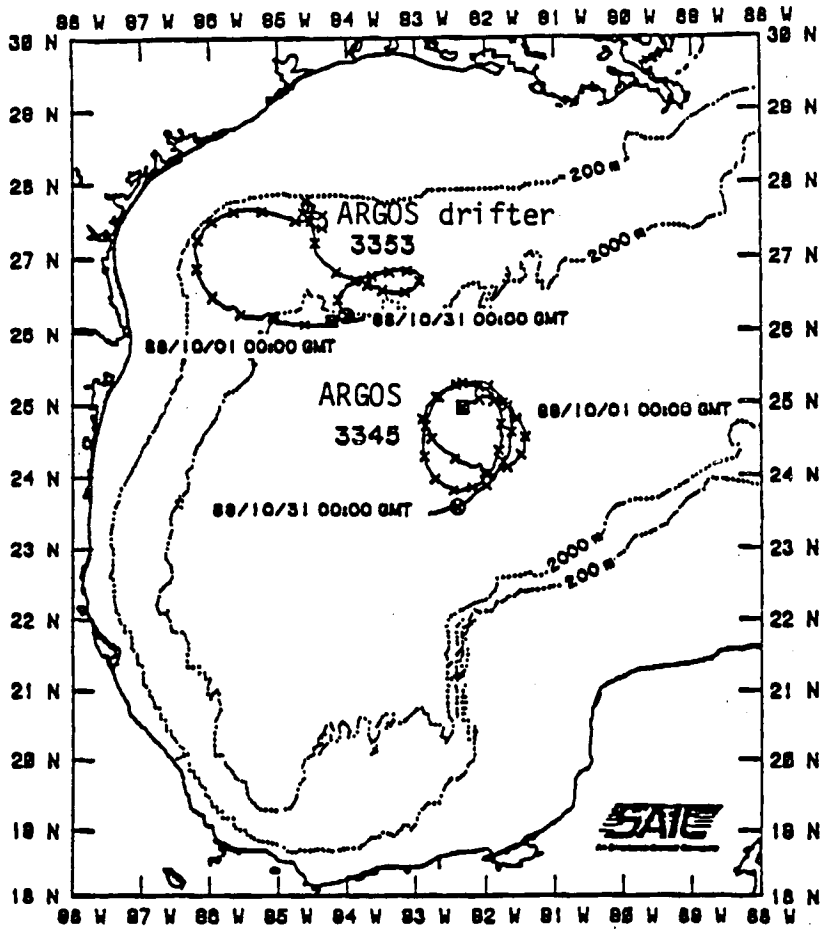
HYDROGRAPHIC DATA FROM THE TEXAS CONTINENTAL SHELF AND NORTHWEST CONTINENTAL SLOPE OF THE GULF OF MEXICO: TAMU ECOSYSTEM RESEARCH GROUP "RINGS" CRUISE 88G-05



Technical Report 88-05-T of the Department of Oceanography
of Texas A&M University, College Station, TX 77843

Prepared for the US Minerals Management Service by the Technical Support Services Group of Texas A&M University to archive oceanographic data collected in cooperation with the Republic of Mexico Direccion General de Oceanografia Naval

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for TAMU Technical Support Services Group

22 November 1988

ACKNOWLEDGMENTS

R/V GYRE "rings" cruise 88G-05 was planned by Texas A&M University in collaboration with Science Applications International Corporation and the Republic of Mexico Direccion General de Oceanografia Naval. Mexico sent two scientists to work with us to carry out the fieldwork, Texas A&M University funded the shiptime and provided salary for four of the Marine and Electronics Technicians who supported this 10-day field effort, and a grant from the US Minerals Management Service provided salary support for four additional technicians. The SAIC Gulf of Mexico program office in Raleigh, NC, provided us with XBTs and also shared data with us showing the trajectories of Argos drifters which they had deployed earlier in 1988 in two warm-core rings. Maps of drifter trajectories through 13 October that SAIC provided pre-cruise are shown on page 6, and a summary map of two drifter trajectories that SAIC generated post-cruise to summarize the locations of warm core rings during the period 1-31 October is shown on the cover. Guided by the SAIC Argos maps and a 9 October AVHRR map of NW Gulf of Mexico sea surface temperature that we received before we sailed from Roffer's Ocean Fishing Forecasting Services in Miami, FL, we had sufficient overview information about the mesoscale circulation pre-cruise that we decided to use R/V GYRE to survey an "old" ring west of 94W, before it merged with a "new", incoming ring which SAIC would study concurrently with R/V PELICAN and NORDA aircraft.

At sea on GYRE 88G-05, our science party received cheerful support from the crew chartered to staff GYRE from Hornbeck Offshore Services and from Deck Engineers Desmond Rolf and David Barrow, who sailed with us from the TAMU Marine Operations group in Galveston to run GYRE's winches, cranes, and A-frames.

ABOUT THIS PUBLICATION:

Partial funding was provided by the Minerals Management Service under purchase order "Texas A&M University/RV Gyre Ship-of-Opportunity Cruise; October 1988," Purchase Order 10137. For additional information about this document, please contact the Environmental Studies Section (LE-4), Gulf of Mexico OCS Region, 1201 Elmwood Park Boulevard, New Orleans, Louisiana 70123-2394, (504) 736-2896.

BRIEF DESCRIPTION OF CRUISE AND SCIENTIFIC RESULTS

Training and research in support of the TAMU multidisciplinary Ecosystem Research Group was conducted with a full shipboard science party of 19 persons, made up of Chief Scientist D.C. Biggs, 5 graduate students and 8 technicians from the Department of Oceanography at TAMU College Station, a research assistant from the Geochemical and Environmental Research Group at TAMU College Station, a research assistant from TAMU Galveston, a visiting scientist from the Institute of Marine Science at the University of Texas in Port Aransas, and 2 visiting scientists (Alberto M. Perez Franco and Elizabeth N. Herrera Castillo) from the Direccion General de Oceanografia Naval in Mexico City.

This cruise continued and extended the cooperation between TAMU and Mexico's naval oceanographic division that we'd begun in the fall of 1987, on GYRE cruises 87G-11 (in which Alberto Perez had participated) and 87G-12 (in which Elizabeth Herrera had participated). As in the fall of 1987, the cruise track covered the upper continental slope as well as the continental shelf of the northwest Gulf of Mexico with a grid of closely-spaced CTD and XBT stations. During this cruise, we kept in radio contact with Dr. Jim Singer and Dr. Van Waddell of Science Applications International Corporation, who were coordinating XBT work from R/V PELICAN and AXBT drops from NORDA aircraft to survey an incoming warm ring to the south and east of GYRE's field area.

Cruise 88G-05 departed Galveston at 8 AM on 15 October and after a brief port stop in Port Aransas on the afternoon of 23 October returned to Galveston at 1 PM on 24 October, after 10 days and 1000 nautical miles at sea. Projects carried out included:

1) Survey the T/S and nutrients + oxygen + chlorophyll signature of a mesoscale warm-core ring in the NW Gulf, as a Fall 1988 follow-up to Fall 1987 GYRE cruises 87G-11 and 87G-12 and Spring 1987 GYRE cruise 87G-04;

2) Make collections with drifting sediment traps near the center of the warm ring;

3) Transect the continental shelf with "standard" stations in water depths of 20m, 50m, 100m and 200m off Galveston and off Corpus Christi. At each station,

   a) do a vertical profile of the water column with CTD/rosette multisampler, taking bottle samples every 5m (20m station), 10m (50m and 100m stations) or 20m (200m station) for analysis of nutrients + oxygen + chlorophyll;

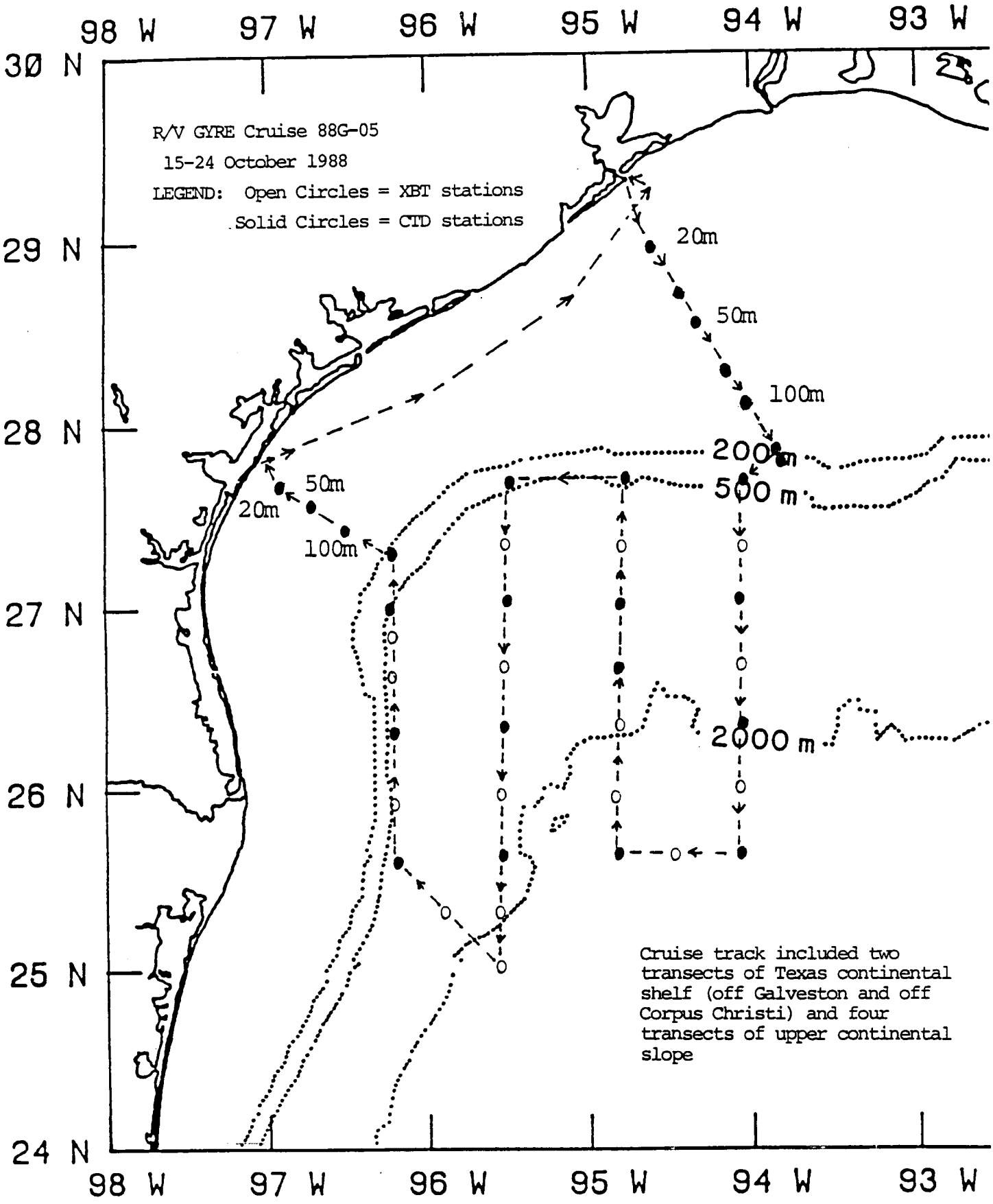
   b) take 6 samples with Small Box Core to describe benthic biomass, trace metal content, hydrocarbon composition, and bacteria/meiofauna biomass;

4) Make collections with 30-foot otter trawl at 200m, 300m, and 400m along the upper continental slope just seaward of the shelf transects off Galveston and off Corpus Christi;

5) Make daily measurements of 14C production to compare primary productivity of shelf with slope regions of the NW Gulf, and warm ring with adjacent slope;

6) Compile surface data on temperature, salinity and chlorophyll continuously throughout the cruise to continue/extend a local reference for remote sensing AVHRR data, for the TAMU Sea Grant program.

Figure 1: Cruise track for R/V GYRE cruise 88G-05



Type of Observations	No. of Stas. or Observs.	Type of Observations	No. of Stas. or Observs.
Rock Dredge		Underway sfc. temperature	logged every minute
Grab sampler	6 at each shelf station and	Underway sfc. salinity	logged every minute
Piston Corer	2 at 300m, 400m off Galveston	Irradiance	logged every minute
Gravity Corer		STD/CTD	every 40 n miles
Box Corer		XBT	every 20 n miles
Bottom Photography		Optical Measurements	
Seabed engineering studies		Acoustics measurements	
Magnetics		Bottom Trawls	six upper slope stations
Gravity		Zooplankton tows	Bongo nets, 18 stations
Bathymetry	to check depth, at each CTD	Phytoplankton tows	each 14C station
Subbottom profiling		Neuston tows	
Side-scan sonar		Dip-net collections	
Current meter		Midwater trawls	
Drift cards or bottles		Chlorophyll measurements	continuous in vivo as well as bottles
Drogues		Primary product. measuremts.	9 stations
Swallow floats		PAR photometer profiles	every 14C station
Dye dispersal measurements		Transmissometer meas.	every CTD cast
Tide gauge measurements		Interstitial water meas.	
Bottom pressure gauges		Suspended matter meas.	each CTD cast
Sea/Swell observations		Scientific diving	
Meteorological observations		Research submersible opers.	

(mark "c" if observations were taken continuously)

Analyses		Analyses	
Salinity	all bottles, each CTD station	Trace elements	sample of mud from each box
Oxygen	all bottles, each CTD station	Radioactivity	core station
Phosphorous		Dissolved gases	
Nitrogen	by AA-II autoanalyzer on board,	Hydrocarbons	sample of mud from each box
Silicon	at each CTD station, all bottles	Suspended matter	core station
pH		Particulate carbon	
Alkalinity	on all samples for 14C uptake	Dissolved org. carbon	
Interstitial analyses			

Other observations or analyses: 250ml samples from most depths in upper 100m at each CTD station were preserved for analysis of phytoplankton species composition; subsamples were taken from each box core station for bacteria + meiofauna counts; 3-liters of water from 6 depths in upper 100m was filtered for pigments analysis by HPLC at drifting sediment trap deployment station in Warm Ring.

SCIENTIFIC PERSONNEL ABOARD

Name:	Title:	Affiliation:
1. D.C. Biggs, Chief Scientist	Associate Professor	Dept of Oceanography, TAMU
2. Dean Stockwell, Research Scientist	Univ. Texas Marine Science Institute	
3. Alberto Perez, Visiting Scientist	Mexico Direccion de Oceanografia Naval	
4. Elizabeth Herrera, Visiting Scientist	Mexico Direccion de Oceanografia Naval	
5. Anton Voss, Research Assistant	Geochemical & Environmental Research Group	TAMU
6. Bob Huntington, Research Assistant	Marine Biology Group	TAMU at Galveston
7. D.J. Murphy	Electronics Tech	Dept of Oceanography, TAMU
8. R.V. Pittman	Electronics Tech	"
9. Eddie Webb	Electronics Tech	"
10. Ken Bottom	Marine Tech	"
11. Glenn Casey	Marine Tech	"
12. Dennis Guffy	Autoanalyzer Tech	"
13. Mark Spears	Autoanalyzer Tech	"
14. Denise Hudson	14C Productivity Tech	"
15. Ian Walsh	Graduate Student Chief Scientist	"
16. Kathleen Cole	Graduate Student	"
17. Ed Dever	Graduate Student	"
18. Jim Simons	Graduate Student	"
19. Ken Deslarzes	Graduate Student	"

SURVEY OF WARM-CORE RING

Guided by a map of the trajectories of Argos drifter 3359 that was provided to us by the Minerals Management Service via SAIC (Fig. 2), we chose to focus our mesoscale ring survey work on a relict warm ring that in October 1988 was located over the extreme NW corner of the continental slope of the Gulf of Mexico. Concurrently, R/V PELICAN and an AXBT program would survey an incoming warm ring tagged by Argos drifter 3345 that several lines of evidence indicated had separated from the Loop Current in May 1988.

We used a Seabird SBE-09 Deep Ocean CTD that is outfitted with dual temperature and conductivity sensors and Sippican T-7 XBTs to survey the ring. The CTD is owned by TAMU; the XBTs were kindly provided to us by the Minerals Management Service via SAIC. All CTD salinity data were corrected by adding +0.030 to the raw data: we empirically determined that the offset between CTD salinity and bottle salinity that we measured at sea with a Guildline AutoSal conductive salinometer averaged -0.040 $\pm$ 0.003; however, we went with 0.030 so that reported values of salinity in the salinity minimum usually found between 700-900m would average 34.889 $\pm$ 0.001 (see Table 1, next page). No correction was made to CTD temperature, since reversing thermometers indicated no significant difference between bottle and CTD temperature; however, we subtracted 0.49 C from the raw XBT data to bring it into agreement with the CTD temperature data (see Table 2, next page).

On each of GYRE's four hydrographic lines along 94 00'W, 94 45'W, 95 30'W and 96 15'W, we alternated CTD with XBT stations. The resultant grid had 40 nautical mile spacing between CTD stations both in north-south and east-west directions, with 20 nautical mile detail for vertical temperature structure available from the XBTs.

At each of the CTD stations, twenty-four 10-liter Niskin bottles were tripped on the upcast for analysis of nutrients, dissolved oxygen, and chlorophyll + acid degradation products. Nutrient analyses for nitrate, nitrite, ammonium, urea, silicate and phosphate were carried out on board, with a Technicon AA-II six channel autoanalyzer. Dissolved oxygen was determined by a modified Winkler titration method, and pigments were estimated by the "Turner" fluorometric method (see Parsons et al, 1985). A Seatech 25cm pathlength transmissometer attached to the CTD provided information about suspended particle concentrations.

Oblique hauls, 0-100m, were made with 70cm diameter Bongo nets that were towed for 30 minutes at each of the CTD stations. One of the pair of nets was 333-μm mesh, while the other was 505-μm mesh; volume of water filtered was estimated by General Oceanics impeller type flowmeters strung across the mouth of each net.

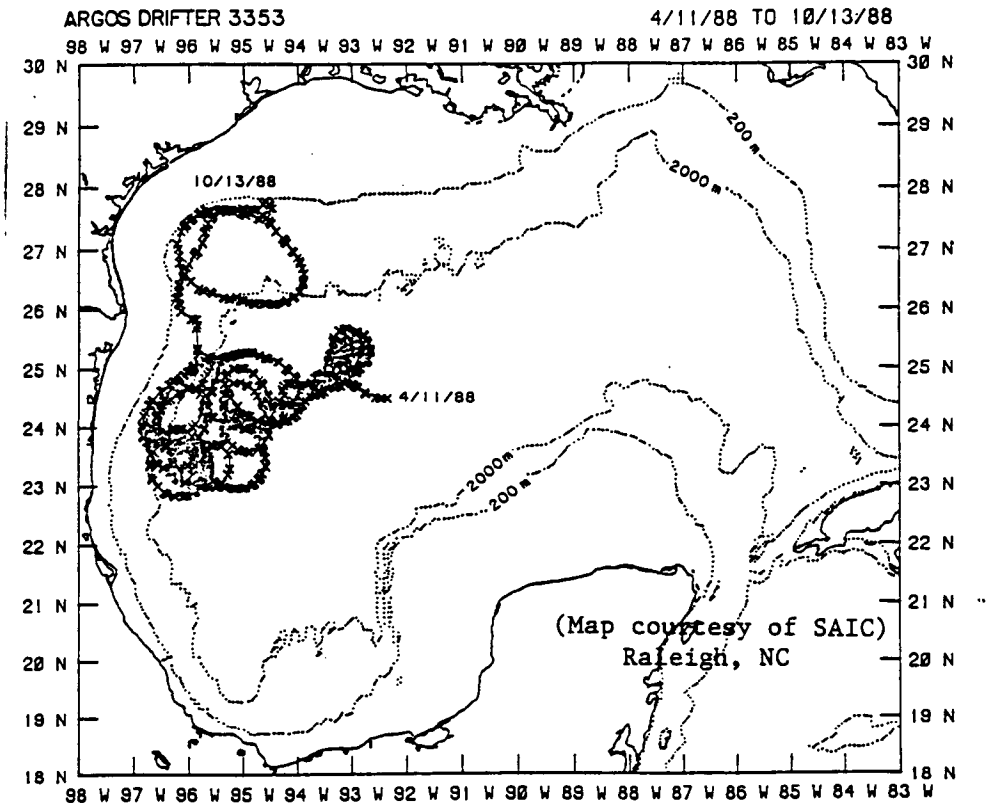
TABLE 1: Salinity Minimum in the NW Gulf of Mexico

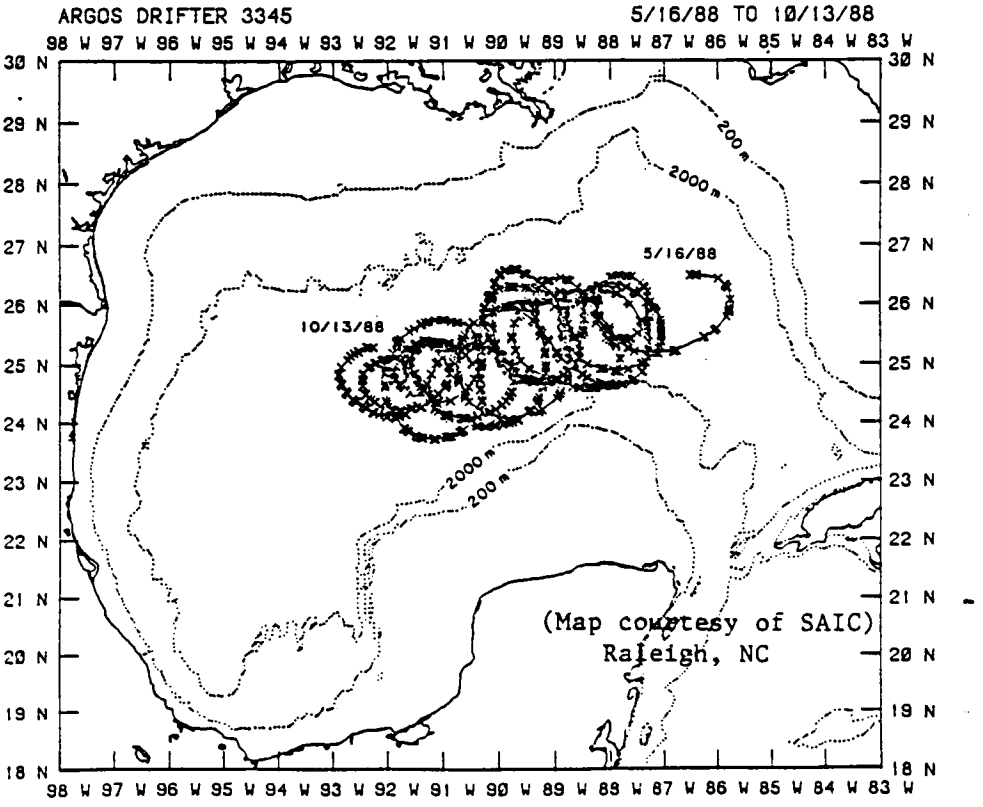
Station	Depth	Corrected CTD Salinity	CTD Temperature
12	730-735	34.890	5.97 - 6.01
14	690-695	34.889	6.23 - 6.25
	715-725	34.889	6.14 - 6.19
16	805-810	34.891	6.11 - 6.13
18	725-730	34.890	6.02 - 6.04
21	785-790	34.890	6.27 - 6.29
23	805-810	34.888	6.07 - 6.12
24	830-835	34.890	6.05 - 6.08
25	825-830	34.887	6.00 - 6.02
26	800-805	34.887	6.17 - 6.19
27	800-805	34.889	6.09 - 6.12
28	780-790	34.889	6.26 - 6.30
33	870-880	34.890	6.10 - 6.19
35	805-815	34.886	6.19 - 6.29
37	795-800	34.889	6.15 - 6.17

TABLE 2: Comparison of XBT with CTD Temperature

Station	Probe S/N	Uncorrected XBT Temp (Z = 3 m)	CTD Temperature (Z = 3m)	Offset, XBT-CTD
12	595970	26.89	26.40	0.49
14	595973	27.47	26.83	0.64
16	595980	27.80	27.28	0.52
18	595976	27.19	27.70	0.49
21	595978	27.13	26.55	0.58
27	595916	27.04	26.60	0.44
28	595822	26.91	26.44	0.47
30	595823	27.31	26.81	0.50
31	595819	27.08	26.65	0.43
33	595824	26.98	26.54	0.44
35	595815	27.16	26.67	0.49
37	595817	27.23	26.74	0.49
41	595889	27.16	26.70	0.46
43	595891	27.06	26.54	0.52
46	595894	27.05	26.60	0.45
			MEAN =	0.49

Figure 2: Trajectories of ARGOS drifters in the western Gulf of Mexico.





CTD AND XBT DATA

The following pages present tables and plots of 5m-averaged data. As explained on page 4, raw data XBT temperatures were corrected by -0.49 so that they would agree with raw data CTD temperatures, and raw data CTD salinities were corrected by +0.030 so that vertical profiles would more closely agree with bottle salinities and with the historical data for salinity at the depth of the salinity minimum in the western Gulf of Mexico (Morrison et al., 1983). Triangles on the vertical profiles of corrected salinity versus depth present bottle salinity determined using our Guildline AutoSal.

At the end of this section is a map of the depth of the 15°C isotherm that was generated from the corrected XBT data; it shows the general dimensions of the relict warm ring as well as the approximate position of the leading edge of a second, incoming warm ring in relation to our survey grid. Following this map is a composite temperature-salinity plot of 5m averaged data from all CTD stations that were made on cruise 88G-05.

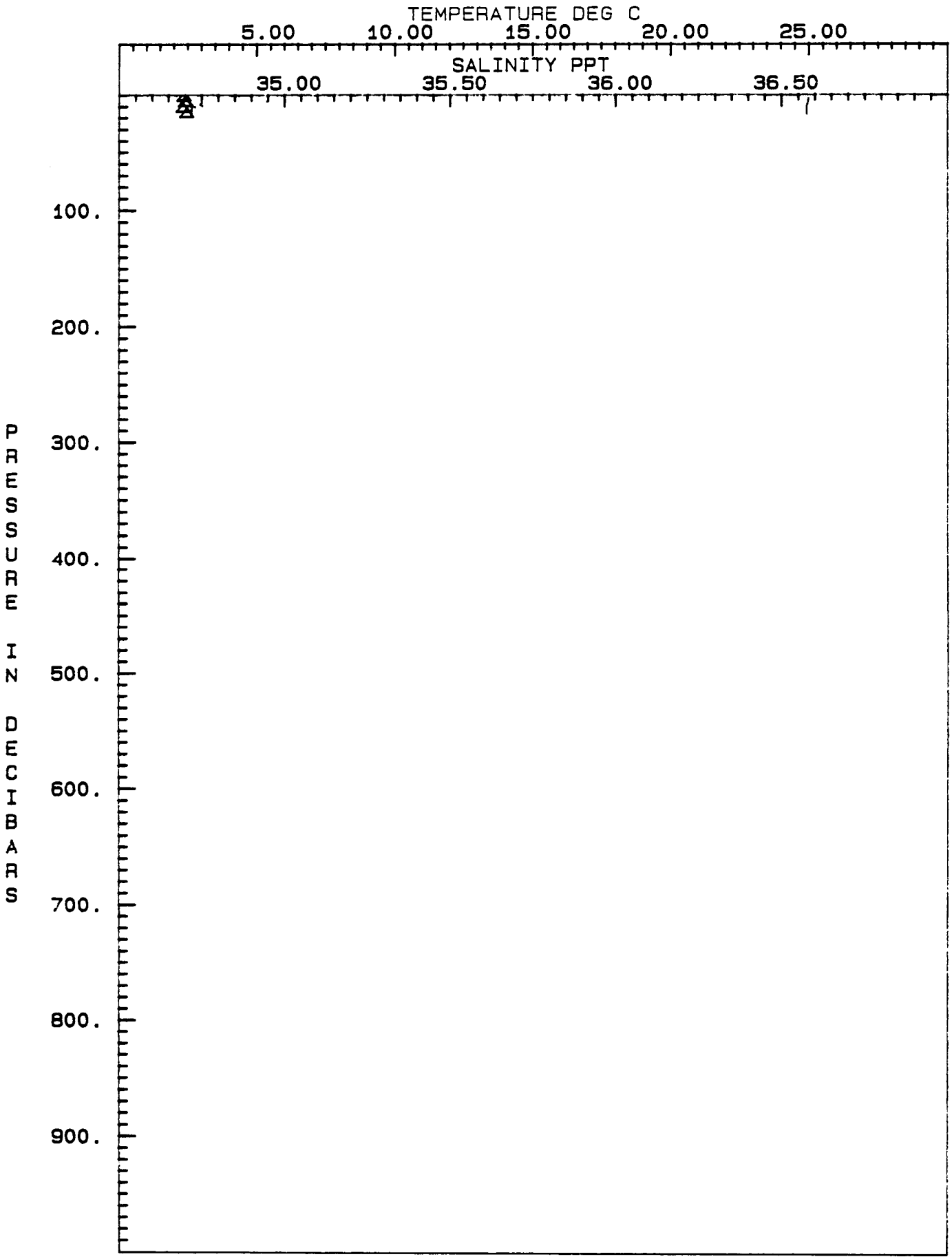
REFERENCE

Morrison JM, Merrell WJ, Key RM, Key TC (1983) Property distributions and deep chemical measurements within the western Gulf of Mexico. J. Geophys. Res. 88: 2601-2608.

see also Technical Report 88-01-T of the Department of Oceanography, TAMU (Feb 1988): Observation of mesoscale eddies in the NW Gulf of Mexico in 1987 on R/V GYRE cruises 87G-03, 87G-04, 87G-10, 87G-11 & 87G-12.

STATION S88G05*0001*DD CRUISE 88G05 DATE 15 OCT GMT 8:41 PM LAT 28 53.7 LON 94 20.8 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
3.0	24.976	.030	-2.923	8.29										
4.0	24.972	32.047	21.121	8.27										
5.0	24.960	34.938	23.308	8.26										
6.0	24.958	34.740	23.160	8.26										
7.0	24.956	34.737	23.158	8.20										
8.0	24.939	34.735	23.161	7.93										
9.0	24.919	34.741	23.172	7.73										
10.0	24.915	34.719	23.156	7.78										
11.0	24.914	34.710	23.150	7.76										
12.0	24.913	34.708	23.149	7.78										
13.0	24.914	34.709	23.149	7.68										
14.0	24.912	34.709	23.150	7.69										
15.0	24.909	34.708	23.150	7.73										
16.0	24.910	34.708	23.150	7.66										
17.0	24.910	34.707	23.149	7.68										



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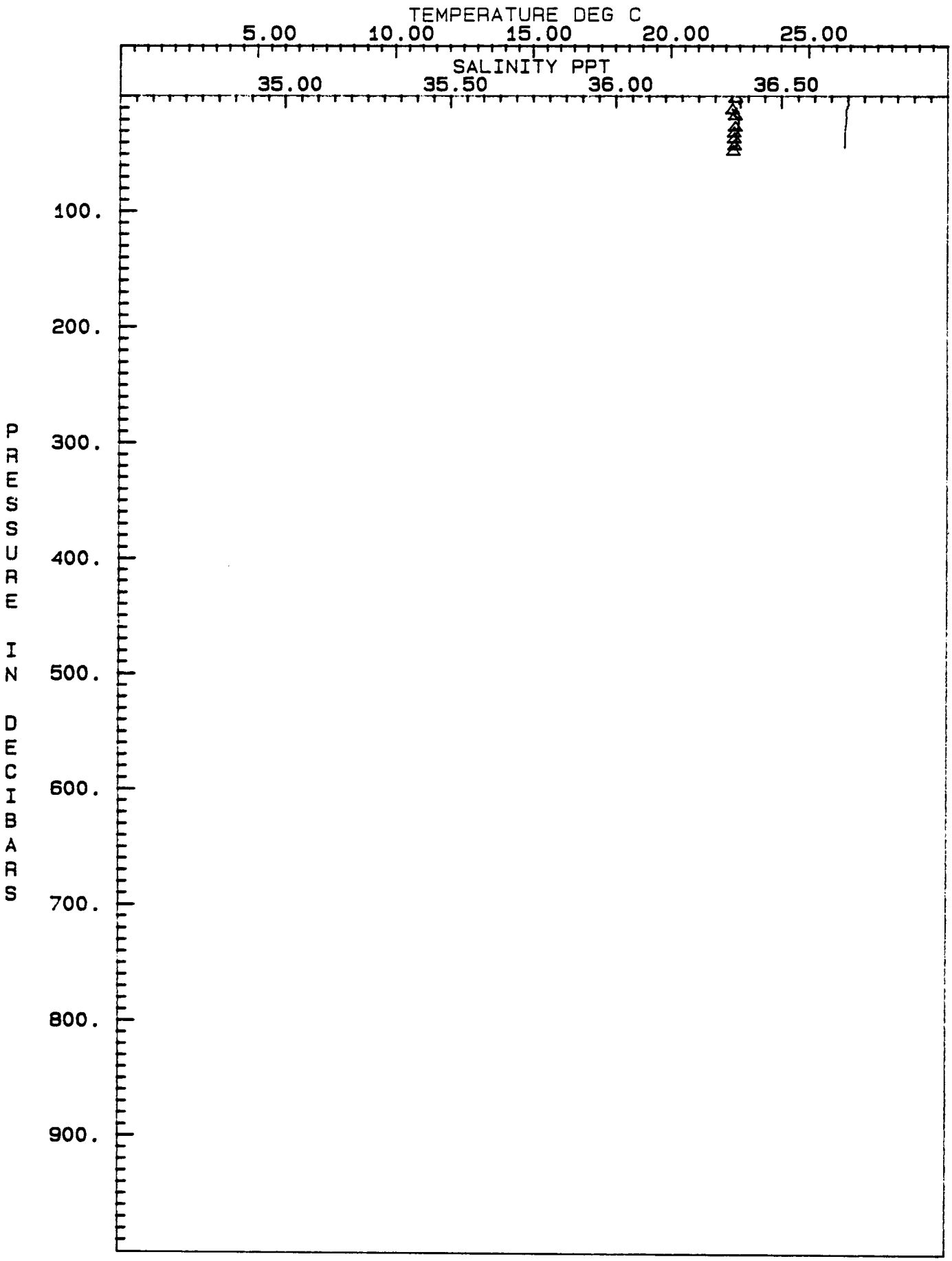
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	26.447	36.019	23.664	3.20										
4.0	26.418	36.165	23.783	4.12										
6.0	26.408	36.107	23.743	4.13										
8.0	26.333	36.114	23.771	4.18										
10.0	26.230	36.096	23.791	4.21										
12.0	26.166	36.119	23.828	4.26										
14.0	26.128	36.113	23.835	4.28										

STATION S88G05*0003*DD CRUISE 88G05 DATE 15 OCT GMT 11:40 PM LAT 28 22.9 LON 93 56.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	26.416	36.368	23.937	8.41										
3.0	26.417	36.365	23.934	8.41										
4.0	26.416	36.366	23.935	8.40										
5.0	26.415	36.366	23.936	8.41										
6.0	26.420	36.361	23.930	8.41										
7.0	26.422	36.364	23.932	8.41										
8.0	26.423	36.365	23.932	8.41										
9.0	26.375	36.365	23.948	8.38										
10.0	26.387	36.353	23.935	8.39										
11.0	26.347	36.341	23.938	8.37										
12.0	26.335	36.346	23.945	8.36										
13.0	26.347	36.344	23.941	8.35										
14.0	26.335	36.348	23.947	8.36										
15.0	26.333	36.348	23.948	8.38										
16.0	26.334	36.347	23.947	8.38										
17.0	26.335	36.351	23.950	8.37										
18.0	26.354	36.358	23.949	8.38										
19.0	26.349	36.356	23.949	8.39										
20.0	26.342	36.359	23.954	8.41										
21.0	26.340	36.360	23.955	8.40										
23.0	26.330	36.360	23.958	8.38										
25.0	26.321	36.359	23.960	8.37										
26.0	26.313	36.358	23.962	8.37										
28.0	26.304	36.356	23.963	8.35										
29.0	26.297	36.354	23.964	8.33										
31.0	26.293	36.355	23.966	8.35										
32.0	26.293	36.353	23.964	8.36										
33.0	26.289	36.353	23.966	8.36										
34.0	26.288	36.352	23.965	8.38										
35.0	26.284	36.353	23.968	8.38										
36.0	26.284	36.352	23.967	8.38										
37.0	26.283	36.353	23.968	8.39										
38.0	26.283	36.353	23.967	8.38										
39.0	26.284	36.353	23.967	8.39										
40.0	26.283	36.353	23.967	8.39										
41.0	26.283	36.353	23.968	8.38										
42.0	26.284	36.353	23.967	8.38										
43.0	26.283	36.352	23.967	8.38										
44.0	26.281	36.353	23.968	8.36										



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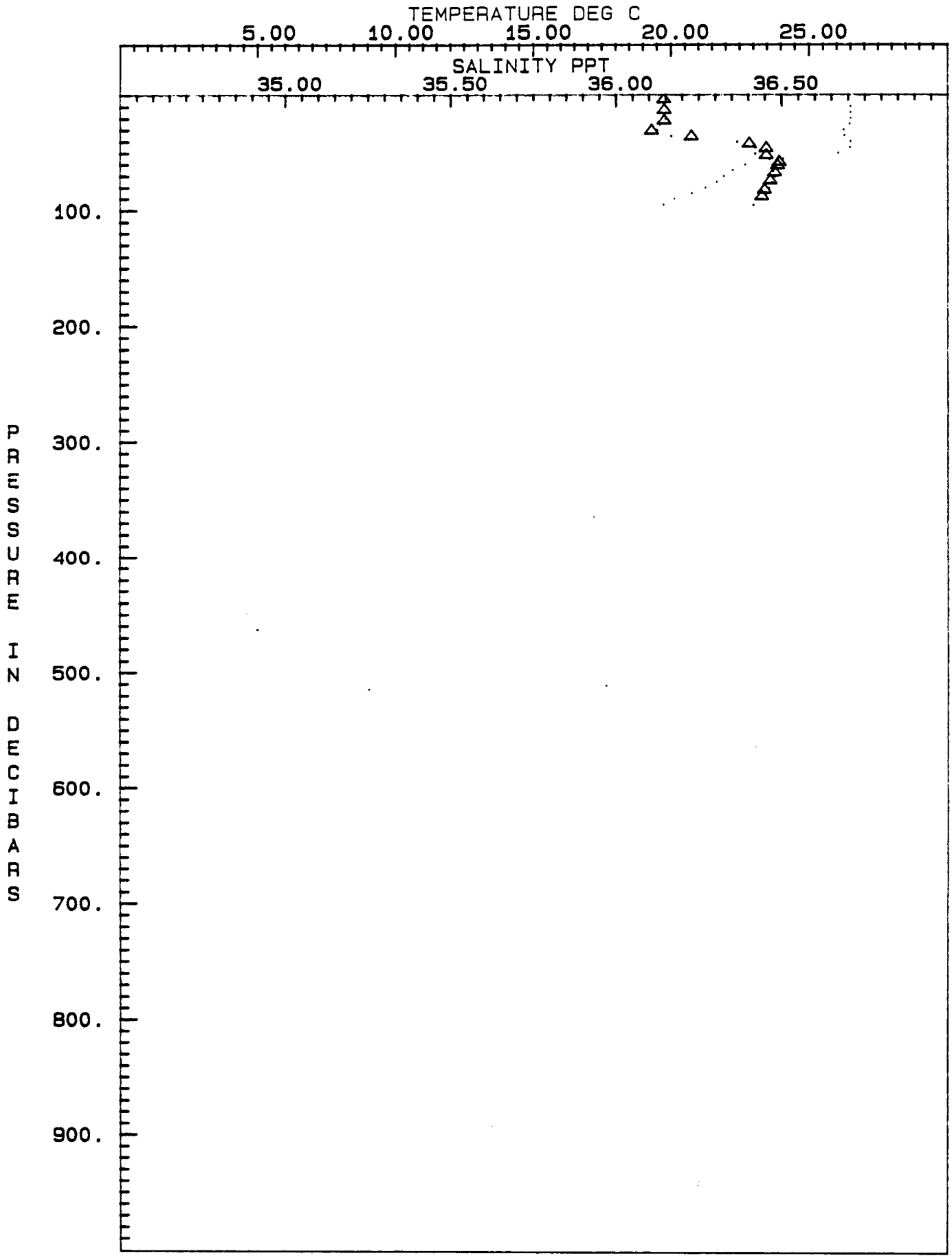
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.224	36.344	23.979	4.45										
15.0	26.223	36.337	23.974	4.46										
25.0	26.222	36.361	23.993	4.46										
35.0	26.206	36.396	24.024	4.53										
45.0	26.206	36.405	24.031	4.53										
55.0	26.186	36.408	24.040	4.53										

STATION S88G05*0005*DD CRUISE 88G05 DATE 16 OCT GMT 5:45 PM LAT 27 57.9 LON 93 36.6 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
10.0	26.489	36.142	23.743	8.87										
15.0	26.491	36.140	23.741	8.87										
20.0	26.492	36.140	23.740	8.87										
25.0	26.456	36.122	23.738	8.86										
30.0	26.240	36.113	23.800	8.85										
35.0	26.271	36.157	23.823	8.85										
40.0	26.488	36.356	23.905	8.81										
45.0	26.478	36.411	23.950	8.80										
50.0	26.043	36.411	24.087	8.81										
55.0	24.060	36.454	24.727	8.81										
60.0	22.680	36.503	25.168	8.85										
65.0	22.232	36.465	25.267	8.88										
70.0	21.902	36.470	25.365	8.89										
75.0	21.649	36.462	25.429	8.89										
80.0	21.238	36.451	25.535	8.89										
85.0	20.738	36.443	25.666	8.89										
90.0	20.110	36.434	25.828	8.84										
95.0	19.717	36.405	25.910	7.54										



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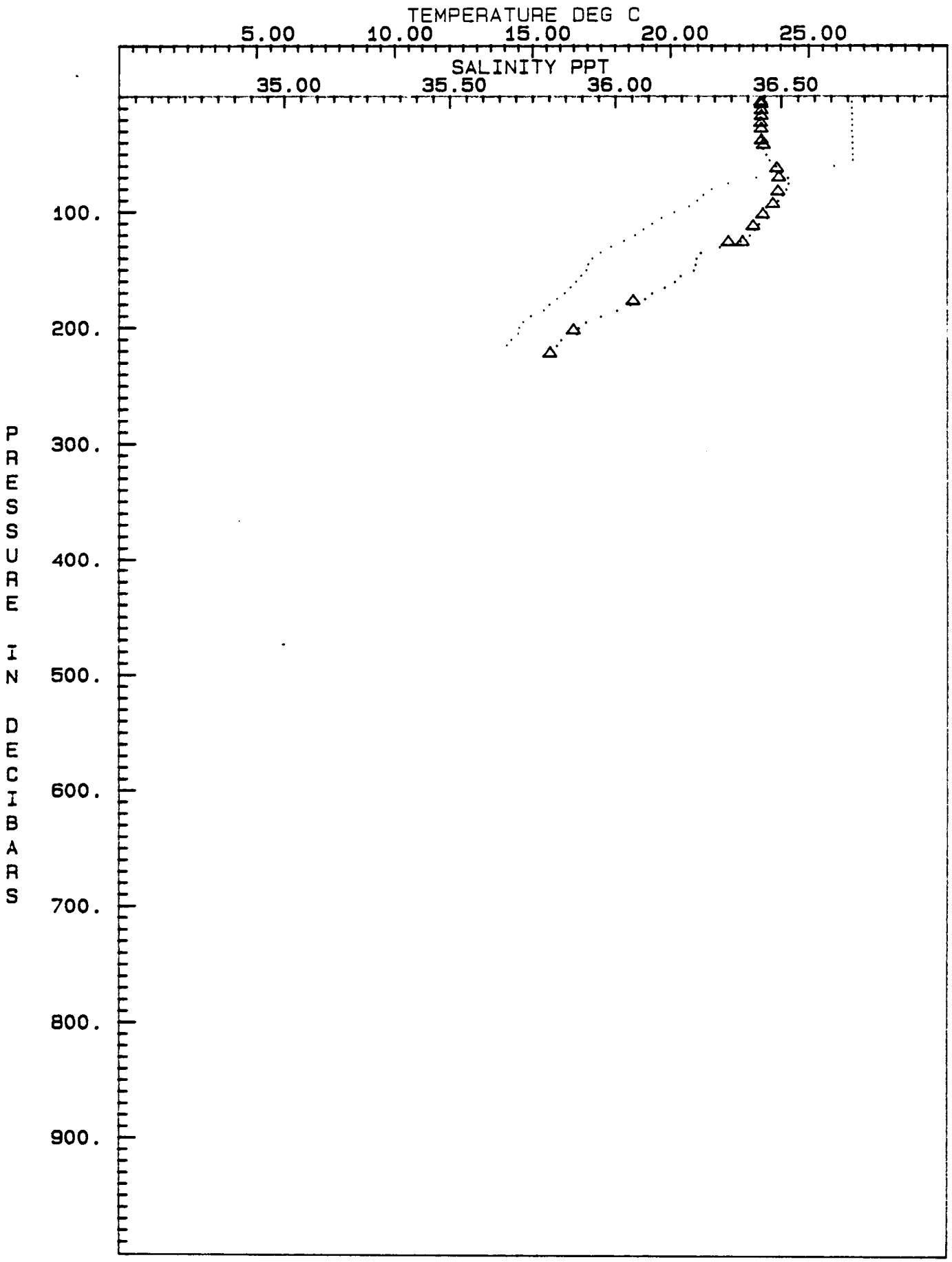
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.340	35.833	23.557	4.46										
15.0	26.340	35.868	23.584	4.54										
25.0	26.349	35.895	23.601	4.54										
35.0	26.385	35.914	23.604	4.54										
45.0	26.474	36.350	23.905	4.53										
55.0	25.236	36.536	24.432	4.52										
65.0	23.180	36.645	25.131	4.53										
75.0	21.866	36.581	25.459	4.55										
85.0	20.924	36.539	25.688	4.53										
95.0	19.659	36.530	26.021	4.40										
105.0	19.014	36.462	26.137	4.42										

STATION S88G05*0007*DD CRUISE 88G05 DATE 17 OCT GMT 12:20 PM LAT 27 45.5 LON 93 28.1 DEPTH OFFSET 0.0

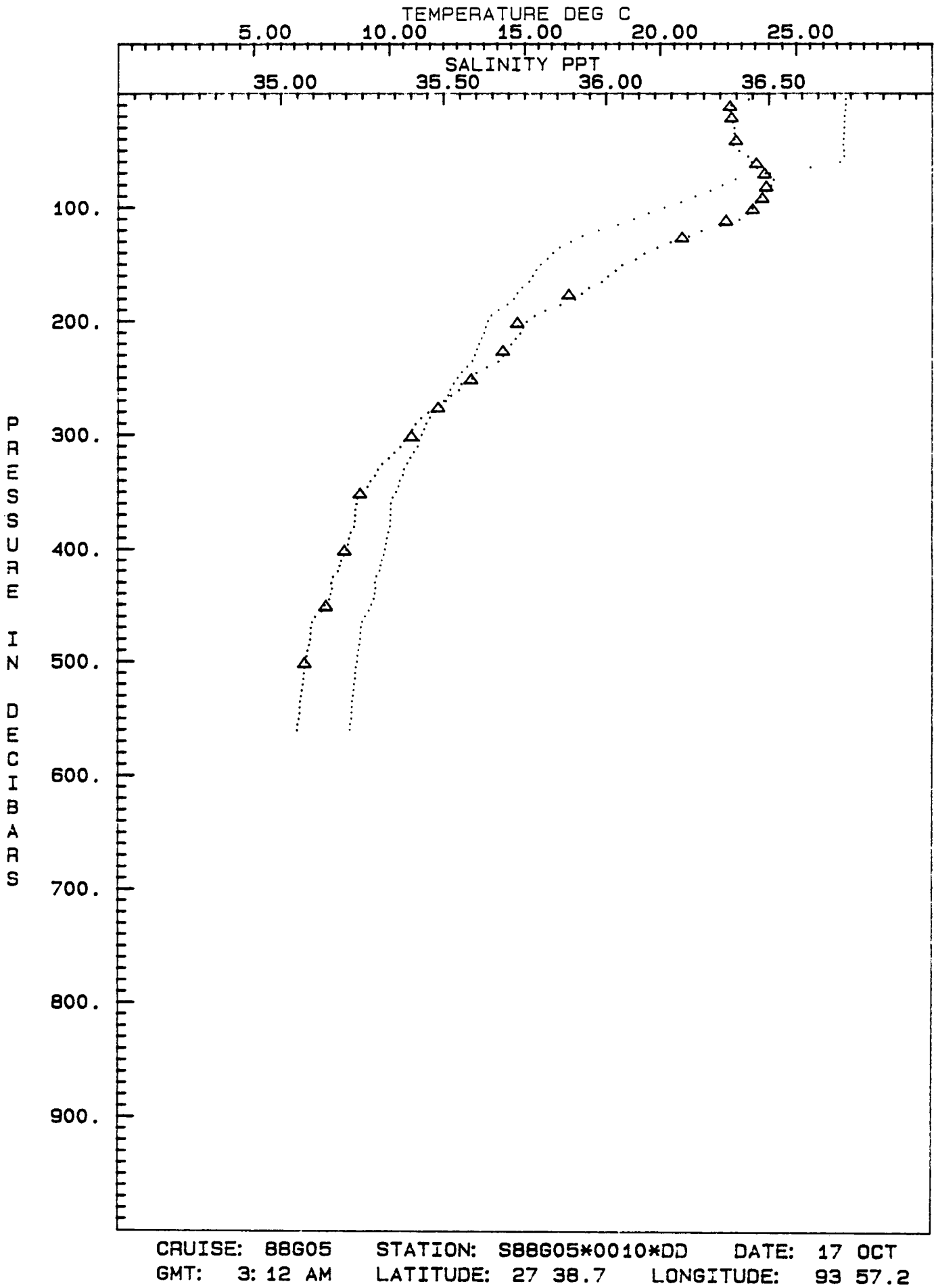
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.543	36.444	23.954	8.87										
10.0	26.549	36.422	23.935	8.89										
15.0	26.556	36.425	23.935	8.89										
20.0	26.557	36.426	23.936	8.89										
25.0	26.558	36.427	23.936	8.89										
30.0	26.557	36.428	23.937	8.89										
35.0	26.564	36.431	23.938	8.89										
40.0	26.566	36.434	23.939	8.89										
45.0	26.569	36.436	23.939	8.89										
50.0	26.582	36.445	23.942	8.89										
55.0	26.578	36.454	23.951	8.89										
60.0	25.899	36.474	24.180	8.87										
65.0	23.826	36.491	24.824	8.87										
70.0	23.093	36.510	25.054	8.88										
75.0	22.074	36.512	25.348	8.84										
80.0	21.481	36.505	25.509	8.83										
85.0	21.174	36.494	25.585	8.83										
90.0	20.962	36.480	25.633	8.86										
95.0	20.664	36.470	25.707	8.90										
100.0	20.124	36.444	25.832	8.89										
105.0	19.664	36.447	25.956	8.90										
110.0	19.319	36.423	26.028	8.91										
115.0	19.002	36.409	26.099	8.91										
120.0	18.706	36.395	26.164	8.91										
125.0	18.305	36.368	26.245	8.91										
130.0	17.839	36.304	26.313	8.90										
135.0	17.460	36.247	26.362	8.92										
140.0	17.160	36.233	26.424	8.93										
145.0	17.009	36.231	26.459	8.93										
150.0	16.946	36.225	26.469	8.93										
155.0	16.759	36.186	26.483	8.93										
160.0	16.568	36.169	26.516	8.92										
165.0	16.369	36.137	26.538	8.92										
170.0	16.155	36.100	26.559	8.88										
175.0	15.877	36.079	26.607	8.86										
180.0	15.604	36.034	26.635	8.84										
185.0	15.401	35.994	26.650	8.85										
190.0	14.929	35.946	26.718	8.87										
195.0	14.656	35.901	26.743	8.89										
200.0	14.502	35.878	26.759	8.89										
205.0	14.471	35.873	26.762	8.88										
210.0	14.225	35.825	26.778	8.88										
215.0	14.061	35.813	26.803	8.83										



CRUISE: 88G05 STATION: S88G05*0007*DD DATE: 17 OCT
GMT: 12: 20 PM LATITUDE: 27 45.5 LONGITUDE: 93 28.1

STATION S88G05*0010*DD CRUISE 88G05 DATE 17 OCT GMT 3:12 AM LAT 27 38.7 LON 93 57.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.813	36.428	23.855	8.85	255.0	12.382	35.546	26.940	8.94	505.0	8.788	35.065	27.203	8.94
10.0	26.812	36.374	23.815	8.87	260.0	12.264	35.538	26.957	8.94	510.0	8.765	35.063	27.206	8.94
15.0	26.802	36.368	23.815	8.88	265.0	12.184	35.515	26.954	8.94	515.0	8.757	35.063	27.206	8.94
20.0	26.780	36.367	23.821	8.87	270.0	12.018	35.498	26.973	8.93	520.0	8.730	35.060	27.208	8.94
25.0	26.780	36.379	23.830	8.88	275.0	11.932	35.482	26.978	8.93	525.0	8.711	35.057	27.209	8.94
30.0	26.770	36.383	23.836	8.88	280.0	11.710	35.444	26.990	8.94	530.0	8.679	35.054	27.212	8.94
35.0	26.756	36.384	23.840	8.88	285.0	11.510	35.422	27.011	8.94	535.0	8.652	35.051	27.214	8.94
40.0	26.745	36.383	23.844	8.88	290.0	11.379	35.405	27.022	8.94	540.0	8.647	35.051	27.214	8.94
45.0	26.729	36.380	23.846	8.87	295.0	11.306	35.395	27.028	8.94	545.0	8.638	35.050	27.215	8.94
50.0	26.747	36.398	23.855	8.88	300.0	11.205	35.382	27.036	8.94	550.0	8.619	35.048	27.217	8.94
55.0	26.764	36.426	23.870	8.88	305.0	11.114	35.370	27.044	8.94	555.0	8.580	35.044	27.219	8.94
60.0	26.613	36.438	23.927	8.86	310.0	11.063	35.358	27.043	8.94	560.0	8.569	35.042	27.220	8.94
65.0	25.512	36.454	24.285	8.82	315.0	10.919	35.339	27.055	8.94					
70.0	23.873	36.493	24.812	8.78	320.0	10.790	35.323	27.066	8.93					
75.0	22.772	36.505	25.143	8.79	325.0	10.676	35.302	27.070	8.93					
80.0	22.283	36.497	25.278	8.82	330.0	10.552	35.289	27.082	8.92					
85.0	21.839	36.483	25.392	8.84	335.0	10.511	35.281	27.082	8.92					
90.0	21.285	36.463	25.531	8.87	340.0	10.399	35.267	27.091	8.92					
95.0	20.756	36.450	25.666	8.85	345.0	10.350	35.258	27.093	8.91					
100.0	20.146	36.439	25.823	8.85	350.0	10.266	35.243	27.096	8.92					
105.0	19.562	36.426	25.967	8.88	355.0	10.131	35.226	27.106	8.92					
110.0	19.023	36.399	26.086	8.88	360.0	10.070	35.223	27.115	8.91					
115.0	18.440	36.342	26.191	8.86	365.0	10.063	35.220	27.114	8.91					
120.0	17.726	36.283	26.324	8.86	370.0	10.055	35.219	27.115	8.92					
125.0	17.130	36.244	26.439	8.88	375.0	10.048	35.218	27.114	8.92					
130.0	16.708	36.198	26.497	8.91	380.0	10.036	35.216	27.115	8.92					
135.0	16.293	36.148	26.564	8.92	385.0	9.978	35.205	27.116	8.92					
140.0	16.045	36.108	26.591	8.92	390.0	9.928	35.200	27.121	8.92					
145.0	15.839	36.082	26.618	8.92	395.0	9.889	35.197	27.126	8.92					
150.0	15.582	36.039	26.644	8.92	400.0	9.857	35.193	27.127	8.92					
155.0	15.421	36.020	26.665	8.92	405.0	9.807	35.185	27.130	8.93					
160.0	15.292	35.996	26.676	8.92	410.0	9.743	35.177	27.135	8.93					
165.0	15.165	35.977	26.690	8.92	415.0	9.699	35.173	27.138	8.93					
170.0	14.911	35.937	26.715	8.93	420.0	9.665	35.167	27.140	8.93					
175.0	14.728	35.916	26.739	8.93	425.0	9.543	35.153	27.149	8.93					
180.0	14.601	35.895	26.751	8.93	430.0	9.491	35.147	27.153	8.94					
185.0	14.359	35.849	26.767	8.93	435.0	9.500	35.148	27.153	8.94					
190.0	14.029	35.803	26.803	8.93	440.0	9.483	35.145	27.153	8.94					
195.0	13.765	35.770	26.833	8.94	445.0	9.446	35.141	27.156	8.94					
200.0	13.637	35.747	26.841	8.94	450.0	9.354	35.127	27.160	8.94					
205.0	13.557	35.735	26.849	8.94	455.0	9.261	35.118	27.168	8.94					
210.0	13.497	35.726	26.855	8.94	460.0	9.126	35.098	27.175	8.95					
215.0	13.410	35.712	26.862	8.94	465.0	9.022	35.088	27.184	8.94					
220.0	13.322	35.698	26.869	8.94	470.0	8.974	35.084	27.189	8.94					
225.0	13.237	35.681	26.873	8.93	475.0	8.960	35.084	27.191	8.94					
230.0	13.160	35.673	26.883	8.93	480.0	8.951	35.083	27.191	8.94					
235.0	13.071	35.659	26.890	8.93	485.0	8.917	35.079	27.193	8.93					
240.0	12.879	35.623	26.901	8.92	490.0	8.884	35.074	27.196	8.93					
245.0	12.689	35.592	26.915	8.93	495.0	8.851	35.072	27.199	8.93					
250.0	12.527	35.579	26.937	8.93	500.0	8.833	35.070	27.200	8.93					



CRUISE: 88G05 STATION: S88G05*0010*DD DATE: 17 OCT
GMT: 3: 12 AM LATITUDE: 27 38.7 LONGITUDE: 93 57.2

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G5 STATION X88G05*11*1 DATE 17OCT88 GMT 1025 LAT 27 17.9 LON 93 58.5 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.59	202.4	14.42	402.5	9.14	602.4	6.64	802.2	5.54						
7.5	26.69	207.3	14.22	407.5	9.00	607.5	6.63	807.5	5.51						
12.6	26.67	212.3	14.08	412.3	8.83	612.3	6.59	812.7	5.47						
17.5	26.69	217.6	13.95	417.3	8.77	617.5	6.57	817.6	5.42						
22.4	26.74	222.5	13.79	422.4	8.62	622.6	6.55	822.5	5.41						
27.5	26.76	227.5	13.59	427.5	8.54	627.5	6.54								
32.4	26.76	232.5	13.40	432.5	8.41	632.3	6.53								
37.3	26.76	237.5	13.30	437.6	8.38	637.4	6.49								
42.5	26.74	242.4	13.04	442.6	8.35	642.6	6.45								
47.4	26.89	247.4	12.78	447.4	8.23	647.4	6.41								
52.3	26.95	252.4	12.69	452.5	8.10	652.3	6.39								
57.5	26.06	257.4	12.61	457.5	7.95	657.4	6.36								
62.7	24.61	262.3	12.42	462.3	7.87	662.6	6.35								
67.5	23.15	267.3	12.26	467.4	7.81	667.4	6.29								
72.4	22.56	272.3	12.12	472.4	7.73	672.3	6.28								
77.7	22.09	277.3	11.91	477.5	7.65	677.5	6.24								
82.5	21.59	282.3	11.67	482.6	7.58	682.6	6.22								
87.4	21.09	287.3	11.52	487.4	7.55	687.5	6.20								
92.3	20.70	292.6	11.41	492.5	7.50	692.3	6.18								
97.3	20.19	297.6	11.23	497.5	7.48	697.5	6.13								
102.5	19.68	302.6	11.18	502.3	7.44	702.7	6.09								
107.4	19.22	307.6	11.15	507.4	7.40	707.5	6.00								
112.3	19.02	312.3	11.10	512.5	7.35	712.4	5.97								
117.5	18.85	317.3	11.00	517.3	7.29	717.2	5.94								
122.4	18.50	322.3	10.89	522.4	7.22	722.5	5.88								
127.4	18.04	327.3	10.77	527.5	7.15	727.7	5.85								
132.6	17.56	332.3	10.60	532.3	7.11	732.5	5.84								
137.5	17.31	337.4	10.51	537.4	7.06	737.4	5.83								
142.4	16.93	342.4	10.45	542.5	7.03	742.2	5.82								
147.4	16.43	347.4	10.39	547.3	7.02	747.5	5.80								
152.3	16.22	352.4	10.33	552.4	6.98	752.7	5.76								
157.6	16.11	357.5	10.29	557.5	6.97	757.5	5.73								
162.5	15.94	362.5	10.26	562.3	6.95	762.4	5.70								
167.4	15.69	367.5	10.22	567.4	6.90	767.3	5.68								
172.4	15.51	372.6	10.06	572.6	6.83	772.2	5.67								
177.3	15.30	377.6	9.82	577.4	6.79	777.4	5.66								
182.6	15.04	382.6	9.60	582.5	6.76	782.6	5.64								
187.5	14.93	387.3	9.48	587.6	6.73	787.5	5.63								
192.5	14.85	392.4	9.37	592.4	6.69	792.4	5.60								
197.4	14.62	397.4	9.26	597.2	6.65	797.3	5.55								

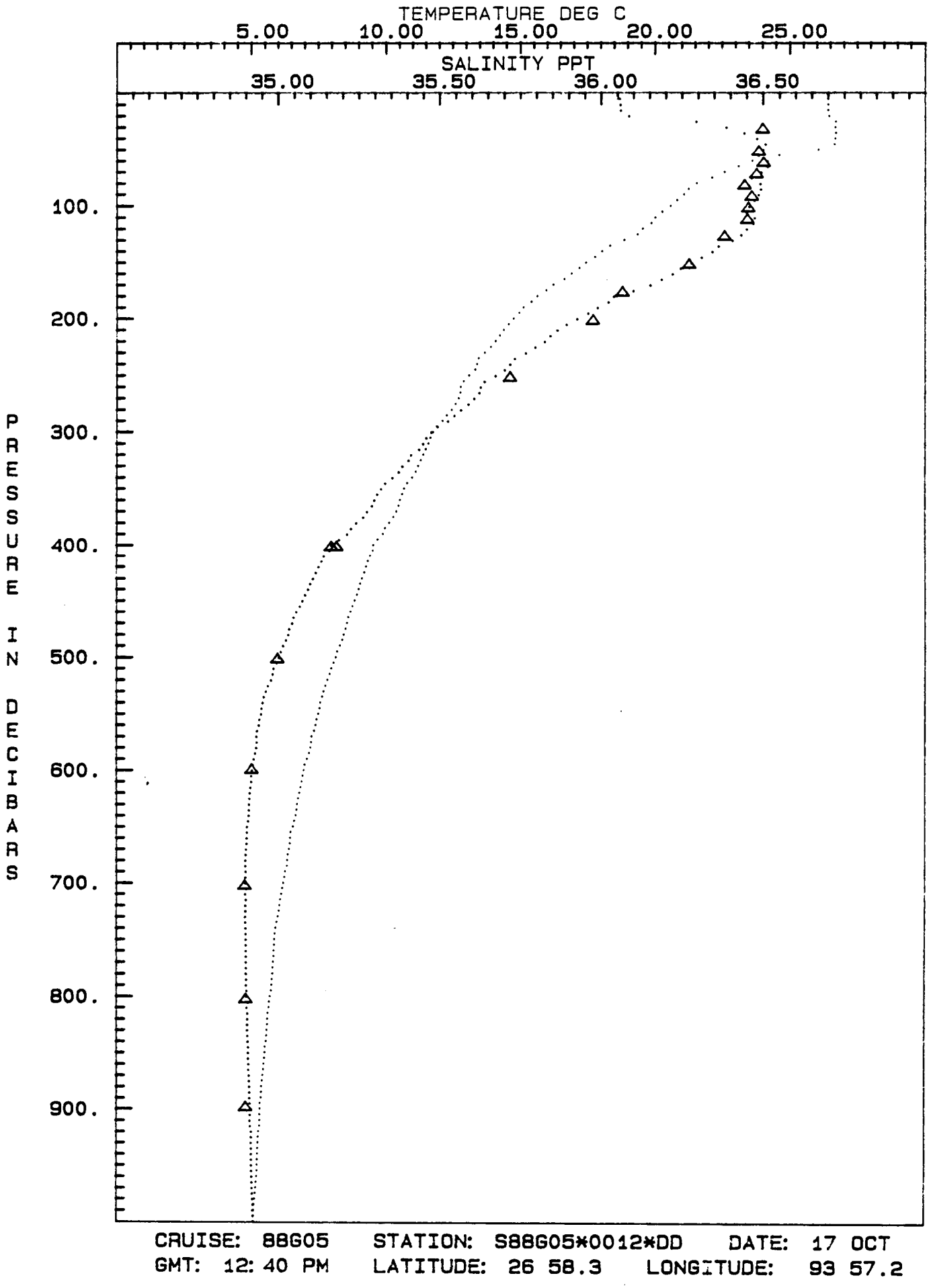
STATION S88G05*0012*DD CRUISE 88G05 DATE 17 OCT GMT 12:40 PM LAT 26 58.3 LON 93 57.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.396	36.047	23.701	8.82	255.0	12.893	35.629	26.902	8.95	505.0	8.074	34.986	27.252	8.95
10.0	26.400	36.048	23.701	8.81	260.0	12.780	35.617	26.916	8.94	510.0	7.985	34.977	27.258	8.95
15.0	26.403	36.050	23.701	8.81	265.0	12.768	35.613	26.915	8.94	515.0	7.922	34.974	27.266	8.95
20.0	26.438	36.076	23.710	8.81	270.0	12.710	35.597	26.914	8.93	520.0	7.838	34.969	27.274	8.95
25.0	26.682	36.284	23.789	8.82	275.0	12.590	35.579	26.925	8.93	525.0	7.772	34.960	27.277	8.96
30.0	26.673	36.377	23.863	8.84	280.0	12.456	35.557	26.933	8.94	530.0	7.699	34.953	27.282	8.96
35.0	26.691	36.433	23.898	8.79	285.0	12.274	35.536	26.953	8.94	535.0	7.649	34.947	27.285	8.96
40.0	26.665	36.472	23.937	8.80	290.0	12.109	35.517	26.970	8.94	540.0	7.579	34.943	27.292	8.97
45.0	26.635	36.498	23.965	8.84	295.0	11.888	35.484	26.987	8.94	545.0	7.551	34.940	27.293	8.96
50.0	26.035	36.492	24.150	8.86	300.0	11.757	35.464	26.997	8.95	550.0	7.500	34.938	27.299	8.97
55.0	24.590	36.476	24.584	8.81	305.0	11.667	35.449	27.002	8.94	555.0	7.442	34.933	27.304	8.97
60.0	23.608	36.505	24.899	8.85	310.0	11.585	35.439	27.010	8.95	560.0	7.404	34.932	27.308	8.97
65.0	23.091	36.505	25.051	8.67	315.0	11.488	35.427	27.019	8.95	565.0	7.349	34.926	27.312	8.97
70.0	22.580	36.484	25.183	8.68	320.0	11.393	35.401	27.017	8.94	570.0	7.259	34.924	27.323	8.97
75.0	22.109	36.454	25.294	8.87	325.0	11.300	35.394	27.027	8.94	575.0	7.245	34.925	27.325	8.96
80.0	21.535	36.482	25.476	8.89	330.0	11.200	35.375	27.032	8.94	580.0	7.217	34.924	27.329	8.96
85.0	21.236	36.483	25.561	8.90	335.0	11.114	35.363	27.038	8.94	585.0	7.170	34.920	27.333	8.96
90.0	21.062	36.476	25.603	8.91	340.0	10.979	35.344	27.048	8.94	590.0	7.093	34.916	27.340	8.97
95.0	20.808	36.464	25.662	8.90	345.0	10.792	35.322	27.064	8.94	595.0	7.006	34.913	27.350	8.97
100.0	20.572	36.448	25.715	8.90	350.0	10.675	35.309	27.075	8.94	600.0	6.969	34.910	27.353	8.97
105.0	20.259	36.439	25.792	8.90	355.0	10.612	35.297	27.077	8.94	605.0	6.933	34.908	27.356	8.97
110.0	20.002	36.464	25.880	8.88	360.0	10.534	35.288	27.084	8.94	610.0	6.892	34.908	27.361	8.97
115.0	19.859	36.460	25.915	8.86	365.0	10.476	35.280	27.088	8.94	615.0	6.856	34.906	27.365	8.97
120.0	19.535	36.440	25.984	8.85	370.0	10.392	35.265	27.091	8.94	620.0	6.810	34.903	27.369	8.97
125.0	19.346	36.423	26.021	8.91	375.0	10.282	35.254	27.102	8.94	625.0	6.766	34.903	27.375	8.97
130.0	18.851	36.396	26.128	8.85	380.0	10.124	35.232	27.113	8.93	630.0	6.729	34.902	27.379	8.97
135.0	18.327	36.353	26.228	8.78	385.0	9.974	35.215	27.125	8.92	635.0	6.703	34.901	27.382	8.97
140.0	18.035	36.334	26.286	8.75	390.0	9.891	35.203	27.130	8.93	640.0	6.674	34.901	27.385	8.97
145.0	17.771	36.300	26.326	8.85	395.0	9.694	35.178	27.144	8.94	645.0	6.623	34.898	27.391	8.97
150.0	17.440	36.269	26.383	8.87	400.0	9.538	35.155	27.152	8.94	650.0	6.570	34.896	27.396	8.97
155.0	17.194	36.236	26.417	8.88	405.0	9.516	35.149	27.151	8.94	655.0	6.486	34.896	27.407	8.97
160.0	16.897	36.211	26.470	8.90	410.0	9.413	35.132	27.154	8.94	660.0	6.465	34.894	27.409	8.97
165.0	16.637	36.176	26.505	8.89	415.0	9.335	35.125	27.162	8.94	665.0	6.454	34.894	27.410	8.97
170.0	16.221	36.142	26.576	8.94	420.0	9.274	35.116	27.165	8.94	670.0	6.428	34.893	27.412	8.97
175.0	15.958	36.089	26.596	8.94	425.0	9.205	35.108	27.170	8.94	675.0	6.386	34.892	27.417	8.97
180.0	15.628	36.029	26.626	8.94	430.0	9.117	35.099	27.177	8.94	680.0	6.369	34.891	27.419	8.97
185.0	15.402	36.013	26.664	8.94	435.0	9.051	35.090	27.181	8.94	685.0	6.357	34.891	27.420	8.97
190.0	15.112	35.979	26.703	8.94	440.0	8.999	35.084	27.184	8.94	690.0	6.286	34.892	27.430	8.97
195.0	14.956	35.950	26.715	8.94	445.0	8.936	35.075	27.188	8.94	695.0	6.255	34.891	27.434	8.97
200.0	14.742	35.915	26.736	8.94	450.0	8.853	35.067	27.195	8.94	700.0	6.214	34.891	27.439	8.97
205.0	14.558	35.883	26.751	8.94	455.0	8.770	35.059	27.201	8.94	705.0	6.180	34.892	27.444	8.98
210.0	14.383	35.854	26.766	8.94	460.0	8.691	35.048	27.206	8.95	710.0	6.143	34.890	27.448	8.98
215.0	14.236	35.833	26.782	8.94	465.0	8.617	35.039	27.210	8.95	715.0	6.100	34.892	27.455	8.97
220.0	14.075	35.816	26.803	8.94	470.0	8.572	35.035	27.214	8.94	720.0	6.071	34.891	27.457	8.98
225.0	13.900	35.786	26.817	8.94	475.0	8.514	35.026	27.216	8.94	725.0	6.051	34.891	27.460	8.98
230.0	13.673	35.757	26.842	8.94	480.0	8.448	35.023	27.224	8.95	730.0	6.018	34.890	27.464	8.98
235.0	13.448	35.723	26.862	8.94	485.0	8.391	35.016	27.227	8.95	735.0	5.974	34.890	27.469	8.98
240.0	13.384	35.708	26.864	8.94	490.0	8.312	35.007	27.232	8.95	740.0	5.929	34.892	27.476	8.98
245.0	13.319	35.691	26.864	8.94	495.0	8.197	34.999	27.244	8.95	745.0	5.902	34.892	27.479	8.98
250.0	13.089	35.663	26.889	8.95	500.0	8.150	34.993	27.246	8.95	750.0	5.885	34.892	27.482	8.99

STATION S88G05*0012*DD CRUISE 88G05 DATE 17 OCT GMT 12:40 PM LAT 26 58.3 LON 93 57.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	5.869	34.892	27.484	8.98
760.0	5.862	34.892	27.485	8.98
765.0	5.854	34.892	27.486	8.98
770.0	5.833	34.892	27.489	8.98
775.0	5.815	34.892	27.491	8.98
780.0	5.809	34.893	27.492	8.98
785.0	5.788	34.893	27.495	8.98
790.0	5.775	34.893	27.497	8.98
795.0	5.750	34.894	27.501	8.98
800.0	5.718	34.894	27.505	8.98
805.0	5.682	34.896	27.511	8.98
810.0	5.672	34.894	27.511	8.98
815.0	5.630	34.897	27.518	8.98
820.0	5.617	34.897	27.520	8.98
825.0	5.612	34.896	27.520	8.98
830.0	5.587	34.897	27.522	8.98
835.0	5.586	34.897	27.524	8.98
840.0	5.558	34.898	27.528	8.98
845.0	5.525	34.899	27.533	8.98
850.0	5.521	34.899	27.533	8.98
855.0	5.503	34.900	27.536	8.98
860.0	5.483	34.900	27.539	8.98
865.0	5.470	34.900	27.541	8.98
870.0	5.445	34.902	27.545	8.99
875.0	5.421	34.902	27.548	8.98
880.0	5.400	34.903	27.552	8.99
885.0	5.388	34.904	27.553	8.99
890.0	5.380	34.903	27.554	8.99
895.0	5.352	34.905	27.559	8.99
900.0	5.342	34.905	27.560	8.99
905.0	5.334	34.905	27.561	8.99
910.0	5.335	34.905	27.561	8.99
915.0	5.328	34.906	27.562	8.99
920.0	5.290	34.908	27.569	8.99
925.0	5.274	34.908	27.571	8.98
930.0	5.269	34.909	27.571	8.98
935.0	5.254	34.909	27.573	8.98
940.0	5.252	34.909	27.574	8.98
945.0	5.247	34.909	27.574	8.98
950.0	5.242	34.909	27.575	8.98
955.0	5.237	34.910	27.576	8.98
960.0	5.224	34.910	27.578	8.98
965.0	5.204	34.912	27.582	8.98
970.0	5.189	34.912	27.583	8.98
975.0	5.175	34.913	27.586	8.98
980.0	5.151	34.913	27.589	8.99
985.0	5.127	34.915	27.593	8.99
990.0	5.118	34.914	27.594	8.99
995.0	5.102	34.915	27.596	8.99
1000.0	5.093	34.916	27.598	8.99
1005.0	5.079	34.916	27.599	8.99
1010.0	5.063	34.917	27.602	8.99
1015.0	5.049	34.917	27.604	8.99
1020.0	5.032	34.919	27.607	8.99
1025.0	5.028	34.918	27.607	8.99
1030.0	5.019	34.919	27.609	8.99
1035.0	5.003	34.920	27.612	8.99
1040.0	4.997	34.920	27.612	8.99
1045.0	4.979	34.921	27.615	8.99
1050.0	4.973	34.921	27.616	8.99
1055.0	4.971	34.921	27.616	8.99
1060.0	4.969	34.921	27.616	8.99
1065.0	4.968	34.921	27.616	8.99
1070.0	4.959	34.922	27.618	8.99

DEPTH	TEMP	SALT	SIGMA-T	XSM



CRUISE: 88G05 STATION: S88G05*0012*DD DATE: 17 OCT
GMT: 12: 40 PM LATITUDE: 26 58.3 LONGITUDE: 93 57.2

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*12*1 DATE 17OCT88 GMT 1220 LAT 27 0.0 LON 94 0.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.32	202.4	14.24	402.5	9.31	602.4	6.75	802.2	5.36						
7.5	26.40	207.3	14.00	407.5	9.23	607.5	6.68	807.5	5.31						
12.6	26.41	212.3	13.88	412.3	9.12	612.3	6.59	812.7	5.29						
17.5	26.41	217.6	13.78	417.3	8.97	617.5	6.54	817.6	5.28						
22.4	26.49	222.5	13.54	422.4	8.93	622.6	6.49	822.5	5.27						
27.5	26.70	227.5	13.30	427.5	8.89	627.5	6.47								
32.4	26.66	232.5	13.04	432.5	8.81	632.3	6.45								
37.3	26.66	237.5	12.97	437.6	8.74	637.4	6.43								
42.5	26.61	242.4	12.82	442.6	8.66	642.6	6.39								
47.4	26.35	247.4	12.70	447.4	8.56	647.4	6.34								
52.3	25.16	252.4	12.54	452.5	8.48	652.3	6.31								
57.5	23.86	257.4	12.37	457.5	8.41	657.4	6.27								
62.7	23.21	262.3	12.27	462.3	8.37	662.6	6.22								
67.5	22.73	267.3	12.23	467.4	8.33	667.4	6.19								
72.4	22.20	272.3	12.19	472.4	8.22	672.3	6.17								
77.7	21.70	277.3	12.13	477.5	8.17	677.5	6.10								
82.5	21.13	282.3	11.97	482.6	8.06	682.6	6.06								
87.4	20.87	287.3	11.75	487.4	8.00	687.5	6.00								
92.3	20.57	292.6	11.60	492.5	7.94	692.3	5.96								
97.3	20.31	297.6	11.42	497.5	7.86	697.5	5.92								
102.5	19.96	302.6	11.28	502.3	7.80	702.7	5.88								
107.4	19.78	307.6	11.19	507.4	7.75	707.5	5.85								
112.3	19.62	312.3	11.08	512.5	7.69	712.4	5.82								
117.5	19.35	317.3	10.99	517.3	7.65	717.2	5.77								
122.4	19.15	322.3	10.96	522.4	7.58	722.5	5.72								
127.4	18.91	327.3	10.88	527.5	7.49	727.7	5.70								
132.6	18.28	332.3	10.79	532.3	7.45	732.5	5.68								
137.5	17.89	337.4	10.69	537.4	7.38	737.4	5.66								
142.4	17.58	342.4	10.52	542.5	7.28	742.2	5.63								
147.4	17.26	347.4	10.34	547.3	7.21	747.5	5.60								
152.3	16.94	352.4	10.29	552.4	7.19	752.7	5.59								
157.6	16.66	357.5	10.20	557.5	7.17	757.5	5.58								
162.5	16.32	362.5	10.04	562.3	7.11	762.4	5.55								
167.4	16.00	367.5	9.90	567.4	7.07	767.3	5.53								
172.4	15.81	372.6	9.81	572.6	6.98	772.2	5.49								
177.3	15.54	377.6	9.72	577.4	6.92	777.4	5.46								
182.6	15.09	382.6	9.68	582.5	6.86	782.6	5.43								
187.5	14.78	387.3	9.66	587.6	6.80	787.5	5.41								
192.5	14.70	392.4	9.51	592.4	6.79	792.4	5.39								
197.4	14.57	397.4	9.40	597.2	6.78	797.3	5.37								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*13*1 DATE 17OCT88 GMT 1858 LAT 26 59.9 LON 93 59.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	27.11	202.4	15.35	402.5	9.77	602.4	7.23	802.2	5.64						
7.5	27.04	207.3	15.08	407.5	9.68	607.5	7.19	807.5	5.62						
12.6	26.98	212.3	14.83	412.3	9.60	612.3	7.15	812.7	5.62						
17.5	26.94	217.6	14.65	417.3	9.52	617.5	7.10	817.6	5.60						
22.4	26.86	222.5	14.50	422.4	9.48	622.6	7.04	822.5	5.58						
27.5	26.83	227.5	14.36	427.5	9.37	627.5	7.00								
32.4	26.81	232.5	14.20	432.5	9.20	632.3	6.94								
37.3	26.78	237.5	14.03	437.6	9.11	637.4	6.88								
42.5	26.79	242.4	13.83	442.6	9.08	642.6	6.81								
47.4	26.81	247.4	13.71	447.4	9.04	647.4	6.76								
52.3	26.80	252.4	13.53	452.5	9.00	652.3	6.72								
57.5	26.69	257.4	13.34	457.5	8.96	657.4	6.64								
62.7	25.84	262.3	13.16	462.3	8.89	662.6	6.58								
67.5	24.40	267.3	12.94	467.4	8.78	667.4	6.56								
72.4	23.85	272.3	12.82	472.4	8.70	672.3	6.47								
77.7	23.14	277.3	12.70	477.5	8.64	677.5	6.41								
82.5	22.48	282.3	12.61	482.6	8.58	682.6	6.41								
87.4	22.01	287.3	12.48	487.4	8.53	687.5	6.38								
92.3	21.65	292.6	12.31	492.5	8.48	692.3	6.34								
97.3	21.12	297.6	12.19	497.5	8.42	697.5	6.32								
102.5	20.66	302.6	12.01	502.3	8.37	702.7	6.31								
107.4	20.31	307.6	11.84	507.4	8.33	707.5	6.26								
112.3	20.07	312.3	11.71	512.5	8.25	712.4	6.21								
117.5	19.85	317.3	11.65	517.3	8.17	717.2	6.16								
122.4	19.58	322.3	11.58	522.4	8.14	722.5	6.13								
127.4	19.26	327.3	11.41	527.5	8.12	727.7	6.08								
132.6	18.97	332.3	11.29	532.3	8.06	732.5	6.04								
137.5	18.62	337.4	11.10	537.4	7.99	737.4	6.01								
142.4	18.35	342.4	11.03	542.5	7.92	742.2	6.01								
147.4	18.05	347.4	10.98	547.3	7.87	747.5	5.96								
152.3	17.82	352.4	10.83	552.4	7.85	752.7	5.94								
157.6	17.55	357.5	10.69	557.5	7.78	757.5	5.92								
162.5	17.36	362.5	10.56	562.3	7.70	762.4	5.90								
167.4	17.12	367.5	10.49	567.4	7.61	767.3	5.90								
172.4	16.88	372.6	10.42	572.6	7.55	772.2	5.84								
177.3	16.60	377.6	10.32	577.4	7.49	777.4	5.80								
182.6	16.22	382.6	10.23	582.5	7.41	782.6	5.78								
187.5	16.04	387.3	10.11	587.6	7.35	787.5	5.76								
192.5	15.83	392.4	9.98	592.4	7.31	792.4	5.72								
197.4	15.66	397.4	9.87	597.2	7.26	797.3	5.68								

STATION S88G05*0014*DD CRUISE 88G05 DATE 17 OCT GMT 9:08 PM LAT 26 19.9 LON 94 0.0 DEPTH OFFSET 0.0

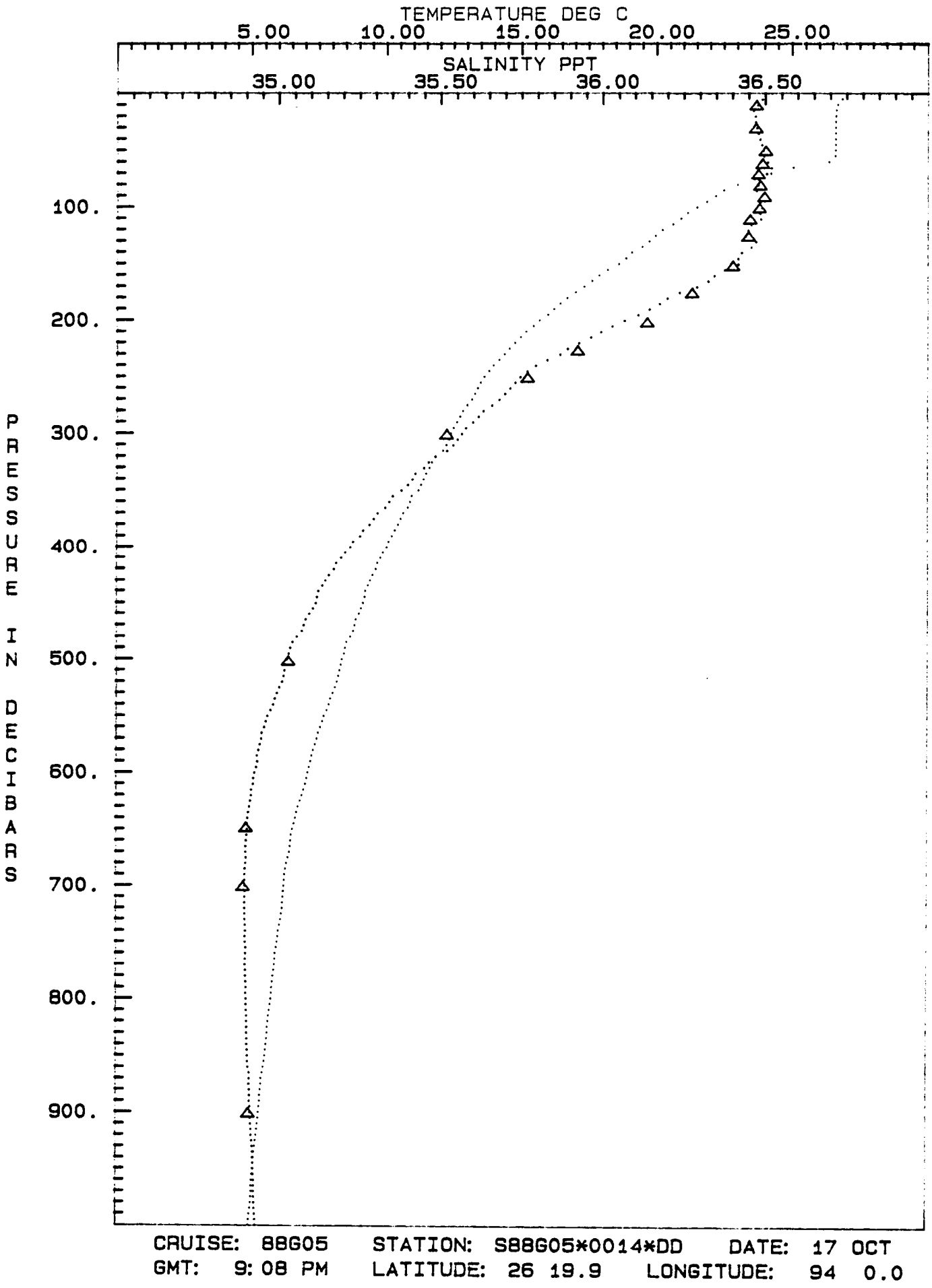
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.834	36.481	23.890	8.88	255.0	13.476	35.721	26.855	8.95	505.0	8.323	35.014	27.236	8.95
10.0	26.666	36.468	23.933	8.87	260.0	13.371	35.705	26.865	8.95	510.0	8.273	35.012	27.242	8.95
15.0	26.614	36.454	23.939	8.87	265.0	13.267	35.689	26.873	8.95	515.0	8.236	35.008	27.245	8.95
20.0	26.603	36.460	23.947	8.88	270.0	13.156	35.672	26.883	8.96	520.0	8.177	35.004	27.250	8.96
25.0	26.593	36.461	23.951	8.88	275.0	12.990	35.649	26.899	8.96	525.0	8.111	34.995	27.254	8.95
30.0	26.593	36.465	23.954	8.88	280.0	12.822	35.623	26.912	8.96	530.0	8.020	34.988	27.262	8.95
35.0	26.590	36.470	23.958	8.87	285.0	12.716	35.608	26.922	8.96	535.0	7.940	34.982	27.269	8.96
40.0	26.590	36.475	23.962	8.88	290.0	12.609	35.591	26.930	8.96	540.0	7.890	34.977	27.272	8.96
45.0	26.588	36.481	23.967	8.88	295.0	12.475	35.569	26.939	8.95	545.0	7.809	34.968	27.278	8.96
50.0	26.585	36.485	23.971	8.88	300.0	12.386	35.557	26.947	8.96	550.0	7.703	34.958	27.285	8.96
55.0	26.581	36.487	23.974	8.88	305.0	12.318	35.544	26.951	8.96	555.0	7.652	34.954	27.290	8.96
60.0	26.342	36.499	24.059	8.88	310.0	12.216	35.530	26.960	8.95	560.0	7.567	34.949	27.298	8.96
65.0	25.027	36.510	24.477	8.85	315.0	12.090	35.511	26.970	8.95	565.0	7.486	34.941	27.304	8.96
70.0	24.211	36.495	24.713	8.84	320.0	11.809	35.476	26.996	8.95	570.0	7.446	34.940	27.308	8.96
75.0	23.597	36.469	24.876	8.85	325.0	11.678	35.454	27.004	8.95	575.0	7.374	34.936	27.315	8.96
80.0	22.979	36.469	25.056	8.83	330.0	11.585	35.440	27.010	8.95	580.0	7.300	34.931	27.323	8.96
85.0	22.474	36.465	25.198	8.85	335.0	11.462	35.413	27.013	8.95	585.0	7.251	34.927	27.326	8.96
90.0	22.172	36.478	25.294	8.87	340.0	11.371	35.404	27.023	8.95	590.0	7.212	34.927	27.332	8.96
95.0	21.840	36.475	25.386	8.88	345.0	11.276	35.390	27.030	8.95	595.0	7.159	34.924	27.337	8.96
100.0	21.481	36.481	25.491	8.90	350.0	11.185	35.370	27.031	8.95	600.0	7.104	34.919	27.341	8.96
105.0	21.133	36.475	25.582	8.91	355.0	10.931	35.343	27.056	8.95	605.0	7.067	34.915	27.343	8.96
110.0	20.886	36.478	25.652	8.90	360.0	10.863	35.332	27.060	8.95	610.0	7.016	34.914	27.349	8.96
115.0	20.588	36.448	25.710	8.90	365.0	10.780	35.320	27.065	8.95	615.0	6.955	34.909	27.354	8.96
120.0	20.197	36.439	25.808	8.91	370.0	10.621	35.296	27.075	8.95	620.0	6.886	34.909	27.363	8.96
125.0	19.942	36.429	25.869	8.89	375.0	10.522	35.284	27.084	8.95	625.0	6.818	34.905	27.369	8.96
130.0	19.712	36.463	25.955	8.93	380.0	10.421	35.272	27.092	8.95	630.0	6.751	34.903	27.377	8.96
135.0	19.458	36.449	26.011	8.92	385.0	10.302	35.252	27.097	8.94	635.0	6.694	34.900	27.382	8.97
140.0	19.070	36.419	26.089	8.91	390.0	10.191	35.243	27.109	8.95	640.0	6.647	34.898	27.387	8.97
145.0	18.854	36.408	26.137	8.95	395.0	10.074	35.221	27.113	8.95	645.0	6.599	34.897	27.393	8.97
150.0	18.586	36.408	26.205	8.95	400.0	10.006	35.213	27.118	8.95	650.0	6.541	34.896	27.400	8.97
155.0	18.173	36.367	26.277	8.95	405.0	9.868	35.197	27.129	8.95	655.0	6.497	34.895	27.405	8.97
160.0	17.863	36.334	26.330	8.95	410.0	9.768	35.185	27.136	8.95	660.0	6.475	34.893	27.406	8.97
165.0	17.600	36.316	26.380	8.95	415.0	9.657	35.169	27.143	8.95	665.0	6.462	34.892	27.407	8.97
170.0	17.304	36.281	26.426	8.93	420.0	9.600	35.162	27.147	8.95	670.0	6.433	34.892	27.411	8.97
175.0	16.989	36.228	26.460	8.94	425.0	9.485	35.147	27.155	8.95	675.0	6.382	34.893	27.418	8.97
180.0	16.675	36.190	26.506	8.94	430.0	9.393	35.136	27.161	8.95	680.0	6.332	34.892	27.425	8.97
185.0	16.421	36.166	26.548	8.94	435.0	9.319	35.127	27.166	8.95	685.0	6.287	34.890	27.429	8.97
190.0	16.185	36.134	26.579	8.94	440.0	9.218	35.115	27.173	8.95	690.0	6.264	34.889	27.431	8.97
195.0	15.956	36.100	26.605	8.93	445.0	9.195	35.111	27.174	8.95	695.0	6.250	34.889	27.433	8.96
200.0	15.646	36.058	26.644	8.93	450.0	9.139	35.108	27.180	8.95	700.0	6.232	34.890	27.436	8.97
205.0	15.423	36.021	26.666	8.93	455.0	9.063	35.099	27.186	8.95	705.0	6.216	34.890	27.438	8.96
210.0	15.157	35.985	26.698	8.94	460.0	8.987	35.088	27.189	8.95	710.0	6.202	34.890	27.439	8.96
215.0	14.956	35.954	26.719	8.94	465.0	8.873	35.077	27.199	8.95	715.0	6.188	34.889	27.441	8.96
220.0	14.736	35.918	26.739	8.94	470.0	8.826	35.070	27.201	8.95	720.0	6.171	34.889	27.443	8.96
225.0	14.546	35.883	26.753	8.94	475.0	8.774	35.064	27.205	8.95	725.0	6.144	34.889	27.447	8.96
230.0	14.358	35.859	26.776	8.94	480.0	8.672	35.049	27.209	8.95	730.0	6.113	34.890	27.451	8.96
235.0	14.160	35.820	26.787	8.94	485.0	8.529	35.036	27.221	8.95	735.0	6.075	34.891	27.457	8.96
240.0	13.951	35.784	26.804	8.94	490.0	8.479	35.029	27.223	8.95	740.0	6.031	34.891	27.463	8.96
245.0	13.783	35.758	26.819	8.95	495.0	8.440	35.024	27.226	8.95	745.0	6.017	34.890	27.464	8.96
250.0	13.603	35.736	26.841	8.95	500.0	8.364	35.018	27.233	8.95	750.0	5.985	34.891	27.469	8.96

STATION S88G05*0014*DD CRUISE 88G05 DATE 17 OCT GMT 9:08 PM LAT 26 19.9 LON 94 0.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	5.952	34.893	27.474	8.96	1005.0	4.930	34.924	27.624	8.99	1255.0	4.401	34.950	27.704	9.01
760.0	5.913	34.892	27.479	8.96	1010.0	4.927	34.924	27.624	8.99	1260.0	4.396	34.951	27.705	9.01
765.0	5.904	34.892	27.479	8.96	1015.0	4.923	34.924	27.624	8.99	1265.0	4.394	34.951	27.705	9.01
770.0	5.885	34.891	27.481	8.96	1020.0	4.913	34.924	27.626	9.00	1270.0	4.390	34.951	27.705	9.01
775.0	5.859	34.892	27.486	8.96	1025.0	4.901	34.925	27.627	8.99	1275.0	4.380	34.952	27.708	9.01
780.0	5.832	34.892	27.489	8.96	1030.0	4.882	34.925	27.630	8.99	1280.0	4.372	34.952	27.708	9.01
785.0	5.810	34.893	27.492	8.96	1035.0	4.861	34.928	27.634	8.99	1285.0	4.364	34.953	27.710	9.01
790.0	5.790	34.894	27.495	8.96	1040.0	4.854	34.928	27.635	8.99	1290.0	4.359	34.953	27.710	9.01
795.0	5.777	34.893	27.497	8.96	1045.0	4.847	34.928	27.636	8.99	1295.0	4.359	34.953	27.710	9.01
800.0	5.760	34.894	27.500	8.96	1050.0	4.841	34.928	27.637	8.99	1300.0	4.360	34.953	27.710	9.01
805.0	5.732	34.894	27.503	8.97	1055.0	4.835	34.928	27.637	8.99	1305.0	4.360	34.953	27.710	9.01
810.0	5.704	34.895	27.507	8.97	1060.0	4.830	34.928	27.638	8.99	1310.0	4.361	34.952	27.710	9.01
815.0	5.673	34.896	27.512	8.98	1065.0	4.806	34.930	27.643	9.00	1315.0	4.361	34.952	27.710	9.01
820.0	5.649	34.896	27.515	8.98	1070.0	4.794	34.930	27.644	9.00	1320.0	4.359	34.953	27.710	9.01
825.0	5.631	34.896	27.518	8.98	1075.0	4.784	34.930	27.645	9.00	1325.0	4.352	34.953	27.712	9.01
830.0	5.620	34.897	27.519	8.98	1080.0	4.764	34.932	27.649	9.00	1330.0	4.345	34.954	27.713	9.01
835.0	5.604	34.897	27.521	8.98	1085.0	4.753	34.932	27.650	9.00	1335.0	4.342	34.953	27.713	9.01
840.0	5.582	34.897	27.524	8.98	1090.0	4.746	34.933	27.651	9.00	1340.0	4.337	34.954	27.714	9.01
845.0	5.559	34.898	27.528	8.98	1095.0	4.734	34.933	27.653	9.00	1345.0	4.331	34.954	27.715	9.01
850.0	5.541	34.899	27.530	8.98	1100.0	4.720	34.934	27.655	9.00	1350.0	4.312	34.955	27.718	9.01
855.0	5.516	34.899	27.534	8.98	1105.0	4.703	34.935	27.658	9.00	1355.0	4.305	34.956	27.719	9.01
860.0	5.481	34.900	27.539	8.98	1110.0	4.696	34.935	27.659	9.00	1360.0	4.302	34.956	27.719	9.01
865.0	5.436	34.904	27.547	8.98	1115.0	4.686	34.936	27.661	9.00	1365.0	4.302	34.956	27.719	9.01
870.0	5.400	34.905	27.552	8.98	1120.0	4.674	34.936	27.662	9.00	1370.0	4.300	34.956	27.719	9.01
875.0	5.393	34.904	27.553	8.98	1125.0	4.657	34.937	27.665	9.00	1375.0	4.294	34.957	27.720	9.01
880.0	5.374	34.905	27.556	8.98	1130.0	4.646	34.938	27.667	9.00	1380.0	4.294	34.956	27.720	9.01
885.0	5.354	34.906	27.559	8.98	1135.0	4.635	34.938	27.669	9.00	1385.0	4.294	34.956	27.720	9.01
890.0	5.346	34.906	27.560	8.98	1140.0	4.623	34.939	27.670	9.00	1390.0	4.294	34.956	27.720	9.01
895.0	5.321	34.907	27.563	8.98	1145.0	4.617	34.939	27.671	9.00	1395.0	4.292	34.956	27.721	9.01
900.0	5.308	34.908	27.566	8.98	1150.0	4.598	34.940	27.674	9.00	1400.0	4.290	34.957	27.721	9.01
905.0	5.293	34.908	27.568	8.98	1155.0	4.591	34.940	27.675	9.00	1405.0	4.288	34.957	27.721	9.01
910.0	5.273	34.909	27.572	8.99	1160.0	4.588	34.941	27.676	9.00	1410.0	4.287	34.957	27.721	9.01
915.0	5.248	34.910	27.575	8.99	1165.0	4.585	34.941	27.676	9.00	1415.0	4.285	34.957	27.722	9.01
920.0	5.225	34.911	27.579	8.99	1170.0	4.580	34.941	27.677	9.00	1420.0	4.279	34.957	27.723	9.01
925.0	5.193	34.913	27.584	8.99	1175.0	4.559	34.943	27.680	9.00	1425.0	4.266	34.959	27.725	9.01
930.0	5.168	34.914	27.588	8.99	1180.0	4.548	34.943	27.682	9.00	1430.0	4.258	34.959	27.726	9.01
935.0	5.142	34.916	27.592	8.99	1185.0	4.540	34.943	27.683	9.00	1435.0	4.256	34.959	27.726	9.01
940.0	5.126	34.916	27.594	8.99	1190.0	4.536	34.943	27.683	9.00	1440.0	4.253	34.959	27.727	9.01
945.0	5.106	34.917	27.597	8.99	1195.0	4.533	34.943	27.684	9.00	1445.0	4.252	34.959	27.727	9.01
950.0	5.088	34.917	27.600	8.99	1200.0	4.514	34.945	27.687	9.01	1450.0	4.245	34.959	27.728	9.01
955.0	5.069	34.918	27.602	8.99	1205.0	4.494	34.946	27.690	9.01	1455.0	4.241	34.960	27.729	9.01
960.0	5.054	34.918	27.604	8.99	1210.0	4.479	34.946	27.692	9.01	1460.0	4.240	34.960	27.729	9.01
965.0	5.044	34.919	27.606	8.99	1215.0	4.465	34.947	27.694	9.01	1465.0	4.238	34.960	27.729	9.01
970.0	5.039	34.919	27.606	8.99	1220.0	4.458	34.947	27.696	9.01	1470.0	4.239	34.960	27.729	9.01
975.0	5.027	34.920	27.609	8.99	1225.0	4.450	34.948	27.697	9.01	1475.0	4.239	34.960	27.729	9.01
980.0	5.018	34.920	27.610	8.99	1230.0	4.440	34.949	27.698	9.01	1480.0	4.238	34.960	27.729	9.01
985.0	5.001	34.921	27.613	8.99	1235.0	4.437	34.948	27.698	9.00	1485.0	4.238	34.960	27.729	9.01
990.0	4.965	34.923	27.618	8.99	1240.0	4.429	34.949	27.699	9.00	1490.0	4.237	34.960	27.729	9.01
995.0	4.950	34.923	27.621	8.99	1245.0	4.413	34.950	27.702	9.01	1495.0	4.236	34.960	27.730	9.01
1000.0	4.940	34.924	27.622	8.99	1250.0	4.405	34.951	27.704	9.01	1500.0	4.236	34.960	27.730	9.01

STATION S88G05*0014*DD CRUISE 88G05 DATE 17 OCT GMT 9:08 PM LAT 26 19.9 LON 94 0.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1505.0	4.237	34.960	27.729	9.01	1755.0	4.233	34.961	27.730	9.00					
1510.0	4.237	34.960	27.729	9.01	1760.0	4.233	34.961	27.730	9.00					
1515.0	4.237	34.960	27.729	9.01	1765.0	4.233	34.961	27.730	9.00					
1520.0	4.238	34.960	27.729	9.01	1770.0	4.233	34.961	27.730	9.00					
1525.0	4.238	34.960	27.729	9.01	1775.0	4.233	34.961	27.730	9.00					
1530.0	4.239	34.960	27.729	9.01	1780.0	4.233	34.961	27.730	8.99					
1535.0	4.240	34.960	27.729	9.01										
1540.0	4.240	34.960	27.729	9.01										
1545.0	4.240	34.960	27.729	9.01										
1550.0	4.241	34.960	27.729	9.01										
1555.0	4.241	34.960	27.729	9.01										
1560.0	4.240	34.960	27.729	9.01										
1565.0	4.240	34.960	27.729	9.01										
1570.0	4.238	34.960	27.729	9.01										
1575.0	4.237	34.960	27.730	9.01										
1580.0	4.236	34.960	27.730	9.01										
1585.0	4.236	34.960	27.730	9.01										
1590.0	4.234	34.960	27.730	9.01										
1595.0	4.232	34.960	27.730	9.01										
1600.0	4.233	34.960	27.730	9.01										
1605.0	4.233	34.960	27.730	9.01										
1610.0	4.233	34.960	27.730	9.01										
1615.0	4.232	34.960	27.730	9.01										
1620.0	4.232	34.960	27.730	9.01										
1625.0	4.232	34.961	27.730	9.01										
1630.0	4.232	34.961	27.730	9.01										
1635.0	4.231	34.961	27.730	9.01										
1640.0	4.231	34.961	27.731	9.01										
1645.0	4.231	34.961	27.730	9.00										
1650.0	4.231	34.961	27.730	9.01										
1655.0	4.232	34.961	27.730	9.01										
1660.0	4.232	34.961	27.730	9.01										
1665.0	4.232	34.961	27.730	9.01										
1670.0	4.232	34.961	27.730	9.01										
1675.0	4.232	34.961	27.730	9.01										
1680.0	4.232	34.961	27.730	9.01										
1685.0	4.233	34.961	27.730	9.01										
1690.0	4.233	34.961	27.730	9.01										
1695.0	4.233	34.961	27.730	9.00										
1700.0	4.233	34.961	27.730	9.00										
1705.0	4.233	34.961	27.730	9.00										
1710.0	4.233	34.961	27.730	9.00										
1715.0	4.233	34.961	27.730	9.00										
1720.0	4.233	34.961	27.730	9.00										
1725.0	4.232	34.961	27.730	9.00										
1730.0	4.233	34.961	27.730	9.00										
1735.0	4.232	34.961	27.730	9.00										
1740.0	4.233	34.961	27.730	9.00										
1745.0	4.233	34.961	27.730	9.00										
1750.0	4.233	34.961	27.730	9.00										



CRUISE: 88G05 STATION: S88G05*0014*DD DATE: 17 OCT
GMT: 9: 08 PM LATITUDE: 26 19.9 LONGITUDE: 94 0.0

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*14*1 DATE 17OCT88 GMT 2048 LAT 26 20.7 LON 94 .2 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.99	202.4	15.43	402.5	9.74	602.4	6.87	802.2	5.40						
7.5	26.79	207.3	15.11	407.5	9.69	607.5	6.81	807.5	5.37						
12.6	26.62	212.3	14.90	412.3	9.57	612.3	6.79	812.7	5.35						
17.5	26.61	217.6	14.65	417.3	9.51	617.5	6.72	817.6	5.35						
22.4	26.62	222.5	14.46	422.4	9.41	622.6	6.67	822.5	5.34						
27.5	26.61	227.5	14.29	427.5	9.30	627.5	6.59								
32.4	26.61	232.5	14.17	432.5	9.16	632.3	6.56								
37.3	26.60	237.5	13.99	437.6	9.12	637.4	6.50								
42.5	26.59	242.4	13.86	442.6	9.05	642.6	6.44								
47.4	26.59	247.4	13.70	447.4	8.98	647.4	6.38								
52.3	26.58	252.4	13.50	452.5	8.91	652.3	6.35								
57.5	26.57	257.4	13.36	457.5	8.86	657.4	6.26								
62.7	25.84	262.3	13.20	462.3	8.78	662.6	6.22								
67.5	24.33	267.3	13.08	467.4	8.63	667.4	6.19								
72.4	23.61	272.3	12.95	472.4	8.50	672.3	6.11								
77.7	22.87	277.3	12.82	477.5	8.40	677.5	6.06								
82.5	22.35	282.3	12.67	482.6	8.35	682.6	6.02								
87.4	21.97	287.3	12.54	487.4	8.32	687.5	5.98								
92.3	21.63	292.6	12.43	492.5	8.23	692.3	5.96								
97.3	21.26	297.6	12.26	497.5	8.14	697.5	5.92								
102.5	20.92	302.6	12.09	502.3	8.06	702.7	5.89								
107.4	20.65	307.6	11.94	507.4	7.94	707.5	5.87								
112.3	20.30	312.3	11.83	512.5	7.83	712.4	5.86								
117.5	19.91	317.3	11.71	517.3	7.78	717.2	5.83								
122.4	19.69	322.3	11.61	522.4	7.71	722.5	5.80								
127.4	19.49	327.3	11.52	527.5	7.63	727.7	5.77								
132.6	19.33	332.3	11.39	532.3	7.61	732.5	5.75								
137.5	18.88	337.4	11.18	537.4	7.53	737.4	5.74								
142.4	18.65	342.4	11.03	542.5	7.46	742.2	5.72								
147.4	18.43	347.4	10.85	547.3	7.36	747.5	5.70								
152.3	18.03	352.4	10.75	552.4	7.30	752.7	5.69								
157.6	17.59	357.5	10.63	557.5	7.26	757.5	5.64								
162.5	17.41	362.5	10.47	562.3	7.22	762.4	5.59								
167.4	17.13	367.5	10.41	567.4	7.16	767.3	5.57								
172.4	16.87	372.6	10.27	572.6	7.11	772.2	5.55								
177.3	16.65	377.6	10.15	577.4	7.05	777.4	5.53								
182.6	16.41	382.6	10.05	582.5	7.01	782.6	5.50								
187.5	16.19	387.3	9.98	587.6	6.97	787.5	5.47								
192.5	15.90	392.4	9.89	592.4	6.92	792.4	5.44								
197.4	15.76	397.4	9.81	597.2	6.89	797.3	5.42								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*15*1 DATE 18OCT88 GMT 0207 LAT 26 0.0 LON 93 59.9 OPERATOR

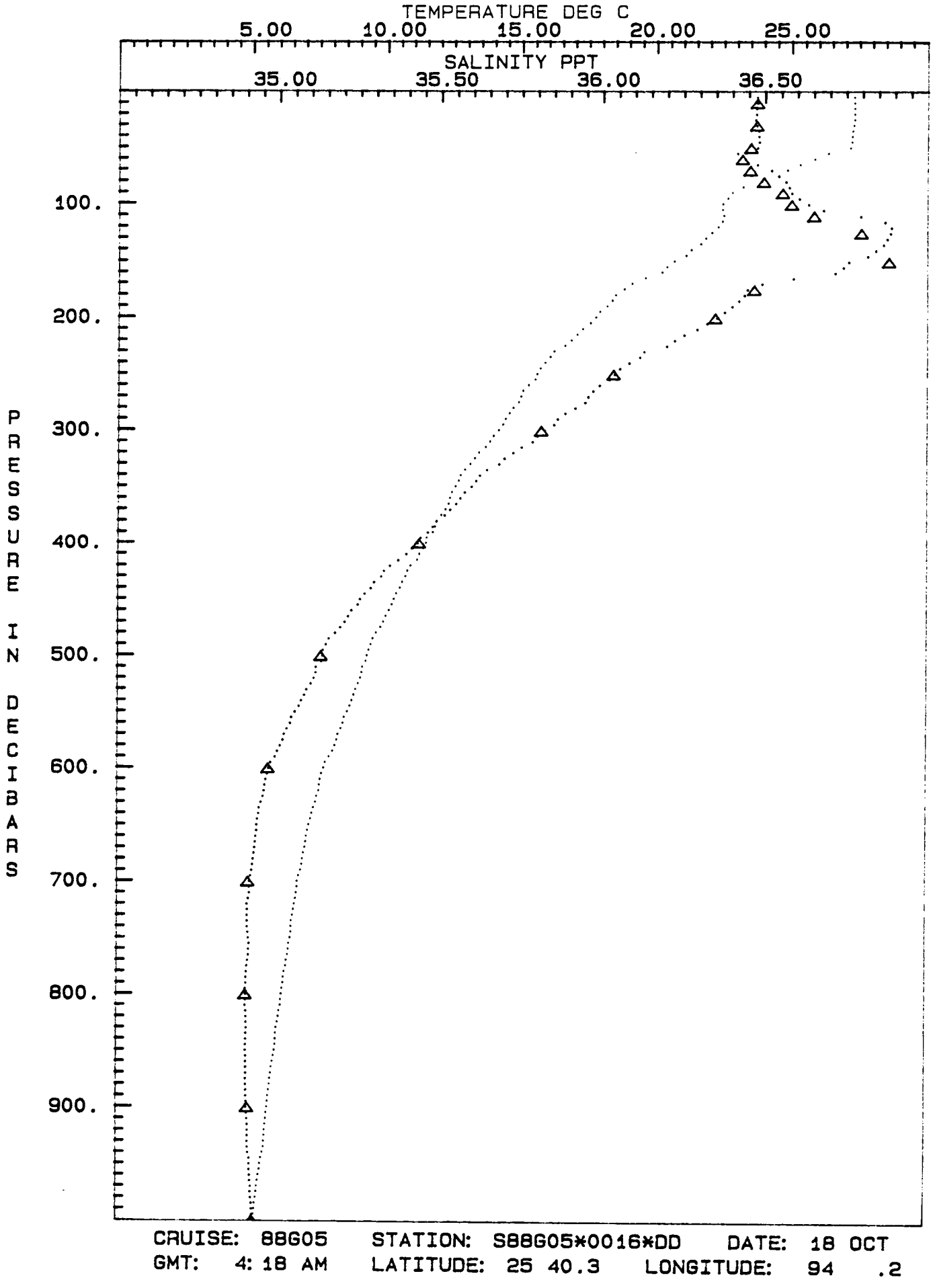
Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	27.16	202.4	16.36	402.5	10.10	602.4	7.34	802.2	5.46						
7.5	27.18	207.3	16.18	407.5	10.00	607.5	7.30	807.5	5.44						
12.6	27.17	212.3	15.86	412.3	9.93	612.3	7.20	812.7	5.40						
17.5	27.11	217.6	15.50	417.3	9.81	617.5	7.15	817.6	5.39						
22.4	26.90	222.5	15.26	422.4	9.67	622.6	7.12	822.5	5.37						
27.5	26.80	227.5	15.16	427.5	9.59	627.5	7.06								
32.4	26.79	232.5	15.05	432.5	9.50	632.3	6.99								
37.3	26.73	237.5	14.92	437.6	9.43	637.4	6.90								
42.5	26.63	242.4	14.65	442.6	9.38	642.6	6.85								
47.4	26.56	247.4	14.47	447.4	9.31	647.4	6.80								
52.3	26.51	252.4	14.14	452.5	9.20	652.3	6.70								
57.5	26.50	257.4	13.57	457.5	9.12	657.4	6.66								
62.7	26.33	262.3	13.23	462.3	9.03	662.6	6.60								
67.5	26.19	267.3	13.11	467.4	8.86	667.4	6.55								
72.4	25.79	272.3	13.05	472.4	8.74	672.3	6.46								
77.7	25.00	277.3	12.99	477.5	8.63	677.5	6.38								
82.5	24.33	282.3	12.88	482.6	8.51	682.6	6.33								
87.4	23.93	287.3	12.76	487.4	8.44	687.5	6.27								
92.3	23.42	292.6	12.66	492.5	8.35	692.3	6.23								
97.3	22.66	297.6	12.60	497.5	8.29	697.5	6.19								
102.5	22.16	302.6	12.49	502.3	8.26	702.7	6.18								
107.4	21.95	307.6	12.18	507.4	8.20	707.5	6.15								
112.3	21.69	312.3	11.96	512.5	8.14	712.4	6.09								
117.5	21.49	317.3	11.85	517.3	8.13	717.2	6.05								
122.4	21.23	322.3	11.79	522.4	8.12	722.5	6.02								
127.4	20.95	327.3	11.72	527.5	8.07	727.7	5.98								
132.6	20.45	332.3	11.68	532.3	7.99	732.5	5.96								
137.5	20.13	337.4	11.56	537.4	7.97	737.4	5.92								
142.4	19.83	342.4	11.40	542.5	7.90	742.2	5.88								
147.4	19.67	347.4	11.31	547.3	7.85	747.5	5.83								
152.3	19.31	352.4	11.22	552.4	7.74	752.7	5.79								
157.6	18.96	357.5	11.10	557.5	7.68	757.5	5.74								
162.5	18.77	362.5	10.97	562.3	7.64	762.4	5.71								
167.4	18.50	367.5	10.85	567.4	7.60	767.3	5.68								
172.4	18.06	372.6	10.66	572.6	7.57	772.2	5.65								
177.3	17.67	377.6	10.56	577.4	7.53	777.4	5.62								
182.6	17.38	382.6	10.46	582.5	7.48	782.6	5.58								
187.5	17.06	387.3	10.37	587.6	7.45	787.5	5.54								
192.5	16.85	392.4	10.27	592.4	7.42	792.4	5.52								
197.4	16.63	397.4	10.17	597.2	7.39	797.3	5.49								

STATION S88G05*0016*DD CRUISE 88G05 DATE 18 OCT GMT 4:18 AM LAT 25 40.3 LON 94 .2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	27.284	36.465	23.732	8.90	255.0	15.481	36.010	26.644	8.97	505.0	9.223	35.122	27.178	8.95
10.0	27.284	36.465	23.733	8.90	260.0	15.233	35.979	26.676	8.97	510.0	9.098	35.106	27.186	8.95
15.0	27.286	36.463	23.730	8.90	265.0	15.035	35.960	26.705	8.97	515.0	9.074	35.105	27.189	8.95
20.0	27.286	36.463	23.730	8.90	270.0	14.963	35.945	26.710	8.97	520.0	9.021	35.099	27.193	8.94
25.0	27.287	36.460	23.727	8.90	275.0	14.877	35.935	26.721	8.97	525.0	8.943	35.090	27.199	8.94
30.0	27.268	36.464	23.736	8.90	280.0	14.669	35.905	26.743	8.97	530.0	8.849	35.078	27.203	8.94
35.0	27.223	36.470	23.756	8.90	285.0	14.528	35.874	26.750	8.97	535.0	8.780	35.070	27.209	8.94
40.0	27.196	36.470	23.764	8.90	290.0	14.389	35.850	26.762	8.97	540.0	8.707	35.061	27.213	8.94
45.0	27.190	36.471	23.768	8.90	295.0	14.286	35.839	26.776	8.96	545.0	8.637	35.054	27.219	8.94
50.0	27.134	36.466	23.782	8.90	300.0	14.135	35.811	26.786	8.96	550.0	8.547	35.042	27.223	8.95
55.0	26.321	36.404	23.994	8.89	305.0	13.938	35.788	26.810	8.96	555.0	8.426	35.031	27.233	8.95
60.0	25.818	36.428	24.170	8.87	310.0	13.810	35.773	26.825	8.96	560.0	8.383	35.027	27.237	8.95
65.0	25.281	36.466	24.365	8.87	315.0	13.649	35.739	26.833	8.96	565.0	8.313	35.017	27.240	8.96
70.0	24.805	36.510	24.544	8.87	320.0	13.401	35.713	26.865	8.97	570.0	8.201	35.008	27.250	8.96
75.0	24.491	36.532	24.656	8.88	325.0	13.248	35.686	26.875	8.96	575.0	8.161	35.004	27.253	8.97
80.0	23.865	36.554	24.860	8.87	330.0	13.088	35.670	26.895	8.97	580.0	8.087	34.996	27.258	8.97
85.0	23.179	36.564	25.070	8.89	335.0	12.881	35.632	26.907	8.97	585.0	8.007	34.987	27.263	8.97
90.0	22.775	36.572	25.193	8.92	340.0	12.727	35.610	26.921	8.96	590.0	7.875	34.980	27.272	8.96
95.0	22.608	36.595	25.259	8.93	345.0	12.653	35.599	26.927	8.96	595.0	7.739	34.966	27.282	8.97
100.0	22.422	36.624	25.334	8.94	350.0	12.535	35.585	26.940	8.96	600.0	7.674	34.961	27.292	8.97
105.0	22.417	36.670	25.370	8.95	355.0	12.407	35.564	26.949	8.95	605.0	7.598	34.956	27.299	8.97
110.0	22.424	36.784	25.441	8.95	360.0	12.334	35.550	26.952	8.96	610.0	7.549	34.952	27.303	8.97
115.0	22.411	36.859	25.516	8.96	365.0	12.277	35.538	26.954	8.96	615.0	7.524	34.949	27.304	8.97
120.0	22.255	36.879	25.576	8.97	370.0	12.165	35.519	26.961	8.96	620.0	7.495	34.947	27.307	8.97
125.0	22.021	36.877	25.640	8.97	375.0	12.007	35.502	26.979	8.97	625.0	7.421	34.943	27.315	8.96
130.0	21.798	36.866	25.695	8.97	380.0	11.847	35.477	26.990	8.97	630.0	7.373	34.937	27.317	8.97
135.0	21.611	36.854	25.739	8.98	385.0	11.778	35.465	26.993	8.97	635.0	7.298	34.931	27.323	8.97
140.0	21.259	36.831	25.818	8.98	390.0	11.703	35.450	26.996	8.97	640.0	7.245	34.930	27.330	8.97
145.0	21.064	36.805	25.853	8.98	395.0	11.470	35.428	27.023	8.96	645.0	7.202	34.927	27.333	8.97
150.0	20.631	36.747	25.927	8.98	400.0	11.450	35.419	27.019	8.97	650.0	7.133	34.924	27.341	8.97
155.0	20.359	36.731	25.988	8.98	405.0	11.348	35.401	27.024	8.97	655.0	7.091	34.924	27.347	8.97
160.0	20.178	36.705	26.017	8.98	410.0	11.199	35.384	27.039	8.96	660.0	7.051	34.922	27.350	8.96
165.0	19.561	36.577	26.083	8.97	415.0	11.115	35.359	27.035	8.96	665.0	7.026	34.920	27.353	8.96
170.0	19.068	36.481	26.137	8.95	420.0	10.874	35.333	27.059	8.97	670.0	6.996	34.918	27.355	8.96
175.0	18.780	36.436	26.177	8.96	425.0	10.759	35.315	27.065	8.97	675.0	6.938	34.916	27.362	8.96
180.0	18.461	36.427	26.251	8.97	430.0	10.685	35.307	27.072	8.97	680.0	6.906	34.913	27.364	8.96
185.0	18.332	36.409	26.270	8.97	435.0	10.567	35.284	27.075	8.97	685.0	6.881	34.912	27.366	8.96
190.0	18.148	36.388	26.300	8.97	440.0	10.481	35.274	27.083	8.97	690.0	6.837	34.909	27.370	8.96
195.0	17.883	36.366	26.349	8.97	445.0	10.347	35.255	27.092	8.97	695.0	6.761	34.906	27.378	8.97
200.0	17.734	36.342	26.367	8.97	450.0	10.258	35.241	27.096	8.97	700.0	6.722	34.903	27.381	8.97
205.0	17.528	36.311	26.394	8.97	455.0	10.184	35.234	27.103	8.96	705.0	6.709	34.903	27.383	8.97
210.0	17.240	36.281	26.441	8.97	460.0	10.074	35.214	27.107	8.97	710.0	6.686	34.902	27.385	8.96
215.0	17.037	36.241	26.459	8.97	465.0	9.951	35.204	27.121	8.97	715.0	6.652	34.899	27.387	8.96
220.0	16.815	36.212	26.490	8.97	470.0	9.868	35.193	27.126	8.97	720.0	6.619	34.895	27.389	8.97
225.0	16.587	36.187	26.525	8.97	475.0	9.758	35.180	27.134	8.97	725.0	6.584	34.896	27.394	8.97
230.0	16.182	36.117	26.566	8.97	480.0	9.601	35.164	27.148	8.97	730.0	6.545	34.896	27.399	8.97
235.0	16.040	36.104	26.589	8.97	485.0	9.478	35.145	27.154	8.97	735.0	6.513	34.896	27.404	8.97
240.0	15.847	36.071	26.608	8.97	490.0	9.404	35.136	27.159	8.97	740.0	6.498	34.897	27.406	8.97
245.0	15.672	36.042	26.626	8.97	495.0	9.330	35.127	27.164	8.97	745.0	6.498	34.898	27.407	8.97
250.0	15.552	36.026	26.641	8.97	500.0	9.267	35.127	27.174	8.96	750.0	6.459	34.900	27.414	8.97

STATION S88G05*0016*DD CRUISE 88G05 DATE 18 OCT GMT 4:18 AM LAT 25 40.3 LON 94 .2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.410	34.903	27.423	8.97	1005.0	5.107	34.916	27.596	8.99	1255.0	4.458	34.946	27.695	9.01
760.0	6.394	34.901	27.423	8.97	1010.0	5.092	34.916	27.598	8.99	1260.0	4.453	34.946	27.695	9.01
765.0	6.370	34.900	27.426	8.97	1015.0	5.063	34.917	27.603	8.99	1265.0	4.445	34.947	27.697	9.01
770.0	6.326	34.898	27.430	8.97	1020.0	5.038	34.919	27.607	8.99	1270.0	4.441	34.947	27.697	9.01
775.0	6.302	34.896	27.431	8.97	1025.0	5.023	34.919	27.609	8.99	1275.0	4.436	34.948	27.698	9.01
780.0	6.248	34.894	27.438	8.97	1030.0	5.006	34.920	27.611	8.99	1280.0	4.429	34.948	27.699	9.01
785.0	6.215	34.893	27.441	8.97	1035.0	4.994	34.920	27.613	8.99	1285.0	4.425	34.948	27.700	9.01
790.0	6.205	34.893	27.442	8.97	1040.0	4.973	34.921	27.616	8.99	1290.0	4.409	34.950	27.702	9.01
795.0	6.172	34.892	27.445	8.97	1045.0	4.957	34.923	27.619	8.99	1295.0	4.406	34.949	27.702	9.01
800.0	6.145	34.892	27.449	8.97	1050.0	4.948	34.923	27.620	8.99	1300.0	4.406	34.949	27.702	9.01
805.0	6.127	34.892	27.451	8.97	1055.0	4.933	34.923	27.622	8.99	1305.0	4.403	34.950	27.703	9.01
810.0	6.108	34.891	27.453	8.97	1060.0	4.914	34.924	27.625	8.99	1310.0	4.399	34.950	27.704	9.01
815.0	6.062	34.893	27.461	8.97	1065.0	4.892	34.925	27.629	8.99	1315.0	4.389	34.950	27.705	9.01
820.0	6.036	34.894	27.464	8.97	1070.0	4.882	34.925	27.630	8.99	1320.0	4.383	34.951	27.706	9.01
825.0	6.008	34.895	27.469	8.97	1075.0	4.866	34.926	27.633	8.99	1325.0	4.376	34.951	27.707	9.01
830.0	5.964	34.895	27.475	8.97	1080.0	4.846	34.927	27.635	8.99	1330.0	4.375	34.951	27.707	9.01
835.0	5.941	34.894	27.477	8.98	1085.0	4.836	34.928	27.637	8.99	1335.0	4.374	34.951	27.707	9.01
840.0	5.930	34.894	27.478	8.98	1090.0	4.814	34.929	27.640	9.00	1340.0	4.372	34.951	27.708	9.01
845.0	5.925	34.893	27.478	8.98	1095.0	4.802	34.929	27.642	9.00	1345.0	4.364	34.952	27.709	9.01
850.0	5.901	34.893	27.481	8.98	1100.0	4.795	34.929	27.643	9.00	1350.0	4.361	34.952	27.710	9.01
855.0	5.859	34.893	27.486	8.98	1105.0	4.785	34.930	27.645	9.00	1355.0	4.358	34.952	27.710	9.01
860.0	5.824	34.893	27.491	8.98	1110.0	4.772	34.930	27.647	9.00	1360.0	4.355	34.952	27.710	9.01
865.0	5.787	34.894	27.496	8.98	1115.0	4.758	34.932	27.649	9.00	1365.0	4.349	34.952	27.711	9.01
870.0	5.766	34.894	27.499	8.98	1120.0	4.745	34.932	27.651	9.00	1370.0	4.346	34.953	27.712	9.01
875.0	5.737	34.894	27.502	8.98	1125.0	4.728	34.933	27.654	9.00	1375.0	4.342	34.953	27.712	9.01
880.0	5.718	34.893	27.504	8.98	1130.0	4.710	34.934	27.656	9.00	1380.0	4.340	34.953	27.713	9.01
885.0	5.685	34.895	27.509	8.98	1135.0	4.695	34.934	27.658	9.00	1385.0	4.336	34.953	27.713	9.01
890.0	5.662	34.895	27.512	8.98	1140.0	4.687	34.935	27.659	9.00	1390.0	4.334	34.953	27.714	9.01
895.0	5.639	34.896	27.516	8.98	1145.0	4.664	34.936	27.663	9.00	1395.0	4.329	34.954	27.714	9.01
900.0	5.624	34.895	27.518	8.98	1150.0	4.645	34.937	27.666	9.00	1400.0	4.325	34.954	27.715	9.01
905.0	5.603	34.897	27.521	8.98	1155.0	4.631	34.938	27.668	9.00	1405.0	4.320	34.954	27.716	9.01
910.0	5.585	34.898	27.525	8.98	1160.0	4.619	34.938	27.670	9.00	1410.0	4.316	34.954	27.717	9.01
915.0	5.560	34.899	27.529	8.98	1165.0	4.609	34.939	27.672	9.00	1415.0	4.314	34.954	27.717	9.01
920.0	5.542	34.900	27.531	8.98	1170.0	4.595	34.939	27.674	9.00	1420.0	4.313	34.954	27.717	9.01
925.0	5.527	34.900	27.533	8.99	1175.0	4.579	34.941	27.677	9.00	1425.0	4.310	34.955	27.717	9.01
930.0	5.516	34.899	27.534	8.99	1180.0	4.568	34.941	27.678	9.00	1430.0	4.308	34.955	27.718	9.01
935.0	5.506	34.900	27.536	8.98	1185.0	4.564	34.941	27.678	9.00	1435.0	4.307	34.955	27.718	9.01
940.0	5.466	34.902	27.542	8.98	1190.0	4.554	34.941	27.680	9.00	1440.0	4.305	34.955	27.718	9.01
945.0	5.406	34.906	27.552	8.98	1195.0	4.545	34.942	27.681	9.00	1445.0	4.304	34.955	27.718	9.01
950.0	5.374	34.906	27.557	8.99	1200.0	4.538	34.942	27.682	9.00	1450.0	4.302	34.955	27.719	9.01
955.0	5.355	34.906	27.559	8.99	1205.0	4.531	34.942	27.683	9.01	1455.0	4.301	34.955	27.719	9.01
960.0	5.315	34.908	27.565	8.99	1210.0	4.527	34.943	27.684	9.00	1460.0	4.300	34.955	27.719	9.01
965.0	5.286	34.908	27.569	8.99	1215.0	4.514	34.943	27.686	9.01	1465.0	4.297	34.955	27.719	9.01
970.0	5.254	34.910	27.574	8.99	1220.0	4.500	34.944	27.688	9.01	1470.0	4.296	34.955	27.719	9.01
975.0	5.245	34.910	27.575	8.99	1225.0	4.491	34.945	27.689	9.01	1475.0	4.292	34.956	27.720	9.01
980.0	5.212	34.911	27.580	8.99	1230.0	4.488	34.945	27.690	9.01	1480.0	4.290	34.956	27.720	9.02
985.0	5.185	34.913	27.585	8.99	1235.0	4.481	34.945	27.691	9.01	1485.0	4.289	34.956	27.720	9.02
990.0	5.163	34.914	27.588	8.99	1240.0	4.472	34.946	27.692	9.01	1490.0	4.289	34.956	27.720	9.02
995.0	5.136	34.915	27.592	8.99	1245.0	4.464	34.946	27.693	9.01	1495.0	4.288	34.956	27.720	9.02
1000.0	5.118	34.915	27.594	8.99	1250.0	4.461	34.946	27.694	9.01					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CRUISE: 88G05 STATION: S88G05*0016*DD DATE: 18 OCT
GMT: 4: 18 AM LATITUDE: 25 40.3 LONGITUDE: 94 .2

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*16*1 DATE 18OCT88 GMT 0402 LAT 25 40.3 LON 93 59.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	27.21	202.4	17.28	402.5	11.10	602.4	7.54	802.2	6.01						
7.5	27.34	207.3	17.07	407.5	11.01	607.5	7.46	807.5	5.94						
12.6	27.33	212.3	16.80	412.3	10.90	612.3	7.38	812.7	5.90						
17.5	27.33	217.6	16.60	417.3	10.73	617.5	7.33	817.6	5.84						
22.4	27.31	222.5	16.31	422.4	10.56	622.6	7.28	822.5	5.82						
27.5	27.27	227.5	15.97	427.5	10.49	627.5	7.24								
32.4	27.24	232.5	15.87	432.5	10.43	632.3	7.19								
37.3	27.22	237.5	15.65	437.6	10.37	637.4	7.16								
42.5	27.20	242.4	15.48	442.6	10.23	642.6	7.09								
47.4	27.19	247.4	15.35	447.4	10.15	647.4	7.05								
52.3	27.07	252.4	15.29	452.5	10.04	652.3	6.99								
57.5	26.13	257.4	15.19	457.5	9.96	657.4	6.95								
62.7	25.42	262.3	14.98	462.3	9.91	662.6	6.93								
67.5	24.97	267.3	14.77	467.4	9.84	667.4	6.88								
72.4	24.51	272.3	14.70	472.4	9.76	672.3	6.82								
77.7	23.88	277.3	14.64	477.5	9.62	677.5	6.80								
82.5	23.11	282.3	14.56	482.6	9.44	682.6	6.74								
87.4	22.70	287.3	14.32	487.4	9.37	687.5	6.68								
92.3	22.45	292.6	14.10	492.5	9.23	692.3	6.65								
97.3	22.34	297.6	14.02	497.5	9.10	697.5	6.63								
102.5	22.36	302.6	13.85	502.3	9.07	702.7	6.60								
107.4	22.40	307.6	13.61	507.4	9.06	707.5	6.56								
112.3	22.33	312.3	13.49	512.5	8.96	712.4	6.54								
117.5	22.20	317.3	13.35	517.3	8.85	717.2	6.49								
122.4	21.90	322.3	13.13	522.4	8.80	722.5	6.42								
127.4	21.67	327.3	12.98	527.5	8.76	727.7	6.39								
132.6	21.44	332.3	12.85	532.3	8.72	732.5	6.35								
137.5	21.11	337.4	12.59	537.4	8.62	737.4	6.31								
142.4	20.80	342.4	12.49	542.5	8.53	742.2	6.29								
147.4	20.51	347.4	12.41	547.3	8.44	747.5	6.26								
152.3	20.26	352.4	12.30	552.4	8.38	752.7	6.22								
157.6	19.97	357.5	12.20	557.5	8.32	757.5	6.18								
162.5	19.23	362.5	12.10	562.3	8.26	762.4	6.17								
167.4	18.83	367.5	12.01	567.4	8.18	767.3	6.17								
172.4	18.45	372.6	11.93	572.6	8.06	772.2	6.16								
177.3	18.30	377.6	11.80	577.4	7.97	777.4	6.14								
182.6	18.18	382.6	11.65	582.5	7.86	782.6	6.09								
187.5	17.95	387.3	11.55	587.6	7.77	787.5	6.06								
192.5	17.77	392.4	11.45	592.4	7.67	792.4	6.05								
197.4	17.51	397.4	11.21	597.2	7.62	797.3	6.05								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*17*1 DATE 18OCT88 GMT 0917 LAT 25 38.7 LON 94 .6 OPERATOR

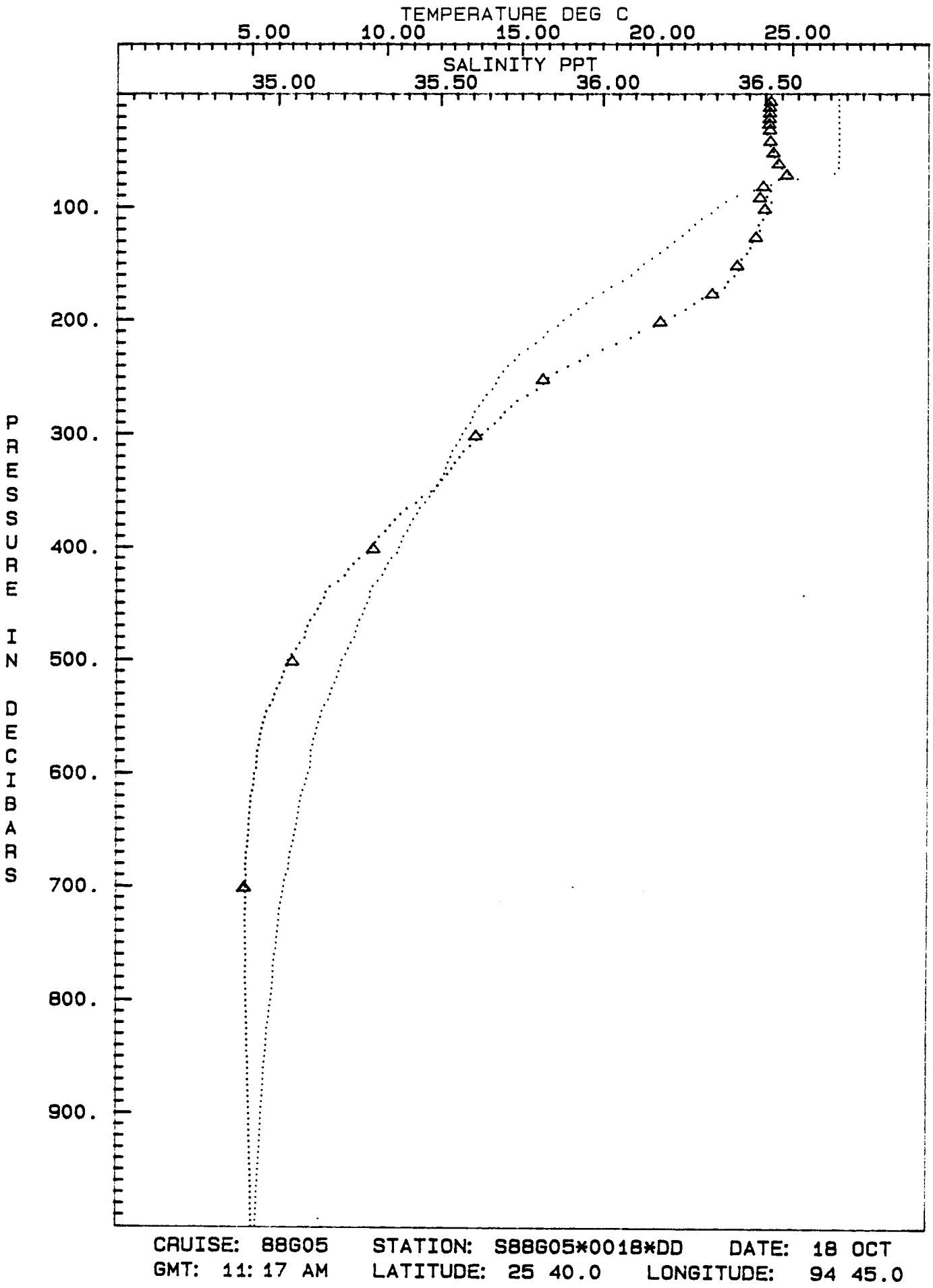
Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.04	202.4	15.88	402.5	8.06	602.4	6.49	802.2	5.26						
7.5	26.14	207.3	15.61	407.5	8.00	607.5	6.44	807.5	5.25						
12.6	26.12	212.3	15.26	412.3	7.93	612.3	6.40	812.7	5.23						
17.5	26.12	217.6	14.76	417.3	7.86	617.5	6.40	817.6	5.22						
22.4	26.11	222.5	14.44	422.4	7.79	622.6	6.37	822.5	5.20						
27.5	26.11	227.5	14.20	427.5	7.78	627.5	6.34								
32.4	25.91	232.5	13.81	432.5	7.76	632.3	6.28								
37.3	25.53	237.5	13.19	437.6	7.71	637.4	6.23								
42.5	25.11	242.4	12.94	442.6	7.62	642.6	6.17								
47.4	24.74	247.4	12.78	447.4	7.55	647.4	6.13								
52.3	24.27	252.4	12.38	452.5	7.45	652.3	6.10								
57.5	23.85	257.4	12.05	457.5	7.36	657.4	6.07								
62.7	23.61	262.3	11.83	462.3	7.33	662.6	6.02								
67.5	23.24	267.3	11.69	467.4	7.29	667.4	5.98								
72.4	22.94	272.3	11.57	472.4	7.25	672.3	5.96								
77.7	22.67	277.3	11.47	477.5	7.21	677.5	5.91								
82.5	22.55	282.3	11.42	482.6	7.14	682.6	5.84								
87.4	22.35	287.3	11.28	487.4	7.11	687.5	5.81								
92.3	22.13	292.6	11.05	492.5	7.08	692.3	5.79								
97.3	21.83	297.6	10.81	497.5	7.04	697.5	5.75								
102.5	21.59	302.6	10.65	502.3	7.02	702.7	5.69								
107.4	21.18	307.6	10.43	507.4	6.99	707.5	5.68								
112.3	20.85	312.3	10.27	512.5	6.96	712.4	5.67								
117.5	20.52	317.3	10.15	517.3	6.93	717.2	5.64								
122.4	20.18	322.3	9.89	522.4	6.91	722.5	5.60								
127.4	19.94	327.3	9.66	527.5	6.88	727.7	5.57								
132.6	19.69	332.3	9.47	532.3	6.87	732.5	5.54								
137.5	19.43	337.4	9.26	537.4	6.87	737.4	5.51								
142.4	19.23	342.4	9.10	542.5	6.86	742.2	5.50								
147.4	19.06	347.4	9.02	547.3	6.79	747.5	5.49								
152.3	18.85	352.4	8.92	552.4	6.69	752.7	5.43								
157.6	18.67	357.5	8.75	557.5	6.67	757.5	5.35								
162.5	18.35	362.5	8.62	562.3	6.65	762.4	5.34								
167.4	18.11	367.5	8.52	567.4	6.65	767.3	5.33								
172.4	17.78	372.6	8.39	572.6	6.64	772.2	5.32								
177.3	17.49	377.6	8.33	577.4	6.62	777.4	5.32								
182.6	17.22	382.6	8.31	582.5	6.59	782.6	5.31								
187.5	17.02	387.3	8.28	587.6	6.54	787.5	5.30								
192.5	16.72	392.4	8.19	592.4	6.52	792.4	5.28								
197.4	16.31	397.4	8.11	597.2	6.50	797.3	5.26								

STATION S88G05*0018*DD CRUISE 88G05 DATE 18 OCT GMT 11:17 AM LAT 25 40.0 LON 94 45.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.699	36.517	23.960	8.91	255.0	14.029	35.805	26.804	8.96	505.0	8.300	35.016	27.241	8.97
10.0	26.699	36.496	23.944	8.91	260.0	13.894	35.785	26.817	8.96	510.0	8.233	35.008	27.245	8.96
15.0	26.701	36.491	23.939	8.90	265.0	13.682	35.756	26.840	8.96	515.0	8.166	35.002	27.251	8.96
20.0	26.702	36.492	23.939	8.90	270.0	13.542	35.725	26.844	8.96	520.0	8.080	34.995	27.259	8.97
25.0	26.704	36.492	23.938	8.91	275.0	13.403	35.707	26.859	8.96	525.0	7.987	34.986	27.265	8.97
30.0	26.705	36.492	23.938	8.91	280.0	13.244	35.686	26.876	8.95	530.0	7.922	34.979	27.270	8.97
35.0	26.706	36.494	23.940	8.91	285.0	13.165	35.674	26.882	8.95	535.0	7.848	34.975	27.278	8.97
40.0	26.707	36.496	23.941	8.91	290.0	13.080	35.655	26.885	8.95	540.0	7.712	34.965	27.290	8.97
45.0	26.707	36.504	23.947	8.91	295.0	12.916	35.634	26.902	8.96	545.0	7.611	34.954	27.296	8.98
50.0	26.705	36.514	23.955	8.91	300.0	12.792	35.617	26.913	8.97	550.0	7.556	34.949	27.300	8.97
55.0	26.702	36.518	23.959	8.91	305.0	12.699	35.599	26.918	8.96	555.0	7.488	34.944	27.306	8.97
60.0	26.693	36.526	23.968	8.91	310.0	12.567	35.580	26.930	8.96	560.0	7.433	34.940	27.310	8.97
65.0	26.688	36.541	23.981	8.91	315.0	12.425	35.560	26.942	8.96	565.0	7.379	34.936	27.315	8.97
70.0	26.537	36.561	24.044	8.91	320.0	12.348	35.548	26.948	8.96	570.0	7.316	34.933	27.322	8.97
75.0	25.172	36.530	24.447	8.89	325.0	12.251	35.534	26.956	8.95	575.0	7.285	34.931	27.325	8.97
80.0	24.192	36.494	24.717	8.89	330.0	12.180	35.523	26.961	8.95	580.0	7.220	34.927	27.331	8.97
85.0	23.558	36.505	24.914	8.89	335.0	12.121	35.510	26.962	8.95	585.0	7.216	34.925	27.330	8.97
90.0	22.932	36.494	25.089	8.89	340.0	11.989	35.493	26.975	8.96	590.0	7.214	34.925	27.330	8.97
95.0	22.526	36.508	25.216	8.88	345.0	11.889	35.479	26.984	8.97	595.0	7.193	34.924	27.332	8.97
100.0	22.228	36.495	25.291	8.88	350.0	11.747	35.461	26.996	8.97	600.0	7.120	34.917	27.337	8.97
105.0	21.995	36.494	25.357	8.90	355.0	11.588	35.432	27.003	8.97	605.0	7.057	34.916	27.345	8.97
110.0	21.634	36.482	25.449	8.89	360.0	11.423	35.414	27.021	8.97	610.0	7.003	34.915	27.352	8.97
115.0	21.391	36.469	25.506	8.89	365.0	11.221	35.385	27.035	8.96	615.0	6.921	34.912	27.360	8.97
120.0	21.169	36.472	25.570	8.90	370.0	11.122	35.366	27.039	8.96	620.0	6.861	34.907	27.365	8.97
125.0	20.924	36.470	25.636	8.90	375.0	10.978	35.348	27.052	8.96	625.0	6.824	34.906	27.370	8.97
130.0	20.623	36.449	25.701	8.92	380.0	10.860	35.333	27.061	8.96	630.0	6.792	34.905	27.373	8.97
135.0	20.361	36.443	25.768	8.93	385.0	10.773	35.319	27.066	8.96	635.0	6.764	34.903	27.375	8.97
140.0	20.087	36.432	25.833	8.93	390.0	10.617	35.299	27.078	8.96	640.0	6.729	34.902	27.379	8.97
145.0	19.795	36.416	25.898	8.93	395.0	10.543	35.288	27.083	8.97	645.0	6.697	34.901	27.382	8.97
150.0	19.489	36.413	25.976	8.93	400.0	10.464	35.276	27.088	8.97	650.0	6.656	34.900	27.388	8.97
155.0	19.285	36.407	26.024	8.93	405.0	10.386	35.265	27.092	8.97	655.0	6.608	34.899	27.393	8.97
160.0	19.028	36.394	26.081	8.93	410.0	10.177	35.239	27.108	8.96	660.0	6.580	34.897	27.396	8.97
165.0	18.711	36.374	26.147	8.94	415.0	10.048	35.222	27.117	8.96	665.0	6.515	34.897	27.404	8.97
170.0	18.290	36.364	26.246	8.94	420.0	9.938	35.206	27.125	8.97	670.0	6.464	34.893	27.408	8.97
175.0	17.998	36.340	26.301	8.94	425.0	9.844	35.195	27.131	8.96	675.0	6.435	34.893	27.411	8.97
180.0	17.605	36.295	26.363	8.93	430.0	9.669	35.174	27.145	8.96	680.0	6.416	34.892	27.413	8.97
185.0	17.373	36.270	26.400	8.92	435.0	9.486	35.148	27.155	8.96	685.0	6.400	34.892	27.415	8.97
190.0	17.076	36.244	26.452	8.92	440.0	9.388	35.136	27.162	8.97	690.0	6.319	34.893	27.427	8.97
195.0	16.798	36.210	26.493	8.93	445.0	9.366	35.132	27.162	8.96	695.0	6.254	34.892	27.435	8.97
200.0	16.530	36.178	26.531	8.92	450.0	9.277	35.121	27.168	8.96	700.0	6.222	34.891	27.438	8.97
205.0	16.311	36.146	26.558	8.92	455.0	9.190	35.113	27.176	8.96	705.0	6.191	34.890	27.442	8.97
210.0	15.939	36.101	26.610	8.93	460.0	9.119	35.102	27.179	8.96	710.0	6.157	34.891	27.446	8.97
215.0	15.780	36.075	26.626	8.94	465.0	8.999	35.089	27.189	8.97	715.0	6.108	34.891	27.453	8.97
220.0	15.497	36.031	26.657	8.94	470.0	8.914	35.081	27.196	8.97	720.0	6.067	34.891	27.458	8.97
225.0	15.200	35.988	26.690	8.95	475.0	8.861	35.075	27.199	8.97	725.0	6.049	34.890	27.460	8.97
230.0	14.882	35.943	26.726	8.96	480.0	8.816	35.072	27.204	8.97	730.0	6.038	34.890	27.461	8.97
235.0	14.716	35.918	26.743	8.96	485.0	8.676	35.056	27.214	8.96	735.0	6.019	34.890	27.464	8.97
240.0	14.465	35.881	26.770	8.96	490.0	8.578	35.046	27.222	8.96	740.0	5.995	34.891	27.467	8.97
245.0	14.288	35.847	26.781	8.96	495.0	8.479	35.032	27.226	8.96	745.0	5.969	34.891	27.470	8.98
250.0	14.121	35.821	26.796	8.96	500.0	8.346	35.021	27.238	8.96	750.0	5.959	34.891	27.471	8.98

STATION S88G05*0018*DD CRUISE 88G05 DATE 18 OCT GMT 11:17 AM LAT 25 40.0 LON 94 45.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	5.927	34.891	27.476	8.98	1005.0	5.187	34.911	27.583	8.99	1255.0	4.500	34.944	27.688	9.01
760.0	5.886	34.892	27.482	8.98	1010.0	5.180	34.911	27.584	8.99	1260.0	4.487	34.945	27.690	9.01
765.0	5.855	34.892	27.486	8.97	1015.0	5.173	34.912	27.585	8.99	1265.0	4.481	34.945	27.691	9.01
770.0	5.836	34.892	27.488	8.97	1020.0	5.161	34.911	27.586	8.99	1270.0	4.477	34.945	27.691	9.01
775.0	5.832	34.891	27.488	8.97	1025.0	5.139	34.914	27.591	8.99	1275.0	4.473	34.945	27.692	9.01
780.0	5.828	34.891	27.489	8.97	1030.0	5.123	34.915	27.594	8.99	1280.0	4.471	34.945	27.692	9.01
785.0	5.809	34.891	27.491	8.97	1035.0	5.103	34.915	27.596	8.99	1285.0	4.466	34.946	27.693	9.01
790.0	5.793	34.892	27.494	8.98	1040.0	5.093	34.915	27.597	8.99	1290.0	4.458	34.946	27.695	9.02
795.0	5.772	34.892	27.497	8.97	1045.0	5.084	34.916	27.599	8.99	1295.0	4.450	34.947	27.696	9.01
800.0	5.748	34.893	27.500	8.97	1050.0	5.066	34.917	27.602	9.00	1300.0	4.446	34.947	27.696	9.01
805.0	5.717	34.893	27.504	8.97	1055.0	5.050	34.917	27.604	9.00	1305.0	4.440	34.947	27.697	9.01
810.0	5.689	34.894	27.509	8.98	1060.0	5.035	34.918	27.606	9.00	1310.0	4.440	34.947	27.697	9.01
815.0	5.670	34.894	27.511	8.97	1065.0	5.019	34.918	27.609	9.00	1315.0	4.439	34.947	27.697	9.01
820.0	5.637	34.895	27.516	8.98	1070.0	4.989	34.921	27.614	9.00	1320.0	4.429	34.948	27.698	9.01
825.0	5.604	34.896	27.521	8.98	1075.0	4.969	34.921	27.616	9.00	1325.0	4.418	34.948	27.701	9.01
830.0	5.591	34.896	27.522	8.98	1080.0	4.952	34.922	27.619	9.00	1330.0	4.414	34.949	27.701	9.01
835.0	5.582	34.896	27.523	8.98	1085.0	4.946	34.922	27.620	9.00	1335.0	4.412	34.949	27.701	9.01
840.0	5.568	34.897	27.526	8.98	1090.0	4.937	34.922	27.621	9.00	1340.0	4.407	34.949	27.702	9.01
845.0	5.557	34.897	27.527	8.98	1095.0	4.909	34.924	27.626	9.00	1345.0	4.398	34.949	27.703	9.01
850.0	5.534	34.898	27.531	8.98	1100.0	4.892	34.925	27.629	9.00	1350.0	4.395	34.949	27.704	9.01
855.0	5.511	34.899	27.534	8.98	1105.0	4.879	34.925	27.631	9.00	1355.0	4.394	34.949	27.704	9.01
860.0	5.490	34.900	27.538	8.98	1110.0	4.848	34.928	27.636	9.00	1360.0	4.391	34.950	27.704	9.01
865.0	5.482	34.900	27.538	8.98	1115.0	4.827	34.928	27.638	9.00	1365.0	4.382	34.950	27.706	9.01
870.0	5.476	34.900	27.539	8.98	1120.0	4.813	34.928	27.640	9.01	1370.0	4.380	34.950	27.706	9.01
875.0	5.467	34.900	27.541	8.98	1125.0	4.799	34.928	27.642	9.01	1375.0	4.375	34.950	27.707	9.01
880.0	5.450	34.901	27.543	8.99	1130.0	4.785	34.930	27.644	9.01	1380.0	4.373	34.951	27.707	9.01
885.0	5.437	34.901	27.546	8.99	1135.0	4.779	34.929	27.645	9.01	1385.0	4.369	34.951	27.708	9.01
890.0	5.425	34.901	27.547	8.99	1140.0	4.764	34.931	27.648	9.01	1390.0	4.362	34.951	27.709	9.01
895.0	5.403	34.903	27.551	8.99	1145.0	4.747	34.932	27.651	9.01	1395.0	4.359	34.951	27.709	9.02
900.0	5.391	34.903	27.552	8.99	1150.0	4.736	34.932	27.652	9.01	1400.0	4.358	34.951	27.709	9.02
905.0	5.380	34.904	27.554	8.99	1155.0	4.725	34.933	27.654	9.01	1405.0	4.355	34.952	27.710	9.02
910.0	5.375	34.904	27.554	8.99	1160.0	4.714	34.933	27.655	9.01	1410.0	4.351	34.952	27.711	9.02
915.0	5.370	34.904	27.555	8.99	1165.0	4.692	34.935	27.659	9.01	1415.0	4.348	34.952	27.711	9.02
920.0	5.363	34.904	27.556	8.99	1170.0	4.681	34.935	27.660	9.01	1420.0	4.347	34.952	27.711	9.02
925.0	5.349	34.905	27.559	8.99	1175.0	4.672	34.935	27.662	9.01	1425.0	4.343	34.952	27.712	9.02
930.0	5.337	34.905	27.561	8.99	1180.0	4.661	34.935	27.663	9.01	1430.0	4.338	34.952	27.712	9.02
935.0	5.323	34.906	27.563	8.99	1185.0	4.653	34.936	27.664	9.01	1435.0	4.336	34.953	27.713	9.02
940.0	5.313	34.906	27.564	8.99	1190.0	4.646	34.936	27.666	9.01	1440.0	4.335	34.952	27.713	9.02
945.0	5.301	34.907	27.566	8.99	1195.0	4.633	34.937	27.667	9.01	1445.0	4.332	34.953	27.713	9.02
950.0	5.283	34.908	27.569	8.99	1200.0	4.619	34.938	27.670	9.01	1450.0	4.329	34.953	27.714	9.02
955.0	5.272	34.908	27.570	8.99	1205.0	4.610	34.938	27.671	9.01	1455.0	4.329	34.953	27.714	9.02
960.0	5.263	34.908	27.571	8.99	1210.0	4.584	34.940	27.676	9.01	1460.0	4.325	34.953	27.715	9.02
965.0	5.249	34.909	27.574	8.99	1215.0	4.577	34.940	27.676	9.01	1465.0	4.323	34.953	27.715	9.02
970.0	5.239	34.909	27.575	8.99	1220.0	4.576	34.940	27.676	9.01	1470.0	4.319	34.953	27.715	9.02
975.0	5.236	34.909	27.576	8.99	1225.0	4.557	34.941	27.679	9.01	1475.0	4.318	34.953	27.716	9.02
980.0	5.229	34.909	27.577	8.99	1230.0	4.549	34.941	27.680	9.01	1480.0	4.315	34.954	27.716	9.02
985.0	5.221	34.910	27.578	8.99	1235.0	4.538	34.942	27.682	9.01	1485.0	4.315	34.954	27.716	9.02
990.0	5.213	34.910	27.579	8.99	1240.0	4.530	34.942	27.683	9.01	1490.0	4.314	34.954	27.716	9.02
995.0	5.201	34.911	27.581	8.99	1245.0	4.519	34.942	27.684	9.01	1495.0	4.313	34.954	27.717	9.02
1000.0	5.194	34.911	27.582	8.99	1250.0	4.511	34.943	27.686	9.01	1500.0	4.311	34.954	27.717	9.02



CRUISE: 88G05 STATION: S88G05*0018*DD DATE: 18 OCT
GMT: 11: 17 AM LATITUDE: 25 40.0 LONGITUDE: 94 45.0

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*18*1 DATE 18OCT88 GMT 1107 LAT 25 40.2 LON 94 44.7 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.62	202.4	15.71	402.5	10.20	602.4	6.75	802.2	5.46						
7.5	26.71	207.3	15.51	407.5	10.11	607.5	6.70	807.5	5.43						
12.6	26.71	212.3	15.21	412.3	10.01	612.3	6.65	812.7	5.40						
17.5	26.70	217.6	14.96	417.3	9.92	617.5	6.65	817.6	5.39						
22.4	26.70	222.5	14.73	422.4	9.79	622.6	6.59	822.5	5.37						
27.5	26.69	227.5	14.60	427.5	9.66	627.5	6.52								
32.4	26.69	232.5	14.50	432.5	9.52	632.3	6.49								
37.3	26.69	237.5	14.32	437.6	9.38	637.4	6.46								
42.5	26.69	242.4	14.20	442.6	9.22	642.6	6.45								
47.4	26.69	247.4	14.03	447.4	9.06	647.4	6.43								
52.3	26.69	252.4	13.81	452.5	8.94	652.3	6.40								
57.5	26.69	257.4	13.62	457.5	8.82	657.4	6.36								
62.7	26.68	262.3	13.51	462.3	8.76	662.6	6.33								
67.5	26.71	267.3	13.42	467.4	8.69	667.4	6.25								
72.4	26.42	272.3	13.33	472.4	8.59	672.3	6.22								
77.7	24.75	277.3	13.20	477.5	8.51	677.5	6.18								
82.5	23.68	282.3	13.03	482.6	8.45	682.6	6.16								
87.4	23.11	287.3	12.97	487.4	8.32	687.5	6.14								
92.3	22.74	292.6	12.86	492.5	8.23	692.3	6.10								
97.3	22.45	297.6	12.64	497.5	8.14	697.5	6.02								
102.5	22.10	302.6	12.41	502.3	8.05	702.7	5.99								
107.4	21.73	307.6	12.32	507.4	7.95	707.5	5.97								
112.3	21.29	312.3	12.14	512.5	7.87	712.4	5.94								
117.5	21.06	317.3	12.01	517.3	7.80	717.2	5.91								
122.4	20.77	322.3	11.94	522.4	7.69	722.5	5.88								
127.4	20.37	327.3	11.88	527.5	7.61	727.7	5.84								
132.6	19.94	332.3	11.80	532.3	7.56	732.5	5.80								
137.5	19.80	337.4	11.68	537.4	7.47	737.4	5.76								
142.4	19.65	342.4	11.57	542.5	7.41	742.2	5.73								
147.4	19.41	347.4	11.48	547.3	7.30	747.5	5.72								
152.3	19.05	352.4	11.32	552.4	7.21	752.7	5.68								
157.6	18.63	357.5	11.19	557.5	7.17	757.5	5.65								
162.5	18.37	362.5	11.09	562.3	7.10	762.4	5.64								
167.4	17.94	367.5	11.02	567.4	7.06	767.3	5.63								
172.4	17.51	372.6	10.96	572.6	6.99	772.2	5.62								
177.3	17.14	377.6	10.80	577.4	6.94	777.4	5.60								
182.6	16.85	382.6	10.65	582.5	6.92	782.6	5.59								
187.5	16.52	387.3	10.57	587.6	6.90	787.5	5.57								
192.5	16.25	392.4	10.40	592.4	6.87	792.4	5.52								
197.4	15.97	397.4	10.29	597.2	6.82	797.3	5.50								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*19*1 DATE 18OCT88 GMT 1705 LAT 26 .9 LON 94 45.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.73	202.4	18.61	402.5	10.88	602.4	7.93	802.2	5.71						
7.5	26.65	207.3	18.40	407.5	10.84	607.5	7.91	807.5	5.67						
12.6	26.60	212.3	18.10	412.3	10.82	612.3	7.86	812.7	5.64						
17.5	26.60	217.6	17.87	417.3	10.81	617.5	7.83	817.6	5.62						
22.4	26.59	222.5	17.62	422.4	10.79	622.6	7.81	822.5	5.59						
27.5	26.59	227.5	17.36	427.5	10.64	627.5	7.68								
32.4	26.60	232.5	17.15	432.5	10.46	632.3	7.53								
37.3	26.59	237.5	16.80	437.6	10.40	637.4	7.42								
42.5	26.59	242.4	16.51	442.6	10.29	642.6	7.24								
47.4	26.57	247.4	16.29	447.4	10.19	647.4	7.18								
52.3	26.54	252.4	16.10	452.5	10.08	652.3	7.15								
57.5	25.38	257.4	15.86	457.5	10.03	657.4	7.11								
62.7	24.11	262.3	15.66	462.3	9.92	662.6	7.06								
67.5	23.75	267.3	15.29	467.4	9.73	667.4	6.99								
72.4	23.59	272.3	15.12	472.4	9.65	672.3	6.93								
77.7	23.23	277.3	14.81	477.5	9.55	677.5	6.89								
82.5	22.92	282.3	14.57	482.6	9.49	682.6	6.80								
87.4	22.64	287.3	14.46	487.4	9.43	687.5	6.75								
92.3	22.52	292.6	14.21	492.5	9.37	692.3	6.69								
97.3	22.41	297.6	14.04	497.5	9.29	697.5	6.62								
102.5	22.16	302.6	13.89	502.3	9.24	702.7	6.56								
107.4	21.93	307.6	13.66	507.4	9.17	707.5	6.50								
112.3	21.73	312.3	13.51	512.5	9.12	712.4	6.45								
117.5	21.53	317.3	13.26	517.3	9.04	717.2	6.43								
122.4	21.39	322.3	13.08	522.4	8.98	722.5	6.32								
127.4	21.32	327.3	12.83	527.5	8.90	727.7	6.27								
132.6	21.24	332.3	12.57	532.3	8.82	732.5	6.25								
137.5	21.21	337.4	12.33	537.4	8.72	737.4	6.20								
142.4	21.16	342.4	12.22	542.5	8.62	742.2	6.14								
147.4	21.07	347.4	12.18	547.3	8.52	747.5	6.09								
152.3	20.90	352.4	12.06	552.4	8.38	752.7	6.05								
157.6	20.68	357.5	11.90	557.5	8.29	757.5	6.00								
162.5	20.42	362.5	11.79	562.3	8.25	762.4	5.97								
167.4	20.30	367.5	11.68	567.4	8.23	767.3	5.96								
172.4	20.06	372.6	11.52	572.6	8.20	772.2	5.95								
177.3	19.82	377.6	11.33	577.4	8.17	777.4	5.91								
182.6	19.67	382.6	11.20	582.5	8.15	782.6	5.85								
187.5	19.48	387.3	11.06	587.6	8.09	787.5	5.84								
192.5	19.31	392.4	10.96	592.4	8.03	792.4	5.81								
197.4	19.01	397.4	10.92	597.2	7.97	797.3	5.78								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*20*1 DATE 180CT88 GMT 1858 LAT 26 20.1 LON 94 45.1 OPERATOR

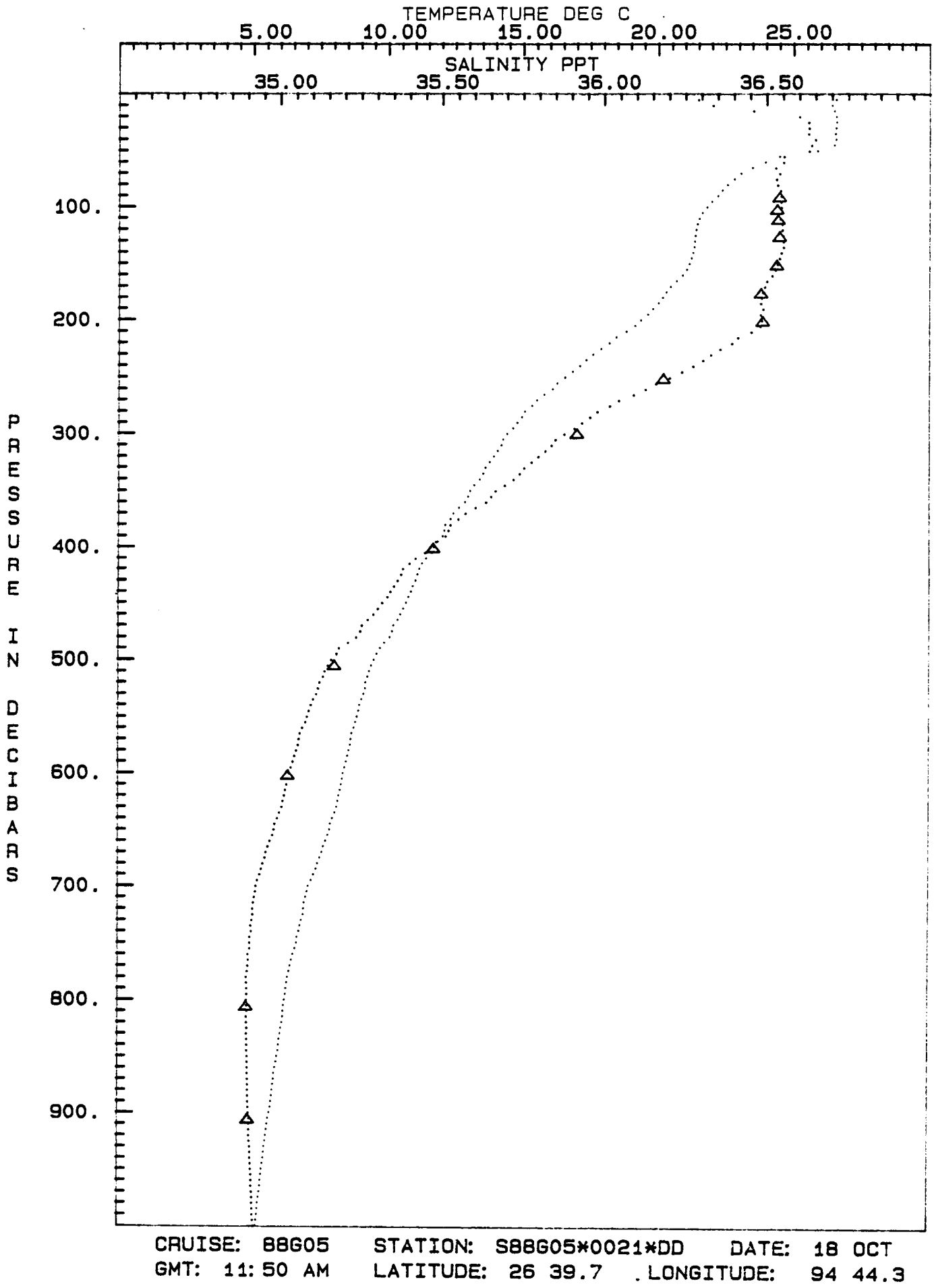
Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.70	202.4	18.84	402.5	11.63	602.4	8.12	802.2	5.99						
7.5	26.57	207.3	18.65	407.5	11.50	607.5	8.01	807.5	5.94						
12.6	26.53	212.3	18.41	412.3	11.43	612.3	7.92	812.7	5.90						
17.5	26.52	217.6	18.20	417.3	11.30	617.5	7.88	817.6	5.87						
22.4	26.52	222.5	17.90	422.4	11.17	622.6	7.85	822.5	5.82						
27.5	26.52	227.5	17.57	427.5	11.04	627.5	7.80								
32.4	26.52	232.5	17.16	432.5	10.93	632.3	7.75								
37.3	26.52	237.5	16.79	437.6	10.78	637.4	7.72								
42.5	26.51	242.4	16.45	442.6	10.64	642.6	7.68								
47.4	26.49	247.4	16.28	447.4	10.55	647.4	7.60								
52.3	26.44	252.4	16.10	452.5	10.45	652.3	7.54								
57.5	25.83	257.4	15.90	457.5	10.39	657.4	7.49								
62.7	24.14	262.3	15.73	462.3	10.30	662.6	7.44								
67.5	23.45	267.3	15.40	467.4	10.22	667.4	7.34								
72.4	22.96	272.3	15.11	472.4	10.11	672.3	7.27								
77.7	22.73	277.3	14.94	477.5	10.05	677.5	7.19								
82.5	22.47	282.3	14.86	482.6	9.96	682.6	7.10								
87.4	22.32	287.3	14.75	487.4	9.87	687.5	7.09								
92.3	22.15	292.6	14.59	492.5	9.78	692.3	7.07								
97.3	21.96	297.6	14.45	497.5	9.73	697.5	6.98								
102.5	21.83	302.6	14.23	502.3	9.67	702.7	6.87								
107.4	21.67	307.6	13.98	507.4	9.60	707.5	6.83								
112.3	21.55	312.3	13.84	512.5	9.54	712.4	6.80								
117.5	21.44	317.3	13.68	517.3	9.43	717.2	6.74								
122.4	21.35	322.3	13.60	522.4	9.31	722.5	6.64								
127.4	21.28	327.3	13.51	527.5	9.15	727.7	6.57								
132.6	21.23	332.3	13.40	532.3	9.05	732.5	6.55								
137.5	21.21	337.4	13.26	537.4	9.00	737.4	6.50								
142.4	21.15	342.4	13.11	542.5	8.90	742.2	6.45								
147.4	21.06	347.4	12.99	547.3	8.86	747.5	6.42								
152.3	20.99	352.4	12.83	552.4	8.78	752.7	6.34								
157.6	20.90	357.5	12.71	557.5	8.72	757.5	6.31								
162.5	20.64	362.5	12.60	562.3	8.64	762.4	6.29								
167.4	20.33	367.5	12.46	567.4	8.59	767.3	6.24								
172.4	20.14	372.6	12.33	572.6	8.50	772.2	6.19								
177.3	19.93	377.6	12.26	577.4	8.44	777.4	6.18								
182.6	19.78	382.6	12.16	582.5	8.36	782.6	6.14								
187.5	19.54	387.3	12.08	587.6	8.32	787.5	6.09								
192.5	19.30	392.4	11.96	592.4	8.23	792.4	6.05								
197.4	19.07	397.4	11.78	597.2	8.16	797.3	6.02								

STATION S88G05*0021*DD CRUISE 88G05 DATE 18 OCT GMT 11:50 AM LAT 26 39.7 LON 94 44.3 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.555	36.279	23.826	8.87	255.0	16.253	36.149	26.574	8.96	505.0	9.387	35.140	27.165	8.94
10.0	26.398	36.325	23.910	8.87	260.0	16.084	36.117	26.589	8.96	510.0	9.313	35.130	27.170	8.95
15.0	26.485	36.450	23.977	8.88	265.0	15.770	36.081	26.633	8.95	515.0	9.253	35.125	27.175	8.94
20.0	26.558	36.591	24.060	8.89	270.0	15.508	36.035	26.658	8.95	520.0	9.178	35.114	27.179	8.94
25.0	26.566	36.619	24.079	8.90	275.0	15.320	36.007	26.678	8.96	525.0	9.162	35.110	27.178	8.94
30.0	26.551	36.620	24.084	8.90	280.0	15.054	35.968	26.708	8.96	530.0	9.110	35.104	27.182	8.94
35.0	26.518	36.618	24.094	8.89	285.0	14.949	35.947	26.714	8.96	535.0	9.035	35.094	27.187	8.94
40.0	26.546	36.640	24.101	8.89	290.0	14.778	35.922	26.733	8.96	540.0	8.959	35.088	27.194	8.94
45.0	26.483	36.628	24.112	8.89	295.0	14.620	35.898	26.749	8.96	545.0	8.917	35.081	27.196	8.94
50.0	25.857	36.620	24.303	8.87	300.0	14.399	35.867	26.773	8.95	550.0	8.862	35.076	27.200	8.93
55.0	24.459	36.543	24.674	8.86	305.0	14.251	35.840	26.784	8.96	555.0	8.807	35.071	27.205	8.94
60.0	23.939	36.541	24.829	8.88	310.0	14.188	35.828	26.788	8.96	560.0	8.749	35.062	27.207	8.94
65.0	23.461	36.518	24.952	8.88	315.0	14.050	35.809	26.802	8.96	565.0	8.673	35.054	27.213	8.94
70.0	23.040	36.530	25.084	8.90	320.0	13.910	35.787	26.816	8.96	570.0	8.638	35.051	27.216	8.94
75.0	22.796	36.520	25.147	8.90	325.0	13.758	35.766	26.831	8.96	575.0	8.617	35.048	27.217	8.94
80.0	22.545	36.523	25.223	8.90	330.0	13.600	35.743	26.846	8.96	580.0	8.560	35.043	27.222	8.94
85.0	22.355	36.533	25.284	8.90	335.0	13.520	35.729	26.852	8.96	585.0	8.521	35.037	27.224	8.94
90.0	22.193	36.535	25.332	8.90	340.0	13.397	35.710	26.863	8.96	590.0	8.473	35.032	27.227	8.95
95.0	21.962	36.534	25.396	8.90	345.0	13.184	35.684	26.886	8.95	595.0	8.410	35.027	27.233	8.95
100.0	21.787	36.535	25.447	8.92	350.0	13.042	35.655	26.893	8.95	600.0	8.362	35.021	27.236	8.95
105.0	21.619	36.533	25.492	8.92	355.0	12.966	35.642	26.898	8.95	605.0	8.328	35.016	27.237	8.95
110.0	21.504	36.532	25.523	8.93	360.0	12.849	35.626	26.909	8.96	610.0	8.292	35.013	27.240	8.95
115.0	21.433	36.537	25.547	8.94	365.0	12.632	35.594	26.927	8.96	615.0	8.254	35.009	27.243	8.95
120.0	21.391	36.538	25.559	8.94	370.0	12.425	35.563	26.945	8.95	620.0	8.198	35.007	27.249	8.95
125.0	21.355	36.541	25.571	8.95	375.0	12.318	35.541	26.949	8.95	625.0	8.161	35.002	27.251	8.95
130.0	21.338	36.541	25.576	8.95	380.0	12.122	35.517	26.968	8.95	630.0	8.129	34.999	27.254	8.95
135.0	21.319	36.542	25.582	8.96	385.0	12.085	35.511	26.970	8.95	635.0	8.056	34.992	27.260	8.95
140.0	21.273	36.535	25.589	8.96	390.0	12.023	35.502	26.975	8.95	640.0	7.970	34.985	27.267	8.95
145.0	21.214	36.530	25.602	8.96	395.0	11.844	35.473	26.987	8.95	645.0	7.894	34.977	27.272	8.96
150.0	21.136	36.523	25.618	8.96	400.0	11.701	35.455	27.001	8.95	650.0	7.866	34.974	27.274	8.96
155.0	21.036	36.517	25.641	8.97	405.0	11.630	35.438	27.001	8.95	655.0	7.803	34.970	27.281	8.96
160.0	20.890	36.507	25.675	8.96	410.0	11.414	35.409	27.019	8.95	660.0	7.722	34.962	27.286	8.96
165.0	20.660	36.491	25.723	8.97	415.0	11.263	35.391	27.032	8.95	665.0	7.639	34.956	27.293	8.96
170.0	20.440	36.484	25.778	8.97	420.0	11.168	35.371	27.034	8.95	670.0	7.585	34.950	27.296	8.96
175.0	20.281	36.479	25.816	8.97	425.0	11.099	35.365	27.042	8.95	675.0	7.504	34.947	27.306	8.96
180.0	20.146	36.474	25.849	8.97	430.0	11.025	35.354	27.048	8.95	680.0	7.421	34.940	27.313	8.96
185.0	19.994	36.473	25.888	8.97	435.0	10.929	35.343	27.056	8.95	685.0	7.369	34.936	27.316	8.96
190.0	19.781	36.479	25.950	8.97	440.0	10.856	35.332	27.061	8.95	690.0	7.280	34.931	27.325	8.96
195.0	19.599	36.472	25.992	8.97	445.0	10.766	35.323	27.070	8.95	695.0	7.193	34.924	27.332	8.96
200.0	19.341	36.475	26.062	8.97	450.0	10.674	35.307	27.074	8.95	700.0	7.085	34.920	27.344	8.96
205.0	19.132	36.470	26.113	8.97	455.0	10.574	35.293	27.081	8.95	705.0	7.039	34.918	27.349	8.96
210.0	18.811	36.443	26.175	8.97	460.0	10.465	35.280	27.090	8.95	710.0	6.997	34.914	27.352	8.96
215.0	18.433	36.402	26.239	8.97	465.0	10.363	35.263	27.095	8.95	715.0	6.935	34.911	27.358	8.96
220.0	18.181	36.384	26.289	8.97	470.0	10.208	35.244	27.107	8.95	720.0	6.911	34.910	27.361	8.96
225.0	17.869	36.348	26.338	8.97	475.0	10.164	35.239	27.111	8.95	725.0	6.902	34.910	27.361	8.96
230.0	17.583	36.318	26.386	8.96	480.0	10.071	35.227	27.118	8.95	730.0	6.827	34.907	27.369	8.96
235.0	17.327	36.294	26.430	8.96	485.0	9.874	35.202	27.132	8.94	735.0	6.777	34.904	27.374	8.96
240.0	17.093	36.264	26.464	8.96	490.0	9.716	35.174	27.136	8.94	740.0	6.747	34.905	27.379	8.97
245.0	16.825	36.229	26.501	8.97	495.0	9.589	35.166	27.152	8.94	745.0	6.677	34.901	27.385	8.97
250.0	16.544	36.192	26.539	8.96	500.0	9.487	35.150	27.156	8.94	750.0	6.653	34.900	27.388	8.97

STATION S88G05*0021*DD CRUISE 88G05 DATE 18 OCT GMT 11:50 AM LAT 26 39.7 LON 94 44.3 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.590	34.900	27.397	8.97	1005.0	5.144	34.914	27.591	8.98	1255.0	4.448	34.948	27.697	9.00
760.0	6.518	34.895	27.402	8.97	1010.0	5.131	34.915	27.592	8.98	1260.0	4.440	34.948	27.698	9.00
765.0	6.467	34.895	27.409	8.97	1015.0	5.114	34.915	27.595	8.98	1265.0	4.432	34.949	27.699	9.00
770.0	6.414	34.895	27.416	8.97	1020.0	5.087	34.916	27.599	8.98	1270.0	4.422	34.949	27.701	9.00
775.0	6.376	34.893	27.419	8.97	1025.0	5.064	34.918	27.603	8.98	1275.0	4.411	34.950	27.702	9.00
780.0	6.329	34.890	27.423	8.97	1030.0	5.051	34.918	27.605	8.99	1280.0	4.403	34.950	27.704	9.00
785.0	6.291	34.890	27.428	8.97	1035.0	5.031	34.919	27.608	8.99	1285.0	4.400	34.950	27.704	9.00
790.0	6.268	34.891	27.433	8.97	1040.0	5.017	34.919	27.610	8.98	1290.0	4.393	34.951	27.705	9.00
795.0	6.247	34.891	27.435	8.97	1045.0	5.008	34.920	27.611	8.99	1295.0	4.382	34.951	27.707	9.00
800.0	6.209	34.891	27.440	8.97	1050.0	4.994	34.920	27.613	8.99	1300.0	4.376	34.952	27.708	9.00
805.0	6.177	34.892	27.444	8.97	1055.0	4.972	34.922	27.617	8.99	1305.0	4.372	34.952	27.708	9.00
810.0	6.157	34.892	27.447	8.97	1060.0	4.949	34.922	27.620	8.99	1310.0	4.366	34.952	27.709	9.00
815.0	6.151	34.891	27.448	8.97	1065.0	4.943	34.922	27.620	8.99	1315.0	4.364	34.952	27.710	9.00
820.0	6.119	34.891	27.451	8.97	1070.0	4.920	34.925	27.625	8.99	1320.0	4.360	34.952	27.710	9.00
825.0	6.072	34.892	27.458	8.97	1075.0	4.902	34.924	27.627	8.99	1325.0	4.355	34.953	27.711	9.00
830.0	6.047	34.892	27.461	8.97	1080.0	4.880	34.926	27.631	8.99	1330.0	4.348	34.953	27.712	9.00
835.0	6.019	34.892	27.465	8.97	1085.0	4.862	34.927	27.633	8.99	1335.0	4.342	34.953	27.713	9.00
840.0	5.998	34.892	27.468	8.98	1090.0	4.838	34.928	27.637	8.99	1340.0	4.318	34.955	27.717	9.00
845.0	5.979	34.892	27.470	8.97	1095.0	4.823	34.929	27.639	8.99	1345.0	4.303	34.956	27.719	9.00
850.0	5.934	34.893	27.477	8.97	1100.0	4.809	34.929	27.641	8.99	1350.0	4.301	34.956	27.719	9.00
855.0	5.905	34.893	27.481	8.97	1105.0	4.789	34.930	27.645	8.99	1355.0	4.299	34.956	27.719	9.00
860.0	5.861	34.894	27.486	8.97	1110.0	4.778	34.931	27.646	8.99	1360.0	4.295	34.956	27.720	9.00
865.0	5.826	34.894	27.491	8.97	1115.0	4.774	34.931	27.647	8.99	1365.0	4.288	34.956	27.721	9.00
870.0	5.809	34.895	27.494	8.97	1120.0	4.762	34.932	27.649	8.99	1370.0	4.282	34.957	27.722	9.00
875.0	5.785	34.895	27.497	8.97	1125.0	4.745	34.933	27.652	8.99	1375.0	4.278	34.957	27.722	9.00
880.0	5.765	34.895	27.500	8.97	1130.0	4.729	34.933	27.654	8.99	1380.0	4.276	34.957	27.723	9.00
885.0	5.742	34.895	27.503	8.97	1135.0	4.725	34.933	27.654	8.99	1385.0	4.274	34.957	27.723	9.00
890.0	5.720	34.896	27.506	8.97	1140.0	4.720	34.934	27.655	8.99	1390.0	4.272	34.957	27.723	9.00
895.0	5.700	34.897	27.510	8.97	1145.0	4.705	34.934	27.657	8.99	1395.0	4.269	34.957	27.724	9.00
900.0	5.656	34.898	27.516	8.98	1150.0	4.688	34.935	27.660	8.99	1400.0	4.263	34.958	27.725	9.00
905.0	5.612	34.900	27.523	8.98	1155.0	4.675	34.936	27.662	8.99	1405.0	4.261	34.958	27.725	9.00
910.0	5.580	34.900	27.527	8.98	1160.0	4.647	34.938	27.667	8.99					
915.0	5.553	34.900	27.530	8.98	1165.0	4.636	34.938	27.668	8.99					
920.0	5.524	34.900	27.533	8.98	1170.0	4.620	34.939	27.671	8.99					
925.0	5.500	34.901	27.538	8.98	1175.0	4.598	34.940	27.674	8.99					
930.0	5.467	34.902	27.542	8.98	1180.0	4.589	34.940	27.675	8.99					
935.0	5.448	34.903	27.545	8.98	1185.0	4.581	34.941	27.677	8.99					
940.0	5.435	34.903	27.547	8.98	1190.0	4.568	34.941	27.678	8.99					
945.0	5.405	34.904	27.552	8.98	1195.0	4.556	34.942	27.680	9.00					
950.0	5.374	34.905	27.556	8.98	1200.0	4.545	34.943	27.682	9.00					
955.0	5.350	34.907	27.560	8.98	1205.0	4.530	34.944	27.684	9.00					
960.0	5.333	34.907	27.563	8.98	1210.0	4.517	34.945	27.687	9.00					
965.0	5.316	34.907	27.564	8.98	1215.0	4.507	34.945	27.688	9.00					
970.0	5.288	34.908	27.569	8.99	1220.0	4.502	34.945	27.688	9.00					
975.0	5.263	34.910	27.573	8.99	1225.0	4.496	34.945	27.689	9.00					
980.0	5.241	34.910	27.576	8.99	1230.0	4.490	34.945	27.690	9.00					
985.0	5.226	34.911	27.578	8.99	1235.0	4.483	34.946	27.691	9.00					
990.0	5.211	34.911	27.580	8.99	1240.0	4.469	34.947	27.694	9.00					
995.0	5.184	34.913	27.584	8.98	1245.0	4.455	34.948	27.696	9.00					
1000.0	5.156	34.914	27.589	8.98	1250.0	4.452	34.948	27.696	9.00					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PRESSURE IN DECIBARS
CRUISE: 88G05 STATION: S88G05*0021*DD DATE: 18 OCT
GMT: 11:50 AM LATITUDE: 26 39.7 LONGITUDE: 94 44.3

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*21*1 DATE 18OCT88 GMT 2124 LAT 26 39.9 LON 94 45.2 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.68	202.4	19.21	402.5	11.70	602.4	8.21	802.2	6.17						
7.5	26.42	207.3	18.88	407.5	11.62	607.5	8.17	807.5	6.13						
12.6	26.37	212.3	18.60	412.3	11.47	612.3	8.13	812.7	6.07						
17.5	26.48	217.6	18.30	417.3	11.38	617.5	8.08	817.6	6.02						
22.4	26.50	222.5	18.04	422.4	11.19	622.6	8.07	822.5	5.98						
27.5	26.50	227.5	17.81	427.5	11.06	627.5	8.01								
32.4	26.52	232.5	17.54	432.5	10.98	632.3	7.96								
37.3	26.52	237.5	17.20	437.6	10.84	637.4	7.91								
42.5	26.52	242.4	16.91	442.6	10.77	642.6	7.84								
47.4	25.24	247.4	16.70	447.4	10.64	647.4	7.80								
52.3	23.81	252.4	16.37	452.5	10.51	652.3	7.75								
57.5	23.32	257.4	16.13	457.5	10.36	657.4	7.64								
62.7	23.09	262.3	15.85	462.3	10.28	662.6	7.51								
67.5	22.88	267.3	15.63	467.4	10.16	667.4	7.42								
72.4	22.61	272.3	15.44	472.4	10.07	672.3	7.34								
77.7	22.38	277.3	15.10	477.5	10.04	677.5	7.26								
82.5	22.21	282.3	14.93	482.6	10.02	682.6	7.21								
87.4	22.03	287.3	14.72	487.4	10.00	687.5	7.16								
92.3	21.85	292.6	14.56	492.5	9.86	692.3	7.12								
97.3	21.73	297.6	14.39	497.5	9.71	697.5	7.07								
102.5	21.59	302.6	14.20	502.3	9.58	702.7	7.01								
107.4	21.48	307.6	14.05	507.4	9.46	707.5	6.97								
112.3	21.39	312.3	13.94	512.5	9.39	712.4	6.92								
117.5	21.32	317.3	13.89	517.3	9.28	717.2	6.88								
122.4	21.29	322.3	13.75	522.4	9.18	722.5	6.83								
127.4	21.26	327.3	13.56	527.5	9.11	727.7	6.76								
132.6	21.24	332.3	13.46	532.3	8.98	732.5	6.72								
137.5	21.20	337.4	13.32	537.4	8.92	737.4	6.71								
142.4	21.15	342.4	13.13	542.5	8.88	742.2	6.71								
147.4	21.02	347.4	13.01	547.3	8.82	747.5	6.69								
152.3	20.85	352.4	12.88	552.4	8.77	752.7	6.65								
157.6	20.63	357.5	12.72	557.5	8.69	757.5	6.58								
162.5	20.42	362.5	12.59	562.3	8.60	762.4	6.53								
167.4	20.28	367.5	12.42	567.4	8.54	767.3	6.49								
172.4	20.13	372.6	12.32	572.6	8.47	772.2	6.41								
177.3	20.01	377.6	12.31	577.4	8.41	777.4	6.39								
182.6	19.86	382.6	12.14	582.5	8.36	782.6	6.33								
187.5	19.68	387.3	11.98	587.6	8.31	787.5	6.27								
192.5	19.46	392.4	11.88	592.4	8.27	792.4	6.23								
197.4	19.32	397.4	11.81	597.2	8.24	797.3	6.19								

STATION 88G05*0022*DD CRUISE 88G05 DATE 19 OCT GMT 7:03 AM LAT 26 35.4 LON 94 46.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.507	36.294	23.852	8.89										
10.0	26.509	36.259	23.825	8.89										
15.0	26.509	36.243	23.813	8.89										
20.0	26.504	36.255	23.824	8.89										
25.0	26.468	36.492	24.014	8.90										
30.0	26.480	36.578	24.075	8.91										
35.0	26.437	36.587	24.096	8.91										
40.0	26.428	36.595	24.104	8.91										
45.0	26.461	36.622	24.114	8.91										
50.0	26.493	36.642	24.120	8.91										
55.0	26.498	36.649	24.124	8.91										
60.0	25.630	36.550	24.321	8.89										
65.0	24.244	36.543	24.739	8.89										
70.0	23.793	36.519	24.855	8.89										
75.0	23.460	36.518	24.953	8.90										
80.0	23.085	36.518	25.062	8.90										
85.0	22.755	36.524	25.163	8.90										
90.0	22.425	36.533	25.264	8.91										
95.0	22.199	36.521	25.319	8.91										
100.0	21.978	36.527	25.386	8.91										
105.0	21.849	36.525	25.421	8.92										
110.0	21.701	36.523	25.461	8.93										
115.0	21.579	36.524	25.496	8.94										

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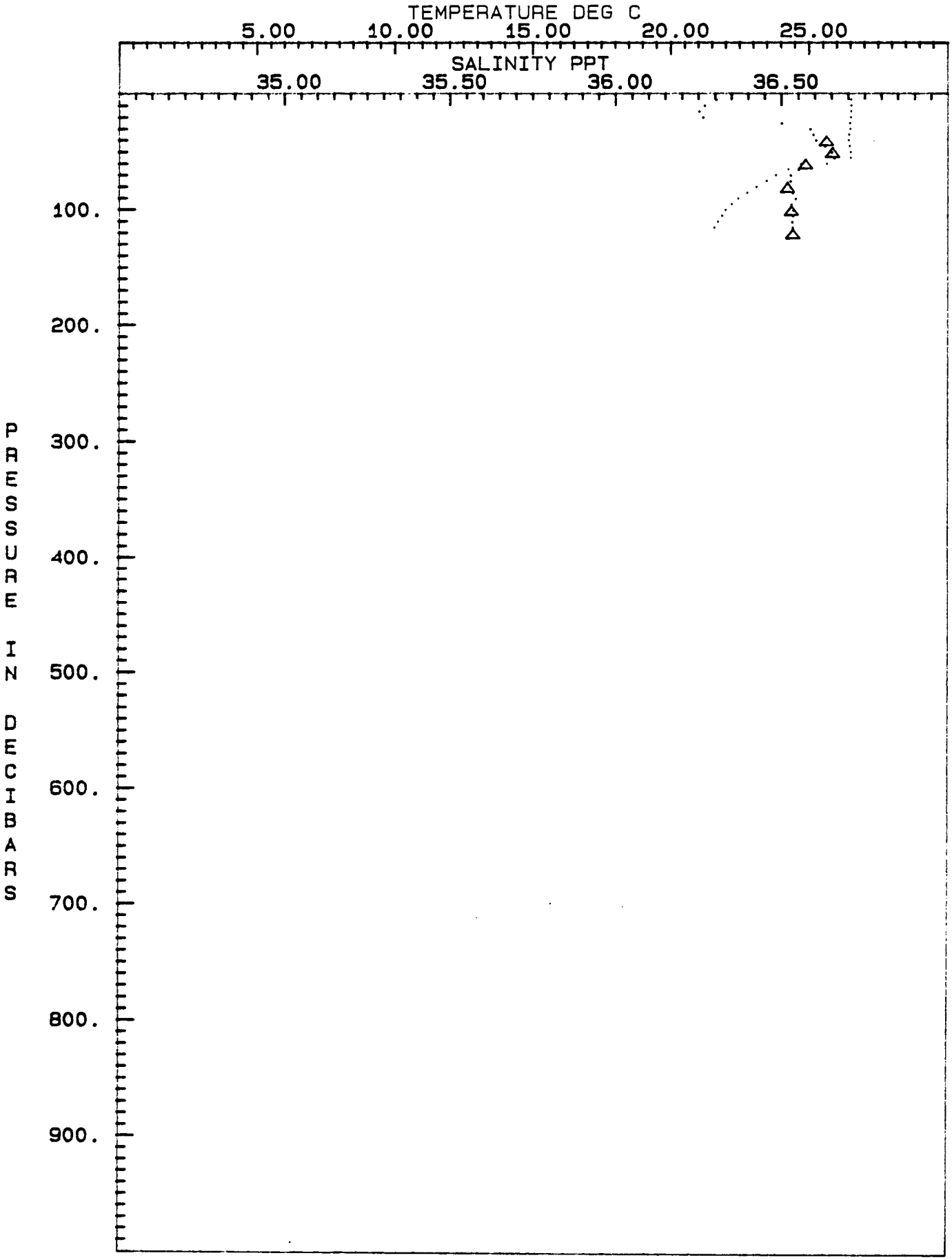


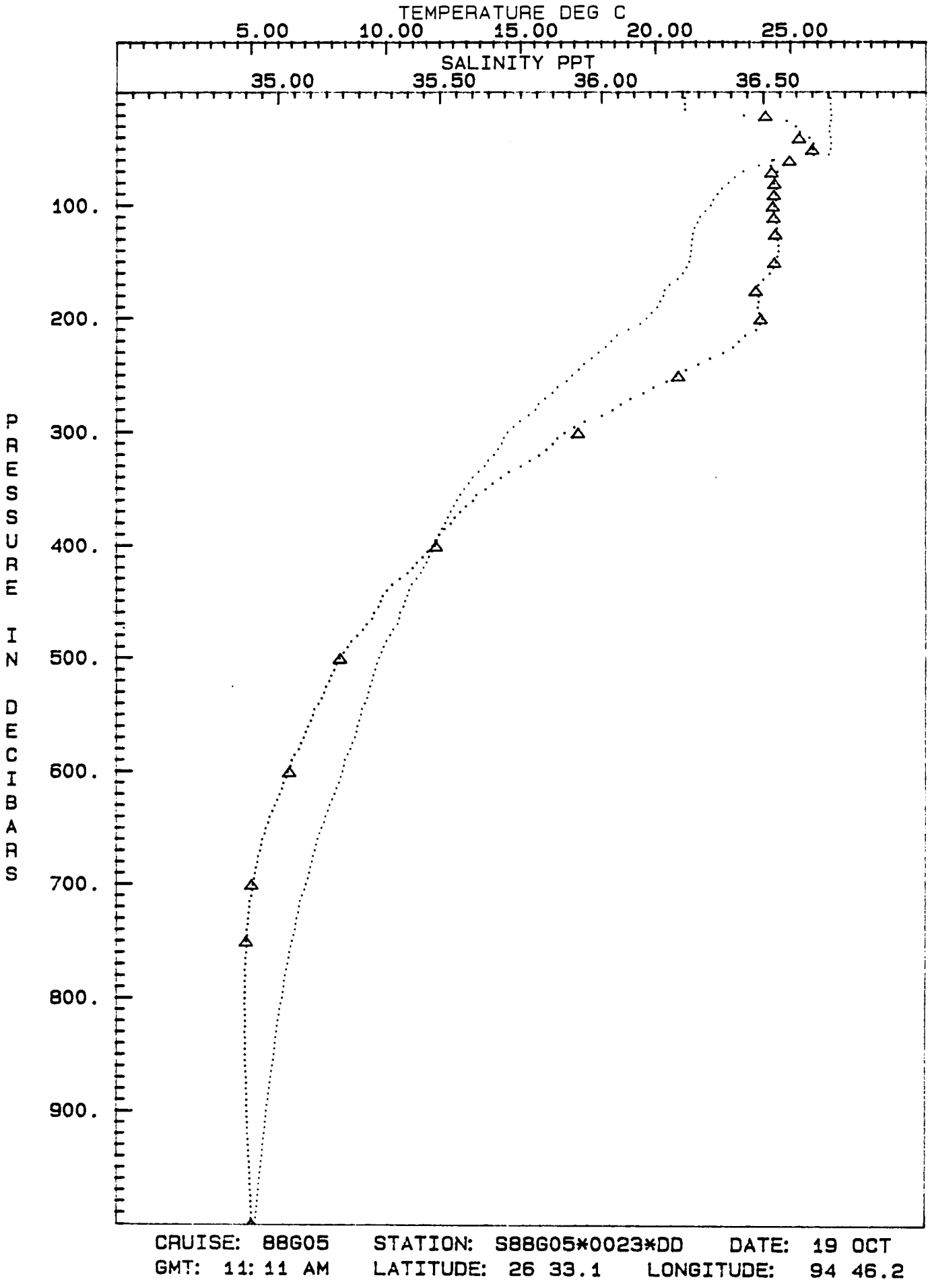
CRUISE: 88G05 STATION: S88G05*0022*DD DATE: 19 OCT
GMT: 7:03 AM LATITUDE: 26 35.4 LONGITUDE: 94 46.0

STATION S88G05*0023*DD CRUISE 88G05 DATE 19 OCT GMT 11:11 AM LAT 26 33.1 LON 94 46.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.484	36.247	23.825	8.90	255.0	16.706	36.192	26.500	8.98	505.0	9.680	35.173	27.142	8.96
10.0	26.478	36.247	23.826	8.90	260.0	16.367	36.151	26.543	8.98	510.0	9.613	35.165	27.147	8.96
15.0	26.481	36.248	23.825	8.90	265.0	16.179	36.120	26.569	8.98	515.0	9.547	35.157	27.152	8.96
20.0	26.506	36.430	23.956	8.90	270.0	15.902	36.079	26.602	8.98	520.0	9.502	35.151	27.154	8.96
25.0	26.495	36.563	24.059	8.92	275.0	15.659	36.050	26.635	8.98	525.0	9.426	35.140	27.159	8.96
30.0	26.455	36.591	24.093	8.92	280.0	15.545	36.025	26.641	8.98	530.0	9.362	35.134	27.165	8.96
35.0	26.437	36.603	24.108	8.92	285.0	15.292	35.992	26.673	8.98	535.0	9.319	35.127	27.166	8.96
40.0	26.479	36.632	24.117	8.92	290.0	14.971	35.938	26.703	8.98	540.0	9.229	35.118	27.174	8.96
45.0	26.497	36.644	24.119	8.92	295.0	14.732	35.907	26.731	8.97	545.0	9.122	35.104	27.181	8.96
50.0	26.484	36.643	24.123	8.92	300.0	14.507	35.877	26.757	8.97	550.0	9.087	35.100	27.183	8.96
55.0	26.415	36.645	24.146	8.91	305.0	14.375	35.854	26.768	8.97	555.0	9.023	35.093	27.188	8.97
60.0	24.381	36.517	24.677	8.90	310.0	14.294	35.840	26.774	8.97	560.0	8.962	35.085	27.191	8.96
65.0	23.820	36.513	24.842	8.90	315.0	14.158	35.820	26.788	8.97	565.0	8.919	35.078	27.193	8.96
70.0	23.250	36.534	25.026	8.91	320.0	14.006	35.798	26.803	8.97	570.0	8.859	35.072	27.198	8.97
75.0	22.931	36.524	25.112	8.91	325.0	13.787	35.769	26.827	8.97	575.0	8.774	35.063	27.204	8.97
80.0	22.703	36.523	25.177	8.91	330.0	13.661	35.741	26.832	8.97	580.0	8.697	35.057	27.211	8.97
85.0	22.459	36.530	25.252	8.91	335.0	13.435	35.704	26.851	8.97	585.0	8.599	35.043	27.216	8.97
90.0	22.297	36.529	25.297	8.92	340.0	13.225	35.679	26.875	8.97	590.0	8.488	35.035	27.227	8.96
95.0	22.137	36.529	25.343	8.92	345.0	13.068	35.654	26.887	8.97	595.0	8.457	35.031	27.229	8.96
100.0	22.041	36.524	25.366	8.92	350.0	12.908	35.632	26.902	8.97	600.0	8.404	35.022	27.230	8.96
105.0	21.843	36.523	25.421	8.93	355.0	12.763	35.604	26.909	8.97	605.0	8.334	35.018	27.238	8.97
110.0	21.651	36.528	25.479	8.94	360.0	12.639	35.593	26.926	8.97	610.0	8.278	35.009	27.239	8.97
115.0	21.555	36.531	25.508	8.94	365.0	12.528	35.573	26.932	8.97	615.0	8.188	35.005	27.250	8.97
120.0	21.443	36.533	25.541	8.95	370.0	12.405	35.554	26.942	8.97	620.0	8.112	34.998	27.255	8.96
125.0	21.382	36.533	25.558	8.95	375.0	12.302	35.538	26.949	8.97	625.0	8.021	34.990	27.263	8.96
130.0	21.351	36.534	25.567	8.96	380.0	12.204	35.525	26.958	8.97	630.0	7.937	34.982	27.270	8.96
135.0	21.334	36.537	25.574	8.96	385.0	12.090	35.506	26.966	8.97	635.0	7.869	34.976	27.275	8.96
140.0	21.320	36.537	25.578	8.96	390.0	11.965	35.490	26.977	8.97	640.0	7.777	34.966	27.281	8.97
145.0	21.286	36.534	25.585	8.97	395.0	11.896	35.478	26.981	8.97	645.0	7.731	34.963	27.285	8.97
150.0	21.240	36.529	25.594	8.97	400.0	11.830	35.468	26.986	8.97	650.0	7.633	34.955	27.293	8.97
155.0	21.148	36.521	25.614	8.97	405.0	11.716	35.453	26.996	8.97	655.0	7.563	34.952	27.301	8.97
160.0	21.008	36.510	25.643	8.97	410.0	11.604	35.438	27.005	8.97	660.0	7.487	34.943	27.305	8.97
165.0	20.813	36.490	25.681	8.97	415.0	11.515	35.420	27.008	8.97	665.0	7.437	34.941	27.311	8.97
170.0	20.515	36.475	25.750	8.97	420.0	11.410	35.408	27.018	8.97	670.0	7.385	34.937	27.315	8.97
175.0	20.331	36.476	25.801	8.97	425.0	11.304	35.392	27.026	8.97	675.0	7.316	34.931	27.320	8.97
180.0	20.281	36.475	25.813	8.97	430.0	11.142	35.368	27.037	8.97	680.0	7.286	34.928	27.322	8.97
185.0	20.170	36.476	25.844	8.97	435.0	10.965	35.344	27.051	8.97	685.0	7.222	34.925	27.329	8.97
190.0	20.059	36.473	25.872	8.98	440.0	10.870	35.328	27.055	8.97	690.0	7.176	34.922	27.333	8.97
195.0	19.850	36.477	25.930	8.97	445.0	10.803	35.315	27.057	8.97	695.0	7.127	34.919	27.337	8.97
200.0	19.662	36.487	25.988	8.98	450.0	10.721	35.309	27.067	8.97	700.0	7.053	34.914	27.344	8.98
205.0	19.425	36.479	26.043	8.98	455.0	10.662	35.302	27.073	8.97	705.0	7.002	34.913	27.351	8.97
210.0	18.995	36.468	26.146	8.98	460.0	10.540	35.288	27.083	8.97	710.0	6.915	34.910	27.360	8.97
215.0	18.563	36.434	26.230	8.98	465.0	10.507	35.283	27.085	8.97	715.0	6.838	34.905	27.366	8.97
220.0	18.357	36.415	26.268	8.98	470.0	10.447	35.266	27.082	8.96	720.0	6.798	34.904	27.371	8.97
225.0	18.150	36.397	26.306	8.98	475.0	10.286	35.254	27.102	8.96	725.0	6.774	34.902	27.373	8.98
230.0	17.886	36.366	26.348	8.98	480.0	10.167	35.237	27.109	8.96	730.0	6.710	34.900	27.380	8.98
235.0	17.630	36.326	26.380	8.98	485.0	10.030	35.218	27.117	8.96	735.0	6.672	34.899	27.385	8.98
240.0	17.347	36.289	26.421	8.98	490.0	9.928	35.208	27.127	8.96	740.0	6.649	34.896	27.385	8.98
245.0	17.147	36.251	26.441	8.98	495.0	9.846	35.194	27.131	8.96	745.0	6.594	34.897	27.394	8.98
250.0	16.903	36.221	26.476	8.98	500.0	9.755	35.182	27.136	8.96	750.0	6.542	34.895	27.399	8.98

STATION S88G05*0023*DD CRUISE 88G05 DATE 19 OCT GMT 11:11 AM LAT 26 33.1 LON 94 46.2 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.488	34.895	27.406	8.98	1005.0	5.131	34.914	27.592	8.99	1255.0	4.472	34.945	27.692	9.00
760.0	6.439	34.894	27.411	8.98	1010.0	5.127	34.914	27.592	8.99	1260.0	4.463	34.946	27.693	9.00
765.0	6.409	34.892	27.414	8.98	1015.0	5.117	34.913	27.593	8.99	1265.0	4.455	34.946	27.695	9.00
770.0	6.371	34.892	27.419	8.98	1020.0	5.101	34.915	27.596	8.99	1270.0	4.448	34.947	27.696	9.00
775.0	6.323	34.889	27.423	8.98	1025.0	5.087	34.915	27.598	8.99	1275.0	4.442	34.947	27.697	9.00
780.0	6.276	34.891	27.431	8.98	1030.0	5.066	34.916	27.601	8.99	1280.0	4.433	34.948	27.698	9.00
785.0	6.248	34.890	27.434	8.98	1035.0	5.049	34.917	27.604	8.99	1285.0	4.428	34.947	27.698	9.00
790.0	6.229	34.890	27.437	8.98	1040.0	5.028	34.918	27.607	8.99	1290.0	4.418	34.948	27.700	9.00
795.0	6.203	34.889	27.439	8.98	1045.0	5.016	34.918	27.609	8.99	1295.0	4.413	34.948	27.701	9.00
800.0	6.170	34.890	27.444	8.98	1050.0	4.995	34.919	27.612	8.99	1300.0	4.405	34.949	27.702	9.00
805.0	6.116	34.888	27.450	8.98	1055.0	4.962	34.920	27.617	8.99	1305.0	4.398	34.949	27.703	9.00
810.0	6.071	34.889	27.456	8.98	1060.0	4.943	34.922	27.620	8.99	1310.0	4.395	34.949	27.704	9.00
815.0	6.047	34.890	27.460	8.98	1065.0	4.923	34.923	27.623	8.99	1315.0	4.385	34.950	27.706	9.00
820.0	6.009	34.890	27.465	8.98	1070.0	4.909	34.923	27.625	8.99	1320.0	4.374	34.951	27.707	9.00
825.0	5.976	34.890	27.469	8.98	1075.0	4.888	34.924	27.629	8.99	1325.0	4.372	34.950	27.707	9.00
830.0	5.955	34.889	27.470	8.98	1080.0	4.866	34.926	27.632	8.99	1330.0	4.361	34.951	27.709	9.00
835.0	5.927	34.890	27.475	8.98	1085.0	4.853	34.926	27.634	8.99	1335.0	4.360	34.951	27.709	9.00
840.0	5.903	34.891	27.479	8.98	1090.0	4.842	34.926	27.635	8.99	1340.0	4.360	34.951	27.709	9.00
845.0	5.889	34.890	27.480	8.98	1095.0	4.829	34.927	27.637	8.99	1345.0	4.354	34.951	27.709	9.00
850.0	5.867	34.890	27.483	8.98	1100.0	4.820	34.927	27.638	9.00	1350.0	4.342	34.952	27.712	9.00
855.0	5.841	34.890	27.487	8.98	1105.0	4.808	34.928	27.641	9.00	1355.0	4.338	34.952	27.712	9.00
860.0	5.805	34.891	27.491	8.98	1110.0	4.792	34.929	27.643	9.00	1360.0	4.334	34.953	27.713	9.01
865.0	5.771	34.892	27.497	8.98	1115.0	4.775	34.930	27.646	8.99	1365.0	4.331	34.952	27.713	9.01
870.0	5.736	34.894	27.502	8.98	1120.0	4.768	34.930	27.647	8.99	1370.0	4.330	34.953	27.714	9.01
875.0	5.713	34.894	27.506	8.98	1125.0	4.759	34.930	27.648	8.99	1375.0	4.324	34.953	27.715	9.00
880.0	5.692	34.893	27.507	8.98	1130.0	4.753	34.930	27.649	9.00	1380.0	4.316	34.954	27.716	9.01
885.0	5.660	34.895	27.513	8.98	1135.0	4.752	34.931	27.649	9.00	1385.0	4.308	34.954	27.717	9.01
890.0	5.635	34.895	27.516	8.98	1140.0	4.740	34.931	27.651	9.00	1390.0	4.304	34.954	27.718	9.01
895.0	5.604	34.895	27.520	8.98	1145.0	4.728	34.932	27.653	9.00	1395.0	4.297	34.954	27.719	9.01
900.0	5.575	34.896	27.524	8.98	1150.0	4.706	34.933	27.656	9.00	1400.0	4.291	34.955	27.720	9.01
905.0	5.559	34.896	27.526	8.98	1155.0	4.691	34.934	27.659	9.00	1405.0	4.287	34.955	27.720	9.01
910.0	5.538	34.898	27.530	8.98	1160.0	4.672	34.935	27.661	9.00	1410.0	4.283	34.955	27.721	9.01
915.0	5.530	34.897	27.531	8.98	1165.0	4.649	34.937	27.665	9.00	1415.0	4.280	34.956	27.721	9.01
920.0	5.500	34.897	27.535	8.98	1170.0	4.629	34.938	27.668	9.00	1420.0	4.277	34.956	27.722	9.01
925.0	5.474	34.899	27.539	8.98	1175.0	4.621	34.937	27.669	9.00	1425.0	4.276	34.956	27.722	9.01
930.0	5.444	34.900	27.543	8.98	1180.0	4.612	34.938	27.671	9.00	1430.0	4.273	34.956	27.722	9.01
935.0	5.433	34.900	27.545	8.98	1185.0	4.609	34.938	27.671	9.00	1435.0	4.271	34.956	27.723	9.01
940.0	5.415	34.901	27.547	8.98	1190.0	4.585	34.939	27.675	9.00	1440.0	4.271	34.956	27.722	9.01
945.0	5.389	34.904	27.553	8.99	1195.0	4.576	34.940	27.676	9.00	1445.0	4.270	34.956	27.723	9.01
950.0	5.367	34.903	27.555	8.98	1200.0	4.568	34.940	27.677	9.00	1450.0	4.268	34.956	27.723	9.01
955.0	5.342	34.905	27.560	8.98	1205.0	4.559	34.941	27.679	9.00	1455.0	4.267	34.956	27.723	9.01
960.0	5.316	34.905	27.563	8.98	1210.0	4.545	34.942	27.681	9.00	1460.0	4.265	34.956	27.724	9.01
965.0	5.299	34.906	27.566	8.99	1215.0	4.535	34.942	27.682	9.00	1465.0	4.263	34.957	27.724	9.00
970.0	5.284	34.907	27.568	8.99	1220.0	4.523	34.942	27.684	9.00	1470.0	4.261	34.957	27.724	9.00
975.0	5.264	34.908	27.572	8.99	1225.0	4.510	34.943	27.686	9.00	1475.0	4.261	34.957	27.724	9.00
980.0	5.251	34.909	27.573	8.99	1230.0	4.502	34.943	27.687	9.00	1480.0	4.261	34.957	27.724	9.00
985.0	5.233	34.909	27.576	8.99	1235.0	4.494	34.944	27.688	9.00	1485.0	4.260	34.957	27.724	9.00
990.0	5.213	34.910	27.579	8.99	1240.0	4.486	34.944	27.690	9.00	1490.0	4.260	34.957	27.724	9.00
995.0	5.191	34.910	27.582	8.99	1245.0	4.481	34.945	27.691	9.00	1495.0	4.260	34.957	27.724	9.00
1000.0	5.157	34.913	27.588	8.99	1250.0	4.477	34.945	27.691	9.00					



CRUISE: 88G05 STATION: S88G05*0023*DD DATE: 19 OCT
GMT: 11:11 AM LATITUDE: 26 33.1 LONGITUDE: 94 46.2

STATION S88G05*0024*DD CRUISE 88G05 DATE 19 OCT GMT 3:16 PM LAT 26 31.7 LON 94 47.1 DEPTH OFFSET 0.0

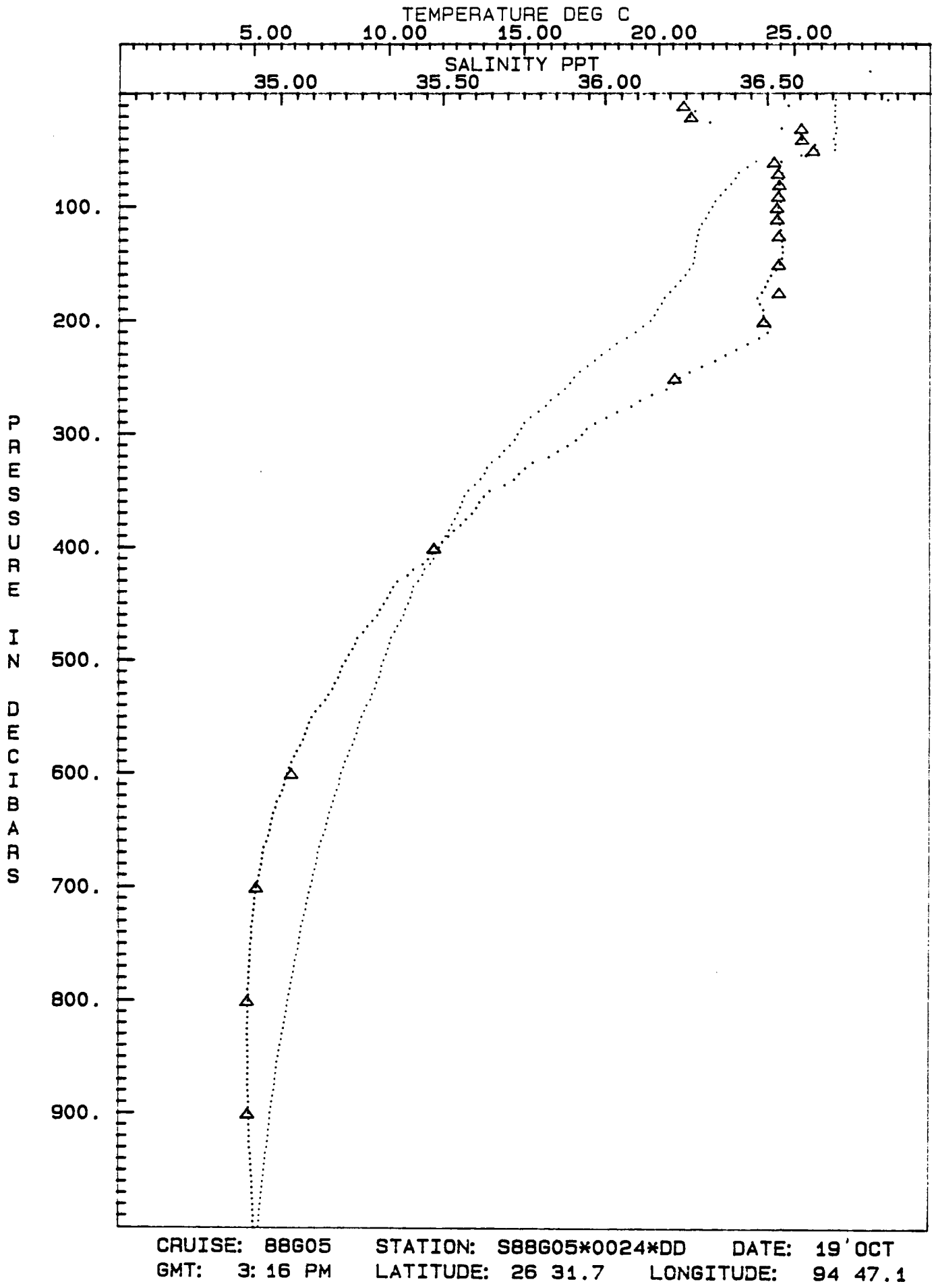
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.513	36.861	24.278	8.89	255.0	16.704	36.202	26.509	8.97	505.0	9.740	35.181	27.138	8.95
10.0	26.493	36.554	24.053	8.88	260.0	16.518	36.179	26.536	8.97	510.0	9.705	35.175	27.140	8.94
15.0	26.489	36.268	23.838	8.88	265.0	16.267	36.135	26.560	8.97	515.0	9.651	35.170	27.144	8.95
20.0	26.487	36.251	23.826	8.88	270.0	15.990	36.098	26.596	8.97	520.0	9.558	35.159	27.152	8.95
25.0	26.480	36.313	23.875	8.88	275.0	15.803	36.072	26.619	8.97	525.0	9.501	35.152	27.156	8.95
30.0	26.545	36.534	24.021	8.90	280.0	15.536	36.029	26.646	8.97	530.0	9.394	35.140	27.164	8.95
35.0	26.513	36.592	24.075	8.91	285.0	15.240	35.995	26.687	8.97	535.0	9.333	35.130	27.167	8.95
40.0	26.437	36.595	24.101	8.91	290.0	15.010	35.961	26.711	8.97	540.0	9.197	35.115	27.177	8.95
45.0	26.495	36.636	24.114	8.91	295.0	14.895	35.934	26.717	8.96	545.0	9.108	35.100	27.179	8.95
50.0	26.484	36.643	24.123	8.90	300.0	14.764	35.919	26.734	8.96	550.0	9.008	35.088	27.186	8.95
55.0	25.226	36.607	24.489	8.89	305.0	14.659	35.901	26.743	8.96	555.0	8.934	35.081	27.192	8.96
60.0	23.563	36.532	24.933	8.89	310.0	14.472	35.875	26.763	8.96	560.0	8.873	35.075	27.197	8.96
65.0	23.252	36.527	25.020	8.89	315.0	14.261	35.845	26.786	8.96	565.0	8.830	35.068	27.200	8.96
70.0	22.929	36.535	25.120	8.90	320.0	14.086	35.817	26.802	8.96	570.0	8.756	35.063	27.207	8.96
75.0	22.814	36.536	25.155	8.90	325.0	13.805	35.768	26.823	8.96	575.0	8.679	35.053	27.211	8.95
80.0	22.644	36.526	25.196	8.90	330.0	13.627	35.744	26.841	8.96	580.0	8.570	35.043	27.220	8.95
85.0	22.444	36.527	25.254	8.90	335.0	13.544	35.726	26.844	8.96	585.0	8.502	35.035	27.225	8.95
90.0	22.260	36.531	25.309	8.90	340.0	13.398	35.710	26.863	8.96	590.0	8.405	35.026	27.233	8.95
95.0	22.068	36.530	25.364	8.90	345.0	13.183	35.681	26.884	8.96	595.0	8.340	35.019	27.238	8.96
100.0	21.957	36.524	25.390	8.91	350.0	12.943	35.635	26.897	8.96	600.0	8.257	35.013	27.246	8.96
105.0	21.826	36.528	25.430	8.92	355.0	12.796	35.617	26.913	8.96	605.0	8.203	35.007	27.249	8.96
110.0	21.717	36.525	25.458	8.92	360.0	12.719	35.604	26.918	8.96	610.0	8.182	35.004	27.250	8.96
115.0	21.576	36.528	25.500	8.93	365.0	12.641	35.593	26.926	8.97	615.0	8.101	34.998	27.258	8.96
120.0	21.472	36.531	25.531	8.94	370.0	12.550	35.580	26.934	8.96	620.0	8.023	34.991	27.264	8.95
125.0	21.420	36.533	25.547	8.94	375.0	12.442	35.562	26.941	8.96	625.0	7.969	34.981	27.264	8.95
130.0	21.386	36.535	25.558	8.94	380.0	12.333	35.546	26.949	8.96	630.0	7.900	34.978	27.271	8.95
135.0	21.348	36.537	25.570	8.95	385.0	12.229	35.526	26.954	8.96	635.0	7.825	34.970	27.277	8.96
140.0	21.321	36.538	25.578	8.95	390.0	12.102	35.508	26.965	8.96	640.0	7.782	34.966	27.281	8.95
145.0	21.295	36.535	25.583	8.95	395.0	11.979	35.489	26.974	8.96	645.0	7.723	34.962	27.286	8.95
150.0	21.245	36.529	25.593	8.96	400.0	11.862	35.472	26.983	8.96	650.0	7.686	34.960	27.290	8.95
155.0	21.117	36.517	25.619	8.96	405.0	11.733	35.458	26.997	8.96	655.0	7.600	34.955	27.298	8.95
160.0	20.965	36.501	25.648	8.96	410.0	11.668	35.446	26.999	8.96	660.0	7.524	34.949	27.304	8.96
165.0	20.780	36.492	25.691	8.96	415.0	11.541	35.429	27.010	8.96	665.0	7.461	34.940	27.307	8.96
170.0	20.598	36.484	25.735	8.97	420.0	11.326	35.400	27.028	8.96	670.0	7.401	34.938	27.313	8.97
175.0	20.398	36.474	25.781	8.96	425.0	11.252	35.383	27.028	8.96	675.0	7.375	34.935	27.315	8.97
180.0	20.193	36.459	25.825	8.95	430.0	11.091	35.351	27.033	8.96	680.0	7.343	34.933	27.318	8.97
185.0	20.089	36.468	25.860	8.96	435.0	10.915	35.338	27.055	8.96	685.0	7.290	34.929	27.322	8.97
190.0	19.941	36.479	25.907	8.97	440.0	10.862	35.329	27.057	8.96	690.0	7.231	34.926	27.328	8.97
195.0	19.830	36.479	25.937	8.96	445.0	10.809	35.321	27.060	8.96	695.0	7.193	34.922	27.331	8.97
200.0	19.676	36.486	25.983	8.97	450.0	10.720	35.309	27.067	8.96	700.0	7.132	34.918	27.335	8.97
205.0	19.403	36.499	26.064	8.97	455.0	10.620	35.298	27.076	8.95	705.0	7.074	34.915	27.342	8.97
210.0	19.127	36.492	26.130	8.97	460.0	10.558	35.289	27.081	8.95	710.0	7.035	34.912	27.345	8.97
215.0	18.804	36.465	26.193	8.97	465.0	10.455	35.274	27.088	8.95	715.0	6.984	34.911	27.351	8.97
220.0	18.429	36.430	26.261	8.97	470.0	10.331	35.259	27.097	8.95	720.0	6.948	34.909	27.355	8.97
225.0	18.164	36.395	26.301	8.97	475.0	10.226	35.247	27.106	8.95	725.0	6.885	34.907	27.362	8.97
230.0	17.867	36.362	26.350	8.97	480.0	10.092	35.228	27.115	8.95	730.0	6.850	34.905	27.365	8.97
235.0	17.619	36.330	26.387	8.97	485.0	10.035	35.222	27.120	8.95	735.0	6.784	34.902	27.372	8.97
240.0	17.353	36.288	26.419	8.97	490.0	9.975	35.213	27.124	8.95	740.0	6.757	34.902	27.376	8.97
245.0	17.068	36.251	26.460	8.97	495.0	9.907	35.202	27.126	8.95	745.0	6.727	34.902	27.379	8.97
250.0	16.849	36.221	26.489	8.97	500.0	9.815	35.193	27.135	8.95	750.0	6.692	34.899	27.382	8.97

STATION S88G05*0024*DD CRUISE 88G05 DATE 19 OCT GMT 3:16 PM LAT 26 31.7 LON 94 47.1 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.665	34.898	27.385	8.97	1005.0	5.193	34.911	27.582	8.98	1255.0	4.461	34.946	27.694	8.99
760.0	6.606	34.898	27.393	8.97	1010.0	5.172	34.911	27.585	8.98	1260.0	4.452	34.947	27.695	8.99
765.0	6.561	34.897	27.398	8.97	1015.0	5.154	34.912	27.588	8.98	1265.0	4.444	34.947	27.696	8.99
770.0	6.525	34.896	27.402	8.97	1020.0	5.135	34.913	27.590	8.99	1270.0	4.441	34.947	27.697	8.99
775.0	6.495	34.895	27.405	8.97	1025.0	5.116	34.914	27.593	8.99	1275.0	4.439	34.947	27.697	8.99
780.0	6.449	34.894	27.410	8.97	1030.0	5.099	34.915	27.596	8.99	1280.0	4.430	34.948	27.699	8.99
785.0	6.404	34.894	27.416	8.98	1035.0	5.063	34.916	27.602	8.99	1285.0	4.422	34.948	27.700	8.99
790.0	6.375	34.891	27.418	8.97	1040.0	5.038	34.917	27.606	8.99	1290.0	4.415	34.948	27.701	9.00
795.0	6.330	34.893	27.426	8.97	1045.0	5.017	34.919	27.609	8.99	1295.0	4.406	34.949	27.702	9.00
800.0	6.286	34.893	27.431	8.97	1050.0	4.993	34.920	27.613	8.99	1300.0	4.391	34.950	27.705	9.00
805.0	6.263	34.890	27.432	8.97	1055.0	4.973	34.920	27.615	8.99	1305.0	4.386	34.950	27.705	9.00
810.0	6.231	34.891	27.437	8.97	1060.0	4.955	34.922	27.619	8.99	1310.0	4.381	34.950	27.706	9.00
815.0	6.195	34.891	27.442	8.97	1065.0	4.944	34.922	27.620	8.99	1315.0	4.375	34.951	27.707	9.00
820.0	6.157	34.891	27.446	8.97	1070.0	4.918	34.924	27.625	8.99	1320.0	4.370	34.951	27.708	9.00
825.0	6.131	34.890	27.449	8.97	1075.0	4.906	34.923	27.626	8.99	1325.0	4.358	34.952	27.710	9.00
830.0	6.081	34.890	27.456	8.97	1080.0	4.894	34.924	27.627	8.99	1330.0	4.354	34.952	27.710	9.00
835.0	6.054	34.890	27.459	8.98	1085.0	4.867	34.926	27.632	8.99	1335.0	4.349	34.952	27.711	9.00
840.0	6.007	34.891	27.466	8.98	1090.0	4.852	34.926	27.634	8.99	1340.0	4.346	34.952	27.711	9.00
845.0	5.967	34.891	27.471	8.98	1095.0	4.838	34.927	27.636	8.99	1345.0	4.342	34.952	27.712	9.00
850.0	5.931	34.892	27.476	8.98	1100.0	4.835	34.926	27.636	8.99	1350.0	4.337	34.953	27.713	9.00
855.0	5.896	34.892	27.481	8.98	1105.0	4.825	34.927	27.638	8.99	1355.0	4.333	34.953	27.713	9.00
860.0	5.872	34.892	27.484	8.98	1110.0	4.819	34.927	27.639	8.99	1360.0	4.328	34.953	27.714	9.00
865.0	5.850	34.892	27.487	8.98	1115.0	4.815	34.927	27.639	8.99	1365.0	4.321	34.953	27.715	9.00
870.0	5.825	34.892	27.490	8.98	1120.0	4.802	34.928	27.642	8.99	1370.0	4.317	34.954	27.716	9.00
875.0	5.810	34.892	27.492	8.98	1125.0	4.775	34.931	27.646	8.99	1375.0	4.314	34.954	27.716	9.00
880.0	5.779	34.892	27.496	8.98	1130.0	4.747	34.932	27.651	8.99	1380.0	4.309	34.954	27.717	9.00
885.0	5.739	34.894	27.502	8.98	1135.0	4.735	34.932	27.652	8.99	1385.0	4.305	34.954	27.718	9.00
890.0	5.704	34.895	27.507	8.98	1140.0	4.724	34.933	27.654	8.99	1390.0	4.302	34.954	27.718	9.00
895.0	5.677	34.894	27.510	8.98	1145.0	4.704	34.934	27.657	8.99	1395.0	4.299	34.955	27.719	9.00
900.0	5.642	34.895	27.515	8.98	1150.0	4.688	34.935	27.659	8.99	1400.0	4.298	34.955	27.719	9.00
905.0	5.631	34.896	27.517	8.98	1155.0	4.666	34.936	27.663	8.99	1405.0	4.296	34.955	27.719	9.00
910.0	5.612	34.896	27.520	8.98	1160.0	4.655	34.936	27.664	8.99	1410.0	4.294	34.955	27.719	9.00
915.0	5.584	34.897	27.524	8.98	1165.0	4.645	34.936	27.666	8.99	1415.0	4.292	34.955	27.719	9.00
920.0	5.572	34.897	27.525	8.98	1170.0	4.639	34.936	27.666	8.99	1420.0	4.291	34.955	27.720	9.00
925.0	5.552	34.897	27.528	8.98	1175.0	4.628	34.937	27.668	8.99	1425.0	4.290	34.955	27.720	9.00
930.0	5.523	34.897	27.531	8.98	1180.0	4.617	34.938	27.670	8.99	1430.0	4.284	34.956	27.721	9.00
935.0	5.474	34.901	27.540	8.98	1185.0	4.611	34.938	27.671	8.99	1435.0	4.281	34.956	27.721	9.00
940.0	5.455	34.901	27.542	8.98	1190.0	4.597	34.939	27.673	8.99	1440.0	4.279	34.956	27.722	9.00
945.0	5.434	34.902	27.546	8.98	1195.0	4.588	34.939	27.674	8.99	1445.0	4.276	34.956	27.722	9.00
950.0	5.409	34.902	27.550	8.98	1200.0	4.579	34.940	27.676	8.99	1450.0	4.274	34.956	27.722	9.00
955.0	5.388	34.904	27.554	8.98	1205.0	4.565	34.940	27.678	8.99	1455.0	4.272	34.956	27.723	9.00
960.0	5.359	34.906	27.558	8.98	1210.0	4.548	34.941	27.680	8.99	1460.0	4.270	34.956	27.723	9.00
965.0	5.340	34.906	27.561	8.98	1215.0	4.530	34.943	27.684	8.99	1465.0	4.265	34.957	27.724	9.00
970.0	5.323	34.906	27.563	8.98	1220.0	4.520	34.943	27.685	8.99	1470.0	4.264	34.957	27.724	9.00
975.0	5.302	34.907	27.566	8.98	1225.0	4.511	34.944	27.686	8.99	1475.0	4.260	34.957	27.725	9.00
980.0	5.275	34.908	27.570	8.98	1230.0	4.502	34.944	27.688	8.99	1480.0	4.257	34.957	27.725	9.00
985.0	5.257	34.908	27.572	8.98	1235.0	4.493	34.945	27.689	8.99	1485.0	4.256	34.957	27.725	9.00
990.0	5.240	34.910	27.575	8.98	1240.0	4.484	34.945	27.691	8.99	1490.0	4.254	34.957	27.726	9.00
995.0	5.232	34.909	27.576	8.98	1245.0	4.473	34.946	27.692	8.99	1495.0	4.250	34.958	27.726	9.00
1000.0	5.216	34.910	27.579	8.98	1250.0	4.467	34.946	27.693	8.99	1500.0	4.248	34.958	27.726	9.00

STATION S88G05*0024*DD CRUISE 88G05 DATE 19 OCT GMT 3:16 PM LAT 26 31.7 LON 94 47.1 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1505.0	4.246	34.958	27.727	9.00										
1510.0	4.244	34.958	27.727	9.00										
1515.0	4.243	34.958	27.727	9.00										
1520.0	4.243	34.958	27.727	9.00										
1525.0	4.244	34.958	27.727	9.00										
1530.0	4.244	34.958	27.727	9.00										
1535.0	4.243	34.958	27.727	9.00										
1540.0	4.243	34.958	27.727	9.00										
1545.0	4.243	34.958	27.727	9.00										
1550.0	4.242	34.958	27.727	9.00										
1555.0	4.241	34.958	27.727	9.00										
1560.0	4.238	34.959	27.728	9.00										
1565.0	4.233	34.959	27.729	9.00										
1570.0	4.231	34.959	27.729	9.00										
1575.0	4.231	34.959	27.729	9.00										
1580.0	4.231	34.959	27.729	9.00										



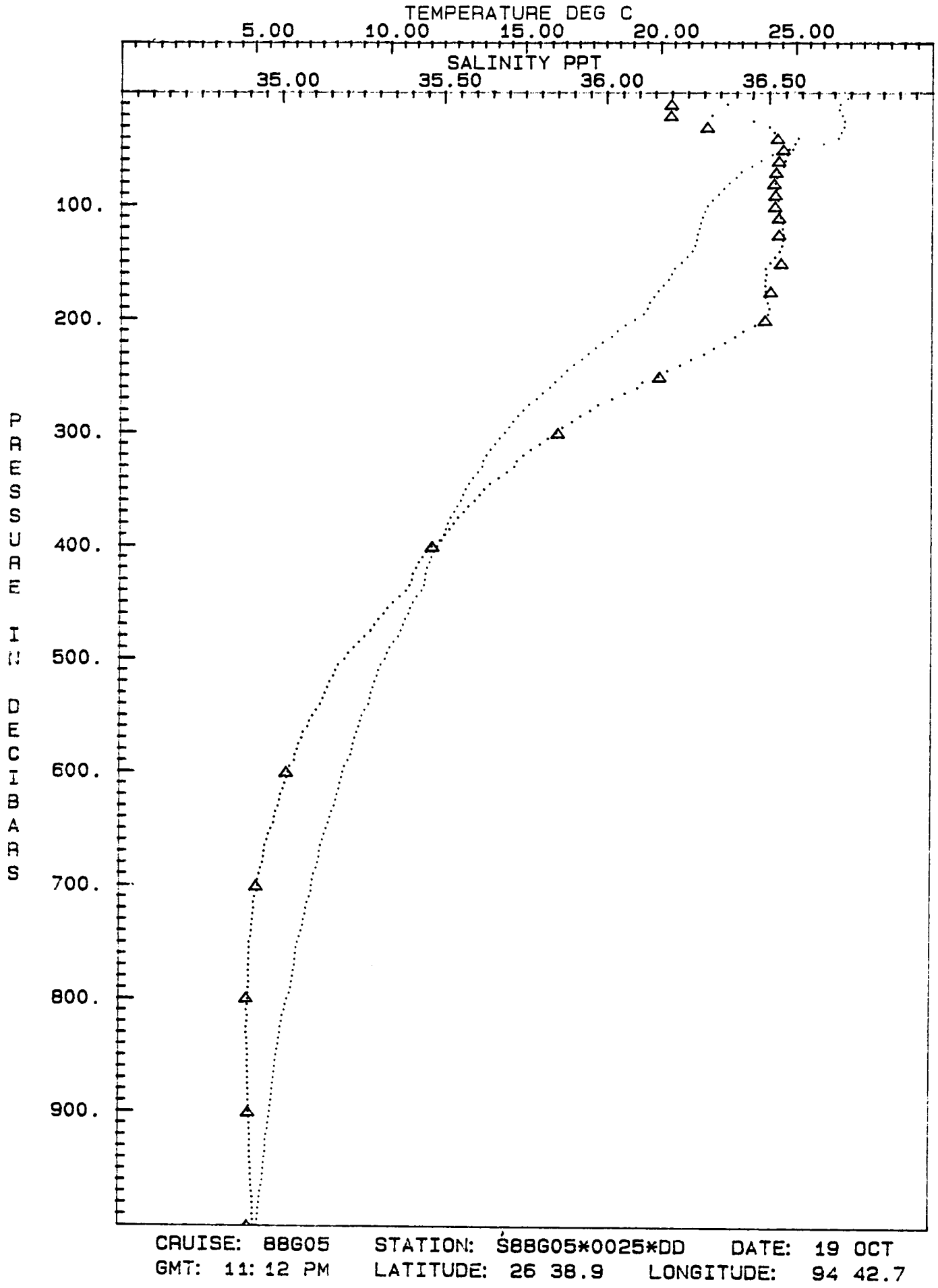
CRUISE: 88G05 STATION: S88G05*0024*DD DATE: 19 OCT
GMT: 3: 16 PM LATITUDE: 26 31.7 LONGITUDE: 94 47.1

STATION S88G05*0025*DD CRUISE 88G05 DATE 19 OCT GMT 11:12 PM LAT 26 38.9 LON 94 42.7 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.877	36.438	23.843	8.87	255.0	16.096	36.101	26.574	8.97	505.0	9.680	35.167	27.137	8.96
10.0	26.589	36.360	23.876	8.86	260.0	15.902	36.085	26.606	8.97	510.0	9.594	35.158	27.145	8.96
15.0	26.562	36.202	23.765	8.86	265.0	15.635	36.046	26.637	8.97	515.0	9.538	35.152	27.149	8.96
20.0	26.675	36.314	23.814	8.86	270.0	15.414	36.008	26.658	8.96	520.0	9.455	35.140	27.154	8.96
25.0	26.759	36.442	23.884	8.88	275.0	15.125	35.965	26.689	8.96	525.0	9.389	35.133	27.160	8.96
30.0	26.745	36.491	23.925	8.88	280.0	14.915	35.940	26.717	8.96	530.0	9.318	35.126	27.166	8.96
35.0	26.632	36.506	23.972	8.89	285.0	14.727	35.910	26.735	8.96	535.0	9.284	35.120	27.167	8.96
40.0	26.531	36.579	24.060	8.89	290.0	14.547	35.884	26.754	8.96	540.0	9.229	35.112	27.169	8.96
45.0	25.969	36.569	24.229	8.87	295.0	14.393	35.855	26.765	8.96	545.0	9.092	35.100	27.182	8.96
50.0	24.715	36.562	24.611	8.87	300.0	14.241	35.835	26.782	8.96	550.0	8.990	35.088	27.189	8.97
55.0	24.092	36.545	24.786	8.88	305.0	14.047	35.810	26.804	8.96	555.0	8.928	35.079	27.192	8.97
60.0	23.681	36.538	24.903	8.89	310.0	13.883	35.786	26.820	8.96	560.0	8.875	35.074	27.197	8.97
65.0	23.344	36.534	24.999	8.89	315.0	13.711	35.758	26.835	8.96	565.0	8.801	35.060	27.198	8.97
70.0	22.962	36.519	25.098	8.90	320.0	13.565	35.734	26.847	8.96	570.0	8.728	35.056	27.206	8.97
75.0	22.775	36.513	25.149	8.90	325.0	13.454	35.715	26.855	8.96	575.0	8.670	35.046	27.208	8.97
80.0	22.520	36.508	25.219	8.90	330.0	13.409	35.708	26.858	8.96	580.0	8.630	35.042	27.210	8.97
85.0	22.313	36.514	25.281	8.90	335.0	13.256	35.684	26.872	8.96	585.0	8.589	35.035	27.211	8.96
90.0	22.123	36.518	25.339	8.90	340.0	13.076	35.659	26.889	8.96	590.0	8.485	35.033	27.226	8.96
95.0	21.895	36.518	25.403	8.91	345.0	12.930	35.632	26.898	8.96	595.0	8.357	35.018	27.234	8.95
100.0	21.711	36.518	25.454	8.92	350.0	12.806	35.615	26.909	8.96	600.0	8.297	35.014	27.240	8.95
105.0	21.612	36.522	25.486	8.93	355.0	12.712	35.601	26.917	8.96	605.0	8.246	35.010	27.245	8.96
110.0	21.524	36.525	25.512	8.94	360.0	12.626	35.586	26.923	8.96	610.0	8.196	35.004	27.248	8.96
115.0	21.462	36.532	25.534	8.94	365.0	12.497	35.567	26.933	8.97	615.0	8.148	34.998	27.251	8.96
120.0	21.407	36.532	25.550	8.95	370.0	12.391	35.552	26.943	8.96	620.0	8.081	34.991	27.255	8.96
125.0	21.348	36.534	25.568	8.95	375.0	12.246	35.536	26.958	8.96	625.0	8.034	34.988	27.259	8.96
130.0	21.308	36.533	25.578	8.96	380.0	12.156	35.521	26.965	8.97	630.0	7.985	34.984	27.264	8.96
135.0	21.258	36.529	25.589	8.96	385.0	12.080	35.508	26.969	8.97	635.0	7.890	34.976	27.271	8.96
140.0	21.156	36.522	25.611	8.97	390.0	12.008	35.495	26.972	8.97	640.0	7.823	34.973	27.279	8.96
145.0	20.968	36.508	25.653	8.97	395.0	11.921	35.479	26.977	8.96	645.0	7.773	34.970	27.284	8.96
150.0	20.760	36.493	25.698	8.97	400.0	11.770	35.454	26.986	8.97	650.0	7.697	34.962	27.289	8.96
155.0	20.500	36.479	25.758	8.97	405.0	11.641	35.432	26.997	8.96	655.0	7.616	34.954	27.295	8.96
160.0	20.392	36.482	25.789	8.97	410.0	11.551	35.426	27.006	8.96	660.0	7.552	34.950	27.301	8.96
165.0	20.286	36.479	25.815	8.97	415.0	11.481	35.414	27.010	8.96	665.0	7.479	34.943	27.306	8.97
170.0	20.089	36.479	25.867	8.97	420.0	11.389	35.406	27.021	8.96	670.0	7.442	34.941	27.310	8.97
175.0	19.904	36.479	25.915	8.97	425.0	11.334	35.396	27.023	8.96	675.0	7.420	34.939	27.311	8.97
180.0	19.741	36.479	25.960	8.97	430.0	11.315	35.393	27.024	8.96	680.0	7.373	34.936	27.316	8.97
185.0	19.580	36.486	26.008	8.97	435.0	11.275	35.386	27.026	8.96	685.0	7.318	34.930	27.319	8.97
190.0	19.498	36.491	26.034	8.97	440.0	11.187	35.375	27.034	8.96	690.0	7.235	34.925	27.327	8.97
195.0	19.357	36.487	26.067	8.97	445.0	11.011	35.355	27.051	8.96	695.0	7.183	34.921	27.332	8.97
200.0	19.034	36.470	26.138	8.97	450.0	10.863	35.334	27.062	8.96	700.0	7.151	34.922	27.336	8.97
205.0	18.695	36.447	26.207	8.97	455.0	10.761	35.318	27.067	8.96	705.0	7.139	34.919	27.335	8.97
210.0	18.397	36.411	26.255	8.97	460.0	10.705	35.307	27.068	8.96	710.0	7.076	34.912	27.339	8.97
215.0	18.184	36.386	26.289	8.97	465.0	10.582	35.291	27.078	8.96	715.0	6.995	34.908	27.347	8.97
220.0	17.850	36.355	26.349	8.97	470.0	10.502	35.278	27.082	8.96	720.0	6.947	34.909	27.355	8.97
225.0	17.598	36.321	26.385	8.97	475.0	10.417	35.267	27.088	8.96	725.0	6.920	34.907	27.357	8.97
230.0	17.332	36.291	26.427	8.97	480.0	10.328	35.247	27.089	8.96	730.0	6.866	34.905	27.363	8.97
235.0	17.080	36.250	26.456	8.97	485.0	10.153	35.231	27.106	8.96	735.0	6.832	34.903	27.366	8.97
240.0	16.792	36.216	26.499	8.97	490.0	10.005	35.215	27.119	8.96	740.0	6.774	34.902	27.373	8.97
245.0	16.541	36.177	26.528	8.97	495.0	9.909	35.198	27.123	8.96	745.0	6.709	34.900	27.380	8.97
250.0	16.331	36.149	26.556	8.97	500.0	9.834	35.187	27.127	8.96	750.0	6.645	34.896	27.386	8.97

STATION S88G05*0025*DD CRUISE 88G05 DATE 19 OCT GMT 11:12 PM LAT 26 38.9 LON 94 42.7 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.592	34.896	27.393	8.97	1005.0	5.141	34.913	27.590	8.99	1255.0	4.453	34.947	27.695	9.00
760.0	6.573	34.894	27.395	8.97	1010.0	5.113	34.915	27.595	8.99	1260.0	4.451	34.947	27.695	9.00
765.0	6.553	34.894	27.397	8.97	1015.0	5.103	34.915	27.596	8.99	1265.0	4.444	34.947	27.697	9.00
770.0	6.538	34.894	27.398	8.97	1020.0	5.084	34.915	27.598	8.99	1270.0	4.442	34.947	27.697	9.00
775.0	6.498	34.893	27.403	8.97	1025.0	5.066	34.916	27.602	8.99	1275.0	4.442	34.947	27.697	9.00
780.0	6.467	34.893	27.407	8.97	1030.0	5.052	34.917	27.604	8.99	1280.0	4.438	34.947	27.697	9.00
785.0	6.432	34.894	27.412	8.97	1035.0	5.039	34.918	27.606	8.99	1285.0	4.430	34.947	27.698	9.00
790.0	6.399	34.893	27.416	8.97	1040.0	5.013	34.919	27.610	8.99	1290.0	4.419	34.948	27.700	9.00
795.0	6.349	34.892	27.423	8.97	1045.0	4.998	34.920	27.612	8.99	1295.0	4.414	34.948	27.701	9.00
800.0	6.255	34.892	27.435	8.98	1050.0	4.981	34.920	27.614	8.99	1300.0	4.404	34.949	27.702	9.00
805.0	6.201	34.891	27.441	8.98	1055.0	4.957	34.921	27.618	8.99	1305.0	4.398	34.949	27.703	9.00
810.0	6.160	34.888	27.444	8.98	1060.0	4.934	34.922	27.621	8.99	1310.0	4.386	34.950	27.706	9.00
815.0	6.086	34.891	27.456	8.98	1065.0	4.921	34.923	27.624	8.99	1315.0	4.377	34.951	27.707	9.00
820.0	6.061	34.889	27.458	8.98	1070.0	4.909	34.924	27.625	8.99	1320.0	4.364	34.952	27.709	9.00
825.0	6.019	34.887	27.461	8.98	1075.0	4.889	34.925	27.629	8.99	1325.0	4.355	34.952	27.710	9.00
830.0	5.996	34.887	27.465	8.98	1080.0	4.865	34.925	27.632	8.99	1330.0	4.351	34.952	27.710	9.00
835.0	5.970	34.889	27.469	8.98	1085.0	4.845	34.927	27.635	8.99	1335.0	4.347	34.952	27.711	9.00
840.0	5.939	34.891	27.474	8.98	1090.0	4.811	34.928	27.640	9.00	1340.0	4.339	34.953	27.713	9.00
845.0	5.905	34.892	27.479	8.98	1095.0	4.775	34.931	27.646	9.00	1345.0	4.338	34.953	27.713	9.00
850.0	5.864	34.893	27.485	8.98	1100.0	4.757	34.931	27.649	9.00	1350.0	4.339	34.952	27.712	9.00
855.0	5.837	34.892	27.489	8.98	1105.0	4.750	34.931	27.650	9.00	1355.0	4.339	34.952	27.712	9.00
860.0	5.819	34.892	27.491	8.98	1110.0	4.747	34.931	27.650	9.00	1360.0	4.339	34.952	27.712	9.00
865.0	5.795	34.893	27.494	8.98	1115.0	4.740	34.932	27.651	9.00	1365.0	4.338	34.953	27.713	9.00
870.0	5.775	34.893	27.497	8.98	1120.0	4.726	34.932	27.653	9.00	1370.0	4.336	34.952	27.713	9.00
875.0	5.753	34.894	27.500	8.98	1125.0	4.709	34.933	27.656	9.00	1375.0	4.330	34.953	27.714	9.00
880.0	5.727	34.894	27.504	8.98	1130.0	4.705	34.933	27.657	9.00	1380.0	4.329	34.953	27.714	9.00
885.0	5.706	34.895	27.507	8.98	1135.0	4.703	34.933	27.656	9.00	1385.0	4.324	34.953	27.715	9.00
890.0	5.687	34.895	27.510	8.98	1140.0	4.701	34.933	27.657	9.00	1390.0	4.316	34.954	27.716	9.00
895.0	5.661	34.896	27.514	8.98	1145.0	4.702	34.933	27.657	9.00	1395.0	4.310	34.954	27.717	9.00
900.0	5.641	34.896	27.516	8.98	1150.0	4.696	34.933	27.657	9.00	1400.0	4.306	34.954	27.718	9.00
905.0	5.613	34.897	27.521	8.98	1155.0	4.682	34.934	27.660	9.00	1405.0	4.300	34.955	27.719	9.00
910.0	5.581	34.898	27.525	8.98	1160.0	4.668	34.935	27.662	9.00	1410.0	4.297	34.955	27.719	9.00
915.0	5.561	34.899	27.528	8.98	1165.0	4.660	34.935	27.663	9.00	1415.0	4.297	34.955	27.719	9.00
920.0	5.515	34.901	27.535	8.98	1170.0	4.635	34.936	27.667	9.00	1420.0	4.298	34.955	27.719	9.00
925.0	5.490	34.901	27.538	8.98	1175.0	4.617	34.937	27.669	9.00	1425.0	4.298	34.955	27.719	9.00
930.0	5.490	34.900	27.538	8.98	1180.0	4.596	34.939	27.673	9.00	1430.0	4.293	34.955	27.719	9.00
935.0	5.478	34.900	27.540	8.98	1185.0	4.583	34.939	27.675	9.00	1435.0	4.291	34.955	27.720	9.00
940.0	5.443	34.901	27.544	8.99	1190.0	4.573	34.940	27.677	9.00	1440.0	4.289	34.955	27.720	9.00
945.0	5.426	34.902	27.547	8.99	1195.0	4.560	34.940	27.679	9.00	1445.0	4.286	34.955	27.720	9.00
950.0	5.410	34.903	27.550	8.99	1200.0	4.551	34.941	27.680	9.00	1450.0	4.285	34.956	27.721	9.00
955.0	5.400	34.903	27.551	8.99	1205.0	4.545	34.941	27.681	9.00	1455.0	4.284	34.956	27.721	9.00
960.0	5.375	34.904	27.555	8.99	1210.0	4.533	34.942	27.683	9.00	1460.0	4.282	34.956	27.721	9.00
965.0	5.338	34.905	27.560	8.98	1215.0	4.525	34.942	27.684	9.00					
970.0	5.302	34.908	27.567	8.98	1220.0	4.513	34.943	27.686	9.00					
975.0	5.273	34.909	27.571	8.98	1225.0	4.505	34.943	27.687	9.00					
980.0	5.253	34.909	27.574	8.98	1230.0	4.502	34.944	27.688	9.00					
985.0	5.235	34.910	27.576	8.98	1235.0	4.495	34.944	27.688	9.00					
990.0	5.222	34.910	27.578	8.98	1240.0	4.480	34.945	27.691	9.00					
995.0	5.195	34.911	27.582	8.99	1245.0	4.467	34.946	27.693	9.01					
1000.0	5.173	34.912	27.585	8.99	1250.0	4.458	34.946	27.694	9.00					



CRUISE: 88G05 STATION: S88G05*0025*DD DATE: 19 OCT
GMT: 11:12 PM LATITUDE: 26 38.9 LONGITUDE: 94 42.7

STATION S88G05*0026*DD CRUISE 88G05 DATE 20 OCT GMT 4:11 AM LAT 26 35.8 LON 94 42.7 DEPTH OFFSET 0.0

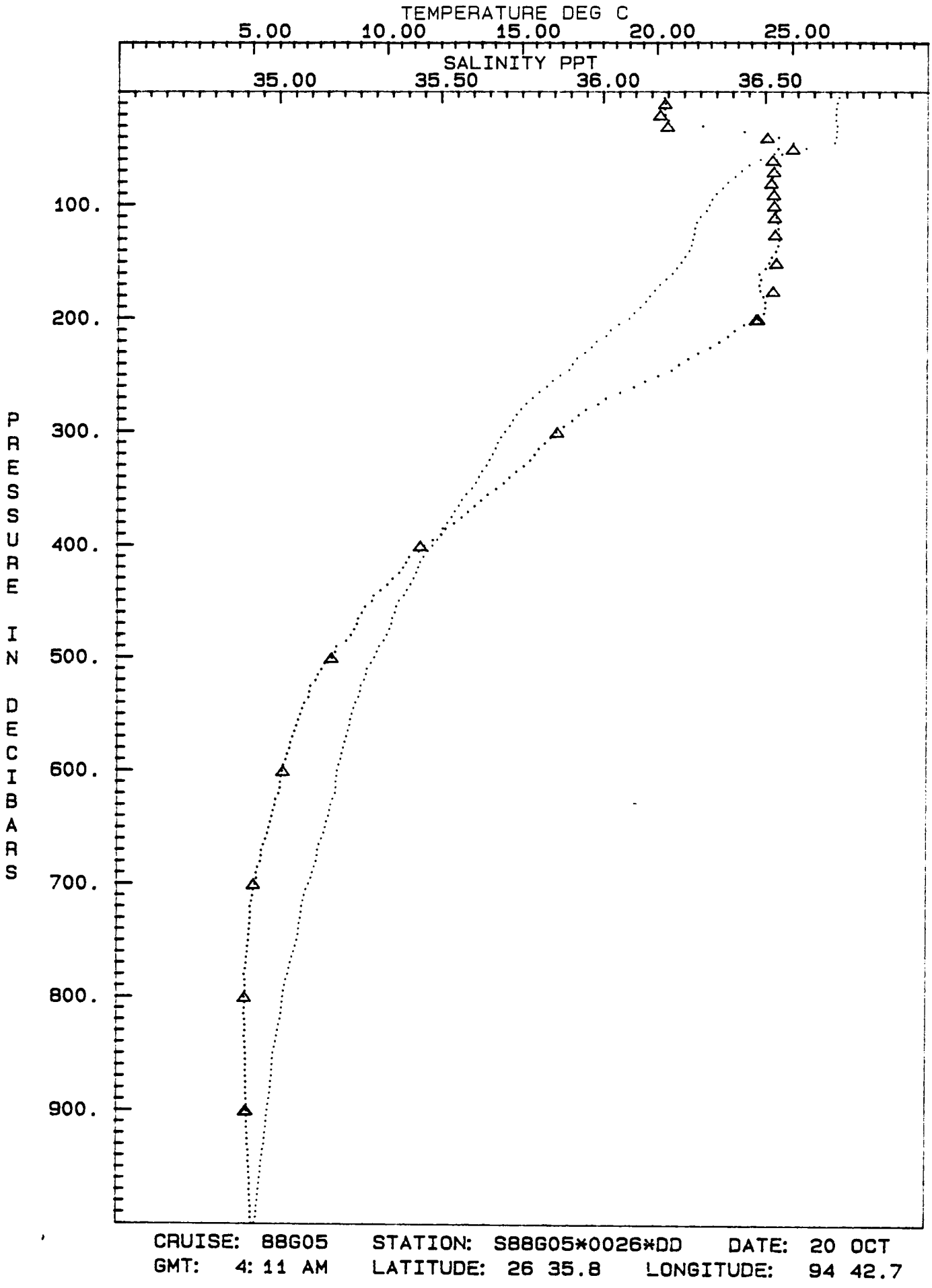
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.721	36.178	23.697	8.88	255.0	16.131	36.121	26.581	8.98	505.0	9.430	35.134	27.154	8.97
10.0	26.651	36.182	23.722	8.88	260.0	15.923	36.087	26.602	8.98	510.0	9.279	35.124	27.171	8.97
15.0	26.616	36.180	23.731	8.88	265.0	15.639	36.044	26.634	8.98	515.0	9.244	35.114	27.168	8.97
20.0	26.606	36.181	23.735	8.88	270.0	15.393	36.000	26.656	8.98	520.0	9.179	35.107	27.173	8.97
25.0	26.605	36.191	23.743	8.87	275.0	15.154	35.976	26.691	8.98	525.0	9.059	35.091	27.180	8.97
30.0	26.647	36.298	23.811	8.88	280.0	14.965	35.938	26.705	8.98	530.0	9.028	35.088	27.183	8.97
35.0	26.636	36.426	23.911	8.89	285.0	14.801	35.916	26.723	8.97	535.0	8.973	35.085	27.189	8.97
40.0	26.620	36.532	23.996	8.91	290.0	14.667	35.896	26.737	8.97	540.0	8.860	35.073	27.198	8.97
45.0	26.562	36.577	24.048	8.91	295.0	14.546	35.870	26.744	8.97	545.0	8.791	35.065	27.203	8.97
50.0	25.498	36.529	24.346	8.90	300.0	14.372	35.848	26.764	8.97	550.0	8.729	35.060	27.208	8.96
55.0	24.316	36.541	24.716	8.90	305.0	14.220	35.829	26.782	8.98	555.0	8.673	35.053	27.213	8.96
60.0	23.808	36.523	24.854	8.90	310.0	14.102	35.812	26.794	8.98	560.0	8.644	35.048	27.213	8.97
65.0	23.391	36.536	24.987	8.91	315.0	14.019	35.793	26.796	8.98	565.0	8.587	35.042	27.217	8.97
70.0	23.118	36.525	25.058	8.91	320.0	13.916	35.780	26.809	8.98	570.0	8.530	35.035	27.221	8.97
75.0	22.872	36.513	25.120	8.92	325.0	13.801	35.767	26.823	8.98	575.0	8.476	35.029	27.224	8.97
80.0	22.608	36.519	25.201	8.92	330.0	13.690	35.747	26.831	8.98	580.0	8.419	35.026	27.231	8.97
85.0	22.414	36.517	25.255	8.91	335.0	13.527	35.724	26.846	8.98	585.0	8.362	35.020	27.234	8.97
90.0	22.184	36.527	25.328	8.91	340.0	13.415	35.702	26.853	8.98	590.0	8.318	35.015	27.237	8.97
95.0	22.026	36.527	25.373	8.92	345.0	13.299	35.685	26.864	8.98	595.0	8.248	35.007	27.242	8.97
100.0	21.930	36.528	25.401	8.93	350.0	13.156	35.662	26.875	8.98	600.0	8.194	35.003	27.248	8.97
105.0	21.823	36.525	25.428	8.93	355.0	12.952	35.635	26.896	8.98	605.0	8.167	34.999	27.249	8.97
110.0	21.586	36.525	25.495	8.94	360.0	12.779	35.615	26.915	8.98	610.0	8.139	34.998	27.252	8.97
115.0	21.454	36.530	25.535	8.95	365.0	12.676	35.595	26.920	8.98	615.0	8.136	34.997	27.251	8.97
120.0	21.394	36.531	25.553	8.96	370.0	12.520	35.575	26.935	8.98	620.0	8.116	34.993	27.251	8.97
125.0	21.364	36.532	25.562	8.96	375.0	12.400	35.556	26.944	8.98	625.0	8.021	34.983	27.258	8.98
130.0	21.320	36.534	25.575	8.97	380.0	12.240	35.533	26.957	8.98	630.0	7.950	34.980	27.266	8.98
135.0	21.268	36.530	25.587	8.97	385.0	12.081	35.506	26.968	8.98	635.0	7.911	34.975	27.268	8.97
140.0	21.181	36.523	25.606	8.97	390.0	12.009	35.493	26.971	8.98	640.0	7.870	34.972	27.271	8.97
145.0	21.026	36.510	25.639	8.98	395.0	11.875	35.467	26.977	8.98	645.0	7.791	34.967	27.280	8.97
150.0	20.883	36.503	25.672	8.98	400.0	11.697	35.440	26.990	8.98	650.0	7.750	34.962	27.282	8.97
155.0	20.725	36.492	25.707	8.98	405.0	11.526	35.423	27.009	8.98	655.0	7.696	34.958	27.286	8.99
160.0	20.553	36.472	25.738	8.98	410.0	11.373	35.394	27.014	8.98	660.0	7.611	34.953	27.295	8.99
165.0	20.333	36.477	25.802	8.97	415.0	11.246	35.384	27.031	8.98	665.0	7.523	34.945	27.302	8.99
170.0	20.091	36.472	25.862	8.98	420.0	11.170	35.375	27.037	8.97	670.0	7.470	34.939	27.305	8.99
175.0	19.903	36.475	25.915	8.98	425.0	11.095	35.363	27.042	8.97	675.0	7.452	34.938	27.307	8.98
180.0	19.721	36.484	25.970	8.98	430.0	11.006	35.343	27.042	8.97	680.0	7.415	34.936	27.310	8.98
185.0	19.527	36.491	26.013	8.98	435.0	10.896	35.327	27.050	8.97	685.0	7.344	34.928	27.313	8.98
190.0	19.370	36.491	26.066	8.98	440.0	10.756	35.306	27.058	8.97	690.0	7.278	34.924	27.320	8.98
195.0	19.152	36.487	26.120	8.98	445.0	10.648	35.284	27.061	8.98	695.0	7.222	34.924	27.328	8.98
200.0	18.973	36.469	26.153	8.98	450.0	10.467	35.280	27.090	8.97	700.0	7.143	34.920	27.336	8.98
205.0	18.580	36.425	26.220	8.98	455.0	10.363	35.258	27.091	8.97	705.0	7.047	34.914	27.345	8.98
210.0	18.280	36.396	26.273	8.98	460.0	10.307	35.248	27.093	8.97	710.0	6.977	34.912	27.353	8.98
215.0	18.116	36.376	26.299	8.98	465.0	10.219	35.237	27.100	8.97	715.0	6.932	34.909	27.357	8.98
220.0	17.758	36.349	26.367	8.98	470.0	10.182	35.233	27.104	8.97	720.0	6.887	34.906	27.360	8.98
225.0	17.577	36.322	26.390	8.98	475.0	10.110	35.225	27.109	8.97	725.0	6.872	34.906	27.363	8.98
230.0	17.332	36.284	26.421	8.98	480.0	10.011	35.215	27.118	8.97	730.0	6.841	34.906	27.367	8.98
235.0	17.032	36.254	26.470	8.98	485.0	9.900	35.201	27.126	8.97	735.0	6.795	34.904	27.372	8.98
240.0	16.873	36.225	26.486	8.98	490.0	9.730	35.170	27.131	8.97	740.0	6.776	34.903	27.373	8.98
245.0	16.743	36.202	26.500	8.98	495.0	9.639	35.167	27.144	8.97	745.0	6.755	34.901	27.375	8.98
250.0	16.416	36.161	26.545	8.98	500.0	9.556	35.157	27.150	8.97	750.0	6.712	34.901	27.381	8.98

STATION S88G05*0026*DD CRUISE 88G05 DATE 20 OCT GMT 4:11 AM LAT 26 35.8 LON 94 42.7 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.653	34.898	27.386	8.98	1005.0	5.141	34.912	27.589	9.00	1255.0	4.408	34.948	27.702	9.00
760.0	6.591	34.897	27.394	8.98	1010.0	5.112	34.914	27.594	9.00	1260.0	4.400	34.949	27.703	9.00
765.0	6.528	34.895	27.401	8.98	1015.0	5.090	34.914	27.597	9.00	1265.0	4.399	34.948	27.703	9.00
770.0	6.472	34.894	27.407	8.98	1020.0	5.059	34.915	27.602	9.00	1270.0	4.395	34.949	27.703	9.00
775.0	6.431	34.891	27.411	8.98	1025.0	5.044	34.917	27.604	9.00	1275.0	4.385	34.950	27.705	9.00
780.0	6.377	34.888	27.415	8.98	1030.0	5.031	34.917	27.606	9.00	1280.0	4.380	34.950	27.705	9.00
785.0	6.307	34.889	27.426	8.98	1035.0	5.009	34.918	27.609	9.00	1285.0	4.374	34.950	27.706	9.00
790.0	6.266	34.890	27.432	8.98	1040.0	4.991	34.919	27.612	9.00	1290.0	4.370	34.950	27.707	9.00
795.0	6.220	34.891	27.438	8.99	1045.0	4.954	34.920	27.618	9.00	1295.0	4.364	34.950	27.708	9.00
800.0	6.194	34.887	27.439	8.99	1050.0	4.934	34.922	27.621	9.00	1300.0	4.361	34.951	27.709	9.00
805.0	6.172	34.889	27.443	8.99	1055.0	4.924	34.922	27.623	9.00	1305.0	4.360	34.951	27.708	9.00
810.0	6.158	34.888	27.444	8.99	1060.0	4.913	34.922	27.624	9.00	1310.0	4.360	34.951	27.708	9.01
815.0	6.135	34.888	27.447	8.99	1065.0	4.891	34.922	27.626	9.00	1315.0	4.359	34.950	27.708	9.01
820.0	6.097	34.889	27.453	8.99	1070.0	4.879	34.923	27.629	9.00	1320.0	4.355	34.951	27.709	9.01
825.0	6.050	34.890	27.460	8.99	1075.0	4.860	34.925	27.633	9.00	1325.0	4.350	34.951	27.710	9.01
830.0	6.020	34.890	27.464	8.99	1080.0	4.837	34.926	27.636	9.00	1330.0	4.347	34.951	27.710	9.01
835.0	5.972	34.888	27.468	8.99	1085.0	4.824	34.927	27.638	9.00	1335.0	4.346	34.951	27.711	9.01
840.0	5.937	34.891	27.475	8.99	1090.0	4.809	34.928	27.640	9.00	1340.0	4.344	34.952	27.711	9.01
845.0	5.895	34.891	27.480	8.99	1095.0	4.783	34.929	27.644	9.00	1345.0	4.341	34.952	27.711	9.01
850.0	5.846	34.893	27.488	8.99	1100.0	4.764	34.929	27.646	9.00	1350.0	4.336	34.952	27.712	9.01
855.0	5.826	34.893	27.490	8.99	1105.0	4.747	34.930	27.650	9.00	1355.0	4.332	34.952	27.713	9.01
860.0	5.809	34.893	27.492	8.99	1110.0	4.724	34.932	27.653	9.00	1360.0	4.331	34.952	27.713	9.01
865.0	5.799	34.893	27.493	8.99	1115.0	4.698	34.933	27.657	9.00	1365.0	4.331	34.952	27.713	9.01
870.0	5.787	34.893	27.495	8.99	1120.0	4.677	34.934	27.660	9.00	1370.0	4.325	34.953	27.714	9.01
875.0	5.759	34.894	27.499	8.99	1125.0	4.663	34.935	27.662	9.00	1375.0	4.324	34.953	27.714	9.01
880.0	5.746	34.894	27.501	8.99	1130.0	4.658	34.935	27.663	9.00	1380.0	4.324	34.953	27.714	9.01
885.0	5.723	34.893	27.504	8.99	1135.0	4.657	34.935	27.663	9.00	1385.0	4.323	34.953	27.714	9.01
890.0	5.693	34.895	27.509	8.99	1140.0	4.647	34.935	27.665	9.00	1390.0	4.323	34.953	27.715	9.01
895.0	5.664	34.896	27.513	8.99	1145.0	4.631	34.937	27.667	9.00	1395.0	4.323	34.953	27.715	9.01
900.0	5.627	34.897	27.518	8.99	1150.0	4.618	34.937	27.669	9.00	1400.0	4.317	34.953	27.715	9.01
905.0	5.605	34.897	27.521	8.99	1155.0	4.612	34.937	27.670	9.00	1405.0	4.312	34.953	27.716	9.01
910.0	5.593	34.896	27.522	8.99	1160.0	4.602	34.938	27.672	9.00	1410.0	4.306	34.954	27.717	9.01
915.0	5.575	34.896	27.525	8.99	1165.0	4.589	34.938	27.673	9.00	1415.0	4.303	34.954	27.718	9.01
920.0	5.545	34.898	27.530	8.99	1170.0	4.575	34.939	27.676	9.00	1420.0	4.299	34.954	27.718	9.01
925.0	5.528	34.899	27.532	8.99	1175.0	4.568	34.939	27.677	9.00	1425.0	4.295	34.954	27.719	9.01
930.0	5.508	34.899	27.535	8.99	1180.0	4.554	34.940	27.679	9.00	1430.0	4.293	34.954	27.719	9.01
935.0	5.471	34.902	27.542	8.99	1185.0	4.534	34.941	27.682	9.00	1435.0	4.291	34.955	27.719	9.01
940.0	5.443	34.902	27.545	8.99	1190.0	4.523	34.942	27.684	9.00	1440.0	4.289	34.955	27.720	9.01
945.0	5.413	34.902	27.549	8.99	1195.0	4.506	34.943	27.686	9.00	1445.0	4.286	34.955	27.720	9.02
950.0	5.389	34.904	27.553	8.99	1200.0	4.502	34.943	27.687	9.00	1450.0	4.284	34.955	27.720	9.02
955.0	5.378	34.904	27.554	8.99	1205.0	4.497	34.943	27.688	9.00	1455.0	4.283	34.955	27.720	9.02
960.0	5.346	34.906	27.560	8.99	1210.0	4.488	34.944	27.689	9.00	1460.0	4.281	34.955	27.721	9.01
965.0	5.325	34.907	27.563	8.99	1215.0	4.474	34.944	27.691	9.00	1465.0	4.274	34.956	27.722	9.01
970.0	5.307	34.906	27.564	8.99	1220.0	4.467	34.945	27.693	9.00	1470.0	4.264	34.956	27.724	9.01
975.0	5.288	34.907	27.568	8.99	1225.0	4.458	34.945	27.694	9.00	1475.0	4.259	34.956	27.724	9.01
980.0	5.266	34.907	27.570	8.99	1230.0	4.440	34.947	27.697	9.00	1480.0	4.256	34.957	27.725	9.01
985.0	5.241	34.909	27.575	8.99	1235.0	4.429	34.947	27.698	9.00					
990.0	5.230	34.909	27.576	8.99	1240.0	4.424	34.947	27.699	9.00					
995.0	5.208	34.909	27.579	9.00	1245.0	4.421	34.948	27.699	9.00					
1000.0	5.171	34.912	27.586	9.00	1250.0	4.415	34.947	27.700	9.00					

STATION S88G05*026A*DD CRUISE 88G05 DATE 20 OCT GMT 7:47 AM LAT 26 32.9 LON 94 40.3 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.595	36.097	23.676	8.80	255.0	16.175	36.115	26.566	8.97					
10.0	26.598	36.190	23.745	8.87	260.0	15.892	36.074	26.600	8.97					
15.0	26.597	36.189	23.744	8.88	265.0	15.711	36.054	26.626	8.97					
20.0	26.597	36.189	23.744	8.88	270.0	15.555	36.033	26.645	8.97					
25.0	26.602	36.191	23.745	8.88	275.0	15.345	35.997	26.665	8.97					
30.0	26.647	36.245	23.771	8.88	280.0	15.217	35.978	26.679	8.97					
35.0	26.769	36.417	23.861	8.89	285.0	14.997	35.945	26.702	8.97					
40.0	26.648	36.507	23.968	8.91	290.0	14.757	35.910	26.728	8.96					
45.0	26.601	36.589	24.045	8.91	295.0	14.518	35.873	26.752	8.97					
50.0	25.960	36.591	24.249	8.90	300.0	14.333	35.847	26.772	8.97					
55.0	24.733	36.558	24.603	8.89	305.0	14.244	35.824	26.773	8.96					
60.0	24.245	36.539	24.735	8.89	310.0	14.126	35.803	26.782	8.97					
65.0	23.764	36.514	24.860	8.90	315.0	13.960	35.767	26.789	8.97					
70.0	23.374	36.523	24.982	8.90	320.0	13.733	35.740	26.817	8.97					
75.0	22.985	36.511	25.086	8.90	325.0	13.504	35.711	26.842	8.97					
80.0	22.671	36.506	25.173	8.91	330.0	13.237	35.675	26.869	8.97					
85.0	22.506	36.507	25.221	8.91	335.0	13.108	35.659	26.882	8.97					
90.0	22.296	36.507	25.281	8.90	340.0	13.070	35.651	26.884	8.97					
95.0	22.074	36.520	25.354	8.91	345.0	12.952	35.629	26.891	8.97					
100.0	21.930	36.507	25.384	8.91	350.0	12.790	35.605	26.905	8.97					
105.0	21.742	36.519	25.447	8.92	355.0	12.664	35.585	26.914	8.98					
110.0	21.598	36.522	25.490	8.93	360.0	12.524	35.565	26.926	8.98					
115.0	21.486	36.525	25.523	8.94	365.0	12.453	35.554	26.932	8.97					
120.0	21.416	36.529	25.545	8.95	370.0	12.347	35.538	26.940	8.97					
125.0	21.363	36.530	25.561	8.95	375.0	12.232	35.518	26.948	8.97					
130.0	21.326	36.533	25.573	8.96	380.0	12.115	35.501	26.957	8.97					
135.0	21.290	36.531	25.582	8.96	385.0	11.958	35.484	26.974	8.97					
140.0	21.250	36.529	25.591	8.96	390.0	11.889	35.470	26.977	8.97					
145.0	21.179	36.521	25.605	8.97	395.0	11.770	35.448	26.982	8.97					
150.0	21.122	36.517	25.617	8.97	400.0	11.636	35.432	26.995	8.97					
155.0	21.044	36.507	25.631	8.97	405.0	11.582	35.429	27.003	8.97					
160.0	20.997	36.501	25.667	8.97	410.0	11.531	35.416	27.002	8.97					
165.0	20.603	36.478	25.729	8.97	415.0	11.382	35.397	27.015	8.97					
170.0	20.288	36.473	25.810	8.97	420.0	11.297	35.385	27.021	8.97					
175.0	20.018	36.469	25.879	8.97	425.0	11.229	35.373	27.025	8.97					
180.0	19.709	36.467	25.959	8.97	430.0	11.070	35.346	27.033	8.98					
185.0	19.518	36.475	26.016	8.97	435.0	10.967	35.330	27.039	8.97					
190.0	19.326	36.484	26.073	8.97	440.0	10.871	35.319	27.048	8.97					
195.0	19.014	36.465	26.139	8.97	445.0	10.781	35.307	27.055	8.98					
200.0	18.871	36.460	26.172	8.97	450.0	10.697	35.303	27.067	8.97					
205.0	18.662	36.441	26.211	8.97	455.0	10.642	35.295	27.070	8.97					
210.0	18.353	36.404	26.261	8.97	460.0	10.525	35.275	27.075	8.97					
215.0	18.116	36.383	26.304	8.97	465.0	10.335	35.239	27.081	8.97					
220.0	17.840	36.349	26.347	8.97	470.0	10.110	35.206	27.095	8.97					
225.0	17.554	36.317	26.392	8.97	475.0	9.951	35.187	27.107	8.97					
230.0	17.342	36.287	26.421	8.97	480.0	9.891	35.197	27.125	8.97					
235.0	17.090	36.249	26.453	8.98	485.0	9.866	35.189	27.123	8.97					
240.0	16.798	36.211	26.493	8.97	490.0	9.726	35.161	27.125	8.98					
245.0	16.586	36.182	26.521	8.97	495.0	9.623	35.157	27.139	8.98					
250.0	16.438	36.163	26.542	8.97	500.0	9.580	35.153	27.143	8.98					



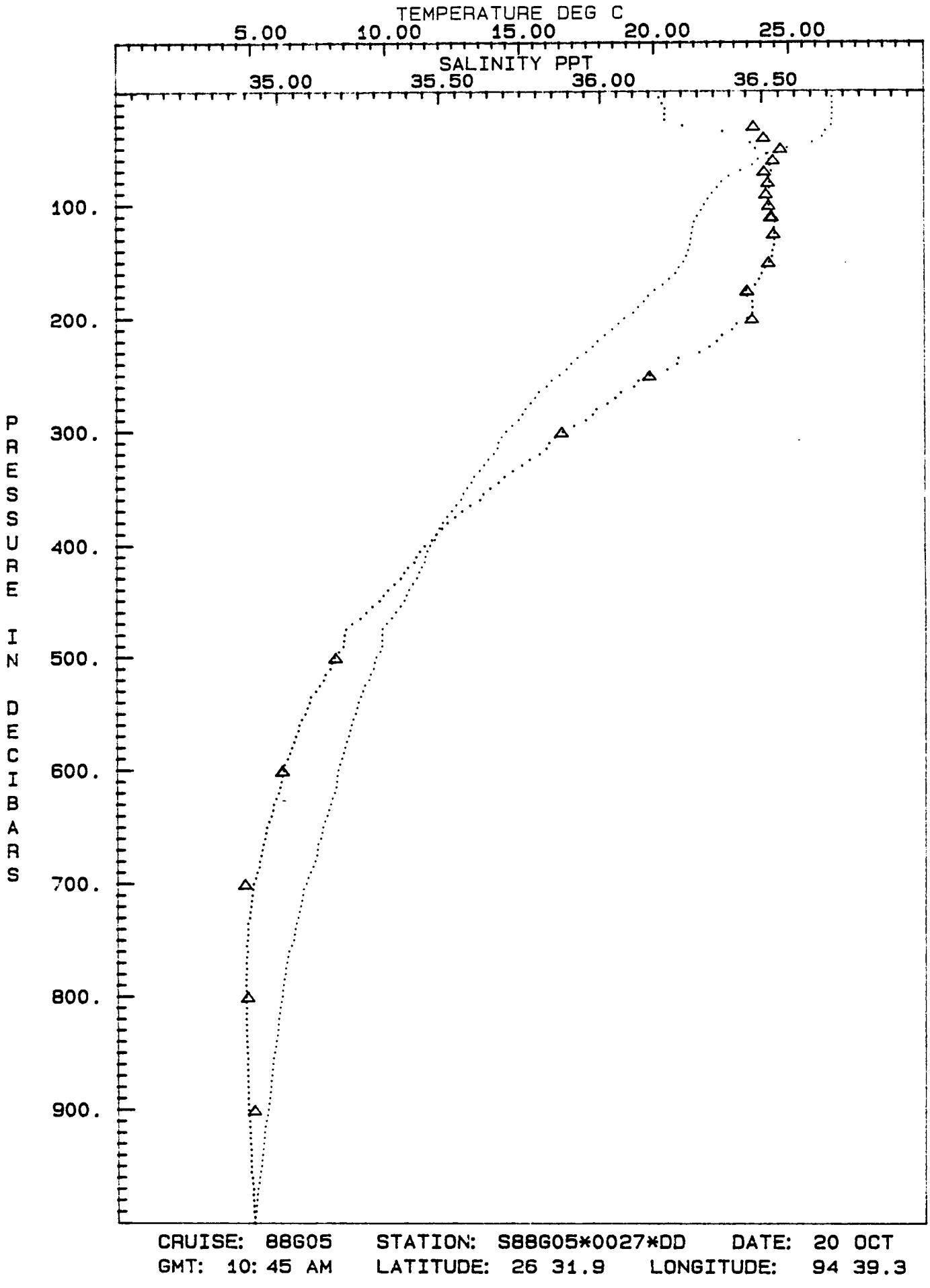
CRUISE: 88G05 STATION: S88G05*0026*DD DATE: 20 OCT
GMT: 4: 11 AM LATITUDE: 26 35.8 LONGITUDE: 94 42.7

STATION S88G05*0027*DD CRUISE 88G05 DATE 20 OCT GMT 10:45 AM LAT 26 31.9 LON 94 39.3 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.596	36.172	23.732	8.89	255.0	16.166	36.107	26.562	8.97	505.0	9.577	35.157	27.147	8.97
10.0	26.603	36.182	23.737	8.90	260.0	15.991	36.093	26.592	8.97	510.0	9.542	35.152	27.149	8.97
15.0	26.604	36.191	23.744	8.90	265.0	15.694	36.053	26.629	8.97	515.0	9.431	35.137	27.156	8.97
20.0	26.605	36.191	23.743	8.90	270.0	15.557	36.036	26.647	8.97	520.0	9.367	35.132	27.162	8.97
25.0	26.591	36.190	23.747	8.90	275.0	15.390	36.011	26.666	8.97	525.0	9.215	35.119	27.177	8.96
30.0	26.563	36.246	23.798	8.89	280.0	15.197	35.977	26.683	8.97	530.0	9.142	35.107	27.180	8.96
35.0	26.341	36.370	23.962	8.88	285.0	15.082	35.966	26.700	8.97	535.0	9.064	35.092	27.180	8.96
40.0	26.225	36.507	24.102	8.89	290.0	14.942	35.945	26.714	8.97	540.0	8.976	35.088	27.191	8.96
45.0	25.861	36.455	24.177	8.89	295.0	14.692	35.908	26.741	8.97	545.0	8.928	35.082	27.194	8.95
50.0	24.927	36.471	24.477	8.90	300.0	14.471	35.873	26.762	8.97	550.0	8.864	35.075	27.199	8.96
55.0	24.217	36.505	24.718	8.90	305.0	14.302	35.848	26.779	8.97	555.0	8.786	35.064	27.203	8.96
60.0	23.855	36.513	24.833	8.90	310.0	14.185	35.831	26.791	8.96	560.0	8.725	35.056	27.207	8.96
65.0	23.633	36.514	24.898	8.91	315.0	14.154	35.822	26.790	8.97	565.0	8.671	35.054	27.213	8.95
70.0	23.200	36.520	25.030	8.91	320.0	14.009	35.801	26.805	8.97	570.0	8.618	35.046	27.215	8.95
75.0	22.768	36.511	25.149	8.92	325.0	13.814	35.770	26.823	8.97	575.0	8.547	35.040	27.222	8.95
80.0	22.495	36.514	25.229	8.92	330.0	13.654	35.746	26.837	8.97	580.0	8.481	35.033	27.227	8.96
85.0	22.332	36.513	25.276	8.92	335.0	13.485	35.718	26.851	8.97	585.0	8.427	35.027	27.230	8.96
90.0	22.136	36.512	25.331	8.91	340.0	13.285	35.692	26.872	8.97	590.0	8.361	35.020	27.235	8.96
95.0	21.982	36.510	25.372	8.92	345.0	13.176	35.673	26.880	8.97	595.0	8.291	35.011	27.238	8.96
100.0	21.846	36.512	25.412	8.92	350.0	13.023	35.648	26.891	8.97	600.0	8.223	35.007	27.246	8.96
105.0	21.731	36.521	25.451	8.93	355.0	12.883	35.627	26.903	8.98	605.0	8.194	35.004	27.248	8.96
110.0	21.580	36.527	25.498	8.94	360.0	12.799	35.616	26.911	8.97	610.0	8.171	35.001	27.249	8.96
115.0	21.472	36.531	25.531	8.95	365.0	12.622	35.585	26.923	8.98	615.0	8.144	34.997	27.250	8.97
120.0	21.420	36.528	25.544	8.95	370.0	12.459	35.561	26.937	8.98	620.0	8.089	34.992	27.255	8.97
125.0	21.385	36.529	25.554	8.95	375.0	12.277	35.539	26.955	8.98	625.0	8.007	34.984	27.261	8.97
130.0	21.344	36.529	25.565	8.96	380.0	12.120	35.516	26.968	8.97	630.0	7.945	34.977	27.264	8.97
135.0	21.311	36.528	25.574	8.96	385.0	11.991	35.498	26.979	8.97	635.0	7.876	34.974	27.273	8.97
140.0	21.257	36.523	25.585	8.97	390.0	11.890	35.481	26.984	8.97	640.0	7.814	34.969	27.278	8.97
145.0	21.176	36.521	25.605	8.97	395.0	11.821	35.467	26.987	8.97	645.0	7.727	34.962	27.285	8.97
150.0	21.072	36.513	25.627	8.97	400.0	11.647	35.445	27.002	8.97	650.0	7.656	34.955	27.290	8.97
155.0	20.999	36.499	25.665	8.97	405.0	11.539	35.430	27.011	8.97	655.0	7.619	34.953	27.294	8.97
160.0	20.772	36.489	25.692	8.97	410.0	11.475	35.418	27.015	8.97	660.0	7.572	34.950	27.298	8.97
165.0	20.538	36.481	25.749	8.97	415.0	11.440	35.412	27.016	8.97	665.0	7.472	34.944	27.308	8.97
170.0	20.305	36.468	25.802	8.97	420.0	11.331	35.393	27.021	8.97	670.0	7.454	34.940	27.308	8.97
175.0	19.996	36.441	25.864	8.97	425.0	11.234	35.381	27.030	8.97	675.0	7.427	34.937	27.309	8.97
180.0	19.755	36.444	25.929	8.97	430.0	11.148	35.370	27.038	8.97	680.0	7.361	34.932	27.315	8.97
185.0	19.594	36.460	25.985	8.98	435.0	11.004	35.350	27.048	8.97	685.0	7.282	34.932	27.326	8.97
190.0	19.387	36.461	26.039	8.98	440.0	10.856	35.331	27.060	8.97	690.0	7.193	34.924	27.333	8.97
195.0	19.201	36.459	26.087	8.98	445.0	10.769	35.317	27.065	8.97	695.0	7.103	34.921	27.342	8.97
200.0	18.870	36.443	26.159	8.98	450.0	10.687	35.305	27.070	8.97	700.0	7.034	34.913	27.346	8.97
205.0	18.655	36.411	26.190	8.98	455.0	10.540	35.282	27.078	8.97	705.0	6.929	34.911	27.359	8.97
210.0	18.424	36.398	26.238	8.99	460.0	10.363	35.263	27.095	8.97	710.0	6.895	34.909	27.362	8.97
215.0	18.152	36.366	26.282	8.98	465.0	10.217	35.245	27.106	8.97	715.0	6.868	34.907	27.364	8.97
220.0	17.881	36.350	26.337	8.98	470.0	10.027	35.219	27.119	8.97	720.0	6.818	34.906	27.370	8.97
225.0	17.699	36.327	26.365	8.98	475.0	9.870	35.201	27.132	8.97	725.0	6.770	34.902	27.374	8.98
230.0	17.453	36.296	26.401	8.98	480.0	9.864	35.196	27.129	8.97	730.0	6.731	34.901	27.378	8.98
235.0	17.140	36.231	26.427	8.98	485.0	9.862	35.195	27.128	8.97	735.0	6.657	34.896	27.384	8.98
240.0	16.900	36.227	26.481	8.98	490.0	9.856	35.193	27.128	8.97	740.0	6.617	34.896	27.390	8.98
245.0	16.728	36.196	26.499	8.98	495.0	9.789	35.178	27.128	8.97	745.0	6.588	34.896	27.394	8.98
250.0	16.464	36.142	26.520	8.98	500.0	9.636	35.165	27.143	8.97	750.0	6.556	34.895	27.397	8.98

STATION S88G05*0027*DD CRUISE 88G05 DATE 20 OCT GMT 10:45 AM LAT 26 31.9 LON 94 39.3 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.475	34.891	27.405	8.98	1005.0	5.064	34.916	27.602	8.99	1255.0	4.400	34.949	27.703	9.00
760.0	6.382	34.895	27.420	8.98	1010.0	5.042	34.917	27.605	8.99	1260.0	4.398	34.949	27.703	9.00
765.0	6.344	34.892	27.423	8.98	1015.0	5.014	34.917	27.608	8.99	1265.0	4.389	34.950	27.704	9.00
770.0	6.304	34.890	27.427	8.98	1020.0	4.980	34.920	27.614	8.99	1270.0	4.386	34.950	27.705	9.00
775.0	6.259	34.891	27.433	8.98	1025.0	4.957	34.921	27.618	8.99	1275.0	4.379	34.950	27.706	9.00
780.0	6.240	34.890	27.435	8.98	1030.0	4.935	34.922	27.621	8.99	1280.0	4.375	34.950	27.706	9.00
785.0	6.206	34.890	27.439	8.98	1035.0	4.917	34.922	27.624	8.99	1285.0	4.369	34.950	27.707	9.00
790.0	6.172	34.889	27.443	8.98	1040.0	4.905	34.923	27.625	8.99	1290.0	4.362	34.951	27.708	9.00
795.0	6.144	34.890	27.447	8.98	1045.0	4.890	34.924	27.628	8.99	1295.0	4.356	34.951	27.709	9.00
800.0	6.128	34.889	27.449	8.98	1050.0	4.878	34.924	27.630	8.99	1300.0	4.351	34.952	27.710	9.00
805.0	6.093	34.889	27.454	8.98	1055.0	4.856	34.925	27.633	8.99	1305.0	4.349	34.952	27.711	9.00
810.0	6.055	34.891	27.459	8.98	1060.0	4.838	34.926	27.636	8.99	1310.0	4.345	34.952	27.711	9.00
815.0	6.028	34.890	27.463	8.98	1065.0	4.806	34.929	27.641	8.99	1315.0	4.342	34.952	27.712	9.00
820.0	5.995	34.890	27.466	8.98	1070.0	4.781	34.929	27.645	8.99	1320.0	4.340	34.952	27.712	9.00
825.0	5.979	34.891	27.469	8.98	1075.0	4.757	34.929	27.647	8.99	1325.0	4.336	34.952	27.713	9.00
830.0	5.965	34.891	27.471	8.98	1080.0	4.751	34.931	27.649	9.00	1330.0	4.333	34.952	27.713	9.00
835.0	5.942	34.891	27.474	8.98	1085.0	4.749	34.930	27.649	8.99	1335.0	4.328	34.953	27.714	9.00
840.0	5.911	34.891	27.479	8.98	1090.0	4.745	34.930	27.650	8.99	1340.0	4.325	34.953	27.714	9.00
845.0	5.879	34.892	27.483	8.98	1095.0	4.734	34.931	27.652	9.00	1345.0	4.325	34.953	27.714	9.00
850.0	5.839	34.893	27.489	8.98	1100.0	4.707	34.933	27.656	9.00	1350.0	4.326	34.953	27.714	9.00
855.0	5.794	34.895	27.496	8.98	1105.0	4.689	34.934	27.659	9.00	1355.0	4.325	34.953	27.714	9.00
860.0	5.777	34.894	27.497	8.98	1110.0	4.681	34.934	27.660	9.00	1360.0	4.323	34.953	27.715	9.00
865.0	5.753	34.894	27.501	8.98	1115.0	4.668	34.935	27.662	8.99	1365.0	4.322	34.953	27.715	9.00
870.0	5.732	34.894	27.503	8.98	1120.0	4.661	34.935	27.663	8.99	1370.0	4.319	34.953	27.715	9.00
875.0	5.710	34.895	27.507	8.98	1125.0	4.651	34.936	27.664	8.99	1375.0	4.313	34.953	27.716	9.00
880.0	5.695	34.895	27.509	8.98	1130.0	4.638	34.937	27.667	8.99	1380.0	4.311	34.954	27.717	9.00
885.0	5.678	34.896	27.511	8.98	1135.0	4.617	34.936	27.669	8.99	1385.0	4.309	34.954	27.717	9.00
890.0	5.658	34.895	27.513	8.98	1140.0	4.608	34.938	27.671	9.00	1390.0	4.309	34.954	27.717	9.00
895.0	5.628	34.896	27.518	8.98	1145.0	4.598	34.938	27.673	8.99	1395.0	4.307	34.954	27.717	9.00
900.0	5.599	34.897	27.522	8.98	1150.0	4.593	34.938	27.673	9.00	1400.0	4.304	34.954	27.718	9.01
905.0	5.574	34.898	27.526	8.98	1155.0	4.580	34.939	27.675	9.00	1405.0	4.302	34.954	27.718	9.01
910.0	5.530	34.900	27.533	8.98	1160.0	4.566	34.940	27.677	9.00	1410.0	4.302	34.954	27.718	9.01
915.0	5.485	34.901	27.539	8.98	1165.0	4.552	34.940	27.679	9.00	1415.0	4.302	34.954	27.718	9.01
920.0	5.454	34.902	27.544	8.98	1170.0	4.543	34.941	27.681	9.00	1420.0	4.300	34.954	27.718	9.01
925.0	5.445	34.902	27.545	8.98	1175.0	4.538	34.941	27.682	8.99	1425.0	4.299	34.954	27.718	9.01
930.0	5.429	34.903	27.547	8.98	1180.0	4.529	34.942	27.683	8.99	1430.0	4.297	34.954	27.719	9.01
935.0	5.401	34.904	27.552	8.98	1185.0	4.521	34.942	27.684	8.99	1435.0	4.295	34.954	27.719	9.01
940.0	5.376	34.905	27.556	8.98	1190.0	4.510	34.943	27.686	8.99	1440.0	4.292	34.954	27.719	9.01
945.0	5.356	34.904	27.557	8.98	1195.0	4.498	34.944	27.688	8.99	1445.0	4.290	34.955	27.719	9.01
950.0	5.342	34.905	27.560	8.98	1200.0	4.491	34.944	27.689	9.00	1450.0	4.288	34.955	27.720	9.01
955.0	5.305	34.905	27.564	8.98	1205.0	4.479	34.945	27.691	9.00	1455.0	4.286	34.955	27.720	9.01
960.0	5.271	34.908	27.571	8.98	1210.0	4.471	34.945	27.692	9.00	1460.0	4.285	34.955	27.720	9.01
965.0	5.248	34.909	27.574	8.99	1215.0	4.459	34.946	27.694	9.00	1465.0	4.283	34.955	27.720	9.01
970.0	5.210	34.911	27.581	8.99	1220.0	4.450	34.946	27.695	9.00	1470.0	4.280	34.955	27.721	9.01
975.0	5.191	34.910	27.582	8.99	1225.0	4.447	34.946	27.696	9.00	1475.0	4.278	34.955	27.721	9.01
980.0	5.173	34.912	27.585	8.99	1230.0	4.436	34.947	27.697	9.00	1480.0	4.277	34.956	27.722	9.01
985.0	5.150	34.913	27.589	8.99	1235.0	4.429	34.947	27.698	9.00	1485.0	4.275	34.956	27.722	9.01
990.0	5.135	34.913	27.590	8.99	1240.0	4.425	34.947	27.699	9.00	1490.0	4.274	34.956	27.722	9.01
995.0	5.088	34.915	27.598	8.99	1245.0	4.418	34.948	27.700	9.00	1495.0	4.272	34.956	27.722	9.01
1000.0	5.072	34.916	27.601	8.99	1250.0	4.408	34.949	27.702	9.00					



CRUISE: 88G05 STATION: S88G05*0027*DD DATE: 20 OCT
GMT: 10: 45 AM LATITUDE: 26 31.9 LONGITUDE: 94 39.3

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*27*1 DATE 20OCT88 GMT 1220 LAT 26 31.4 LON 94 39.3 OPERATOR

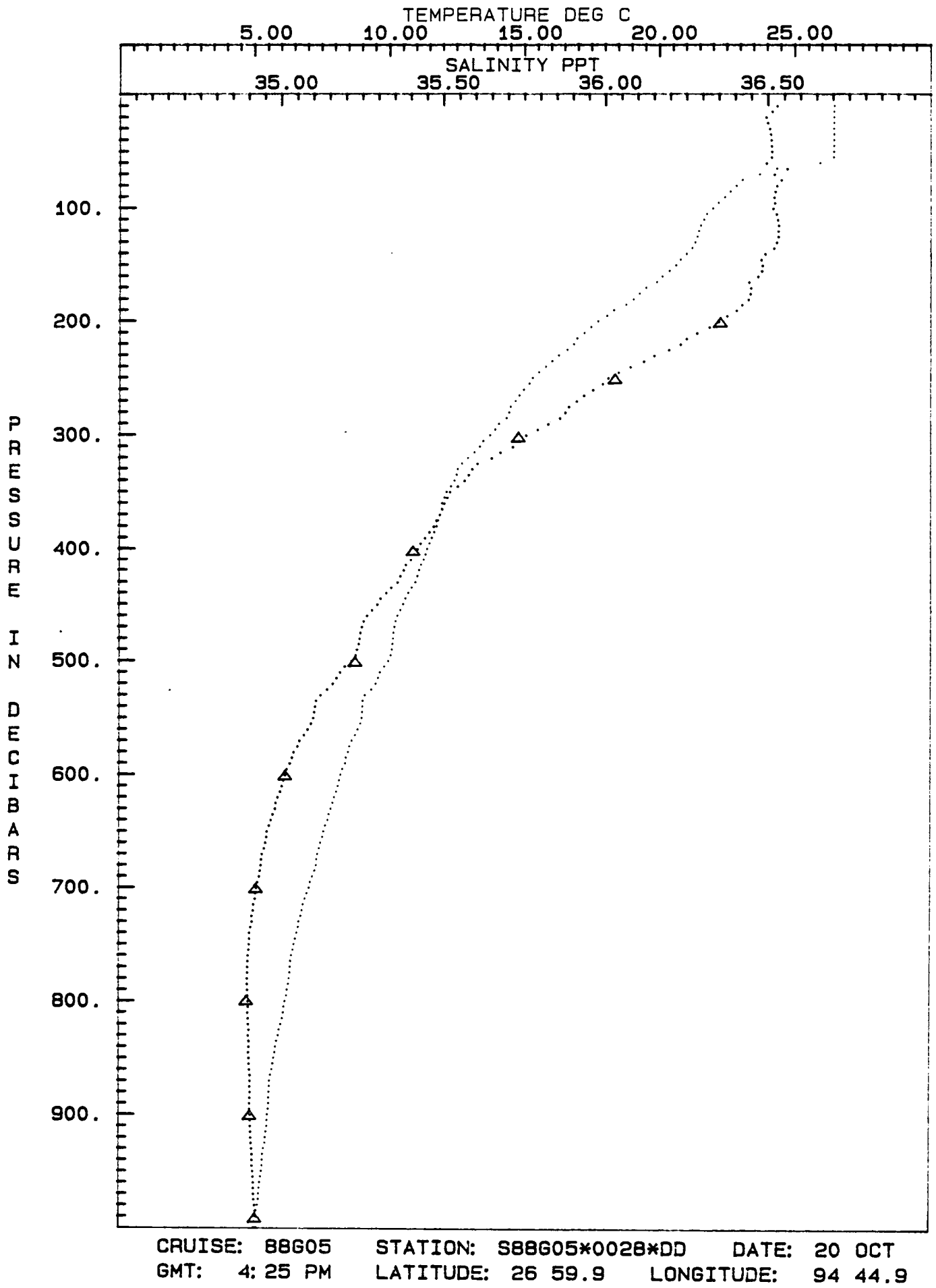
Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.52	202.4	18.39	402.5	11.34	602.4	7.98	802.2	5.89						
7.5	26.54	207.3	18.19	407.5	11.23	607.5	7.91	807.5	5.86						
12.6	26.53	212.3	17.93	412.3	11.16	612.3	7.85	812.7	5.81						
17.5	26.53	217.6	17.55	417.3	11.09	617.5	7.79	817.6	5.77						
22.4	26.52	222.5	17.33	422.4	11.02	622.6	7.76	822.5	5.75						
27.5	26.53	227.5	17.13	427.5	10.89	627.5	7.72								
32.4	26.46	232.5	16.88	432.5	10.79	632.3	7.69								
37.3	26.43	237.5	16.63	437.6	10.66	637.4	7.62								
42.5	26.21	242.4	16.42	442.6	10.57	642.6	7.55								
47.4	26.23	247.4	16.17	447.4	10.53	647.4	7.51								
52.3	24.89	252.4	15.90	452.5	10.42	652.3	7.47								
57.5	24.02	257.4	15.77	457.5	10.34	657.4	7.45								
62.7	23.58	262.3	15.58	462.3	10.23	662.6	7.41								
67.5	23.22	267.3	15.35	467.4	10.06	667.4	7.37								
72.4	22.88	272.3	15.23	472.4	9.88	672.3	7.29								
77.7	22.51	277.3	15.01	477.5	9.75	677.5	7.19								
82.5	22.27	282.3	14.81	482.6	9.60	682.6	7.15								
87.4	22.06	287.3	14.67	487.4	9.45	687.5	7.10								
92.3	21.90	292.6	14.42	492.5	9.44	692.3	7.02								
97.3	21.73	297.6	14.19	497.5	9.43	697.5	7.00								
102.5	21.55	302.6	14.05	502.3	9.42	702.7	6.96								
107.4	21.40	307.6	13.88	507.4	9.37	707.5	6.91								
112.3	21.27	312.3	13.84	512.5	9.24	712.4	6.87								
117.5	21.22	317.3	13.66	517.3	9.16	717.2	6.77								
122.4	21.20	322.3	13.47	522.4	9.10	722.5	6.68								
127.4	21.15	327.3	13.32	527.5	9.04	727.7	6.60								
132.6	21.11	332.3	13.19	532.3	8.96	732.5	6.52								
137.5	21.05	337.4	13.02	537.4	8.83	737.4	6.47								
142.4	20.98	342.4	12.89	542.5	8.73	742.2	6.42								
147.4	20.85	347.4	12.78	547.3	8.63	747.5	6.40								
152.3	20.72	352.4	12.65	552.4	8.59	752.7	6.37								
157.6	20.54	357.5	12.55	557.5	8.53	757.5	6.31								
162.5	20.33	362.5	12.45	562.3	8.48	762.4	6.29								
167.4	20.07	367.5	12.25	567.4	8.40	767.3	6.22								
172.4	19.69	372.6	12.09	572.6	8.34	772.2	6.18								
177.3	19.50	377.6	11.90	577.4	8.30	777.4	6.15								
182.6	19.30	382.6	11.74	582.5	8.23	782.6	6.11								
187.5	19.07	387.3	11.65	587.6	8.19	787.5	6.03								
192.5	18.95	392.4	11.58	592.4	8.14	792.4	5.96								
197.4	18.63	397.4	11.49	597.2	8.06	797.3	5.93								

STATION S98G05*0028*DD CRUISE 88G05 DATE 20 OCT GMT 4:25 PM LAT 26 59.9 LON 94 44.9 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
10.0	26.442	36.519	24.042	8.91	260.0	14.975	35.953	26.713	8.97	510.0	9.669	35.174	27.145	8.94
15.0	26.438	36.504	24.033	8.91	265.0	14.804	35.925	26.729	8.97	515.0	9.596	35.163	27.148	8.94
20.0	26.436	36.485	24.019	8.91	270.0	14.669	35.902	26.742	8.97	520.0	9.511	35.152	27.154	8.94
25.0	26.436	36.490	24.022	8.91	275.0	14.484	35.878	26.763	8.97	525.0	9.347	35.135	27.168	8.94
30.0	26.432	36.496	24.028	8.91	280.0	14.429	35.867	26.766	8.97	530.0	9.113	35.114	27.190	8.94
35.0	26.432	36.499	24.031	8.91	285.0	14.326	35.851	26.776	8.97	535.0	9.035	35.100	27.192	8.93
40.0	26.431	36.501	24.032	8.91	290.0	14.050	35.813	26.806	8.97	540.0	9.025	35.098	27.191	8.94
45.0	26.432	36.502	24.033	8.91	295.0	13.910	35.781	26.811	8.97	545.0	9.008	35.095	27.191	8.94
50.0	26.432	36.503	24.033	8.91	300.0	13.721	35.746	26.823	8.96	550.0	8.994	35.092	27.192	8.93
55.0	26.427	36.503	24.035	8.91	305.0	13.474	35.724	26.858	8.96	555.0	8.948	35.085	27.193	8.94
60.0	25.917	36.486	24.183	8.89	310.0	13.349	35.705	26.869	8.96	560.0	8.845	35.074	27.201	8.95
65.0	24.325	36.550	24.720	8.88	315.0	13.151	35.666	26.879	8.97	565.0	8.749	35.063	27.208	8.95
70.0	23.684	36.511	24.881	8.90	320.0	12.915	35.640	26.907	8.97	570.0	8.619	35.049	27.218	8.95
75.0	23.051	36.532	25.083	8.91	325.0	12.694	35.597	26.917	8.96	575.0	8.542	35.043	27.225	8.95
80.0	22.831	36.518	25.136	8.91	330.0	12.533	35.580	26.937	8.97	580.0	8.495	35.032	27.224	8.95
85.0	22.604	36.513	25.198	8.92	335.0	12.497	35.570	26.936	8.97	585.0	8.416	35.027	27.232	8.96
90.0	22.401	36.510	25.253	8.92	340.0	12.407	35.557	26.943	8.97	590.0	8.385	35.020	27.231	8.96
95.0	22.169	36.512	25.321	8.92	345.0	12.281	35.536	26.952	8.96	595.0	8.281	35.011	27.240	8.96
100.0	21.956	36.506	25.376	8.92	350.0	12.119	35.512	26.965	8.95	600.0	8.216	35.005	27.246	8.96
105.0	21.735	36.517	25.447	8.92	355.0	12.041	35.503	26.973	8.94	605.0	8.165	34.999	27.249	8.96
110.0	21.631	36.521	25.479	8.93	360.0	11.952	35.494	26.983	8.92	610.0	8.118	34.995	27.253	8.96
115.0	21.517	36.524	25.513	8.93	365.0	11.941	35.488	26.980	8.92	615.0	8.062	34.990	27.257	8.96
120.0	21.445	36.523	25.533	8.94	370.0	11.879	35.480	26.986	8.92	620.0	7.981	34.983	27.263	8.96
125.0	21.382	36.523	25.550	8.94	375.0	11.813	35.470	26.991	8.92	625.0	7.925	34.977	27.267	8.96
130.0	21.307	36.518	25.567	8.95	380.0	11.756	35.462	26.995	8.93	630.0	7.859	34.975	27.276	8.96
135.0	21.196	36.509	25.591	8.95	385.0	11.672	35.448	27.000	8.93	635.0	7.787	34.967	27.281	8.96
140.0	20.984	36.482	25.629	8.96	390.0	11.576	35.435	27.008	8.93	640.0	7.741	34.962	27.283	8.97
145.0	20.763	36.471	25.680	8.97	395.0	11.494	35.421	27.013	8.93	645.0	7.656	34.956	27.291	8.97
150.0	20.590	36.474	25.730	8.97	400.0	11.410	35.412	27.022	8.94	650.0	7.594	34.949	27.294	8.97
155.0	20.356	36.473	25.792	8.97	405.0	11.353	35.402	27.025	8.94	655.0	7.555	34.948	27.299	8.96
160.0	20.092	36.460	25.853	8.97	410.0	11.280	35.392	27.030	8.94	660.0	7.475	34.945	27.308	8.97
165.0	19.889	36.433	25.886	8.97	415.0	11.178	35.376	27.037	8.95	665.0	7.434	34.941	27.311	8.97
170.0	19.486	36.438	25.996	8.97	420.0	11.114	35.370	27.043	8.95	670.0	7.366	34.934	27.316	8.97
175.0	19.251	36.437	26.057	8.97	425.0	11.050	35.360	27.047	8.95	675.0	7.335	34.932	27.319	8.97
180.0	19.023	36.431	26.111	8.97	430.0	10.980	35.351	27.053	8.94	680.0	7.321	34.931	27.320	8.96
185.0	18.749	36.411	26.166	8.97	435.0	10.836	35.331	27.064	8.94	685.0	7.270	34.928	27.324	8.97
190.0	18.304	36.394	26.265	8.98	440.0	10.712	35.316	27.074	8.94	690.0	7.183	34.926	27.335	8.97
195.0	18.055	36.365	26.306	8.98	445.0	10.608	35.298	27.079	8.93	695.0	7.106	34.921	27.342	8.97
200.0	17.724	36.339	26.368	8.98	450.0	10.525	35.289	27.086	8.93	700.0	7.065	34.917	27.344	8.96
205.0	17.466	36.311	26.409	8.98	455.0	10.421	35.273	27.093	8.93	705.0	6.982	34.914	27.354	8.97
210.0	17.213	36.273	26.441	8.97	460.0	10.314	35.257	27.099	8.93	710.0	6.911	34.913	27.363	8.96
215.0	16.949	36.240	26.480	8.97	465.0	10.246	35.247	27.103	8.93	715.0	6.845	34.908	27.368	8.96
220.0	16.829	36.222	26.495	8.97	470.0	10.201	35.241	27.106	8.93	720.0	6.804	34.908	27.373	8.96
225.0	16.586	36.186	26.524	8.97	475.0	10.173	35.237	27.108	8.93	725.0	6.755	34.903	27.376	8.96
230.0	16.261	36.141	26.566	8.97	480.0	10.154	35.234	27.109	8.93	730.0	6.690	34.903	27.385	8.97
235.0	16.012	36.109	26.599	8.97	485.0	10.137	35.232	27.110	8.93	735.0	6.668	34.899	27.385	8.97
240.0	15.786	36.068	26.619	8.97	490.0	10.109	35.226	27.110	8.93	740.0	6.613	34.896	27.390	8.97
245.0	15.532	36.032	26.649	8.97	495.0	10.063	35.222	27.115	8.93	745.0	6.555	34.896	27.398	8.97
250.0	15.299	35.999	26.677	8.97	500.0	9.978	35.210	27.120	8.94	750.0	6.511	34.895	27.404	8.97
255.0	15.179	35.983	26.691	8.97	505.0	9.829	35.188	27.129	8.94	755.0	6.465	34.894	27.408	8.97

STATION S88G05*0028*DD CRUISE 88G05 DATE 20 OCT GMT 4:25 PM LAT 26 59.9 LON 94 44.9 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
760.0	6.411	34.892	27.414	8.97	1010.0	5.001	34.919	27.611	8.99	1260.0	4.497	34.944	27.688	8.99
765.0	6.381	34.891	27.417	8.97	1015.0	4.975	34.921	27.615	8.99	1265.0	4.490	34.945	27.690	8.99
770.0	6.368	34.890	27.418	8.97	1020.0	4.964	34.921	27.617	8.99	1270.0	4.473	34.946	27.692	8.99
775.0	6.352	34.890	27.420	8.97	1025.0	4.956	34.921	27.618	8.99	1275.0	4.448	34.948	27.697	8.99
780.0	6.328	34.889	27.423	8.98	1030.0	4.932	34.923	27.622	8.99	1280.0	4.443	34.947	27.697	8.99
785.0	6.295	34.889	27.427	8.98	1035.0	4.916	34.923	27.625	8.99	1285.0	4.439	34.947	27.697	8.99
790.0	6.258	34.889	27.432	8.98	1040.0	4.902	34.924	27.627	8.99	1290.0	4.430	34.948	27.699	8.99
795.0	6.225	34.890	27.437	8.97	1045.0	4.871	34.925	27.631	8.99	1295.0	4.418	34.949	27.700	8.99
800.0	6.178	34.891	27.444	8.97	1050.0	4.851	34.926	27.634	8.98	1300.0	4.405	34.949	27.702	8.98
805.0	6.130	34.892	27.451	8.97	1055.0	4.839	34.927	27.636	8.99	1305.0	4.403	34.949	27.703	8.98
810.0	6.109	34.891	27.453	8.97	1060.0	4.825	34.928	27.639	8.98	1310.0	4.403	34.949	27.703	8.99
815.0	6.074	34.892	27.458	8.97	1065.0	4.813	34.928	27.640	8.98	1315.0	4.401	34.949	27.703	8.99
820.0	6.015	34.893	27.466	8.97	1070.0	4.805	34.928	27.641	8.99	1320.0	4.394	34.949	27.704	8.99
825.0	5.958	34.894	27.475	8.97	1075.0	4.793	34.929	27.643	8.99	1325.0	4.383	34.950	27.706	8.99
830.0	5.922	34.893	27.478	8.97	1080.0	4.782	34.930	27.645	8.99	1330.0	4.359	34.951	27.709	8.99
835.0	5.866	34.895	27.487	8.97	1085.0	4.764	34.931	27.648	8.99	1335.0	4.342	34.953	27.712	9.00
840.0	5.825	34.895	27.492	8.97	1090.0	4.745	34.932	27.651	8.98	1340.0	4.327	34.953	27.714	9.00
845.0	5.798	34.893	27.494	8.98	1095.0	4.726	34.932	27.653	8.99	1345.0	4.316	34.954	27.716	9.00
850.0	5.760	34.895	27.500	8.97	1100.0	4.712	34.934	27.656	8.98	1350.0	4.303	34.955	27.718	9.00
855.0	5.727	34.895	27.505	8.97	1105.0	4.696	34.935	27.659	8.98	1355.0	4.295	34.955	27.719	9.00
860.0	5.689	34.897	27.510	8.97	1110.0	4.686	34.935	27.660	8.98	1360.0	4.288	34.955	27.720	9.00
865.0	5.640	34.898	27.518	8.98	1115.0	4.671	34.936	27.662	8.99	1365.0	4.282	34.956	27.721	9.00
870.0	5.608	34.898	27.522	8.98	1120.0	4.664	34.936	27.663	8.99	1370.0	4.280	34.956	27.722	9.00
875.0	5.599	34.897	27.522	8.98	1125.0	4.658	34.936	27.664	8.99	1375.0	4.276	34.956	27.722	9.00
880.0	5.585	34.898	27.525	8.98	1130.0	4.658	34.936	27.664	8.99	1380.0	4.272	34.956	27.723	9.00
885.0	5.582	34.898	27.525	8.98	1135.0	4.658	34.936	27.664	8.99	1385.0	4.269	34.956	27.723	9.00
890.0	5.576	34.898	27.525	8.98	1140.0	4.656	34.936	27.664	8.99	1390.0	4.266	34.957	27.724	9.00
895.0	5.560	34.897	27.527	8.98	1145.0	4.652	34.936	27.665	8.99	1395.0	4.266	34.956	27.723	9.00
900.0	5.529	34.899	27.532	8.98	1150.0	4.649	34.936	27.665	8.99	1400.0	4.255	34.957	27.725	9.00
905.0	5.519	34.899	27.533	8.98	1155.0	4.646	34.936	27.666	8.99	1405.0	4.249	34.958	27.726	9.00
910.0	5.507	34.900	27.535	8.98	1160.0	4.644	34.936	27.666	8.99	1410.0	4.245	34.958	27.727	9.00
915.0	5.480	34.901	27.540	8.98	1165.0	4.644	34.936	27.666	8.99	1415.0	4.245	34.958	27.727	9.00
920.0	5.454	34.901	27.543	8.98	1170.0	4.642	34.936	27.666	8.99	1420.0	4.245	34.958	27.727	9.00
925.0	5.437	34.902	27.546	8.98	1175.0	4.637	34.937	27.667	8.99	1425.0	4.242	34.958	27.727	9.00
930.0	5.384	34.904	27.554	8.98	1180.0	4.634	34.937	27.667	8.99	1430.0	4.238	34.958	27.728	9.00
935.0	5.357	34.905	27.558	8.98	1185.0	4.614	34.938	27.671	8.99	1435.0	4.237	34.958	27.728	9.00
940.0	5.352	34.905	27.558	8.98	1190.0	4.581	34.941	27.676	8.99	1440.0	4.235	34.958	27.728	9.00
945.0	5.339	34.905	27.560	8.98	1195.0	4.573	34.941	27.677	8.99	1445.0	4.234	34.958	27.728	9.00
950.0	5.309	34.907	27.565	8.98	1200.0	4.570	34.940	27.677	8.99	1450.0	4.235	34.958	27.728	9.00
955.0	5.279	34.908	27.570	8.98	1205.0	4.567	34.940	27.678	8.99	1455.0	4.235	34.958	27.728	9.00
960.0	5.252	34.909	27.574	8.99	1210.0	4.565	34.940	27.678	8.99					
965.0	5.231	34.909	27.576	8.99	1215.0	4.561	34.941	27.679	8.99					
970.0	5.211	34.910	27.579	8.99	1220.0	4.557	34.941	27.679	8.99					
975.0	5.202	34.910	27.581	8.99	1225.0	4.556	34.941	27.679	8.99					
980.0	5.166	34.913	27.587	8.99	1230.0	4.549	34.941	27.680	8.99					
985.0	5.123	34.915	27.594	8.99	1235.0	4.544	34.941	27.681	8.99					
990.0	5.067	34.919	27.603	8.98	1240.0	4.539	34.942	27.682	8.99					
995.0	5.041	34.919	27.606	8.99	1245.0	4.526	34.943	27.684	8.99					
1000.0	5.017	34.919	27.609	8.99	1250.0	4.510	34.944	27.687	8.99					
1005.0	5.007	34.920	27.611	8.99	1255.0	4.502	34.944	27.688	8.99					



CRUISE: 88G05 STATION: S88G05*0028*DD DATE: 20 OCT
GMT: 4: 25 PM LATITUDE: 26 59.9 LONGITUDE: 94 44.9

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*28*1 DATE 20OCT88 GMT 1616 LAT 2[illegible] 59.4 LON 94 45.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.42	202.4	17.55	402.5	11.13	602.4	8.12	802.2	6.08						
7.5	26.40	207.3	17.12	407.5	11.12	607.5	8.08	807.5	6.02						
12.6	26.41	212.3	16.94	412.3	11.11	612.3	7.99	812.7	6.01						
17.5	26.41	217.6	16.67	417.3	11.05	617.5	7.96	817.6	5.98						
22.4	26.40	222.5	16.44	422.4	10.91	622.6	7.93	822.5	5.97						
27.5	26.40	227.5	16.15	427.5	10.83	627.5	7.88								
32.4	26.39	232.5	15.93	432.5	10.72	632.3	7.84								
37.3	26.39	237.5	15.71	437.6	10.65	637.4	7.76								
42.5	26.38	242.4	15.54	442.6	10.56	642.6	7.61								
47.4	26.39	247.4	15.39	447.4	10.47	647.4	7.58								
52.3	26.39	252.4	15.13	452.5	10.38	652.3	7.52								
57.5	26.29	257.4	14.97	457.5	10.25	657.4	7.44								
62.7	24.87	262.3	14.69	462.3	10.15	662.6	7.37								
67.5	23.80	267.3	14.53	467.4	10.07	667.4	7.33								
72.4	23.24	272.3	14.38	472.4	9.98	672.3	7.30								
77.7	22.87	277.3	14.15	477.5	9.91	677.5	7.26								
82.5	22.63	282.3	14.04	482.6	9.86	682.6	7.19								
87.4	22.42	287.3	13.97	487.4	9.77	687.5	7.11								
92.3	22.18	292.6	13.76	492.5	9.73	692.3	7.06								
97.3	21.96	297.6	13.65	497.5	9.68	697.5	7.01								
102.5	21.69	302.6	13.49	502.3	9.62	702.7	6.97								
107.4	21.53	307.6	13.22	507.4	9.57	707.5	6.90								
112.3	21.43	312.3	13.11	512.5	9.50	712.4	6.87								
117.5	21.30	317.3	12.98	517.3	9.43	717.2	6.81								
122.4	21.21	322.3	12.82	522.4	9.36	722.5	6.77								
127.4	21.17	327.3	12.61	527.5	9.20	727.7	6.71								
132.6	21.07	332.3	12.50	532.3	9.12	732.5	6.65								
137.5	20.88	337.4	12.34	537.4	9.08	737.4	6.60								
142.4	20.68	342.4	12.17	542.5	8.98	742.2	6.56								
147.4	20.48	347.4	12.09	547.3	8.89	747.5	6.53								
152.3	20.29	352.4	12.03	552.4	8.85	752.7	6.50								
157.6	20.04	357.5	11.92	557.5	8.78	757.5	6.44								
162.5	19.85	362.5	11.81	562.3	8.73	762.4	6.39								
167.4	19.54	367.5	11.72	567.4	8.63	767.3	6.34								
172.4	19.26	372.6	11.64	572.6	8.48	772.2	6.32								
177.3	19.00	377.6	11.56	577.4	8.42	777.4	6.29								
182.6	18.77	382.6	11.50	582.5	8.36	782.6	6.25								
187.5	18.34	387.3	11.41	587.6	8.29	787.5	6.20								
192.5	18.01	392.4	11.32	592.4	8.25	792.4	6.16								
197.4	17.82	397.4	11.22	597.2	8.18	797.3	6.14								

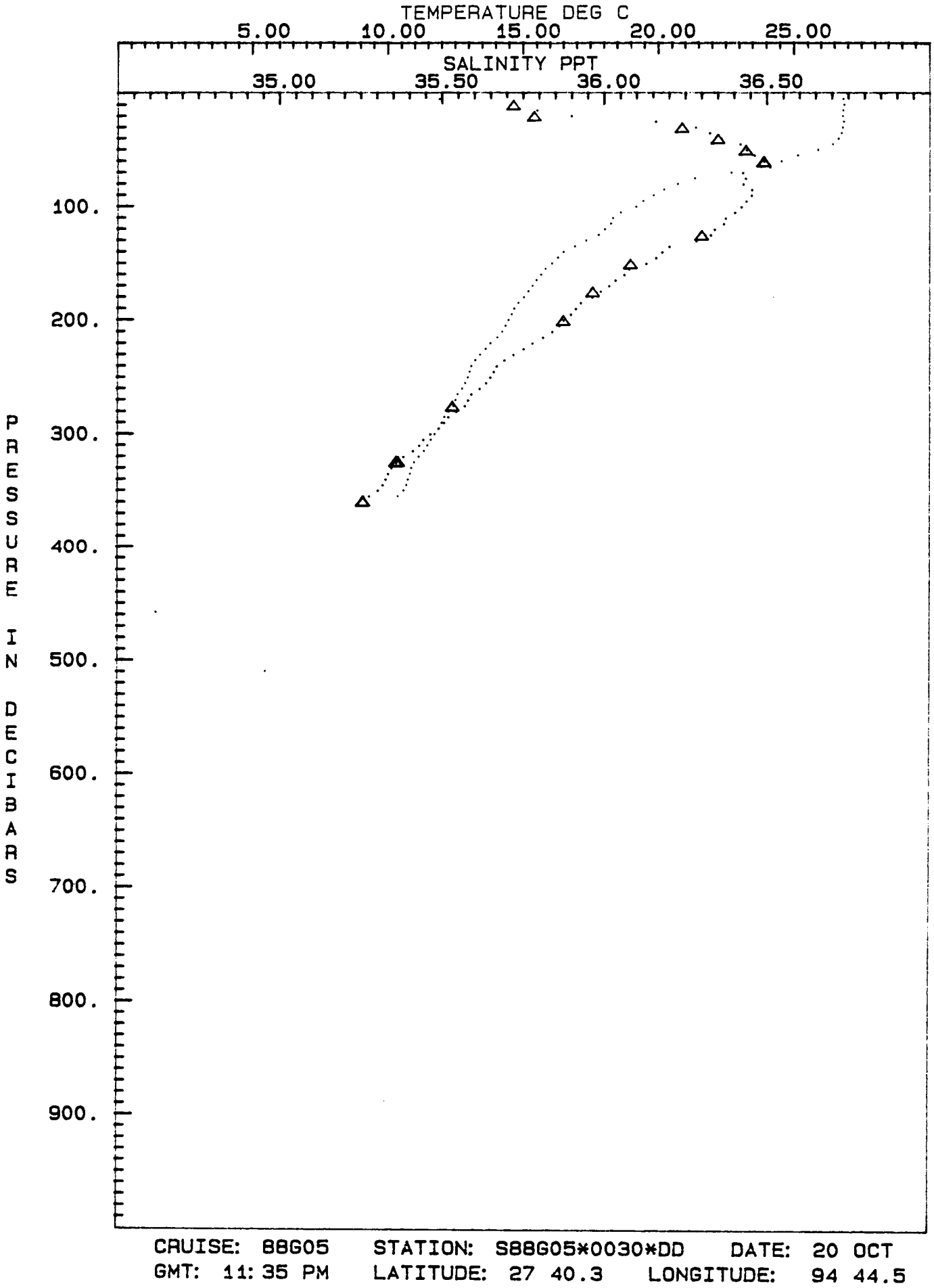
5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*29*1 DATE 20OCT88 GMT 2126 LAT 27 19.9 LON 94 45.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.48	202.4	16.40	402.5	10.25	602.4	7.66	802.2	5.68						
7.5	26.49	207.3	16.22	407.5	10.18	607.5	7.61	807.5	5.67						
12.6	26.46	212.3	16.06	412.3	10.11	612.3	7.57	812.7	5.65						
17.5	26.42	217.6	15.69	417.3	9.99	617.5	7.54	817.6	5.64						
22.4	26.40	222.5	15.50	422.4	9.84	622.6	7.42	822.5	5.61						
27.5	26.38	227.5	15.27	427.5	9.78	627.5	7.27								
32.4	26.38	232.5	14.99	432.5	9.73	632.3	7.19								
37.3	26.37	237.5	14.83	437.6	9.69	637.4	7.13								
42.5	26.36	242.4	14.56	442.6	9.65	642.6	7.09								
47.4	26.27	247.4	14.31	447.4	9.56	647.4	7.04								
52.3	25.75	252.4	14.06	452.5	9.47	652.3	7.01								
57.5	24.81	257.4	13.90	457.5	9.40	657.4	6.89								
62.7	23.92	262.3	13.63	462.3	9.33	662.6	6.82								
67.5	23.46	267.3	13.37	467.4	9.29	667.4	6.80								
72.4	23.12	272.3	13.22	472.4	9.20	672.3	6.79								
77.7	22.69	277.3	13.09	477.5	9.16	677.5	6.71								
82.5	22.42	282.3	12.97	482.6	9.12	682.6	6.66								
87.4	22.20	287.3	12.82	487.4	9.10	687.5	6.61								
92.3	22.01	292.6	12.64	492.5	9.04	692.3	6.52								
97.3	21.75	297.6	12.53	497.5	8.97	697.5	6.43								
102.5	21.49	302.6	12.44	502.3	8.90	702.7	6.39								
107.4	21.26	307.6	12.36	507.4	8.83	707.5	6.36								
112.3	21.11	312.3	12.26	512.5	8.79	712.4	6.31								
117.5	20.95	317.3	12.10	517.3	8.74	717.2	6.27								
122.4	20.80	322.3	11.97	522.4	8.68	722.5	6.22								
127.4	20.60	327.3	11.82	527.5	8.63	727.7	6.17								
132.6	20.31	332.3	11.66	532.3	8.62	732.5	6.11								
137.5	20.07	337.4	11.52	537.4	8.59	737.4	6.08								
142.4	19.88	342.4	11.46	542.5	8.56	742.2	6.03								
147.4	19.59	347.4	11.39	547.3	8.52	747.5	5.98								
152.3	19.31	352.4	11.29	552.4	8.42	752.7	5.95								
157.6	19.06	357.5	11.21	557.5	8.35	757.5	5.91								
162.5	18.80	362.5	11.10	562.3	8.28	762.4	5.89								
167.4	18.53	367.5	11.02	567.4	8.19	767.3	5.85								
172.4	18.26	372.6	10.89	572.6	8.12	772.2	5.80								
177.3	17.91	377.6	10.77	577.4	8.07	777.4	5.77								
182.6	17.62	382.6	10.60	582.5	8.01	782.6	5.74								
187.5	17.22	387.3	10.48	587.6	7.93	787.5	5.72								
192.5	16.93	392.4	10.44	592.4	7.84	792.4	5.71								
197.4	16.60	397.4	10.35	597.2	7.76	797.3	5.70								

STATION S88G05*0030*DD CRUISE 88G05 DATE 20 OCT GMT 11:35 PM LAT 27 40.3 LON 94 44.5 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.813	35.483	23.143	8.76	255.0	12.873	35.628	26.906	8.95					
10.0	26.852	35.702	23.296	8.76	260.0	12.754	35.608	26.914	8.95					
15.0	26.817	35.784	23.369	8.74	265.0	12.587	35.582	26.927	8.95					
20.0	26.799	35.890	23.455	8.74	270.0	12.518	35.572	26.933	8.94					
25.0	26.832	36.150	23.640	8.66	275.0	12.431	35.563	26.943	8.95					
30.0	26.792	36.273	23.746	8.65	280.0	12.239	35.536	26.960	8.96					
35.0	26.753	36.316	23.791	8.69	285.0	12.101	35.512	26.968	8.96					
40.0	26.636	36.352	23.855	8.74	290.0	11.997	35.499	26.978	8.96					
45.0	26.424	36.410	23.966	8.79	295.0	11.906	35.481	26.981	8.96					
50.0	25.977	36.430	24.153	8.65	300.0	11.736	35.456	26.995	8.96					
55.0	25.131	36.453	24.402	8.66	305.0	11.604	35.435	27.003	8.96					
60.0	24.530	36.483	24.608	8.63	310.0	11.477	35.422	27.017	8.95					
65.0	23.792	36.501	24.842	8.66	315.0	11.353	35.403	27.025	8.96					
70.0	22.690	36.418	25.101	8.66	320.0	11.154	35.374	27.039	8.96					
75.0	21.342	36.426	25.487	8.74	325.0	10.988	35.352	27.052	8.96					
80.0	20.711	36.419	25.655	8.79	330.0	10.878	35.337	27.061	8.96					
85.0	20.205	36.446	25.812	8.86	335.0	10.833	35.326	27.061	8.95					
90.0	19.819	36.445	25.913	8.87	340.0	10.757	35.318	27.068	8.94					
95.0	19.437	36.428	26.001	8.80	345.0	10.698	35.309	27.072	8.94					
100.0	19.179	36.413	26.057	8.71	350.0	10.598	35.295	27.078	8.94					
105.0	18.610	36.393	26.188	8.69	355.0	10.388	35.268	27.094	8.94					
110.0	18.320	36.365	26.239	8.73										
115.0	18.244	36.359	26.253	8.78										
120.0	18.021	36.331	26.288	8.79										
125.0	17.795	36.319	26.335	8.81										
130.0	17.333	36.274	26.414	8.90										
135.0	16.913	36.191	26.451	8.91										
140.0	16.495	36.169	26.533	8.94										
145.0	16.291	36.150	26.566	8.95										
150.0	16.068	36.120	26.595	8.97										
155.0	15.825	36.068	26.610	8.97										
160.0	15.661	36.053	26.636	8.97										
165.0	15.491	36.026	26.654	8.97										
170.0	15.348	36.006	26.671	8.97										
175.0	15.196	35.980	26.685	8.97										
180.0	15.030	35.954	26.702	8.96										
185.0	14.826	35.919	26.720	8.96										
190.0	14.674	35.904	26.741	8.96										
195.0	14.576	35.889	26.751	8.96										
200.0	14.452	35.866	26.761	8.96										
205.0	14.345	35.853	26.774	8.96										
210.0	14.224	35.830	26.782	8.96										
215.0	14.047	35.802	26.798	8.96										
220.0	13.794	35.770	26.827	8.96										
225.0	13.619	35.743	26.842	8.95										
230.0	13.416	35.712	26.860	8.95										
235.0	13.237	35.683	26.875	8.95										
240.0	13.093	35.660	26.886	8.95										
245.0	13.035	35.651	26.891	8.95										
250.0	12.966	35.641	26.897	8.95										



CRUISE: 88G05 STATION: S88G05*0030*DD DATE: 20 OCT
GMT: 11:35 PM LATITUDE: 27 40.3 LONGITUDE: 94 44.5

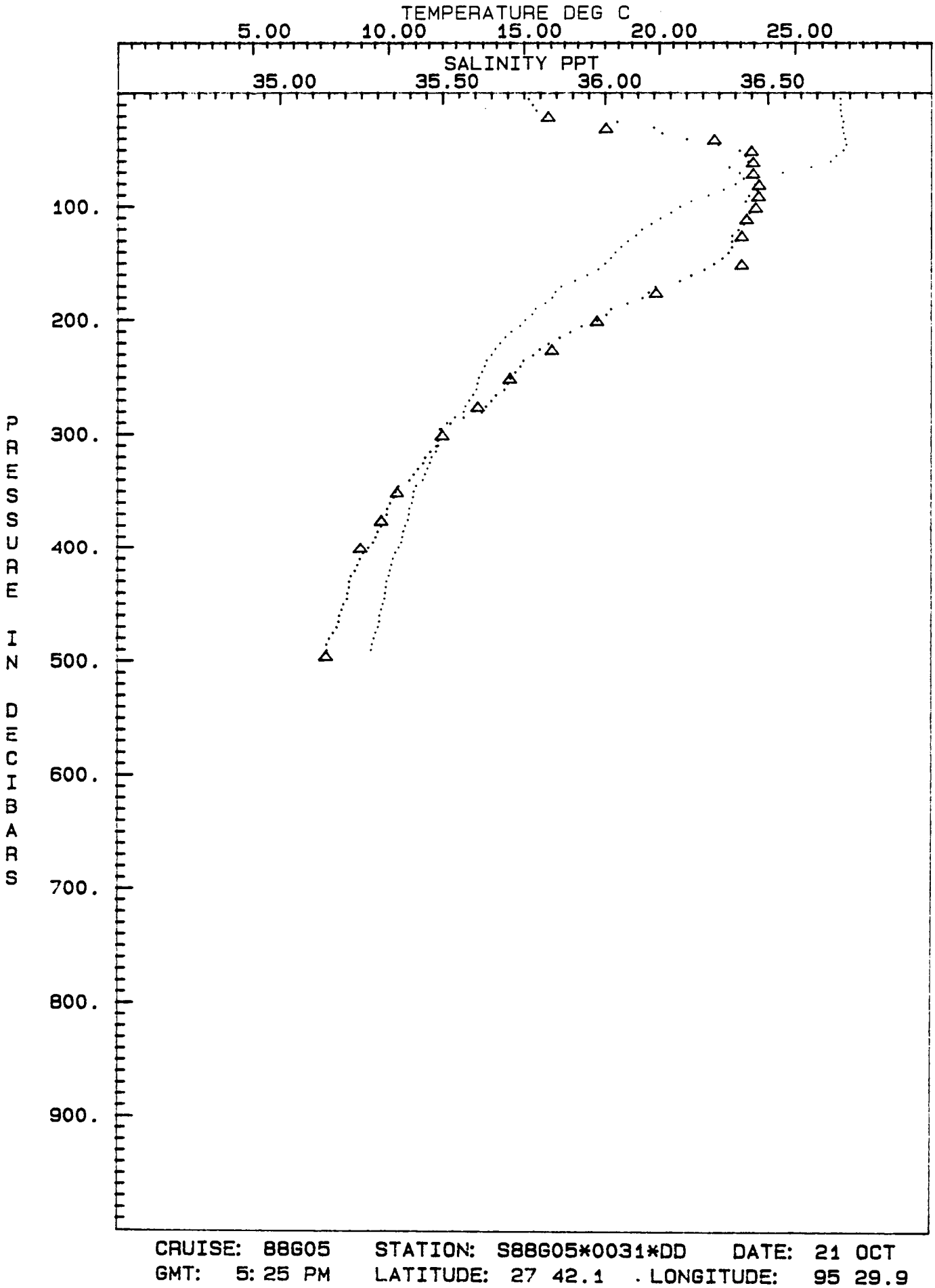
5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*30*1 DATE 20OCT88 GMT 2329 LAT 27 40.3 LON 94 44.8 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.79	202.4	13.94	402.5	9.90	602.4	10.05	802.2	10.08				
7.5	26.82	207.3	13.75	407.5	9.90	607.5	10.05	807.5	10.08				
12.6	26.82	212.3	13.58	412.3	9.90	612.3	10.06	812.7	10.08				
17.5	26.83	217.6	13.49	417.3	9.90	617.5	10.06	817.6	10.08				
22.4	26.80	222.5	13.42	422.4	9.90	622.6	10.06	822.5	10.09				
27.5	26.86	227.5	13.27	427.5	9.91	627.5	10.06						
32.4	26.85	232.5	13.19	432.5	9.91	632.3	10.06						
37.3	26.79	237.5	13.10	437.6	9.92	637.4	10.06						
42.5	26.65	242.4	12.96	442.6	9.92	642.6	10.06						
47.4	26.18	247.4	12.84	447.4	9.93	647.4	10.07						
52.3	25.56	252.4	12.69	452.5	9.93	652.3	10.07						
57.5	24.91	257.4	12.47	457.5	9.93	657.4	10.07						
62.7	24.08	262.3	12.26	462.3	9.93	662.6	10.07						
67.5	22.83	267.3	12.20	467.4	9.94	667.4	10.07						
72.4	21.53	272.3	12.08	472.4	9.94	672.3	10.07						
77.7	20.82	277.3	11.92	477.5	9.96	677.5	10.07						
82.5	20.27	282.3	11.79	482.6	9.96	682.6	10.07						
87.4	19.82	287.3	11.67	487.4	9.97	687.5	10.07						
92.3	19.54	292.6	11.57	492.5	9.98	692.3	10.07						
97.3	19.22	297.6	11.40	497.5	9.98	697.5	10.07						
102.5	18.95	302.6	11.31	502.3	9.99	702.7	10.07						
107.4	18.68	307.6	11.19	507.4	9.99	707.5	10.08						
112.3	18.17	312.3	11.01	512.5	9.99	712.4	10.07						
117.5	17.85	317.3	10.82	517.3	10.00	717.2	10.07						
122.4	17.58	322.3	10.67	522.4	10.01	722.5	10.08						
127.4	17.05	327.3	10.53	527.5	10.00	727.7	10.07						
132.6	16.78	332.3	10.49	532.3	10.01	732.5	10.08						
137.5	16.50	337.4	10.49	537.4	10.01	737.4	10.07						
142.4	16.06	342.4	10.48	542.5	10.02	742.2	10.07						
147.4	15.85	347.4	10.38	547.3	10.02	747.5	10.08						
152.3	15.67	352.4	10.21	552.4	10.03	752.7	10.07						
157.6	15.55	357.5	10.06	557.5	10.03	757.5	10.07						
162.5	15.42	362.5	9.89	562.3	10.03	762.4	10.08						
167.4	15.11	367.5	9.87	567.4	10.03	767.3	10.08						
172.4	14.89	372.6	9.89	572.6	10.04	772.2	10.08						
177.3	14.68	377.6	9.89	577.4	10.04	777.4	10.08						
182.6	14.52	382.6	9.89	582.5	10.04	782.6	10.08						
187.5	14.41	387.3	9.89	587.6	10.05	787.5	10.08						
192.5	14.27	392.4	9.89	592.4	10.04	792.4	10.08						
197.4	14.13	397.4	9.89	597.2	10.05	797.3	10.08						

STATION S88G05*0031*DD CRUISE 88G05 DATE 21 OCT GMT 5:25 PM LAT 27 42.1 LON 95 29.9 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.653	35.755	23.399	8.77	255.0	13.283	35.691	26.872	8.95					
10.0	26.658	35.767	23.407	8.77	260.0	13.247	35.680	26.870	8.95					
15.0	26.664	35.779	23.414	8.76	265.0	13.119	35.655	26.877	8.94					
20.0	26.687	35.807	23.428	8.73	270.0	12.986	35.640	26.893	8.93					
25.0	26.762	36.028	23.571	8.76	275.0	12.840	35.624	26.910	8.92					
30.0	26.742	36.140	23.661	8.84	280.0	12.782	35.612	26.912	8.92					
35.0	26.771	36.166	23.671	8.86	285.0	12.461	35.556	26.932	8.95					
40.0	26.828	36.242	23.711	8.84	290.0	12.164	35.515	26.958	8.95					
45.0	26.874	36.339	23.769	8.84	295.0	11.957	35.483	26.974	8.95					
50.0	26.762	36.404	23.854	8.87	300.0	11.889	35.482	26.985	8.94					
55.0	26.497	36.423	23.952	8.89	305.0	11.866	35.476	26.986	8.94					
60.0	26.287	36.430	24.025	8.89	310.0	11.837	35.473	26.988	8.93					
65.0	25.571	36.371	24.204	8.90	315.0	11.760	35.453	26.988	8.93					
70.0	24.519	36.404	24.551	8.88	320.0	11.599	35.438	27.006	8.93					
75.0	23.576	36.416	24.841	8.85	325.0	11.542	35.431	27.012	8.93					
80.0	22.793	36.452	25.097	8.85	330.0	11.450	35.416	27.017	8.93					
85.0	22.360	36.457	25.225	8.83	335.0	11.358	35.403	27.024	8.92					
90.0	21.801	36.433	25.365	8.81	340.0	11.268	35.389	27.030	8.92					
95.0	21.164	36.422	25.533	8.86	345.0	11.024	35.355	27.049	8.93					
100.0	20.748	36.442	25.663	8.88	350.0	10.946	35.347	27.056	8.93					
105.0	20.416	36.434	25.746	8.81	355.0	10.913	35.341	27.058	8.93					
110.0	20.023	36.433	25.851	8.66	360.0	10.869	35.330	27.057	8.93					
115.0	19.691	36.416	25.925	8.82	365.0	10.775	35.321	27.067	8.93					
120.0	19.347	36.400	26.003	8.83	370.0	10.765	35.319	27.068	8.93					
125.0	19.127	36.381	26.045	8.88	375.0	10.724	35.313	27.070	8.93					
130.0	18.828	36.380	26.122	8.92	380.0	10.627	35.302	27.079	8.93					
135.0	18.584	36.380	26.184	8.94	385.0	10.554	35.292	27.084	8.93					
140.0	18.367	36.369	26.230	8.95	390.0	10.524	35.285	27.084	8.93					
145.0	18.208	36.350	26.256	8.96	395.0	10.485	35.278	27.085	8.93					
150.0	17.995	36.325	26.289	8.94	400.0	10.388	35.263	27.091	8.94					
155.0	17.742	36.295	26.329	8.93	405.0	10.267	35.248	27.100	8.95					
160.0	17.328	36.255	26.400	8.76	410.0	10.176	35.238	27.108	8.93					
165.0	16.882	36.219	26.480	8.83	415.0	10.117	35.230	27.112	8.92					
170.0	16.368	36.145	26.544	8.88	420.0	10.064	35.223	27.115	8.93					
175.0	16.160	36.123	26.576	8.92	425.0	10.025	35.210	27.112	8.94					
180.0	16.039	36.105	26.590	8.91	430.0	9.936	35.205	27.124	8.94					
185.0	15.785	36.059	26.613	8.92	435.0	9.922	35.204	27.125	8.93					
190.0	15.422	36.008	26.656	8.92	440.0	9.886	35.200	27.128	8.93					
195.0	15.304	35.994	26.672	8.93	445.0	9.872	35.198	27.129	8.93					
200.0	15.044	35.966	26.708	8.95	450.0	9.804	35.187	27.132	8.93					
205.0	14.853	35.918	26.713	8.96	455.0	9.750	35.182	27.137	8.93					
210.0	14.531	35.883	26.757	8.95	460.0	9.684	35.175	27.142	8.94					
215.0	14.307	35.851	26.780	8.94	465.0	9.675	35.173	27.143	8.93					
220.0	14.108	35.817	26.796	8.95	470.0	9.627	35.166	27.146	8.93					
225.0	13.939	35.789	26.811	8.94	475.0	9.539	35.156	27.152	8.92					
230.0	13.799	35.768	26.824	8.95	480.0	9.470	35.144	27.155	8.92					
235.0	13.626	35.739	26.838	8.96	485.0	9.407	35.135	27.158	8.93					
240.0	13.553	35.730	26.846	8.94	490.0	9.374	35.136	27.164	8.93					
245.0	13.456	35.714	26.854	8.97										
250.0	13.342	35.699	26.865	8.94										



CRUISE: 88G05 STATION: S88G05*0031*DD DATE: 21 OCT
GMT: 5: 25 PM LATITUDE: 27 42.1 . LONGITUDE: 95 29.9

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*31*1 DATE 22OCT88 GMT 0511 LAT 27 42.3 LON 95 29.4 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.55	202.4	14.48	402.5	10.08	602.4	8.68	802.2	8.86						
7.5	26.58	207.3	14.38	407.5	9.99	607.5	8.70	807.5	8.86						
12.6	26.59	212.3	14.19	412.3	9.91	612.3	8.70	812.7	8.87						
17.5	26.59	217.6	13.88	417.3	9.80	617.5	8.71	817.6	8.87						
22.4	26.59	222.5	13.68	422.4	9.73	622.6	8.72	822.5	8.87						
27.5	26.71	227.5	13.52	427.5	9.66	627.5	8.72								
32.4	26.68	232.5	13.45	432.5	9.64	632.3	8.73								
37.3	26.69	237.5	13.40	437.6	9.61	637.4	8.74								
42.5	26.75	242.4	13.31	442.6	9.59	642.6	8.74								
47.4	26.78	247.4	13.25	447.4	9.58	647.4	8.75								
52.3	26.71	252.4	13.13	452.5	9.56	652.3	8.75								
57.5	26.42	257.4	12.95	457.5	9.52	657.4	8.75								
62.7	25.81	262.3	12.84	462.3	9.48	662.6	8.76								
67.5	25.03	267.3	12.71	467.4	9.47	667.4	8.77								
72.4	24.01	272.3	12.58	472.4	9.42	672.3	8.77								
77.7	23.21	277.3	12.39	477.5	9.39	677.5	8.78								
82.5	22.46	282.3	12.10	482.6	9.35	682.6	8.78								
87.4	21.98	287.3	11.90	487.4	9.30	687.5	8.79								
92.3	21.27	292.6	11.77	492.5	9.23	692.3	8.79								
97.3	20.72	297.6	11.68	497.5	9.15	697.5	8.80								
102.5	20.41	302.6	11.61	502.3	9.07	702.7	8.80								
107.4	19.95	307.6	11.57	507.4	9.03	707.5	8.81								
112.3	19.48	312.3	11.54	512.5	8.87	712.4	8.81								
117.5	19.08	317.3	11.50	517.3	8.65	717.2	8.81								
122.4	18.87	322.3	11.47	522.4	8.64	722.5	8.82								
127.4	18.67	327.3	11.35	527.5	8.63	727.7	8.82								
132.6	18.42	332.3	11.09	532.3	8.62	732.5	8.82								
137.5	18.21	337.4	10.99	537.4	8.62	737.4	8.83								
142.4	18.03	342.4	10.91	542.5	8.62	742.2	8.83								
147.4	17.75	347.4	10.75	547.3	8.62	747.5	8.84								
152.3	17.49	352.4	10.60	552.4	8.62	752.7	8.84								
157.6	17.06	357.5	10.56	557.5	8.62	757.5	8.84								
162.5	16.59	362.5	10.55	562.3	8.63	762.4	8.85								
167.4	16.15	367.5	10.49	567.4	8.63	767.3	8.85								
172.4	16.01	372.6	10.41	572.6	8.64	772.2	8.85								
177.3	15.77	377.6	10.30	577.4	8.64	777.4	8.85								
182.6	15.39	382.6	10.24	582.5	8.65	782.6	8.85								
187.5	15.10	387.3	10.20	587.6	8.66	787.5	8.86								
192.5	14.96	392.4	10.16	592.4	8.66	792.4	8.86								
197.4	14.63	397.4	10.14	597.2	8.67	797.3	8.86								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*32*1 DATE 21OCT88 GMT 0840 LAT 27 22.4 LON 95 30.0 OPERATOR

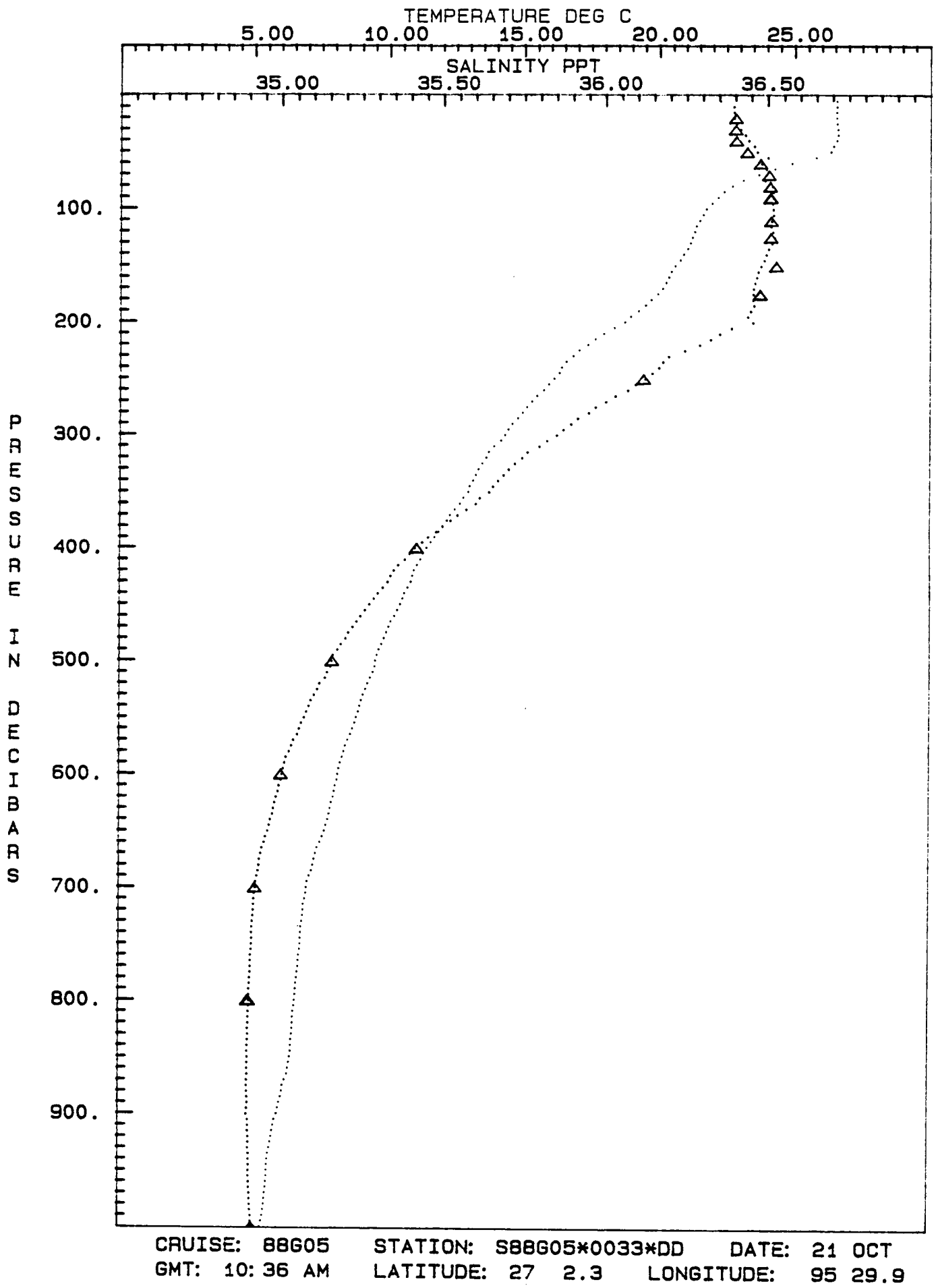
Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.53	202.4	17.48	402.5	11.08	602.4	7.72	802.2	6.00				
7.5	26.55	207.3	17.19	407.5	10.92	607.5	7.66	807.5	5.96				
12.6	26.54	212.3	16.92	412.3	10.86	612.3	7.59	812.7	5.88				
17.5	26.55	217.6	16.72	417.3	10.77	617.5	7.54	817.6	5.81				
22.4	26.53	222.5	16.57	422.4	10.71	622.6	7.48	822.5	5.77				
27.5	26.51	227.5	16.36	427.5	10.61	627.5	7.47						
32.4	26.51	232.5	16.14	432.5	10.52	632.3	7.40						
37.3	26.52	237.5	16.02	437.6	10.47	637.4	7.29						
42.5	26.52	242.4	15.74	442.6	10.38	642.6	7.22						
47.4	26.53	247.4	15.50	447.4	10.30	647.4	7.16						
52.3	26.39	252.4	15.34	452.5	10.15	652.3	7.13						
57.5	25.36	257.4	15.24	457.5	10.04	657.4	7.12						
62.7	24.53	262.3	15.07	462.3	9.90	662.6	7.10						
67.5	23.80	267.3	14.88	467.4	9.82	667.4	7.00						
72.4	23.16	272.3	14.70	472.4	9.78	672.3	6.92						
77.7	22.94	277.3	14.46	477.5	9.76	677.5	6.87						
82.5	22.63	282.3	14.36	482.6	9.72	682.6	6.84						
87.4	22.32	287.3	14.24	487.4	9.60	687.5	6.76						
92.3	22.15	292.6	14.05	492.5	9.43	692.3	6.70						
97.3	21.95	297.6	13.93	497.5	9.38	697.5	6.64						
102.5	21.69	302.6	13.78	502.3	9.26	702.7	6.60						
107.4	21.47	307.6	13.52	507.4	9.14	707.5	6.56						
112.3	21.30	312.3	13.38	512.5	9.08	712.4	6.52						
117.5	21.19	317.3	13.28	517.3	9.02	717.2	6.50						
122.4	21.10	322.3	13.18	522.4	8.91	722.5	6.45						
127.4	20.95	327.3	13.03	527.5	8.81	727.7	6.43						
132.6	20.86	332.3	12.90	532.3	8.69	732.5	6.38						
137.5	20.74	337.4	12.72	537.4	8.59	737.4	6.35						
142.4	20.58	342.4	12.56	542.5	8.49	742.2	6.33						
147.4	20.33	347.4	12.42	547.3	8.42	747.5	6.30						
152.3	20.22	352.4	12.32	552.4	8.32	752.7	6.26						
157.6	19.98	357.5	12.18	557.5	8.23	757.5	6.25						
162.5	19.69	362.5	12.09	562.3	8.18	762.4	6.24						
167.4	19.46	367.5	11.94	567.4	8.13	767.3	6.23						
172.4	19.23	372.6	11.82	572.6	8.09	772.2	6.22						
177.3	19.02	377.6	11.70	577.4	8.03	777.4	6.16						
182.6	18.53	382.6	11.61	582.5	7.98	782.6	6.07						
187.5	18.32	387.3	11.52	587.6	7.89	787.5	6.05						
192.5	18.06	392.4	11.37	592.4	7.86	792.4	6.03						
197.4	17.82	397.4	11.24	597.2	7.77	797.3	6.02						

STATION S88G05*0033*DD CRUISE 88G05 DATE 21 OCT GMT 10:36 AM LAT 27 2.3 LON 95 29.9 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.538	36.343	23.880	8.91	255.0	15.895	36.083	26.607	8.98	505.0	9.487	35.146	27.153	8.97
10.0	26.540	36.385	23.911	8.91	260.0	15.716	36.060	26.630	8.98	510.0	9.420	35.135	27.156	8.97
15.0	26.537	36.385	23.912	8.91	265.0	15.461	36.022	26.658	8.98	515.0	9.317	35.129	27.168	8.97
20.0	26.534	36.387	23.913	8.91	270.0	15.277	35.993	26.677	8.98	520.0	9.221	35.112	27.171	8.98
25.0	26.547	36.393	23.915	8.91	275.0	15.095	35.961	26.693	8.98	525.0	9.144	35.105	27.178	8.97
30.0	26.573	36.406	23.916	8.91	280.0	14.927	35.940	26.714	8.96	530.0	9.058	35.095	27.184	8.97
35.0	26.585	36.421	23.923	8.91	285.0	14.760	35.906	26.724	8.96	535.0	8.985	35.085	27.188	8.98
40.0	26.541	36.431	23.945	8.90	290.0	14.551	35.885	26.754	8.97	540.0	8.927	35.079	27.192	8.98
45.0	26.415	36.449	23.998	8.90	295.0	14.404	35.862	26.768	8.97	545.0	8.881	35.072	27.194	8.98
50.0	26.315	36.458	24.037	8.90	300.0	14.282	35.841	26.778	8.97	550.0	8.806	35.065	27.200	8.97
55.0	25.771	36.491	24.232	8.89	305.0	14.133	35.812	26.787	8.97	555.0	8.741	35.056	27.204	8.97
60.0	24.871	36.471	24.494	8.87	310.0	13.878	35.788	26.823	8.97	560.0	8.670	35.049	27.210	8.97
65.0	24.247	36.486	24.695	8.85	315.0	13.686	35.751	26.834	8.97	565.0	8.596	35.044	27.217	8.97
70.0	23.651	36.485	24.872	8.86	320.0	13.593	35.734	26.841	8.97	570.0	8.495	35.032	27.224	8.98
75.0	23.081	36.482	25.037	8.87	325.0	13.443	35.712	26.855	8.98	575.0	8.402	35.026	27.233	8.98
80.0	22.678	36.505	25.170	8.87	330.0	13.305	35.693	26.868	8.98	580.0	8.347	35.019	27.237	8.97
85.0	22.370	36.508	25.260	8.90	335.0	13.204	35.677	26.877	8.97	585.0	8.289	35.009	27.237	8.97
90.0	22.154	36.508	25.322	8.92	340.0	13.108	35.660	26.883	8.97	590.0	8.217	35.005	27.245	8.97
95.0	21.929	36.506	25.384	8.93	345.0	12.979	35.644	26.897	8.97	595.0	8.163	35.000	27.250	8.97
100.0	21.713	36.507	25.446	8.94	350.0	12.933	35.633	26.898	8.97	600.0	8.129	34.997	27.252	8.97
105.0	21.603	36.508	25.478	8.94	355.0	12.751	35.604	26.912	8.97	605.0	8.096	34.994	27.255	8.97
110.0	21.474	36.502	25.509	8.95	360.0	12.615	35.592	26.929	8.97	610.0	8.031	34.988	27.260	8.97
115.0	21.342	36.501	25.544	8.96	365.0	12.431	35.563	26.943	8.97	615.0	7.999	34.985	27.263	8.97
120.0	21.288	36.507	25.564	8.96	370.0	12.253	35.536	26.958	8.97	620.0	7.960	34.979	27.263	8.97
125.0	21.200	36.512	25.592	8.96	375.0	12.142	35.514	26.962	8.97	625.0	7.892	34.974	27.270	8.97
130.0	21.136	36.504	25.603	8.97	380.0	11.975	35.490	26.975	8.96	630.0	7.842	34.970	27.275	8.97
135.0	21.031	36.493	25.624	8.96	385.0	11.831	35.470	26.987	8.96	635.0	7.813	34.968	27.277	8.97
140.0	20.875	36.486	25.661	8.96	390.0	11.681	35.445	26.996	8.97	640.0	7.764	34.961	27.279	8.97
145.0	20.757	36.480	25.689	8.90	395.0	11.546	35.427	27.008	8.98	645.0	7.694	34.957	27.286	8.97
150.0	20.553	36.470	25.735	8.89	400.0	11.388	35.404	27.019	8.98	650.0	7.637	34.953	27.291	8.97
155.0	20.428	36.461	25.764	8.89	405.0	11.262	35.388	27.030	8.98	655.0	7.563	34.946	27.297	8.97
160.0	20.330	36.457	25.787	8.89	410.0	11.162	35.374	27.037	8.98	660.0	7.478	34.942	27.306	8.97
165.0	20.229	36.452	25.810	8.92	415.0	11.044	35.353	27.043	8.98	665.0	7.368	34.935	27.316	8.97
170.0	20.100	36.447	25.841	8.95	420.0	10.925	35.339	27.054	8.98	670.0	7.316	34.932	27.321	8.97
175.0	19.931	36.446	25.885	8.94	425.0	10.874	35.330	27.056	8.98	675.0	7.261	34.927	27.325	8.97
180.0	19.681	36.445	25.951	8.94	430.0	10.815	35.321	27.059	8.98	680.0	7.217	34.926	27.330	8.97
185.0	19.473	36.449	26.008	8.95	435.0	10.702	35.306	27.068	8.98	685.0	7.171	34.923	27.335	8.97
190.0	19.218	36.439	26.066	8.97	440.0	10.579	35.291	27.078	8.98	690.0	7.080	34.920	27.345	8.97
195.0	18.926	36.429	26.134	8.98	445.0	10.507	35.279	27.082	8.98	695.0	7.007	34.916	27.352	8.97
200.0	18.707	36.446	26.203	8.98	450.0	10.422	35.265	27.086	8.98	700.0	6.979	34.915	27.355	8.97
205.0	18.328	36.379	26.248	8.98	455.0	10.313	35.251	27.094	8.98	705.0	6.959	34.912	27.355	8.97
210.0	17.938	36.343	26.318	8.98	460.0	10.210	35.232	27.102	8.98	710.0	6.921	34.910	27.359	8.97
215.0	17.622	36.315	26.374	8.98	465.0	10.078	35.225	27.115	8.98	715.0	6.874	34.910	27.365	8.97
220.0	17.345	36.282	26.416	8.98	470.0	9.993	35.213	27.120	8.97	720.0	6.866	34.909	27.366	8.97
225.0	17.027	36.235	26.458	8.98	475.0	9.914	35.199	27.123	8.97	725.0	6.854	34.908	27.366	8.97
230.0	16.802	36.186	26.473	8.98	480.0	9.825	35.192	27.132	8.97	730.0	6.818	34.906	27.370	8.97
235.0	16.549	36.168	26.519	8.98	485.0	9.736	35.177	27.136	8.97	735.0	6.792	34.905	27.373	8.97
240.0	16.375	36.156	26.551	8.98	490.0	9.632	35.167	27.145	8.97	740.0	6.776	34.904	27.375	8.97
245.0	16.296	36.135	26.553	8.98	495.0	9.565	35.153	27.146	8.97	745.0	6.761	34.905	27.377	8.97
250.0	16.100	36.113	26.582	8.98	500.0	9.507	35.149	27.152	8.97	750.0	6.756	34.904	27.377	8.97

STATION S88G05*0033*DD CRUISE 88G05 DATE 21 OCT GMT 10:36 AM LAT 27 2.3 LON 95 29.9 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.738	34.903	27.379	8.97	1005.0	5.252	34.910	27.574	8.99	1255.0	4.547	34.941	27.681	9.00
760.0	6.706	34.901	27.382	8.97	1010.0	5.241	34.910	27.575	8.99	1260.0	4.536	34.942	27.682	9.00
765.0	6.690	34.901	27.384	8.97	1015.0	5.207	34.909	27.579	8.99	1265.0	4.526	34.942	27.684	9.00
770.0	6.678	34.900	27.385	8.97	1020.0	5.169	34.912	27.586	9.00	1270.0	4.521	34.943	27.685	9.00
775.0	6.650	34.900	27.388	8.97	1025.0	5.164	34.912	27.586	8.99	1275.0	4.514	34.943	27.686	9.00
780.0	6.632	34.898	27.389	8.97	1030.0	5.139	34.913	27.590	9.00	1280.0	4.502	34.944	27.688	9.00
785.0	6.601	34.898	27.393	8.97	1035.0	5.116	34.914	27.594	9.00	1285.0	4.492	34.944	27.689	9.00
790.0	6.587	34.897	27.394	8.97	1040.0	5.090	34.914	27.597	9.00	1290.0	4.480	34.945	27.691	9.00
795.0	6.578	34.896	27.395	8.97	1045.0	5.058	34.917	27.603	9.00	1295.0	4.471	34.945	27.692	9.00
800.0	6.556	34.896	27.398	8.97	1050.0	5.018	34.920	27.610	9.00	1300.0	4.466	34.946	27.693	9.00
805.0	6.542	34.896	27.400	8.97	1055.0	4.997	34.920	27.612	9.00	1305.0	4.463	34.946	27.693	9.00
810.0	6.507	34.895	27.403	8.97	1060.0	4.991	34.920	27.613	9.00	1310.0	4.462	34.946	27.693	9.00
815.0	6.491	34.894	27.405	8.97	1065.0	4.987	34.920	27.613	9.00	1315.0	4.460	34.946	27.694	9.00
820.0	6.484	34.894	27.406	8.97	1070.0	4.983	34.919	27.614	9.00	1320.0	4.451	34.946	27.695	9.00
825.0	6.470	34.893	27.407	8.98	1075.0	4.952	34.922	27.619	9.00	1325.0	4.448	34.947	27.696	9.00
830.0	6.456	34.893	27.409	8.98	1080.0	4.933	34.922	27.622	9.00	1330.0	4.446	34.947	27.696	9.00
835.0	6.437	34.893	27.411	8.98	1085.0	4.926	34.922	27.622	9.00	1335.0	4.445	34.947	27.696	9.00
840.0	6.420	34.893	27.413	8.98	1090.0	4.916	34.923	27.624	9.00	1340.0	4.444	34.947	27.696	9.00
845.0	6.414	34.892	27.414	8.98	1095.0	4.892	34.924	27.628	9.00	1345.0	4.441	34.947	27.697	9.00
850.0	6.387	34.892	27.417	8.98	1100.0	4.871	34.925	27.631	9.00	1350.0	4.433	34.947	27.698	9.00
855.0	6.357	34.892	27.421	8.98	1105.0	4.856	34.926	27.634	8.99	1355.0	4.428	34.948	27.699	9.00
860.0	6.318	34.892	27.426	8.98	1110.0	4.844	34.926	27.635	8.99	1360.0	4.424	34.948	27.699	9.00
865.0	6.281	34.892	27.431	8.98	1115.0	4.829	34.927	27.637	9.00					
870.0	6.191	34.891	27.442	8.98	1120.0	4.809	34.928	27.641	9.00					
875.0	6.113	34.890	27.451	8.99	1125.0	4.786	34.929	27.644	9.00					
880.0	6.098	34.891	27.454	8.99	1130.0	4.771	34.929	27.646	9.00					
885.0	6.059	34.892	27.460	8.99	1135.0	4.758	34.930	27.648	9.00					
890.0	5.991	34.893	27.469	8.99	1140.0	4.744	34.931	27.651	9.00					
895.0	5.951	34.892	27.474	8.99	1145.0	4.736	34.932	27.652	9.00					
900.0	5.910	34.890	27.477	8.99	1150.0	4.725	34.932	27.653	9.00					
905.0	5.820	34.894	27.492	8.99	1155.0	4.717	34.933	27.655	9.00					
910.0	5.779	34.895	27.498	8.99	1160.0	4.717	34.932	27.655	9.00					
915.0	5.742	34.895	27.502	8.99	1165.0	4.702	34.933	27.656	9.00					
920.0	5.706	34.896	27.509	8.99	1170.0	4.684	34.934	27.659	8.99					
925.0	5.679	34.897	27.512	8.99	1175.0	4.682	34.934	27.660	8.99					
930.0	5.639	34.895	27.516	8.99	1180.0	4.679	34.935	27.660	8.99					
935.0	5.597	34.897	27.523	8.99	1185.0	4.673	34.935	27.661	8.99					
940.0	5.559	34.898	27.527	8.99	1190.0	4.667	34.935	27.662	8.99					
945.0	5.548	34.898	27.529	9.00	1195.0	4.666	34.935	27.662	8.99					
950.0	5.545	34.898	27.529	9.00	1200.0	4.661	34.935	27.663	8.99					
955.0	5.540	34.897	27.530	8.99	1205.0	4.655	34.936	27.664	8.99					
960.0	5.521	34.898	27.533	8.99	1210.0	4.648	34.936	27.665	8.99					
965.0	5.507	34.899	27.535	8.99	1215.0	4.628	34.938	27.669	8.99					
970.0	5.482	34.900	27.539	8.99	1220.0	4.623	34.937	27.669	8.99					
975.0	5.457	34.901	27.543	8.99	1225.0	4.608	34.938	27.671	9.00					
980.0	5.441	34.902	27.545	8.99	1230.0	4.600	34.939	27.673	9.00					
985.0	5.420	34.902	27.548	8.99	1235.0	4.589	34.939	27.674	9.00					
990.0	5.387	34.905	27.554	8.99	1240.0	4.580	34.940	27.676	9.00					
995.0	5.353	34.905	27.558	8.99	1245.0	4.566	34.940	27.678	9.00					
1000.0	5.302	34.907	27.566	8.99	1250.0	4.558	34.940	27.678	9.00					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CRUISE: 88G05 STATION: S88G05*0033*DD DATE: 21 OCT
GMT: 10:36 AM LATITUDE: 27 2.3 LONGITUDE: 95 29.9

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*33*1 DATE 210CT88 GMT 1028 LAT 27 2.9 LON 95 29.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.42	202.4	17.95	402.5	10.94	602.4	7.79	802.2	6.23						
7.5	26.50	207.3	17.58	407.5	10.87	607.5	7.76	807.5	6.20						
12.6	26.49	212.3	17.27	412.3	10.79	612.3	7.72	812.7	6.19						
17.5	26.49	217.6	16.93	417.3	10.72	617.5	7.67	817.6	6.17						
22.4	26.49	222.5	16.70	422.4	10.64	622.6	7.61	822.5	6.16						
27.5	26.49	227.5	16.44	427.5	10.59	627.5	7.57								
32.4	26.49	232.5	16.24	432.5	10.46	632.3	7.53								
37.3	26.50	237.5	16.09	437.6	10.33	637.4	7.49								
42.5	26.51	242.4	15.98	442.6	10.23	642.6	7.47								
47.4	26.41	247.4	15.86	447.4	10.19	647.4	7.44								
52.3	26.29	252.4	15.62	452.5	10.13	652.3	7.34								
57.5	25.63	257.4	15.37	457.5	10.03	657.4	7.27								
62.7	24.74	262.3	15.17	462.3	9.91	662.6	7.24								
67.5	24.21	267.3	14.93	467.4	9.81	667.4	7.16								
72.4	23.37	272.3	14.78	472.4	9.69	672.3	7.12								
77.7	22.71	277.3	14.58	477.5	9.61	677.5	7.03								
82.5	22.50	282.3	14.43	482.6	9.52	682.6	6.97								
87.4	22.25	287.3	14.36	487.4	9.44	687.5	6.91								
92.3	22.01	292.6	14.22	492.5	9.39	692.3	6.84								
97.3	21.80	297.6	14.03	497.5	9.28	697.5	6.79								
102.5	21.50	302.6	13.92	502.3	9.21	702.7	6.74								
107.4	21.39	307.6	13.70	507.4	9.14	707.5	6.69								
112.3	21.25	312.3	13.52	512.5	9.08	712.4	6.64								
117.5	21.15	317.3	13.32	517.3	9.02	717.2	6.59								
122.4	21.05	322.3	13.20	522.4	8.96	722.5	6.55								
127.4	21.01	327.3	13.05	527.5	8.91	727.7	6.52								
132.6	20.92	332.3	12.90	532.3	8.85	732.5	6.49								
137.5	20.70	337.4	12.82	537.4	8.76	737.4	6.45								
142.4	20.55	342.4	12.72	542.5	8.67	742.2	6.42								
147.4	20.43	347.4	12.67	547.3	8.60	747.5	6.40								
152.3	20.32	352.4	12.57	552.4	8.54	752.7	6.38								
157.6	20.11	357.5	12.37	557.5	8.48	757.5	6.37								
162.5	20.01	362.5	12.23	562.3	8.42	762.4	6.35								
167.4	19.88	367.5	12.09	567.4	8.30	767.3	6.32								
172.4	19.68	372.6	11.86	572.6	8.21	772.2	6.32								
177.3	19.43	377.6	11.73	577.4	8.14	777.4	6.32								
182.6	19.24	382.6	11.56	582.5	8.08	782.6	6.31								
187.5	19.03	387.3	11.44	587.6	7.98	787.5	6.30								
192.5	18.69	392.4	11.29	592.4	7.90	792.4	6.28								
197.4	18.39	397.4	11.12	597.2	7.84	797.3	6.25								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*34*1 DATE 21OCT88 GMT 1504 LAT 26 39.8 LON 95 29.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.49	202.4	18.32	402.5	11.31	602.4	7.95	802.2	5.99						
7.5	26.46	207.3	18.11	407.5	11.18	607.5	7.92	807.5	5.98						
12.6	26.45	212.3	17.95	412.3	11.06	612.3	7.86	812.7	5.94						
17.5	26.44	217.6	17.64	417.3	10.98	617.5	7.83	817.6	5.92						
22.4	26.45	222.5	17.43	422.4	10.85	622.6	7.77	822.5	5.89						
27.5	26.44	227.5	17.17	427.5	10.76	627.5	7.73								
32.4	26.44	232.5	16.89	432.5	10.65	632.3	7.69								
37.3	26.42	237.5	16.62	437.6	10.54	637.4	7.59								
42.5	26.40	242.4	16.33	442.6	10.35	642.6	7.49								
47.4	26.37	247.4	16.09	447.4	10.26	647.4	7.43								
52.3	25.72	252.4	15.97	452.5	10.18	652.3	7.38								
57.5	24.82	257.4	15.78	457.5	10.11	657.4	7.31								
62.7	24.25	262.3	15.56	462.3	10.04	662.6	7.25								
67.5	23.73	267.3	15.32	467.4	9.98	667.4	7.19								
72.4	23.23	272.3	15.09	472.4	9.82	672.3	7.16								
77.7	22.77	277.3	14.93	477.5	9.70	677.5	7.08								
82.5	22.52	282.3	14.73	482.6	9.60	682.6	7.00								
87.4	22.38	287.3	14.48	487.4	9.55	687.5	6.95								
92.3	22.26	292.6	14.23	492.5	9.46	692.3	6.89								
97.3	22.08	297.6	14.05	497.5	9.41	697.5	6.83								
102.5	21.91	302.6	13.94	502.3	9.33	702.7	6.77								
107.4	21.72	307.6	13.87	507.4	9.24	707.5	6.71								
112.3	21.61	312.3	13.76	512.5	9.18	712.4	6.68								
117.5	21.45	317.3	13.60	517.3	9.12	717.2	6.66								
122.4	21.33	322.3	13.44	522.4	9.03	722.5	6.63								
127.4	21.23	327.3	13.26	527.5	8.98	727.7	6.59								
132.6	21.19	332.3	13.08	532.3	8.91	732.5	6.53								
137.5	21.09	337.4	12.95	537.4	8.85	737.4	6.51								
142.4	21.00	342.4	12.79	542.5	8.70	742.2	6.49								
147.4	20.87	347.4	12.65	547.3	8.58	747.5	6.43								
152.3	20.69	352.4	12.46	552.4	8.53	752.7	6.38								
157.6	20.42	357.5	12.35	557.5	8.49	757.5	6.36								
162.5	20.10	362.5	12.22	562.3	8.47	762.4	6.33								
167.4	19.86	367.5	12.14	567.4	8.39	767.3	6.31								
172.4	19.57	372.6	11.99	572.6	8.32	772.2	6.27								
177.3	19.42	377.6	11.87	577.4	8.26	777.4	6.24								
182.6	19.28	382.6	11.80	582.5	8.20	782.6	6.20								
187.5	19.04	387.3	11.68	587.6	8.11	787.5	6.17								
192.5	18.82	392.4	11.63	592.4	8.08	792.4	6.10								
197.4	18.54	397.4	11.49	597.2	7.99	797.3	6.05								

STATION S88G05*0035*DD CRUISE 88G05 DATE 21 OCT GMT 4:54 PM LAT 26 20.3 LON 95 29.7 DEPTH OFFSET 0.0

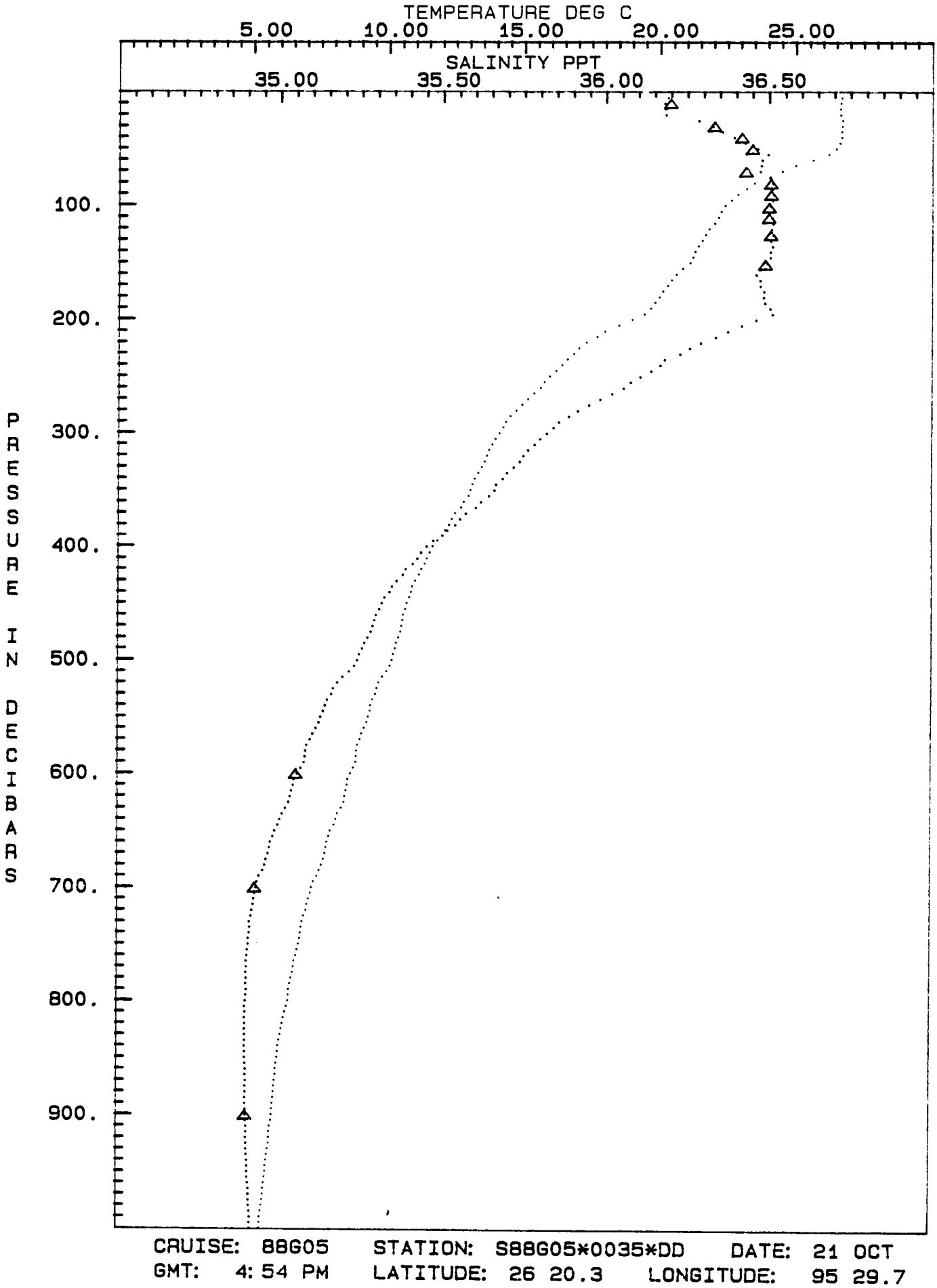
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.668	36.179	23.714	8.90	255.0	15.730	36.066	26.631	8.97	505.0	10.062	35.220	27.114	8.97
10.0	26.627	36.168	23.719	8.89	260.0	15.593	36.045	26.646	8.97	510.0	9.942	35.204	27.122	8.97
15.0	26.618	36.170	23.723	8.89	265.0	15.348	36.010	26.674	8.97	515.0	9.778	35.185	27.135	8.97
20.0	26.620	36.173	23.725	8.89	270.0	15.125	35.973	26.696	8.97	520.0	9.648	35.168	27.144	8.97
25.0	26.700	36.275	23.777	8.88	275.0	14.909	35.939	26.717	8.97	525.0	9.579	35.156	27.145	8.97
30.0	26.687	36.318	23.813	8.88	280.0	14.685	35.904	26.740	8.98	530.0	9.524	35.151	27.151	8.97
35.0	26.663	36.347	23.843	8.89	285.0	14.473	35.877	26.764	8.98	535.0	9.427	35.138	27.156	8.97
40.0	26.666	36.383	23.869	8.89	290.0	14.312	35.847	26.776	8.98	540.0	9.356	35.131	27.163	8.96
45.0	26.599	36.417	23.916	8.89	295.0	14.212	35.830	26.784	8.97	545.0	9.326	35.126	27.164	8.96
50.0	26.459	36.455	23.989	8.89	300.0	14.070	35.809	26.799	8.97	550.0	9.270	35.117	27.166	8.97
55.0	26.186	36.487	24.100	8.89	305.0	13.925	35.789	26.814	8.97	555.0	9.217	35.113	27.172	8.96
60.0	25.609	36.469	24.266	8.89	310.0	13.820	35.772	26.823	8.96	560.0	9.121	35.103	27.180	8.97
65.0	24.961	36.467	24.464	8.90	315.0	13.693	35.752	26.833	8.96	565.0	9.028	35.094	27.188	8.97
70.0	24.476	36.463	24.609	8.89	320.0	13.614	35.737	26.839	8.95	570.0	8.970	35.086	27.190	8.97
75.0	24.039	36.493	24.762	8.87	325.0	13.532	35.727	26.848	8.96	575.0	8.881	35.075	27.197	8.97
80.0	23.449	36.503	24.945	8.88	330.0	13.423	35.708	26.856	8.96	580.0	8.840	35.072	27.201	8.97
85.0	23.165	36.503	25.028	8.88	335.0	13.298	35.687	26.865	8.96	585.0	8.836	35.070	27.200	8.97
90.0	22.841	36.506	25.124	8.89	340.0	13.174	35.674	26.880	8.96	590.0	8.820	35.067	27.200	8.97
95.0	22.611	36.502	25.187	8.91	345.0	13.091	35.653	26.881	8.97	595.0	8.731	35.058	27.207	8.97
100.0	22.379	36.496	25.249	8.89	350.0	13.016	35.649	26.893	8.97	600.0	8.622	35.047	27.215	8.97
105.0	22.235	36.501	25.294	8.91	355.0	12.945	35.632	26.895	8.97	605.0	8.523	35.037	27.223	8.97
110.0	22.138	36.499	25.320	8.92	360.0	12.770	35.608	26.911	8.97	610.0	8.498	35.034	27.225	8.97
115.0	22.001	36.503	25.362	8.94	365.0	12.673	35.592	26.919	8.97	615.0	8.452	35.028	27.228	8.97
120.0	21.785	36.499	25.419	8.95	370.0	12.457	35.562	26.937	8.97	620.0	8.413	35.024	27.231	8.97
125.0	21.657	36.504	25.459	8.95	375.0	12.334	35.544	26.948	8.97	625.0	8.388	35.020	27.231	8.97
130.0	21.538	36.496	25.486	8.96	380.0	12.226	35.529	26.957	8.97	630.0	8.289	35.010	27.238	8.97
135.0	21.399	36.502	25.529	8.96	385.0	12.087	35.505	26.965	8.97	635.0	8.146	35.000	27.252	8.97
140.0	21.271	36.495	25.560	8.97	390.0	11.975	35.490	26.976	8.97	640.0	8.092	34.993	27.255	8.97
145.0	21.197	36.495	25.580	8.97	395.0	11.805	35.462	26.986	8.97	645.0	8.017	34.987	27.261	8.97
150.0	21.094	36.485	25.601	8.97	400.0	11.623	35.441	27.004	8.97	650.0	7.889	34.978	27.273	8.97
155.0	20.813	36.466	25.664	8.97	405.0	11.524	35.424	27.009	8.97	655.0	7.834	34.972	27.277	8.97
160.0	20.586	36.452	25.714	8.97	410.0	11.425	35.413	27.020	8.97	660.0	7.766	34.965	27.281	8.97
165.0	20.409	36.464	25.771	8.97	415.0	11.343	35.398	27.023	8.97	665.0	7.731	34.961	27.284	8.97
170.0	20.262	36.465	25.811	8.98	420.0	11.208	35.377	27.032	8.97	670.0	7.696	34.957	27.286	8.97
175.0	20.085	36.476	25.867	8.98	425.0	11.128	35.368	27.039	8.97	675.0	7.638	34.951	27.289	8.97
180.0	19.955	36.475	25.900	8.98	430.0	10.988	35.349	27.050	8.97	680.0	7.565	34.942	27.297	8.97
185.0	19.797	36.479	25.945	8.98	435.0	10.876	35.335	27.060	8.97	685.0	7.479	34.940	27.304	8.97
190.0	19.644	36.495	25.998	8.98	440.0	10.835	35.328	27.062	8.97	690.0	7.400	34.929	27.307	8.98
195.0	19.404	36.502	26.066	8.98	445.0	10.773	35.313	27.061	8.97	695.0	7.274	34.923	27.320	8.98
200.0	18.965	36.452	26.141	8.98	450.0	10.674	35.304	27.071	8.97	700.0	7.195	34.920	27.329	8.98
205.0	18.475	36.408	26.233	8.98	455.0	10.623	35.296	27.075	8.97	705.0	7.166	34.917	27.331	8.98
210.0	17.967	36.365	26.327	8.98	460.0	10.547	35.286	27.080	8.97	710.0	7.091	34.914	27.338	8.98
215.0	17.670	36.328	26.373	8.98	465.0	10.525	35.282	27.081	8.97	715.0	7.040	34.912	27.344	8.98
220.0	17.276	36.282	26.433	8.98	470.0	10.483	35.276	27.084	8.97	720.0	7.011	34.908	27.345	8.98
225.0	17.003	36.248	26.473	8.98	475.0	10.449	35.271	27.085	8.97	725.0	6.924	34.906	27.355	8.98
230.0	16.818	36.218	26.494	8.98	480.0	10.371	35.260	27.091	8.97	730.0	6.866	34.900	27.359	8.98
235.0	16.576	36.171	26.515	8.98	485.0	10.289	35.251	27.099	8.97	735.0	6.829	34.901	27.365	8.98
240.0	16.380	36.157	26.551	8.98	490.0	10.247	35.245	27.101	8.97	740.0	6.805	34.900	27.367	8.98
245.0	16.162	36.129	26.580	8.98	495.0	10.178	35.235	27.106	8.97	745.0	6.780	34.898	27.369	8.98
250.0	15.929	36.096	26.608	8.98	500.0	10.132	35.229	27.109	8.97	750.0	6.741	34.897	27.374	8.98

STATION S88G05*0035*DD CRUISE 88G05 DATE 21 OCT GMT 4:54 PM LAT 26 20.3 LON 95 29.7 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.686	34.895	27.379	8.98	1005.0	5.297	34.907	27.566	8.99	1255.0	4.544	34.942	27.681	9.00
760.0	6.632	34.893	27.385	8.98	1010.0	5.292	34.907	27.567	8.99	1260.0	4.537	34.942	27.682	9.00
765.0	6.572	34.891	27.392	8.98	1015.0	5.286	34.907	27.568	8.99	1265.0	4.524	34.942	27.684	9.00
770.0	6.545	34.892	27.396	8.98	1020.0	5.274	34.907	27.569	8.99	1270.0	4.510	34.943	27.686	9.00
775.0	6.510	34.890	27.399	8.98	1025.0	5.253	34.908	27.573	8.99	1275.0	4.506	34.943	27.687	9.00
780.0	6.463	34.891	27.406	8.98	1030.0	5.232	34.909	27.576	8.99	1280.0	4.497	34.944	27.688	9.00
785.0	6.412	34.890	27.412	8.98	1035.0	5.219	34.909	27.578	8.99	1285.0	4.486	34.945	27.690	9.00
790.0	6.373	34.892	27.419	8.98	1040.0	5.208	34.910	27.580	9.00	1290.0	4.481	34.945	27.691	9.00
795.0	6.367	34.891	27.419	8.98	1045.0	5.195	34.911	27.582	9.00	1295.0	4.469	34.946	27.693	9.01
800.0	6.349	34.889	27.420	8.98	1050.0	5.179	34.911	27.584	9.00	1300.0	4.454	34.946	27.695	9.00
805.0	6.292	34.886	27.425	8.98	1055.0	5.149	34.913	27.589	9.00	1305.0	4.438	34.948	27.698	9.01
810.0	6.242	34.887	27.433	8.98	1060.0	5.118	34.914	27.594	9.00	1310.0	4.432	34.948	27.698	9.01
815.0	6.186	34.886	27.439	8.97	1065.0	5.105	34.915	27.595	9.00	1315.0	4.428	34.948	27.698	9.01
820.0	6.147	34.888	27.445	8.97	1070.0	5.087	34.915	27.598	9.00	1320.0	4.424	34.948	27.699	9.01
825.0	6.105	34.887	27.450	8.97	1075.0	5.058	34.916	27.603	9.00	1325.0	4.419	34.948	27.700	9.01
830.0	6.072	34.887	27.455	8.97	1080.0	5.037	34.918	27.606	8.99	1330.0	4.407	34.949	27.702	9.01
835.0	6.029	34.887	27.460	8.98	1085.0	5.028	34.918	27.607	8.99	1335.0	4.402	34.949	27.703	9.01
840.0	5.989	34.887	27.465	8.97	1090.0	5.009	34.918	27.610	8.99	1340.0	4.398	34.949	27.704	9.01
845.0	5.973	34.887	27.468	8.97	1095.0	4.987	34.920	27.614	8.99	1345.0	4.391	34.950	27.704	9.01
850.0	5.960	34.887	27.469	8.98	1100.0	4.968	34.921	27.616	8.99	1350.0	4.385	34.950	27.705	9.01
855.0	5.927	34.888	27.474	8.98	1105.0	4.956	34.921	27.618	9.00	1355.0	4.382	34.950	27.706	9.01
860.0	5.903	34.890	27.479	8.98	1110.0	4.944	34.922	27.620	8.99	1360.0	4.378	34.950	27.706	9.01
865.0	5.895	34.890	27.479	8.98	1115.0	4.925	34.923	27.623	8.99	1365.0	4.372	34.951	27.708	9.01
870.0	5.866	34.890	27.483	8.98	1120.0	4.908	34.923	27.625	8.99	1370.0	4.367	34.951	27.708	9.01
875.0	5.844	34.889	27.485	8.98	1125.0	4.897	34.924	27.627	8.99	1375.0	4.361	34.951	27.709	9.01
880.0	5.822	34.890	27.488	8.98	1130.0	4.882	34.924	27.629	8.99	1380.0	4.357	34.951	27.709	9.01
885.0	5.807	34.889	27.490	8.98	1135.0	4.860	34.925	27.633	9.00	1385.0	4.353	34.952	27.710	9.01
890.0	5.789	34.889	27.492	8.98	1140.0	4.845	34.926	27.635	9.00	1390.0	4.344	34.952	27.712	9.01
895.0	5.770	34.890	27.495	8.98	1145.0	4.830	34.927	27.637	9.00	1395.0	4.338	34.953	27.713	9.01
900.0	5.758	34.890	27.497	8.98	1150.0	4.822	34.927	27.638	9.00	1400.0	4.331	34.953	27.714	9.01
905.0	5.739	34.891	27.500	8.98	1155.0	4.805	34.928	27.641	9.00	1405.0	4.326	34.953	27.715	9.01
910.0	5.692	34.893	27.507	8.98	1160.0	4.787	34.929	27.643	9.00	1410.0	4.317	34.954	27.716	9.01
915.0	5.671	34.893	27.510	8.98	1165.0	4.769	34.930	27.646	9.00	1415.0	4.314	34.954	27.716	9.01
920.0	5.668	34.892	27.510	8.98	1170.0	4.751	34.931	27.650	9.00	1420.0	4.310	34.954	27.717	9.01
925.0	5.656	34.893	27.511	8.98	1175.0	4.742	34.931	27.651	9.00	1425.0	4.306	34.954	27.718	9.01
930.0	5.617	34.893	27.516	8.98	1180.0	4.735	34.932	27.652	9.00	1430.0	4.301	34.955	27.719	9.01
935.0	5.587	34.894	27.521	8.98	1185.0	4.728	34.932	27.653	9.00	1435.0	4.297	34.955	27.719	9.01
940.0	5.558	34.896	27.526	8.98	1190.0	4.709	34.933	27.656	9.00	1440.0	4.294	34.955	27.719	9.01
945.0	5.541	34.897	27.529	8.98	1195.0	4.690	34.934	27.659	9.00	1445.0	4.291	34.955	27.720	9.01
950.0	5.536	34.896	27.529	8.98	1200.0	4.670	34.935	27.662	9.00	1450.0	4.289	34.955	27.720	9.01
955.0	5.507	34.897	27.533	8.98	1205.0	4.658	34.936	27.664	9.00	1455.0	4.284	34.956	27.721	9.01
960.0	5.477	34.899	27.538	8.99	1210.0	4.646	34.936	27.666	9.00	1460.0	4.280	34.956	27.722	9.01
965.0	5.452	34.900	27.543	8.99	1215.0	4.636	34.937	27.667	9.00	1465.0	4.275	34.956	27.722	9.01
970.0	5.439	34.901	27.545	8.99	1220.0	4.627	34.937	27.668	9.00	1470.0	4.272	34.956	27.723	9.01
975.0	5.428	34.901	27.546	8.99	1225.0	4.615	34.938	27.670	9.00	1475.0	4.268	34.957	27.723	9.01
980.0	5.405	34.902	27.550	8.99	1230.0	4.603	34.938	27.672	9.00	1480.0	4.265	34.957	27.724	9.01
985.0	5.365	34.904	27.556	8.99	1235.0	4.586	34.939	27.675	9.01	1485.0	4.262	34.957	27.724	9.01
990.0	5.338	34.906	27.561	8.99	1240.0	4.572	34.940	27.677	9.01	1490.0	4.261	34.957	27.724	9.01
995.0	5.328	34.905	27.562	8.99	1245.0	4.563	34.941	27.678	9.00	1495.0	4.258	34.957	27.725	9.01
1000.0	5.314	34.906	27.564	8.99	1250.0	4.554	34.941	27.680	9.00	1500.0	4.255	34.957	27.725	9.01

STATION S88G05*0035*DD CRUISE 88G05 DATE 21 OCT GMT 4:54 PM LAT 26 20.3 LON 95 29.7 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1505.0	4.252	34.958	27.726	9.01										
1510.0	4.248	34.958	27.727	9.01										
1515.0	4.242	34.958	27.728	9.01										
1520.0	4.237	34.959	27.728	9.00										
1525.0	4.230	34.959	27.729	9.00										
1530.0	4.229	34.959	27.729	9.00										
1535.0	4.229	34.959	27.729	9.00										
1540.0	4.230	34.959	27.729	9.00										


TEMPERATURE DEG C
5.00
10.00
15.00
20.00
25.00
SALINITY PPT
35.00
35.50
36.00
36.50
100.
200.
300.
400.
500.
600.
700.
800.
900.
PRESSURE IN DECIBARS
CRUISE: 88G05 STATION: S88G05*0035*DD DATE: 21 OCT
GMT: 4:54 PM LATITUDE: 26 20.3 LONGITUDE: 95 29.7

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*035*1 DATE 21OCT88 GMT 1646 LAT 26 20.8 LON 95 30.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.64	202.4	17.96	402.5	11.23	602.4	8.37	802.2	6.09						
7.5	26.62	207.3	17.62	407.5	11.10	607.5	8.32	807.5	6.07						
12.6	26.61	212.3	17.43	412.3	10.99	612.3	8.25	812.7	6.03						
17.5	26.60	217.6	17.12	417.3	10.94	617.5	8.16	817.6	5.99						
22.4	26.62	222.5	16.84	422.4	10.87	622.6	8.07	822.5	5.93						
27.5	26.66	227.5	16.44	427.5	10.81	627.5	8.04								
32.4	26.59	232.5	16.20	432.5	10.69	632.3	7.98								
37.3	26.56	237.5	15.92	437.6	10.56	637.4	7.92								
42.5	26.52	242.4	15.71	442.6	10.50	642.6	7.87								
47.4	26.40	247.4	15.57	447.4	10.45	647.4	7.88								
52.3	26.18	252.4	15.35	452.5	10.37	652.3	7.85								
57.5	25.50	257.4	15.12	457.5	10.33	657.4	7.73								
62.7	24.70	262.3	14.84	462.3	10.27	662.6	7.63								
67.5	24.18	267.3	14.67	467.4	10.17	667.4	7.59								
72.4	23.92	272.3	14.49	472.4	10.10	672.3	7.52								
77.7	23.32	277.3	14.39	477.5	10.06	677.5	7.43								
82.5	23.03	282.3	14.22	482.6	10.02	682.6	7.33								
87.4	22.78	287.3	14.00	487.4	9.93	687.5	7.28								
92.3	22.54	292.6	13.91	492.5	9.83	692.3	7.17								
97.3	22.40	297.6	13.77	497.5	9.76	697.5	7.08								
102.5	22.21	302.6	13.58	502.3	9.72	702.7	7.04								
107.4	22.06	307.6	13.45	507.4	9.63	707.5	7.00								
112.3	21.92	312.3	13.39	512.5	9.53	712.4	6.88								
117.5	21.73	317.3	13.33	517.3	9.48	717.2	6.83								
122.4	21.51	322.3	13.16	522.4	9.42	722.5	6.76								
127.4	21.38	327.3	13.01	527.5	9.37	727.7	6.69								
132.6	21.21	332.3	12.88	532.3	9.31	732.5	6.64								
137.5	21.02	337.4	12.80	537.4	9.19	737.4	6.54								
142.4	20.90	342.4	12.72	542.5	9.12	742.2	6.48								
147.4	20.76	347.4	12.60	547.3	9.06	747.5	6.46								
152.3	20.57	352.4	12.46	552.4	8.95	752.7	6.42								
157.6	20.36	357.5	12.34	557.5	8.88	757.5	6.37								
162.5	20.22	362.5	12.19	562.3	8.82	762.4	6.34								
167.4	20.03	367.5	12.08	567.4	8.74	767.3	6.32								
172.4	19.88	372.6	11.97	572.6	8.63	772.2	6.28								
177.3	19.75	377.6	11.82	577.4	8.59	777.4	6.25								
182.6	19.59	382.6	11.68	582.5	8.58	782.6	6.22								
187.5	19.28	387.3	11.62	587.6	8.52	787.5	6.18								
192.5	18.91	392.4	11.48	592.4	8.42	792.4	6.15								
197.4	18.45	397.4	11.36	597.2	8.40	797.3	6.12								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*36*1 DATE 21OCT88 GMT 2154 LAT 26 .3 LON 95 30.1 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.43	202.4	18.84	402.5	11.41	602.4	8.17	802.2	6.03						
7.5	26.51	207.3	18.56	407.5	11.30	607.5	8.13	807.5	5.98						
12.6	26.50	212.3	18.41	412.3	11.22	612.3	8.10	812.7	5.96						
17.5	26.43	217.6	18.16	417.3	11.11	617.5	8.05	817.6	5.94						
22.4	26.29	222.5	17.91	422.4	11.03	622.6	7.94	822.5	5.90						
27.5	26.28	227.5	17.54	427.5	10.92	627.5	7.88								
32.4	26.27	232.5	17.25	432.5	10.84	632.3	7.81								
37.3	26.26	237.5	17.06	437.6	10.73	637.4	7.74								
42.5	26.24	242.4	16.72	442.6	10.64	642.6	7.69								
47.4	26.18	247.4	16.44	447.4	10.56	647.4	7.62								
52.3	26.16	252.4	16.22	452.5	10.42	652.3	7.57								
57.5	26.10	257.4	15.98	457.5	10.30	657.4	7.54								
62.7	26.06	262.3	15.75	462.3	10.21	662.6	7.49								
67.5	25.93	267.3	15.61	467.4	10.10	667.4	7.46								
72.4	25.31	272.3	15.40	472.4	10.01	672.3	7.40								
77.7	24.42	277.3	15.19	477.5	9.91	677.5	7.33								
82.5	23.99	282.3	15.01	482.6	9.84	682.6	7.29								
87.4	23.54	287.3	14.86	487.4	9.74	687.5	7.24								
92.3	23.15	292.6	14.64	492.5	9.66	692.3	7.15								
97.3	22.76	297.6	14.47	497.5	9.61	697.5	7.09								
102.5	22.40	302.6	14.24	502.3	9.57	702.7	7.06								
107.4	22.12	307.6	14.12	507.4	9.51	707.5	6.99								
112.3	21.90	312.3	13.98	512.5	9.41	712.4	6.95								
117.5	21.75	317.3	13.86	517.3	9.30	717.2	6.93								
122.4	21.61	322.3	13.75	522.4	9.21	722.5	6.92								
127.4	21.49	327.3	13.59	527.5	9.15	727.7	6.87								
132.6	21.36	332.3	13.46	532.3	9.10	732.5	6.82								
137.5	21.26	337.4	13.23	537.4	9.08	737.4	6.73								
142.4	21.18	342.4	13.08	542.5	9.04	742.2	6.70								
147.4	21.13	347.4	12.95	547.3	8.93	747.5	6.65								
152.3	21.06	352.4	12.79	552.4	8.75	752.7	6.55								
157.6	20.92	357.5	12.55	557.5	8.69	757.5	6.50								
162.5	20.73	362.5	12.42	562.3	8.63	762.4	6.48								
167.4	20.52	367.5	12.30	567.4	8.58	767.3	6.42								
172.4	20.22	372.6	12.07	572.6	8.50	772.2	6.34								
177.3	19.89	377.6	11.97	577.4	8.43	777.4	6.29								
182.6	19.57	382.6	11.90	582.5	8.41	782.6	6.22								
187.5	19.33	387.3	11.78	587.6	8.33	787.5	6.15								
192.5	19.19	392.4	11.66	592.4	8.30	792.4	6.12								
197.4	19.03	397.4	11.54	597.2	8.23	797.3	6.07								

STATION S88G05*0037*DD CRUISE 88G05 DATE 21 OCT GMT 11:58 PM LAT 25 40.3 LON 95 30.4 DEPTH OFFSET 0.0

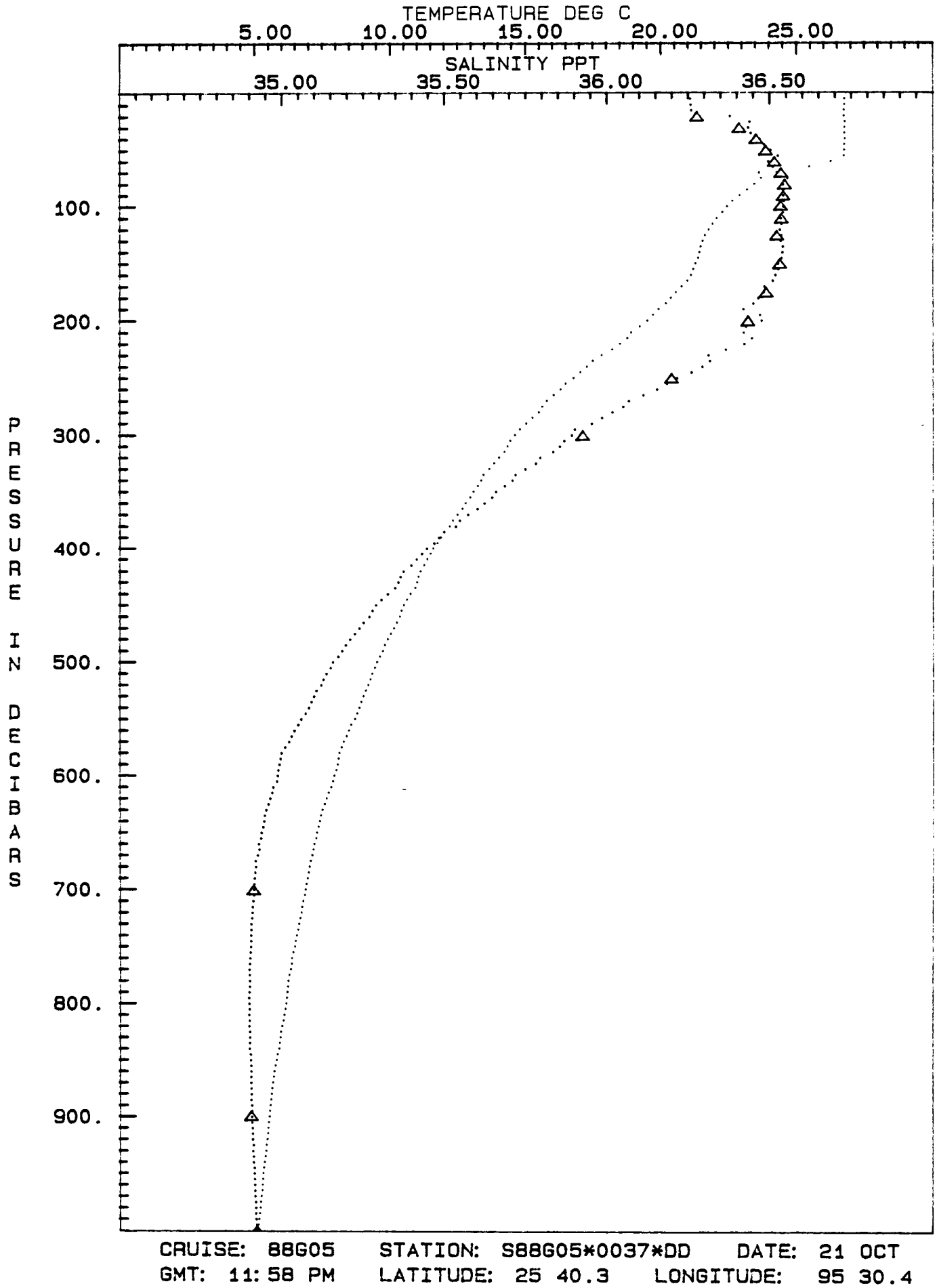
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.747	36.246	23.740	8.89	255.0	16.473	36.175	26.542	8.98	505.0	9.427	35.140	27.159	8.96
10.0	26.749	36.248	23.741	8.89	260.0	16.284	36.144	26.563	8.98	510.0	9.327	35.128	27.166	8.96
15.0	26.736	36.250	23.746	8.88	265.0	16.025	36.102	26.591	8.98	515.0	9.264	35.118	27.169	8.96
20.0	26.731	36.370	23.838	8.88	270.0	15.770	36.058	26.616	8.98	520.0	9.179	35.112	27.177	8.96
25.0	26.765	36.430	23.873	8.89	275.0	15.603	36.040	26.640	8.98	525.0	9.095	35.097	27.180	8.96
30.0	26.758	36.426	23.872	8.89	280.0	15.472	36.007	26.644	8.98	530.0	9.005	35.090	27.188	8.96
35.0	26.758	36.434	23.878	8.89	285.0	15.240	35.975	26.672	8.98	535.0	8.920	35.082	27.196	8.96
40.0	26.768	36.461	23.895	8.90	290.0	15.015	35.944	26.698	8.98	540.0	8.857	35.074	27.200	8.96
45.0	26.744	36.474	23.913	8.90	295.0	14.784	35.892	26.708	8.98	545.0	8.776	35.063	27.204	8.96
50.0	26.744	36.494	23.928	8.90	300.0	14.591	35.882	26.743	8.98	550.0	8.690	35.050	27.208	8.96
55.0	26.736	36.517	23.947	8.90	305.0	14.425	35.859	26.761	8.98	555.0	8.544	35.041	27.223	8.96
60.0	26.241	36.486	24.082	8.88	310.0	14.326	35.845	26.772	8.97	560.0	8.471	35.029	27.225	8.96
65.0	25.445	36.501	24.341	8.88	315.0	14.216	35.825	26.780	8.97	565.0	8.382	35.021	27.232	8.96
70.0	24.254	36.459	24.672	8.90	320.0	14.004	35.785	26.794	8.97	570.0	8.274	35.013	27.243	8.96
75.0	23.679	36.545	24.909	8.91	325.0	13.827	35.772	26.821	8.97	575.0	8.198	35.001	27.245	8.97
80.0	23.440	36.532	24.969	8.91	330.0	13.649	35.739	26.833	8.97	580.0	8.118	34.990	27.248	8.97
85.0	23.167	36.532	25.049	8.92	335.0	13.436	35.708	26.854	8.97	585.0	8.085	34.987	27.251	8.97
90.0	22.900	36.533	25.128	8.92	340.0	13.356	35.700	26.863	8.97	590.0	8.057	34.984	27.253	8.97
95.0	22.629	36.535	25.207	8.93	345.0	13.230	35.676	26.871	8.98	595.0	8.005	34.980	27.258	8.97
100.0	22.429	36.533	25.263	8.93	350.0	13.066	35.649	26.883	8.98	600.0	7.936	34.979	27.267	8.97
105.0	22.257	36.532	25.312	8.94	355.0	12.942	35.637	26.899	8.98	605.0	7.891	34.976	27.272	8.97
110.0	22.050	36.525	25.365	8.94	360.0	12.773	35.614	26.915	8.98	610.0	7.817	34.964	27.273	8.97
115.0	21.895	36.527	25.409	8.94	365.0	12.663	35.592	26.920	8.98	615.0	7.721	34.961	27.285	8.97
120.0	21.749	36.522	25.447	8.94	370.0	12.475	35.563	26.935	8.98	620.0	7.650	34.955	27.291	8.97
125.0	21.615	36.527	25.489	8.95	375.0	12.308	35.538	26.948	8.98	625.0	7.577	34.949	27.297	8.97
130.0	21.528	36.524	25.510	8.95	380.0	12.191	35.526	26.962	8.98	630.0	7.497	34.943	27.303	8.97
135.0	21.457	36.531	25.536	8.95	385.0	11.994	35.490	26.971	8.98	635.0	7.435	34.938	27.309	8.97
140.0	21.402	36.530	25.550	8.96	390.0	11.858	35.474	26.985	8.98	640.0	7.396	34.936	27.313	8.97
145.0	21.358	36.527	25.560	8.96	395.0	11.746	35.459	26.995	8.98	645.0	7.348	34.933	27.317	8.97
150.0	21.260	36.517	25.579	8.97	400.0	11.586	35.437	27.008	8.98	650.0	7.292	34.928	27.321	8.97
155.0	21.174	36.517	25.603	8.97	405.0	11.491	35.421	27.014	8.98	655.0	7.267	34.927	27.324	8.97
160.0	21.100	36.508	25.617	8.97	410.0	11.367	35.406	27.024	8.98	660.0	7.201	34.921	27.328	8.97
165.0	20.963	36.500	25.648	8.97	415.0	11.252	35.389	27.032	8.98	665.0	7.161	34.921	27.334	8.97
170.0	20.750	36.474	25.687	8.97	420.0	11.111	35.365	27.040	8.98	670.0	7.121	34.917	27.337	8.97
175.0	20.536	36.473	25.743	8.97	425.0	11.029	35.355	27.048	8.98	675.0	7.059	34.910	27.340	8.97
180.0	20.352	36.456	25.780	8.97	430.0	10.985	35.349	27.051	8.97	680.0	7.023	34.911	27.346	8.97
185.0	20.167	36.441	25.818	8.96	435.0	10.913	35.339	27.055	8.97	685.0	6.991	34.908	27.348	8.97
190.0	19.896	36.410	25.867	8.94	440.0	10.738	35.316	27.070	8.97	690.0	6.942	34.907	27.354	8.97
195.0	19.692	36.461	25.960	8.97	445.0	10.611	35.296	27.077	8.97	695.0	6.899	34.906	27.359	8.97
200.0	19.477	36.466	26.020	8.98	450.0	10.495	35.280	27.085	8.97	700.0	6.872	34.905	27.362	8.97
205.0	19.200	36.418	26.055	8.96	455.0	10.411	35.269	27.091	8.97	705.0	6.842	34.904	27.365	8.97
210.0	18.882	36.411	26.132	8.97	460.0	10.348	35.260	27.095	8.97	710.0	6.787	34.902	27.371	8.97
215.0	18.752	36.437	26.184	8.97	465.0	10.232	35.242	27.101	8.97	715.0	6.744	34.900	27.375	8.97
220.0	18.477	36.413	26.236	8.97	470.0	10.124	35.229	27.110	8.97	720.0	6.721	34.899	27.378	8.98
225.0	18.185	36.356	26.266	8.98	475.0	10.009	35.215	27.119	8.97	725.0	6.673	34.898	27.384	8.98
230.0	17.797	36.303	26.322	8.98	480.0	9.900	35.201	27.126	8.97	730.0	6.627	34.896	27.389	8.97
235.0	17.472	36.307	26.405	8.98	485.0	9.794	35.187	27.134	8.97	735.0	6.591	34.896	27.394	8.98
240.0	17.254	36.284	26.440	8.98	490.0	9.719	35.176	27.138	8.97	740.0	6.543	34.895	27.399	8.98
245.0	17.015	36.250	26.472	8.97	495.0	9.611	35.164	27.147	8.97	745.0	6.497	34.895	27.405	8.98
250.0	16.762	36.206	26.498	8.98	500.0	9.503	35.148	27.152	8.96	750.0	6.470	34.895	27.408	8.97

STATION S88G05*0037*DD CRUISE 88G05 DATE 21 OCT GMT 11:58 PM LAT 25 40.3 LON 95 30.4 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM
755.0	6.408	34.894	27.416	8.98
760.0	6.364	34.892	27.420	8.98
765.0	6.351	34.892	27.421	8.98
770.0	6.318	34.890	27.425	8.98
775.0	6.263	34.891	27.432	8.98
780.0	6.225	34.891	27.438	8.98
785.0	6.211	34.891	27.439	8.98
790.0	6.191	34.890	27.442	8.98
795.0	6.170	34.889	27.443	8.98
800.0	6.149	34.889	27.446	8.98
805.0	6.113	34.890	27.451	8.98
810.0	6.072	34.890	27.456	8.98
815.0	6.049	34.890	27.460	8.98
820.0	5.996	34.890	27.466	8.98
825.0	5.953	34.892	27.474	8.98
830.0	5.938	34.892	27.475	8.98
835.0	5.911	34.892	27.479	8.98
840.0	5.889	34.891	27.481	8.98
845.0	5.837	34.894	27.490	8.98
850.0	5.796	34.895	27.496	8.98
855.0	5.750	34.896	27.502	8.98
860.0	5.711	34.896	27.507	8.98
865.0	5.693	34.896	27.510	8.98
870.0	5.662	34.896	27.513	8.98
875.0	5.629	34.897	27.518	8.98
880.0	5.614	34.897	27.521	8.98
885.0	5.595	34.897	27.522	8.98
890.0	5.570	34.898	27.527	8.98
895.0	5.548	34.899	27.530	8.98
900.0	5.538	34.898	27.530	8.98
905.0	5.506	34.899	27.535	8.99
910.0	5.489	34.900	27.538	8.98
915.0	5.480	34.901	27.540	8.98
920.0	5.450	34.901	27.543	8.98
925.0	5.424	34.903	27.548	8.99
930.0	5.415	34.902	27.549	8.99
935.0	5.381	34.904	27.554	8.99
940.0	5.350	34.904	27.558	8.99
945.0	5.321	34.907	27.563	8.99
950.0	5.304	34.907	27.565	8.99
955.0	5.291	34.907	27.568	8.99
960.0	5.276	34.908	27.570	8.99
965.0	5.258	34.908	27.572	8.99
970.0	5.236	34.908	27.575	8.99
975.0	5.216	34.910	27.579	8.99
980.0	5.198	34.911	27.582	8.99
985.0	5.178	34.911	27.584	8.99
990.0	5.153	34.912	27.588	8.99
995.0	5.126	34.913	27.592	8.99
1000.0	5.111	34.914	27.595	8.99

DEPTH	TEMP	SALT	SIGMA-T	XSM
1005.0	5.097	34.915	27.597	8.99
1010.0	5.082	34.916	27.599	8.99
1015.0	5.076	34.915	27.599	8.99
1020.0	5.047	34.917	27.604	8.99
1025.0	5.022	34.918	27.608	8.99
1030.0	5.002	34.919	27.611	8.99
1035.0	4.988	34.920	27.614	8.99
1040.0	4.970	34.921	27.616	8.98
1045.0	4.948	34.922	27.620	8.98
1050.0	4.938	34.923	27.622	8.98
1055.0	4.916	34.922	27.623	8.98
1060.0	4.898	34.925	27.628	8.99
1065.0	4.877	34.926	27.631	8.99
1070.0	4.855	34.927	27.634	8.98
1075.0	4.838	34.927	27.636	8.98
1080.0	4.823	34.929	27.639	8.98
1085.0	4.815	34.929	27.640	8.99
1090.0	4.807	34.928	27.640	8.99
1095.0	4.795	34.928	27.642	8.99
1100.0	4.789	34.930	27.644	8.98
1105.0	4.766	34.929	27.646	8.98
1110.0	4.757	34.931	27.649	8.99
1115.0	4.749	34.932	27.650	8.99
1120.0	4.741	34.932	27.652	8.98
1125.0	4.738	34.933	27.652	8.98
1130.0	4.733	34.933	27.653	8.98
1135.0	4.726	34.933	27.654	8.98
1140.0	4.708	34.933	27.656	8.98
1145.0	4.701	34.934	27.658	8.98
1150.0	4.691	34.934	27.659	8.98
1155.0	4.670	34.935	27.662	8.98
1160.0	4.653	34.937	27.665	8.98
1165.0	4.638	34.937	27.667	9.00
1170.0	4.634	34.937	27.668	9.00
1175.0	4.613	34.937	27.670	9.00
1180.0	4.603	34.939	27.673	8.99
1185.0	4.598	34.939	27.674	8.99
1190.0	4.593	34.939	27.674	8.99
1195.0	4.587	34.940	27.675	8.99
1200.0	4.582	34.940	27.676	8.99
1205.0	4.575	34.940	27.677	8.99
1210.0	4.569	34.940	27.677	8.99
1215.0	4.565	34.941	27.678	8.99
1220.0	4.560	34.941	27.679	8.99
1225.0	4.552	34.940	27.679	8.99
1230.0	4.542	34.942	27.682	8.99
1235.0	4.541	34.942	27.682	8.99
1240.0	4.536	34.942	27.683	8.99
1245.0	4.529	34.943	27.684	8.99
1250.0	4.530	34.943	27.684	8.99

DEPTH	TEMP	SALT	SIGMA-T	XSM
1255.0	4.525	34.943	27.684	8.99
1260.0	4.515	34.944	27.686	8.99
1265.0	4.507	34.944	27.687	8.99
1270.0	4.500	34.945	27.689	8.99
1275.0	4.485	34.945	27.691	8.99
1280.0	4.460	34.947	27.695	8.99
1285.0	4.443	34.949	27.698	8.98
1290.0	4.442	34.948	27.698	8.99
1295.0	4.439	34.948	27.698	8.98
1300.0	4.437	34.948	27.698	8.99
1305.0	4.436	34.948	27.698	8.99
1310.0	4.434	34.948	27.699	8.99
1315.0	4.434	34.948	27.698	8.99
1320.0	4.435	34.948	27.698	8.99
1325.0	4.432	34.948	27.699	8.99
1330.0	4.428	34.948	27.699	8.99
1335.0	4.426	34.949	27.699	8.99
1340.0	4.423	34.949	27.700	8.99
1345.0	4.420	34.949	27.701	8.99
1350.0	4.420	34.949	27.701	8.99
1355.0	4.413	34.950	27.702	8.99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CRUISE: 88G05 STATION: S88G05*0037*DD DATE: 21 OCT
GMT: 11:58 PM LATITUDE: 25 40.3 LONGITUDE: 95 30.4

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*37*1 DATE 21OCT88 GMT 2346 LAT 25 40.0 LON 95 30.3 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.66	202.4	18.80	402.5	11.46	602.4	7.75	802.2	5.92						
7.5	26.73	207.3	18.66	407.5	11.33	607.5	7.66	807.5	5.89						
12.6	26.71	212.3	18.49	412.3	11.18	612.3	7.56	812.7	5.85						
17.5	26.67	217.6	18.19	417.3	11.05	617.5	7.54	817.6	5.82						
22.4	26.73	222.5	17.93	422.4	10.89	622.6	7.50	822.5	5.79						
27.5	26.76	227.5	17.60	427.5	10.73	627.5	7.44								
32.4	26.69	232.5	17.37	432.5	10.60	632.3	7.39								
37.3	26.70	237.5	17.10	437.6	10.55	637.4	7.31								
42.5	26.71	242.4	16.70	442.6	10.48	642.6	7.26								
47.4	26.69	247.4	16.51	447.4	10.39	647.4	7.18								
52.3	26.72	252.4	16.30	452.5	10.31	652.3	7.13								
57.5	26.70	257.4	16.14	457.5	10.19	657.4	7.08								
62.7	25.63	262.3	15.87	462.3	10.09	662.6	7.03								
67.5	24.37	267.3	15.64	467.4	9.96	667.4	6.93								
72.4	23.91	272.3	15.39	472.4	9.82	672.3	6.87								
77.7	23.48	277.3	15.25	477.5	9.72	677.5	6.81								
82.5	23.16	282.3	15.01	482.6	9.61	682.6	6.74								
87.4	22.87	287.3	14.82	487.4	9.55	687.5	6.70								
92.3	22.60	292.6	14.64	492.5	9.46	692.3	6.68								
97.3	22.38	297.6	14.42	497.5	9.40	697.5	6.66								
102.5	22.26	302.6	14.27	502.3	9.28	702.7	6.62								
107.4	22.05	307.6	14.06	507.4	9.16	707.5	6.61								
112.3	21.78	312.3	13.84	512.5	9.05	712.4	6.55								
117.5	21.59	317.3	13.69	517.3	8.97	717.2	6.53								
122.4	21.47	322.3	13.58	522.4	8.89	722.5	6.50								
127.4	21.39	327.3	13.33	527.5	8.81	727.7	6.47								
132.6	21.30	332.3	13.13	532.3	8.75	732.5	6.43								
137.5	21.24	337.4	13.01	537.4	8.63	737.4	6.40								
142.4	21.21	342.4	12.91	542.5	8.55	742.2	6.37								
147.4	21.14	347.4	12.73	547.3	8.51	747.5	6.32								
152.3	21.06	352.4	12.53	552.4	8.48	752.7	6.28								
157.6	20.98	357.5	12.47	557.5	8.45	757.5	6.23								
162.5	20.82	362.5	12.40	562.3	8.40	762.4	6.17								
167.4	20.57	367.5	12.27	567.4	8.32	767.3	6.15								
172.4	20.39	372.6	12.15	572.6	8.23	772.2	6.09								
177.3	20.20	377.6	12.07	577.4	8.15	777.4	6.07								
182.6	20.00	382.6	11.95	582.5	8.04	782.6	6.03								
187.5	19.77	387.3	11.81	587.6	7.91	787.5	6.00								
192.5	19.55	392.4	11.67	592.4	7.87	792.4	5.97								
197.4	19.23	397.4	11.55	597.2	7.82	797.3	5.95								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*38*1 DATE 22OCT88 GMT 0350 LAT 25 20.4 LON 95 29.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.44	202.4	18.26	402.5	10.67	602.4	7.61	802.2	5.84						
7.5	26.61	207.3	18.03	407.5	10.60	607.5	7.55	807.5	5.82						
12.6	26.61	212.3	17.75	412.3	10.52	612.3	7.49	812.7	5.78						
17.5	26.60	217.6	17.62	417.3	10.42	617.5	7.40	817.6	5.77						
22.4	26.66	222.5	17.51	422.4	10.36	622.6	7.36	822.5	5.74						
27.5	26.69	227.5	17.23	427.5	10.23	627.5	7.33								
32.4	26.65	232.5	16.95	432.5	10.08	632.3	7.33								
37.3	26.64	237.5	16.80	437.6	9.93	637.4	7.31								
42.5	26.62	242.4	16.54	442.6	9.80	642.6	7.22								
47.4	26.59	247.4	16.40	447.4	9.68	647.4	7.18								
52.3	26.56	252.4	16.20	452.5	9.57	652.3	7.09								
57.5	26.39	257.4	15.82	457.5	9.49	657.4	7.03								
62.7	25.58	262.3	15.51	462.3	9.40	662.6	6.96								
67.5	24.34	267.3	15.33	467.4	9.36	667.4	6.90								
72.4	23.78	272.3	15.05	472.4	9.32	672.3	6.85								
77.7	23.43	277.3	14.74	477.5	9.28	677.5	6.81								
82.5	23.20	282.3	14.61	482.6	9.22	682.6	6.78								
87.4	22.91	287.3	14.46	487.4	9.16	687.5	6.78								
92.3	22.70	292.6	14.30	492.5	9.10	692.3	6.79								
97.3	22.47	297.6	14.09	497.5	8.92	697.5	6.74								
102.5	22.28	302.6	13.91	502.3	8.81	702.7	6.62								
107.4	22.11	307.6	13.62	507.4	8.75	707.5	6.54								
112.3	21.91	312.3	13.37	512.5	8.71	712.4	6.45								
117.5	21.72	317.3	13.14	517.3	8.64	717.2	6.37								
122.4	21.48	322.3	13.03	522.4	8.55	722.5	6.33								
127.4	21.37	327.3	12.82	527.5	8.47	727.7	6.26								
132.6	21.28	332.3	12.68	532.3	8.39	732.5	6.24								
137.5	21.20	337.4	12.42	537.4	8.35	737.4	6.23								
142.4	21.12	342.4	12.25	542.5	8.31	742.2	6.19								
147.4	20.97	347.4	12.08	547.3	8.29	747.5	6.16								
152.3	20.70	352.4	12.01	552.4	8.21	752.7	6.09								
157.6	20.52	357.5	11.94	557.5	8.12	757.5	6.05								
162.5	20.43	362.5	11.81	562.3	8.08	762.4	6.03								
167.4	20.28	367.5	11.66	567.4	7.97	767.3	6.03								
172.4	20.06	372.6	11.50	572.6	7.89	772.2	6.01								
177.3	19.84	377.6	11.36	577.4	7.81	777.4	5.97								
182.6	19.56	382.6	11.17	582.5	7.77	782.6	5.90								
187.5	19.30	387.3	11.01	587.6	7.72	787.5	5.88								
192.5	18.90	392.4	10.91	592.4	7.68	792.4	5.86								
197.4	18.45	397.4	10.76	597.2	7.65	797.3	5.85								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*39*2 DATE 22OCT88 GMT 0542 LAT 24 59.8 LON 95 30.2 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.56	202.4	17.53	402.5	10.35	602.4	7.29	802.2	6.09						
7.5	26.76	207.3	17.24	407.5	10.18	607.5	7.26	807.5	6.06						
12.6	26.75	212.3	17.07	412.3	10.05	612.3	7.23	812.7	6.02						
17.5	26.73	217.6	16.76	417.3	9.93	617.5	7.19	817.6	5.97						
22.4	26.70	222.5	16.37	422.4	9.77	622.6	7.16	822.5	5.92						
27.5	26.63	227.5	16.07	427.5	9.62	627.5	7.14								
32.4	26.61	232.5	15.86	432.5	9.52	632.3	7.11								
37.3	26.60	237.5	15.62	437.6	9.40	637.4	7.09								
42.5	26.54	242.4	15.39	442.6	9.29	642.6	7.08								
47.4	26.29	247.4	15.10	447.4	9.18	647.4	7.07								
52.3	25.82	252.4	14.88	452.5	9.08	652.3	7.05								
57.5	25.47	257.4	14.61	457.5	9.00	657.4	7.00								
62.7	25.02	262.3	14.37	462.3	8.84	662.6	6.96								
67.5	24.66	267.3	14.25	467.4	8.79	667.4	6.93								
72.4	24.16	272.3	14.15	472.4	8.74	672.3	6.90								
77.7	23.62	277.3	14.11	477.5	8.65	677.5	6.87								
82.5	23.16	282.3	13.94	482.6	8.56	682.6	6.83								
87.4	22.67	287.3	13.92	487.4	8.54	687.5	6.82								
92.3	22.47	292.6	13.91	492.5	8.51	692.3	6.78								
97.3	22.23	297.6	13.76	497.5	8.48	697.5	6.74								
102.5	21.82	302.6	13.59	502.3	8.44	702.7	6.71								
107.4	21.72	307.6	13.20	507.4	8.35	707.5	6.68								
112.3	21.54	312.3	12.87	512.5	8.25	712.4	6.64								
117.5	21.22	317.3	12.67	517.3	8.17	717.2	6.61								
122.4	21.08	322.3	12.56	522.4	8.18	722.5	6.59								
127.4	20.84	327.3	12.37	527.5	8.12	727.7	6.56								
132.6	20.65	332.3	12.18	532.3	8.05	732.5	6.54								
137.5	20.50	337.4	12.08	537.4	7.95	737.4	6.51								
142.4	20.36	342.4	11.85	542.5	7.85	742.2	6.47								
147.4	20.17	347.4	11.79	547.3	7.77	747.5	6.42								
152.3	19.95	352.4	11.57	552.4	7.73	752.7	6.40								
157.6	19.72	357.5	11.43	557.5	7.67	757.5	6.39								
162.5	19.61	362.5	11.31	562.3	7.63	762.4	6.37								
167.4	19.35	367.5	11.23	567.4	7.60	767.3	6.31								
172.4	19.12	372.6	11.03	572.6	7.55	772.2	6.29								
177.3	18.97	377.6	10.90	577.4	7.47	777.4	6.25								
182.6	18.69	382.6	10.70	582.5	7.43	782.6	6.24								
187.5	18.48	387.3	10.61	587.6	7.37	787.5	6.21								
192.5	18.25	392.4	10.55	592.4	7.34	792.4	6.15								
197.4	17.92	397.4	10.48	597.2	7.31	797.3	6.12								

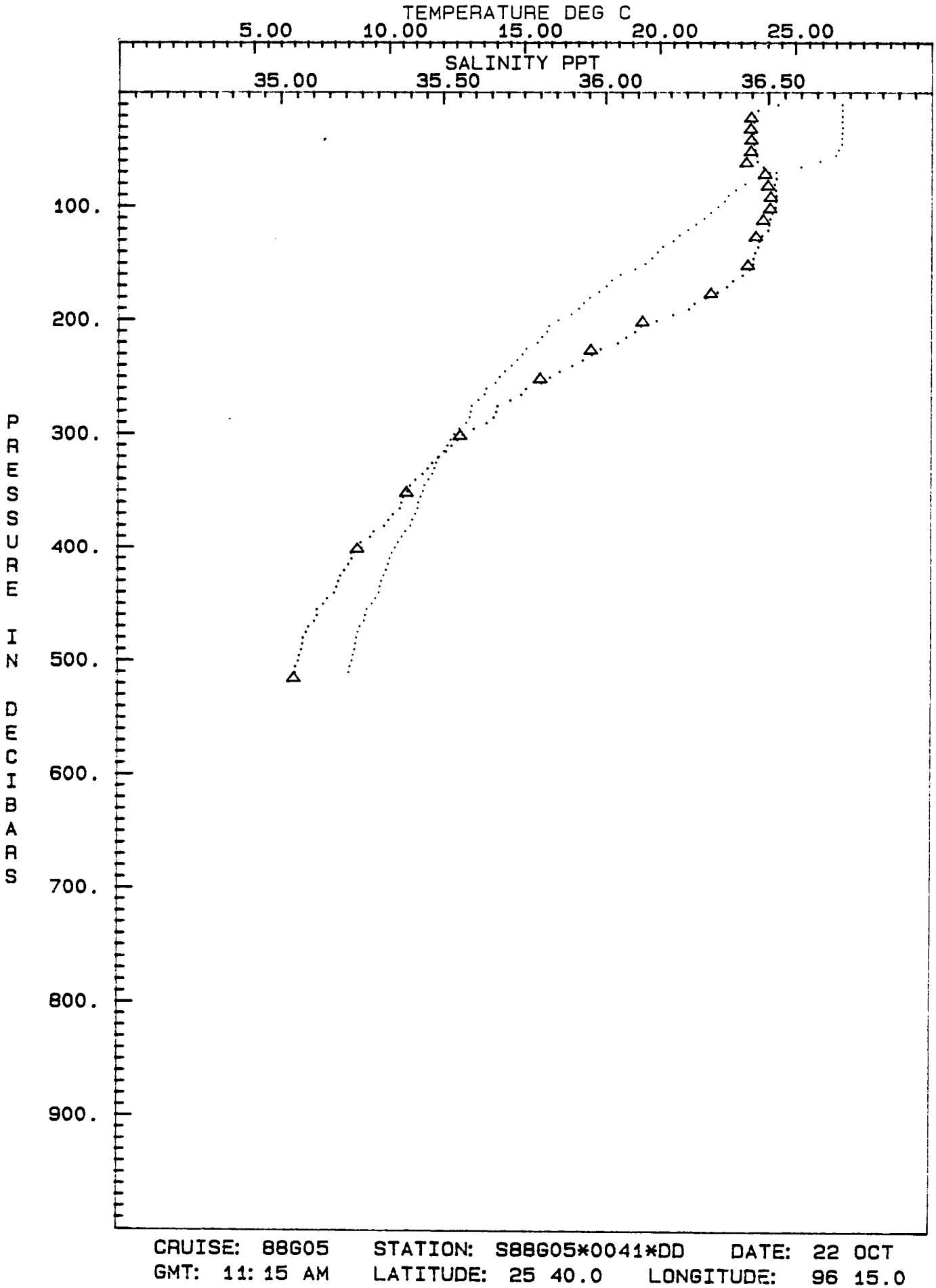
5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*40*1 DATE 22OCT88 GMT 0844 LAT 25 20.3 LON 95 53.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.34	202.4	18.35	402.5	10.76	602.4	7.45	802.2	5.74						
7.5	26.42	207.3	18.09	407.5	10.60	607.5	7.40	807.5	5.72						
12.6	26.42	212.3	17.64	412.3	10.38	612.3	7.35	812.7	5.71						
17.5	26.37	217.6	17.19	417.3	10.23	617.5	7.28	817.6	5.68						
22.4	26.33	222.5	16.90	422.4	10.14	622.6	7.24	822.5	5.66						
27.5	26.33	227.5	16.56	427.5	10.05	627.5	7.22								
32.4	26.31	232.5	16.32	432.5	10.03	632.3	7.18								
37.3	26.30	237.5	16.20	437.6	9.95	637.4	7.12								
42.5	26.29	242.4	16.01	442.6	9.81	642.6	7.10								
47.4	26.30	247.4	15.64	447.4	9.72	647.4	7.01								
52.3	26.30	252.4	15.49	452.5	9.62	652.3	6.92								
57.5	26.26	257.4	15.28	457.5	9.53	657.4	6.91								
62.7	26.17	262.3	15.17	462.3	9.42	662.6	6.88								
67.5	24.96	267.3	14.93	467.4	9.36	667.4	6.84								
72.4	24.08	272.3	14.72	472.4	9.28	672.3	6.82								
77.7	23.75	277.3	14.48	477.5	9.25	677.5	6.77								
82.5	23.20	282.3	14.33	482.6	9.16	682.6	6.69								
87.4	22.80	287.3	14.23	487.4	9.08	687.5	6.64								
92.3	22.61	292.6	13.96	492.5	9.03	692.3	6.60								
97.3	22.31	297.6	13.81	497.5	8.96	697.5	6.58								
102.5	21.92	302.6	13.68	502.3	8.89	702.7	6.54								
107.4	21.70	307.6	13.59	507.4	8.80	707.5	6.51								
112.3	21.52	312.3	13.43	512.5	8.77	712.4	6.49								
117.5	21.28	317.3	13.07	517.3	8.75	717.2	6.44								
122.4	21.11	322.3	12.90	522.4	8.66	722.5	6.37								
127.4	20.96	327.3	12.77	527.5	8.57	727.7	6.32								
132.6	20.79	332.3	12.63	532.3	8.49	732.5	6.26								
137.5	20.58	337.4	12.47	537.4	8.35	737.4	6.20								
142.4	20.41	342.4	12.38	542.5	8.27	742.2	6.16								
147.4	20.34	347.4	12.32	547.3	8.18	747.5	6.11								
152.3	20.19	352.4	12.25	552.4	8.09	752.7	6.05								
157.6	19.79	357.5	12.11	557.5	7.99	757.5	5.99								
162.5	19.63	362.5	12.02	562.3	7.94	762.4	5.97								
167.4	19.47	367.5	11.92	567.4	7.88	767.3	5.94								
172.4	19.36	372.6	11.82	572.6	7.82	772.2	5.92								
177.3	19.29	377.6	11.60	577.4	7.72	777.4	5.90								
182.6	18.95	382.6	11.36	582.5	7.66	782.6	5.88								
187.5	18.63	387.3	11.19	587.6	7.66	787.5	5.86								
192.5	18.59	392.4	11.11	592.4	7.65	792.4	5.83								
197.4	18.51	397.4	11.02	597.2	7.53	797.3	5.78								

STATION S88G05*0041*DD CRUISE 88G05 DATE 22 OCT GMT 11:15 AM LAT 25 40.0 LON 96 15.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
10.0	26.703	36.520	23.961	8.91	260.0	13.598	35.746	26.849	8.95	510.0	8.556	35.038	27.219	8.94
15.0	26.706	36.459	23.913	8.91	265.0	13.537	35.732	26.851	8.95					
20.0	26.708	36.447	23.904	8.91	270.0	13.315	35.698	26.871	8.95					
25.0	26.709	36.446	23.903	8.91	275.0	13.062	35.659	26.892	8.96					
30.0	26.710	36.445	23.902	8.91	280.0	13.031	35.655	26.895	8.96					
35.0	26.710	36.445	23.902	8.91	285.0	12.990	35.647	26.897	8.94					
40.0	26.705	36.446	23.904	8.91	290.0	12.867	35.625	26.905	8.92					
45.0	26.700	36.446	23.905	8.90	295.0	12.616	35.587	26.925	8.92					
50.0	26.575	36.450	23.949	8.89	300.0	12.427	35.553	26.936	8.93					
55.0	26.472	36.454	23.984	8.89	305.0	12.291	35.536	26.950	8.93					
60.0	25.893	36.457	24.168	8.88	310.0	12.182	35.518	26.958	8.94					
65.0	25.186	36.475	24.402	8.88	315.0	12.042	35.501	26.971	8.94					
70.0	24.278	36.493	24.691	8.88	320.0	11.867	35.477	26.986	8.94					
75.0	23.641	36.516	24.898	8.89	325.0	11.762	35.459	26.991	8.94					
80.0	23.140	36.510	25.040	8.89	330.0	11.699	35.445	26.993	8.94					
85.0	22.788	36.513	25.145	8.89	335.0	11.619	35.429	26.996	8.94					
90.0	22.521	36.515	25.223	8.90	340.0	11.484	35.407	27.004	8.94					
95.0	22.384	36.514	25.261	8.91	345.0	11.333	35.391	27.020	8.94					
100.0	22.139	36.512	25.330	8.91	350.0	11.277	35.383	27.024	8.95					
105.0	21.871	36.502	25.398	8.91	355.0	11.195	35.369	27.028	8.95					
110.0	21.632	36.496	25.460	8.91	360.0	11.108	35.365	27.040	8.94					
115.0	21.327	36.493	25.542	8.91	365.0	11.076	35.360	27.042	8.93					
120.0	21.036	36.490	25.620	8.92	370.0	10.995	35.338	27.040	8.93					
125.0	20.719	36.471	25.693	8.92	375.0	10.890	35.324	27.048	8.93					
130.0	20.494	36.463	25.747	8.93	380.0	10.820	35.311	27.051	8.93					
135.0	20.110	36.459	25.847	8.94	385.0	10.629	35.279	27.060	8.94					
140.0	19.910	36.450	25.893	8.94	390.0	10.497	35.268	27.075	8.94					
145.0	19.704	36.445	25.944	8.94	395.0	10.362	35.239	27.076	8.94					
150.0	19.457	36.443	26.008	8.94	400.0	10.250	35.242	27.098	8.94					
155.0	19.085	36.433	26.096	8.95	405.0	10.123	35.210	27.095	8.95					
160.0	18.546	36.412	26.218	8.95	410.0	10.053	35.212	27.108	8.95					
165.0	18.224	36.383	26.277	8.95	415.0	9.995	35.202	27.111	8.95					
170.0	18.031	36.364	26.311	8.96	420.0	9.921	35.189	27.114	8.94					
175.0	17.759	36.335	26.356	8.96	425.0	9.833	35.178	27.120	8.94					
180.0	17.425	36.298	26.409	8.96	430.0	9.750	35.172	27.129	8.94					
185.0	17.200	36.264	26.438	8.96	435.0	9.692	35.166	27.134	8.94					
190.0	17.018	36.247	26.469	8.96	440.0	9.657	35.158	27.134	8.94					
195.0	16.740	36.198	26.497	8.96	445.0	9.524	35.137	27.140	8.93					
200.0	16.251	36.147	26.573	8.96	450.0	9.406	35.125	27.151	8.93					
205.0	15.912	36.100	26.615	8.96	455.0	9.214	35.106	27.167	8.93					
210.0	15.840	36.081	26.617	8.96	460.0	9.159	35.106	27.176	8.93					
215.0	15.657	36.054	26.638	8.96	465.0	9.118	35.098	27.176	8.93					
220.0	15.492	36.029	26.656	8.96	470.0	8.960	35.080	27.187	8.94					
225.0	15.076	35.976	26.709	8.96	475.0	8.890	35.072	27.193	8.94					
230.0	14.931	35.949	26.720	8.96	480.0	8.831	35.063	27.195	8.95					
235.0	14.737	35.921	26.741	8.96	485.0	8.797	35.062	27.200	8.95					
240.0	14.539	35.889	26.759	8.94	490.0	8.762	35.058	27.202	8.95					
245.0	14.285	35.849	26.784	8.93	495.0	8.707	35.052	27.206	8.95					
250.0	14.090	35.820	26.803	8.94	500.0	8.671	35.048	27.209	8.94					
255.0	13.938	35.794	26.814	8.95	505.0	8.598	35.040	27.214	8.95					



CRUISE: 88G05 STATION: S88G05*0041*DD DATE: 22 OCT
GMT: 11:15 AM LATITUDE: 25 40.0 LONGITUDE: 96 15.0

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*41*1 DATE 22OCT88 GMT 1109 LAT 25 40.0 LON 96 14.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.57	202.4	15.95	402.5	10.01	602.4	7.68	802.2	7.83						
7.5	26.68	207.3	15.63	407.5	9.87	607.5	7.69	807.5	7.83						
12.6	26.67	212.3	15.46	412.3	9.78	612.3	7.69	812.7	7.84						
17.5	26.68	217.6	15.34	417.3	9.70	617.5	7.69	817.6	7.84						
22.4	26.67	222.5	15.13	422.4	9.61	622.6	7.69	822.5	7.84						
27.5	26.66	227.5	14.79	427.5	9.55	627.5	7.69								
32.4	26.65	232.5	14.45	432.5	9.47	632.3	7.69								
37.3	26.64	237.5	14.30	437.6	9.42	637.4	7.69								
42.5	26.59	242.4	14.10	442.6	9.34	642.6	7.69								
47.4	26.52	247.4	13.89	447.4	9.26	647.4	7.70								
52.3	26.43	252.4	13.68	452.5	9.21	652.3	7.70								
57.5	26.34	257.4	13.63	457.5	9.10	657.4	7.70								
62.7	25.55	262.3	13.46	462.3	9.04	662.6	7.71								
67.5	24.89	267.3	13.17	467.4	8.97	667.4	7.72								
72.4	23.81	272.3	12.98	472.4	8.91	672.3	7.71								
77.7	23.22	277.3	12.81	477.5	8.81	677.5	7.72								
82.5	22.81	282.3	12.72	482.6	8.74	682.6	7.72								
87.4	22.55	287.3	12.63	487.4	8.64	687.5	7.72								
92.3	22.40	292.6	12.53	492.5	8.55	692.3	7.73								
97.3	22.24	297.6	12.45	497.5	8.44	697.5	7.73								
102.5	21.96	302.6	12.28	502.3	8.37	702.7	7.74								
107.4	21.72	307.6	12.16	507.4	8.30	707.5	7.74								
112.3	21.37	312.3	12.07	512.5	8.22	712.4	7.75								
117.5	21.00	317.3	11.97	517.3	8.20	717.2	7.75								
122.4	20.66	322.3	11.76	522.4	8.16	722.5	7.75								
127.4	20.42	327.3	11.58	527.5	8.11	727.7	7.76								
132.6	20.04	332.3	11.48	532.3	8.09	732.5	7.76								
137.5	19.85	337.4	11.38	537.4	8.08	737.4	7.76								
142.4	19.61	342.4	11.30	542.5	8.06	742.2	7.77								
147.4	19.32	347.4	11.27	547.3	8.02	747.5	7.77								
152.3	19.03	352.4	11.17	552.4	8.00	752.7	7.77								
157.6	18.59	357.5	11.05	557.5	7.98	757.5	7.78								
162.5	18.28	362.5	10.96	562.3	7.96	762.4	7.78								
167.4	17.94	367.5	10.78	567.4	7.95	767.3	7.78								
172.4	17.53	372.6	10.57	572.6	7.92	772.2	7.79								
177.3	17.41	377.6	10.48	577.4	7.86	777.4	7.80								
182.6	17.26	382.6	10.39	582.5	7.72	782.6	7.83								
187.5	17.05	387.3	10.32	587.6	7.69	787.5	7.83								
192.5	16.78	392.4	10.27	592.4	7.69	792.4	7.83								
197.4	16.41	397.4	10.16	597.2	7.68	797.3	7.83								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

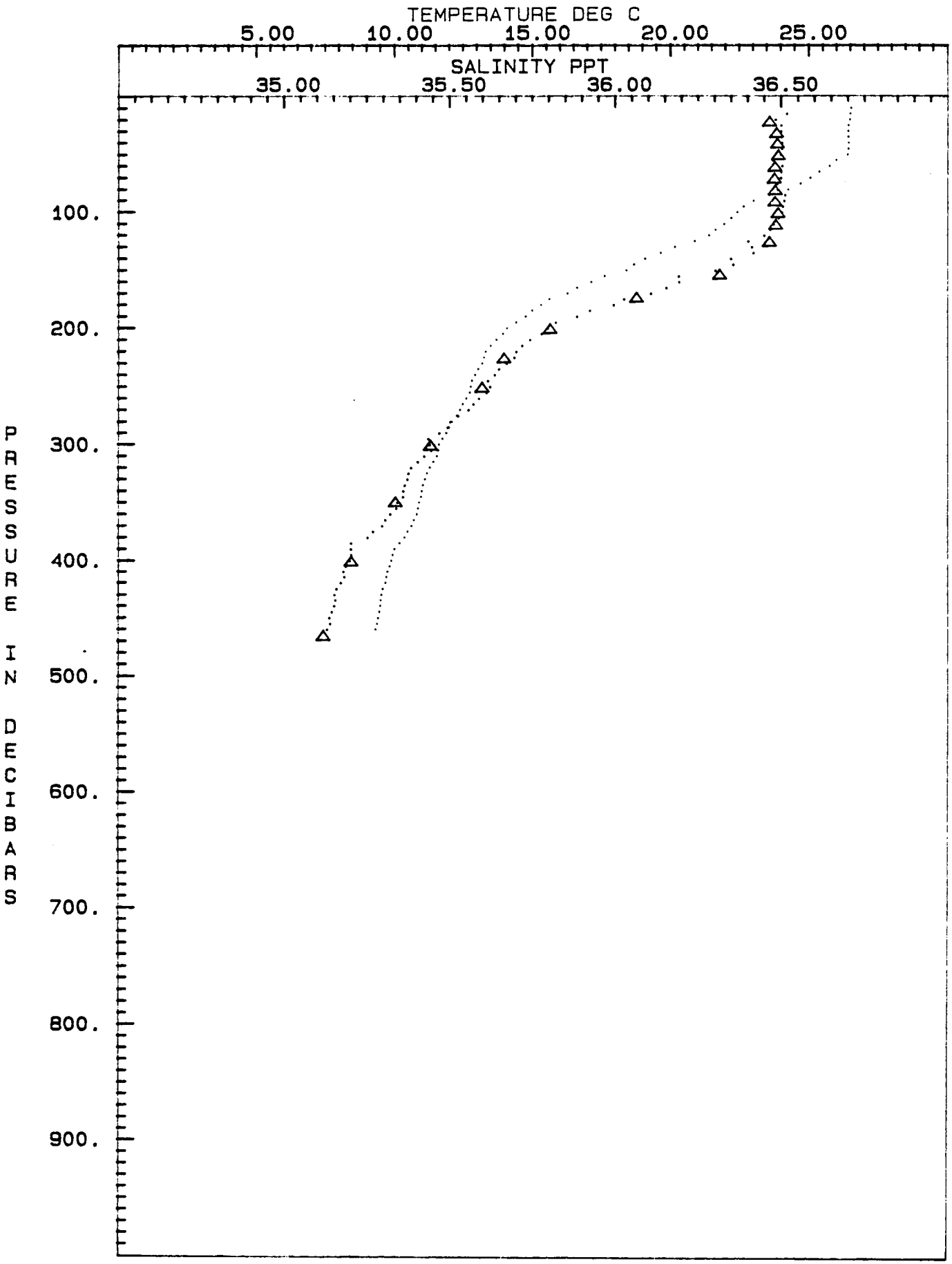
PROBE T-7 CRUISE 88G05 STATION X88G05*42*1 DATE 22OCT88 GMT 1408 LAT 25 59.8 LON 96 15.1 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.69	202.4	14.96	402.5	10.07	602.4	9.82	802.2	9.90						
7.5	26.64	207.3	14.72	407.5	9.94	607.5	9.83	807.5	9.91						
12.6	26.63	212.3	14.60	412.3	9.78	612.3	9.84	812.7	9.90						
17.5	26.63	217.6	14.44	417.3	9.67	617.5	9.84	817.6	9.90						
22.4	26.62	222.5	14.34	422.4	9.66	622.6	9.85	822.5	9.90						
27.5	26.62	227.5	14.12	427.5	9.66	627.5	9.84								
32.4	26.62	232.5	13.83	432.5	9.66	632.3	9.85								
37.3	26.61	237.5	13.58	437.6	9.66	637.4	9.85								
42.5	26.52	242.4	13.46	442.6	9.66	642.6	9.85								
47.4	26.49	247.4	13.41	447.4	9.66	647.4	9.85								
52.3	26.36	252.4	13.31	452.5	9.67	652.3	9.86								
57.5	25.55	257.4	13.24	457.5	9.67	657.4	9.86								
62.7	24.98	262.3	13.04	462.3	9.67	662.6	9.86								
67.5	24.83	267.3	12.88	467.4	9.68	667.4	9.87								
72.4	24.32	272.3	12.79	472.4	9.68	672.3	9.87								
77.7	23.65	277.3	12.54	477.5	9.69	677.5	9.87								
82.5	23.17	282.3	12.21	482.6	9.69	682.6	9.87								
87.4	22.65	287.3	12.13	487.4	9.70	687.5	9.88								
92.3	22.40	292.6	12.07	492.5	9.71	692.3	9.88								
97.3	22.16	297.6	11.97	497.5	9.72	697.5	9.88								
102.5	21.89	302.6	11.81	502.3	9.72	702.7	9.88								
107.4	21.70	307.6	11.71	507.4	9.73	707.5	9.88								
112.3	21.22	312.3	11.56	512.5	9.74	712.4	9.89								
117.5	20.68	317.3	11.45	517.3	9.74	717.2	9.89								
122.4	20.40	322.3	11.32	522.4	9.74	722.5	9.89								
127.4	20.00	327.3	11.19	527.5	9.75	727.7	9.89								
132.6	19.56	332.3	11.09	532.3	9.75	732.5	9.89								
137.5	19.36	337.4	11.00	537.4	9.75	737.4	9.89								
142.4	19.16	342.4	10.93	542.5	9.76	742.2	9.89								
147.4	18.94	347.4	10.86	547.3	9.77	747.5	9.89								
152.3	18.58	352.4	10.71	552.4	9.77	752.7	9.89								
157.6	18.12	357.5	10.58	557.5	9.78	757.5	9.90								
162.5	18.00	362.5	10.51	562.3	9.78	762.4	9.90								
167.4	17.58	367.5	10.48	567.4	9.80	767.3	9.90								
172.4	17.12	372.6	10.43	572.6	9.80	772.2	9.90								
177.3	16.77	377.6	10.34	577.4	9.80	777.4	9.90								
182.6	16.41	382.6	10.31	582.5	9.81	782.6	9.90								
187.5	16.28	387.3	10.29	587.6	9.81	787.5	9.90								
192.5	15.90	392.4	10.24	592.4	9.82	792.4	9.90								
197.4	15.42	397.4	10.19	597.2	9.82	797.3	9.90								

STATION S88G05*0043*DD CRUISE 88G05 DATE 22 OCT GMT 3:58 PM LAT 26 19.7 LON 96 15.1 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.515	23.310	14.089	8.87
10.0	26.508	37.028	24.406	8.88
15.0	26.492	36.508	24.019	8.88
20.0	26.469	36.474	24.000	8.89
25.0	26.423	36.492	24.028	8.91
30.0	26.419	36.491	24.029	8.91
35.0	26.423	36.492	24.028	8.91
40.0	26.426	36.494	24.029	8.91
45.0	26.423	36.494	24.030	8.91
50.0	26.393	36.490	24.037	8.91
55.0	25.981	36.465	24.147	8.90
60.0	25.734	36.494	24.246	8.90
65.0	25.360	36.491	24.360	8.90
70.0	25.040	36.490	24.458	8.91
75.0	24.690	36.479	24.556	8.90
80.0	24.247	36.480	24.690	8.91
85.0	23.559	36.503	24.912	8.91
90.0	22.995	36.500	25.075	8.91
95.0	22.634	36.496	25.176	8.90
100.0	22.409	36.493	25.238	8.91
105.0	22.186	36.483	25.294	8.92
110.0	21.936	36.468	25.353	8.91
115.0	21.623	36.457	25.433	8.89
120.0	21.393	36.439	25.483	8.71
125.0	20.864	36.391	25.592	8.62
130.0	20.147	36.403	25.794	8.57
135.0	19.636	36.408	25.934	8.68
140.0	19.068	36.339	26.029	8.74
145.0	18.695	36.346	26.135	8.71
150.0	18.397	36.293	26.165	8.66
155.0	17.613	36.182	26.275	8.69
160.0	17.129	36.183	26.392	8.75
165.0	16.614	36.145	26.486	8.80
170.0	16.271	36.098	26.531	8.82
175.0	15.608	36.017	26.621	8.85
180.0	15.309	35.986	26.665	8.91
185.0	14.989	35.914	26.680	8.93
190.0	14.747	35.875	26.703	8.91
195.0	14.405	35.812	26.729	8.94
200.0	14.074	35.787	26.781	8.95
205.0	13.933	35.769	26.797	8.95
210.0	13.695	35.734	26.819	8.95
215.0	13.492	35.710	26.843	8.96
220.0	13.310	35.692	26.867	8.96
225.0	13.244	35.687	26.876	8.96
230.0	13.188	35.663	26.870	8.96
235.0	13.038	35.640	26.882	8.96
240.0	12.920	35.628	26.896	8.96
245.0	12.803	35.607	26.903	8.96
250.0	12.766	35.614	26.916	8.95
255.0	12.735	35.603	26.914	8.95
260.0	12.608	35.590	26.921	8.95
265.0	12.482	35.563	26.933	8.96
270.0	12.385	35.548	26.941	8.96
275.0	12.273	35.517	26.939	8.96
280.0	12.086	35.493	26.957	8.96
285.0	11.975	35.486	26.972	8.96
290.0	11.894	35.460	26.969	8.96
295.0	11.747	35.427	26.970	8.96
300.0	11.620	35.432	26.997	8.96
305.0	11.596	35.437	27.006	8.96
310.0	11.544	35.415	26.999	8.96
315.0	11.419	35.395	27.007	8.96
320.0	11.292	35.375	27.015	8.96
325.0	11.191	35.367	27.027	8.96
330.0	11.118	35.364	27.039	8.96
335.0	11.042	35.356	27.046	8.96
340.0	11.000	35.352	27.050	8.96
345.0	10.971	35.351	27.055	8.96
350.0	10.906	35.334	27.053	8.96
355.0	10.861	35.330	27.058	8.96
360.0	10.817	35.313	27.053	8.95
365.0	10.714	35.298	27.060	8.95
370.0	10.627	35.288	27.067	8.95
375.0	10.487	35.260	27.071	8.95
380.0	10.369	35.244	27.079	8.95
385.0	10.195	35.195	27.071	8.95
390.0	10.013	35.194	27.102	8.94
395.0	9.945	35.195	27.114	8.95
400.0	9.900	35.190	27.118	8.95
405.0	9.837	35.179	27.120	8.95
410.0	9.760	35.172	27.128	8.95
415.0	9.724	35.174	27.135	8.95
420.0	9.691	35.164	27.133	8.95
425.0	9.590	35.151	27.140	8.94
430.0	9.542	35.145	27.143	8.92
435.0	9.514	35.147	27.150	8.92
440.0	9.499	35.144	27.149	8.92
445.0	9.467	35.137	27.150	8.92
450.0	9.421	35.130	27.151	8.92
455.0	9.389	35.132	27.159	8.92
460.0	9.332	35.123	27.161	8.92

DEPTH	TEMP	SALT	SIGMA-T	XSM



CRUISE: 88G05 STATION: S88G05*0043*DD DATE: 22 OCT
GMT: 3:58 PM LATITUDE: 26 19.7 LONGITUDE: 96 15.1

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*43*1 DATE 22OCT88 GMT 1548 LAT 26 19.5 LON 96 15.1 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.61	202.4	14.04	402.5	10.10	602.4	9.13	802.2	9.16						
7.5	26.54	207.3	13.86	407.5	9.87	607.5	9.13	807.5	9.16						
12.6	26.53	212.3	13.63	412.3	9.76	612.3	9.13	812.7	9.16						
17.5	26.52	217.6	13.56	417.3	9.72	617.5	9.14	817.6	9.16						
22.4	26.50	222.5	13.41	422.4	9.66	622.6	9.14	822.5	9.16						
27.5	26.48	227.5	13.33	427.5	9.64	627.5	9.14								
32.4	26.46	232.5	13.16	432.5	9.59	632.3	9.14								
37.3	26.45	237.5	13.07	437.6	9.52	637.4	9.14								
42.5	26.44	242.4	12.91	442.6	9.49	642.6	9.15								
47.4	26.43	247.4	12.81	447.4	9.44	647.4	9.15								
52.3	26.53	252.4	12.80	452.5	9.42	652.3	9.15								
57.5	26.39	257.4	12.82	457.5	9.39	657.4	9.15								
62.7	25.97	262.3	12.67	462.3	9.34	662.6	9.15								
67.5	25.58	267.3	12.47	467.4	9.31	667.4	9.15								
72.4	25.12	272.3	12.35	472.4	9.31	672.3	9.15								
77.7	24.72	277.3	12.23	477.5	9.17	677.5	9.16								
82.5	24.33	282.3	12.12	482.6	9.11	682.6	9.16								
87.4	23.77	287.3	12.00	487.4	9.09	687.5	9.16								
92.3	23.27	292.6	11.92	492.5	9.09	692.3	9.16								
97.3	22.81	297.6	11.82	497.5	9.09	697.5	9.16								
102.5	22.53	302.6	11.67	502.3	9.09	702.7	9.16								
107.4	22.34	307.6	11.57	507.4	9.09	707.5	9.16								
112.3	22.14	312.3	11.49	512.5	9.09	712.4	9.16								
117.5	21.90	317.3	11.38	517.3	9.09	717.2	9.16								
122.4	21.44	322.3	11.30	522.4	9.09	722.5	9.16								
127.4	20.77	327.3	11.20	527.5	9.09	727.7	9.16								
132.6	19.80	332.3	11.11	532.3	9.09	732.5	9.16								
137.5	19.15	337.4	11.02	537.4	9.10	737.4	9.16								
142.4	18.76	342.4	10.91	542.5	9.10	742.2	9.16								
147.4	18.22	347.4	10.80	547.3	9.10	747.5	9.16								
152.3	17.56	352.4	10.74	552.4	9.10	752.7	9.16								
157.6	17.13	357.5	10.67	557.5	9.10	757.5	9.16								
162.5	16.88	362.5	10.63	562.3	9.11	762.4	9.16								
167.4	16.45	367.5	10.57	567.4	9.12	767.3	9.16								
172.4	15.94	372.6	10.52	572.6	9.12	772.2	9.16								
177.3	15.52	377.6	10.45	577.4	9.12	777.4	9.16								
182.6	15.18	382.6	10.36	582.5	9.12	782.6	9.16								
187.5	14.90	387.3	10.30	587.6	9.12	787.5	9.16								
192.5	14.50	392.4	10.24	592.4	9.13	792.4	9.16								
197.4	14.18	397.4	10.19	597.2	9.13	797.3	9.16								

5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*44*1 DATE 22OCT88 GMT 1859 LAT 26 39.1 LON 96 15.4 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.54	202.4	14.63	402.5	9.96	602.4	7.56	802.2	7.70						
7.5	26.45	207.3	14.46	407.5	9.87	607.5	7.56	807.5	7.71						
12.6	26.40	212.3	14.29	412.3	9.78	612.3	7.56	812.7	7.71						
17.5	26.40	217.6	14.22	417.3	9.70	617.5	7.56	817.6	7.71						
22.4	26.39	222.5	14.10	422.4	9.61	622.6	7.56	822.5	7.72						
27.5	26.38	227.5	13.93	427.5	9.51	627.5	7.56								
32.4	26.38	232.5	13.79	432.5	9.43	632.3	7.56								
37.3	26.38	237.5	13.65	437.6	9.36	637.4	7.57								
42.5	26.38	242.4	13.55	442.6	9.29	642.6	7.57								
47.4	26.38	247.4	13.45	447.4	9.15	647.4	7.57								
52.3	26.38	252.4	13.34	452.5	9.06	652.3	7.58								
57.5	26.26	257.4	13.14	457.5	8.97	657.4	7.58								
62.7	25.74	262.3	12.93	462.3	8.93	662.6	7.58								
67.5	25.25	267.3	12.74	467.4	8.81	667.4	7.59								
72.4	24.72	272.3	12.64	472.4	8.74	672.3	7.59								
77.7	24.40	277.3	12.48	477.5	8.70	677.5	7.60								
82.5	23.76	282.3	12.33	482.6	8.65	682.6	7.60								
87.4	23.15	287.3	12.27	487.4	8.63	687.5	7.60								
92.3	22.62	292.6	12.19	492.5	8.61	692.3	7.61								
97.3	22.08	297.6	12.09	497.5	8.59	697.5	7.62								
102.5	21.62	302.6	11.93	502.3	8.55	702.7	7.62								
107.4	21.10	307.6	11.83	507.4	8.52	707.5	7.63								
112.3	20.72	312.3	11.69	512.5	8.47	712.4	7.63								
117.5	20.30	317.3	11.46	517.3	8.45	717.2	7.64								
122.4	19.69	322.3	11.32	522.4	8.39	722.5	7.64								
127.4	19.07	327.3	11.28	527.5	8.34	727.7	7.65								
132.6	18.36	332.3	11.19	532.3	8.28	732.5	7.65								
137.5	17.92	337.4	11.11	537.4	8.24	737.4	7.66								
142.4	17.54	342.4	11.05	542.5	8.09	742.2	7.66								
147.4	16.99	347.4	10.94	547.3	8.00	747.5	7.66								
152.3	16.59	352.4	10.87	552.4	8.00	752.7	7.67								
157.6	16.35	357.5	10.79	557.5	7.98	757.5	7.67								
162.5	16.21	362.5	10.75	562.3	7.96	762.4	7.68								
167.4	15.98	367.5	10.59	567.4	7.95	767.3	7.68								
172.4	15.88	372.6	10.48	572.6	7.94	772.2	7.69								
177.3	15.69	377.6	10.37	577.4	7.94	777.4	7.69								
182.6	15.51	382.6	10.30	582.5	7.93	782.6	7.69								
187.5	15.35	387.3	10.20	587.6	7.84	787.5	7.69								
192.5	14.99	392.4	10.14	592.4	7.59	792.4	7.70								
197.4	14.82	397.4	10.07	597.2	7.57	797.3	7.70								

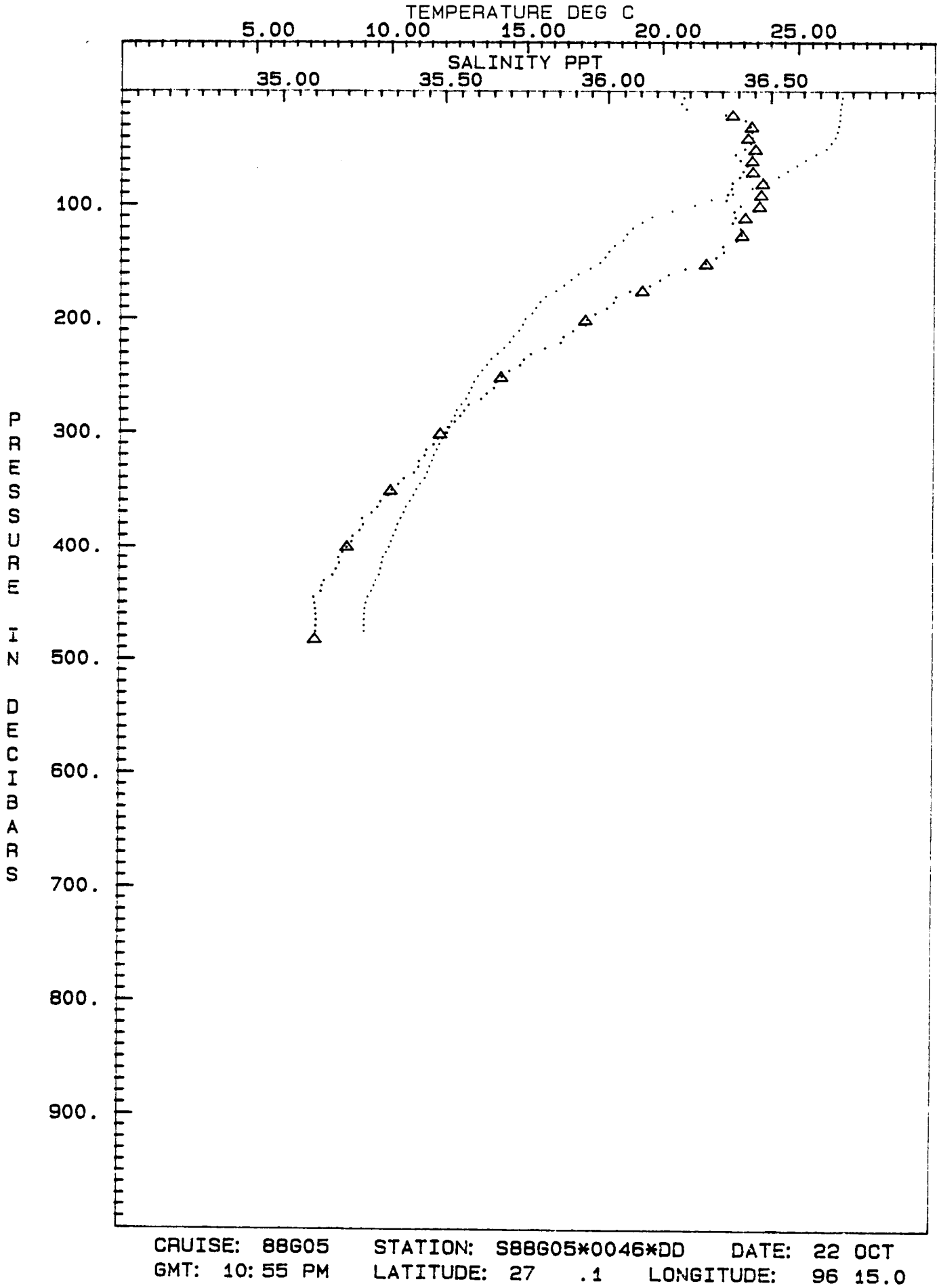
5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*45*1 DATE 22OCT88 GMT 2000 LAT 26 51.9 LON 96 15.0 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.70	202.4	14.23	402.5	9.73	602.4	7.63	802.2	7.72						
7.5	26.66	207.3	14.08	407.5	9.67	607.5	7.63	807.5	7.72						
12.6	26.61	212.3	13.91	412.3	9.59	612.3	7.63	812.7	7.72						
17.5	26.60	217.6	13.71	417.3	9.54	617.5	7.63	817.6	7.72						
22.4	26.61	222.5	13.53	422.4	9.48	622.6	7.64	822.5	7.73						
27.5	26.60	227.5	13.39	427.5	9.32	627.5	7.64								
32.4	26.63	232.5	13.23	432.5	9.26	632.3	7.64								
37.3	26.57	237.5	13.03	437.6	9.21	637.4	7.65								
42.5	26.48	242.4	12.93	442.6	9.15	642.6	7.66								
47.4	26.42	247.4	12.81	447.4	9.07	647.4	7.65								
52.3	26.39	252.4	12.71	452.5	8.96	652.3	7.66								
57.5	26.38	257.4	12.62	457.5	8.89	657.4	7.66								
62.7	26.36	262.3	12.54	462.3	8.86	662.6	7.66								
67.5	26.21	267.3	12.34	467.4	8.80	667.4	7.66								
72.4	25.61	272.3	12.20	472.4	8.75	672.3	7.67								
77.7	24.83	277.3	12.11	477.5	8.65	677.5	7.67								
82.5	24.20	282.3	12.04	482.6	8.58	682.6	7.67								
87.4	23.72	287.3	11.91	487.4	8.48	687.5	7.68								
92.3	23.20	292.6	11.76	492.5	8.40	692.3	7.68								
97.3	21.88	297.6	11.65	497.5	8.33	697.5	7.68								
102.5	20.62	302.6	11.52	502.3	8.29	702.7	7.68								
107.4	19.57	307.6	11.39	507.4	8.22	707.5	7.68								
112.3	19.23	312.3	11.32	512.5	8.07	712.4	7.69								
117.5	18.54	317.3	11.24	517.3	7.99	717.2	7.69								
122.4	17.84	322.3	11.12	522.4	7.97	722.5	7.69								
127.4	17.37	327.3	11.03	527.5	7.92	727.7	7.69								
132.6	16.99	332.3	10.94	532.3	7.82	732.5	7.70								
137.5	16.47	337.4	10.85	537.4	7.77	737.4	7.70								
142.4	16.12	342.4	10.77	542.5	7.76	742.2	7.70								
147.4	15.90	347.4	10.64	547.3	7.71	747.5	7.71								
152.3	15.70	352.4	10.55	552.4	7.70	752.7	7.70								
157.6	15.48	357.5	10.51	557.5	7.62	757.5	7.71								
162.5	15.34	362.5	10.45	562.3	7.62	762.4	7.71								
167.4	15.26	367.5	10.31	567.4	7.62	767.3	7.71								
172.4	15.10	372.6	10.21	572.6	7.62	772.2	7.71								
177.3	14.99	377.6	10.14	577.4	7.62	777.4	7.72								
182.6	14.83	382.6	10.06	582.5	7.62	782.6	7.72								
187.5	14.65	387.3	10.01	587.6	7.62	787.5	7.72								
192.5	14.40	392.4	9.88	592.4	7.62	792.4	7.71								
197.4	14.29	397.4	9.79	597.2	7.62	797.3	7.72								

STATION S88G05*0046*DD CRUISE 88G05 DATE 22 OCT GMT 10:55 PM LAT 27 .1 LON 96 15.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.599	36.222	23.768	8.81	255.0	13.072	35.647	26.880	8.96					
10.0	26.568	36.214	23.773	8.81	260.0	12.983	35.642	26.895	8.96					
15.0	26.530	36.229	23.796	8.81	265.0	12.886	35.619	26.896	8.96					
20.0	26.521	36.350	23.890	8.82	270.0	12.780	35.602	26.905	8.96					
25.0	26.508	36.412	23.941	8.83	275.0	12.607	35.564	26.909	8.96					
30.0	26.467	36.427	23.965	8.84	280.0	12.439	35.550	26.932	8.95					
35.0	26.419	36.432	23.984	8.84	285.0	12.363	35.539	26.938	8.95					
40.0	26.337	36.433	24.011	8.84	290.0	12.243	35.522	26.948	8.94					
45.0	26.195	36.428	24.052	8.83	295.0	12.115	35.505	26.960	8.95					
50.0	26.018	36.410	24.093	8.83	300.0	12.029	35.498	26.971	8.95					
55.0	25.622	36.381	24.196	8.82	305.0	11.914	35.470	26.971	8.95					
60.0	25.249	36.396	24.322	8.85	310.0	11.806	35.457	26.982	8.95					
65.0	24.939	36.418	24.434	8.89	315.0	11.708	35.435	26.984	8.95					
70.0	24.592	36.405	24.529	8.88	320.0	11.608	35.430	26.998	8.95					
75.0	24.262	36.394	24.621	8.78	325.0	11.536	35.412	26.998	8.95					
80.0	23.813	36.372	24.738	8.74	330.0	11.439	35.411	27.015	8.95					
85.0	23.303	36.370	24.886	8.75	335.0	11.365	35.397	27.019	8.96					
90.0	22.578	36.357	25.087	8.56	340.0	11.271	35.366	27.011	8.96					
95.0	21.789	36.354	25.308	8.39	345.0	11.104	35.349	27.029	8.96					
100.0	21.182	36.397	25.510	8.45	350.0	10.970	35.329	27.038	8.96					
105.0	20.354	36.378	25.720	8.46	355.0	10.852	35.318	27.051	8.96					
110.0	19.609	36.382	25.921	8.63	360.0	10.728	35.294	27.054	8.96					
115.0	19.250	36.373	26.008	8.85	365.0	10.582	35.285	27.073	8.96					
120.0	18.904	36.398	26.116	8.95	370.0	10.505	35.267	27.073	8.96					
125.0	18.691	36.400	26.172	8.95	375.0	10.384	35.238	27.072	8.96					
130.0	18.550	36.385	26.197	8.95	380.0	10.277	35.241	27.093	8.96					
135.0	18.235	36.343	26.244	8.96	385.0	10.214	35.231	27.096	8.96					
140.0	18.036	36.345	26.295	8.97	390.0	10.116	35.209	27.096	8.96					
145.0	17.894	36.323	26.313	8.97	395.0	10.030	35.207	27.109	8.96					
150.0	17.702	36.291	26.336	8.96	400.0	9.962	35.191	27.109	8.96					
155.0	17.348	36.228	26.374	8.90	405.0	9.855	35.179	27.117	8.96					
160.0	16.901	36.176	26.442	8.82	410.0	9.747	35.167	27.125	8.96					
165.0	16.642	36.150	26.484	8.86	415.0	9.698	35.168	27.135	8.96					
170.0	16.369	36.119	26.524	8.87	420.0	9.655	35.158	27.135	8.96					
175.0	16.077	36.058	26.545	8.87	425.0	9.601	35.148	27.136	8.96					
180.0	15.698	36.015	26.599	8.88	430.0	9.479	35.123	27.136	8.96					
185.0	15.502	36.008	26.638	8.88	435.0	9.403	35.116	27.143	8.97					
190.0	15.343	35.988	26.658	8.87	440.0	9.315	35.113	27.156	8.96					
195.0	15.206	35.952	26.662	8.89	445.0	9.184	35.091	27.160	8.96					
200.0	14.954	35.928	26.698	8.93	450.0	9.118	35.094	27.173	8.96					
205.0	14.858	35.923	26.716	8.93	455.0	9.082	35.096	27.181	8.88					
210.0	14.721	35.884	26.716	8.95	460.0	9.068	35.098	27.184	8.85					
215.0	14.516	35.854	26.738	8.95	465.0	9.063	35.099	27.186	8.84					
220.0	14.376	35.846	26.761	8.95	470.0	9.060	35.098	27.186	8.83					
225.0	14.171	35.798	26.768	8.95	475.0	9.058	35.097	27.186	8.83					
230.0	13.929	35.754	26.786	8.96										
235.0	13.702	35.733	26.818	8.96										
240.0	13.537	35.721	26.842	8.96										
245.0	13.372	35.688	26.851	8.96										
250.0	13.215	35.665	26.865	8.96										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PRESSURE IN DECIBARS
CRUISE: 88G05 STATION: S88G05*0046*DD DATE: 22 OCT
GMT: 10:55 PM LATITUDE: 27 .1 LONGITUDE: 96 15.0

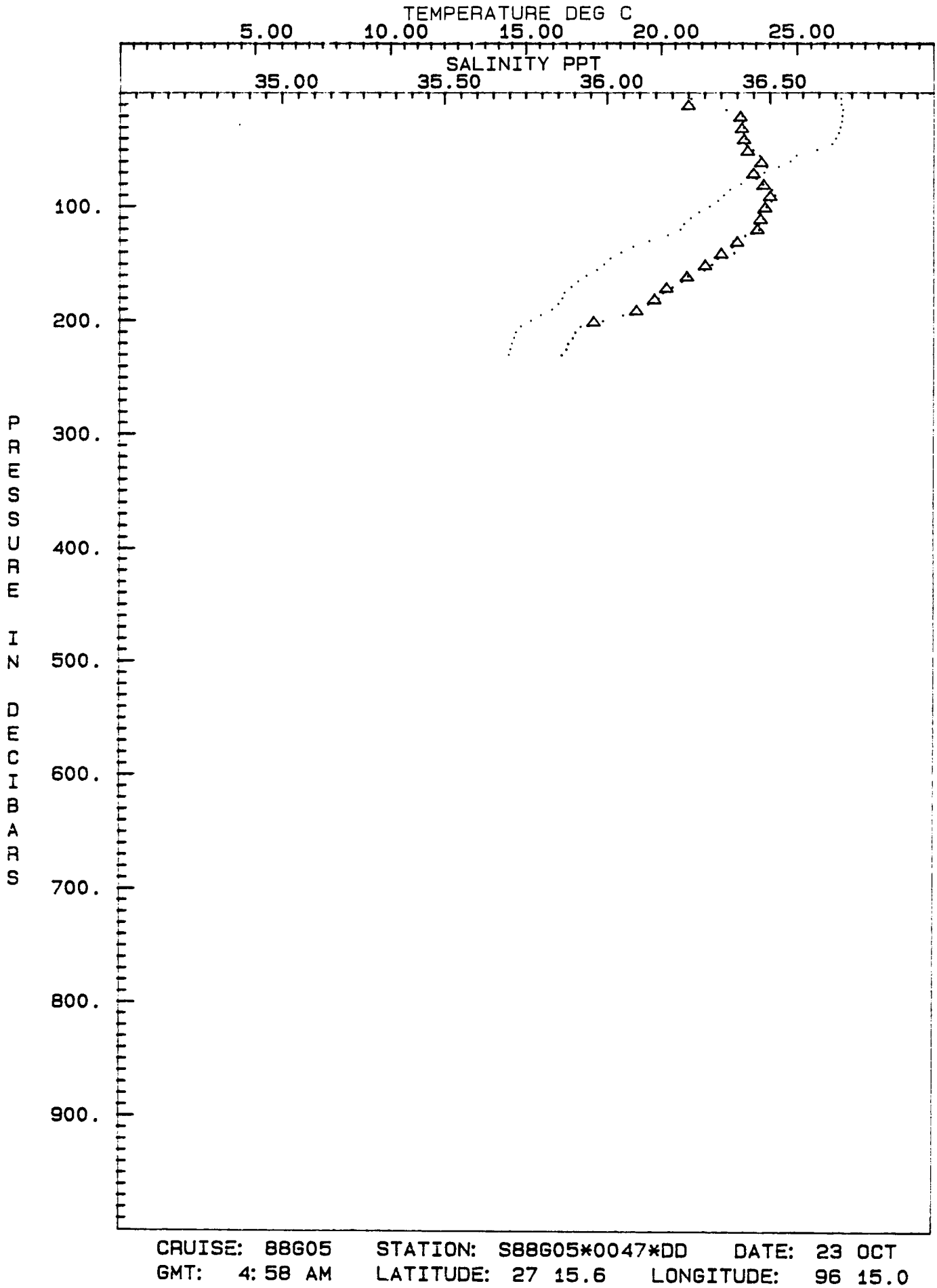
5 METER AVERAGED EXPENDABLE BATHYTHERMOGRAPH

PROBE T-7 CRUISE 88G05 STATION X88G05*46*1 DATE 22OCT88 GMT 2039 LAT 26 59.4 LON 96 14.9 OPERATOR

Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T	Z	T
2.6	26.46	202.4	14.63	402.5	9.59	602.4	8.19	802.2	8.33						
7.5	26.45	207.3	14.36	407.5	9.52	607.5	8.20	807.5	8.33						
12.6	26.41	212.3	14.11	412.3	9.40	612.3	8.20	812.7	8.33						
17.5	26.37	217.6	13.77	417.3	9.35	617.5	8.21	817.6	8.33						
22.4	26.35	222.5	13.47	422.4	9.31	622.6	8.21	822.5	8.33						
27.5	26.33	227.5	13.32	427.5	9.27	627.5	8.21								
32.4	26.31	232.5	13.23	432.5	9.20	632.3	8.22								
37.3	26.28	237.5	13.14	437.6	9.06	637.4	8.22								
42.5	26.21	242.4	13.05	442.6	9.04	642.6	8.24								
47.4	26.06	247.4	12.92	447.4	9.02	647.4	8.23								
52.3	25.91	252.4	12.81	452.5	8.95	652.3	8.24								
57.5	25.42	257.4	12.71	457.5	8.91	657.4	8.25								
62.7	25.01	262.3	12.56	462.3	8.88	662.6	8.25								
67.5	24.62	267.3	12.40	467.4	8.82	667.4	8.25								
72.4	24.25	272.3	12.28	472.4	8.76	672.3	8.25								
77.7	23.92	277.3	12.18	477.5	8.67	677.5	8.26								
82.5	23.50	282.3	12.09	482.6	8.60	682.6	8.26								
87.4	22.64	287.3	12.02	487.4	8.54	687.5	8.27								
92.3	21.91	292.6	11.90	492.5	8.53	692.3	8.27								
97.3	21.30	297.6	11.72	497.5	8.52	697.5	8.28								
102.5	20.31	302.6	11.64	502.3	8.52	702.7	8.28								
107.4	19.61	307.6	11.51	507.4	8.51	707.5	8.28								
112.3	19.02	312.3	11.39	512.5	8.51	712.4	8.28								
117.5	18.54	317.3	11.29	517.3	8.51	717.2	8.29								
122.4	18.17	322.3	11.21	522.4	8.50	722.5	8.29								
127.4	18.05	327.3	11.16	527.5	8.50	727.7	8.29								
132.6	17.94	332.3	11.01	532.3	8.48	732.5	8.30								
137.5	17.71	337.4	10.92	537.4	8.22	737.4	8.31								
142.4	17.44	342.4	10.84	542.5	8.19	742.2	8.30								
147.4	17.08	347.4	10.73	547.3	8.19	747.5	8.31								
152.3	16.59	352.4	10.58	552.4	8.18	752.7	8.31								
157.6	16.25	357.5	10.52	557.5	8.18	757.5	8.31								
162.5	15.86	362.5	10.41	562.3	8.18	762.4	8.31								
167.4	15.49	367.5	10.31	567.4	8.18	767.3	8.31								
172.4	15.32	372.6	10.20	572.6	8.18	772.2	8.32								
177.3	15.19	377.6	10.11	577.4	8.18	777.4	8.32								
182.6	15.06	382.6	9.97	582.5	8.18	782.6	8.32								
187.5	14.94	387.3	9.88	587.6	8.18	787.5	8.32								
192.5	14.89	392.4	9.79	592.4	8.19	792.4	8.33								
197.4	14.77	397.4	9.66	597.2	8.19	797.3	8.33								

STATION S88G05*0047*DD CRUISE 88G05 DATE 23 OCT GMT 4:58 AM LAT 27 15.6 LON 96 15.0 DEPTH OFFSET 0.0

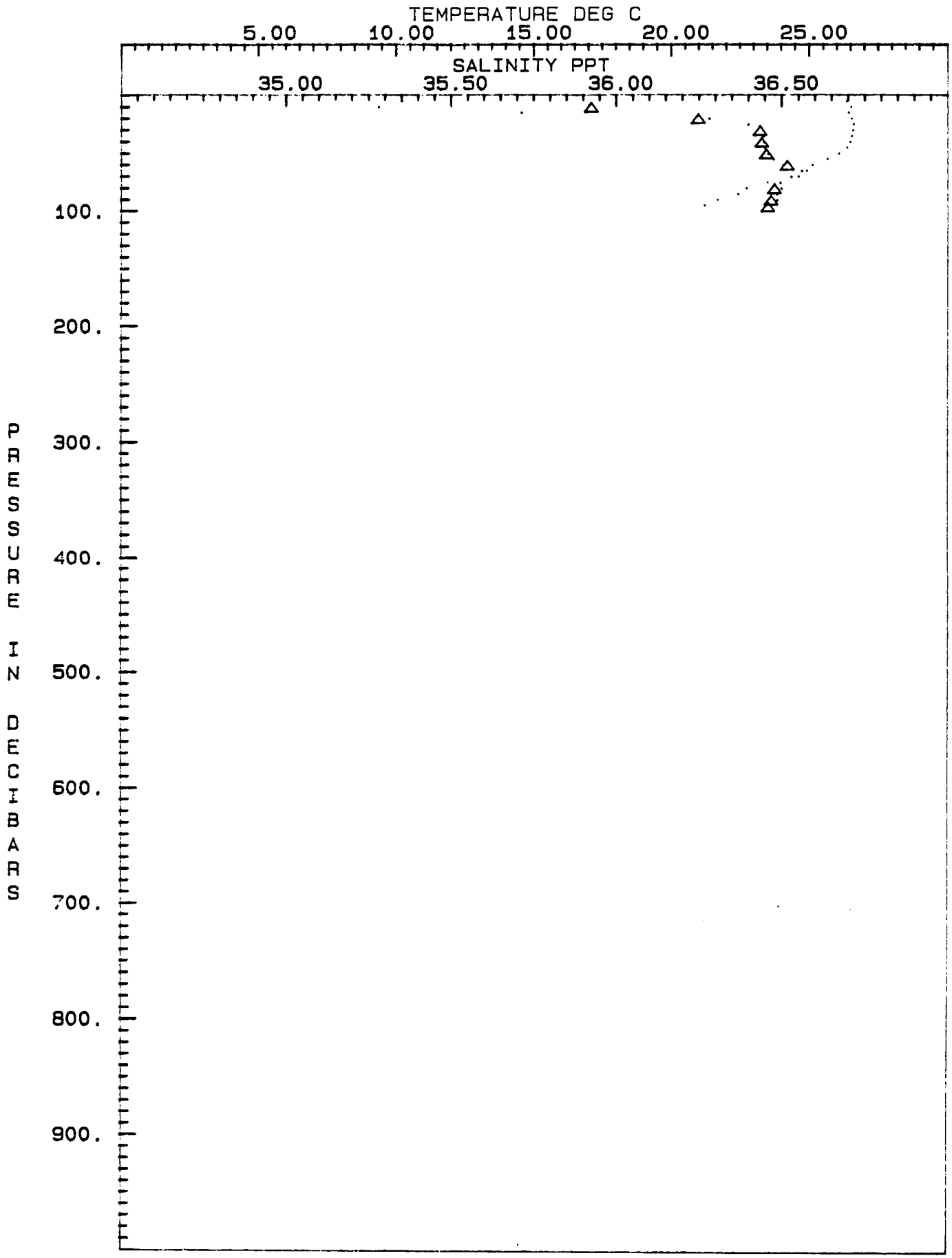
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.606	36.249	23.787	8.77										
10.0	26.611	36.251	23.787	8.78										
15.0	26.671	36.357	23.848	8.83										
20.0	26.647	36.407	23.893	8.86										
25.0	26.625	36.408	23.901	8.86										
30.0	26.570	36.411	23.920	8.85										
35.0	26.517	36.410	23.937	8.84										
40.0	26.403	36.416	23.978	8.82										
45.0	26.264	36.418	24.022	8.82										
50.0	25.718	36.439	24.210	8.81										
55.0	24.951	36.460	24.462	8.88										
60.0	24.734	36.456	24.526	8.89										
65.0	24.300	36.481	24.675	8.90										
70.0	23.776	36.451	24.809	8.90										
75.0	23.458	36.450	24.902	8.88										
80.0	22.918	36.469	25.074	8.90										
85.0	22.525	36.497	25.208	8.93										
90.0	22.297	36.507	25.281	8.94										
95.0	22.077	36.495	25.334	8.94										
100.0	21.770	36.480	25.409	8.94										
105.0	21.384	36.455	25.498	8.94										
110.0	21.074	36.470	25.595	8.95										
115.0	20.822	36.457	25.654	8.95										
120.0	20.694	36.458	25.689	8.94										
125.0	20.231	36.414	25.781	8.85										
130.0	19.543	36.378	25.935	8.69										
135.0	18.946	36.375	26.087	8.72										
140.0	18.514	36.381	26.202	8.80										
145.0	18.118	36.330	26.263	8.86										
150.0	17.883	36.313	26.308	8.86										
155.0	17.623	36.290	26.355	8.89										
160.0	17.231	36.239	26.411	8.94										
165.0	16.926	36.221	26.470	8.97										
170.0	16.679	36.192	26.507	8.97										
175.0	16.421	36.162	26.545	8.97										
180.0	16.346	36.149	26.552	8.97										
185.0	16.190	36.117	26.564	8.97										
190.0	15.959	36.090	26.597	8.97										
195.0	15.553	36.039	26.650	8.97										
200.0	15.185	35.978	26.686	8.96										
205.0	14.812	35.909	26.716	8.93										
210.0	14.627	35.893	26.744	8.92										
215.0	14.566	35.885	26.750	8.92										
220.0	14.485	35.871	26.758	8.91										
225.0	14.427	35.866	26.766	8.91										
230.0	14.367	35.851	26.768	8.88										



CRUISE: 88G05 STATION: S88G05*0047*DD DATE: 23 OCT
GMT: 4:58 AM LATITUDE: 27 15.6 LONGITUDE: 96 15.0

STATION S88G05*0048*DD CRUISE 88G05 DATE 23 OCT GMT 12:10 PM LAT 27 21.7 LON 96 26.6 DEPTH OFFSET 0.0

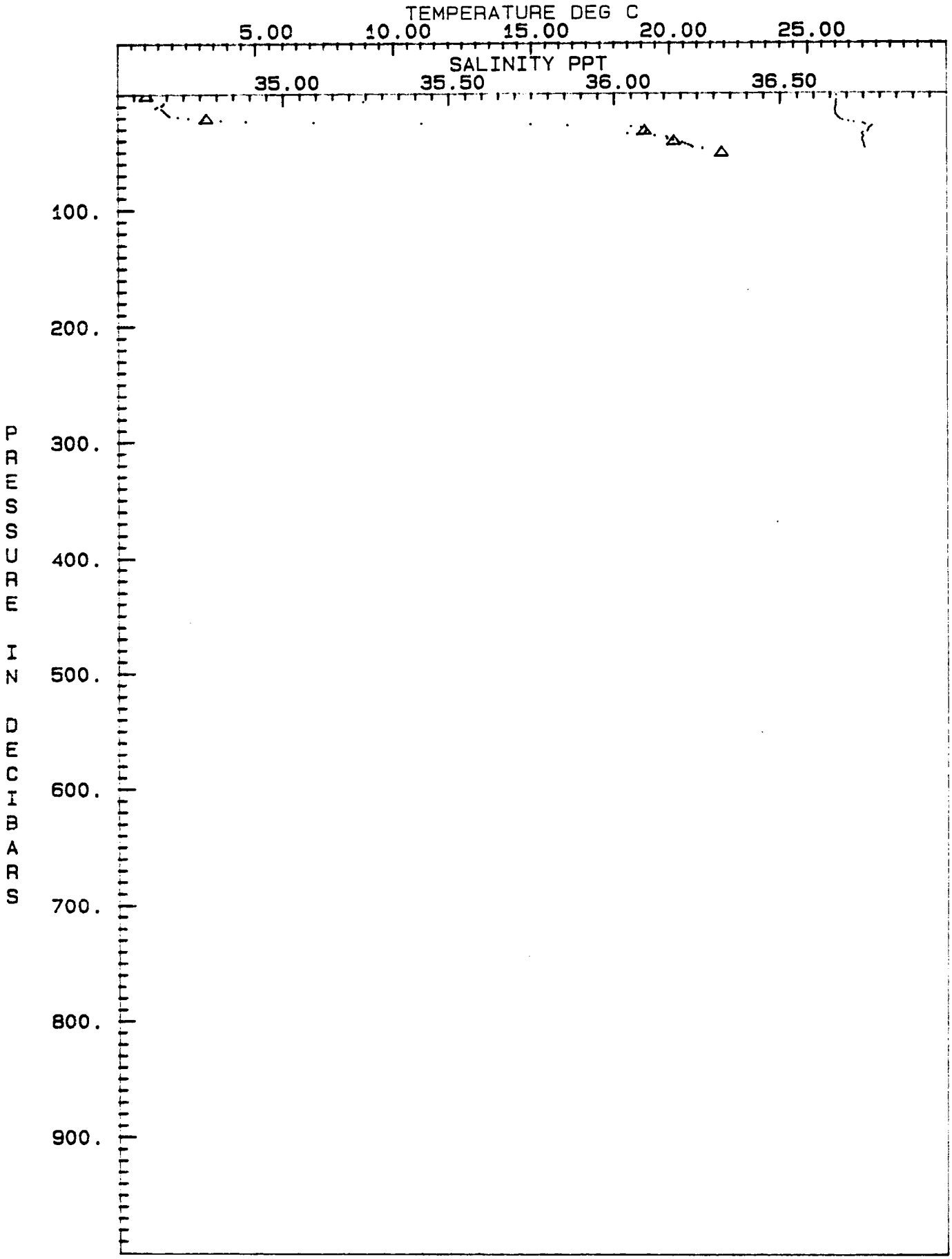
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	26.359	35.341	23.180	8.82										
10.0	26.505	35.271	23.081	8.86										
15.0	26.423	35.705	23.434	8.86										
20.0	26.536	36.273	23.828	8.86										
25.0	26.599	36.392	23.897	8.86										
30.0	26.585	36.436	23.934	8.88										
35.0	26.528	36.437	23.954	8.88										
40.0	26.472	36.439	23.973	8.89										
45.0	26.356	36.441	24.011	8.89										
50.0	26.066	36.451	24.110	8.88										
55.0	25.643	36.467	24.254	8.87										
60.0	25.104	36.496	24.443	8.87										
65.0	24.909	36.552	24.545	8.88										
70.0	24.603	36.520	24.613	8.86										
75.0	23.484	36.487	24.922	8.86										
80.0	22.727	36.490	25.145	8.87										
85.0	22.423	36.477	25.222	8.88										
90.0	21.681	36.478	25.433	8.89										
95.0	21.204	36.460	25.551	8.81										



CRUISE: 88G05 STATION: S88G05*0048*DD DATE: 23 OCT
GMT: 12: 10 PM LATITUDE: 27 21.7 LONGITUDE: 96 26.6

STATION S88G05*0049*DD CRUISE 88G05 DATE 23 OCT GMT 2:30 PM LAT 27 30.5 LON 96 43.3 DEPTH OFFSET 0.0

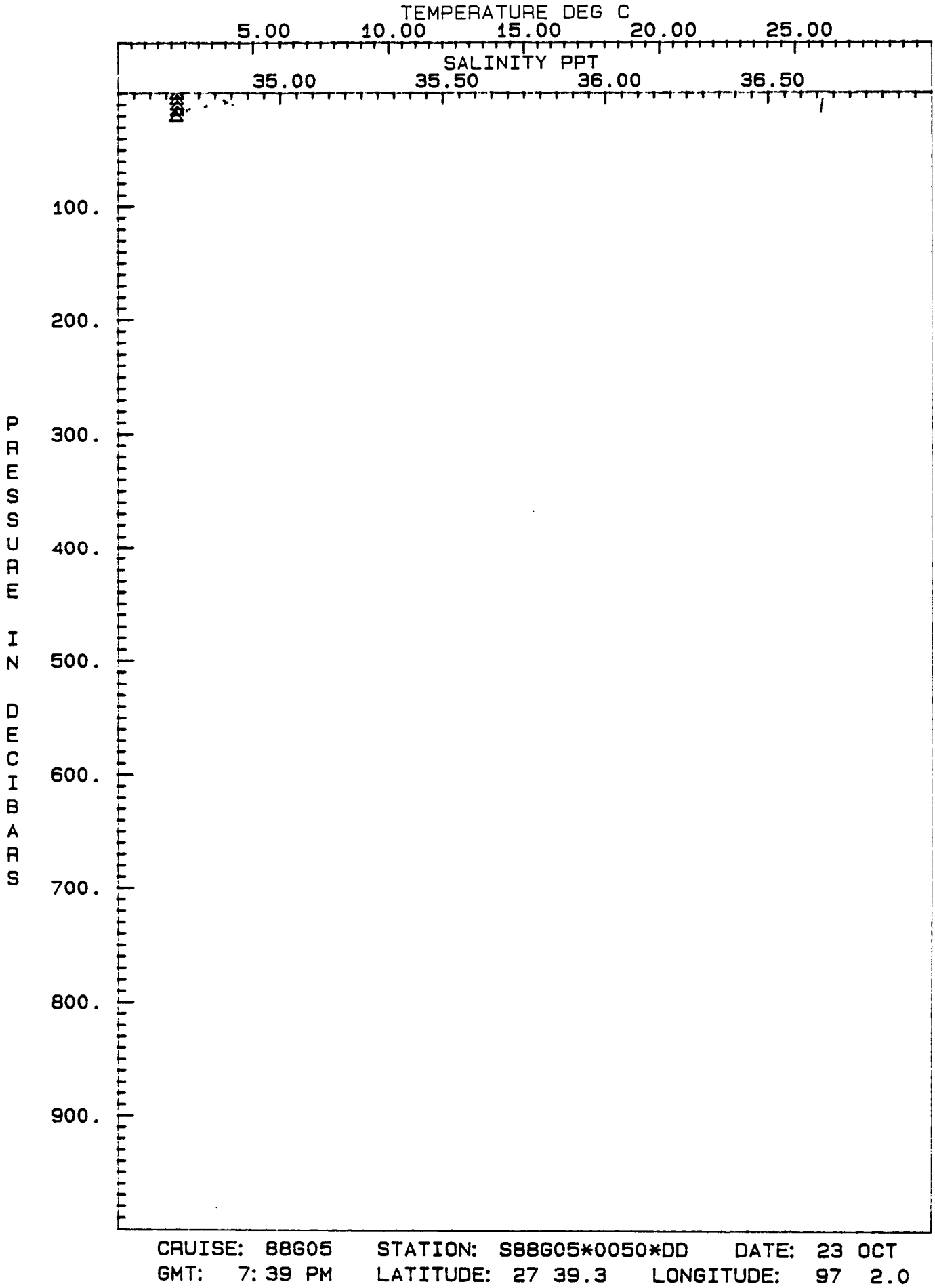
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.7	26.022	5.269	.736	8.75										
6.0	26.019	35.233	23.205	8.81										
7.0	26.018	34.631	22.751	8.80										
8.0	26.018	34.629	22.750	8.80										
9.0	26.016	34.624	22.747	8.80										
10.0	26.014	34.611	22.737	8.81										
11.0	26.014	34.606	22.734	8.81										
12.0	25.985	34.624	22.756	8.81										
13.0	25.978	34.629	22.762	8.82										
14.0	25.974	34.632	22.766	8.81										
15.0	25.978	34.636	22.767	8.82										
16.0	25.982	34.640	22.769	8.82										
17.0	25.988	34.644	22.770	8.82										
18.0	25.997	34.648	22.771	8.81										
19.0	26.033	34.674	22.779	8.81										
20.0	26.069	34.706	22.792	8.82										
21.0	26.107	34.750	22.813	8.82										
22.0	26.154	34.803	22.839	8.83										
23.0	26.243	34.879	22.868	8.82										
24.0	26.460	35.084	22.955	8.82										
25.0	26.657	35.409	23.137	8.82										
26.0	26.982	35.739	23.282	8.80										
27.0	27.059	35.850	23.341	8.85										
28.0	27.313	36.042	23.405	8.85										
29.0	27.274	36.072	23.440	8.86										
30.0	27.194	36.088	23.478	8.86										
31.0	27.185	36.091	23.483	8.85										
32.0	27.170	36.087	23.484	8.85										
33.0	27.149	36.084	23.489	8.85										
34.0	26.979	36.030	23.503	8.86										
35.0	26.936	36.060	23.539	8.85										
36.0	26.958	36.113	23.572	8.84										
37.0	26.995	36.148	23.587	8.83										
38.0	26.988	36.150	23.590	8.83										
39.0	26.964	36.151	23.599	8.84										
40.0	26.947	36.168	23.617	8.84										
41.0	26.959	36.182	23.624	8.84										
42.0	26.981	36.196	23.627	8.84										
43.0	26.996	36.204	23.629	8.83										
44.0	27.010	36.214	23.631	8.83										
45.0	27.013	36.222	23.636	8.83										
46.0	27.021	36.227	23.638	8.83										
47.0	27.049	36.257	23.651	8.82										



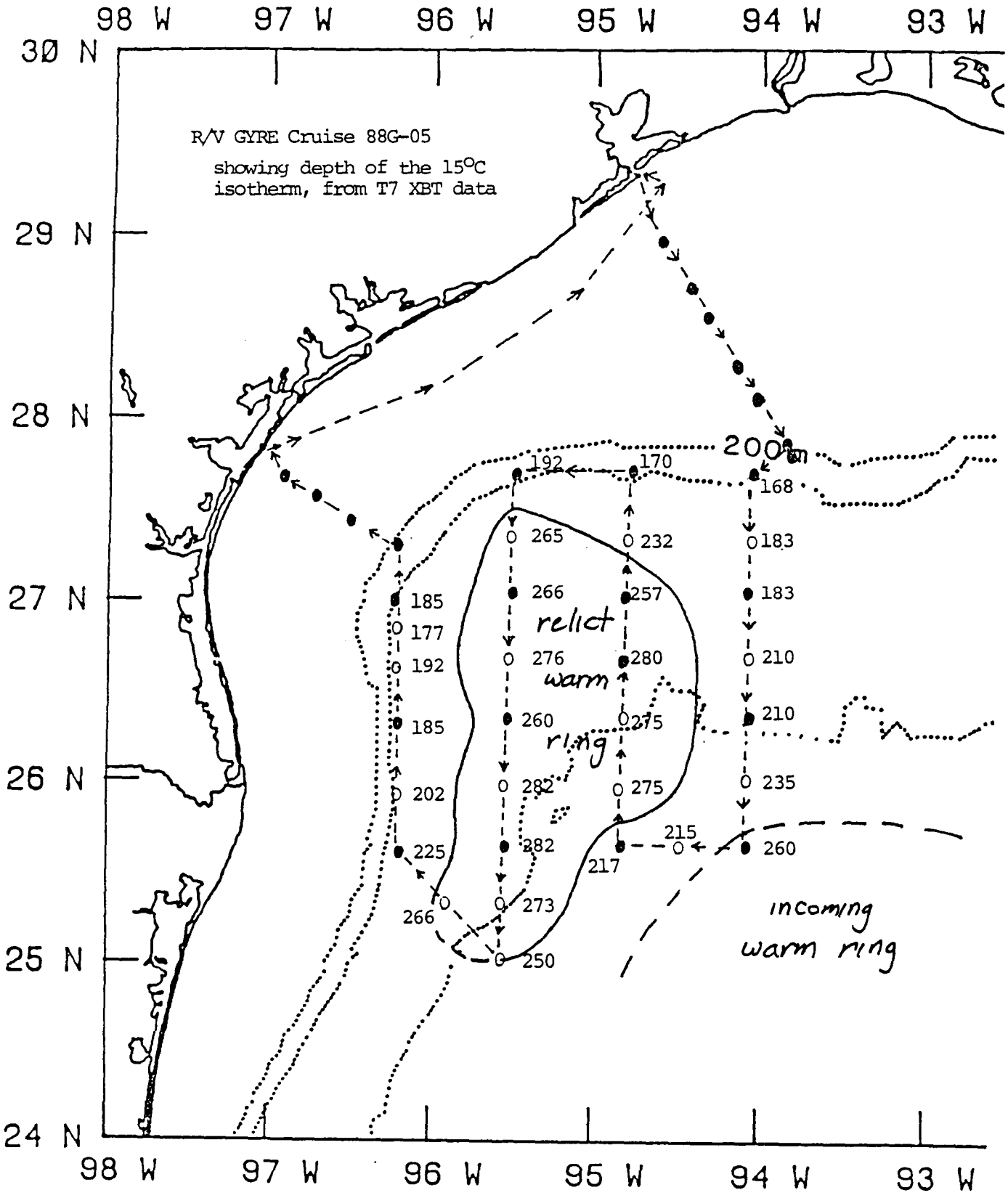
CRUISE: 88G05 STATION: S88G05*0049*DD DATE: 23 OCT
GMT: 2: 30 PM LATITUDE: 27 30.5 LONGITUDE: 96 43.3

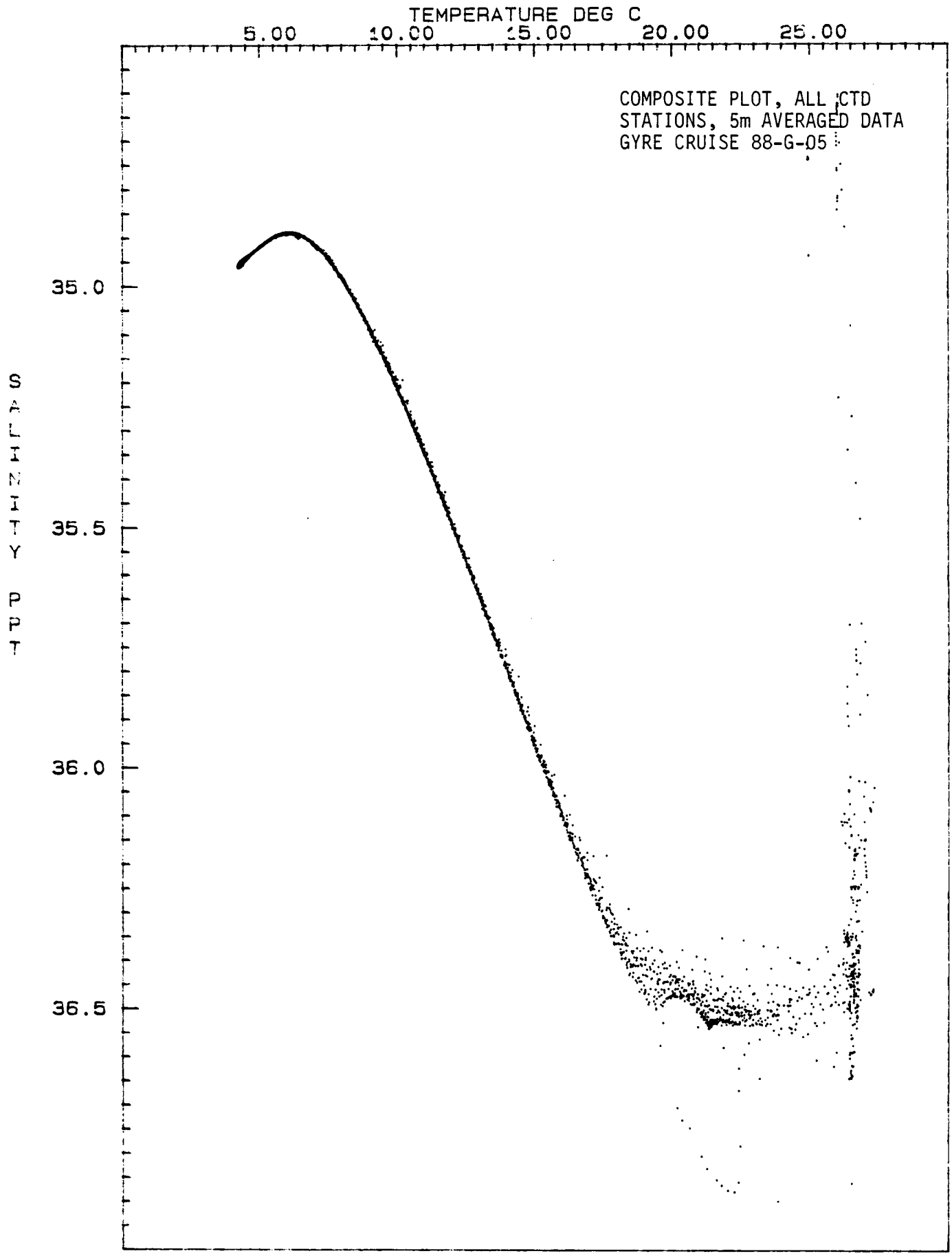
STATION S88G05*0050*DD CRUISE 88G05 DATE 23 OCT GMT 7:39 PM LAT 27 39.3 LON 97 2.0 DEPTH OFFSET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
6.0	25.998	34.816	22.897	7.75										
7.0	25.991	34.820	22.902	7.75										
8.0	25.989	34.827	22.908	7.73										
9.0	25.986	34.821	22.904	7.73										
10.0	25.968	34.844	22.928	7.73										
11.0	25.965	34.764	22.868	7.72										
12.0	25.961	34.759	22.865	7.72										
14.0	25.949	34.711	22.834	7.69										
15.0	25.946	34.703	22.828	7.68										
16.0	25.943	34.692	22.821	7.69										
17.0	25.940	34.685	22.817	7.69										



CRUISE: 88G05 STATION: S88G05*0050*DD DATE: 23 OCT
GMT: 7: 39 PM LATITUDE: 27 39.3 LONGITUDE: 97 2.0


98 W
97 W
96 W
95 W
94 W
93 W
30 N
29 N
28 N
27 N
26 N
25 N
24 N
R/V GYRE Cruise 88G-05
showing depth of the 15°C
isotherm, from T7 XBT data
200m
192
170
168
265
232
183
266
257
183
185
relict
177
276
280
210
warm
192
260
275
210
185
ring
202
282
275
235
225
282
215
217
260
266
273
250
incoming
warm ring


TEMPERATURE DEG C
5.00
10.00
15.00
20.00
25.00
COMPOSITE PLOT, ALL CTD
STATIONS, 5m AVERAGED DATA
GYRE CRUISE 88-G-05
35.0
35.5
36.0
36.5
SALINITY PPT

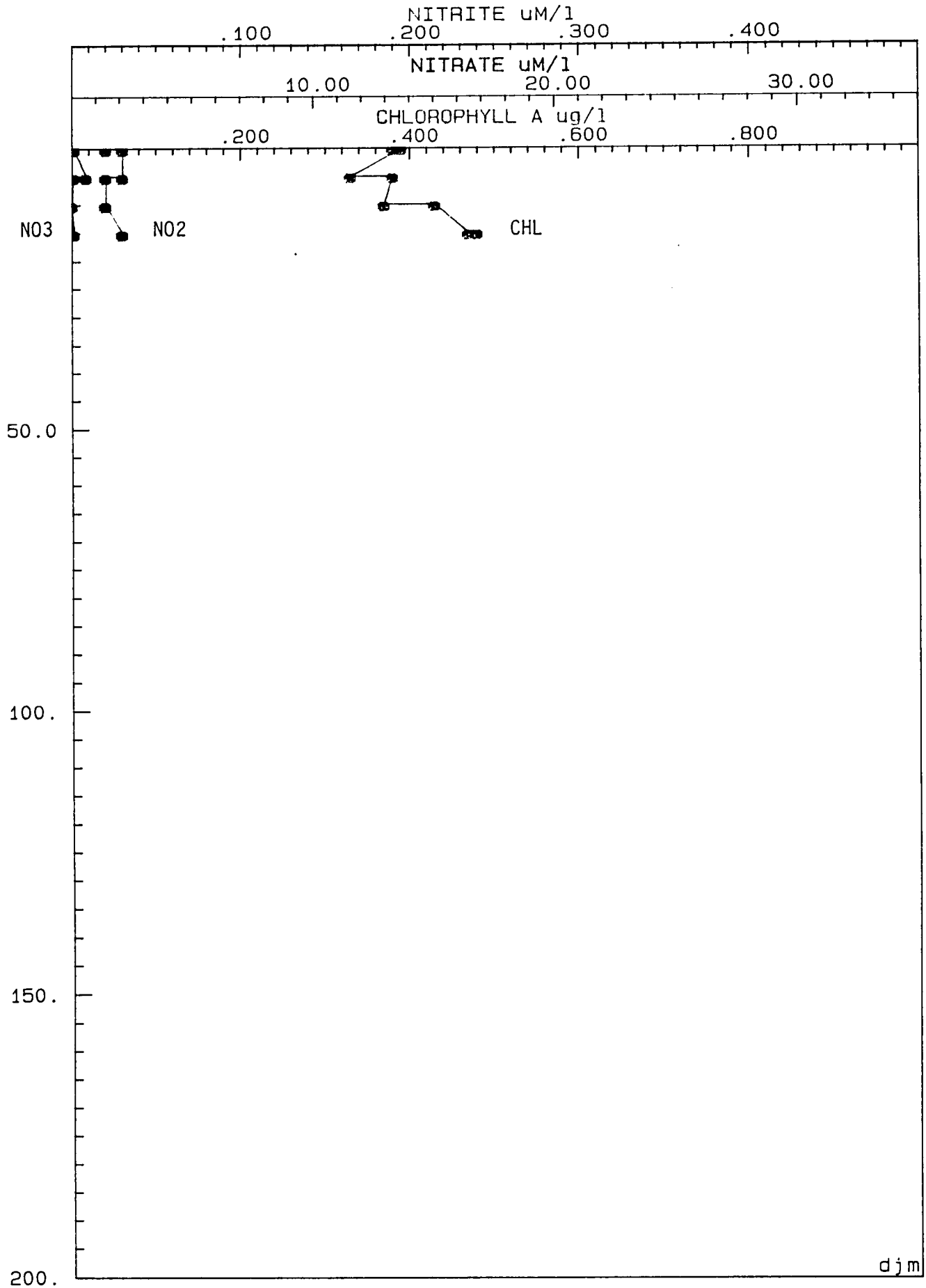
BOTTLE DATA

The following tables and plots summarize chlorophyll, dissolved oxygen, and nutrient analyses run at sea on samples collected by rosette multisampler. In the tables, T = CTD temp; S = bottle salinity; and DO = dissolved oxygen (ml/liter). Concentrations of nutrients are reported as µmoles/liter, where NO3 = nitrate; NO2 = nitrite; NH4 = ammonium; SiOH4 = silicate; and PO4 = phosphate. Concentrations of chlorophyll (CHL) and total phaeopigments (PHAEO) are reported as ug/liter.

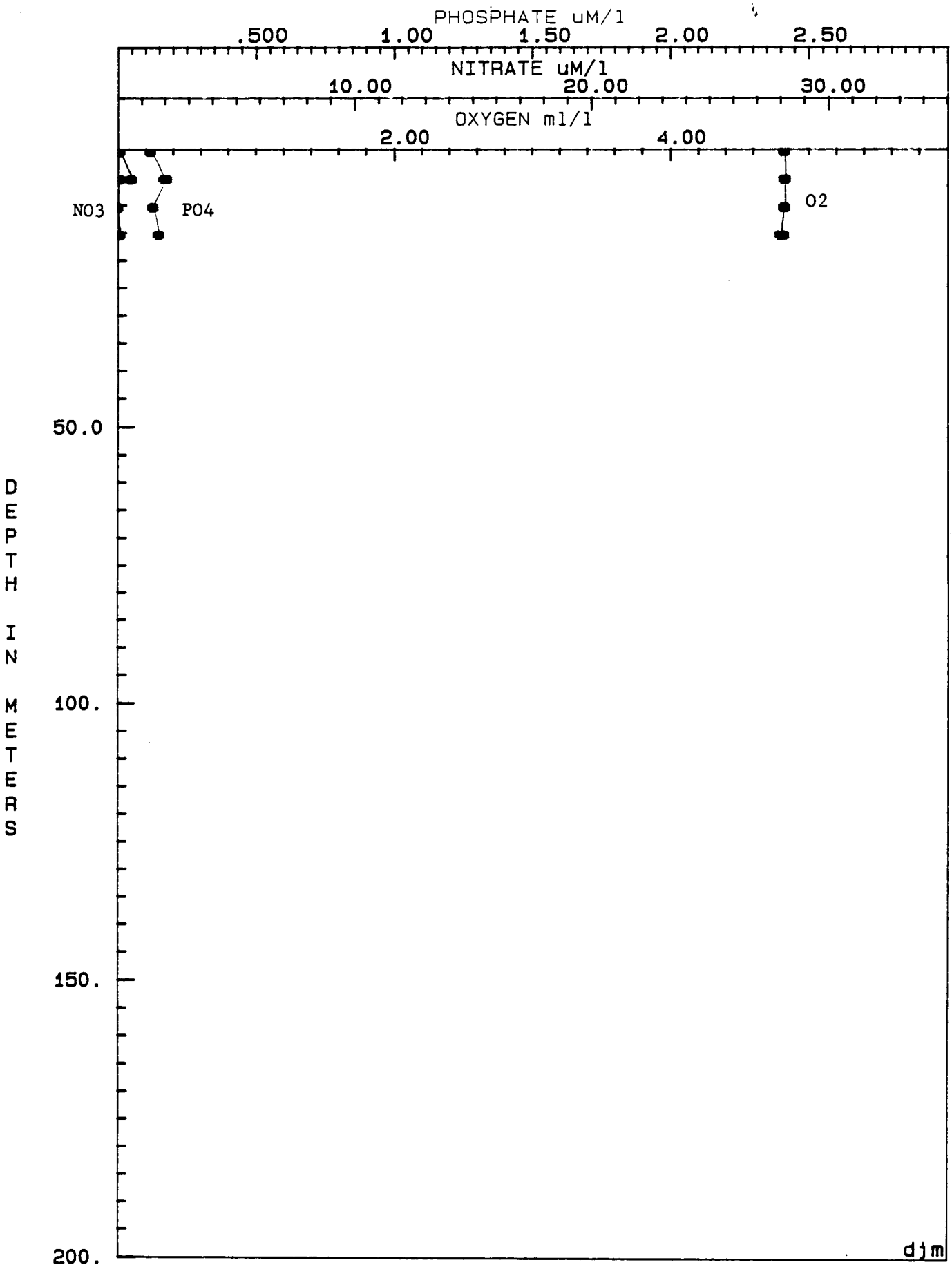
A summary map of chlorophyll (mg/m2) integrated from surface to 100m is included, as are cumulative property-property plots for all CTD stations illustrating nitrate-temperature, phosphate-temperature, and silicate-temperature relationships.

GMT 0841
15 Oct 88 28 53.7 94.19 7 B88G05
Station 1

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
10	0	24.98	34.696	4.83	0.1	0.02	<0.1	0.1	6.0	0.15	0.38	0.10
9	0	24.98	34.697	4.83	0.1	0.03	<0.1	<0.1	6.1	0.15	0.39	0.10
8	5	24.96	34.699	4.83	0.6	0.03	<0.1	<0.1	5.9	0.13	0.33	0.13
7	5	24.96	34.703	4.83	0.1	0.02	0.1	0.3	6.1	0.13	0.38	0.11
6	10	24.92	34.693	4.83	<0.1	0.02	<0.1	<0.1	6.0	0.18	0.37	0.10
5	10	24.92	34.693	4.83	<0.1	0.02	<0.1	<0.1	5.8	0.17	0.43	0.10
4	15	24.91	34.704	4.80	0.1	0.03	<0.1	0.1	5.8	0.12	0.47	0.17
3	15	24.91	34.703	4.82	0.1	0.03	<0.1	0.3	5.9	0.12	0.48	0.12
											$\sum_{i=0}^{15m} CHL = 5.9$	



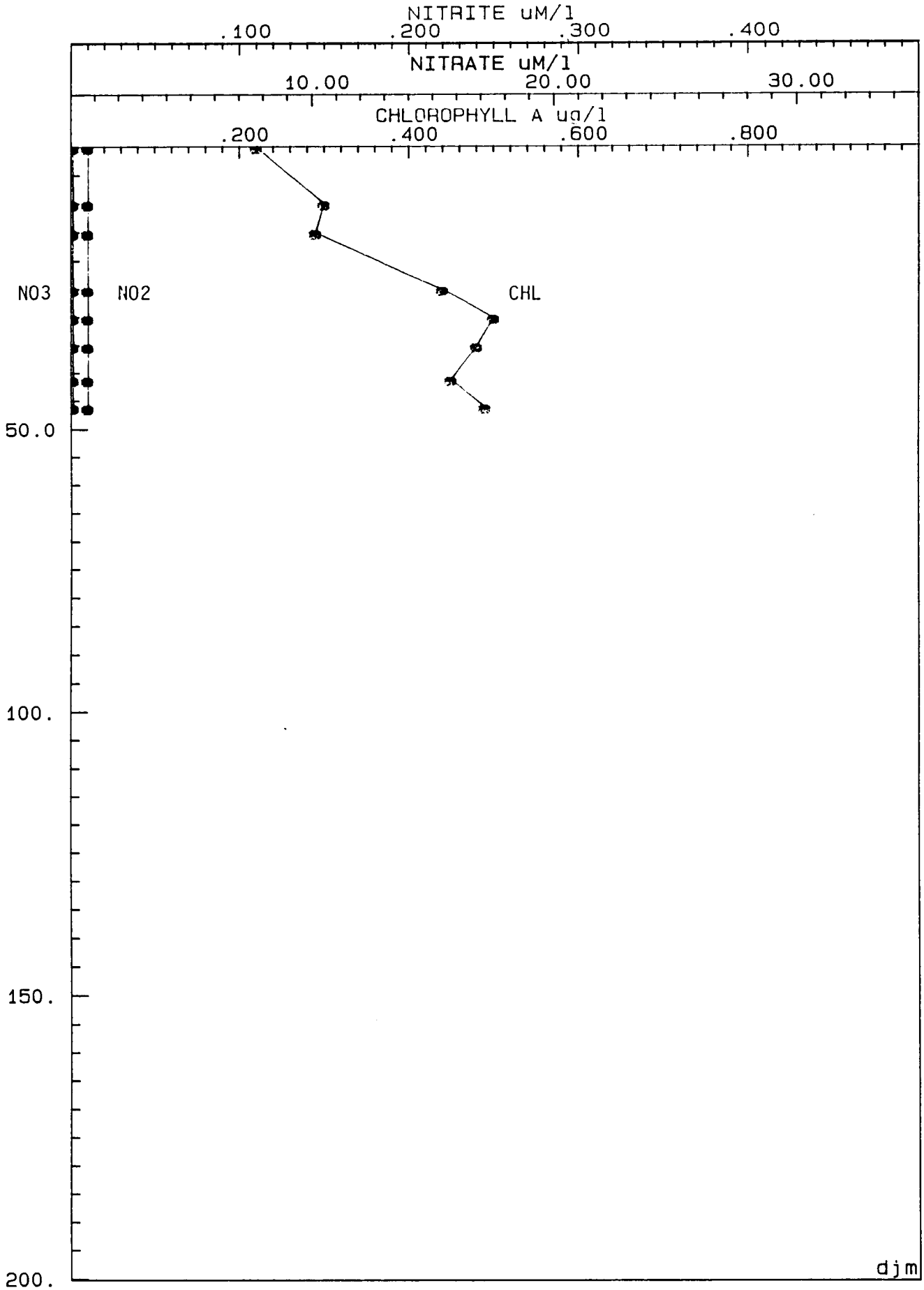
CRUISE: 88G05 STATION: B88G05*001*1 DATE: 15OCT88
LATITUDE: 28 53.7 LONGITUDE: 94 19.7



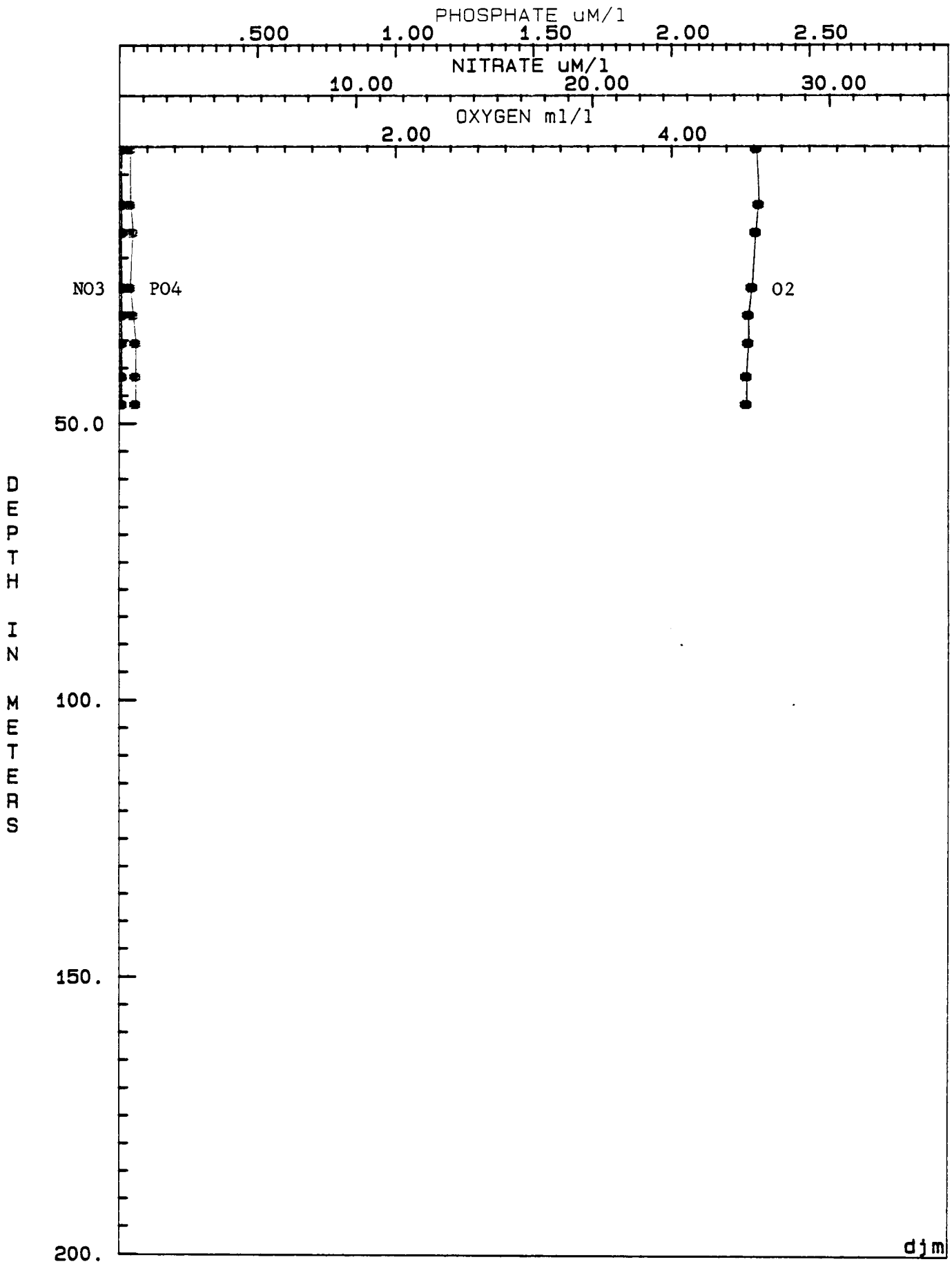
CRUISE: 88G05 STATION: B88G05*001*1 DATE: 15OCT88
LATITUDE: 28 53.7 LONGITUDE: 94 19.7

GMT 2340 15 Oct 88 28 22.9 93 56.2 B88G05 station 3

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
20	0	26.42	36.361	4.62	0.1	0.01	<0.1	0.4	2.5	0.04	0.22	0.10
18	10	26.39	36.351	4.64	0.1	0.01	<0.1	0.4	2.4	0.04	0.30	0.17
17	15	26.33	36.359	4.61	0.1	0.01	<0.1	0.5	2.5	0.05	0.29	0.18
15	25	26.32	36.359	4.59	0.1	0.01	<0.1	0.0	2.3	0.04	0.44	0.20
14	30	26.29	36.357	4.56	0.1	0.01	<0.1	0.8	2.4	0.05	0.50	0.29
13	35	26.28	36.357	4.56	0.1	0.01	<0.1	0.6	2.6	0.06	0.48	0.25
12	41	26.28	36.358	4.55	0.1	0.01	<0.1	0.8	2.6	0.06	0.45	0.27
11	46	26.28	36.354	4.55	0.1	0.01	<0.1	1.5	2.6	0.06	0.49	0.28
											$\sum_{i=0}^{46m} CHL = 17.7$	



CRUISE: 88G05 STATION: B88G05*003*1 DATE: 15OCT88
LATITUDE: 28 22.9 LONGITUDE: 93 56.2

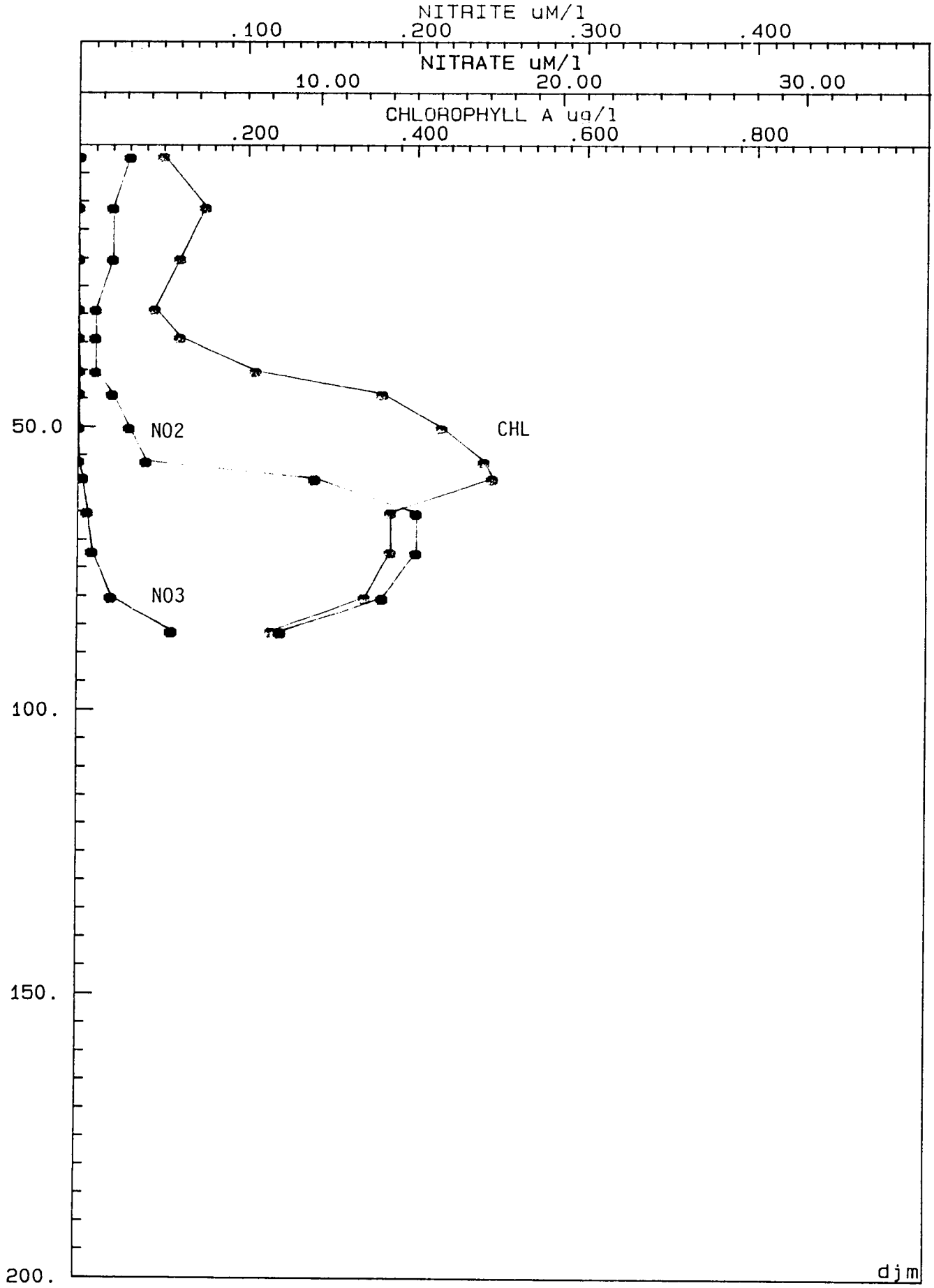


CRUISE: 88G05 STATION: B88G05*003*1 DATE: 15OCT88
LATITUDE: 28 22.9 LONGITUDE: 93 56.2

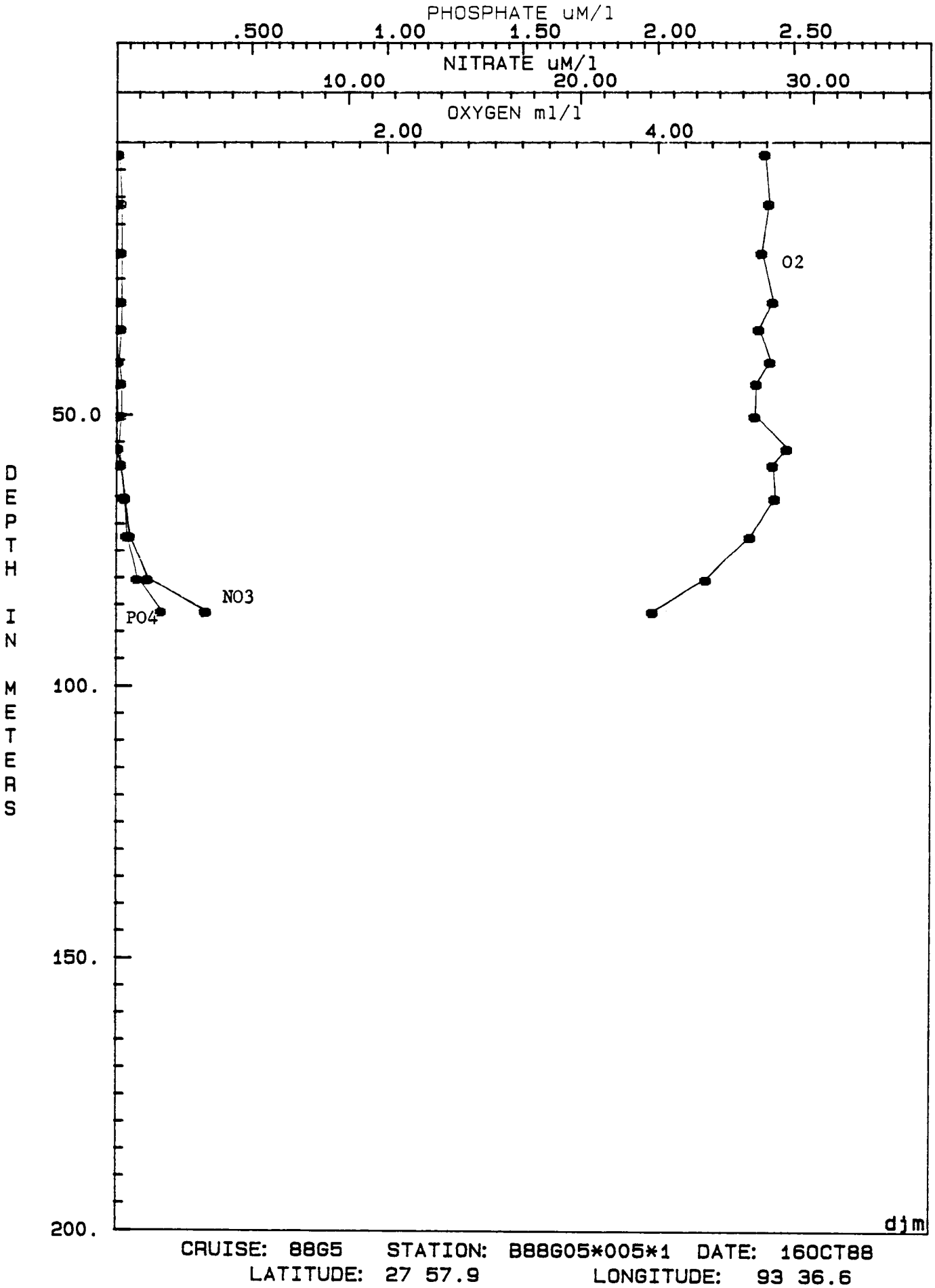
GMT 0545
16 Oct 88 27 59.9 93 36.6 B88G05 Station 5

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
16	2	26.49	36.144	4.79	<0.1	0.03	0.4	0.4	2.6	0.01	0.10	0.09
15	11	26.49	36.145	4.82	<0.1	0.02	<0.1	0.2	2.2	0.02	0.15	0.10
14	20	26.49	36.145	4.76	<0.1	0.02	<0.1	0.2	2.2	0.02	0.12	0.09
13	29	26.24	36.107	4.85	<0.1	0.01	<0.1	0.1	2.2	0.02	0.09	0.07
12	34	26.27	36.227	4.74	<0.1	0.01	<0.1	<0.1	2.0	0.02	0.12	0.11
11	40	26.49	36.402	4.83	0.1	0.01	<0.1	<0.1	1.9	0.01	0.21	0.07
10	44	26.48	36.453	4.73	0.1	0.02	<0.1	0.2	2.4	0.02	0.36	0.37
9	50	26.04	36.453	4.71	<0.1	0.03	<0.1	0.3	2.4	0.02	0.43	0.38
8	56	24.06	36.492	5.00	<0.1	0.04	<0.1	0.4	1.9	0.01	0.48	0.36
7	59	22.68	36.488	4.85	0.2	0.14	<0.1	0.5	1.6	0.02	0.49	0.32
6	65	22.23	36.479	4.86	0.4	0.20	<0.1	0.4	1.7	0.03	0.37	0.32
5	72	21.90	36.466	4.68	0.6	0.20	<0.1	0.3	1.7	0.04	0.37	0.42
4	80	21.24	36.448	4.35	1.4	0.18	0.4	0.3	2.0	0.08	0.34	0.35
3	86	20.74	36.440	3.46	3.9	0.12	<0.1	<0.1	2.5	0.17	0.23	0.36

$\sum_{i=0}^{86m} CHL = 22.4$



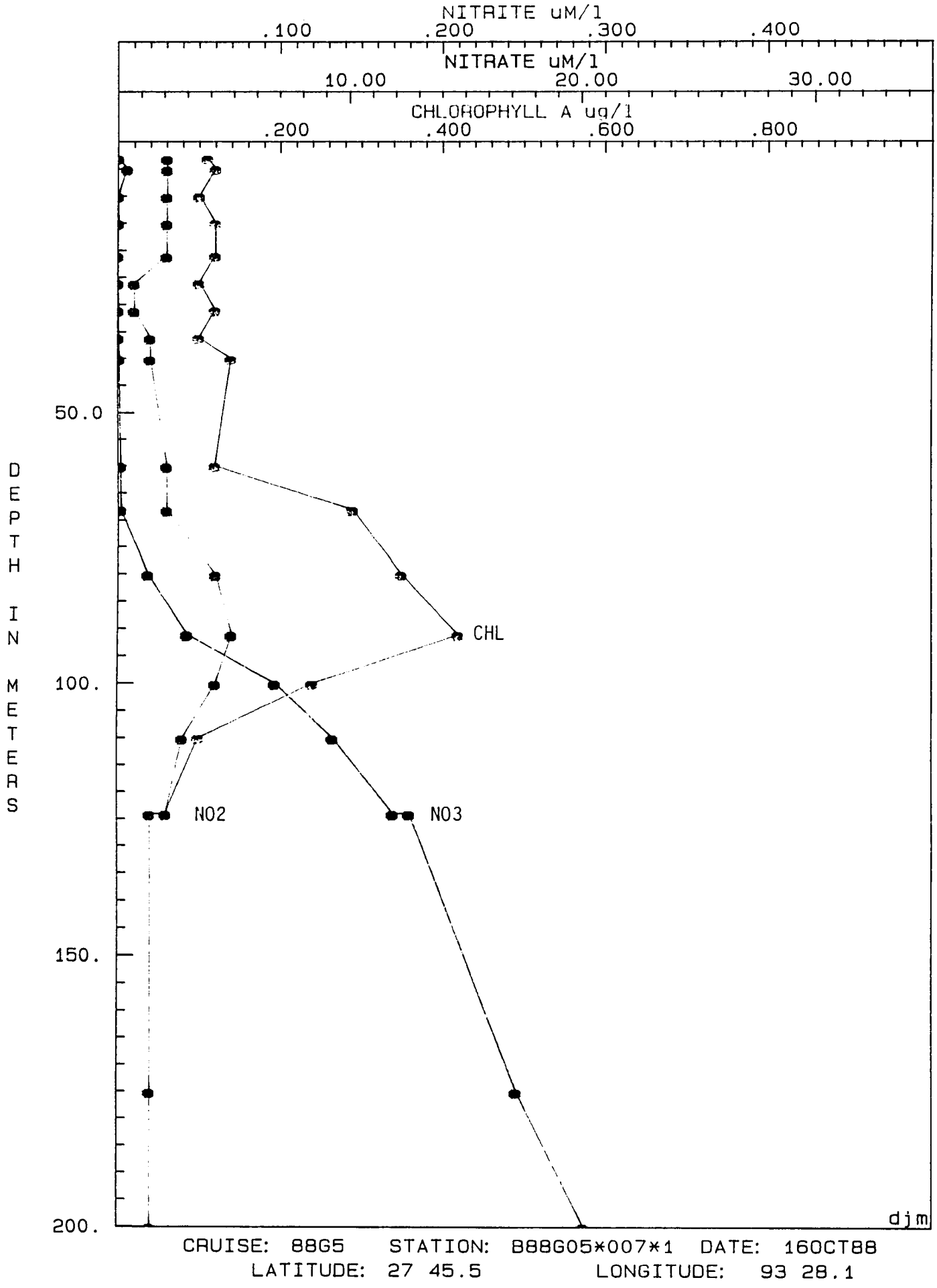
CRUISE: 88G5 STATION: B88G05*005*1 DATE: 16OCT88
LATITUDE: 27 57.9 LONGITUDE: 93 36.6



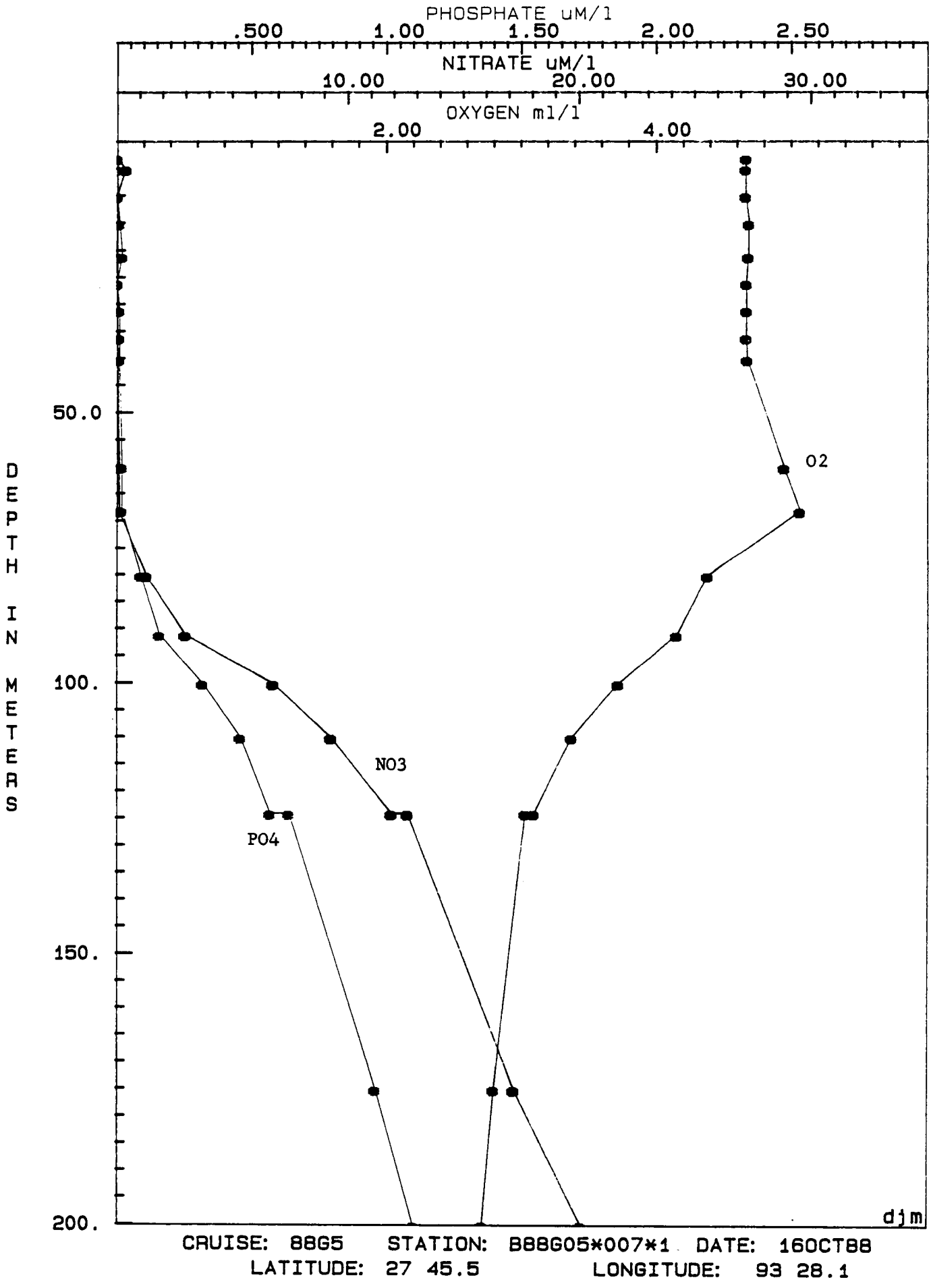
CRUISE: 88G5 STATION: B88G05*005*1 DATE: 160CT88
LATITUDE: 27 57.9 LONGITUDE: 93 36.6

GMT 1220 27 45.5 B88605
16 OCT 88 93 28.1 STATION 7

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAE
21	3	26.54	36.438	4.66	<0.1	0.03	<0.1	1.5	1.4	<0.01	0.11	0.0
20	5	26.54	36.439	4.66	0.4	0.03	<0.1	1.7	1.3	<0.01	0.12	0.07
19	10	26.55	36.439	4.66	<0.1	0.03	0.1	1.0	1.4	<0.01	0.10	0.08
18	15	26.56	36.439	4.69	<0.1	0.03	0.1	0.6	1.5	0.01	0.12	0.08
17	21	26.56	36.438	4.68	<0.1	0.03	0.1	0.5	1.5	0.02	0.12	0.09
16	26	26.56	36.439	4.67	<0.1	0.01	<0.1	0.5	1.2	<0.01	0.10	0.09
15	31	26.56		4.67	<0.1	0.01	<0.1	0.1	1.4	0.01	0.12	0.08
14	36	26.56	36.440	4.67	<0.1	0.02	<0.1	0.2	1.4	0.01	0.10	0.13
13	40	26.57	36.446	4.67	0.1	0.02	0.1	0.6	1.3	0.01	0.14	0.10
12	60	25.90	36.486	4.95	0.12	0.03	0.1	0.3	1.3	0.02	0.12	0.09
11	68	23.09	36.492	5.06	0.13	0.03	0.1	0.4	1.2	0.02	0.29	0.19
10	80	21.48	36.489	4.38	1.3	0.06	0.1	0.4	1.9	0.09	0.35	0.23
9	91	20.96	36.474	4.15	3.0	0.07	0.1	0.7	2.1	0.16	0.42	0.47
8	100	20.12	36.444	3.72	6.8	0.06	<0.1	0.6	2.7	0.32	0.24	0.26
7	110	19.32	36.415	3.38	9.3	0.04	<0.1	0.6	3.6	0.46	0.10	0.19
6	124	18.31	36.383	3.10	11.9	0.03	<0.1	0.1	4.1	0.57	0.06	0.08
5	124	18.31	36.340	3.03	12.6	0.02	<0.1	0.5	4.6	0.64	$\sum_{i=0}^{100\,m} CHL = 19.8$	
3	175	15.88	36.053	2.80	17.2	0.02	<0.1	0.9	6.6	0.96		
2	200	14.50	35.873	2.71	20.1	0.02	<0.1	0.1	8.0	1.10		
1	220	14.06	35.802	2.69	20.9	0.04	<0.2	0.6	8.9	1.15		



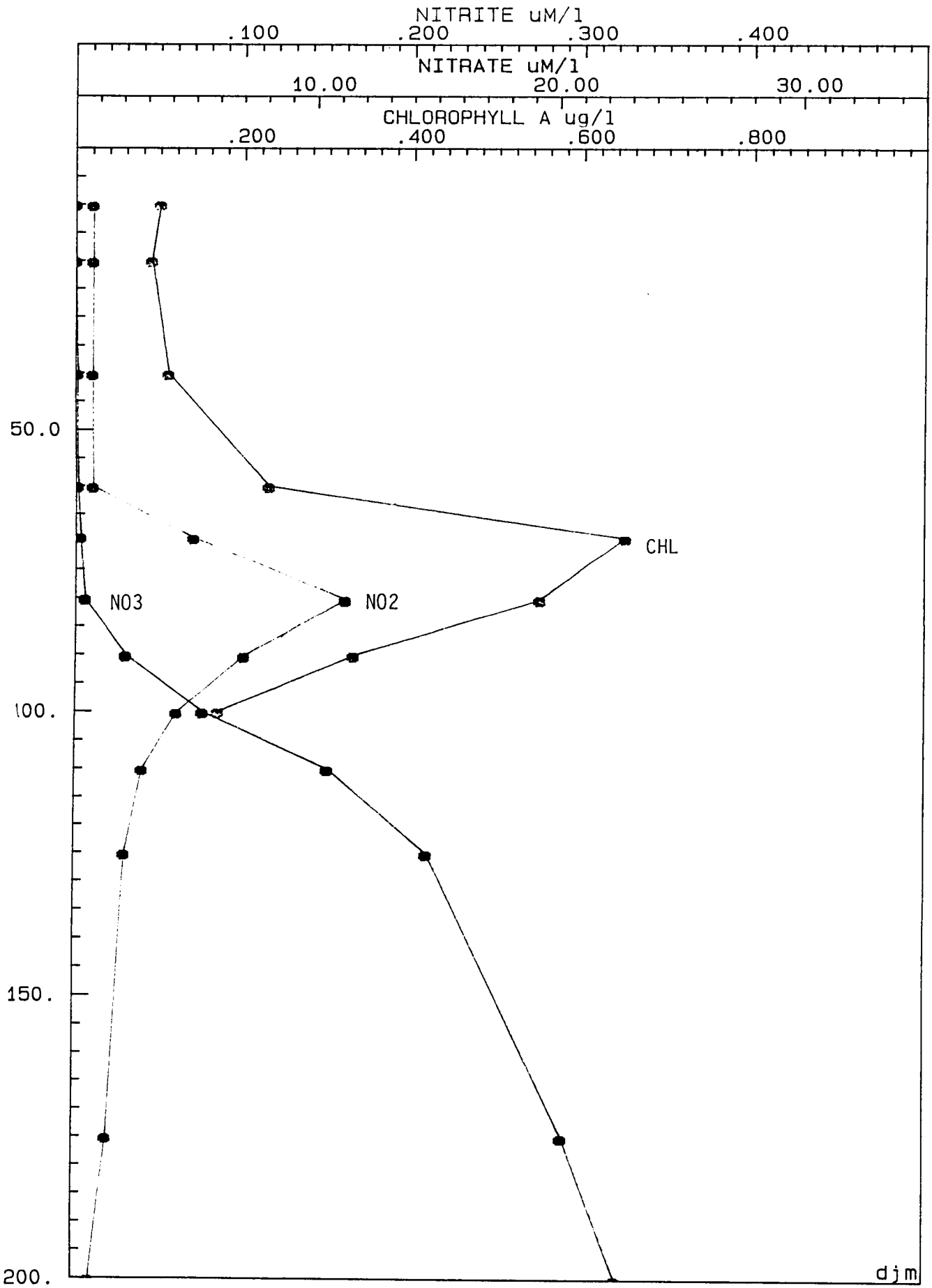
CRUISE: 88G5 STATION: B88G05*007*1 DATE: 160CT88
LATITUDE: 27 45.5 LONGITUDE: 93 28.1



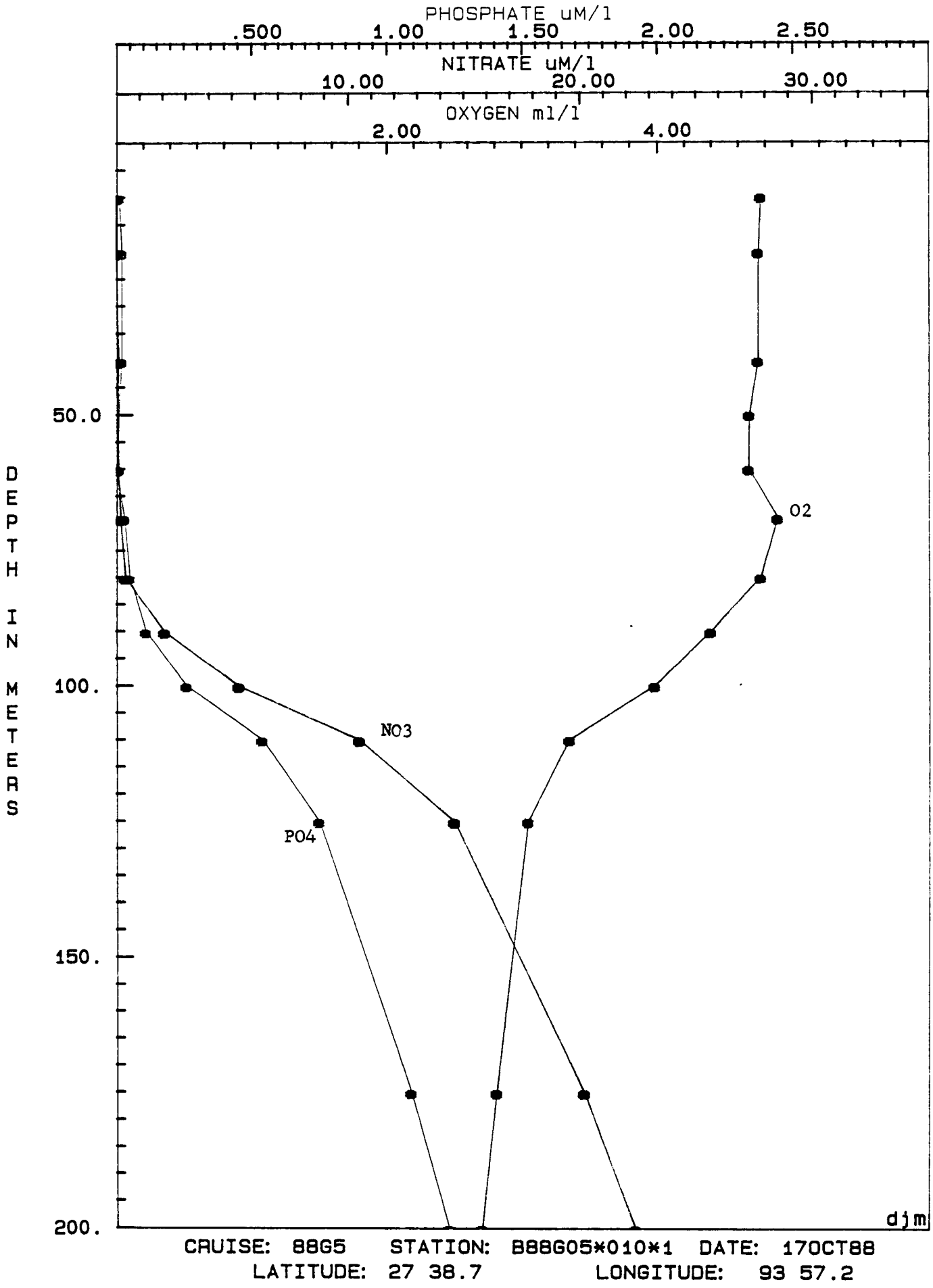
CRUISE: 88G5 STATION: 888G05*007*1 DATE: 16OCT88
LATITUDE: 27 45.5 LONGITUDE: 93 28.1

GMT 0312 27 38.7 BBBG05
17 OCT 88 93 57.2 STATION 10

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	26.81	36.380	4.77	<0.1	0.01	<0.1	0.1	2.0	0.01	0.10	0.06
23	20	26.78	36.384	4.75	<0.1	0.01	<0.1	1.2	2.0	0.02	0.09	0.06
21	40	26.75	36.398	4.75	0.1	0.01	<0.1	0.2	1.8	0.02	0.11	0.09
20	50	26.75		4.68								
19	60	26.61	36.461	4.68	0.1	0.01	<0.1	0.8	1.8	<0.01	0.23	0.14
18	69	23.87	36.486	4.89	0.2	0.07	<0.1	0.3	1.7	0.03	0.65	0.58
17	80	22.28	36.491	4.77	0.4	0.16	<0.1	0.6	2.0	0.05	0.55	0.47
16	90	21.29	36.479	4.40	2.1	0.10	<0.1	0.8	1.8	0.11	0.33	0.38
15	100	20.15	36.450	3.98	5.3	0.06	<0.1	0.2	2.1	0.26	0.17	0.23
14	110	19.02	36.368	3.35	10.5	0.04	<0.1	0.3	4.2	0.54	$\sum_{i=0}^{100m}$ CHL = 24.9	
13	125	17.13	36.233	3.05	14.6	0.03	<0.1	0.4	4.9	0.75		
11	175	14.73	35.885	2.82	20.2	0.02	<0.1	0.4	7.4	1.09		
10	200	13.64	35.727	2.71	22.4	0.01	<0.1	0.4	9.4	1.23		
9	225	13.24	35.683	2.68	22.9	0.01	<0.1	0.2	9.5	1.27		
8	250	12.53	35.585	2.66	24.2	0.01	<0.1	0.0	10.5	1.37		
7	275	11.93	35.484	2.64	25.7	0.01	<0.1	0.08	11.2	1.47		
6	300	11.21	35.402	2.67	26.4	0.02	<0.1	0.01	12.1	1.53		
5	350	10.27	35.244	2.68	28.7	0.01	<0.1	0.1	14.5	1.62		
4	400	9.86	35.197	2.67	29.2	0.01	<0.1	0.5	15.4	1.71		
3	450	9.35	35.140	2.66	30.0	0.01	<0.1	0.6	16.1	1.76		
2	500	8.83	35.075	2.70	30.8	0.01	<0.1	0.8	17.9	1.78		



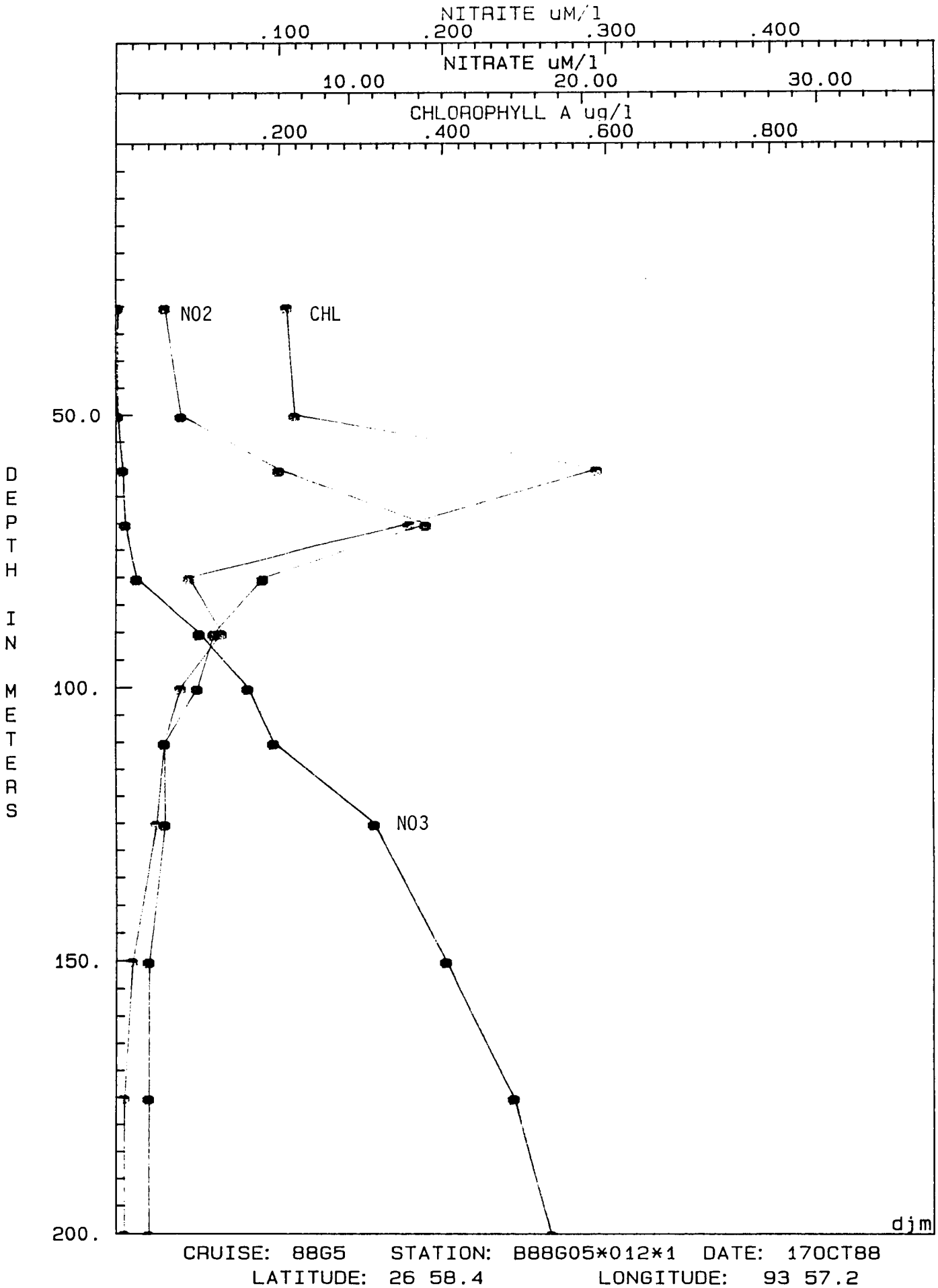
CRUISE: 88G5 STATION: B88G05*010*1 DATE: 17OCT88
LATITUDE: 27 38.7 LONGITUDE: 93 57.2



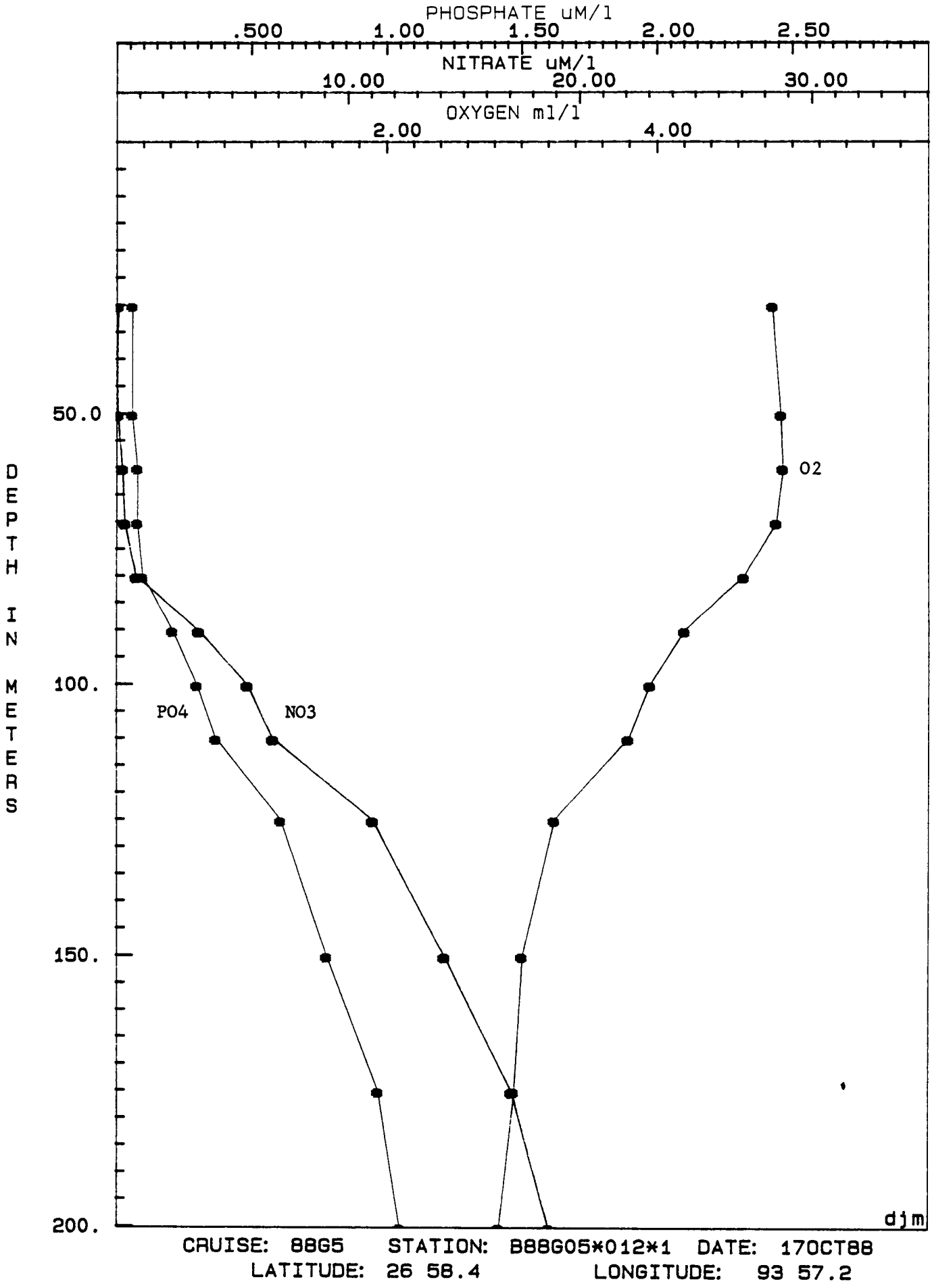
CRUISE: 88G5 STATION: B88G05*010*1 DATE: 17OCT88
LATITUDE: 27 38.7 LONGITUDE: 93 57.2

GMT 1240 26 58.4 BBEGOS
17 OCT 88 93 57.2 STATION 12

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
22	30	26.67	36.499	4.85	0.1	0.03	0.06	0.3	2.3	0.06	0.21	0.08
21	50	26.04	36.467	4.92	0.1	0.04	<0.1	0.2	2.3	0.06	0.22	0.15
20	60	23.61	36.502	4.93	0.3	0.10	<0.1	0.2	2.0	0.08	0.59	0.35
19	70	22.58	36.480	4.88	0.4	0.19	<0.1	0.1	1.6	0.08	0.36	0.41
18	80	21.54	36.443	4.64	0.9	0.09	<0.1	<0.1	2.0	0.1	0.09	0.58
17	90	21.06	36.465	4.21	3.6	0.06	<0.1	0.2	2.1	0.21	0.13	0.25
16	100	20.57	36.455	4.00	5.7	0.05	<0.1	<0.1	2.7	0.30	0.08	0.16
15	110	20.00	36.452	3.80	6.8	0.03	<0.1	<0.1	2.8	0.37	0.06	0.10
14	125	19.35	36.381	3.25	11.1	0.03	<0.1	0.4	4.2	0.61	0.05	0.08
13	150	17.44	36.272	3.01	14.2	0.02	<0.1	0.05	5.1	0.78	0.02	0.04
12	175	15.96	36.066	2.95	17.1	0.02	<0.1	0.05	6.5	0.97	<0.01	0.01
11	200	14.74	35.975	2.84	18.7	0.02	<0.1	0.2	7.2	1.05	<0.01	0.01
10	250	13.09	35.718	2.70	22.2	0.01	<0.1	0.3	9.9	1.26	$\sum_{i=0}^{100m} CHL = 2.38$	
9	400	9.54	35.181	2.97	27.4	0.01	<0.1	0.5	17.6	1.68		
8	460	9.54	35.164	2.65	29.4	0.01	<0.1	0.2	16.4	1.78		
7	500	8.15	34.999	2.79	31.2	0.01	<0.1	0.2	20.5	1.89		
6	598	6.97	34.919	3.03	31.8	0.02	0.07	0.4	23.2	1.97		
5	701	6.21	34.898	3.35	31.1	0.02	<0.1	0.1	25.0	1.95		
4	801	5.72	34.901	3.64	29.9	0.02	<0.1	0.2	26.1	1.89		
3	897	5.35	34.901	3.92	28.9	0.02	<0.1	0.4	26.6	1.83		
2	1075	4.96	34.932	4.25	27.4	0.02	<0.1	0.4	27.1	1.74		
1	1075	4.96	34.931	4.27	27.4	0.02	<0.1	1.2	27.0	1.71		



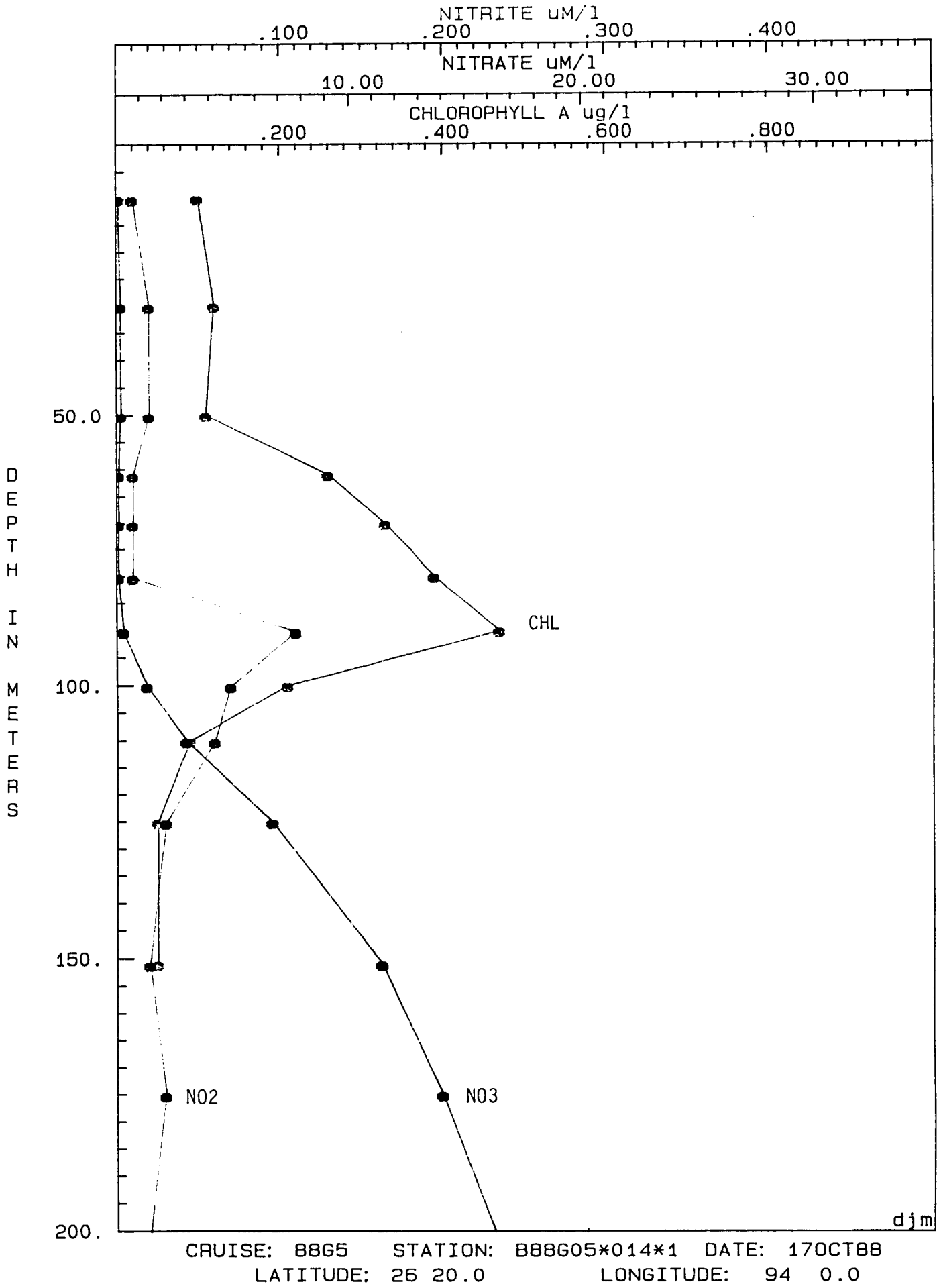
CRUISE: 88G5 STATION: B88G05*012*1 DATE: 17OCT88
LATITUDE: 26 58.4 LONGITUDE: 93 57.2



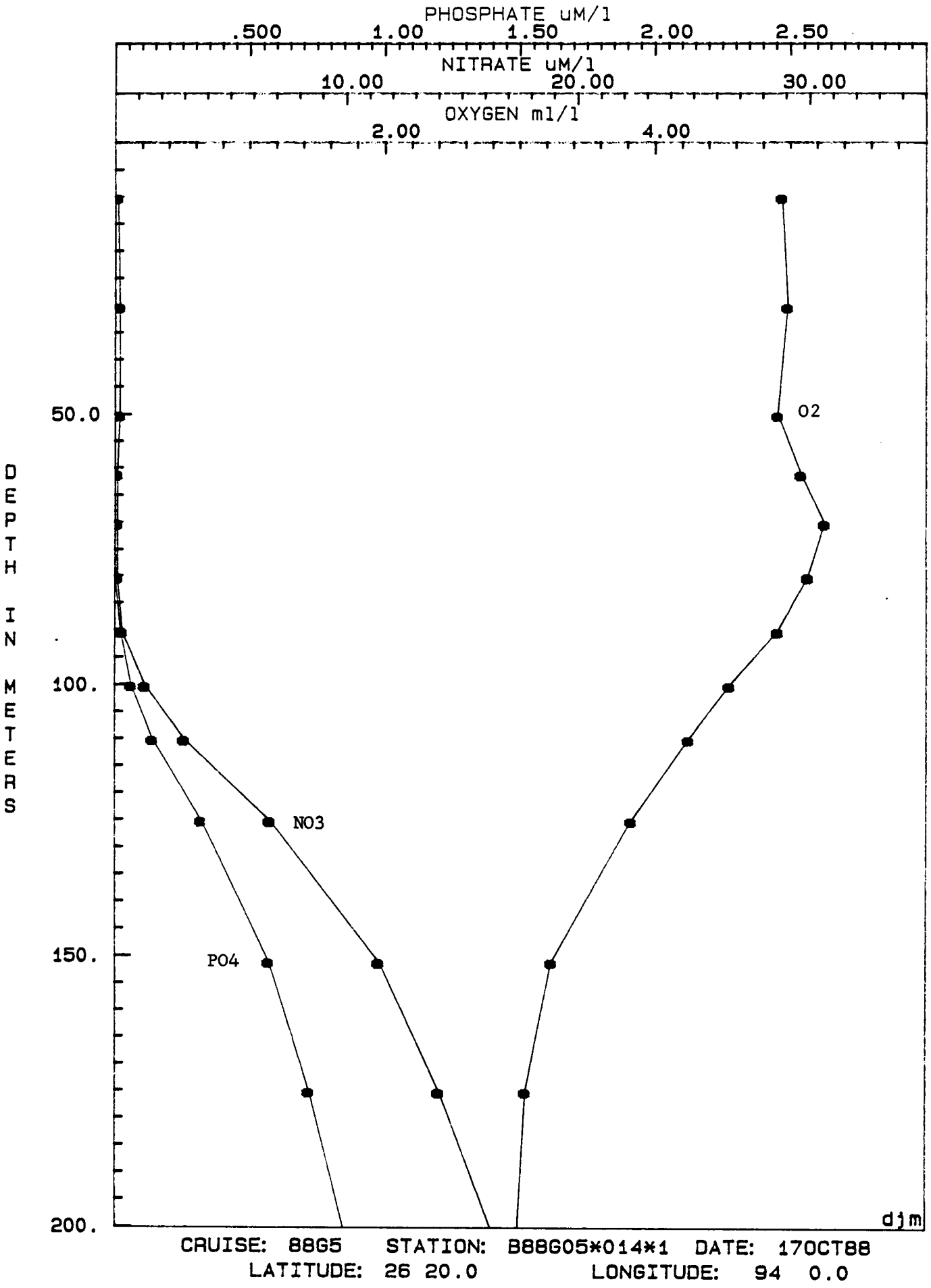
CRUISE: 88G5 STATION: B88G05*012*1 DATE: 17OCT88
LATITUDE: 26 58.4 LONGITUDE: 93 57.2

GMT 2108 17 Oct 88 — 26 20.0 — 940.0 — B88G05 Station 14

BOTTLE #	DEPTH	T	S‰	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	26.67	36.473	4.94	0.1	0.01	<0.1	0.1	1.3	<0.01	0.10	0.07
23	30	26.59	36.472	4.98	0.2	0.02	<0.1	0.1	1.3	<0.01	0.12	0.07
22	50	26.59	36.502	4.91	0.2	0.02	<0.1	0.1	1.3	<0.01	0.11	0.08
21	61	26.34	36.492	5.08	0.1	0.01	<0.1	0.3	1.5	<0.01	0.26	0.13
20	70	24.21	36.479	5.25	0.1	0.01	<0.1	0.5	1.9	<0.01	0.33	0.28
19	80	22.98	36.485	5.13	0.1	0.01	<0.1	0.7	1.3	<0.01	0.39	0.36
18	90	22.17	36.498	4.91	0.3	0.11	<0.1	0.7	1.2	0.02	0.47	0.48
17	100	21.48	36.483	4.60	1.3	0.07	<0.1	0.4	1.6	0.06	0.21	0.36
16	110	20.89	36.454	4.25	3.0	0.06	<0.1	0.4	1.8	0.14	0.09	0.25
15	125	19.94	36.449	3.83	6.7	0.03	<0.1	0.7	2.5	0.32	0.05	0.15
14	151	18.58	36.401	3.24	11.4	0.02	<0.1	<0.1	3.6	0.57	0.05	0.12
13	175	16.99	36.275	3.04	14.0	0.03	<0.1	0.4	4.7	0.72	$\sum_{i=0}^{100m}$ CHL = 21.5	
12	201	15.65	36.137	2.99	16.3	0.02	<0.1	0.4	5.6	0.85		
11	226	14.55	35.923	2.87	19.2	0.02	<0.1	0.4	7.6	1.04		
10	250	13.60	35.768	2.78	21.3	0.02	<0.1	0.7	9.1	1.16		
9	300	12.39	35.519	2.70	24.5	0.02	<0.1	0.6	11.5	1.37		
8	501	8.36	35.033	2.73	30.6	0.02	<0.1	0.4	19.0	1.80		
7	648	6.54	34.902	3.18	31.2	0.01	<0.1	0.4	23.8	1.89		
6	648	6.54	34.902	3.18	31.2	0.01	<0.1	0.6	23.8	1.88		
5	700	6.23	34.893	3.35	30.7	0.01	<0.1	0.0	24.4	1.86		
4	900	5.31	34.911	3.92	28.7	0.01	<0.1	0.2	25.9	1.76		
3	1100	4.72	34.943	4.54	26.0	0.02	<0.1	0.2	26.1	1.61		
2	1300	4.56	34.961	4.85	24.5	0.02	<0.1	0.2	25.8	1.51		
1	1300	4.36	34.960	4.87	24.3	0.02	<0.1	0.8	25.7	1.53		



CRUISE: 88G5 STATION: B88G05*014*1 DATE: 17OCT88
LATITUDE: 26 20.0 LONGITUDE: 94 0.0


PHOSPHATE uM/l
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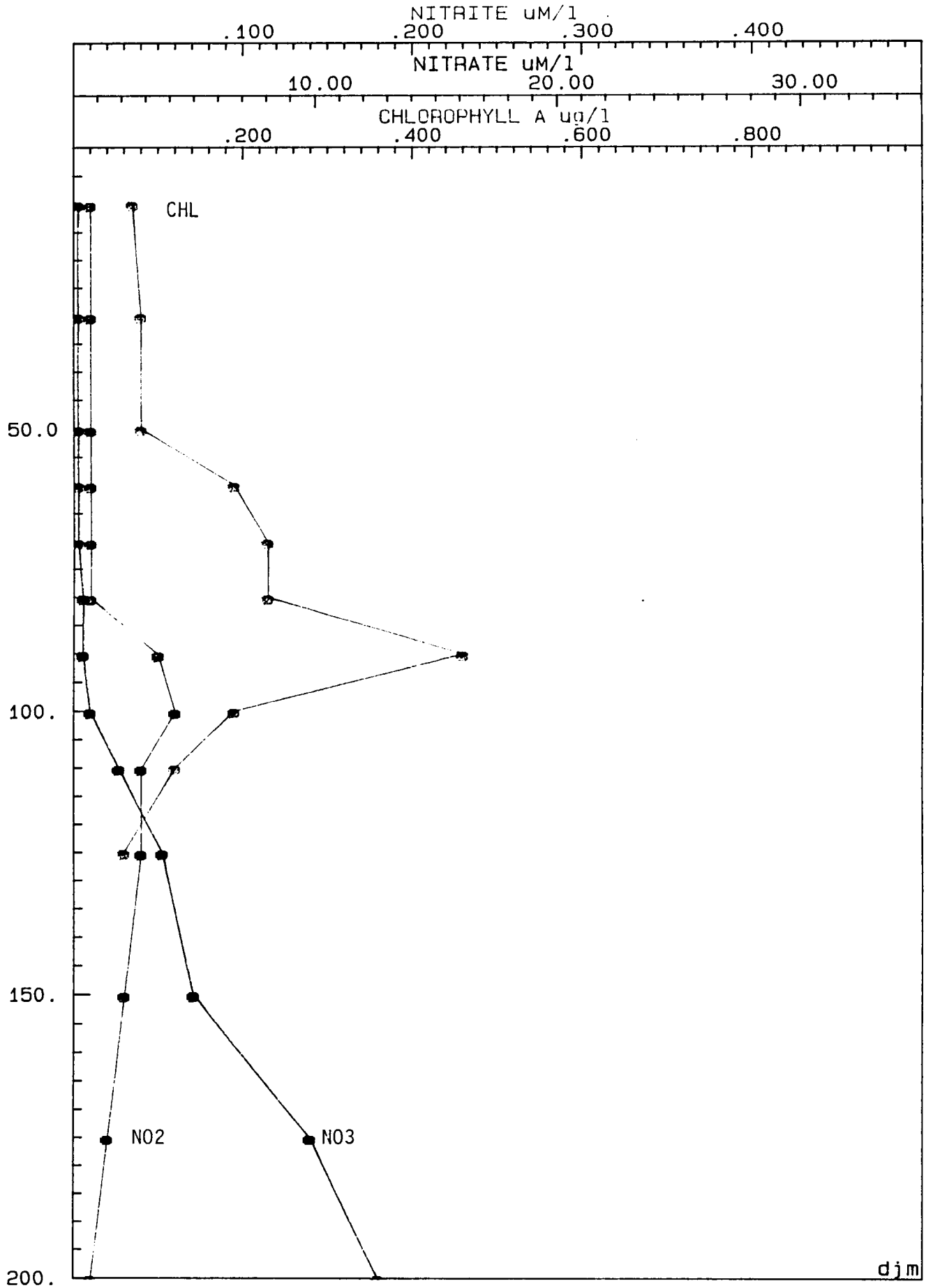
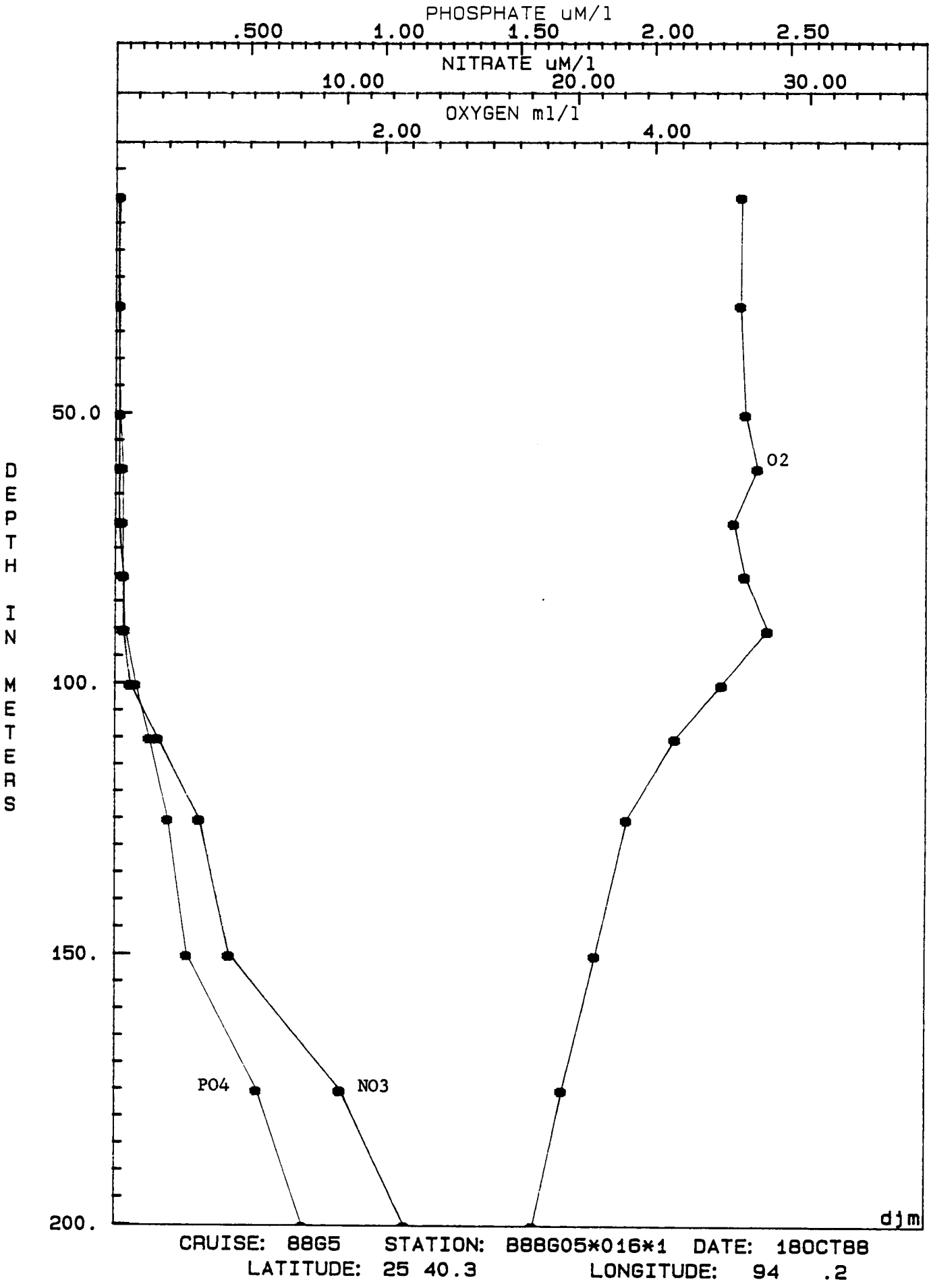
1.00
1.50
2.00
2.50
NITRATE uM/l
10.00
20.00
30.00
OXYGEN ml/l
2.00
4.00
50.0
100.
150.
200.
DEPTH IN METERS
O2
NO3
PO4
djm
CRUISE: 88G5 STATION: B88G05*014*1 DATE: 17OCT88
LATITUDE: 26 20.0 LONGITUDE: 94 0.0

GMT 0418 — B88G05
18 Oct 88 — 25 40.3 — 94 .2 — Station 16

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	27.28	36.476	4.64	0.2	0.01	0.1	<0.1	1.1	0.01	0.07	0.06
23	30	27.27	36.474	4.63	0.2	0.01	0.1	0.5	1.1	0.01	0.08	0.02
22	50	27.13	36.456	4.67	0.2	0.01	0.1	0.1	1.2	0.02	0.08	0.02
21	60	25.18	36.430	4.76	0.2	0.01	0.1	0.6	1.2	0.03	0.19	0.13
20	70	24.81	36.454	4.59	0.2	0.01	<0.1	0.3	1.2	0.03	0.23	0.19
19	80	23.87	36.496	4.67	0.4	0.01	<0.1	0.2	1.1	0.03	0.23	0.20
18	90	22.78	36.554	4.84	0.4	0.05	<0.1	0.5	1.1	0.04	0.46	0.43
17	100	22.42	36.582	4.49	0.7	0.06	<0.1	0.6	1.2	0.08	0.19	0.38
16	110	22.47	36.651	4.15	1.9	0.04	<0.1	0.3	1.4	0.13	0.12	0.24
15	125	22.02	36.797	3.80	3.7	0.04	<0.1	0.4	1.6	0.20	0.06	0.12
14	150	20.63	36.882	3.57	5.0	0.03	<0.1	0.4	1.8	0.27	$\sum_{100m}^{CEO} CHL = 16.5$	
13	175	18.78	36.467	3.32	9.8	0.02	<0.1	0.3	3.4	0.53		
12	200	17.73	36.347	3.11	12.6	0.01	<0.1	0.2	4.4	0.70		
11	250	15.55	36.033	2.76	17.7	0.01	<0.1	0.2	6.8	1.01		
10	300	14.14	35.809	2.70	20.7	0.01	<0.1	0.1	8.6	1.21		
9	400	11.45	35.433	2.58	25.7	0.01	<0.1	0.4	12.5	1.55		
8	500	9.27	35.130	2.60	29.7	0.01	<0.1	0.4	16.9	1.81		
7	600	7.67	34.968	2.81	31.1	0.01	<0.1	0.1	20.3	1.95		
6	700	6.72	34.907	3.18	31.0	0.01	0.1	0.3	23.0	1.99		
5	800	6.15	34.900	3.36	30.6	0.01	0.1	0.3	24.5	1.95		
4	900	5.62	34.907	3.69	29.3	0.01	0.1	0.4	25.9	1.88		
3	1000	5.12	34.923	4.02	28.2	0.01	0.1	0.6	26.3	1.80		
2	1250	4.46	34.954	4.57	25.7	0.01	<0.1	0.8	26.2	1.63		
1	1250	4.46	34.952	4.57	25.9	0.01	0.1	0.6	26.2	1.63		



CRUISE: 88G5 STATION: B88G05*016*1 DATE: 18OCT88
LATITUDE: 25 40.3 LONGITUDE: 94 .2

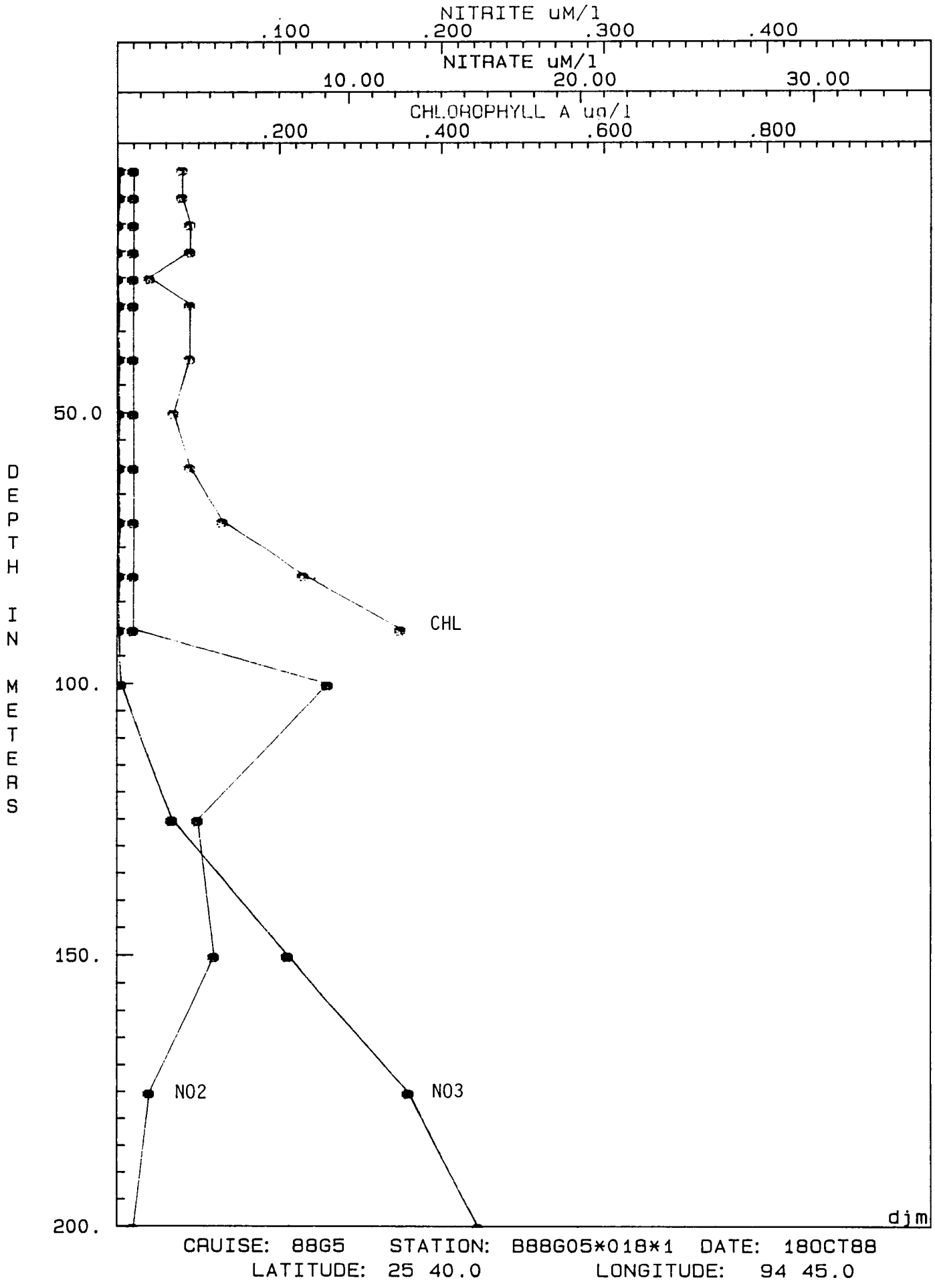


CRUISE: 88G5 STATION: 888G05*016*1 DATE: 18OCT88

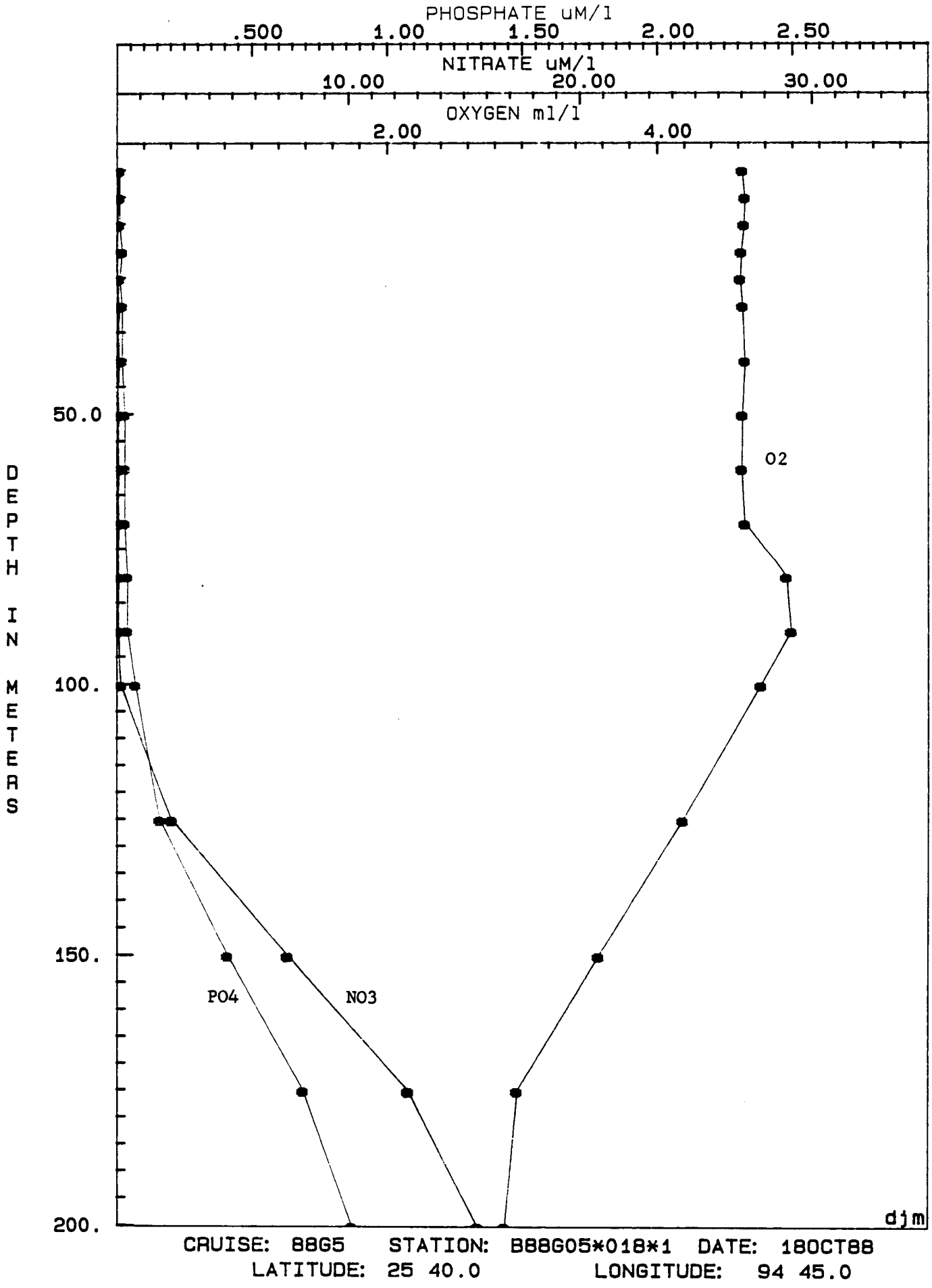
LATITUDE: 25 40.3 LONGITUDE: 94 .2

GMT 1117 B88605
18 oct 88 25 40.0 9445.0 Station 18

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	5	26.70	36.516	4.63	0.1	0.01	<0.1	0.2	0.6	0.01	0.08	0.06
23	10	26.70	36.513	4.65	0.1	0.01	<0.1	0.3	0.4	0.01	0.08	0.06
22	15	26.70	36.513	4.64	<0.1	0.01	0.05	0.2	0.5	0.01	0.09	0.07
21	20	26.70	36.512	4.62	<0.1	0.01	<0.1	0.6	0.6	0.02	0.09	0.06
20	25	26.70	36.511	4.62	<0.1	0.01	<0.1	0.2	0.6	0.01	0.04	0.10
19	30	26.70	36.513	4.63	0.1	0.01	<0.1	0.2	0.7	0.02	0.09	0.07
18	40	26.71	36.514	4.65	0.1	0.01	<0.1	0.0	0.5	0.02	0.09	0.07
17	50	26.71	36.524	4.63	0.1	0.01	<0.1	0.3	0.7	0.03	0.07	0.05
16	60	26.70	36.540	4.63	0.1	0.01	<0.1	0.1	0.7	0.03	0.09	0.07
15	70	26.54	36.565	4.65	0.1	0.01	<0.1	0.3	0.6	0.03	0.13	0.10
14	80	24.19	36.493	4.96	0.1	0.01	<0.1	0.4	0.7	0.04	0.23	0.20
13	90	22.93	36.483	5.00	0.1	0.01	<0.1	0.2	0.4	0.04	0.35	0.42
12	100	22.22	36.498	4.77	0.2	0.13	<0.1	0.2	0.3	0.07	≈0.2	
10	125	20.92	36.470	4.19	2.4	0.05	<0.1	0.2	0.9	0.16	$\sum_{z=0}^{100m} CHL$	=13.4
9	150	19.49	36.413	3.57	7.4	0.06	<0.1	0.4	2.0	0.41		
8	175	18.00	36.336	2.97	12.6	0.02	0.05	0.2	2.9	0.69		
7	200	16.53	36.176	2.87	15.6	0.01	<0.1	<0.1	4.4	0.87		
6	250	14.12	35.815	2.80	19.9	0.01	<0.1	0.4	7.1	1.16		
5	300	12.79	35.607	2.65	22.8	0.01	<0.1	0.4	9.0	1.36		
4	400	10.46	35.292	2.56	26.8	0.01	<0.1	<0.1	12.6	1.63		
3	500	8.35	35.044	2.68	30.0	0.01	<0.1	0.1	17.5	1.84		
2	700	6.22	34.898		30.0	0.01	<0.1	0.2	23.2	1.92		
1	700	6.22	34.895	3.27	30.1	0.01	<0.1	0.2	23.4	1.91		



CRUISE: 88G5 STATION: B88G05*018*1 DATE: 18OCT88
LATITUDE: 25 40.0 LONGITUDE: 94 45.0



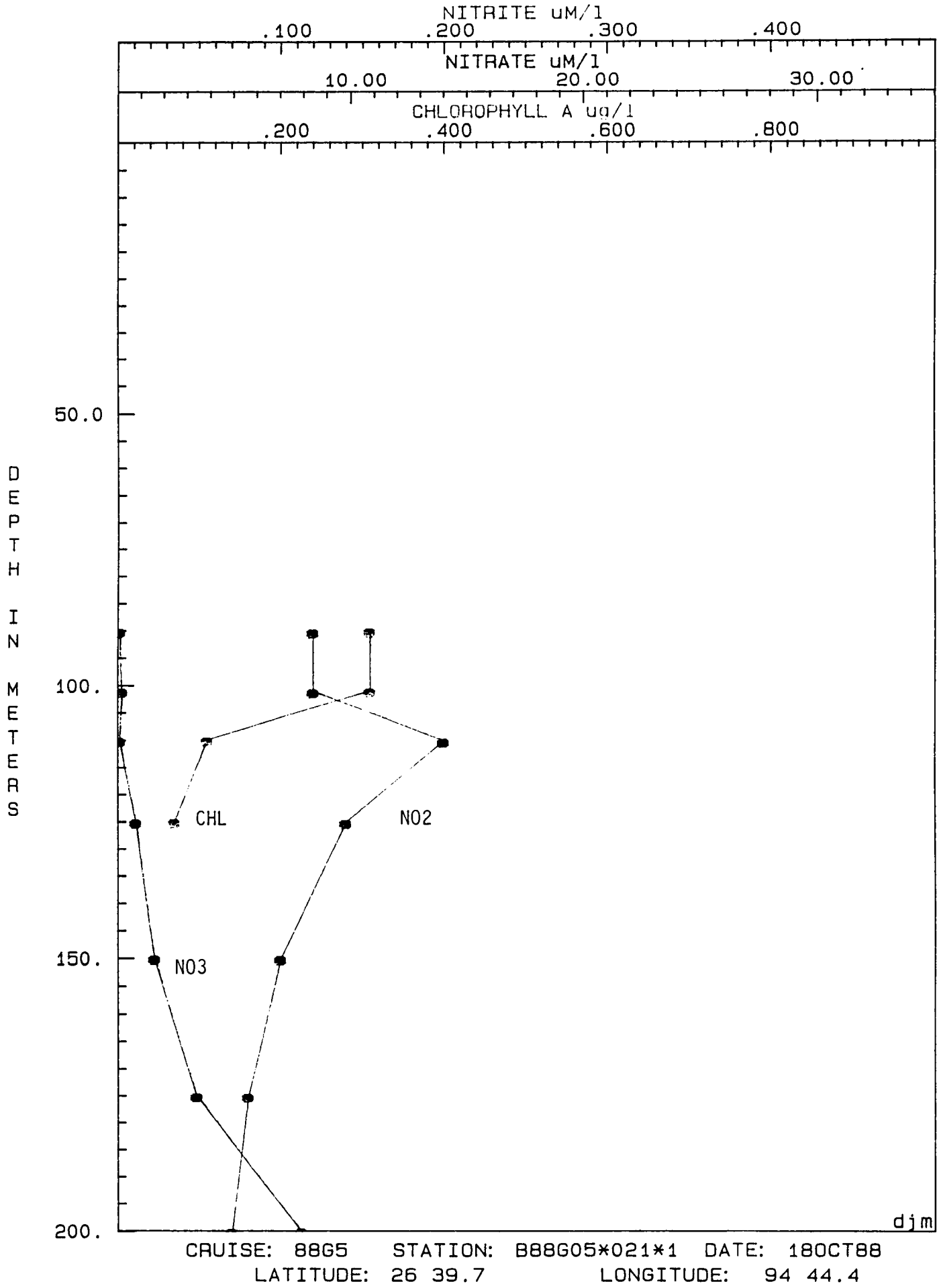
CRUISE: 88G5 STATION: B88G05*018*1 DATE: 18OCT88
LATITUDE: 25 40.0 LONGITUDE: 94 45.0

GMT 2350
18 Oct 88

26 39.7 94 44.4

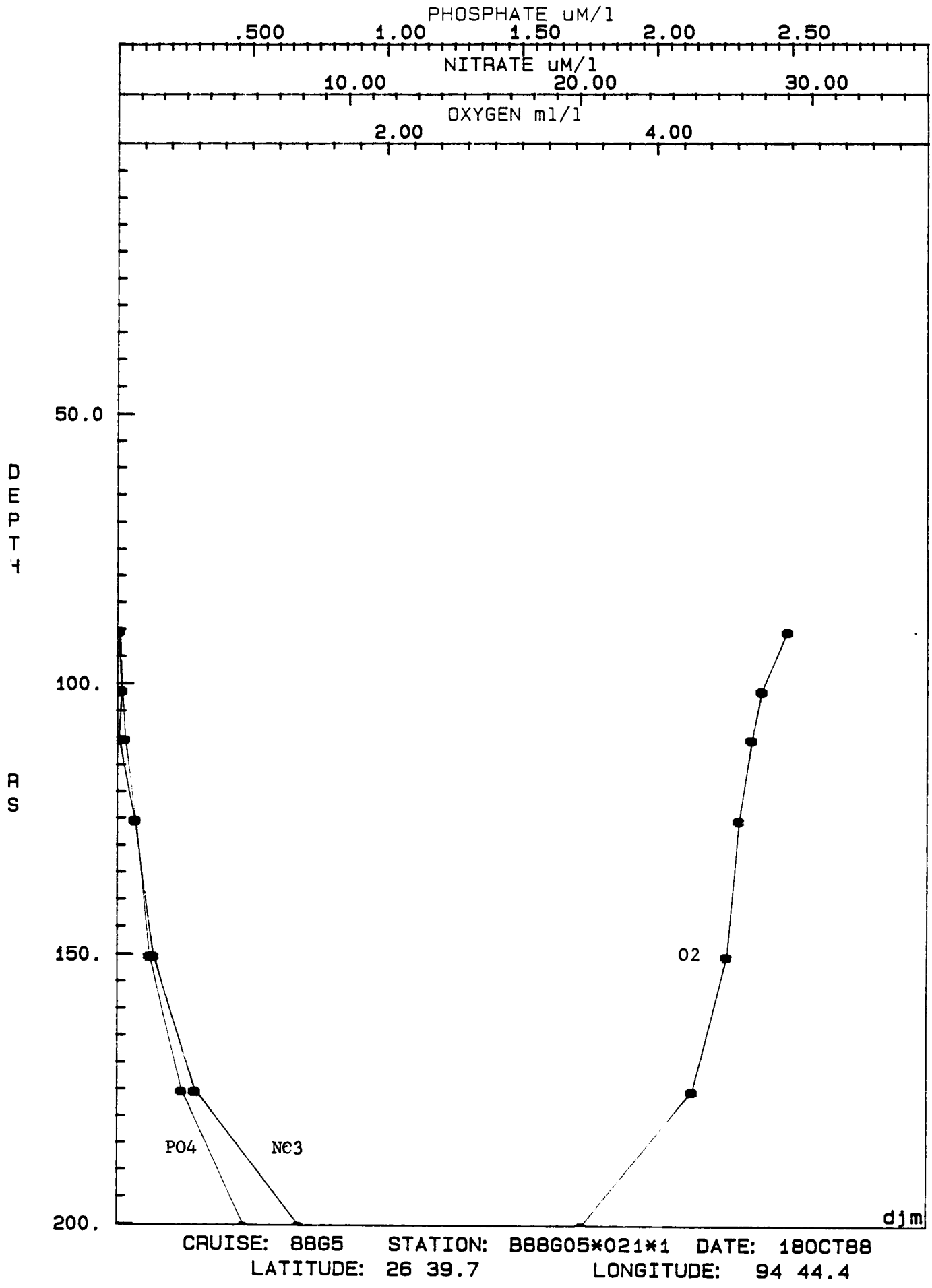
B88G05
Station 21

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
16	90	22.19	36.539	4.97	0.1	0.12	0.1	0.2	0.5	0.01	0.31	0.30
15	101	21.79	36.532	4.78	0.2	0.12	<0.1	0.3	0.8	0.02	0.31	0.49
14	110	21.50	36.535	4.71	0.1	0.20	<0.1	<0.1	0.7	0.03	0.11	0.55
13	125	21.36	36.539	4.61	0.8	0.14	<0.1	0.08	0.9	0.07	0.09	0.30
12	150	21.14	36.531	4.52	1.6	0.10	<0.1	0.2	1.0	0.12		
11	175	20.28	36.483	4.27	3.4	0.08	<0.1	0.1	1.5	0.24		
10	200	19.34	36.488	3.46	7.9	0.07	<0.1	0.08	2.9	0.47		
9	250	16.54	36.182	2.90	15.0	0.05	<0.1	0.5	5.7	0.88		
8	299	14.40	35.916	2.81	18.6	0.04	<0.1	0.4	7.8	1.13		
7	400	11.70	35.473	2.58	24.4	0.03	<0.1	0.3	12.1	1.50		
6	504	9.39	35.169	2.56	28.4	0.03	<0.1	0.5	15.8	1.78		
5	601	8.36	35.027	2.66	30.2	0.02	<0.1	0.3	20.0	1.88		
3	805	6.18	34.899	3.27	30.4	0.01	<0.1	0.2	24.4	1.98		
2	905	5.61	34.905	3.61	28.9	0.01	<0.1	0.4	25.5	1.91		
1	905	5.61	34.904	3.61	29.0	0.01	<0.1	0.8	25.7	1.91		



CRUISE: 88G5 STATION: B88G05*021*1 DATE: 18OCT88

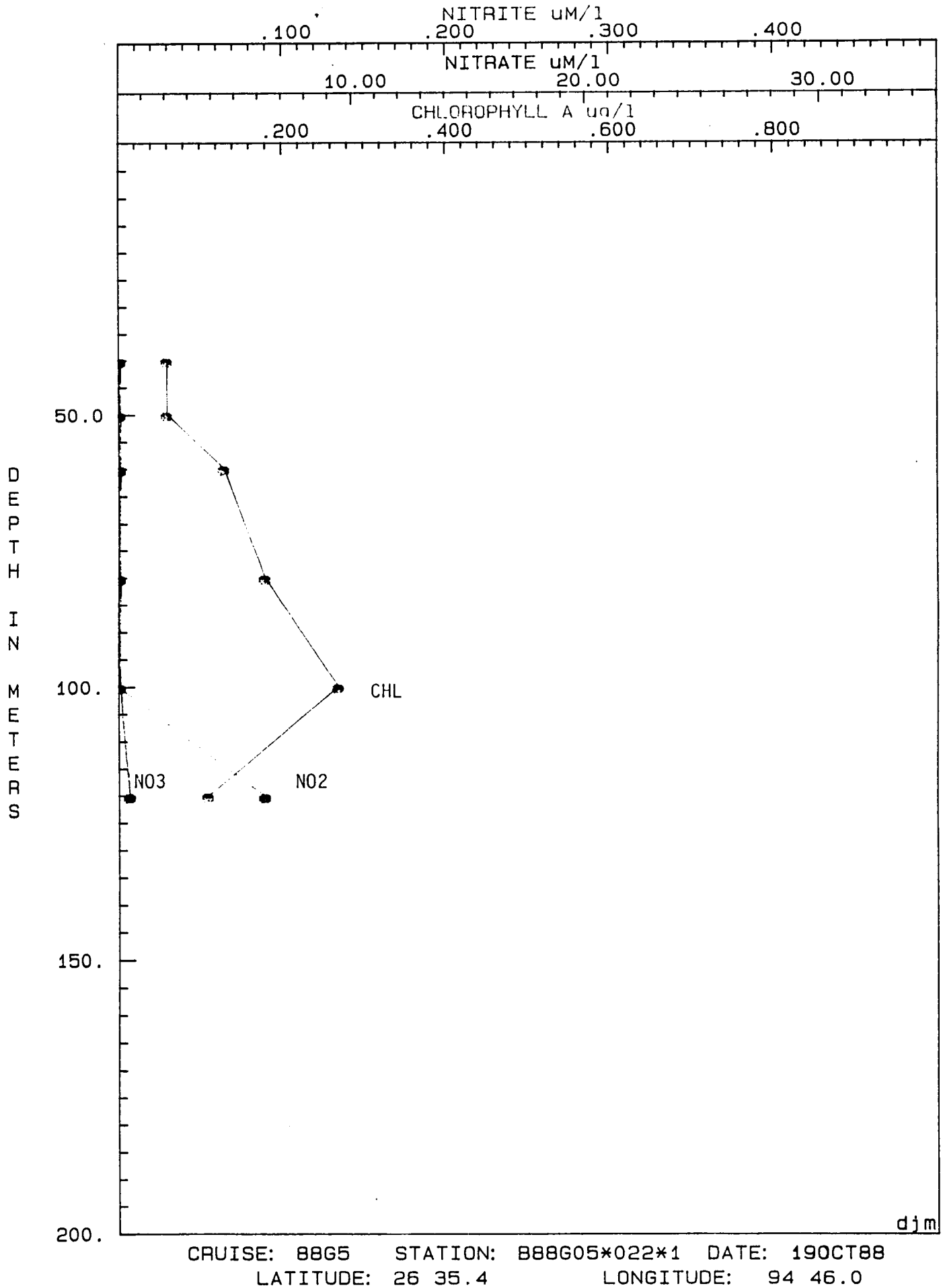
LATITUDE: 26 39.7 LONGITUDE: 94 44.4



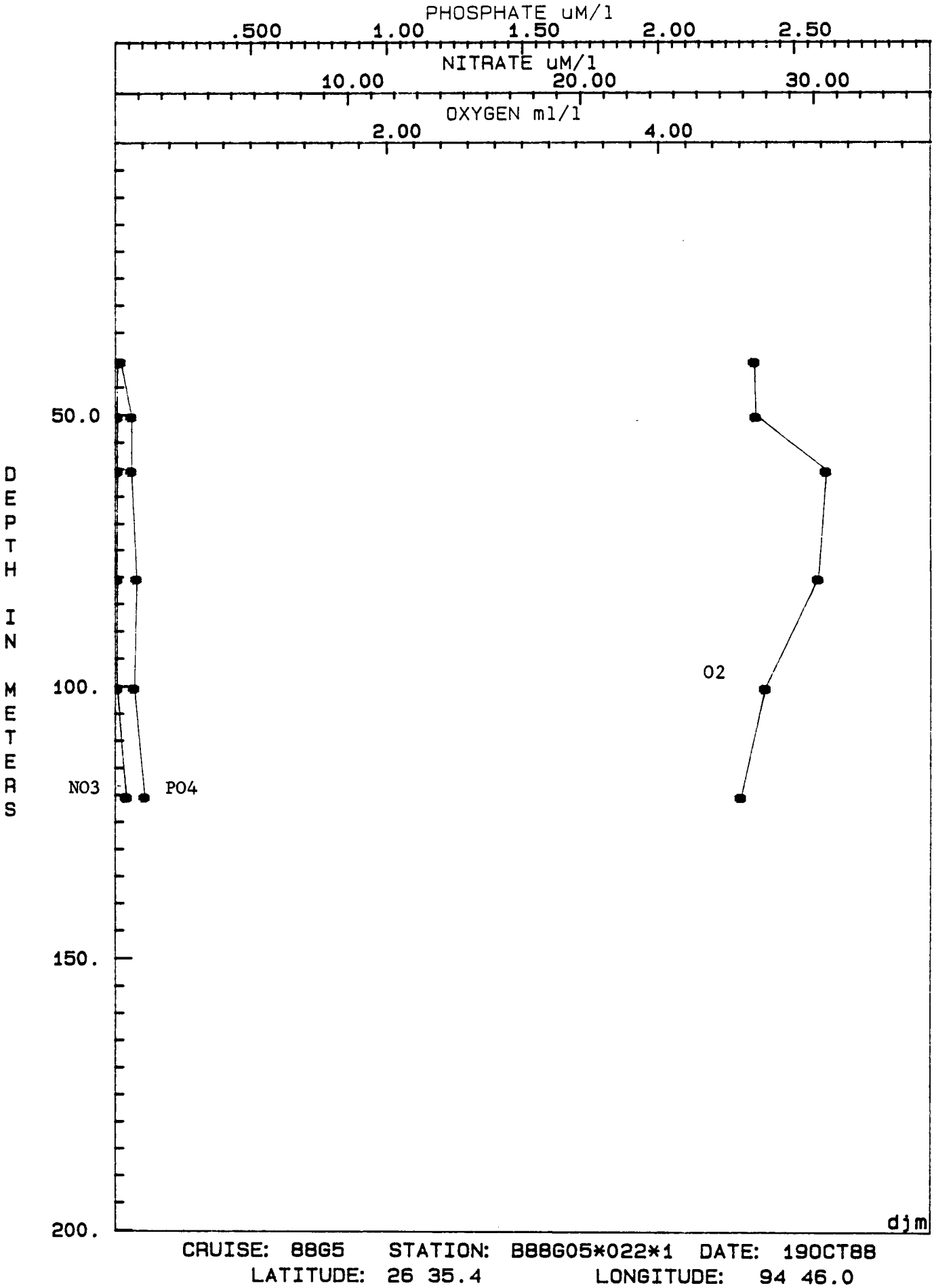
CRUISE: 88G5 STATION: B88G05*021*1 DATE: 18OCT88
LATITUDE: 26 39.7 LONGITUDE: 94 44.4

GMT 0703 26 35.4 BBBO5
19 OCT 88 94 46.0 STATION 22

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	40	26.43	36.636	4.71	0.1	<0.01	0.06	0.1	0.8	0.02	0.06	0.05
20	50	26.49	36.654	4.72	0.1	<0.01	0.08	0.2	0.6	0.06	0.06	0.09
16	60	25.63	36.573	5.23	0.1	<0.01	0.08	0.1	0.4	0.06	0.13	0.11
12	80	23.09	36.519	5.17	0.1	<0.01	0.08	0.2	0.2	0.08	0.18	0.10
8	100	21.98	36.531	4.79	0.1	<0.01	0.04	<0.1	0.2	0.7	0.27	0.51
4	120	21.58	36.535	4.61	0.5	0.9	0.03	0.6	0.1	0.11	0.11	0.36
											$\sum_{z=0}^{100m} CHL$	= 12.6



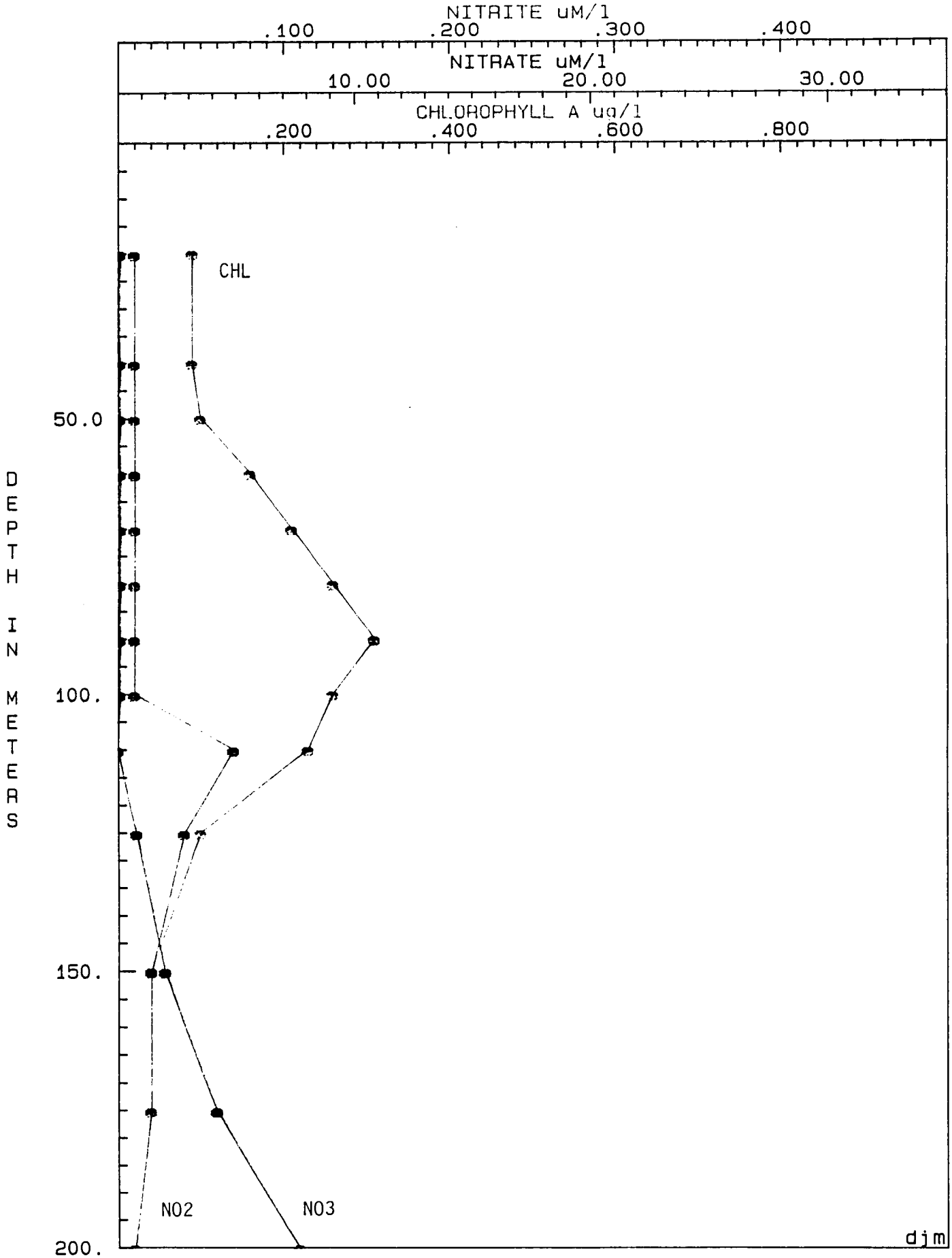
CRUISE: 88G5 STATION: 888G05*022*1 DATE: 19OCT88
LATITUDE: 26 35.4 LONGITUDE: 94 46.0



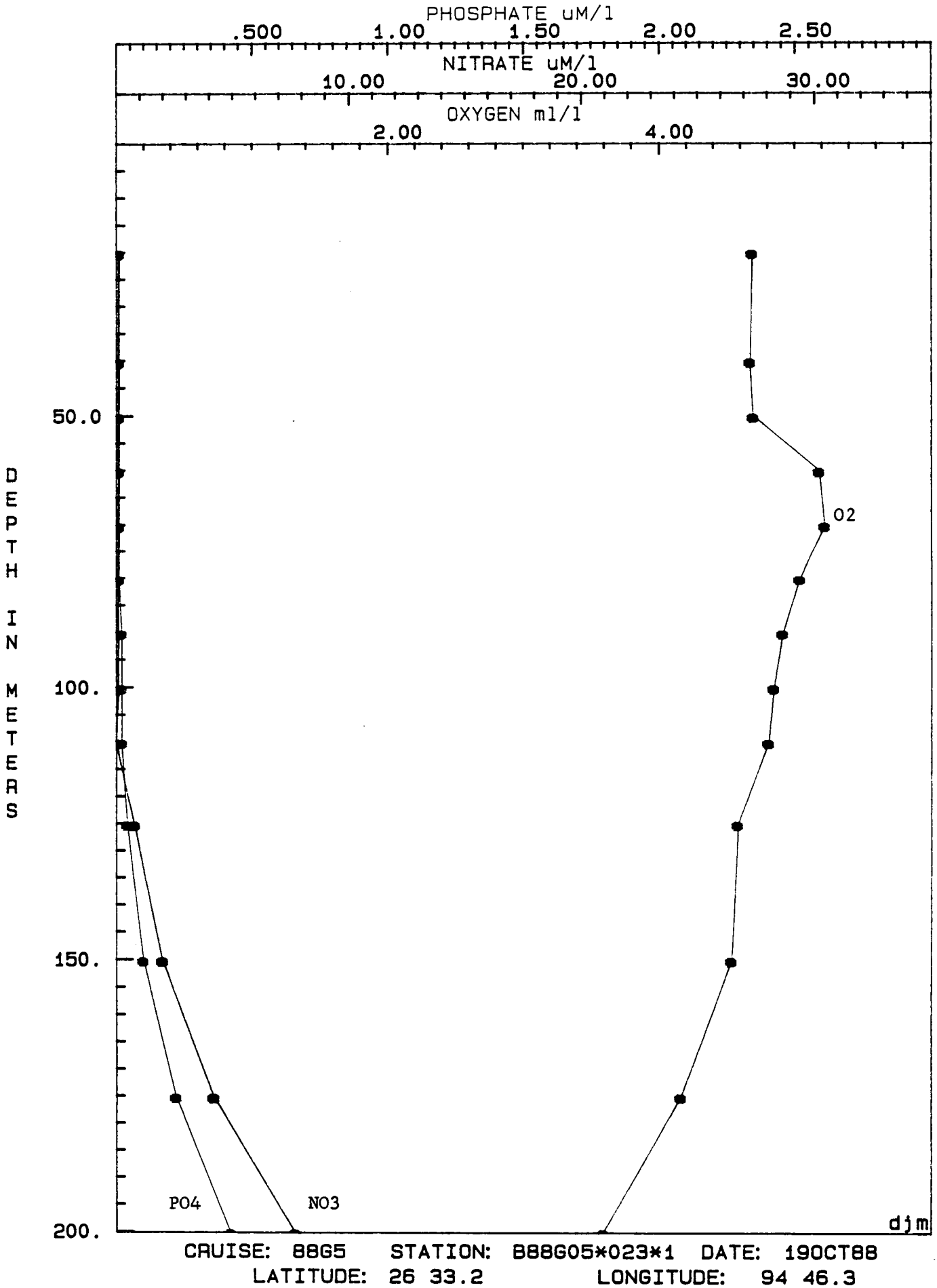
CRUISE: 88G5 STATION: B88G05*022*1 DATE: 19OCT88
LATITUDE: 26 35.4 LONGITUDE: 94 46.0

GMT 1111 26 33.2 B88605
19 OCT 88 94 46.3 STATION 23

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	20	26.51	36.507	4.69	0.1	0.01	<0.1	0.8	0.5	0.01	0.09	0.07
23	40	26.48	36.610	4.67	0.1	0.01	<0.1	0.3	0.5	0.01	0.09	0.06
21	50	26.48	36.650	4.69	0.1	0.01	<0.1	0.3	0.8	0.01	0.10	0.09
20	60	24.38	36.580	5.18	0.1	0.01	<0.1	0.3	0.5	0.01	0.16	0.12
19	70	23.25	36.525	5.22	0.1	0.01	<0.1	0.3	0.5	0.01	0.21	0.07
18	80	22.70	36534	5.03	0.1	0.01	<0.1	0.6	0.4	0.01	0.26	0.13
17	90	22.30	36.533	4.91	0.1	0.01	<0.1	0.2	0.2	0.02	0.31	0.28
16	100	22.04	36.529	4.84	0.1	0.01	<0.1	0.1	0.08	0.02	0.26	0.37
15	110	21.65	36.532	4.81	<0.1	0.07	0.1	0.3	0.0	0.02	0.23	0.43
14	125	21.38	36.537	4.58	0.8	0.04	<0.1	<0.1	0.2	0.04	0.10	0.34
13	150	21.24	36.534	4.53	2.0	0.02	<0.1	<0.1	0.2	0.10	0.04	0.14
12	175	20.33	36.477	4.16	4.2	0.02	<0.1	0.1	0.6	0.22	$\sum_{i=0}^{100m} CHL = 15.8$	
11	200	19.66	36.492	3.59	7.7	0.01	<0.1	0.3	1.8	0.42		
10	250	16.90	36.237	2.73	14.9	0.01	<0.1	0.1	3.9	0.83		
9	300	14.51	35.928	2.58	18.8	0.01	<0.1	0.3	6.5	1.08		
8	400	11.83	35.489	2.57	24.8	0.01	<0.1	0.5	10.6	1.50		
7	500	9.76	35.193	2.65	28.7	0.01	<0.1	0.5	14.8	1.77		
6	600	8.40	35.037	2.96	30.5	0.02	<0.1	0.3	18.4	1.93		
5	700	7.05	34.920	2.97	31.4	0.01	<0.1	0.3	22.5	2.01		
4	750	6.54	34.903	3.09	31.0	0.01	0.1	0.2	23.9	2.00		
2	1000	5.16	34.921	3.95	28.0	0.01	0.1	0.3	26.6	1.82		
1	1000	5.16	34.919	3.95	27.9	0.01	0.1	0.5	26.3	1.80		



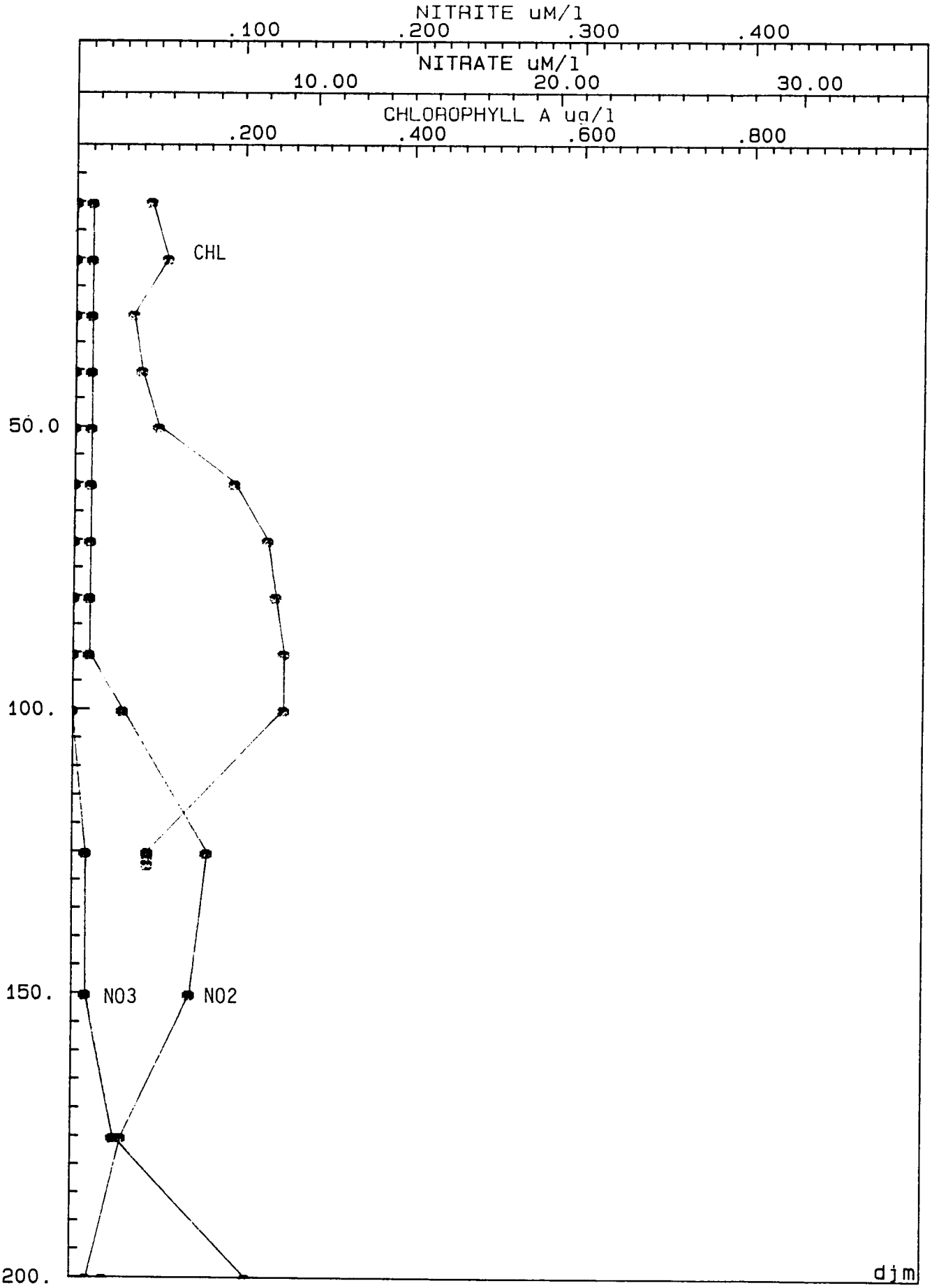
CRUISE: 88G5 STATION: B88G05*023*1 DATE: 19OCT88
LATITUDE: 26 33.2 LONGITUDE: 94 46.3



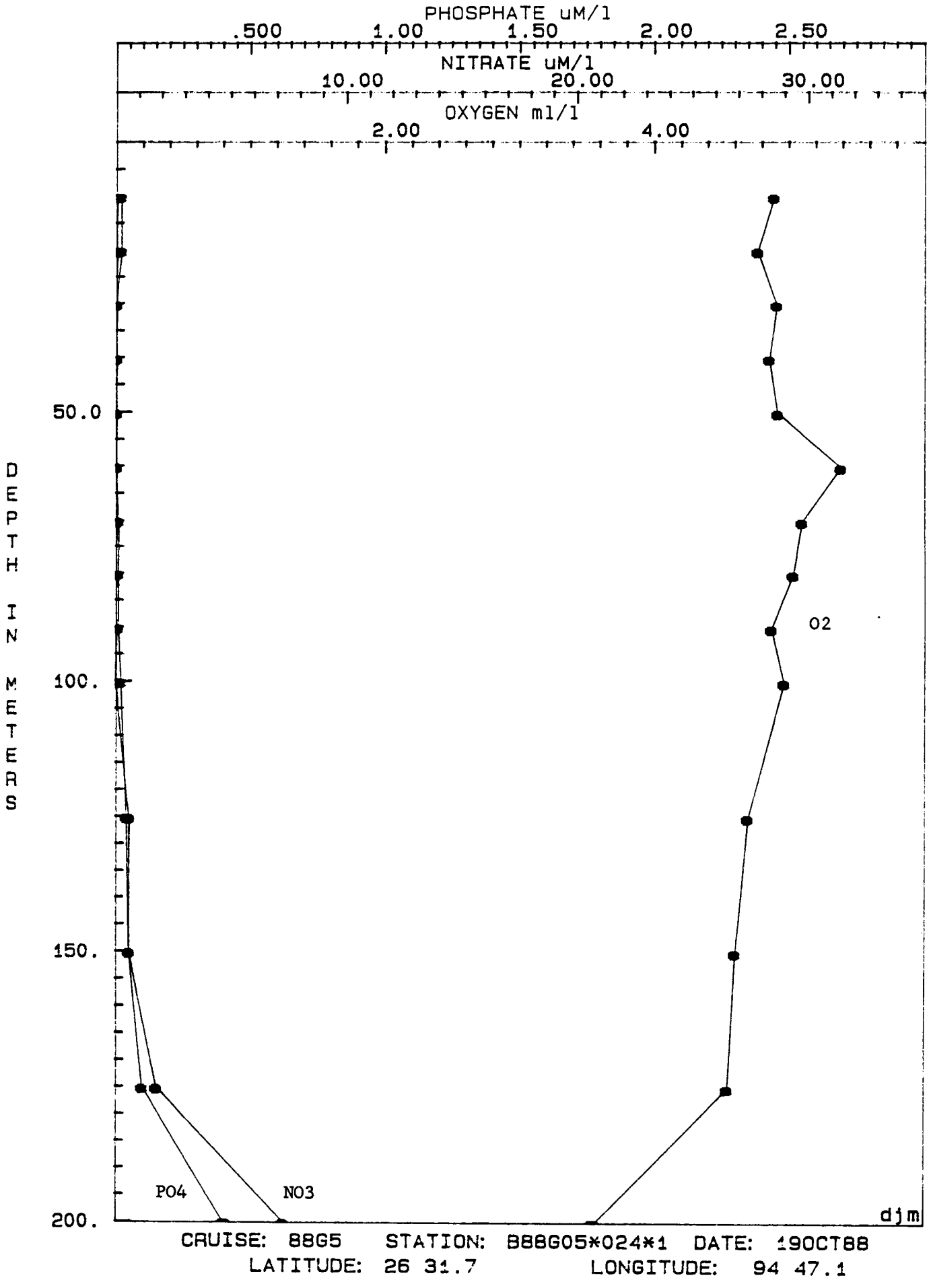
CRUISE: 88G5 STATION: B88G05*023*1 DATE: 19OCT88
LATITUDE: 26 33.2 LONGITUDE: 94 46.3

GMT 1516 26 31.7 B88605
19 OCT 88 94 47.1 STATION 24

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	26.49	36.242	4.89	<0.1	0.01	<0.1	0.4	1.6	0.02	0.09	0.07
23	20	26.49	36.265	4.77	<0.1	0.01	<0.1	0.2	1.5	0.02	0.11	0.07
22	30	26.55	36.604	4.91	<0.1	0.01	<0.1	0.2	0.4	<0.01	0.07	0.06
21	40	26.44	36.606	4.85	<0.1	0.01	<0.1	0.3	0.7	<0.01	0.08	0.06
20	50	26.48	36.640	4.92	<0.1	0.01	<0.1	0.4	0.7	<0.01	0.10	0.09
19	60	23.56	36.520	5.38	<0.1	0.01	0.1	0.6	0.7	<0.01	0.19	0.10
18	70	22.93	36.533	5.10	<0.1	0.01	<0.1	0.2	0.6	0.01	0.23	0.15
17	80	22.64	36.537	5.03	<0.1	0.01	<0.1	0.5	0.7	0.01	0.24	0.24
16	90	22.26	36.534	4.87	<0.1	0.01	<0.1	0.4	0.3	0.01	0.25	0.44
15	100	21.96	36.530	4.96	<0.1	0.03	<0.1	0.5	0.3	0.02	0.25	0.49
14	110	21.72										
13	125	21.42	36.536	4.69	.60	0.08	<0.1	0.4	0.08	0.04	0.09	0.32
12	150	21.25	36.536	4.60	.60	0.07	<0.1	0.4	0.04	0.05	$\sum_{i=0}^{100m} CHL = 15.4$	
11	175	20.40	36.536	4.55	1.80	0.03	<0.1	0.4	0.05	0.10		
10	200	19.68	36.489	3.57	7.30	0.01	<0.1	0.2	1.9	0.40		
9	200	19.68	36.489	3.54	7.30	0.02	<0.1	<0.1	1.9	0.40		
8	250	16.85	36.215	2.82	15.00	0.01	<0.1	0.1	5.1	0.86		
7	400	11.86	35.473	2.54	25.20	0.01	<0.1	0.2	11.5	1.48		
6	400	11.86	35.474	2.51	25.20	0.01	<0.1	0.3	11.6	1.48		
5	600	8.26	35.036	2.62	31.00	0.01	<0.1	0.2	18.5	1.89		
4	700	7.13	34.927	2.85	32.00	0.01	<0.1	0.1	21.5	1.96		
3	800	6.29	34.899	3.18	31.40	0.02	<0.1	0.2	24.6	1.94		
2	900	5.64	34.901	3.57	29.80	0.02	<0.1	0.5	25.1	1.87		
1	900	5.64	34.901		29.80	0.02	<0.1	0.7	25.5	1.87		



CRUISE: 88G5 STATION: B88G05*024*1 DATE: 19OCT88
LATITUDE: 26 31.7 LONGITUDE: 94 47.1



CRUISE: 88G5 STATION: 888G05*024*1 DATE: 190CT88

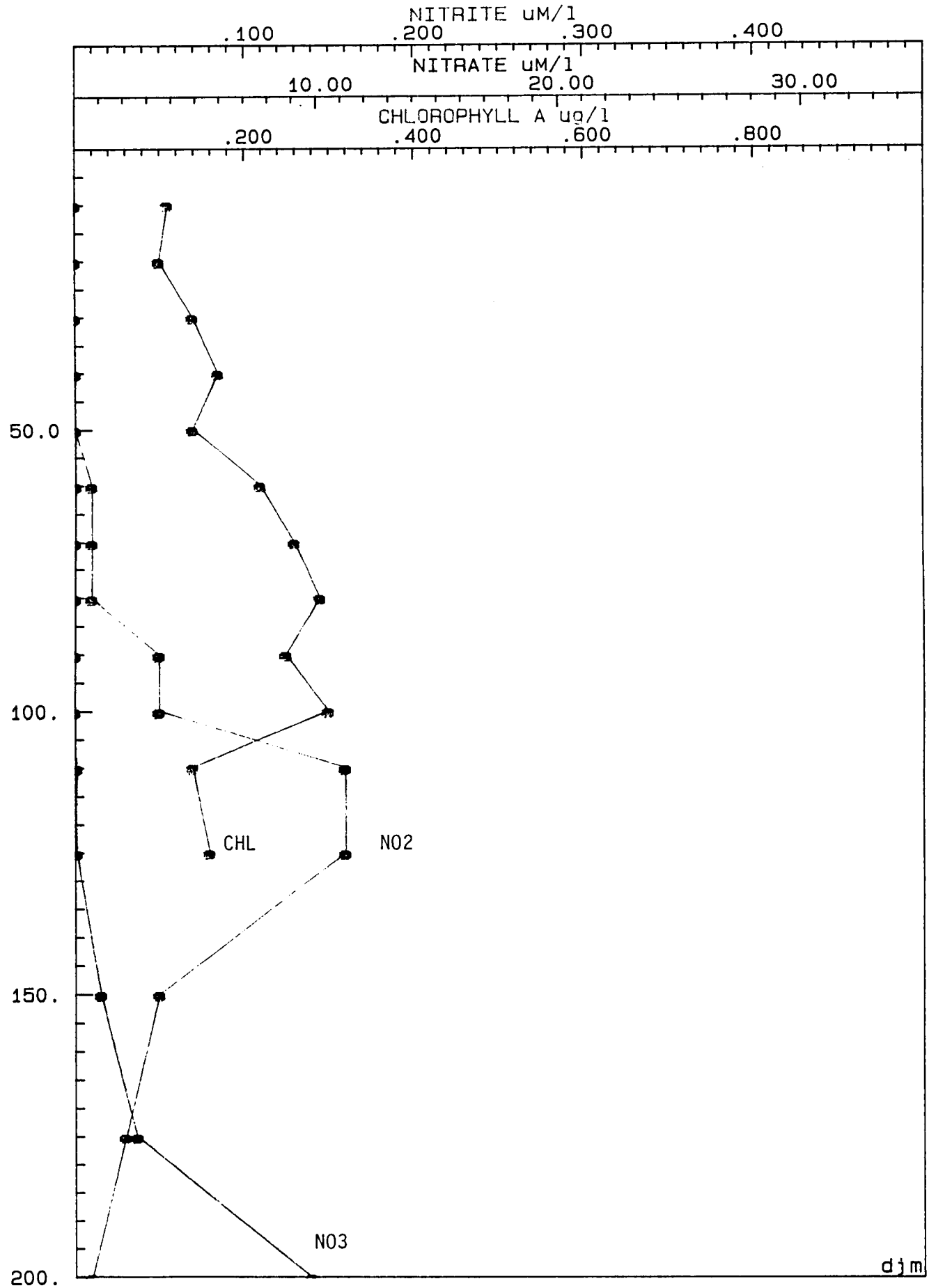
LATITUDE: 26 31.7 LONGITUDE: 94 47.1

GMT 2312
19 OCT 88
26 38.4 94 42.7

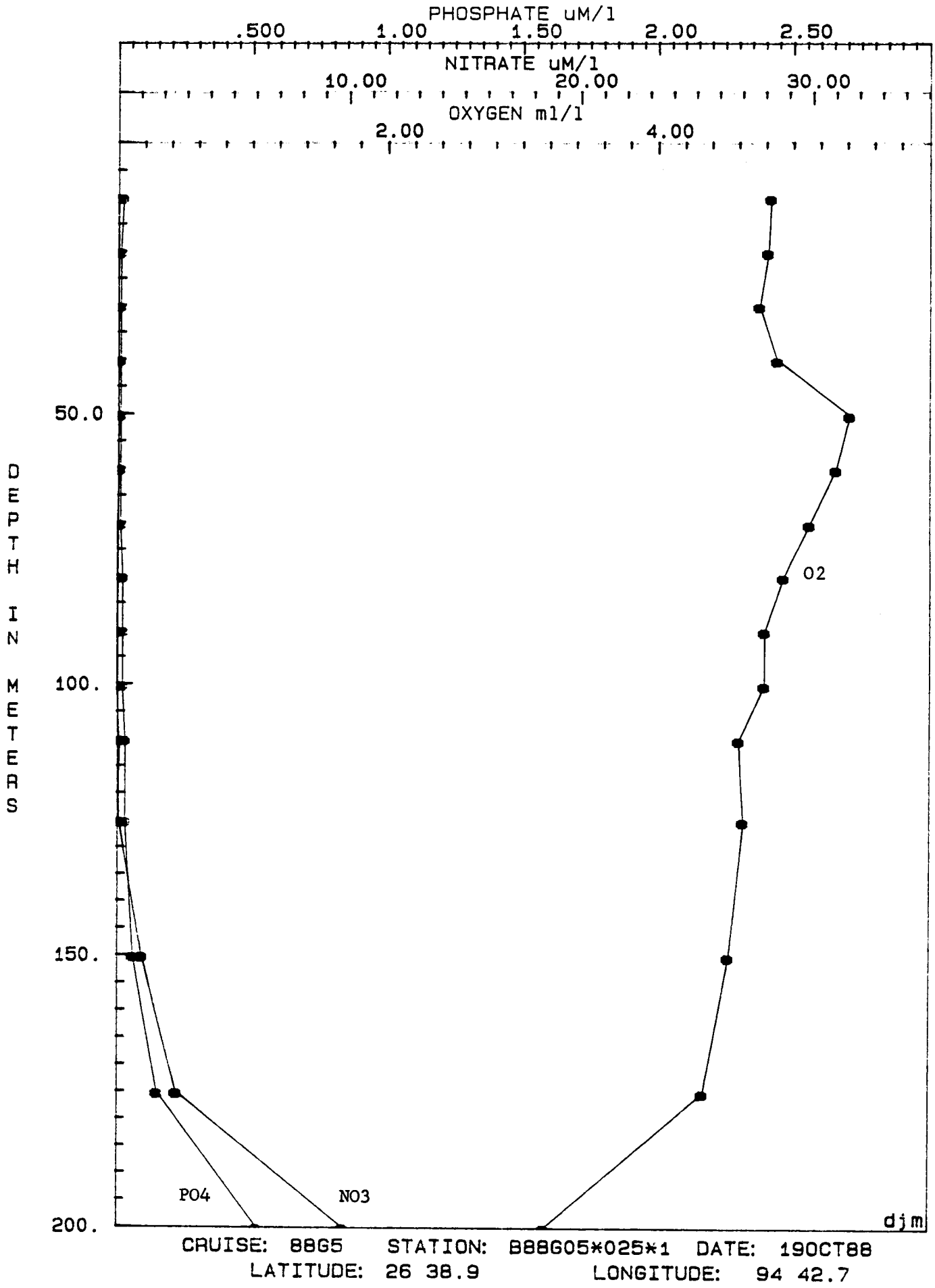
B88G05
STATION 25

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	26.59	36.198	4.83	<0.1	<0.01	<0.1	0.2	1.7	0.02	0.11	0.09
23	20	26.68	36.197	4.81	<0.1	<0.01	<0.1	0.2	1.7	0.01	0.10	0.08
22	30	26.75	36.309	4.75	<0.1	<0.01	<0.1	0.1	1.9	0.01	0.14	0.14
21	40	26.53	36.525	4.88	<0.1	<0.01	<0.1	<0.1	0.7	0.01	0.17	0.17
20	50	24.72	36.543	5.41	<0.1	<0.01	0.1	0.2	0.3	0.01	0.14	0.12
19	60	23.68	36.529	5.31	<0.1	0.01	<0.1	0.1	0.6	0.01	0.22	0.09
18	70	22.96	36.521	5.12	<0.1	0.01	<0.1	0.1	0.7	0.01	0.26	0.17
17	80	22.52	36.515	4.93	<0.1	0.01	<0.1	0.2	0.6	0.02	0.29	0.32
*16	90	22.12	36.519	4.79	<0.1	0.05	<0.1	0.2	0.6	0.02	0.25	0.45
*15	100	21.71	36.518	4.79	<0.1	0.05	<0.1	0.1	0.6	0.02	0.30	0.51
† 14	110	21.52	36.530	4.60	0.1	0.16	<0.1	<0.1	0.6	0.03	0.14	0.38
† 13	125	21.35	36.530	4.63	0.1	0.16	<0.1	0.1	0.5	0.03	0.16	0.36
12	150	20.76	36.537	4.53	1.1	0.05	<0.1	<0.1	0.4	0.06	$\sum_{z=0}^{100m} CHL$	=18.8
11	175	19.90	36.505	4.34	2.6	0.03	<0.1	<0.1	0.3	0.15		
10	200	19.03	36.488	3.17	9.8	0.01	<0.1	0.2	2.3	0.52		
9	250	16.33	36.163	2.80	15.6	<0.01	<0.1	<0.1	4.8	0.86		
8	300	14.24	35.851	2.66	19.8	<0.01	<0.1	<0.1	7.1	1.14		
7	400	11.77	35.465	2.52	25.2	<0.01	<0.1	<0.1	11.1	1.64		
6	400	11.77	35.465	2.54	25.2	0.01	<0.1	0.4	11.1	1.65		
5	600	8.29	35.018	2.61	31.3	<0.01	<0.1	0.1	19.0	1.84		
4	700	7.15	34.926	2.87	31.9	<0.01	<0.1	<0.1	21.9	1.91		
3	799	6.26	34.897	3.21	31.1	<0.01	<0.1	<0.1	24.1	1.89		
2	900	5.64	34.904	3.54	29.9	0.01	<0.1	<0.1	24.9	1.83		
1	1000	5.17	34.902	3.65	29.9	0.01	<0.1	0.4	25.0	1.82		

* & † = duplicate rosettes of bottles 15 and 16 at 90 m



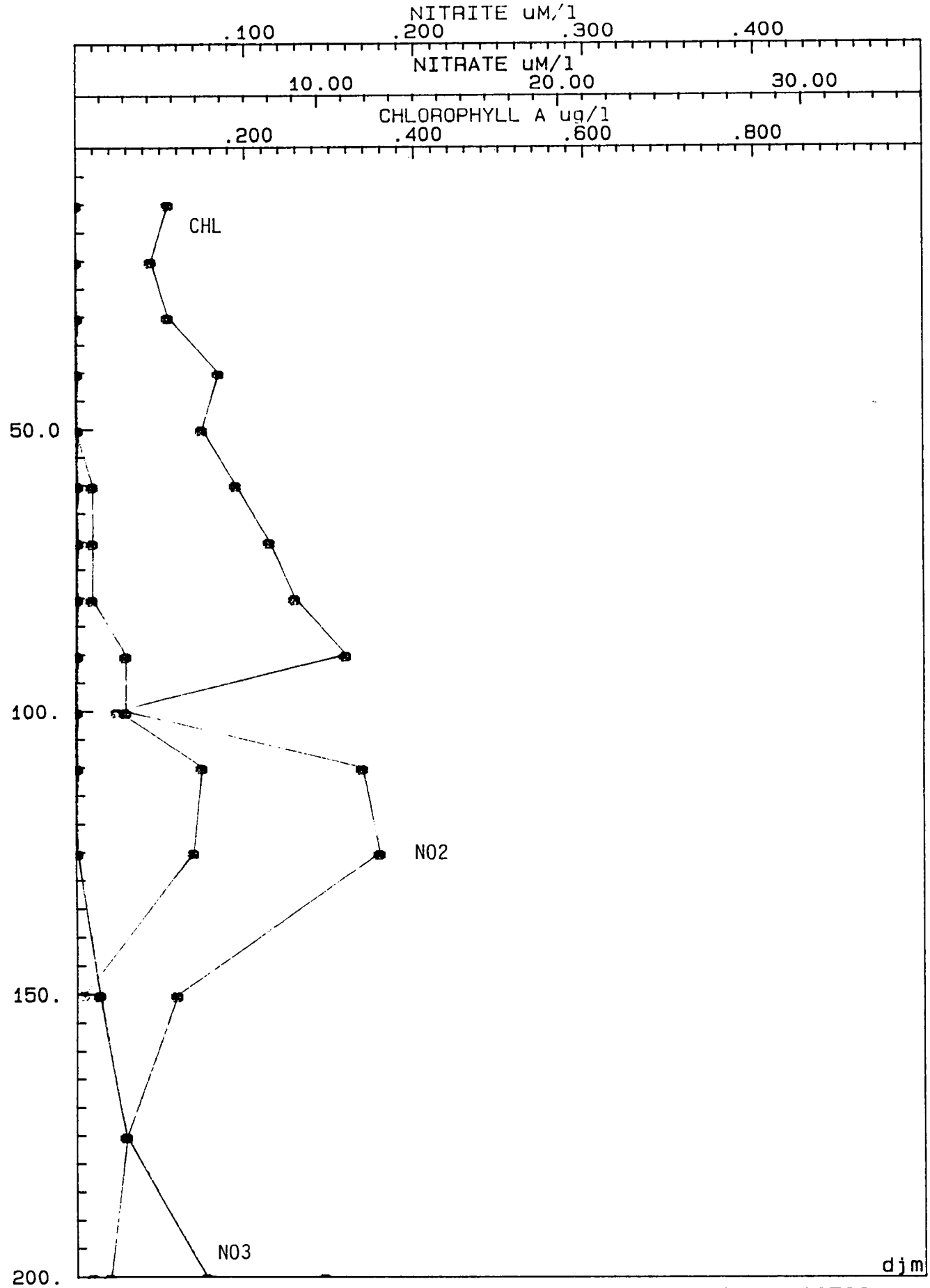
CRUISE: 88G5 STATION: B88G05*025*1 DATE: 19OCT88
LATITUDE: 26 38.9 LONGITUDE: 94 42.7



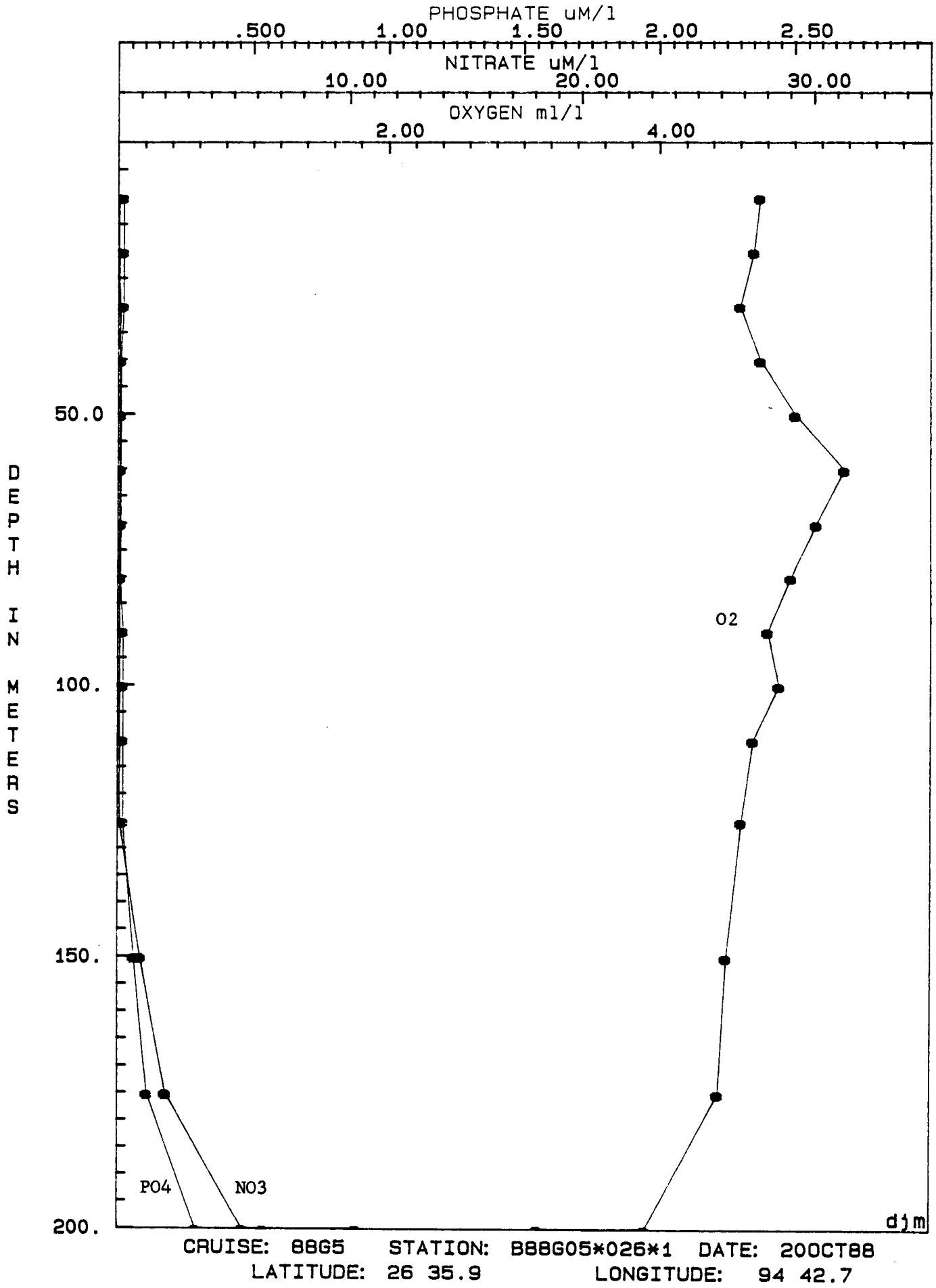
CRUISE: 88G5 STATION: B88G05*025*1 DATE: 19OCT88
LATITUDE: 26 38.9 LONGITUDE: 94 42.7

GMT 0411 26 35.9 BEEGOS
20 OCT 88 94 42.7 STATION 26

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	10	26.65	36.191	4.74	<0.1	<0.01	0.1	0.4	2.1	0.02	0.11	0.07
23	20	26.61	36.175	4.70	<0.1	<0.01	0.1	0.4	2.1	0.02	0.09	0.10
22	30	26.65	36.198	4.60	0.1	<0.01	0.1	0.1	1.9	0.02	0.11	0.11
21	40	26.62	36.507	4.75	0.1	<0.01	0.1	0.3	1.1	0.01	0.17	0.10
20	50	25.50	36.585	5.00	0.1	<0.1	0.1	0.1	1.1	0.01	0.15	0.15
19	60	23.81	36.523	5.37	0.1	0.01	0.1	0.3	1.0	0.01	0.19	0.10
18	70	23.12	36.527	5.12	01	0.01	0.1	0.5	1.1	0.01	0.23	0.15
17	80	22.61	36.519	5 00	0.1	0.01	0.1	0.4	0.6	0.01	0.26	0.22
16	90	22.18	36.527	4.80	0.1	0.03	0.1	0.2	1.0	0.02	0.32	0.46
15	100	21.93	36.528	4.89	0.1	0.03	0.1	0.5	0.6	0.02	0.05	0.68
14	110	21.59	36.530	4 70	0.1	0.17	0.1	0.3	0.6	0.02	0.15	0.42
13	125	21.36	36.531	4.61	0.1	0.18	0.1	0.3	0.6	0.02	0.14	0.47
12	150	20.88	36.535	4.50	1.0	0.06	0.1	0.1	0.6	0.10	0.01	0.34
11	175	19.90	36.525	4.44	2.1	0.03	0.1	0.7	1.1	0.11	$\sum_{i=0}^{100m} CHL = 17.1$	
10	200	18.97	36.479	3.90	5.4	0.02	0.1	0.2	1.9	0.29		
9	200	18.97	36.473	3.11	10.3	0.01	0.1	0.2	3.0	0.54		
8	300	14.37	35.859	2.66	19.6	0.01	0.1	0.4	7 5	1.15		
7	400	11.70	35.438	2.53	25.0	0.01	0.1	<0.1	11.7	1.50		
6	500	9.56	35.165	2.54	28.4	0.01	<0.1	0.4	15.7	1.75		
5	600	8.19	35.016	2.61	30.0	0.01	<0.1	0.4	18.8	1.88		
4	700	7.14	34.925	2.87	30.7	0.01	<0.1	0.2	22.0	1.94		
3	800	6.19	34.898	3.22	29.8	0.01	<0.1	0.6	24.4	1.93		
2	900	5.63	34.905	3.54	28.7	0.01	<0.1	0.5	25.5	1.85		
1	900	5.63	34.901	3 54	28.7	0.01	<0.1	0.2	25.8	1.85		



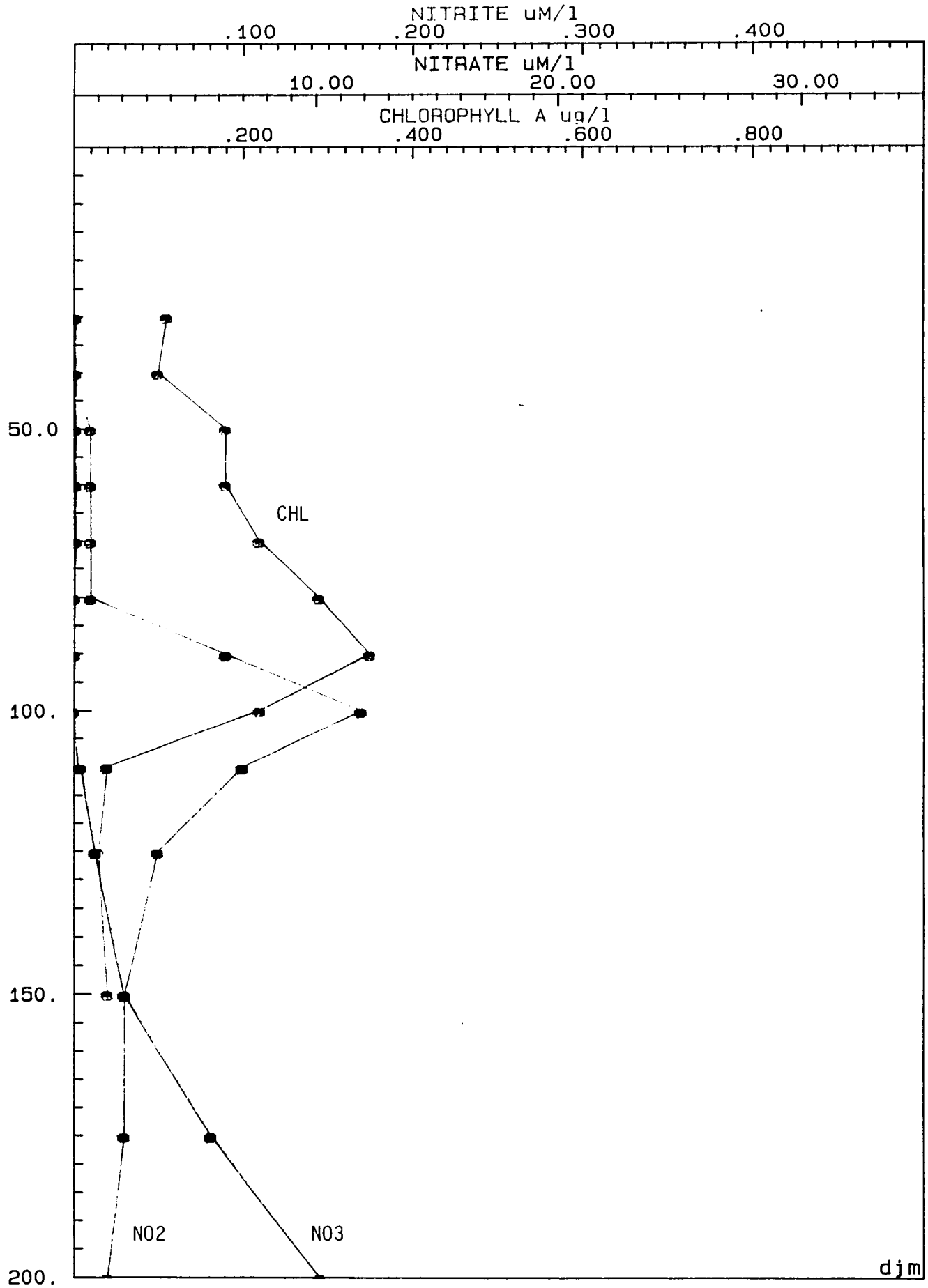
CRUISE: 88G5 STATION: B88G05*026*1 DATE: 20OCT88
LATITUDE: 26 35.9 LONGITUDE: 94 42.7



CRUISE: 88G5 STATION: B88G05*026*1 DATE: 20OCT88
LATITUDE: 26 35.9 LONGITUDE: 94 42.7

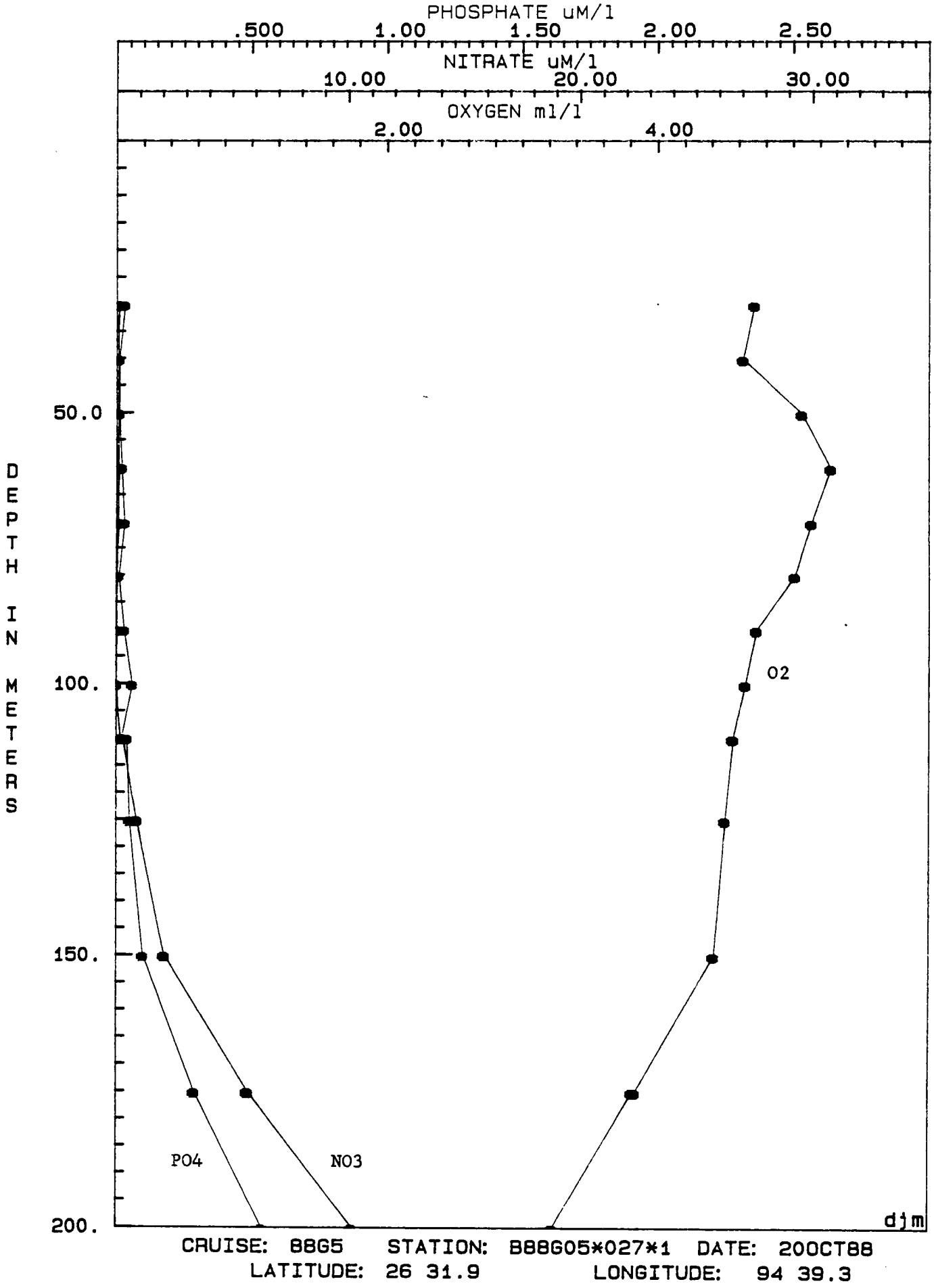
GMT 1645 26 31.9 BEBEOS
20 OCT 88 94 39.3 STATION 27

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	30	26.56	36.475	4.71	0.1	<0.01	<0.1	0.2	2.2	0.03	0.11	0.12
23	40	26.23	36.506	4.63	0.1	<0.01	<0.1	0.3	1.9	0.01	0.10	0.06
22	50	24.93	36.558	5.06	0.1	0.01	<0.1	0.2	1.9	0.01	0.18	0.09
21	60	23.86	36.534	5.28	0.1	0.01	<0.1	0.1	1.9	0.02	0.18	0.09
20	70	23.20	36.507	5.13	0.1	0.01	<0.1	0.2	1.9	0.03	0.22	0.13
19	80	22.50	36.519	5.01	<0.1	0.01	<0.1	0.1	1.8	0.01	0.29	0.25
18	90	22.14	36.513	4.73	<0.1	0.09	<0.1	0.3	1.8	0.03	0.35	0.46
17	100	21.85	36.521	4.65	<0.1	0.17	<0.1	0.1	2.5	0.06	0.22	0.51
16	110	21.58	36.531	4.56	0.2	0.10	<0.1	0.1	1.6	0.02	0.04	0.38
15	110	21.58	36.527	4.56	0.3	0.10	<0.1	0.1	1.7	0.04	0.04	0.40
14	125	21.39	36.536	4.50	0.9	0.05	<0.1	<0.1	1.7	0.05	0.03	0.34
13	150	21.07	36.520	4.42	2.1	0.03	<0.1	0.1	1.9	0.10	0.04	0.10
12	175	20.00	36.453	3.84	5.7	0.03	<0.1	0.1	3.1	0.29	$\sum_{z=0}^{100m} CHL$	= 18.0
11	175	20.00	36.454	3.82	5.7	0.03	<0.1	0.2	3.1	0.29		
10	200	18.87	36.469	3.23	10.2	0.02	<0.1	0.1	4.5	0.54		
9	250	16.46	36.151	2.81	16.0	0.01	<0.1	0.1	6.9	0.89		
8	300	14.47	35.819	2.65	20.0	0.01	<0.1	0.1	9.7	1.12		
7	500	9.64	35.178	2.50	29.8	0.01	<0.1	0.1	17.4	1.76		
6	600	8.22	35.014	2.64	32.0	0.01	<0.1	0.1	21.1	1.90		
5	600	8.22	35.013	2.65	32.0	0.01	<0.1	0.1	21.1	1.90		
4	700	7.03	34.897	3.25	31.5	0.01	0.05	0.2	26.2	1.93		
3	800	6.13	34.905	3.61	30.1	0.01	0.05	0.1	27.1	1.86		
2	900	5.60	34.925	3.96	28.4	0.01	0.05	0.05	27.6	1.74		



CRUISE: 88G5 STATION: B88G05*027*1 DATE: 20OCT88

LATITUDE: 26 31.9 LONGITUDE: 94 39.3



CRUISE: 88G5 STATION: B88G05*027*1 DATE: 20OCT88

LATITUDE: 26 31.9 LONGITUDE: 94 39.3

GMT 1625
20 Oct 88

26 59.9 94 44.4

B 88G05
Station 28

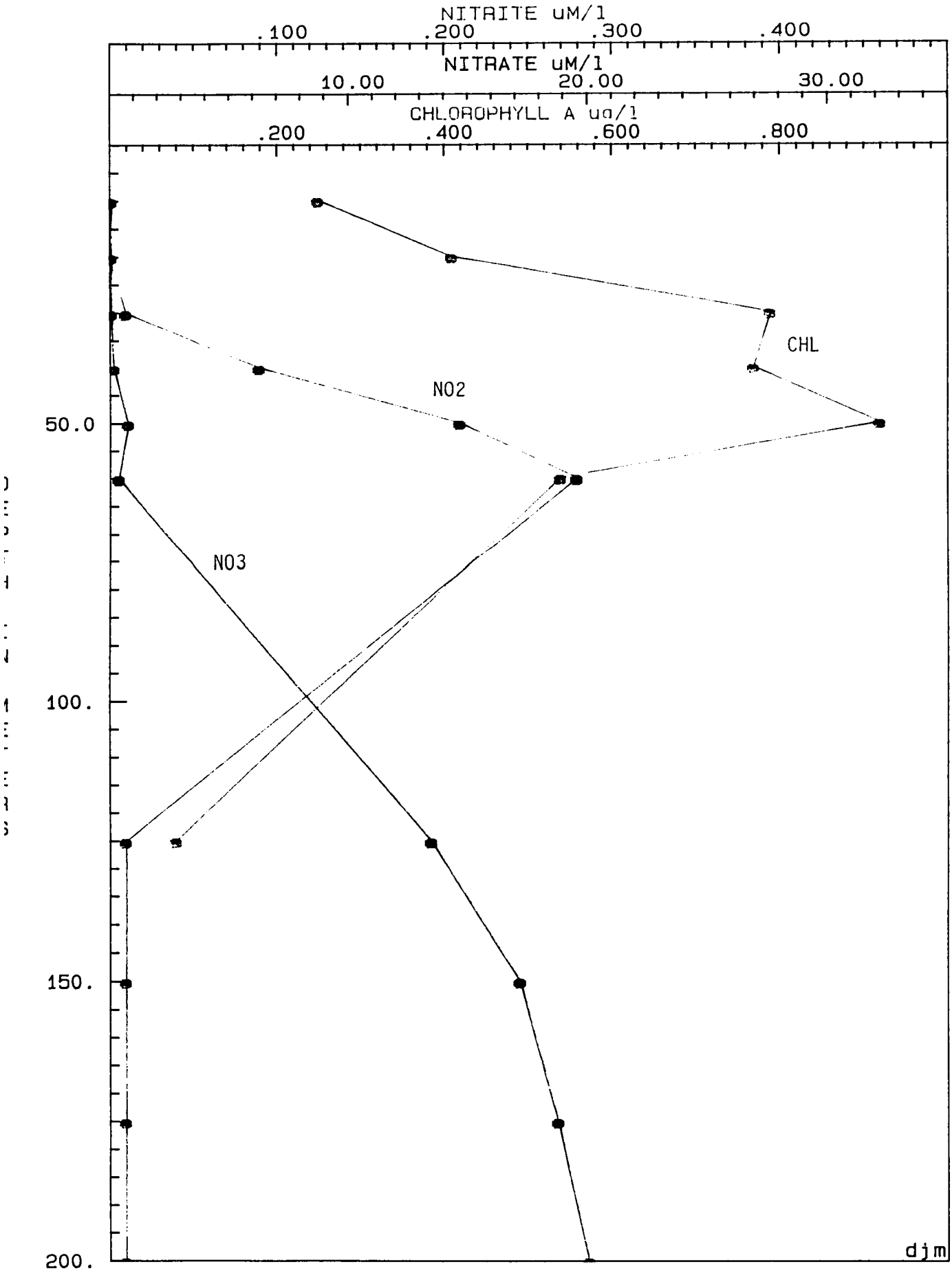
BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
12	200	17.72	36.354	2.87	13.0	<0.01	<0.1	0.1	5.4	0.67		
11	250	15.30	36.030	2.73	17.8	<0.01	<0.1	0.1	8.0	0.97		
10	301	13.72	35.732	2.58	21.8	<0.01	<0.1	0.1	10.4	1.22		
9	401	11.41	35.408	2.48	26.5	<0.01	<0.1	0.1	14.8	1.50		
8	500	10.00	35.230	2.51	28.9	<0.01	<0.1	0.1	16.7	1.65		
7	600	8.22	35.015	2.63	31.7	<0.01	<0.1	0.02	20.8	1.86		
6	700	7.07	34.925	2.86	32.3	<0.01	<0.1	0.03	23.9	1.89		
5	799	6.18	34.896	3.21	31.3	<0.01	<0.1	0.1	26.0	1.89		
4	900	5.53	34.907	3.61	29.9	<0.01	<0.1	0.3	27.3	1.80		
3	991	5.07	34.923	3.93	28.4	0.01	<0.1	0.1	27.8	1.72		
2	1151	4.65	34.946	4.34	26.4	0.01	<0.1	0.1	27.7	1.60		
1	1300	4.41	34.959	4.60	25.3	0.01	<0.1	0.2	27.7	1.54		

GMT 2335
20 OCT 88

BEBEOS
STATION 30

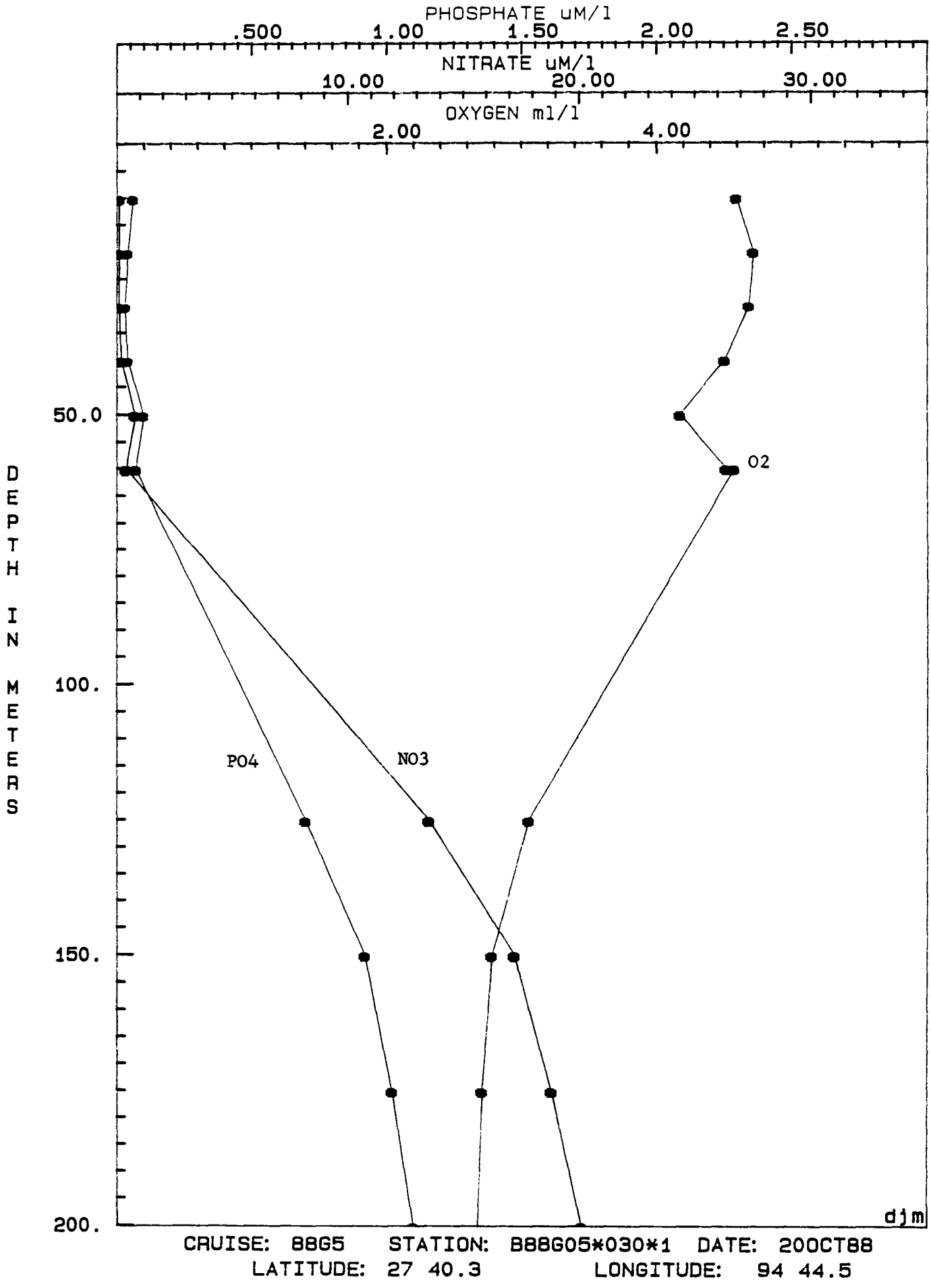
27 40.3
94 44.5

BOTTLE FF	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
19	10	26.85	35.721	4.59	0.1	<0.01	<0.1	0.2	2.7	0.06	0.25	0.09
18	20	26.80	35.785	4.72	0.1	<0.01	<0.1	<0.1	2.4	0.04	0.41	0.09
17	30	26.79	36.240	4.69	0.1	0.01	<0.1	0.2	1.9	0.03	0.79	0.21
16	40	26.64	36.351	4.51	0.2	0.09	<0.1	0.3	2.1	0.04	0.77	0.26
15	50	25.88	36.437	4.17	0.8	0.21	<0.1	0.3	2.4	0.10	0.92	0.11
14	60	24.53	36.491	4.51	0.4	0.28	<0.1	0.2	1.1	0.07	0.54	0.39
13	60	24.53	36.493	4.58	0.4	0.28	<0.1	0.2	0.9	0.07	0.54	0.40
12	125	17.80	36.301	3.05	13.5	0.01	<0.1	0.2	3.7	0.7	0.08	0.05
11	150	16.07	36.082	2.78	17.2	0.01	<0.1	0.3	5.3	0.92	$\sum_{z=0}^{100m} CHL = 53.5$	
10	175	15.20	35.966	2.71	18.8	0.01	<0.1	<0.1	6.4	1.02		
9	200	14.45	35.875		20.1	0.01	<0.1	<0.1	6.0	1.10		
8	275	12.43	35.534	2.57	24.8	0.01	<0.1	<0.1	10.2	1.40		
7	275	12.43	35.534	2.53	24.8	0.01	<0.1	<0.1	10.2	1.40		
6	324	10.99	35.367	2.48	27.1	0.01	<0.1	<0.1	12.2	1.54		
5	324	10.99	35.362	2.48	27.0	0.01	<0.1	<0.1	12.4	1.55		
4	324	10.99	35.361	2.48	27.0	0.01	<0.1	0.1	12.6	1.55		
3	324	10.99	35.360	2.48	27.2	0.01	<0.1	0.2	12.9	1.55		
2	359	10.39	35.259	2.49	28.7	0.01	<0.1	0.2	14.2	1.64		
1	359	10.39	35.258	2.48	28.7	0.02	<0.1	0.2	14.3	1.63		



CRUISE: 88G5 STATION: B88G05*030*1 DATE: 20OCT88

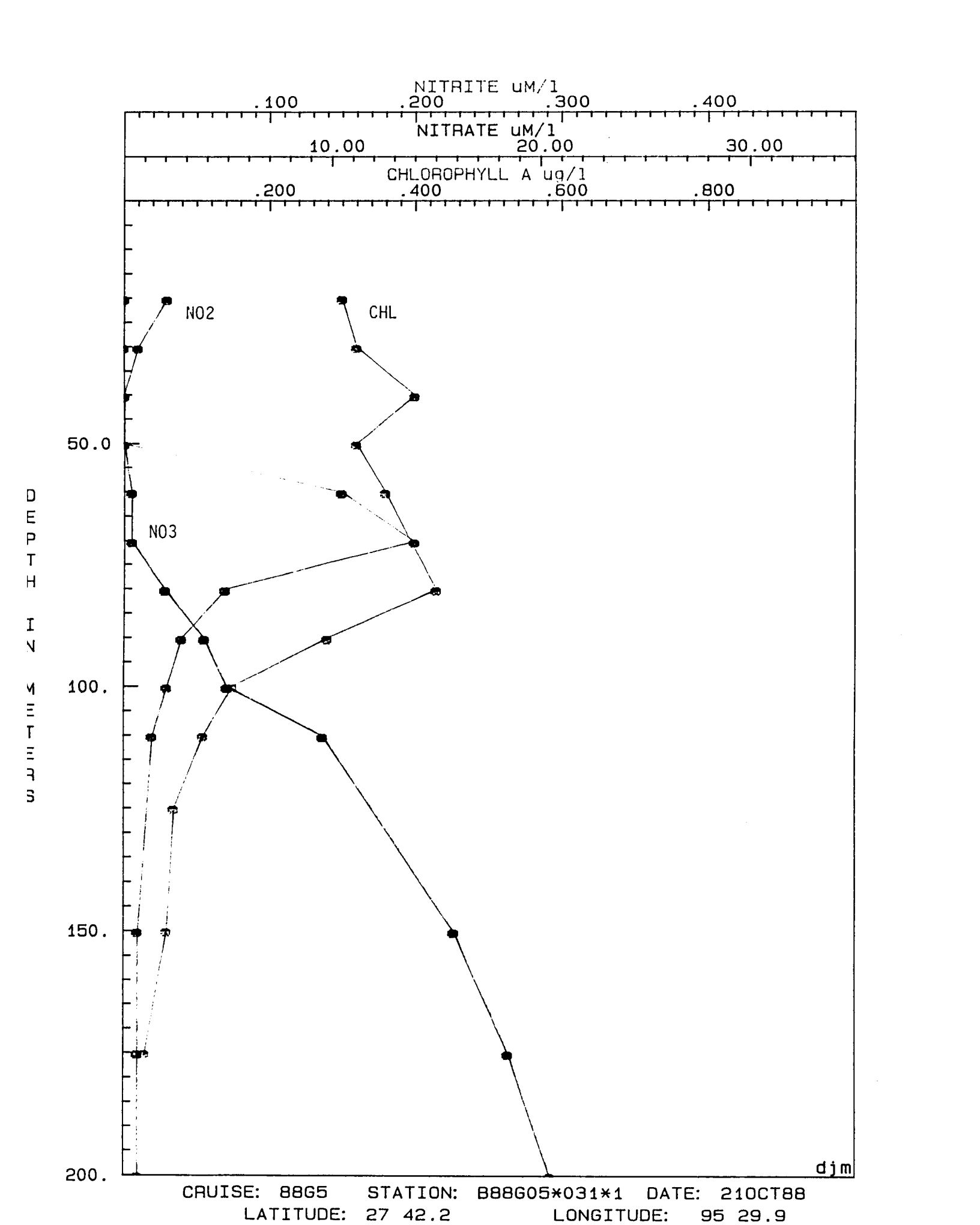
LATITUDE: 27 40.3 LONGITUDE: 94 44.5



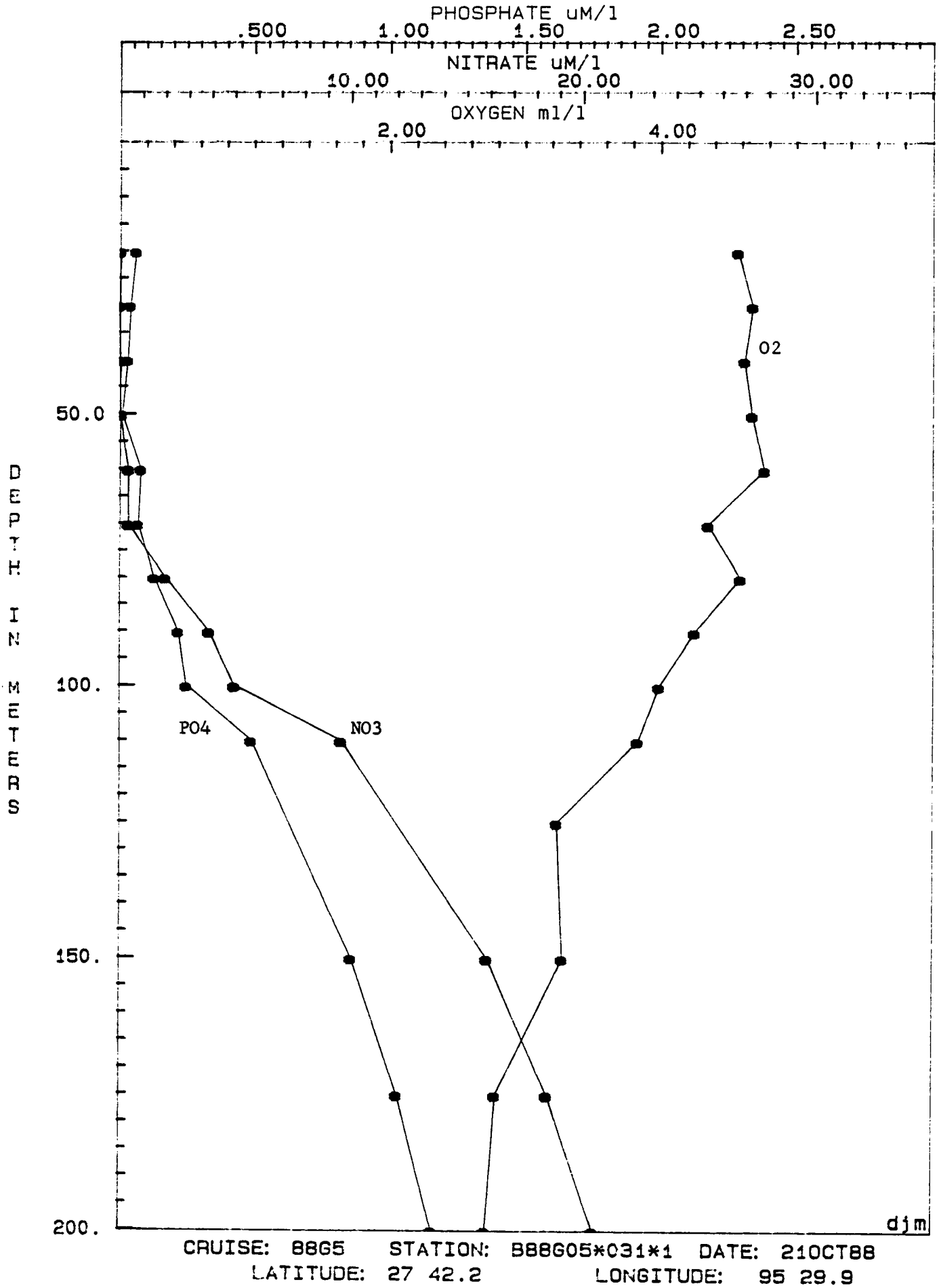
CRUISE: 88G5 STATION: 888G05*030*1 DATE: 20OCT88
LATITUDE: 27 40.3 LONGITUDE: 94 44.5

GMT 0525 2742.2 BEBEOS
21 OCT 88 95 29.9 STATION 31

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
24	20	26.69	35.825	4.57	<0.1	0.03	0.1	0.2	2.9	0.06	0.30	0.14
23	30	26.74	36.003	4.68	<0.1	0.01	0.1	0.2	1.9	0.04	0.32	0.17
22	40	26.83	36.336	4.62	<0.1	<0.01	<0.1	0.03	1.0	0.03	0.40	0.20
21	50	26.76	36.450	4.67	<0.1	<0.01	0.1	0.1	0.6	0.01	0.32	0.21
20	60	26.29	36.455	4.77	0.4	0.15	<0.1	0.1	1.7	0.08	0.36	0.20
18	70	24.52	36.455	4.35	0.4	< 20	0.1	0.1	1.0	0.07		
17	80	22.79	36.473	4.59	2.0	0.07	<0.1	0.1	1.2	0.13	0.43	0.59
16	90	21.80	36.472	4.25	3.9	0.04	0.1	0.03	1.5	0.22	0.28	0.40
15	100	20.75	36.463	3.99	5.0	0.03	<0.1	0.03	1.5	0.25	0.15	0.26
14	110	20.02	36.435	3.83	9.6	0.02	0.1	0.03	2.6	0.49	0.11	0.24
13	125	19.13	36.420	3.24								0.14
12	150	18.00	36.420	3.28	15.9	0.01	0.1	0.01	5.0	0.86	0.06	0.12
11	175	16.16	36.157	2.79	18.5	0.01	0.1	0.03	6.2	1.03	0.03	0.03
10	200	15.04	35.976	2.72	20.5	0.01	0.1	0.1	7.4	1.16	$\sum_{z=0}^{100m}$ CHL = 33.3	
9	225	13.94	35.837	2.63	22.3	<0.01	0.1	0.2	8.6	1.27		
8	250	13.34	35.708	2.55	23.6	0.01	0.1	0.01	9.7	1.35		
7	275	12.84	35.609	2.55	25.1	<0.01	0.1	0.1	11.1	1.46		
6	300	11.89	35.500	2.53								
5	350	10.95	35.362	2.51	27.1	<0.01	<0.1	0.1	12.8	1.58		
4	375	10.72	35.313	2.50	27.9	0.01	0.1	0.1	13.4	1.65		
3	400	10.39	35.249	2.51	28.5	0.01	<0.1	0.1	14.1			
2	495	9.37	35.143	2.52	30.1	0.01	<0.1	0.01	16.2	1.77		
1	495	9.37	35.143	2.51	30.1	0.01	<0.1	0.1	16.2	1.75		



CRUISE: 88G5 STATION: B88G05*031*1 DATE: 21OCT88
LATITUDE: 27 42.2 LONGITUDE: 95 29.9

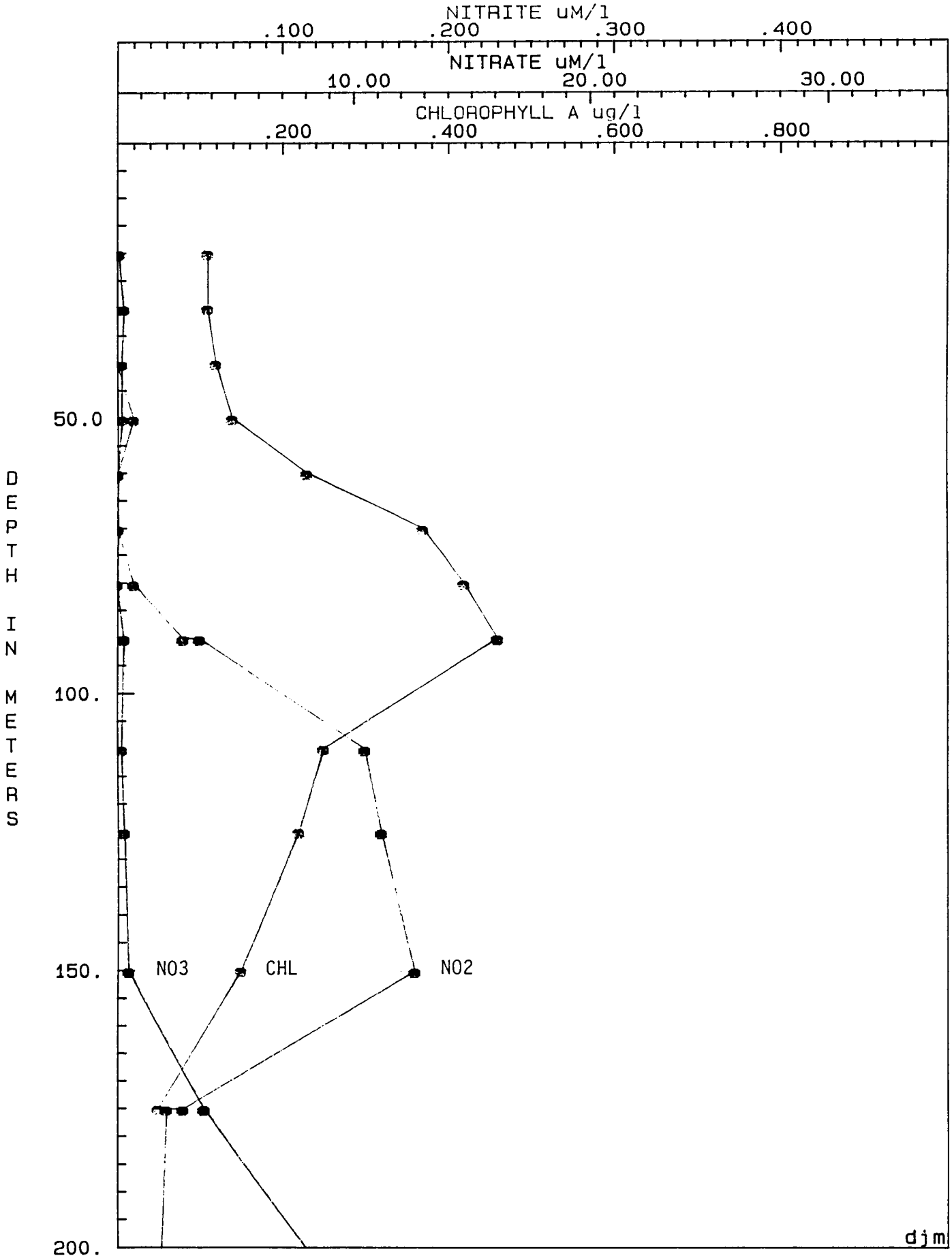


CRUISE: 88G5 STATION: B88G05*031*1 DATE: 21OCT88
LATITUDE: 27 42.2 LONGITUDE: 95 29.9

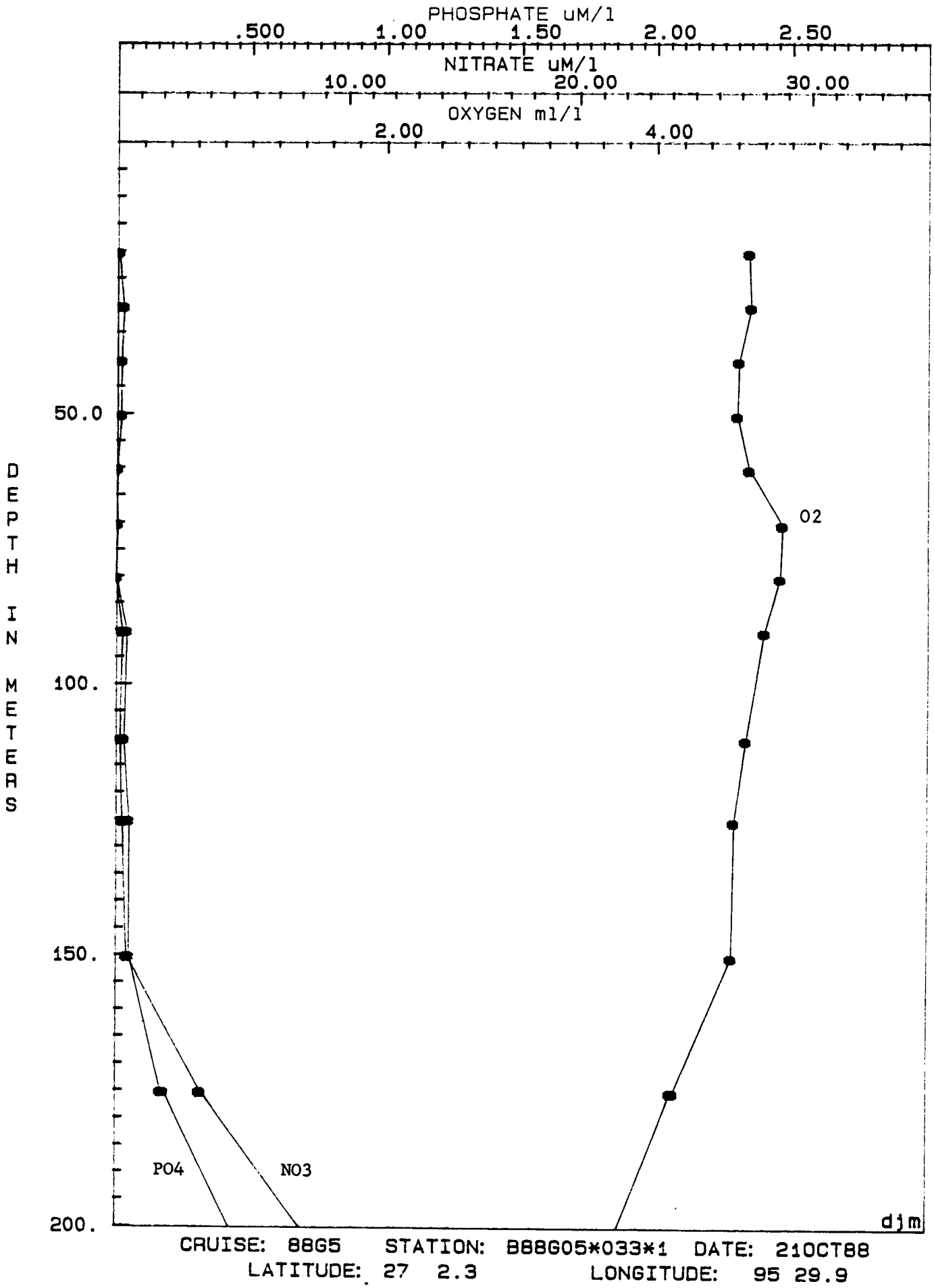
GMT 1036 B88G05

21 Oct 88 27 2.3 95 29.9 Station 33

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
23	20	26.53	36.402	4.68	0.1	<0.01	<0.1	0.4	1.7	<0.01	0.11	0.07
22	30	26.57	36.401	4.70	0.3	<0.01	<0.1	0.5	1.5	<0.01	0.11	0.06
21	40	26.54	36.403	4.61	0.2	<0.01	<0.1	0.3	1.5	<0.01	0.12	0.03
20	50	26.32	36.437	4.60	0.2	0.01	<0.1	0.2	1.2	<0.01	0.14	0.06
19	60	24.87	36.478	4.69	<0.1	<0.01	<0.1	0.4	1.2	<0.01	0.23	0.10
18	70	23.65	36.504	4.93	<0.1	<0.01	<0.1	0.3	1.5	<0.01	0.37	0.23
17	80	22.68	36.508	4.91	<0.1	0.01	<0.1	0.2	1.4	<0.01	0.42	0.33
16	90	22.15	36.508	4.80	0.3	0.04	<0.1	0.5	1.3		0.46	0.52
15	90	22.15	36.510	4.80	0.3	0.05	<0.1	0.7	1.3	0.04	0.46	0.58
14	110	21.47	36.511	4.66	0.2	0.15	<0.1	0.3	1.3	0.03	0.25	0.36
13	125	21.20	36.510	4.58	0.3	0.16	<0.1	0.2	1.4	0.05	0.22	0.38
12	150	20.56	36.527	4.56	0.5	0.18	<0.1	0.1	1.1	0.05	0.15	0.38
11	175	19.93	36.477	4.13	3.7	0.04	<0.1	0.1	1.9	0.17	0.13	0.07
10	175	19.93	36.477	4.12	3.7	0.03	<0.1	0.1	1.8	0.18	$\sum_{z=0}^{100m} CHL = 23.0$	
9	250	16.10	36.118	2.93	16.6	0.02	<0.1	0.2	6.1	0.91		
8	400	11.39	35.419	2.59	25.8	0.01	<0.1	0.1	12.6	1.51		
7	500	9.51	35.160	2.52	29.2	0.01	<0.1	0.2	16.7	1.75		
6	600	8.13	35.003	2.65	30.8	0.01	<0.1	0.1	19.8	1.88		
5	700	6.98	34.923	3.01	31.2	0.02	0.1	0.2	22.6	1.92		
4	800	6.56	34.905	3.04	31.1	0.02	0.1	0.1	23.7	1.93		
3	800	6.56	34.901	3.39	30.0	0.02	0.1	0.2	25.1	1.88		
2	1000	5.30	34.915	3.75	28.6	0.02	0.1	0.1	26.2	1.80		
1	1000	5.30	34.915	3.77	28.7	0.02	0.1	0.3	26.2	1.79		



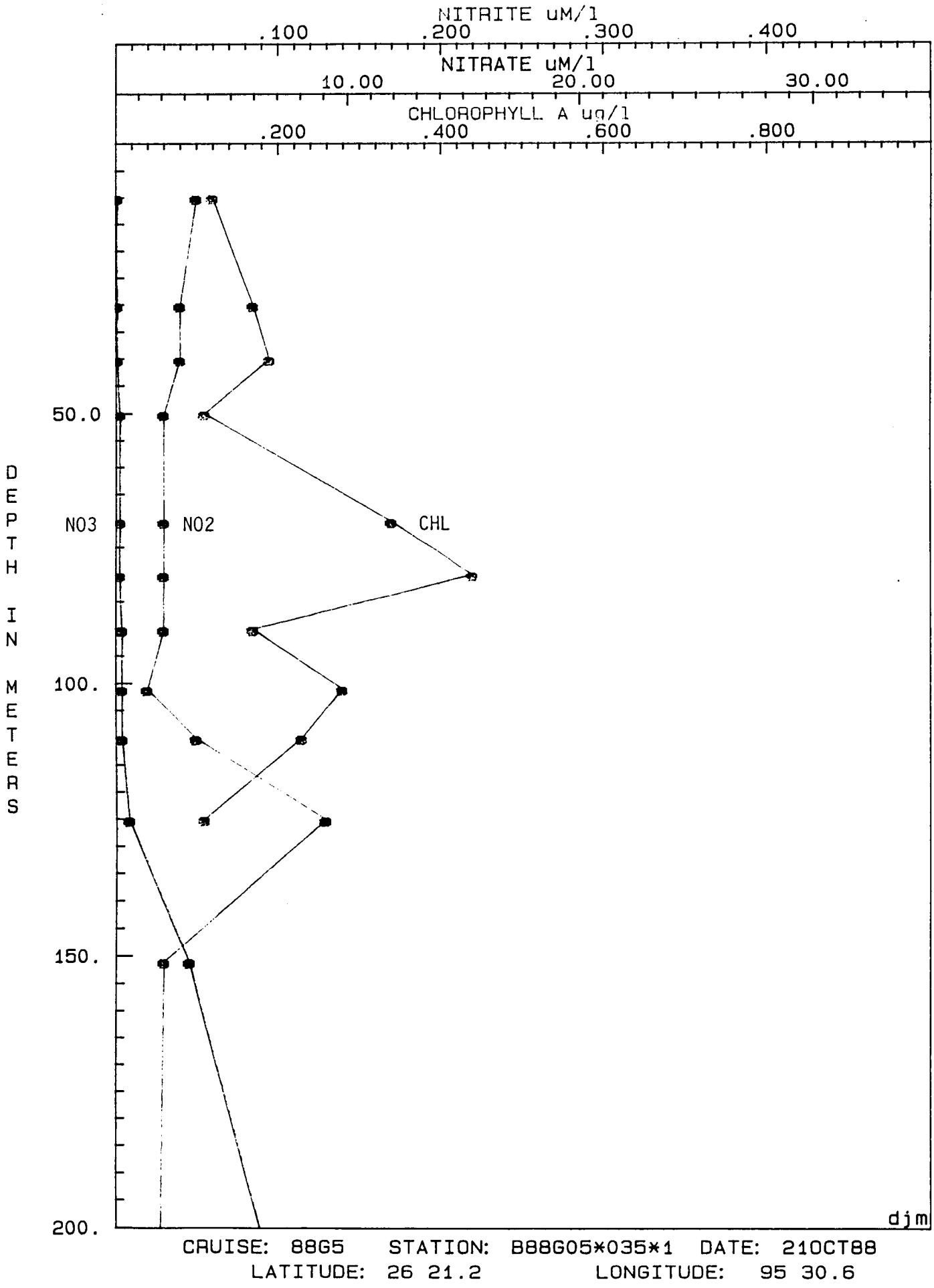
CRUISE: 88G5 STATION: B88G05*033*1 DATE: 21OCT88
LATITUDE: 27 2.3 LONGITUDE: 95 29.9



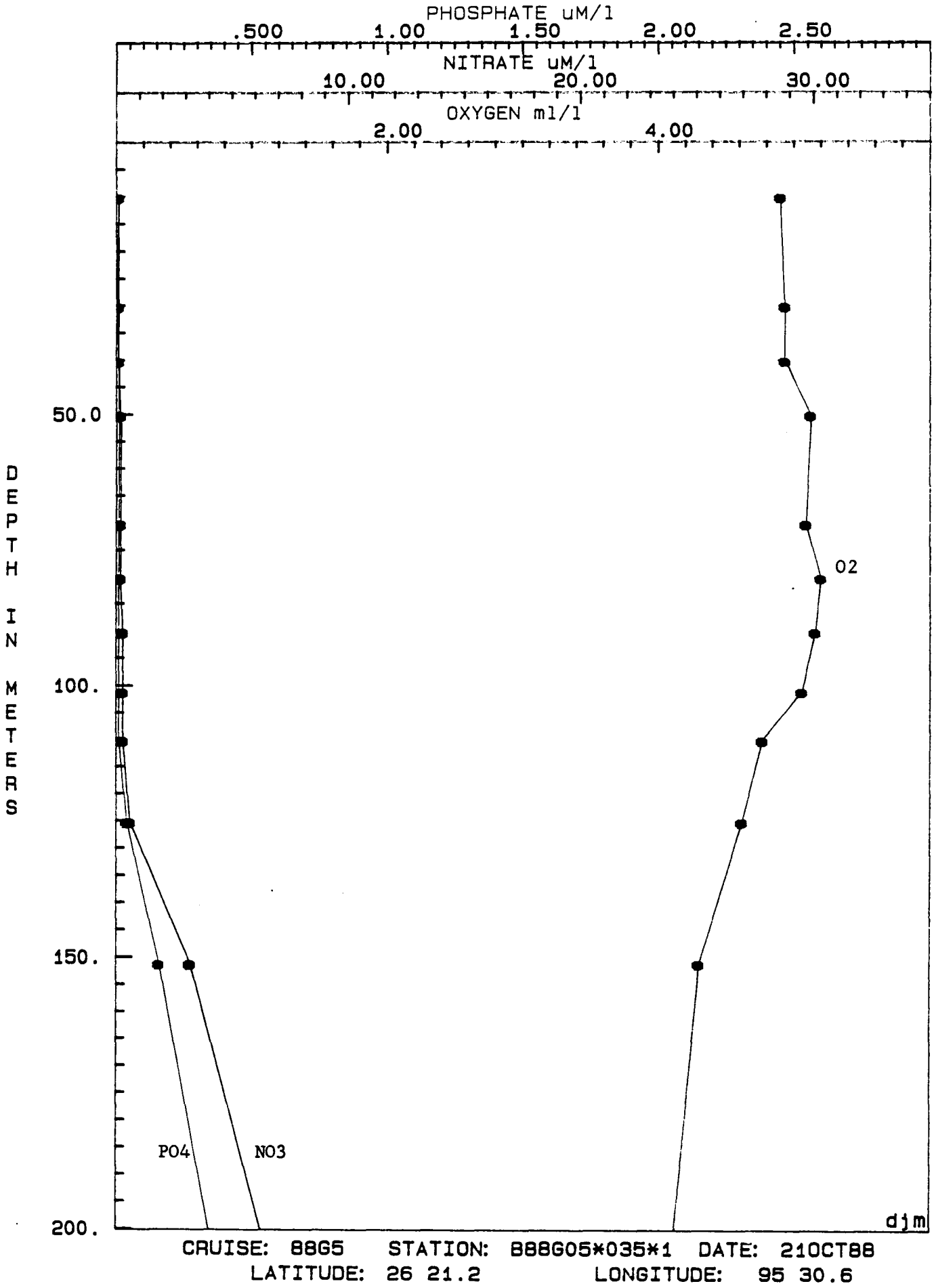
CRUISE: 88G5 STATION: 88G05*033*1 DATE: 21OCT88
LATITUDE: 27 2.3 LONGITUDE: 95 29.9

GMT 1930 21 Oct 88 — 26 21.2 95 30.6 — B88G05 Station 35

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
16	10	26.63	36.198	4.90	0.1	0.05	0.1	0.1	2.4	0.01	0.12	0.02
15	30	26.69	36.333	4.93	0.1	0.04	<0.1	0.6	1.9	<0.01	0.17	0.06
14	40	26.67	36.417	4.93	0.1	0.04	<0.1	0.1	1.8	0.01	0.19	0.08
13	50	26.46	36.450	5.12	0.2	0.03	<0.1	0.2	1.9	0.01	0.11	0.06
11	70	24.48	36.430	5.09	0.2	0.03	<0.1	0.1	1.5	0.01	0.34	0.17
10	80	23.45	36.507	5.20	0.2	0.03	<0.1	0.4	1.8	0.01	0.44	0.32
9	90	22.84	36.507	5.16	0.3	0.03	<0.1	0.1	1.8	0.01	0.17	0.54
8	101	22.38	36.501	5.06	0.3	0.02	<0.1	0.3	1.8	0.01	0.28	0.29
7	110	22.14	36.500	4.77	0.3	0.05	<0.1	0.1	1.8	0.01	0.23	0.33
6	125	21.66	36.506	4.62	0.6	0.13	<0.1	<0.1	1.8	0.04	0.11	0.26
5	151	21.09	36.489	4.30	3.2	0.03	<0.1	0.5	2.3	0.16	$\sum_{z=0}^{100m} CHL = 21.1$	
4	600	8.62	35.052	2.63	31.1	0.01	<0.1	0.2	19.7	1.85		
3	700	7.20	34.926	2.94	32.0	<0.01	<0.1	0.2	23.4	1.94		
2	900	5.76	34.899	3.53	30.3	<0.01	<0.1	0.1	26.5	1.86		
1	1100	4.97	34.927	4.06	28.0	0.01	<0.1	0.1	27.4	1.72		



CRUISE: 88G5 STATION: B88G05*035*1 DATE: 21OCT88
LATITUDE: 26 21.2 LONGITUDE: 95 30.6

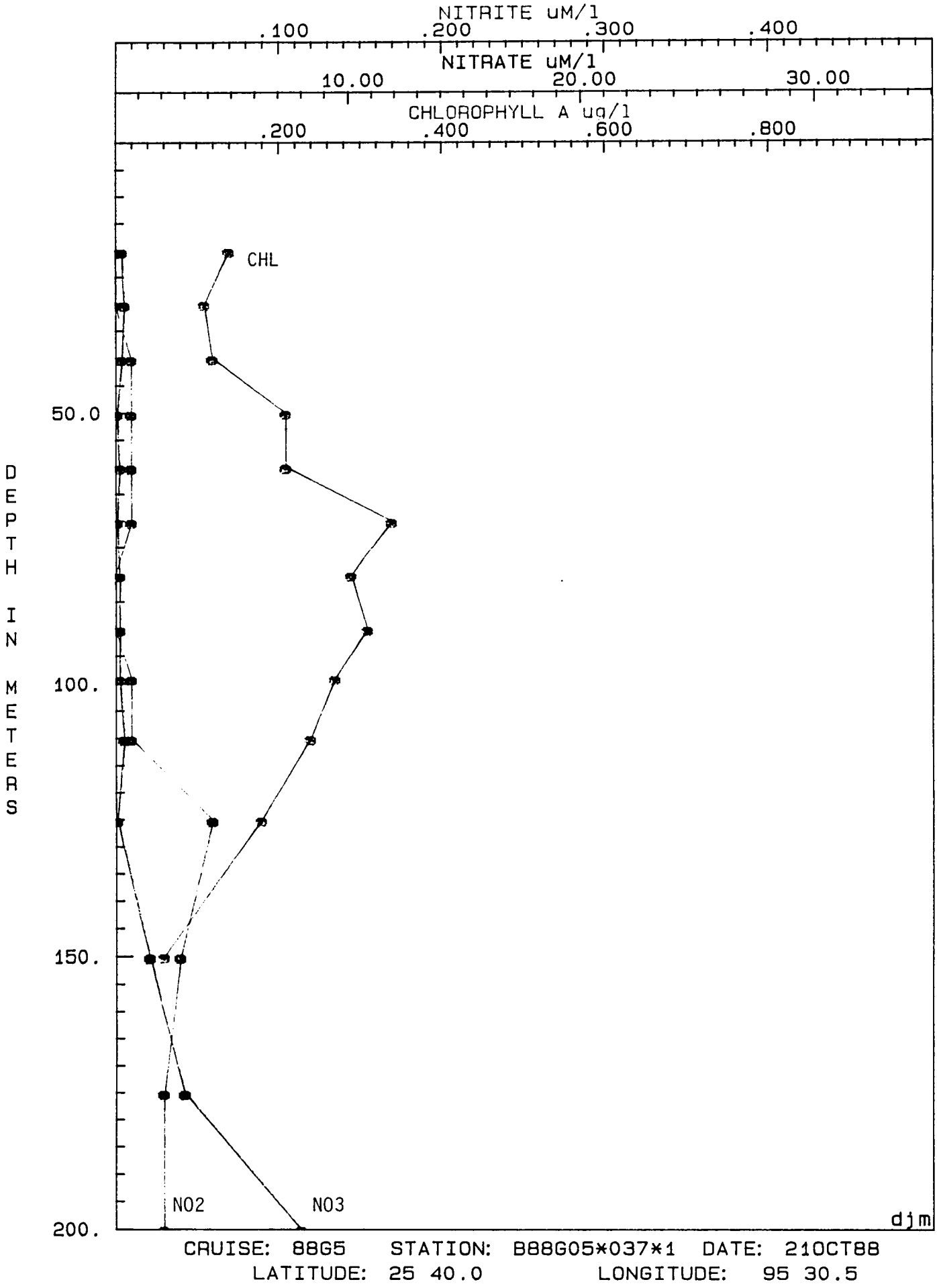


CRUISE: 88G5 STATION: 888G05*035*1 DATE: 21OCT88
LATITUDE: 26 21.2 LONGITUDE: 95 30.6

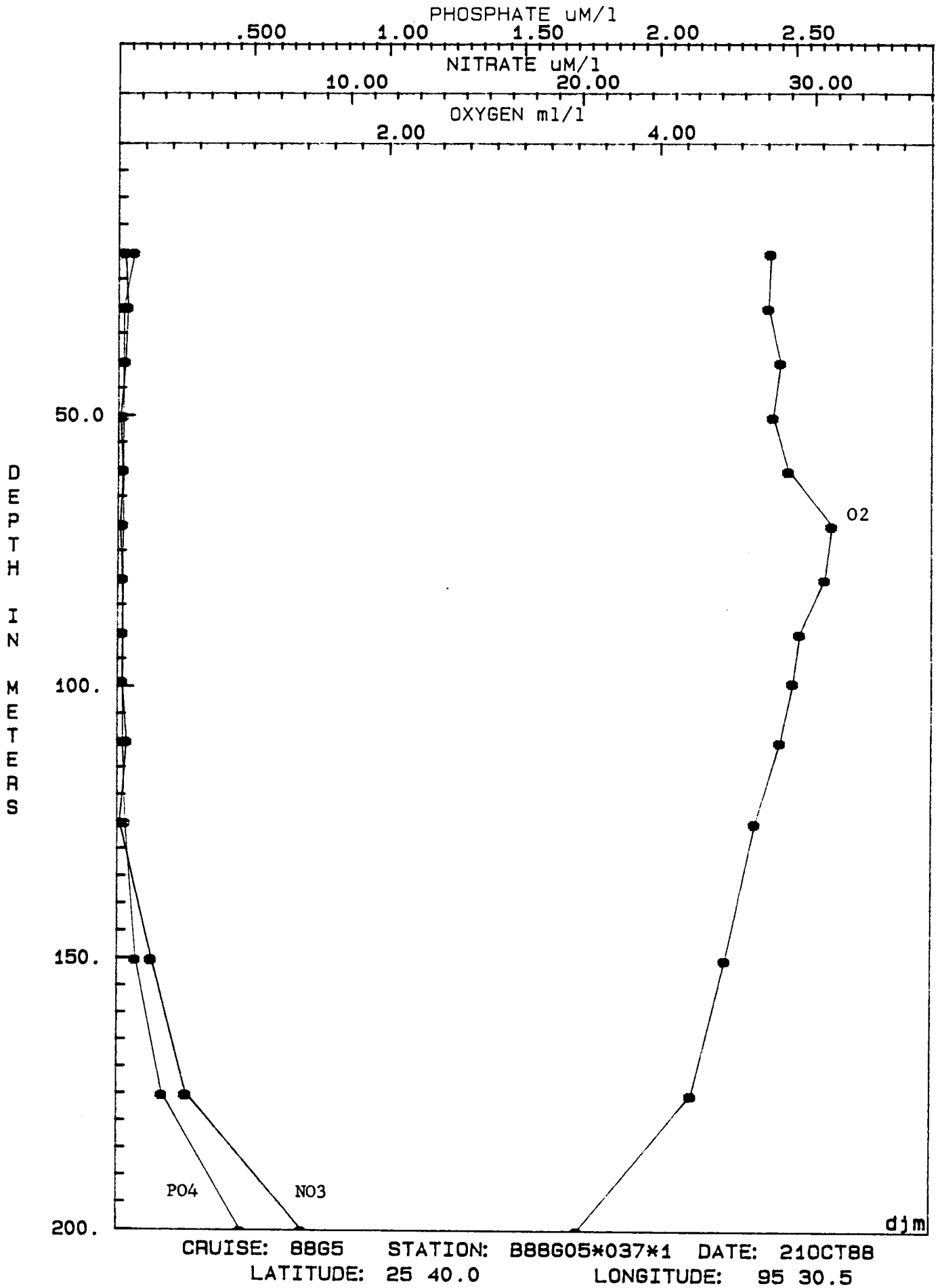
GMT 2359 B88G05

21 Oct 88 25 40.0 95 30.5 Station 37

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
22	20	26.73	36.378	4.82	0.3	<0.01	<0.1	0.2	1.9	0.06	0.14	0.12
21	30	26.76	36.408	4.80	0.4	<0.01	<0.1	0.2	1.4	0.02	0.11	0.09
20	40	26.77	36.460	4.89	0.3	0.01	<0.1	0.1	1.4	0.02	0.12	0.08
19	50	26.74	36.489	4.84	0.1	0.01	<0.1	0.1	1.4	0.02	0.21	0.10
18	60	26.24	36.516	4.95	0.2	0.01	<0.1	0.2	1.7	0.02	0.21	0.14
17	70	24.25	36.536	5.27	0.1	0.01	<0.1	0.2	1.4	0.02	0.34	0.17
15	80	23.44	36.547	5.22	0.2	<0.01	<0.1	0.2	1.1	0.02	0.29	0.16
14	90	22.90	36.543	5.03	0.2	<0.01	<0.1	0.2	0.9	0.02	0.31	0.22
13	99	22.43	36.535	4.98	0.2	0.01	<0.1	0.1	0.9	0.02	0.27	0.24
12	110	22.05	36.537	4.89	0.4	0.01	<0.1	0.1	0.9	0.02	0.24	0.40
11	125	21.62	36.523	4.71	0.1	0.06	<0.1	0.2	1.1	0.03	0.18	0.52
10	150	21.26	36.532	4.49	1.5	0.04	<0.1	0.2	1.4	0.07	0.06	0.27
9	175	20.54	36.490	4.24	3.0	0.03	<0.1	0.2	1.8	0.17	$\sum_{z=0}^{100m}$ CHL = 20.8	
7	00	19.48	36.434	3.41	8.0	0.03	<0.1	0.1	3.5	0.46		
6	250	16.76	36.199	2.84	14.0	0.01	0.1	0.1	5.7	0.83		
5	300	14.59	35.926	2.67	18.8	0.01	<0.1	0.1	8.3	1.07		
3	700	6.87	34.913	2.90	32.5	0.01	<0.1	0.1	23.7	1.94		
2	899	5.54	34.906	3.67	30.3	0.01	<0.1	0.1	26.6	1.84		
1	1000	5.11	34.923	3.92	28.9	0.01	<0.1	0.1	26.7	1.76		



CRUISE: 88G5 STATION: B88G05*037*1 DATE: 21OCT88
LATITUDE: 25 40.0 LONGITUDE: 95 30.5

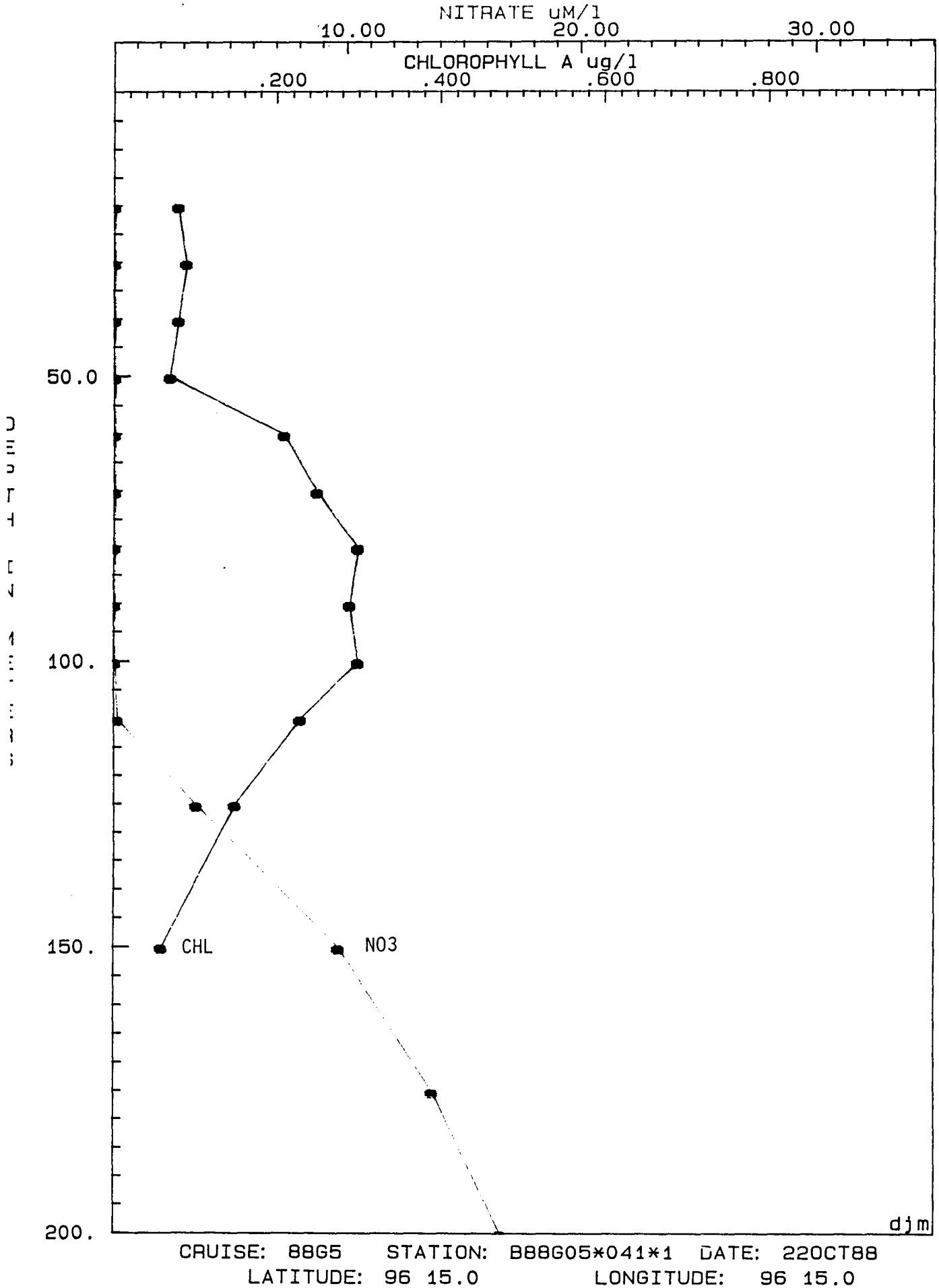


CRUISE: 88G5 STATION: B88G05*037*1 DATE: 21OCT88
LATITUDE: 25 40.0 LONGITUDE: 95 30.5

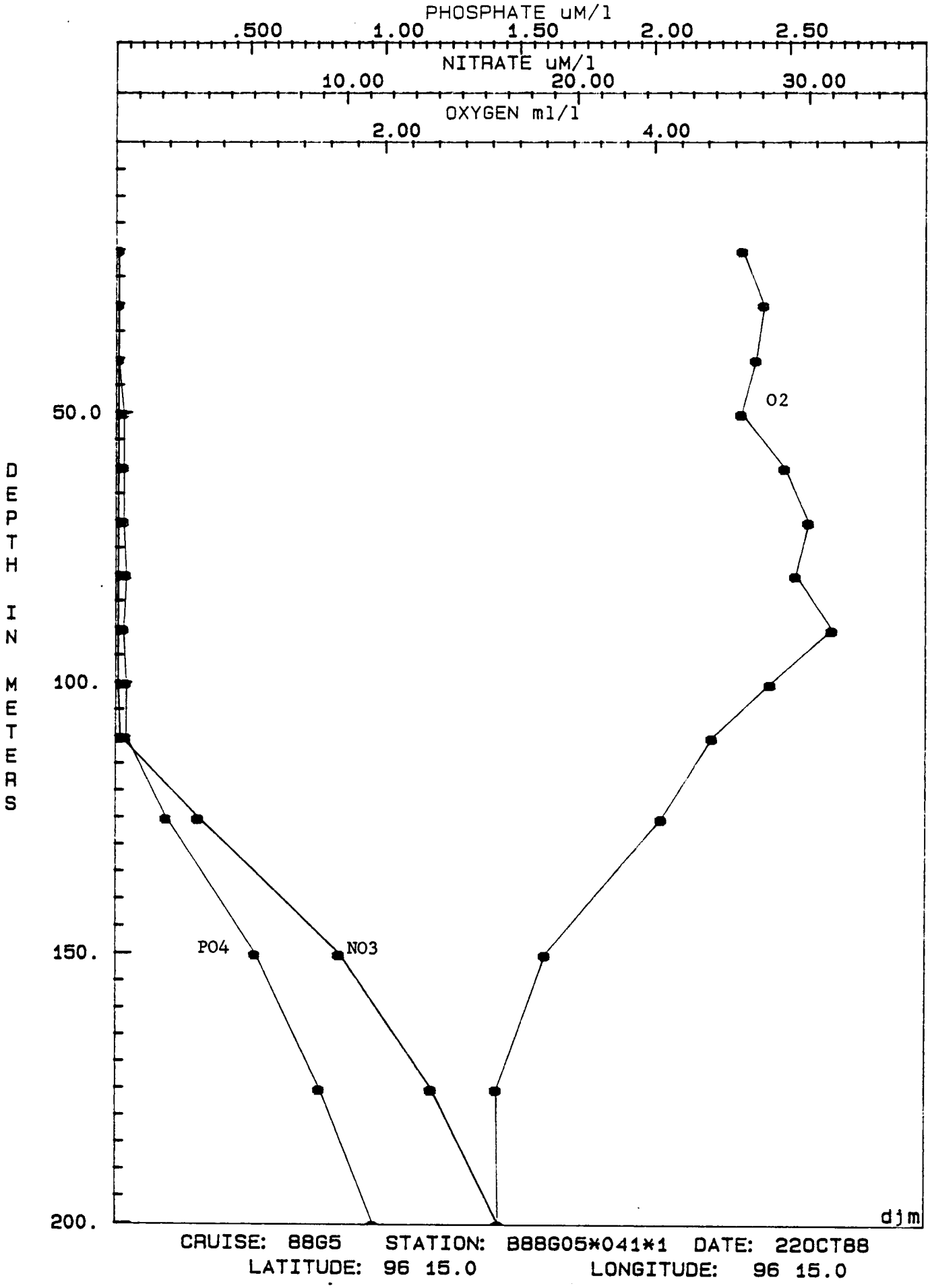
GMT 1115 B88G05

22 Oct 88 2540.47 96 15.0 Station 41

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
22	20	26.71	36.448	4.65	0.1		0.1	0.9	1.3	0.01	0.08	0.05
21	30	26.71	36.446	4.81	0.1		<0.1	0.2	1.2	0.01	0.09	0.03
20	40	26.71	36.448	4.75	0.1		<0.1	0.1	1.3	0.01	0.08	0.06
19	50	26.58	36.447	4.64	0.1		<0.1	0.1	1.6	0.03	0.07	0.06
18	60	25.89	36.433	4.96	0.1		0.1	0.2	1.7	0.03	0.21	0.09
17	70	24.28	36.490	5.14	0.1		0.1	0.4	1.7	0.03	0.25	0.09
15	80	23.14	36.499	5.04	0.1		<0.1	0.2	1.6	0.04	0.30	0.20
14	90	22.52	36.508	5.31	0.1		<0.1	0.2	1.6	0.03	0.24	0.28
13	100	22.14	36.506	4.86	0.1		<0.1	0.4	1.5	0.04	0.30	0.33
12	110	21.63	36.484	4.43	0.2		<0.1	0.4	1.6	0.04	0.23	0.56
11	125	20.72	36.462	4.05	3.6		<0.1	0.2	2.1	0.19	0.15	0.40
10	150	19.46	36.438	3.19	9.7		<0.1	0.1	3.4	0.52	0.06	0.19
9	175	17.76	36.325	2.83	13.7		<0.1	0.1	4.6	0.76	$\sum_{i=0}^{100m} CHL$	=16.4
7	200	16.25	36.114	2.85	16.6		<0.1	0.1	6.0	0.96		
6	225	15.08	35.956	2.74	18.6		<0.1	0.2	7.5	1.10		
5	250	14.09	35.800	2.65	21.0		<0.1	0.3	9.1	1.25		
4	300	12.43	35.555	2.56	24.4		<0.1	0.4	11.6	1.48		
3	350	11.28	35.390	2.50	26.8		<0.1	0.5	13.6	1.62		
2	400	10.25	35.239	2.57	28.6		<0.1	0.1	15.4	1.73		
1	514	8.60	35.045	2.67	31.0		<0.1	0.3	19.4	1.97		



CRUISE: 88G5 STATION: B88G05*041*1 DATE: 220CT88
LATITUDE: 96 15.0 LONGITUDE: 96 15.0



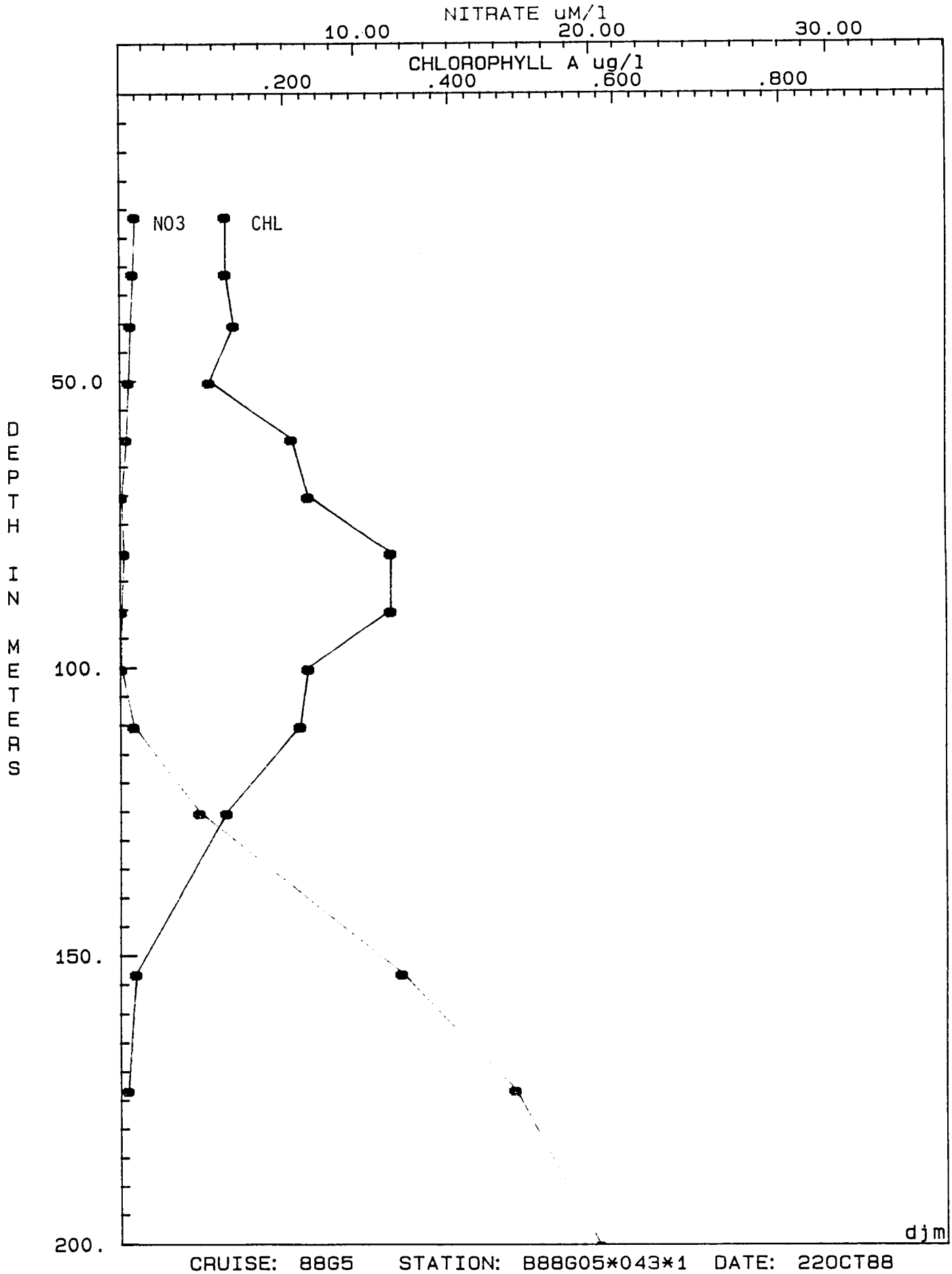
CRUISE: 88G5 STATION: B88G05*041*1 DATE: 22OCT88
LATITUDE: 96 15.0 LONGITUDE: 96 15.0

GMT 1558
22 Oct 88

26 19.7 96 15.1

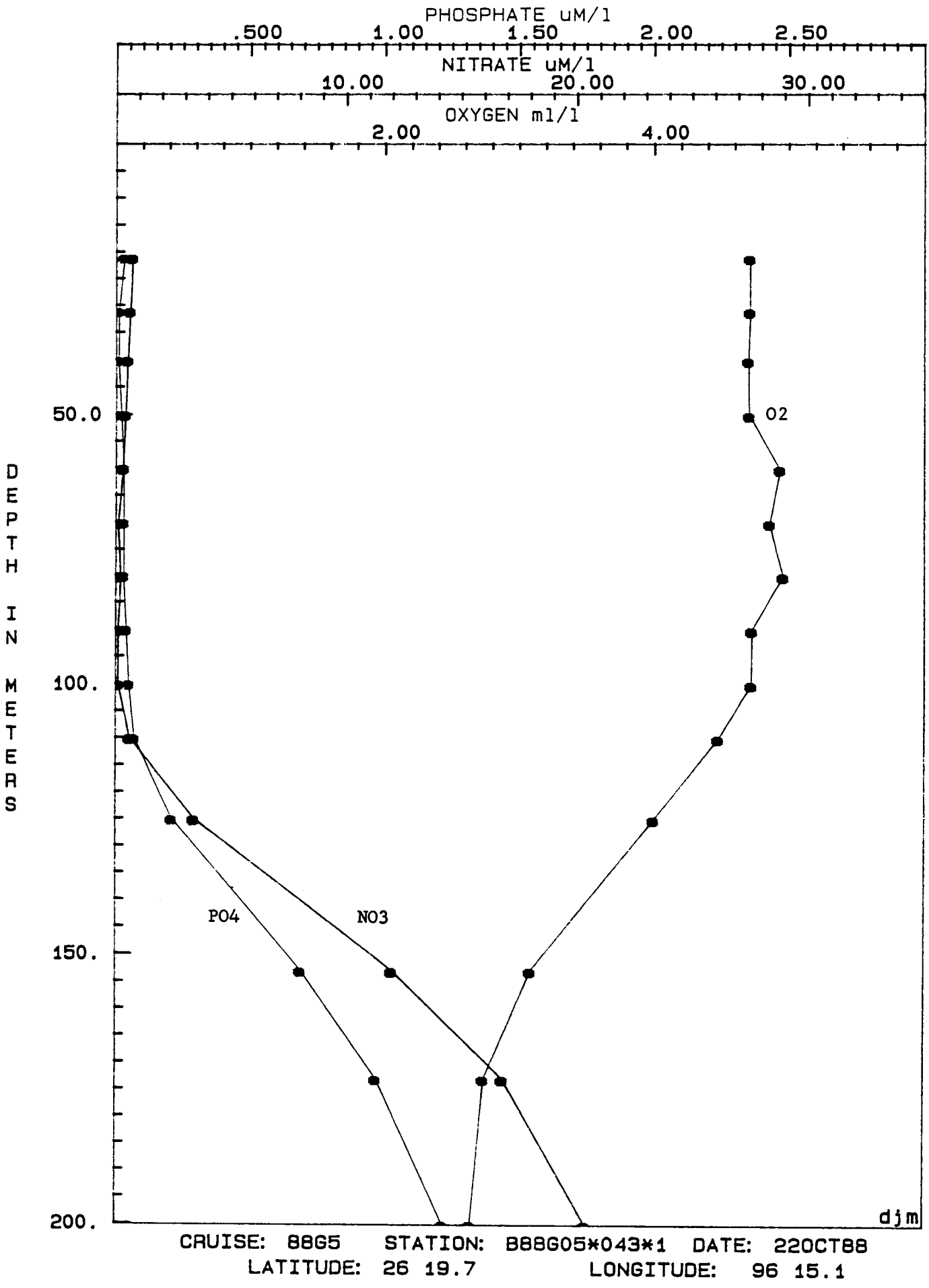
B88G05
Station 43

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
22	21	26.47	36.466	4.71	0.7		<0.1	0.1	2.1	0.03	0.13	0.03
21	31	26.42	36.487	4.71	0.6		<0.1	0.1	1.8	0.01	0.13	0.03
20	40	26.43	36.489	4.69	0.5		<0.1	0.2	1.8	0.01	0.14	0.04
19	50	26.39	36.492	4.71	0.4		<0.1	0.1	1.6	0.02	0.11	0.14
18	60	25.73	36.482	4.93	0.3		<0.1	0.1	1.6	0.03	0.21	0.08
17	70	25.04	36.480	4.86	0.1		<0.1	0.1	1.6	0.03	0.23	0.11
15	80	24.25	36.483	4.96	0.2		<0.1	0.5	1.9	0.03	0.33	0.04
14	90	23.00	36.482	4.73	0.1		<0.1	0.5	1.9	0.04	0.33	0.06
13	100	22.41	36.491	4.72	0.1		<0.1	0.8	1.6	0.05	0.23	0.05
12	110	21.94	36.484	4.48	0.6		<0.1	0.4	1.7	0.07	0.22	0.35
11	125	20.86	36.465	4.00	3.4		<0.1	0.7	2.5	0.21	0.13	0.30
10	153	17.61	36.315	3.09	12.0		0.1	0.3	5.4	0.69	0.02	0.06
9	173	15.61	36.065	2.74	16.8		0.1	0.1	7.5	0.97	0.01	0.02
7	200	14.07	35.804	2.64	20.4		0.1	0.1	9.5	1.22	$\sum_{i=0}^{100m}$ CHL = 19.2	
6	225	13.2	35.665	2.64	22.2		0.1	0.2	10.9	1.31		
5	250	12.7	35.599	2.54	23.0		0.1	0.2	11.4	1.37		
4	300	11.62	35.444	2.52	24.8		0.1	0.2	12.6	1.51		
3	349	10.91	35.338	2.45	26.3		0.11	0.1	14.3	1.61		
2	400	9.90	35.205	2.53	27.7		<0.1	0.1	16.3	1.72		
1	465	9.33	35.121	2.53	28.9		<0.1	0.3	18.2	1.79		



CRUISE: 88G5 STATION: B88G05*043*1 DATE: 22OCT88

LATITUDE: 26 19.7 LONGITUDE: 96 15.1



CRUISE: 88G5 STATION: B88G05*043*1 DATE: 22OCT88

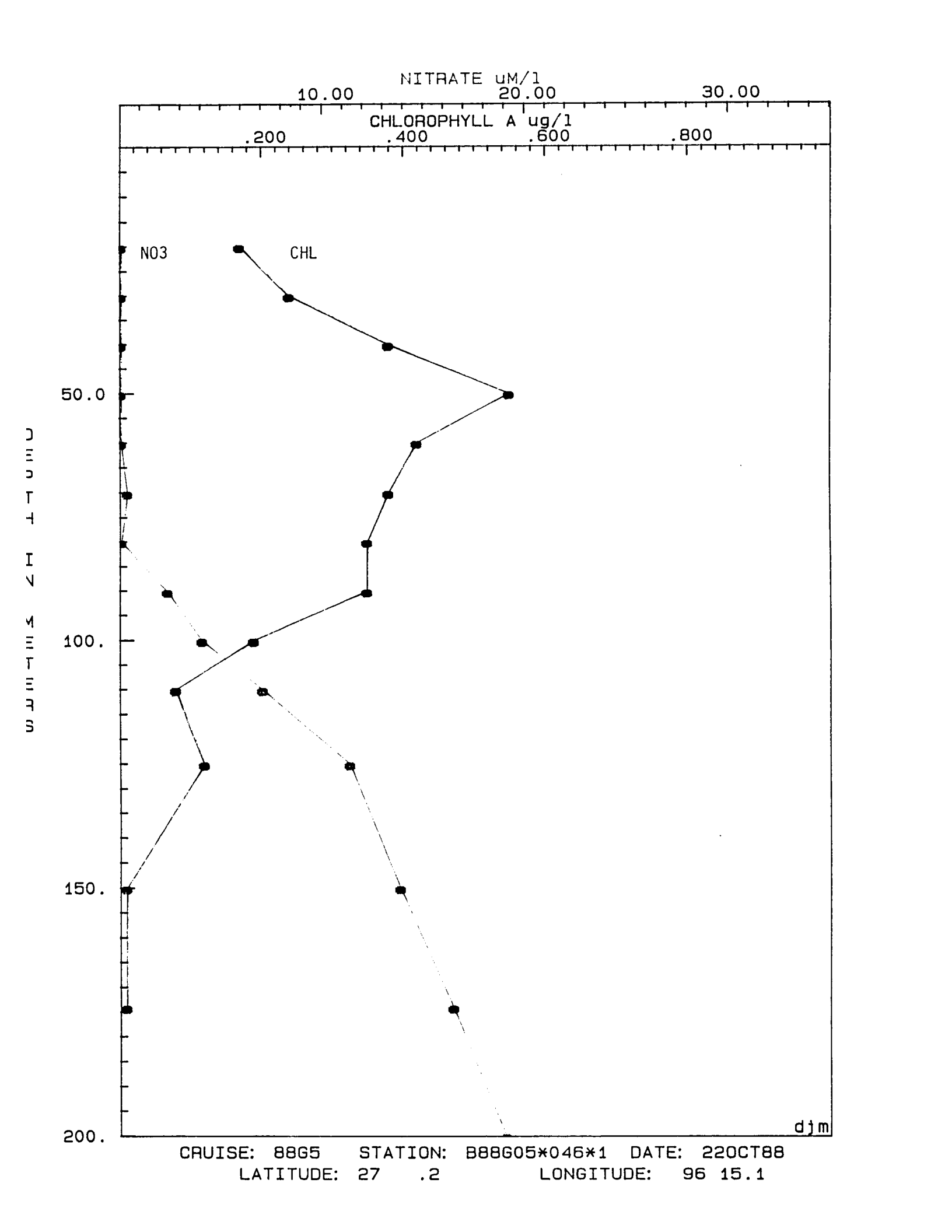
LATITUDE: 26 19.7 LONGITUDE: 96 15.1

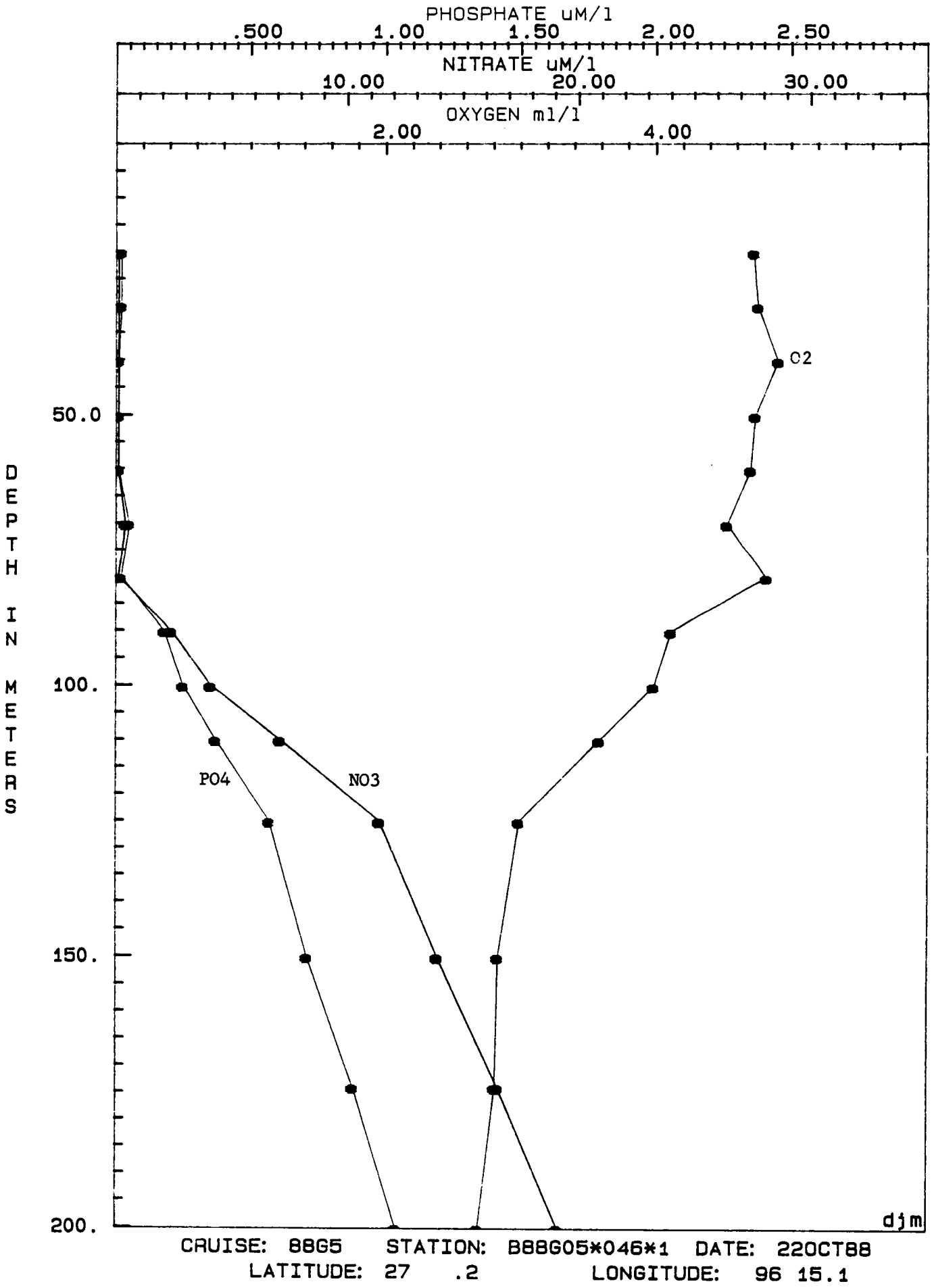
GMT 2055
22 oct 88

27.2 96 15.1

B88G05
Station 46

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
1	20	26.52	36.382	4.72	0.1		<0.1	0.1	1.0	0.02	0.17	0.13
2	30	26.47	36.440	4.75	0.1		<0.1	0.1	1.4	0.02	0.24	0.13
3	40	26.33	36.429	4.90	0.1		<0.1	0.1	1.5	0.01	0.38	0.20
4	50	26.02	36.452	4.73	0.1		<0.1	0.1	1.3	0.01	0.55	0.39
5	60	25.25	36.442	4.70	0.1		<0.1	0.1	1.0	0.01	0.42	0.37
6	70	24.59	36.444	4.52	0.1		<0.1	0.2	1.5	0.05	0.38	0.33
7	80	23.81	36.475	4.82	0.1		<0.1	0.2	1.0	0.02	0.35	0.32
9	90	22.58	36.470	4.11	2.4		<0.1	0.2	3.3	0.18	0.35	0.30
10	100	21.18	36.465	3.98	4.1		<0.1	0.3	3.3	0.25	0.19	0.22
11	110	19.61	36.422	3.58	7.1		<0.1	0.2	3.4	0.37	0.08	0.21
12	125	18.69	36.412	2.99	11.4		<0.1	0.2	4.4	0.57	0.12	0.12
13	150	17.70	36.302	2.83	13.9		<0.1	0.3	5.6	0.71	0.01	0.03
14	174	16.08	36.106	2.81	16.5		<0.1	0.2	7.1	0.88	0.01	0.02
15	200	14.95	35.932	2.69	19.1		<0.1	0.3	8.2	1.04	$\sum_{i=0}^{100m} CHL$	=32.0
17	250	13.22	35.673	2.57	22.5		<0.1	0.3	10.3	1.27		
18	300	12.03	35.487	2.51	25.2		<0.1	0.1	13.1	1.43		
19	350	10.97	35.335	2.47	27.5		<0.1	0.3	15.5	1.56		
20	399	9.96	35.202	2.60	29.6		<0.1	0.7	17.4	1.68		
21	481	9.06	35.104	2.49	31.1		<0.1	0.3	19.5	1.77		

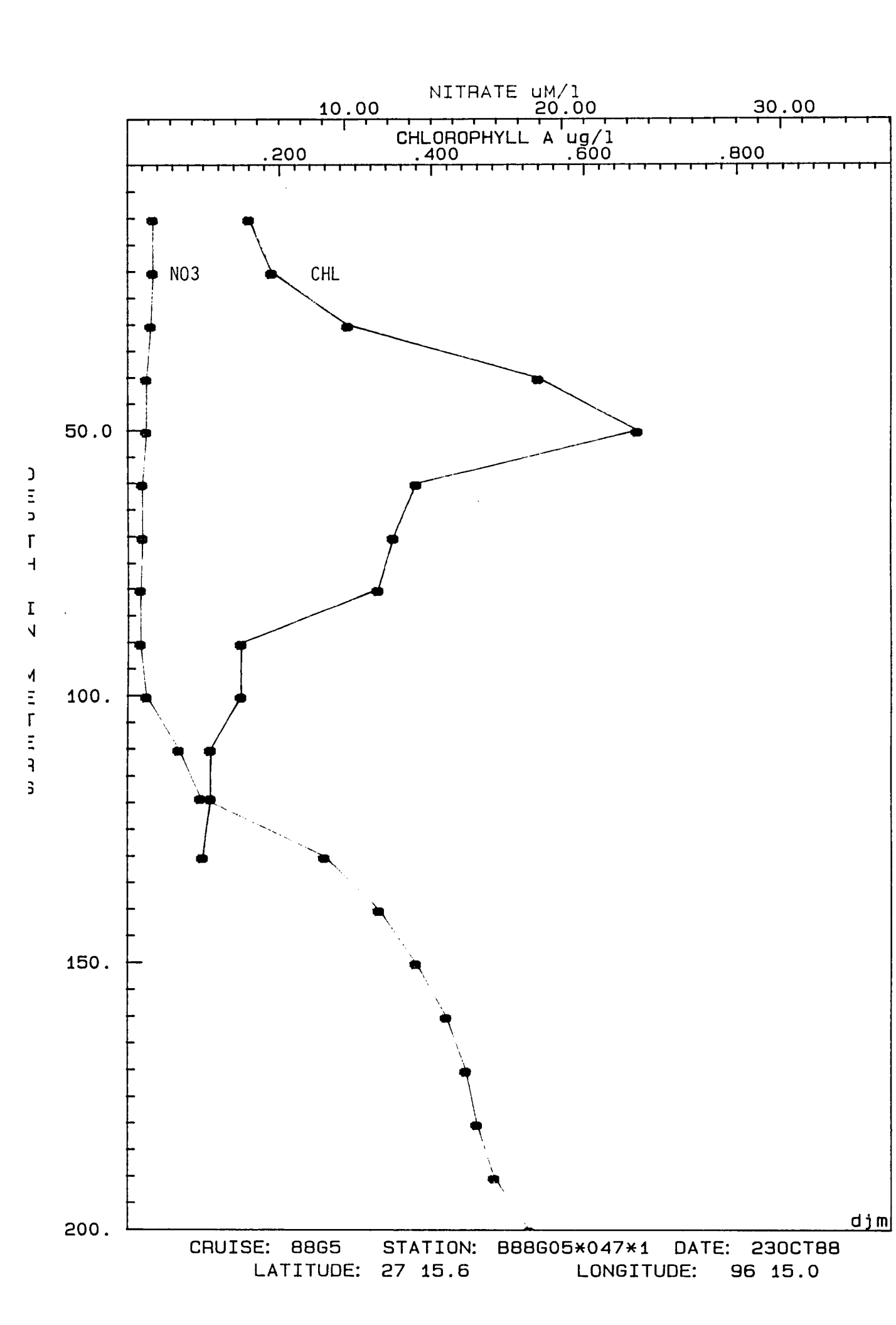

NITRATE uM/l
10.00
20.00
30.00
CHLOROPHYLL A ug/l
.200
.400
.600
.800
NO3
CHL
50.0
100.
150.
200.
DEPTH IN METERS
djm
CRUISE: 88G5 STATION: B88G05*046*1 DATE: 22OCT88
LATITUDE: 27 .2 LONGITUDE: 96 15.1

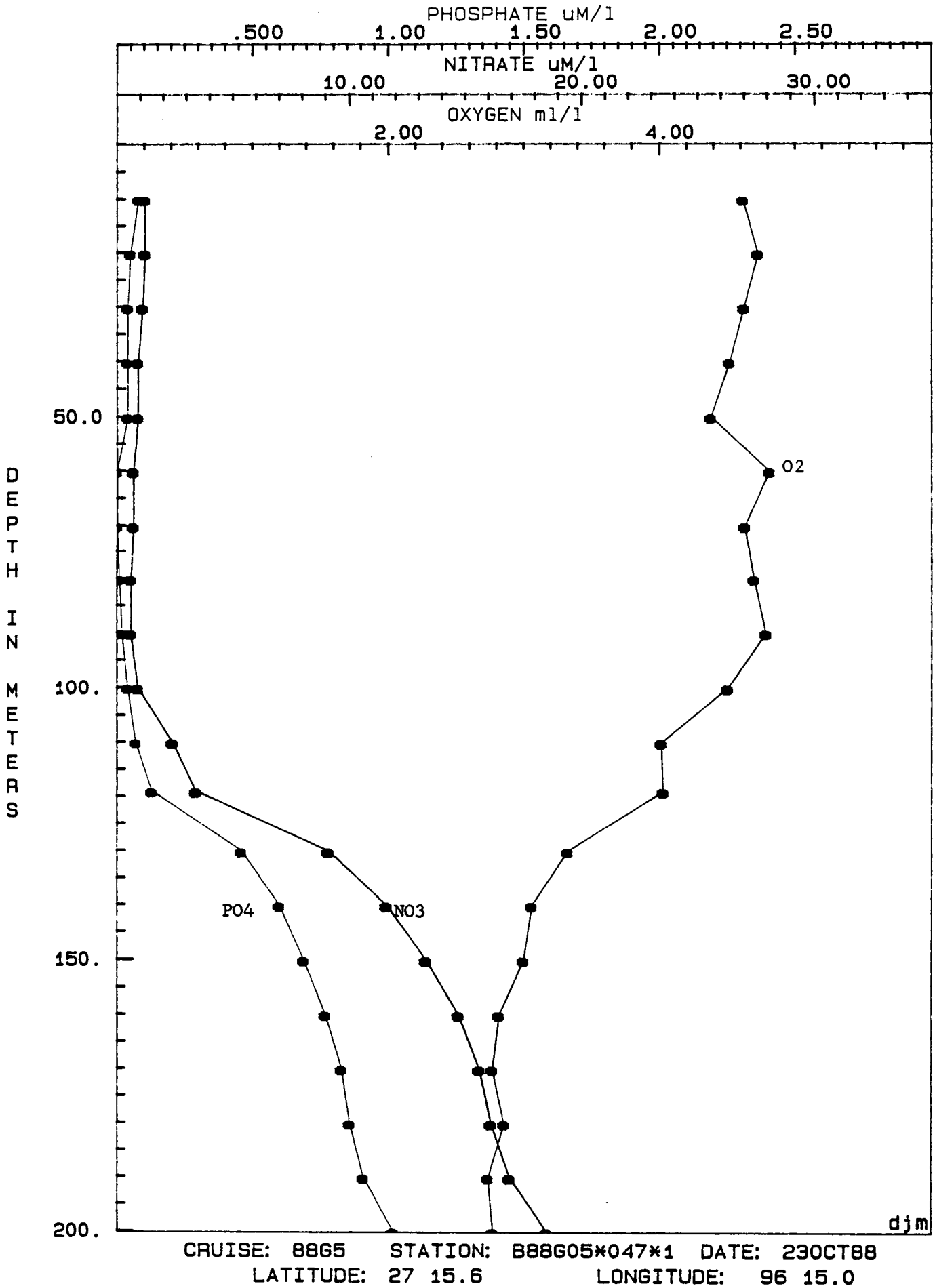


CRUISE: 88G5 STATION: B88G05*046*1 DATE: 22OCT88
LATITUDE: 27 .2 LONGITUDE: 96 15.1

GMT 0530 23 Oct 88 — 27 15.6 — 9615.0 — B88G05 station 47

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAE
22	10	26.61	36.250	4.62	1.2		<0.1	0.1	4.2	0.08	0.16	0.05
21	20	26.65	36.410	4.73	1.2		<0.1	0.1	2.9	0.05	0.19	0.08
20	30	26.57	36.414	4.62	1.1		<0.1	0.2	2.7	0.04	0.29	0.10
19	40	26.40	36.421	4.52	0.9		<0.1	0.1	3.1	0.04	0.54	0.01
18	50	27.72	36.432	4.38	0.9		<0.1	0.1	3.2	0.04	0.67	0.23
17	60	24.73	36.474	4.81	0.7		<0.1	0.1	1.8	<0.01	0.38	0.22
15	70	23.78	36.450	4.63	0.7		<0.1	0.1	1.7	<0.01	0.35	0.40
14	80	22.92	36.481	4.70	0.6		<0.1	0.1	1.7	0.01	0.33	0.53
13	90	22.30	36.501	4.79	0.6		0.1	0.2	1.7	0.02	0.15	0.19
12	100	21.77	36.486	4.51	0.9		<0.1	0.2	1.9	0.04	0.15	0.31
11	110	21.07	36.472	4.02	2.4		<0.1	0.1	2.3	0.07	0.11	0.27
10	119	20.69	36.462	4.03	3.4		<0.1	0.2	2.4	0.13	0.11	0.25
9	130	19.54	36.400	3.33	9.1		<0.1	0.1	4.4	0.46	0.10	0.09
7	140	18.51	36.351	3.06	11.6		<0.1	0.1	4.9	0.60	$\sum_{i=0}^{100\,m}$ CHL = 32.1	
6	150	17.88	36.302	3.00	13.3		0.1	0.1	5.5	0.65		
5	160	17.23	36.246	2.82	14.7		0.1	0.1	5.9	0.77		
4	170	16.68	36.183	2.77	15.6		<0.1	0.1	6.4	0.83		
3	180	16.35	36.146	2.86	16.1		<0.1	0.1		0.86		
2	190	15.96	36.091	2.74	16.9		0.1	0.2		0.91		
1	200	15.19	35.960	2.78	18.5		0.1	0.1		1.02		

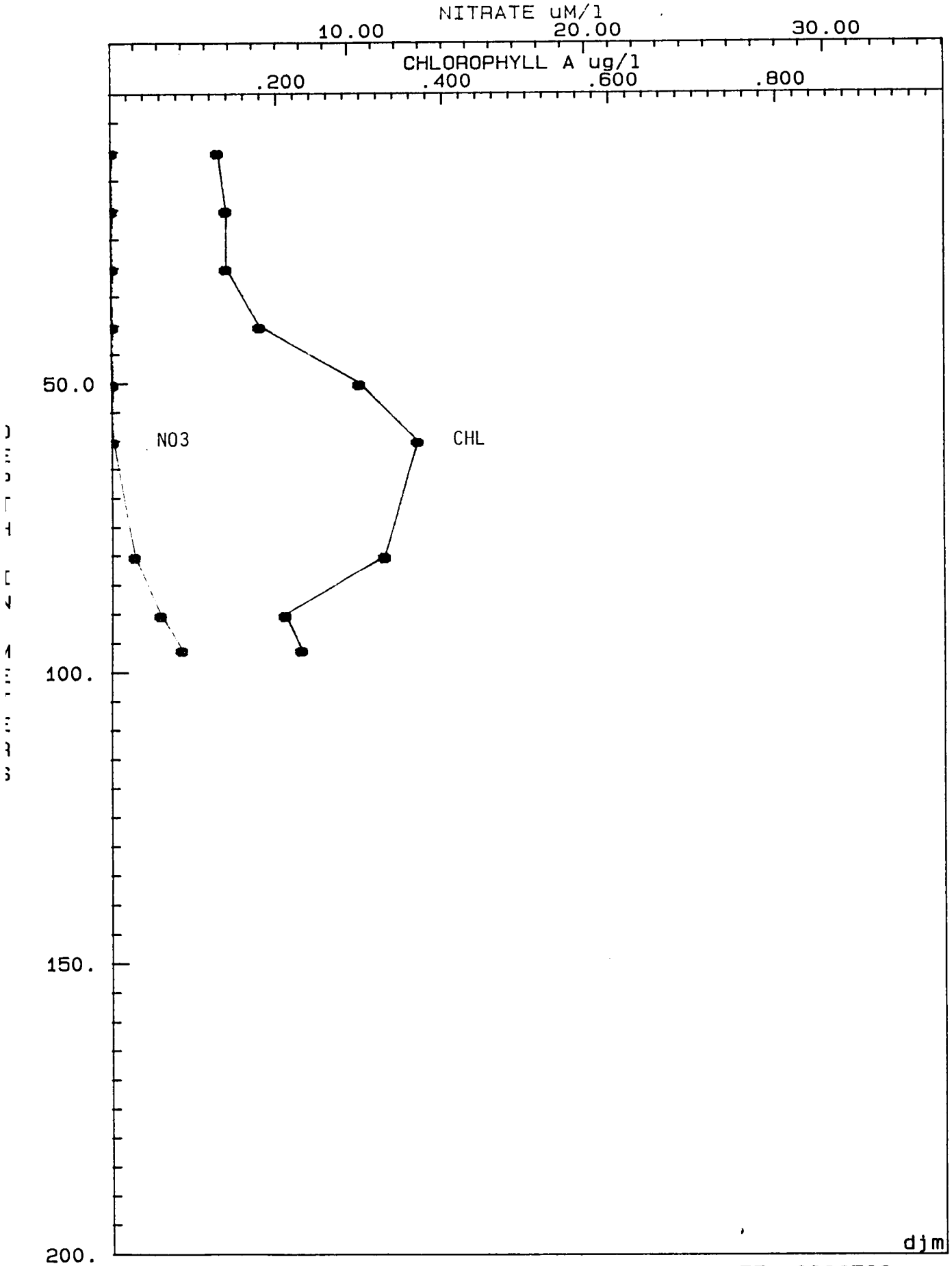

NITRATE uM/l
10.00
20.00
30.00
CHLOROPHYLL A ug/l
.200
.400
.600
.800
NO3
CHL
50.0
100.
150.
200.
DEPTH IN METERS
djm
CRUISE: 88G5 STATION: B88G05*047*1 DATE: 23OCT88
LATITUDE: 27 15.6 LONGITUDE: 96 15.0



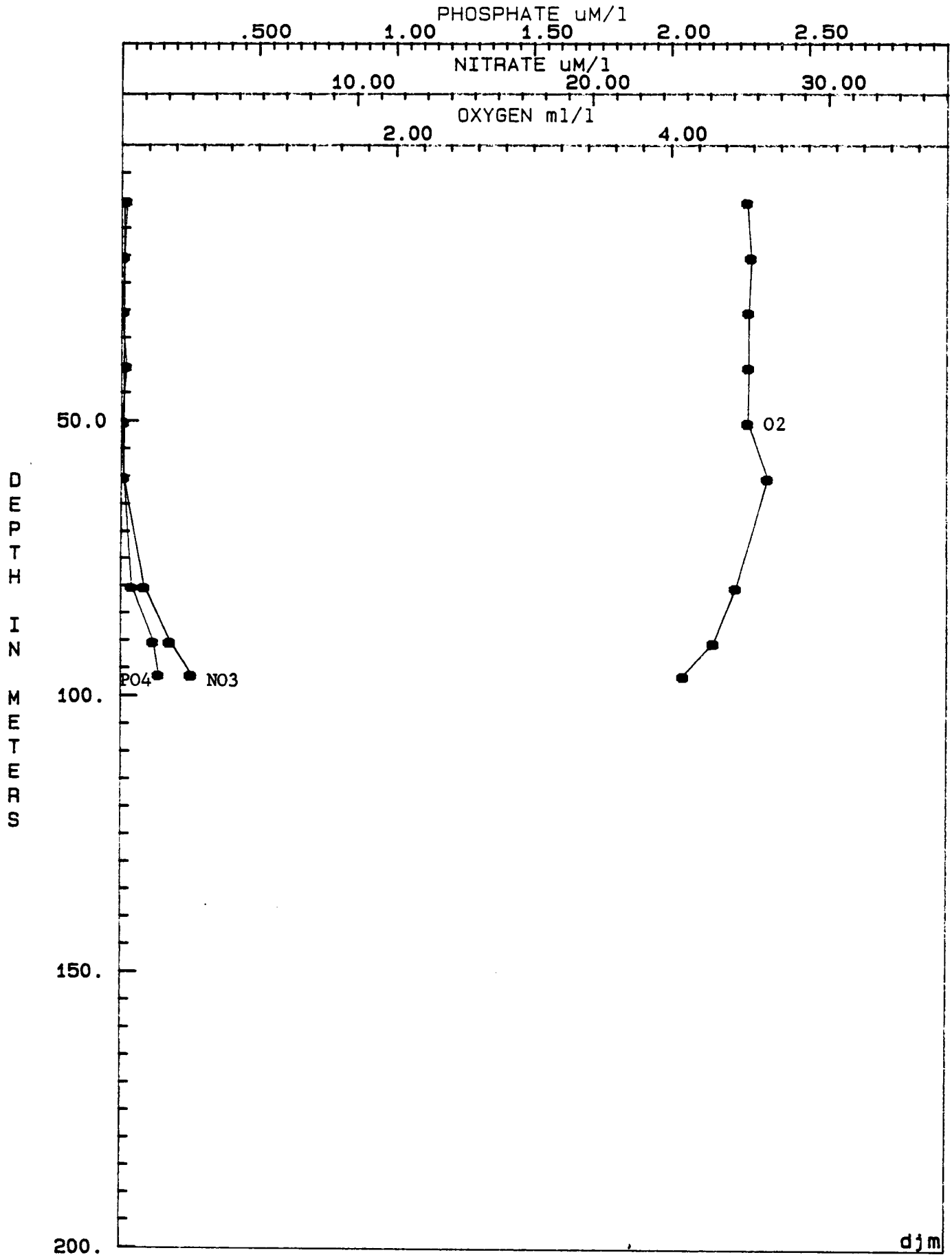
CRUISE: 88G5 STATION: 888G05*047*1 DATE: 230CT88
LATITUDE: 27 15.6 LONGITUDE: 96 15.0

GMT 1210
23 Oct 88 27 21.7 96 26.6 B88605 Station 48

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
10	10	26.51	35.925	4.55	0.1		<0.1	0.3	2.6	0.02	0.13	0.11
9	20	26.54	36.249	4.58	0.1		<0.1	0.2	2.1	0.01	0.14	0.10
7	30	26.59	36.436	4.57	0.1		<0.1	0.2	1.7	<0.01	0.14	0.12
6	40	26.47	36.441	4.57	0.1		<0.1	0.3	1.7	0.02	0.18	0.10
5	50	26.07	36.455	4.56	0.1		<0.1	0.4	1.5	<0.01	0.30	0.16
4	60	25.10	36.518	4.71	0.1		<0.1	0.3	1.0	0.01	0.37	0.23
3	80	22.73	36.479	4.47	1.0		<0.1	0.1	1.9	0.04	0.33	0.40
2	90	21.68	36.469	4.31	2.1		<0.1	0.4	1.9	0.12	0.21	0.34
1	96	21.20	36.459	4.10	3.0		<0.1	<0.1	2.6	0.14	0.23	0.38
											100M $\sum_{\text{CHL}}^{\text{CHL}}$ =	23.8



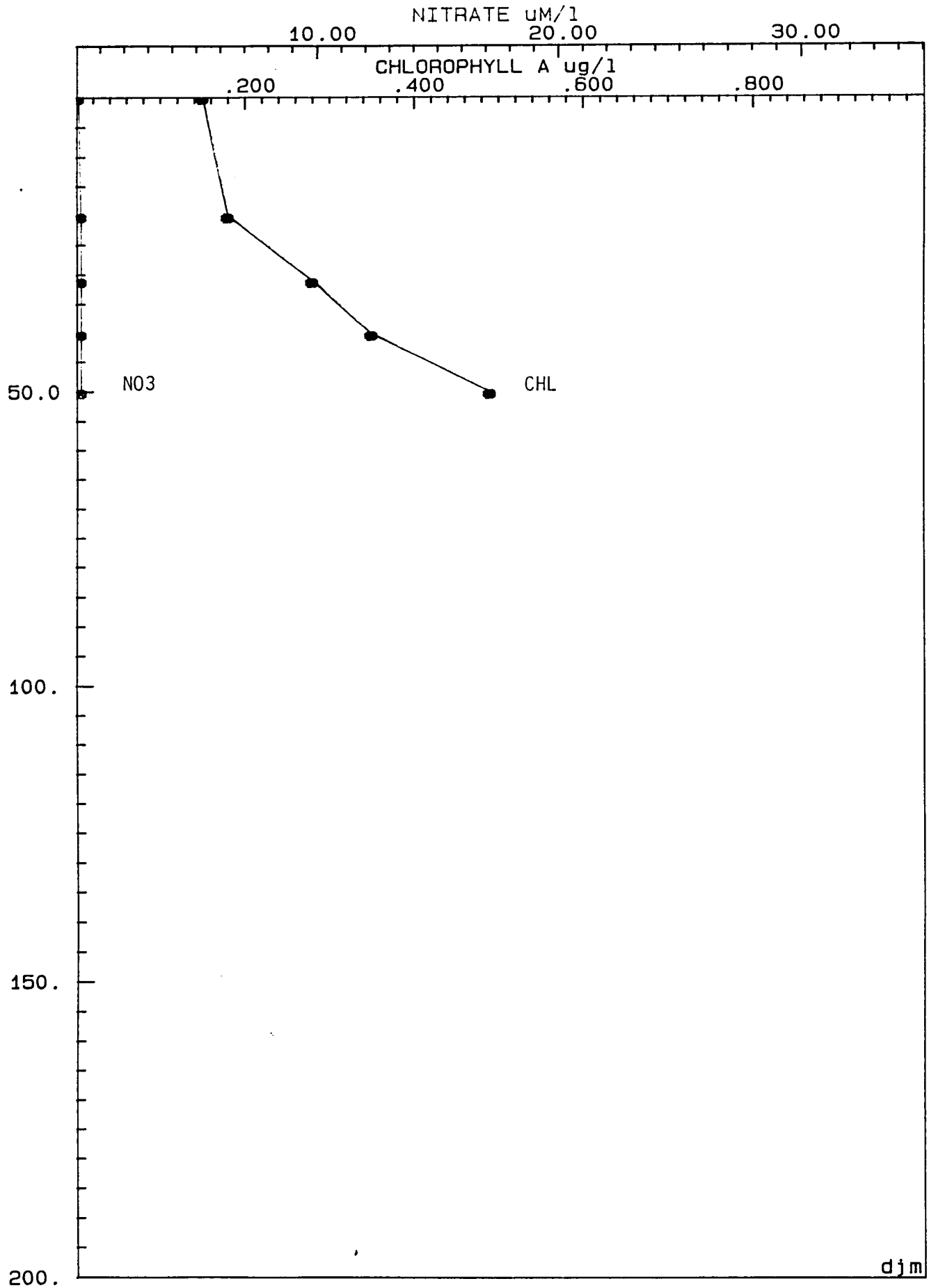
CRUISE: 88G5 STATION: B88G05*048*1 DATE: 230CT88
LATITUDE: 27 21.7 LONGITUDE: 96 26.6



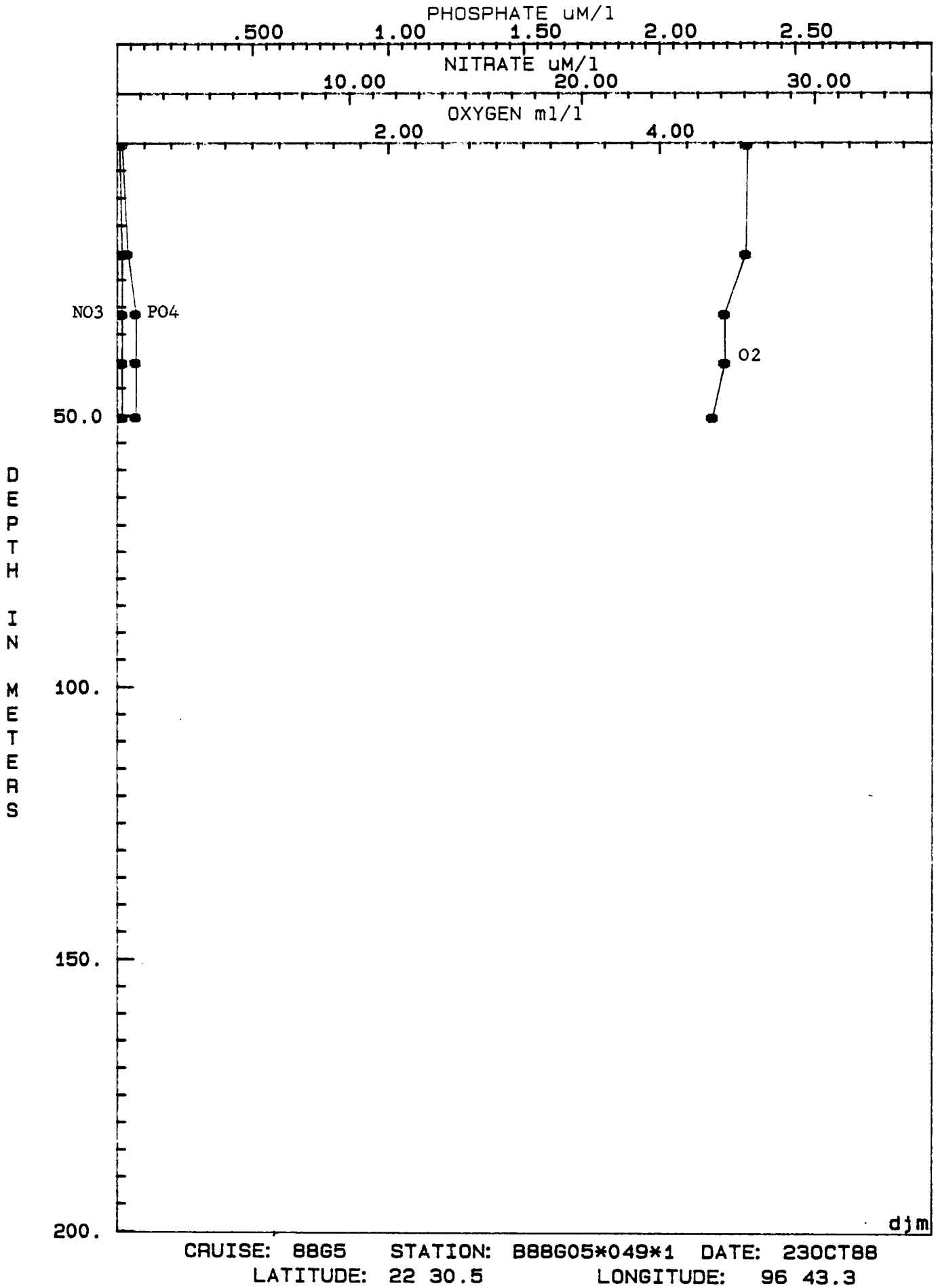
CRUISE: 88G5 STATION: B88G05*048*1 DATE: 23OCT88
LATITUDE: 27 21.7 LONGITUDE: 96 26.6

GMT 1430 23 Oct 88 — 22 30.5 — 96 43.3 — B88605 Station 49

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
17	0	26.02	34.588	4.65	0.1		<0.1	0.1		0.02	0.15	0.12
15	20	26.07	34.769	4.64	0.2		<0.1	<0.1		0.04	0.18	0.15
14	31	27.19	36.092	4.48	0.2		<0.1	0.1	6.0	0.07	0.28	0.12
13	40	26.95	36.180	4.48	0.2		<0.1	0.1	5.5	0.07	0.35	0.18
12	50	27.05	36.324	4.39	0.2		<0.1	0.1	6.1	0.07	0.49	0.28
											$\sum_{i=0}^{50m} CHL = 12.9$	



CRUISE: 88G5 STATION: B88G05*049*1 DATE: 230CT88
LATITUDE: 22 30.5 LONGITUDE: 96 43.3



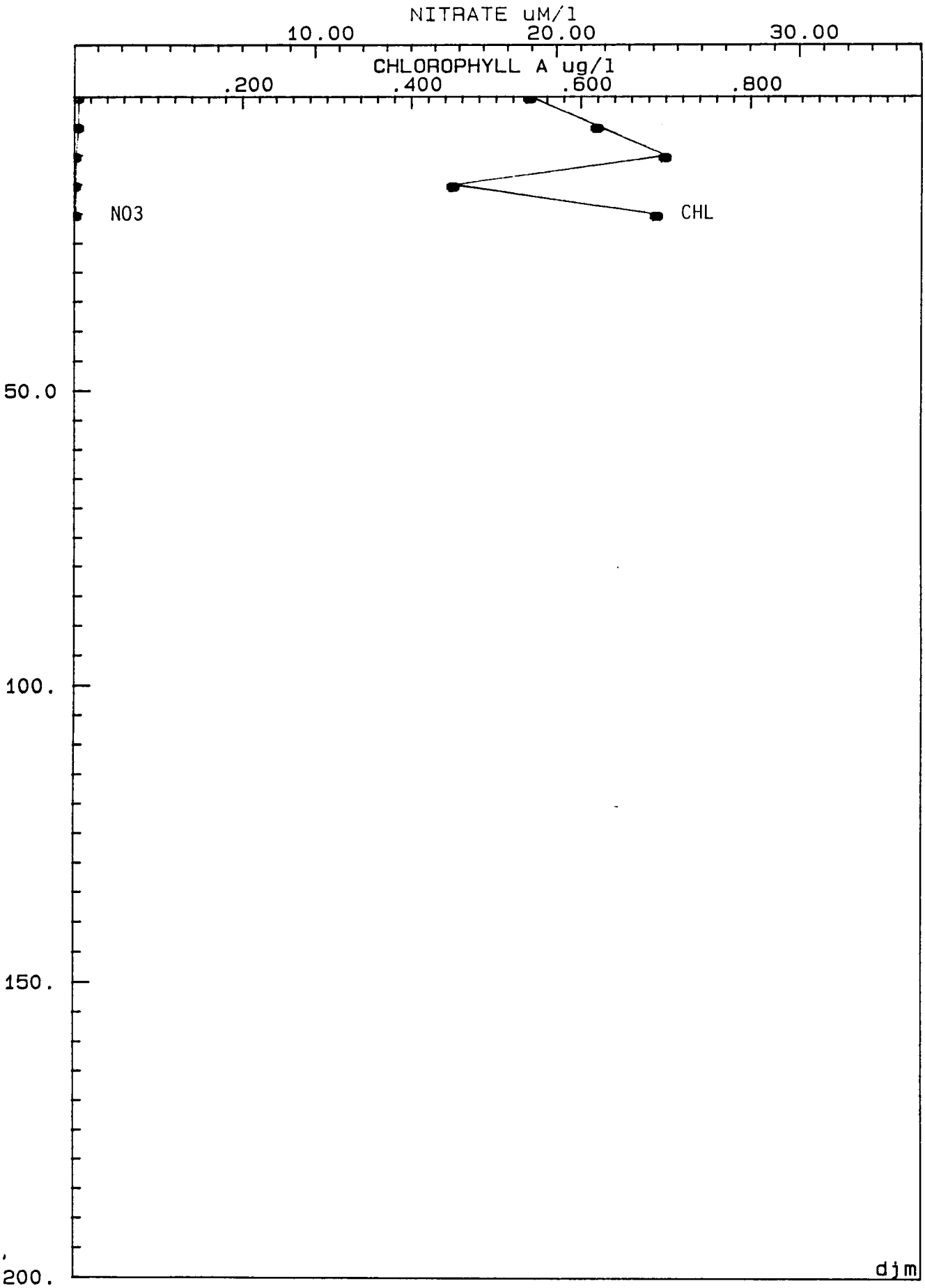
CRUISE: 88G5 STATION: B88G05*049*1 DATE: 230CT88
LATITUDE: 22 30.5 LONGITUDE: 96 43.3

GMT 1939
23 Oct 88

27 39.3 97 2.0

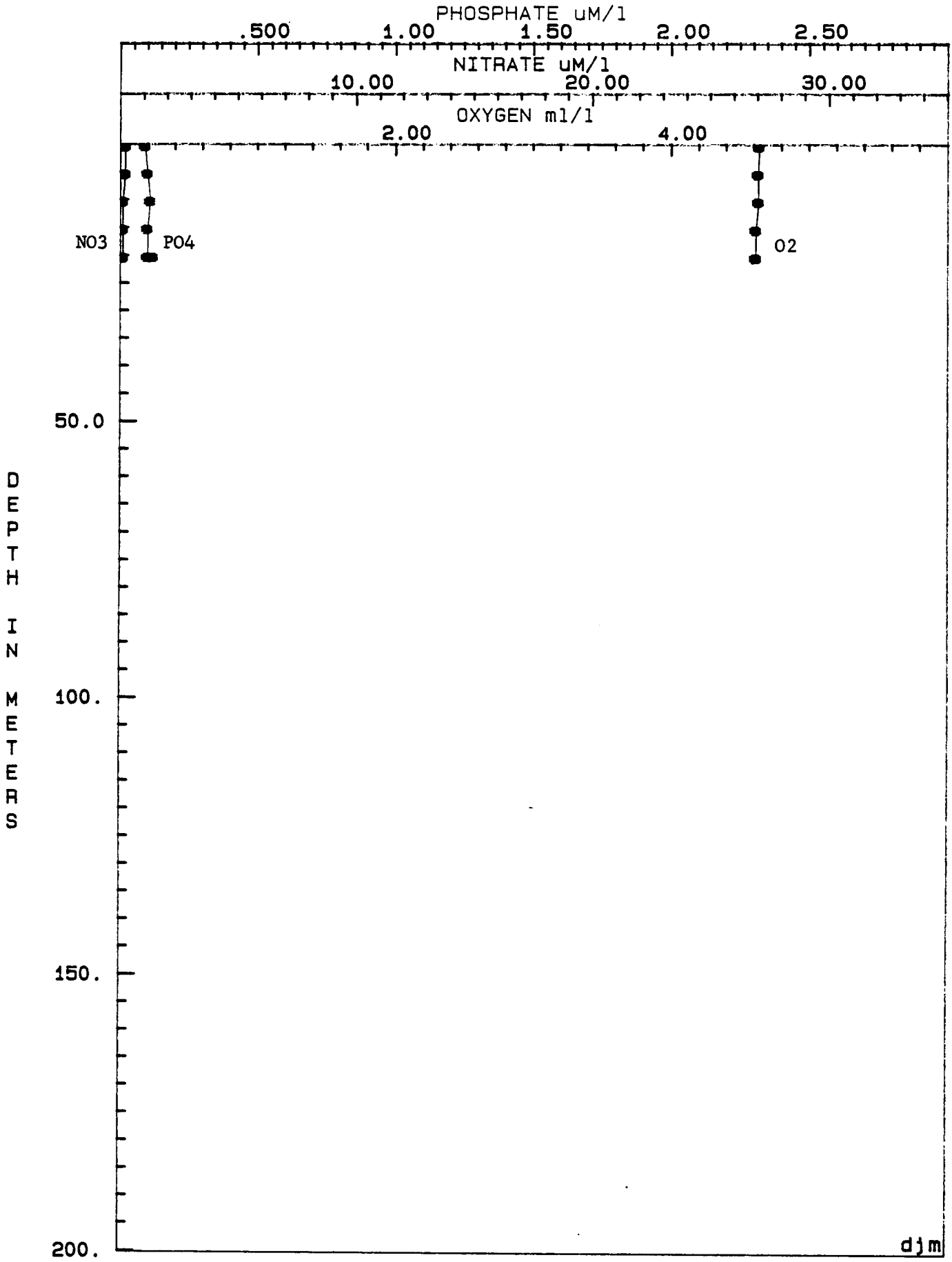
B88G05
Station 50

BOTTLE #	DEPTH	T	S	DO	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
6	0	26.00	34.683	4.64	0.2		<0.1	0.2	3.6	0.09	0.54	0.18
5	5	26.00	34.683	4.63	0.2		<0.1	0.2	3.5	0.10	0.62	0.13
4	10	25.97	34.684	4.63	0.1		<0.1	0.1	3.6	0.11	0.70	0.24
3	15	25.95	34.684	4.62	0.1		<0.1	0.1	3.6	0.10	0.45	0.20
2	20	25.94	34.682	4.61	0.1		<0.1	0.1	3.6	0.10	0.69	0.24
1	20	25.94	34.681	4.61	0.1		<0.1	0.1	3.6	0.12	$\sum_{i=0}^{20m} CHL$	= 12.0

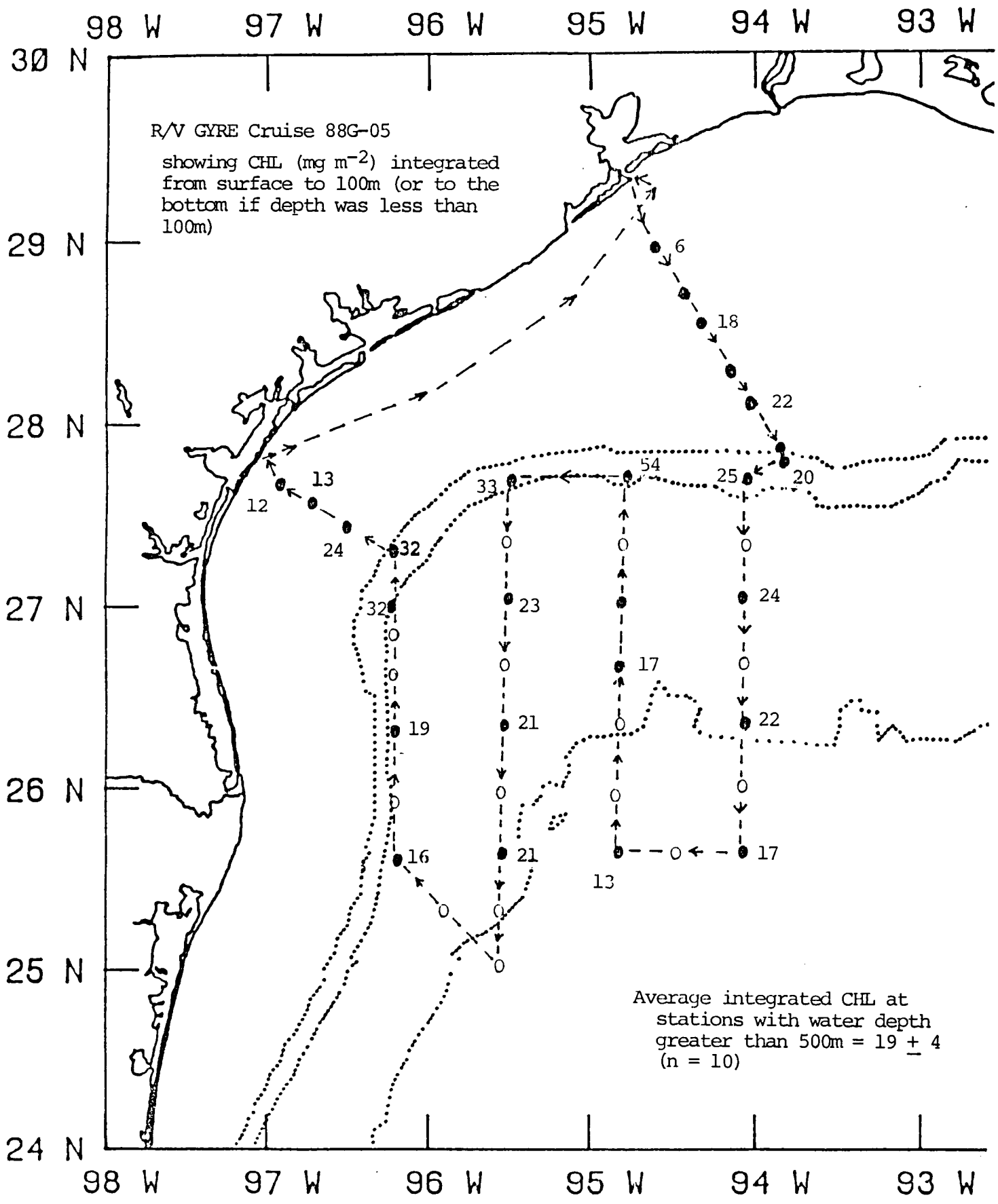


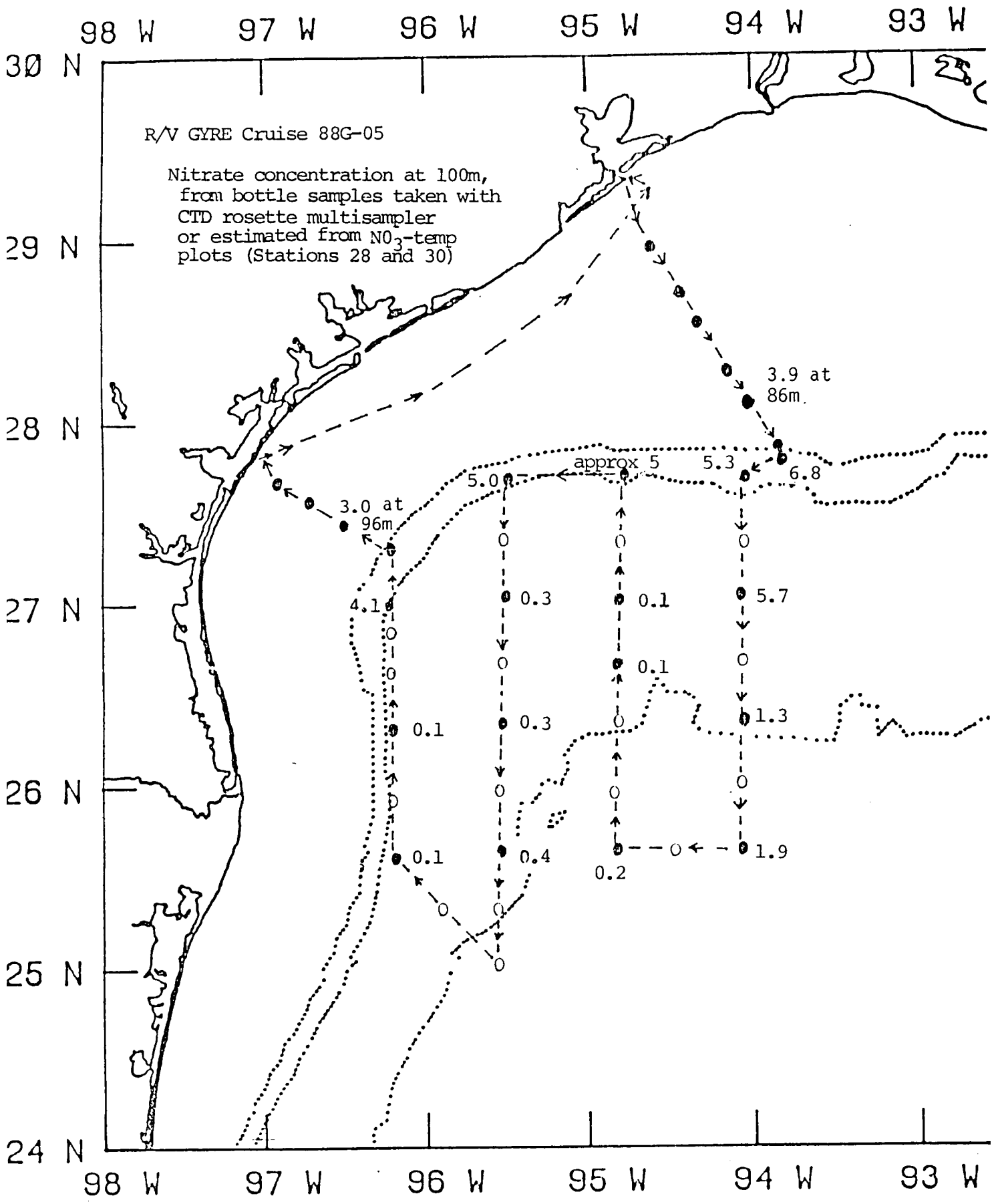
CRUISE: 88G5 STATION: B88G05*050*1 DATE: 230CT88

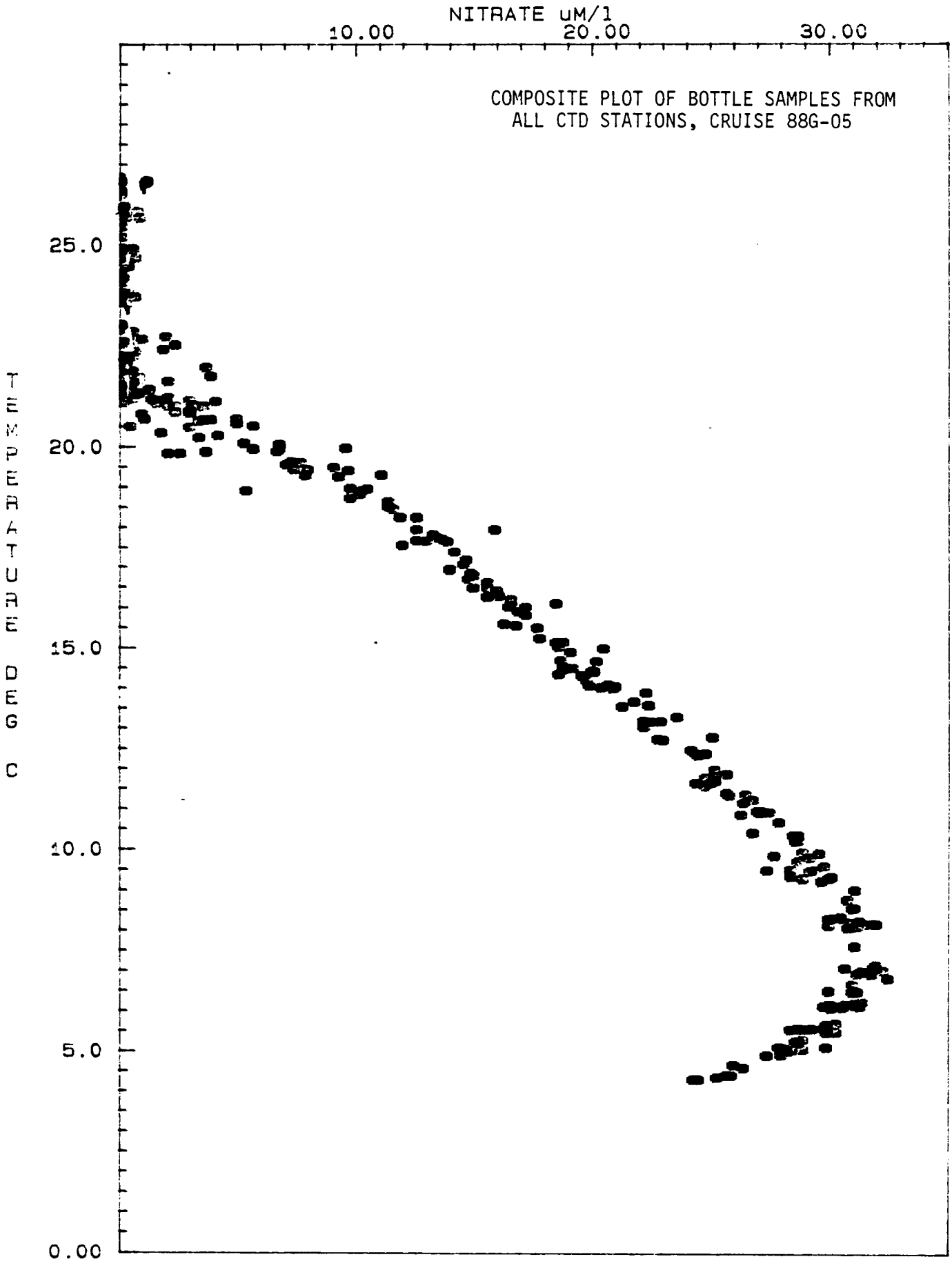
LATITUDE: 27 39.3 LONGITUDE: 97 2.0

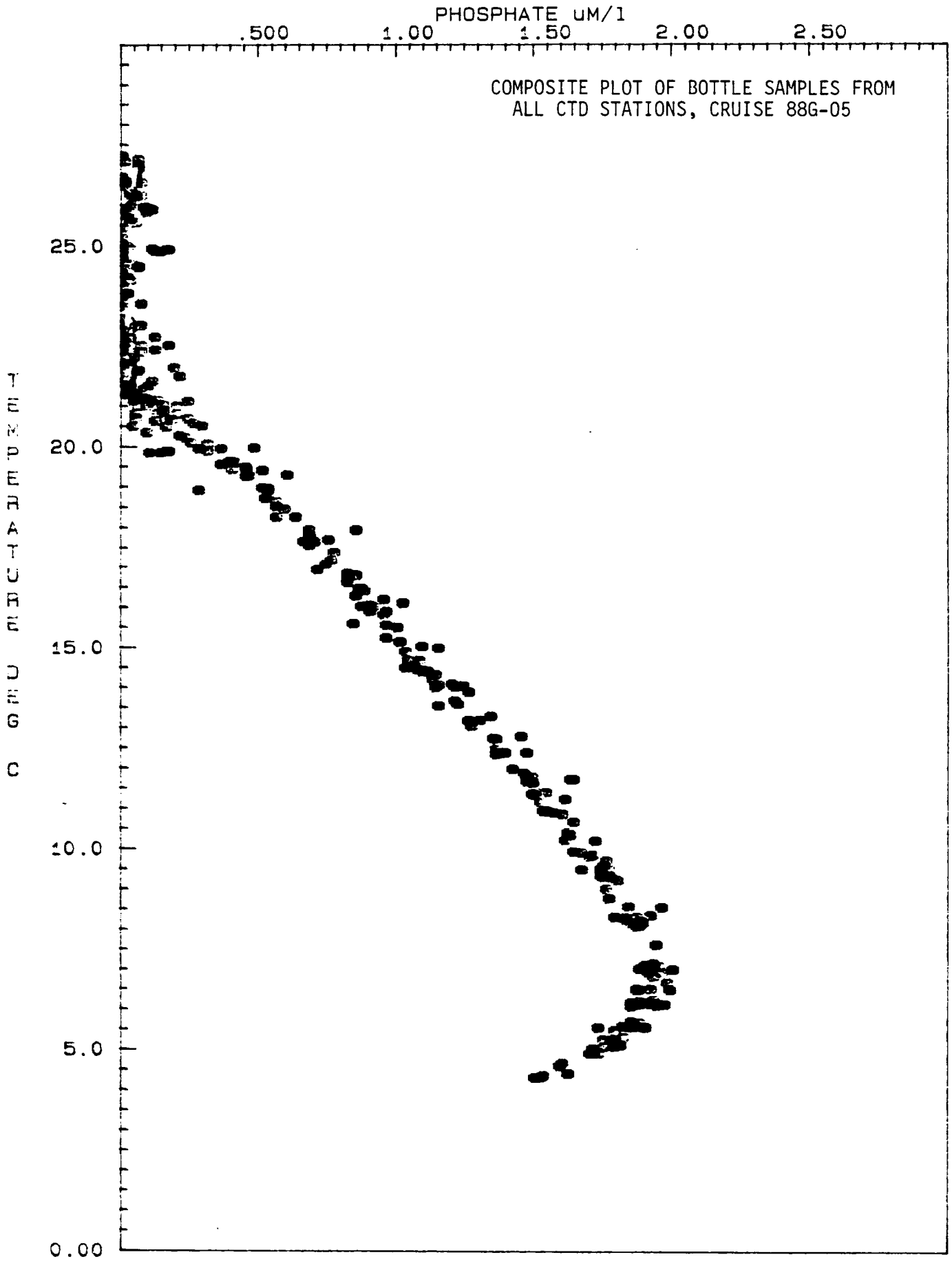


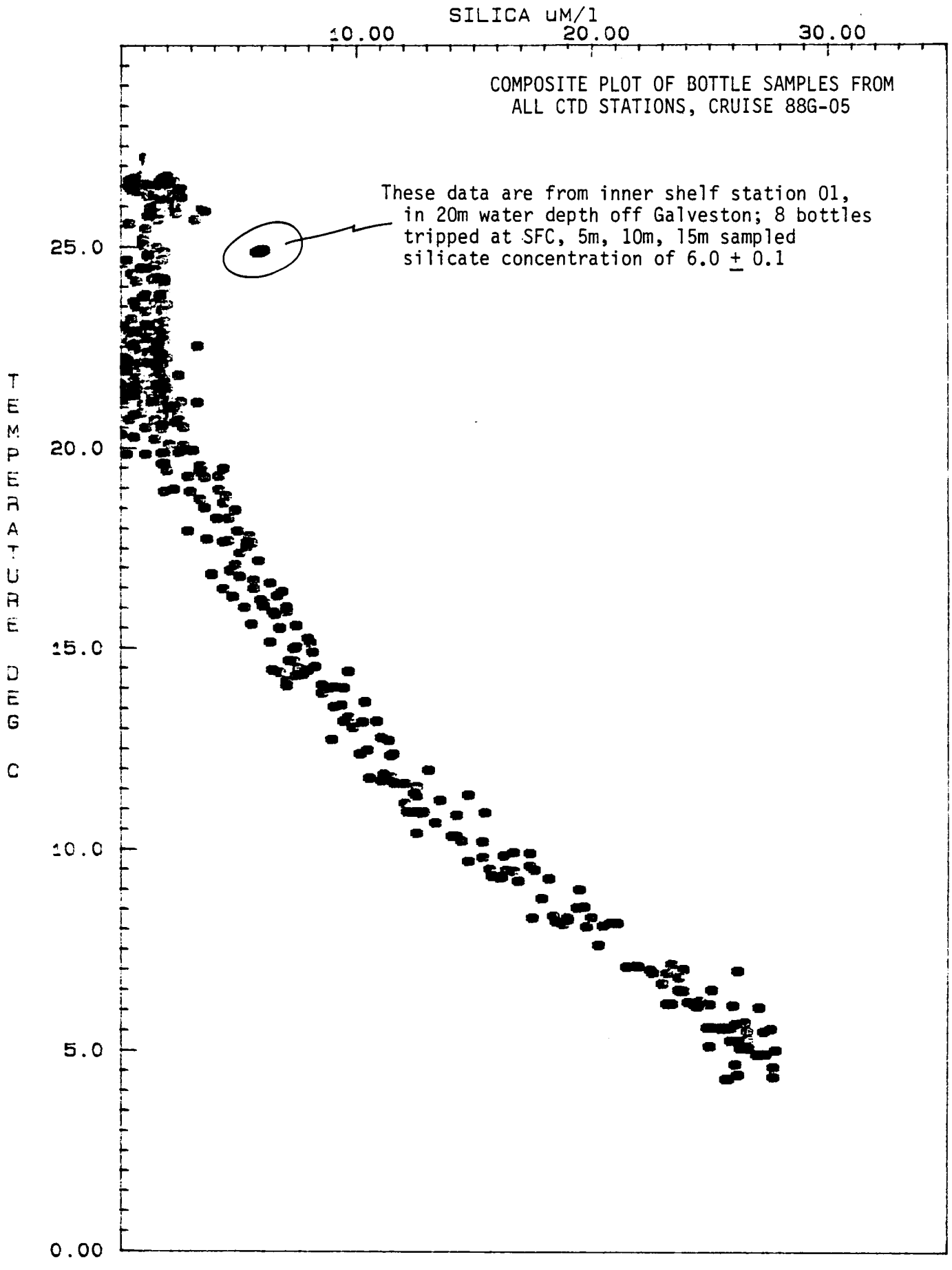
CRUISE: 88G5 STATION: B88G05*050*1 DATE: 230CT88
LATITUDE: 27 39.3 LONGITUDE: 97 2.0


98 W
97 W
96 W
95 W
94 W
93 W
30 N
29 N
28 N
27 N
26 N
25 N
24 N
R/V GYRE Cruise 88G-05
showing CHL (mg m-2) integrated from surface to 100m (or to the bottom if depth was less than 100m)
6
18
22
54
25
20
33
13
12
24
32
32
23
24
17
19
21
22
16
21
17
13
Average integrated CHL at stations with water depth greater than 500m = 19 ± 4 (n = 10)


98 W
97 W
96 W
95 W
94 W
93 W
30 N
29 N
28 N
27 N
26 N
25 N
24 N
R/V GYRE Cruise 88G-05
Nitrate concentration at 100m, from bottle samples taken with CTD rosette multisampler or estimated from NO3-temp plots (Stations 28 and 30)
3.9 at 86m
3.0 at 96m
approx 5
5.0
5.3
6.8
4.1
0.3
0.1
5.7
0.1
0.1
0.3
1.3
0.1
0.4
0.2
1.9


NITRATE uM/l
10.00
20.00
30.00
COMPOSITE PLOT OF BOTTLE SAMPLES FROM
ALL CTD STATIONS, CRUISE 88G-05
TEMPERATURE DEG C
25.0
20.0
15.0
10.0
5.0
0.00


PHOSPHATE uM/l
.500
1.00
1.50
2.00
2.50
COMPOSITE PLOT OF BOTTLE SAMPLES FROM
ALL CTD STATIONS, CRUISE 88G-05
TEMPERATURE DEG C
25.0
20.0
15.0
10.0
5.0
0.00

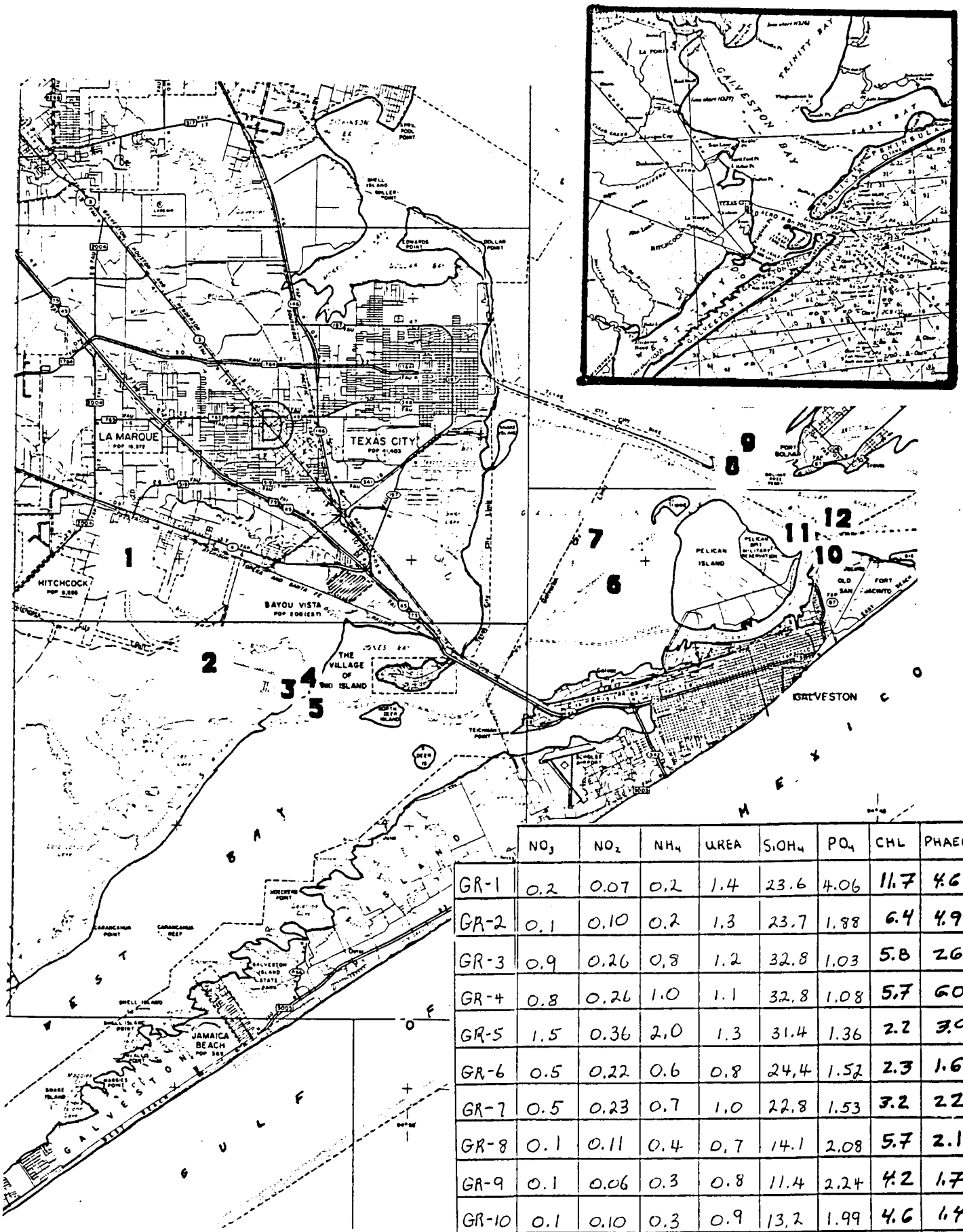

SILICA uM/l
10.00
20.00
30.00
COMPOSITE PLOT OF BOTTLE SAMPLES FROM
ALL CTD STATIONS, CRUISE 88G-05
These data are from inner shelf station 01,
in 20m water depth off Galveston; 8 bottles
tripped at SFC, 5m, 10m, 15m sampled
silicate concentration of 6.0 ± 0.1
TEMPERATURE DEG C
25.0
20.0
15.0
10.0
5.0
0.00

GALVESTON BAY SAMPLING

In a cooperative program with Texas A&M University at Galveston, a dozen samples for chlorophyll + nutrients were analyzed during GYRE cruise 88G-05 that had been collected 12 October from the southern part of Galveston Bay by Dr. L.L. Griffin and Dr. A.M. Landry. These researchers had filtered 250 ml of bay water onto GF/C filters, which were then frozen until processed at sea for CHL/PHAEO on 88G-05. About 50 ml of the filtrate from each of these collections had also been frozen, in screw-cap plastic bottles, and we processed these filtrates within a week of their collection with our six-channel AA-II at sea on 88G-05.

The summary of analytical results on the page which follows presents nutrients concentrations as µm/liter, and CHL and PHAEO as ug/liter. Note that in mid October 1988 the southern part of Galveston Bay had high silicate and high phosphate concentrations, and standing stocks of chlorophyll greater than 2 mg m-3. Reference back to the main body of this Tech Report will show that at GYRE Station 01 (28 54'N, 94 20'W, due south of Galveston Bay in 20m of water over the inner shelf) we also report high silicate concentrations, relative to those that would be expected from our silicate-temperature plot for the NW Gulf of Mexico.

SAMPLE	SAMPLING SITE
GR-1	Highland Bayou Diversionary Canal (HBDC), about 6-7 km upstream and adjacent to sewage treatment plant; surface sample, midstream
GR-2	HBDC, about 3 km downstream from GR-1; surface sample, midstream
GR-3	Mouth of HBDC; surface sample, midstream
GR-4	Mouth of HBDC; sample taken about 2m off bottom in 18m depth, midstream
GR-5	West Bay, about 0.1 km from mouth of HBDC; surface sample
GR-6	West Bay, at marker #4 adjacent to Intracoastal Waterway; surface sample
GR-7	West Bay, at marker #7 about 1-2 km north of Pelican Island; surface sample
GR-8	Galveston Bay, just north of Houston Ship Channel marker #25; surface sample
GR-9	Galveston Bay, just north of Houston Ship Channel marker #26; surface sample
GR-10	Bolivar Roads, just off entrance to Galveston Ship Channel; surface sample
GR-11	Bolivar Roads, just south of Houston Ship Channel marker #16; surface sample
GR-12	Bolivar Roads, just north of Houston Ship Channel marker #16; surface sample



	NO_3	NO_2	NH_4	UREA	$SiOH_4$	PO_4	CHL	PHAEO
GR-1	0.2	0.07	0.2	1.4	23.6	4.06	11.7	4.6
GR-2	0.1	0.10	0.2	1.3	23.7	1.88	6.4	4.9
GR-3	0.9	0.26	0.8	1.2	32.8	1.03	5.8	2.6
GR-4	0.8	0.26	1.0	1.1	32.8	1.08	5.7	6.0
GR-5	1.5	0.36	2.0	1.3	31.4	1.36	2.2	3.0
GR-6	0.5	0.22	0.6	0.8	24.4	1.52	2.3	1.6
GR-7	0.5	0.23	0.7	1.0	22.8	1.53	3.2	2.2
GR-8	0.1	0.11	0.4	0.7	14.1	2.08	5.7	2.1
GR-9	0.1	0.06	0.3	0.8	11.4	2.24	4.2	1.7
GR-10	0.1	0.10	0.3	0.9	13.2	1.99	4.6	1.4
GR-11	<0.1	0.09	0.3	0.8	12.2	2.02	4.4	0.8
GR-12	0.1	0.08	0.3	0.9	11.7	2.03	4.0	1.0

The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.