.408	-1.409	0.517	0.464	34.117	6.87	299	27.452	29.845	32.211	36.863	61.6	0.045	1442.5	69
80	-1.305	-1.307	0.628	0.568	34.134	6.79	295	27.462	29.854	32.218	36.867	60.6	0.051	1443.2	79
90	-1.171	-1.173	0.771	0.703	34.156	6.69	291	27.476	29.865	32.227	36.871	59.3	0.057	1444.0	89
100	-0.986	-0.989	0.965	0.890	34.186	6.57	286	27.493	29.879	32.238	36.877	57.7	0.063	1445.1	98
125	-0.617	-0.621	1.356	1.262	34.246	6.23	271	27.527	29.907	32.260	36.888	54.5	0.077	1447.3	123
150	0.227	0.221	2.227	2.114	34.386	5.51	239	27.599	29.966	32.306	36.907	48.0	0.090	1451.8	148
175	0.878	0.870	2.904	2.772	34.507	4.92	214	27.657	30.014	32.344	36.926	42.8	0.101	1455.3	173
200	1.243	1.234	3.292	3.141	34.584	4.59	200	27.695	30.046	32.371	36.942	39.5	0.111	1457.5	197
225	1.541	1.530	3.613	3.443	34.651	4.43	192	27.728	30.075	32.395	36.957	36.7	0.121	1459.3	222
250	1.621	1.608	3.713	3.525	34.685	4.40	191	27.750	30.095	32.414	36.974	34.8	0.130	1460.1	247
275	1.623	1.609	3.735	3.528	34.698	4.40	191	27.760	30.105	32.424	36.984	33.9	0.138	1460.5	271
300	1.623	1.608	3.755	3.528	34.707	4.42	192	27.767	30.113	32.431	36.991	33.3	0.147	1460.9	296
325	1.609	1.592	3.760	3.515	34.712	4.43	193	27.772	30.118	32.437	36.996	33.0	0.155	1461.3	321
350	1.597	1.579	3.766	3.503	34.718	4.45	194	27.778	30.124	32.443	37.003	32.5	0.163	1461.7	346
375	1.577	1.558	3.766	3.483	34.722	4.47	194	27.783	30.129	32.449	37.009	32.1	0.171	1462.0	370
400	1.557	1.536	3.765	3.464	34.725	4.49	195	27.787	30.133	32.453	37.014	31.8	0.179	1462.3	395
425	1.520	1.498	3.747	3.427	34.726	4.49	195	27.791	30.137	32.458	37.020	31.5	0.187	1462.6	420
450	1.492	1.469	3.738	3.399	34.727	4.49	195	27.794	30.141	32.462	37.025	31.3	0.195	1462.9	444
475	1.471	1.446	3.735	3.378	34.728	4.50	195	27.796	30.144	32.465	37.028	31.1	0.203	1463.2	469
500	1.441	1.415	3.724	3.348	34.729	4.50	196	27.799	30.147	32.468	37.033	31.0	0.211	1463.4	494
550	1.401	1.372	3.722	3.308	34.730	4.52	196	27.803	30.151	32.473	37.039	30.7	0.226	1464.1	543
600	1.359	1.328	3.718	3.266	34.730	4.52	197	27.806	30.155	32.478	37.045	30.5	0.241	1464.7	592
650	1.324	1.290	3.720	3.231	34.729	4.52	196	27.808	30.158	32.481	37.049	30.4	0.257	1465.4	642
700	1.286	1.250	3.720	3.193	34.729	4.53	197	27.811	30.161	32.485	37.054	30.3	0.272	1466.1	691
750	1.255	1.216	3.727	3.162	34.729	4.57	199	27.813	30.164	32.488	37.058	30.2	0.287	1466.7	740
800	1.213	1.171	3.722	3.120	34.728	4.59	200	27.815	30.167	32.492	37.063	30.0	0.302	1467.4	790
850	1.180	1.135	3.727	3.087	34.727	4.63	201	27.817	30.169	32.494	37.067	29.9	0.317	1468.0	839
900	1.143	1.096	3.728	3.050	34.726	4.65	202	27.819	30.171	32.497	37.071	29.8	0.332	1468.7	888
950	1.110	1.060	3.732	3.017	34.725	4.66	203	27.820	30.173	32.500	37.074	29.7	0.347	1469.4	937
1000	1.071	1.018	3.730	2.977	34.723	4.71	204	27.822	30.176	32.503	37.078	29.6	0.361	1470.0	987

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	80U	94/10/06	16:43	-71.185	-152.963	4340		974	251	6	-19.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
12	-1.726	-1.726	0.153	0.143	34.072	7.07	307	27.425	29.823	32.194	36.856	64.5	0.008	1440.0	11
20	-1.704	-1.704	0.180	0.165	34.074	7.06	307	27.426	29.823	32.194	36.856	64.3	0.013	1440.2	19
30	-1.679	-1.679	0.213	0.190	34.077	7.04	306	27.428	29.825	32.195	36.856	64.1	0.019	1440.5	29
40	-1.662	-1.663	0.238	0.208	34.080	7.03	306	27.429	29.826	32.196	36.856	63.9	0.026	1440.8	39
50	-1.623	-1.624	0.285	0.247	34.087	6.99	304	27.434	29.830	32.200	36.859	63.4	0.032	1441.1	49
60	-1.582	-1.583	0.333	0.288	34.095	6.95	302	27.439	29.835	32.204	36.861	62.8	0.038	1441.5	59
70	-1.459	-1.461	0.465	0.413	34.115	6.87	299	27.452	29.846	32.213	36.866	61.6	0.045	1442.3	69
80	-1.388	-1.390	0.545	0.484	34.127	6.79	295	27.460	29.852	32.218	36.869	60.8	0.051	1442.8	79
90	-1.266	-1.268	0.676	0.607	34.145	6.69	291	27.470	29.861	32.225	36.872	59.8	0.057	1443.5	89
100	-1.128	-1.130	0.822	0.747	34.168	6.57	286	27.484	29.872	32.234	36.877	58.5	0.063	1444.4	98
125	-0.826	-0.830	1.145	1.051	34.217	6.23	271	27.512	29.896	32.253	36.886	55.8	0.077	1446.3	123
150	-0.400	-0.405	1.959	1.845	34.354	5.51	239	27.587	29.958	32.303	36.912	49.0	0.090	1450.5	148
175	0.781	0.773	2.806	2.674	34.493	4.92	214	27.653	30.011	32.343	36.927	43.2	0.102	1454.9	173
200	1.261	1.252	3.311	3.160	34.591	4.59	200	27.700	30.051	32.375	36.945	39.1	0.112	1457.6	197
225	1.525	1.514	3.597	3.427	34.651	4.43	192	27.729	30.076	32.397	36.959	36.5	0.121	1459.2	222
250	1.620	1.607	3.713	3.524	34.684	4.40	191	27.749	30.095	32.414	36.973	34.8	0.130	1460.1	247
275	1.622	1.608	3.734	3.527	34.698	4.40	191	27.760	30.106	32.424	36.984	33.9	0.139	1460.5	271
300	1.613	1.597	3.744	3.518	34.706	4.42	192	27.767	30.113	32.432	36.992	33.3	0.147	1460.9	296
325	1.608	1.591	3.759	3.514	34.712	4.43	193	27.773	30.118	32.437	36.997	32.9	0.156	1461.3	321
350	1.596	1.578	3.766	3.502	34.718	4.45	194	27.778	30.124	32.443	37.003	32.5	0.164	1461.7	346
375	1.573	1.554	3.762	3.479	34.722	4.47	194	27.783	30.129	32.448	37.009	32.1	0.172	1462.0	370
400	1.548	1.527	3.755	3.454	34.724	4.49	195	27.787	30.133	32.453	37.015	31.8	0.180	1462.3	395
425	1.518	1.496	3.744	3.425	34.725	4.49	195	27.790	30.137	32.457	37.019	31.6	0.188	1462.6	420
450	1.493	1.470	3.739	3.400	34.726	4.49	195	27.793	30.140	32.461	37.024	31.4	0.196	1462.9	444
475	1.465	1.441	3.730	3.372	34.727	4.50	195	27.796	30.143	32.465	37.028	31.2	0.203	1463.1	469
500	1.441	1.415	3.724	3.348	34.728	4.50									

Latitude 71 11 S  
Longitude 152 58 W

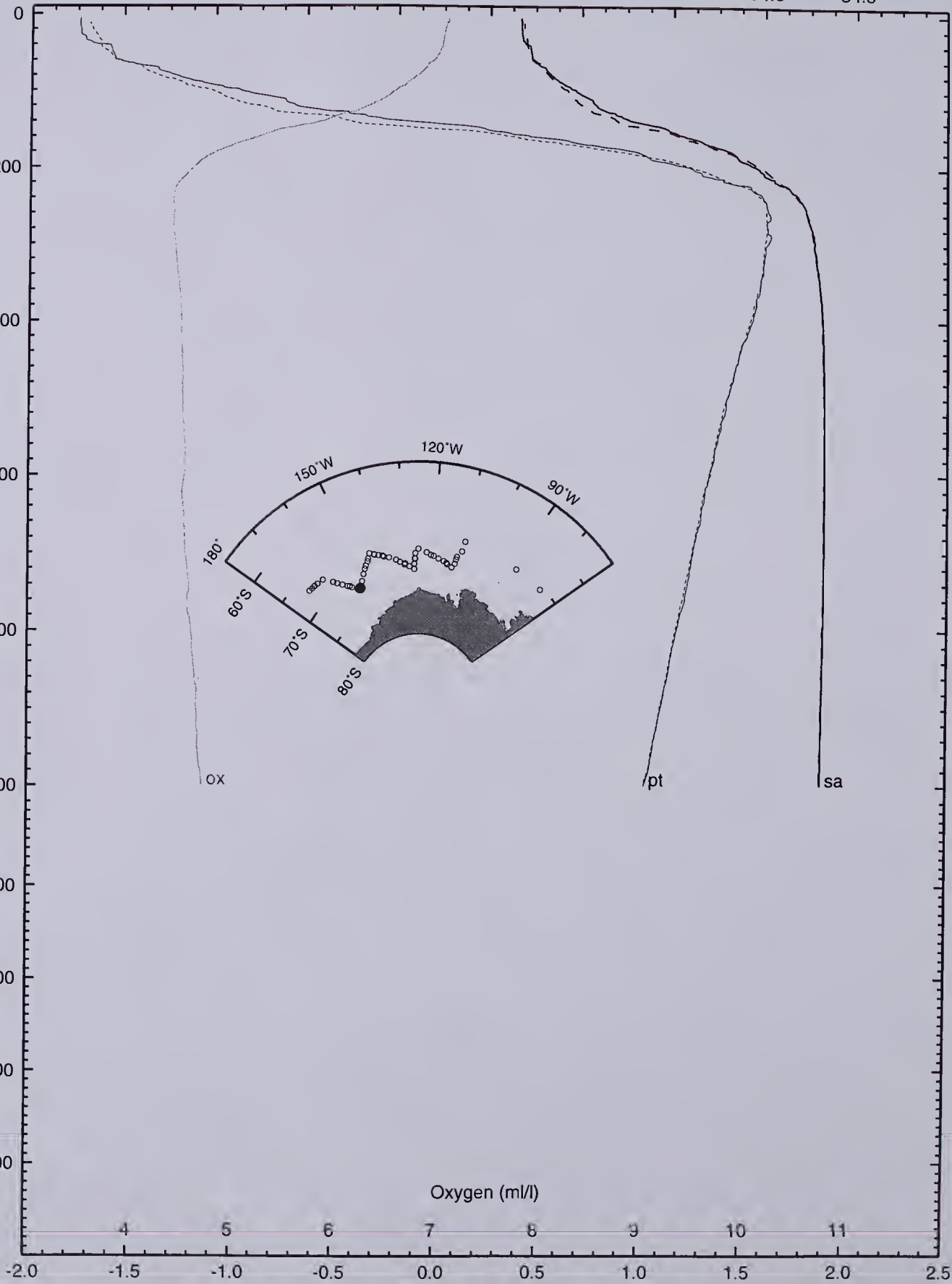
Salinity

NP9405 080

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Potential Temperature (°C)

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTH							
NP9405	81D	94/10/06	16:48	-71.185	-152.963	4340		974	251	6	-19.2							
PRES	TEMPCT	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH			
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m			
12	-1.750	-1.750	0.128	0.119	34.072	7.09	308	27.425	29.824	32.195	36.858	64.4	0.008	1439.9	11			
20	-1.725	-1.726	0.159	0.144	34.074	7.08	308	27.426	29.824	32.195	36.857	64.3	0.013	1440.1	19			
30	-1.703	-1.704	0.189	0.166	34.076	7.06	307	27.427	29.825	32.196	36.857	64.1	0.019	1440.4	29			
40	-1.693	-1.694	0.206	0.176	34.077	7.03	306	27.428	29.826	32.196	36.857	64.0	0.026	1440.6	39			
50	-1.633	-1.634	0.275	0.237	34.086	6.97	303	27.433	29.830	32.199	36.858	63.5	0.032	1441.1	49			
60	-1.562	-1.563	0.354	0.309	34.099	6.92	301	27.442	29.837	32.206	36.862	62.6	0.038	1441.6	59			
70	-1.470	-1.472	0.454	0.402	34.114	6.85	298	27.451	29.845	32.212	36.866	61.6	0.045	1442.2	69			
80	-1.375	-1.377	0.557	0.497	34.128	6.75	293	27.460	29.852	32.218	36.868	60.8	0.051	1442.8	79			
90	-1.284	-1.286	0.657	0.589	34.143	6.63	288	27.469	29.860	32.224	36.872	59.9	0.057	1443.5	89			
100	-1.133	-1.136	0.817	0.741	34.166	6.52	283	27.482	29.870	32.232	36.875	58.7	0.063	1444.4	98			
125	-0.826	-0.829	1.146	1.051	34.214	6.20	269	27.510	29.893	32.250	36.884	56.0	0.077	1446.3	123			
150	0.088	0.083	2.087	1.974	34.361	5.51	239	27.586	29.955	32.297	36.903	49.2	0.090	1451.1	148			
175	0.773	0.766	2.798	2.666	34.487	4.94	215	27.648	30.006	32.338	36.923	43.7	0.102	1454.8	173			
200	1.230	1.220	3.279	3.128	34.581	4.62	201	27.694	30.045	32.370	36.942	39.6	0.112	1457.4	197			
225	1.433	1.422	3.504	3.334	34.629	4.46	194	27.718	30.066	32.388	36.953	37.6	0.122	1458.8	222			
250	1.603	1.590	3.695	3.507	34.674	4.43	192	27.742	30.088	32.407	36.967	35.5	0.131	1460.0	247			
275	1.618	1.603	3.729	3.523	34.694	4.43	193	27.757	30.103	32.422	36.981	34.2	0.140	1460.5	271			
300	1.615	1.599	3.746	3.520	34.706	4.45	193	27.767	30.112	32.432	36.991	33.3	0.148	1460.9	296			
325	1.609	1.592	3.759	3.515	34.713	4.46	194	27.773	30.119	32.438	36.998	32.8	0.156	1461.3	321			
350	1.599	1.581	3.769	3.505	34.719	4.48	195	27.779	30.124	32.444	37.004	32.4	0.165	1461.7	346			
375	1.575	1.555	3.763	3.481	34.722	4.48	195	27.783	30.129	32.449	37.009	32.1	0.173	1462.0	370			
400	1.547	1.526	3.755	3.454	34.725	4.50	195	27.788	30.134	32.454	37.016	31.7	0.181	1462.3	395			
425	1.524	1.502	3.750	3.431	34.726	4.51	196	27.790	30.137	32.457	37.019	31.6	0.188	1462.6	420			
450	1.497	1.474	3.743	3.404	34.727	4.51	196	27.793	30.140	32.461	37.024	31.4	0.196	1462.9	444			
475	1.474	1.449	3.738	3.381	34.728	4.51	196	27.796	30.143	32.464	37.028	31.2	0.204	1463.2	469			
500	1.451	1.425	3.734	3.358	34.729	4.52	197	27.798	30.146	32.467	37.031	31.0	0.212	1463.5	494			
550	1.395	1.366	3.716	3.302	34.730	4.55	198	27.803	30.152	32.474	37.040	30.7	0.227	1464.1	543			
600	1.356	1.325	3.715	3.263	34.729	4.53	197	27.806	30.155	32.478	37.045	30.5	0.243	1464.7	592			
650	1.315	1.281	3.711	3.222	34.729	4.53	197	27.809	30.159	32.482	37.050	30.3	0.258	1465.4	642			
700	1.284	1.248	3.718	3.192	34.729	4.56	198	27.811	30.161	32.485	37.054	30.2	0.273	1466.0	691			
750	1.246	1.206	3.717	3.153	34.729	4.58	199	27.813	30.164	32.489	37.059	30.1	0.288	1466.7	740			
800	1.210	1.168	3.719	3.117	34.728	4.60	200	27.815	30.167	32.492	37.063	30.0	0.303	1467.4	790			
850	1.181	1.136	3.727	3.088	34.727	4.64	202	27.817	30.169	32.494	37.067	29.9	0.318	1468.1	839			
900	1.149	1.102	3.734	3.056	34.726	4.68	203	27.819	30.171	32.497	37.070	29.8	0.333	1468.7	888			
950	1.110	1.060	3.732	3.017	34.725	4.69	204	27.820	30.173	32.500	37.074	29.7	0.348	1469.4	937			
1000	1.086	1.033	3.745	2.992	34.724	4.73	206	27.821	30.175	32.502	37.077	29.7	0.363	1470.1	987			
1013	1.080	1.026	3.749	2.986	34.724	4.74	206	27.822	30.175	32.502	37.078	29.7	0.367	1470.3	999			

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTH							
NP9405	81U	94/10/06	17:39	-71.182	-152.956	4340		974	251	6	-19.2							
PRES	TEMPCT	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYP	OXYP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH			
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m			
11	-1.766	-1.766	0.112	0.103	34.071	7.08	308	27.425	29.824	32.196	36.859	64.4	0.007	1439.8	10			
20	-1.756	-1.756	0.128	0.113	34.072	7.08	308	27.426	29.824	32.196	36.859	64.3	0.013	1440.0	19			
30	-1.741	-1.741	0.151	0.128	34.074	7.06	307	27.427	29.825	32.197	36.859	64.1	0.019	1440.2	29			
40	-1.717	-1.718	0.183	0.152	34.078	7.03	306	27.429	29.827	32.199	36.860	63.8	0.026	1440.5	39			
50	-1.618	-1.619	0.290	0.252	34.091	6.97	303	27.437	29.833	32.203	36.861	63.1	0.032	1441.1	49			
60	-1.554	-1.556	0.362	0.317	34.101	6.92	301	27.443	29.838	32.207	36.863	62.4	0.038	1441.6	59			
70	-1.480	-1.481	0.444	0.391	34.112	6.85	298	27.450	29.844	32.211	36.865	61.8	0.045	1442.2	69			
80	-1.406	-1.408	0.526	0.466	34.126	6.75	293	27.459	29.852	32.218	36.870	60.9	0.051	1442.7	79			
90	-1.242	-1.244	0.700	0.633	34.150	6.63	288	27.473	29.863	32.227	36.873	59.5	0.057	1443.7	89			
100	-1.134	-1.137	0.816	0.741	34.168	6.52	283	27.484	29.873	32.234	36.877	58.5	0.063	1444.4	98			
125	-0.845	-0.848	1.127	1.032	34.216	6.20	269	27.512	29.896	32.253	36.887	55.9	0.077	1446.2	123			
150	-0.067	-0.072	1.931	1.818	34.349	5.51	239	27.584	29.956	32.300	36.910	49.3	0.090	1450.4	148			
175	0.800	0.793	2.825	2.693	34.496	4.94	215	27.654	30.012	32.343	36.927	43.1	0.102	1455.0	173			
200	1.252	1.242	3.301	3.151	34.589	4.62	201	27.699	30.050	32.374	36.945	39.2	0.112	1457.5	197			
225	1.505	1.494	3.577	3.407	34.648	4.46	194	27.728	30.075	32.396	36.959	36.7	0.121	1459.1	222			
250	1.607	1.594	3.699	3.511	34.682	4.43	192	27.748	30.094	32.413	36.973	34.9	0.130	1460.0	247			
275	1.622	1.608	3.734	3.527	34.699	4.43	193	27.761	30.106	32.425	36.984	33.8	0.139	1460.5	271			
300	1.610	1.595	3.741	3.515	34.707	4.45	193	27.768	30.113	32.432	36.992	33.3	0.147	1460.9	296			
325	1.607	1.590	3.757	3.513	34.715	4.46	194	27.775	30.120	32.440	36.999	32.7	0.155	1461.3	321			
350	1.591	1.573	3.761	3.497	34.719	4.48	195	27.779	30.125	32.444	37.005	32.4	0.164	1461.6	346			
375	1.573	1.554	3.762	3.479	34.721	4.48	195	27.783	30.129	32.448	37.009	32.1	0.172	1462.0	370			
400	1.543	1.522	3.750	3.449	34.724	4.50	195	27.787	30.133	32.453	37.015	31.8	0.180	1462.3	395			
425	1.515	1.493	3.741	3.422	34.725	4.51	196	27.790	30.137	32.457	37.020	31.6	0.188	1462.5	420			
450	1.503	1.480	3.748	3.410	34.726	4.51	196	27.792	30.139	32.460	37.023	31.5	0.195	1462.9	444			
475	1.478	1.453	3.742	3.385	34.727	4.51	196	27.795	30.142	32.463	37.026	31.3	0.203	1463.2	469			
500	1.450	1.425	3.734	3.357	34.728	4.52	197	27.797	30.145	32.467	37.031	31.1	0.211	1463.5	494			
550	1.395	1.367	3.716	3.302	34.729	4.55	19											

Latitude 71 11 S  
Longitude 152 58 W

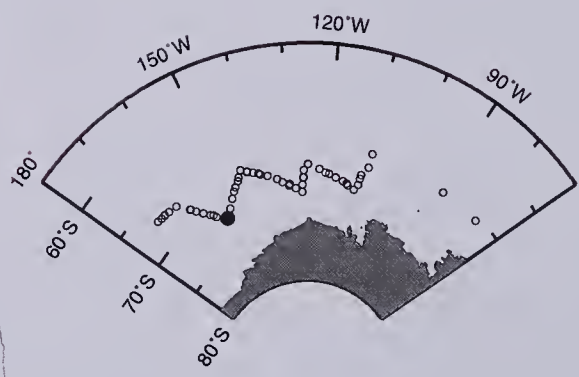
Salinity

NP9405 081

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



SHCRUS NP9405	STNM 82D	YR/MO/DA 94/10/06	GTIME 17:42	LATITUDE -71.182	LONGITUDE -152.956	DPTH 4340	HT	BARO 974	WND 251	WNS 6	AIRTM -19.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
11	-1.771	-1.771	0.106	0.098	34.072	7.08	308	27.425	29.824	32.196	36.860	64.4	0.007	1439.8	10
20	-1.763	-1.763	0.121	0.106	34.073	7.07	307	27.427	29.825	32.197	36.860	64.2	0.013	1439.9	19
30	-1.750	-1.751	0.142	0.119	34.075	7.05	307	27.428	29.826	32.198	36.861	64.0	0.019	1440.2	29
40	-1.742	-1.743	0.158	0.127	34.076	7.02	305	27.428	29.827	32.198	36.861	64.0	0.026	1440.4	39
50	-1.691	-1.692	0.216	0.179	34.081	6.96	303	27.431	29.829	32.199	36.860	63.6	0.032	1440.8	49
60	-1.591	-1.592	0.325	0.279	34.096	6.90	300	27.440	29.836	32.205	36.863	62.7	0.038	1441.4	59
70	-1.518	-1.519	0.406	0.353	34.106	6.82	296	27.446	29.841	32.209	36.864	62.1	0.045	1442.0	69
80	-1.457	-1.459	0.475	0.415	34.115	6.70	291	27.451	29.845	32.212	36.865	61.6	0.051	1442.4	79
90	-1.315	-1.317	0.626	0.558	34.137	6.60	287	27.465	29.857	32.221	36.870	60.3	0.057	1443.3	89
100	-1.214	-1.216	0.735	0.660	34.153	6.52	283	27.475	29.865	32.228	36.873	59.3	0.063	1444.0	98
125	-0.902	-0.906	1.068	0.975	34.201	6.22	270	27.503	29.887	32.245	36.881	56.7	0.077	1445.9	123
150	-0.200	-0.205	1.796	1.683	34.312	5.53	240	27.561	29.935	32.282	36.896	51.4	0.091	1447.7	148
175	0.761	0.754	2.786	2.654	34.483	4.92	214	27.646	30.004	32.336	36.921	43.9	0.103	1454.8	173
200	1.269	1.259	3.318	3.168	34.590	4.58	199	27.698	30.049	32.373	36.943	39.3	0.113	1457.6	197
225	1.535	1.524	3.607	3.437	34.655	4.45	193	27.731	30.078	32.398	36.960	36.4	0.123	1459.3	222
250	1.615	1.602	3.707	3.519	34.685	4.42	192	27.750	30.096	32.415	36.974	34.7	0.132	1460.1	247
275	1.621	1.607	3.734	3.526	34.703	4.43	193	27.764	30.109	32.428	36.987	33.6	0.140	1460.5	271
300	1.613	1.597	3.744	3.518	34.710	4.44	193	27.771	30.116	32.435	36.995	33.0	0.149	1460.9	296
325	1.602	1.585	3.752	3.508	34.717	4.46	194	27.777	30.122	32.442	37.002	32.5	0.157	1461.3	321
350	1.586	1.568	3.755	3.492	34.720	4.46	194	27.780	30.126	32.446	37.006	32.3	0.165	1461.6	346
375	1.568	1.549	3.757	3.474	34.723	4.49	195	27.784	30.131	32.450	37.011	32.0	0.173	1462.0	370
400	1.545	1.524	3.753	3.451	34.724	4.50	196	27.787	30.134	32.454	37.015	31.8	0.181	1462.3	395
425	1.521	1.499	3.748	3.428	34.726	4.50	196	27.790	30.137	32.457	37.020	31.6	0.189	1462.6	420
450	1.494	1.471	3.740	3.401	34.727	4.52	196	27.793	30.141	32.461	37.024	31.3	0.197	1462.9	444
475	1.472	1.447	3.736	3.379	34.727	4.52	197	27.795	30.143	32.464	37.027	31.2	0.204	1463.2	469
500	1.453	1.427	3.737	3.360	34.729	4.53	197	27.798	30.145	32.467	37.031	31.1	0.212	1463.5	494
550	1.401	1.372	3.722	3.308	34.730	4.54	197	27.802	30.151	32.473	37.039	30.7	0.228	1464.1	543
600	1.349	1.318	3.708	3.256	34.730	4.53	197	27.806	30.156	32.479	37.046	30.4	0.243	1464.7	592
650	1.310	1.276	3.707	3.217	34.730	4.54	197	27.809	30.159	32.483	37.051	30.3	0.258	1465.3	642
700	1.273	1.237	3.707	3.180	34.729	4.54	197	27.812	30.162	32.486	37.056	30.2	0.273	1466.0	691
750	1.242	1.203	3.714	3.149	34.728	4.54	197	27.814	30.164	32.489	37.059	30.1	0.288	1466.7	740
800	1.210	1.168	3.719	3.117	34.728	4.56	198	27.815	30.167	32.492	37.063	30.0	0.303	1467.4	790
850	1.175	1.130	3.722	3.082	34.727	4.62	201	27.817	30.169	32.495	37.067	29.9	0.318	1468.0	839
900	1.138	1.091	3.723	3.045	34.726	4.68	203	27.819	30.171	32.498	37.071	29.8	0.333	1468.7	888
950	1.104	1.053	3.725	3.010	34.725	4.70	204	27.820	30.174	32.500	37.075	29.7	0.348	1469.4	937
999	1.080	1.027	3.738	2.986	34.724	4.73	206	27.822	30.175	32.502	37.078	29.6	0.363	1470.1	986

SHCRUS NP9405	STNM 82U	YR/MO/DA 94/10/06	GTIME 18:30	LATITUDE -71.179	LONGITUDE -152.953	DPTH 4340	HT	BARO 974	WND 251	WNS 6	AIRTM -19.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
8	-1.764	-1.764	0.111	0.105	34.072	7.08	308	27.425	29.824	32.196	36.859	64.4	0.005	1439.7	7
10	-1.764	-1.765	0.112	0.105	34.072	7.08	308	27.425	29.824	32.196	36.859	64.4	0.006	1439.8	9
20	-1.762	-1.762	0.123	0.107	34.073	7.07	307	27.427	29.825	32.197	36.860	64.2	0.013	1439.9	19
30	-1.758	-1.758	0.134	0.111	34.075	7.05	307	27.428	29.826	32.198	36.861	64.1	0.019	1440.1	29
40	-1.731	-1.732	0.169	0.139	34.080	7.02	305	27.431	29.830	32.201	36.863	63.6	0.026	1440.4	39
50	-1.595	-1.596	0.313	0.275	34.093	6.96	303	27.438	29.834	32.203	36.861	63.0	0.032	1441.3	49
60	-1.557	-1.558	0.359	0.314	34.100	6.90	300	27.442	29.838	32.206	36.863	62.5	0.038	1441.6	59
70	-1.486	-1.488	0.438	0.385	34.113	6.82	296	27.451	29.845	32.213	36.867	61.6	0.044	1442.1	69
80	-1.337	-1.339	0.596	0.536	34.136	6.70	291	27.465	29.857	32.222	36.871	60.3	0.051	1442.3	79
90	-1.245	-1.247	0.696	0.628	34.147	6.60	287	27.471	29.861	32.225	36.871	59.7	0.057	1443.6	89
100	-1.200	-1.203	0.749	0.674	34.158	6.52	283	27.478	29.868	32.231	36.876	59.0	0.063	1444.0	98
125	-0.991	-0.994	0.980	0.885	34.194	6.22	270	27.500	29.886	32.246	36.884	56.9	0.077	1445.5	123
150	-0.217	-0.222	1.779	1.666	34.323	5.53	240	27.571	29.945	32.292	36.906	50.5	0.091	1447.7	148
175	0.728	0.721	2.753	2.621	34.485	4.92	214	27.649	30.008	32.341	36.927	43.5	0.102	1454.6	173
200	1.288	1.278	3.337	3.187	34.597	4.58	199	27.702	30.053	32.377	36.946	38.8	0.112	1457.7	197
225	1.529	1.517	3.600	3.431	34.653	4.45	193	27.730	30.077	32.398	36.960	36.4	0.122	1459.2	222
250	1.617	1.604	3.709	3.521	34.682	4.42	192	27.747	30.093	32.412	36.971	35.0	0.131	1460.1	247
275	1.621	1.606	3.733	3.526	34.699	4.43	193	27.761	30.106	32.425	36.984	33.9	0.139	1460.5	271
300	1.624	1.608	3.755	3.530	34.707	4.44	193	27.767	30.113	32.431	36.991	33.3	0.148	1461.0	296
325	1.615	1.598	3.766	3.521	34.713	4.46	194	27.773	30.118	32.437	36.997	32.9	0.156	1461.3	321
350	1.592	1.574	3.761	3.498	34.717	4.46	194	27.777	30.123	32.442	37.003	32.6	0.164	1461.6	346
375	1.565	1.546	3.754	3.471	34.721	4.49	195	27.783	30.129	32.449	37.009	32.1	0.172	1461.9	370
400	1.548	1.528	3.756	3.454	34.723	4.50	196	27.786	30.132	32.452	37.014	31.9	0.180	1462.3	395
425	1.520	1.498	3.746	3.426	34.724	4.50	196	27.789	30.136	32.456	37.019	31.7	0.188	1462.6	420
450	1.500	1.477	3.745	3.407	34.726	4.52	196	27.792	30.139	32.460	37.023	31.4	0.196	1462.9	444
475	1.480	1.456	3.745	3.387	34.728	4.52	197	27.795	30.142	32.463	37.027	31.3	0.204	1463.2	469
500	1.447	1.421	3.730	3.354	34.728	4.53	197	27.798	30.146	32.467	37.031	31.1	0.212	1463.5	494
550	1.395	1.366	3.716	3.302	34.729	4.54	197	27.803	30.151	32.474	37.039	30.7	0.227	1464.1	543
600	1.339	1.308	3.698	3.246	34.729	4.53	197	27.806	30.156	32.479	37.046	30.4	0.242	1464.6	592
650	1.300	1.266	3.696	3.207	34.729	4.54	197	27.809	30.159	32.483	37.052	30.2	0.258	1465.3	642
700	1.265	1.229	3.699	3.172	34.728	4.54	197	27.812	30.162	32.486	37.056	30.1	0.273	1466.0	691
750	1.241	1.202	3.712	3.148	34.728	4.54	197	27.813	30.164	32.489	37.059	30.1	0.288	1466.7	740
800	1.208	1.166	3.717	3.115	34.727	4.56	198	27.815	30.167	32.492	37.063	30.0	0.303	1467.3	790
850	1.171	1.126	3.717	3.078	34.726	4.62	201	27.817	30.169	32.495	37.067	29.9	0.318	1468.0	839
900	1.136	1.089	3.720	3.043	34.725	4.68	203	27.819	30.171	32.497	37.071	29.8	0.333	1468.7	888
950	1.10														

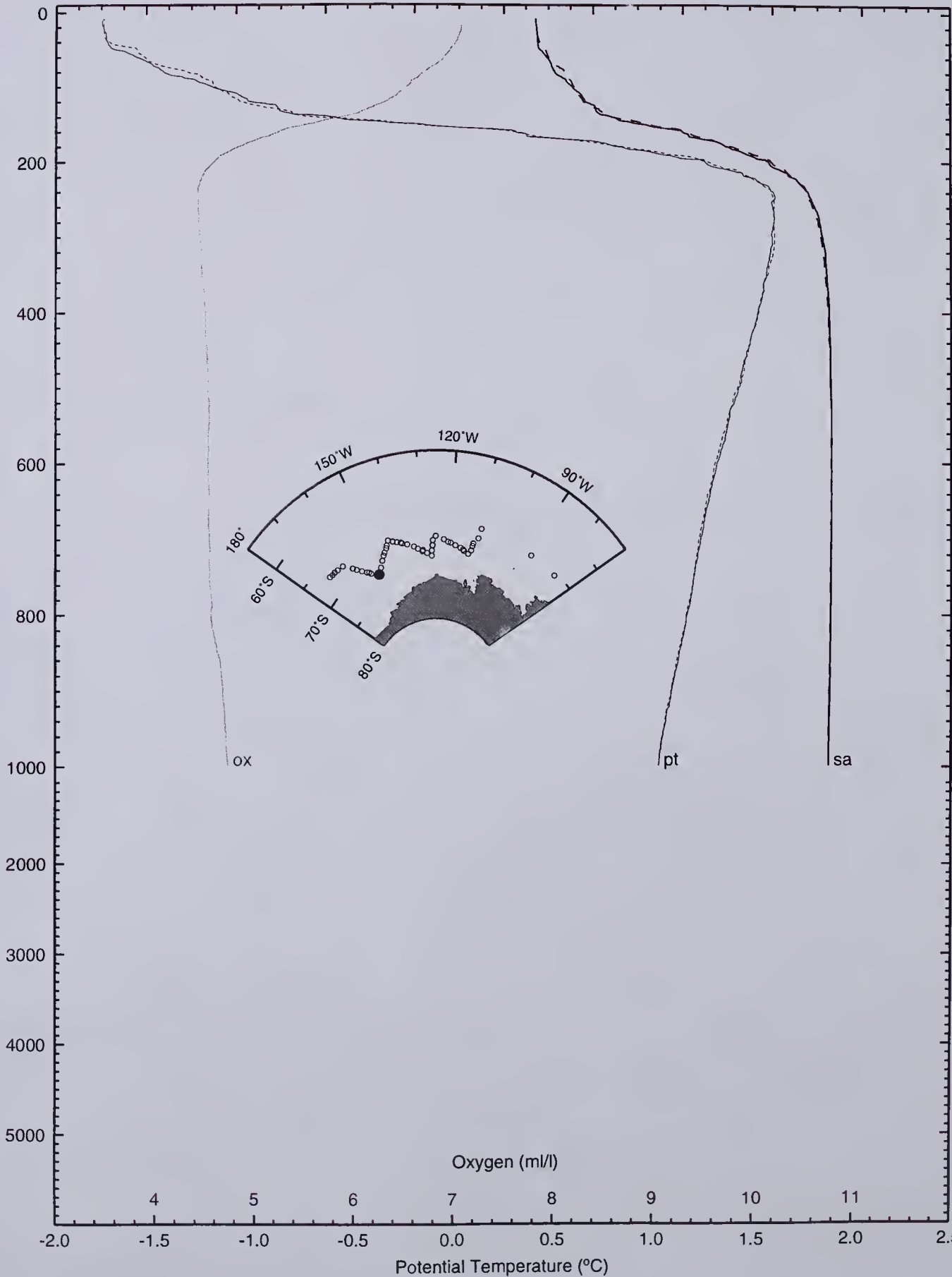
Latitude 71 11 S  
Longitude 152 57 W

Salinity

NP9405 082

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	83D	94/10/06	18:30	-71.179	-152.953	4340		973	221	9	-13.6				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	psa	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
8	-1.764	-1.764	0.111	0.105	34.074	7.05	307	27.427	29.826	32.198	36.861	64.2	0.005	1439.7	7
10	-1.763	-1.763	0.114	0.106	34.075	7.05	307	27.428	29.827	32.199	36.862	64.2	0.006	1439.8	9
20	-1.759	-1.760	0.125	0.110	34.076	7.06	307	27.429	29.827	32.199	36.862	64.0	0.013	1440.0	19
30	-1.753	-1.754	0.139	0.116	34.077	7.02	305	27.429	29.828	32.199	36.862	63.9	0.019	1440.2	29
40	-1.752	-1.753	0.147	0.117	34.077	6.96	303	27.429	29.828	32.199	36.862	63.8	0.026	1440.3	39
50	-1.597	-1.598	0.311	0.273	34.091	6.92	301	27.436	29.832	32.202	36.859	63.1	0.032	1441.2	49
60	-1.559	-1.600	0.317	0.271	34.094	6.85	298	27.439	29.835	32.204	36.862	62.8	0.038	1441.4	59
70	-1.551	-1.556	0.369	0.317	34.099	6.77	294	27.442	29.837	32.206	36.862	62.5	0.045	1441.8	69
80	-1.474	-1.476	0.458	0.398	34.114	6.67	290	27.452	29.846	32.213	36.867	61.5	0.051	1442.3	79
90	-1.297	-1.299	0.644	0.576	34.138	6.59	287	27.465	29.856	32.220	36.869	60.3	0.057	1443.4	89
100	-1.232	-1.234	0.717	0.641	34.148	6.53	284	27.471	29.861	32.225	36.871	59.6	0.063	1443.9	98
125	-1.037	-1.040	0.933	0.838	34.180	6.13	266	27.490	29.877	32.237	36.877	57.8	0.078	1445.2	123
150	0.448	-0.453	1.545	1.433	34.271	5.47	238	27.540	29.917	32.268	36.890	53.3	0.092	1448.5	148
175	0.490	0.483	2.511	2.380	34.432	4.85	211	27.621	29.984	32.320	36.913	46.1	0.104	1453.5	173
200	1.193	1.184	3.242	3.091	34.573	4.56	198	27.689	30.041	32.367	36.939	40.0	0.115	1457.2	197
225	1.486	1.475	3.557	3.388	34.639	4.45	193	27.723	30.070	32.391	36.955	37.2	0.124	1459.0	222
250	1.607	1.594	3.699	3.511	34.678	4.43	193	27.757	30.103	32.422	36.981	34.2	0.142	1460.5	271
275	1.617	1.603	3.729	3.522	34.694	4.43	193	27.767	30.113	32.432	36.991	33.3	0.151	1460.9	296
300	1.621	1.606	3.753	3.526	34.707	4.45	193	27.772	30.118	32.437	36.996	33.0	0.159	1461.3	321
325	1.613	1.596	3.764	3.519	34.712	4.46	194	27.776	30.124	32.443	37.004	32.5	0.167	1461.6	346
350	1.592	1.574	3.761	3.498	34.718	4.47	194	27.778	30.130	32.449	37.010	32.1	0.175	1462.0	370
375	1.568	1.549	3.757	3.474	34.722	4.49	195	27.784	30.136	32.456	37.018	31.7	0.191	1462.6	420
400	1.552	1.532	3.760	3.458	34.724	4.50	196	27.786	30.142	32.462	37.023	31.4	0.199	1462.9	444
425	1.531	1.509	3.757	3.438	34.725	4.51	196	27.789	30.146	32.467	37.032	31.0	0.215	1463.5	494
450	1.502	1.479	3.748	3.409	34.727	4.52	196	27.793	30.151	32.473	37.039	30.7	0.230	1464.1	543
475	1.480	1.456	3.745	3.387	34.728	4.53	197	27.795	30.156	32.479	37.047	30.4	0.245	1464.6	592
500	1.454	1.428	3.737	3.361	34.729	4.54	197	27.798	30.160	32.484	37.052	30.2	0.260	1465.3	642
550	1.404	1.375	3.725	3.311	34.730	4.53	197	27.803	30.162	32.487	37.056	30.1	0.275	1466.0	691
600	1.340	1.308	3.698	3.247	34.730	4.53	197	27.807	30.165	32.489	37.060	30.1	0.290	1466.7	740
650	1.300	1.266	3.696	3.207	34.730	4.55	198	27.810	30.167	32.492	37.063	29.9	0.305	1467.3	790
700	1.268	1.232	3.702	3.175	34.729	4.55	198	27.812	30.170	32.495	37.068	29.8	0.320	1468.0	839
750	1.239	1.200	3.710	3.146	34.728	4.58	199	27.814	30.172	32.498	37.072	29.8	0.335	1468.7	888
800	1.204	1.162	3.713	3.111	34.728	4.59	200	27.816	30.174	32.500	37.075	29.7	0.350	1469.4	937
850	1.170	1.126	3.717	3.077	34.727	4.66	203	27.819	30.175	32.502	37.078	29.6	0.365	1470.1	987
900	1.136	1.089	3.720	3.043	34.726	4.68	203	27.822	30.175	32.502	37.078	29.6	0.365	1470.1	988
950	1.106	1.056	3.728	3.013	34.725	4.70	204	27.822	30.175	32.502	37.078	29.6	0.365	1470.1	988
1000	1.077	1.024	3.736	2.983	34.724	4.75	206	27.822	30.175	32.502	37.078	29.6	0.365	1470.1	988

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	83U	94/10/06	19:13	-71.175	-152.949	4340		973	221	9	-13.6				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	psa	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.758	-1.758	0.118	0.111	34.071	7.05	307	27.425	29.824	32.195	36.858	64.4	0.006	1439.8	9
20	-1.758	-1.759	0.126	0.111	34.072	7.06	307	27.426	29.825	32.196	36.859	64.3	0.013	1440.0	19
30	-1.738	-1.738	0.154	0.131	34.076	7.02	305	27.428	29.827	32.198	36.860	64.0	0.019	1440.2	29
40	-1.664	-1.665	0.236	0.206	34.086	6.96	303	27.434	29.831	32.202	36.862	63.4	0.026	1440.8	39
50	-1.582	-1.583	0.327	0.289	34.096	6.92	301	27.440	29.836	32.205	36.862	62.8	0.032	1441.3	49
60	-1.548	-1.549	0.368	0.323	34.104	6.85	298	27.445	29.841	32.209	36.865	62.2	0.038	1441.7	59
70	-1.474	-1.476	0.450	0.398	34.115	6.77	294	27.453	29.847	32.214	36.868	61.5	0.044	1442.2	69
80	-1.344	-1.345	0.589	0.529	34.132	6.67	290	27.462	29.854	32.219	36.869	60.6	0.051	1443.0	79
90	-1.267	-1.270	0.674	0.606	34.144	6.59	287	27.469	29.860	32.223	36.871	59.9	0.057	1443.5	89
100	-1.255	-1.258	0.693	0.619	34.149	6.53	284	27.473	29.863	32.227	36.874	59.5	0.063	1443.8	98
125	-0.930	-0.934	1.041	0.947	34.205	6.13	266	27.506	29.892	32.250	36.887	56.3	0.077	1445.8	123
150	-0.101	-0.106	1.897	1.784	34.343	5.47	238	27.581	29.953	32.298	36.909	49.6	0.090	1450.2	148
175	0.826	0.818	2.852	2.720	34.506	4.85	211	27.660	30.017	32.348	36.931	42.6	0.102	1455.1	173
200	1.310	1.300	3.360	3.210	34.604	4.56	198	27.707	30.057	32.381	36.949	38.5	0.112	1457.8	197
225	1.531	1.520	3.603	3.433	34.655	4.45	193	27.732	30.078	32.399	36.961	36.3	0.121	1459.2	222
250	1.605	1.592	3.697	3.509	34.680	4.43	193	27.747	30.092	32.411	36.971	35.1	0.130	1460.0	247
275	1.624	1.609	3.736	3.529	34.698	4.43	193	27.760	30.105	32.424	36.983	33.9	0.139	1460.5	271
300	1.619	1.604	3.750	3.524	34.705	4.45	193	27.766	30.111	32.430	36.990	33.4	0.147	1460.9	296
325	1.608	1.591	3.758	3.514	34.712	4.46	194	27.773	30.118	32.437	36.997	32.9	0.155	1461.3	321
350	1.588	1.570	3.758	3.494	34.717	4.47	194	27.778	30.124	32.443	37.003	32.5	0.164	1461.6	346
375	1.567	1.548	3.756	3.473	34.720	4.49	195	27.782	30.128	32.447	37.008	32.2	0.172	1461.9	370
400	1.552	1.531	3.759	3.458	34.723	4.50	196	27.785	30.132	32.452	37.013	32.0	0.180	1462.3	395
425	1.524	1.502	3.750	3.430	34.724	4.51	196	27.788	30.135	32.455	37.018	31.7	0.188	1462.6	420
450	1.506	1.483	3.752	3.413	34.725	4.52	196	27.791	30.138	32.459	37.021	31.6	0.196	1462.9	444
475	1.476	1.451	3.740	3.383	34.727	4.53	197	27.794	30.142	32.463	37.027	31.3	0.203	1463.2	469
500	1.450	1.424	3.733	3											

Latitude 71 11 S  
Longitude 152 57 W

Salinity

NP9405 083

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

0

200

400

600

800

1000

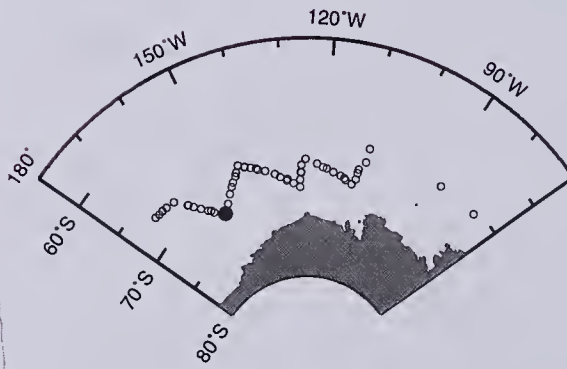
2000

3000

4000

5000

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Potential Temperature (°C)

SHCRUS NP9405	STNM 84D	YR/MO/DA 94/10/06	GTIME 19:13	LATITUDE -71.175	LONGITUDE -152.949	DPTH 4340	HT	BARO 974	WND 215	WNS 10	AIRTM -13.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.765	-1.765	0.112	0.104	34.072	7.09	308	27.425	29.824	32.196	36.859	64.4	0.006	1439.8	9
20	-1.760	-1.761	0.124	0.109	34.073	7.10	309	27.427	29.825	32.197	36.860	64.2	0.013	1440.0	19
30	-1.746	-1.747	0.146	0.123	34.075	7.05	306	27.427	29.826	32.197	36.860	64.1	0.019	1440.2	29
40	-1.716	-1.717	0.183	0.153	34.078	7.00	304	27.429	29.827	32.198	36.860	63.9	0.026	1440.5	39
50	-1.606	-1.607	0.302	0.264	34.093	6.92	301	27.438	29.834	32.204	36.862	63.0	0.032	1441.2	49
60	-1.560	-1.562	0.356	0.311	34.100	6.86	298	27.443	29.839	32.207	36.864	62.4	0.038	1441.6	59
70	-1.501	-1.503	0.423	0.370	34.109	6.77	294	27.448	29.843	32.210	36.865	61.9	0.045	1442.0	69
80	-1.369	-1.371	0.564	0.503	34.128	6.70	291	27.459	29.852	32.217	36.868	60.8	0.051	1442.9	79
90	-1.302	-1.304	0.638	0.571	34.137	6.64	289	27.465	29.856	32.220	36.869	60.3	0.057	1443.4	89
100	-1.273	-1.276	0.675	0.600	34.145	6.54	284	27.470	29.861	32.225	36.872	59.7	0.063	1443.7	98
125	-0.994	-0.998	0.976	0.882	34.186	6.13	266	27.494	29.880	32.239	36.878	57.5	0.077	1445.4	123
150	-0.119	-0.124	1.878	1.765	34.326	5.43	236	27.568	29.941	32.286	36.898	50.8	0.091	1450.1	148
175	0.719	0.712	2.743	2.611	34.475	4.95	215	27.642	30.001	32.334	36.920	44.2	0.103	1454.6	173
200	1.250	1.241	3.299	3.149	34.587	4.60	200	27.698	30.049	32.373	36.944	39.3	0.113	1457.5	197
225	1.565	1.554	3.638	3.468	34.663	4.48	195	27.736	30.082	32.402	36.963	36.0	0.123	1459.4	222
250	1.608	1.596	3.701	3.512	34.684	4.48	195	27.749	30.095	32.414	36.974	34.8	0.132	1460.0	247
275	1.625	1.611	3.737	3.530	34.698	4.49	195	27.759	30.105	32.424	36.983	34.0	0.140	1460.5	271
300	1.618	1.603	3.750	3.523	34.707	4.51	196	27.767	30.113	32.432	36.991	33.3	0.149	1460.9	296
325	1.606	1.589	3.756	3.512	34.712	4.53	197	27.772	30.118	32.437	36.997	33.0	0.157	1461.3	321
350	1.594	1.576	3.764	3.500	34.717	4.55	198	27.777	30.123	32.443	37.003	32.5	0.165	1461.7	346
375	1.580	1.561	3.769	3.486	34.720	4.57	198	27.781	30.127	32.447	37.007	32.3	0.173	1462.0	370
400	1.556	1.535	3.763	3.462	34.722	4.59	199	27.784	30.131	32.451	37.012	32.0	0.181	1462.3	395
425	1.532	1.510	3.759	3.439	34.725	4.60	200	27.789	30.135	32.455	37.017	31.7	0.189	1462.6	420
450	1.509	1.485	3.754	3.416	34.726	4.61	200	27.792	30.139	32.459	37.022	31.5	0.197	1462.9	444
475	1.481	1.456	3.745	3.388	34.728	4.62	201	27.795	30.142	32.463	37.027	31.3	0.205	1463.2	469
499	1.445	1.419	3.728	3.352	34.728	4.64	202	27.798	30.146	32.467	37.032	31.0	0.212	1463.4	493

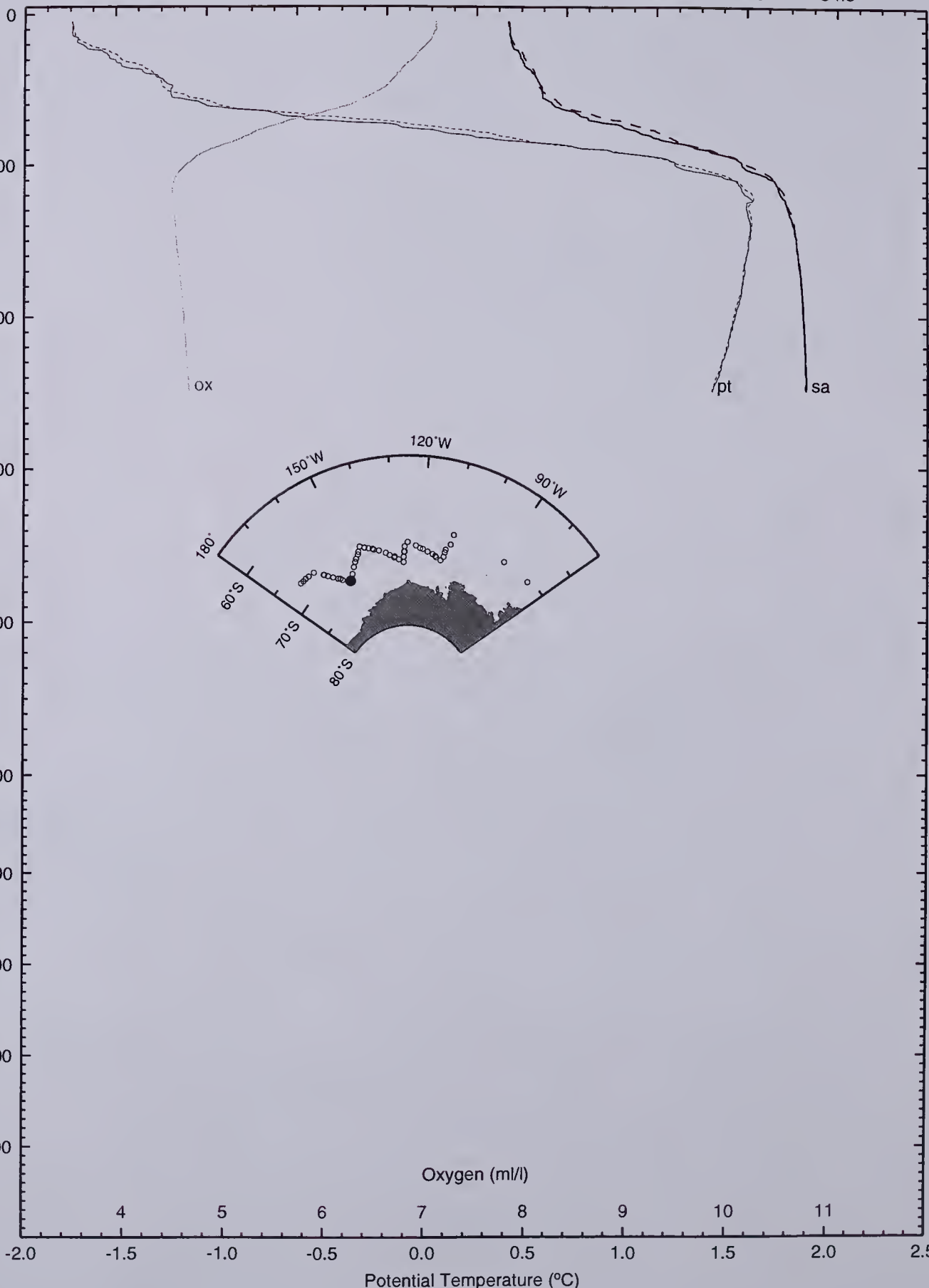
SHCRUS NP9405	STNM 84U	YR/MO/DA 94/10/06	GTIME 19:36	LATITUDE -71.172	LONGITUDE -152.949	DPTH 4340	HT	BARO 974	WND 215	WNS 10	AIRTM -13.3				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
9	-1.766	-1.767	0.109	0.103	34.070	7.08	308	27.424	29.823	32.195	36.858	64.5	0.006	1439.7	8
10	-1.766	-1.766	0.110	0.103	34.070	7.09	308	27.424	29.823	32.195	36.858	64.5	0.006	1439.8	9
20	-1.762	-1.762	0.122	0.107	34.072	7.10	309	27.425	29.824	32.196	36.859	64.4	0.013	1439.9	19
30	-1.743	-1.743	0.149	0.126	34.075	7.05	306	27.427	29.825	32.197	36.859	64.1	0.019	1440.2	29
40	-1.682	-1.683	0.218	0.188	34.083	7.00	304	27.432	29.830	32.200	36.861	63.6	0.026	1440.7	39
50	-1.573	-1.574	0.335	0.298	34.099	6.92	301	27.443	29.838	32.207	36.864	62.5	0.032	1441.4	49
60	-1.519	-1.520	0.397	0.352	34.108	6.86	298	27.448	29.842	32.210	36.866	62.0	0.038	1441.8	59
70	-1.408	-1.409	0.517	0.464	34.121	6.77	294	27.455	29.848	32.214	36.866	61.3	0.044	1442.5	69
80	-1.357	-1.359	0.576	0.515	34.129	6.70	291	27.460	29.852	32.217	36.868	60.8	0.051	1442.9	79
90	-1.321	-1.324	0.619	0.552	34.136	6.64	289	27.465	29.856	32.221	36.870	60.3	0.057	1443.3	89
100	-1.296	-1.299	0.652	0.577	34.143	6.54	284	27.469	29.860	32.225	36.873	59.8	0.063	1443.6	98
125	-0.956	-0.959	1.015	0.921	34.203	6.13	266	27.506	29.892	32.250	36.888	56.4	0.077	1445.7	123
150	0.046	0.041	2.045	1.932	34.366	5.43	236	27.592	29.962	32.305	36.911	48.6	0.090	1450.9	148
175	0.699	0.692	2.724	2.592	34.482	4.95	215	27.649	30.008	32.341	36.928	43.6	0.102	1454.5	173
200	1.293	1.283	3.343	3.192	34.601	4.60	200	27.705	30.056	32.380	36.949	38.6	0.112	1457.7	197
225	1.578	1.566	3.650	3.481	34.666	4.48	195	27.738	30.084	32.403	36.964	35.8	0.121	1459.5	222
250	1.624	1.611	3.716	3.528	34.684	4.48	195	27.748	30.094	32.413	36.972	34.9	0.130	1460.1	247
275	1.633	1.619	3.745	3.538	34.701	4.49	195	27.761	30.106	32.425	36.984	33.8	0.138	1460.6	271
300	1.619	1.603	3.750	3.524	34.706	4.51	196	27.767	30.112	32.431	36.991	33.4	0.147	1460.9	296
325	1.603	1.587	3.754	3.509	34.712	4.53	197	27.773	30.119	32.438	36.998	32.9	0.155	1461.3	321
350	1.592	1.573	3.761	3.498	34.717	4.55	198	27.778	30.123	32.443	37.003	32.5	0.163	1461.6	346
375	1.573	1.554	3.762	3.479	34.720	4.57	198	27.781	30.127	32.447	37.008	32.3	0.171	1462.0	370
400	1.547	1.526	3.754	3.453	34.722	4.59	199	27.785	30.132	32.452	37.013	32.0	0.179	1462.3	395
425	1.530	1.508	3.756	3.436	34.724	4.60	200	27.788	30.135	32.455	37.017	31.7	0.187	1462.6	420
450	1.504	1.480	3.749	3.410	34.726	4.61	200	27.791	30.138	32.459	37.022	31.5	0.195	1462.9	444
475	1.474	1.449	3.738	3.381	34.727	4.62	201	27.794	30.142	32.463	37.027	31.3	0.203	1463.2	469
498	1.444	1.419	3.726	3.351	34.727	4.64	202	27.797	30.145	32.467	37.031	31.1	0.210	1463.4	492

Latitude 71 10 S  
Longitude 152 57 W

Salinity

NP9405 084

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



Pressure (dbar)

Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

4 5 6 7 8 9 10 11

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

SHCRUS NP9405	STNM 85D	YR/MO/DA 94/10/06	GTIME 19:37	LATITUDE -71.172	LONGITUDE -152.949	DPTH 4308	HT 5	BARO 974	WND 215	WNS 10	AIRTM -13.3	PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
9	-1.772	-1.772	0.104	0.097	34.070	7.08	308	27.424	29.823	32.195	36.858	64.5	0.006	1439.7	8												
10	-1.772	-1.773	0.104	0.097	34.070	7.08	308	27.424	29.823	32.195	36.858	64.5	0.006	1439.7	9												
20	-1.766	-1.767	0.118	0.103	34.070	7.07	307	27.424	29.823	32.195	36.858	64.4	0.013	1439.9	19												
30	-1.758	-1.758	0.134	0.111	34.072	7.06	307	27.425	29.824	32.196	36.859	64.3	0.019	1440.1	29												
40	-1.718	-1.718	0.182	0.151	34.076	7.06	307	27.427	29.825	32.196	36.858	64.0	0.026	1440.5	39												
50	-1.609	-1.610	0.299	0.261	34.092	7.04	306	27.438	29.834	32.203	36.862	63.0	0.032	1441.2	49												
60	-1.548	-1.549	0.368	0.323	34.101	7.02	305	27.443	29.838	32.207	36.863	62.5	0.038	1441.7	59												
70	-1.463	-1.464	0.461	0.408	34.112	6.97	303	27.450	29.844	32.211	36.864	61.8	0.045	1442.2	69												
80	-1.398	-1.400	0.534	0.474	34.122	6.88	299	27.455	29.848	32.214	36.866	61.2	0.051	1442.7	79												
90	-1.346	-1.348	0.594	0.527	34.132	6.72	292	27.462	29.854	32.219	36.869	60.6	0.057	1443.1	89												
100	-1.304	-1.307	0.644	0.569	34.139	6.54	284	27.466	29.858	32.222	36.871	60.1	0.063	1443.5	98												
125	-1.086	-1.089	0.883	0.789	34.173	5.91	257	27.487	29.874	32.235	36.877	58.1	0.078	1445.0	123												
150	-0.120	-0.126	1.876	1.764	34.326	5.52	240	27.569	29.941	32.287	36.898	50.7	0.091	1450.1	148												
175	0.581	0.573	2.603	2.471	34.451	4.87	212	27.631	29.992	32.327	36.917	45.2	0.103	1453.9	173												
200	1.226	1.216	3.275	3.124	34.581	4.56	198	27.694	30.046	32.371	36.942	39.6	0.114	1457.4	197												
225	1.500	1.489	3.571	3.402	34.646	4.29	186	27.727	30.074	32.395	36.958	36.7	0.123	1459.1	222												
250	1.639	1.626	3.731	3.542	34.684	4.26	185	27.747	30.093	32.411	36.970	35.0	0.132	1460.2	247												
275	1.637	1.623	3.749	3.542	34.699	4.26	185	27.759	30.104	32.423	36.982	34.0	0.141	1460.6	271												
300	1.619	1.603	3.750	3.524	34.707	4.27	186	27.767	30.113	32.432	36.991	33.3	0.149	1460.9	296												
325	1.611	1.595	3.762	3.517	34.712	4.30	187	27.772	30.118	32.437	36.997	32.9	0.157	1461.3	321												
350	1.597	1.578	3.766	3.502	34.718	4.31	187	27.778	30.123	32.443	37.003	32.5	0.166	1461.7	346												
375	1.579	1.559	3.768	3.485	34.721	4.32	188	27.782	30.128	32.447	37.008	32.2	0.174	1462.0	370												
400	1.558	1.538	3.766	3.464	34.724	4.32	188	27.786	30.132	32.452	37.013	31.9	0.182	1462.3	395												
425	1.534	1.512	3.761	3.441	34.725	4.32	188	27.789	30.136	32.456	37.018	31.7	0.190	1462.6	420												
450	1.514	1.490	3.759	3.421	34.726	4.32	188	27.791	30.138	32.459	37.021	31.5	0.198	1462.9	444												
475	1.476	1.452	3.741	3.383	34.728	4.32	188	27.795	30.143	32.464	37.027	31.2	0.205	1463.2	469												
500	1.451	1.425	3.734	3.358	34.729	4.32	188	27.798	30.146	32.467	37.031	31.0	0.213	1463.5	494												
550	1.397	1.369	3.718	3.304	34.729	4.30	187	27.802	30.151	32.473	37.039	30.8	0.229	1464.1	543												
600	1.349	1.317	3.707	3.256	34.729	4.30	187	27.806	30.155	32.478	37.046	30.5	0.244	1464.7	592												
650	1.314	1.280	3.710	3.221	34.730	4.33	188	27.809	30.159	32.482	37.051	30.3	0.259	1465.3	642												
700	1.267	1.231	3.701	3.174	34.729	4.33	188	27.812	30.162	32.487	37.056	30.1	0.274	1466.0	691												
750	1.237	1.198	3.708	3.144	34.728	4.33	188	27.814	30.165	32.490	37.060	30.0	0.289	1466.7	740												
800	1.209	1.167	3.718	3.116	34.728	4.34	189	27.815	30.167	32.492	37.063	30.0	0.304	1467.4	790												
850	1.177	1.132	3.724	3.084	34.727	4.36	189	27.817	30.169	32.495	37.067	29.9	0.319	1468.0	839												
900	1.151	1.103	3.735	3.058	34.726	4.38	190	27.819	30.171	32.497	37.070	29.8	0.334	1468.7	888												
950	1.118	1.068	3.740	3.025	34.725	4.40	191	27.820	30.173	32.499	37.074	29.8	0.349	1469.4	937												
1000	1.078	1.025	3.738	2.984	34.724	4.44	193	27.822	30.175	32.502	37.078	29.6	0.364	1470.1	987												
1100	1.014	0.956	3.749	2.920	34.721	4.47	194	27.825	30.179	32.507	37.085	29.5	0.393	1471.4	1085												
1200	0.947	0.883	3.757	2.853	34.719	4.50	196	27.827	30.183	32.512	37.091	29.2	0.423	1472.8	1184												
1300	0.902	0.831	3.787	2.808	34.717	4.54	197	27.829	30.185	32.515	37.096	29.1	0.452	1474.3	1282												
1400	0.855	0.779	3.816	2.761	34.715	4.56	198	27.831	30.188	32.519	37.101	29.0	0.481	1475.7	1380												
1500	0.807	0.725	3.843	2.713	34.713	4.58	199	27.833	30.191	32.522	37.106	28.8	0.510	1477.2	1479												
1600	0.756	0.667	3.867	2.662	34.711	4.60	200	27.835	30.194	32.526	37.111	28.6	0.539	1478.6	1577												
1700	0.724	0.629	3.910	2.630	34.710	4.62	201	27.836	30.196	32.528	37.115	28.5	0.567	1480.1	1675												
1800	0.691	0.589	3.952	2.597	34.709	4.64	202	27.838	30.198	32.531	37.119	28.4	0.596	1481.7	1773												
1900	0.656	0.547	3.992	2.562	34.708	4.66	202	27.840	30.200	32.534	37.123	28.2	0.624	1483.2	1871												
2000	0.617	0.502	4.029	2.522	34.707	4.67	203	27.841	30.203	32.537	37.128	28.0	0.652	1484.7	1969												
2100	0.581	0.458	4.067	2.486	34.706	4.68	204	27.843	30.205	32.541	37.132	27.7	0.680	1486.2	2067												
2200	0.542	0.413	4.104	2.447	34.706	4.70	204	27.846	30.208	32.544	37.137	27.5	0.708	1487.7	2165												
2300	0.506	0.370	4.144	2.411	34.705	4.71	205	27.848	30.211	32.548	37.142	27.2	0.735	1489.2	2263												
2400	0.469	0.325	4.181	2.374	34.705	4.73	205	27.850	30.214	32.551	37.147	26.8	0.762	1490.8	2361												
2500	0.436	0.285	4.224	2.341	34.705	4.75	207	27.852	30.217	32.555	37.151	26.5	0.789	1492.3	2459												
2600	0.407	0.249	4.271	2.312	34.705	4.77	207	27.854	30.219	32.558	37.155	26.3	0.815	1493.9	2557												
2700	0.387	0.221	4.326	2.292	34.705	4.78	208	27.856	30.221	32.560	37.159	26.1	0.841	1495.5	2655												
2800	0.362	0.187	4.376	2.267	34.705	4.80	208	27.858	30.224	32.563	37.162	25.8	0.867	1497.1	2752												
2900	0.341	0.159	4.430	2.246	34.705	4.82	209	27.859	30.226	32.565	37.166	25.6	0.893	1498.7	2850												
3000	0.320	0.130	4.485	2.225	34.705	4.83	210	27.861	30.228	32.568	37.169	25.4	0.918	1500.3	2948												
3200	0.286	0.078	4.601	2.191	34.704	4.88	212	27.863	30.231	32.572	37.174	25.0	0.969	1503.6	3143												
3400	0.249	0.024	4.715	2.154	34.704	4.93	214	27.866	30.234	32.576	37.180	24.6	1.018	1506.9	3338												
3600	0.200	-0.043	4.816	2.105	34.703	4.99	217	27.869	30.238	32.581	37.187	24.0	1.067	1510.1	3533												
3800	0.158	-0.103	4.924	2.063	34.702	5.07	220	27.871	30.241	32.585	37.193	23.4	1.114	1513.4	3727												
4000	0.143	-0.138	5.060	2.048	34.702	5.12	222	27.873	30.244	32.588	37.197	23.2	1.161	1516.8	3922												
4200	0.147	-0.154	5.215	2.052	34.702	5.15	224	27.874	30.245	32.589	37.199	23.2	1.207	1520.2	4116												
4390	0.159	-0.163	5.370	2.064	34.701	5.22	227	27.874	30.245	32.589	37.199	23.5	1.252	1523.6	4300												

SHCRUS NP9405	STNM 85D	YR/MO/DA 94/10/06	GTIME 22:38	LATITUDE -71.151	LONGITUDE -152.935	DPTH 4308	HT 5	BARO 974	WND 215	WNS 10	AIRTM -13.3	PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	P04 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pH/kg	F12 pM/kg	F113 pM/kg	BN	DPTH m
2	-1.774	34.063	34.064	6.99	308	49.2	1.93	27.6	2188	484	5.84	3.17	0.58	24	2												
25	-1.768	34.063	34.065	6.98	307	48.7	1.91	27.6	2187	492	5.72	2.75	0.52	22	25												
29	-1.766	34.063			307	50.0	1.92	27.3	2188	488				21	29												
40	-1.722	34.069	34.068	7.00	307	50.2	1.93	27.5	2188	491	5.65	2.71	0.53	20	40												
49	-1.701	34.075			306	50.1	1.91	27.2	2188	489	5.70	2.77	0.53	19	49												
62	-1.660	34.084	34.088	6.97	304	50.2	1.93	27.7	2189	490	5.48	2.73	0.53	18	62												
81	-1.542	34.102			6.90	297	50.7	1.92	27.7	2191	499	5.62	2.78	0.52	17	80											
100	-1.352	34.130	34.137	6.82	283	53.3	1.97																				

Latitude 71 10 S  
Longitude 152 57 W

Salinity

NP9405 085

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

0

200

400

600

800

1000

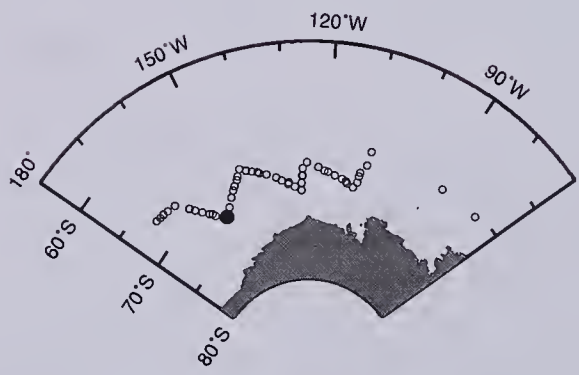
2000

3000

4000

5000

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



SHCRUS NP9405	STNM 86D	YR/MO/DA 94/10/07	GTIME 04:22	LATITUDE -71.088	LONGITUDE -154.312	DPTH 4370	HT	BARO 976	WND 217	WNS 16	AIRTM -11.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.791	-1.791	0.083	0.079	34.084	6.87	299	27.436	29.835	32.207	36.871	63.5	0.004	1439.6	5
10	-1.789	-1.789	0.089	0.081	34.084	6.88	299	27.436	29.835	32.207	36.871	63.4	0.006	1439.7	9
20	-1.799	-1.800	0.086	0.071	34.082	6.88	299	27.435	29.834	32.206	36.871	63.4	0.013	1439.8	19
30	-1.776	-1.776	0.117	0.094	34.088	6.89	299	27.439	29.838	32.210	36.873	63.0	0.019	1440.1	29
40	-1.777	-1.778	0.123	0.093	34.089	6.91	300	27.439	29.838	32.210	36.874	62.9	0.025	1440.2	39
50	-1.706	-1.707	0.203	0.165	34.100	6.90	300	27.447	29.845	32.216	36.877	62.1	0.032	1440.7	49
60	-1.693	-1.694	0.223	0.178	34.100	6.88	299	27.447	29.844	32.215	36.876	62.1	0.038	1441.0	59
70	-1.589	-1.591	0.335	0.283	34.115	6.84	297	27.456	29.852	32.221	36.878	61.2	0.044	1441.6	69
80	-1.564	-1.566	0.368	0.308	34.119	6.82	296	27.459	29.854	32.222	36.879	60.9	0.050	1441.9	79
90	-1.434	-1.436	0.506	0.439	34.136	6.77	294	27.468	29.862	32.228	36.881	59.9	0.056	1442.7	89
100	-1.381	-1.384	0.567	0.492	34.145	6.54	284	27.473	29.866	32.231	36.882	59.4	0.062	1443.2	98
125	-0.654	-0.658	1.320	1.226	34.255	5.95	258	27.536	29.917	32.271	36.899	53.6	0.076	1447.1	123
150	-0.459	-0.464	1.535	1.422	34.288	5.68	247	27.554	29.931	32.282	36.904	52.0	0.089	1448.5	148
175	0.294	0.288	2.315	2.183	34.424	5.40	235	27.625	29.991	32.330	36.929	45.5	0.102	1452.6	173
200	0.766	0.757	2.811	2.661	34.518	5.04	219	27.673	30.032	32.363	36.948	41.3	0.112	1455.2	197
225	1.124	1.114	3.192	3.023	34.595	4.68	203	27.712	30.065	32.391	36.965	37.9	0.122	1457.4	222
250	1.322	1.310	3.412	3.224	34.643	4.42	192	27.737	30.087	32.411	36.979	35.7	0.131	1458.7	247
275	1.372	1.358	3.481	3.275	34.658	4.32	188	27.746	30.095	32.417	36.984	35.1	0.140	1459.4	271
300	1.517	1.502	3.649	3.423	34.711	4.32	188	27.778	30.125	32.445	37.007	32.2	0.148	1460.5	296
325	1.501	1.485	3.652	3.407	34.716	4.33	188	27.784	30.131	32.451	37.014	31.8	0.156	1460.8	321
350	1.495	1.478	3.665	3.401	34.718	4.34	189	27.785	30.132	32.453	37.016	31.7	0.164	1461.2	346
375	1.480	1.461	3.669	3.386	34.722	4.36	189	27.790	30.137	32.458	37.022	31.3	0.172	1461.6	370
400	1.475	1.454	3.682	3.382	34.725	4.36	190	27.793	30.140	32.461	37.025	31.2	0.180	1462.0	395
425	1.460	1.438	3.686	3.367	34.726	4.37	190	27.795	30.143	32.464	37.028	31.0	0.188	1462.3	420
450	1.431	1.408	3.676	3.338	34.727	4.36	189	27.798	30.146	32.468	37.032	30.8	0.196	1462.6	444
475	1.413	1.389	3.678	3.321	34.728	4.35	189	27.800	30.148	32.470	37.035	30.7	0.203	1462.9	469
500	1.381	1.355	3.664	3.288	34.728	4.36	189	27.802	30.151	32.474	37.040	30.5	0.211	1463.2	494
550	1.322	1.304	3.653	3.239	34.728	4.35	189	27.806	30.156	32.479	37.047	30.2	0.226	1463.8	543
600	1.289	1.258	3.648	3.196	34.729	4.37	190	27.810	30.160	32.484	37.052	30.0	0.241	1464.4	592
650	1.257	1.223	3.653	3.164	34.728	4.42	192	27.812	30.162	32.487	37.056	30.0	0.256	1465.1	642
700	1.214	1.178	3.648	3.121	34.727	4.45	194	27.814	30.166	32.491	37.062	29.8	0.271	1465.7	691
750	1.175	1.136	3.646	3.082	34.727	4.48	195	27.817	30.168	32.494	37.066	29.7	0.286	1466.4	740
800	1.148	1.106	3.657	3.055	34.726	4.50	195	27.818	30.170	32.496	37.069	29.6	0.301	1467.1	790
850	1.122	1.078	3.669	3.029	34.725	4.52	196	27.819	30.172	32.498	37.072	29.6	0.316	1467.8	839
900	1.085	1.038	3.669	2.991	34.724	4.54	197	27.821	30.174	32.501	37.076	29.5	0.330	1468.4	888
950	1.052	1.002	3.673	2.958	34.722	4.58	199	27.822	30.176	32.504	37.080	29.4	0.345	1469.1	937
1000	1.020	0.968	3.680	2.926	34.721	4.61	200	27.823	30.178	32.506	37.083	29.3	0.360	1469.8	987

SHCRUS NP9405	STNM 86U	YR/MO/DA 94/10/07	GTIME 05:22	LATITUDE -71.079	LONGITUDE -154.307	DPTH 4370	HT	BARO 976	WND 217	WNS 16	AIRTM -11.4				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	ps	ps	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uamt	pM/kg	pM/kg	pM/kg		m
5	-1.771	34.091	34.100	6.94	293	52.8	1.92	28.4	2193	497				16	5
35	-1.794	34.090	34.090	6.85	295	52.3	1.93	28.3	2193	499				14	34
60	-1.748	34.096	34.107	6.82	294	52.7	1.98	28.3	2193	502				12	59
100	-1.515	34.128		6.67	277	55.5	1.98	28.9	2197	510				10	99
200	0.492	34.466	34.472	5.08	212	77.1	2.19	31.8	2234	589				8	198
301	1.488	34.707	34.706	4.26	183	94.7	2.22	32.6	2255	613				6	297
598	1.285	34.728	34.727	4.29	184	106.3	2.24	32.6	2260	601				4	591
1001	1.018	34.721	34.726	4.52	195	114.8	2.24	32.5	2261	588				1	988

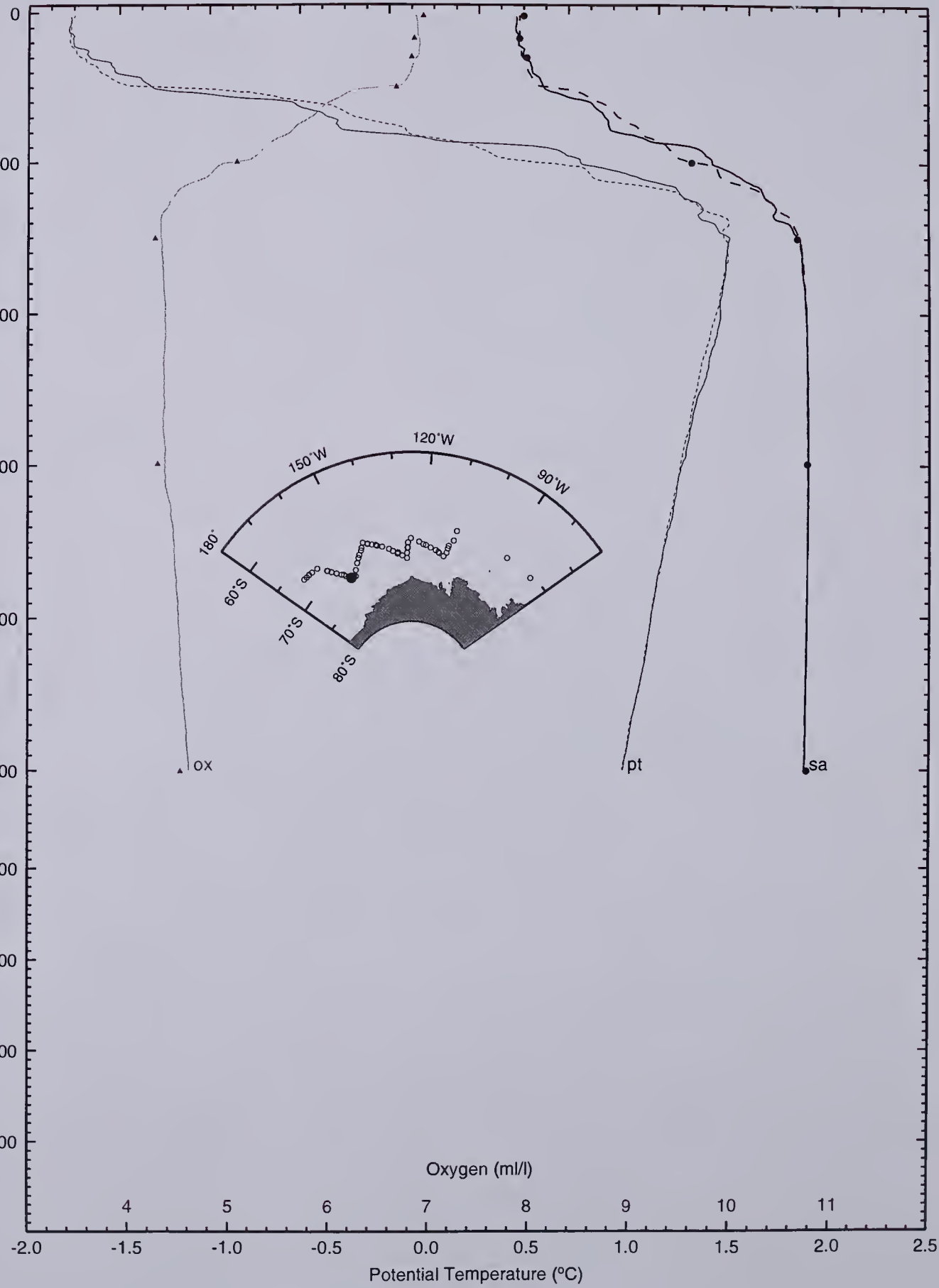
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.773	-1.773	0.100	0.097	34.091	6.87	298	27.441	29.840	32.212	36.875	63.0	0.003	1439.7	3
10	-1.788	-1.788	0.089	0.082	34.091	6.88	299	27.441	29.840	32.213	36.876	62.9	0.006	1439.7	9
20	-1.790	-1.791	0.095	0.080	34.090	6.88	299	27.441	29.840	32.213	36.876	62.8	0.013	1439.8	19
30	-1.792	-1.792	0.101	0.078	34.090	6.89	299	27.441	29.840	32.213	36.876	62.8	0.019	1440.0	29
40	-1.794	-1.795	0.106	0.076	34.090	6.91	300	27.441	29.840	32.213	36.877	62.7	0.025	1440.1	39
50	-1.764	-1.765	0.144	0.106	34.094	6.90	300	27.444	29.842	32.214	36.877	62.4	0.031	1440.4	49
60	-1.732	-1.733	0.184	0.139	34.098	6.88	299	27.446	29.844	32.215	36.877	62.2	0.038	1440.8	59
70	-1.675	-1.676	0.249	0.196	34.106	6.84	297	27.451	29.848	32.219	36.879	61.6	0.044	1441.2	69
80	-1.638	-1.639	0.294	0.233	34.111	6.82	296	27.454	29.850	32.220	36.879	61.3	0.050	1441.6	79
90	-1.576	-1.578	0.363	0.296	34.120	6.77	294	27.460	29.855	32.224	36.881	60.7	0.056	1442.0	89
100	-1.294	-1.297	0.655	0.580	34.163	6.54	284	27.485	29.877	32.241	36.889	58.3	0.062	1443.6	98
125	-0.482	-0.486	1.494	1.399	34.288	5.95	258	27.555	29.933	32.284	36.906	51.9	0.076	1448.0	123
150	-0.188	-0.194	1.809	1.697	34.344	5.68	247	27.587	29.960	32.306	36.920	49.0	0.088	1449.8	148
175	0.185	0.179	2.206	2.074	34.411	5.40	235	27.621	29.989	32.330	36.932	45.9	0.100	1452.0	173
200	0.565	0.556	2.608	2.458	34.485	5.04	219	27.659	30.020	32.355	36.946	42.5	0.112	1454.3	197
225	0.894	0.884	2.960	2.791	34.553	4.68	203	27.693	30.050	32.380	36.960	39.5	0.122	1456.3	222
250	1.304	1.292	3.394	3.206	34.641	4.42	192	27.737	30.087	32.410	36.979	35.8	0.131	1458.6	247
275	1.507	1.493	3.619	3.412	34.694	4.32	188	27.765	30.112	32.433	36.995	33.4	0.140	1460.0	271
300	1.487	1.472	3.619	3.393	34.708	4.32	188	27.778	30.125	32.446	37.009	32.2	0.148	1460.3	296
325	1.510	1.493	3.660	3.416	34.717	4.33	188	27.783	30.130	32.451	37.013	31.8	0.156	1460.9	321
350	1.489	1.471	3.659	3.395	34.721	4.34	189	27.788	30.135	32.456	37.019	31.4	0.164	1461.2	346
375	1.472	1.452	3.660	3.377	34.723	4.36	189	27.792	30.139	32.460	37.024	31.2	0.171	1461.5	370
400	1.452	1.431	3.660	3.359	34.726	4.36	190	27.795	30.143	32.464	37.028	30.9	0.179	1461.9	395
425	1.426	1.405	3.653	3.333	34.727	4.37	190	27.798	30.146	32.468	37.032	30.7	0.187	1462.1	420
450	1.403	1.381	3.649	3.311	34.727	4.36	189	27.8							

Latitude 71 05 S  
Longitude 154 19 W

Salinity

NP9405 086

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	87D	94/10/07	15:53	-70.450	-155.985	4370		990	208	10	-10.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
7	-1.800	-1.800	0.076	0.070	34.054	6.76	294	27.445	29.844	32.216	36.880	62.6	0.004	1439.6	6
10	-1.804	-1.804	0.074	0.066	34.094	6.75	293	27.444	29.843	32.216	36.880	62.6	0.006	1439.6	9
20	-1.799	-1.800	0.086	0.071	34.095	6.75	294	27.445	29.844	32.216	36.880	62.5	0.013	1439.8	19
30	-1.794	-1.794	0.099	0.077	34.096	6.74	293	27.446	29.845	32.218	36.882	62.3	0.019	1440.0	29
40	-1.789	-1.789	0.112	0.082	34.098	6.73	293	27.448	29.847	32.219	36.883	62.1	0.025	1440.2	39
50	-1.748	-1.749	0.160	0.123	34.106	6.72	292	27.453	29.851	32.223	36.885	61.5	0.031	1440.5	49
60	-1.717	-1.718	0.200	0.154	34.112	6.68	290	27.457	29.855	32.225	36.887	61.1	0.037	1440.9	59
70	-1.646	-1.647	0.279	0.226	34.123	6.64	289	27.464	29.861	32.231	36.890	60.4	0.043	1441.4	69
80	-1.460	-1.461	0.474	0.413	34.147	6.55	285	27.478	29.872	32.238	36.892	59.0	0.049	1442.5	79
90	-1.115	-1.117	0.829	0.761	34.195	6.36	276	27.505	29.893	32.255	36.897	56.5	0.055	1444.3	89
100	-0.767	-0.770	1.187	1.112	34.246	6.27	273	27.533	29.916	32.271	36.903	53.9	0.061	1446.2	98
125	-0.563	-0.567	1.414	1.319	34.306	5.83	254	27.573	29.952	32.304	36.929	50.2	0.074	1447.6	123
150	0.098	0.092	2.099	1.986	34.396	5.41	235	27.613	29.982	32.324	36.929	46.6	0.086	1451.2	148
175	0.309	0.302	2.332	2.200	34.454	5.14	223	27.649	30.014	32.353	36.951	43.3	0.097	1452.7	173
200	0.679	0.670	2.724	2.574	34.526	4.75	207	27.685	30.045	32.378	36.965	40.1	0.107	1454.9	197
225	1.150	1.139	3.220	3.050	34.613	4.44	193	27.725	30.077	32.403	36.976	36.7	0.117	1457.5	222
250	1.371	1.359	3.463	3.274	34.669	4.23	184	27.755	30.104	32.426	36.993	34.1	0.126	1459.0	247
275	1.478	1.465	3.591	3.383	34.703	4.20	183	27.774	30.121	32.442	37.006	32.5	0.134	1459.9	271
300	1.540	1.525	3.672	3.446	34.720	4.22	184	27.784	30.130	32.450	37.012	31.7	0.142	1460.6	296
325	1.510	1.493	3.661	3.416	34.723	4.23	184	27.788	30.135	32.455	37.018	31.4	0.150	1460.9	321
350	1.485	1.467	3.655	3.391	34.725	4.23	184	27.792	30.139	32.460	37.023	31.1	0.158	1461.2	346
375	1.466	1.447	3.655	3.373	34.726	4.24	184	27.794	30.142	32.463	37.027	30.9	0.166	1461.5	370
400	1.440	1.420	3.648	3.347	34.727	4.25	185	27.797	30.145	32.466	37.031	30.8	0.173	1461.8	395
425	1.411	1.389	3.638	3.318	34.728	4.25	185	27.800	30.148	32.470	37.035	30.5	0.181	1462.1	420
450	1.392	1.369	3.638	3.299	34.728	4.26	185	27.802	30.150	32.473	37.038	30.4	0.189	1462.4	444
475	1.372	1.348	3.637	3.279	34.729	4.27	185	27.804	30.153	32.475	37.041	30.3	0.196	1462.7	469
500	1.342	1.317	3.626	3.249	34.729	4.26	185	27.806	30.155	32.478	37.046	30.1	0.204	1463.0	494
550	1.297	1.269	3.617	3.204	34.729	4.27	185	27.809	30.159	32.483	37.051	29.9	0.219	1463.6	543
600	1.269	1.239	3.628	3.176	34.729	4.28	186	27.811	30.162	32.486	37.055	29.9	0.234	1464.3	592
650	1.238	1.204	3.634	3.145	34.728	4.29	186	27.813	30.164	32.488	37.059	29.8	0.249	1465.0	642
700	1.207	1.171	3.641	3.114	34.727	4.32	188	27.815	30.166	32.491	37.062	29.7	0.263	1465.7	691
750	1.176	1.137	3.648	3.083	34.727	4.35	189	27.816	30.168	32.494	37.066	29.7	0.278	1466.4	740
800	1.141	1.099	3.650	3.048	34.725	4.38	190	27.818	30.171	32.497	37.070	29.6	0.293	1467.0	790
850	1.102	1.058	3.649	3.008	34.724	4.41	191	27.820	30.173	32.500	37.074	29.5	0.308	1467.7	839
900	1.073	1.027	3.658	2.979	34.723	4.44	193	27.821	30.175	32.502	37.077	29.4	0.323	1468.4	888
950	1.045	0.995	3.667	2.951	34.722	4.46	194	27.823	30.177	32.504	37.080	29.3	0.337	1469.1	937
1000	1.016	0.963	3.675	2.922	34.721	4.48	195	27.824	30.178	32.506	37.083	29.3	0.352	1469.8	987

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	87U	94/10/07	17:00	-70.450	-155.986	4370		990	208	10	-10.2				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F13	BN	DPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
4	-1.792	34.097	34.098	6.88	294	53.8	1.94	28.2	2193	498				14/15	3
21	-1.790	34.098	34.097	6.74	293	53.2	1.96	28.4	2192	499				13/12	21
40	-1.784	34.100	34.102	6.79	293	54.1	1.98	28.7	2192	497				11	40
80	-1.568	34.136	34.143	6.67	284	55.6	2.00	29.0	2197	509				10/9	79
121	-0.652	34.289	34.287	6.02	258	64.2	2.08	29.9	2212	538				8	120
159	0.135	34.412	34.413	5.37	232	72.0	2.14	31.0	2228	574				7	158
221	0.977	34.588	34.587	4.63	197	84.1	2.24	32.1	2245	597				6	219
281	1.557	34.716	34.717	4.22	183	92.7	2.22	32.0	2254	605				5	278
402	1.431	34.727		4.26	185	98.1	2.23	32.2	2257	593				4	397
601	1.272	34.728	34.728	4.28	186	105.3	2.23	32.2	2259	595				3	594
800	1.143	34.725		4.37	191	109.3	2.22	32.5	2260	592				2	790
1001	1.013	34.721	34.722	4.46	195	113.6	2.23	32.3	2259	585				1	988

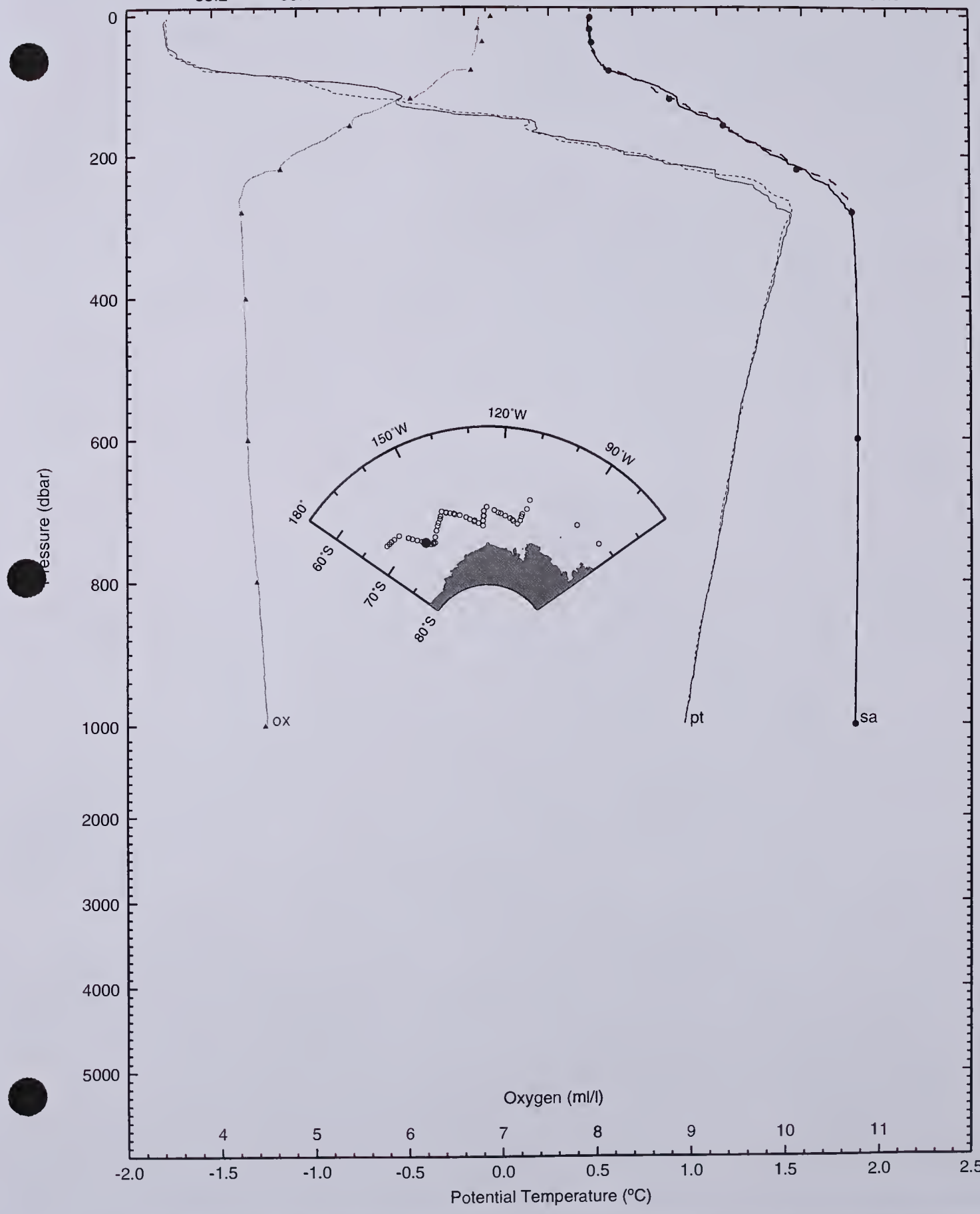
SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	87U	94/10/07	17:00	-70.450	-155.986	4370		990	208	10	-10.2				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.789	-1.789	0.085	0.082	34.097	6.76	294	27.446	29.846	32.218	36.881	62.4	0.002	1439.6	3
10	-1.794	-1.794	0.085	0.077	34.098	6.75	293	27.447	29.846	32.219	36.882	62.3	0.006	1439.7	9
20	-1.790	-1.790	0.096	0.081	34.098	6.75	294	27.448	29.847	32.219	36.882	62.2	0.012	1439.8	19
30	-1.786	-1.786	0.108	0.085	34.099	6.74	293	27.448	29.847	32.219	36.883	62.1	0.019	1440.0	29
40	-1.782	-1.783	0.119	0.089	34.100	6.73	293	27.449	29.848	32.220	36.883	62.0	0.025	1440.2	39
50	-1.776	-1.777	0.133	0.095	34.103	6.72	292	27.451	29.850	32.221	36.885	61.7	0.031	1440.4	49
60	-1.732	-1.733	0.185	0.139	34.112	6.68	290	27.457	29.855	32.226	36.888	61.1	0.037	1440.8	59
70	-1.629	-1.631	0.296	0.243	34.129	6.64	289	27.468	29.864	32.234	36.892	60.0	0.043	1441.5	69
80	-1.512	-1.514	0.422	0.361	34.147	6.55	285	27.480	29.874	32.242	36.897	58.9	0.049	1442.2	79
90	-1.179	-1.182	0.765	0.696	34.199	6.36	276	27.511	29.900	32.262	36.906	56.0	0.055	1444.0	89
100	-1.014	-1.017	0.940	0.864	34.236	6.27	273	27.535	29.921	32.280	36.919	53.7	0.060	1445.0	98
125	-0.522	-0.526	1.455	1.361	34.311	5.83	254	27.575	29.954	32.305	36.929	50.0	0.073	1447.8	123
150	0.126	0.120	2.127	2.014	34.404	5.41	235	27.619	29.987	32.329	36.933	46.1	0.085	1451.4	148
175	0.274	0.267	2.297	2.165	34.456	5.14	223	27.653	30.019	32.358	36.957	42.9	0.097	1452.5	173
200	0.761	0.753	2.808	2.657	34.548	4.75	207	27.698	30.056	32.388	36.973	39.0	0.107	1455.3	197
225	1.092	1.082	3.162	2.992	34.616	4.44	193	27.731	30.085	32.411	36.986	36.1	0.116	1457.2	222
250	1.424	1.412	3.517	3.328	34.688	4.23	184	27.767	30.115	32.436	37.001	33.1	0.125	1459.2	247
275	1.554	1.540	3.667	3.460	34.714	4.20	183	27.778	30.124	32.444	37.005	32.2	0.133	1460.2	271
300	1.522	1.507	3.654	3.428	34.719	4.22	184	27.784	30.131	32.451	37.013	31.6	0.141	1460.5	296
325	1.494	1.477	3.645	3.400	34.722	4.23	184	27.789	30.136	32.457	37.020	31.3	0.149	1460.8	321
350	1.481	1.463	3.651	3.387	34.724	4.23	184	27.791	30.139	32.460	37.023	31.1	0.157	1461.2	346
375	1.455	1.4													

Latitude 70 27 S  
Longitude 155 59 W

Salinity

NP9405 087

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	88D	94/10/07	23:40	-70.132	-156.549	4070	15	992	291	6	-10.8				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.798	-1.798	0.080	0.075	34.143	6.90	300	27.484	29.883	32.255	36.919	58.8	0.004	1439.6	5
10	-1.799	-1.800	0.082	0.074	34.145	6.89	300	27.486	29.885	32.257	36.920	58.7	0.006	1439.7	9
20	-1.799	-1.799	0.089	0.074	34.145	6.88	299	27.486	29.885	32.257	36.921	58.6	0.012	1439.9	19
30	-1.800	-1.801	0.096	0.073	34.145	6.85	298	27.486	29.885	32.257	36.921	58.5	0.018	1440.0	29
40	-1.796	-1.797	0.107	0.077	34.145	6.84	297	27.486	29.885	32.257	36.921	58.5	0.023	1440.2	39
50	-1.795	-1.796	0.116	0.078	34.146	6.81	296	27.486	29.885	32.257	36.921	58.4	0.029	1440.4	49
60	-1.774	-1.775	0.145	0.099	34.148	6.77	294	27.488	29.887	32.258	36.921	58.2	0.035	1440.6	59
70	-1.695	-1.696	0.232	0.179	34.159	6.71	292	27.494	29.892	32.262	36.923	57.5	0.041	1441.2	69
80	-1.557	-1.558	0.379	0.318	34.176	6.58	286	27.505	29.900	32.268	36.924	56.5	0.047	1442.0	79
90	-1.382	-1.384	0.562	0.494	34.200	6.54	284	27.518	29.911	32.276	36.926	55.2	0.052	1443.1	89
100	-1.348	-1.350	0.604	0.529	34.207	6.45	280	27.523	29.915	32.279	36.929	54.7	0.058	1443.4	98
125	-1.164	-1.168	0.808	0.714	34.231	6.20	269	27.537	29.925	32.287	36.931	53.4	0.071	1444.7	123
150	-1.037	-1.041	0.955	0.842	34.249	5.99	260	27.546	29.933	32.292	36.932	52.5	0.084	1445.7	148
175	-0.875	-0.880	1.137	1.006	34.273	5.64	245	27.559	29.943	32.300	36.935	51.2	0.097	1446.9	173
200	-0.574	-0.581	1.460	1.309	34.323	5.13	223	27.587	29.966	32.319	36.944	48.6	0.110	1448.8	197
225	-0.114	-0.122	1.943	1.774	34.400	4.76	207	27.628	30.000	32.345	36.956	45.0	0.122	1451.5	222
250	0.677	0.666	2.761	2.573	34.541	4.52	197	27.698	30.057	32.390	36.977	39.0	0.132	1455.7	247
275	1.117	1.104	3.225	3.018	34.628	4.35	189	27.739	30.092	32.419	36.993	35.5	0.142	1458.2	271
300	1.383	1.368	3.513	3.287	34.684	4.27	186	27.766	30.115	32.437	37.003	33.3	0.150	1459.9	296
325	1.444	1.428	3.594	3.349	34.704	4.24	184	27.778	30.126	32.447	37.011	32.3	0.158	1460.6	321
350	1.477	1.460	3.647	3.383	34.717	4.24	184	27.786	30.133	32.454	37.018	31.6	0.166	1461.1	346
375	1.442	1.423	3.631	3.348	34.723	4.25	184	27.794	30.141	32.463	37.027	31.0	0.174	1461.4	370
400	1.414	1.394	3.622	3.320	34.724	4.25	185	27.797	30.145	32.467	37.032	30.8	0.182	1461.7	395
425	1.403	1.382	3.630	3.310	34.726	4.25	185	27.799	30.147	32.469	37.034	30.6	0.189	1462.0	420
450	1.379	1.357	3.625	3.286	34.725	4.26	185	27.800	30.149	32.471	37.038	30.5	0.197	1462.3	444
475	1.367	1.343	3.632	3.274	34.727	4.26	185	27.802	30.151	32.474	37.040	30.4	0.205	1462.7	469
500	1.360	1.335	3.643	3.267	34.728	4.26	185	27.804	30.153	32.475	37.042	30.4	0.212	1463.1	494
550	1.314	1.286	3.635	3.221	34.728	4.28	186	27.808	30.158	32.481	37.049	30.1	0.227	1463.7	543
600	1.282	1.251	3.640	3.189	34.728	4.29	186	27.810	30.160	32.484	37.053	30.0	0.242	1464.4	592
650	1.240	1.206	3.636	3.147	34.728	4.31	187	27.813	30.164	32.488	37.059	29.8	0.257	1465.0	642
700	1.200	1.163	3.633	3.107	34.727	4.33	188	27.815	30.167	32.492	37.063	29.7	0.272	1465.7	691
750	1.178	1.139	3.649	3.085	34.726	4.34	189	27.816	30.168	32.494	37.066	29.7	0.287	1466.4	740
800	1.150	1.108	3.659	3.057	34.725	4.37	190	27.817	30.170	32.496	37.069	29.6	0.302	1467.1	790
850	1.104	1.060	3.651	3.010	34.724	4.40	191	27.820	30.173	32.499	37.074	29.5	0.317	1467.7	839
900	1.092	1.045	3.676	2.998	34.724	4.42	192	27.820	30.174	32.500	37.075	29.5	0.332	1468.5	888
950	1.047	0.998	3.669	2.953	34.722	4.45	193	27.822	30.176	32.504	37.080	29.4	0.346	1469.1	937
1000	1.018	0.966	3.678	2.924	34.721	4.47	194	27.823	30.178	32.506	37.083	29.3	0.361	1469.8	987
1100	0.952	0.894	3.687	2.858	34.718	4.50	196	27.826	30.182	32.511	37.090	29.1	0.390	1471.2	1085
1200	0.897	0.833	3.707	2.803	34.716	4.54	197	27.828	30.185	32.515	37.095	29.0	0.419	1472.6	1184
1300	0.843	0.773	3.728	2.749	34.714	4.58	199	27.831	30.188	32.519	37.101	28.8	0.448	1474.0	1282
1400	0.802	0.727	3.763	2.708	34.713	4.60	200	27.832	30.190	32.522	37.105	28.7	0.477	1475.5	1380
1500	0.755	0.673	3.790	2.661	34.711	4.63	201	27.834	30.193	32.525	37.111	28.5	0.505	1476.9	1479
1600	0.709	0.620	3.819	2.615	34.709	4.64	202	27.836	30.196	32.529	37.116	28.3	0.534	1478.4	1577
1700	0.672	0.577	3.857	2.578	34.708	4.67	203	27.838	30.198	32.531	37.120	28.1	0.562	1479.9	1675
1800	0.636	0.535	3.897	2.541	34.707	4.69	204	27.840	30.200	32.535	37.124	28.0	0.590	1481.4	1773
1900	0.601	0.494	3.938	2.506	34.706	4.70	204	27.841	30.203	32.538	37.128	27.8	0.618	1482.9	1871
2000	0.568	0.453	3.980	2.473	34.706	4.73	206	27.843	30.205	32.541	37.132	27.6	0.646	1484.5	1970
2100	0.528	0.406	4.014	2.433	34.705	4.76	207	27.846	30.208	32.544	37.137	27.3	0.673	1486.0	2068
2200	0.490	0.362	4.052	2.395	34.704	4.78	208	27.847	30.211	32.548	37.142	27.0	0.700	1487.5	2166
2300	0.450	0.314	4.087	2.355	34.703	4.81	209	27.850	30.214	32.551	37.147	26.7	0.727	1489.0	2264
2400	0.413	0.270	4.125	2.318	34.703	4.84	210	27.852	30.217	32.555	37.152	26.3	0.753	1490.5	2361
2500	0.384	0.234	4.172	2.289	34.703	4.85	211	27.854	30.219	32.558	37.156	26.0	0.780	1492.1	2459
2600	0.354	0.196	4.217	2.259	34.703	4.88	212	27.855	30.221	32.560	37.160	25.8	0.805	1493.6	2557
2700	0.325	0.159	4.263	2.230	34.702	4.90	213	27.857	30.224	32.563	37.164	25.5	0.831	1495.2	2655
2800	0.304	0.131	4.318	2.209	34.703	4.92	214	27.859	30.226	32.566	37.167	25.2	0.856	1496.8	2753
2900	0.279	0.098	4.367	2.184	34.702	4.94	214	27.861	30.228	32.569	37.171	25.0	0.882	1498.4	2850
3000	0.242	0.053	4.406	2.147	34.700	4.98	216	27.862	30.230	32.571	37.174	24.7	0.906	1500.0	2948
3200	0.200	-0.006	4.514	2.105	34.701	5.08	221	27.865	30.234	32.576	37.181	24.1	0.955	1503.2	3143
3400	0.153	-0.069	4.619	2.058	34.700	5.13	223	27.868	30.238	32.581	37.188	23.5	1.003	1506.4	3338
3600	0.117	-0.124	4.733	2.022	34.699	5.21	226	27.870	30.240	32.584	37.193	23.1	1.049	1509.7	3533
3800	0.112	-0.148	4.878	2.017	34.699	5.25	228	27.871	30.242	32.587	37.196	23.0	1.095	1513.1	3727
4000	0.117	-0.162	5.035	2.022	34.700	5.30	230	27.873	30.244	32.588	37.198	23.0	1.141	1516.6	3922
4135	0.131	-0.163	5.150	2.036	34.701	5.31	231	27.873	30.244	32.589	37.199	23.1	1.172	1519.0	4053

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM
NP9405	88U	94/10/08	02:37	-70.135	-156.484	4070	15	992	291	6	-10.8
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11</

Latitude 70 08 S  
Longitude 156 33 W

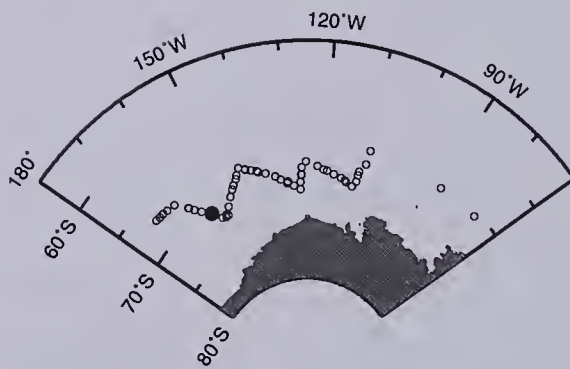
Salinity

NP9405 088

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11  
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5  
Potential Temperature (°C)

SHCRUS NP9405	STNM 89D	YR/MO/DA 94/10/08	GTIME 13:22	LATITUDE -69.909	LONGITUDE -157.346	DPTH	HT	BARO 974	WND 301	WNS 11	AIRTM -1.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.829	-1.829	0.050	0.045	34.161	6.71	292	27.500	29.899	32.272	36.936	57.4	0.003	1439.5	5
10	-1.828	-1.828	0.054	0.046	34.161	6.71	292	27.500	29.899	32.272	36.936	57.4	0.006	1439.6	9
20	-1.831	-1.832	0.058	0.043	34.162	6.71	292	27.500	29.900	32.272	36.937	57.3	0.011	1439.7	19
30	-1.831	-1.831	0.066	0.043	34.162	6.71	292	27.500	29.900	32.272	36.937	57.2	0.017	1439.9	29
40	-1.830	-1.831	0.074	0.044	34.162	6.72	292	27.500	29.900	32.272	36.937	57.1	0.023	1440.1	39
50	-1.830	-1.831	0.082	0.044	34.162	6.72	292	27.500	29.900	32.272	36.937	57.0	0.029	1440.2	49
60	-1.827	-1.829	0.092	0.047	34.163	6.72	292	27.501	29.900	32.273	36.937	56.9	0.034	1440.4	59
70	-1.824	-1.825	0.103	0.050	34.163	6.72	292	27.502	29.901	32.273	36.938	56.8	0.040	1440.6	69
80	-1.812	-1.814	0.123	0.062	34.165	6.71	292	27.502	29.901	32.274	36.938	56.7	0.046	1440.8	79
90	-1.805	-1.806	0.137	0.069	34.165	6.70	291	27.503	29.902	32.274	36.937	56.6	0.051	1441.0	89
100	-1.803	-1.805	0.147	0.071	34.166	6.64	289	27.503	29.902	32.274	36.938	56.5	0.057	1441.2	98
125	-1.371	-1.374	0.600	0.506	34.212	6.24	271	27.528	29.920	32.285	36.935	54.1	0.071	1443.7	123
150	-1.069	-1.073	0.924	0.811	34.264	5.80	252	27.559	29.946	32.306	36.947	51.2	0.084	1445.6	148
175	-0.391	-0.396	1.627	1.494	34.355	5.28	230	27.605	29.981	32.331	36.950	47.1	0.096	1449.3	173
200	0.292	0.284	2.334	2.184	34.464	4.89	213	27.658	30.024	32.363	36.961	42.5	0.108	1453.0	197
225	0.641	0.631	2.706	2.537	34.536	4.60	200	27.696	30.056	32.390	36.978	39.1	0.118	1455.1	222
250	1.014	1.002	3.101	2.913	34.605	4.37	190	27.728	30.083	32.410	36.987	36.4	0.127	1457.3	247
275	1.418	1.404	3.529	3.322	34.678	4.29	186	27.758	30.107	32.429	36.994	33.9	0.136	1459.6	271
300	1.361	1.347	3.492	3.266	34.694	4.25	185	27.776	30.125	32.447	37.014	32.3	0.144	1459.8	296
325	1.441	1.425	3.592	3.347	34.714	4.23	184	27.786	30.134	32.455	37.020	31.5	0.152	1460.6	321
350	1.434	1.416	3.604	3.340	34.719	4.24	184	27.791	30.139	32.461	37.025	31.1	0.160	1460.9	346
375	1.452	1.433	3.641	3.359	34.726	4.23	184	27.795	30.143	32.464	37.028	30.8	0.168	1461.4	370
400	1.419	1.399	3.627	3.326	34.726	4.24	184	27.798	30.146	32.468	37.033	30.6	0.175	1461.7	395
425	1.390	1.368	3.616	3.297	34.726	4.24	184	27.800	30.149	32.471	37.037	30.5	0.183	1462.0	420
450	1.376	1.353	3.622	3.283	34.727	4.25	185	27.802	30.151	32.473	37.039	30.4	0.191	1462.3	444
475	1.357	1.333	3.622	3.264	34.728	4.25	185	27.804	30.153	32.476	37.043	30.2	0.198	1462.7	469
500	1.332	1.307	3.616	3.239	34.728	4.26	185	27.806	30.155	32.479	37.046	30.1	0.206	1463.0	494
550	1.302	1.274	3.623	3.209	34.729	4.27	185	27.809	30.159	32.482	37.051	30.0	0.221	1463.7	543
600	1.272	1.241	3.631	3.179	34.728	4.28	186	27.811	30.161	32.485	37.054	29.9	0.236	1464.3	592
650	1.232	1.198	3.628	3.139	34.727	4.33	188	27.813	30.164	32.489	37.059	29.8	0.251	1465.0	642
700	1.194	1.158	3.627	3.101	34.726	4.38	190	27.815	30.166	32.492	37.063	29.7	0.266	1465.6	691
750	1.158	1.119	3.629	3.065	34.725	4.41	192	27.817	30.169	32.495	37.067	29.6	0.280	1466.3	740
800	1.121	1.080	3.630	3.027	34.724	4.45	193	27.818	30.171	32.497	37.071	29.5	0.295	1467.0	790
850	1.087	1.043	3.633	2.993	34.723	4.47	194	27.820	30.173	32.500	37.075	29.4	0.310	1467.6	839
900	1.065	1.018	3.649	2.971	34.723	4.47	194	27.822	30.175	32.502	37.078	29.3	0.325	1468.4	888
950	1.039	0.989	3.660	2.945	34.722	4.50	195	27.823	30.177	32.505	37.081	29.3	0.339	1469.1	937
1000	1.000	0.948	3.660	2.906	34.721	4.52	196	27.824	30.179	32.507	37.085	29.2	0.354	1469.7	987

SHCRUS NP9405	STNM 89U	YR/MO/DA 94/10/08	GTIME 14:21	LATITUDE -69.909	LONGITUDE -157.329	DPTH	HT	BARO 974	WND 301	WNS 11	AIRTM -1.4				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	pss	pss	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
5	-1.831	34.161	34.161	6.70	292	61.1	1.99	28.6	2198	499				17	5
20	-1.832	34.161	34.161	6.71	292				2198	498				15	20
50	-1.830	34.162	34.162		292	59.8	2.03	28.6	2198	498				13	49
101	-1.754	34.170		6.65	287	60.4	2.02	28.6	2201	504				11	100
280	1.351	34.684		4.31	186	94.6	2.23	32.0	2254	599				9	277
350	1.428	34.719	34.718	4.26	184	99.9	2.23	32.0	2256	598				7	347
600	1.270	34.728	34.730	4.29	186	110.7	2.27	32.3	2260	594				5	593
800	1.124	34.724	34.723	4.43	193	113.4	2.23	32.0	2259	577				3	790
999	0.998	34.721	34.720	4.48	196	118.6	2.28	31.9	2260	582				1	987

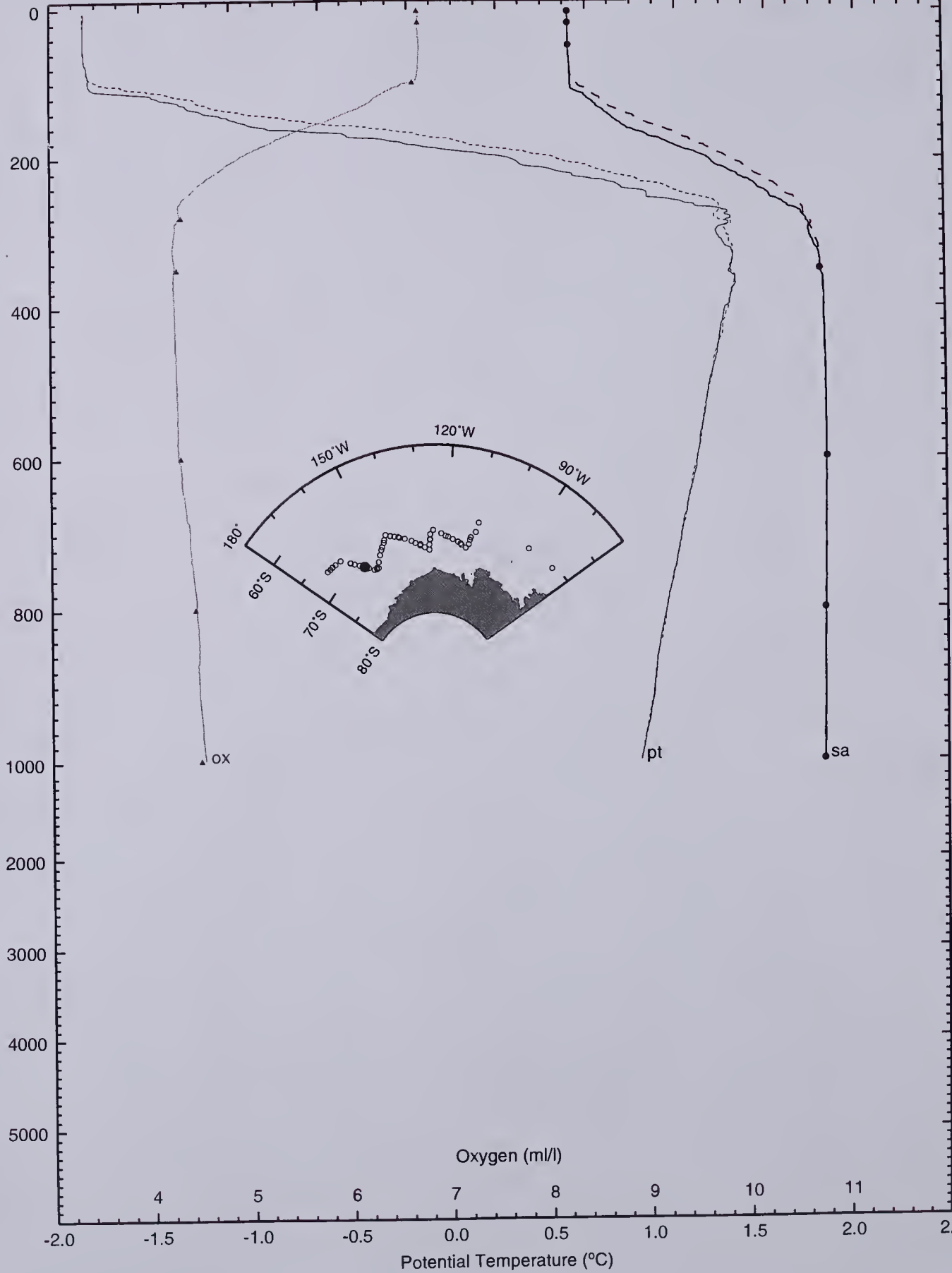
SHCRUS NP9405	STNM 89U	YR/MO/DA 94/10/08	GTIME 14:21	LATITUDE -69.909	LONGITUDE -157.329	DPTH	HT	BARO 974	WND 301	WNS 11	AIRTM -1.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.831	-1.831	0.047	0.043	34.161	6.72	292	27.500	29.899	32.272	36.936	57.4	0.003	1439.5	4
10	-1.832	-1.832	0.050	0.042	34.161	6.71	292	27.500	29.899	32.272	36.937	57.3	0.006	1439.6	9
20	-1.832	-1.832	0.057	0.042	34.161	6.71	292	27.500	29.899	32.272	36.936	57.3	0.011	1439.7	19
30	-1.831	-1.831	0.066	0.043	34.161	6.71	292	27.500	29.900	32.272	36.936	57.2	0.017	1439.9	29
40	-1.830	-1.831	0.075	0.044	34.162	6.72	292	27.500	29.900	32.272	36.937	57.1	0.023	1440.1	39
50	-1.829	-1.830	0.083	0.045	34.162	6.72	292	27.500	29.900	32.272	36.937	57.1	0.029	1440.2	49
60	-1.828	-1.829	0.092	0.046	34.162	6.72	292	27.500	29.900	32.272	36.937	57.0	0.034	1440.4	59
70	-1.825	-1.826	0.102	0.049	34.163	6.72	292	27.502	29.901	32.273	36.938	56.8	0.040	1440.6	69
80	-1.810	-1.812	0.124	0.064	34.165	6.71	292	27.503	29.902	32.274	36.938	56.6	0.046	1440.8	79
90	-1.807	-1.808	0.135	0.068	34.167	6.70	291	27.504	29.903	32.275	36.939	56.5	0.051	1441.0	89
100	-1.738	-1.740	0.213	0.137	34.174	6.64	289	27.508	29.906	32.277	36.938	56.0	0.057	1441.5	98
125	-1.268	-1.271	0.705	0.611	34.238	6.24	271	27.546	29.936	32.299	36.946	52.5	0.071	1444.2	123
150	-0.759	-0.764	1.237	1.123	34.319	5.80	252	27.592	29.974	32.329	36.960	48.2	0.083	1447.1	148
175	-0.013	-0.019	2.008	1.876	34.423	5.28	230	27.642	30.012	32.355	36.963	43.9	0.095	1451.2	173
200	0.533	0.525	2.578	2.427	34.511	4.89	213	27.682	30.044	32.379	36.970	40.4	0.105	1454.2	197
225	0.875	0.864	2.942	2.772	34.582	4.60	200	27.718	30.075	32.405	36.986	37.2	0.115	1456.2	222
250	1.200	1.188	3.290	3.102	34.643	4.37	190	27.746	30.098	32.423	36.994	34.8	0.124	1458.2	247
275	1.369	1.355	3.480	3.273	34.682	4.29	186	27.766	30.115	32.437	37.004	33.2	0.132	1459.4	271
300	1.412	1.397	3.543	3.317	34.703	4.25	185	27.779	30.128	32.449	37.015	32.0	0.140	1460.0	296
325	1.448	1.432	3.599	3.354	34.717	4.23	184	27.788	30.136	32.457	37.021	31.3	0.148	1460.6	321
350	1.431	1.413	3.601	3.337	34.719	4.24	184	27.791	30.139	32.461	37.026	31.1	0.156	1460.9	346
375	1.449	1.430	3.638	3.356	34.725	4.23	184	27.795	30.142	32.464	37.028	30.9	0.164	1461.4	370
400	1.429	1.408	3.636	3.336	34.726	4.24	184	27.797	30.145	3					

Latitude 69 55 S  
Longitude 157 21 W

NP9405 089

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

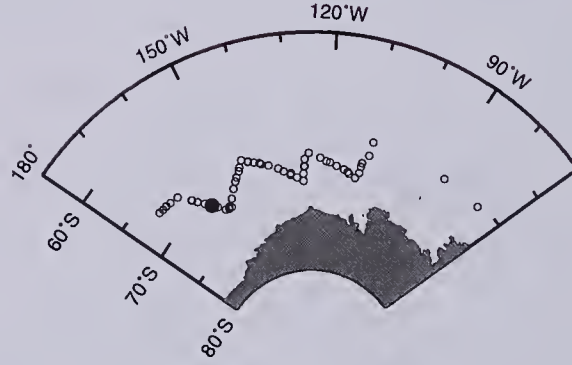


Potential Temperature (°C)

Oxygen (ml/l)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa



SHCRUS NP9405	STNM 90D	YR/MO/DA 94/10/08	GTIME 23:14	LATITUDE -69.358	LONGITUDE -159.001	DPTH 4080	HT	BARO 978	WND 234	WNS 13	AIRTM -3.0				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
5	-1.810	-1.811	0.070	0.067	34.201	6.57	286	27.532	29.931	32.303	36.966	54.3	0.003	1439.6	4
10	-1.810	-1.810	0.074	0.066	34.200	6.57	286	27.531	29.930	32.302	36.965	54.4	0.005	1439.7	9
20	-1.809	-1.810	0.082	0.067	34.201	6.57	285	27.531	29.930	32.302	36.966	54.3	0.011	1439.9	19
30	-1.800	-1.801	0.099	0.077	34.201	6.56	285	27.532	29.930	32.302	36.965	54.2	0.016	1440.1	29
40	-1.792	-1.793	0.115	0.085	34.202	6.55	285	27.532	29.931	32.302	36.965	54.1	0.022	1440.3	39
50	-1.794	-1.795	0.120	0.083	34.202	6.54	284	27.532	29.931	32.303	36.966	54.0	0.027	1440.5	49
60	-1.788	-1.789	0.134	0.089	34.203	6.52	283	27.532	29.931	32.303	36.966	53.9	0.033	1440.6	59
70	-1.801	-1.803	0.128	0.076	34.202	6.49	282	27.532	29.931	32.303	36.966	53.9	0.038	1440.7	69
80	-1.774	-1.776	0.163	0.103	34.204	6.42	279	27.533	29.932	32.303	36.965	53.8	0.043	1441.0	79
90	-1.602	-1.604	0.343	0.276	34.223	6.35	276	27.544	29.939	32.308	36.965	52.8	0.049	1442.0	89
100	-1.475	-1.477	0.479	0.404	34.239	6.26	272	27.553	29.946	32.313	36.966	51.9	0.054	1442.8	98
125	-1.097	-1.100	0.879	0.784	34.285	5.87	255	27.577	29.965	32.325	36.966	49.6	0.067	1445.1	123
150	-0.618	-0.622	1.381	1.267	34.355	5.47	238	27.616	29.995	32.348	36.974	46.1	0.078	1447.9	148
175	-0.184	-0.190	1.837	1.705	34.422	5.12	222	27.649	30.022	32.368	36.981	43.0	0.090	1450.4	173
200	0.203	0.195	2.246	2.096	34.486	4.72	205	27.681	30.048	32.388	36.989	40.2	0.100	1452.6	197
225	0.699	0.689	2.765	2.596	34.566	4.42	192	27.717	30.076	32.409	36.995	37.2	0.110	1455.4	222
250	0.991	0.980	3.080	2.892	34.626	4.30	187	27.746	30.101	32.429	37.006	34.7	0.119	1457.2	247
275	1.302	1.289	3.414	3.207	34.688	4.24	184	27.775	30.125	32.449	37.017	32.2	0.127	1459.1	271
300	1.406	1.391	3.538	3.312	34.715	4.19	182	27.789	30.138	32.460	37.025	31.1	0.135	1460.0	296
325	1.413	1.397	3.564	3.319	34.721	4.19	182	27.794	30.142	32.464	37.029	30.7	0.143	1460.4	321
350	1.398	1.380	3.568	3.305	34.726	4.20	182	27.799	30.147	32.469	37.035	30.3	0.150	1460.8	346
375	1.371	1.352	3.560	3.278	34.726	4.21	183	27.801	30.150	32.472	37.038	30.2	0.158	1461.1	370
400	1.363	1.343	3.571	3.270	34.727	4.21	183	27.802	30.151	32.474	37.041	30.1	0.165	1461.5	395
425	1.345	1.323	3.572	3.252	34.727	4.22	183	27.804	30.153	32.476	37.043	30.1	0.173	1461.8	420
450	1.327	1.304	3.572	3.234	34.727	4.24	184	27.805	30.155	32.478	37.046	30.0	0.180	1462.1	444
475	1.309	1.285	3.573	3.216	34.728	4.25	185	27.807	30.157	32.480	37.048	29.9	0.188	1462.4	469
500	1.290	1.264	3.573	3.197	34.727	4.27	185	27.808	30.158	32.482	37.051	29.8	0.195	1462.8	494
550	1.247	1.219	3.567	3.154	34.727	4.29	186	27.811	30.162	32.486	37.056	29.7	0.210	1463.4	543
600	1.209	1.179	3.567	3.116	34.726	4.31	187	27.814	30.165	32.490	37.061	29.6	0.225	1464.1	592
650	1.170	1.137	3.566	3.077	34.726	4.32	188	27.816	30.168	32.493	37.066	29.4	0.240	1464.7	642
700	1.137	1.101	3.571	3.044	34.725	4.32	188	27.818	30.170	32.496	37.069	29.3	0.254	1465.4	691
750	1.118	1.079	3.589	3.025	34.725	4.35	189	27.819	30.172	32.498	37.072	29.3	0.269	1466.1	740
800	1.080	1.039	3.589	2.986	34.724	4.38	190	27.821	30.174	32.501	37.076	29.2	0.284	1466.8	790
850	1.052	1.008	3.598	2.958	34.723	4.41	192	27.822	30.176	32.503	37.079	29.1	0.298	1467.5	839
900	1.018	0.971	3.602	2.924	34.721	4.44	193	27.823	30.178	32.506	37.083	29.1	0.313	1468.1	888
950	0.992	0.943	3.614	2.898	34.721	4.47	194	27.825	30.179	32.508	37.086	29.0	0.327	1468.9	938
1000	0.961	0.908	3.620	2.867	34.719	4.50	196	27.826	30.181	32.510	37.089	28.9	0.342	1469.5	987
1017	0.951	0.898	3.623	2.857	34.719	4.51	196	27.826	30.182	32.511	37.090	28.9	0.347	1469.8	1004

SHCRUS NP9405	STNM 90U	YR/MO/DA 94/10/08	GTIME 23:58	LATITUDE -69.350	LONGITUDE -158.991	DPTH 4080	HT	BARO 978	WND 234	WNS 13	AIRTM -3.0				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
10	-1.807	-1.808	0.077	0.069	34.201	6.57	286	27.531	29.930	32.302	36.966	54.4	0.005	1439.7	9
20	-1.804	-1.805	0.087	0.073	34.201	6.57	285	27.532	29.931	32.302	36.966	54.3	0.011	1439.9	19
30	-1.802	-1.803	0.097	0.075	34.201	6.56	285	27.532	29.931	32.302	36.966	54.2	0.016	1440.1	29
40	-1.800	-1.800	0.107	0.077	34.202	6.55	285	27.532	29.931	32.303	36.966	54.1	0.022	1440.3	39
50	-1.795	-1.796	0.119	0.082	34.203	6.54	284	27.533	29.931	32.303	36.966	54.0	0.027	1440.4	49
60	-1.781	-1.782	0.141	0.096	34.206	6.52	283	27.535	29.933	32.305	36.967	53.8	0.032	1440.7	59
70	-1.755	-1.757	0.174	0.122	34.209	6.49	282	27.537	29.935	32.306	36.968	53.5	0.038	1441.0	69
80	-1.644	-1.645	0.294	0.234	34.223	6.42	279	27.545	29.942	32.311	36.969	52.6	0.043	1441.7	79
90	-1.513	-1.515	0.433	0.366	34.239	6.35	276	27.554	29.949	32.316	36.970	51.8	0.048	1442.5	89
100	-1.397	-1.399	0.558	0.483	34.255	6.26	272	27.563	29.955	32.321	36.971	50.9	0.054	1443.2	98
125	-0.821	-0.825	1.157	1.063	34.332	5.87	255	27.605	29.988	32.344	36.977	47.0	0.066	1446.5	123
150	-0.336	-0.341	1.665	1.552	34.406	5.47	238	27.644	30.019	32.367	36.985	43.5	0.077	1449.2	148
175	0.109	0.103	2.133	2.001	34.478	5.12	222	27.679	30.047	32.389	36.993	40.4	0.088	1451.8	173
200	0.611	0.603	2.659	2.508	34.559	4.72	205	27.716	30.077	32.410	36.999	37.2	0.097	1454.6	197
225	1.028	1.018	3.099	2.930	34.638	4.42	192	27.753	30.107	32.434	37.011	34.0	0.106	1457.0	222
250	1.238	1.226	3.330	3.142	34.676	4.30	187	27.770	30.121	32.445	37.015	32.6	0.114	1458.4	247
275	1.363	1.349	3.475	3.268	34.705	4.24	184	27.785	30.134	32.456	37.023	31.4	0.122	1459.4	271
300	1.416	1.401	3.548	3.322	34.721	4.19	182	27.793	30.142	32.463	37.028	30.7	0.130	1460.0	296
325	1.412	1.395	3.563	3.318	34.723	4.19	182	27.796	30.144	32.466	37.031	30.6	0.138	1460.4	321
350	1.400	1.383	3.570	3.307	34.725	4.20	182	27.798	30.146	32.468	37.034	30.4	0.145	1460.8	346
375	1.381	1.362	3.570	3.288	34.725	4.21	183	27.800	30.149	32.471	37.037	30.3	0.153	1461.1	370
400	1.362	1.342	3.570	3.269	34.726	4.21	183	27.802	30.151	32.473	37.040	30.2	0.161	1461.5	395
425	1.348	1.327	3.575	3.255	34.727	4.22	183	27.803	30.153	32.475	37.042	30.1	0.168	1461.8	420
450	1.325	1.303	3.571	3.233	34.726	4.24	184	27.805	30.154	32.477	37.045	30.1	0.176	1462.1	444
475	1.307	1.283	3.571	3.214	34.727	4.25	185	27.806	30.156	32.480	37.048	29.9	0.183	1462.4	469
500	1.291	1.266	3.574	3.198	34.727	4.27	185	27.808	30.158	32.481	37.050	29.9	0.191	1462.8	494
550	1.247	1.220	3.568	3.154	34.727	4.29	186	27.811	30.162	32.486	37.056	29.7	0.206	1463.4	543
600	1.203	1.173	3.562	3.110	34.726	4.31	187	27.814	30.165	32.490	37.061	29.5	0.220	1464.0	592
650	1.172	1.139	3.568	3.079	34.726	4.32	188	27.816	30.167	32.493	37.065	29.4	0.235	1464.7	642
700	1.151	1.115	3.585	3.058	34.725	4.32	188	27.817	30.169	32.495	37.068	29.4	0.250	1465.4	691
750	1.116	1.077	3.587	3.022	34.724	4.35	189	27.819	30.172	32.498	37.072	29.3	0.265	1466.1	740
800	1.086	1.044	3.594	2.992	34.724	4.38	190	27.820	30.174	32.500	37.075	29.3	0.279	1466.8	790
850	1.053	1.009	3.599	2.959	34.722	4.41	192	27.822	30.175	32.503	37.079	29.2	0.294	1467.5	839
900	1.023	0.976	3.607	2.929	34.721	4.44	193	27.823	30.177	32.505					

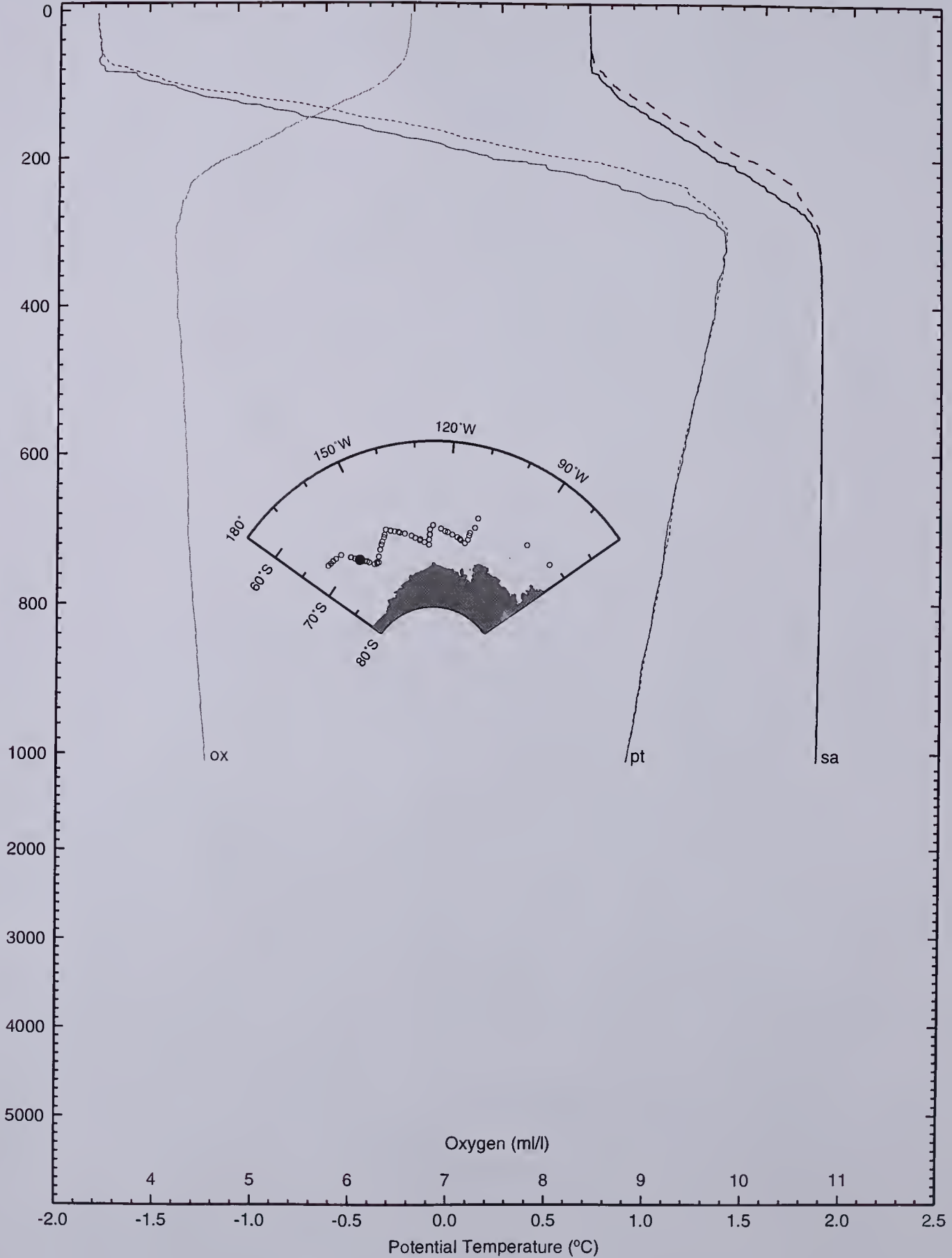
Latitude 69 21 S  
Longitude 159 00 W

Salinity

NP9405 090

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NF9405	STNM 91D	YR/MO/DA 94/10/09	GTIME 00:02	LATITUDE -69.349	LONGITUDE -158.990	DPTH 4080	HT	BARO 978	WIND 234	WNS 13	AIRTM -3.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.808	-1.808	0.076	0.069	34.201	6.49	282	27.532	29.931	32.303	36.966	54.3	0.005	1439.7	9
20	-1.806	-1.806	0.086	0.071	34.202	6.48	282	27.532	29.931	32.303	36.967	54.2	0.011	1439.9	19
30	-1.805	-1.805	0.095	0.072	34.202	6.48	281	27.532	29.931	32.303	36.967	54.1	0.016	1440.1	29
40	-1.800	-1.801	0.107	0.077	34.203	6.47	281	27.533	29.932	32.304	36.967	54.0	0.022	1440.3	39
50	-1.796	-1.797	0.118	0.081	34.203	6.46	281	27.533	29.932	32.304	36.967	53.9	0.027	1440.4	49
60	-1.790	-1.791	0.132	0.087	34.204	6.44	280	27.534	29.933	32.304	36.967	53.8	0.032	1440.6	59
70	-1.784	-1.785	0.146	0.093	34.205	6.42	279	27.535	29.933	32.305	36.967	53.7	0.038	1440.8	69
80	-1.719	-1.721	0.218	0.158	34.213	6.38	277	27.539	29.936	32.307	36.967	53.3	0.043	1441.3	79
90	-1.536	-1.538	0.410	0.342	34.231	6.27	273	27.549	29.943	32.311	36.965	52.3	0.048	1442.4	89
100	-1.427	-1.429	0.527	0.452	34.245	6.10	265	27.557	29.949	32.315	36.967	51.5	0.054	1443.1	98
125	-0.927	-0.931	1.050	0.956	34.311	5.78	251	27.592	29.977	32.335	36.971	48.2	0.066	1445.9	123
150	-0.299	-0.304	1.702	1.589	34.405	5.31	231	27.641	30.016	32.363	36.980	43.8	0.078	1449.4	148
175	0.051	0.044	2.074	1.942	34.463	4.94	215	27.670	30.040	32.382	36.988	41.2	0.088	1451.5	173
200	0.489	0.481	2.535	2.384	34.531	4.59	200	27.701	30.063	32.399	36.992	38.5	0.098	1454.0	197
225	1.010	0.999	3.080	2.910	34.630	4.39	191	27.748	30.102	32.430	37.007	34.5	0.107	1456.9	222
250	1.226	1.214	3.317	3.130	34.673	4.25	185	27.768	30.119	32.444	37.014	32.8	0.116	1458.3	247
275	1.381	1.367	3.493	3.287	34.708	4.21	183	27.785	30.134	32.456	37.022	31.4	0.124	1459.5	271
300	1.419	1.404	3.551	3.325	34.720	4.19	182	27.793	30.141	32.462	37.027	30.8	0.131	1460.1	296
325	1.416	1.400	3.568	3.323	34.725	4.21	183	27.797	30.145	32.466	37.031	30.5	0.139	1460.5	321
350	1.387	1.369	3.557	3.294	34.725	4.21	183	27.799	30.148	32.470	37.036	30.3	0.147	1460.7	346
375	1.374	1.355	3.563	3.281	34.725	4.24	184	27.800	30.149	32.471	37.038	30.3	0.154	1461.1	370
400	1.349	1.329	3.557	3.256	34.726	4.24	184	27.803	30.152	32.475	37.042	30.1	0.162	1461.4	395
425	1.331	1.310	3.558	3.238	34.727	4.24	184	27.805	30.154	32.477	37.045	30.0	0.169	1461.7	420
450	1.315	1.292	3.560	3.222	34.727	4.24	184	27.806	30.156	32.479	37.047	29.9	0.177	1462.1	444
475	1.308	1.284	3.572	3.215	34.727	4.24	184	27.807	30.157	32.480	37.048	29.9	0.184	1462.4	469
500	1.287	1.262	3.570	3.194	34.728	4.24	184	27.809	30.159	32.483	37.051	29.8	0.192	1462.8	494
550	1.253	1.225	3.574	3.160	34.728	4.25	185	27.811	30.162	32.486	37.056	29.7	0.207	1463.4	543
600	1.215	1.185	3.573	3.122	34.727	4.25	185	27.814	30.165	32.490	37.061	29.5	0.221	1464.1	592
650	1.184	1.151	3.580	3.091	34.727	4.28	186	27.816	30.168	32.493	37.065	29.4	0.236	1464.8	642
700	1.152	1.116	3.586	3.059	34.726	4.31	187	27.818	30.170	32.496	37.069	29.3	0.251	1465.4	691
750	1.117	1.079	3.589	3.024	34.725	4.34	189	27.820	30.172	32.499	37.073	29.2	0.265	1466.1	740
800	1.084	1.043	3.593	2.990	34.724	4.38	190	27.821	30.174	32.501	37.076	29.2	0.280	1466.8	790
850	1.052	1.008	3.598	2.958	34.723	4.41	192	27.822	30.176	32.503	37.079	29.1	0.295	1467.5	839
900	1.024	0.978	3.608	2.930	34.722	4.44	193	27.823	30.178	32.505	37.082	29.1	0.309	1468.2	888
950	0.998	0.948	3.619	2.904	34.721	4.47	194	27.825	30.179	32.507	37.085	29.0	0.324	1468.9	938
1000	0.968	0.916	3.627	2.874	34.720	4.50	195	27.826	30.181	32.510	37.088	28.9	0.338	1469.6	987
1001	0.967	0.915	3.627	2.873	34.720	4.50	195	27.826	30.181	32.510	37.088	29.0	0.338	1469.6	988

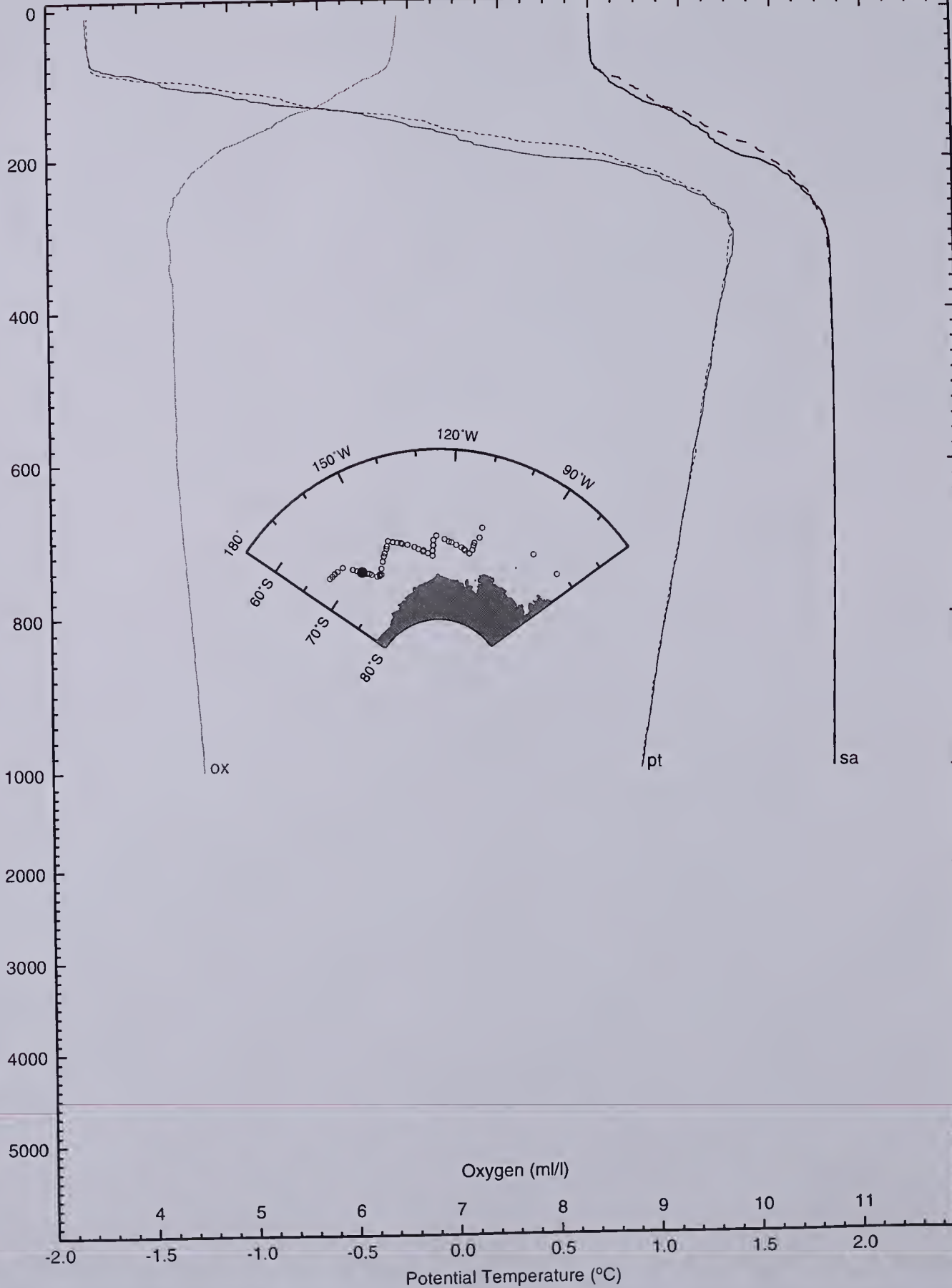
SHCRUS NF9405	STNM 91U	YR/MO/DA 94/10/09	GTIME 00:41	LATITUDE -69.341	LONGITUDE -158.982	DPTH 4080	HT	BARO 978	WIND 234	WNS 13	AIRTM -3.0				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
10	-1.797	-1.797	0.088	0.080	34.202	6.49	282	27.532	29.931	32.302	36.966	54.3	0.005	1439.8	9
20	-1.798	-1.798	0.094	0.079	34.202	6.48	282	27.532	29.930	32.302	36.965	54.3	0.011	1439.9	19
30	-1.796	-1.796	0.103	0.081	34.202	6.48	281	27.532	29.931	32.303	36.966	54.2	0.016	1440.1	29
40	-1.794	-1.795	0.113	0.083	34.202	6.47	281	27.532	29.931	32.303	36.966	54.1	0.022	1440.3	39
50	-1.795	-1.796	0.119	0.082	34.202	6.46	281	27.532	29.931	32.303	36.966	54.0	0.027	1440.4	49
60	-1.789	-1.790	0.133	0.088	34.204	6.44	280	27.533	29.932	32.304	36.966	53.9	0.032	1440.6	59
70	-1.780	-1.781	0.149	0.097	34.205	6.42	279	27.535	29.933	32.304	36.967	53.7	0.038	1440.8	69
80	-1.768	-1.769	0.169	0.109	34.209	6.38	277	27.538	29.936	32.307	36.969	53.4	0.043	1441.1	79
90	-1.603	-1.605	0.343	0.274	34.232	6.27	273	27.551	29.946	32.315	36.972	52.1	0.049	1442.1	89
100	-1.244	-1.247	0.712	0.637	34.274	6.10	265	27.574	29.964	32.327	36.972	49.9	0.054	1444.0	98
125	-0.785	-0.789	1.193	1.099	34.337	5.78	251	27.607	29.990	32.345	36.976	46.9	0.066	1446.6	123
150	-0.175	-0.181	1.827	1.714	34.431	5.31	231	27.656	30.029	32.375	36.987	42.4	0.077	1450.0	148
175	0.285	0.278	2.311	2.179	34.505	4.94	215	27.692	30.057	32.396	36.995	39.3	0.087	1452.6	173
200	0.803	0.794	2.852	2.702	34.589	4.59	200	27.728	30.086	32.417	37.000	36.1	0.096	1455.5	197
225	1.069	1.058	3.140	2.971	34.643	4.39	191	27.755	30.108	32.435	37.010	33.9	0.105	1457.2	222
250	1.261	1.249	3.353	3.165	34.680	4.25	185	27.771	30.122	32.446	37.016	32.5	0.113	1458.5	247
275	1.357	1.344	3.470	3.263	34.702	4.21	183	27.782	30.131	32.454	37.021	31.6	0.121	1459.4	271
300	1.413	1.398	3.545	3.319	34.718	4.19	182	27.791	30.140	32.462	37.027	30.9	0.129	1460.0	296
325	1.394	1.378	3.546	3.300	34.722	4.21	183	27.796	30.144	32.466	37.032	30.6	0.137	1460.4	321
350	1.392	1.375	3.562	3.298	34.724	4.21	183	27.798	30.147	32.469	37.034	30.4	0.145	1460.8	346
375	1.365	1.347	3.554	3.271	34.724	4.24	184	27.800	30.149	32.472	37.038	30.3	0.152	1461.1	370
400	1.349	1.329	3.557	3.256	34.725	4.24	184	27.802	30.151	32.474	37.041	30.2	0.160	1461.4	395
425	1.335	1.314	3.562	3.242	34.726	4.24	184	27.804	30.153	32.476	37.044	30.1	0.167	1461.7	420
450	1.321	1.298	3.566	3.228	34.727	4.24	184	27.805	30.155	32.478	37.046	30.0	0.175	1462.1	444
475	1.299	1.275	3.563	3.206	34.727	4.24	184	27.807	30.157	32.481	37.049	29.9	0.182	1462.4	469
500	1.280	1.254	3.563	3.187	34.727	4.24	184	27.809	30.159	32.483	37.052	29.8	0.190	1462.7	494
550	1.252	1.225	3.573	3.159	34.727	4.25	185	27.811	30.162	32.486	37.056	29.7	0.205	1463.4	543
600	1.222	1.192	3.581	3.130	34.727	4.25	185	27.813	30.164	32.489	37.060	29.6	0.219	1464.1	592
650	1.184	1.151	3.580	3.091	34.727	4.28	186	27.816	30.167	32.493	37.064	29.5	0.234	1464.8	642
700	1.150	1.114	3.584	3.057	34.726	4.31	187	27.817	30.169	32.495	37.068	29.4	0.249	1465.4	691
750	1.115	1.077	3.586	3.021	34.725	4.34	189	27.819	30.172	32.498	37.072	29.3	0.264	1466.1	740
800	1.080	1.039	3.589	2.986	34.724	4.38	190	27.821	30.174	32.501	37.076	29.2	0.278	1466.8	790
850	1.047	1.003	3.593	2.953	34.722	4.41	192	27.822	30.176	32.503	37.				

Latitude 69 21 S  
Longitude 158 59 W

NP9405 091

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

Table with columns: SHCRUS NP9405, STNM 92D, YR/MO/DA 94/10/09, GTIME 00:44, LATITUDE -69.341, LONGITUDE -158.982, DPTH 4080, HT, BARO 978, WND 234, WNS 13, AIRTM -3.0. Rows include parameters like PRES, TEMPCTD, POTEMP, TE>FRZ, TE>FRS, SALCTD, OXYUP, SIGMA-0, SIGMA.5, SIGMA-1, SIGMA-2, ANOM, GEOPT, SVELOC, DPTH.

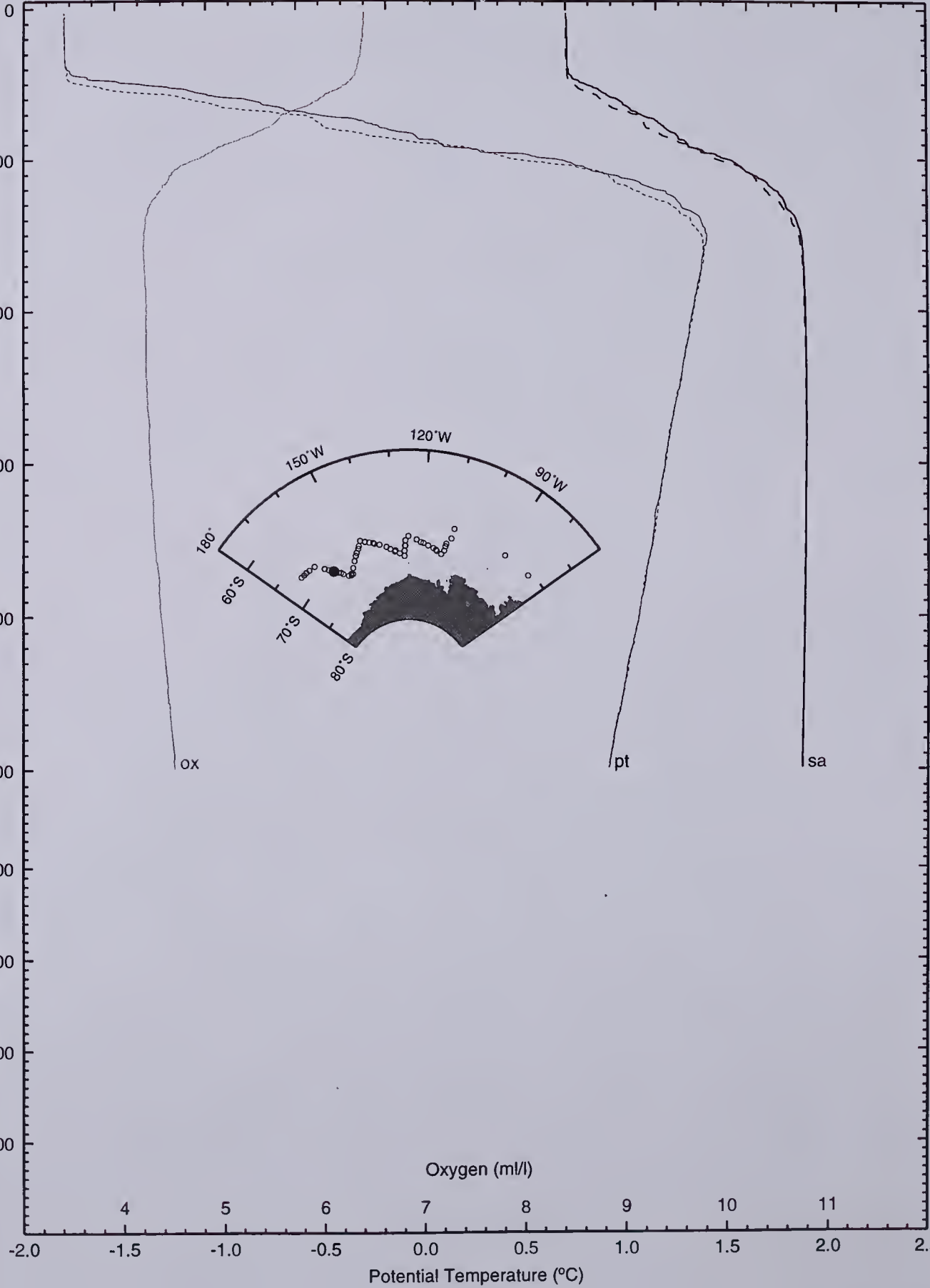
Table with columns: SHCRUS NP9405, STNM 92U, YR/MO/DA 94/10/09, GTIME 01:30, LATITUDE -69.331, LONGITUDE -158.974, DPTH 4080, HT, BARO 978, WND 234, WNS 13, AIRTM -3.0. Rows include parameters like PRES, TEMPCTD, POTEMP, TE>FRZ, TE>FRS, SALCTD, OXYUP, SIGMA-0, SIGMA.5, SIGMA-1, SIGMA-2, ANOM, GEOPT, SVELOC, DPTH.

Latitude 69 20 S  
Longitude 158 59 W

Salinity

NP9405 092

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM								
NP9405	93D	94/10/09	01:32	-69.331	-158.974	4080		984	226	9	-7.0								
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH				
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m				
6	-1.801	-1.801	0.080	0.076	34.201	6.40	278	27.531	29.930	32.302	36.965	54.4	0.003	1439.7	5				
10	-1.801	-1.801	0.083	0.076	34.202	6.40	278	27.532	29.931	32.303	36.966	54.3	0.005	1439.8	9				
20	-1.800	-1.801	0.091	0.077	34.202	6.42	279	27.532	29.931	32.303	36.966	54.2	0.011	1439.9	19				
30	-1.800	-1.801	0.099	0.077	34.202	6.40	278	27.532	29.931	32.303	36.966	54.2	0.016	1440.1	29				
40	-1.799	-1.800	0.108	0.078	34.202	6.39	278	27.532	29.931	32.303	36.966	54.1	0.022	1440.3	39				
50	-1.798	-1.799	0.116	0.079	34.202	6.37	277	27.532	29.931	32.303	36.966	54.0	0.027	1440.4	49				
60	-1.798	-1.799	0.124	0.079	34.202	6.35	276	27.532	29.931	32.303	36.966	54.0	0.033	1440.6	59				
70	-1.794	-1.795	0.136	0.083	34.203	6.33	275	27.533	29.931	32.303	36.966	53.9	0.038	1440.8	69				
80	-1.774	-1.776	0.163	0.103	34.205	6.27	273	27.534	29.932	32.304	36.966	53.7	0.043	1441.0	79				
90	-1.757	-1.759	0.188	0.120	34.207	6.15	267	27.535	29.933	32.304	36.966	53.5	0.049	1441.3	89				
100	-1.582	-1.584	0.371	0.296	34.225	6.06	264	27.545	29.940	32.309	36.965	52.6	0.054	1442.3	98				
125	-1.123	-1.126	0.853	0.758	34.280	5.79	251	27.575	29.962	32.323	36.965	49.8	0.067	1445.0	123				
150	-0.622	-0.627	1.376	1.263	34.354	5.49	238	27.615	29.994	32.347	36.974	46.2	0.079	1447.8	148				
175	-0.304	-0.310	1.716	1.584	34.404	5.11	222	27.641	30.016	32.364	36.980	43.8	0.090	1449.8	173				
200	0.302	0.294	2.346	2.196	34.502	4.75	206	27.688	30.053	32.392	36.990	39.7	0.100	1453.1	197				
225	0.833	0.823	2.902	2.732	34.597	4.49	195	27.733	30.090	32.420	37.003	35.8	0.110	1456.1	222				
250	1.072	1.060	3.162	2.974	34.644	4.33	188	27.755	30.108	32.435	37.010	33.9	0.119	1457.6	247				
275	1.317	1.303	3.429	3.222	34.695	4.26	185	27.779	30.129	32.452	37.020	31.9	0.127	1459.2	271				
300	1.378	1.364	3.510	3.284	34.712	4.25	185	27.789	30.138	32.460	37.026	31.1	0.135	1459.9	296				
325	1.401	1.385	3.552	3.307	34.721	4.25	185	27.795	30.143	32.465	37.031	30.6	0.142	1460.4	321				
350	1.388	1.370	3.558	3.294	34.724	4.26	185	27.798	30.147	32.469	37.035	30.4	0.150	1460.7	346				
375	1.369	1.350	3.558	3.276	34.726	4.27	185	27.801	30.150	32.472	37.039	30.2	0.158	1461.1	370				
400	1.351	1.331	3.559	3.258	34.727	4.28	186	27.803	30.152	32.475	37.042	30.1	0.165	1461.4	395				
425	1.339	1.317	3.566	3.246	34.727	4.27	186	27.805	30.154	32.477	37.044	30.0	0.173	1461.8	420				
450	1.317	1.294	3.562	3.224	34.728	4.28	186	27.807	30.156	32.480	37.047	29.9	0.180	1462.1	444				
475	1.297	1.273	3.561	3.204	34.728	4.28	186	27.808	30.158	32.482	37.050	29.8	0.188	1462.4	469				
500	1.283	1.258	3.566	3.190	34.728	4.28	186	27.809	30.160	32.483	37.052	29.7	0.195	1462.7	494				
550	1.252	1.224	3.572	3.159	34.728	4.30	187	27.812	30.162	32.487	37.057	29.6	0.210	1463.4	543				
600	1.221	1.190	3.579	3.128	34.728	4.31	187	27.814	30.165	32.490	37.060	29.5	0.225	1464.1	592				
650	1.194	1.161	3.590	3.101	34.727	4.34	189	27.815	30.167	32.492	37.062	29.5	0.239	1464.8	642				
700	1.166	1.130	3.600	3.073	34.726	4.36	189	27.817	30.169	32.494	37.067	29.5	0.254	1465.5	691				
750	1.136	1.098	3.608	3.043	34.726	4.40	191	27.818	30.171	32.497	37.070	29.4	0.269	1466.2	740				
800	1.096	1.055	3.605	3.002	34.724	4.44	193	27.820	30.174	32.500	37.075	29.3	0.283	1466.8	790				
850	1.061	1.017	3.607	2.967	34.723	4.47	194	27.822	30.176	32.503	37.078	29.2	0.298	1467.5	839				
900	1.037	0.990	3.621	2.943	34.722	4.50	195	27.823	30.177	32.505	37.081	29.1	0.313	1468.2	888				
950	1.011	0.961	3.632	2.917	34.722	4.53	197	27.824	30.179	32.507	37.084	29.1	0.327	1468.9	938				
998	0.983	0.930	3.640	2.889	34.720	4.56	198	27.825	30.180	32.509	37.087	29.0	0.341	1469.6	985				

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM								
NP9405	93U	94/10/09	02:14	-69.322	-158.967	4080		984	226	9	-7.0								
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH				
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m				
7	-1.802	-1.802	0.080	0.074	34.199	6.40	278	27.529	29.928	32.300	36.963	54.6	0.004	1439.7	6				
10	-1.803	-1.803	0.081	0.073	34.199	6.40	278	27.530	29.928	32.300	36.964	54.5	0.005	1439.8	9				
20	-1.806	-1.806	0.086	0.070	34.199	6.42	279	27.530	29.929	32.301	36.964	54.4	0.011	1439.9	19				
30	-1.804	-1.805	0.095	0.071	34.199	6.40	278	27.530	29.929	32.301	36.964	54.3	0.016	1440.1	29				
40	-1.804	-1.804	0.103	0.072	34.200	6.39	278	27.530	29.929	32.301	36.964	54.3	0.022	1440.2	39				
50	-1.804	-1.804	0.110	0.072	34.200	6.37	277	27.530	29.929	32.301	36.965	54.2	0.027	1440.4	49				
60	-1.801	-1.802	0.121	0.075	34.200	6.35	276	27.531	29.930	32.302	36.965	54.1	0.033	1440.6	59				
70	-1.791	-1.792	0.138	0.086	34.203	6.33	275	27.533	29.931	32.303	36.966	53.9	0.038	1440.8	69				
80	-1.767	-1.749	0.190	0.130	34.211	6.27	273	27.538	29.936	32.307	36.968	53.3	0.043	1441.2	79				
90	-1.442	-1.444	0.505	0.437	34.247	6.15	267	27.558	29.952	32.318	36.969	51.4	0.049	1442.8	89				
100	-1.294	-1.296	0.661	0.586	34.263	6.06	264	27.567	29.958	32.321	36.968	50.6	0.054	1443.7	98				
125	-0.902	-0.905	1.076	0.981	34.317	5.79	251	27.596	29.980	32.337	36.972	47.9	0.066	1446.1	123				
150	-0.500	-0.504	1.500	1.387	34.377	5.49	238	27.627	30.005	32.356	36.979	45.0	0.078	1448.4	148				
175	-0.006	-0.012	2.017	1.885	34.455	5.11	222	27.667	30.037	32.380	36.987	41.5	0.088	1451.2	173				
200	0.499	0.491	2.546	2.395	34.538	4.75	206	27.706	30.068	32.403	36.996	38.1	0.098	1454.1	197				
225	0.891	0.881	2.961	2.792	34.611	4.49	195	27.741	30.097	32.426	37.007	35.1	0.108	1456.3	222				
250	1.206	1.194	3.297	3.109	34.670	4.33	188	27.767	30.118	32.443	37.014	32.9	0.116	1458.2	247				
275	1.337	1.323	3.449	3.242	34.701	4.26	185	27.783	30.132	32.455	37.023	31.5	0.124	1459.3	271				
300	1.385	1.370	3.517	3.291	34.713	4.25	185	27.789	30.138	32.460	37.026	31.1	0.132	1459.9	296				
325	1.398	1.382	3.549	3.304	34.719	4.25	185	27.793	30.142	32.464	37.029	30.8	0.140	1460.4	321				
350	1.383	1.365	3.553	3.289	34.723	4.26	185	27.798	30.147	32.469	37.035	30.4	0.147	1460.7	346				
375	1.369	1.351	3.558	3.275	34.724	4.27	185	27.800	30.149	32.471	37.038	30.3	0.155	1461.1	370				
400	1.351	1.331	3.559	3.258	34.725	4.28	186	27.802	30.151	32.474	37.041	30.2	0.162	1461.4	395				
425	1.327	1.306	3.554	3.234	34.727	4.27	186	27.805	30.154	32.477	37.045	30.0	0.170	1461.7	420				
450	1.301	1.279	3.547	3.208	34.727	4.28	186	27.807	30.157	32.481	37.049	29.8	0.177	1462.0</					

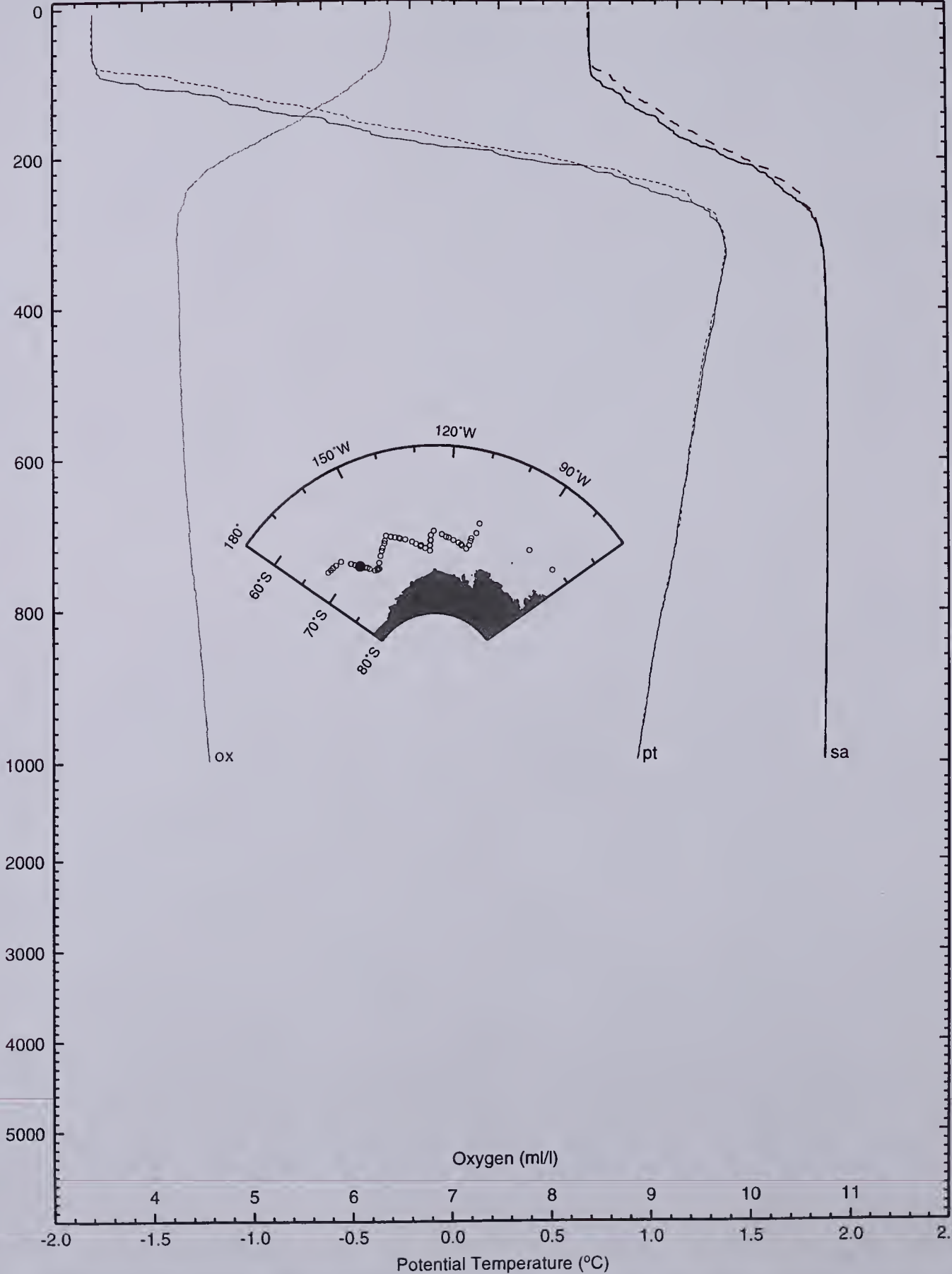
Latitude 69 20 S  
Longitude 158 58 W

NP9405 093

Salinity

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





SHCRUS NP9405	STNM 94D	YR/MO/DA 94/10/09	GTIME 02:17	LATITUDE -69.322	LONGITUDE -158.967	DEPTH 4080	HT	BARO 986	WND 221	WNS 10	AIRTM -8.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DEPTH
dbar	degC	degC	degC	degC	psv	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
7	-1.801	-1.801	0.081	0.075	34.200	6.47	281	27.530	29.929	32.301	36.964	54.5	0.004	1439.7	6
10	-1.804	-1.804	0.080	0.072	34.200	6.47	281	27.530	29.929	32.301	36.964	54.5	0.005	1439.8	9
20	-1.807	-1.807	0.085	0.069	34.200	6.48	282	27.531	29.930	32.302	36.965	54.3	0.011	1439.9	19
30	-1.806	-1.807	0.093	0.069	34.200	6.49	282	27.531	29.930	32.302	36.965	54.3	0.016	1440.1	29
40	-1.806	-1.807	0.100	0.070	34.200	6.48	282	27.531	29.930	32.302	36.965	54.2	0.022	1440.2	39
50	-1.805	-1.806	0.109	0.071	34.201	6.48	282	27.531	29.930	32.302	36.965	54.1	0.027	1440.4	49
60	-1.802	-1.803	0.119	0.075	34.201	6.48	282	27.532	29.930	32.302	36.965	54.0	0.033	1440.6	59
70	-1.792	-1.793	0.138	0.085	34.202	6.48	281	27.532	29.931	32.303	36.966	53.9	0.038	1440.8	69
80	-1.766	-1.768	0.171	0.111	34.205	6.40	278	27.534	29.932	32.303	36.966	53.7	0.043	1441.1	79
90	-1.505	-1.507	0.441	0.373	34.233	6.36	276	27.549	29.943	32.310	36.964	52.3	0.049	1442.5	89
100	-1.372	-1.375	0.582	0.507	34.250	6.12	266	27.558	29.950	32.315	36.965	51.4	0.054	1443.3	98
125	-0.890	-0.894	1.087	0.993	34.313	5.71	248	27.592	29.976	32.333	36.968	48.2	0.066	1446.1	123
150	-0.453	-0.458	1.546	1.434	34.378	5.26	229	27.626	30.003	32.354	36.975	45.1	0.078	1448.6	148
175	0.030	0.024	2.053	1.921	34.456	4.98	217	27.666	30.036	32.379	36.985	41.6	0.089	1451.4	173
200	0.503	0.495	2.550	2.399	34.536	4.69	204	27.704	30.066	32.402	36.994	38.3	0.099	1454.1	197
225	0.911	0.901	2.981	2.811	34.612	4.44	193	27.740	30.096	32.425	37.005	35.1	0.108	1456.4	222
250	1.121	1.109	3.212	3.023	34.653	4.34	189	27.759	30.112	32.438	37.012	33.5	0.116	1457.8	247
275	1.300	1.287	3.412	3.205	34.692	4.29	186	27.779	30.128	32.452	37.020	31.9	0.125	1459.1	271
300	1.396	1.381	3.528	3.302	34.717	4.28	186	27.791	30.140	32.462	37.028	30.9	0.132	1460.0	296
325	1.393	1.377	3.544	3.299	34.723	4.28	186	27.797	30.146	32.468	37.033	30.4	0.140	1460.4	321
350	1.383	1.365	3.553	3.290	34.725	4.29	187	27.799	30.148	32.470	37.036	30.3	0.148	1460.7	346
375	1.365	1.346	3.554	3.272	34.726	4.30	187	27.801	30.150	32.473	37.039	30.2	0.155	1461.1	370
400	1.345	1.325	3.553	3.252	34.727	4.31	187	27.804	30.153	32.476	37.043	30.0	0.163	1461.4	395
425	1.328	1.306	3.554	3.235	34.728	4.32	188	27.805	30.155	32.478	37.046	29.9	0.170	1461.7	420
450	1.312	1.290	3.558	3.219	34.728	4.33	188	27.807	30.157	32.480	37.048	29.8	0.178	1462.1	444
475	1.300	1.276	3.565	3.207	34.728	4.35	189	27.808	30.158	32.481	37.050	29.8	0.185	1462.4	469
500	1.276	1.251	3.560	3.183	34.728	4.34	189	27.809	30.160	32.484	37.053	29.7	0.193	1462.7	494
550	1.244	1.216	3.565	3.151	34.728	4.36	189	27.812	30.163	32.487	37.057	29.6	0.207	1463.4	543
600	1.219	1.188	3.577	3.126	34.728	4.36	189	27.814	30.165	32.490	37.061	29.5	0.222	1464.1	592
650	1.188	1.155	3.584	3.095	34.727	4.40	191	27.816	30.168	32.493	37.065	29.4	0.237	1464.8	642
700	1.148	1.112	3.582	3.055	34.726	4.42	192	27.817	30.170	32.496	37.069	29.4	0.252	1465.4	691
750	1.123	1.084	3.594	3.030	34.725	4.45	193	27.819	30.172	32.498	37.072	29.3	0.266	1466.1	740
800	1.086	1.045	3.595	2.992	34.724	4.48	195	27.821	30.174	32.501	37.076	29.2	0.281	1466.8	790
850	1.053	1.010	3.600	2.959	34.723	4.51	196	27.822	30.176	32.503	37.079	29.1	0.296	1467.5	839
900	1.019	0.973	3.603	2.925	34.722	4.54	197	27.823	30.178	32.506	37.083	29.0	0.310	1468.1	888
950	0.990	0.940	3.611	2.896	34.721	4.56	198	27.825	30.180	32.508	37.086	29.0	0.325	1468.8	938
1000	0.963	0.911	3.622	2.869	34.720	4.59	200	27.826	30.181	32.510	37.089	28.9	0.339	1469.5	987
1001	0.964	0.912	3.624	2.870	34.720	4.59	200	27.826	30.181	32.510	37.089	28.9	0.339	1469.6	988

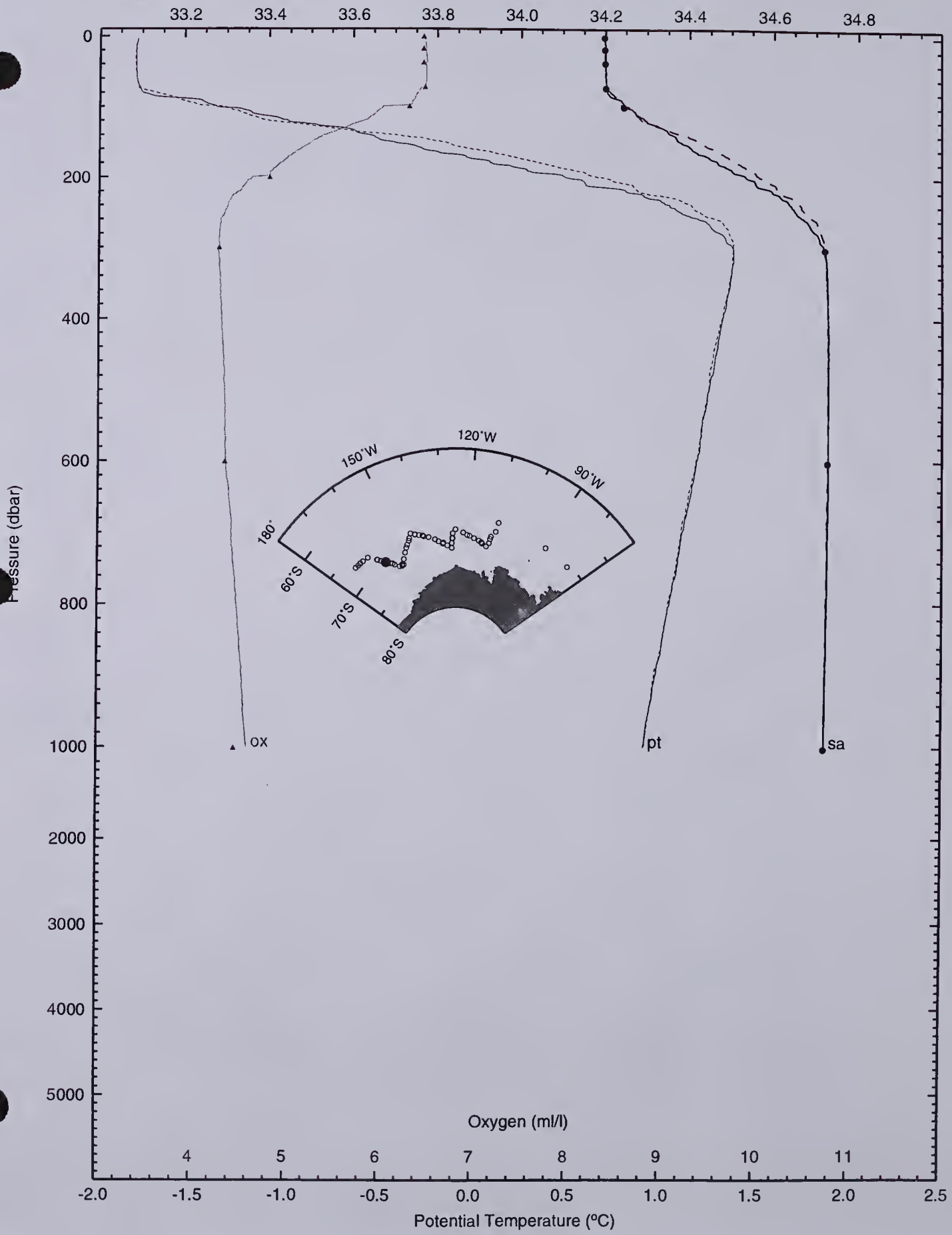
SHCRUS NP9405	STNM 94U	YR/MO/DA 94/10/09	GTIME 03:11	LATITUDE -69.311	LONGITUDE -158.961	DEPTH 4080	HT	BARO 986	WND 221	WNS 10	AIRTM -8.4				
PRES	TEMPCTD	SALCTD	SALBOT	OKXBOT	OKXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DEPTH
dbar	degC	psv	psv	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pM/kg	pM/kg	pM/kg		m
2	-1.798	34.198	34.197	6.45	281	67.8	2.09	29.3	2202	516	4.73	2.28	0.42	17/18/19	2
19	-1.812	34.199	34.198	6.45	282	66.9	2.09	29.1	2205	519				15	19
39	-1.811	34.199	34.199	6.45	282	66.9	2.08	28.9	2203	517				14	39
74	-1.800	34.200	34.201	6.47	280	66.5	2.11	29.2	2204	518				11	73
101	-1.477	34.237	34.244	6.30	261	68.0	2.15	29.4	2208	522				9	100
202	0.674	34.566		4.81	201	87.1	2.30	31.8	2243	588				7	199
302	1.396	34.720	34.719	4.28	185	98.7	2.30	32.2	2256	602				5	298
602	1.217	34.727	34.726	4.35	189	107.8	2.28	32.0	2259	590				3	595
1002	0.967	34.720	34.719	4.46	200	116.4	2.28	31.9	2260	583	0.07	0.02	0.00	1/2	989

SHCRUS NP9405	STNM 94U	YR/MO/DA 94/10/09	GTIME 03:11	LATITUDE -69.311	LONGITUDE -158.961	DEPTH 4080	HT	BARO 986	WND 221	WNS 10	AIRTM -8.4				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DEPTH
dbar	degC	degC	degC	degC	psv	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
4	-1.799	-1.799	0.081	0.077	34.198	6.47	281	27.529	29.928	32.299	36.963	54.6	0.002	1439.7	3
10	-1.804	-1.804	0.080	0.072	34.198	6.47	281	27.529	29.928	32.300	36.963	54.6	0.005	1439.8	9
20	-1.812	-1.812	0.080	0.064	34.199	6.48	282	27.530	29.929	32.301	36.964	54.4	0.011	1439.9	19
30	-1.811	-1.811	0.088	0.065	34.199	6.49	282	27.530	29.929	32.301	36.965	54.4	0.016	1440.0	29
40	-1.810	-1.810	0.097	0.066	34.199	6.48	282	27.530	29.929	32.301	36.964	54.3	0.022	1440.2	39
50	-1.807	-1.808	0.107	0.069	34.200	6.48	282	27.530	29.929	32.301	36.965	54.2	0.027	1440.4	49
60	-1.803	-1.804	0.119	0.073	34.200	6.48	282	27.531	29.930	32.302	36.965	54.1	0.033	1440.6	59
70	-1.795	-1.796	0.134	0.082	34.201	6.48	281	27.532	29.930	32.302	36.965	54.0	0.038	1440.8	69
80	-1.705	-1.707	0.232	0.172	34.214	6.40	278	27.539	29.936	32.307	36.967	53.2	0.043	1441.4	79
90	-1.571	-1.573	0.375	0.307	34.228	6.36	276	27.547	29.942	32.310	36.966	52.4	0.049	1442.2	89
100	-1.384	-1.386	0.571	0.495	34.250	6.12	266	27.559	29.951	32.316	36.966	51.3	0.054	1443.3	98
125	-0.948	-0.951	1.029	0.935	34.315	5.71	248	27.596	29.981	32.339	36.975	47.9	0.066	1445.8	123
150	-0.479	-0.484	1.524	1.410	34.380	5.26	229	27.633	30.025	32.371	36.984	44.8	0.078	1448.0	148
175	0.022	0.016	2.030	1.916	34.502	4.98	217	27.690	30.055	32.394	36.993	39.5	0.088	1452.6	173
200	0.692	0.683	2.740	2.590	34.572	4.69	204	27.721	30.081	32.413	37.000	36.7	0.097	1455.0	197
225	0.987	0.977	3.058	2.888	34.630	4.44	193	27.749	30.104	32.432	37.010	34.3	0.106	1456.8	222
250	1.225	1.213	3.317	3.129	34.676	4.34	188	27.770	30.121	32.446	37.016	32.6	0.115	1458.3	247
275	1.369	1.355	3.482	3.275	34.709	4.29	186	27.787	30.136	32.459	37.025	31.2	0.123	1459.4	271
300	1.396	1.381	3.529	3.302	34.720	4.28	186	27.794	30.142	32.464	37.030	30.6	0.130	1460.0	296
325	1.392	1.376	3.543	3.298	34.722	4.28	186	27.796	30.145	32.467	37.032	30.5	0.138	1460.4	321
350	1.379	1.361	3.549	3.285	34.724	4.29	187	27.799	30.147	32.470	37.036	30.3	0.146	1460.7	346
375	1.360	1.341	3.549	3.267											

Latitude 69 19 S  
Longitude 158 58 W

Salinity

NP9405 094



SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	95D	94/10/09	13:06	-68.767	-160.436			995	345	6	-10.5				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.815	-1.815	0.066	0.061	34.199	6.41	278	27.530	29.929	32.301	36.965	54.5	0.003	1439.6	5
10	-1.815	-1.815	0.069	0.061	34.199	6.41	279	27.530	29.929	32.301	36.965	54.5	0.005	1439.7	9
20	-1.812	-1.812	0.079	0.064	34.199	6.41	279	27.530	29.929	32.301	36.964	54.5	0.011	1439.9	19
30	-1.809	-1.810	0.090	0.067	34.199	6.41	279	27.530	29.929	32.301	36.965	54.4	0.016	1440.1	29
40	-1.806	-1.807	0.101	0.070	34.200	6.41	279	27.531	29.930	32.302	36.965	54.2	0.022	1440.2	39
50	-1.805	-1.806	0.109	0.071	34.200	6.40	278	27.531	29.930	32.302	36.965	54.1	0.027	1440.4	49
60	-1.801	-1.802	0.121	0.076	34.202	6.38	277	27.532	29.931	32.303	36.966	54.0	0.033	1440.6	59
70	-1.798	-1.800	0.131	0.079	34.202	6.36	276	27.532	29.931	32.303	36.966	53.9	0.038	1440.8	69
80	-1.778	-1.779	0.159	0.099	34.206	6.34	276	27.535	29.933	32.305	36.967	53.6	0.043	1441.0	79
90	-1.598	-1.600	0.348	0.280	34.228	6.30	274	27.547	29.943	32.311	36.968	52.4	0.049	1442.1	89
100	-1.351	-1.354	0.604	0.529	34.262	6.20	269	27.567	29.959	32.324	36.972	50.5	0.054	1443.5	98
125	-0.823	-0.827	1.155	1.061	34.336	5.91	257	27.608	29.991	32.347	36.980	46.8	0.066	1446.5	123
150	-0.302	-0.307	1.699	1.587	34.416	5.61	244	27.650	30.025	32.373	36.989	42.9	0.077	1449.4	148
175	0.217	0.211	2.243	2.111	34.495	5.37	233	27.687	30.053	32.393	36.994	39.7	0.088	1452.3	173
200	0.800	0.791	2.849	2.699	34.589	5.04	219	27.729	30.086	32.417	37.000	36.1	0.097	1455.5	197
225	1.156	1.146	3.229	3.059	34.660	4.59	199	27.762	30.114	32.440	37.013	33.2	0.106	1457.6	222
250	1.373	1.361	3.467	3.278	34.706	4.33	188	27.785	30.134	32.456	37.022	31.3	0.114	1459.0	247
275	1.411	1.397	3.524	3.317	34.720	4.24	184	27.793	30.141	32.463	37.028	30.7	0.122	1459.6	271
300	1.405	1.390	3.537	3.312	34.725	4.23	184	27.798	30.146	32.468	37.033	30.3	0.129	1460.0	296
325	1.385	1.369	3.536	3.292	34.727	4.24	184	27.801	30.149	32.472	37.037	30.1	0.137	1460.3	321
350	1.367	1.349	3.537	3.274	34.728	4.24	184	27.803	30.151	32.474	37.040	30.0	0.144	1460.7	346
375	1.349	1.331	3.538	3.256	34.728	4.25	185	27.804	30.153	32.476	37.043	29.9	0.152	1461.0	370
400	1.329	1.309	3.537	3.236	34.728	4.26	185	27.806	30.155	32.478	37.046	29.8	0.159	1461.3	395
425	1.301	1.280	3.528	3.208	34.728	4.28	186	27.808	30.158	32.481	37.050	29.6	0.167	1461.6	420
450	1.286	1.263	3.531	3.193	34.728	4.29	186	27.809	30.159	32.483	37.052	29.6	0.174	1461.9	444
475	1.267	1.243	3.531	3.174	34.728	4.32	188	27.810	30.161	32.485	37.054	29.6	0.181	1462.3	469
500	1.251	1.226	3.535	3.158	34.728	4.33	188	27.811	30.162	32.486	37.056	29.5	0.189	1462.6	494
550	1.217	1.189	3.538	3.124	34.727	4.37	190	27.813	30.164	32.489	37.060	29.4	0.203	1463.3	543
600	1.184	1.154	3.543	3.091	34.726	4.39	191	27.815	30.167	32.492	37.064	29.4	0.218	1463.9	592
650	1.145	1.112	3.541	3.052	34.725	4.43	192	27.817	30.169	32.495	37.068	29.2	0.233	1464.6	642
700	1.117	1.081	3.551	3.023	34.724	4.44	193	27.819	30.171	32.498	37.071	29.2	0.247	1465.3	691
750	1.086	1.048	3.557	2.992	34.724	4.46	194	27.820	30.173	32.500	37.075	29.1	0.262	1466.0	740
800	1.054	1.013	3.563	2.960	34.723	4.50	195	27.822	30.175	32.503	37.078	29.1	0.277	1466.7	790
850	1.027	0.984	3.574	2.933	34.722	4.52	196	27.823	30.177	32.505	37.081	29.0	0.291	1467.4	839
900	0.988	0.942	3.572	2.894	34.720	4.55	198	27.824	30.179	32.508	37.085	28.9	0.306	1468.0	888
950	0.967	0.917	3.588	2.873	34.719	4.58	199	27.825	30.181	32.509	37.088	28.9	0.320	1468.7	938
999	0.943	0.891	3.601	2.849	34.718	4.59	200	27.826	30.182	32.511	37.090	28.8	0.334	1469.4	986

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	95U	94/10/09	14:03	-68.802	-160.433			995	345	6	-10.5				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH
dbar	degC	ps	ps	ml/l	um/kg	um/kg	um/kg	um/kg	um/kg	um/m	pm/kg	pm/kg	pm/kg		m
4	-1.819	34.200	34.200	6.40	279	66.9	2.00	29.3	2205	521				17	4
20	-1.815	34.200	34.201	6.41	279	67.3	1.98	29.4	2205	521				15	20
49	-1.809	34.200	34.202	6.40	278	67.6	2.01	29.4	2207	523				13	49
170	-0.314	34.416	34.418	5.46	236	79.3	2.12	31.1	2229	566				11	168
290	1.420	34.717	34.716	4.22	184	99.6	2.21	32.5	2259	609				9	287
401	1.342	34.728	34.727	4.24	185	105.4	2.18	32.5	2259	601				7	396
600	1.191	34.726	34.726	4.48	191	110.4	2.17	32.4	2260	591				5	593
800	1.051	34.722	34.720	4.46	195	114.4	2.17	32.4	2258	580				3	790
999	0.943	34.718	34.719	4.56	200	117.3	2.17	32.1	2260	577				1	986

SHCRUS	STNM	YR/MO/DA	GTIME	LATITUDE	LONGITUDE	DPTH	HT	BARO	WND	WNS	AIRTM				
NP9405	95U	94/10/09	14:03	-68.802	-160.433			995	345	6	-10.5				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
5	-1.817	-1.817	0.063	0.059	34.201	6.41	279	27.532	29.931	32.303	36.966	54.4	0.003	1439.6	4
10	-1.816	-1.817	0.068	0.060	34.200	6.41	279	27.531	29.930	32.302	36.966	54.4	0.005	1439.7	9
20	-1.815	-1.815	0.077	0.061	34.200	6.41	279	27.531	29.930	32.302	36.966	54.3	0.011	1439.9	19
30	-1.812	-1.812	0.087	0.064	34.200	6.41	279	27.531	29.930	32.302	36.965	54.3	0.016	1440.0	29
40	-1.816	-1.817	0.091	0.060	34.200	6.41	279	27.531	29.930	32.302	36.966	54.2	0.022	1440.2	39
50	-1.811	-1.812	0.103	0.065	34.200	6.40	278	27.531	29.930	32.302	36.966	54.1	0.027	1440.4	49
60	-1.801	-1.802	0.121	0.076	34.201	6.38	277	27.532	29.931	32.302	36.966	54.0	0.033	1440.6	59
70	-1.797	-1.798	0.132	0.080	34.202	6.36	276	27.532	29.931	32.303	36.966	53.9	0.038	1440.8	69
80	-1.794	-1.795	0.143	0.083	34.204	6.34	276	27.533	29.932	32.304	36.967	53.7	0.043	1440.9	79
90	-1.776	-1.778	0.169	0.101	34.208	6.30	274	27.537	29.935	32.306	36.969	53.4	0.049	1441.2	89
100	-1.647	-1.649	0.306	0.231	34.230	6.20	269	27.551	29.947	32.317	36.975	52.0	0.054	1442.0	98
125	-1.120	-1.123	0.856	0.762	34.298	5.91	257	27.589	29.976	32.337	36.979	48.5	0.067	1445.0	123
150	-0.678	-0.683	1.320	1.208	34.363	5.61	244	27.624	30.005	32.359	36.987	45.2	0.078	1447.6	148
175	-0.271	-0.277	1.750	1.618	34.423	5.37	233	27.654	30.028	32.376	36.991	42.5	0.089	1450.0	173
200	0.116	0.108	2.159	2.009	34.485	5.04	219	27.684	30.053	32.394	36.998	39.9			

Latitude 68 46 S  
Longitude 160 26 W

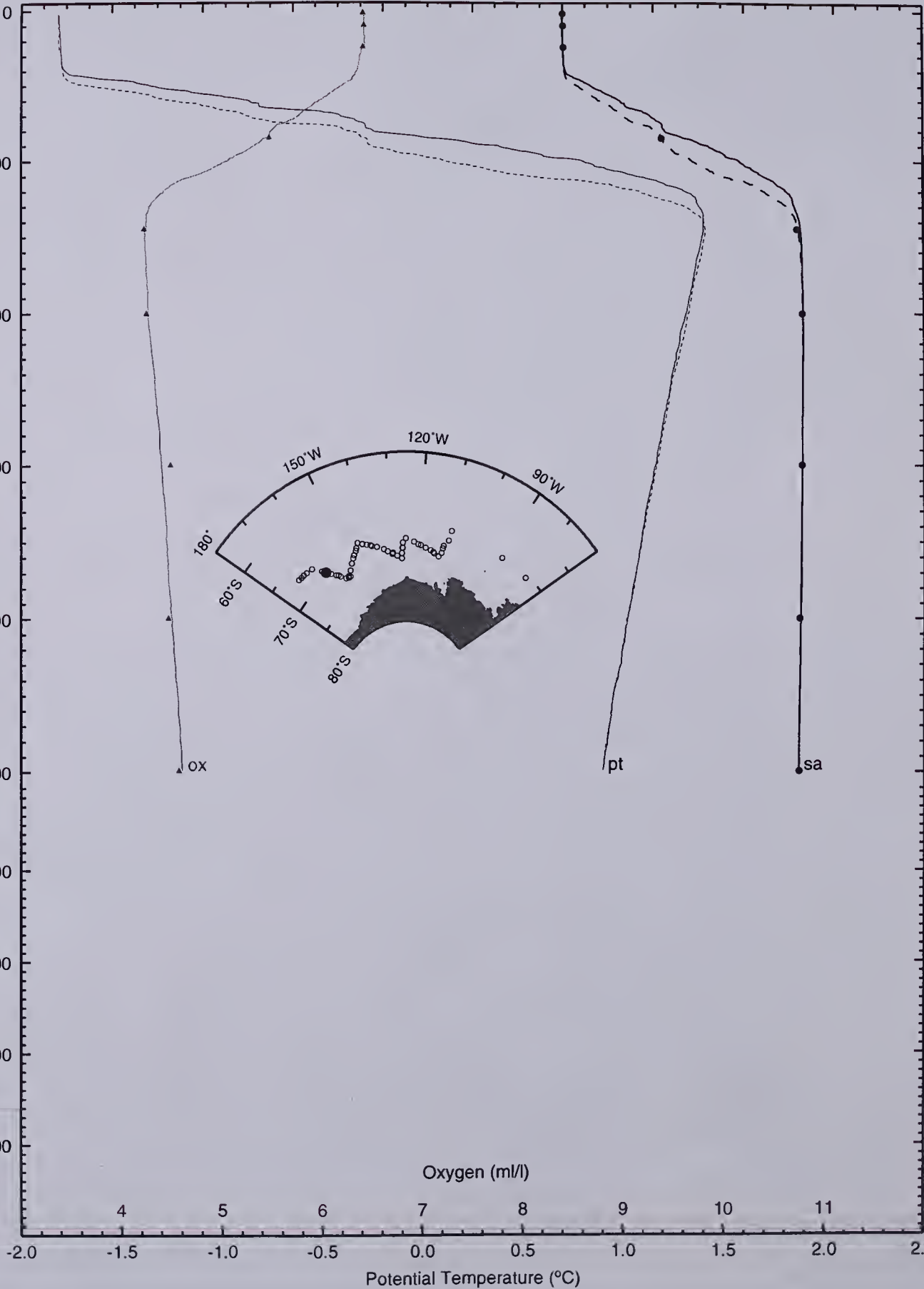
Salinity

NP9405 095

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



SHCRUS NP9405	STNM 96D	YR/MO/DA 94/10/09	GTIME 23:25	LATITUDE -68.236	LONGITUDE -161.485	DPTH	HT	BARO 992	WND 303	WNS 7	AIRTM -0.5						
PRES	TEMPCTD	POTEMP	TE>PRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
5	-1.780	-1.780	0.101	0.097	34.217	6.39	278	27.544	29.942	32.314	36.976	53.2	0.003	1439.8	4		
10	-1.782	-1.782	0.103	0.096	34.226	6.39	278	27.551	29.949	32.321	36.983	52.5	0.005	1439.9	9		
20	-1.786	-1.786	0.107	0.091	34.217	6.40	278	27.544	29.942	32.314	36.976	53.1	0.011	1440.0	19		
30	-1.787	-1.788	0.113	0.090	34.216	6.40	278	27.543	29.942	32.313	36.976	53.1	0.016	1440.2	29		
40	-1.786	-1.786	0.122	0.091	34.216	6.39	278	27.543	29.942	32.313	36.976	53.0	0.021	1440.3	39		
50	-1.787	-1.788	0.128	0.090	34.216	6.39	278	27.543	29.942	32.313	36.976	53.0	0.027	1440.5	49		
60	-1.786	-1.788	0.136	0.091	34.216	6.38	278	27.543	29.942	32.313	36.976	52.9	0.032	1440.7	59		
70	-1.786	-1.787	0.144	0.091	34.216	6.38	277	27.543	29.942	32.313	36.976	52.9	0.037	1440.8	69		
80	-1.787	-1.788	0.151	0.090	34.216	6.35	276	27.543	29.942	32.313	36.976	52.8	0.042	1441.0	79		
90	-1.781	-1.782	0.165	0.096	34.217	6.30	274	27.544	29.942	32.314	36.976	52.7	0.048	1441.2	89		
100	-1.500	-1.502	0.455	0.380	34.261	6.21	270	27.572	29.966	32.332	36.986	50.1	0.053	1442.7	98		
125	-1.360	-1.363	0.615	0.521	34.287	6.06	263	27.588	29.980	32.344	36.993	48.4	0.065	1443.9	123		
150	-0.926	-0.931	1.071	0.959	34.342	5.75	250	27.618	30.002	32.360	36.995	45.7	0.077	1446.4	148		
175	-0.314	-0.320	1.708	1.576	34.434	5.40	235	27.665	30.040	32.388	37.004	41.5	0.088	1449.8	173		
200	0.174	0.166	2.218	2.068	34.508	4.99	217	27.700	30.067	32.407	37.009	38.5	0.098	1452.5	197		
225	0.686	0.676	2.754	2.585	34.592	4.69	204	27.738	30.097	32.430	37.016	35.2	0.107	1455.4	222		
250	1.035	1.024	3.126	2.937	34.651	4.47	194	27.763	30.117	32.444	37.020	33.1	0.115	1457.4	247		
275	1.168	1.155	3.279	3.072	34.676	4.31	187	27.775	30.127	32.452	37.024	32.2	0.124	1458.5	271		
300	1.294	1.280	3.425	3.199	34.703	4.27	185	27.788	30.138	32.461	37.030	31.1	0.131	1459.5	296		
325	1.350	1.334	3.500	3.256	34.716	4.25	185	27.795	30.144	32.466	37.033	30.6	0.139	1460.2	321		
350	1.362	1.345	3.532	3.269	34.725	4.24	184	27.801	30.150	32.472	37.039	30.1	0.147	1460.6	346		
375	1.339	1.321	3.528	3.246	34.728	4.26	185	27.805	30.154	32.477	37.044	29.8	0.154	1460.9	370		
400	1.321	1.302	3.529	3.228	34.728	4.26	185	27.806	30.156	32.479	37.047	29.7	0.162	1461.3	395		
425	1.301	1.280	3.528	3.208	34.728	4.28	186	27.808	30.158	32.481	37.050	29.6	0.169	1461.6	420		
450	1.285	1.263	3.531	3.192	34.728	4.28	186	27.809	30.159	32.483	37.052	29.6	0.177	1461.9	444		
475	1.265	1.241	3.529	3.172	34.728	4.30	187	27.811	30.161	32.485	37.054	29.5	0.184	1462.3	469		
500	1.244	1.218	3.527	3.151	34.728	4.31	187	27.812	30.163	32.487	37.057	29.4	0.191	1462.6	494		
550	1.210	1.182	3.530	3.117	34.727	4.34	188	27.814	30.165	32.490	37.061	29.4	0.206	1463.2	543		
600	1.182	1.152	3.540	3.089	34.727	4.36	190	27.816	30.167	32.492	37.064	29.3	0.221	1463.9	592		
650	1.151	1.118	3.547	3.058	34.726	4.38	190	27.817	30.169	32.495	37.068	29.2	0.235	1464.6	642		
700	1.121	1.085	3.555	3.028	34.725	4.42	192	27.819	30.171	32.498	37.071	29.2	0.250	1465.3	691		
750	1.077	1.038	3.548	2.982	34.724	4.44	193	27.821	30.174	32.501	37.076	29.1	0.264	1465.9	740		
800	1.050	1.009	3.559	2.956	34.723	4.47	194	27.822	30.176	32.503	37.079	29.0	0.279	1466.6	790		
850	1.024	0.980	3.570	2.930	34.722	4.50	195	27.823	30.177	32.505	37.082	29.0	0.294	1467.3	839		
900	1.007	0.960	3.591	2.913	34.721	4.53	197	27.824	30.178	32.506	37.084	29.0	0.308	1468.1	888		
950	0.972	0.923	3.593	2.878	34.720	4.57	198	27.825	30.180	32.509	37.087	28.9	0.322	1468.8	938		
1000	0.937	0.885	3.596	2.843	34.718	4.59	200	27.826	30.182	32.511	37.091	28.8	0.337	1469.4	987		

SHCRUS NP9405	STNM 96U	YR/MO/DA 94/10/10	GTIME 00:10	LATITUDE -68.236	LONGITUDE -161.448	DPTH	HT	BARO 992	WND 303	WNS 7	AIRTM -0.5						
PRES	TEMPCTD	POTEMP	TE>PRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
12	-1.805	-1.805	0.081	0.072	34.207	6.39	278	27.537	29.935	32.307	36.970	53.9	0.006	1439.8	11		
20	-1.806	-1.806	0.086	0.071	34.207	6.40	278	27.536	29.935	32.307	36.970	53.8	0.011	1439.9	19		
30	-1.805	-1.806	0.094	0.072	34.206	6.40	278	27.536	29.935	32.306	36.970	53.8	0.016	1440.1	29		
40	-1.803	-1.804	0.104	0.074	34.206	6.39	278	27.536	29.934	32.306	36.969	53.8	0.022	1440.3	39		
50	-1.803	-1.804	0.112	0.074	34.206	6.39	278	27.536	29.934	32.306	36.970	53.7	0.027	1440.4	49		
60	-1.802	-1.803	0.120	0.075	34.206	6.38	278	27.536	29.935	32.306	36.970	53.6	0.032	1440.6	59		
70	-1.799	-1.800	0.131	0.078	34.207	6.38	277	27.536	29.935	32.307	36.970	53.5	0.038	1440.8	69		
80	-1.782	-1.783	0.156	0.095	34.210	6.35	276	27.538	29.937	32.308	36.971	53.3	0.043	1441.0	79		
90	-1.691	-1.693	0.255	0.187	34.227	6.30	274	27.549	29.946	32.316	36.976	52.2	0.048	1441.6	89		
100	-1.522	-1.524	0.433	0.358	34.255	6.21	270	27.568	29.962	32.329	36.983	50.5	0.053	1442.6	98		
125	-1.298	-1.301	0.678	0.584	34.292	6.06	263	27.590	29.981	32.344	36.991	48.3	0.066	1444.2	123		
150	-0.972	-0.976	1.026	0.913	34.342	5.75	250	27.619	30.005	32.363	37.000	45.6	0.077	1446.2	148		
175	-0.419	-0.425	1.602	1.470	34.423	5.40	235	27.661	30.038	32.387	37.007	41.8	0.088	1449.3	173		
200	0.152	0.144	2.197	2.046	34.511	4.99	217	27.704	30.071	32.412	37.014	38.1	0.098	1452.4	197		
225	0.650	0.641	2.718	2.549	34.589	4.69	204	27.738	30.098	32.431	37.018	35.2	0.107	1455.2	222		
250	1.009	0.998	3.100	2.911	34.650	4.47	194	27.764	30.118	32.446	37.023	33.0	0.116	1457.3	247		
275	1.259	1.246	3.371	3.164	34.696	4.31	187	27.784	30.135	32.459	37.028	31.3	0.124	1458.9	271		
300	1.334	1.320	3.466	3.240	34.712	4.27	185	27.792	30.141	32.464	37.032	30.8	0.132	1459.7	296		
325	1.367	1.351	3.518	3.273	34.721	4.25	185	27.797	30.146	32.468	37.035	30.4	0.139	1460.2	321		
350	1.357	1.339	3.527	3.264	34.725	4.24	184	27.801	30.150	32.473	37.039	30.1	0.147	1460.6	346		
375	1.335	1.316	3.524	3.242	34.727	4.26	185	27.804	30.154	32.477	37.044	29.8	0.154	1460.9	370		
400	1.315	1.295	3.523	3.222	34.727	4.26	185	27.806	30.156	32.479	37.047	29.7	0.162	1461.2	395		
425	1.290	1.269	3.517	3.197	34.728	4.28	186	27.808	30.158	32.482	37.051	29.6	0.169	1461.5	420		
450	1.277	1.254	3.522	3.184	34.728	4.28	186	27.809	30.160	32.483	37.052	29.6	0.177	1461.9	444		
475	1.257	1.233	3.521	3.164	34.728	4.30	187	27.811	30.161	32.485	37.055	29.5	0.184	1462.2	469		
500	1.243	1.218	3.526	3.150	34.727	4.31	187	27.812	30.162	32.487	37.057	29.5	0.191	1462.6	494		
550	1.212	1.185	3.533	3.119	34.727	4.34	188	27.814	30.165	32.490	37.061	29.4	0.206	1463.2	543		
600	1.179	1.149	3.538	3.089	34.726	4.36	190	27.815	30.167	32.492	37.064	29.3	0.221	1463.9	592		
650	1.147	1.114	3.543	3.054	34.725	4.38	190	27.817	30.169	32.495	37.068	29.3	0.235	1464.6	642		
700	1.110	1.075	3.5														

Latitude 68 14 S  
Longitude 161 29 W

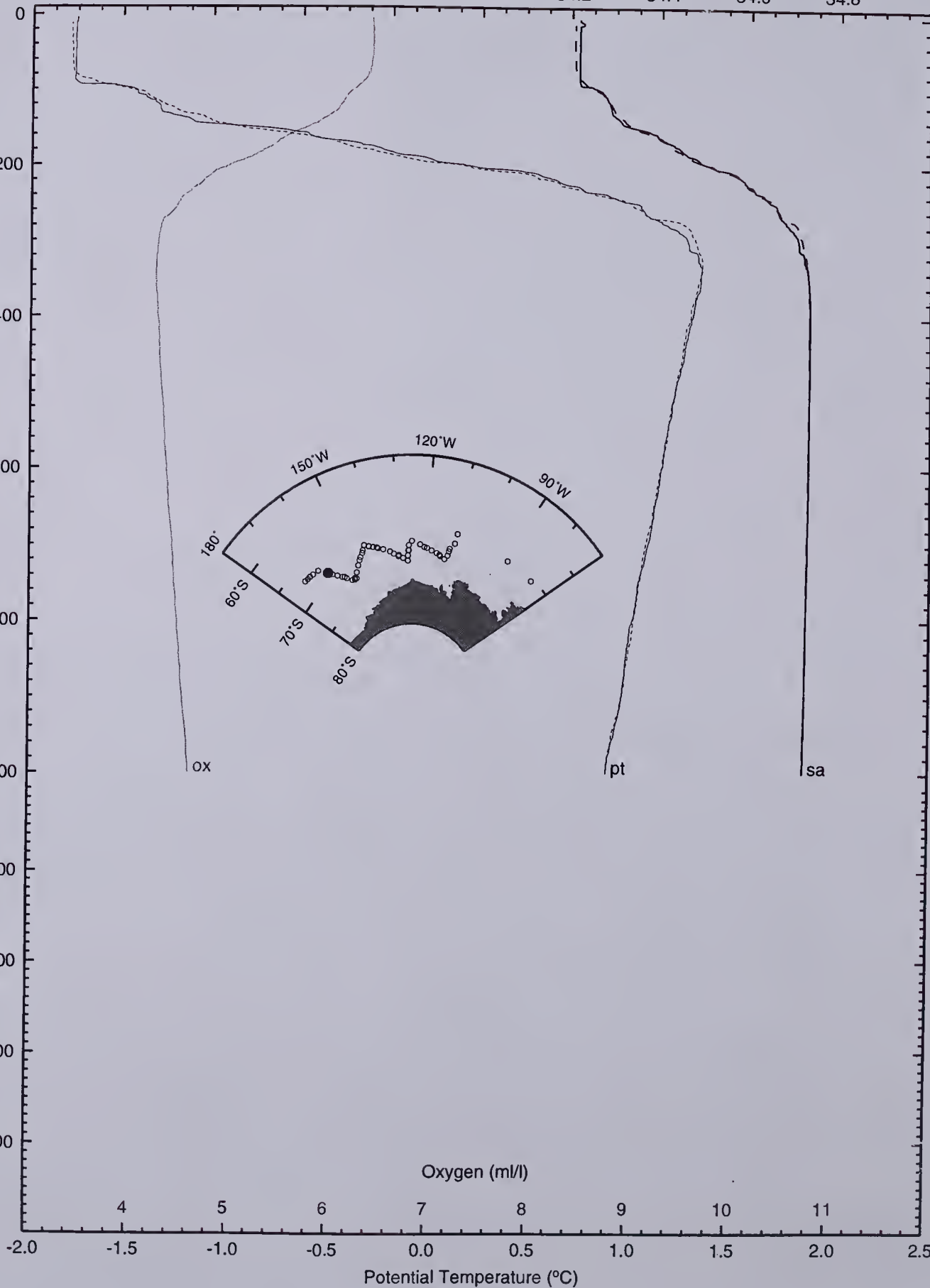
Salinity

NP9405 096

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



SMCRUS NP9405	STNM 97D	YR/MO/DA 94/10/10	GTIME 00:13	LATITUDE -68.236	LONGITUDE -161.448	DPTH	HT	BARO 992	WND 280	WNS 14	AIRTM -0.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
12	-1.806	-1.806	0.080	0.071	34.207	6.33	275	27.536	29.935	32.307	36.970	53.9	0.006	1439.8	11
20	-1.805	-1.805	0.087	0.072	34.207	6.33	275	27.536	29.935	32.307	36.970	53.9	0.011	1439.9	19
30	-1.802	-1.803	0.097	0.075	34.206	6.33	275	27.536	29.935	32.307	36.970	53.8	0.016	1440.1	29
40	-1.803	-1.804	0.104	0.074	34.207	6.33	275	27.536	29.935	32.307	36.970	53.7	0.022	1440.3	39
50	-1.803	-1.804	0.111	0.074	34.207	6.33	275	27.536	29.935	32.307	36.970	53.7	0.027	1440.4	49
60	-1.792	-1.793	0.130	0.085	34.208	6.32	275	27.537	29.936	32.307	36.970	53.5	0.032	1440.6	59
70	-1.788	-1.790	0.141	0.089	34.209	6.31	274	27.538	29.936	32.308	36.971	53.4	0.038	1440.8	69
80	-1.782	-1.784	0.155	0.095	34.210	6.27	273	27.538	29.937	32.308	36.971	53.3	0.043	1441.0	79
90	-1.684	-1.686	0.212	0.194	34.226	6.20	270	27.549	29.945	32.315	36.975	52.3	0.048	1441.7	89
100	-1.510	-1.512	0.445	0.370	34.259	6.10	265	27.570	29.964	32.331	36.985	50.2	0.053	1442.7	98
125	-1.333	-1.336	0.642	0.549	34.289	5.86	255	27.589	29.980	32.344	36.992	48.4	0.066	1444.0	123
150	-0.977	-0.981	1.021	0.907	34.337	5.60	244	27.615	30.000	32.359	36.996	46.0	0.078	1446.1	148
175	-0.401	-0.407	1.619	1.488	34.420	5.25	228	27.658	30.034	32.384	37.003	42.1	0.089	1449.4	173
200	0.117	0.110	2.161	2.011	34.501	4.91	213	27.707	30.065	32.407	37.010	38.7	0.099	1452.3	197
225	0.592	0.582	2.659	2.490	34.576	4.67	203	27.731	30.091	32.425	37.015	35.8	0.108	1454.9	222
250	0.926	0.915	3.016	2.828	34.635	4.44	193	27.758	30.113	32.442	37.021	33.6	0.117	1456.9	247
275	1.188	1.175	3.299	3.092	34.683	4.29	186	27.779	30.130	32.455	37.027	31.8	0.125	1458.6	271
300	1.306	1.291	3.437	3.211	34.706	4.23	184	27.790	30.139	32.463	37.031	31.0	0.133	1459.5	296
325	1.360	1.344	3.511	3.266	34.722	4.23	184	27.798	30.147	32.470	37.036	30.3	0.140	1460.2	321
350	1.357	1.339	3.527	3.264	34.727	4.23	184	27.802	30.151	32.474	37.041	30.0	0.148	1460.6	346
375	1.341	1.323	3.531	3.248	34.728	4.24	184	27.805	30.154	32.477	37.044	29.8	0.155	1461.0	370
400	1.315	1.295	3.523	3.222	34.729	4.24	184	27.807	30.157	32.480	37.048	29.7	0.163	1461.2	395
425	1.294	1.272	3.520	3.201	34.729	4.25	184	27.809	30.159	32.482	37.051	29.6	0.170	1461.6	420
450	1.282	1.259	3.527	3.189	34.729	4.26	185	27.810	30.160	32.484	37.052	29.5	0.178	1461.9	444
475	1.261	1.237	3.526	3.168	34.728	4.28	186	27.811	30.162	32.486	37.055	29.5	0.185	1462.2	469
500	1.254	1.229	3.537	3.161	34.728	4.29	187	27.811	30.162	32.486	37.056	29.5	0.192	1462.6	494
550	1.217	1.189	3.538	3.124	34.728	4.32	188	27.814	30.165	32.490	37.061	29.4	0.207	1463.3	543
600	1.175	1.145	3.534	3.082	34.727	4.34	189	27.816	30.168	32.493	37.065	29.2	0.222	1463.9	592
650	1.146	1.113	3.542	3.053	34.726	4.38	190	27.817	30.170	32.496	37.069	29.2	0.236	1464.6	642
700	1.108	1.073	3.542	3.015	34.725	4.40	191	27.819	30.172	32.499	37.073	29.1	0.251	1465.2	691
750	1.081	1.043	3.552	2.987	34.724	4.44	194	27.821	30.174	32.501	37.076	29.1	0.265	1465.9	740
800	1.047	1.006	3.556	2.953	34.723	4.46	194	27.822	30.176	32.503	37.079	29.0	0.280	1466.6	790
850	1.023	0.979	3.569	2.929	34.722	4.49	195	27.823	30.178	32.505	37.082	28.9	0.294	1467.3	839
900	0.994	0.948	3.578	2.900	34.721	4.51	196	27.824	30.179	32.507	37.085	28.9	0.309	1468.0	888
950	0.974	0.924	3.595	2.880	34.720	4.54	197	27.825	30.180	32.509	37.087	28.9	0.323	1468.8	938
1000	0.939	0.887	3.598	2.845	34.719	4.58	199	27.827	30.182	32.511	37.091	28.8	0.338	1469.4	987

SHCRUS NP9405	STNM 97U	YR/MO/DA 94/10/10	GTIME 00:55	LATITUDE -68.234	LONGITUDE -161.416	DPTH	MT	BARO 992	WND 280	WNS 14	AIRTM -0.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
12	-1.808	-1.809	0.077	0.069	34.204	6.33	275	27.534	29.933	32.305	36.968	54.1	0.006	1439.8	11
20	-1.808	-1.809	0.083	0.069	34.204	6.33	275	27.534	29.933	32.305	36.968	54.0	0.011	1439.9	19
30	-1.806	-1.807	0.093	0.071	34.204	6.33	275	27.534	29.933	32.305	36.968	54.0	0.016	1440.1	29
40	-1.804	-1.805	0.102	0.073	34.204	6.33	275	27.534	29.933	32.305	36.968	53.9	0.022	1440.2	39
50	-1.802	-1.803	0.113	0.075	34.204	6.33	275	27.534	29.933	32.305	36.968	53.9	0.027	1440.4	49
60	-1.801	-1.802	0.121	0.076	34.205	6.32	274	27.536	29.934	32.306	36.969	53.6	0.038	1440.8	69
70	-1.793	-1.794	0.137	0.084	34.206	6.31	274	27.541	29.939	32.310	36.971	53.1	0.043	1441.1	79
80	-1.754	-1.755	0.184	0.123	34.214	6.27	273	27.553	29.949	32.319	36.978	51.9	0.048	1441.8	89
90	-1.664	-1.666	0.282	0.214	34.232	6.20	270	27.573	29.967	32.333	36.986	49.9	0.053	1442.9	98
100	-1.471	-1.473	0.484	0.409	34.264	6.10	265	27.606	29.994	32.354	36.995	46.8	0.066	1445.1	123
125	-1.106	-1.109	0.871	0.777	34.320	5.86	255	27.634	30.016	32.372	37.003	44.2	0.077	1447.1	148
150	-0.779	-0.784	1.220	1.107	34.370	5.60	244	27.668	30.041	32.388	37.003	41.3	0.088	1450.1	173
175	-0.255	-0.261	1.767	1.635	34.440	5.25	228	27.709	30.075	32.414	37.012	37.6	0.097	1453.0	197
200	0.274	0.266	2.320	2.169	34.526	4.91	213	27.735	30.095	32.429	37.018	35.5	0.107	1455.0	222
225	0.602	0.592	2.669	2.500	34.581	4.67	203	27.761	30.116	32.444	37.022	33.2	0.115	1457.2	247
250	0.974	0.963	3.064	2.876	34.644	4.44	193	27.783	30.133	32.458	37.028	31.5	0.123	1458.8	271
275	1.244	1.231	3.356	3.149	34.693	4.29	186	27.795	30.144	32.467	37.033	30.5	0.131	1459.8	296
300	1.358	1.343	3.490	3.264	34.718	4.23	184	27.800	30.149	32.471	37.038	30.1	0.139	1460.3	321
325	1.369	1.353	3.521	3.276	34.725	4.23	184	27.801	30.150	32.473	37.039	30.1	0.146	1460.6	346
350	1.362	1.345	3.532	3.269	34.726	4.23	184	27.803	30.152	32.475	37.042	30.0	0.154	1461.0	370
375	1.348	1.329	3.537	3.255	34.727	4.24	184	27.805	30.155	32.478	37.045	29.9	0.161	1461.3	395
400	1.330	1.310	3.538	3.237	34.727	4.24	184	27.807	30.157	32.480	37.048	29.8	0.169	1461.6	420
425	1.312	1.290	3.538	3.219	34.728	4.25	184	27.808	30.158	32.481	37.050	29.7	0.176	1462.0	444
450	1.297	1.275	3.543	3.204	34.728	4.26	185	27.810	30.160	32.484	37.053	29.6	0.183	1462.3	469
475	1.274	1.250	3.539	3.181	34.728	4.28	186	27.811	30.161	32.486	37.055	29.6	0.191	1462.6	494
500	1.257	1.232	3.540	3.164	34.728	4.29	187	27.814	30.165	32.490	37.061	29.4	0.205	1463.2	543
550	1.206	1.178	3.527	3.113	34.727	4.32	188	27.816	30.168	32.493	37.066	29.3	0.220	1463.9	592
600	1.168	1.138	3.526	3.075	34.726	4.34	189	27.817	30.170	32.496	37.069	29.2	0.235	1464.6	642
650	1.140	1.107	3.536	3.047	34.725	4.38	190	27.819	30.172	32.499	37.073	29.1	0.249	1465.2	691
700	1.102	1.066	3.535	3.008	34.724	4.40	191	27.821	30.174	32.501	37.077	29.0	0.264	1465.9	740
750	1.067	1.029	3.538	2.973	34.723	4.44	194	27.822	30.176	32.503	37.079	29.0	0.278	1466.6	790
800	1.047	1.006	3.555	2.953	34.722	4.46	194	27.823	30.177	32.505	37.082	29.0	0.293	1467.3	839
850	1.016	0.973	3.563	2.922	34.721	4.49	195	27.824	30.179	32.507	37.085	28.9	0.307	1468.0	888
900	0.993	0.946	3.576	2.899	34.720	4.51	196	27.825	30.180	32.508	37.087	28.9	0.322	1468.8	938
950	0.975	0.925	3.596	2.881	34.719	4.54	197	27.826	30.182	32.511	37.091	28.8	0.336	1469.4	986
999	0.937	0.885	3.595	2.843	34.718	4.58	199	27.826	30.182						

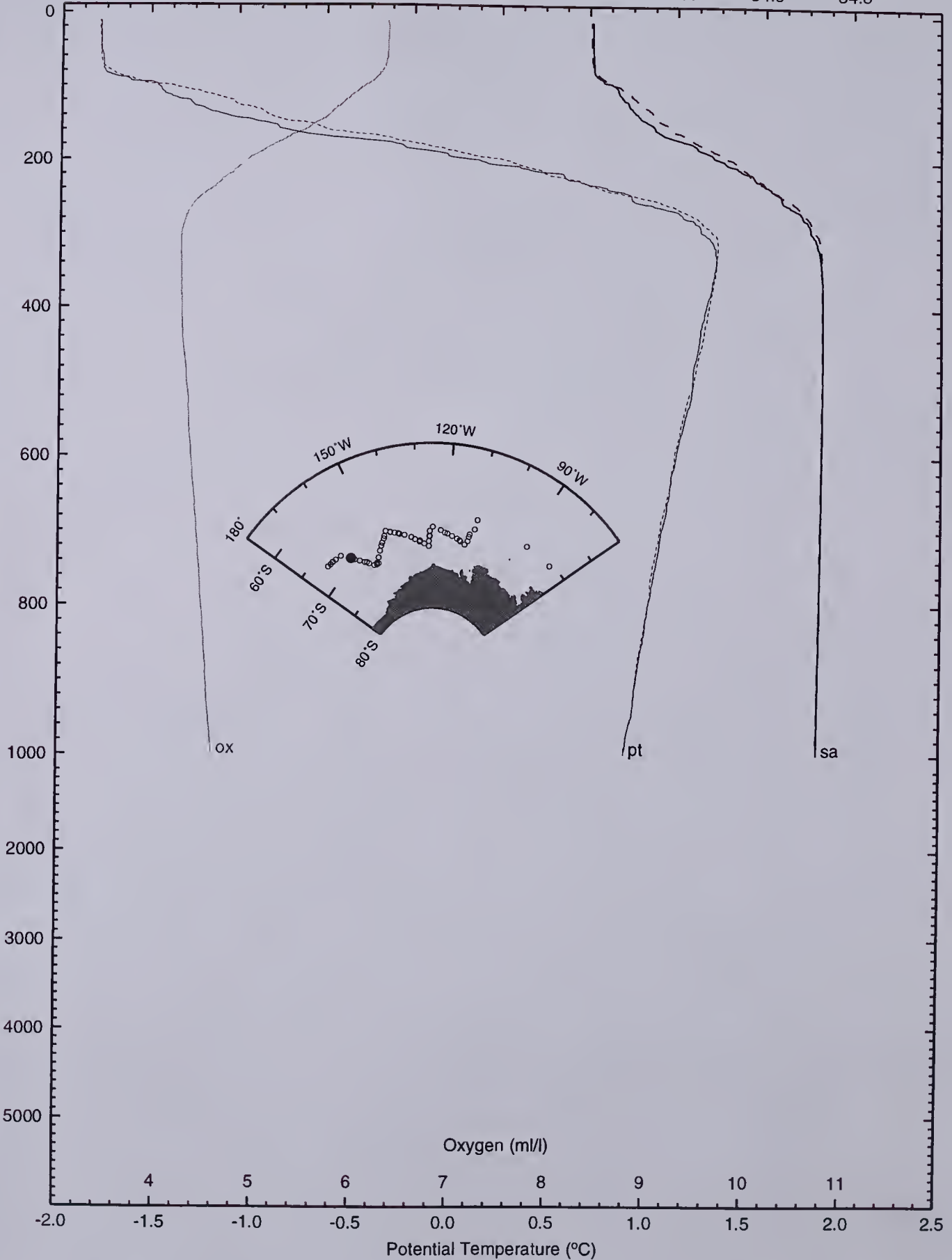
Latitude 68 14 S  
Longitude 161 27 W

Salinity

NP9405 097

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)





SHCRUS NP9405	STNM 98D	YR/MO/DA 94/10/10	GTIME 00:58	LATITUDE -68.234	LONGITUDE -161.416	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7	PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3	dyn.m	m/s	m													
12	-1.810	-1.810	0.076	0.067	34.205	6.28	273	27.535	29.934	32.306	36.969	54.0	0.006	1439.8	11												
20	-1.809	-1.810	0.083	0.068	34.205	6.27	273	27.535	29.934	32.306	36.969	54.0	0.011	1439.9	19												
30	-1.807	-1.808	0.092	0.070	34.205	6.27	272	27.535	29.934	32.305	36.969	53.9	0.016	1440.1	29												
40	-1.805	-1.806	0.102	0.072	34.205	6.26	272	27.535	29.934	32.306	36.969	53.9	0.022	1440.2	39												
50	-1.802	-1.803	0.113	0.075	34.206	6.26	272	27.535	29.934	32.306	36.969	53.8	0.027	1440.4	49												
60	-1.802	-1.803	0.120	0.075	34.206	6.24	271	27.535	29.934	32.306	36.969	53.7	0.032	1440.6	59												
70	-1.795	-1.796	0.135	0.082	34.207	6.22	270	27.536	29.935	32.306	36.969	53.6	0.038	1440.8	69												
80	-1.783	-1.784	0.155	0.094	34.209	6.19	269	27.537	29.936	32.307	36.970	53.4	0.043	1441.0	79												
90	-1.749	-1.751	0.196	0.128	34.215	6.14	267	27.541	29.939	32.310	36.972	52.9	0.048	1441.3	89												
100	-1.588	-1.590	0.366	0.291	34.240	6.06	263	27.557	29.953	32.321	36.977	51.4	0.054	1442.3	98												
125	-1.077	-1.080	0.900	0.806	34.316	5.77	251	27.602	29.989	32.349	36.989	47.2	0.066	1445.2	123												
150	-0.702	-0.706	1.298	1.184	34.376	5.50	239	27.635	30.016	32.370	36.999	44.2	0.077	1447.5	148												
175	-0.305	-0.310	1.717	1.585	34.431	5.22	227	27.662	30.037	32.385	37.001	41.8	0.088	1449.8	173												
200	0.277	0.270	2.323	2.172	34.525	4.85	211	27.708	30.074	32.412	37.011	37.7	0.098	1453.0	197												
225	0.637	0.628	2.705	2.536	34.586	4.61	200	27.736	30.096	32.430	37.017	35.3	0.107	1455.2	222												
250	0.919	0.907	3.008	2.820	34.634	4.38	191	27.757	30.113	32.442	37.022	33.6	0.116	1456.9	247												
275	1.163	1.149	3.273	3.067	34.678	4.28	186	27.777	30.129	32.454	37.027	32.0	0.124	1458.5	271												
300	1.346	1.331	3.478	3.252	34.715	4.23	184	27.794	30.143	32.466	37.033	30.6	0.132	1459.7	296												
325	1.367	1.351	3.518	3.273	34.724	4.22	183	27.799	30.148	32.471	37.037	30.2	0.139	1460.2	321												
350	1.360	1.342	3.530	3.267	34.727	4.23	184	27.803	30.152	32.474	37.041	29.9	0.147	1460.6	346												
375	1.348	1.329	3.537	3.255	34.728	4.23	184	27.804	30.154	32.476	37.043	29.9	0.154	1461.0	370												
400	1.331	1.311	3.539	3.238	34.728	4.24	184	27.806	30.155	32.478	37.046	29.8	0.162	1461.3	395												
425	1.317	1.295	3.543	3.224	34.729	4.25	185	27.807	30.157	32.480	37.048	29.7	0.169	1461.7	420												
450	1.301	1.279	3.547	3.208	34.729	4.26	185	27.808	30.158	32.482	37.050	29.7	0.176	1462.0	444												
475	1.281	1.257	3.546	3.188	34.729	4.27	186	27.810	30.160	32.484	37.053	29.6	0.184	1462.3	469												
500	1.263	1.238	3.546	3.170	34.728	4.28	186	27.811	30.162	32.486	37.055	29.5	0.191	1462.7	494												
525	1.226	1.198	3.546	3.133	34.728	4.31	187	27.813	30.164	32.489	37.060	29.4	0.206	1463.3	543												
550	1.185	1.155	3.544	3.092	34.727	4.33	188	27.816	30.167	32.493	37.064	29.3	0.221	1464.0	592												
600	1.144	1.111	3.540	3.051	34.726	4.37	190	27.818	30.170	32.496	37.069	29.2	0.235	1464.6	642												
700	1.116	1.080	3.549	3.023	34.725	4.39	191	27.819	30.172	32.498	37.072	29.1	0.250	1465.3	691												
750	1.077	1.039	3.549	2.983	34.724	4.43	193	27.821	30.174	32.501	37.076	29.0	0.264	1465.9	740												
800	1.047	1.006	3.556	2.953	34.723	4.46	194	27.822	30.176	32.503	37.079	29.0	0.279	1466.6	790												
850	1.020	0.977	3.567	2.926	34.722	4.48	195	27.823	30.178	32.506	37.082	28.9	0.293	1467.3	839												
900	0.990	0.944	3.574	2.896	34.721	4.51	196	27.825	30.179	32.508	37.085	28.9	0.308	1468.0	888												
950	0.961	0.911	3.582	2.867	34.720	4.55	198	27.826	30.181	32.510	37.089	28.8	0.322	1468.7	938												
997	0.932	0.880	3.589	2.838	34.718	4.59	199	27.827	30.183	32.512	37.091	28.7	0.336	1469.4	984												

SHCRUS NP9405	STNM 98U	YR/MO/DA 94/10/10	GTIME 01:38	LATITUDE -68.232	LONGITUDE -161.387	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7	PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3	dyn.m	m/s	m													
11	-1.807	-1.808	0.078	0.070	34.203	6.27	273	27.533	29.932	32.304	36.967	54.2	0.006	1439.8	10												
20	-1.806	-1.806	0.086	0.071	34.203	6.27	273	27.533	29.932	32.304	36.967	54.1	0.011	1439.9	19												
30	-1.805	-1.805	0.095	0.072	34.203	6.27	272	27.533	29.932	32.304	36.967	54.0	0.016	1440.1	29												
40	-1.803	-1.804	0.104	0.074	34.203	6.26	272	27.534	29.932	32.304	36.967	54.0	0.022	1440.2	39												
50	-1.799	-1.800	0.115	0.078	34.204	6.26	272	27.534	29.933	32.305	36.968	53.8	0.027	1440.4	49												
60	-1.786	-1.787	0.136	0.091	34.207	6.24	271	27.536	29.934	32.306	36.969	53.6	0.032	1440.7	59												
70	-1.780	-1.781	0.150	0.097	34.208	6.22	270	27.537	29.935	32.307	36.969	53.5	0.038	1440.9	69												
80	-1.766	-1.767	0.172	0.111	34.212	6.19	269	27.539	29.938	32.309	36.971	53.2	0.043	1441.1	79												
90	-1.735	-1.737	0.210	0.143	34.219	6.14	267	27.545	29.942	32.313	36.974	52.6	0.048	1441.4	89												
100	-1.667	-1.669	0.287	0.211	34.234	6.06	263	27.554	29.951	32.320	36.979	51.7	0.054	1441.9	98												
125	-1.153	-1.156	0.824	0.730	34.310	5.77	251	27.600	29.988	32.350	36.992	47.4	0.066	1444.9	123												
150	-0.739	-0.744	1.260	1.147	34.373	5.50	239	27.635	30.017	32.371	37.001	44.2	0.077	1447.3	148												
175	-0.332	-0.338	1.690	1.558	34.434	5.22	227	27.666	30.041	32.389	37.006	41.4	0.088	1449.7	173												
200	0.252	0.244	2.298	2.147	34.522	4.85	211	27.707	30.073	32.412	37.011	37.8	0.098	1452.9	197												
225	0.614	0.605	2.682	2.513	34.586	4.61	200	27.737	30.098	32.431	37.020	35.2	0.107	1455.0	222												
250	1.026	1.014	3.116	2.928	34.652	4.38	191	27.765	30.119	32.446	37.023	33.0	0.116	1457.4	247												
275	1.214	1.200	3.325	3.118	34.687	4.28	186	27.780	30.131	32.456	37.027	31.7	0.124	1458.7	271												
300	1.352	1.337	3.484	3.258	34.717	4.23	184	27.795	30.144	32.467	37.034	30.5	0.132	1459.8	296												
325	1.369	1.352	3.520	3.274	34.724	4.22	183	27.800	30.149	32.471	37.037	30.1	0.139	1460.3	321												
350	1.355	1.337	3.525	3.262	34.727	4.23	184	27.802	30.152	32.474	37.041	30.0	0.147	1460.6	346												
375	1.339	1.320	3.528	3.246	34.727	4.23	184	27.804	30.154	32.476	37.044	29.9	0.154	1460.9	370												
400	1.327	1.307	3.535	3.234	34.727	4.24	184	27.805	30.155	32.478	37.045	29.8	0.162	1461.3	395												
425	1.312	1.291	3.539	3.219	34.727	4.25	185	27.806	30.156	32.480	37.048	29.8	0.169	1461.6	420												
450	1.292	1.269	3.537	3.199	34.728	4.26	185	27.808	30.158	32.482	37.051	29.7	0.176	1462.0	444												
475	1.278	1.254	3.542	3.185	34.728	4.27	186	27.809	30.160	32.483	37.052	29.7	0.184	1462.3	469												
500	1.258	1.233	3.542	3.165	34.727	4.28	186	27.811	30.161	32.485	37.055	29.6	0.191	1462.6	494												
550	1.215	1.188	3.536	3.122	34.727	4.31	187	27.813	30.165	32.489	37.060	29.4	0.206	1463.3	543												
600	1.185	1.155	3.543	3.092	34.727	4.33	188	27.815	30.167	32.492	37.064	29.3	0.221	1463.9	592												
650	1.145	1.112	3.541	3.052	34.725	4.37	190	27.817	30.170	32.495	37.068	29.2	0.235	1464.6	642												
700	1.119	1.083	3.552	3.025	34.725	4.39	191	27.819	30.171	32.498	37.071	29.2	0.250	1465.3	691												
750	1.079	1.041	3.550	2.985	34.723	4.43	193	27.820	30.174	32.501	37.076	29.1	0.265	1465.9	740												
800	1.047	1.006	3.556	2.953	34.722	4.46	194	27.822	30.176	32.503	37.079	29.0	0.279	1466.6	790												
850	1.023	0.979	3.569	2.929	34.721	4.48	195	27.823	30.177	32.505	37.082	29.0	0.294	1467.3	839												
900	0.995	0.949	3.579	2.901	34.721	4.51	196	27.824	30.179	32.507	37.085	28.9	0.308	1468.0	888												
950	0.962	0.913	3.5																								

Latitude 68 14 S  
Longitude 161 25 W

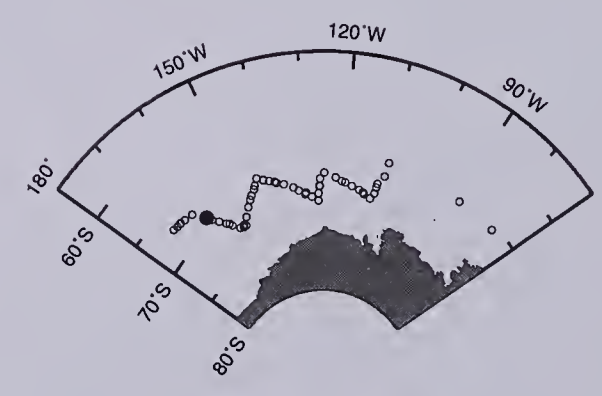
Salinity

NP9405 098

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 99D	YR/MO/DA 94/10/10	GTIME 01:41	LATITUDE -68.232	LONGITUDE -161.387	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7							
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OKYUP ml/l	OKYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m			
11	-1.808	-1.808	0.077	0.069	34.204	6.30	274	27.534	29.933	32.305	36.968	54.1	0.006	1439.8	10			
20	-1.805	-1.805	0.087	0.072	34.204	6.30	274	27.534	29.933	32.305	36.968	54.0	0.011	1439.9	19			
30	-1.803	-1.804	0.096	0.074	34.205	6.29	273	27.534	29.933	32.305	36.968	54.0	0.016	1440.1	29			
40	-1.804	-1.805	0.103	0.073	34.204	6.28	273	27.534	29.933	32.305	36.968	53.9	0.022	1440.2	39			
50	-1.803	-1.804	0.111	0.074	34.205	6.27	272	27.534	29.933	32.305	36.968	53.8	0.027	1440.4	49			
60	-1.796	-1.798	0.126	0.081	34.206	6.24	271	27.535	29.934	32.306	36.969	53.7	0.032	1440.6	59			
70	-1.789	-1.791	0.140	0.088	34.207	6.18	269	27.536	29.935	32.307	36.969	53.5	0.038	1440.8	69			
80	-1.755	-1.756	0.183	0.122	34.215	6.15	267	27.541	29.939	32.310	36.972	53.0	0.043	1441.1	79			
90	-1.740	-1.741	0.206	0.138	34.219	6.13	266	27.545	29.942	32.313	36.974	52.6	0.048	1441.4	89			
100	-1.659	-1.661	0.294	0.219	34.231	6.08	264	27.552	29.949	32.318	36.977	51.9	0.054	1441.9	98			
125	-1.137	-1.141	0.839	0.746	34.307	5.89	256	27.597	29.985	32.346	36.988	47.7	0.066	1444.9	123			
150	-0.730	-0.734	1.269	1.156	34.367	5.63	245	27.630	30.011	32.366	36.995	44.7	0.078	1447.3	148			
175	-0.310	-0.316	1.711	1.580	34.430	5.23	227	27.662	30.036	32.384	37.001	41.8	0.088	1449.8	173			
200	0.162	0.155	2.207	2.056	34.505	4.90	213	27.699	30.066	32.407	37.009	38.6	0.098	1452.5	197			
225	0.544	0.534	2.611	2.441	34.567	4.64	202	27.727	30.088	32.423	37.014	36.2	0.108	1454.7	222			
250	0.966	0.954	3.056	2.868	34.640	4.45	193	27.759	30.114	32.442	37.020	33.5	0.116	1457.1	247			
275	1.222	1.209	3.334	3.126	34.688	4.31	187	27.780	30.131	32.456	37.027	31.7	0.125	1458.7	271			
300	1.360	1.345	3.492	3.266	34.717	4.26	185	27.794	30.144	32.466	37.033	30.5	0.132	1459.8	296			
325	1.375	1.359	3.527	3.282	34.726	4.24	184	27.800	30.149	32.472	37.038	30.1	0.140	1460.3	321			
350	1.359	1.341	3.529	3.266	34.728	4.25	185	27.803	30.152	32.475	37.042	29.9	0.147	1460.6	346			
375	1.340	1.321	3.529	3.247	34.728	4.26	185	27.805	30.154	32.477	37.044	29.8	0.155	1460.9	370			
400	1.325	1.305	3.533	3.232	34.729	4.27	185	27.807	30.156	32.479	37.047	29.7	0.162	1461.3	395			
425	1.309	1.287	3.535	3.216	34.729	4.28	186	27.808	30.158	32.481	37.049	29.6	0.170	1461.6	420			
450	1.292	1.270	3.538	3.200	34.729	4.29	186	27.809	30.159	32.483	37.051	29.6	0.177	1462.0	444			
475	1.270	1.246	3.534	3.176	34.729	4.30	187	27.811	30.161	32.485	37.054	29.5	0.184	1462.3	469			
500	1.254	1.229	3.537	3.161	34.729	4.32	188	27.812	30.162	32.487	37.056	29.5	0.192	1462.6	494			
550	1.218	1.191	3.539	3.125	34.728	4.35	189	27.814	30.165	32.490	37.060	29.4	0.207	1463.3	543			
600	1.182	1.152	3.540	3.089	34.727	4.39	191	27.816	30.168	32.493	37.065	29.3	0.221	1463.9	592			
650	1.149	1.116	3.545	3.056	34.726	4.43	192	27.818	30.170	32.496	37.068	29.2	0.236	1464.6	642			
700	1.115	1.080	3.549	3.022	34.725	4.46	194	27.819	30.172	32.498	37.072	29.1	0.250	1465.3	691			
750	1.085	1.047	3.556	2.991	34.724	4.50	195	27.821	30.174	32.501	37.075	29.1	0.265	1466.0	740			
800	1.050	1.009	3.559	2.956	34.723	4.53	197	27.822	30.176	32.503	37.079	29.0	0.279	1466.6	790			
850	1.026	0.983	3.573	2.932	34.722	4.56	198	27.823	30.177	32.505	37.082	29.0	0.294	1467.4	839			
900	0.992	0.945	3.575	2.897	34.721	4.59	199	27.825	30.179	32.508	37.085	28.9	0.308	1468.0	888			
950	0.967	0.918	3.589	2.873	34.720	4.62	201	27.826	30.181	32.509	37.088	28.8	0.323	1468.7	938			
1000	0.939	0.887	3.598	2.845	34.719	4.65	202	27.827	30.182	32.512	37.091	28.8	0.337	1469.4	987			
1001	0.939	0.887	3.599	2.845	34.719	4.65	202	27.827	30.182	32.512	37.091	28.8	0.338	1469.5	988			

SHCRUS NP9405	STNM 99U	YR/MO/DA 94/10/10	GTIME 02:20	LATITUDE -68.230	LONGITUDE -161.363	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7							
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OKYUP ml/l	OKYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m			
11	-1.804	-1.804	0.081	0.073	34.203	6.30	274	27.533	29.932	32.304	36.967	54.2	0.006	1439.8	10			
20	-1.803	-1.803	0.089	0.074	34.203	6.30	274	27.533	29.932	32.304	36.967	54.1	0.011	1439.9	19			
30	-1.799	-1.800	0.100	0.078	34.204	6.29	273	27.534	29.932	32.304	36.967	54.0	0.016	1440.1	29			
40	-1.795	-1.796	0.112	0.082	34.204	6.28	273	27.534	29.933	32.304	36.967	53.9	0.022	1440.3	39			
50	-1.786	-1.786	0.129	0.091	34.207	6.27	272	27.535	29.934	32.306	36.968	53.7	0.027	1440.5	49			
60	-1.768	-1.770	0.154	0.109	34.211	6.24	271	27.539	29.937	32.308	36.971	53.3	0.032	1440.7	59			
70	-1.694	-1.695	0.237	0.184	34.228	6.18	269	27.550	29.947	32.317	36.977	52.2	0.038	1441.3	69			
80	-1.640	-1.642	0.299	0.239	34.236	6.15	267	27.556	29.952	32.321	36.979	51.7	0.043	1441.7	79			
90	-1.607	-1.609	0.339	0.272	34.242	6.13	266	27.559	29.955	32.324	36.981	51.3	0.048	1442.0	89			
100	-1.579	-1.582	0.375	0.301	34.254	6.08	264	27.568	29.963	32.332	36.987	50.4	0.053	1442.4	98			
125	-1.281	-1.284	0.694	0.601	34.293	5.89	256	27.591	29.981	32.344	36.991	48.2	0.065	1444.2	123			
150	-0.955	-0.959	1.042	0.930	34.343	5.63	245	27.619	30.004	32.362	36.999	45.6	0.077	1446.3	148			
175	-0.385	-0.391	1.636	1.505	34.431	5.23	227	27.667	30.043	32.392	37.010	41.3	0.088	1449.4	173			
200	0.227	0.219	2.272	2.122	34.516	4.90	213	27.704	30.070	32.410	37.010	38.1	0.098	1452.8	197			
225	0.616	0.606	2.683	2.514	34.580	4.64	202	27.733	30.093	32.427	37.016	35.6	0.107	1455.0	222			
250	0.979	0.968	3.069	2.881	34.643	4.45	193	27.760	30.115	32.443	37.021	33.3	0.116	1457.2	247			
275	1.220	1.207	3.332	3.124	34.687	4.31	187	27.780	30.131	32.455	37.026	31.8	0.124	1458.7	271			
300	1.361	1.347	3.493	3.268	34.716	4.26	185	27.794	30.143	32.465	37.032	30.6	0.132	1459.8	296			
325	1.375	1.359	3.527	3.282	34.725	4.24	184	27.800	30.149	32.471	37.037	30.1	0.139	1460.3	321			
350	1.360	1.342	3.530	3.267	34.727	4.25	185	27.802	30.151	32.474	37.041	30.0	0.147	1460.6	346			
375	1.346	1.327	3.535	3.253	34.727	4.26	185	27.804	30.153	32.476	37.043	29.9	0.154	1461.0	370			
400	1.331	1.311	3.538	3.238	34.728	4.27	185	27.806	30.155	32.478	37.046	29.8	0.162	1461.3	395			
425	1.311	1.290	3.538	3.218	34.728	4.28	186	27.807	30.157	32.480	37.048	29.7	0.169	1461.6	420			
450	1.295	1.272	3.541	3.202	34.728	4.29	186	27.808	30.158	32.482	37.050	29.7	0.177	1462.0	444			
475	1.273	1.249	3.537	3.180	34.728	4.30	187	27.810	30.160	32.484	37.053	29.6	0.184	1462.3	469			
500	1.251	1.226	3.534	3.158	34.728	4.32	188	27.811	30.162	32.486	37.056	29.5	0.191	1462.6	494			
550	1.219	1.192	3.540	3.126	34.727	4.35	189	27.813	30.165	32.489	37.060	29.4	0.206	1463.3	543			
600	1.180	1.149	3.538	3.087	34.727	4.39	191	27.816	30.168	32.493	37.065	29.3	0.221	1463.9	592			
650	1.149	1.116	3.545	3.056	34.726	4.43	192	27.817	30.169	32.495	37.068	29.2	0.235	1464.6	642			
700	1.116	1.080	3.550	3.023	34.725	4.46												

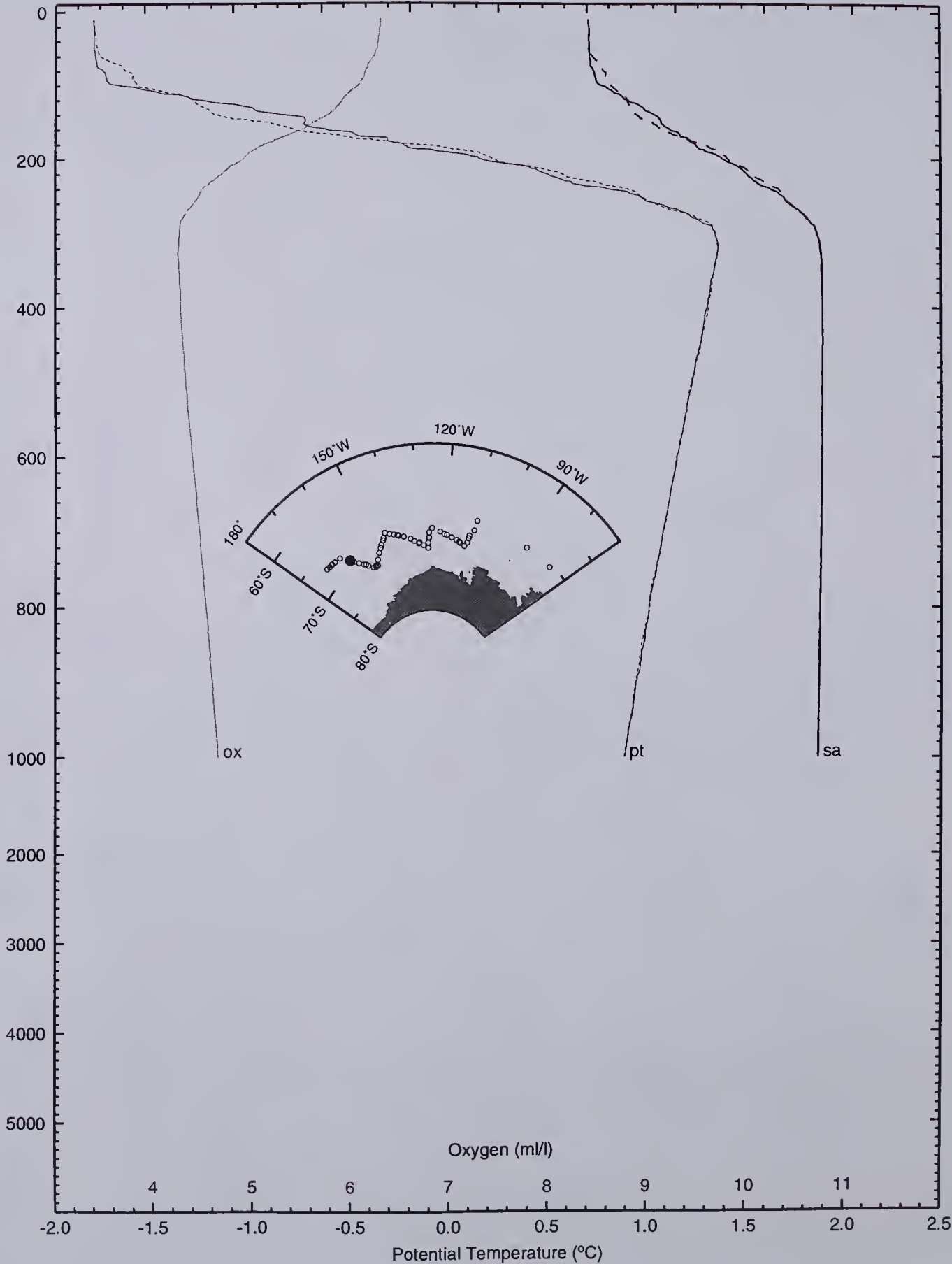
Latitude 68 14 S  
Longitude 161 23 W

Salinity

NP9405 099

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNN 100D	YR/MO/DA 94/10/10	GTIME 02:23	LATITUDE -68.230	LONGITUDE -161.363	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	m/1	um/kg	g/m3	g/m3	g/m3	g/m3		dynam	m/s	m		
11	-1.804	-1.804	0.081	0.073	34.204	6.36	276	27.534	29.933	32.305	36.968	54.1	0.006	1439.8	10		
20	-1.798	-1.799	0.094	0.079	34.205	6.36	276	27.534	29.933	32.305	36.968	54.0	0.011	1439.9	19		
30	-1.796	-1.796	0.104	0.081	34.205	6.36	276	27.535	29.933	32.305	36.968	53.9	0.016	1440.1	29		
40	-1.795	-1.796	0.111	0.082	34.205	6.35	276	27.535	29.933	32.305	36.968	53.9	0.022	1440.3	39		
50	-1.786	-1.787	0.128	0.091	34.207	6.34	276	27.536	29.934	32.306	36.969	53.7	0.027	1440.5	49		
60	-1.768	-1.769	0.154	0.109	34.211	6.31	274	27.539	29.937	32.308	36.970	53.4	0.032	1440.7	59		
70	-1.720	-1.722	0.210	0.157	34.221	6.27	273	27.546	29.943	32.314	36.974	52.6	0.038	1441.2	69		
80	-1.641	-1.642	0.298	0.238	34.236	6.21	270	27.556	29.952	32.321	36.979	51.7	0.043	1441.7	79		
90	-1.591	-1.593	0.356	0.288	34.246	6.17	268	27.562	29.958	32.326	36.982	51.0	0.048	1442.1	89		
100	-1.546	-1.548	0.409	0.333	34.253	6.16	268	27.567	29.961	32.329	36.984	50.5	0.053	1442.5	98		
125	-1.253	-1.256	0.723	0.629	34.294	6.00	261	27.590	29.980	32.343	36.989	48.3	0.065	1444.4	123		
150	-0.939	-0.943	1.058	0.945	34.339	5.67	246	27.615	30.000	32.358	36.994	46.0	0.077	1446.3	148		
175	-0.586	-0.591	1.433	1.301	34.389	5.39	234	27.641	30.020	32.373	36.997	43.6	0.089	1448.5	173		
200	0.052	0.044	2.095	1.945	34.484	5.11	222	27.687	30.056	32.399	37.004	39.6	0.099	1451.9	197		
225	0.441	0.432	2.507	2.337	34.545	4.70	204	27.715	30.078	32.414	37.008	37.2	0.108	1454.2	222		
250	0.828	0.817	2.916	2.728	34.611	4.43	192	27.745	30.102	32.432	37.015	34.7	0.117	1456.5	247		
275	1.063	1.050	3.172	2.966	34.656	4.30	187	27.766	30.119	32.446	37.021	32.9	0.126	1458.0	271		
300	1.329	1.314	3.461	3.234	34.707	4.27	186	27.788	30.138	32.461	37.028	31.1	0.134	1459.6	296		
325	1.380	1.364	3.531	3.286	34.724	4.27	186	27.798	30.147	32.469	37.035	30.3	0.141	1460.3	321		
350	1.373	1.355	3.543	3.280	34.728	4.28	186	27.802	30.151	32.473	37.040	30.0	0.149	1460.7	346		
375	1.351	1.332	3.540	3.258	34.729	4.29	186	27.805	30.154	32.477	37.044	29.8	0.156	1461.0	370		
400	1.329	1.309	3.537	3.236	34.729	4.30	187	27.807	30.156	32.479	37.047	29.7	0.164	1461.3	395		
425	1.314	1.292	3.541	3.221	34.729	4.31	187	27.808	30.158	32.481	37.049	29.7	0.171	1461.7	420		
450	1.295	1.272	3.540	3.202	34.730	4.32	188	27.810	30.160	32.483	37.052	29.6	0.179	1462.0	444		
475	1.269	1.245	3.533	3.176	34.729	4.34	188	27.811	30.162	32.486	37.055	29.5	0.186	1462.3	469		
500	1.247	1.222	3.530	3.154	34.729	4.35	189	27.813	30.163	32.488	37.058	29.4	0.193	1462.6	494		
550	1.209	1.181	3.530	3.116	34.728	4.38	190	27.815	30.166	32.491	37.062	29.3	0.208	1463.2	543		
600	1.182	1.152	3.540	3.089	34.727	4.42	192	27.816	30.168	32.493	37.065	29.2	0.223	1463.9	592		
650	1.144	1.111	3.540	3.051	34.726	4.45	193	27.818	30.170	32.496	37.069	29.2	0.237	1464.6	642		
700	1.109	1.074	3.543	3.016	34.725	4.48	195	27.820	30.173	32.499	37.073	29.1	0.252	1465.3	691		
750	1.079	1.041	3.550	2.985	34.724	4.51	196	27.821	30.174	32.501	37.076	29.0	0.266	1465.9	740		
800	1.050	1.010	3.559	2.956	34.723	4.54	197	27.823	30.176	32.504	37.079	29.0	0.281	1466.6	790		
850	1.020	0.976	3.566	2.926	34.722	4.58	199	27.824	30.178	32.506	37.083	28.9	0.295	1467.3	839		
900	0.991	0.945	3.575	2.897	34.721	4.61	200	27.825	30.180	32.508	37.086	28.8	0.310	1468.0	888		
950	0.959	0.909	3.580	2.865	34.720	4.64	202	27.826	30.181	32.510	37.089	28.8	0.324	1468.7	938		
1000	0.924	0.872	3.583	2.830	34.718	4.67	203	27.828	30.183	32.513	37.092	28.7	0.339	1469.4	987		
1002	0.924	0.872	3.585	2.830	34.718	4.68	203	27.828	30.183	32.513	37.092	28.7	0.339	1469.4	989		

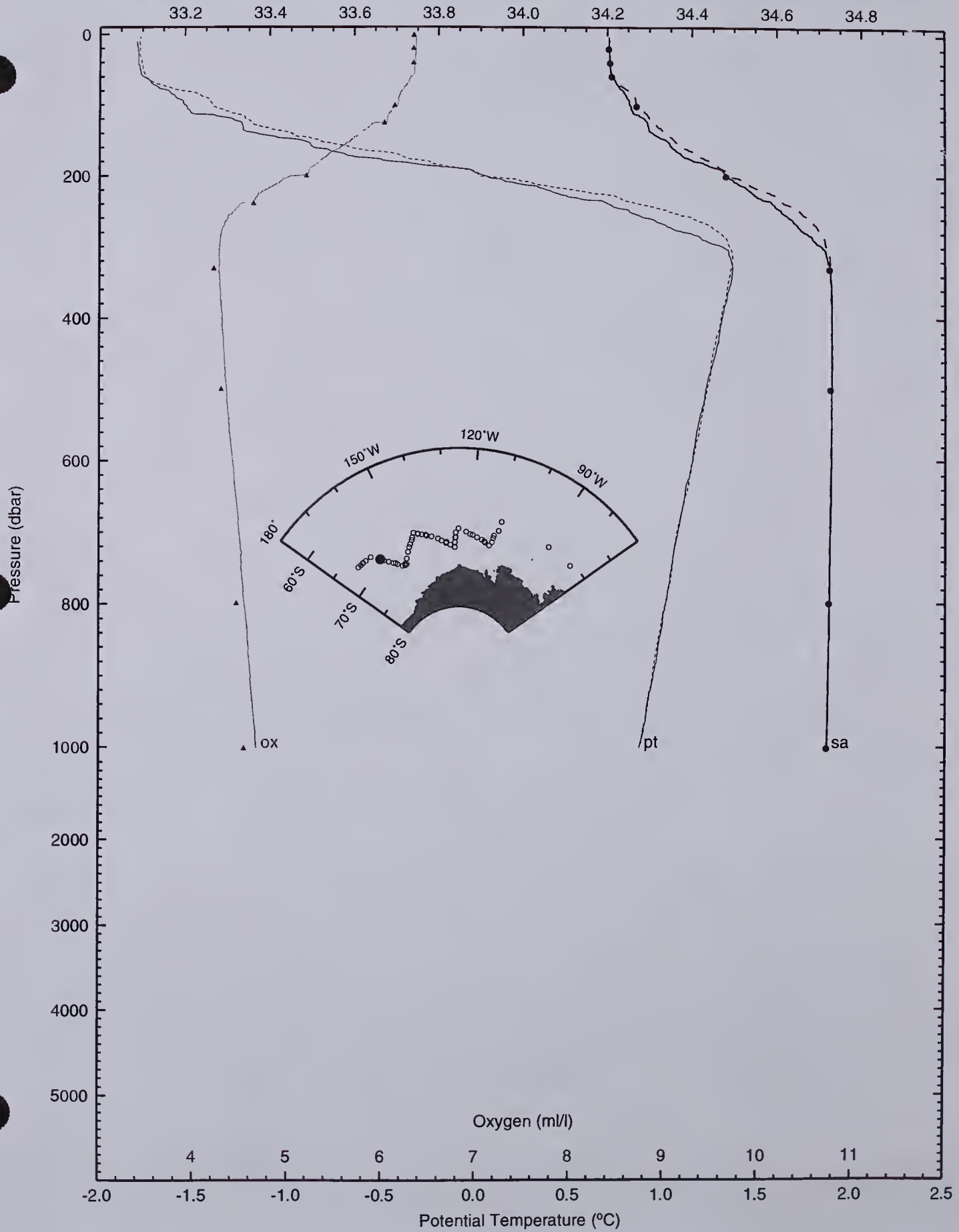
SHCRUS NP9405	STNN 100U	YR/MO/DA 94/10/10	GTIME 03:15	LATITUDE -68.230	LONGITUDE -161.338	DPTH	HT	BARO 992	WND 285	WNS 14	AIRTM -0.7						
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	P04	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH		
dbar	degC	pss	pss	m/1	um/kg	um/kg	um/kg	um/kg	um/kg	uamt	pM/kg	pM/kg	pM/kg		m		
2	-1.782	34.204		6.33	277	73.4	2.09	29.9	2208	532				24	2		
21	-1.787	34.205	34.203	6.33	276	73.5	2.12	30.1						21	20		
41	-1.772	34.207	34.206	6.33	276	73.7	2.09	30.1	2209	533				19	41		
60	-1.761	34.209	34.210		274	73.6	2.08	30.1	2210	538				18	59		
102	-1.401	34.268	34.269	6.13	267	75.3	2.11	30.4	2215	542				16	101		
126	-1.208	34.305		6.02	256	76.5	2.12	30.6	2219	551				13	125		
201	-0.008	34.480	34.480	5.19	219	84.8	2.19	31.5	2201	580				11	199		
240	0.859	34.617		4.63	195	91.6	2.21	32.1	2245	603				10	237		
331	1.373	34.726	34.724	4.21	186	102.1	2.23	32.5	2260	610				7	327		
500	1.255	34.728	34.726	4.29	189	107.1	2.23	32.4	2262	606				5	495		
800	1.054	34.723	34.722	4.46	197	113.2	2.26	32.1	2260	588				4	790		
1002	0.926	34.718	34.717	4.54	204	117.0	2.26	32.1	2260	583				1	990		

PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	m/1	um/kg	g/m3	g/m3	g/m3	g/m3		dynam	m/s	m		
4	-1.784	-1.784	0.096	0.093	34.204	6.37	277	27.533	29.932	32.303	36.966	54.2	0.002	1439.8	3		
10	-1.789	-1.789	0.096	0.088	34.205	6.36	276	27.534	29.933	32.304	36.967	54.1	0.005	1439.8	9		
20	-1.789	-1.789	0.103	0.088	34.205	6.36	276	27.534	29.933	32.304	36.967	54.1	0.011	1440.0	19		
30	-1.788	-1.789	0.111	0.089	34.205	6.36	276	27.534	29.933	32.304	36.967	54.0	0.016	1440.2	29		
40	-1.777	-1.778	0.130	0.100	34.206	6.35	276	27.535	29.934	32.305	36.967	53.8	0.022	1440.4	39		
50	-1.772	-1.773	0.143	0.105	34.207	6.34	276	27.536	29.934	32.305	36.968	53.7	0.027	1440.6	49		
60	-1.756	-1.758	0.166	0.121	34.211	6.31	274	27.538	29.936	32.308	36.969	53.4	0.032	1440.8	59		
70	-1.694	-1.695	0.237	0.184	34.225	6.27	273	27.548	29.945	32.315	36.975	52.4	0.038	1441.3	69		
80	-1.556	-1.557	0.384	0.323	34.250	6.21	270	27.564	29.959	32.327	36.982	50.9	0.043	1442.1	79		
90	-1.437	-1.439	0.511	0.443	34.264	6.17	268	27.573	29.965	32.331	36.983	50.1	0.048	1442.9	89		
100	-1.402	-1.404	0.554	0.478	34.269	6.16	268	27.575	29.967	32.332	36.983	49.8	0.053	1443.2	98		
125	-1.195	-1.198	0.782	0.688	34.308	6.00	261	27.599	29.988	32.350	36.994	47.4	0.065	1444.7	123		
150	-0.840	-0.844	1.159	1.046	34.358	5.67	246	27.627	30.010	32.366	36.999	44.9	0.077	1446.8	148		
175	-0.371	-0.377	1.650	1.518	34.427	5.39	234	27.662	30.038	32.387	37.005	41.7	0.087	1449.5	173		
200	0.031	0.024	2.075	1.924	34.488	5.11	222	27.692	30.061	32.404	37.010	39.1	0.097	1451.8	197		
225	0.653	0.643	2.721	2.552	34.588	4.70	204	27.737	30.097	32.430	37.017	35.3	0.107	1455.2	222		
250	1.042	1.030	3.133	2.945	34.655	4.43	192	27.766	30.120	32.447	37.023	32.8	0.115	1457.5	247		
275	1.283	1.269	3.395	3.188	34.698	4.30	187	27.785	30.135	32.458	37.027	31.3	0.123	1459.0	271		
300	1.364	1.349	3.496	3.270	34.717	4.27	186	27.794	30.143	32.465	37.032	30.6	0.131	1459.8	296		
325	1.377																

Latitude 68 14 S  
Longitude 161 22 W

Salinity

NP9405 100



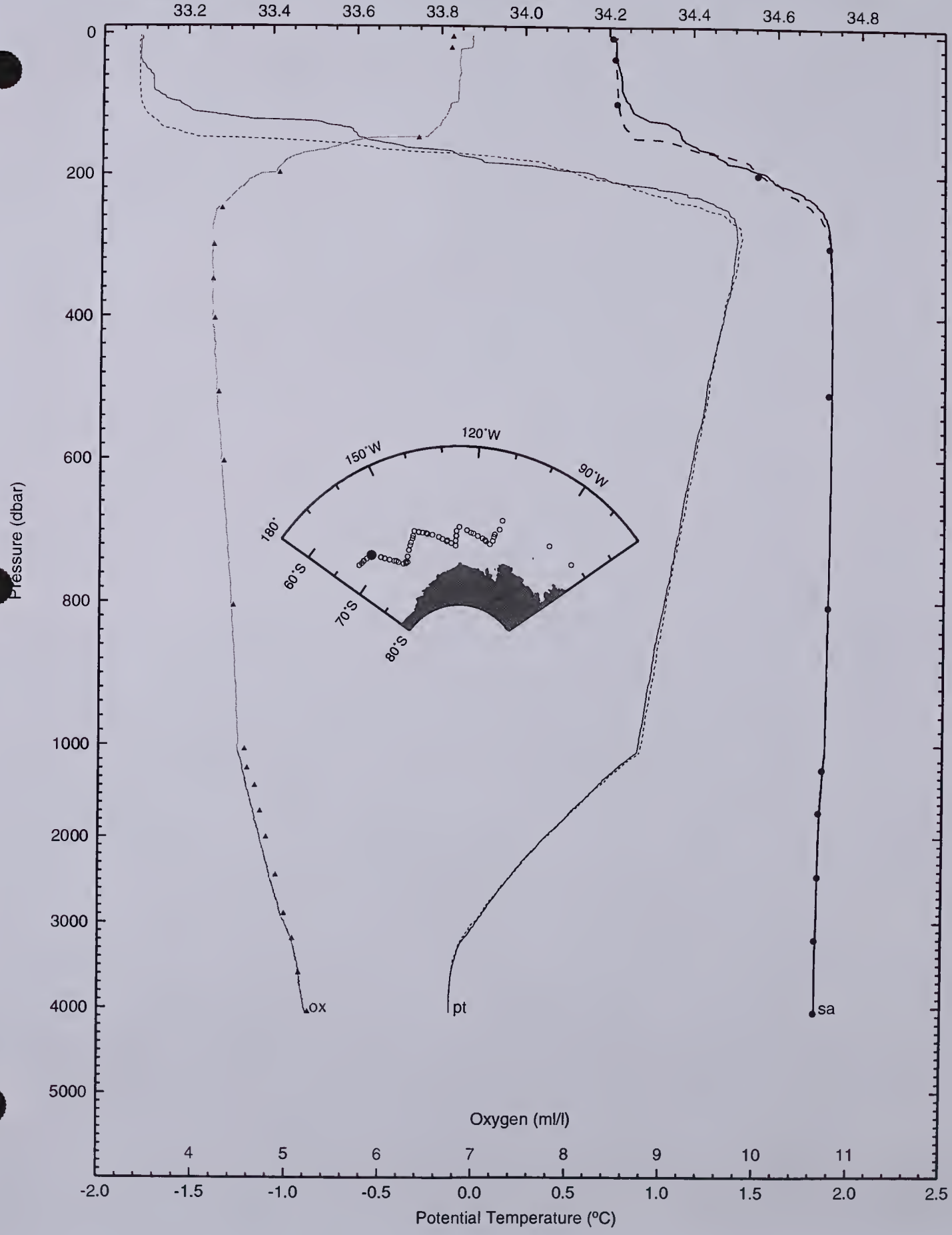
SHCRUS NP9405	STNM 101D	YR/MO/DA 94/10/10	GTIME 21:43	LATITUDE -67.047	LONGITUDE -164.030	DPTH 3985	HT 5	BARO 983	WND 345	WNS 11	AIRTM 0.1					
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/i	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m	
5	-1.795	-1.795	0.086	0.082	34.215	6.9	301	27.542	29.941	32.313	36.975	53.4	0.003	1439.7	4	
10	-1.797	-1.798	0.087	0.080	34.214	6.94	301	27.542	29.941	32.312	36.975	53.4	0.005	1439.8	9	
20	-1.803	-1.804	0.089	0.074	34.216	6.92	301	27.544	29.943	32.315	36.978	53.1	0.011	1439.9	19	
30	-1.805	-1.805	0.095	0.072	34.216	6.80	296	27.544	29.943	32.315	36.978	53.0	0.016	1440.1	29	
40	-1.798	-1.798	0.110	0.080	34.219	6.79	295	27.546	29.944	32.316	36.979	52.8	0.021	1440.3	39	
50	-1.774	-1.775	0.142	0.104	34.223	6.80	296	27.549	29.947	32.318	36.981	52.5	0.027	1440.6	49	
60	-1.739	-1.740	0.185	0.139	34.228	6.80	296	27.552	29.950	32.320	36.981	52.1	0.032	1440.9	59	
70	-1.733	-1.734	0.198	0.145	34.229	6.79	295	27.553	29.950	32.321	36.982	52.0	0.037	1441.1	69	
80	-1.731	-1.732	0.208	0.147	34.230	6.79	295	27.553	29.951	32.321	36.982	51.9	0.042	1441.3	79	
90	-1.678	-1.680	0.268	0.201	34.237	6.79	195	27.557	29.954	32.324	36.983	51.4	0.047	1441.7	89	
100	-1.589	-1.591	0.365	0.290	34.248	6.73	273	27.564	29.959	32.327	36.984	50.8	0.052	1442.3	98	
125	-1.018	-1.022	0.959	0.865	34.317	6.62	288	27.601	29.987	32.346	36.984	47.4	0.065	1445.5	123	
150	-0.611	-0.616	1.389	1.276	34.377	6.00	261	27.632	30.012	32.365	36.990	44.5	0.076	1447.9	148	
175	-0.669	-0.675	1.954	1.822	34.461	5.05	220	27.675	30.046	32.390	36.999	40.7	0.087	1450.9	173	
200	0.624	0.616	2.673	2.522	34.576	4.75	206	27.729	30.089	32.423	37.011	36.0	0.096	1454.7	197	
225	1.103	1.093	3.175	3.006	34.657	4.43	193	27.764	30.117	32.443	37.017	33.0	0.105	1457.3	222	
250	1.346	1.334	3.440	3.251	34.706	4.23	184	27.786	30.136	32.458	37.025	31.1	0.113	1458.9	247	
275	1.394	1.380	3.507	3.300	34.721	4.17	181	27.795	30.144	32.466	37.031	30.4	0.121	1459.5	271	
300	1.395	1.381	3.528	3.303	34.725	4.17	181	27.798	30.147	32.469	37.034	30.2	0.128	1460.0	296	
325	1.384	1.368	3.535	3.291	34.727	4.17	181	27.801	30.149	32.472	37.037	30.1	0.136	1460.3	321	
350	1.373	1.356	3.544	3.280	34.728	4.18	182	27.802	30.151	32.474	37.040	30.0	0.143	1460.7	346	
375	1.353	1.335	3.542	3.260	34.729	4.17	181	27.804	30.154	32.476	37.043	29.9	0.151	1461.0	370	
400	1.333	1.313	3.541	3.240	34.729	4.18	181	27.806	30.156	32.479	37.046	29.8	0.158	1461.3	395	
425	1.311	1.290	3.538	3.218	34.729	4.20	182	27.808	30.158	32.481	37.049	29.7	0.166	1461.6	420	
450	1.289	1.267	3.535	3.196	34.729	4.20	183	27.809	30.160	32.483	37.052	29.6	0.173	1462.0	444	
475	1.272	1.248	3.536	3.179	34.729	4.22	183	27.811	30.161	32.485	37.054	29.5	0.181	1462.3	469	
500	1.250	1.225	3.533	3.157	34.728	4.23	184	27.812	30.163	32.487	37.057	29.4	0.188	1462.6	494	
550	1.222	1.194	3.543	3.129	34.728	4.25	185	27.814	30.165	32.489	37.060	29.4	0.203	1463.3	543	
600	1.181	1.151	3.539	3.088	34.727	4.28	186	27.816	30.168	32.493	37.065	29.3	0.217	1463.9	592	
650	1.143	1.110	3.539	3.050	34.726	4.31	187	27.818	30.170	32.496	37.069	29.2	0.232	1464.6	642	
700	1.114	1.079	3.548	3.021	34.725	4.34	189	27.819	30.172	32.498	37.072	29.1	0.246	1465.3	691	
750	1.077	1.039	3.548	2.983	34.724	4.37	190	27.821	30.174	32.501	37.076	29.0	0.261	1465.9	740	
800	1.045	1.004	3.553	2.951	34.723	4.39	191	27.822	30.176	32.504	37.080	29.0	0.276	1466.6	790	
850	1.006	0.963	3.553	2.912	34.721	4.42	192	27.824	30.178	32.506	37.083	28.9	0.290	1467.3	839	
900	0.979	0.933	3.563	2.885	34.720	4.44	193	27.825	30.180	32.508	37.086	28.8	0.304	1468.0	888	
950	0.950	0.901	3.571	2.856	34.719	4.46	194	27.826	30.182	32.510	37.089	28.8	0.319	1468.7	938	
1000	0.921	0.869	3.580	2.827	34.718	4.47	194	27.827	30.183	32.513	37.092	28.7	0.333	1469.4	987	
1100	0.864	0.806	3.598	2.770	34.716	4.50	196	27.830	30.186	32.517	37.098	28.5	0.362	1470.8	1085	
1200	0.815	0.751	3.624	2.720	34.714	4.52	197	27.831	30.189	32.520	37.103	28.4	0.390	1472.2	1184	
1300	0.768	0.699	3.652	2.674	34.712	4.55	198	27.833	30.192	32.524	37.108	28.2	0.419	1473.6	1282	
1400	0.728	0.653	3.688	2.634	34.711	4.56	198	27.835	30.194	32.527	37.113	28.1	0.447	1475.1	1381	
1500	0.692	0.611	3.727	2.598	34.709	4.60	200	27.837	30.196	32.529	37.117	28.0	0.475	1476.6	1479	
1600	0.648	0.561	3.758	2.554	34.708	4.62	201	27.838	30.199	32.533	37.122	27.8	0.503	1478.1	1577	
1700	0.607	0.513	3.792	2.512	34.707	4.64	202	27.840	30.202	32.536	37.126	27.6	0.530	1479.6	1675	
1800	0.574	0.474	3.835	2.479	34.706	4.66	202	27.842	30.204	32.539	37.130	27.4	0.558	1481.1	1774	
1900	0.536	0.429	3.872	2.441	34.705	4.70	204	27.844	30.207	32.543	37.135	27.2	0.585	1482.6	1872	
2000	0.490	0.377	3.902	2.395	34.704	4.72	205	27.847	30.210	32.546	37.140	26.8	0.612	1484.1	1970	
2100	0.458	0.337	3.944	2.362	34.704	4.74	206	27.849	30.212	32.550	37.145	26.6	0.639	1485.6	2068	
2200	0.421	0.294	3.983	2.326	34.704	4.76	207	27.851	30.215	32.553	37.149	26.3	0.665	1487.2	2166	
2300	0.387	0.253	4.024	2.292	34.703	4.79	208	27.853	30.218	32.556	37.154	26.0	0.691	1488.7	2264	
2400	0.357	0.215	4.069	2.262	34.703	4.81	209	27.855	30.220	32.559	37.158	25.7	0.717	1490.3	2362	
2500	0.329	0.179	4.116	2.234	34.703	4.83	210	27.856	30.223	32.562	37.162	25.4	0.743	1491.8	2460	
2600	0.298	0.141	4.161	2.203	34.702	4.86	211	27.858	30.225	32.565	37.166	25.1	0.768	1493.4	2558	
2700	0.276	0.112	4.214	2.181	34.702	4.89	212	27.860	30.227	32.567	37.169	24.9	0.793	1495.0	2655	
2800	0.248	0.076	4.261	2.153	34.702	4.92	214	27.861	30.229	32.570	37.173	24.6	0.818	1496.6	2753	
2900	0.227	0.047	4.316	2.132	34.702	4.94	215	27.863	30.231	32.572	37.176	24.4	0.842	1498.2	2851	
3000	0.201	0.013	4.365	2.106	34.701	4.99	217	27.864	30.233	32.575	37.179	24.1	0.867	1499.8	2948	
3200	0.152	-0.052	4.467	2.057	34.700	5.06	220	27.867	30.237	32.579	37.186	23.5	0.914	1503.0	3144	
3400	0.129	-0.093	4.594	2.034	34.699	5.10	222	27.868	30.239	32.582	37.190	23.3	0.961	1506.3	3339	
3600	0.125	-0.116	4.741	2.030	34.699	5.14	223	27.869	30.240	32.584	37.192	23.2	1.008	1509.7	3534	
3800	0.137	-0.123	4.904	2.042	34.699	5.16	224	27.870	30.240	32.584	37.193	23.4	1.054	1513.3	3728	
4000	0.155	-0.126	5.072	2.060	34.699	5.19	226	27.870	30.241	32.585	37.193	23.6	1.101	1516.8	3923	
4057	0.162	-0.125	5.121	2.067	34.699	5.21	226	27.870	30.240	32.584	37.193	23.7	1.115	1517.8	3978	

SHCRUS NP9405	STNM 101U	YR/MO/DA 94/10/11	GTIME 01:22	LATITUDE -67.093	LONGITUDE -163.935	DPTH 3985	HT 5	BARO 983	WND 345	WNS 11	AIRTM 0.1					
PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	PO4 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	F11 pM/kg	F12 pM/kg	F113 pM/kg	BN	DPTH m	
6	-1.815	34.217	34.208	6.72	301	71.3	2.01	29.4	2206	519	5.11	2.56	0.50	24	6	
22	-1.811	34.215		6.71	298	71.1	2.00	29.4	2206	518	5.10	2.55	0.49	23	22	
36	-1.810	34.215	34.213		296	70.8	2.04	29.5	2206	517				22	36	
68	-1.808	34.218			295	70.1	2.04	29.6						21	67	
100	-1.798	34.221	34.218		292	70.5	2.02	29.6	2205	515	5.11	2.58	0.50	20	99	
150	-1.460	34.263		6.36	253	72.6	2.05	30.1	2213	535	4.56	2.30	0.44	19	148	
200	0.452	34.550	34.552	4.88	205	85.5	2.20	32.2	2244	602	1.72	0.85	0.16	18	198	
250	1.221	34.680		4.27	184	93.3	2.25	32.8	2256	622	0.66	0.30	0.05	17	247	
302	1.410	34.724	34.722	4.19	181	96.8	2.18	32.7	2260	611						

Latitude 67 03 S  
Longitude 164 02 W

Salinity

NP9405 101





SHCRUS NP9405	STNM 102D	YR/MO/DA 94/10/11	GTIME 14:01	LATITUDE -66.985	LONGITUDE -166.568	DPTH 3470	HT 10	BARO 984	WND 253	WNS 16	AIRTM .5						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
6	-1.727	-1.727	0.156	0.151	34.234	6.37	277	27.557	29.954	32.325	36.985	52.0	0.003	1440.1	5		
10	-1.723	-1.723	0.163	0.156	34.236	6.37	277	27.558	29.955	32.326	36.986	51.9	0.005	1440.2	9		
20	-1.706	-1.706	0.188	0.173	34.240	6.37	277	27.561	29.958	32.328	36.988	51.5	0.010	1440.4	19		
30	-1.693	-1.694	0.208	0.186	34.241	6.36	277	27.561	29.958	32.328	36.988	51.4	0.016	1440.7	29		
40	-1.693	-1.694	0.216	0.186	34.242	6.35	276	27.561	29.958	32.328	36.988	51.3	0.021	1440.8	39		
50	-1.693	-1.694	0.224	0.186	34.242	6.37	277	27.562	29.959	32.329	36.988	51.3	0.026	1441.0	49		
60	-1.698	-1.700	0.226	0.181	34.242	6.32	275	27.562	29.959	32.329	36.989	51.2	0.031	1441.1	59		
70	-1.703	-1.704	0.229	0.176	34.242	6.32	275	27.562	29.960	32.330	36.989	51.1	0.036	1441.3	69		
80	-1.663	-1.665	0.276	0.216	34.249	6.31	274	27.566	29.963	32.332	36.991	50.6	0.041	1441.6	79		
90	-1.603	-1.604	0.345	0.277	34.258	6.29	273	27.572	29.968	32.336	36.993	50.0	0.046	1442.1	89		
100	-1.587	-1.589	0.369	0.293	34.263	6.26	272	27.576	29.971	32.339	36.995	49.6	0.051	1442.3	98		
125	-1.039	-1.043	0.939	0.845	34.329	5.98	260	27.611	29.998	32.357	36.996	46.4	0.063	1445.4	123		
150	-0.539	-0.544	1.461	1.349	34.397	5.68	247	27.645	30.024	32.375	36.999	43.3	0.074	1448.3	148		
175	0.144	0.137	2.169	2.038	34.498	5.25	228	27.694	30.061	32.402	37.005	39.0	0.085	1452.0	173		
200	0.525	0.517	2.573	2.422	34.558	4.89	213	27.721	30.082	32.417	37.009	36.7	0.094	1454.2	197		
225	0.730	0.720	2.798	2.629	34.595	4.67	203	27.738	30.097	32.429	37.014	35.2	0.103	1455.6	222		
250	0.961	0.949	3.050	2.861	34.634	4.54	197	27.755	30.110	32.439	37.017	33.8	0.112	1457.1	247		
275	1.324	1.310	3.436	3.229	34.703	4.43	192	27.785	30.135	32.458	37.025	31.3	0.120	1459.2	271		
300	1.363	1.348	3.494	3.268	34.715	4.37	190	27.792	30.141	32.464	37.030	30.8	0.128	1459.8	296		
325	1.367	1.351	3.518	3.273	34.720	4.34	188	27.796	30.145	32.467	37.034	30.5	0.135	1460.2	321		
350	1.363	1.345	3.532	3.269	34.721	4.34	189	27.797	30.147	32.469	37.036	30.4	0.143	1460.6	346		
375	1.344	1.325	3.533	3.250	34.723	4.34	189	27.801	30.150	32.473	37.040	30.2	0.150	1461.0	370		
400	1.323	1.303	3.530	3.229	34.724	4.34	189	27.803	30.153	32.476	37.043	30.0	0.158	1461.3	395		
425	1.300	1.279	3.527	3.207	34.725	4.35	189	27.805	30.155	32.479	37.047	29.9	0.165	1461.6	420		
450	1.282	1.260	3.528	3.189	34.725	4.35	189	27.807	30.157	32.481	37.050	29.8	0.173	1461.9	444		
475	1.255	1.232	3.520	3.162	34.725	4.37	190	27.809	30.159	32.483	37.053	29.7	0.180	1462.2	469		
500	1.234	1.208	3.517	3.141	34.725	4.38	190	27.810	30.161	32.485	37.056	29.6	0.188	1462.5	494		
550	1.193	1.166	3.514	3.100	34.725	4.41	191	27.813	30.165	32.490	37.061	29.4	0.203	1463.2	543		
600	1.163	1.133	3.522	3.069	34.724	4.41	192	27.815	30.167	32.492	37.065	29.3	0.217	1463.8	592		
650	1.129	1.096	3.525	3.035	34.724	4.43	193	27.817	30.170	32.496	37.069	29.2	0.232	1464.5	642		
700	1.102	1.067	3.536	3.008	34.723	4.46	194	27.818	30.171	32.498	37.072	29.2	0.246	1465.2	691		
750	1.085	1.047	3.556	2.991	34.723	4.48	195	27.819	30.173	32.499	37.074	29.2	0.261	1466.0	740		
800	1.051	1.010	3.560	2.957	34.721	4.50	196	27.821	30.175	32.502	37.078	29.1	0.276	1466.6	790		
850	1.018	0.974	3.564	2.924	34.721	4.52	196	27.822	30.177	32.505	37.082	29.0	0.290	1467.3	839		
900	0.996	0.949	3.579	2.901	34.720	4.54	197	27.823	30.178	32.506	37.084	29.0	0.305	1468.0	888		
950	0.959	0.909	3.580	2.865	34.718	4.56	198	27.825	30.180	32.509	37.088	28.9	0.319	1468.7	938		
1000	0.924	0.872	3.583	2.830	34.717	4.58	199	27.826	30.182	32.512	37.091	28.8	0.334	1469.4	987		
1100	0.850	0.793	3.584	2.756	34.714	4.62	201	27.829	30.186	32.517	37.099	28.5	0.362	1470.7	1085		
1200	0.804	0.741	3.614	2.710	34.713	4.64	202	27.831	30.189	32.520	37.104	28.4	0.391	1472.1	1184		
1300	0.751	0.682	3.636	2.657	34.711	4.67	203	27.833	30.192	32.524	37.109	28.2	0.419	1473.6	1282		
1400	0.709	0.634	3.669	2.615	34.709	4.69	204	27.835	30.194	32.527	37.114	28.1	0.447	1475.0	1381		
1500	0.656	0.575	3.691	2.561	34.707	4.72	205	27.837	30.197	32.531	37.119	27.8	0.475	1476.5	1479		
1600	0.613	0.525	3.723	2.518	34.706	4.75	206	27.839	30.200	32.534	37.124	27.6	0.503	1477.9	1577		
1700	0.560	0.467	3.746	2.465	34.704	4.77	207	27.841	30.203	32.538	37.130	27.3	0.530	1479.4	1675		
1800	0.529	0.430	3.790	2.434	34.704	4.78	208	27.843	30.205	32.541	37.134	27.1	0.557	1480.9	1774		
1900	0.482	0.376	3.818	2.387	34.703	4.80	209	27.846	30.209	32.545	37.139	26.8	0.584	1482.4	1872		
2000	0.453	0.340	3.864	2.358	34.703	4.82	209	27.848	30.211	32.548	37.143	26.5	0.611	1483.9	1970		
2100	0.415	0.296	3.902	2.320	34.703	4.84	210	27.850	30.214	32.552	37.148	26.2	0.637	1485.4	2068		
2200	0.375	0.248	3.936	2.280	34.702	4.87	211	27.852	30.218	32.556	37.154	25.8	0.663	1487.0	2166		
2300	0.326	0.193	3.963	2.231	34.702	4.90	213	27.855	30.221	32.560	37.159	25.4	0.689	1488.4	2264		
2400	0.294	0.153	4.006	2.199	34.701	4.92	214	27.857	30.223	32.563	37.164	25.1	0.714	1490.0	2362		
2500	0.250	0.103	4.038	2.155	34.701	4.95	215	27.859	30.226	32.567	37.169	24.7	0.739	1491.5	2460		
2600	0.228	0.073	4.091	2.133	34.700	4.98	217	27.860	30.228	32.569	37.172	24.4	0.764	1493.1	2558		
2700	0.196	0.033	4.134	2.101	34.700	5.02	218	27.862	30.230	32.572	37.176	24.1	0.788	1494.6	2655		
2800	0.165	-0.005	4.179	2.070	34.699	5.07	220	27.864	30.233	32.575	37.180	23.8	0.812	1496.2	2753		
2900	0.140	-0.038	4.228	2.045	34.698	5.09	221	27.865	30.234	32.577	37.183	23.5	0.835	1497.8	2851		
3000	0.125	-0.061	4.289	2.030	34.698	5.13	223	27.866	30.236	32.579	37.185	23.3	0.859	1499.4	2949		
3200	0.118	-0.086	4.432	2.023	34.698	5.17	225	27.867	30.237	32.580	37.188	23.2	0.905	1502.8	3144		
3400	0.130	-0.092	4.595	2.035	34.698	5.22	227	27.867	30.238	32.581	37.189	23.4	0.952	1506.3	3339		
3522	0.139	-0.095	4.696	2.044	34.698	5.23	227	27.868	30.238	32.581	37.189	23.5	0.981	1508.5	3458		

SHCRUS NP9405	STNM 102U	YR/MO/DA 94/10/11	GTIME 17:06	LATITUDE -66.967	LONGITUDE -166.544	DPTH 3470	HT 10	BARO 984	WND 253	WNS 16	AIRTM .5						
PRES dbar	TEMPCTD degC	SALCTD pss	SALBOT pss	OXBOT ml/l	OXCTD um/kg	SI03 um/kg	P04 um/kg	NO3 um/kg	TCO2 um/kg	PCO2 uatm	P11 pM/kg	F12 pM/kg	F113 pM/kg	BN	DPTH m		
3	-1.711	34.236	34.234	6.20	278	77.3	2.06	30.5	2206					1	3		
21	-1.716	34.237		6.20	277	76.5	2.04	30.4	2212	534				24	21		
40	-1.717	34.237	34.235	6.22	276	76.5	2.07	30.1	2213	541				23	39		
61	-1.808	34.218		6.22	274	76.5	2.06	30.4	2212	538				22	60		
108	-1.649	34.256	34.254	6.22	269	76.7	2.07	30.5	2213	540				21	107		
151	-1.184	34.327		5.78	243	80.1	2.11	31.0	2224	553				20	149		
194	0.081	34.490	34.508	5.05	217	85.7	2.16	31.6	2238	583				19	192		
241	0.846	34.613		4.62	200	90.0	2.21	32.0	2247	592				18	239		
299	1.298	34.698	34.696	4.49	190	9											

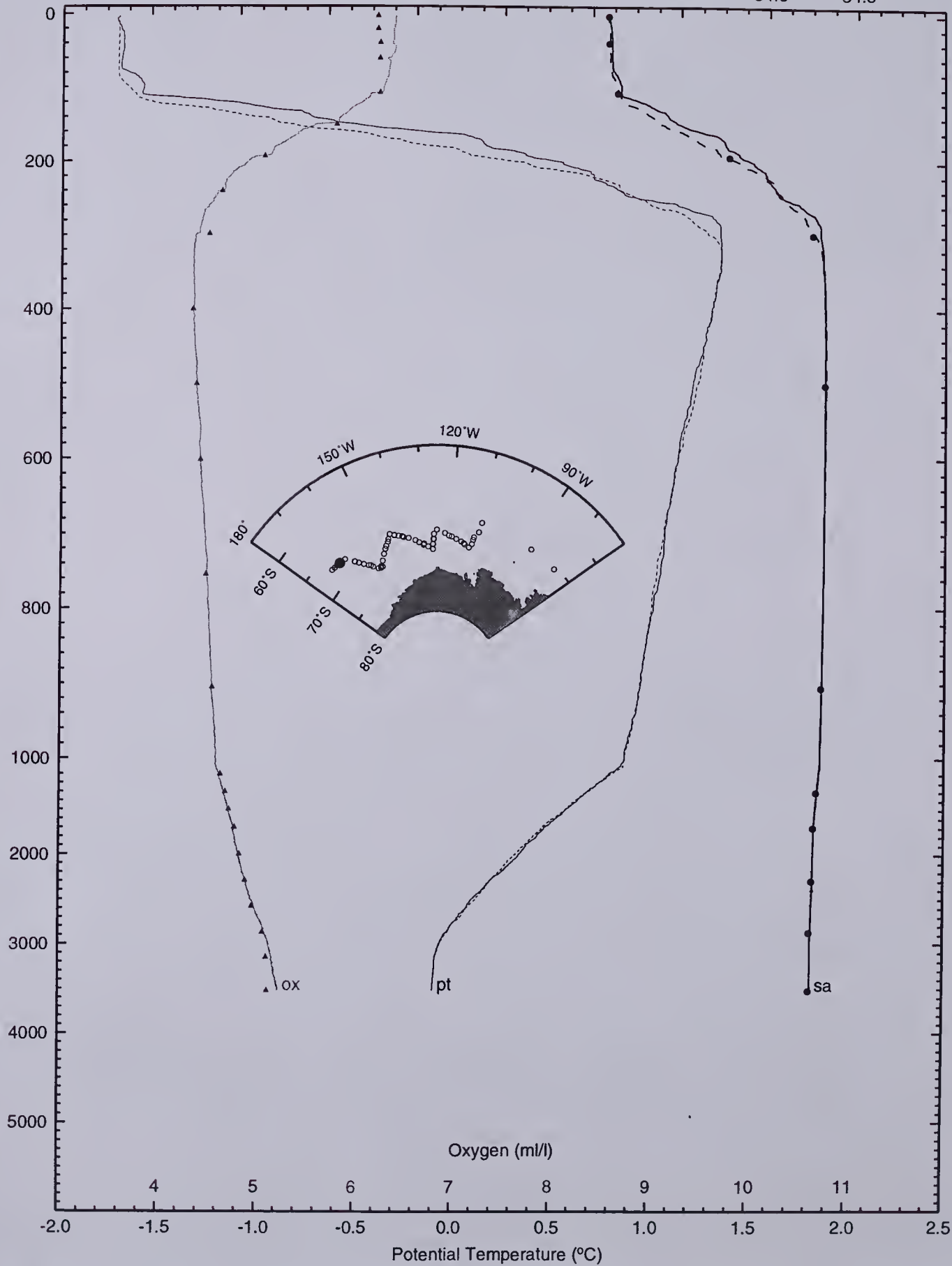
Latitude 66 59 S  
Longitude 166 34 W

Salinity

NP9405 102

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 103D	YR/MO/DA 94/10/11	GTIME 23:14	LATITUDE -66.946	LONGITUDE -167.985	DPTH 3720	HT	BARO 987	WND 81	WNS 3	AIRTM -8.4						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
5	-1.770	-1.770	0.111	0.107	34.216	6.09	265	27.543	29.941	32.312	36.974	53.3	0.003	1439.9	4		
10	-1.779	-1.779	0.106	0.098	34.217	6.09	265	27.544	29.942	32.314	36.976	53.2	0.005	1439.9	9		
20	-1.777	-1.777	0.116	0.100	34.218	6.08	264	27.544	29.943	32.314	36.976	53.1	0.011	1440.1	19		
30	-1.774	-1.775	0.126	0.103	34.218	6.08	264	27.545	29.943	32.314	36.976	53.0	0.016	1440.2	29		
40	-1.772	-1.773	0.135	0.106	34.219	6.08	264	27.545	29.943	32.315	36.977	52.9	0.021	1440.4	39		
50	-1.768	-1.769	0.147	0.110	34.220	6.07	264	27.546	29.944	32.316	36.978	52.7	0.026	1440.6	49		
60	-1.758	-1.759	0.165	0.120	34.225	6.07	264	27.550	29.948	32.319	36.981	52.3	0.032	1440.8	59		
70	-1.742	-1.744	0.189	0.136	34.231	6.08	264	27.554	29.952	32.323	36.984	51.9	0.037	1441.1	69		
80	-1.696	-1.697	0.243	0.183	34.240	6.06	264	27.560	29.957	32.327	36.987	51.2	0.042	1441.5	79		
90	-1.587	-1.588	0.361	0.293	34.255	5.99	260	27.569	29.965	32.333	36.989	50.3	0.047	1442.2	89		
100	-1.409	-1.411	0.548	0.472	34.276	5.86	255	27.581	29.973	32.339	36.989	49.2	0.052	1443.2	98		
125	-0.721	-0.724	1.259	1.165	34.362	5.42	236	27.626	30.007	32.361	36.990	45.1	0.064	1447.0	123		
150	0.115	0.109	2.120	2.007	34.480	4.94	215	27.681	30.049	32.390	36.994	40.3	0.075	1451.4	148		
175	0.627	0.619	2.656	2.524	34.565	4.57	199	27.720	30.080	32.414	37.002	36.8	0.084	1454.3	173		
200	1.048	1.039	3.100	2.950	34.639	4.37	190	27.753	30.107	32.434	37.010	33.9	0.093	1456.7	197		
225	1.261	1.250	3.334	3.165	34.682	4.31	187	27.773	30.124	32.448	37.017	32.2	0.101	1458.1	222		
250	1.332	1.319	3.425	3.237	34.699	4.29	186	27.781	30.131	32.454	37.021	31.6	0.109	1458.8	247		
275	1.364	1.351	3.477	3.270	34.709	4.28	186	27.787	30.136	32.459	37.025	31.1	0.117	1459.4	271		
300	1.371	1.356	3.503	3.277	34.715	4.27	186	27.792	30.141	32.463	37.030	30.8	0.125	1459.8	296		
325	1.365	1.348	3.515	3.271	34.720	4.28	186	27.797	30.145	32.468	37.034	30.5	0.132	1460.2	321		
350	1.353	1.336	3.523	3.259	34.722	4.27	185	27.799	30.148	32.471	37.038	30.3	0.140	1460.6	346		
375	1.339	1.321	3.528	3.245	34.724	4.27	185	27.801	30.151	32.474	37.041	30.1	0.148	1460.9	370		
400	1.325	1.305	3.533	3.231	34.724	4.27	185	27.803	30.153	32.476	37.043	30.0	0.155	1461.3	395		
425	1.310	1.289	3.537	3.217	34.725	4.27	186	27.805	30.155	32.478	37.046	29.9	0.163	1461.6	420		
450	1.291	1.268	3.536	3.198	34.726	4.28	186	27.807	30.157	32.481	37.049	29.8	0.170	1462.0	444		
475	1.278	1.254	3.543	3.185	34.726	4.27	186	27.808	30.158	32.482	37.051	29.8	0.177	1462.3	469		
500	1.264	1.239	3.547	3.171	34.726	4.29	186	27.809	30.160	32.484	37.053	29.7	0.185	1462.7	494		
550	1.223	1.196	3.544	3.130	34.726	4.35	189	27.812	30.163	32.487	37.058	29.6	0.200	1463.3	543		
600	1.181	1.150	3.539	3.088	34.725	4.37	190	27.814	30.166	32.491	37.063	29.4	0.214	1463.9	592		
650	1.132	1.099	3.528	3.038	34.724	4.40	191	27.817	30.169	32.495	37.069	29.2	0.229	1464.5	642		
700	1.100	1.065	3.533	3.006	34.723	4.42	192	27.819	30.172	32.498	37.073	29.2	0.244	1465.2	691		
750	1.075	1.037	3.546	2.981	34.722	4.45	193	27.820	30.173	32.500	37.075	29.1	0.258	1465.9	740		
800	1.034	0.994	3.543	2.941	34.721	4.47	194	27.822	30.176	32.503	37.080	29.0	0.273	1466.6	790		
850	1.012	0.969	3.558	2.918	34.720	4.50	196	27.823	30.177	32.505	37.082	29.0	0.287	1467.3	839		
900	0.974	0.928	3.558	2.880	34.719	4.53	197	27.824	30.179	32.508	37.086	28.9	0.302	1467.9	888		
950	0.936	0.887	3.557	2.842	34.718	4.57	198	27.826	30.182	32.511	37.090	28.7	0.316	1468.6	938		
1000	0.904	0.852	3.563	2.810	34.716	4.58	199	27.827	30.183	32.513	37.093	28.7	0.331	1469.3	987		

SHCRUS NP9405	STNM 103U	YR/MO/DA 94/10/11	GTIME 23:58	LATITUDE -66.946	LONGITUDE -167.988	DPTH 3720	HT	BARO 987	WND 81	WNS 3	AIRTM -8.4						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	m1/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
7	-1.778	-1.778	0.104	0.099	34.218	6.09	265	27.544	29.943	32.314	36.977	53.1	0.004	1439.9	6		
10	-1.779	-1.779	0.106	0.098	34.218	6.09	265	27.545	29.943	32.315	36.977	53.1	0.005	1439.9	9		
20	-1.775	-1.775	0.118	0.103	34.219	6.08	264	27.545	29.943	32.315	36.977	53.0	0.011	1440.1	19		
30	-1.773	-1.773	0.127	0.105	34.219	6.08	264	27.545	29.944	32.315	36.977	52.9	0.016	1440.3	29		
40	-1.771	-1.772	0.137	0.107	34.220	6.08	264	27.546	29.944	32.315	36.978	52.8	0.021	1440.4	39		
50	-1.769	-1.770	0.146	0.109	34.220	6.07	264	27.546	29.944	32.316	36.978	52.7	0.026	1440.6	49		
60	-1.765	-1.766	0.158	0.113	34.222	6.07	264	27.547	29.946	32.317	36.979	52.5	0.032	1440.8	59		
70	-1.747	-1.748	0.184	0.131	34.230	6.08	264	27.554	29.952	32.322	36.984	51.9	0.037	1441.0	69		
80	-1.690	-1.692	0.249	0.189	34.244	6.06	264	27.564	29.961	32.330	36.990	50.9	0.042	1441.5	79		
90	-1.562	-1.564	0.386	0.318	34.262	5.99	260	27.574	29.969	32.337	36.992	49.9	0.047	1442.3	89		
100	-1.449	-1.452	0.507	0.432	34.279	5.86	255	27.585	29.978	32.344	36.995	48.9	0.052	1443.0	98		
125	-0.711	-0.715	1.269	1.175	34.371	5.42	236	27.632	30.013	32.368	36.996	44.5	0.064	1447.0	123		
150	0.165	0.159	2.171	2.058	34.496	4.94	215	27.691	30.058	32.398	37.000	39.3	0.074	1451.7	148		
175	0.762	0.754	2.793	2.661	34.596	4.57	199	27.736	30.094	32.426	37.010	35.3	0.083	1454.9	173		
200	1.150	1.141	3.204	3.053	34.662	4.37	190	27.764	30.116	32.442	37.015	33.0	0.092	1457.2	197		
225	1.303	1.293	3.377	3.208	34.692	4.31	187	27.778	30.128	32.451	37.019	31.8	0.100	1458.3	222		
250	1.351	1.339	3.445	3.256	34.704	4.29	186	27.784	30.134	32.456	37.023	31.3	0.108	1458.9	247		
275	1.370	1.357	3.483	3.276	34.713	4.28	186	27.791	30.139	32.462	37.028	30.8	0.116	1459.4	271		
300	1.364	1.349	3.496	3.270	34.718	4.27	186	27.795	30.144	32.466	37.033	30.5	0.123	1459.8	296		
325	1.354	1.338	3.505	3.260	34.720	4.28	186	27.797	30.147	32.469	37.036	30.3	0.131	1460.2	321		
350	1.349	1.332	3.519	3.255	34.722	4.27	185	27.799	30.148	32.471	37.038	30.3	0.138	1460.6	346		
375	1.336	1.317	3.524	3.242	34.724	4.27	185	27.802	30.151	32.474	37.041	30.1	0.146	1460.9	370		
400	1.316	1.296	3.524														

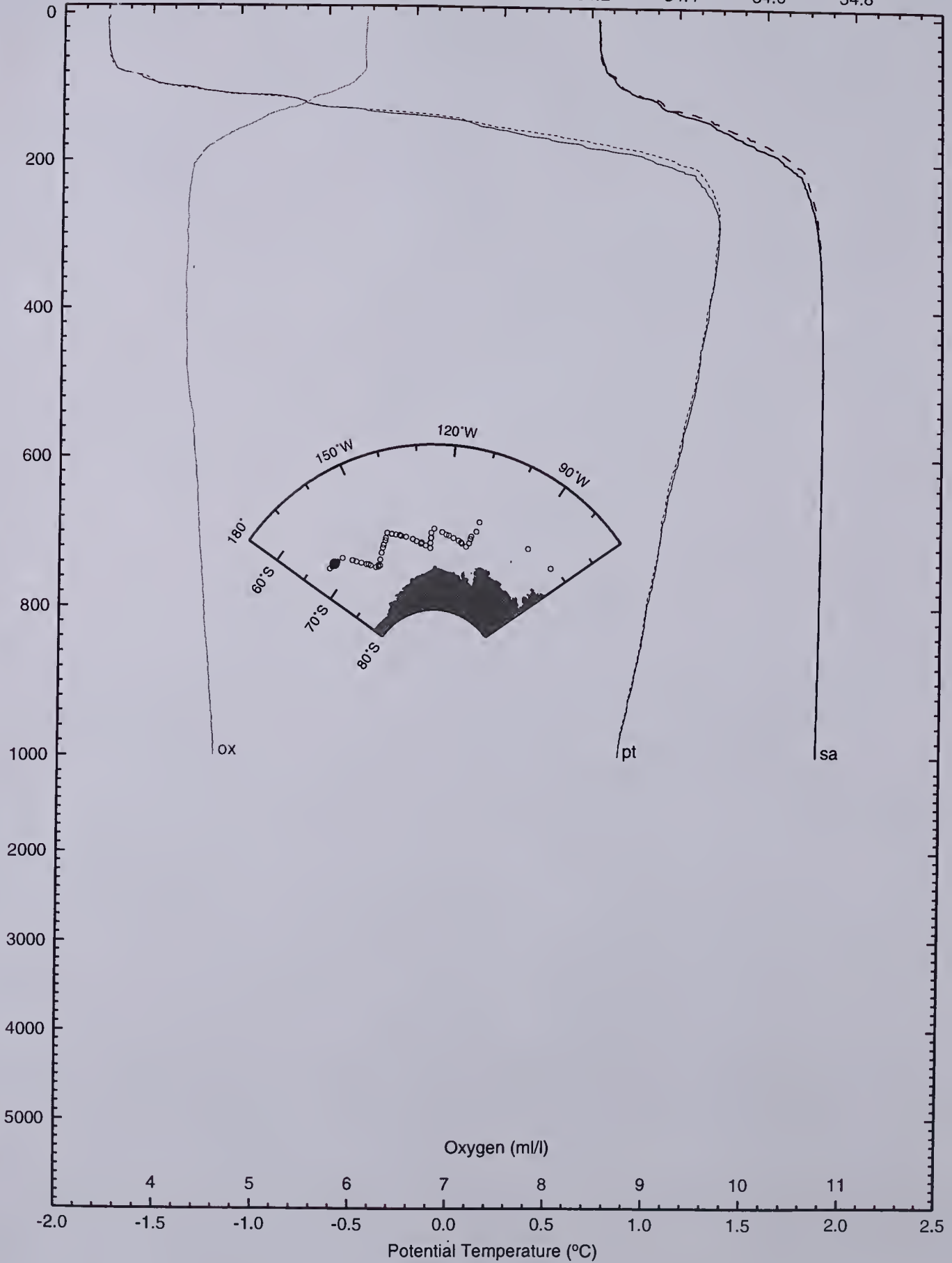
Latitude 66 57 S  
Longitude 167 59 W

Salinity

NP9405 103

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

SHCRUS NP9405	STNM 104D	YR/MO/DA 94/10/12	GTIME 00:01	LATITUDE -66.946	LONGITUDE -167.985	DPTH 3720	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
7	-1.770	-1.770	0.113	0.107	34.218	5.96	259	27.544	29.942	32.314	36.976	53.2	0.004	1439.9	6
10	-1.779	-1.779	0.106	0.099	34.218	5.97	259	27.545	29.943	32.315	36.977	53.1	0.005	1439.9	9
20	-1.779	-1.780	0.114	0.099	34.219	5.97	259	27.546	29.944	32.315	36.978	53.0	0.011	1440.1	19
30	-1.775	-1.775	0.125	0.103	34.220	5.97	259	27.546	29.945	32.316	36.978	52.8	0.016	1440.2	29
40	-1.773	-1.774	0.134	0.105	34.221	5.97	259	27.547	29.945	32.316	36.978	52.7	0.021	1440.4	39
50	-1.772	-1.773	0.143	0.106	34.221	5.98	260	27.547	29.945	32.317	36.979	52.6	0.026	1440.6	49
60	-1.770	-1.771	0.153	0.108	34.222	5.98	260	27.548	29.946	32.317	36.979	52.5	0.032	1440.8	59
70	-1.762	-1.763	0.169	0.116	34.225	5.98	260	27.550	29.948	32.319	36.981	52.2	0.037	1441.0	69
80	-1.740	-1.742	0.198	0.138	34.233	5.98	260	27.556	29.954	32.325	36.986	51.6	0.042	1441.2	79
90	-1.610	-1.612	0.338	0.270	34.255	5.90	256	27.570	29.965	32.334	36.991	50.3	0.047	1442.1	89
100	-1.540	-1.542	0.416	0.340	34.263	5.79	251	27.575	29.969	32.337	36.991	49.8	0.052	1442.6	98
125	-0.781	-0.785	1.198	1.104	34.356	5.35	233	27.623	30.005	32.360	36.991	45.4	0.064	1446.7	123
150	0.044	0.038	2.049	1.936	34.471	4.96	215	27.677	30.046	32.389	36.994	40.6	0.075	1451.1	148
175	0.548	0.540	2.576	2.445	34.555	4.67	203	27.717	30.078	32.413	37.003	37.1	0.085	1453.9	173
200	1.050	1.041	3.102	2.952	34.642	4.41	192	27.755	30.108	32.435	37.011	33.8	0.093	1456.7	197
225	1.269	1.258	3.343	3.173	34.685	4.30	187	27.775	30.125	32.449	37.018	32.1	0.102	1458.1	222
250	1.337	1.325	3.430	3.242	34.701	4.26	185	27.783	30.132	32.455	37.023	31.4	0.110	1458.9	247
275	1.369	1.355	3.482	3.275	34.713	4.25	185	27.790	30.139	32.461	37.028	30.9	0.117	1459.4	271
300	1.365	1.350	3.497	3.271	34.719	4.26	185	27.796	30.144	32.467	37.033	30.5	0.125	1459.8	296
325	1.358	1.342	3.509	3.264	34.721	4.25	185	27.797	30.147	32.469	37.036	30.3	0.133	1460.2	321
350	1.350	1.332	3.520	3.256	34.723	4.24	184	27.800	30.149	32.472	37.039	30.2	0.140	1460.6	346
375	1.335	1.317	3.524	3.242	34.725	4.24	184	27.802	30.152	32.475	37.042	30.0	0.148	1460.9	370
400	1.319	1.298	3.526	3.226	34.726	4.24	184	27.805	30.154	32.477	37.045	29.9	0.155	1461.3	395
425	1.301	1.280	3.528	3.208	34.726	4.25	184	27.806	30.156	32.480	37.048	29.8	0.163	1461.6	420
450	1.286	1.264	3.532	3.193	34.726	4.25	185	27.808	30.158	32.481	37.050	29.7	0.170	1461.9	444
475	1.274	1.250	3.538	3.181	34.727	4.26	185	27.809	30.159	32.483	37.052	29.7	0.178	1462.3	469
500	1.256	1.231	3.539	3.163	34.727	4.28	186	27.810	30.161	32.485	37.054	29.6	0.185	1462.6	494
550	1.214	1.187	3.535	3.121	34.726	4.32	188	27.812	30.164	32.488	37.059	29.5	0.200	1463.3	543
600	1.180	1.150	3.539	3.087	34.725	4.34	189	27.814	30.166	32.492	37.064	29.4	0.214	1463.9	592
650	1.133	1.100	3.529	3.039	34.724	4.38	190	27.817	30.170	32.496	37.069	29.2	0.229	1464.5	642
700	1.101	1.066	3.534	3.007	34.724	4.40	191	27.819	30.172	32.498	37.073	29.1	0.244	1465.2	691
750	1.075	1.037	3.546	2.981	34.723	4.42	192	27.820	30.174	32.500	37.076	29.1	0.258	1465.9	740
800	1.041	1.000	3.549	2.947	34.722	4.45	193	27.822	30.176	32.503	37.079	29.0	0.273	1466.6	790
850	1.002	0.959	3.549	2.909	34.720	4.49	195	27.823	30.178	32.506	37.083	28.9	0.287	1467.2	839
900	0.968	0.922	3.552	2.874	34.719	4.51	196	27.825	30.180	32.508	37.087	28.8	0.302	1467.9	888
950	0.935	0.886	3.556	2.841	34.717	4.54	197	27.826	30.181	32.511	37.090	28.7	0.316	1468.6	938
1000	0.899	0.847	3.558	2.805	34.716	4.57	199	27.827	30.184	32.513	37.094	28.6	0.330	1469.3	987
1002	0.897	0.846	3.558	2.803	34.716	4.58	199	27.827	30.184	32.513	37.094	28.6	0.331	1469.3	989

SHCRUS NP9405	STNM 104U	YR/MO/DA 94/10/12	GTIME 00:42	LATITUDE -66.946	LONGITUDE -167.994	DPTH 3720	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
11	-1.776	-1.776	0.110	0.102	34.219	5.97	259	27.545	29.943	32.315	36.977	53.1	0.006	1439.9	10
20	-1.775	-1.775	0.118	0.103	34.219	5.97	259	27.545	29.943	32.315	36.977	53.0	0.011	1440.1	19
30	-1.771	-1.772	0.129	0.107	34.219	5.97	259	27.546	29.944	32.315	36.977	52.9	0.016	1440.3	29
40	-1.769	-1.770	0.139	0.109	34.220	5.97	259	27.546	29.944	32.315	36.978	52.8	0.021	1440.4	39
50	-1.767	-1.768	0.148	0.111	34.221	5.98	260	27.546	29.945	32.316	36.978	52.7	0.026	1440.6	49
60	-1.761	-1.763	0.161	0.117	34.223	5.98	260	27.548	29.946	32.317	36.979	52.5	0.032	1440.8	59
70	-1.731	-1.732	0.200	0.147	34.232	5.98	260	27.555	29.952	32.323	36.984	51.8	0.037	1441.1	69
80	-1.684	-1.685	0.256	0.195	34.244	5.98	260	27.563	29.960	32.330	36.989	51.0	0.042	1441.5	79
90	-1.525	-1.527	0.423	0.355	34.265	5.90	256	27.575	29.970	32.337	36.991	49.8	0.047	1442.5	89
100	-1.349	-1.351	0.608	0.533	34.298	5.79	251	27.597	29.988	32.353	37.001	47.7	0.052	1443.5	98
125	-0.595	-0.599	1.386	1.292	34.388	5.35	233	27.641	30.020	32.372	36.997	43.8	0.063	1447.6	123
150	0.123	0.117	2.129	2.016	34.488	4.96	215	27.686	30.054	32.396	36.999	39.7	0.074	1451.5	148
175	0.584	0.576	2.612	2.481	34.562	4.67	203	27.720	30.081	32.415	37.004	36.8	0.083	1454.1	173
200	1.050	1.040	3.102	2.952	34.643	4.41	192	27.756	30.110	32.437	37.013	33.7	0.092	1456.7	197
225	1.259	1.248	3.332	3.163	34.683	4.30	187	27.774	30.124	32.448	37.018	32.2	0.100	1458.1	222
250	1.342	1.330	3.435	3.247	34.701	4.26	185	27.783	30.132	32.455	37.022	31.5	0.108	1458.9	247
275	1.370	1.357	3.483	3.276	34.713	4.25	185	27.790	30.139	32.462	37.028	30.9	0.116	1459.4	271
300	1.364	1.349	3.496	3.270	34.718	4.26	185	27.795	30.144	32.466	37.033	30.5	0.124	1459.8	296
325	1.357	1.341	3.508	3.263	34.720	4.25	185	27.797	30.146	32.469	37.035	30.4	0.131	1460.2	321
350	1.350	1.333	3.520	3.256	34.722	4.24	184	27.799	30.148	32.471	37.038	30.3	0.139	1460.6	346
375	1.337	1.319	3.526	3.243	34.724	4.24	184	27.802	30.151	32.474	37.041	30.1	0.146	1460.9	370
400	1.317	1.297	3.525	3.224	34.725	4.24	184	27.804	30.154	32.477	37.045	29.9	0.154	1461.3	395
425	1.305	1.283	3.531	3.212	34.725	4.25	184	27.805	30.155	32.478	37.047	29.9	0.161	1461.6	420
450	1.289	1.266	3.534	3.196	34.726	4.25	185	27.807	30.157	32.481	37.049	29.8	0.169	1461.9	444
475	1.272	1.248	3.537	3.179	34.726	4.26	185	27.808	30.159	32.483	37.052	29.7	0.176	1462.3	469
500	1.253	1.228	3.536	3.160	34.726	4.28	186	27.810	30.160	32.484	37.054	29.7	0.184	1462.6	494
550	1.215	1.187	3.536	3.122	34.725	4.32	188	27.812	30.163	32.488	37.059	29.6	0.199	1463.3	543
600	1.183	1.152	3.541	3.090	34.725	4.34	189	27.814	30.166	32.491	37.063	29.4	0.213	1463.9	592
650	1.133	1.100	3.529	3.039	34.724	4.38	190	27.817	30.169	32.495	37.068	29.3	0.228	1464.5	642
700	1.102	1.067	3.536	3.008	34.723	4.40	191	27.819	30.171	32.498	37.072	29.2	0.243	1465.2	691
750	1.079	1.041	3.550	2.985	34.722	4.42	192	27.820	30.173	32.500	37.075	29.2	0.257	1465.9	740
800	1.043	1.002	3.551	2.949	34.721	4.45	193	27.821	30.175	32.503	37.079	29.1	0.272	1466.6	790
850	0.999	0.956	3.546	2.905	34.720	4.49	195	27.823	30.178	32.506	37.083				

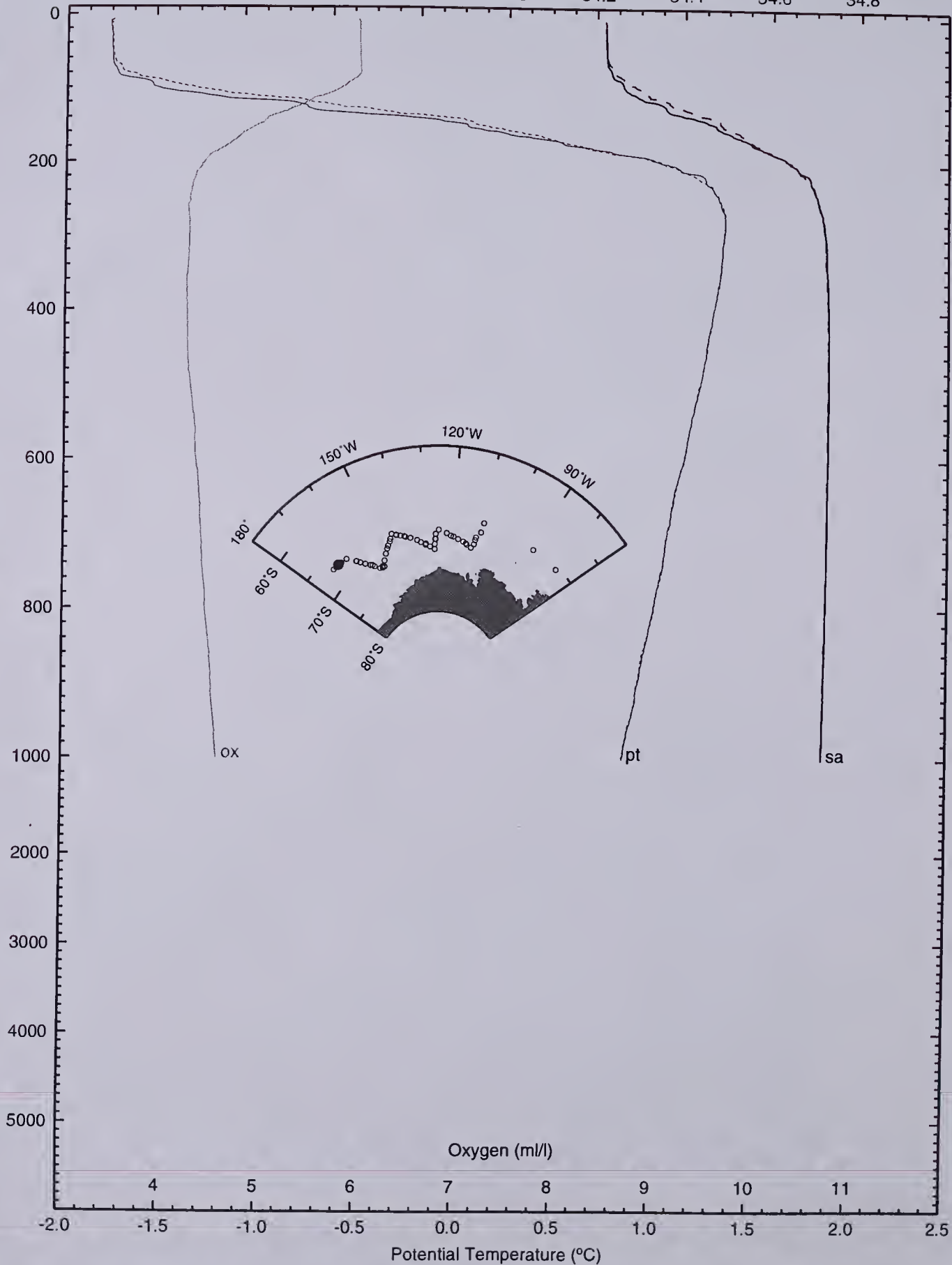
Latitude 66 57 S  
Longitude 167 59 W

Salinity

NP9405 104

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)



SHCRUS NP9405	STNM 105D	YR/MO/DA 94/10/12	GTIME 00:44	LATITUDE -66.946	LONGITUDE -167.994	DPTH 3680	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
11	-1.779	-1.779	0.107	0.098	34.218	5.99	260	27.545	29.943	32.315	36.977	53.1	0.006	1439.9	10
20	-1.776	-1.777	0.116	0.102	34.219	5.99	260	27.546	29.944	32.316	36.978	52.9	0.011	1440.1	19
30	-1.773	-1.773	0.127	0.105	34.220	5.98	260	27.546	29.945	32.316	36.978	52.8	0.016	1440.3	29
40	-1.772	-1.772	0.136	0.106	34.221	5.97	260	27.547	29.945	32.316	36.978	52.7	0.021	1440.4	39
50	-1.770	-1.771	0.145	0.108	34.221	5.97	259	27.547	29.945	32.317	36.979	52.6	0.026	1440.6	49
60	-1.768	-1.769	0.155	0.110	34.222	5.96	259	27.548	29.946	32.317	36.979	52.5	0.032	1440.8	59
70	-1.760	-1.761	0.171	0.118	34.225	5.95	258	27.550	29.948	32.319	36.981	52.3	0.037	1441.0	69
80	-1.724	-1.725	0.215	0.154	34.235	5.92	258	27.557	29.954	32.325	36.986	51.5	0.042	1441.3	79
90	-1.636	-1.638	0.311	0.243	34.251	5.87	255	27.567	29.963	32.332	36.990	50.5	0.047	1441.9	89
100	-1.458	-1.460	0.498	0.423	34.273	5.76	250	27.580	29.973	32.339	36.994	49.3	0.052	1443.0	98
125	-0.710	-0.714	1.270	1.176	34.365	5.44	236	27.628	30.009	32.363	36.992	45.0	0.064	1447.0	123
150	0.090	0.084	2.095	1.982	34.480	5.05	219	27.682	30.050	32.392	36.997	40.1	0.075	1451.3	148
175	0.555	0.548	2.584	2.452	34.556	4.68	203	27.717	30.079	32.413	37.004	37.0	0.084	1453.9	173
200	1.065	1.056	3.118	2.967	34.644	4.41	192	27.756	30.109	32.436	37.011	33.7	0.093	1456.7	197
225	1.257	1.246	3.331	3.161	34.682	4.31	187	27.773	30.124	32.448	37.018	32.2	0.101	1458.1	222
250	1.340	1.328	3.433	3.245	34.702	4.28	186	27.784	30.133	32.456	37.023	31.4	0.109	1458.9	247
275	1.369	1.355	3.482	3.275	34.713	4.27	186	27.790	30.139	32.462	37.028	30.9	0.117	1459.4	271
300	1.365	1.350	3.497	3.271	34.719	4.27	186	27.796	30.145	32.467	37.033	30.4	0.125	1459.8	296
325	1.358	1.342	3.509	3.264	34.721	4.28	186	27.797	30.147	32.469	37.036	30.4	0.132	1460.2	321
350	1.347	1.330	3.517	3.253	34.723	4.26	185	27.800	30.149	32.472	37.039	30.2	0.140	1460.6	346
375	1.341	1.323	3.530	3.247	34.724	4.25	185	27.802	30.151	32.474	37.041	30.1	0.147	1460.9	370
400	1.317	1.297	3.525	3.224	34.726	4.27	185	27.805	30.155	32.478	37.046	29.9	0.155	1461.3	395
425	1.309	1.288	3.536	3.216	34.726	4.27	185	27.806	30.155	32.479	37.047	29.9	0.162	1461.6	420
450	1.292	1.270	3.538	3.199	34.727	4.27	185	27.807	30.157	32.481	37.049	29.8	0.170	1462.0	444
475	1.275	1.251	3.539	3.182	34.727	4.27	186	27.809	30.159	32.483	37.052	29.7	0.177	1462.3	469
500	1.255	1.230	3.538	3.162	34.727	4.29	186	27.810	30.161	32.485	37.055	29.6	0.185	1462.6	494
550	1.216	1.188	3.537	3.123	34.726	4.33	188	27.812	30.164	32.488	37.059	29.5	0.199	1463.3	543
600	1.181	1.151	3.539	3.088	34.725	4.36	189	27.815	30.166	32.492	37.064	29.4	0.214	1463.9	592
650	1.134	1.101	3.530	3.040	34.724	4.38	190	27.817	30.170	32.496	37.069	29.2	0.229	1464.5	642
700	1.104	1.069	3.538	3.010	34.724	4.41	192	27.819	30.172	32.498	37.072	29.2	0.243	1465.2	691
750	1.074	1.036	3.545	2.980	34.723	4.44	193	27.820	30.174	32.501	37.076	29.1	0.258	1465.9	740
800	1.040	0.999	3.549	2.946	34.722	4.46	194	27.822	30.176	32.503	37.079	29.0	0.272	1466.6	790
850	1.003	0.960	3.549	2.909	34.720	4.50	195	27.823	30.178	32.506	37.083	28.9	0.287	1467.2	839
900	0.965	0.919	3.549	2.871	34.719	4.52	196	27.825	30.180	32.509	37.087	28.8	0.301	1467.9	888
950	0.944	0.895	3.565	2.850	34.718	4.54	197	27.826	30.181	32.510	37.089	28.8	0.316	1468.6	938
1000	0.911	0.859	3.570	2.817	34.717	4.57	199	27.827	30.183	32.513	37.093	28.7	0.330	1469.3	987
1001	0.910	0.858	3.570	2.816	34.717	4.57	199	27.827	30.183	32.513	37.093	28.7	0.330	1469.3	988

SHCRUS NP9405	STNM 105U	YR/MO/DA 94/10/12	GTIME 01:27	LATITUDE -66.946	LONGITUDE -168.002	DPTH 3680	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7				
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m
11	-1.776	-1.776	0.110	0.102	34.219	5.99	260	27.545	29.944	32.315	36.977	53.0	0.006	1439.9	10
20	-1.772	-1.772	0.121	0.106	34.219	5.99	260	27.545	29.944	32.315	36.977	53.0	0.011	1440.1	19
30	-1.769	-1.770	0.131	0.109	34.219	5.98	260	27.546	29.944	32.315	36.977	52.9	0.016	1440.3	29
40	-1.768	-1.769	0.140	0.110	34.220	5.97	260	27.546	29.944	32.315	36.977	52.8	0.021	1440.4	39
50	-1.766	-1.767	0.150	0.112	34.220	5.97	259	27.546	29.944	32.316	36.978	52.7	0.026	1440.6	49
60	-1.763	-1.764	0.160	0.115	34.221	5.96	259	27.547	29.945	32.316	36.978	52.6	0.032	1440.8	59
70	-1.755	-1.756	0.176	0.123	34.225	5.95	258	27.549	29.947	32.318	36.980	52.3	0.037	1441.0	69
80	-1.716	-1.717	0.223	0.162	34.235	5.92	258	27.557	29.954	32.325	36.985	51.5	0.042	1441.4	79
90	-1.625	-1.627	0.322	0.254	34.253	5.87	255	27.569	29.965	32.334	36.991	50.3	0.047	1442.0	89
100	-1.437	-1.439	0.520	0.444	34.280	5.76	250	27.585	29.978	32.343	36.995	48.9	0.052	1443.1	98
125	-0.840	-0.844	1.139	1.046	34.360	5.44	236	27.628	30.011	32.368	37.000	44.9	0.064	1446.4	123
150	-0.063	-0.068	1.942	1.829	34.464	5.05	219	27.677	30.048	32.392	37.001	40.5	0.075	1450.6	148
175	0.494	0.486	2.522	2.391	34.556	4.68	203	27.721	30.083	32.418	37.011	36.7	0.084	1453.6	173
200	1.074	1.065	3.127	2.976	34.648	4.41	192	27.759	30.112	32.439	37.014	33.4	0.093	1456.8	197
225	1.249	1.238	3.322	3.153	34.681	4.31	187	27.773	30.124	32.448	37.018	32.2	0.101	1458.0	222
250	1.342	1.330	3.435	3.247	34.701	4.28	186	27.783	30.132	32.455	37.022	31.5	0.109	1458.9	247
275	1.369	1.356	3.482	3.275	34.712	4.27	186	27.790	30.138	32.461	37.027	30.9	0.117	1459.4	271
300	1.365	1.350	3.497	3.271	34.718	4.27	186	27.794	30.143	32.466	37.032	30.6	0.125	1459.8	296
325	1.355	1.339	3.506	3.261	34.720	4.28	186	27.797	30.146	32.469	37.036	30.4	0.132	1460.2	321
350	1.350	1.332	3.520	3.256	34.722	4.26	185	27.799	30.148	32.471	37.038	30.3	0.140	1460.6	346
375	1.339	1.321	3.528	3.245	34.724	4.25	185	27.801	30.151	32.474	37.041	30.1	0.147	1460.9	370
400	1.322	1.302	3.530	3.228	34.724	4.27	185	27.803	30.153	32.476	37.044	30.0	0.155	1461.3	395
425	1.307	1.285	3.533	3.214	34.725	4.27	185	27.805	30.155	32.478	37.046	29.9	0.162	1461.6	420
450	1.289	1.267	3.535	3.196	34.726	4.27	185	27.807	30.157	32.481	37.049	29.8	0.170	1461.9	444
475	1.276	1.252	3.540	3.183	34.726	4.27	186	27.808	30.159	32.482	37.051	29.7	0.177	1462.3	469
500	1.255	1.230	3.538	3.162	34.726	4.29	186	27.810	30.160	32.484	37.054	29.7	0.185	1462.6	494
550	1.215	1.187	3.535	3.122	34.725	4.33	188	27.812	30.163	32.488	37.059	29.5	0.199	1463.3	543
600	1.180	1.150	3.538	3.087	34.725	4.36	189	27.814	30.166	32.491	37.063	29.4	0.214	1463.9	592
650	1.141	1.108	3.536	3.046	34.724	4.38	190	27.816	30.169	32.495	37.068	29.3	0.229	1464.6	642
700	1.100	1.065	3.534	3.006	34.723	4.41	192	27.819	30.172	32.498	37.072	29.2	0.243	1465.2	691
750	1.073	1.035	3.544	2.979	34.722	4.44	193	27.820	30.173	32.500	37.076	29.1	0.258	1465.9	740
800	1.039	0.998	3.548	2.945	34.721	4.46	194	27.822	30.175	32.503	37.079	29.0	0.273	1466.6	790
850	1.003	0.960	3.549	2.909	34.720	4.50	195	27.823	30.177	32.505	37.083	29.0	0.287	1467.2	839
900	0.968	0.922	3.552	2.874	34.719	4.52	196	27.825	30.180	32.508	37				

Latitude 66 57 S  
Longitude 168 00 W

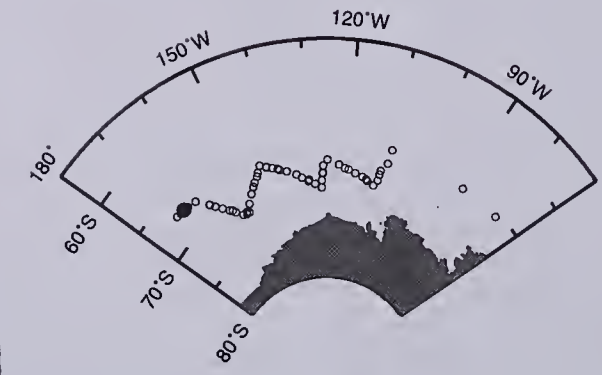
Salinity

NP9405 105

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5



SHCRUS NP9405	STNM 106D	YR/MO/DA 94/10/12	GTIME 01:30	LATITUDE -66.946	LONGITUDE -168.002	DPTH 3680	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
11	-1.775	-1.776	0.110	0.103	34.219	6.05	263	27.546	29.944	32.315	36.977	53.0	0.006	1439.9	10		
20	-1.772	-1.773	0.120	0.106	34.220	6.04	263	27.546	29.944	32.316	36.978	52.9	0.011	1440.1	19		
30	-1.770	-1.771	0.130	0.108	34.220	6.03	262	27.546	29.945	32.316	36.978	52.8	0.016	1440.3	29		
40	-1.768	-1.769	0.139	0.110	34.221	6.01	261	27.547	29.945	32.316	36.978	52.7	0.021	1440.4	39		
50	-1.767	-1.768	0.149	0.111	34.221	6.00	261	27.547	29.945	32.317	36.978	52.6	0.026	1440.6	49		
60	-1.764	-1.765	0.159	0.114	34.222	5.97	259	27.548	29.946	32.317	36.979	52.5	0.032	1440.8	59		
70	-1.756	-1.757	0.175	0.122	34.225	5.93	258	27.550	29.948	32.319	36.981	52.2	0.037	1441.0	69		
80	-1.687	-1.688	0.252	0.192	34.240	5.89	256	27.560	29.957	32.327	36.986	51.3	0.042	1441.5	79		
90	-1.552	-1.554	0.396	0.328	34.259	5.83	254	27.572	29.966	32.334	36.989	50.1	0.047	1442.3	89		
100	-1.417	-1.419	0.539	0.464	34.276	5.76	250	27.582	29.974	32.340	36.990	49.2	0.052	1443.2	98		
125	-0.728	-0.731	1.252	1.158	34.363	5.30	230	27.627	30.008	32.363	36.992	45.0	0.064	1446.9	123		
150	0.022	0.017	2.027	1.914	34.470	4.91	213	27.677	30.047	32.390	36.996	40.5	0.075	1451.0	148		
175	0.656	0.649	2.686	2.554	34.573	4.62	201	27.724	30.084	32.417	37.004	36.4	0.084	1454.4	173		
200	1.108	1.099	3.161	3.010	34.652	4.41	192	27.759	30.112	32.438	37.012	33.4	0.093	1457.0	197		
225	1.320	1.309	3.394	3.225	34.697	4.34	188	27.780	30.130	32.453	37.021	31.6	0.101	1458.4	222		
250	1.365	1.353	3.459	3.271	34.712	4.33	188	27.789	30.138	32.461	37.027	30.9	0.109	1459.0	247		
275	1.366	1.352	3.479	3.272	34.718	4.33	188	27.795	30.144	32.466	37.032	30.5	0.116	1459.4	271		
300	1.359	1.345	3.492	3.265	34.720	4.33	188	27.797	30.146	32.469	37.035	30.3	0.124	1459.8	296		
325	1.352	1.336	3.503	3.258	34.722	4.33	188	27.799	30.148	32.471	37.037	30.2	0.132	1460.2	321		
350	1.344	1.327	3.514	3.250	34.723	4.32	188	27.800	30.150	32.472	37.039	30.1	0.139	1460.5	346		
375	1.339	1.320	3.527	3.246	34.725	4.31	187	27.802	30.152	32.475	37.042	30.0	0.147	1460.9	370		
400	1.315	1.295	3.523	3.222	34.726	4.31	187	27.805	30.155	32.478	37.046	29.9	0.154	1461.2	395		
425	1.300	1.278	3.526	3.207	34.726	4.31	187	27.806	30.156	32.480	37.048	29.8	0.162	1461.6	420		
450	1.285	1.263	3.531	3.192	34.727	4.31	187	27.808	30.158	32.482	37.050	29.7	0.169	1461.9	444		
475	1.270	1.246	3.534	3.177	34.727	4.33	188	27.809	30.160	32.484	37.053	29.6	0.176	1462.3	469		
500	1.256	1.231	3.539	3.163	34.727	4.33	188	27.810	30.161	32.485	37.055	29.6	0.184	1462.6	494		
550	1.214	1.186	3.534	3.121	34.726	4.36	189	27.813	30.164	32.489	37.060	29.5	0.199	1463.3	543		
600	1.179	1.148	3.537	3.086	34.726	4.40	191	27.815	30.167	32.492	37.064	29.4	0.213	1463.9	592		
650	1.137	1.104	3.533	3.044	34.725	4.43	192	27.817	30.170	32.496	37.069	29.2	0.228	1464.6	642		
700	1.096	1.061	3.530	3.002	34.724	4.46	194	27.819	30.172	32.499	37.073	29.1	0.242	1465.2	691		
750	1.068	1.030	3.539	2.974	34.723	4.49	195	27.821	30.174	32.501	37.076	29.0	0.257	1465.9	740		
800	1.036	0.995	3.544	2.942	34.722	4.51	196	27.822	30.176	32.504	37.080	29.0	0.271	1466.6	790		
850	1.001	0.957	3.547	2.907	34.720	4.54	197	27.824	30.178	32.506	37.084	28.9	0.286	1467.2	839		
900	0.970	0.924	3.554	2.876	34.719	4.56	198	27.825	30.180	32.508	37.087	28.8	0.300	1467.9	888		
950	0.941	0.892	3.563	2.847	34.718	4.58	199	27.826	30.181	32.510	37.090	28.8	0.315	1468.6	938		
1000	0.910	0.858	3.569	2.816	34.717	4.60	200	27.827	30.183	32.513	37.093	28.7	0.329	1469.3	987		
1100	0.848	0.791	3.582	2.754	34.715	4.65	202	27.830	30.187	32.517	37.099	28.5	0.358	1470.7	1085		
1200	0.801	0.738	3.610	2.707	34.713	4.70	204	27.831	30.189	32.521	37.104	28.3	0.386	1472.1	1184		
1243	0.776	0.711	3.618	2.682	34.712	4.72	205	27.832	30.191	32.522	37.107	28.3	0.398	1472.7	1226		

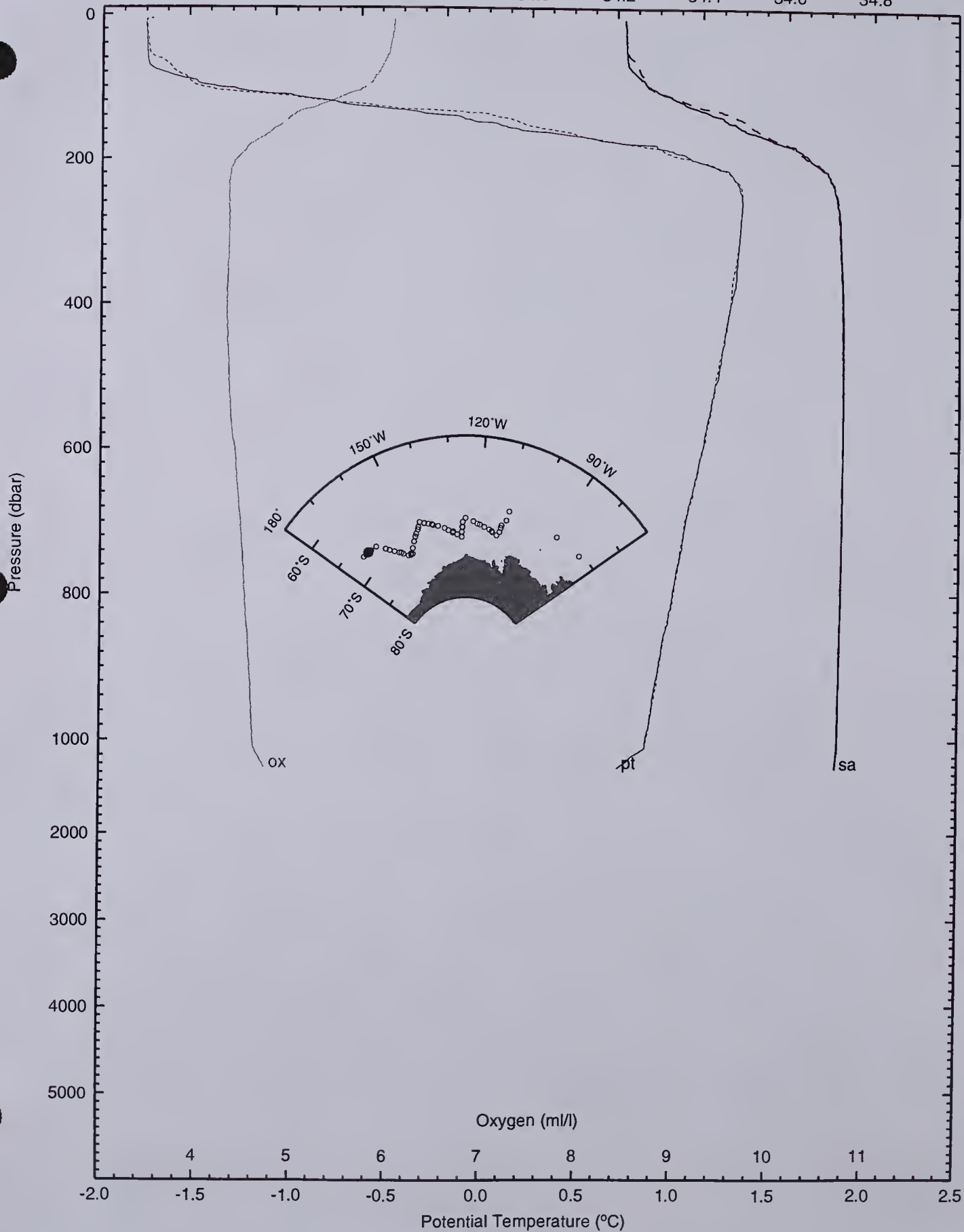
SHCRUS NP9405	STNM 106U	YR/MO/DA 94/10/12	GTIME 02:20	LATITUDE -66.947	LONGITUDE -168.017	DPTH 3680	HT	BARO 985	WND 83	WNS 2	AIRTM -8.7						
PRES dbar	TEMPCTD degC	POTEMP degC	TE>FRZ degC	TE>FRS degC	SALCTD pss	OXYUP ml/l	OXYUP um/kg	SIGMA-0 g/m3	SIGMA.5 g/m3	SIGMA-1 g/m3	SIGMA-2 g/m3	ANOM	GEOPT dyn.m	SVELOC m/s	DPTH m		
6	-1.737	-1.737	0.145	0.140	34.216	6.04	263	27.542	29.939	32.310	36.971	53.4	0.003	1440.0	5		
10	-1.772	-1.772	0.113	0.105	34.218	6.05	263	27.544	29.943	32.314	36.976	53.1	0.005	1439.9	9		
20	-1.770	-1.771	0.122	0.107	34.218	6.04	263	27.545	29.943	32.314	36.976	53.0	0.011	1440.1	19		
30	-1.764	-1.764	0.136	0.114	34.220	6.03	262	27.546	29.944	32.315	36.977	52.9	0.016	1440.3	29		
40	-1.761	-1.762	0.147	0.117	34.221	6.01	261	27.546	29.944	32.315	36.977	52.8	0.021	1440.5	39		
50	-1.756	-1.757	0.159	0.122	34.222	6.00	261	27.547	29.946	32.317	36.978	52.6	0.026	1440.7	49		
60	-1.718	-1.720	0.205	0.160	34.233	5.97	259	27.556	29.953	32.323	36.984	51.8	0.032	1441.0	59		
70	-1.651	-1.653	0.281	0.228	34.247	5.93	258	27.564	29.961	32.330	36.988	50.9	0.037	1441.5	69		
80	-1.615	-1.616	0.325	0.265	34.254	5.89	256	27.569	29.965	32.333	36.990	50.4	0.042	1441.9	79		
90	-1.553	-1.555	0.395	0.327	34.262	5.83	254	27.574	29.969	32.336	36.991	49.9	0.047	1442.3	89		
100	-1.490	-1.493	0.465	0.391	34.273	5.76	250	27.581	29.975	32.342	36.995	49.2	0.052	1442.8	98		
125	-0.649	-0.653	1.332	1.238	34.383	5.30	230	27.640	30.020	32.373	37.000	43.8	0.064	1447.3	123		
150	0.202	0.196	2.208	2.095	34.504	4.91	213	27.695	30.062	32.402	37.003	38.9	0.074	1451.8	148		
175	0.674	0.667	2.704	2.572	34.584	4.62	201	27.732	30.092	32.425	37.011	35.6	0.083	1454.5	173		
200	1.106	1.097	3.160	3.008	34.655	4.41	192	27.761	30.114	32.441	37.015	33.2	0.092	1456.9	197		
225	1.321	1.311	3.396	3.226	34.696	4.34	188	27.780	30.130	32.453	37.020	31.6	0.100	1458.4	222		
250	1.368	1.356	3.462	3.274	34.712	4.33	188	27.790	30.139	32.461	37.027	30.8	0.108	1459.0	247		
275	1.365	1.351	3.478	3.271	34.717	4.33	188	27.794	30.143	32.465	37.032	30.5	0.115	1459.4	271		
300	1.359	1.345	3.491	3.265	34.719	4.33	188	27.796	30.145	32.467	37.034	30.4	0.123	1459.8	296		
325	1.348	1.332	3.499	3.254	34.721	4.33	188	27.798	30.148	32.470	37.037	30.2	0.130	1460.2	321		
350	1.337	1.320	3.507	3.243	34.722	4.32	188	27.800	30.150	32.473	37.040	30.1	0.138	1460.5	346		
375	1.321	1.302	3.510	3.227	34.724	4.31	187	27.803	30.153	32.476	37.044	30.0	0.145	1460.9	370		
400	1.313	1.294	3.521	3.220	34.725	4.31	187	27.804	30.154	32.477	37.045	29.9	0.153	1461.2	395		
425	1.297	1.276	3.524	3.204	34.726	4.31	187	27.806	30.156	32.480	37.048	29.8	0.160	1461.6	420		
450	1.281	1.259	3.527	3.188	34.726	4.31	187	27.807	30.158	32.481	37.050	29.7	0.168	1461.9	444		
475	1.264	1.240	3.528	3.171	34.726	4.33	188	27.809	30.159	32.483	37.053	29.7	0.175	1462.2	469		
500	1.245	1.220	3.528	3.152	34.726	4.33	188	27.810	30.161	32.485	37.055	29.6	0.183	1462.6	494		
550	1.218	1.190	3.539	3.125	34.726	4.36	189	27.813	30.164	32.488	37.059	29.5	0.197	1463.3	543		

Latitude 66 57 S  
Longitude 168 00 W

Salinity

NP9405 106

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



SHCRUS NP9405	STNM 107D	YR/MO/DA 94/10/12	GTIME 02:20	LATITUDE -66.947	LONGITUDE -168.017	DPTH 3680	HT	BARO 983	WND 92	WNS 5	AIRTM -8.6						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OKYUP	OKYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
6	-1.758	-1.759	0.123	0.119	34.217	6.16	268	27.544	29.942	32.313	36.974	53.2	0.003	1439.9	5		
10	-1.774	-1.774	0.111	0.104	34.219	6.16	268	27.545	29.943	32.315	36.977	53.1	0.005	1439.9	9		
20	-1.770	-1.770	0.123	0.108	34.220	6.15	267	27.546	29.944	32.315	36.977	52.9	0.011	1440.1	19		
30	-1.766	-1.767	0.134	0.112	34.220	6.15	267	27.546	29.944	32.315	36.977	52.8	0.016	1440.3	29		
40	-1.763	-1.764	0.145	0.115	34.221	6.15	267	27.547	29.945	32.316	36.978	52.7	0.021	1440.5	39		
50	-1.761	-1.762	0.155	0.117	34.222	6.17	268	27.547	29.945	32.317	36.978	52.6	0.026	1440.6	49		
60	-1.753	-1.755	0.170	0.125	34.224	6.16	268	27.549	29.947	32.318	36.980	52.4	0.032	1440.8	59		
70	-1.695	-1.696	0.236	0.184	34.238	6.15	267	27.559	29.956	32.326	36.986	51.4	0.037	1441.3	69		
80	-1.642	-1.644	0.297	0.237	34.248	6.14	267	27.565	29.961	32.330	36.988	50.8	0.042	1441.7	79		
90	-1.567	-1.569	0.380	0.313	34.258	6.10	265	27.572	29.966	32.334	36.990	50.1	0.047	1442.3	89		
100	-1.535	-1.538	0.420	0.345	34.263	5.94	258	27.574	29.969	32.336	36.991	49.8	0.052	1442.6	98		
125	-1.168	-1.171	0.808	0.715	34.307	5.54	241	27.598	29.987	32.348	36.991	47.6	0.064	1444.8	123		
150	-0.153	-0.158	1.850	1.737	34.439	5.16	224	27.661	30.034	32.379	36.991	42.0	0.075	1450.1	148		
175	0.354	0.347	2.381	2.249	34.524	4.70	204	27.703	30.067	32.405	37.001	38.3	0.085	1453.0	173		
200	0.863	0.854	2.914	2.763	34.607	4.45	193	27.739	30.096	32.426	37.007	35.1	0.095	1455.8	197		
225	1.257	1.247	3.331	3.161	34.681	4.37	190	27.772	30.123	32.447	37.017	32.3	0.103	1458.1	222		
250	1.362	1.349	3.455	3.268	34.709	4.36	189	27.788	30.136	32.459	37.025	31.0	0.111	1459.0	247		
275	1.369	1.355	3.482	3.275	34.715	4.36	189	27.792	30.141	32.463	37.029	30.7	0.119	1459.4	271		
300	1.365	1.350	3.497	3.271	34.719	4.36	189	27.796	30.144	32.467	37.033	30.5	0.126	1459.8	296		
325	1.358	1.341	3.509	3.264	34.721	4.35	189	27.797	30.147	32.469	37.036	30.3	0.134	1460.2	321		
350	1.345	1.327	3.515	3.251	34.723	4.35	189	27.800	30.149	32.472	37.039	30.2	0.141	1460.6	346		
375	1.331	1.312	3.519	3.237	34.724	4.34	188	27.802	30.152	32.475	37.042	30.1	0.149	1460.9	370		
400	1.322	1.302	3.530	3.229	34.725	4.34	189	27.804	30.153	32.477	37.044	30.0	0.156	1461.3	395		
425	1.313	1.292	3.540	3.220	34.726	4.34	189	27.805	30.155	32.478	37.046	29.9	0.164	1461.6	420		
450	1.288	1.266	3.534	3.195	34.727	4.36	189	27.808	30.158	32.481	37.050	29.7	0.171	1461.9	444		
475	1.266	1.242	3.530	3.173	34.727	4.35	189	27.809	30.160	32.484	37.053	29.6	0.179	1462.3	469		
500	1.252	1.226	3.535	3.159	34.727	4.36	189	27.811	30.161	32.486	37.055	29.6	0.186	1462.6	494		
550	1.217	1.190	3.538	3.124	34.727	4.39	191	27.813	30.164	32.489	37.060	29.4	0.201	1463.3	543		
600	1.174	1.144	3.532	3.081	34.725	4.43	192	27.815	30.167	32.492	37.064	29.3	0.216	1463.9	592		
650	1.134	1.101	3.530	3.040	34.725	4.47	194	27.817	30.170	32.496	37.069	29.2	0.230	1464.5	642		
700	1.095	1.060	3.529	3.001	34.724	4.49	195	27.819	30.172	32.499	37.073	29.1	0.245	1465.2	691		
750	1.060	1.022	3.531	2.966	34.723	4.52	196	27.821	30.175	32.502	37.077	29.0	0.259	1465.9	740		
800	1.034	0.994	3.543	2.940	34.722	4.55	198	27.822	30.176	32.504	37.080	28.9	0.274	1466.6	790		
850	0.995	0.952	3.542	2.901	34.720	4.58	199	27.824	30.178	32.507	37.084	28.8	0.288	1467.2	839		
900	0.971	0.925	3.555	2.877	34.719	4.61	200	27.825	30.180	32.508	37.087	28.8	0.303	1467.9	888		
950	0.942	0.893	3.563	2.848	34.718	4.64	202	27.826	30.182	32.511	37.090	28.7	0.317	1468.6	938		
1000	0.916	0.864	3.575	2.822	34.717	4.66	203	27.827	30.183	32.512	37.092	28.7	0.332	1469.3	987		

SHCRUS NP9405	STNM 107U	YR/MO/DA 94/10/12	GTIME 03:14	LATITUDE -66.948	LONGITUDE -168.038	DPTH 3680	HT	BARO 983	WND 92	WNS 5	AIRTM -8.6						
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F13	BN	DPTH		
dbar	degC	pss	pss	ml/1	um/kg	um/kg	um/kg	um/kg	um/kg	um/m	pm/kg	pm/kg	pm/kg		m		
3	-1.750	34.218	34.215	6.15	268				2210	536				19	3		
21	-1.767	34.220	34.215	6.13	267	76.8	2.06	30.9	2210	536				17	21		
40	-1.759	34.221	34.219	6.16	268	76.8	2.05	30.7	2210	535				15	40		
70	-1.756	34.222	34.221	6.12	267	77.3	2.06	30.8	2210	538				13	69		
100	-1.510	34.265	34.262	6.06	257	77.5	2.05	30.9	2213	544				11	99		
160	0.247	34.506	34.503	5.08	212	84.6	2.14	31.8	2237	580				9	158		
280	1.369	34.715	34.711	4.36	189	93.9	2.17	32.3	2255	588				8	277		
500	1.255	34.727	34.725	4.39	189	101.7	2.16	32.3	2258	594				5	494		
801	1.035	34.721	34.720	4.53	198	108.4	2.21	32.2	2260	574				3	792		
1000	0.915	34.717	34.714	4.59	203	111.6	2.17	32.2	2258	574				1	987		

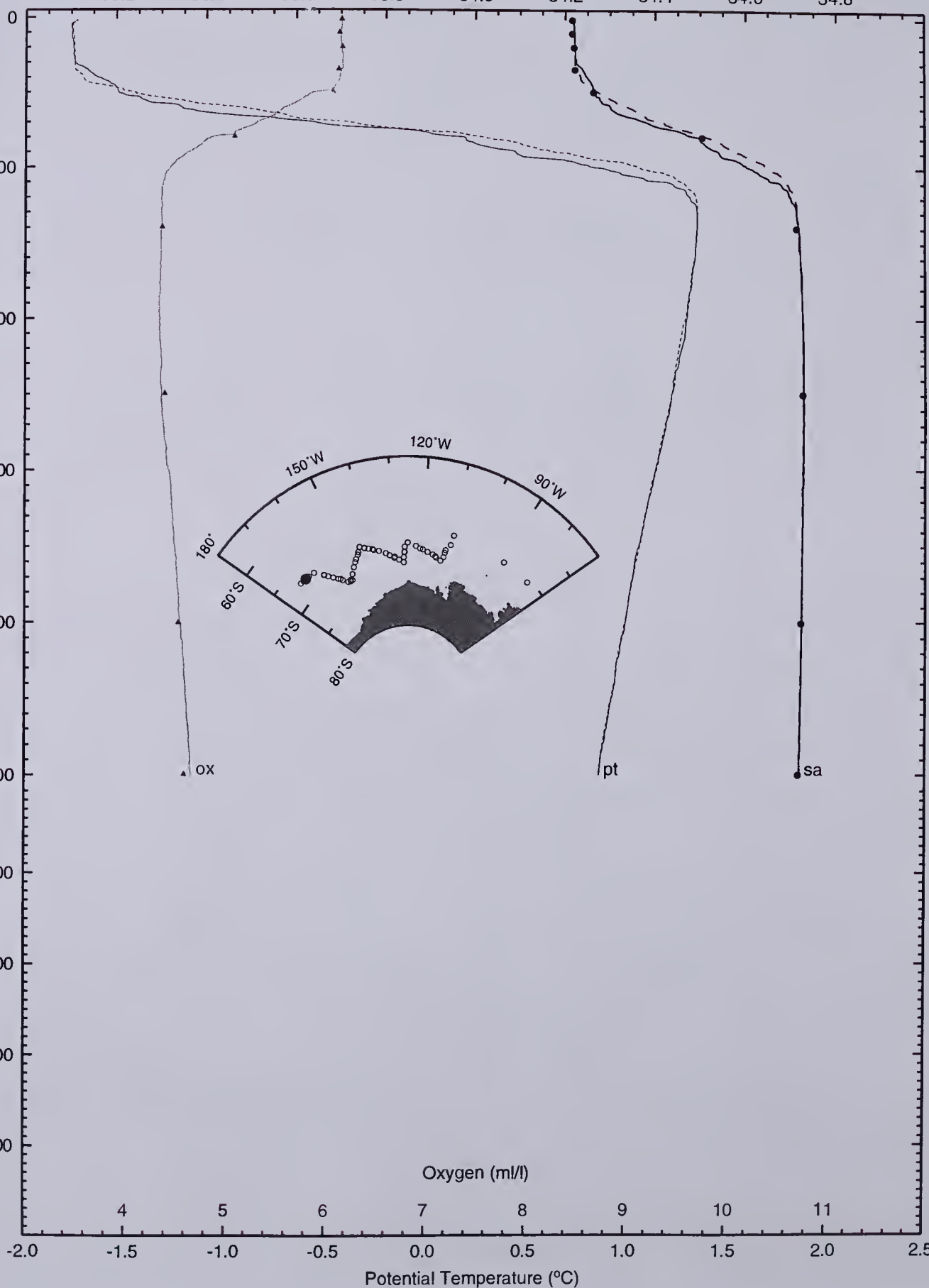
SHCRUS NP9405	STNM 107U	YR/MO/DA 94/10/12	GTIME 03:14	LATITUDE -66.948	LONGITUDE -168.038	DPTH 3680	HT	BARO 983	WND 92	WNS 5	AIRTM -8.6						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OKYUP	OKYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	ml/1	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
4	-1.747	-1.747	0.133	0.130	34.215	6.16	268	27.542	29.940	32.310	36.972	53.4	0.002	1439.9	3		
10	-1.769	-1.769	0.116	0.109	34.219	6.16	268	27.546	29.944	32.315	36.977	53.0	0.005	1439.9	9		
20	-1.765	-1.766	0.127	0.113	34.220	6.15	267	27.546	29.944	32.315	36.977	52.9	0.011	1440.1	19		
30	-1.760	-1.761	0.140	0.118	34.221	6.15	267	27.547	29.945	32.316	36.977	52.8	0.016	1440.3	29		
40	-1.759	-1.759	0.149	0.119	34.221	6.15	267	27.547	29.945	32.316	36.977	52.7	0.021	1440.5	39		
50	-1.758	-1.759	0.157	0.120	34.221	6.17	268	27.547	29.945	32.316	36.977	52.7	0.026	1440.7	49		
60	-1.757	-1.758	0.166	0.121	34.221	6.16	268	27.547	29.945	32.316	36.978	52.6	0.032	1440.8	59		
70	-1.752	-1.753	0.179	0.126	34.223	6.15	267	27.548	29.946	32.317	36.979	52.4	0.037	1441.0	69		
80	-1.712	-1.714	0.227	0.166	34.233	6.14	267	27.555	29.953	32.323	36.983	51.7	0.042	1441.4	79		
90	-1.635	-1.636	0.317	0.244	34.250	6.10	265	27.567	29.963	32.332	36.989	50.6	0.047	1441.9	89		
100	-1.475	-1.477	0.481	0.406	34.272	5.94	258	27.580	29.973	32.340	36.992	49.3	0.052	1442.9	98		
125</																	

Latitude 66 57 S  
Longitude 168 01 W

Salinity

NP9405 107

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8



Pressure (dbar)

Oxygen (ml/l)

Potential Temperature (°C)

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000

SHCRUS NP9405	STNM 108D	YR/MO/DA 94/10/12	GTIME 10:01	LATITUDE -66.999	LONGITUDE -169.246	DPTH 3564	HT 10	BARO 973	WND 93	WNS 13	AIRTM -7.6				
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>PRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH
dbar	degC	degC	degC	degC	ps	ml/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m
6	-1.767	-1.767	0.115	0.111	34.221	6.44	280	27.547	29.945	32.316	36.978	52.9	0.003	1439.9	5
10	-1.779	-1.780	0.106	0.099	34.223	6.43	279	27.549	29.947	32.319	36.981	52.7	0.005	1439.9	9
20	-1.777	-1.777	0.116	0.101	34.224	6.43	279	27.550	29.948	32.319	36.982	52.6	0.011	1440.1	19
30	-1.777	-1.778	0.123	0.101	34.224	6.41	279	27.550	29.948	32.319	36.982	52.5	0.016	1440.2	29
40	-1.774	-1.775	0.134	0.104	34.225	6.40	278	27.550	29.949	32.320	36.982	52.4	0.021	1440.4	39
50	-1.762	-1.763	0.153	0.116	34.229	6.35	276	27.553	29.951	32.322	36.984	52.1	0.026	1440.6	49
60	-1.700	-1.701	0.224	0.179	34.239	6.31	274	27.559	29.957	32.327	36.986	51.4	0.031	1441.1	59
70	-1.583	-1.585	0.349	0.297	34.255	6.22	270	27.569	29.964	32.332	36.988	50.5	0.037	1441.9	69
80	-1.298	-1.299	0.644	0.584	34.291	6.06	264	27.590	29.980	32.344	36.991	48.5	0.042	1443.4	79
90	-1.095	-1.097	0.856	0.788	34.316	5.97	259	27.603	29.990	32.350	36.991	47.3	0.046	1444.6	89
100	-0.881	-0.884	1.079	1.003	34.340	5.87	255	27.614	29.998	32.355	36.989	46.3	0.051	1445.8	98
125	-0.266	-0.270	1.717	1.623	34.418	5.49	239	27.650	30.024	32.372	36.987	43.0	0.062	1449.2	123
150	0.329	0.323	2.336	2.223	34.511	5.07	220	27.694	30.058	32.396	36.994	39.1	0.072	1452.4	148
175	0.787	0.780	2.817	2.685	34.584	4.74	206	27.725	30.083	32.414	36.998	36.4	0.082	1455.0	173
200	1.082	1.073	3.134	2.983	34.637	4.54	197	27.748	30.102	32.428	37.003	34.4	0.091	1456.8	197
225	1.274	1.263	3.347	3.178	34.677	4.41	192	27.768	30.119	32.442	37.012	32.7	0.099	1458.1	222
250	1.347	1.334	3.440	3.252	34.694	4.34	189	27.777	30.126	32.449	37.016	32.0	0.107	1458.9	247
275	1.389	1.375	3.501	3.295	34.708	4.32	188	27.785	30.133	32.456	37.021	31.4	0.115	1459.5	271
300	1.395	1.381	3.527	3.301	34.715	4.32	188	27.791	30.139	32.461	37.027	31.0	0.123	1460.0	296
325	1.391	1.375	3.542	3.297	34.718	4.32	188	27.793	30.142	32.464	37.029	30.8	0.131	1460.3	321
350	1.366	1.349	3.536	3.272	34.720	4.32	188	27.796	30.145	32.468	37.034	30.5	0.138	1460.6	346
375	1.355	1.336	3.544	3.261	34.722	4.32	188	27.799	30.148	32.471	37.038	30.3	0.146	1461.0	370
400	1.338	1.318	3.546	3.244	34.724	4.32	188	27.802	30.151	32.474	37.041	30.2	0.153	1461.3	395
425	1.315	1.294	3.541	3.221	34.724	4.33	188	27.804	30.153	32.477	37.045	30.1	0.161	1461.7	420
450	1.297	1.274	3.542	3.203	34.724	4.34	188	27.805	30.155	32.479	37.047	30.0	0.168	1462.0	444
475	1.279	1.255	3.543	3.186	34.725	4.35	189	27.807	30.157	32.481	37.050	29.9	0.176	1462.3	469
500	1.256	1.231	3.539	3.162	34.725	4.36	189	27.808	30.159	32.483	37.053	29.8	0.183	1462.6	494
550	1.222	1.194	3.543	3.129	34.725	4.38	190	27.811	30.162	32.487	37.057	29.7	0.198	1463.3	543
600	1.193	1.163	3.551	3.099	34.724	4.40	191	27.813	30.165	32.490	37.061	29.6	0.213	1464.0	592
650	1.163	1.131	3.559	3.069	34.724	4.43	193	27.815	30.167	32.492	37.065	29.5	0.228	1464.7	642
700	1.122	1.086	3.555	3.028	34.723	4.45	194	27.817	30.170	32.496	37.070	29.3	0.243	1465.3	691
750	1.089	1.051	3.560	2.995	34.722	4.47	194	27.819	30.172	32.499	37.074	29.3	0.257	1466.0	740
800	1.049	1.008	3.558	2.955	34.721	4.49	195	27.821	30.175	32.502	37.078	29.1	0.272	1466.6	790
850	1.016	0.973	3.562	2.922	34.720	4.51	196	27.822	30.176	32.504	37.081	29.0	0.286	1467.3	839
900	0.984	0.938	3.568	2.890	34.719	4.54	197	27.823	30.178	32.507	37.085	29.0	0.301	1468.0	888
950	0.956	0.906	3.577	2.861	34.718	4.56	198	27.825	30.180	32.509	37.088	28.9	0.315	1468.7	938
1000	0.926	0.874	3.585	2.832	34.717	4.57	198	27.826	30.182	32.511	37.091	28.8	0.330	1469.4	987
1100	0.870	0.813	3.605	2.776	34.715	4.59	199	27.828	30.185	32.515	37.097	28.7	0.358	1470.8	1085
1200	0.818	0.755	3.628	2.724	34.713	4.62	201	27.830	30.188	32.519	37.102	28.5	0.387	1472.2	1184
1300	0.756	0.687	3.640	2.662	34.710	4.63	201	27.833	30.191	32.523	37.108	28.3	0.415	1473.6	1282
1400	0.708	0.633	3.668	2.614	34.709	4.65	202	27.835	30.194	32.527	37.113	28.1	0.444	1475.0	1381
1500	0.668	0.587	3.703	2.573	34.707	4.68	203	27.836	30.196	32.530	37.118	27.9	0.472	1476.5	1479
1600	0.622	0.535	3.732	2.527	34.705	4.70	204	27.838	30.199	32.533	37.123	27.7	0.499	1478.0	1577
1700	0.575	0.482	3.761	2.480	34.704	4.72	205	27.840	30.201	32.536	37.127	27.5	0.527	1479.4	1675
1800	0.537	0.437	3.797	2.442	34.703	4.74	206	27.842	30.204	32.540	37.132	27.2	0.554	1480.9	1774
1900	0.493	0.387	3.829	2.398	34.702	4.76	207	27.844	30.207	32.544	37.137	26.9	0.582	1482.4	1872
2000	0.455	0.342	3.866	2.360	34.702	4.79	208	27.847	30.211	32.548	37.143	26.6	0.608	1483.9	1970
2100	0.422	0.302	3.908	2.327	34.702	4.81	209	27.849	30.213	32.551	37.147	26.3	0.635	1485.5	2068
2200	0.390	0.264	3.952	2.295	34.702	4.83	210	27.851	30.216	32.554	37.151	26.1	0.661	1487.0	2166
2300	0.361	0.227	3.998	2.266	34.701	4.85	211	27.853	30.218	32.557	37.155	25.8	0.687	1488.6	2264
2400	0.324	0.183	4.036	2.229	34.701	4.88	212	27.855	30.221	32.561	37.160	25.4	0.713	1490.1	2362
2500	0.293	0.144	4.080	2.198	34.701	4.90	213	27.857	30.224	32.564	37.164	25.1	0.738	1491.7	2460
2600	0.266	0.110	4.129	2.171	34.700	4.94	215	27.859	30.226	32.566	37.168	24.9	0.763	1493.2	2558
2700	0.235	0.072	4.174	2.140	34.700	4.97	216	27.860	30.228	32.569	37.171	24.6	0.788	1494.8	2655
2800	0.205	0.034	4.218	2.110	34.699	5.01	218	27.861	30.229	32.571	37.175	24.3	0.812	1496.4	2753
2900	0.191	0.012	4.280	2.096	34.698	5.03	219	27.862	30.231	32.573	37.177	24.2	0.836	1498.0	2851
3000	0.181	-0.007	4.345	2.086	34.698	5.05	219	27.863	30.232	32.574	37.179	24.1	0.860	1499.7	2949
3200	0.172	-0.034	4.486	2.077	34.698	5.08	221	27.864	30.233	32.576	37.182	24.0	0.908	1503.1	3144
3400	0.173	-0.051	4.638	2.078	34.698	5.12	222	27.865	30.234	32.577	37.184	24.0	0.956	1506.5	3339
3600	0.184	-0.058	4.800	2.089	34.697	5.16	224	27.865	30.235	32.578	37.184	24.1	1.004	1510.0	3534
3619	0.186	-0.058	4.816	2.091	34.697	5.17	225	27.865	30.235	32.578	37.184	24.2	1.009	1510.3	3552

SHCRUS NP9405	STNM 108U	YR/MO/DA 94/10/12	GTIME 13:05	LATITUDE -66.998	LONGITUDE -169.310	DPTH 3564	HT 10	BARO 973	WND 93	WNS 13	AIRTM -7.6				
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCOTD	SI03	P04	NO3	TCO2	PCO2	P11	P12	P13	B1	DPTH
dbar	degC	ps	ps	um/l	um/kg	um/kg	um/kg	um/kg	um/kg	uatm	pm/kg	pm/kg	pm/kg		m
10	-1.794	34.225	34.228	6.26	279	72.9	2.00	30.7	2209	530	3.11	1.94	0.44	24	10
100	-1.017	34.327	34.326	5.82	253	77.9	2.07	31.2	2221	547	3.33	1.54	0.29		

Latitude 67 00 S  
Longitude 169 15 W

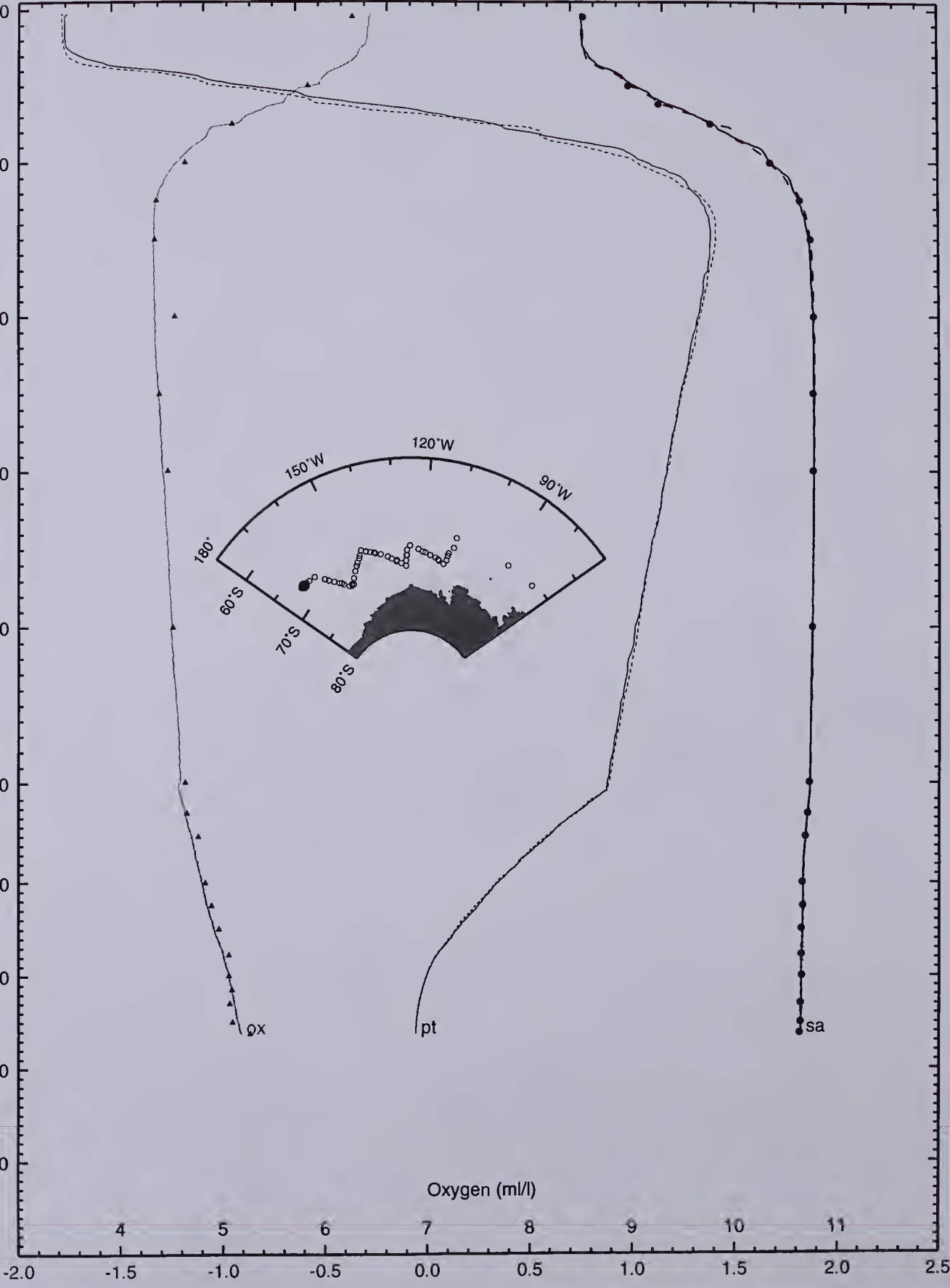
Salinity

NP9405 108

33.2 33.4 33.6 33.8 34.0 34.2 34.4 34.6 34.8

Pressure (dbar)

0  
200  
400  
600  
800  
1000  
2000  
3000  
4000  
5000



ox

pt

sa

Oxygen (ml/l)

4 5 6 7 8 9 10 11

Potential Temperature (°C)

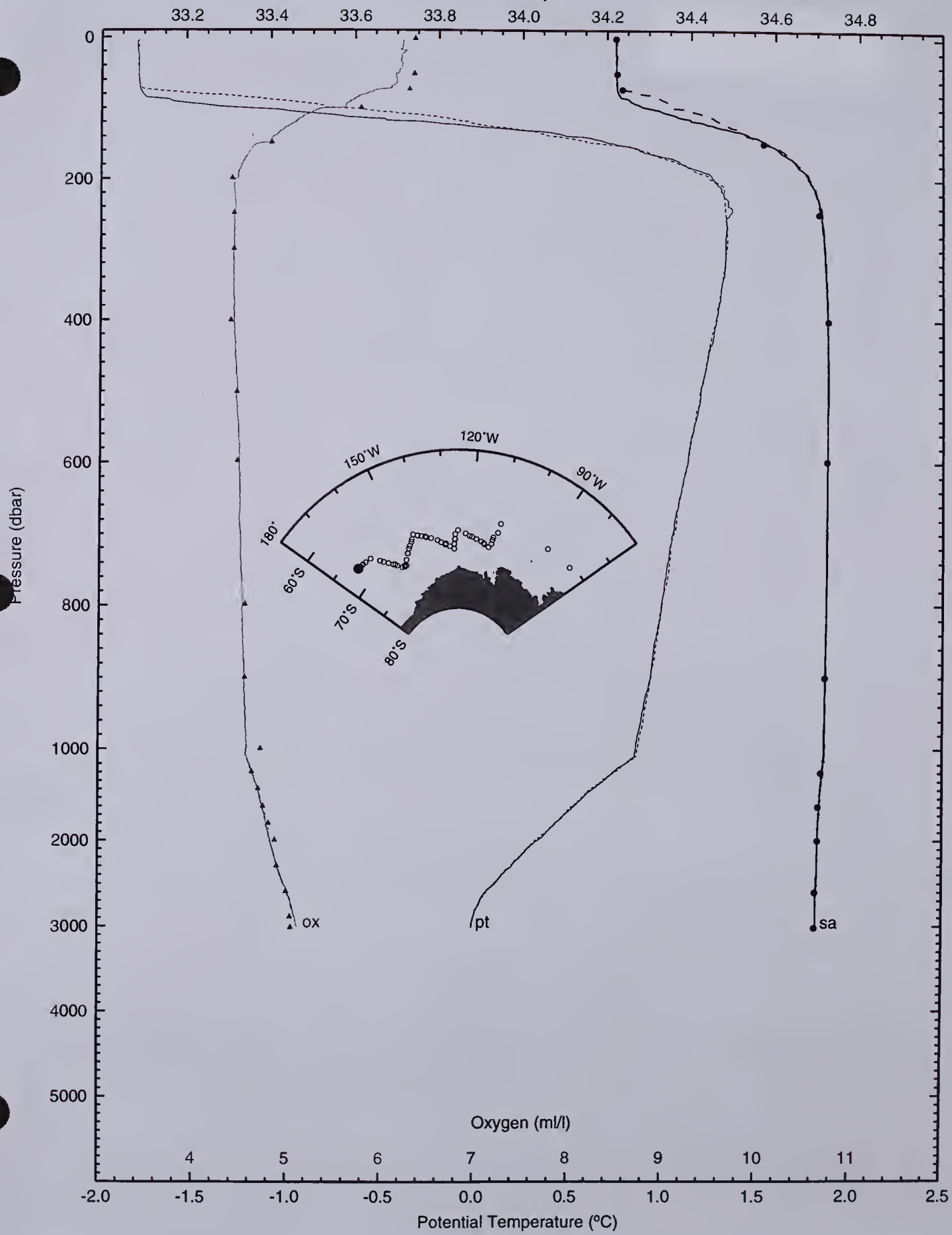
SHCRUS NP9405	STNM 109D	YR/MO/DA 94/10/12	GTIME 21:11	LATITUDE -66.947	LONGITUDE -170.586	DPTH 2981	HT 10	BARO 968	WND 82	WNS 5	AIRTM -6.3						
PRES	TEMPCTD	POTEMP	TE>FRZ	TE>FRS	SALCTD	OXYUP	OXYUP	SIGMA-0	SIGMA.5	SIGMA-1	SIGMA-2	ANOM	GEOPT	SVELOC	DPTH		
dbar	degC	degC	degC	degC	pss	m/l	um/kg	g/m3	g/m3	g/m3	g/m3		dyn.m	m/s	m		
6	-1.810	-1.810	0.072	0.068	34.221	6.21	270	27.548	29.947	32.319	36.982	52.8	0.003	1439.7	5		
10	-1.811	-1.811	0.074	0.067	34.221	6.21	270	27.548	29.947	32.319	36.982	52.8	0.005	1439.7	9		
20	-1.806	-1.807	0.087	0.072	34.221	6.23	271	27.548	29.947	32.319	36.982	52.7	0.011	1439.9	19		
30	-1.803	-1.804	0.097	0.075	34.221	6.20	269	27.548	29.947	32.319	36.982	52.6	0.016	1440.1	29		
40	-1.802	-1.804	0.105	0.075	34.222	6.21	270	27.548	29.947	32.319	36.982	52.6	0.021	1440.3	39		
50	-1.802	-1.804	0.113	0.075	34.222	6.16	268	27.549	29.947	32.319	36.982	52.5	0.026	1440.4	49		
60	-1.800	-1.801	0.123	0.078	34.222	6.14	267	27.549	29.948	32.319	36.982	52.4	0.032	1440.6	59		
70	-1.795	-1.797	0.135	0.083	34.223	6.09	265	27.549	29.948	32.320	36.983	52.3	0.037	1440.8	69		
80	-1.779	-1.781	0.159	0.099	34.228	5.82	253	27.552	29.951	32.322	36.985	51.9	0.042	1441.0	79		
90	-1.620	-1.622	0.328	0.260	34.255	5.66	246	27.570	29.966	32.335	36.992	50.2	0.047	1442.0	89		
100	-1.259	-1.262	0.698	0.623	34.298	5.49	239	27.594	29.984	32.347	36.993	48.0	0.052	1443.9	98		
125	-0.081	-0.085	1.905	1.810	34.453	5.00	217	27.669	30.040	32.385	36.994	41.3	0.063	1450.1	123		
150	0.733	0.727	2.744	2.631	34.582	4.73	205	27.727	30.085	32.417	37.002	36.1	0.073	1454.4	148		
175	1.090	1.082	3.124	2.992	34.645	4.52	196	27.755	30.108	32.434	37.009	33.7	0.082	1456.5	173		
200	1.278	1.268	3.332	3.182	34.680	4.44	193	27.770	30.120	32.444	37.013	32.5	0.090	1457.7	197		
225	1.339	1.328	3.414	3.244	34.699	4.42	192	27.781	30.130	32.453	37.020	31.6	0.098	1458.5	222		
250	1.367	1.355	3.461	3.273	34.710	4.42	192	27.788	30.137	32.459	37.026	31.0	0.106	1459.0	247		
275	1.352	1.339	3.465	3.258	34.714	4.42	192	27.792	30.141	32.464	37.031	30.7	0.113	1459.3	271		
300	1.350	1.335	3.482	3.256	34.716	4.41	192	27.794	30.143	32.466	37.033	30.6	0.121	1459.7	296		
325	1.347	1.331	3.498	3.253	34.718	4.41	192	27.796	30.145	32.468	37.035	30.5	0.129	1460.1	321		
350	1.331	1.314	3.501	3.237	34.720	4.41	192	27.799	30.148	32.471	37.039	30.3	0.136	1460.5	346		
375	1.320	1.301	3.509	3.226	34.722	4.42	192	27.801	30.151	32.474	37.042	30.1	0.144	1460.9	370		
400	1.303	1.283	3.510	3.209	34.723	4.42	192	27.803	30.153	32.477	37.045	30.0	0.151	1461.2	395		
425	1.289	1.268	3.515	3.195	34.724	4.43	192	27.805	30.155	32.479	37.047	29.9	0.159	1461.5	420		
450	1.264	1.241	3.509	3.170	34.724	4.43	193	27.807	30.158	32.482	37.051	29.7	0.166	1461.8	444		
475	1.246	1.222	3.510	3.152	34.724	4.45	193	27.809	30.160	32.484	37.054	29.7	0.174	1462.2	469		
500	1.227	1.202	3.510	3.133	34.724	4.45	193	27.810	30.161	32.486	37.056	29.6	0.181	1462.5	494		
550	1.193	1.165	3.514	3.099	34.724	4.47	194	27.812	30.164	32.489	37.061	29.5	0.196	1463.2	543		
600	1.163	1.133	3.522	3.069	34.723	4.48	195	27.814	30.166	32.492	37.064	29.4	0.210	1463.8	592		
650	1.121	1.088	3.517	3.027	34.723	4.49	195	27.817	30.169	32.495	37.069	29.2	0.225	1464.5	642		
700	1.089	1.054	3.523	2.995	34.722	4.50	195	27.819	30.172	32.498	37.073	29.2	0.240	1465.2	691		
750	1.060	1.022	3.531	2.966	34.722	4.50	196	27.820	30.174	32.501	37.077	29.1	0.254	1465.9	740		
800	1.038	0.997	3.547	2.944	34.721	4.53	197	27.821	30.175	32.503	37.079	29.0	0.269	1466.6	790		
850	1.005	0.961	3.551	2.911	34.720	4.53	197	27.823	30.177	32.505	37.083	28.9	0.283	1467.3	839		
900	0.986	0.940	3.570	2.892	34.719	4.54	197	27.824	30.179	32.507	37.085	28.9	0.298	1468.0	888		
950	0.944	0.895	3.566	2.850	34.718	4.56	198	27.826	30.181	32.510	37.089	28.8	0.312	1468.6	938		
1000	0.913	0.861	3.572	2.819	34.717	4.57	199	27.827	30.183	32.512	37.092	28.7	0.327	1469.3	987		
1100	0.864	0.806	3.598	2.770	34.715	4.61	200	27.829	30.186	32.516	37.098	28.6	0.355	1470.8	1085		
1200	0.803	0.740	3.612	2.709	34.713	4.63	201	27.831	30.189	32.520	37.104	28.4	0.384	1472.1	1184		
1300	0.759	0.690	3.643	2.665	34.711	4.66	203	27.833	30.192	32.524	37.109	28.2	0.412	1473.6	1282		
1400	0.709	0.634	3.668	2.615	34.709	4.70	204	27.835	30.195	32.527	37.114	28.0	0.440	1475.0	1381		
1500	0.661	0.580	3.696	2.567	34.707	4.72	205	27.837	30.197	32.531	37.119	27.8	0.468	1476.5	1479		
1600	0.621	0.534	3.731	2.526	34.706	4.74	206	27.839	30.200	32.534	37.123	27.7	0.496	1478.0	1577		
1700	0.576	0.482	3.761	2.481	34.705	4.76	207	27.841	30.202	32.537	37.128	27.4	0.523	1479.4	1675		
1800	0.533	0.433	3.794	2.438	34.703	4.78	208	27.843	30.205	32.541	37.133	27.2	0.551	1480.9	1774		
1900	0.496	0.390	3.832	2.401	34.703	4.80	209	27.845	30.208	32.544	37.138	26.9	0.578	1482.4	1872		
2000	0.455	0.342	3.866	2.360	34.702	4.83	210	27.847	30.211	32.548	37.143	26.6	0.605	1483.9	1970		
2100	0.405	0.285	3.891	2.310	34.702	4.85	211	27.850	30.214	32.552	37.149	26.2	0.631	1485.4	2068		
2200	0.370	0.243	3.932	2.275	34.701	4.88	212	27.852	30.217	32.555	37.153	25.9	0.657	1486.9	2166		
2300	0.338	0.204	3.975	2.243	34.701	4.91	213	27.854	30.220	32.559	37.158	25.6	0.683	1488.5	2264		
2400	0.291	0.151	4.003	2.196	34.701	4.93	214	27.856	30.223	32.563	37.163	25.1	0.708	1490.0	2362		
2500	0.263	0.115	4.050	2.168	34.700	4.97	216	27.858	30.225	32.565	37.167	24.9	0.733	1491.5	2460		
2600	0.223	0.068	4.085	2.127	34.699	5.00	217	27.860	30.227	32.569	37.171	24.5	0.758	1493.0	2558		
2700	0.199	0.037	4.138	2.104	34.698	5.04	219	27.860	30.229	32.570	37.174	24.3	0.782	1494.6	2655		
2800	0.184	0.013	4.197	2.089	34.698	5.06	220	27.862	30.231	32.572	37.177	24.1	0.806	1496.3	2753		
2900	0.179	-0.000	4.268	2.084	34.698	5.09	221	27.863	30.231	32.574	37.178	24.0	0.830	1498.0	2851		
3000	0.177	-0.010	4.341	2.083	34.698	5.11	222	27.863	30.232	32.574	37.179	24.0	0.854	1499.7	2949		
3021	0.179	-0.011	4.359	2.084	34.698	5.13	223	27.863	30.232	32.574	37.179	24.0	0.859	1500.0	2969		

SHCRUS NP9405	STNM 109U	YR/MO/DA 94/10/12	GTIME 23:30	LATITUDE -66.951	LONGITUDE -170.590	DPTH 2981	HT 10	BARO 968	WND 82	WNS 5	AIRTM -6.3						
PRES	TEMPCTD	SALCTD	SALBOT	OXBOT	OXCTD	SI03	PO4	NO3	TCO2	PCO2	F11	F12	F113	BN	DPTH		
dbar	degC	pss	pss	m/l	uM/kg	uM/kg	uM/kg	uM/kg	uM/kg	uM/kg	pM/kg	pM/kg	pM/kg		m		
2	-1.803	34.223	34.221	6.34	270	74.5	2.03	30.2	2207	530				24	2		
52	-1.802	34.223	34.224	6.33	267	73.7	2.04	30.2	2209	529				22	51		
74	-1.788	34.227	34.236	6.28	260	73.8	2.05	30.2	2209	531				21	73		
100	-0.815	34.358		5.76	237	77.8	2.11	31.0	2222	560				20	99		
150	0.597	34.560	34.571	4.81	205	85.4	2.17	32.2	2244	595				19	149		
200	1.264	34.678		4.39	193	91.6	2.20	32.2	2251	602				18	198		
249	1.345	34.705	34.703	4.41	192	93.3	2.20	31.9	2253	598				17	246		
300	1.356	34.716		4.41	192	95.6	2.19	31.8	2256	586				16	297		
401	1.307	34.723	34.725	4.38	192	99.3	2.20	32.1	2256	589				15	396		
501	1.226	34.724		4.45	193	102.1	2.21	31.8	2255	584</							

Latitude 66 57 S  
Longitude 170 35 W

Salinity

NP9405 109





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