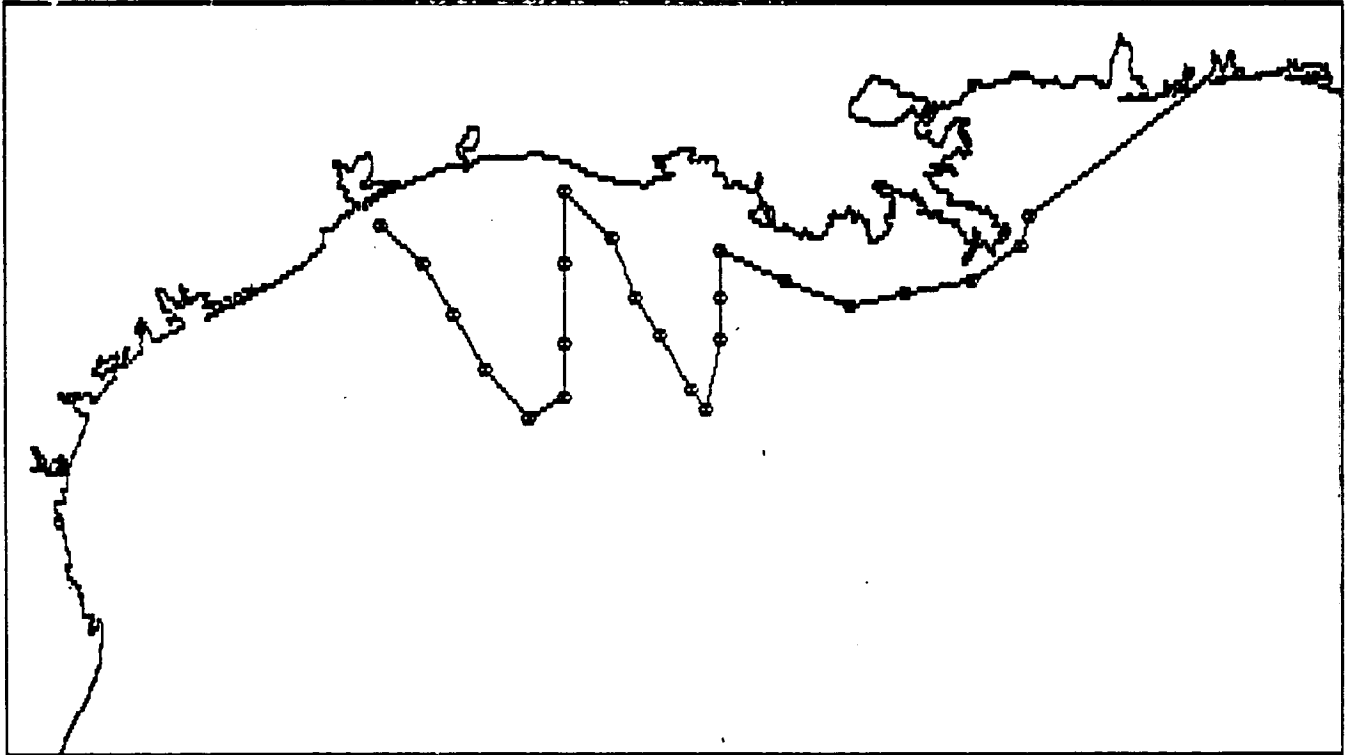


**HYDROGRAPHIC DATA FROM THE LOUISIANA-TEXAS
CONTINENTAL SHELF OF THE GULF OF MEXICO:
TEXAS INSTITUTIONS GULF ECOSYSTEM RESEARCH (TIGER)
CRUISE 92G-10: GALVESTON, TX, TO PENSACOLA, FL**



Technical Report 93-01-T of the Department of Oceanography
of Texas A&M University, College Station, TX 77843

15 January 1993

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INTRODUCTION

BRIEF DESCRIPTION OF CRUISE

GYRE cruise 92G-10 was supported by the Department of Oceanography at Texas A&M University for the purpose of graduate student training and geochemical research. From 2-5 October 1992, 20 CTD casts were made at 5 + 4 + 5 + 3 stations along 4 cross-shelf transects as GYRE proceeded east from Galveston, TX, to Atchafalaya Bay, LA. Additional CTD casts were made at 6 stations in the vicinity of the Mississippi River delta on 5-6 October, before the cruise terminated at Pensacola, FL. Bottles tripped at 2-12 depths at these CTD stations were analyzed on board for salinity, dissolved oxygen, autoanalyzer nutrients, and chlorophyll + phaeopigments.

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STATION LOCATIONS
R/V GYRE cruise 92G-10:

<u>Date</u>	<u>GMT</u>	<u>Start Station Work</u>	<u>Finish Station Work</u>	<u>Station</u>	<u>Cast Depth</u>
10-02	1711-1724	29 14.0 94 38.2	29 13.7 94 38.6	CTD 01	10 m
	2237-2245	28 56.0 94 15.1	28 56.0 94 15.1	CTD 02	15 m
10-03	0238-0245	28 32.0 94 00.1	28 31.9 94 00.3	CTD 03	33 m
	0655-0707	28 05.1 93 42.0	28 05.2 93 42.3	CTD 04	62 m
	1137-1203	27 40.1 93 19.9	27 40.3 93 19.7	CTD 05	200 m
	1602 - 1620	27 50.0 93 00.1	27 50.2 93 00.4	CTD 06	191 m
	2041-2049	28 16.8 93 00.1	28 17.0 93 00.4	CTD 07	50 m
10-04	0148-0158	28 56.0 93 00.0	28 55.8 93 00.2	CTD 08	18 m
	0651-0653	29 29.9 93 00.1	29 29.8 93 00.1	CTD 09	8 m
	1102-1107	29 07.1 92 35.1	29 07.0 92 35.1	CTD 10	15 m
	1531-1538	28 39.9 92 23.0	28 39.8 92 23.1	CTD 11	30 m
	1840-1848	28 20.1 92 09.0	28 20.1 92 09.3	CTD 12	50 m
	2302-2326	27 54.8 91 52.1	27 54.8 91 52.2	CTD 13	175 m
10-05	0119-0143	27 45.4 91 44.4	27 45.4 91 44.5	CTD 14	200 m
	0247-0314	27 45.4 91 44.9	27 45.4 91 45.0	CTD 14A	445 m
	0340-0405	27 45.4 91 45.2	27 45.4 91 45.4	CTD 14B	460 m
	0428-0503	27 45.5 91 45.4	27 45.5 91 45.7	CTD 14C	475 m
	0907-0923	28 18.9 91 36.1	28 19.1 91 36.3	CTD 15	64 m
	1202-1207	28 39.9 91 36.0	28 40.0 91 36.0	CTD 16	25 m
	1446-1447	29 00.9 91 36.0	29 00.8 91 36.0	CTD 17	5 m
	1901-1904	28 48.1 91 00.4	28 48.0 91 00.4	CTD 18	7 m
	2325-2335	28 35.1 90 24.9	28 35.2 90 24.9	CTD 19	28 m
10-06	0252-0303	28 41.0 89 55.9	28 41.1 89 55.8	CTD 20	61 m
	0706-0711	28 48.0 89 19.9	28 48.0 89 19.8	CTD 21	90 m
	1044-1055	29 02.8 88 54.3	29 02.5 88 54.6	CTD 22	94 m
	1303-1310	29 17.9 88 49.7	29 17.8 88 49.8	CTD 23	45 m

TOTAL = 26 CTD casts at 23 stations

NOAA FORM 72-56 (4-74)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION								FORM APPROVED O.M.B. No. 41-R2734			
MARINE COASTAL WEATHER LOG—SHIP STATION										DATE (month and year)			
SHIP NAME		R/V GYRE CRUISE 926-10						RADIO CALL SIGN		KJCL		10-2-92	
(1)	(2)	(3)	(4)	(5)	(6)		(7) STATE OF SEA			(8)	(9)	(10)	(11)
DATE	TIME (GMT)	POSITION	PRESENT WEATHER	VISI- BILITY (MI)	WIND DIR. (16 DEG)	SPEED (KTS)	WAVE HEIGHT (Ft)	SWELL DIRECTION (8 Pt)	HEIGHT (Ft)	SEA WATER TEMP. OC OF	AIR TEMP. OC OF	PRES- SURE	REMARKS (icing, etc.)
2	2030	29°02'N, 94°28'W	CLEAR	8	NE	17	2-3	NE	3-4		75	1009	
3	0030	28°47'N, 94°09'W	CLEAR	10	ENE	15	1-2	NE	2-4		76	1010	
3	0430	28°19'N, 93°53'W	CLEAR	8	ENE	11	1-2	NE	2-3		77	1010	
3	0830	28°00'N, 93°40'W	CLEAR	8	ENE	14	2-3	NE	2-3		76	1008	
3	1230	28°40'N, 93°20'W	CLOUDY	8	NNE	15	2-3	NE	4-6		76	1008	
3	1630	27°50'N, 93°00'W	PT. CLOUDY	8	NNW	20	2-3	NE	4-5		76	1008	
3	2030	28°16'N, 93°00'W	CLEAR	8	N	21	2-3	NE	4-5		97	1006	
4	0030	28°45'N, 93°00'W	CLEAR	10	N	15	1-3	N	2-3		78	1008	
4	0430	29°13'N, 92°57'W	CLEAR	8	N	14	1-3	N	2		76	1010	
4	0830	29°23'N, 92°55'W	CLEAR	8	N	11	1-2	N	1		72	1010	
4	1230	29°04'N, 92°34'W	CLEAR	10	NNE	8	1-2	N	1		72	1010	
4	1630	29°36'N, 92°21'W	PT. CLOUDY	8	NLY	4	1	N	1		76	1013	
4	2030	28°13'N, 92°05'W	PT. CLOUDY	8	NNE	8	1	N	1-2		78	1011	
5	0030	27°49'N, 91°48'W	CLEAR	10	NE	6	1	N	1		74	1013	
5	0430	27°45'N, 91°45'W	CLEAR	8	LT. AIRS		1	N	1		75	1015.5	
5	0830	28°12'N, 91°37'W	CLEAR	8	N	4	1	N	1		75	1015	
5	1230	28°42'N, 91°36'W	CLEAR	10	N	8	1	N	1		75	1017	
5	1630	28°55'N, 91°23'W	CLEAR SKIES HAZY	4	N	13	1	N	—		75	1018	
5	2030	28°44'N, 90°53'W	CLEAR	6	ENE	4	1	NE	1		78	1016	
6	0030	28°36'N, 90°19'W	CLEAR	8	NE	6	1	NE	1		75	1018	
6	0430	28°43'N, 89°43'W	CLEAR LT. HAZE	6	N	4	1	NE	—		75	1018	
6	0830	28°52'N, 89°11'W	CLEAR LT. HAZE	6	N	11	1-2	NE	1		72	1016	
6	1230	29°14'N, 88°51'W	PTLY CLOUDY	10	NE	15	1-3	NE	2-3		73	1020	
6	1630	29°33'N, 88°26'W	PT. CLOUDY	10	NE	16	2-3	NE	2		72	1020	
6	2030	29°52'N, 87°56'W	CLEAR	8	NE	10	1-2	NE	2		68	1019	

CTD DATA

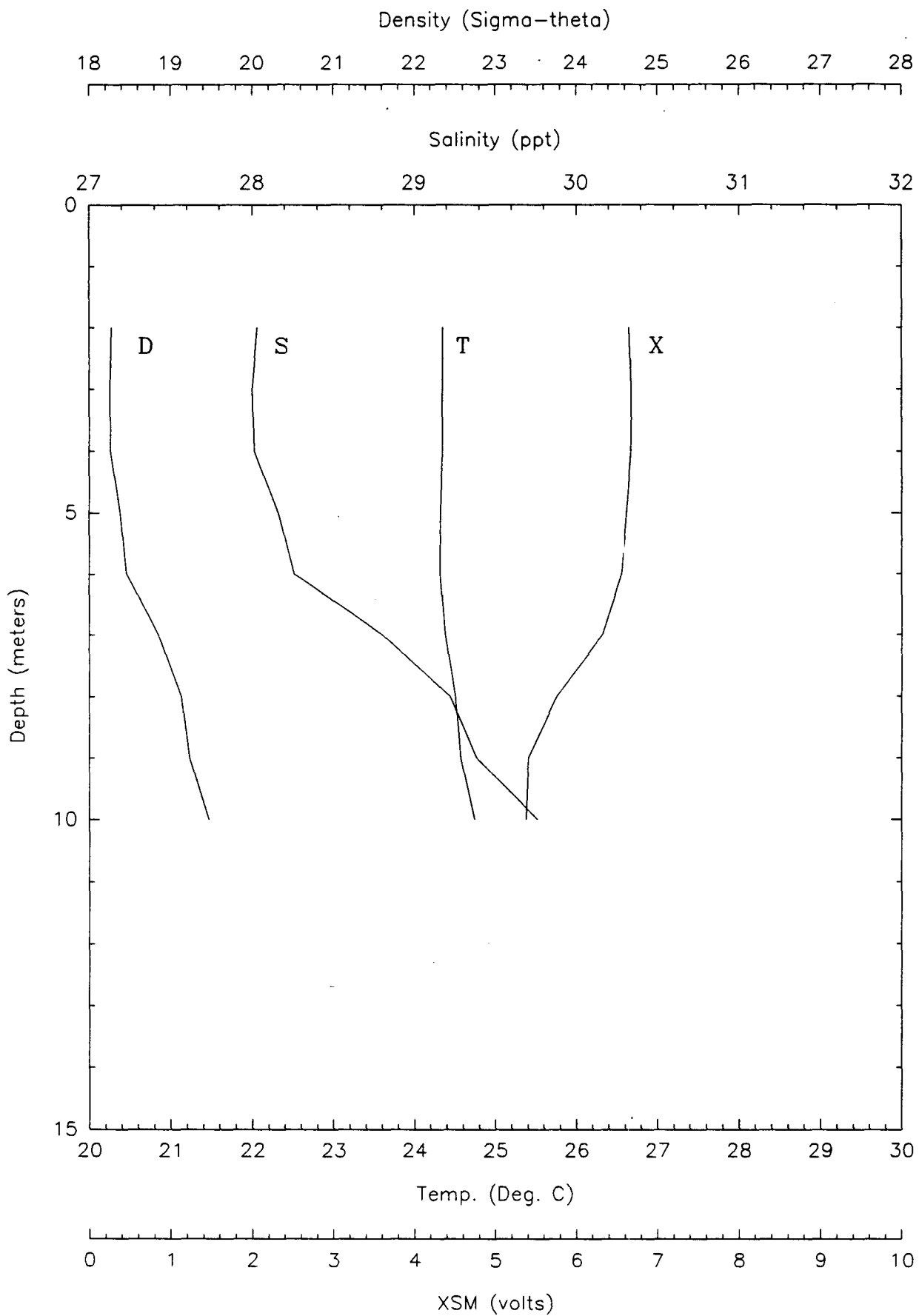
Temperature and salinity were profiled with a Seabird SBE-09 CTD to which a SeaTech model 025D transmissometer and a SeaTech model FL-0500 fluorometer were attached to profile transmissivity and in vivo fluorescence.

The following pages present plots of downcast temperature, salinity, transmissometer, and fluorometer data, along with tables of 1 m averaged downcast data. No correction was made to the raw data CTD salinities, because these generally agreed well with bottle salinity samples. The bottle salinity samples were analyzed aboard ship with a Guildline model 8400A conductive salinometer.

Missing Data: There are no downcast fluorometer data for CTD casts at the first two stations (CTD-01 and CTD-02). Because of problems with bubbles in the pumped conductivity sensor at two other stations, there are no downcast salinity data for CTD casts CTD-10 and CTD-18.

Cruise: 92G10
Date: Fri Oct 02 1992, Julian day = 276
Time: 12:20:58 GMT
Lat.: 29 13.820 N
Lon.: 94 38.440 W
Stn.: 1

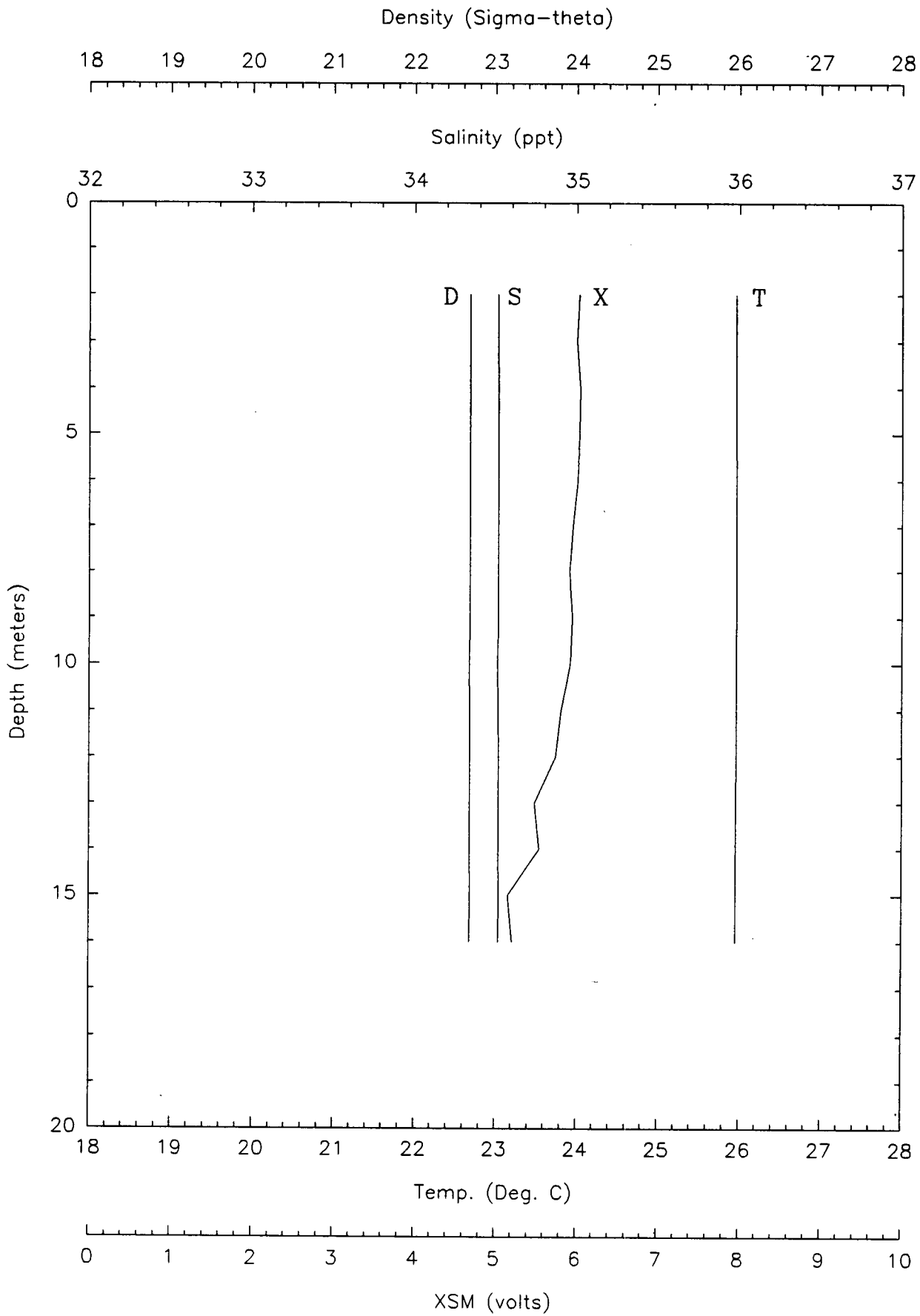
meters	temp	salinity	sigmatheta	volts# 0
2.000	24.3546	28.0305	18.2741	6.648
3.000	24.3482	28.0005	18.2538	6.682
4.000	24.3460	28.0126	18.2636	6.672
5.000	24.3208	28.1597	18.3818	6.622
6.000	24.3161	28.2582	18.4575	6.563
7.000	24.3828	28.8030	18.8490	6.324
8.000	24.5095	29.2218	19.1280	5.759
9.000	24.5726	29.3837	19.2316	5.406
10.000	24.7461	29.7614	19.4654	5.380



Stn. 1
92G10

Cruise: 92G10
Date: Fri Oct 02 1992, Julian day = 276
Time: 17:41:44 GMT
Lat.: 28 56.045 N
Lon.: 94 15.145 W
Stn.: 2

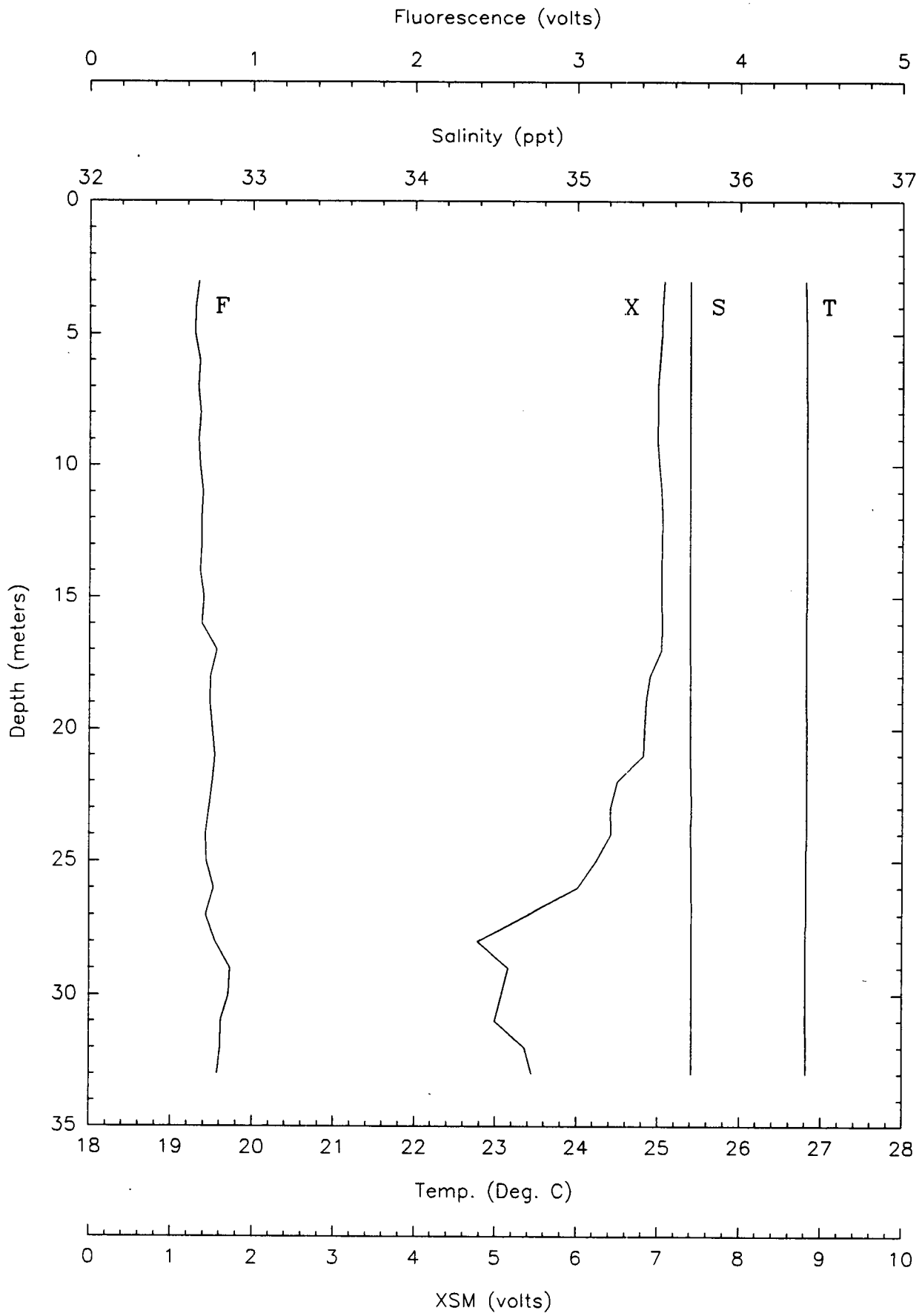
meters	temp	salinity	sigmatheta	volts# 0
2.000	25.9614	34.5152	22.6817	6.034
3.000	25.9614	34.5154	22.6819	5.999
4.000	25.9630	34.5160	22.6819	6.046
5.000	25.9638	34.5159	22.6817	6.031
6.000	25.9651	34.5158	22.6813	6.012
7.000	25.9687	34.5174	22.6814	5.951
8.000	25.9674	34.5167	22.6814	5.911
9.000	25.9676	34.5171	22.6817	5.949
10.000	25.9670	34.5142	22.6797	5.925
11.000	25.9667	34.5185	22.6832	5.812
12.000	25.9648	34.5194	22.6845	5.748
13.000	25.9621	34.5214	22.6869	5.486
14.000	25.9621	34.5215	22.6871	5.544
15.000	25.9579	34.5242	22.6905	5.159
16.000	25.9625	34.5212	22.6868	5.216



Stn. 2
92G10

Cruise: 92G10
 Date: Sat Oct 03 1992, Julian day = 277
 Time: 02:37:50 GMT
 Lat: 28 32.000 N
 Lon: 94 00.019 W
 Stn: 3

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	26.8038	35.6958	23.3066	7.070	0.667
4.000	26.8112	35.6957	23.3046	7.050	0.646
5.000	26.8158	35.6955	23.3030	7.044	0.645
6.000	26.8176	35.6960	23.3029	7.018	0.674
7.000	26.8176	35.6965	23.3033	6.995	0.666
8.000	26.8198	35.6961	23.3024	6.992	0.681
9.000	26.8210	35.6960	23.3020	6.991	0.667
10.000	26.8212	35.6959	23.3020	7.013	0.678
11.000	26.8209	35.6957	23.3020	7.041	0.694
12.000	26.8226	35.6956	23.3015	7.053	0.685
13.000	26.8232	35.6956	23.3013	7.046	0.686
14.000	26.8212	35.6955	23.3019	7.045	0.678
15.000	26.8206	35.6955	23.3022	7.040	0.702
16.000	26.8189	35.6958	23.3031	7.046	0.689
17.000	26.8158	35.6963	23.3045	7.040	0.781
18.000	26.8174	35.6988	23.3059	6.897	0.742
19.000	26.8189	35.6987	23.3055	6.852	0.739
20.000	26.8198	35.6982	23.3049	6.836	0.753
21.000	26.8200	35.6985	23.3051	6.824	0.768
22.000	26.8208	35.7006	23.3065	6.499	0.755
23.000	26.8211	35.7034	23.3086	6.418	0.733
24.000	26.8219	35.7022	23.3076	6.424	0.714
25.000	26.8188	35.7054	23.3110	6.238	0.718
26.000	26.8174	35.7061	23.3121	6.014	0.762
27.000	26.8143	35.7070	23.3138	5.399	0.717
28.000	26.8104	35.7083	23.3161	4.779	0.772
29.000	26.8120	35.7080	23.3154	5.158	0.863
30.000	26.8123	35.7079	23.3153	5.078	0.854
31.000	26.8123	35.7078	23.3153	4.993	0.808
32.000	26.8138	35.7074	23.3146	5.359	0.806
33.000	26.8158	35.7068	23.3136	5.451	0.788

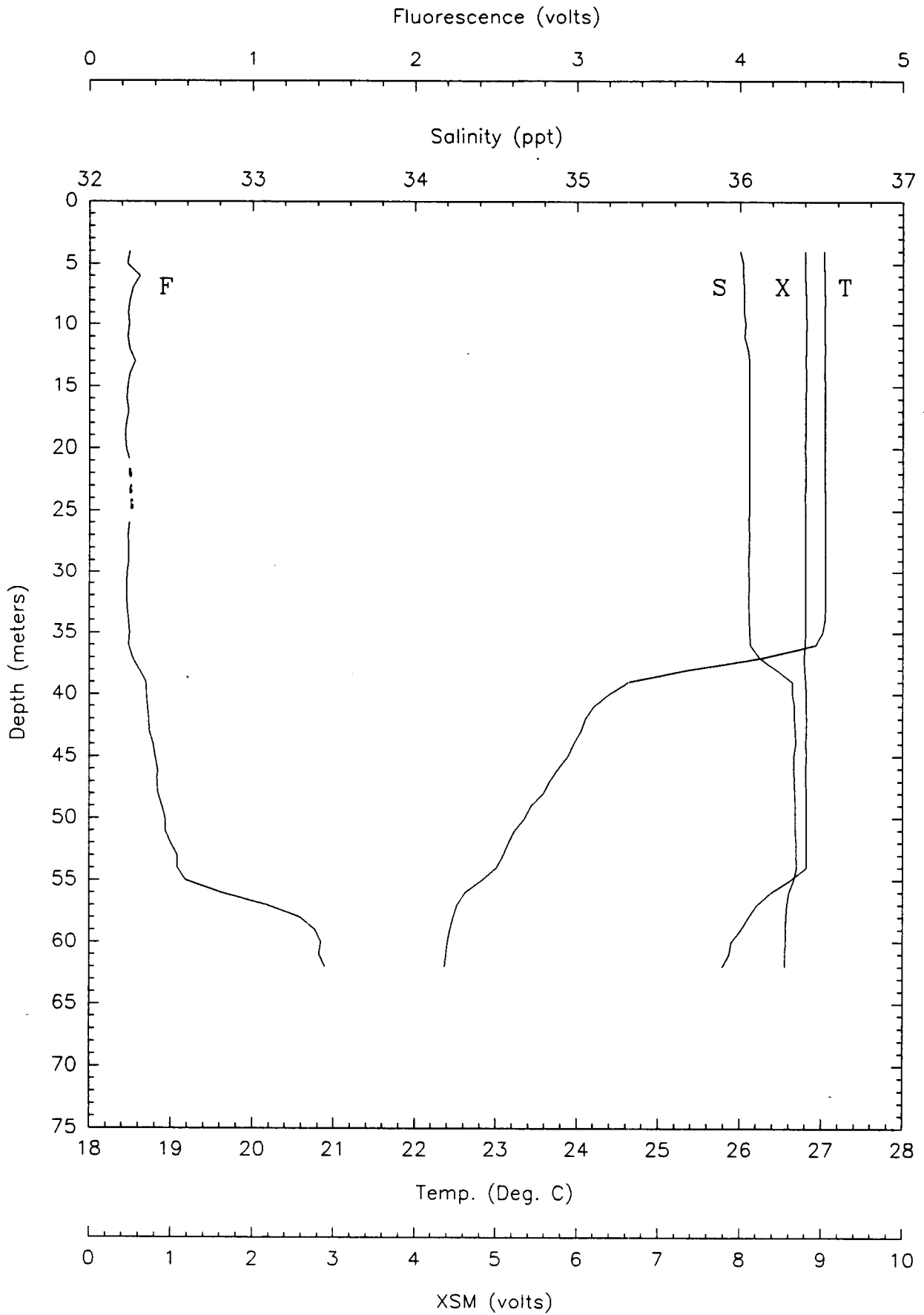


Stn. 3
92G10

Cruise: 92G10
 Date: Sat Oct 03 1992, Julian day = 277
 Time: 06:56:34 GMT
 Lat: 28 05.131 N
 Lon: 93 42.025 W
 Stn: 4

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
4.000	27.0269	36.0000	23.4650	8.800	0.247
5.000	27.0290	36.0180	23.4779	8.800	0.233
6.000	27.0343	36.0201	23.4779	8.800	0.310
7.000	27.0379	36.0247	23.4803	8.805	0.266
8.000	27.0393	36.0267	23.4814	8.812	0.246
9.000	27.0363	36.0249	23.4811	8.807	0.239
10.000	27.0361	36.0327	23.4871	8.814	0.244
11.000	27.0372	36.0288	23.4839	8.810	0.234
12.000	27.0391	36.0495	23.4990	8.810	0.248
13.000	27.0376	36.0581	23.5060	8.806	0.281
14.000	27.0367	36.0583	23.5065	8.807	0.248
15.000	27.0384	36.0580	23.5058	8.807	0.235
16.000	27.0403	36.0573	23.5047	8.805	0.228
17.000	27.0411	36.0571	23.5044	8.803	0.240
18.000	27.0424	36.0570	23.5040	8.803	0.227
19.000	27.0426	36.0570	23.5041	8.805	0.221
20.000	27.0426	36.0573	23.5043	8.799	0.227
21.000	27.0431	36.0568	23.5038	8.805	0.248
22.000	27.0415	36.0571	23.5046	8.803	
23.000	27.0439	36.0568	23.5037	8.805	
24.000	27.0451	36.0566	23.5033	8.798	
25.000	27.0466	36.0567	23.5029	8.804	
26.000	27.0487	36.0564	23.5021	8.803	0.243
27.000	27.0485	36.0569	23.5026	8.803	0.239
28.000	27.0475	36.0567	23.5028	8.806	0.240
29.000	27.0479	36.0563	23.5025	8.806	0.242
30.000	27.0483	36.0563	23.5025	8.805	0.232
31.000	27.0478	36.0565	23.5028	8.804	0.228
32.000	27.0476	36.0564	23.5029	8.802	0.228
33.000	27.0475	36.0564	23.5030	8.804	0.232
34.000	27.0438	36.0567	23.5045	8.806	0.240
35.000	27.0109	36.0600	23.5176	8.802	0.246
36.000	26.9280	36.0642	23.5474	8.798	0.241
37.000	26.2749	36.1199	23.7968	8.787	0.265
38.000	25.3797	36.2235	24.1539	8.792	0.308
39.000	24.6290	36.3234	24.4591	8.804	0.348
40.000	24.3914	36.3228	24.5303	8.807	0.351
41.000	24.2097	36.3321	24.5920	8.808	0.358
42.000	24.1048	36.3330	24.6240	8.813	0.364
43.000	24.0480	36.3398	24.6462	8.813	0.370
44.000	23.9622	36.3412	24.6729	8.808	0.392
45.000	23.8912	36.3297	24.6853	8.813	0.403
46.000	23.7707	36.3307	24.7218	8.812	0.419
47.000	23.6664	36.3333	24.7547	8.811	0.416
48.000	23.5864	36.3362	24.7806	8.814	0.421

49.000	23.4401	36.3392	24.8260	8.816	0.447
50.000	23.3621	36.3390	24.8487	8.818	0.467
51.000	23.2358	36.3394	24.8860	8.818	0.465
52.000	23.1578	36.3445	24.9126	8.817	0.500
53.000	23.0949	36.3448	24.9312	8.818	0.541
54.000	23.0076	36.3479	24.9589	8.813	0.540
55.000	22.8327	36.3292	24.9954	8.622	0.591
56.000	22.6226	36.3017	25.0350	8.380	0.809
57.000	22.5215	36.2885	25.0540	8.210	1.090
58.000	22.4774	36.2828	25.0623	8.108	1.292
59.000	22.4374	36.2812	25.0725	8.016	1.386
60.000	22.4044	36.2798	25.0810	7.897	1.423
61.000	22.3892	36.2787	25.0845	7.869	1.411
62.000	22.3689	36.2766	25.0887	7.790	1.445



Stn. 4
92G10

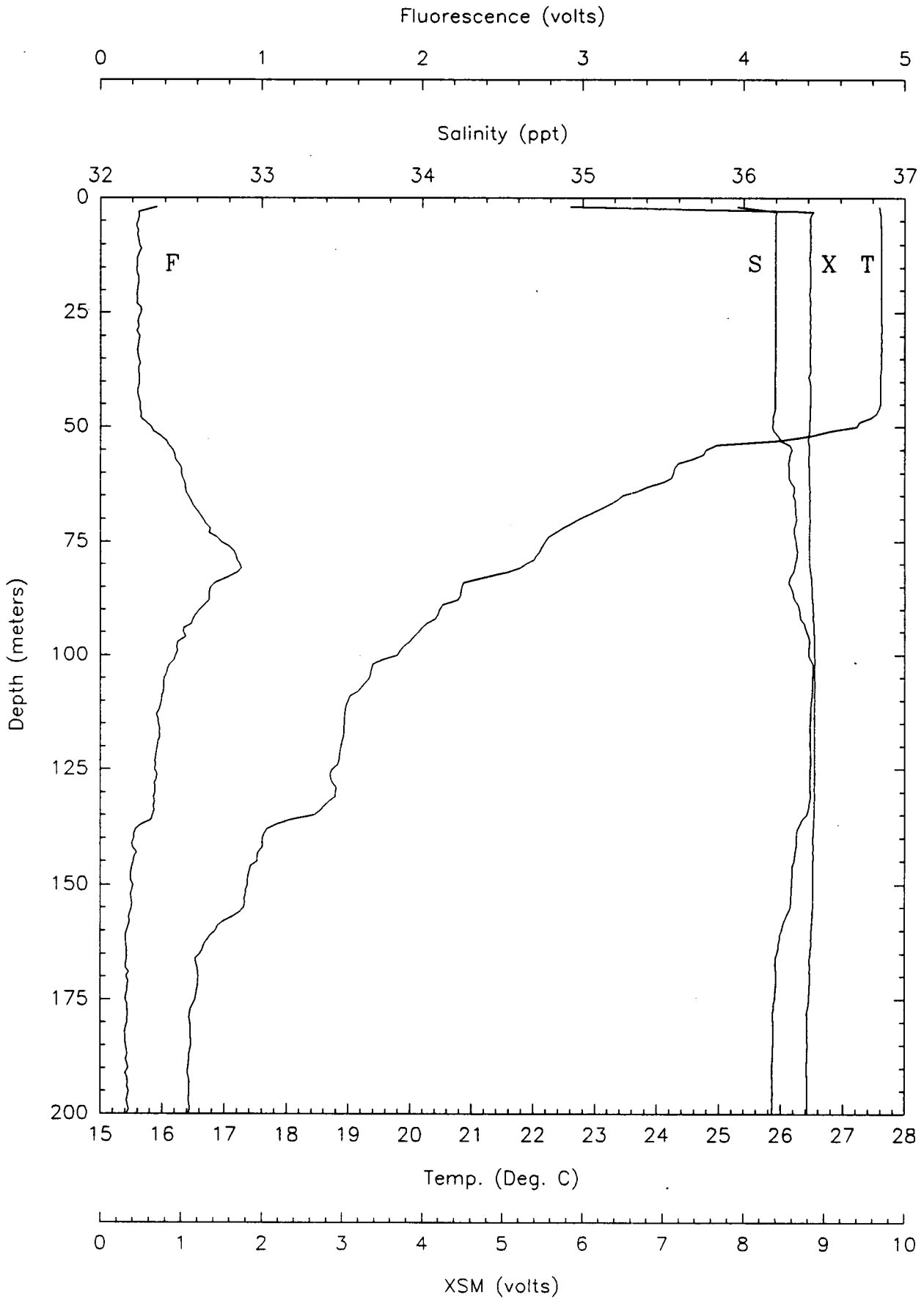
Cruise: 92G10
 Date: Sat Oct 03 1992, Julian day = 277
 Time: 11:40:07 GMT
 Lat: 27 40.063 N
 Lon: 93 19.968 W
 Stn: 5

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	27.5899	35.9604	23.2531	5.850	0.352
3.000	27.5974	36.2031	23.4337	8.862	0.238
4.000	27.6057	36.1976	23.4269	8.830	0.240
5.000	27.6124	36.1969	23.4243	8.821	0.233
6.000	27.6083	36.1973	23.4260	8.827	0.223
7.000	27.6165	36.1969	23.4231	8.824	0.234
8.000	27.6172	36.1968	23.4228	8.825	0.228
9.000	27.6169	36.1967	23.4230	8.826	0.237
10.000	27.6165	36.1969	23.4233	8.825	0.241
11.000	27.6165	36.1969	23.4235	8.825	0.253
12.000	27.6167	36.1971	23.4236	8.821	0.238
13.000	27.6174	36.1970	23.4234	8.818	0.227
14.000	27.6172	36.1968	23.4233	8.823	0.229
15.000	27.6180	36.1968	23.4231	8.826	0.227
16.000	27.6207	36.1966	23.4222	8.825	0.227
17.000	27.6198	36.1969	23.4228	8.827	0.239
18.000	27.6187	36.1973	23.4235	8.828	0.238
19.000	27.6181	36.1977	23.4241	8.828	0.232
20.000	27.6185	36.1970	23.4235	8.822	0.228
21.000	27.6194	36.1971	23.4234	8.818	0.227
22.000	27.6205	36.1974	23.4233	8.824	0.230
23.000	27.6207	36.1972	23.4232	8.825	0.227
24.000	27.6192	36.1970	23.4236	8.822	0.254
25.000	27.6206	36.1970	23.4232	8.821	0.252
26.000	27.6217	36.1971	23.4230	8.827	0.238
27.000	27.6210	36.1974	23.4236	8.822	0.231
28.000	27.6237	36.1976	23.4229	8.829	0.238
29.000	27.6227	36.1972	23.4230	8.824	0.227
30.000	27.6214	36.1973	23.4236	8.828	0.243
31.000	27.6220	36.1973	23.4235	8.820	0.239
32.000	27.6216	36.1973	23.4236	8.826	0.235
33.000	27.6222	36.1968	23.4232	8.822	0.229
34.000	27.6189	36.1960	23.4237	8.823	0.232
35.000	27.6166	36.1957	23.4243	8.820	0.239
36.000	27.6156	36.1959	23.4249	8.823	0.247
37.000	27.6180	36.1965	23.4246	8.828	0.235
38.000	27.6128	36.1955	23.4256	8.825	0.237
39.000	27.6025	36.1939	23.4278	8.804	0.242
40.000	27.6036	36.1941	23.4277	8.820	0.240
41.000	27.6041	36.1941	23.4276	8.828	0.237
42.000	27.6054	36.1949	23.4279	8.828	0.228
43.000	27.5985	36.1946	23.4300	8.825	0.232
44.000	27.6003	36.1943	23.4292	8.828	0.240
45.000	27.5994	36.1944	23.4297	8.826	0.247
46.000	27.5820	36.1929	23.4342	8.823	0.244

47.000	27.5422	36.1872	23.4430	8.823	0.252
48.000	27.4593	36.1788	23.4636	8.821	0.250
49.000	27.2617	36.1818	23.5298	8.816	0.283
50.000	27.2187	36.1754	23.5389	8.816	0.315
51.000	26.8098	36.1870	23.6789	8.816	0.328
52.000	26.4895	36.2109	23.7987	8.806	0.371
53.000	25.9932	36.2298	23.9695	8.797	0.406
54.000	24.9670	36.2841	24.3282	8.807	0.423
55.000	24.7954	36.2972	24.3899	8.809	0.449
56.000	24.7549	36.2871	24.3946	8.808	0.460
57.000	24.5693	36.2824	24.4472	8.806	0.463
58.000	24.3441	36.2782	24.5119	8.804	0.484
59.000	24.2839	36.2806	24.5319	8.809	0.503
60.000	24.2664	36.2808	24.5373	8.808	0.501
61.000	24.2408	36.2813	24.5455	8.808	0.507
62.000	24.0976	36.2922	24.5966	8.810	0.522
63.000	23.8576	36.3117	24.6828	8.815	0.527
64.000	23.6849	36.3142	24.7359	8.821	0.528
65.000	23.4538	36.3079	24.7992	8.818	0.542
66.000	23.3587	36.3192	24.8357	8.823	0.558
67.000	23.2223	36.3189	24.8753	8.817	0.574
68.000	23.0741	36.3214	24.9204	8.818	0.594
69.000	22.9210	36.3227	24.9658	8.818	0.616
70.000	22.7468	36.3278	25.0199	8.824	0.636
71.000	22.6092	36.3216	25.0548	8.821	0.653
72.000	22.4788	36.3120	25.0848	8.818	0.681
73.000	22.3542	36.3136	25.1217	8.818	0.675
74.000	22.2442	36.3204	25.1582	8.818	0.723
75.000	22.1935	36.3236	25.1750	8.817	0.750
76.000	22.1487	36.3287	25.1916	8.816	0.798
77.000	22.1074	36.3333	25.2068	8.818	0.828
78.000	22.0545	36.3319	25.2208	8.816	0.841
79.000	22.0136	36.3278	25.2292	8.818	0.845
80.000	21.8758	36.3181	25.2607	8.816	0.863
81.000	21.7863	36.3158	25.2841	8.820	0.874
82.000	21.5606	36.3061	25.3398	8.830	0.847
83.000	21.1976	36.2855	25.4245	8.838	0.783
84.000	20.8694	36.2818	25.5117	8.840	0.711
85.000	20.8460	36.2932	25.5267	8.846	0.684
86.000	20.8278	36.3029	25.5391	8.847	0.673
87.000	20.8190	36.3062	25.5441	8.843	0.675
88.000	20.7698	36.3152	25.5644	8.849	0.674
89.000	20.5373	36.3363	25.6435	8.858	0.643
90.000	20.4846	36.3451	25.6644	8.860	0.615
91.000	20.4567	36.3469	25.6733	8.862	0.590
92.000	20.4091	36.3510	25.6893	8.856	0.572
93.000	20.2706	36.3742	25.7442	8.867	0.564
94.000	20.1926	36.3817	25.7708	8.867	0.516
95.000	20.1415	36.3903	25.7911	8.871	0.515
96.000	20.0671	36.4011	25.8192	8.876	0.528
97.000	19.9933	36.4072	25.8435	8.874	0.481
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101.000	19.5518	36.4131	25.9646	8.882	0.457
102.000	19.4009	36.4292	26.0162	8.882	0.432
103.000	19.3768	36.4289	26.0224	8.876	0.415
104.000	19.3659	36.4287	26.0251	8.882	0.410
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106.000	19.2818	36.4250	26.0442	8.880	0.392
107.000	19.2135	36.4256	26.0624	8.880	0.393
108.000	19.1591	36.4245	26.0756	8.880	0.392
109.000	19.0273	36.4221	26.1078	8.877	0.382
110.000	18.9962	36.4197	26.1140	8.879	0.381
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112.000	18.9543	36.4136	26.1202	8.877	0.364
113.000	18.9438	36.4131	26.1226	8.877	0.347
114.000	18.9386	36.4129	26.1238	8.877	0.360
115.000	18.9354	36.4120	26.1240	8.877	0.359
116.000	18.9299	36.4124	26.1258	8.877	0.368
117.000	18.9265	36.4124	26.1267	8.873	0.365
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119.000	18.8982	36.4110	26.1329	8.877	0.358
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121.000	18.8680	36.4131	26.1423	8.872	0.349
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123.000	18.8543	36.4125	26.1455	8.877	0.339
124.000	18.8273	36.4132	26.1530	8.877	0.342
125.000	18.7478	36.4114	26.1720	8.878	0.336
126.000	18.7069	36.4111	26.1822	8.879	0.352
127.000	18.7153	36.4117	26.1805	8.877	0.349
128.000	18.7479	36.4117	26.1722	8.877	0.335
129.000	18.8073	36.4114	26.1569	8.877	0.340
130.000	18.7888	36.4124	26.1625	8.878	0.338
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132.000	18.6888	36.4081	26.1847	8.878	0.335
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136.000	18.0538	36.3594	26.3074	8.866	0.314
137.000	17.8213	36.3479	26.3561	8.870	0.250
138.000	17.6891	36.3347	26.3786	8.861	0.220
139.000	17.6373	36.3281	26.3863	8.862	0.209
140.000	17.6094	36.3271	26.3924	8.857	0.208
141.000	17.6084	36.3269	26.3926	8.857	0.196
142.000	17.6089	36.3254	26.3912	8.864	0.198
143.000	17.5416	36.3187	26.4026	8.855	0.225
144.000	17.5287	36.3169	26.4044	8.861	0.208
145.000	17.5258	36.3128	26.4021	8.857	0.207
146.000	17.4199	36.3017	26.4194	8.857	0.196
147.000	17.3984	36.3009	26.4240	8.857	0.190
148.000	17.3752	36.3003	26.4292	8.857	0.186
149.000	17.3744	36.2992	26.4286	8.857	0.186
150.000	17.3706	36.2980	26.4287	8.857	0.201
151.000	17.3396	36.2947	26.4337	8.856	0.196
152.000	17.3428	36.2953	26.4335	8.857	0.187
153.000	17.3177	36.2921	26.4371	8.857	0.192
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155.000	17.3096	36.2889	26.4366	8.857	0.193
156.000	17.2413	36.2785	26.4453	8.852	0.184
157.000	17.1129	36.2639	26.4650	8.852	0.177
158.000	16.9678	36.2520	26.4907	8.847	0.181
159.000	16.8863	36.2402	26.5011	8.845	0.173
160.000	16.8520	36.2368	26.5067	8.838	0.165
161.000	16.7721	36.2246	26.5164	8.838	0.154
162.000	16.7256	36.2239	26.5269	8.832	0.159
163.000	16.6682	36.2150	26.5337	8.838	0.159
164.000	16.6431	36.2147	26.5394	8.828	0.164
165.000	16.5984	36.2055	26.5429	8.828	0.164
166.000	16.5273	36.1976	26.5537	8.818	0.164
167.000	16.5381	36.1976	26.5511	8.816	0.159
168.000	16.5615	36.1977	26.5457	8.823	0.154
169.000	16.5671	36.2002	26.5464	8.817	0.175
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176.000	16.4911	36.1871	26.5544	8.803	0.166
177.000	16.4539	36.1839	26.5608	8.794	0.166
178.000	16.4398	36.1797	26.5609	8.782	0.169
179.000	16.4259	36.1801	26.5644	8.784	0.168
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191.000	16.4072	36.1766	26.5666	8.779	0.154
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193.000	16.4359	36.1787	26.5616	8.784	0.169
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197.000	16.4245	36.1776	26.5636	8.784	0.163
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199.000	16.4352	36.1775	26.5610	8.784	0.174
200.000	16.4263	36.1775	26.5631	8.784	0.165
201.000	16.4354	36.1783	26.5617	8.784	0.188
202.000	16.4249	36.1763	26.5627	8.779	0.178
203.000	16.4190	36.1769	26.5645	8.779	0.184
204.000	16.4085	36.1753	26.5658	8.779	0.171
205.000	16.4148	36.1775	26.5660	8.779	0.161
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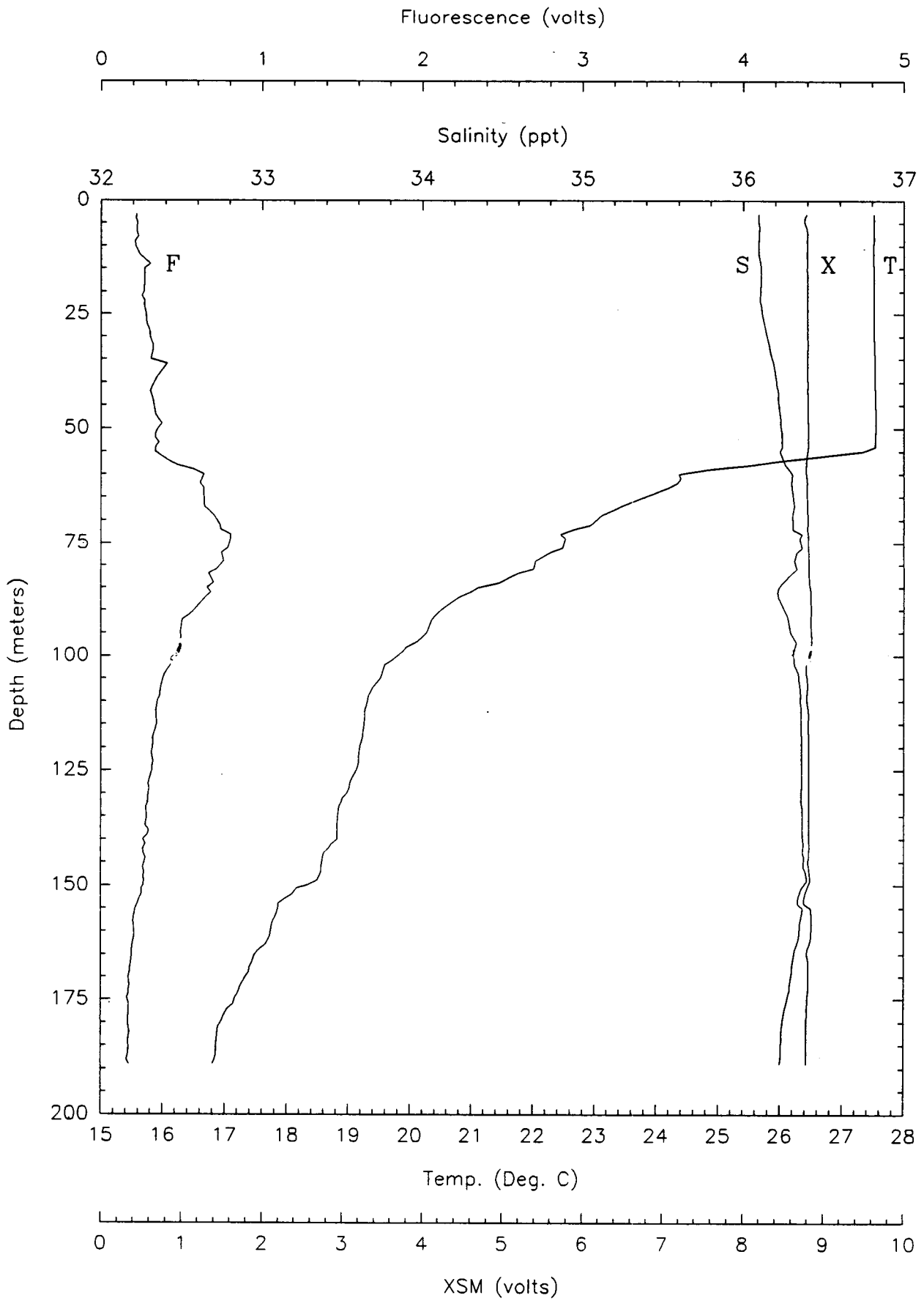
Stn. 5
92G10

Cruise: 92G10
 Date: Sat Oct 03 1992, Julian day = 277
 Time: 16:02:02 GMT
 Lat: 27 50.033 N
 Lon: 93 00.049 W
 Stn: 6

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	27.5126	36.0977	23.3819	8.788	0.221
4.000	27.5107	36.0981	23.3828	8.765	0.217
5.000	27.5114	36.0980	23.3826	8.761	0.225
6.000	27.5114	36.1028	23.3863	8.788	0.223
7.000	27.5074	36.0989	23.3847	8.798	0.222
8.000	27.5064	36.0984	23.3847	8.799	0.232
9.000	27.5062	36.0981	23.3847	8.791	0.210
10.000	27.5055	36.0980	23.3849	8.798	0.213
12.000	27.5058	36.0971	23.3843	8.793	0.241
14.000	27.5052	36.1090	23.3936	8.800	0.305
15.000	27.5089	36.1108	23.3938	8.795	0.272
17.000	27.5099	36.1103	23.3933	8.798	0.271
20.000	27.5101	36.1094	23.3928	8.796	0.269
21.000	27.5102	36.1040	23.3887	8.798	0.253
22.000	27.5112	36.1035	23.3881	8.799	0.272
23.000	27.5105	36.1121	23.3949	8.799	0.269
25.000	27.5105	36.1161	23.3981	8.799	0.281
27.000	27.5101	36.1283	23.4075	8.796	0.283
29.000	27.5118	36.1396	23.4156	8.798	0.302
30.000	27.5128	36.1472	23.4211	8.796	0.302
32.000	27.5137	36.1623	23.4323	8.805	0.324
33.000	27.5153	36.1643	23.4334	8.799	0.320
35.000	27.5223	36.1794	23.4427	8.799	0.310
36.000	27.5264	36.1876	23.4475	8.799	0.410
39.000	27.5245	36.2026	23.4597	8.799	0.345
41.000	27.5251	36.2082	23.4639	8.803	0.317
42.000	27.5358	36.2176	23.4676	8.797	0.308
43.000	27.5334	36.2173	23.4682	8.803	0.315
44.000	27.5350	36.2189	23.4690	8.803	0.323
47.000	27.5373	36.2282	23.4755	8.803	0.340
48.000	27.5384	36.2332	23.4789	8.803	0.356
49.000	27.5387	36.2343	23.4797	8.809	0.376
50.000	27.5387	36.2368	23.4817	8.808	0.355
51.000	27.5380	36.2402	23.4846	8.808	0.340
52.000	27.5366	36.2427	23.4870	8.808	0.335
53.000	27.5356	36.2417	23.4866	8.808	0.359
54.000	27.5348	36.2445	23.4891	8.808	0.338
55.000	27.3286	36.2302	23.5451	8.801	0.336
57.000	26.0097	36.2534	23.9822	8.784	0.421
58.000	25.5491	36.2621	24.1320	8.784	0.474
59.000	24.8463	36.2863	24.3665	8.778	0.578
60.000	24.3735	36.3062	24.5249	8.786	0.638
61.000	24.3913	36.3053	24.5185	8.791	0.627
62.000	24.3420	36.3019	24.5308	8.796	0.616
63.000	24.1828	36.3041	24.5802	8.791	0.638

67.000	23.4317	36.3200	24.8149	8.798	0.642
68.000	23.2899	36.3135	24.8516	8.799	0.671
69.000	23.1110	36.3063	24.8982	8.803	0.701
71.000	22.9329	36.3096	24.9525	8.803	0.740
72.000	22.6638	36.3092	25.0298	8.799	0.742
73.000	22.4461	36.3656	25.1351	8.807	0.806
74.000	22.5248	36.3521	25.1023	8.807	0.806
76.000	22.4806	36.3654	25.1251	8.808	0.788
77.000	22.2715	36.3326	25.1598	8.813	0.747
79.000	22.0355	36.3180	25.2156	8.813	0.759
81.000	22.0104	36.3321	25.2335	8.818	0.718
82.000	21.7556	36.3029	25.2830	8.818	0.669
84.000	21.4559	36.2443	25.3219	8.821	0.699
85.000	21.1081	36.2197	25.3992	8.836	0.659
86.000	20.9793	36.2149	25.4307	8.837	0.683
87.000	20.8041	36.2179	25.4808	8.838	0.651
90.000	20.4998	36.2561	25.5925	8.843	0.578
91.000	20.4227	36.2699	25.6238	8.848	0.550
92.000	20.3577	36.2791	25.6483	8.840	0.504
95.000	20.2699	36.2963	25.6851	8.847	0.493
96.000	20.1963	36.3131	25.7176	8.851	0.498
97.000	20.1008	36.3293	25.7555	8.852	0.478
98.000	19.9417	36.3229	25.7928	8.846	0.454
99.000	19.8895	36.3142	25.8001		
101.000	19.7028	36.3154	25.8503	8.837	
102.000	19.5977	36.3174	25.8794	8.784	0.433
104.000	19.5453	36.3442	25.9137	8.789	0.394
105.000	19.5213	36.3465	25.9218	8.800	0.386
107.000	19.3981	36.3545	25.9601	8.803	0.372
109.000	19.3213	36.3569	25.9820	8.795	0.366
110.000	19.3124	36.3542	25.9823	8.794	0.351
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112.000	19.2707	36.3614	25.9987	8.811	0.341
113.000	19.2684	36.3614	25.9993	8.814	0.344
115.000	19.2618	36.3610	26.0008	8.810	0.347
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118.000	19.2286	36.3634	26.0114	8.815	0.322
119.000	19.2095	36.3633	26.0163	8.818	0.325
120.000	19.1881	36.3637	26.0222	8.818	0.321
121.000	19.1764	36.3627	26.0245	8.816	0.316
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124.000	19.1511	36.3619	26.0306	8.818	0.318
125.000	19.1266	36.3617	26.0368	8.818	0.319
127.000	19.0440	36.3622	26.0586	8.818	0.299
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132.000	18.8844	36.3609	26.0987	8.818	0.291
133.000	18.8459	36.3655	26.1121	8.813	0.281
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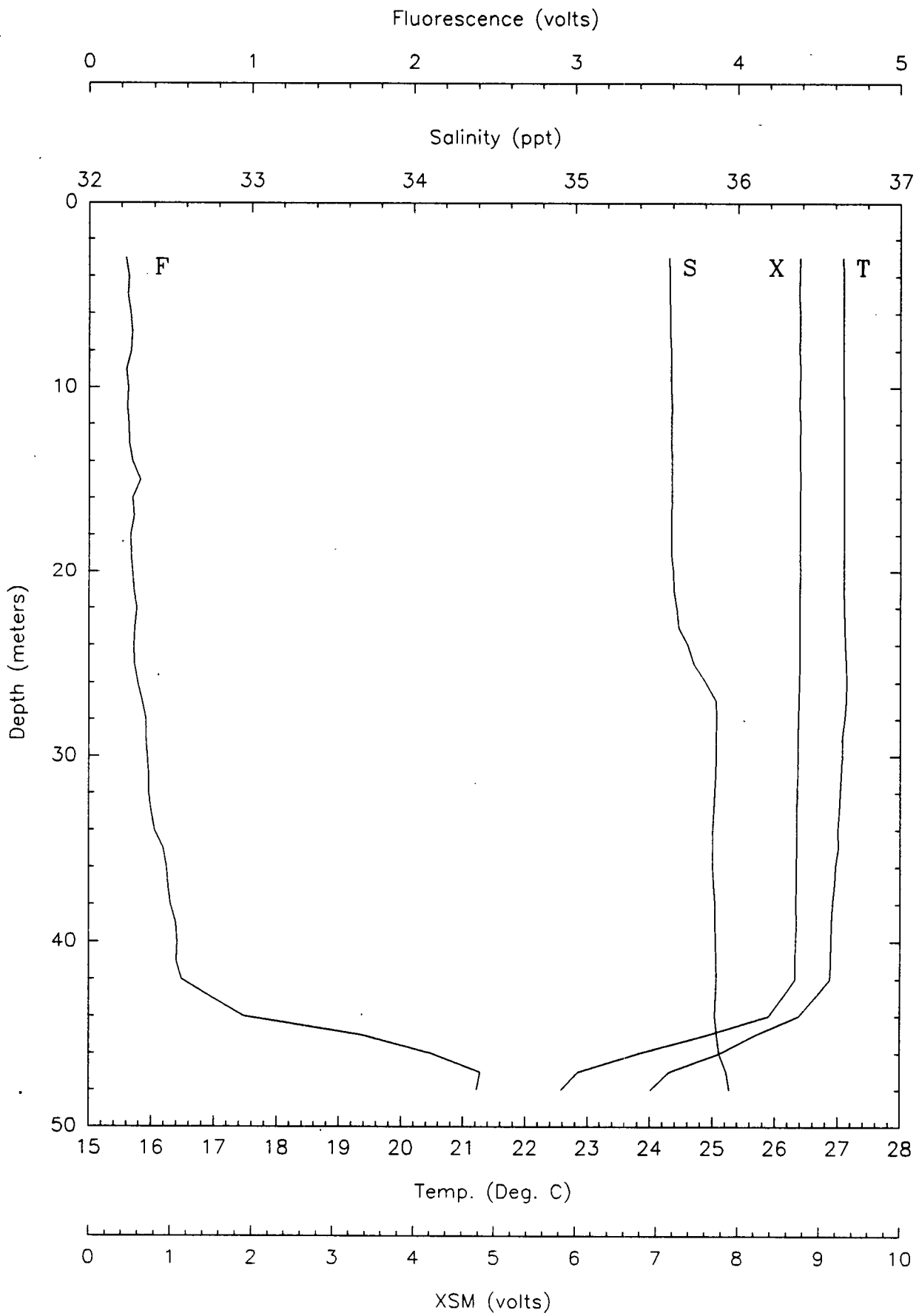
138.000	18.8221	36.3679	26.1203	8.818	0.297
139.000	18.8217	36.3685	26.1209	8.818	0.291
140.000	18.8202	36.3682	26.1211	8.818	0.261
141.000	18.7265	36.3755	26.1506	8.822	0.275
142.000	18.6804	36.3736	26.1609	8.823	0.262
143.000	18.6013	36.3696	26.1780	8.813	0.266
144.000	18.5795	36.3783	26.1902	8.816	0.275
145.000	18.5713	36.3755	26.1902	8.806	0.270
146.000	18.5581	36.3724	26.1912	8.813	0.261
147.000	18.5575	36.3881	26.2034	8.820	0.268
148.000	18.5305	36.3923	26.2135	8.826	0.266
149.000	18.4917	36.3953	26.2256	8.834	0.269
150.000	18.3300	36.3759	26.2515	8.811	0.264
150.550	18.1701	36.3622	26.2811	8.799	0.252
152.000	18.0850	36.3480	26.2916	8.767	0.252
153.000	17.9606	36.3388	26.3154	8.754	0.238
154.000	17.8619	36.3404	26.3411	8.753	0.229
155.000	17.8626	36.3698	26.3635	8.839	0.214
156.000	17.8438	36.3661	26.3653	8.846	0.210
157.000	17.8100	36.3612	26.3700	8.852	0.204
158.000	17.7691	36.3555	26.3757	8.852	0.203
159.000	17.7546	36.3524	26.3770	8.849	0.206
161.000	17.7323	36.3484	26.3795	8.847	0.208
162.000	17.6994	36.3435	26.3839	8.839	0.203
163.000	17.6544	36.3346	26.3881	8.822	0.197
164.000	17.5543	36.3217	26.4027	8.800	0.193
165.000	17.4855	36.3148	26.4143	8.793	0.193
166.000	17.4627	36.3122	26.4178	8.801	0.191
167.000	17.4403	36.3081	26.4202	8.809	0.188
168.000	17.4042	36.3042	26.4260	8.808	0.181
169.000	17.3947	36.3041	26.4283	8.808	0.183
170.000	17.3410	36.2990	26.4375	8.811	0.172
172.000	17.2578	36.2891	26.4501	8.808	0.178
173.000	17.2278	36.2883	26.4568	8.808	0.173
174.000	17.2004	36.2806	26.4574	8.804	0.173
174.550	17.1712	36.2769	26.4617	8.799	0.164
176.000	17.1421	36.2691	26.4628	8.799	0.175
177.000	17.0429	36.2596	26.4793	8.795	0.173
178.000	16.9982	36.2549	26.4865	8.790	0.173
180.000	16.9377	36.2454	26.4937	8.786	0.169
181.000	16.8945	36.2409	26.5005	8.784	0.173
182.000	16.8866	36.2400	26.5018	8.784	0.178
184.000	16.8676	36.2381	26.5050	8.788	0.169
185.000	16.8637	36.2373	26.5053	8.789	0.172
186.000	16.8614	36.2373	26.5059	8.789	0.173
187.000	16.8602	36.2371	26.5061	8.789	0.169
188.000	16.8407	36.2334	26.5079	8.785	0.160
189.000	16.8059	36.2285	26.5125	8.784	0.174



Stn. 6
92G10

Cruise: 92G10
 Date: Sat Oct 03 1992, Julian day = 277
 Time: 20:41:10 GMT
 Lat: 28 16.840 N
 lon: 93 00.069 W
 Stn: 7

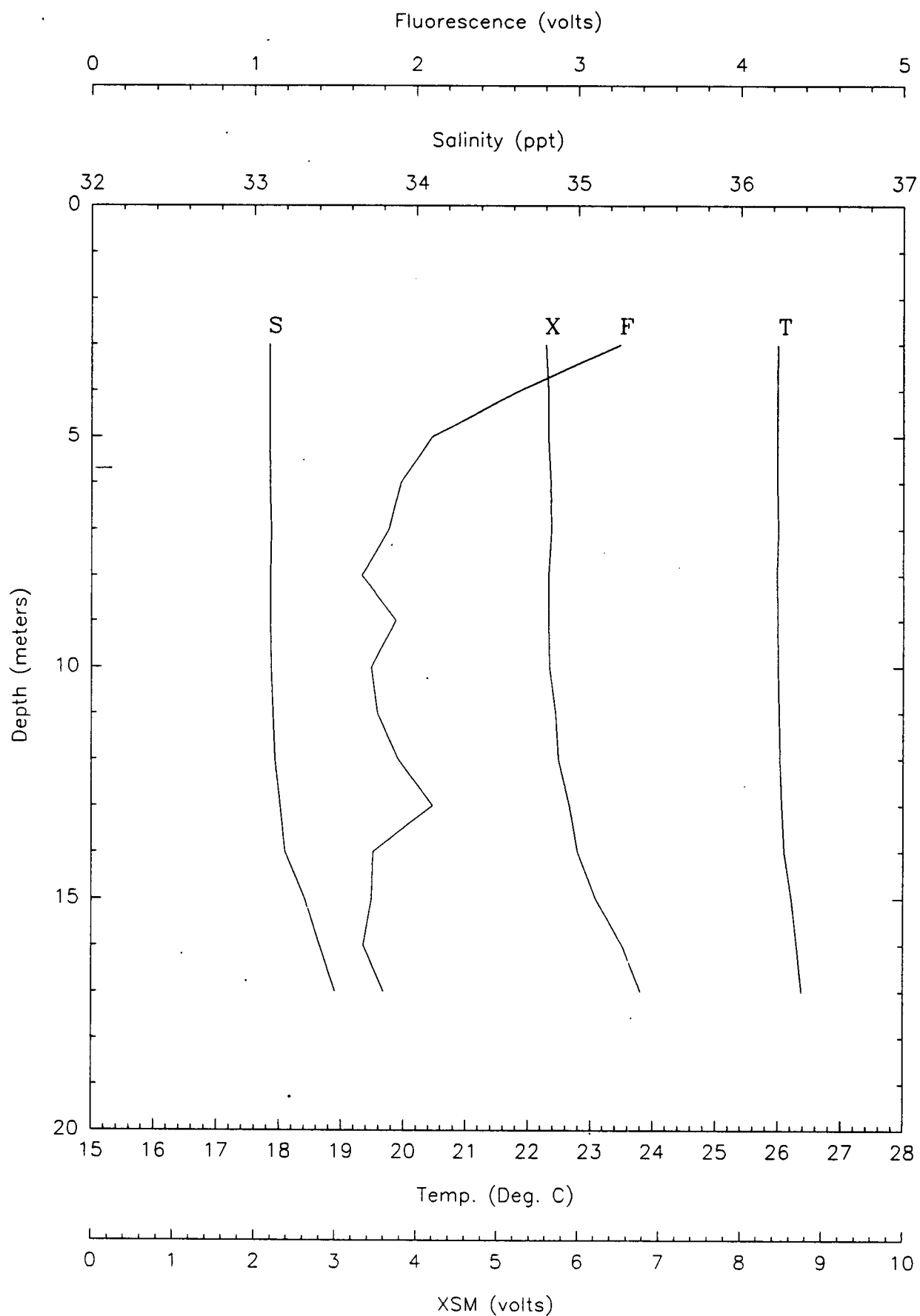
meters	temp	salinity	sigmtheta	volts# 0	Fluor(v.)
3.000	27.0782	35.5776	23.1301	8.765	0.226
4.000	27.0822	35.5806	23.1312	8.756	0.243
5.000	27.0834	35.5817	23.1317	8.751	0.239
6.000	27.0840	35.5820	23.1319	8.760	0.256
7.000	27.0840	35.5829	23.1326	8.764	0.265
8.000	27.0881	35.5888	23.1358	8.757	0.259
9.000	27.0886	35.5896	23.1363	8.766	0.229
10.000	27.0885	35.5892	23.1361	8.764	0.242
11.000	27.0901	35.5935	23.1389	8.758	0.236
12.000	27.0900	35.5931	23.1387	8.766	0.243
13.000	27.0897	35.5909	23.1372	8.764	0.247
14.000	27.0908	35.5942	23.1394	8.764	0.269
15.000	27.0915	35.5954	23.1402	8.767	0.314
16.000	27.0910	35.5943	23.1396	8.761	0.268
17.000	27.0908	35.5922	23.1382	8.764	0.276
18.000	27.0907	35.5912	23.1375	8.764	0.255
19.000	27.0911	35.5918	23.1379	8.764	0.260
20.000	27.0947	35.6031	23.1453	8.768	0.269
21.000	27.0960	35.6071	23.1480	8.764	0.278
22.000	27.1022	35.6256	23.1601	8.764	0.295
23.000	27.1052	35.6363	23.1672	8.764	0.282
24.000	27.1197	35.6925	23.2049	8.762	0.278
25.000	27.1284	35.7314	23.2316	8.765	0.281
26.000	27.1406	35.8046	23.2829	8.754	0.300
27.000	27.1331	35.8687	23.3336	8.749	0.327
28.000	27.1065	35.8696	23.3429	8.743	0.350
29.000	27.0731	35.8668	23.3516	8.740	0.352
30.000	27.0676	35.8683	23.3546	8.740	0.361
31.000	27.0581	35.8648	23.3551	8.738	0.369
32.000	27.0431	35.8602	23.3565	8.735	0.369
33.000	27.0218	35.8536	23.3584	8.728	0.383
34.000	27.0021	35.8478	23.3604	8.725	0.404
35.000	27.0083	35.8480	23.3587	8.729	0.459
36.000	26.9646	35.8487	23.3732	8.723	0.478
37.000	26.9475	35.8533	23.3823	8.720	0.487
38.000	26.9146	35.8621	23.3995	8.715	0.502
39.000	26.9013	35.8617	23.4036	8.719	0.536
40.000	26.8893	35.8644	23.4095	8.715	0.545
41.000	26.8822	35.8671	23.4138	8.710	0.539
42.000	26.8809	35.8714	23.4175	8.708	0.570
44.000	26.3770	35.8633	23.5716	8.382	0.952
45.000	25.6826	35.8741	23.7969	7.622	1.682
46.000	25.1160	35.8879	23.9822	6.785	2.112
47.000	24.3064	35.9325	24.2612	6.037	2.413
48.000	24.0169	35.9515	24.3616	5.830	2.394



Stn. 7
92G10

Cruise: 92G10
 Date: Sun Oct 04, Julian day = 278
 Time: 01:52:38 GMT
 Lat: 28 56.019 N
 Lon: 93 00.011 W
 Stn: 8

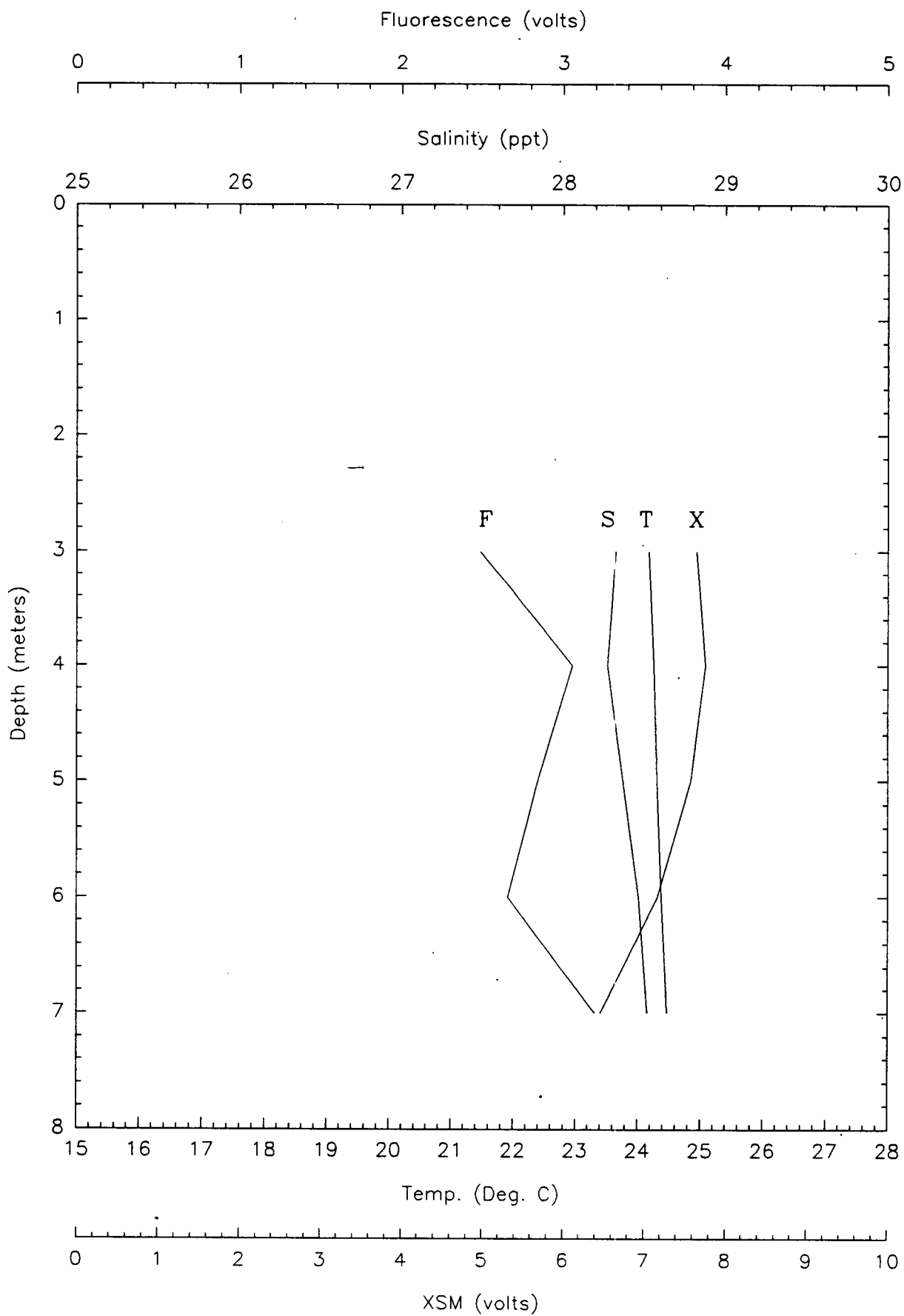
meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	25.9868	33.0929	21.6017	5.595	3.264
4.000	25.9810	33.0929	21.6033	5.628	2.637
5.000	25.9855	33.0932	21.6022	5.627	2.097
6.000	25.9830	33.0953	21.6046	5.655	1.904
7.000	25.9941	33.1034	21.6074	5.669	1.828
8.000	25.9854	33.0987	21.6066	5.636	1.662
9.000	25.9871	33.0995	21.6068	5.633	1.875
10.000	25.9941	33.1045	21.6084	5.643	1.722
11.000	26.0119	33.1167	21.6122	5.726	1.761
12.000	26.0270	33.1271	21.6155	5.756	1.889
13.000	26.0627	33.1601	21.6293	5.898	2.103
14.000	26.0957	33.1906	21.6421	5.998	1.734
15.000	26.2137	33.3112	21.6964	6.221	1.726
16.000	26.3016	33.4044	21.7394	6.550	1.674
17.000	26.3773	33.4997	21.7876	6.774	1.799



Stn. 8
92G10

Cruise: 92G10
Date: Sun Oct 04, Julian day = 278
Time: 06:50:45 GMT
Lat: 29 29.856 N
Lon: 93 00.045 W
Stn: 9

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	24.1737	28.3245	18.5485	7.646	2.487
4.000	24.2515	28.2742	18.4881	7.751	3.058
5.000	24.3060	28.3698	18.5445	7.577	2.842
6.000	24.3761	28.4674	18.5979	7.165	2.659
7.000	24.4696	28.5202	18.6105	6.468	3.198



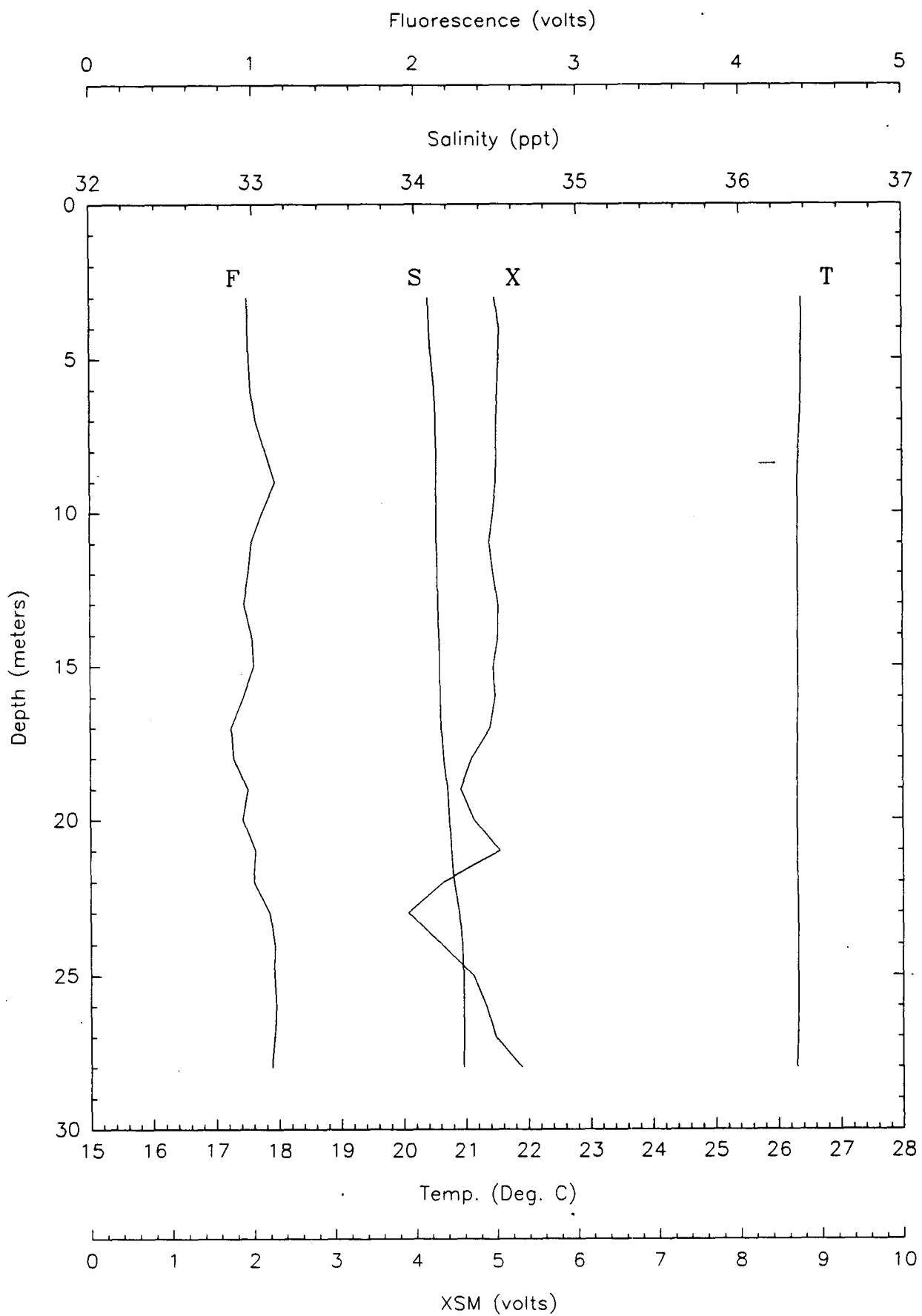
Stn. 9
92G10

Cruise: 92G10
 Date: Sun Oct 04 1992, Julian day = 278
 Time: 11:03:22 GMT
 Lat: 29 07.079 N
 Lon: 92 35.055 W
 Stn: 10

meters	temp	salinity sigmatheta	volts# 0	Fluor(v.)
4.000	25.2757		5.342	1.924
5.000	25.2949	no data: problems	5.316	1.868
7.000	25.2711	with bubbles in	5.168	1.793
8.000	25.2856	pumped flow to	5.452	2.019
8.605	25.3315	conductivity	5.404	2.972
10.000	25.3507	sensor	5.320	2.165
11.000	25.3927		5.333	2.019
12.000	25.4133		5.327	1.698
13.000	25.3602		5.497	1.742

Cruise: 91G10
 Date: Sun Oct 04 1992, Julian day = 278
 Time: 15:33:37 GMT
 Lat: 28 39.925 N
 Lon: 93 23.000 W
 Stn: 11

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	26.3918	34.0846	22.2228	4.994	0.967
4.000	26.3942	34.0911	22.2270	5.049	0.970
5.000	26.3845	34.1025	22.2387	5.033	0.977
6.000	26.3830	34.1223	22.2541	5.022	0.990
7.000	26.3625	34.1294	22.2660	5.005	1.018
8.000	26.3401	34.1303	22.2738	5.004	1.078
9.000	26.3238	34.1318	22.2801	5.001	1.136
10.000	26.3203	34.1322	22.2816	4.962	1.057
11.000	26.3202	34.1326	22.2820	4.918	0.989
12.000	26.3208	34.1364	22.2847	4.961	0.970
13.000	26.3219	34.1418	22.2885	5.025	0.944
14.000	26.3210	34.1458	22.2919	5.021	0.993
15.000	26.3201	34.1491	22.2947	4.963	1.004
16.000	26.3197	34.1520	22.2971	4.983	0.938
17.000	26.3169	34.1581	22.3026	4.924	0.863
18.000	26.3104	34.1745	22.3171	4.692	0.879
19.000	26.3048	34.1982	22.3368	4.554	0.966
20.000	26.3052	34.2080	22.3441	4.720	0.934
21.000	26.3087	34.2194	22.3517	5.043	1.013
22.000	26.3134	34.2357	22.3625	4.340	1.002
23.000	26.3213	34.2670	22.3837	3.906	1.099
24.000	26.3250	34.2847	22.3960	4.321	1.129
25.000	26.3246	34.2923	22.4019	4.710	1.124
26.000	26.3196	34.2951	22.4057	4.869	1.138
27.000	26.3149	34.2955	22.4075	4.981	1.126
28.000	26.2971	34.2907	22.4095	5.308	1.109

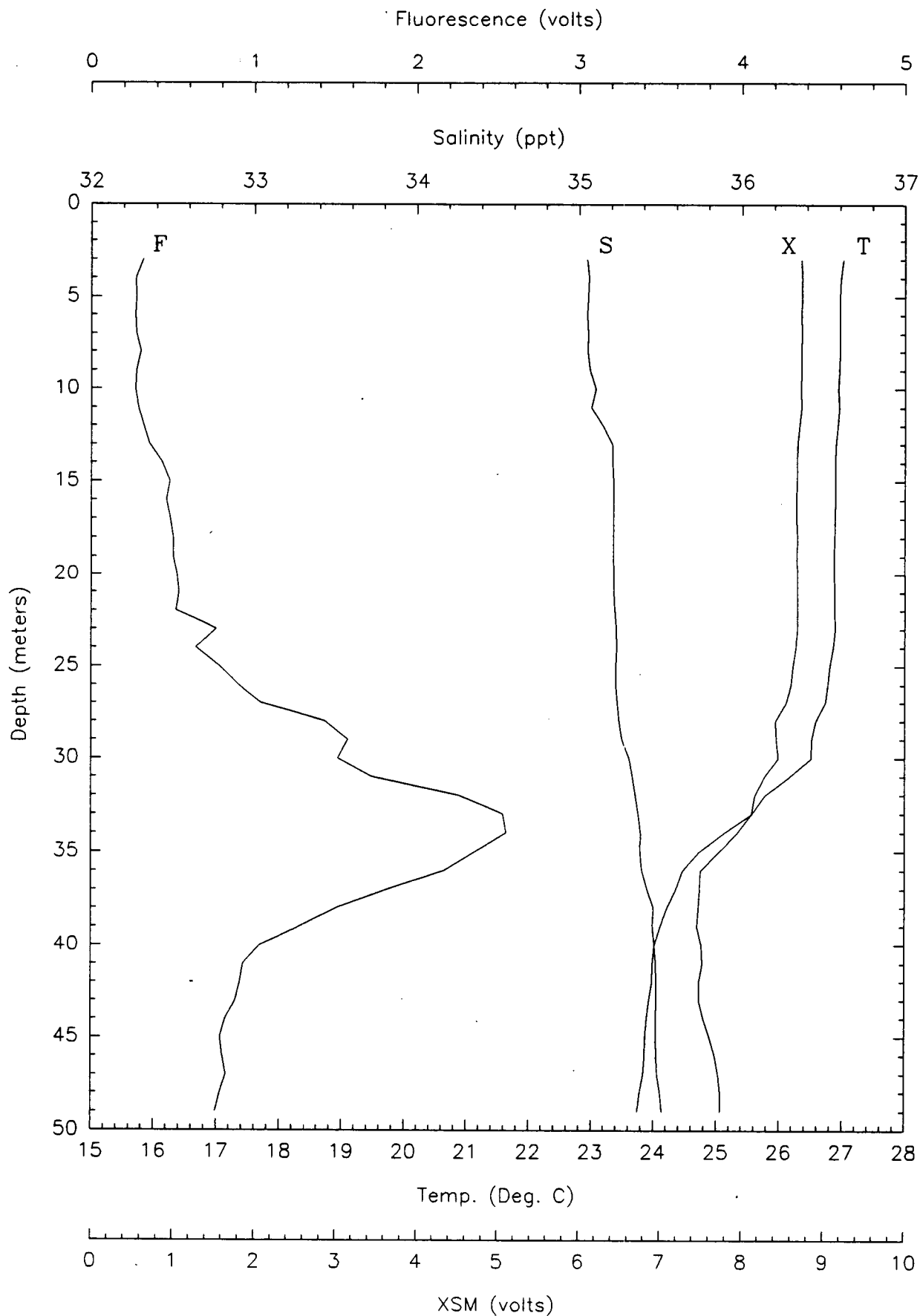


Stn. 11
92G10

Cruise: 91G10
 Date: Sun Oct 04 1992, Julian day = 278
 Time: 18:41:26 GMT
 Lat: 28 20.124 N
 Lon: 92 09.064 W
 Stn: 12

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	27.0080	35.0500	22.7558	8.727	0.317
4.000	26.9677	35.0594	22.7752	8.734	0.274
5.000	26.9523	35.0555	22.7772	8.732	0.278
6.000	26.9555	35.0487	22.7711	8.730	0.271
7.000	26.9513	35.0551	22.7774	8.732	0.278
8.000	26.9524	35.0516	22.7745	8.725	0.304
9.000	26.9469	35.0678	22.7885	8.727	0.278
10.000	26.9319	35.1026	22.8196	8.720	0.271
11.000	26.9442	35.0749	22.7949	8.726	0.288
12.000	26.9203	35.1469	22.8568	8.705	0.322
13.000	26.8904	35.2060	22.9109	8.680	0.358
14.000	26.8877	35.2045	22.9108	8.671	0.435
15.000	26.8856	35.2101	22.9157	8.672	0.481
16.000	26.8822	35.2110	22.9175	8.666	0.460
17.000	26.8794	35.2121	22.9193	8.667	0.486
18.000	26.8773	35.2133	22.9210	8.677	0.501
19.000	26.8715	35.2123	22.9221	8.676	0.501
20.000	26.8715	35.2140	22.9235	8.678	0.526
21.000	26.8756	35.2167	22.9243	8.682	0.538
22.000	26.8793	35.2221	22.9273	8.679	0.521
23.000	26.8876	35.2306	22.9311	8.680	0.765
24.000	26.8522	35.2324	22.9438	8.660	0.641
25.000	26.7991	35.2275	22.9571	8.624	0.786
26.000	26.7725	35.2274	22.9655	8.600	0.903
27.000	26.7332	35.2359	22.9845	8.543	1.038
28.000	26.5784	35.2474	23.0422	8.411	1.434
29.000	26.5158	35.2653	23.0756	8.421	1.577
30.000	26.5097	35.3096	23.1110	8.447	1.515
31.000	26.1710	35.3323	23.2347	8.284	1.719
32.000	25.7719	35.3480	23.3711	8.160	2.258
33.000	25.5617	35.3663	23.4499	8.123	2.532
34.000	25.1247	35.3805	23.5949	7.948	2.554
35.000	24.7280	35.3775	23.7130	7.724	2.360
36.000	24.4627	35.3887	23.8017	7.499	2.171
37.000	24.3529	35.4237	23.8611	7.487	1.820
38.000	24.2150	35.4604	23.9302	7.475	1.510
39.000	24.1088	35.4543	23.9572	7.460	1.284
40.000	24.0125	35.4668	23.9954	7.512	1.037
41.000	23.9878	35.4753	24.0092	7.523	0.933
42.000	23.9745	35.4782	24.0154	7.479	0.916
43.000	23.9315	35.4807	24.0300	7.478	0.888
44.000	23.8912	35.4772	24.0394	7.534	0.825
45.000	23.8701	35.4764	24.0450	7.613	0.792
46.000	23.8582	35.4795	24.0510	7.678	0.809
47.000	23.8372	35.4859	24.0621	7.720	0.828

48.000	23.7835	35.5029	24.0909	7.743	0.794
49.000	23.7464	35.5136	24.1100	7.744	0.763



Stn. 12
92G10

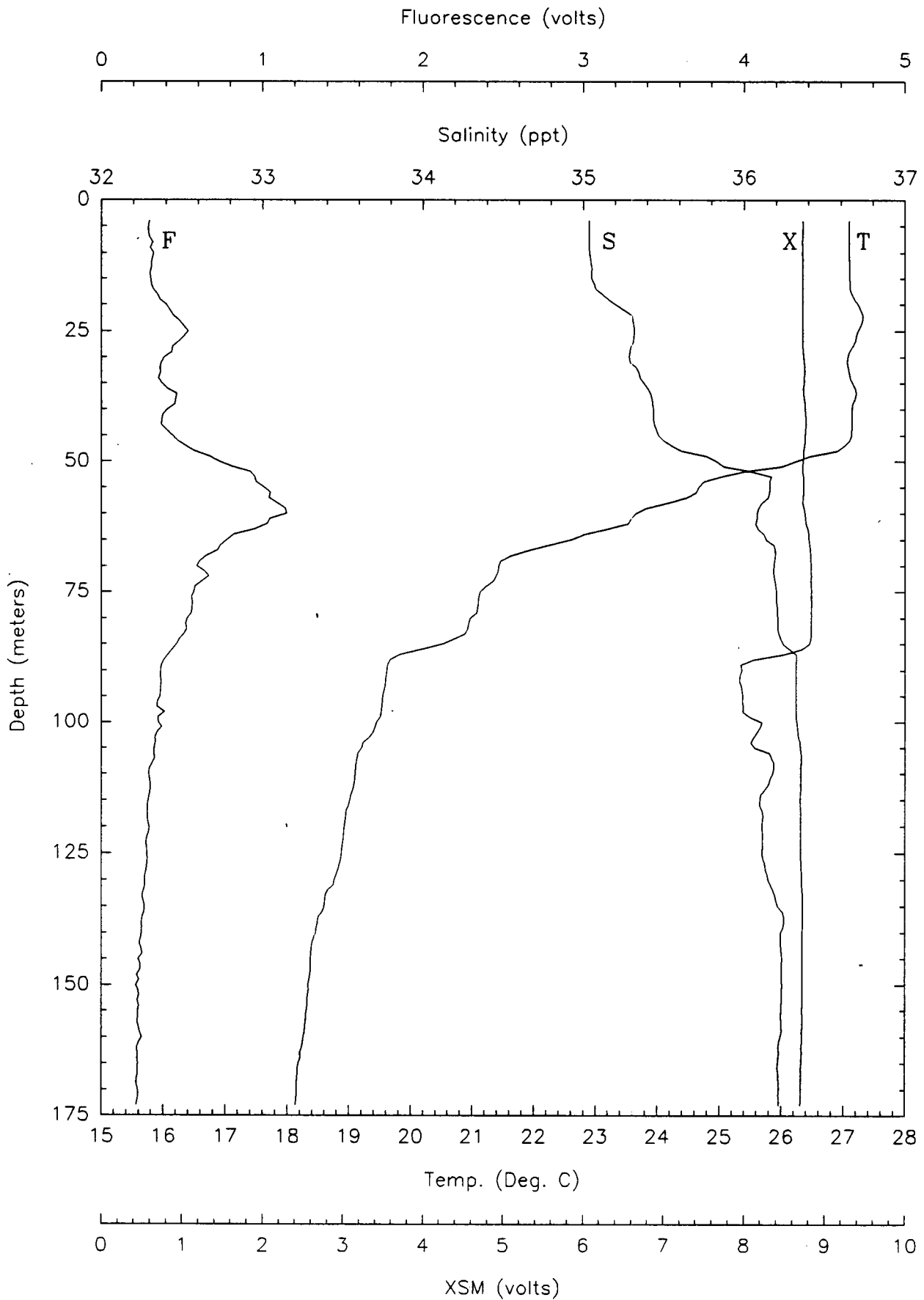
Cruise: 92G13
 Date: Sun Oct 04 1992, Julian day = 278
 Time: 23:02:26 GMT
 Lat: 27 54.989 N
 Lon: 91 52.039 W
 Stn: 13

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
4.000	27.0913	35.0367	22.7186	8.726	0.298
5.000	27.0913	35.0379	22.7196	8.731	0.290
6.000	27.0921	35.0381	22.7196	8.730	0.291
7.000	27.0916	35.0375	22.7193	8.728	0.297
8.000	27.0910	35.0362	22.7186	8.720	0.318
9.000	27.0904	35.0361	22.7188	8.725	0.302
10.000	27.0917	35.0391	22.7207	8.723	0.324
11.000	27.0954	35.0466	22.7253	8.725	0.314
12.000	27.0971	35.0498	22.7272	8.725	0.309
13.000	27.0997	35.0543	22.7298	8.725	0.310
14.000	27.0988	35.0522	22.7286	8.728	0.301
15.000	27.0978	35.0515	22.7285	8.728	0.307
16.000	27.1051	35.0690	22.7394	8.725	0.310
17.000	27.1049	35.0789	22.7470	8.728	0.322
18.000	27.1362	35.1186	22.7669	8.729	0.347
19.000	27.1807	35.1565	22.7813	8.730	0.363
20.000	27.2388	35.1987	22.7945	8.730	0.400
22.000	27.3199	35.3031	22.8472	8.730	0.446
23.000	27.3108	35.3094	22.8549	8.730	0.485
24.000	27.2797	35.3170	22.8707	8.727	0.511
25.000	27.2322	35.3199	22.8883	8.728	0.539
26.000	27.2100	35.3177	22.8938	8.726	0.510
27.000	27.1935	35.3127	22.8954	8.728	0.479
28.000	27.1508	35.2981	22.8982	8.729	0.440
29.000	27.0921	35.2885	22.9098	8.734	0.436
30.000	27.0682	35.2869	22.9164	8.737	0.390
31.000	27.0604	35.2935	22.9239	8.743	0.371
32.000	27.0762	35.3302	22.9466	8.748	0.363
33.000	27.0935	35.3474	22.9541	8.750	0.364
34.000	27.1044	35.3557	22.9569	8.747	0.355
35.000	27.1477	35.3793	22.9609	8.745	0.375
36.000	27.1905	35.4031	22.9651	8.734	0.406
37.000	27.2096	35.4198	22.9717	8.738	0.467
38.000	27.1824	35.4293	22.9876	8.745	0.462
39.000	27.1462	35.4327	23.0019	8.754	0.453
40.000	27.1406	35.4364	23.0065	8.758	0.411
41.000	27.1416	35.4379	23.0075	8.763	0.381
42.000	27.1367	35.4386	23.0096	8.768	0.374
43.000	27.1356	35.4443	23.0144	8.769	0.371
45.000	27.1288	35.4691	23.0353	8.759	0.440
46.000	27.0998	35.5032	23.0704	8.755	0.472
47.000	27.0179	35.5549	23.1356	8.748	0.524
48.000	26.9026	35.6129	23.2162	8.740	0.576
49.000	26.4715	35.7680	23.4700	8.736	0.669
50.000	26.2393	35.8292	23.5896	8.735	0.728

51.000	26.0047	35.8752	23.6978	8.727	0.812
52.000	25.4028	36.0494	24.0165	8.725	0.922
53.000	25.0369	36.1710	24.2207	8.738	0.951
54.000	24.7575	36.1595	24.2970	8.737	0.960
55.000	24.6695	36.1629	24.3264	8.740	1.008
56.000	24.6295	36.1584	24.3351	8.740	1.048
57.000	24.4782	36.1487	24.3735	8.734	1.039
58.000	24.1809	36.1096	24.4331	8.730	1.088
59.000	23.8281	36.0907	24.5238	8.744	1.139
60.000	23.6486	36.0821	24.5703	8.753	1.149
61.000	23.5846	36.0823	24.5894	8.764	1.046
62.000	23.5290	36.0721	24.5980	8.770	1.026
63.000	23.2003	36.0863	24.7051	8.794	0.949
64.000	22.8146	36.1271	24.8478	8.802	0.820
65.000	22.5991	36.1374	24.9174	8.805	0.777
66.000	22.2535	36.1857	25.0526	8.816	0.741
67.000	21.9228	36.1935	25.1520	8.824	0.720
68.000	21.6137	36.1953	25.2398	8.827	0.644
69.000	21.4636	36.1891	25.2769	8.828	0.609
70.000	21.4290	36.1843	25.2829	8.831	0.590
71.000	21.4250	36.1834	25.2833	8.827	0.638
72.000	21.3895	36.1851	25.2945	8.833	0.665
73.000	21.3427	36.1901	25.3113	8.830	0.624
74.000	21.2194	36.1985	25.3518	8.832	0.579
75.000	21.1329	36.1988	25.3758	8.833	0.572
76.000	21.1070	36.1990	25.3831	8.833	0.560
77.000	21.0998	36.2018	25.3873	8.831	0.564
78.000	21.0921	36.2048	25.3918	8.831	0.561
79.000	21.0716	36.2064	25.3986	8.833	0.559
80.000	20.9628	36.2081	25.4298	8.833	0.532
81.000	20.9461	36.2079	25.4342	8.833	0.524
82.000	20.9266	36.2084	25.4399	8.833	0.528
83.000	20.8872	36.2134	25.4545	8.833	0.514
84.000	20.7173	36.2257	25.5102	8.825	0.486
85.000	20.5274	36.2418	25.5738	8.810	0.466
86.000	20.1833	36.2832	25.6977	8.716	0.441
87.000	19.8270	36.3257	25.8248	8.489	0.412
88.000	19.6693	36.3237	25.8648	8.122	0.390
89.000	19.6265	36.3226	25.8753	7.962	0.371
90.000	19.6175	36.3207	25.8762	7.971	0.368
91.000	19.5995	36.3220	25.8819	7.948	0.364
92.000	19.5946	36.3217	25.8830	7.942	0.371
93.000	19.5879	36.3224	25.8854	7.968	0.369
95.000	19.5470	36.3233	25.8969	7.985	0.364
96.000	19.5393	36.3229	25.8986	7.979	0.348
97.000	19.5327	36.3224	25.9000	7.990	0.344
98.000	19.5255	36.3215	25.9012	7.988	0.391
99.000	19.5102	36.3221	25.9057	8.067	0.350
100.000	19.4499	36.3278	25.9259	8.225	0.355
101.000	19.4259	36.3298	25.9337	8.207	0.374
102.000	19.3907	36.3327	25.9451	8.162	0.344
103.000	19.3337	36.3376	25.9637	8.122	0.334
104.000	19.2341	36.3470	25.9968	8.088	0.335
105.000	19.2097	36.3495	26.0051	8.132	0.328

106.000	19.1461	36.3546	26.0255	8.315	0.327
107.000	19.1288	36.3545	26.0299	8.340	0.329
108.000	19.1139	36.3537	26.0332	8.370	0.314
109.000	19.1048	36.3531	26.0351	8.369	0.297
110.000	19.0985	36.3526	26.0364	8.353	0.295
111.000	19.0927	36.3516	26.0372	8.322	0.301
112.000	19.0876	36.3513	26.0383	8.308	0.303
113.000	19.0630	36.3504	26.0440	8.261	0.304
114.000	19.0336	36.3491	26.0506	8.202	0.297
115.000	19.0120	36.3490	26.0561	8.198	0.291
116.000	18.9948	36.3500	26.0613	8.193	0.285
117.000	18.9505	36.3525	26.0747	8.231	0.286
118.000	18.9423	36.3526	26.0769	8.232	0.286
119.000	18.9356	36.3522	26.0783	8.229	0.289
120.000	18.9226	36.3521	26.0816	8.224	0.298
121.000	18.9148	36.3525	26.0840	8.227	0.295
122.000	18.9089	36.3530	26.0859	8.227	0.283
123.000	18.8983	36.3527	26.0885	8.227	0.276
124.000	18.8827	36.3528	26.0926	8.227	0.284
125.000	18.8768	36.3525	26.0939	8.224	0.283
126.000	18.8685	36.3526	26.0961	8.237	0.286
127.000	18.8481	36.3535	26.1021	8.259	0.284
128.000	18.8202	36.3554	26.1107	8.263	0.281
129.000	18.7882	36.3568	26.1200	8.287	0.272
130.000	18.7586	36.3581	26.1286	8.297	0.269
131.000	18.7416	36.3580	26.1329	8.327	0.272
132.000	18.6501	36.3613	26.1587	8.357	0.261
133.000	18.6128	36.3618	26.1686	8.382	0.253
134.000	18.6031	36.3620	26.1713	8.394	0.260
135.000	18.5997	36.3622	26.1723	8.420	0.267
136.000	18.5656	36.3623	26.1811	8.476	0.266
137.000	18.4938	36.3638	26.2005	8.495	0.253
138.000	18.4860	36.3630	26.2019	8.494	0.250
139.000	18.4672	36.3627	26.2064	8.484	0.249
140.000	18.4554	36.3616	26.2086	8.451	0.249
141.000	18.4266	36.3612	26.2156	8.455	0.245
142.000	18.3971	36.3611	26.2230	8.454	0.234
143.000	18.3898	36.3611	26.2249	8.463	0.248
144.000	18.3808	36.3607	26.2268	8.467	0.252
145.000	18.3750	36.3597	26.2276	8.472	0.230
146.000	18.3731	36.3602	26.2285	8.467	0.241
147.000	18.3731	36.3599	26.2283	8.466	0.242
148.000	18.3687	36.3601	26.2297	8.464	0.220
149.000	18.3529	36.3602	26.2337	8.464	0.232
150.000	18.3359	36.3605	26.2382	8.474	0.213
151.000	18.3391	36.3596	26.2368	8.466	0.228
152.000	18.3295	36.3598	26.2394	8.466	0.232
153.000	18.3218	36.3594	26.2411	8.464	0.223
154.000	18.3214	36.3591	26.2410	8.462	0.233
155.000	18.3082	36.3585	26.2439	8.459	0.227
156.000	18.2970	36.3594	26.2474	8.455	0.227
157.000	18.2972	36.3592	26.2473	8.457	0.222
158.000	18.2794	36.3599	26.2523	8.459	0.228
159.000	18.2767	36.3581	26.2517	8.465	0.237

160.000	18.2551	36.3574	26.2566	8.446	0.251
161.000	18.2485	36.3574	26.2583	8.428	0.231
162.000	18.2324	36.3556	26.2610	8.424	0.220
163.000	18.2064	36.3561	26.2679	8.427	0.222
164.000	18.2141	36.3547	26.2650	8.424	0.222
165.000	18.1833	36.3540	26.2722	8.420	0.225
166.000	18.1611	36.3525	26.2766	8.415	0.222
167.000	18.1615	36.3523	26.2764	8.424	0.226
168.000	18.1572	36.3517	26.2770	8.423	0.216
169.000	18.1531	36.3515	26.2780	8.428	0.218
170.000	18.1493	36.3517	26.2791	8.427	0.225
171.000	18.1512	36.3512	26.2783	8.425	0.230
172.000	18.1434	36.3511	26.2802	8.432	0.223
173.000	18.1296	36.3498	26.2827	8.427	0.217



Stn. 13
92G10

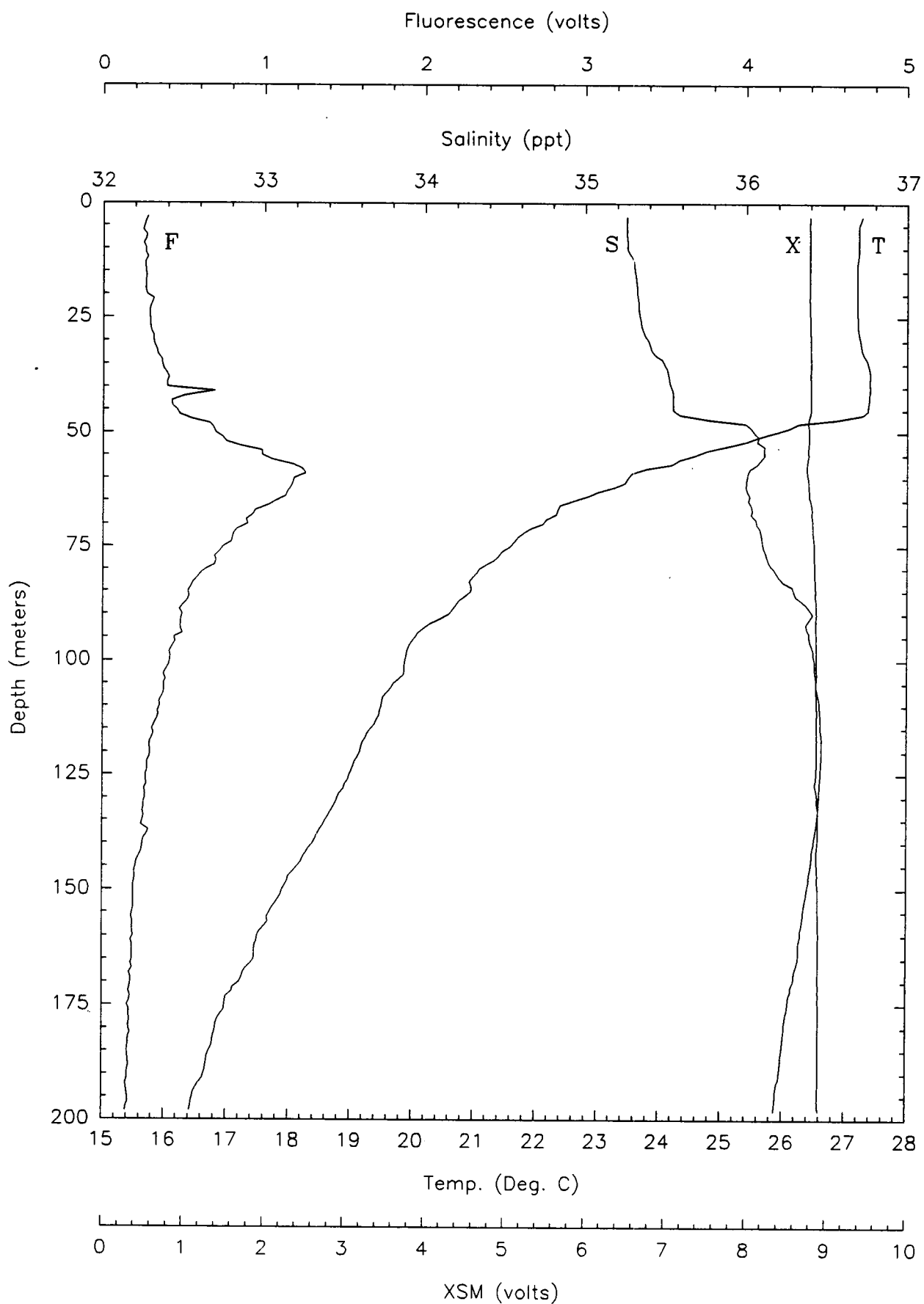
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 Date: Mon Oct 05 1992, Julian day = 279
 Time: 01:18:50 GMT
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 Lon: 91 44.378 W
 Stn: 14

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	27.2645	35.2559	22.8288	8.784	0.277
4.000	27.2425	35.2566	22.8357	8.784	0.265
5.000	27.2087	35.2580	22.8477	8.782	0.256
6.000	27.2105	35.2582	22.8474	8.784	0.248
7.000	27.2101	35.2577	22.8472	8.786	0.271
8.000	27.2083	35.2592	22.8489	8.784	0.265
9.000	27.2098	35.2619	22.8506	8.784	0.251
10.000	27.2058	35.2610	22.8512	8.784	0.264
11.000	27.2064	35.2720	22.8594	8.784	0.263
12.000	27.1983	35.2932	22.8780	8.784	0.278
13.000	27.1890	35.3000	22.8863	8.786	0.260
14.000	27.1843	35.3041	22.8909	8.784	0.261
15.000	27.1831	35.3078	22.8942	8.784	0.265
16.000	27.1847	35.3131	22.8977	8.787	0.269
17.000	27.1830	35.3162	22.9007	8.789	0.264
18.000	27.1830	35.3197	22.9034	8.784	0.266
19.000	27.1835	35.3208	22.9041	8.787	0.263
20.000	27.1838	35.3228	22.9056	8.789	0.270
21.000	27.1848	35.3285	22.9096	8.780	0.313
22.000	27.1848	35.3300	22.9109	8.789	0.299
23.000	27.1835	35.3316	22.9125	8.789	0.287
24.000	27.1848	35.3351	22.9149	8.789	0.288
25.000	27.1906	35.3408	22.9174	8.791	0.288
26.000	27.1943	35.3452	22.9195	8.791	0.293
27.000	27.1963	35.3493	22.9221	8.791	0.291
28.000	27.2053	35.3603	22.9275	8.794	0.298
29.000	27.2198	35.3736	22.9330	8.796	0.311
30.000	27.2375	35.3919	22.9412	8.799	0.313
31.000	27.2500	35.4005	22.9437	8.796	0.317
32.000	27.2617	35.4098	22.9470	8.799	0.333
33.000	27.2956	35.4349	22.9551	8.799	0.340
34.000	27.3441	35.4763	22.9707	8.803	0.362
35.000	27.3648	35.4897	22.9742	8.803	0.367
36.000	27.3835	35.5075	22.9817	8.801	0.374
37.000	27.3913	35.5135	22.9837	8.799	0.395
38.000	27.3908	35.5199	22.9888	8.799	0.408
39.000	27.3876	35.5232	22.9924	8.801	0.396
40.000	27.3947	35.5357	22.9995	8.804	0.398
41.000	27.3946	35.5454	23.0070	8.803	0.693
42.000	27.3829	35.5487	23.0133	8.803	0.508
43.000	27.3748	35.5445	23.0129	8.803	0.424
44.000	27.3628	35.5476	23.0191	8.803	0.427
45.000	27.3594	35.5474	23.0202	8.801	0.457
46.000	27.2674	35.5880	23.0804	8.790	0.476
47.000	26.8567	35.7639	23.3446	8.775	0.549

48.000	26.2376	35.9988	23.7180	8.769	0.664
49.000	26.0805	36.0308	23.7915	8.780	0.685
50.000	25.8341	36.0532	23.8855	8.782	0.697
51.000	25.5959	36.0774	23.9778	8.779	0.740
52.000	25.3911	36.0712	24.0364	8.779	0.763
53.000	25.0684	36.1148	24.1684	8.775	0.859
54.000	24.7671	36.1126	24.2587	8.769	0.985
55.000	24.5745	36.1151	24.3189	8.772	0.987
56.000	24.3211	36.0911	24.3771	8.764	1.050
57.000	24.1980	36.0661	24.3950	8.755	1.175
58.000	23.7928	36.0251	24.4844	8.752	1.236
59.000	23.5507	36.0111	24.5453	8.759	1.256
60.000	23.4883	36.0051	24.5591	8.766	1.184
61.000	23.4459	36.0012	24.5686	8.772	1.174
62.000	23.2842	35.9993	24.6145	8.774	1.163
63.000	23.0170	36.0078	24.6986	8.781	1.144
64.000	22.8416	36.0225	24.7605	8.781	1.131
65.000	22.6257	36.0126	24.8151	8.796	1.074
66.000	22.3942	36.0323	24.8961	8.807	1.024
67.000	22.3512	36.0359	24.9111	8.814	0.944
68.000	22.3341	36.0324	24.9134	8.810	0.929
69.000	22.1667	36.0595	24.9815	8.822	0.889
70.000	22.1137	36.0641	25.0000	8.823	0.896
71.000	21.9142	36.0833	25.0709	8.826	0.833
72.000	21.8069	36.0907	25.1065	8.828	0.812
73.000	21.7067	36.0957	25.1384	8.834	0.801
74.000	21.6554	36.1008	25.1567	8.837	0.797
75.000	21.5795	36.1047	25.1808	8.846	0.746
76.000	21.4503	36.1165	25.2257	8.845	0.722
77.000	21.3946	36.1268	25.2490	8.847	0.692
78.000	21.3304	36.1360	25.2738	8.847	0.701
79.000	21.2001	36.1477	25.3187	8.852	0.691
80.000	21.0841	36.1712	25.3685	8.850	0.639
81.000	21.0477	36.1838	25.3881	8.852	0.608
82.000	20.9850	36.2044	25.4210	8.852	0.589
83.000	20.9219	36.2311	25.4586	8.857	0.563
84.000	20.9499	36.2871	25.4937	8.857	0.546
85.000	20.9500	36.2948	25.4995	8.862	0.530
86.000	20.8585	36.3073	25.5341	8.860	0.535
87.000	20.7591	36.3425	25.5880	8.866	0.522
88.000	20.7103	36.3716	25.6235	8.867	0.499
89.000	20.6546	36.3927	25.6548	8.867	0.476
90.000	20.5960	36.4133	25.6863	8.872	0.492
91.000	20.4658	36.3925	25.7057	8.867	0.483
92.000	20.2854	36.3736	25.7398	8.867	0.481
93.000	20.1829	36.3758	25.7689	8.867	0.481
94.000	20.0897	36.3888	25.8037	8.870	0.492
95.000	20.0483	36.3899	25.8156	8.872	0.443
96.000	19.9874	36.3962	25.8366	8.869	0.449
97.000	19.9423	36.4069	25.8568	8.877	0.431
98.000	19.9073	36.4173	25.8740	8.872	0.413
99.000	19.9043	36.4181	25.8755	8.874	0.420
100.000	19.8816	36.4249	25.8867	8.877	0.415
101.000	19.8748	36.4262	25.8896	8.877	0.406

102.000	19.8724	36.4272	25.8910	8.877	0.393
103.000	19.8595	36.4300	25.8966	8.880	0.378
104.000	19.7795	36.4354	25.9219	8.873	0.389
105.000	19.6927	36.4353	25.9447	8.869	0.376
106.000	19.6464	36.4359	25.9573	8.867	0.381
107.000	19.5881	36.4421	25.9774	8.869	0.376
108.000	19.5251	36.4501	26.0001	8.876	0.365
109.000	19.5054	36.4552	26.0092	8.877	0.352
110.000	19.5035	36.4548	26.0094	8.877	0.354
111.000	19.4727	36.4595	26.0211	8.879	0.342
112.000	19.4586	36.4605	26.0256	8.881	0.344
113.000	19.4194	36.4620	26.0370	8.878	0.333
114.000	19.3873	36.4635	26.0465	8.879	0.319
115.000	19.3266	36.4611	26.0606	8.876	0.308
116.000	19.2726	36.4679	26.0798	8.881	0.315
117.000	19.2385	36.4717	26.0917	8.882	0.303
118.000	19.1895	36.4711	26.1039	8.882	0.292
119.000	19.1667	36.4716	26.1102	8.882	0.290
120.000	19.1508	36.4710	26.1139	8.882	0.295
121.000	19.1159	36.4698	26.1220	8.882	0.290
122.000	19.0709	36.4679	26.1323	8.882	0.277
123.000	19.0478	36.4679	26.1382	8.880	0.278
124.000	19.0134	36.4651	26.1450	8.877	0.276
125.000	18.9859	36.4638	26.1511	8.874	0.269
126.000	18.9597	36.4619	26.1564	8.868	0.267
127.000	18.9056	36.4591	26.1682	8.860	0.273
128.000	18.8916	36.4582	26.1712	8.871	0.259
129.000	18.8213	36.4553	26.1870	8.883	0.264
130.000	18.7926	36.4544	26.1937	8.886	0.266
131.000	18.7690	36.4524	26.1982	8.884	0.256
132.000	18.7258	36.4508	26.2080	8.891	0.256
133.000	18.6843	36.4496	26.2177	8.896	0.250
134.000	18.6470	36.4469	26.2252	8.896	0.257
135.000	18.5949	36.4429	26.2354	8.896	0.249
136.000	18.5577	36.4401	26.2427	8.896	0.242
137.000	18.5064	36.4341	26.2511	8.899	0.286
138.000	18.4625	36.4303	26.2593	8.899	0.276
139.000	18.4314	36.4270	26.2647	8.897	0.257
140.000	18.3993	36.4234	26.2701	8.891	0.251
141.000	18.3265	36.4161	26.2828	8.888	0.248
142.000	18.2908	36.4119	26.2886	8.884	0.242
143.000	18.2357	36.4098	26.3008	8.884	0.227
144.000	18.2010	36.4092	26.3092	8.884	0.212
145.000	18.1453	36.4057	26.3204	8.886	0.208
146.000	18.0788	36.3992	26.3321	8.886	0.200
147.000	18.0013	36.3929	26.3465	8.892	0.203
148.000	17.9881	36.3914	26.3487	8.885	0.200
149.000	17.9452	36.3863	26.3554	8.893	0.193
150.000	17.8996	36.3817	26.3632	8.900	0.193
151.000	17.8761	36.3793	26.3673	8.901	0.193
153.000	17.7890	36.3663	26.3789	8.901	0.193
154.000	17.7337	36.3628	26.3899	8.901	0.193
155.000	17.7006	36.3579	26.3943	8.901	0.186
156.000	17.6573	36.3571	26.4043	8.907	0.183

157.000	17.6700	36.3530	26.3981	8.906	0.192
158.000	17.6119	36.3470	26.4078	8.906	0.188
159.000	17.5416	36.3407	26.4202	8.906	0.188
160.000	17.5006	36.3414	26.4308	8.913	0.195
161.000	17.4971	36.3335	26.4256	8.908	0.178
162.000	17.4637	36.3316	26.4323	8.906	0.186
163.000	17.4586	36.3308	26.4330	8.908	0.188
164.000	17.4559	36.3302	26.4333	8.908	0.186
165.000	17.4491	36.3290	26.4340	8.908	0.188
166.000	17.3930	36.3207	26.4413	8.908	0.179
167.000	17.3156	36.3118	26.4533	8.906	0.186
168.000	17.2665	36.3057	26.4605	8.906	0.169
169.000	17.2520	36.3046	26.4632	8.906	0.179
170.000	17.2169	36.2977	26.4664	8.906	0.178
171.000	17.1068	36.2841	26.4826	8.911	0.173
172.000	17.0907	36.2841	26.4864	8.907	0.168
173.000	17.0023	36.2707	26.4974	8.911	0.177
174.000	16.9807	36.2674	26.5001	8.906	0.169
175.000	16.9784	36.2668	26.5002	8.911	0.157
176.000	16.9701	36.2632	26.4995	8.911	0.171
177.000	16.9049	36.2546	26.5085	8.911	0.168
178.000	16.8614	36.2499	26.5152	8.911	0.172
179.000	16.8384	36.2460	26.5178	8.911	0.167
180.000	16.8294	36.2443	26.5186	8.911	0.166
181.000	16.8157	36.2417	26.5199	8.911	0.174
182.000	16.7943	36.2383	26.5224	8.911	0.163
183.000	16.7820	36.2366	26.5241	8.911	0.164
184.000	16.7710	36.2338	26.5246	8.911	0.160
185.000	16.7332	36.2283	26.5294	8.911	0.159
186.000	16.7009	36.2244	26.5341	8.911	0.162
187.000	16.6908	36.2230	26.5354	8.911	0.165
188.000	16.6758	36.2203	26.5369	8.911	0.168
189.000	16.6645	36.2180	26.5379	8.911	0.162
190.000	16.6457	36.2152	26.5402	8.911	0.159
191.000	16.6241	36.2105	26.5417	8.911	0.159
192.000	16.5563	36.2019	26.5511	8.909	0.150
194.000	16.4717	36.1912	26.5628	8.908	0.157
195.000	16.4673	36.1904	26.5633	8.908	0.161
196.000	16.4470	36.1872	26.5657	8.905	0.164
197.000	16.4333	36.1854	26.5675	8.906	0.153
198.000	16.4195	36.1827	26.5687	8.915	0.149



Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 02:47:00 GMT
 Lat: 27 45.367 N
 Lon: 91 44.849 W
 Stn: 14a

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	27.1793	35.2003	22.8135	8.796	0.252
4.000	27.1787	35.2263	22.8333	8.796	0.265
6.000	27.1836	35.2406	22.8427	8.799	0.261
7.000	27.1849	35.2462	22.8467	8.797	0.258
8.000	27.1852	35.2466	22.8469	8.797	0.280
9.000	27.1869	35.2504	22.8492	8.799	0.271
10.000	27.1863	35.2534	22.8518	8.804	0.253
11.000	27.1838	35.2574	22.8557	8.803	0.266
12.000	27.1826	35.2629	22.8603	8.803	0.255
13.000	27.1819	35.2713	22.8669	8.803	0.292
14.000	27.1816	35.2692	22.8655	8.803	0.282
15.000	27.1805	35.2735	22.8691	8.803	0.277
16.000	27.1791	35.2907	22.8827	8.803	0.251
17.000	27.1810	35.3005	22.8895	8.806	0.251
18.000	27.1829	35.3361	22.9158	8.799	0.247
19.000	27.1830	35.3415	22.9199	8.804	0.257
20.000	27.1844	35.3391	22.9177	8.803	0.265
21.000	27.1890	35.3522	22.9262	8.803	0.266
22.000	27.1905	35.3527	22.9261	8.803	0.274
23.000	27.1942	35.3556	22.9272	8.810	0.270
24.000	27.2004	35.3606	22.9291	8.808	0.276
25.000	27.2070	35.3702	22.9342	8.808	0.276
26.000	27.2097	35.3754	22.9374	8.802	0.276
28.000	27.2244	35.4009	22.9520	8.803	0.299
29.000	27.2411	35.4133	22.9560	8.811	0.324
30.000	27.2320	35.4020	22.9505	8.809	0.303
31.000	27.2656	35.4291	22.9602	8.808	0.310
32.000	27.3212	35.4670	22.9709	8.814	0.310
33.000	27.3686	35.4989	22.9798	8.812	0.331
34.000	27.3962	35.5201	22.9869	8.811	0.335
35.000	27.4029	35.5293	22.9917	8.811	0.371
36.000	27.4017	35.5349	22.9964	8.816	0.364
37.000	27.3966	35.5380	23.0005	8.813	0.364
38.000	27.3883	35.5393	23.0042	8.816	0.387
39.000	27.3828	35.5423	23.0083	8.819	0.383
40.000	27.3759	35.5433	23.0113	8.818	0.403
41.000	27.3693	35.5434	23.0137	8.815	0.475
42.000	27.3649	35.5447	23.0161	8.818	0.414
43.000	27.3622	35.5463	23.0183	8.818	0.406
44.000	27.3592	35.5471	23.0199	8.809	0.451
45.000	27.3569	35.5476	23.0211	8.812	0.461
46.000	27.3469	35.5493	23.0257	8.804	0.475
47.000	27.1063	35.6541	23.1821	8.792	0.499
48.000	26.1283	36.0320	23.7777	8.783	0.590
49.000	25.6868	36.0656	23.9405	8.789	0.659

50.000	25.2985	36.0735	24.0664	8.789	0.691
51.000	24.9401	36.1213	24.2125	8.778	0.769
52.000	24.7064	36.1363	24.2949	8.772	0.878
53.000	24.6046	36.1255	24.3175	8.765	0.886
54.000	24.5503	36.1137	24.3251	8.775	0.893
55.000	24.4143	36.0982	24.3544	8.775	0.943
56.000	24.3217	36.0921	24.3776	8.769	1.010
57.000	24.1560	36.0736	24.4133	8.767	1.049
58.000	23.9077	36.0506	24.4697	8.761	1.060
59.000	23.8227	36.0397	24.4868	8.759	1.072
60.000	23.6141	36.0219	24.5349	8.765	1.089
61.000	23.4302	36.0080	24.5784	8.769	1.112
62.000	23.4145	36.0051	24.5808	8.776	1.092
63.000	23.3517	35.9988	24.5945	8.779	1.054
64.000	22.7823	36.0111	24.7690	8.790	1.036
65.000	22.4912	36.0238	24.8621	8.800	0.986
66.000	22.5274	36.0348	24.8600	8.811	0.921
67.000	22.2599	36.0303	24.9328	8.816	0.869
68.000	22.1107	36.0606	24.9981	8.826	0.839
69.000	21.9388	36.0893	25.0684	8.832	0.811
70.000	21.8679	36.0918	25.0902	8.835	0.751
71.000	21.7895	36.0949	25.1146	8.838	0.724
72.000	21.7101	36.0919	25.1345	8.838	0.737
73.000	21.5941	36.1033	25.1756	8.848	0.703
74.000	21.5063	36.1163	25.2100	8.847	0.657
75.000	21.4433	36.1286	25.2368	8.847	0.654
76.000	21.3099	36.1440	25.2854	8.852	0.633
77.000	21.1417	36.1659	25.3485	8.852	0.606
78.000	21.1065	36.1841	25.3721	8.855	0.678
79.000	21.0599	36.2076	25.4027	8.857	0.681
80.000	21.0473	36.2433	25.4335	8.857	0.575
81.000	20.9799	36.2525	25.4590	8.857	0.532
82.000	20.9667	36.3140	25.5095	8.862	0.517
83.000	20.9445	36.3242	25.5233	8.862	0.546
85.000	20.9231	36.3241	25.5292	8.865	0.517
86.000	20.8169	36.3342	25.5660	8.867	0.503
87.000	20.7183	36.3897	25.6350	8.872	0.467
88.000	20.6880	36.3977	25.6494	8.872	0.456
89.000	20.6791	36.4087	25.6603	8.872	0.449
90.000	20.6858	36.4220	25.6687	8.876	0.463
91.000	20.5081	36.3985	25.6989	8.871	0.453
92.000	20.2102	36.3769	25.7624	8.872	0.433
93.000	20.1164	36.3821	25.7914	8.872	0.440
94.000	20.0542	36.3918	25.8154	8.872	0.425
95.000	19.9959	36.4004	25.8374	8.872	0.417
96.000	19.9625	36.4029	25.8483	8.875	0.407
97.000	19.9265	36.4144	25.8667	8.877	0.408
98.000	19.8936	36.4259	25.8842	8.877	0.386
99.000	19.8889	36.4286	25.8876	8.877	0.394
100.000	19.8569	36.4317	25.8984	8.879	0.380
101.000	19.7856	36.4364	25.9209	8.877	0.372
102.000	19.7109	36.4404	25.9436	8.873	0.392
103.000	19.6352	36.4435	25.9660	8.865	0.379
104.000	19.5436	36.4543	25.9982	8.875	0.355

105.000	19.5190	36.4598	26.0090	8.877	0.340
106.000	19.5101	36.4590	26.0107	8.877	0.335
107.000	19.4977	36.4583	26.0135	8.877	0.330
108.000	19.4873	36.4579	26.0159	8.877	0.336
109.000	19.4471	36.4614	26.0292	8.882	0.324
110.000	19.4077	36.4617	26.0397	8.877	0.303
111.000	19.3633	36.4630	26.0523	8.875	0.300
112.000	19.3079	36.4645	26.0679	8.876	0.283
113.000	19.2757	36.4673	26.0784	8.879	0.285
114.000	19.2363	36.4678	26.0891	8.881	0.293
115.000	19.1842	36.4697	26.1040	8.878	0.288
116.000	19.1535	36.4723	26.1140	8.881	0.281
117.000	19.1471	36.4737	26.1168	8.882	0.273
118.000	19.0960	36.4682	26.1258	8.876	0.274
119.000	19.0568	36.4690	26.1366	8.881	0.280
120.000	19.0482	36.4689	26.1388	8.882	0.273
121.000	19.0443	36.4693	26.1401	8.875	0.275
122.000	19.0607	36.4671	26.1343	8.876	0.265
123.000	18.9189	36.4577	26.1635	8.858	0.262
124.000	18.8332	36.4540	26.1827	8.853	0.261
125.000	18.8060	36.4574	26.1923	8.870	0.257
126.000	18.7786	36.4549	26.1974	8.877	0.247
127.000	18.7267	36.4570	26.2123	8.894	0.241
128.000	18.6794	36.4520	26.2206	8.900	0.253
129.000	18.6416	36.4497	26.2285	8.896	0.249
130.000	18.5907	36.4446	26.2375	8.901	0.247
131.000	18.5707	36.4444	26.2424	8.901	0.252
132.000	18.5551	36.4420	26.2446	8.901	0.258
133.000	18.5308	36.4396	26.2490	8.896	0.248
134.000	18.4624	36.4318	26.2603	8.896	0.253
135.000	18.4105	36.4262	26.2691	8.892	0.244
136.000	18.3536	36.4223	26.2806	8.891	0.247
137.000	18.3098	36.4195	26.2894	8.891	0.241
138.000	18.2742	36.4185	26.2977	8.891	0.222
139.000	18.2520	36.4137	26.2996	8.887	0.225
140.000	18.2393	36.4127	26.3020	8.886	0.219
141.000	18.2307	36.4122	26.3039	8.886	0.217
142.000	18.2196	36.4145	26.3085	8.892	0.212
143.000	18.1730	36.4107	26.3172	8.894	0.221
144.000	18.1239	36.4067	26.3264	8.891	0.217
145.000	18.0645	36.4002	26.3363	8.889	0.210
146.000	18.0079	36.3948	26.3462	8.891	0.200
147.000	17.9457	36.3887	26.3571	8.897	0.203
148.000	17.9242	36.3869	26.3611	8.899	0.203
149.000	17.9141	36.3861	26.3630	8.906	0.203
150.000	17.9130	36.3852	26.3627	8.906	0.196
151.000	17.8922	36.3822	26.3655	8.906	0.198
152.000	17.8356	36.3760	26.3747	8.906	0.198
153.000	17.7909	36.3708	26.3818	8.910	0.198
154.000	17.7453	36.3657	26.3892	8.906	0.193
155.000	17.7005	36.3615	26.3971	8.911	0.188
156.000	17.6653	36.3579	26.4030	8.916	0.185
157.000	17.6236	36.3521	26.4088	8.916	0.183
158.000	17.5544	36.3449	26.4202	8.916	0.181

159.000	17.4915	36.3385	26.4307	8.916	0.183
160.000	17.4742	36.3372	26.4340	8.916	0.183
161.000	17.4560	36.3336	26.4357	8.916	0.181
162.000	17.4510	36.3328	26.4364	8.916	0.196
163.000	17.4490	36.3316	26.4360	8.916	0.193
164.000	17.4419	36.3305	26.4369	8.916	0.188
165.000	17.3744	36.3202	26.4455	8.916	0.170
166.000	17.3228	36.3163	26.4550	8.916	0.169
167.000	17.2977	36.3133	26.4588	8.916	0.168
168.000	17.2801	36.3097	26.4603	8.916	0.171
169.000	17.2243	36.3029	26.4686	8.916	0.178
170.000	17.2139	36.3012	26.4699	8.916	0.173
171.000	17.1704	36.2971	26.4772	8.916	0.185
172.000	17.1123	36.2887	26.4848	8.919	0.166
173.000	17.0154	36.2750	26.4976	8.921	0.159
174.000	16.9936	36.2716	26.5002	8.921	0.167
175.000	16.9800	36.2696	26.5020	8.921	0.173
176.000	16.9641	36.2664	26.5034	8.921	0.163
177.000	16.9408	36.2616	26.5053	8.921	0.163
178.000	16.8913	36.2553	26.5123	8.921	0.164
179.000	16.8756	36.2532	26.5145	8.921	0.156
180.000	16.8678	36.2517	26.5152	8.921	0.149
181.000	16.8480	36.2485	26.5175	8.918	0.158
182.000	16.8073	36.2421	26.5223	8.921	0.154
183.000	16.7742	36.2374	26.5266	8.921	0.173
184.000	16.7379	36.2337	26.5324	8.921	0.168
185.000	16.7439	36.2348	26.5319	8.921	0.168
186.000	16.7369	36.2277	26.5281	8.921	0.158
187.000	16.6925	36.2249	26.5365	8.921	0.154
188.000	16.6804	36.2235	26.5383	8.921	0.149
189.000	16.6815	36.2238	26.5383	8.921	0.155
190.000	16.6789	36.2226	26.5380	8.921	0.151
191.000	16.6861	36.2231	26.5368	8.921	0.156
192.000	16.6739	36.2206	26.5378	8.921	0.164
193.000	16.6334	36.2154	26.5434	8.921	0.151
194.000	16.6190	36.2133	26.5452	8.921	0.147
195.000	16.5449	36.2052	26.5565	8.921	0.151
196.000	16.5415	36.2041	26.5565	8.921	0.149
197.000	16.4488	36.1883	26.5661	8.921	0.143
198.000	16.4240	36.1874	26.5712	8.915	0.144
199.000	16.4198	36.1870	26.5720	8.923	0.151
200.000	16.4235	36.1870	26.5711	8.918	0.154
201.000	16.4098	36.1838	26.5719	8.915	0.154
202.000	16.3923	36.1819	26.5746	8.921	0.143
203.000	16.3834	36.1817	26.5765	8.921	0.153
204.000	16.3736	36.1785	26.5764	8.918	0.149
205.000	16.3595	36.1766	26.5783	8.916	0.149
206.000	16.3451	36.1745	26.5800	8.916	0.153
207.000	16.3313	36.1650	26.5761	8.921	0.157
208.000	16.1436	36.1445	26.6039	8.915	0.154
209.000	16.0818	36.1376	26.6129	8.922	0.148
210.000	16.0802	36.1401	26.6152	8.916	0.144
211.000	16.0301	36.1258	26.6158	8.921	0.155
212.000	15.9679	36.1186	26.6246	8.916	0.149

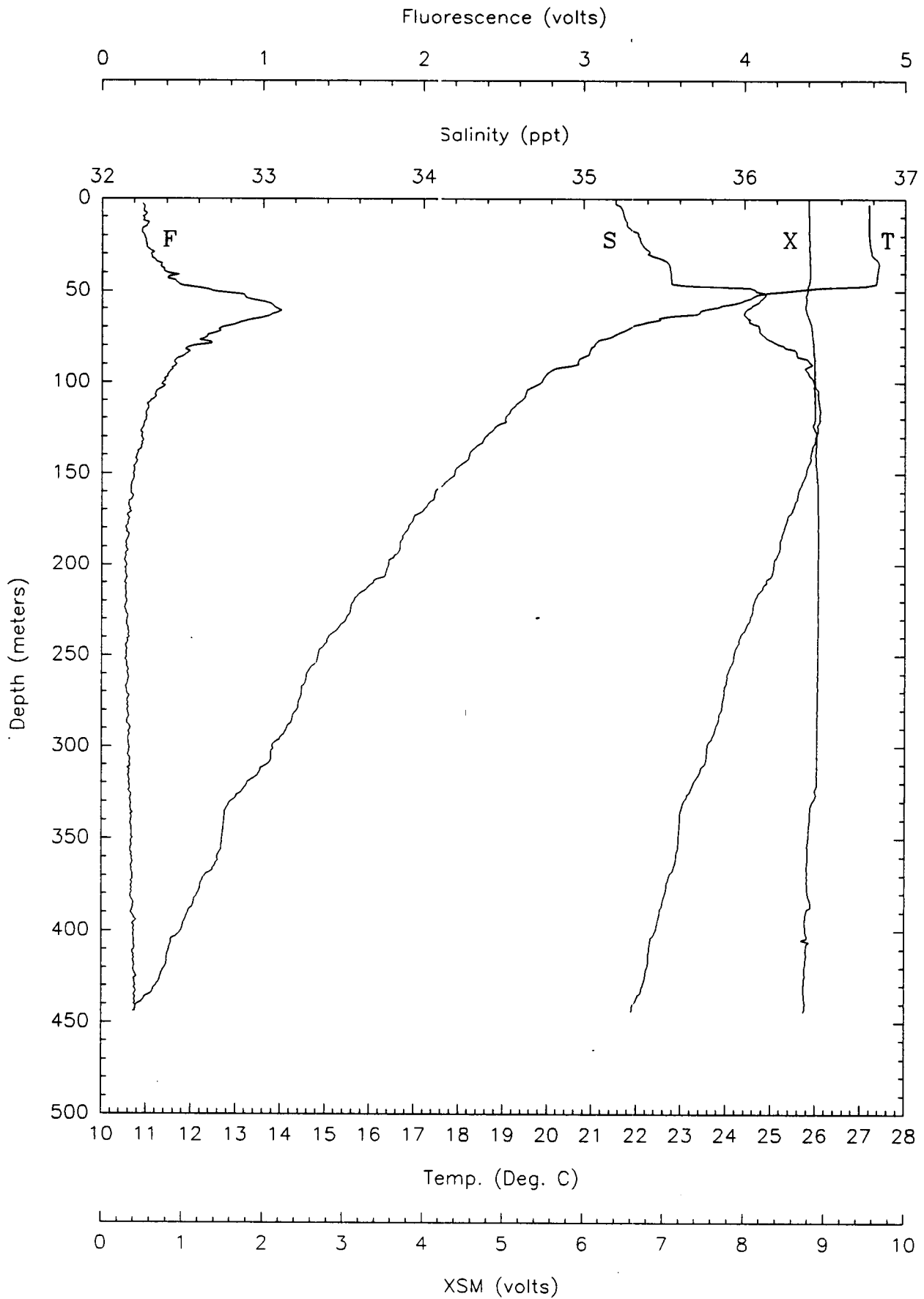
213.000	15.9354	36.1172	26.6311	8.916	0.149
214.000	15.8829	36.1062	26.6346	8.918	0.149
215.000	15.8038	36.0938	26.6432	8.916	0.153
216.000	15.7538	36.0860	26.6487	8.920	0.154
217.000	15.7138	36.0805	26.6536	8.921	0.148
218.000	15.6681	36.0731	26.6583	8.921	0.149
219.000	15.6533	36.0692	26.6586	8.921	0.155
220.000	15.6437	36.0679	26.6599	8.921	0.159
221.000	15.6144	36.0628	26.6626	8.916	0.155
222.000	15.5794	36.0577	26.6667	8.916	0.148
223.000	15.5757	36.0575	26.6674	8.921	0.146
224.000	15.5683	36.0553	26.6674	8.915	0.144
225.000	15.5646	36.0548	26.6679	8.921	0.149
226.000	15.5565	36.0537	26.6689	8.917	0.153
227.000	15.5464	36.0518	26.6697	8.918	0.154
228.000	15.5153	36.0459	26.6722	8.916	0.163
229.000	15.4825	36.0413	26.6762	8.916	0.164
230.000	15.4704	36.0392	26.6772	8.918	0.157
231.000	15.4554	36.0374	26.6793	8.920	0.158
232.000	15.4113	36.0286	26.6825	8.921	0.156
233.000	15.3456	36.0192	26.6900	8.921	0.154
234.000	15.3218	36.0155	26.6925	8.921	0.160
235.000	15.2917	36.0105	26.6954	8.916	0.166
236.000	15.2557	36.0059	26.7000	8.916	0.164
237.000	15.2145	35.9987	26.7036	8.920	0.170
238.000	15.1505	35.9868	26.7087	8.921	0.169
239.000	15.1019	35.9811	26.7151	8.918	0.164
240.000	15.0759	35.9768	26.7176	8.916	0.172
241.000	15.0433	35.9710	26.7204	8.916	0.157
242.000	15.0289	35.9696	26.7225	8.916	0.164
243.000	15.0345	35.9717	26.7229	8.916	0.161
244.000	14.9949	35.9623	26.7245	8.916	0.151
245.000	14.9585	35.9576	26.7288	8.916	0.149
246.000	14.9240	35.9515	26.7318	8.916	0.154
247.000	14.8615	35.9442	26.7400	8.910	0.159
248.000	14.8604	35.9457	26.7414	8.916	0.151
249.000	14.8425	35.9401	26.7410	8.916	0.151
250.000	14.8369	35.9385	26.7410	8.916	0.154
251.000	14.8300	35.9370	26.7414	8.916	0.154
252.000	14.8257	35.9362	26.7417	8.916	0.147
253.000	14.8146	35.9354	26.7436	8.916	0.154
254.000	14.8009	35.9310	26.7433	8.916	0.159
255.000	14.7585	35.9238	26.7470	8.916	0.159
256.000	14.6931	35.9165	26.7557	8.916	0.154
257.000	14.6637	35.9116	26.7583	8.916	0.165
258.000	14.6354	35.9064	26.7605	8.916	0.168
259.000	14.6090	35.9029	26.7635	8.916	0.157
260.000	14.5852	35.8974	26.7645	8.916	0.164
261.000	14.5736	35.8961	26.7661	8.909	0.164
262.000	14.5730	35.8964	26.7664	8.915	0.171
263.000	14.5737	35.8955	26.7656	8.916	0.163
264.000	14.5555	35.8925	26.7673	8.913	0.164
265.000	14.5476	35.8913	26.7681	8.911	0.160
266.000	14.5258	35.8872	26.7696	8.913	0.157

267.000	14.4695	35.8785	26.7751	8.911
268.000	14.4684	35.8789	26.7757	8.917
269.000	14.4677	35.8783	26.7755	8.916
270.000	14.4724	35.8788	26.7749	8.910
271.000	14.4679	35.8774	26.7747	8.911
272.000	14.4552	35.8755	26.7761	8.911
273.000	14.4445	35.8733	26.7767	8.911
274.000	14.4253	35.8701	26.7784	8.911
275.000	14.4072	35.8675	26.7804	8.911
276.000	14.3983	35.8658	26.7809	8.911
277.000	14.3931	35.8651	26.7816	8.911
278.000	14.3955	35.8651	26.7811	8.911
279.000	14.3775	35.8626	26.7830	8.911
280.000	14.3638	35.8607	26.7846	8.911
281.000	14.3223	35.8534	26.7879	8.908
282.000	14.2817	35.8474	26.7919	8.911
283.000	14.2630	35.8449	26.7940	8.911
284.000	14.2601	35.8446	26.7944	8.906
285.000	14.2572	35.8435	26.7943	8.906
286.000	14.2421	35.8409	26.7955	8.906
287.000	14.2234	35.8367	26.7963	8.906
288.000	14.1702	35.8296	26.8022	8.906
289.000	14.1427	35.8264	26.8055	8.906
290.000	14.1344	35.8245	26.8058	8.912
291.000	14.1118	35.8212	26.8081	8.908
292.000	14.0946	35.8180	26.8093	8.911
293.000	14.0679	35.8132	26.8113	8.906
294.000	14.0228	35.8061	26.8154	8.906
295.000	13.9919	35.8035	26.8200	8.906
296.000	13.9819	35.7991	26.8187	8.906
297.000	13.8978	35.7862	26.8264	8.906
298.000	13.8447	35.7789	26.8320	8.906
299.000	13.8150	35.7744	26.8348	8.906
300.000	13.8034	35.7731	26.8362	8.906
301.000	13.8347	35.7709	26.8280	8.906
302.000	13.7877	35.7689	26.8363	8.906
303.000	13.7862	35.7686	26.8364	8.906
304.000	13.7846	35.7684	26.8366	8.906
305.000	13.7842	35.7679	26.8363	8.906
306.000	13.7808	35.7672	26.8366	8.906
307.000	13.7793	35.7664	26.8363	8.906
308.000	13.7709	35.7648	26.8368	8.906
309.000	13.7458	35.7605	26.8387	8.906
310.000	13.6880	35.7536	26.8455	8.906
311.000	13.6113	35.7400	26.8510	8.906
312.000	13.5509	35.7321	26.8573	8.906
313.000	13.5524	35.7318	26.8568	8.906
314.000	13.5291	35.7272	26.8581	8.906
315.000	13.5049	35.7238	26.8605	8.904
316.000	13.4726	35.7175	26.8623	8.901
317.000	13.4084	35.7080	26.8682	8.906
318.000	13.3361	35.6980	26.8753	8.906
319.000	13.2671	35.6886	26.8821	8.906
320.000	13.2539	35.6859	26.8828	8.906

321.000	13.2358	35.6832	26.8844	8.906	0.173
322.000	13.2062	35.6768	26.8855	8.899	0.176
323.000	13.1762	35.6722	26.8880	8.889	0.174
324.000	13.1482	35.6685	26.8909	8.876	0.168
325.000	13.1080	35.6618	26.8939	8.880	0.177
326.000	13.0304	35.6491	26.8997	8.892	0.184
327.000	12.9989	35.6452	26.9031	8.885	0.183
328.000	12.9921	35.6441	26.9036	8.881	0.180
329.000	12.9419	35.6343	26.9061	8.867	0.174
330.000	12.8753	35.6267	26.9136	8.851	0.181
331.000	12.8468	35.6228	26.9163	8.838	0.183
332.000	12.8292	35.6193	26.9171	8.833	0.181
333.000	12.8030	35.6156	26.9195	8.823	0.178
334.000	12.7775	35.6119	26.9217	8.828	0.183
335.000	12.7497	35.6066	26.9232	8.823	0.183
336.000	12.7432	35.6055	26.9237	8.818	0.194
337.000	12.7470	35.6051	26.9226	8.818	0.178
338.000	12.7417	35.6043	26.9231	8.818	0.188
339.000	12.7401	35.6039	26.9231	8.816	0.186
340.000	12.7381	35.6031	26.9229	8.813	0.183
341.000	12.7363	35.6032	26.9234	8.813	0.183
342.000	12.7299	35.6023	26.9240	8.808	0.178
343.000	12.7226	35.6007	26.9242	8.808	0.184
344.000	12.7189	35.6001	26.9246	8.806	0.188
345.000	12.7178	35.5999	26.9246	8.804	0.184
346.000	12.7152	35.5983	26.9239	8.803	0.188
347.000	12.7025	35.5972	26.9256	8.803	0.188
348.000	12.7019	35.5970	26.9256	8.803	0.188
349.000	12.6995	35.5964	26.9257	8.803	0.185
350.000	12.6909	35.5952	26.9265	8.799	0.193
351.000	12.6847	35.5951	26.9276	8.799	0.183
352.000	12.6946	35.5954	26.9259	8.794	0.183
353.000	12.6778	35.5934	26.9277	8.790	0.187
354.000	12.6732	35.5929	26.9283	8.789	0.188
355.000	12.6723	35.5927	26.9284	8.789	0.180
356.000	12.6694	35.5914	26.9279	8.793	0.180
357.000	12.6450	35.5874	26.9297	8.794	0.178
358.000	12.6147	35.5831	26.9324	8.794	0.189
359.000	12.5880	35.5799	26.9352	8.794	0.183
360.000	12.5882	35.5800	26.9353	8.794	0.189
361.000	12.5869	35.5800	26.9355	8.794	0.188
362.000	12.5974	35.5802	26.9336	8.791	0.191
363.000	12.5604	35.5749	26.9368	8.784	0.193
364.000	12.5495	35.5743	26.9386	8.784	0.188
365.000	12.5271	35.5694	26.9392	8.779	0.183
366.000	12.4861	35.5646	26.9435	8.779	0.188
367.000	12.4750	35.5630	26.9445	8.779	0.184
368.000	12.4184	35.5528	26.9477	8.784	0.188
369.000	12.3288	35.5406	26.9557	8.784	0.194
370.000	12.3097	35.5374	26.9569	8.777	0.193
371.000	12.2799	35.5337	26.9599	8.781	0.190
372.000	12.2589	35.5319	26.9626	8.784	0.193
373.000	12.2499	35.5284	26.9617	8.781	0.183
374.000	12.2124	35.5222	26.9641	8.778	0.189

375.000	12.1998	35.5208	26.9655	8.785	0.188
376.000	12.1976	35.5209	26.9660	8.786	0.183
377.000	12.2069	35.5199	26.9635	8.786	0.191
378.000	12.1840	35.5178	26.9663	8.789	0.181
379.000	12.1761	35.5155	26.9660	8.791	0.189
380.000	12.1427	35.5113	26.9693	8.794	0.182
381.000	12.1301	35.5081	26.9692	8.799	0.180
382.000	12.0889	35.5017	26.9722	8.805	0.183
383.000	12.0686	35.4989	26.9739	8.814	0.188
384.000	12.0592	35.4966	26.9740	8.821	0.196
385.000	12.0528	35.4950	26.9740	8.825	0.200
386.000	12.0453	35.4933	26.9742	8.828	0.195
387.000	12.0225	35.4900	26.9760	8.826	0.196
388.000	11.9722	35.4830	26.9802	8.794	0.191
389.000	11.9444	35.4806	26.9837	8.779	0.192
390.000	11.9331	35.4798	26.9852	8.772	0.183
391.000	11.9196	35.4777	26.9862	8.766	0.192
392.000	11.8873	35.4728	26.9885	8.764	0.199
393.000	11.8783	35.4722	26.9898	8.767	0.203
394.000	11.8609	35.4688	26.9905	8.756	0.218
396.000	11.8202	35.4630	26.9938	8.759	0.189
397.000	11.8189	35.4625	26.9936	8.759	0.202
398.000	11.8039	35.4597	26.9944	8.767	0.203
399.000	11.7940	35.4578	26.9948	8.764	0.197
400.000	11.7715	35.4540	26.9960	8.764	0.202
401.000	11.7395	35.4476	26.9972	8.769	0.198
402.000	11.7014	35.4431	27.0008	8.774	0.198
403.000	11.6636	35.4358	27.0023	8.785	0.199
404.000	11.5712	35.4236	27.0102	8.788	0.200
405.000	11.5513	35.4217	27.0124	8.715	0.202
406.000	11.5528	35.4208	27.0114	8.818	0.203
407.000	11.5482	35.4187	27.0107	8.781	0.200
408.000	11.5273	35.4174	27.0136	8.777	0.202
409.000	11.5100	35.4150	27.0150	8.774	0.205
410.000	11.5037	35.4141	27.0155	8.774	0.203
411.000	11.4958	35.4130	27.0162	8.769	0.189
412.000	11.4755	35.4101	27.0177	8.774	0.195
413.000	11.4655	35.4082	27.0181	8.779	0.201
414.000	11.4603	35.4075	27.0186	8.775	0.196
415.000	11.4583	35.4073	27.0188	8.774	0.203
416.000	11.4587	35.4074	27.0188	8.771	0.196
417.000	11.4586	35.4073	27.0188	8.769	0.198
418.000	11.4550	35.4068	27.0191	8.769	0.203
419.000	11.4326	35.4042	27.0212	8.760	0.205
420.000	11.4162	35.4019	27.0225	8.759	0.198
421.000	11.3815	35.3969	27.0250	8.759	0.198
422.000	11.3645	35.3947	27.0265	8.759	0.200
423.000	11.3404	35.3920	27.0289	8.757	0.206
424.000	11.3343	35.3909	27.0292	8.754	0.210
425.000	11.3192	35.3886	27.0302	8.760	0.218
426.000	11.3069	35.3870	27.0312	8.752	0.203
427.000	11.2990	35.3846	27.0308	8.752	0.205
428.000	11.2719	35.3819	27.0338	8.750	0.207
429.000	11.2282	35.3760	27.0372	8.750	0.208

430.000	11.2178	35.3746	27.0381	8.747	0.210
431.000	11.1701	35.3668	27.0407	8.742	0.204
432.000	11.1542	35.3667	27.0436	8.742	0.210
433.000	11.1478	35.3646	27.0431	8.742	0.213
434.000	11.1144	35.3594	27.0452	8.743	0.208
435.000	11.0271	35.3438	27.0490	8.750	0.202
436.000	10.9663	35.3410	27.0577	8.750	0.210
437.000	10.9539	35.3346	27.0550	8.750	0.205
438.000	10.9060	35.3292	27.0595	8.754	0.205
439.000	10.8907	35.3262	27.0599	8.755	0.210
440.000	10.7978	35.3116	27.0653	8.760	0.201
441.000	10.7690	35.3086	27.0681	8.759	0.213
443.000	10.7477	35.3058	27.0697	8.755	0.212
444.000	10.7484	35.3046	27.0687	8.747	0.197



Stn. 14a
92G10

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 03:39:40 GMT
 Lat: 27 45.409 N
 Lon: 91 45.187 W
 Stn: 14b

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
4.000	27.1665	35.2668	22.8677	8.818	0.248
5.000	27.1664	35.2663	22.8675	8.818	0.251
6.000	27.1688	35.2674	22.8676	8.818	0.270
7.000	27.1695	35.2680	22.8680	8.823	0.251
8.000	27.1718	35.2700	22.8688	8.811	0.256
9.000	27.1707	35.2702	22.8693	8.818	0.254
10.000	27.1661	35.2679	22.8692	8.812	0.257
11.000	27.1673	35.2719	22.8719	8.816	0.259
12.000	27.1678	35.2723	22.8721	8.816	0.241
13.000	27.1690	35.2794	22.8772	8.818	0.249
14.000	27.1856	35.3025	22.8893	8.818	0.243
15.000	27.1910	35.3197	22.9006	8.820	0.253
16.000	27.1938	35.3292	22.9069	8.821	0.259
17.000	27.1939	35.3334	22.9101	8.823	0.264
18.000	27.1946	35.3377	22.9132	8.823	0.275
19.000	27.1949	35.3411	22.9158	8.823	0.270
20.000	27.1952	35.3474	22.9205	8.825	0.264
21.000	27.1979	35.3592	22.9286	8.823	0.275
22.000	27.2018	35.3669	22.9332	8.823	0.282
23.000	27.2032	35.3694	22.9347	8.826	0.276
24.000	27.2039	35.3729	22.9372	8.825	0.282
25.000	27.2039	35.3750	22.9388	8.828	0.276
26.000	27.2044	35.3814	22.9436	8.828	0.283
27.000	27.2049	35.3858	22.9468	8.828	0.303
28.000	27.2078	35.3921	22.9507	8.825	0.298
29.000	27.2153	35.4037	22.9571	8.834	0.307
30.000	27.2230	35.4099	22.9594	8.830	0.303
31.000	27.2439	35.4211	22.9612	8.833	0.300
32.000	27.2777	35.4416	22.9659	8.833	0.315
33.000	27.3398	35.4827	22.9769	8.835	0.327
34.000	27.3821	35.5152	22.9878	8.833	0.338
35.000	27.3948	35.5277	22.9931	8.838	0.354
36.000	27.3889	35.5314	22.9979	8.838	0.360
37.000	27.3789	35.5334	23.0027	8.838	0.370
38.000	27.3748	35.5338	23.0044	8.838	0.396
39.000	27.3739	35.5343	23.0052	8.838	0.368
40.000	27.3679	35.5345	23.0073	8.835	0.363
41.000	27.3645	35.5355	23.0092	8.835	0.417
42.000	27.3622	35.5379	23.0118	8.833	0.429
43.000	27.3538	35.5420	23.0177	8.829	0.447
44.000	27.3373	35.5454	23.0257	8.828	0.485
45.000	27.2162	35.5920	23.0999	8.814	0.503
46.000	26.5268	35.8954	23.5486	8.803	0.592
47.000	26.0347	36.0591	23.8271	8.809	0.664
48.000	25.9055	36.0594	23.8678	8.808	0.663

49.000	25.7776	36.0693	23.9152	8.806	0.653
50.000	25.5273	36.0757	23.9977	8.803	0.694
51.000	25.0631	36.0720	24.1378	8.803	0.767
52.000	24.7629	36.1469	24.2857	8.791	0.914
53.000	24.6878	36.1569	24.3162	8.779	1.037
54.000	24.5691	36.1474	24.3450	8.788	1.077
55.000	24.3996	36.1118	24.3691	8.786	1.181
56.000	24.0776	36.0647	24.4298	8.784	1.193
57.000	23.7772	36.0421	24.5020	8.784	1.172
58.000	23.6961	36.0357	24.5211	8.778	1.178
59.000	23.5834	36.0157	24.5392	8.784	1.177
60.000	23.4931	36.0071	24.5592	8.789	1.190
61.000	23.4471	36.0027	24.5694	8.789	1.160
62.000	23.3219	35.9941	24.5996	8.794	1.165
63.000	23.0342	36.0205	24.7033	8.799	1.152
64.000	22.7040	36.0096	24.7902	8.812	1.102
65.000	22.4230	36.0161	24.8755	8.825	1.041
66.000	22.2842	36.0239	24.9210	8.828	0.956
67.000	22.1849	36.0442	24.9646	8.833	0.907
68.000	22.0328	36.0628	25.0217	8.840	0.899
69.000	21.9224	36.0761	25.0629	8.847	0.863
70.000	21.8459	36.0817	25.0887	8.850	0.835
71.000	21.7356	36.1044	25.1369	8.857	0.804
72.000	21.5789	36.1057	25.1816	8.857	0.735
73.000	21.5182	36.1179	25.2078	8.862	0.819
74.000	21.4025	36.1382	25.2554	8.862	0.710
75.000	21.2227	36.1534	25.3166	8.868	0.653
76.000	21.2042	36.1563	25.3239	8.864	0.657
77.000	21.1849	36.1626	25.3341	8.867	0.655
78.000	21.0767	36.1942	25.3879	8.867	0.612
79.000	21.0489	36.2442	25.4337	8.869	0.587
80.000	21.0471	36.2814	25.4626	8.872	0.566
81.000	21.0067	36.3124	25.4973	8.876	0.532
82.000	20.9395	36.3165	25.5188	8.877	0.511
83.000	20.9089	36.3281	25.5360	8.874	0.507
84.000	20.8559	36.3388	25.5587	8.879	0.496
85.000	20.8000	36.3615	25.5913	8.881	0.492
86.000	20.7405	36.3864	25.6265	8.886	0.474
87.000	20.8196	36.3525	25.5792	8.886	0.438
88.000	20.6918	36.4053	25.6542	8.886	0.445
89.000	20.7107	36.4215	25.6615	8.886	0.452
90.000	20.5713	36.4026	25.6849	8.886	0.452
91.000	20.4943	36.3832	25.6909	8.886	0.452
92.000	20.1034	36.3805	25.7936	8.882	0.442
93.000	20.0399	36.3887	25.8168	8.888	0.415
94.000	20.0116	36.3932	25.8278	8.886	0.417
95.000	19.9715	36.3996	25.8434	8.886	0.405
96.000	19.9957	36.4049	25.8410	8.891	0.405
97.000	20.0015	36.4000	25.8358	8.891	0.391
98.000	19.8354	36.4339	25.9057	8.891	0.368
99.000	19.8383	36.4341	25.9052	8.898	0.367
100.000	19.8017	36.4354	25.9158	8.892	0.371
101.000	19.8668	36.4159	25.8838	8.886	0.509
102.000	19.6359	36.4391	25.9624	8.884	0.390

103.000	19.5614	36.4487	25.9893	8.886	0.365
104.000	19.5340	36.4523	25.9993	8.886	0.344
105.000	19.5501	36.4530	25.9956	8.889	0.330
106.000	19.5169	36.4516	26.0033	8.889	0.339
107.000	19.5027	36.4532	26.0082	8.891	0.339
108.000	19.4624	36.4570	26.0217	8.891	0.333
109.000	19.4334	36.4589	26.0308	8.891	0.327
110.000	19.4133	36.4619	26.0384	8.889	0.317
111.000	19.3481	36.4611	26.0548	8.886	0.310
112.000	19.2890	36.4628	26.0715	8.889	0.302
113.000	19.2285	36.4641	26.0882	8.887	0.283
114.000	19.2273	36.4568	26.0830	8.886	0.283
115.000	19.1567	36.4648	26.1074	8.886	0.286
116.000	19.1544	36.4632	26.1068	8.886	0.283
117.000	19.1145	36.4645	26.1182	8.889	0.283
118.000	19.0792	36.4671	26.1293	8.896	0.285
119.000	19.0748	36.4676	26.1308	8.896	0.281
120.000	19.0482	36.4647	26.1356	8.894	0.270
121.000	18.9000	36.4578	26.1683	8.877	0.266
122.000	18.8179	36.4528	26.1856	8.866	0.272
123.000	18.7781	36.4509	26.1943	8.887	0.266
124.000	18.7594	36.4521	26.2001	8.895	0.258
125.000	18.7389	36.4528	26.2059	8.896	0.254
126.000	18.7087	36.4517	26.2128	8.907	0.250
127.000	18.6356	36.4460	26.2270	8.911	0.260
128.000	18.5895	36.4430	26.2365	8.917	0.255
129.000	18.5851	36.4421	26.2369	8.911	0.244
130.000	18.5903	36.4413	26.2351	8.915	0.246
131.000	18.5533	36.4382	26.2422	8.916	0.258
132.000	18.5262	36.4350	26.2466	8.916	0.243
133.000	18.4497	36.4290	26.2614	8.910	0.249
134.000	18.3956	36.4248	26.2718	8.911	0.240
135.000	18.3346	36.4180	26.2820	8.911	0.246
136.000	18.2710	36.4131	26.2942	8.907	0.239
137.000	18.2178	36.4112	26.3062	8.902	0.224
138.000	18.1992	36.4132	26.3123	8.905	0.218
139.000	18.1917	36.4074	26.3099	8.908	0.220
140.000	18.0923	36.4029	26.3313	8.911	0.229
141.000	18.1061	36.4035	26.3283	8.911	0.220
142.000	18.1072	36.4035	26.3281	8.902	0.213
143.000	18.1589	36.4048	26.3162	8.911	0.203
144.000	18.0973	36.4026	26.3299	8.911	0.216
145.000	18.0759	36.3993	26.3328	8.916	0.212
146.000	18.0688	36.3986	26.3341	8.916	0.217
147.000	18.0347	36.3961	26.3406	8.918	0.212
148.000	17.9494	36.3870	26.3549	8.921	0.200
149.000	17.9349	36.3855	26.3574	8.921	0.206
150.000	17.9267	36.3842	26.3585	8.921	0.203
151.000	17.8938	36.3794	26.3630	8.921	0.191
152.000	17.8102	36.3713	26.3774	8.921	0.195
153.000	17.7889	36.3684	26.3806	8.926	0.198
154.000	17.7475	36.3638	26.3872	8.923	0.205
155.000	17.6940	36.3589	26.3967	8.925	0.199
156.000	17.6679	36.3561	26.4010	8.928	0.188

157.000	17.6222	36.3508	26.4081	8.930	0.193
158.000	17.5423	36.3414	26.4205	8.930	0.207
159.000	17.4800	36.3352	26.4310	8.930	0.203
160.000	17.4733	36.3345	26.4321	8.930	0.190
161.000	17.4977	36.3398	26.4303	8.930	0.186
162.000	17.4546	36.3303	26.4335	8.930	0.183
163.000	17.4200	36.3249	26.4379	8.930	0.187
164.000	17.3762	36.3209	26.4455	8.930	0.181
165.000	17.3501	36.3186	26.4501	8.930	0.187
166.000	17.3590	36.3164	26.4463	8.930	0.181
167.000	17.2839	36.3072	26.4574	8.930	0.189
168.000	17.2224	36.3002	26.4670	8.930	0.188
169.000	17.2081	36.2982	26.4690	8.930	0.181
170.000	17.1420	36.2912	26.4795	8.930	0.174
171.000	17.0523	36.2790	26.4918	8.933	0.171
172.000	17.0301	36.2765	26.4951	8.935	0.171
173.000	16.9782	36.2654	26.4991	8.935	0.174
174.000	16.9628	36.2638	26.5016	8.935	0.180
175.000	16.9693	36.2649	26.5009	8.935	0.178
176.000	16.9473	36.2577	26.5007	8.935	0.176
177.000	16.8752	36.2506	26.5125	8.935	0.168
178.000	16.8695	36.2500	26.5134	8.935	0.177
179.000	16.8630	36.2486	26.5139	8.935	0.173
180.000	16.8558	36.2470	26.5144	8.935	0.176
181.000	16.7976	36.2379	26.5213	8.935	0.169
182.000	16.7767	36.2358	26.5247	8.935	0.173
183.000	16.7629	36.2343	26.5269	8.935	0.179
184.000	16.7458	36.2320	26.5292	8.935	0.170
185.000	16.7387	36.2300	26.5294	8.935	0.171
186.000	16.7055	36.2247	26.5332	8.935	0.171
187.000	16.6926	36.2233	26.5352	8.935	0.169
188.000	16.6927	36.2238	26.5356	8.935	0.168
189.000	16.7042	36.2226	26.5320	8.935	0.168
190.000	16.6885	36.2215	26.5349	8.935	0.168
191.000	16.6814	36.2205	26.5359	8.935	0.168
192.000	16.6607	36.2174	26.5384	8.935	0.168
193.000	16.6085	36.2117	26.5464	8.935	0.174
194.000	16.5904	36.2063	26.5465	8.935	0.159
195.000	16.5304	36.2001	26.5559	8.935	0.152
196.000	16.5116	36.1977	26.5585	8.935	0.154
197.000	16.4942	36.1960	26.5614	8.935	0.164
198.000	16.4929	36.1947	26.5607	8.935	0.164
199.000	16.4312	36.1858	26.5684	8.935	0.164
200.000	16.4210	36.1846	26.5699	8.935	0.164
201.000	16.4204	36.1852	26.5705	8.935	0.164
202.000	16.4293	36.1840	26.5676	8.935	0.164
203.000	16.3766	36.1770	26.5746	8.935	0.168
204.000	16.3448	36.1735	26.5793	8.935	0.164
205.000	16.3310	36.1709	26.5806	8.935	0.157
206.000	16.2924	36.1636	26.5839	8.931	0.161
207.000	16.2142	36.1541	26.5949	8.935	0.159
208.000	16.1307	36.1431	26.6058	8.935	0.165
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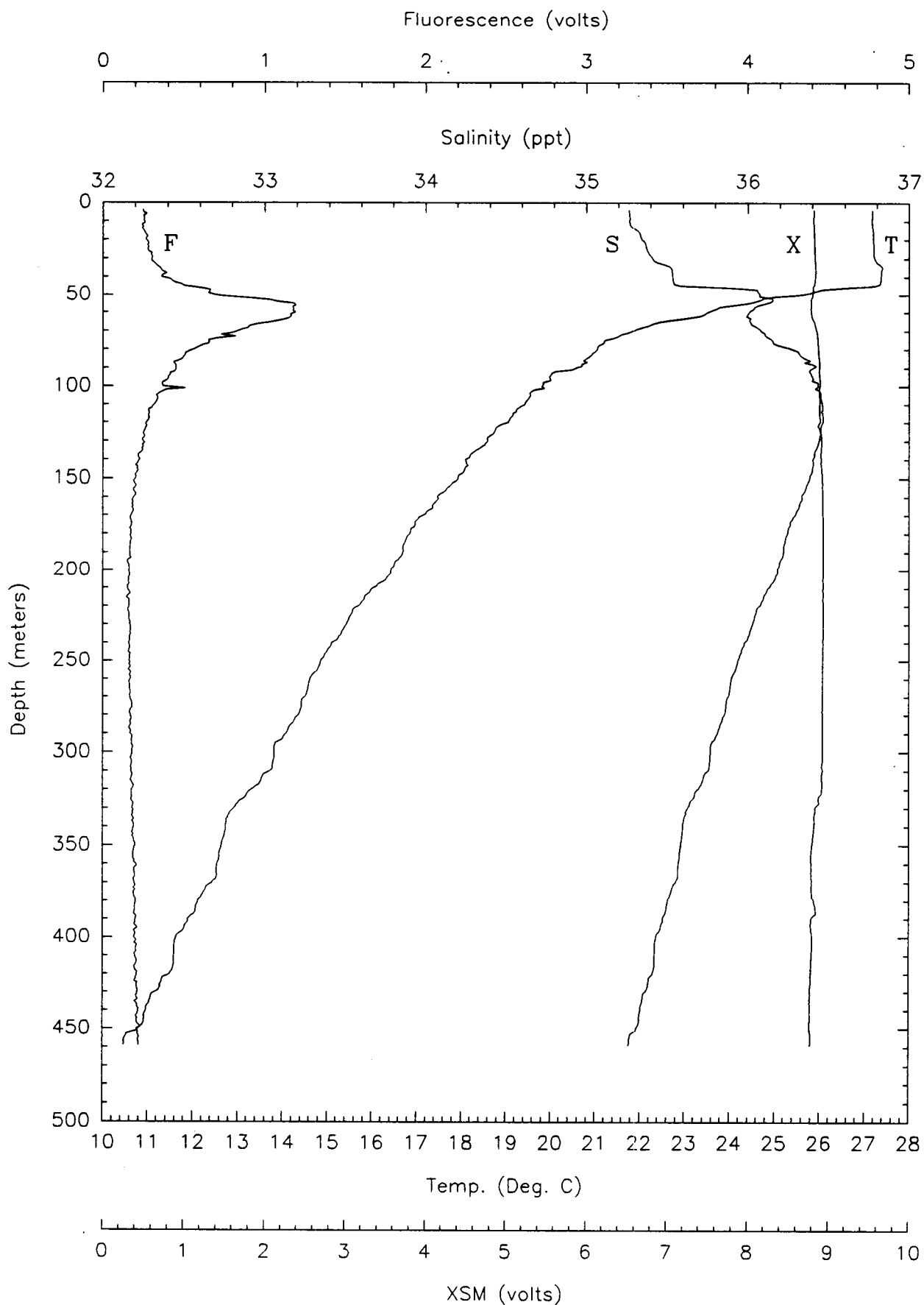
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214.000	15.8484	36.0992	26.6372	8.935	0.154
215.000	15.8388	36.1006	26.6405	8.935	0.149
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218.000	15.7659	36.0858	26.6458	8.935	0.164
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220.000	15.6835	36.0700	26.6525	8.935	0.164
221.000	15.6072	36.0597	26.6618	8.935	0.160
222.000	15.5680	36.0554	26.6674	8.935	0.154
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224.000	15.5598	36.0515	26.6664	8.935	0.165
225.000	15.5266	36.0465	26.6700	8.935	0.164
226.000	15.5066	36.0442	26.6728	8.935	0.164
227.000	15.4863	36.0417	26.6755	8.935	0.161
228.000	15.4727	36.0368	26.6748	8.935	0.164
229.000	15.4511	36.0345	26.6779	8.935	0.169
230.000	15.4337	36.0306	26.6789	8.935	0.168
231.000	15.3984	36.0244	26.6821	8.935	0.173
232.000	15.3748	36.0227	26.6861	8.935	0.173
233.000	15.3451	36.0175	26.6888	8.935	0.173
234.000	15.3287	36.0139	26.6897	8.935	0.169
235.000	15.3091	36.0120	26.6927	8.935	0.173
236.000	15.2734	36.0045	26.6949	8.935	0.168
237.000	15.2460	36.0024	26.6994	8.935	0.166
238.000	15.2346	36.0002	26.7003	8.935	0.166
239.000	15.1764	35.9901	26.7055	8.931	0.168
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241.000	15.0979	35.9796	26.7149	8.935	0.164
242.000	15.0740	35.9760	26.7174	8.935	0.168
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244.000	15.0068	35.9637	26.7229	8.930	0.163
245.000	14.9925	35.9627	26.7253	8.930	0.158
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250.000	14.8574	35.9399	26.7376	8.930	0.163
251.000	14.8448	35.9382	26.7391	8.930	0.171
252.000	14.8414	35.9367	26.7387	8.932	0.165
253.000	14.8243	35.9337	26.7402	8.930	0.173
254.000	14.8063	35.9312	26.7422	8.928	0.169
255.000	14.7876	35.9284	26.7442	8.930	0.159
256.000	14.7555	35.9219	26.7462	8.930	0.172
257.000	14.6890	35.9139	26.7546	8.930	0.173
258.000	14.6576	35.9078	26.7568	8.930	0.168
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261.000	14.6045	35.8988	26.7615	8.930	0.163
262.000	14.5907	35.8967	26.7629	8.930	0.164
263.000	14.5870	35.8960	26.7631	8.930	0.168
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266.000	14.5594	35.8910	26.7653	8.928	0.166
267.000	14.5513	35.8897	26.7661	8.926	0.173
268.000	14.5408	35.8882	26.7673	8.931	0.173
269.000	14.5309	35.8864	26.7681	8.930	0.168
270.000	14.4951	35.8793	26.7704	8.928	0.171
271.000	14.4480	35.8727	26.7755	8.928	0.169
272.000	14.4319	35.8704	26.7771	8.926	0.177
273.000	14.4224	35.8695	26.7786	8.926	0.183
274.000	14.4263	35.8686	26.7770	8.926	0.182
275.000	14.4240	35.8686	26.7776	8.926	0.183
276.000	14.4231	35.8685	26.7777	8.926	0.183
277.000	14.4024	35.8647	26.7793	8.932	0.171
278.000	14.3936	35.8639	26.7806	8.925	0.170
279.000	14.3776	35.8612	26.7820	8.926	0.168
280.000	14.3613	35.8580	26.7830	8.926	0.173
281.000	14.3035	35.8486	26.7882	8.926	0.173
282.000	14.2799	35.8471	26.7921	8.926	0.178
283.000	14.2628	35.8431	26.7927	8.926	0.172
284.000	14.2387	35.8389	26.7946	8.926	0.169
285.000	14.2035	35.8338	26.7982	8.926	0.174
286.000	14.1609	35.8278	26.8027	8.926	0.168
287.000	14.1421	35.8258	26.8052	8.926	0.164
288.000	14.1208	35.8201	26.8053	8.926	0.170
289.000	14.1120	35.8196	26.8068	8.926	0.176
290.000	14.0880	35.8150	26.8084	8.926	0.169
291.000	14.0454	35.8096	26.8132	8.926	0.182
292.000	14.0143	35.8043	26.8158	8.926	0.185
293.000	13.9953	35.8001	26.8166	8.926	0.178
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295.000	13.8438	35.7796	26.8326	8.926	0.182
296.000	13.8351	35.7748	26.8307	8.926	0.179
297.000	13.8201	35.7729	26.8324	8.926	0.187
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302.000	13.8132	35.7709	26.8325	8.926	0.178
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304.000	13.8079	35.7699	26.8329	8.926	0.176
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308.000	13.7704	35.7633	26.8358	8.919	0.172
309.000	13.7697	35.7639	26.8364	8.926	0.179
310.000	13.7207	35.7541	26.8390	8.926	0.176
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312.000	13.5793	35.7349	26.8536	8.918	0.185
313.000	13.5572	35.7320	26.8560	8.916	0.183
314.000	13.5336	35.7272	26.8572	8.918	0.178
315.000	13.5223	35.7255	26.8582	8.916	0.173
316.000	13.5028	35.7207	26.8586	8.921	0.179
317.000	13.4841	35.7175	26.8600	8.921	0.188
318.000	13.4146	35.7089	26.8676	8.921	0.192

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320.000	13.3003	35.6891	26.8758	8.916	0.179
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322.000	13.2140	35.6759	26.8832	8.916	0.178
323.000	13.1918	35.6747	26.8868	8.894	0.178
324.000	13.1749	35.6726	26.8886	8.884	0.183
325.000	13.1150	35.6602	26.8912	8.877	0.176
326.000	13.0406	35.6492	26.8977	8.877	0.178
327.000	13.0099	35.6451	26.9007	8.887	0.189
328.000	12.9773	35.6425	26.9053	8.867	0.186
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345.000	12.7062	35.5971	26.9248	8.807	0.183
346.000	12.6920	35.5952	26.9261	8.808	0.192
347.000	12.6776	35.5934	26.9276	8.808	0.193
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353.000	12.6073	35.5830	26.9336	8.794	0.193
354.000	12.5990	35.5825	26.9349	8.794	0.186
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358.000	12.5924	35.5804	26.9347	8.789	0.196
359.000	12.5639	35.5749	26.9360	8.789	0.195
360.000	12.5476	35.5731	26.9379	8.791	0.208
361.000	12.5439	35.5728	26.9384	8.789	0.212
362.000	12.5395	35.5717	26.9385	8.789	0.200
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364.000	12.5340	35.5709	26.9389	8.791	0.193
365.000	12.5349	35.5711	26.9390	8.788	0.199
366.000	12.5444	35.5720	26.9378	8.791	0.200
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368.000	12.5262	35.5692	26.9392	8.795	0.192
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370.000	12.4410	35.5567	26.9463	8.794	0.197
371.000	12.3793	35.5455	26.9497	8.798	0.200
372.000	12.3212	35.5406	26.9573	8.794	0.203

373.000	12.2967	35.5351	26.9578	8.794	0.191
374.000	12.2841	35.5334	26.9590	8.794	0.204
375.000	12.2567	35.5296	26.9613	8.794	0.192
376.000	12.2382	35.5267	26.9627	8.798	0.193
377.000	12.2067	35.5214	26.9647	8.799	0.193
378.000	12.1921	35.5185	26.9653	8.799	0.197
379.000	12.1449	35.5098	26.9676	8.818	0.207
380.000	12.1219	35.5082	26.9708	8.820	0.201
381.000	12.1154	35.5060	26.9705	8.823	0.206
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383.000	12.0739	35.4989	26.9729	8.841	0.200
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387.000	12.0303	35.4897	26.9743	8.842	0.193
388.000	11.9763	35.4844	26.9805	8.814	0.207
389.000	11.9363	35.4801	26.9848	8.798	0.208
390.000	11.8961	35.4759	26.9892	8.789	0.203
391.000	11.9044	35.4776	26.9890	8.787	0.203
392.000	11.8852	35.4734	26.9894	8.784	0.203
393.000	11.8397	35.4666	26.9927	8.778	0.197
394.000	11.8259	35.4654	26.9944	8.784	0.210
395.000	11.8188	35.4634	26.9943	8.784	0.213
396.000	11.7956	35.4589	26.9952	8.787	0.195
397.000	11.7559	35.4527	26.9979	8.791	0.198
398.000	11.6875	35.4420	27.0025	8.800	0.203
399.000	11.6493	35.4383	27.0068	8.799	0.200
400.000	11.6335	35.4363	27.0083	8.799	0.194
401.000	11.6224	35.4331	27.0079	8.797	0.205
402.000	11.6004	35.4299	27.0095	8.798	0.208
403.000	11.6005	35.4300	27.0096	8.799	0.196
404.000	11.6008	35.4290	27.0088	8.799	0.210
405.000	11.5962	35.4286	27.0094	8.799	0.210
406.000	11.5931	35.4278	27.0093	8.796	0.206
407.000	11.5922	35.4277	27.0095	8.799	0.205
408.000	11.5923	35.4275	27.0093	8.797	0.209
409.000	11.5897	35.4272	27.0096	8.794	0.197
410.000	11.5908	35.4272	27.0095	8.795	0.204
411.000	11.5895	35.4268	27.0094	8.793	0.202
412.000	11.5890	35.4269	27.0096	8.794	0.211
413.000	11.5888	35.4268	27.0096	8.791	0.212
414.000	11.5908	35.4269	27.0093	8.788	0.212
415.000	11.5860	35.4264	27.0098	8.789	0.207
416.000	11.5750	35.4256	27.0113	8.789	0.196
417.000	11.5716	35.4243	27.0109	8.789	0.198
418.000	11.5533	35.4212	27.0120	8.784	0.203
419.000	11.5222	35.4180	27.0153	8.784	0.217
420.000	11.4963	35.4145	27.0174	8.784	0.208
421.000	11.4578	35.4094	27.0207	8.777	0.214
422.000	11.3465	35.3925	27.0281	8.779	0.207
423.000	11.3288	35.3918	27.0309	8.779	0.205
424.000	11.3202	35.3900	27.0311	8.779	0.197
425.000	11.3032	35.3861	27.0312	8.783	0.216
426.000	11.2750	35.3832	27.0341	8.777	0.208

427.000	11.2888	35.3832	27.0316	8.773	0.210
429.000	11.2428	35.3769	27.0352	8.774	0.216
430.000	11.1680	35.3630	27.0381	8.774	0.217
431.000	11.0868	35.3557	27.0473	8.774	0.214
432.000	11.0833	35.3549	27.0473	8.773	0.208
433.000	11.0720	35.3527	27.0477	8.772	0.212
434.000	11.0632	35.3511	27.0480	8.769	0.217
435.000	11.0396	35.3488	27.0506	8.775	0.199
436.000	11.0418	35.3481	27.0496	8.771	0.212
437.000	10.9927	35.3407	27.0528	8.774	0.215
438.000	10.9793	35.3400	27.0547	8.772	0.215
439.000	10.9692	35.3380	27.0550	8.772	0.222
440.000	10.9712	35.3383	27.0549	8.772	0.220
441.000	10.9537	35.3354	27.0558	8.769	0.220
442.000	10.9359	35.3329	27.0571	8.769	0.217
443.000	10.9246	35.3314	27.0580	8.775	0.207
444.000	10.9262	35.3313	27.0576	8.772	0.213
445.000	10.9197	35.3306	27.0583	8.774	0.212
446.000	10.9173	35.3303	27.0585	8.769	0.212
447.000	10.9077	35.3288	27.0591	8.769	0.214
448.000	10.8832	35.3254	27.0609	8.769	0.225
449.000	10.8296	35.3173	27.0642	8.769	0.236
450.000	10.7913	35.3124	27.0673	8.769	0.210
451.000	10.7818	35.3107	27.0677	8.769	0.215
452.000	10.6310	35.2887	27.0773	8.773	0.221
453.000	10.5361	35.2776	27.0855	8.780	0.216
454.000	10.5239	35.2742	27.0850	8.780	0.223
455.000	10.4904	35.2700	27.0877	8.779	0.227
456.000	10.4801	35.2690	27.0887	8.779	0.216
457.000	10.4778	35.2684	27.0887	8.779	0.223
458.000	10.4808	35.2680	27.0878	8.779	0.222
459.000	10.4757	35.2666	27.0877	8.775	0.222



Stn. 14b
92G10

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 04:36:48 GMT
 Lat: 27 45.513 N
 Lon: 91 45.501 W
 Stn: 14c

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
4.000	27.1521	35.2754	22.8790	8.825	0.236
5.000	27.1517	35.2749	22.8787	8.825	0.259
6.000	27.1512	35.2736	22.8780	8.823	0.261
7.000	27.1530	35.2745	22.8782	8.828	0.251
8.000	27.1582	35.2773	22.8786	8.823	0.267
9.000	27.1607	35.2786	22.8789	8.828	0.245
10.000	27.1594	35.2780	22.8790	8.825	0.247
11.000	27.1647	35.2821	22.8804	8.825	0.247
12.000	27.1663	35.2828	22.8805	8.828	0.247
13.000	27.1700	35.2873	22.8828	8.819	0.245
14.000	27.1777	35.2986	22.8889	8.828	0.256
15.000	27.1777	35.2991	22.8894	8.822	0.262
16.000	27.1819	35.3058	22.8932	8.828	0.243
17.000	27.1916	35.3322	22.9099	8.833	0.245
18.000	27.1962	35.3466	22.9194	8.833	0.237
19.000	27.1967	35.3508	22.9225	8.829	0.251
20.000	27.1957	35.3579	22.9283	8.833	0.249
21.000	27.1955	35.3616	22.9311	8.833	0.251
22.000	27.1968	35.3647	22.9331	8.817	0.252
23.000	27.1957	35.3678	22.9359	8.823	0.266
24.000	27.1940	35.3713	22.9392	8.835	0.266
25.000	27.1938	35.3760	22.9429	8.836	0.279
26.000	27.1944	35.3822	22.9474	8.838	0.276
27.000	27.1922	35.3867	22.9515	8.835	0.267
28.000	27.1944	35.3905	22.9538	8.841	0.271
29.000	27.1966	35.3946	22.9563	8.837	0.282
30.000	27.1970	35.3977	22.9585	8.838	0.309
31.000	27.1980	35.4038	22.9629	8.840	0.273
32.000	27.2031	35.4096	22.9657	8.834	0.286
33.000	27.2184	35.4212	22.9696	8.842	0.305
34.000	27.2433	35.4360	22.9728	8.842	0.312
35.000	27.2708	35.4502	22.9748	8.838	0.310
36.000	27.3275	35.4849	22.9827	8.850	0.333
37.000	27.3673	35.5154	22.9929	8.847	0.364
38.000	27.3779	35.5269	22.9982	8.847	0.368
39.000	27.3769	35.5301	23.0010	8.847	0.356
40.000	27.3706	35.5287	23.0020	8.847	0.354
41.000	27.3664	35.5338	23.0074	8.840	0.369
42.000	27.3588	35.5359	23.0115	8.838	0.378
43.000	27.3467	35.5389	23.0177	8.838	0.385
44.000	27.3448	35.5398	23.0191	8.833	0.415
45.000	27.3315	35.5425	23.0254	8.835	0.429
46.000	27.2357	35.5867	23.0896	8.822	0.449
47.000	26.7492	35.8077	23.4119	8.810	0.543
48.000	26.5619	35.8777	23.5242	8.818	0.596

49.000	26.1210	36.0088	23.7621	8.823	0.626
50.000	25.8019	36.0685	23.9071	8.817	0.616
51.000	25.5805	36.1130	24.0095	8.818	0.682
52.000	25.3737	36.0987	24.0625	8.816	0.785
53.000	25.0467	36.1433	24.1967	8.808	0.833
54.000	24.8142	36.1624	24.2821	8.800	0.933
55.000	24.6251	36.1552	24.3339	8.793	1.064
56.000	24.5399	36.1474	24.3539	8.783	1.061
57.000	24.3182	36.1144	24.3956	8.782	1.105
58.000	24.0296	36.0882	24.4621	8.789	1.142
59.000	23.6812	36.0352	24.5251	8.796	1.215
60.000	23.5098	36.0208	24.5647	8.798	1.140
61.000	23.4445	36.0150	24.5795	8.795	1.399
62.000	23.2420	36.0053	24.6313	8.800	1.380
63.000	23.0478	36.0093	24.6908	8.803	1.250
64.000	22.7144	36.0110	24.7883	8.818	1.127
65.000	22.4640	36.0197	24.8666	8.821	1.009
66.000	22.2805	36.0137	24.9143	8.840	0.910
67.000	21.9565	36.0529	25.0356	8.848	0.875
68.000	21.8378	36.0794	25.0891	8.852	0.840
69.000	21.7468	36.0877	25.1210	8.863	0.793
70.000	21.5887	36.1082	25.1806	8.865	0.864
71.000	21.2583	36.1540	25.3070	8.867	0.719
72.000	21.2053	36.1646	25.3297	8.870	0.651
73.000	21.1292	36.1780	25.3609	8.877	0.609
74.000	21.0782	36.2003	25.3920	8.877	0.613
75.000	21.0467	36.2118	25.4094	8.877	0.608
76.000	21.0312	36.2277	25.4258	8.873	0.590
77.000	21.0134	36.2615	25.4564	8.874	0.600
78.000	21.0590	36.3173	25.4865	8.880	0.566
79.000	21.0537	36.3190	25.4893	8.880	0.569
80.000	20.9857	36.3083	25.4998	8.873	0.557
81.000	20.8912	36.3221	25.5362	8.879	0.522
82.000	20.8689	36.3289	25.5475	8.886	0.516
83.000	20.8497	36.3358	25.5581	8.884	0.513
84.000	20.7978	36.3645	25.5941	8.881	0.480
85.000	20.7384	36.3932	25.6322	8.889	0.488
86.000	20.7322	36.4142	25.6499	8.891	0.491
87.000	20.7331	36.3993	25.6384	8.893	0.473
88.000	20.3589	36.3792	25.7241	8.889	0.456
89.000	20.1870	36.3821	25.7724	8.891	0.452
90.000	20.0936	36.3846	25.7992	8.891	0.491
91.000	20.1938	36.3793	25.7685	8.888	0.446
92.000	20.0101	36.3942	25.8289	8.891	0.414
93.000	19.9524	36.4055	25.8528	8.896	0.417
94.000	19.9338	36.4129	25.8634	8.896	0.407
95.000	19.8962	36.4232	25.8813	8.894	0.403
96.000	19.8753	36.4263	25.8893	8.896	0.395
97.000	19.8718	36.4284	25.8919	8.896	0.404
98.000	19.8406	36.4334	25.9040	8.899	0.394
99.000	19.8137	36.4348	25.9122	8.901	0.390
100.000	19.7664	36.4359	25.9256	8.898	0.382
101.000	19.6982	36.4354	25.9432	8.894	0.376
102.000	19.6469	36.4404	25.9605	8.891	0.383

103.000	19.5907	36.4474	25.9806	8.890	0.378
104.000	19.5521	36.4496	25.9925	8.891	0.368
105.000	19.5318	36.4507	25.9987	8.894	0.345
106.000	19.5178	36.4528	26.0039	8.894	0.336
107.000	19.4997	36.4544	26.0100	8.896	0.322
108.000	19.4735	36.4575	26.0192	8.894	0.318
109.000	19.4631	36.4595	26.0235	8.896	0.325
110.000	19.4395	36.4589	26.0293	8.896	0.313
111.000	19.4145	36.4609	26.0374	8.896	0.308
112.000	19.3831	36.4613	26.0459	8.894	0.302
113.000	19.3352	36.4618	26.0588	8.892	0.306
114.000	19.2787	36.4604	26.0724	8.886	0.300
115.000	19.2170	36.4593	26.0876	8.882	0.291
116.000	19.1686	36.4613	26.1017	8.879	0.291
117.000	19.1423	36.4637	26.1104	8.882	0.316
118.000	19.1690	36.4613	26.1017	8.892	0.282
119.000	19.0656	36.4688	26.1342	8.903	0.274
120.000	19.0258	36.4666	26.1428	8.885	0.273
121.000	19.0063	36.4624	26.1446	8.882	0.278
122.000	18.9513	36.4622	26.1586	8.879	0.263
123.000	18.9363	36.4609	26.1615	8.881	0.266
124.000	18.9042	36.4604	26.1694	8.877	0.266
125.000	18.8645	36.4527	26.1738	8.862	0.263
126.000	18.8040	36.4552	26.1912	8.885	0.261
127.000	18.8182	36.4577	26.1895	8.889	0.264
128.000	18.7861	36.4566	26.1969	8.901	0.254
129.000	18.6879	36.4525	26.2188	8.911	0.246
130.000	18.6307	36.4504	26.2318	8.916	0.255
131.000	18.5869	36.4439	26.2380	8.916	0.251
132.000	18.5573	36.4432	26.2449	8.918	0.247
133.000	18.5195	36.4385	26.2510	8.918	0.233
134.000	18.4108	36.4251	26.2682	8.921	0.248
135.000	18.2862	36.4215	26.2969	8.907	0.233
136.000	18.2880	36.4193	26.2947	8.906	0.226
137.000	18.2419	36.4135	26.3019	8.906	0.227
138.000	18.2234	36.4107	26.3044	8.906	0.221
139.000	18.2155	36.4113	26.3068	8.909	0.233
140.000	18.2506	36.4123	26.2989	8.911	0.229
141.000	18.1986	36.4079	26.3086	8.906	0.237
142.000	18.1364	36.4021	26.3197	8.903	0.226
143.000	18.0698	36.3990	26.3340	8.901	0.222
144.000	18.0635	36.4011	26.3372	8.903	0.209
145.000	18.0187	36.3956	26.3442	8.912	0.210
146.000	17.9706	36.3912	26.3528	8.916	0.203
147.000	17.9432	36.3887	26.3577	8.918	0.203
148.000	17.9234	36.3861	26.3607	8.918	0.203
149.000	17.8909	36.3826	26.3661	8.923	0.203
150.000	17.8642	36.3796	26.3704	8.925	0.195
151.000	17.8087	36.3738	26.3797	8.926	0.202
152.000	17.7811	36.3709	26.3843	8.923	0.188
153.000	17.7513	36.3680	26.3894	8.925	0.188
154.000	17.7208	36.3647	26.3945	8.926	0.193
155.000	17.6828	36.3610	26.4011	8.926	0.187
156.000	17.6569	36.3585	26.4055	8.926	0.181

157.000	17.6722	36.3580	26.4014	8.927	0.188
158.000	17.5846	36.3493	26.4162	8.926	0.188
159.000	17.5473	36.3458	26.4227	8.928	0.188
160.000	17.5164	36.3401	26.4259	8.928	0.186
161.000	17.4853	36.3366	26.4309	8.930	0.188
162.000	17.4531	36.3342	26.4369	8.930	0.183
163.000	17.3946	36.3214	26.4413	8.924	0.183
164.000	17.2726	36.3092	26.4615	8.928	0.188
165.000	17.2524	36.3064	26.4644	8.925	0.188
166.000	17.2360	36.3045	26.4669	8.926	0.194
167.000	17.2176	36.3003	26.4681	8.926	0.178
168.000	17.1301	36.2898	26.4812	8.930	0.183
169.000	17.0507	36.2792	26.4922	8.928	0.181
170.000	17.0131	36.2749	26.4979	8.930	0.174
171.000	17.0148	36.2751	26.4977	8.930	0.170
172.000	17.0116	36.2730	26.4969	8.930	0.173
173.000	16.9770	36.2673	26.5008	8.930	0.168
174.000	16.9594	36.2651	26.5034	8.930	0.162
175.000	16.9527	36.2642	26.5044	8.930	0.172
176.000	16.9836	36.2664	26.4987	8.930	0.172
177.000	16.9159	36.2566	26.5074	8.930	0.173
178.000	16.8491	36.2494	26.5178	8.930	0.173
179.000	16.8202	36.2441	26.5207	8.928	0.166
180.000	16.8073	36.2424	26.5224	8.930	0.166
181.000	16.7823	36.2372	26.5245	8.933	0.164
182.000	16.7452	36.2335	26.5304	8.936	0.158
183.000	16.7432	36.2330	26.5305	8.929	0.167
184.000	16.7389	36.2317	26.5306	8.930	0.166
185.000	16.7261	36.2297	26.5321	8.930	0.161
186.000	16.7216	36.2288	26.5326	8.930	0.161
187.000	16.7149	36.2276	26.5332	8.930	0.163
188.000	16.7089	36.2267	26.5340	8.930	0.164
189.000	16.6914	36.2237	26.5359	8.930	0.172
190.000	16.6459	36.2169	26.5414	8.930	0.168
191.000	16.6142	36.2130	26.5460	8.930	0.154
192.000	16.5932	36.2109	26.5493	8.930	0.158
193.000	16.5658	36.2069	26.5527	8.930	0.164
194.000	16.5446	36.2046	26.5560	8.929	0.160
195.000	16.5218	36.2002	26.5581	8.930	0.159
196.000	16.5054	36.1983	26.5604	8.930	0.164
197.000	16.4984	36.1975	26.5615	8.930	0.164
198.000	16.4831	36.1945	26.5629	8.927	0.162
199.000	16.4576	36.1907	26.5660	8.930	0.168
200.000	16.4336	36.1869	26.5687	8.926	0.168
201.000	16.3934	36.1820	26.5743	8.928	0.168
202.000	16.3785	36.1794	26.5759	8.926	0.160
203.000	16.3516	36.1761	26.5796	8.926	0.154
204.000	16.3246	36.1716	26.5825	8.926	0.152
205.000	16.3033	36.1682	26.5849	8.930	0.145
206.000	16.2333	36.1615	26.5961	8.928	0.155
207.000	16.1730	36.1472	26.5991	8.925	0.164
208.000	16.0773	36.1350	26.6119	8.926	0.156
209.000	15.9456	36.1150	26.6268	8.926	0.154
210.000	15.9039	36.1129	26.6348	8.926	0.162

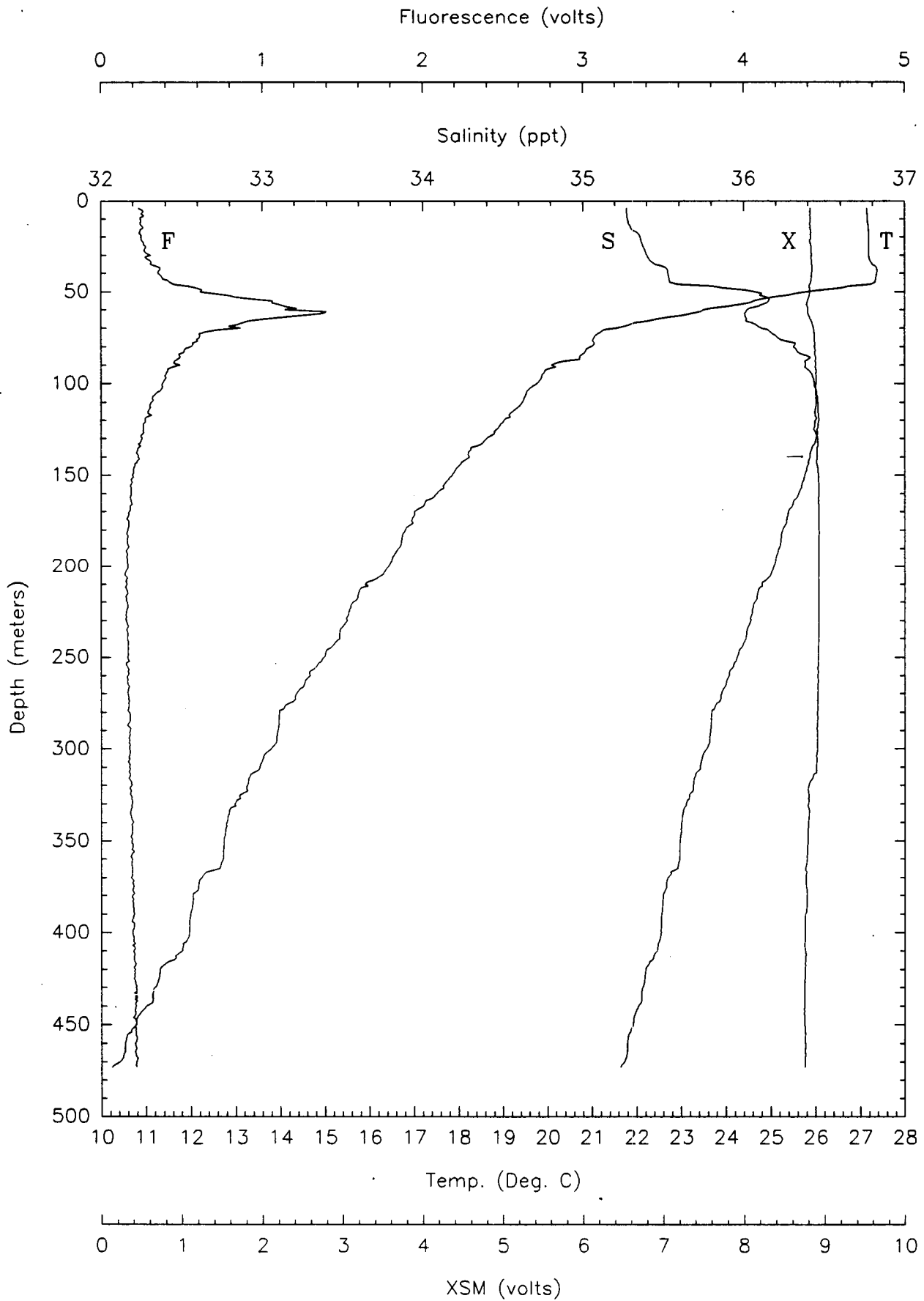
211.000	15.9799	36.1158	26.6197	8.9226
212.000	15.8176	36.0948	26.6407	8.9226
213.000	15.7816	36.0902	26.6454	8.9226
214.000	15.7617	36.0867	26.6473	8.9226
215.000	15.7577	36.0841	26.6463	8.9226
216.000	15.7377	36.0814	26.6488	8.9226
217.000	15.7389	36.0813	26.6485	8.9226
218.000	15.7280	36.0802	26.6501	8.9226
219.000	15.6916	36.0722	26.6523	8.9226
220.000	15.6371	36.0657	26.6596	8.9226
221.000	15.5971	36.0601	26.6645	8.9226
222.000	15.5799	36.0590	26.6675	8.9226
223.000	15.5782	36.0569	26.6663	8.9226
224.000	15.5565	36.0531	26.6683	8.9226
225.000	15.5405	36.0503	26.6699	8.9226
226.000	15.5403	36.0532	26.6722	8.9226
227.000	15.5226	36.0466	26.6711	8.9226
228.000	15.4995	36.0433	26.6738	8.9226
229.000	15.4868	36.0412	26.6751	8.9226
230.000	15.4997	36.0435	26.6739	8.9226
231.000	15.4640	36.0357	26.6761	8.9226
232.000	15.4449	36.0336	26.6788	8.9226
233.000	15.4053	36.0290	26.6842	8.9226
234.000	15.3650	36.0214	26.6874	8.9226
235.000	15.3460	36.0188	26.6897	8.9226
236.000	15.3370	36.0172	26.6905	8.9226
237.000	15.3360	36.0166	26.6903	8.9226
238.000	15.3302	36.0153	26.6906	8.9226
239.000	15.3204	36.0138	26.6917	8.9226
240.000	15.3322	36.0137	26.6890	8.9224
241.000	15.2840	36.0064	26.6941	8.9226
242.000	15.2399	36.0014	26.7002	8.9223
243.000	15.2119	35.9967	26.7028	8.9223
244.000	15.1679	35.9927	26.7096	8.9225
245.000	15.1097	35.9810	26.7135	8.9223
246.000	15.0480	35.9718	26.7201	8.9225
247.000	15.0239	35.9693	26.7235	8.9221
248.000	15.0167	35.9670	26.7234	8.9221
249.000	15.0102	35.9640	26.7225	8.9221
250.000	14.9673	35.9578	26.7273	8.9221
251.000	14.9337	35.9531	26.7311	8.9221
252.000	14.9246	35.9512	26.7316	8.9199
253.000	14.8689	35.9420	26.7369	8.9220
254.000	14.8366	35.9372	26.7403	8.9221
255.000	14.8167	35.9344	26.7424	8.9221
256.000	14.7744	35.9273	26.7463	8.9133
257.000	14.7106	35.9143	26.7502	8.9166
258.000	14.6479	35.9086	26.7595	8.9221
259.000	14.6512	35.9088	26.7589	8.9166
260.000	14.6704	35.9088	26.7548	8.9166
261.000	14.6134	35.9007	26.7610	8.9166
262.000	14.5822	35.8962	26.7643	8.9166
263.000	14.5584	35.8929	26.7669	8.9221
264.000	14.5498	35.8910	26.7673	8.9166

265.000	14.5342	35.8884	26.7687	8.916	0.166
266.000	14.5166	35.8841	26.7693	8.916	0.174
267.000	14.4411	35.8730	26.7770	8.916	0.171
268.000	14.4103	35.8686	26.7802	8.916	0.171
269.000	14.3780	35.8626	26.7826	8.916	0.164
270.000	14.3608	35.8610	26.7851	8.916	0.166
271.000	14.3453	35.8572	26.7856	8.916	0.168
272.000	14.3310	35.8554	26.7872	8.916	0.172
273.000	14.3343	35.8562	26.7872	8.914	0.171
274.000	14.2936	35.8512	26.7921	8.913	0.176
275.000	14.1903	35.8318	26.7991	8.916	0.170
276.000	14.1185	35.8230	26.8076	8.911	0.173
277.000	14.0936	35.8196	26.8103	8.915	0.173
278.000	14.0697	35.8136	26.8108	8.914	0.170
279.000	13.9797	35.8000	26.8194	8.911	0.164
280.000	13.9796	35.8002	26.8195	8.913	0.176
281.000	13.9769	35.7986	26.8189	8.913	0.178
282.000	13.9674	35.7975	26.8201	8.913	0.178
283.000	13.9630	35.7965	26.8202	8.916	0.178
284.000	13.9641	35.7963	26.8199	8.911	0.178
285.000	13.9618	35.7960	26.8202	8.911	0.178
286.000	13.9605	35.7959	26.8204	8.911	0.167
287.000	13.9653	35.7967	26.8200	8.913	0.164
288.000	13.9561	35.7945	26.8203	8.911	0.174
289.000	13.9503	35.7938	26.8210	8.901	0.183
290.000	13.9465	35.7929	26.8212	8.912	0.183
291.000	13.9374	35.7911	26.8217	8.911	0.174
292.000	13.9262	35.7897	26.8230	8.911	0.178
293.000	13.9200	35.7888	26.8236	8.911	0.176
294.000	13.9151	35.7879	26.8240	8.911	0.173
295.000	13.9169	35.7877	26.8236	8.911	0.175
296.000	13.9095	35.7865	26.8242	8.909	0.174
297.000	13.8980	35.7849	26.8254	8.911	0.173
298.000	13.8615	35.7792	26.8287	8.908	0.178
299.000	13.8319	35.7747	26.8314	8.911	0.176
300.000	13.7987	35.7695	26.8344	8.911	0.176
301.000	13.7408	35.7598	26.8390	8.911	0.180
302.000	13.6893	35.7525	26.8441	8.906	0.178
303.000	13.6391	35.7451	26.8489	8.900	0.178
304.000	13.6285	35.7427	26.8492	8.901	0.173
305.000	13.6215	35.7414	26.8497	8.901	0.173
306.000	13.6031	35.7376	26.8506	8.904	0.176
307.000	13.5864	35.7353	26.8523	8.901	0.168
308.000	13.5645	35.7318	26.8542	8.898	0.175
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310.000	13.5397	35.7275	26.8560	8.894	0.176
311.000	13.5279	35.7269	26.8581	8.896	0.178
312.000	13.4832	35.7173	26.8599	8.899	0.175
313.000	13.3960	35.7044	26.8678	8.896	0.173
314.000	13.3406	35.7001	26.8758	8.862	0.181
315.000	13.3218	35.6975	26.8777	8.860	0.178
316.000	13.2908	35.6894	26.8778	8.851	0.173
317.000	13.2839	35.6892	26.8791	8.831	0.178
318.000	13.2769	35.6884	26.8799	8.815	0.187

319.000	13.2776	35.6870	26.8787	8.811	0.188
320.000	13.2551	35.6846	26.8815	8.804	0.192
321.000	13.2439	35.6829	26.8825	8.799	0.180
322.000	13.2399	35.6825	26.8830	8.790	0.178
323.000	13.2686	35.6847	26.8789	8.792	0.186
324.000	13.1751	35.6679	26.8850	8.799	0.183
325.000	13.0937	35.6615	26.8965	8.804	0.183
326.000	13.0913	35.6597	26.8956	8.803	0.189
327.000	13.0995	35.6599	26.8941	8.799	0.188
328.000	13.0214	35.6484	26.9011	8.805	0.194
329.000	13.0131	35.6468	26.9015	8.801	0.193
330.000	12.9772	35.6397	26.9032	8.799	0.193
331.000	13.0029	35.6395	26.8980	8.789	0.188
332.000	12.8890	35.6277	26.9117	8.797	0.191
333.000	12.8657	35.6240	26.9135	8.803	0.184
334.000	12.8516	35.6224	26.9151	8.809	0.183
335.000	12.8598	35.6209	26.9123	8.804	0.183
336.000	12.8407	35.6192	26.9149	8.803	0.183
337.000	12.8264	35.6170	26.9160	8.803	0.188
338.000	12.8196	35.6161	26.9168	8.803	0.188
339.000	12.8182	35.6152	26.9163	8.799	0.193
340.000	12.7965	35.6122	26.9183	8.799	0.198
341.000	12.7904	35.6113	26.9190	8.796	0.191
342.000	12.8003	35.6128	26.9181	8.796	0.193
343.000	12.7832	35.6099	26.9193	8.793	0.193
344.000	12.7778	35.6091	26.9198	8.794	0.193
345.000	12.7740	35.6084	26.9200	8.794	0.189
346.000	12.7719	35.6082	26.9204	8.794	0.194
347.000	12.7651	35.6065	26.9204	8.794	0.186
348.000	12.7536	35.6043	26.9210	8.794	0.184
349.000	12.7381	35.6026	26.9228	8.794	0.193
350.000	12.7415	35.6025	26.9221	8.794	0.190
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352.000	12.7331	35.6015	26.9230	8.788	0.199
353.000	12.7335	35.6014	26.9229	8.789	0.193
354.000	12.7314	35.6011	26.9231	8.786	0.197
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356.000	12.7282	35.6006	26.9234	8.783	0.206
357.000	12.7250	35.5999	26.9236	8.784	0.194
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365.000	12.6538	35.5880	26.9286	8.764	0.195
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367.000	12.3379	35.5420	26.9550	8.777	0.195
368.000	12.2963	35.5461	26.9662	8.770	0.191
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370.000	12.2461	35.5274	26.9616	8.766	0.184
371.000	12.2092	35.5237	26.9658	8.770	0.194
372.000	12.1789	35.5196	26.9685	8.769	0.203

373.000	12.1793	35.5189	26.9679	8.769
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376.000	12.1733	35.5181	26.9686	8.773
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412.000	11.6893	35.4419	27.0025	8.766
413.000	11.6460	35.4385	27.0080	8.764
414.000	11.6676	35.4376	27.0032	8.763
415.000	11.6219	35.4325	27.0079	8.764
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417.000	11.4378	35.4097	27.0245	8.759
418.000	11.3804	35.4025	27.0295	8.761
419.000	11.3307	35.3915	27.0302	8.757
420.000	11.3101	35.3890	27.0321	8.755
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422.000	11.3090	35.3863	27.0302	8.755
423.000	11.2914	35.3855	27.0328	8.755
424.000	11.2901	35.3852	27.0329	8.755
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426.000	11.2678	35.3812	27.0339	8.752

427.000	11.2643	35.3811	27.0345	8.754	0.212
428.000	11.2420	35.3776	27.0359	8.752	0.210
429.000	11.2263	35.3766	27.0381	8.752	0.217
430.000	11.1845	35.3684	27.0393	8.750	0.215
431.000	11.1543	35.3660	27.0430	8.750	0.218
432.000	11.1469	35.3647	27.0434	8.750	0.220
433.000	11.1449	35.3642	27.0433	8.750	
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435.000	11.1430	35.3632	27.0429	8.750	
436.000	11.1452	35.3634	27.0427	8.750	
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441.000	10.9767	35.3388	27.0543	8.750	0.210
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451.000	10.7489	35.3063	27.0701	8.755	0.207
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453.000	10.6662	35.2965	27.0772	8.757	0.210
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455.000	10.5930	35.2840	27.0805	8.761	0.215
456.000	10.5698	35.2818	27.0829	8.762	0.215
457.000	10.5600	35.2801	27.0833	8.759	0.222
458.000	10.5456	35.2789	27.0849	8.759	0.217
459.000	10.5463	35.2780	27.0841	8.759	0.217
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461.000	10.5205	35.2745	27.0860	8.762	0.212
462.000	10.5211	35.2743	27.0858	8.762	0.214
463.000	10.5201	35.2739	27.0856	8.760	0.217
464.000	10.5229	35.2742	27.0854	8.759	0.212
465.000	10.5210	35.2738	27.0854	8.759	0.208
466.000	10.4977	35.2714	27.0877	8.762	0.215
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469.000	10.4537	35.2640	27.0897	8.759	0.223
470.000	10.4036	35.2564	27.0926	8.758	0.219
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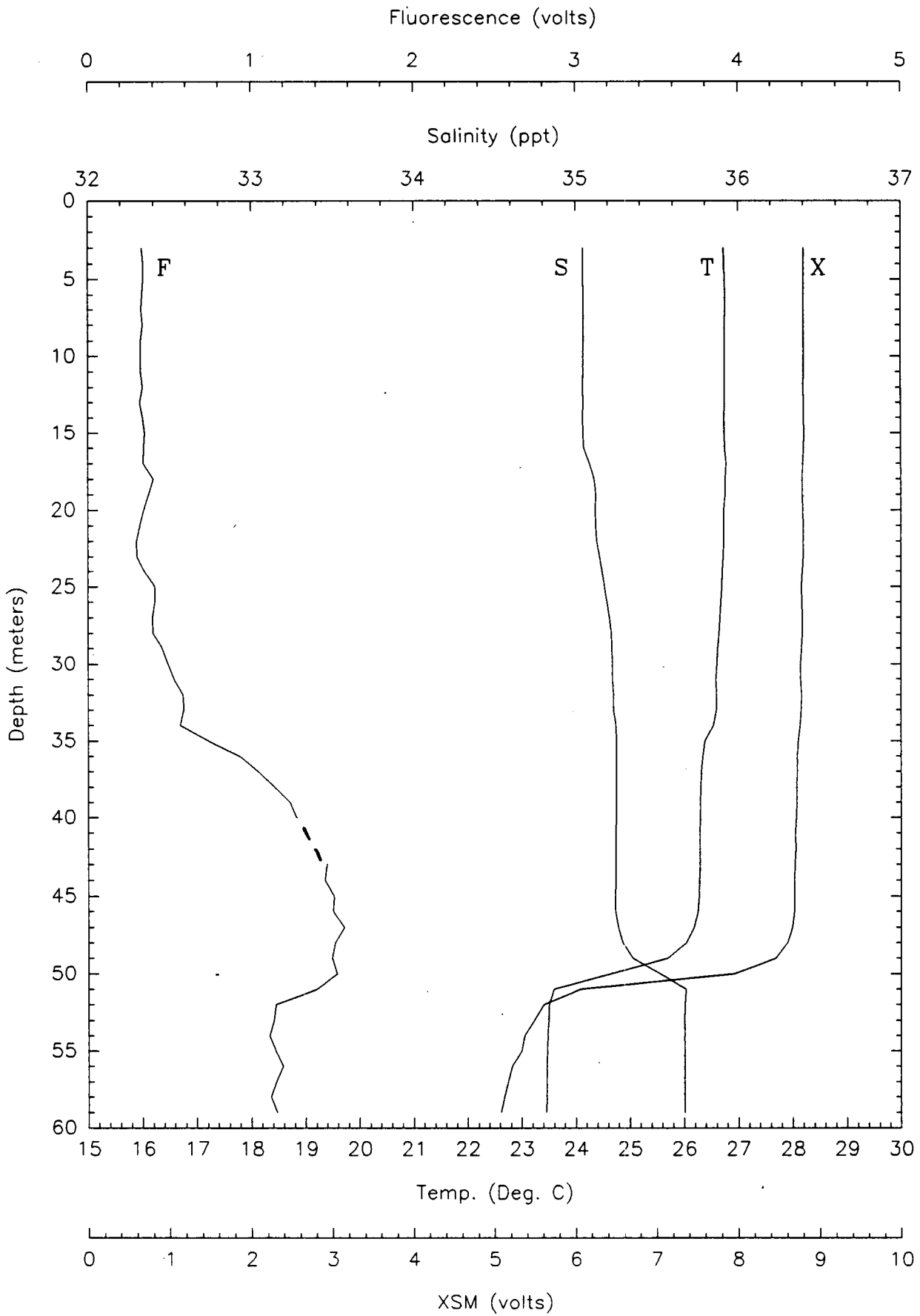


Stn. 14c
92G10

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 09:15:07 GMT
 Lat: 28 18.917 N
 Lon: 91 36.042 W
 Stn: 15

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	26.7374	35.0485	22.8402	8.803	0.331
4.000	26.7494	35.0489	22.8367	8.803	0.340
5.000	26.7576	35.0501	22.8351	8.803	0.339
6.000	26.7591	35.0505	22.8350	8.803	0.334
7.000	26.7629	35.0520	22.8350	8.801	0.326
8.000	26.7585	35.0512	22.8358	8.803	0.335
9.000	26.7560	35.0505	22.8362	8.805	0.323
10.000	26.7579	35.0499	22.8352	8.803	0.325
11.000	26.7532	35.0476	22.8351	8.806	0.325
12.000	26.7520	35.0465	22.8347	8.799	0.337
13.000	26.7535	35.0477	22.8352	8.804	0.319
14.000	26.7480	35.0459	22.8357	8.801	0.336
15.000	26.7491	35.0468	22.8360	8.808	0.349
16.000	26.7555	35.0523	22.8382	8.802	0.341
17.000	26.7796	35.0866	22.8565	8.793	0.339
18.000	26.7671	35.1168	22.8833	8.788	0.402
19.000	26.7592	35.1260	22.8928	8.789	0.373
20.000	26.7407	35.1235	22.8969	8.794	0.342
21.000	26.7348	35.1244	22.8995	8.796	0.318
22.000	26.7347	35.1310	22.9046	8.799	0.298
23.000	26.7252	35.1480	22.9205	8.799	0.300
24.000	26.7072	35.1639	22.9383	8.784	0.345
25.000	26.7002	35.1793	22.9522	8.775	0.410
26.000	26.6809	35.1940	22.9694	8.779	0.410
27.000	26.6646	35.2078	22.9850	8.789	0.396
28.000	26.6470	35.2211	23.0007	8.786	0.398
29.000	26.6180	35.2253	23.0131	8.774	0.453
30.000	26.6037	35.2254	23.0178	8.764	0.490
31.000	26.5898	35.2276	23.0239	8.764	0.525
32.000	26.5961	35.2335	23.0264	8.774	0.583
33.000	26.5970	35.2341	23.0267	8.766	0.585
34.000	26.5367	35.2474	23.0559	8.759	0.564
35.000	26.3796	35.2509	23.1081	8.732	0.739
36.000	26.3451	35.2503	23.1186	8.721	0.929
37.000	26.3166	35.2506	23.1279	8.718	1.042
38.000	26.3096	35.2508	23.1303	8.716	1.143
39.000	26.3050	35.2504	23.1315	8.716	1.239
40.000	26.3013	35.2499	23.1324	8.710	1.277
41.000	26.2933	35.2492	23.1344	8.700	
42.000	26.2919	35.2488	23.1346	8.701	
43.000	26.2889	35.2483	23.1353	8.689	1.465
44.000	26.2801	35.2467	23.1369	8.684	1.451
45.000	26.2729	35.2460	23.1387	8.684	1.509
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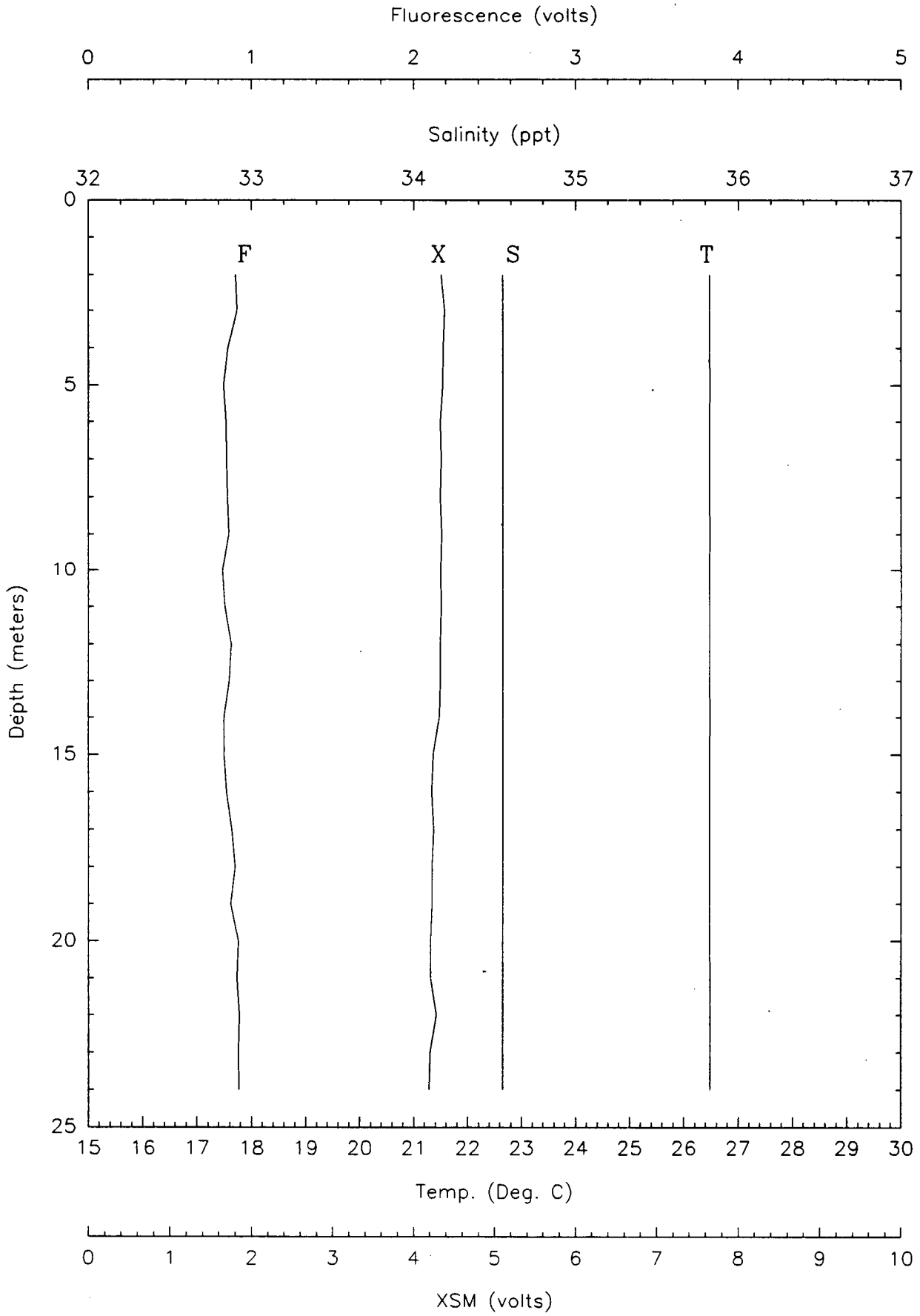
48.000	26.0409	35.2894	23.2442	8.604	1.514
49.000	25.7050	35.3507	23.3950	8.462	1.496
50.000	24.6494	35.5223	23.8473	7.952	1.527
51.000	23.5948	35.6771	24.2787	6.054	1.400
52.000	23.5079	35.6721	24.3003	5.605	1.148
53.000	23.4932	35.6703	24.3034	5.484	1.136
54.000	23.4804	35.6693	24.3065	5.365	1.111
55.000	23.4684	35.6690	24.3098	5.332	1.149
56.000	23.4622	35.6687	24.3115	5.213	1.193
57.000	23.4593	35.6686	24.3122	5.163	1.151
58.000	23.4589	35.6677	24.3118	5.115	1.118
59.000	23.4547	35.6679	24.3132	5.076	1.158



Stn. 15
92G10

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 12:02:02 GMT
 Lat: 28 39.920 N
 Lon: 91 35.994 W
 Stn: 16

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	26.4676	34.5488	22.5485	4.343	0.903
3.000	26.4724	34.5487	22.5472	4.379	0.913
4.000	26.4746	34.5485	22.5465	4.366	0.855
5.000	26.4747	34.5485	22.5465	4.356	0.830
6.000	26.4739	34.5484	22.5467	4.330	0.843
7.000	26.4742	34.5484	22.5467	4.338	0.845
8.000	26.4745	34.5484	22.5467	4.329	0.851
9.000	26.4747	34.5483	22.5467	4.348	0.862
10.000	26.4742	34.5485	22.5471	4.337	0.823
11.000	26.4741	34.5484	22.5471	4.339	0.836
12.000	26.4743	34.5484	22.5470	4.329	0.877
13.000	26.4744	34.5485	22.5472	4.332	0.864
14.000	26.4747	34.5488	22.5473	4.314	0.831
15.000	26.4740	34.5491	22.5479	4.238	0.832
16.000	26.4735	34.5494	22.5483	4.221	0.845
17.000	26.4736	34.5495	22.5484	4.246	0.880
18.000	26.4736	34.5497	22.5486	4.226	0.899
19.000	26.4738	34.5494	22.5485	4.230	0.873
20.000	26.4733	34.5496	22.5489	4.211	0.919
21.000	26.4750	34.5490	22.5479	4.212	0.911
22.000	26.4753	34.5490	22.5479	4.281	0.926
23.000	26.4748	34.5501	22.5490	4.206	0.920
24.000	26.4754	34.5500	22.5488	4.191	0.923

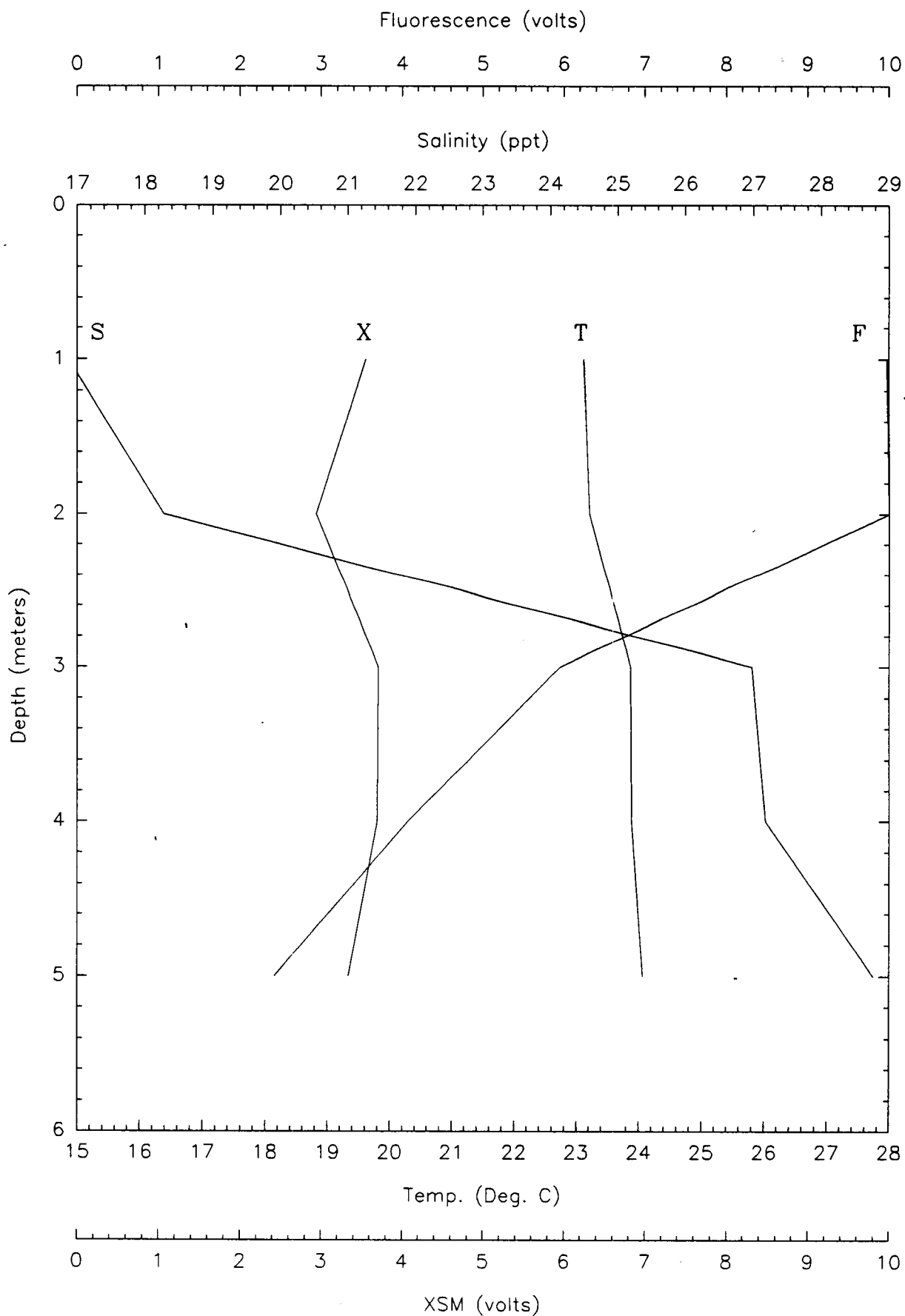


Stn. 16
92G10

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 14:45:28 GMT
 Lat.: 29 00.948 N
 Lon.: 91 36.026 W
 Stn.: 17

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
1.000	23.1223	16.8739	10.2157	3.553	9.971
2.000	23.2146	18.2761	11.2463	2.938	10.000 *
3.000	23.8723	26.9758	17.6177	3.705	5.956
4.000	23.8866	27.1703	17.7603	3.695	4.076
5.000	24.0614	28.7589	18.9086	3.338	2.425

* offscale high



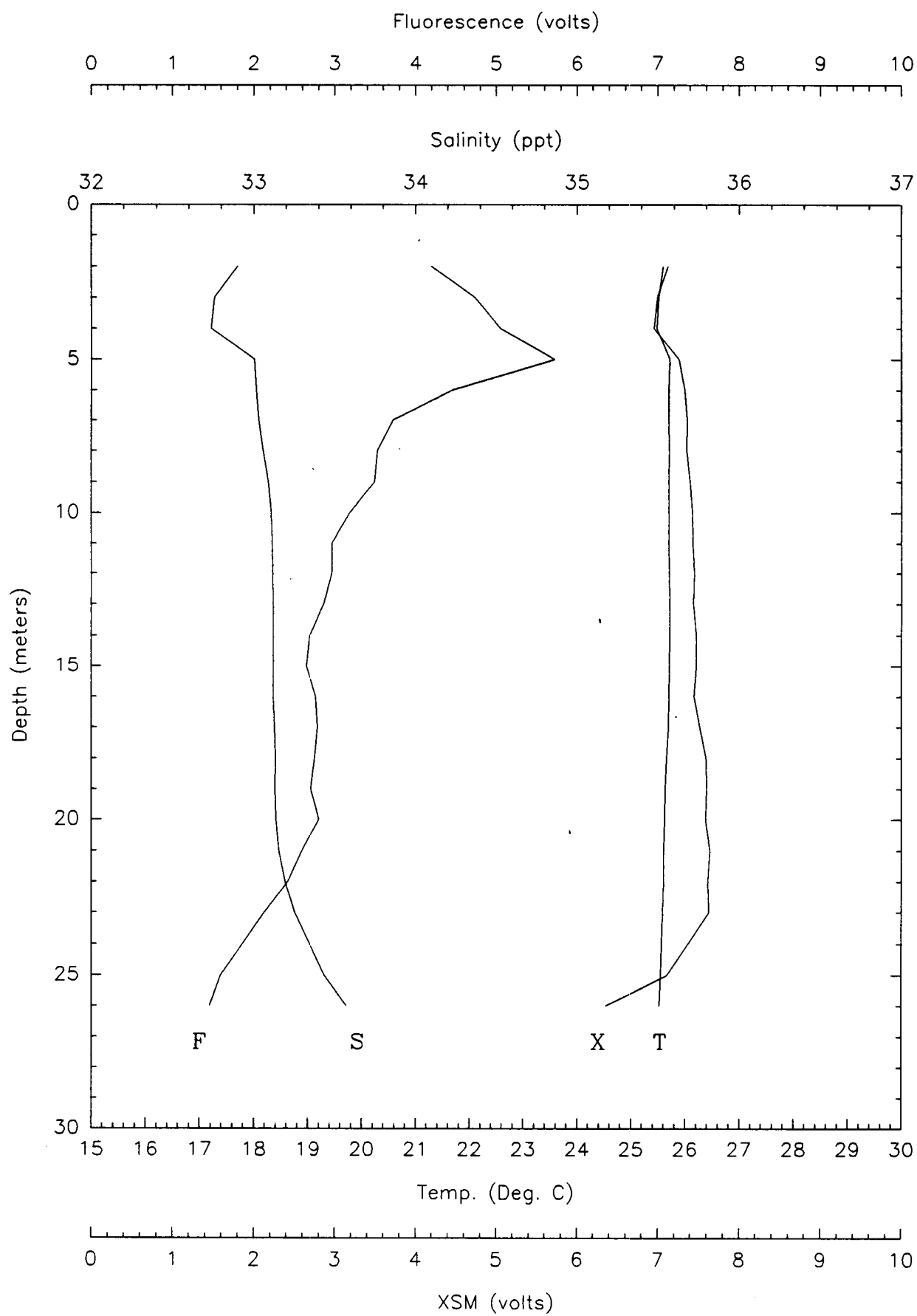
Stn. 17
92G10

Cruise: 92G10
Date: Mon Oct 05 1992, Julian day = 279
Time: 19:01:13 GMT
Lat.: 28 48.124 N
Lon.: 91 00.388 W
Stn.: 18

meters	temp	salinity sigmatheta	volts# 0	Fluor(v.)
2.000	24.9015	No data: problems with	1.670	3.068
3.000	24.8919	bubbles in pumped flow	1.780	3.198
4.000	24.9037	to conductivity sensor	1.821	3.230
5.000	24.8749		1.680	3.123
6.000	24.8700		1.472	2.749

Cruise: 92G10
 Date: Mon Oct 05 1992, Julian day = 279
 Time: 23:46:42 GMT
 Lat: 28 35.060 N
 Lon: 90 25.100 W
 Stn: 19

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	25.5998	32.9000	21.5693	7.124	4.199
3.000	25.5158	32.7578	21.4934	6.996	4.738
4.000	25.4798	32.7365	21.4884	6.953	5.051
5.000	25.7223	33.0028	21.6152	7.261	5.721
6.000	25.7079	33.0146	21.6285	7.333	4.450
7.000	25.7077	33.0291	21.6396	7.363	3.719
8.000	25.7136	33.0561	21.6582	7.358	3.528
9.000	25.7071	33.0908	21.6865	7.398	3.491
10.000	25.7055	33.1078	21.6998	7.425	3.182
11.000	25.7087	33.1129	21.7028	7.434	2.966
12.000	25.7127	33.1154	21.7035	7.449	2.962
13.000	25.7198	33.1197	21.7046	7.442	2.860
14.000	25.7187	33.1209	21.7059	7.475	2.688
15.000	25.7105	33.1207	21.7084	7.473	2.651
16.000	25.7069	33.1208	21.7096	7.446	2.761
17.000	25.6931	33.1275	21.7189	7.517	2.782
18.000	25.6647	33.1346	21.7331	7.592	2.751
19.000	25.6370	33.1306	21.7386	7.597	2.700
20.000	25.6251	33.1370	21.7472	7.586	2.804
21.000	25.6078	33.1543	21.7656	7.643	2.597
22.000	25.6024	33.1930	21.7965	7.618	2.421
23.000	25.5903	33.2524	21.8450	7.630	2.133
25.000	25.5489	33.4345	21.9952	7.112	1.592
26.000	25.5223	33.5717	22.1069	6.357	1.453

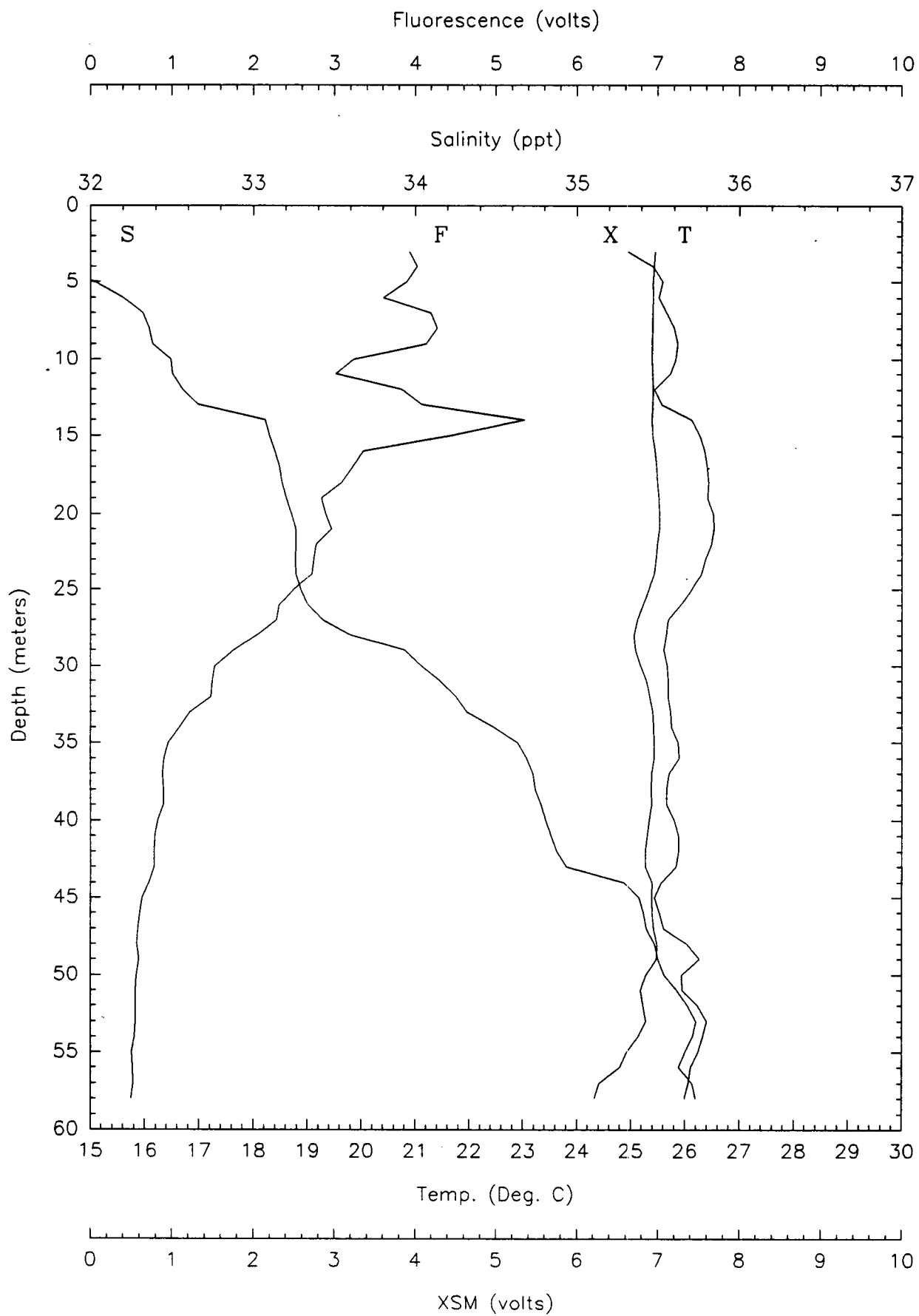


Stn. 19
92G10

Cruise: 92G10
 Date: Tue Oct 06 1992, Julian day = 280
 Time: 02:53:38 GMT
 Lat: 28 41.035 N
 Lon: 89 55.928 W
 Stn: 20

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
3.000	25.4464	31.6348	20.6693	6.633	3.923
4.000	25.4272	31.7242	20.7411	6.940	4.021
5.000	25.4139	32.0235	20.9709	7.057	3.898
6.000	25.4101	32.2006	21.1057	7.012	3.606
7.000	25.4062	32.3228	21.1991	7.110	4.195
8.000	25.4006	32.3591	21.2282	7.201	4.269
9.000	25.3966	32.3807	21.2457	7.241	4.135
10.000	25.3972	32.4930	21.3303	7.221	3.234
11.000	25.3999	32.5023	21.3366	7.154	3.017
12.000	25.4089	32.5644	21.3807	6.955	3.834
13.000	25.4059	32.6600	21.4539	7.049	4.080
14.000	25.3933	33.0712	21.7679	7.418	5.349
15.000	25.4065	33.0983	21.7844	7.513	4.435
16.000	25.4447	33.1305	21.7971	7.579	3.356
17.000	25.4767	33.1619	21.8112	7.604	3.225
18.000	25.4924	33.1754	21.8166	7.624	3.086
19.000	25.5178	33.2024	21.8292	7.613	2.838
20.000	25.5298	33.2343	21.8497	7.681	2.895
21.000	25.5236	33.2627	21.8731	7.689	2.966
22.000	25.4913	33.2620	21.8825	7.656	2.772
23.000	25.4633	33.2597	21.8894	7.580	2.746
24.000	25.4307	33.2609	21.9003	7.533	2.722
25.000	25.3302	33.2917	21.9542	7.415	2.503
26.000	25.2272	33.3355	22.0187	7.278	2.317
27.000	25.1133	33.4283	22.1232	7.127	2.287
28.000	25.0554	33.6024	22.2723	7.102	2.043
29.000	25.0792	33.9329	22.5148	7.074	1.766
30.000	25.1840	34.0399	22.5638	7.115	1.524
31.000	25.2854	34.1531	22.6184	7.122	1.495
32.000	25.3527	34.2530	22.6734	7.127	1.482
33.000	25.4054	34.3178	22.7063	7.156	1.223
34.000	25.4231	34.4882	22.8296	7.168	1.093
35.000	25.4287	34.6317	22.9363	7.250	0.959
36.000	25.4273	34.6894	22.9804	7.264	0.903
37.000	25.3856	34.7290	23.0231	7.135	0.886
38.000	25.3752	34.7429	23.0369	7.105	0.896
39.000	25.3810	34.7794	23.0627	7.108	0.899
40.000	25.3388	34.8082	23.0975	7.204	0.827
41.000	25.3015	34.8408	23.1336	7.258	0.790
42.000	25.2651	34.8772	23.1723	7.254	0.787
43.000	25.2728	34.9346	23.2134	7.226	0.783
44.000	25.3917	35.2916	23.4467	7.042	0.722
45.000	25.3869	35.3834	23.5175	6.956	0.635
46.000	25.3970	35.4098	23.5345	7.019	0.605
47.000	25.4176	35.4298	23.5433	7.070	0.583

48.000	25.4824	35.4781	23.5599	7.354	0.573
49.000	25.4699	35.4992	23.5798	7.508	0.593
50.000	25.2783	35.5381	23.6681	7.291	0.566
51.000	25.1786	35.6151	23.7569	7.299	0.550
52.000	25.2218	35.6811	23.7936	7.488	0.555
53.000	25.2747	35.7333	23.8170	7.599	0.556
54.000	25.1338	35.7136	23.8452	7.550	0.542
55.000	24.9224	35.6654	23.8733	7.495	0.507
56.000	24.7961	35.6287	23.8840	7.403	0.520
57.000	24.4110	35.7108	24.0622	7.376	0.524
58.000	24.3209	35.7302	24.1040	7.326	0.503

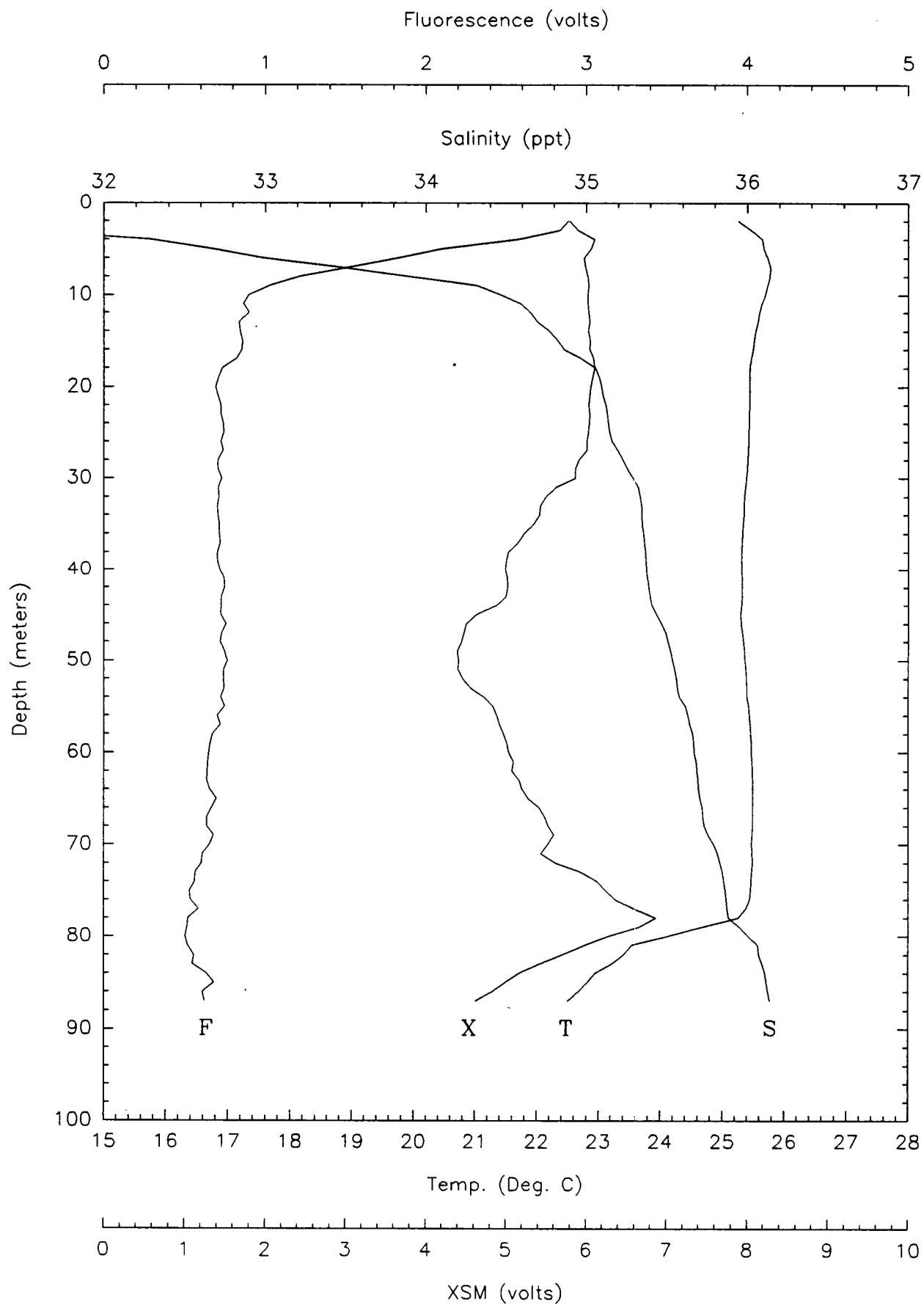


Stn. 20
92G10

Cruise: 92G10
 Date: Tue Oct 06 1992, Julian day = 280
 Time: 07:03:01 GMT
 Lat: 28 48.038 N
 Lon: 89 20.013 W
 Stn: 21

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	25.2579	30.6067	19.9496	5.792	2.887
3.000	25.4745	31.4628	20.5297	5.901	2.834
4.000	25.6395	32.2863	21.1003	6.101	2.579
5.000	25.6681	32.6688	21.3799	6.059	2.105
6.000	25.7255	32.9851	21.6009	5.971	1.829
7.000	25.7763	33.4730	21.9532	5.990	1.516
8.000	25.7663	33.8866	22.2683	6.022	1.218
9.000	25.7269	34.3180	22.6060	6.029	1.030
10.000	25.6876	34.4709	22.7336	6.020	0.898
11.000	25.6365	34.5903	22.8395	6.020	0.863
12.000	25.5976	34.6502	22.8968	6.029	0.901
13.000	25.5694	34.6956	22.9398	6.044	0.836
14.000	25.5377	34.7702	23.0060	6.026	0.843
15.000	25.5095	34.8242	23.0555	6.050	0.858
16.000	25.4962	34.8603	23.0869	6.043	0.854
17.000	25.4665	34.9682	23.1776	6.090	0.823
18.000	25.4442	35.0563	23.2510	6.103	0.735
19.000	25.4438	35.0810	23.2699	6.079	0.711
20.000	25.4434	35.0971	23.2822	6.056	0.692
21.000	25.4430	35.1035	23.2873	6.042	0.708
22.000	25.4397	35.1220	23.3023	6.034	0.725
23.000	25.4363	35.1308	23.3101	6.044	0.725
24.000	25.4337	35.1370	23.3156	6.039	0.741
25.000	25.4304	35.1458	23.3233	6.025	0.743
26.000	25.4242	35.1608	23.3366	6.009	0.725
27.000	25.4173	35.1966	23.3659	6.007	0.739
28.000	25.4090	35.2302	23.3939	5.905	0.707
29.000	25.4022	35.2562	23.4157	5.866	0.706
30.000	25.3923	35.2929	23.4465	5.863	0.731
31.000	25.3716	35.3256	23.4776	5.623	0.711
32.000	25.3613	35.3359	23.4886	5.499	0.713
33.000	25.3503	35.3452	23.4991	5.428	0.705
34.000	25.3452	35.3470	23.5021	5.418	0.708
35.000	25.3377	35.3497	23.5065	5.345	0.716
36.000	25.3229	35.3573	23.5169	5.223	0.716
37.000	25.3167	35.3633	23.5234	5.147	0.722
38.000	25.3134	35.3686	23.5284	5.028	0.703
39.000	25.3137	35.3724	23.5313	5.007	0.705
40.000	25.3152	35.3761	23.5337	4.994	0.720
41.000	25.3168	35.3823	23.5380	5.015	0.744
42.000	25.3176	35.3909	23.5442	5.023	0.750
43.000	25.3174	35.3982	23.5499	5.001	0.727
44.000	25.3086	35.4083	23.5603	4.886	0.728
45.000	25.2974	35.4389	23.5870	4.636	0.726
46.000	25.2999	35.4710	23.6105	4.509	0.756

47.000	25.3259	35.4973	23.6225	4.477	0.730
48.000	25.3396	35.5097	23.6277	4.448	0.723
49.000	25.3561	35.5271	23.6358	4.393	0.750
50.000	25.3673	35.5383	23.6410	4.413	0.767
51.000	25.3790	35.5509	23.6470	4.402	0.743
52.000	25.3887	35.5612	23.6518	4.462	0.742
53.000	25.3950	35.5682	23.6552	4.562	0.745
54.000	25.3999	35.5792	23.6621	4.725	0.725
55.000	25.4250	35.6179	23.6837	4.837	0.749
56.000	25.4382	35.6347	23.6923	4.887	0.703
57.000	25.4481	35.6452	23.6973	4.921	0.723
58.000	25.4597	35.6627	23.7071	4.971	0.675
59.000	25.4655	35.6693	23.7103	5.008	0.660
60.000	25.4695	35.6735	23.7123	5.033	0.652
61.000	25.4775	35.6836	23.7175	5.092	0.644
62.000	25.4825	35.6906	23.7213	5.076	0.642
63.000	25.4870	35.6961	23.7242	5.164	0.639
64.000	25.4877	35.7001	23.7271	5.199	0.655
65.000	25.4862	35.7077	23.7333	5.276	0.698
66.000	25.4895	35.7219	23.7431	5.414	0.668
67.000	25.4888	35.7263	23.7467	5.484	0.639
68.000	25.4858	35.7344	23.7539	5.527	0.640
69.000	25.4816	35.7596	23.7743	5.596	0.680
70.000	25.4746	35.7926	23.8014	5.519	0.657
71.000	25.4828	35.8189	23.8189	5.438	0.612
72.000	25.4877	35.8320	23.8273	5.620	0.607
73.000	25.4751	35.8475	23.8429	5.931	0.567
74.000	25.4660	35.8571	23.8531	6.136	0.564
75.000	25.4582	35.8648	23.8614	6.247	0.533
76.000	25.4451	35.8696	23.8691	6.362	0.539
77.000	25.3820	35.8754	23.8930	6.594	0.589
78.000	25.2533	35.8844	23.9394	6.868	0.523
79.000	24.6709	35.9539	24.1695	6.661	0.516
80.000	24.1274	36.0071	24.3730	6.281	0.505
81.000	23.5475	36.0667	24.5898	5.993	0.521
82.000	23.4044	36.0737	24.6371	5.697	0.557
83.000	23.2156	36.0933	24.7071	5.427	0.550
84.000	22.9520	36.1105	24.7966	5.164	0.636
85.000	22.8200	36.1208	24.8426	4.992	0.683
86.000	22.6761	36.1306	24.8914	4.831	0.612
87.000	22.5026	36.1404	24.9486	4.617	0.624

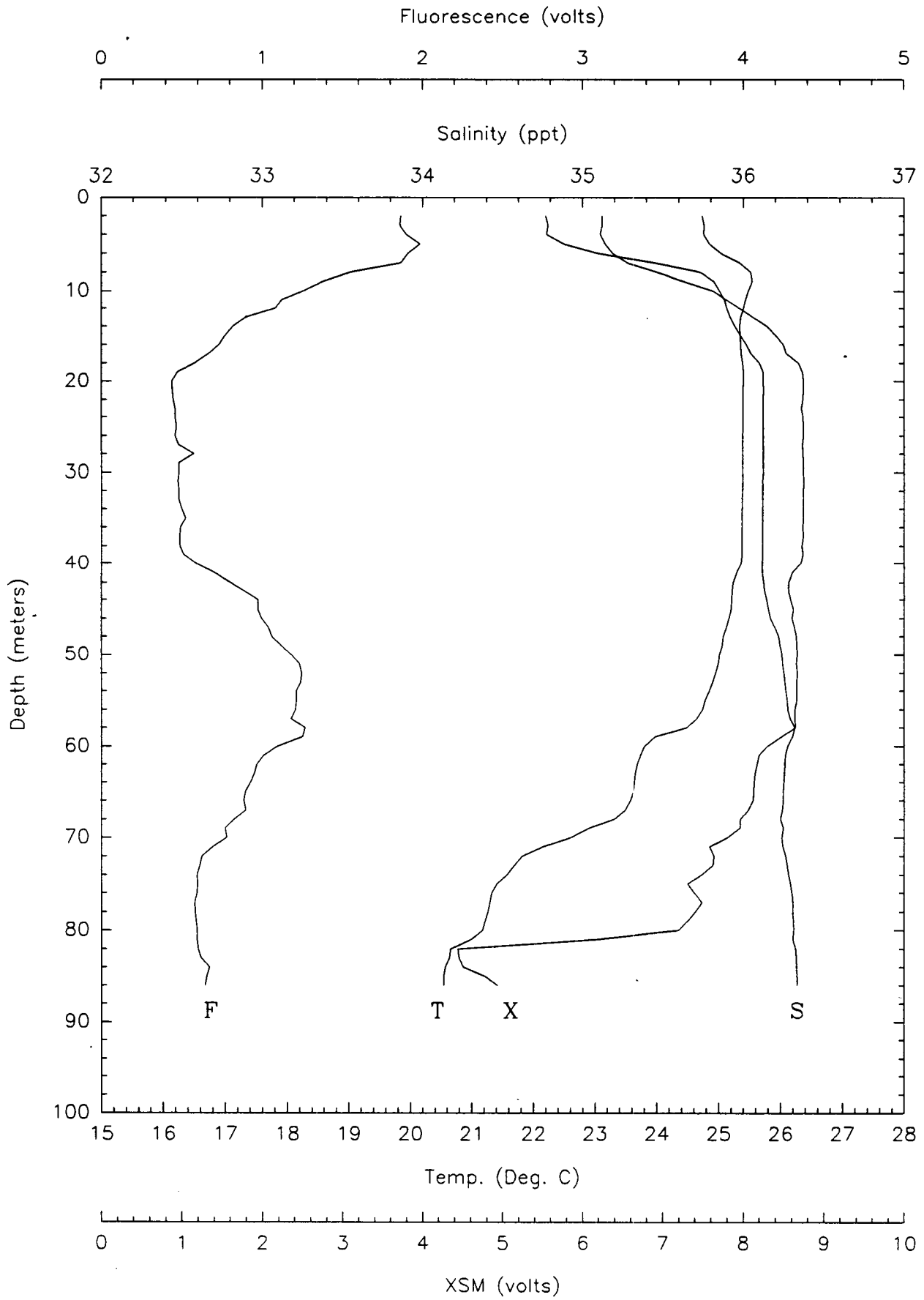


Stn. 21
92G10

Cruise: 92G10
 Date: Tue Oct 06 1992, Julian day = 280
 Time: 10:43:47 GMT
 Lat: 29 02.911 N
 Lon: 88 54.174 W
 Stn: 22

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	24.7372	34.7705	23.2505	6.245	1.865
3.000	24.7676	34.7832	23.2497	6.244	1.860
4.000	24.7596	34.7744	23.2456	6.223	1.896
5.000	24.8571	34.8813	23.2970	6.281	1.984
6.000	25.0449	35.0930	23.4001	6.376	1.909
7.000	25.3429	35.4544	23.5821	6.561	1.865
8.000	25.5228	35.7356	23.7392	6.932	1.551
9.000	25.5441	35.8177	23.7948	7.264	1.376
10.000	25.4794	35.8539	23.8421	7.627	1.254
11.000	25.4345	35.8832	23.8782	7.791	1.120
12.000	25.4017	35.8982	23.8997	7.948	1.080
13.000	25.3594	35.9168	23.9268	8.121	0.898
14.000	25.3421	35.9487	23.9563	8.292	0.816
15.000	25.3454	35.9830	23.9813	8.404	0.767
16.000	25.3576	36.0184	24.0044	8.496	0.731
17.000	25.3661	36.0456	24.0224	8.530	0.667
18.000	25.3881	36.0997	24.0566	8.687	0.580
19.000	25.4002	36.1234	24.0708	8.734	0.472
20.000	25.4003	36.1241	24.0714	8.743	0.437
21.000	25.4000	36.1244	24.0718	8.744	0.440
22.000	25.3968	36.1235	24.0722	8.738	0.445
23.000	25.3939	36.1227	24.0725	8.718	0.459
24.000	25.3928	36.1227	24.0730	8.736	0.459
25.000	25.3930	36.1227	24.0729	8.747	0.467
26.000	25.3925	36.1223	24.0729	8.743	0.458
27.000	25.3924	36.1223	24.0730	8.735	0.479
28.000	25.3921	36.1220	24.0729	8.738	0.573
29.000	25.3919	36.1220	24.0730	8.746	0.482
30.000	25.3910	36.1217	24.0731	8.744	0.482
31.000	25.3886	36.1210	24.0734	8.748	0.475
32.000	25.3859	36.1205	24.0739	8.744	0.480
33.000	25.3838	36.1204	24.0746	8.744	0.482
34.000	25.3835	36.1201	24.0745	8.745	0.500
35.000	25.3825	36.1201	24.0749	8.744	0.524
36.000	25.3823	36.1200	24.0750	8.739	0.490
37.000	25.3830	36.1207	24.0753	8.745	0.487
38.000	25.3839	36.1214	24.0756	8.725	0.488
39.000	25.3826	36.1215	24.0761	8.741	0.510
40.000	25.3640	36.1180	24.0793	8.715	0.585
41.000	25.2961	36.1177	24.1001	8.605	0.699
42.000	25.2334	36.1259	24.1256	8.563	0.803
43.000	25.2164	36.1331	24.1364	8.558	0.888
44.000	25.2120	36.1432	24.1454	8.586	0.971
45.000	25.2060	36.1559	24.1569	8.620	0.971
46.000	25.1673	36.1662	24.1766	8.601	0.994

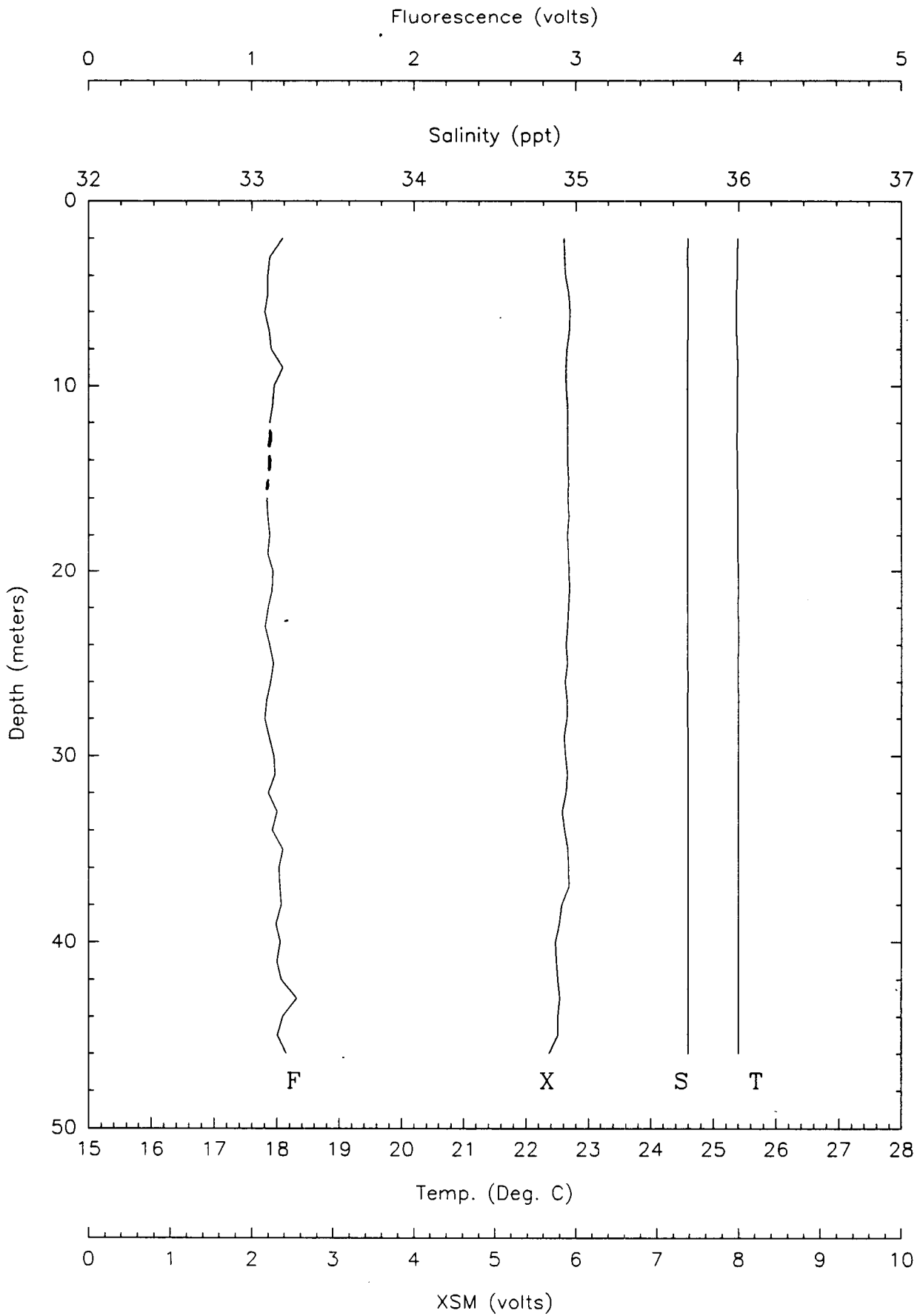
47.000	25.1290	36.1937	24.2093	8.633	1.036
48.000	25.0730	36.2180	24.2448	8.654	1.058
49.000	25.0560	36.2269	24.2568	8.659	1.118
50.000	25.0132	36.2377	24.2781	8.669	1.178
51.000	24.9921	36.2419	24.2878	8.658	1.228
52.000	24.9513	36.2496	24.3062	8.666	1.243
53.000	24.9048	36.2567	24.3257	8.662	1.239
54.000	24.8502	36.2620	24.3465	8.659	1.212
55.000	24.7798	36.2710	24.3747	8.660	1.212
56.000	24.7430	36.2749	24.3890	8.638	1.207
57.000	24.6388	36.2879	24.4304	8.641	1.180
58.000	24.4821	36.3177	24.5004	8.643	1.265
59.000	23.9694	36.3034	24.6430	8.470	1.249
60.000	23.7982	36.2749	24.6723	8.291	1.094
61.000	23.7364	36.2604	24.6796	8.193	1.010
62.000	23.6830	36.2564	24.6925	8.167	0.964
63.000	23.6519	36.2537	24.6997	8.145	0.949
64.000	23.6383	36.2511	24.7018	8.133	0.928
65.000	23.6217	36.2481	24.7045	8.126	0.893
66.000	23.5725	36.2484	24.7192	8.121	0.886
67.000	23.4890	36.2412	24.7384	8.060	0.896
68.000	23.3102	36.2295	24.7819	7.961	0.825
69.000	22.9104	36.2468	24.9112	7.963	0.768
70.000	22.6065	36.2381	24.9921	7.802	0.777
71.000	22.1565	36.2454	25.1258	7.582	0.692
72.000	21.8179	36.2639	25.2353	7.634	0.623
73.000	21.6893	36.2717	25.2772	7.624	0.611
74.000	21.5699	36.2794	25.3164	7.479	0.593
75.000	21.4096	36.2920	25.3705	7.308	0.597
76.000	21.3224	36.3023	25.4025	7.390	0.593
77.000	21.2918	36.3065	25.4142	7.485	0.580
78.000	21.2579	36.3085	25.4252	7.403	0.583
79.000	21.2140	36.3091	25.4378	7.311	0.587
80.000	21.1756	36.3128	25.4512	7.199	0.594
81.000	20.9888	36.3082	25.4990	6.184	0.595
82.000	20.6538	36.3255	25.6034	4.443	0.601
83.000	20.6330	36.3276	25.6106	4.453	0.619
84.000	20.5632	36.3310	25.6321	4.505	0.670
85.000	20.5445	36.3334	25.6391	4.780	0.653
86.000	20.5386	36.3347	25.6417	4.931	0.644



Stn. 22
92G10

Cruise: 92G10.
 Date: Tue Oct 06 1992, Julian day = 280
 Time: 13:03:57 GMT
 Lat: 29 17.884 N
 Lon: 88 49.698 W
 Stn: 23

meters	temp	salinity	sigmatheta	volts# 0	Fluor(v.)
2.000	25.3873	35.6912	23.7466	5.855	1.192
3.000	25.3831	35.6882	23.7462	5.859	1.109
4.000	25.3777	35.6890	23.7485	5.873	1.097
5.000	25.3680	35.6889	23.7514	5.915	1.099
6.000	25.3662	35.6887	23.7519	5.925	1.080
7.000	25.3656	35.6888	23.7523	5.918	1.108
8.000	25.3845	35.6873	23.7454	5.886	1.118
9.000	25.3860	35.6870	23.7447	5.879	1.191
10.000	25.3831	35.6874	23.7460	5.878	1.137
11.000	25.3799	35.6876	23.7472	5.894	1.129
12.000	25.3778	35.6877	23.7480	5.896	1.111
13.000	25.3751	35.6879	23.7490	5.897	
14.000	25.3771	35.6882	23.7487	5.894	
15.000	25.3829	35.6876	23.7466	5.905	
16.000	25.3893	35.6875	23.7446	5.902	1.092
17.000	25.3901	35.6874	23.7443	5.913	1.099
18.000	25.3905	35.6876	23.7444	5.897	1.110
19.000	25.3918	35.6875	23.7440	5.909	1.097
20.000	25.3932	35.6874	23.7435	5.914	1.132
21.000	25.3928	35.6874	23.7438	5.916	1.125
22.000	25.3922	35.6874	23.7441	5.909	1.100
23.000	25.3930	35.6875	23.7439	5.896	1.083
24.000	25.3927	35.6879	23.7444	5.880	1.110
25.000	25.3924	35.6883	23.7448	5.896	1.133
26.000	25.3924	35.6886	23.7451	5.863	1.116
27.000	25.3929	35.6883	23.7448	5.886	1.093
28.000	25.3932	35.6883	23.7448	5.888	1.081
29.000	25.3928	35.6890	23.7455	5.855	1.108
30.000	25.3946	35.6895	23.7455	5.869	1.137
31.000	25.3942	35.6890	23.7453	5.892	1.144
32.000	25.3942	35.6886	23.7450	5.875	1.101
33.000	25.3948	35.6892	23.7453	5.832	1.154
34.000	25.3950	35.6891	23.7453	5.857	1.125
35.000	25.3951	35.6888	23.7451	5.902	1.191
36.000	25.3950	35.6886	23.7450	5.907	1.166
37.000	25.3946	35.6889	23.7454	5.911	1.173
38.000	25.3957	35.6894	23.7455	5.824	1.182
39.000	25.3967	35.6905	23.7461	5.793	1.148
40.000	25.3974	35.6909	23.7463	5.745	1.176
41.000	25.3983	35.6913	23.7464	5.759	1.156
42.000	25.3981	35.6908	23.7461	5.777	1.183
43.000	25.3974	35.6896	23.7455	5.801	1.277
44.000	25.3967	35.6891	23.7454	5.778	1.191
45.000	25.3970	35.6893	23.7455	5.776	1.159
46.000	25.3980	35.6902	23.7460	5.669	1.212



Stn. 23
92G10

BOTTLE DATA

At each CTD station on cruise 92G-10, 30-liter Niskin bottles mounted on a General Oceanics 12-place rosette multisampler were tripped on the upcast for analysis of nutrients, dissolved oxygen, and chlorophyll + acid degradation products as well as bottle salinity. Autoanalyzer nutrient analyses were done at sea using a 6-channel Technicon AA-II analyzer, and salinity was checked at each bottle trip depth in the shipboard laboratory with Guildline Autosol model 8400A. Dissolved oxygen was measured by a modified Winkler titration method. Chlorophyll versus phaeopigment composition was estimated at sea by measuring the fluorescence of suspended material extracted in 90% acetone before and after the addition of acid (the "Turner" fluorometric method), following the protocols of Parsons et al., 1985.

The following tables summarize CTD temperature, bottle salinity, nutrient, dissolved oxygen, and chlorophyll + phaeopigment concentrations. Concentrations of nutrients are reported as $\mu\text{moles/liter}$, of dissolved oxygen as mls/liter , and of chlorophyll (CHL) and phaeopigments (PHAEO) as mg/liter .

Reference:

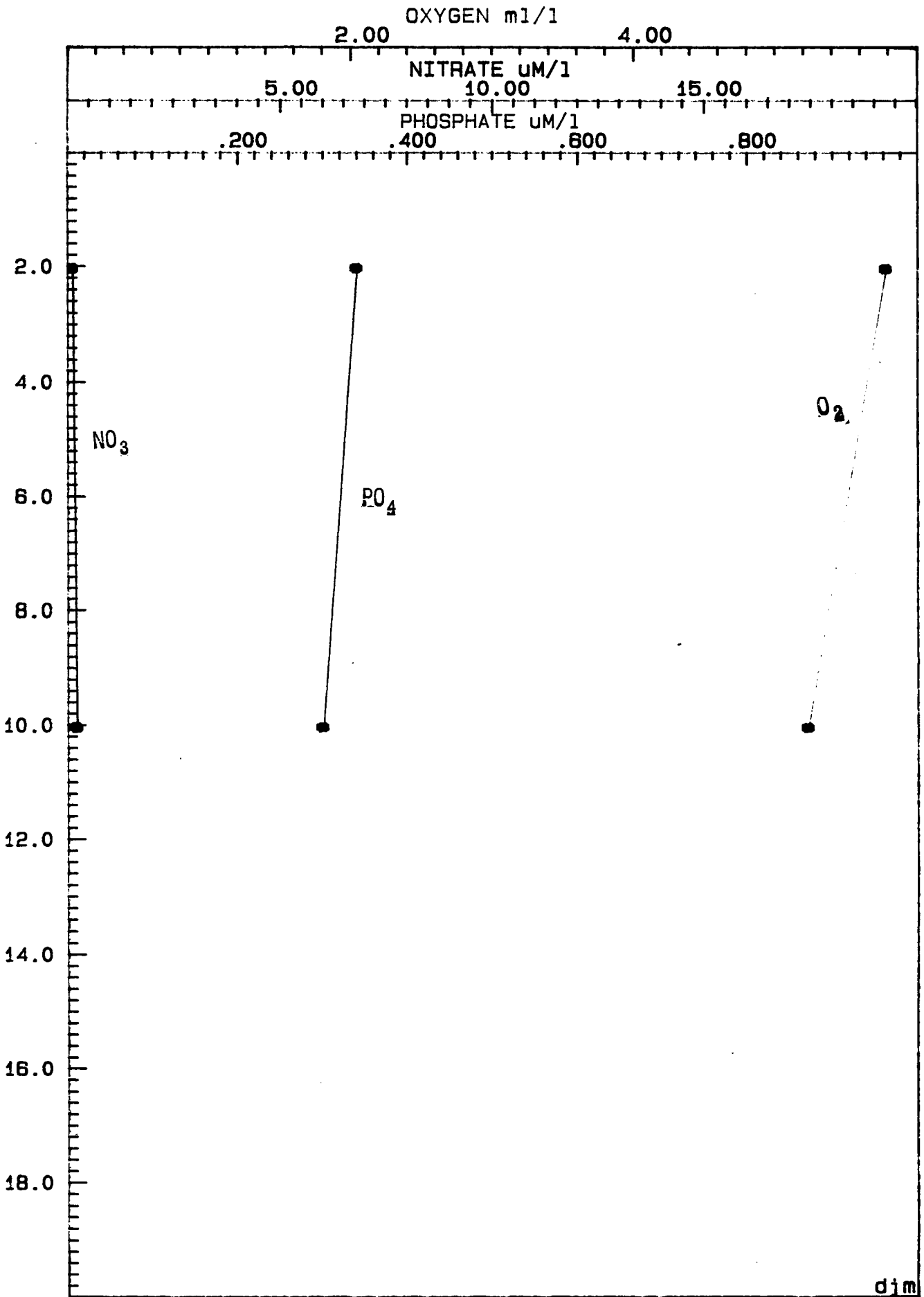
Parsons TR, Maita Y, and Lalli CM (1985) A Manual of Chemical and Biological Methods for Seawater Analysis. Oxford (Pergamon Press).

1 L of seawater was filtered onto 25 mm glass fiber GF/F filters. These were extracted in 10 ml of 90% acetone for 12h at 0°C, then centrifuged the extract for 5 min to clarify the supernatant before measuring fluorescence on a Turner Designs model 10 fluorometer.

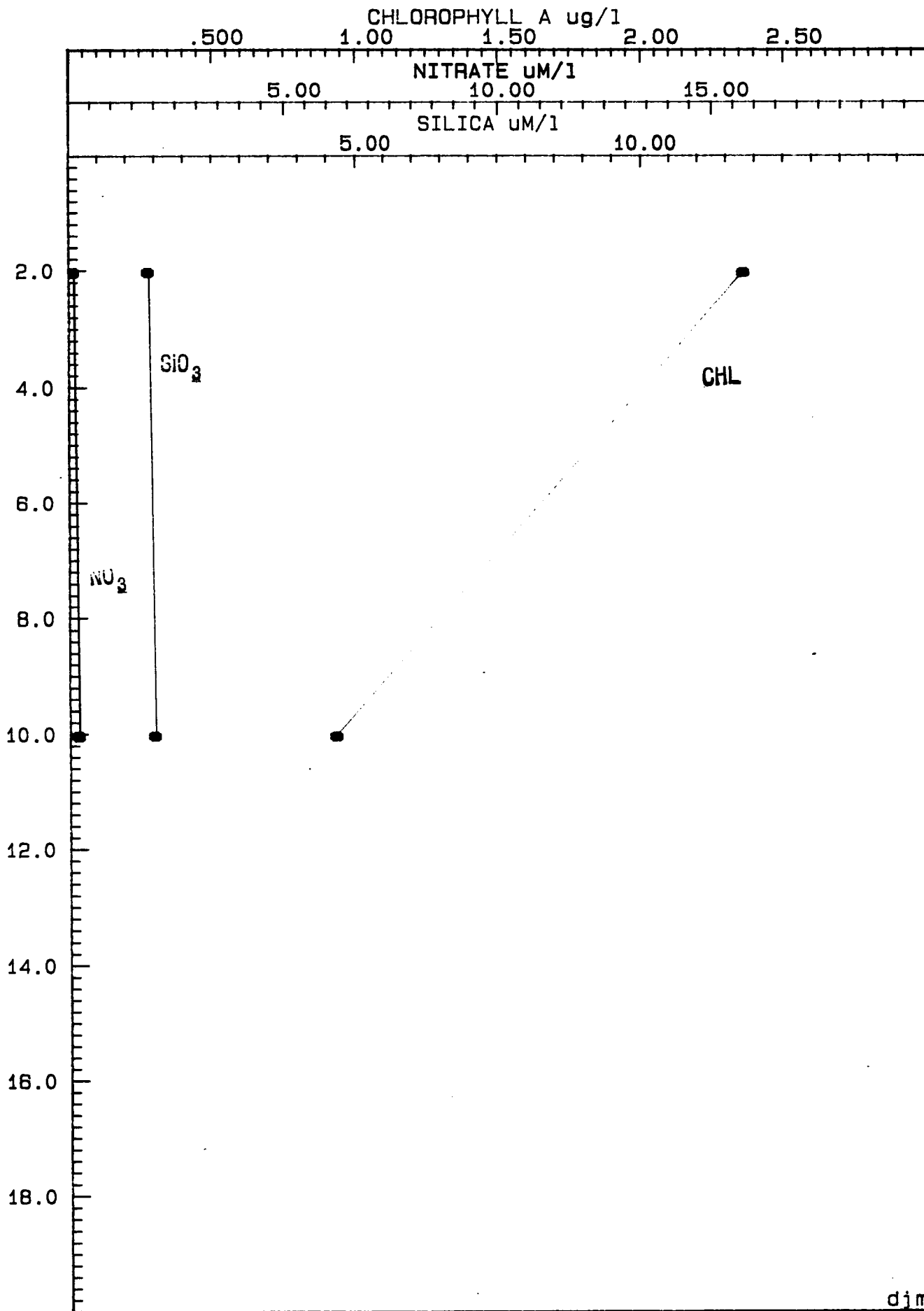
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE	92G10	STATION	001	Date	2/10/92
LAT	29 14.07N	LON	94 38.11W	Time	1710 GMT
Samples	2				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl	Pha (mg/l)
2	2	28.141	24.355	5.779	0.1	0.06	0.4	0.4	0.34	1.4	2.36	0.09
1	10	29.754	24.746	5.232	0.2	0.09	0.5	0.2	0.30	1.5	0.93	0.05



CRUISE: 92610 STATION: B92610*1*1 DATE: OCT 92
LATITUDE: 29 14.0 LONGITUDE: 94 38.1

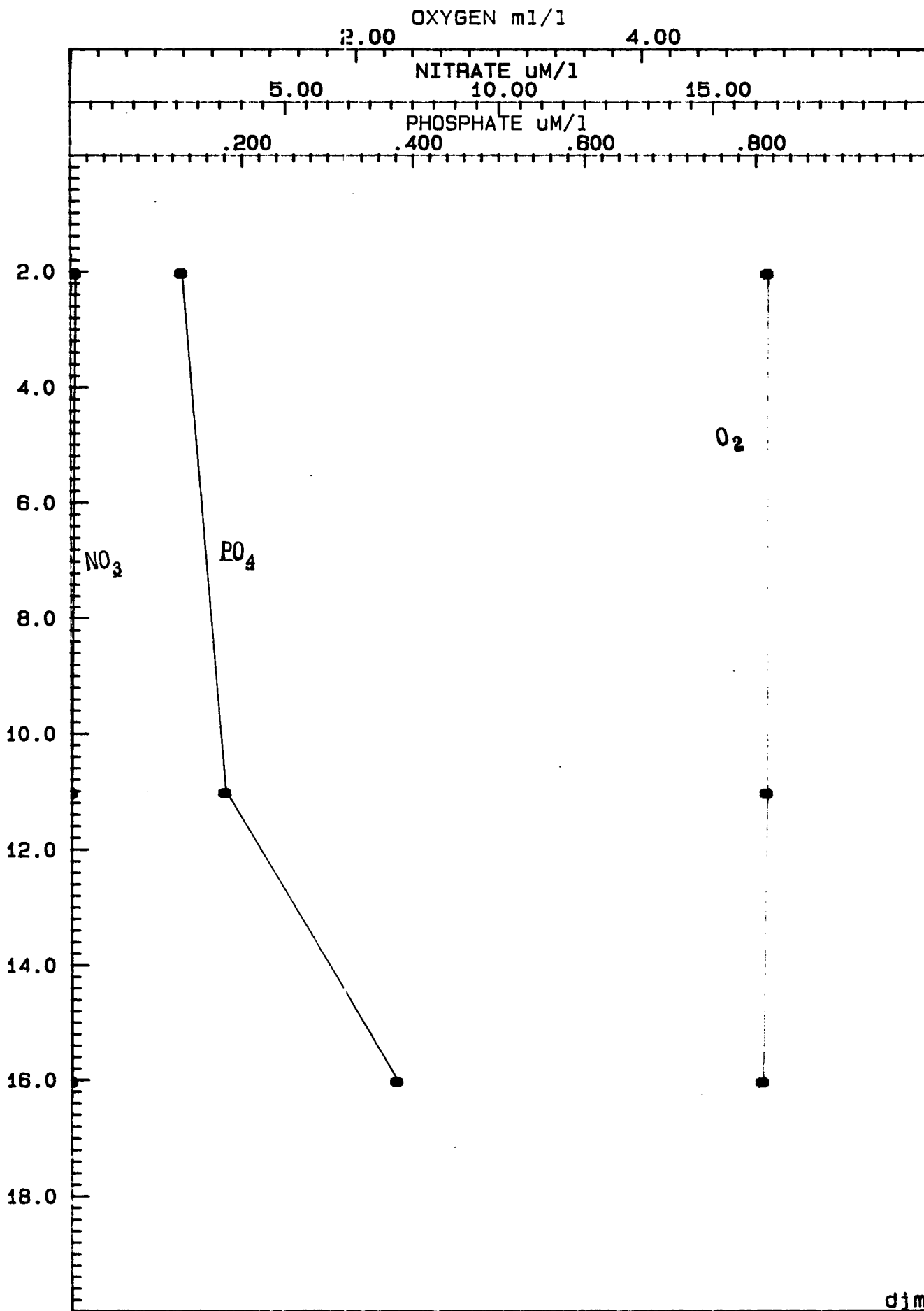


CRUISE: 92610 STATION: B92610*1*1 DATE: OCT 92
LATITUDE: 29 14.0 LONGITUDE: 94 38.1

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

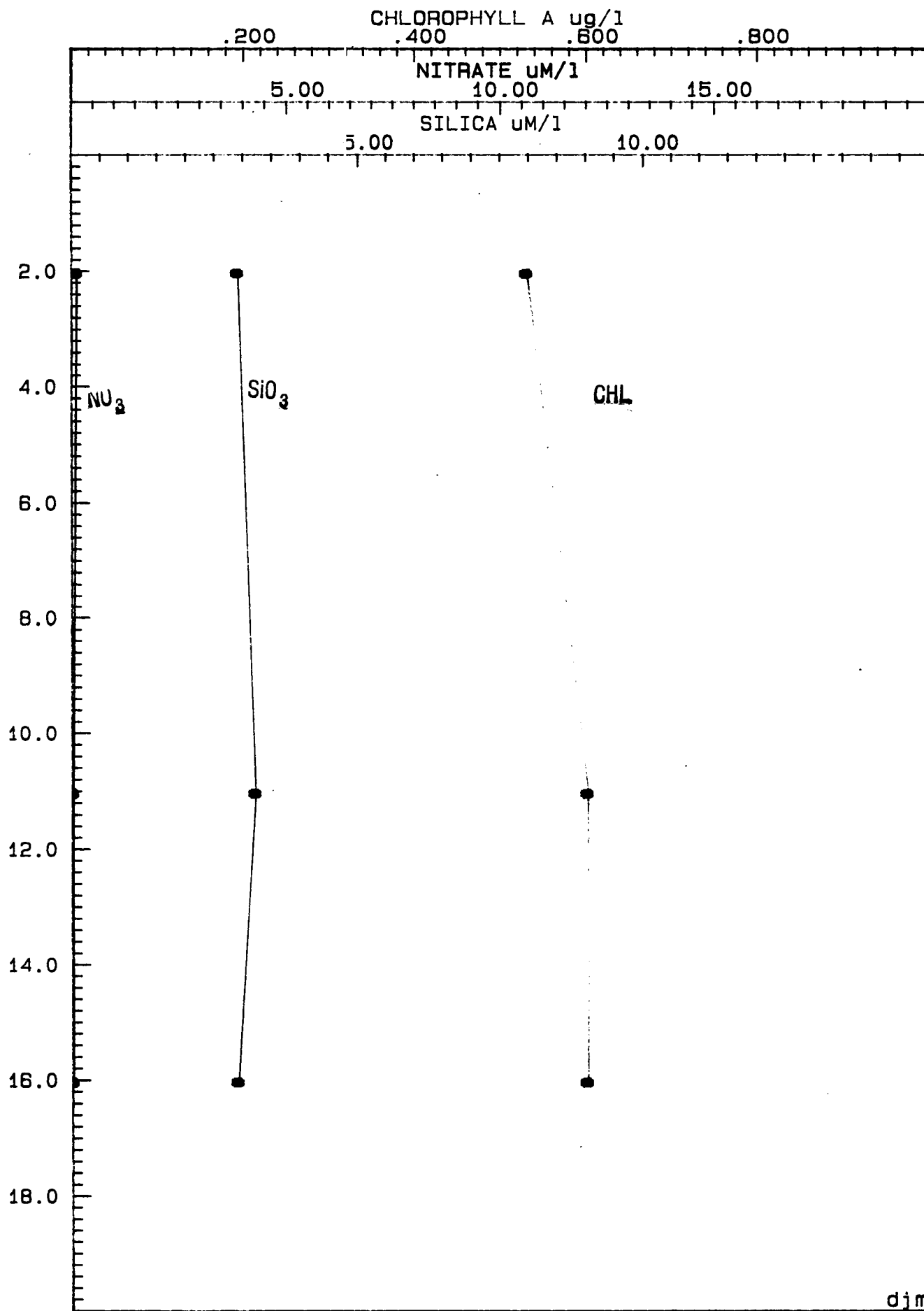
CRUISE 92G10 STATION 002 Date 2/10/92
 LAT 28 56.045N LON 94 15.145W Time 2235 GMT
 Samples 3

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
6	2	34.537	25.961	4.875	0.1	0.05	0.3	0.1	0.13	2.9	0.53	0.18
5	11	34.538	25.967	4.869	0.0	0.03	0.3	0.6	0.18	3.2	0.60	0.18
4	16	34.544	25.962	4.840	0.0	0.04	0.5	1.4	0.38	2.9	0.60	0.18



CRUISE: 92G10 STATION: B92G10*2*1 DATE: 2 OCT 92
 LATITUDE: 28 56.0 LONGITUDE: 94 15.1

dm



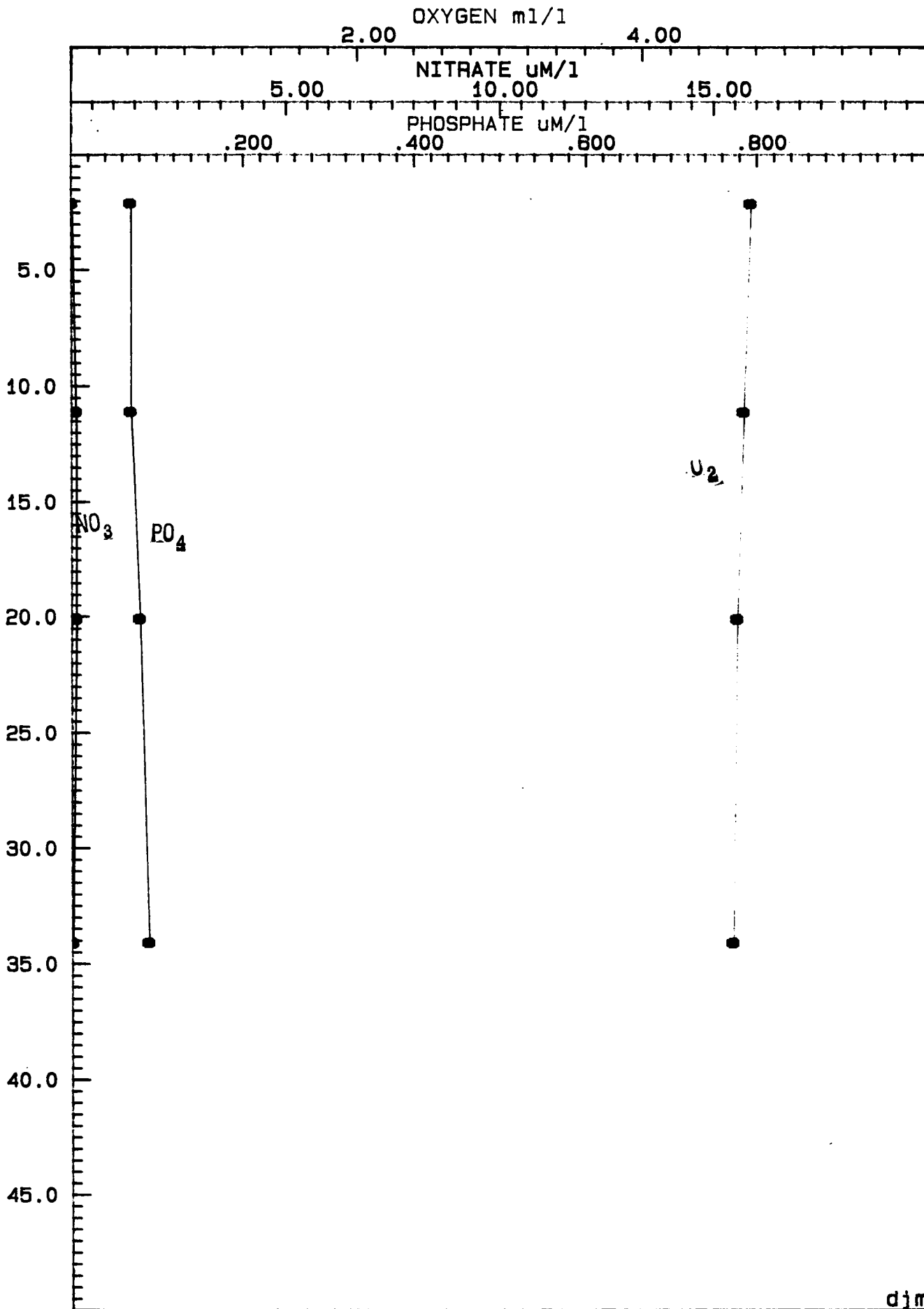
CRUISE: 92G10 STATION: B92G10*2*1 DATE: 2 OCT 92
LATITUDE: 28 56.0 LONGITUDE: 94 15.1

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

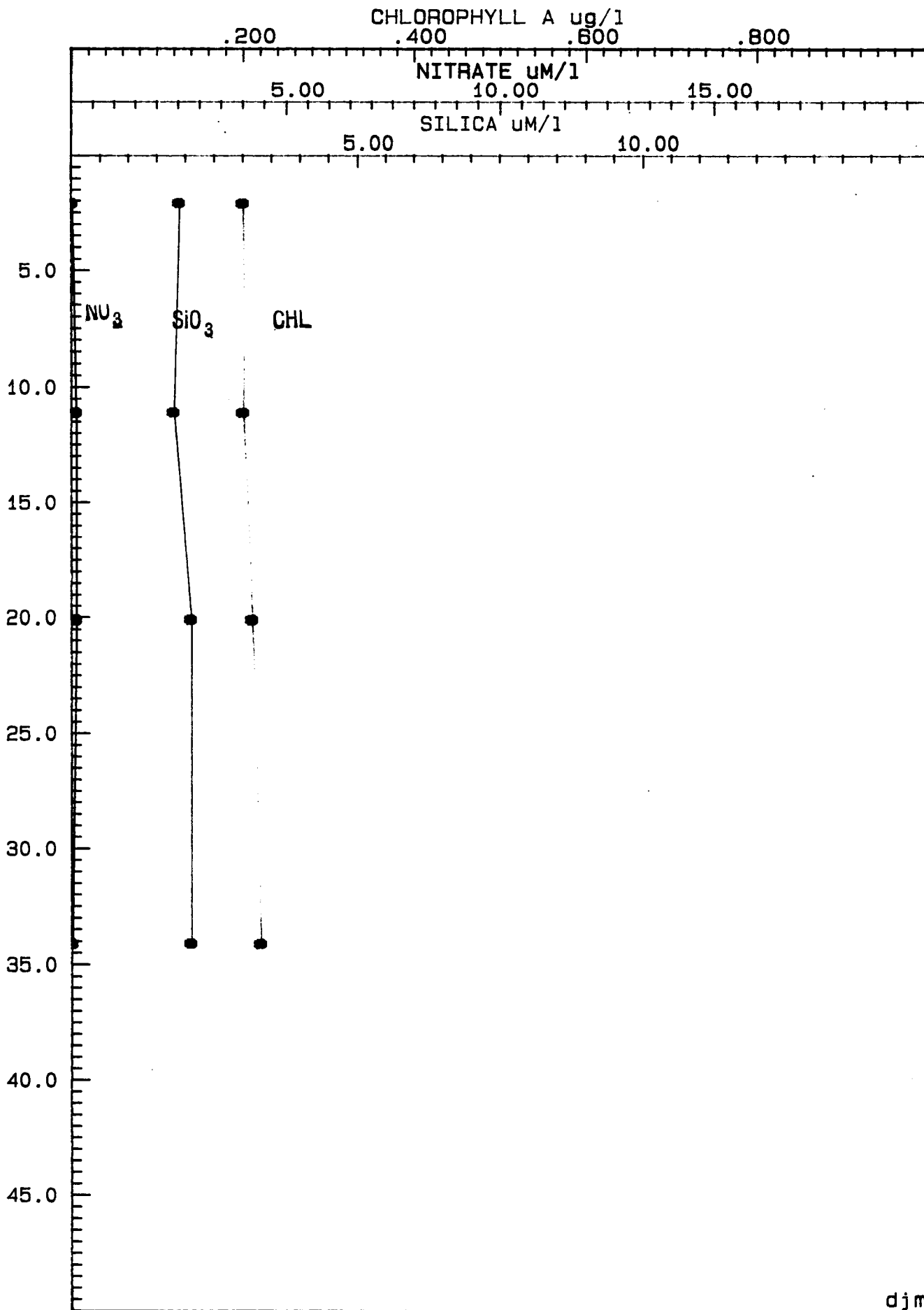
CRUISE	92G10	STATION	003	Date	3/10/92
LAT	28 32.0N	LON	94 00.019W	Time	0234 GMT
Samples	4				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
11	2	35.723	26.811	4.755	0.0	0.02	0.2	0.1	0.07	1.9	0.20	0.13
10	11	35.721	26.817	4.714	0.1	0.03	0.3	0.1	0.07	1.8	0.20	0.07
9	20	35.720	26.815	4.665	0.1	0.02	0.2	0.1	0.08	2.1	0.21	0.08
8	34	35.727	26.810	4.629	0.0	0.04	0.3	0.1	0.09	2.1	0.22	0.09



CRUISE: 92610 STATION: B92610*3*1 DATE: 3 OCT 92
LATITUDE: 28 32.0 LONGITUDE: 94 0.0

djm

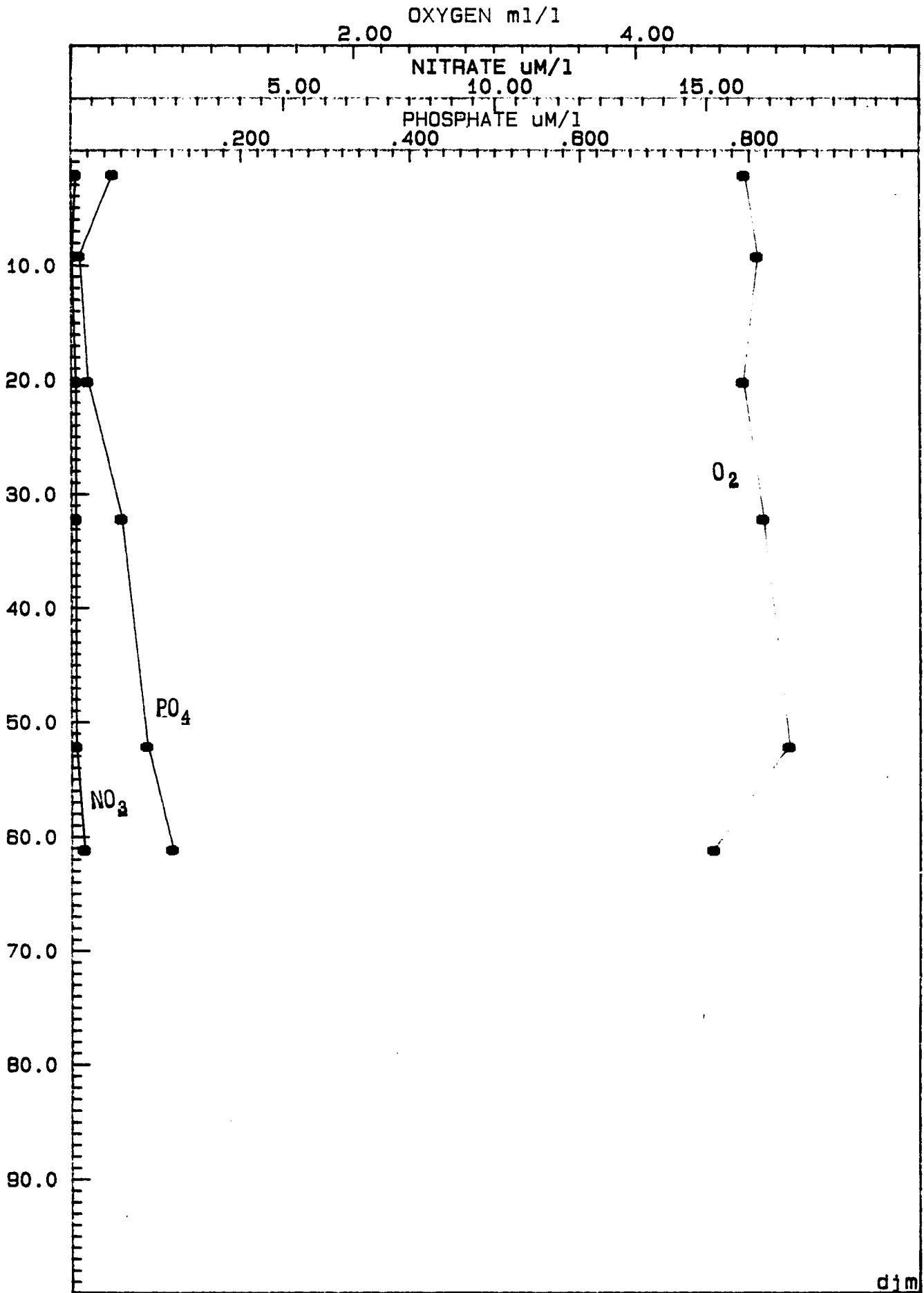


CRUISE: 92G10 STATION: B92G10*3*1 DATE: 3 OCT 92
LATITUDE: 28 32.0 LONGITUDE: 94 0.0

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

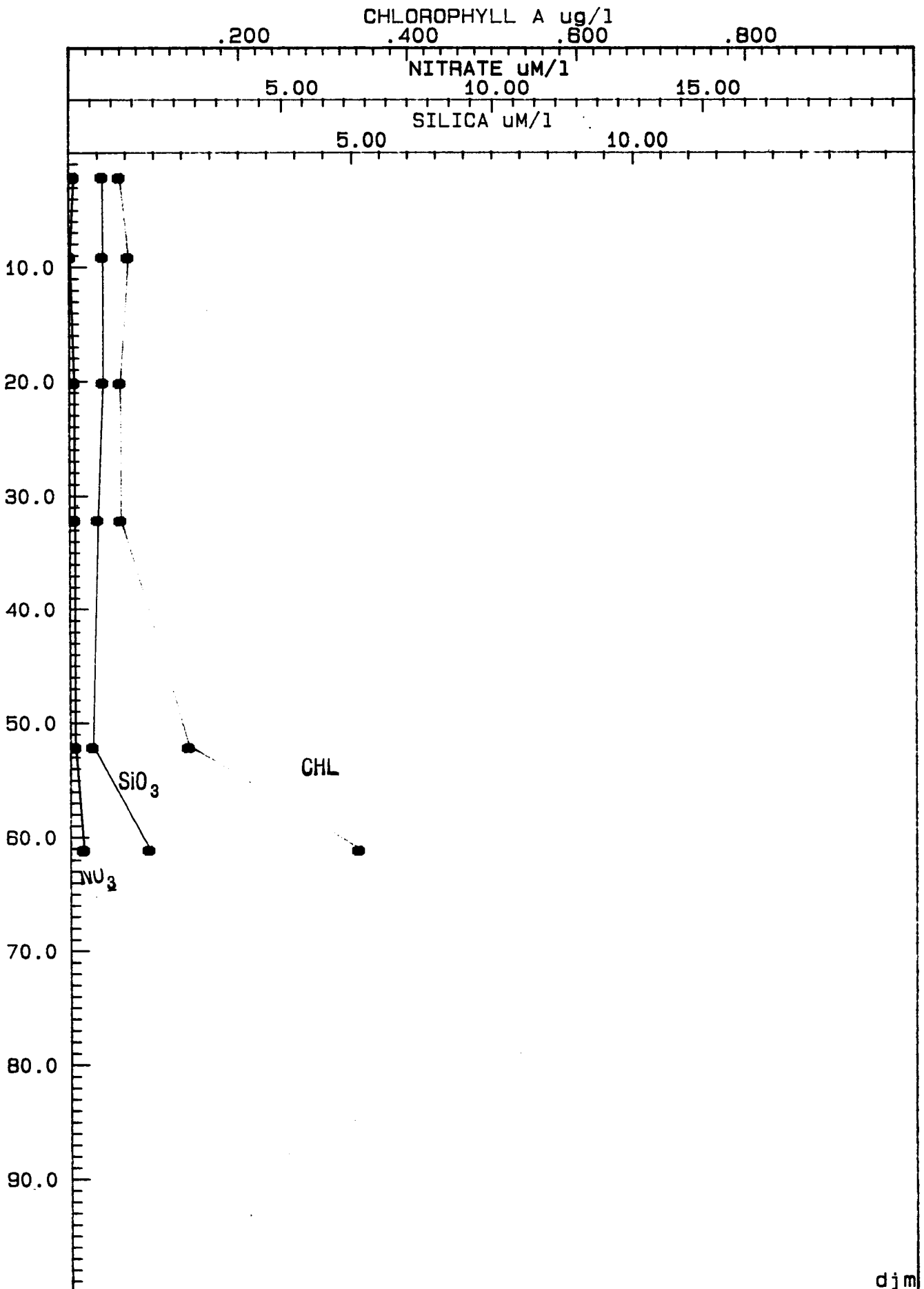
CRUISE 92G10 STATION 004 Date 3/10/92
 LAT 28 05.131N LON 93 42.025W Time 0655 GMT
 Samples 6

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
6	2	36.079	27.049	4.768	0.1	0.02	0.3	0.0	0.05	0.6	0.06	0.18
5	9	36.076	27.042	4.859	0.0	0.00	0.1	0.1	0.01	0.6	0.07	0.02
4	20	36.077	27.044	4.761	0.1	0.00	0.2	0.2	0.02	0.6	0.06	0.02
3	32	36.072	27.058	4.896	0.1	0.01	0.2	0.4	0.06	0.5	0.06	0.02
2	52	36.356	23.144	5.076	0.1	0.01	0.2	0.1	0.09	0.4	0.14	0.11
1	61	36.293	22.367	4.546	0.3	0.15	0.2	0.2	0.12	1.4	0.34	0.24



CRUISE: 92G10 STATION: B92G10*4*1 DATE: 3 OCT 92
LATITUDE: 28 5.1 LONGITUDE: 93 42.0

dim

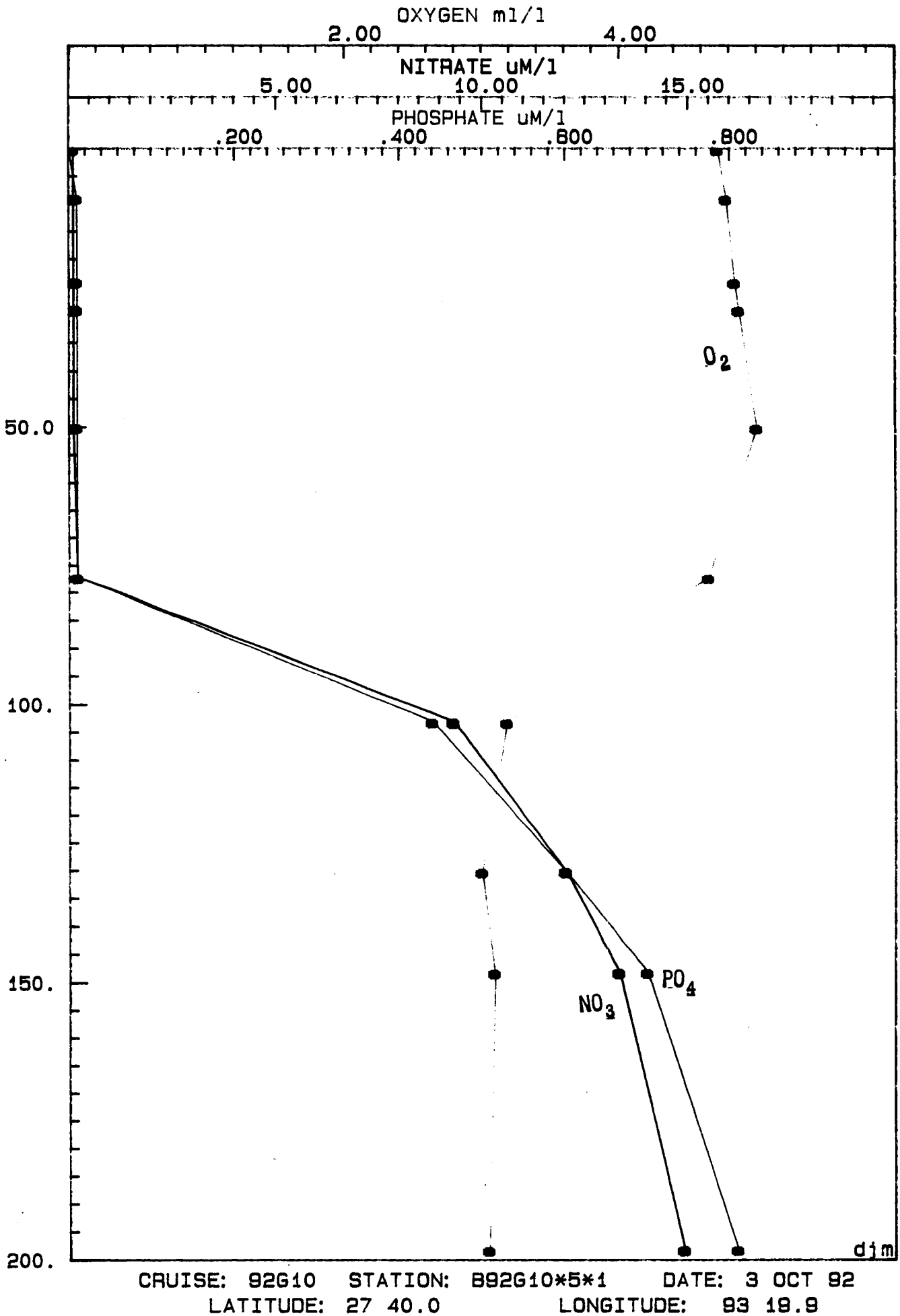


CRUISE: 92G10 STATION: B92G10*4*1 DATE: 3 OCT 92
LATITUDE: 28 5.1 LONGITUDE: 93 42.0

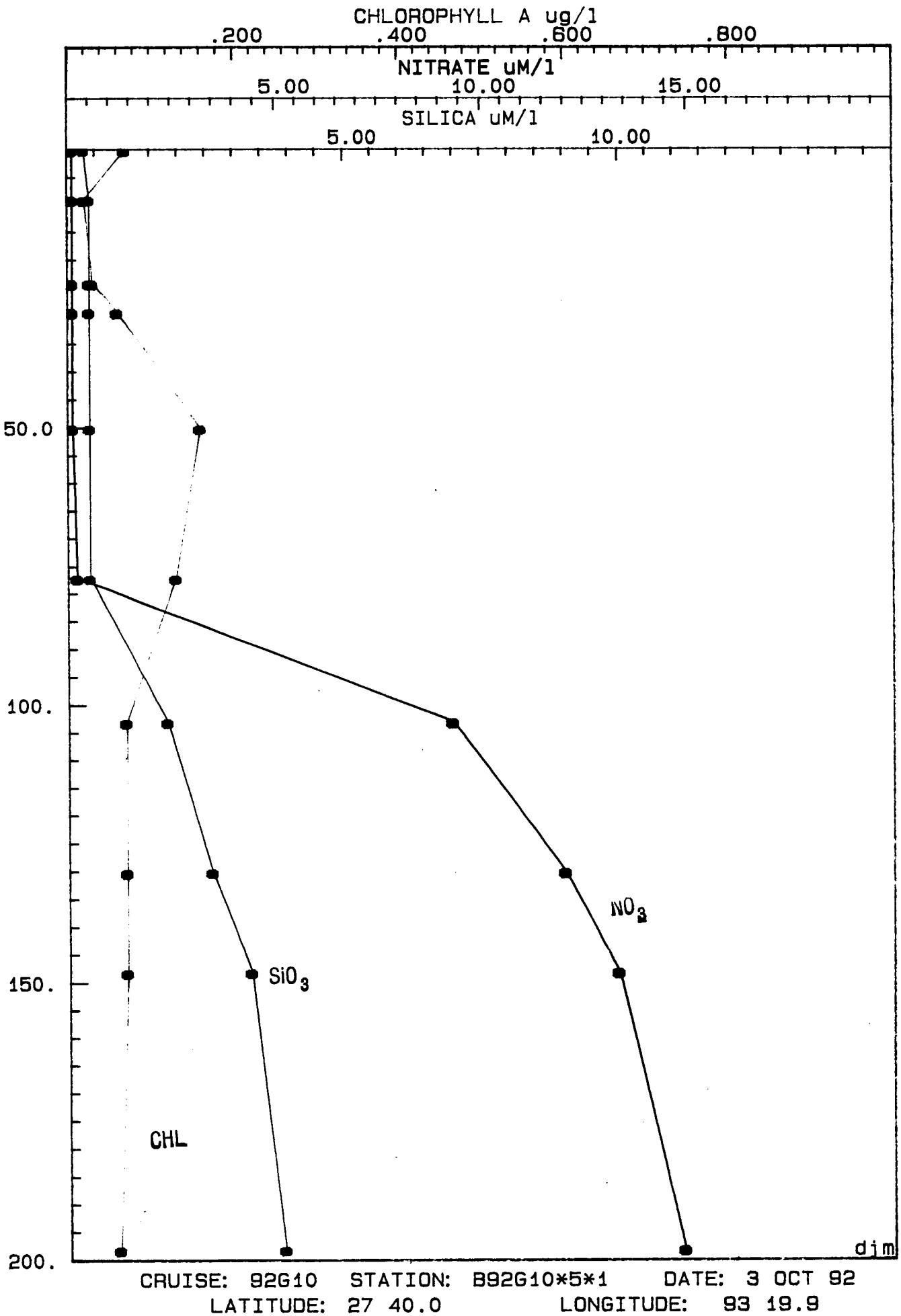
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 005 Date 3/10/92
 LAT 27 40.063N LON 93 19.968W Time 1136 GMT
 Samples 10

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 (umol/l)	NH4 ()	Urea ()	PO4	SiO3	Chl (mg/l)	Pha (mg/l)
5	0	36.217	27.597	4.725	0.1	0.01	0.1	-0.0	0.00	0.3	0.07	.18
4	9	36.216	27.599	4.781	0.1	0.00	0.1	0.0	0.01	0.4	0.02	0.06
3	24	36.214	27.596	4.835	0.1	0.00	0.1	0.0	0.01	0.4	0.03	0.06
2	29	36.216	27.608	4.868	0.1	0.01	0.1	0.0	0.01	0.4	0.06	0.11
1	50	36.213	26.712	4.996	0.1	0.00	0.1	0.0	0.01	0.4	0.16	0.19
12	77	36.340	21.920	4.647	0.2	0.06	0.1	0.0	0.01	0.4	0.13	0.04
11	103	36.431	19.435	3.182	9.3	0.05	0.7	0.0	0.44	1.8	0.07	0.03
10	130	36.407	17.930	2.995	12.0	0.03	0.1	0.0	0.60	2.6	0.07	0.03
9	148	36.338	17.674	3.092	13.3	0.02	0.1	0.0	0.70	3.3	0.07	0.03
8	198	36.196	16.465	3.053	14.9	0.01	0.0	0.0	0.81	3.9	0.06	0.02



CRUISE: 92610 STATION: B92610*5*1 DATE: 3 OCT 92
LATITUDE: 27 40.0 LONGITUDE: 93 19.9

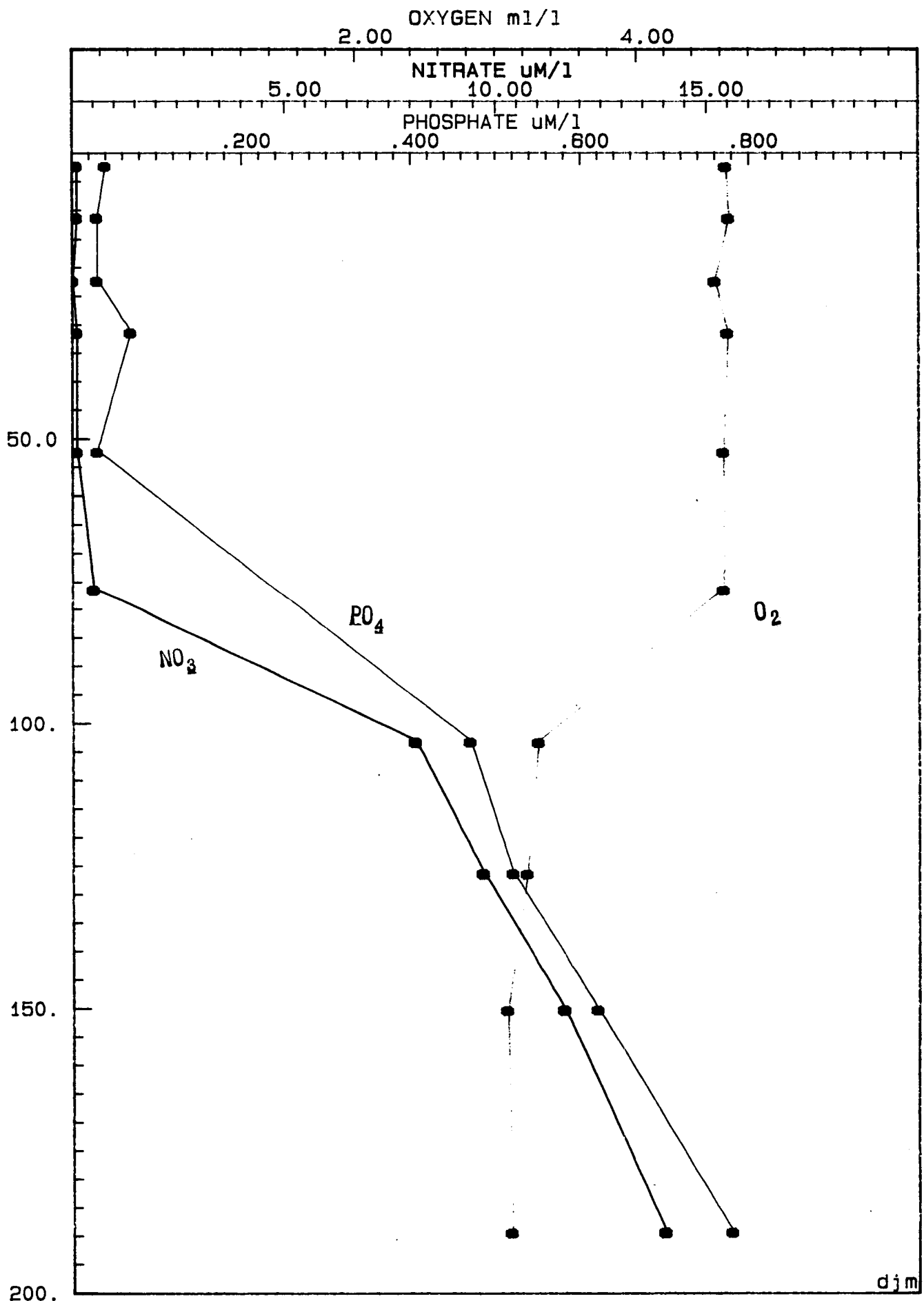


CRUISE: 92G10 STATION: B92G10*5*1 DATE: 3 OCT 92
LATITUDE: 27 40.0 LONGITUDE: 93 19.9

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

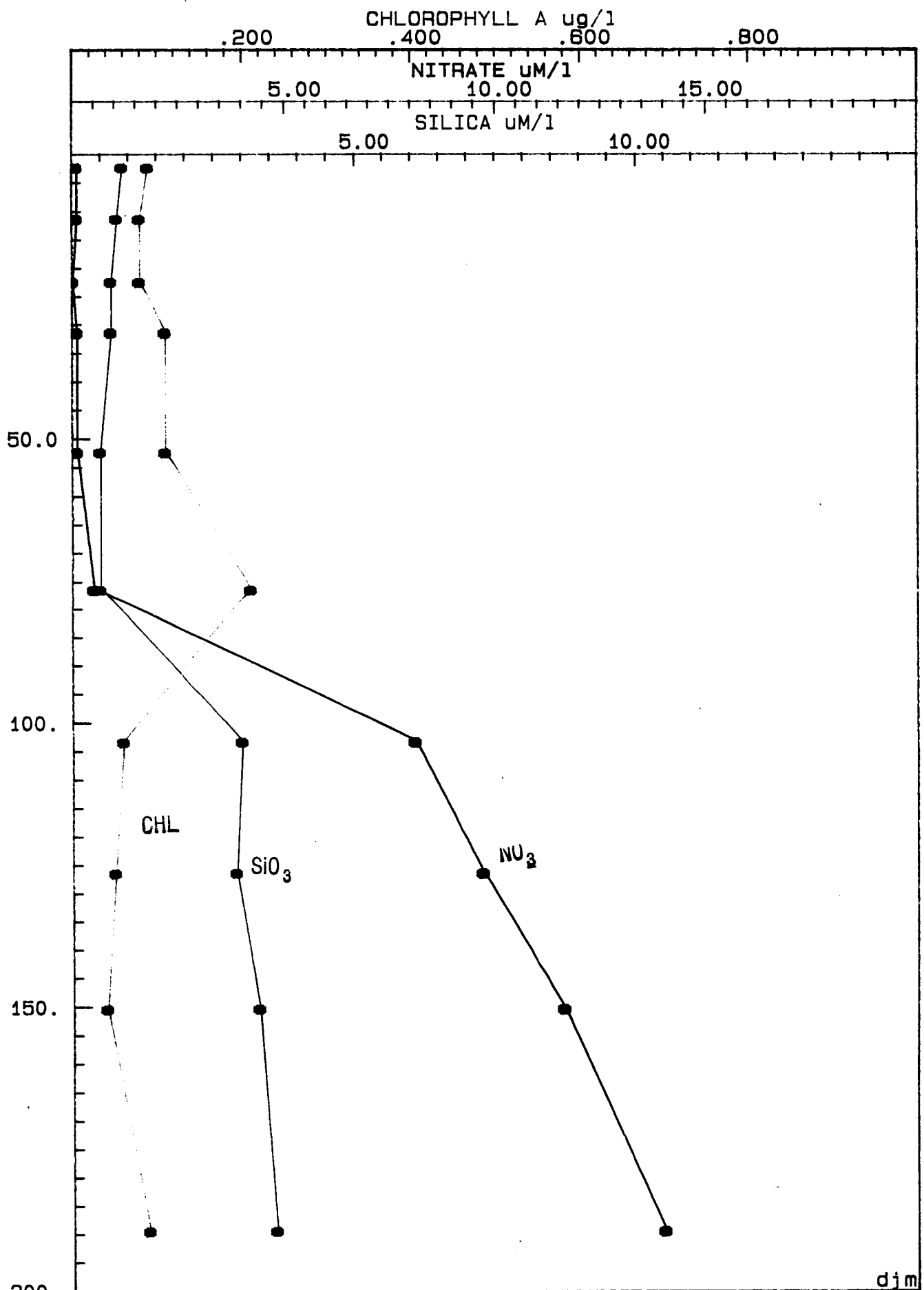
CRUISE 92G10 STATION 006 Date 3/10/92
 LAT 27 50.033N LON 93 00.049W Time 1600 GMT
 Samples 10

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
4	2	36.121	27.501	4.642	0.1	0.01	0.2	0.3	0.04	0.9	0.09	0.02
3	11	36.126	27.507	4.664	0.1	0.01	0.1	0.1	0.03	0.8	0.08	0.02
2	22	36.134	27.502	4.564	0.0	0.01	0.1	0.1	0.03	0.7	0.08	0.03
1	31	36.195	27.512	4.653	0.1	0.01	0.2	0.6	0.07	0.7	0.11	0.02
12	52	36.259	27.541	4.619	0.1	0.01	0.1	0.1	0.03	0.5	0.11	0.03
11	76	36.367	22.258	4.618	0.5	0.14	0.1	0.3		0.5	0.21	0.23
10	103	36.341	19.574	3.299	8.1	0.04	0.0	0.1	0.47	3.0	0.06	0.11
9	126	36.374	19.118	3.224	9.7	0.04	0.0	0.1	0.52	2.9	0.05	0.07
8	150	36.409	18.439	3.077	11.6	0.02	0.0	0.1	0.62	3.3	0.04	0.05
7	189	36.247	16.834	3.113	14.0	0.02	0.0	0.0	0.78	3.6	0.09	0.16



CRUISE: 92G10 STATION: B92G10*6*1 DATE: OCT 92
 LATITUDE: 27 50.0 LONGITUDE: 93 0.0

djm



CRUISE: 92G10 STATION: B92G10*6*1 DATE: OCT 92
LATITUDE: 27 50.0 LONGITUDE: 93 0.0

dim

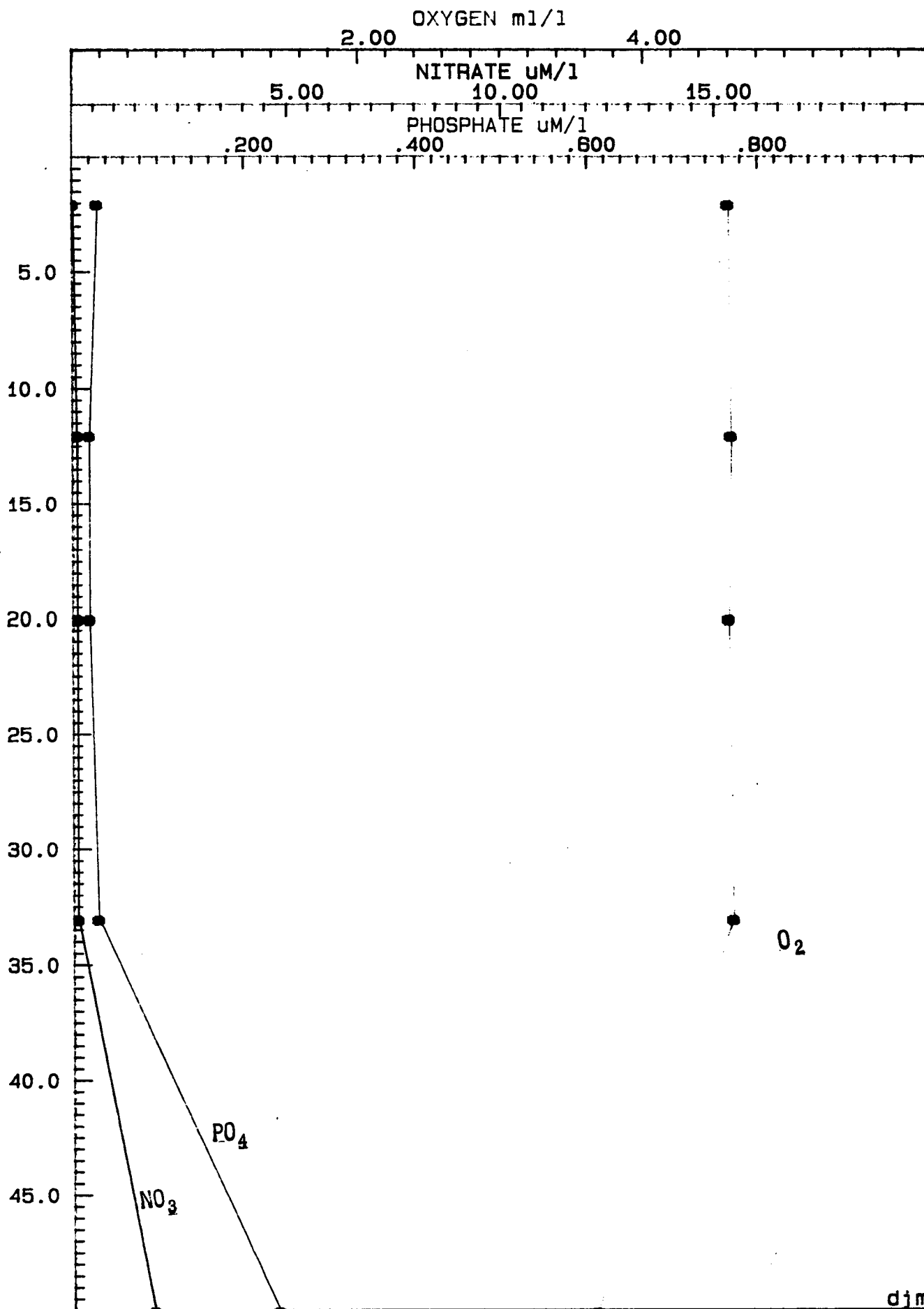
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 007 Date 3/10/92

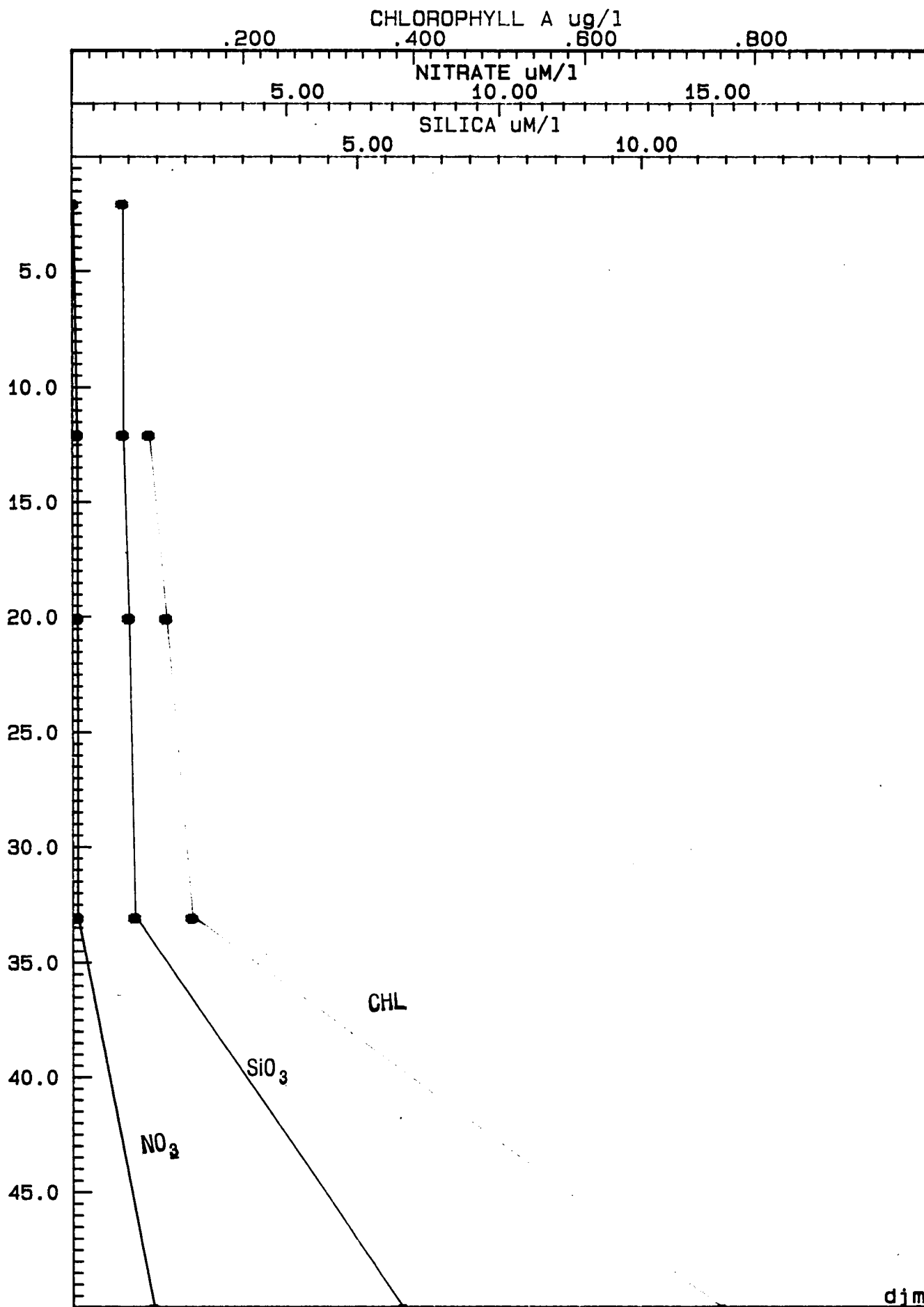
LAT 28 16.84N LON 93 00.069W Time 2036 GMT

Samples 5

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
6	2	35.585	27.074	4.601	0.1	0.00	0.0	0.1	0.03	0.9		
4	12	35.586	27.075	4.622	0.1	0.00	0.0	0.1	0.02	0.9	0.09	0.02
3	20	35.669	27.106	4.604	0.1	0.00	0.0	0.1	0.02	1.0	0.11	0.01
2	33	35.878	27.014	4.631	0.1	0.00	0.1	0.4	0.03	1.1	0.14	0.02
1	50	35.967	23.882	3.674	1.9	0.61	0.1	0.2	0.24	5.8	0.76	0.31



CRUISE: 92G10 STATION: B92G10*7*1 DATE: 3 OCT 92
 LATITUDE: 28 16.8 LONGITUDE: 93 0.0



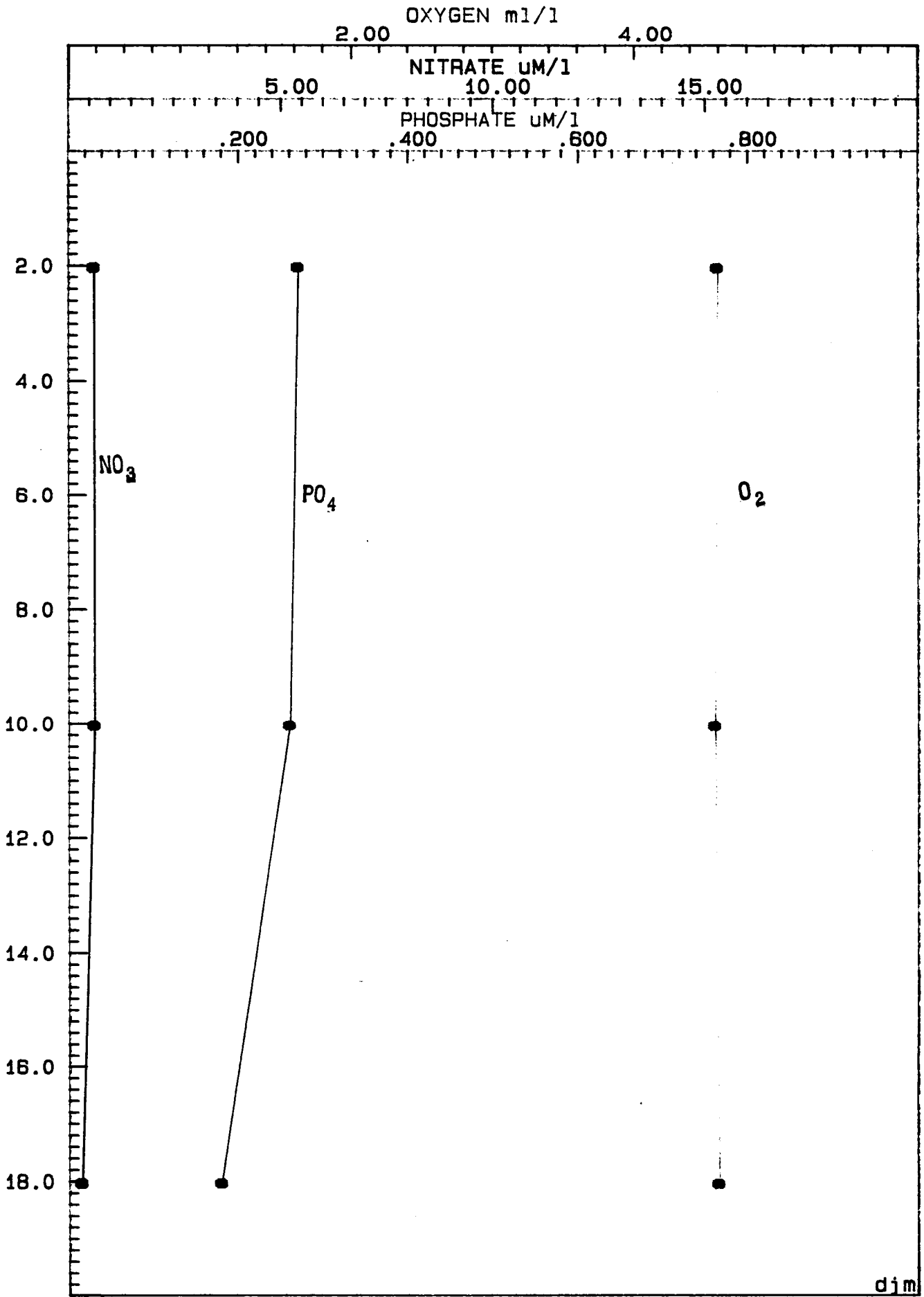
CRUISE: 92G10 STATION: B92G10*7*1 DATE: 3 OCT 92
LATITUDE: 28 16.8 LONGITUDE: 93 0.0

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

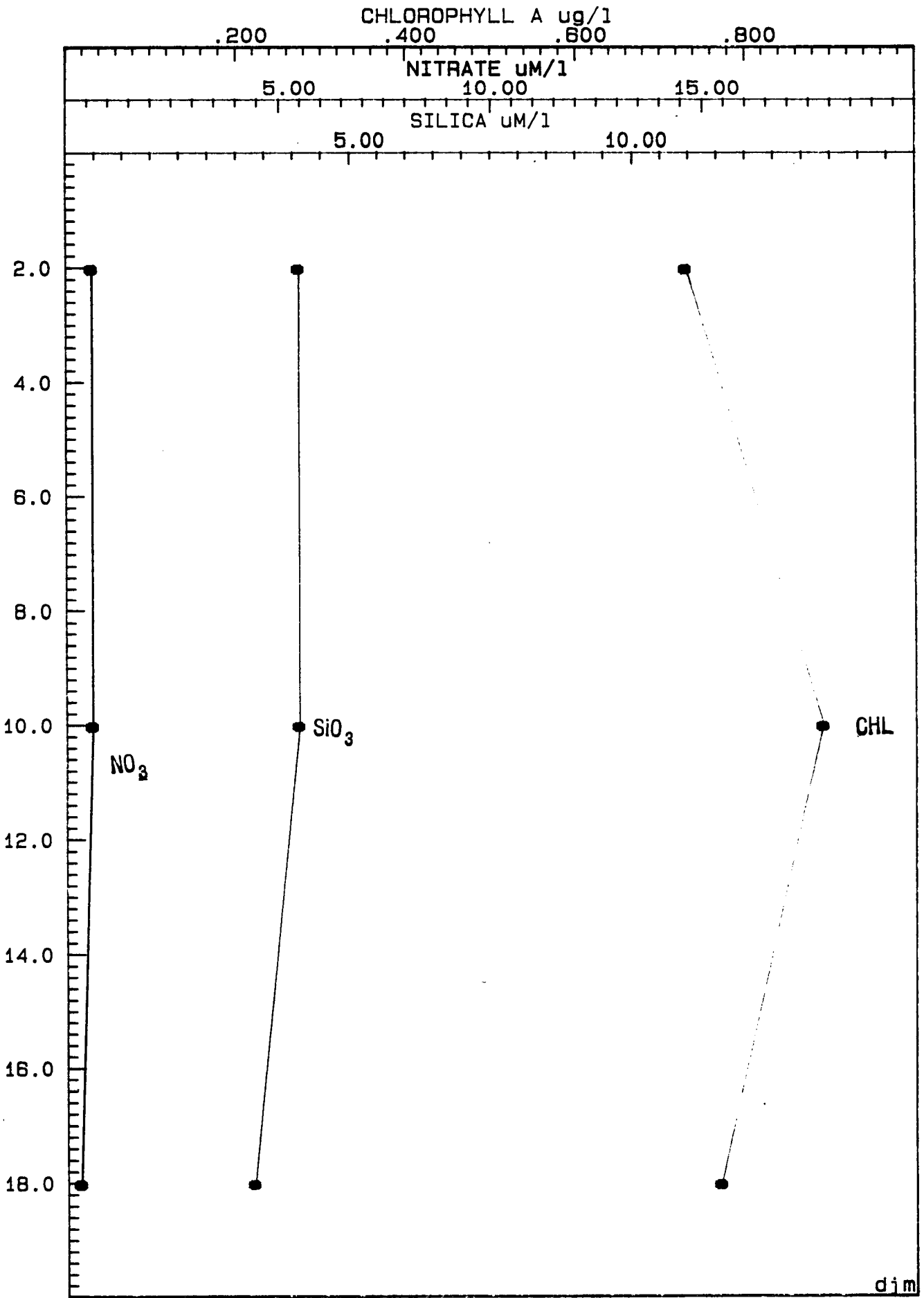
CRUISE	92G10	STATION	008	Date	4/10/92
LAT	28 56.019N	LON	93 00.011W	Time	0145 GMT
Samples	3				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
10	2	33.108	25.985	4.590	0.6	0.53	0.4	0.2	0.27	4.1	0.73	0.80
8	10	33.136	25.994	4.567	0.6	0.51	0.4	0.5	0.26	4.1	0.89	0.11
7	18	33.561	26.433	4.603	0.3	0.26	0.1	0.1	0.18	3.3	0.77	0.07



CRUISE: 92610 STATION: B92610*8*1 DATE: OCT 92
LATITUDE: 28 56.0 LONGITUDE: 93 0.0

djm



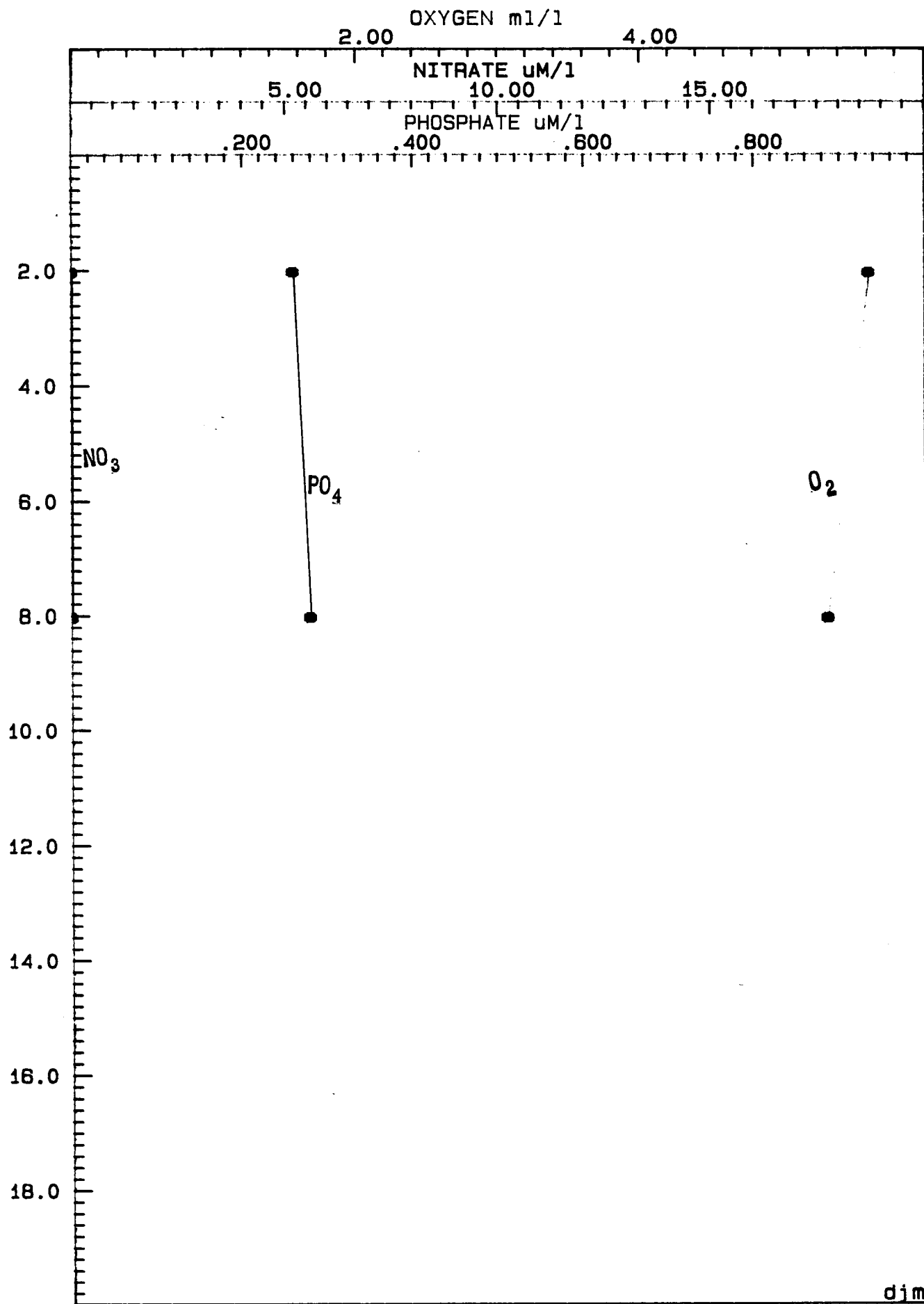
CRUISE: 92G10 STATION: B92G10*8*1 DATE: OCT 92
LATITUDE: 28 56.0 LONGITUDE: 93 0.0

djm

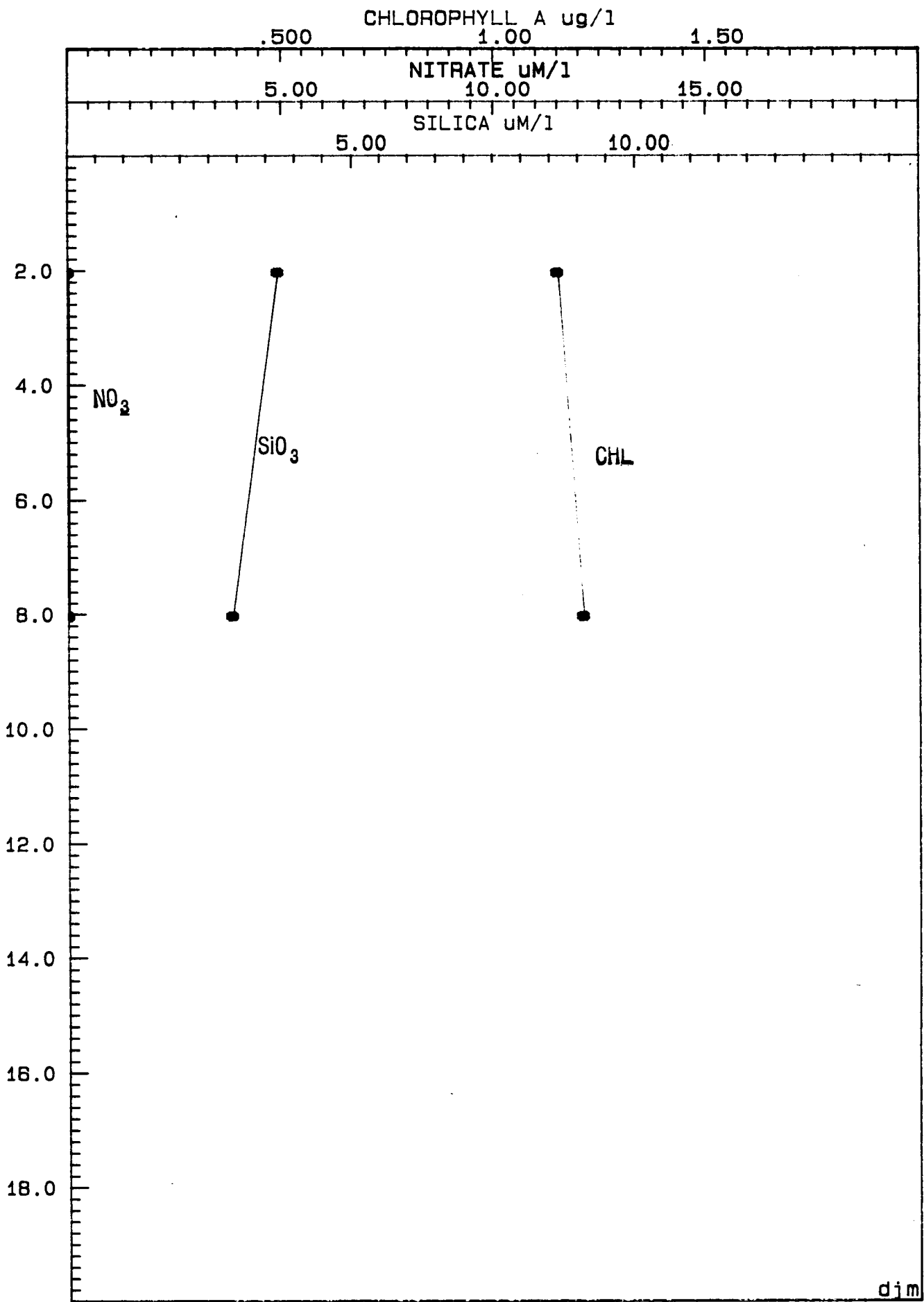
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 009 Date 4/10/92
 LAT 29 29.856N LON 93 00.045W Time 0646 GMT
 Samples 2

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
3	2	28.484	24.226	5.610	-0.0	0.02	0.1	0.1	0.26	3.7	1.15	0.22
1	8	29.384	24.528	5.325	0.0	0.05	0.2	0.4	0.28	2.9	1.21	2.00



CRUISE: 92610 STATION: B92610*9*1 DATE: OCT 92
 LATITUDE: 29 29.8 LONGITUDE: 93 0.0



CRUISE: 92G10 STATION: B92G10*9*1 DATE: OCT 92
LATITUDE: 29 29.8 LONGITUDE: 93 0.0

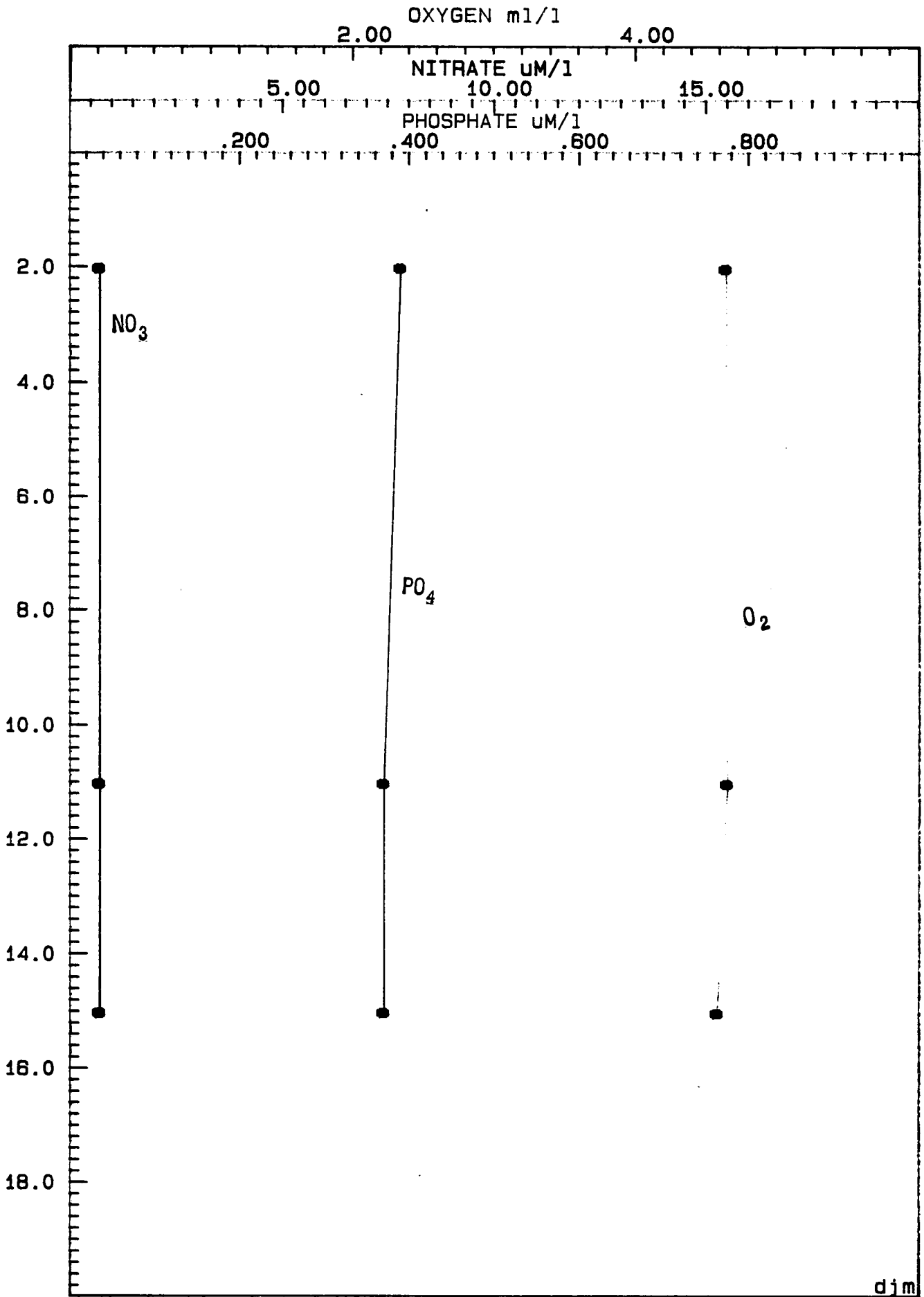
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 010 Date 4/10/92

LAT 29 29.856N LON 92 35.055W Time 1100 GMT

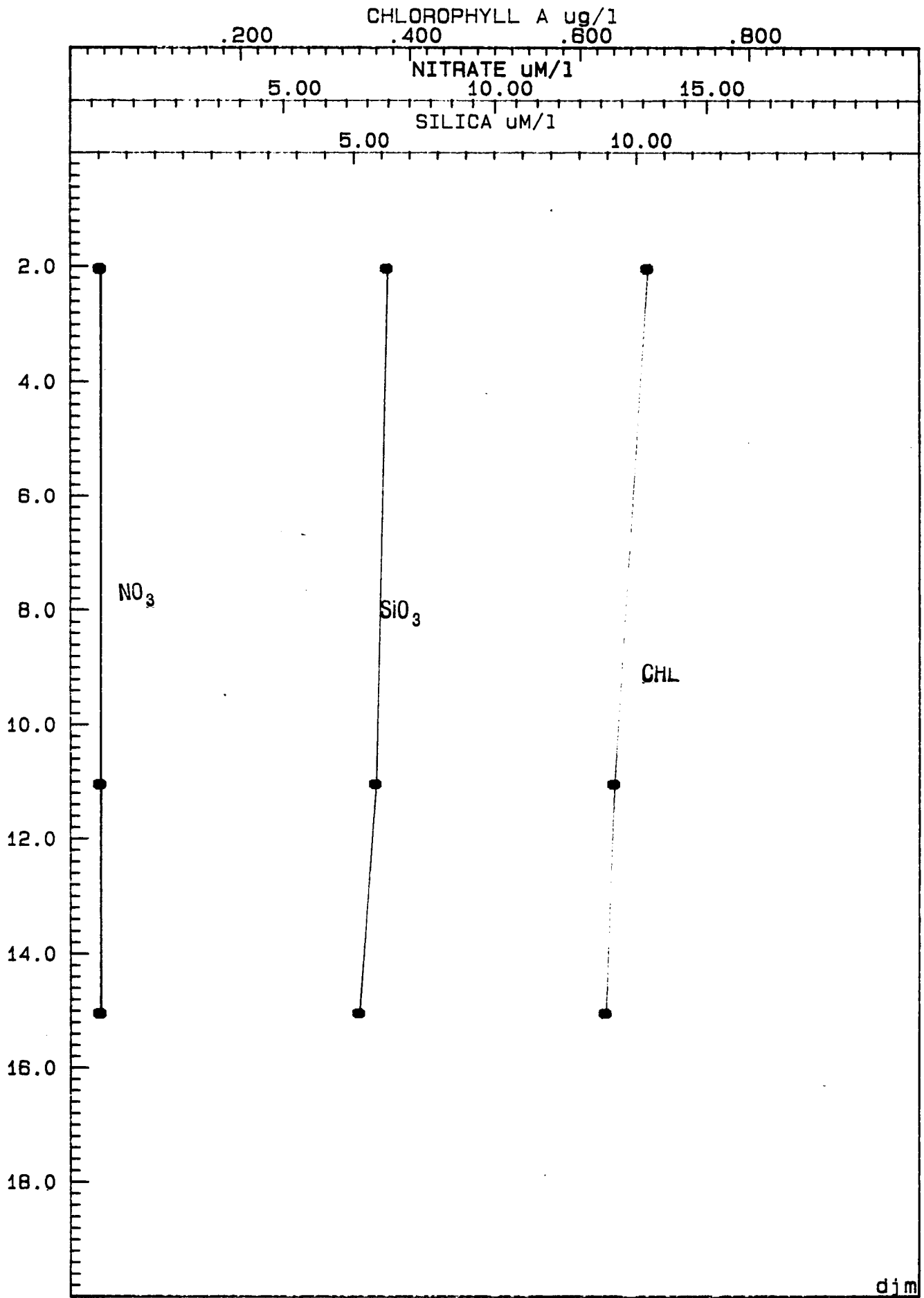
Samples 3

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
9	2	30.652	25.186	4.643	0.7	1.70	1.3	0.4	0.39	5.6	0.68	0.16
8	11	30.711	25.278	4.646	0.7	1.65	1.2	0.4	0.37	5.4	0.64	0.13
7	15	30.801	25.362	4.585	0.7	1.53	1.1	0.4	0.37	5.1	0.63	0.13



CRUISE: 92G10 STATION: B92G10*10*1 DATE: OCT 92
LATITUDE: 29 29.8 LONGITUDE: 92 35.0

djm



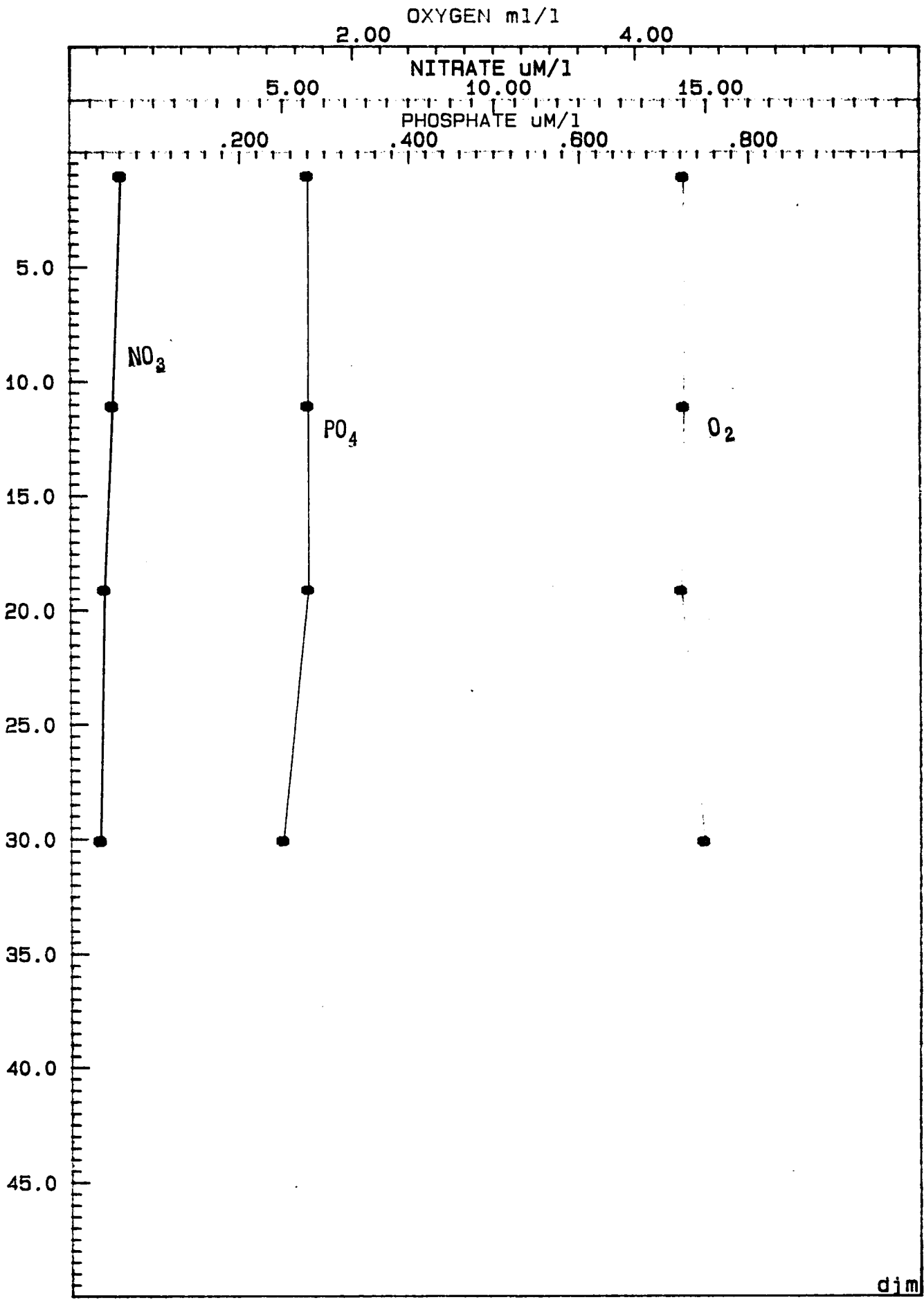
CRUISE: 92G10 STATION: B92G10*10*1 DATE: OCT 92
LATITUDE: 29 29.8 LONGITUDE: 92 35.0

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

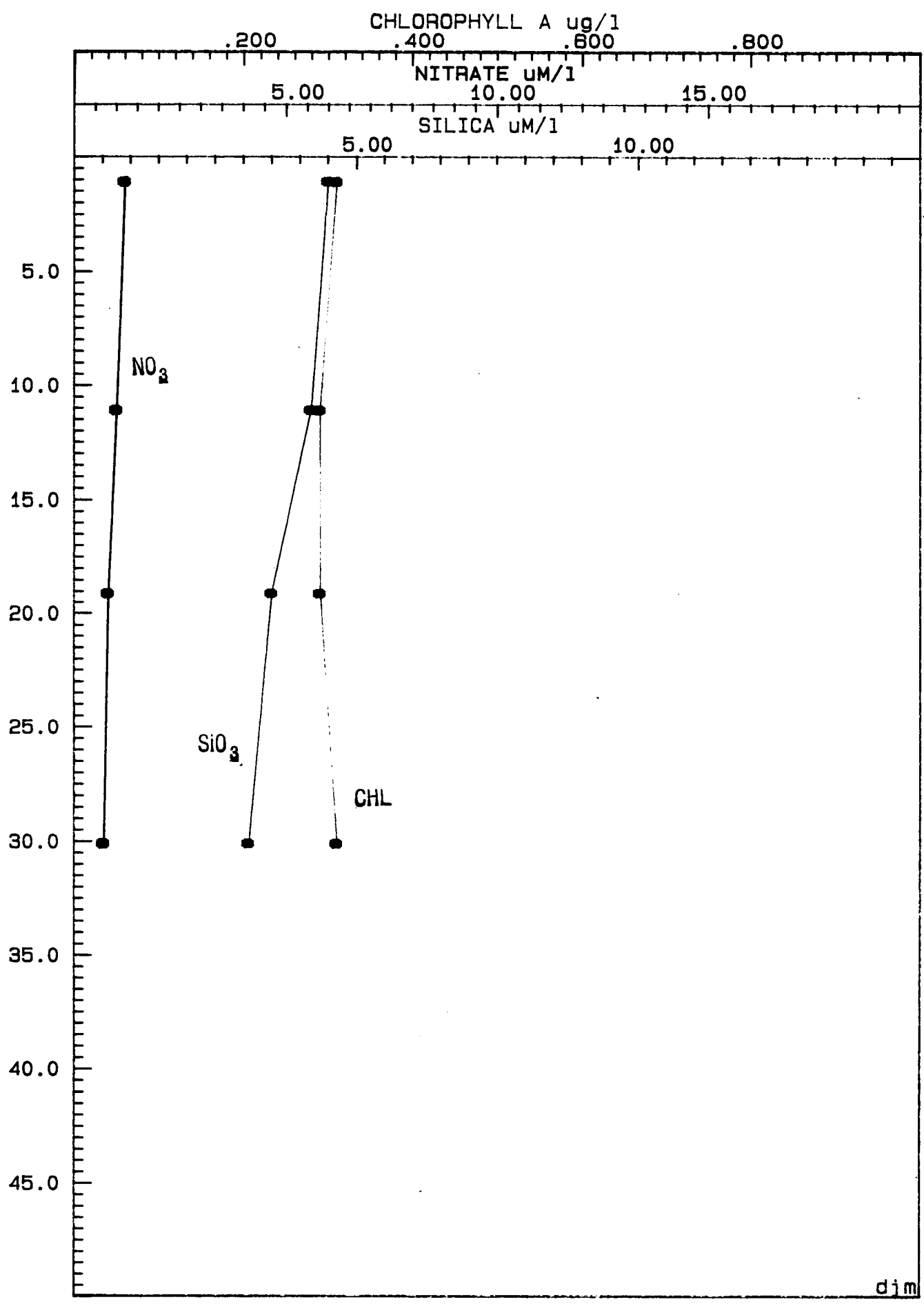
CRUISE 92G10 STATION 011 Date 4/10/92
 LAT 28 39.925N LON 92 23.0W Time 1530 GMT
 Samples 4

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
2	1	34.147	26.368	4.338	1.2	0.97	0.3	0.7	0.28	4.5	0.31	0.07
1	11	34.188	26.321	4.344	1.0	0.94	0.2	0.4	0.28	4.2	0.29	0.11
12	19	34.260	26.302	4.317	0.8	0.76	0.2	0.5	0.28	3.5	0.29	0.09
11	30	34.303	26.280	4.485	0.7	0.64	0.2	0.1	0.25	3.1	0.31	0.12



CRUISE: 92G10 STATION: B92G10*11*1 DATE: OCT 92
LATITUDE: 28 39.9 LONGITUDE: 92 23.0

djm

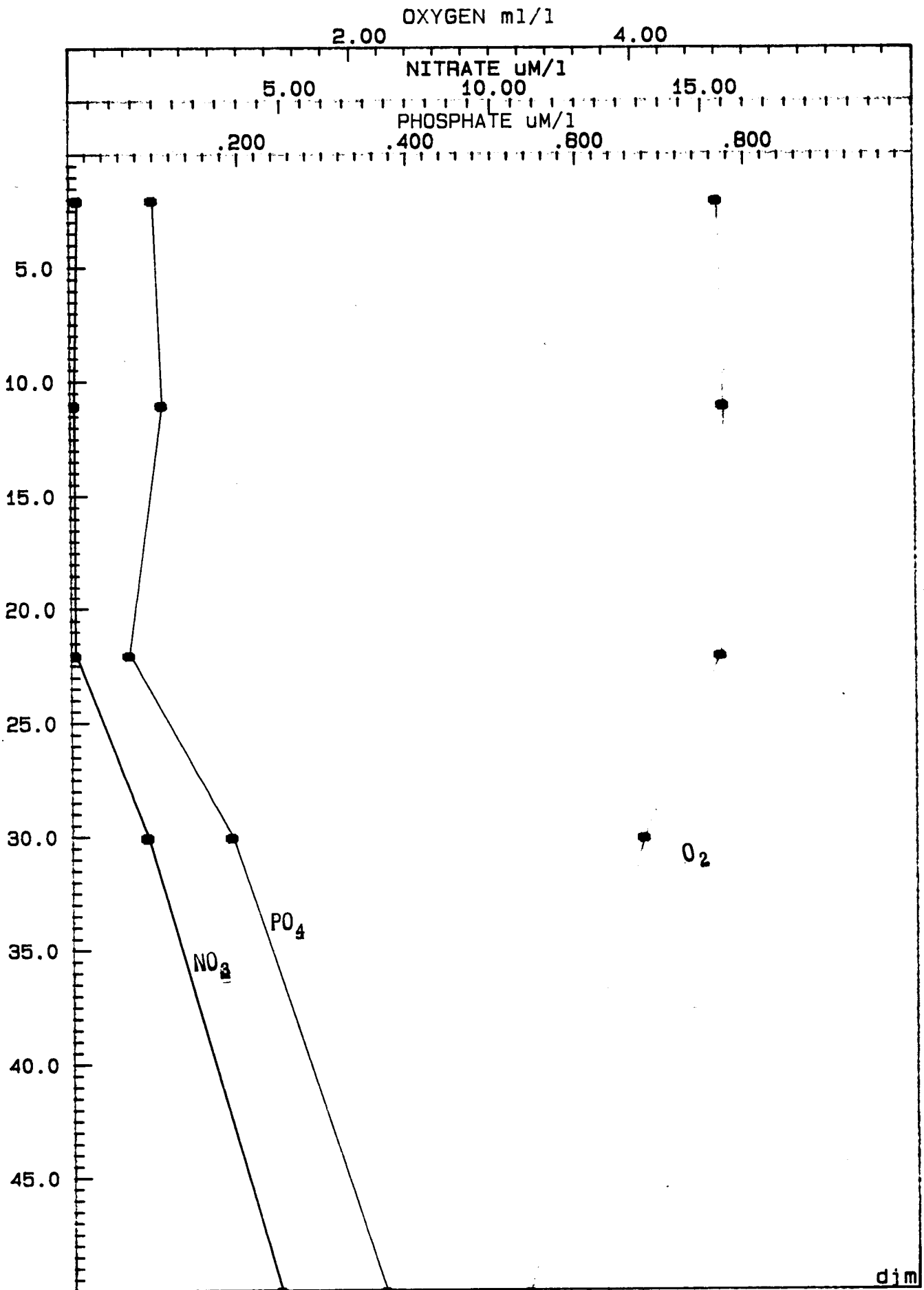


CRUISE: 92G10 STATION: B92G10*11*1 DATE: OCT 92
LATITUDE: 28 39.9 LONGITUDE: 92 23.0

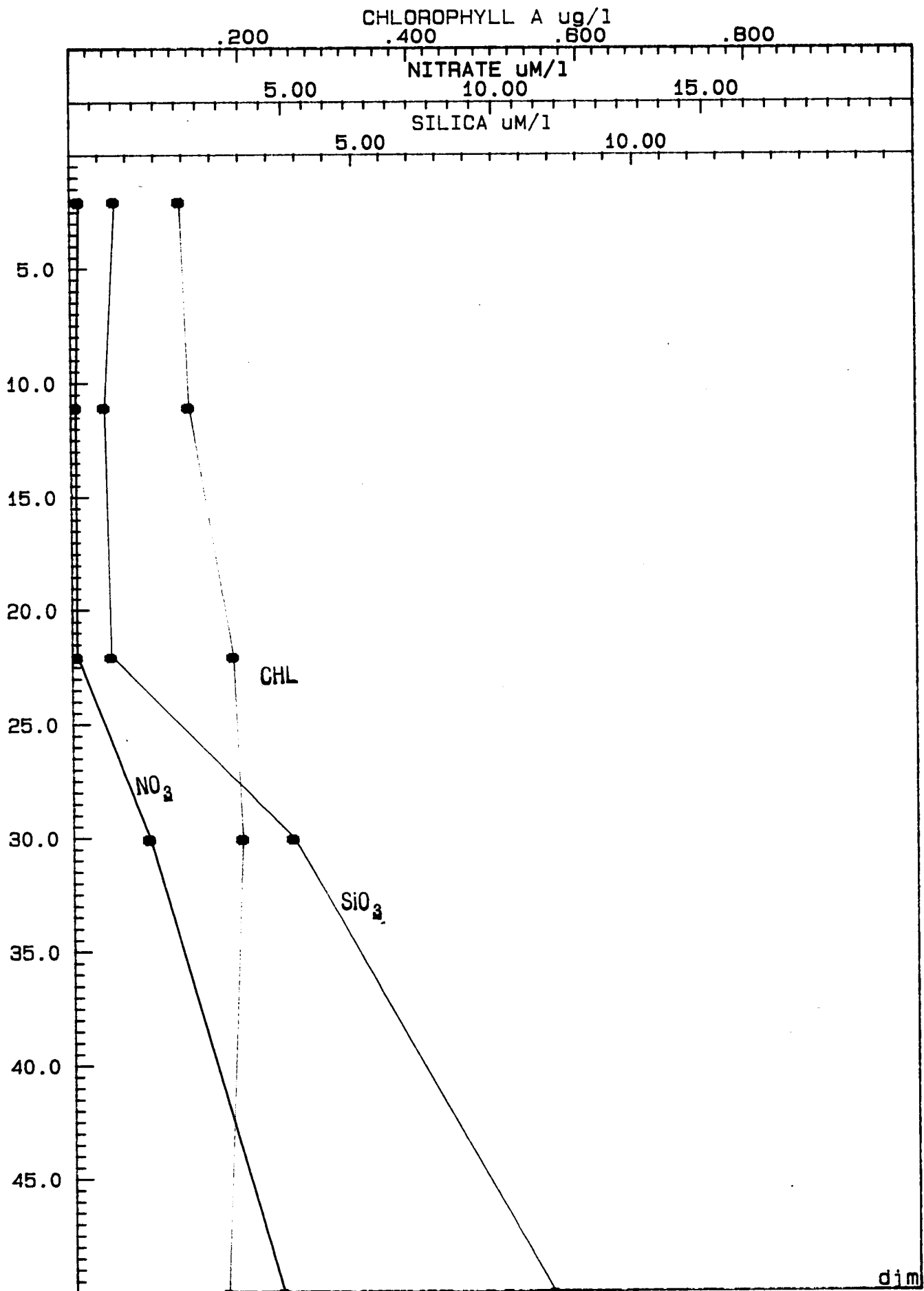
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 012 Date 4/10/92
 LAT 28 20.124N LON 92 09.064W Time 1840 GMT
 Samples 5

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl	Pha (mg/l)
7	2	35.059	26.959	4.611	0.2	0.02	0.1	0.2	0.10	0.8	0.13	0.01
6	11	35.196	26.914	4.650	0.1	0.01	0.1	0.1	0.11	0.6	0.14	0.03
5	22	35.231	26.869	4.620	0.1	0.01	0.2	0.4	0.07	0.7	0.19	
4	30	35.358	26.520	4.071	1.8	0.04	0.1	0.1	0.19	3.9	0.20	0.11
3	50	35.522	23.737	3.235	4.9	0.05	0.2	0.1	0.37	8.5	0.18	0.04



CRUISE: 92G10 STATION: B92G10*12*1 DATE: OCT 92
LATITUDE: 28 20.1 LONGITUDE: 92 9.0



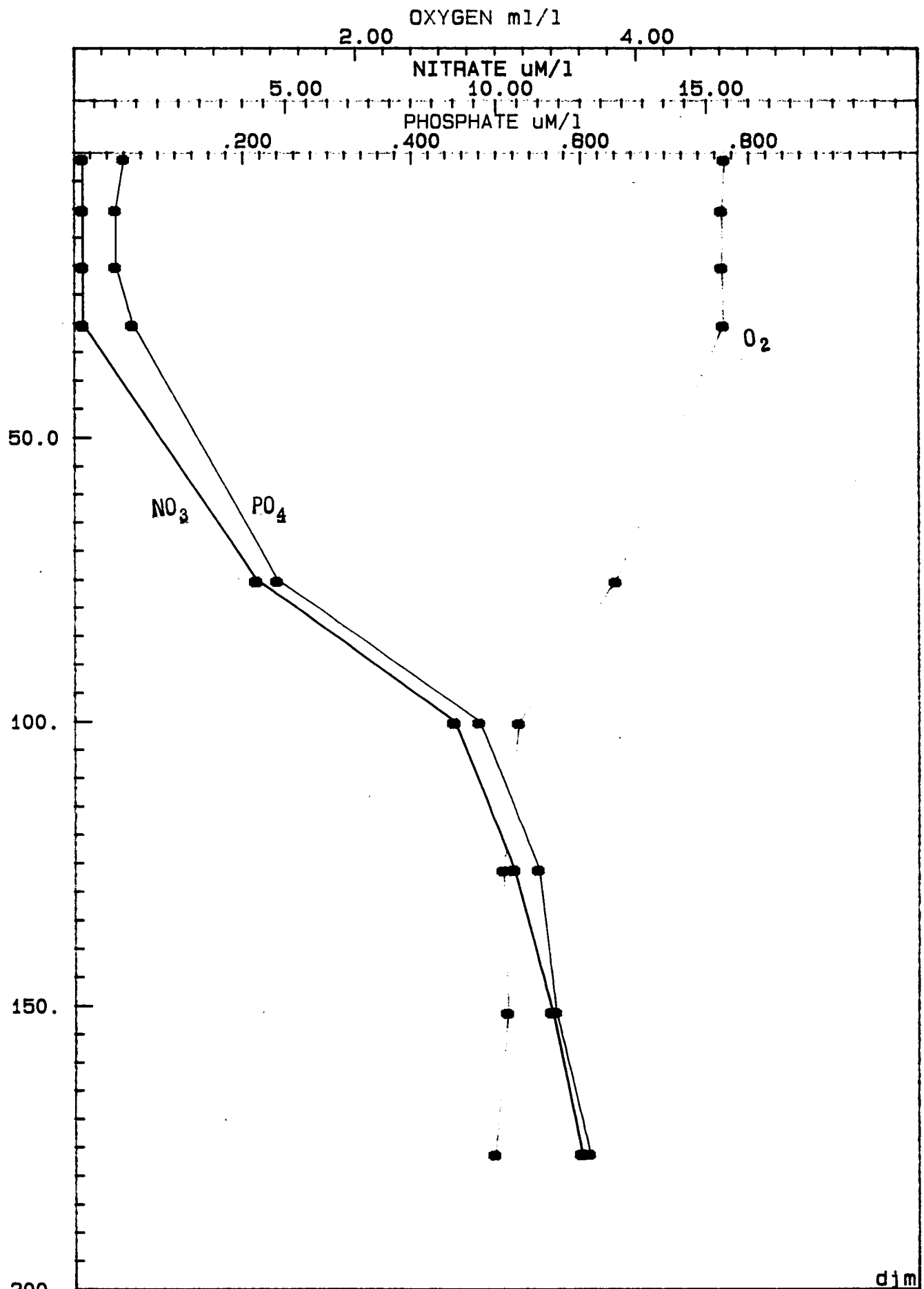
CRUISE: 92610 STATION: B92610*12*1 DATE: OCT 92
LATITUDE: 28 20.1 LONGITUDE: 92 9.0

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

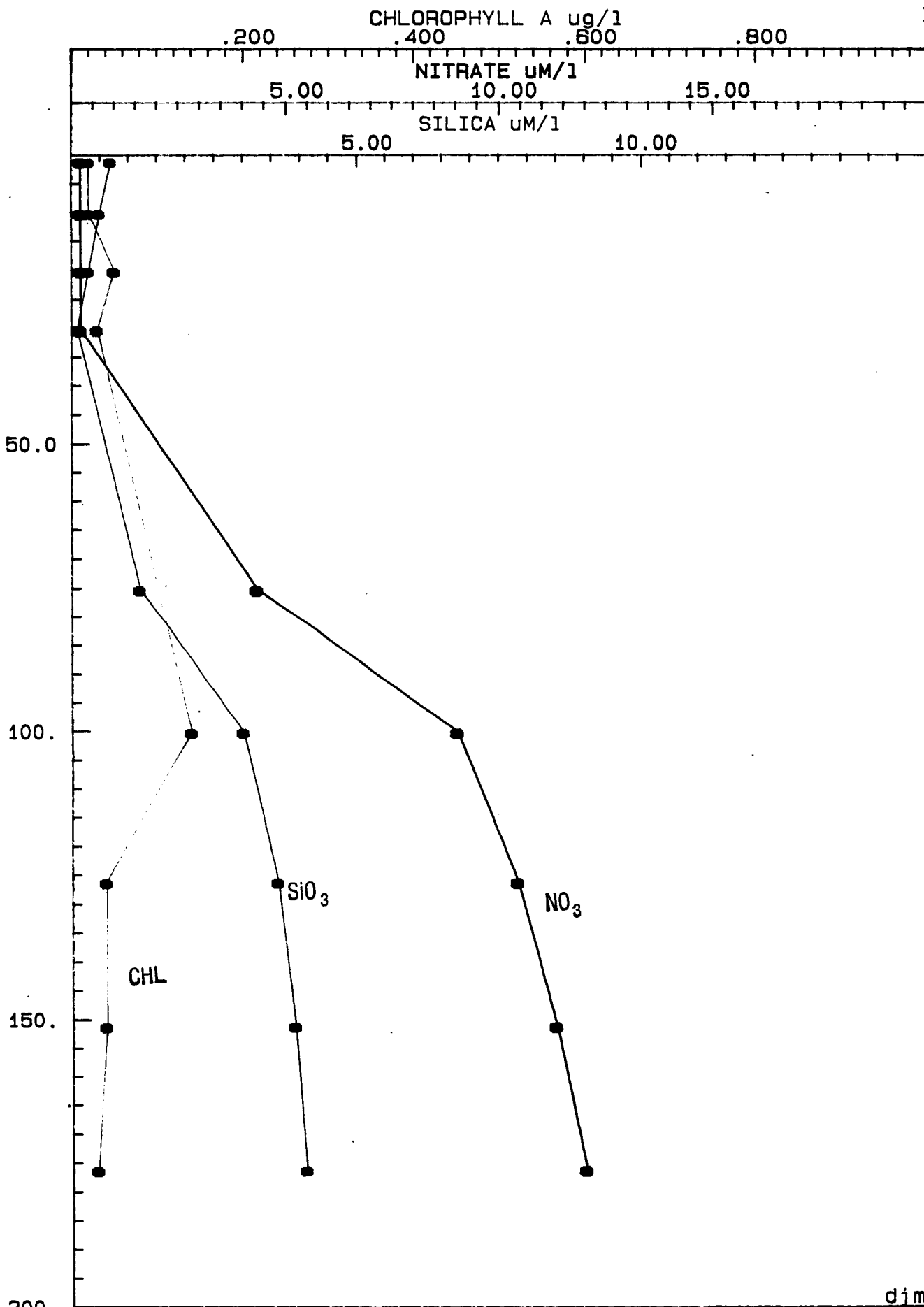
CRUISE 92G10 STATION 013 Date 4/10/92
 LAT 27 54.989N LON 91 52.039W Time 2253 GMT
 Samples 9

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
6	1	35.046	27.081	4.627	0.2	0.00	0.2	0.2	0.06	0.7	0.11	0.02
5	10	35.085	27.098	4.613	0.2	0.01	0.1	0.1	0.05	0.5	0.12	0.02
4	20	35.302	27.240	4.609	0.2	0.01	0.0	0.1	0.05	0.3	0.18	0.05
3	30	35.345	27.053	4.619	0.2	0.01	0.5	0.4	0.07	0.1	0.13	0.03
1	75	36.229	21.058	3.851	4.3	0.17	0.0	0.1	0.24	1.2		
12	100	36.344	19.369	3.163	9.0	0.05	0.1	0.1	0.48	3.0	0.13	0.14
11	126	36.369	18.837	3.047	10.4	0.03	0.0	0.1	0.55	3.6	0.11	0.04
10	151	36.370	18.337	3.075	11.3	0.03	0.2	0.1	0.57	3.9	0.05	0.04
9	176	36.353	17.891	2.992	12.0	0.05	0.2	0.1	0.61	4.1	0.03	0.03



CRUISE: 92G10 STATION: B92G10*13*1 DATE: OCT 92
LATITUDE: 27 54.9 LONGITUDE: 91 52.0

djm



CRUISE: 92610 STATION: B92610*13*1 DATE: OCT 92
LATITUDE: 27 54.9 LONGITUDE: 91 52.0

djm

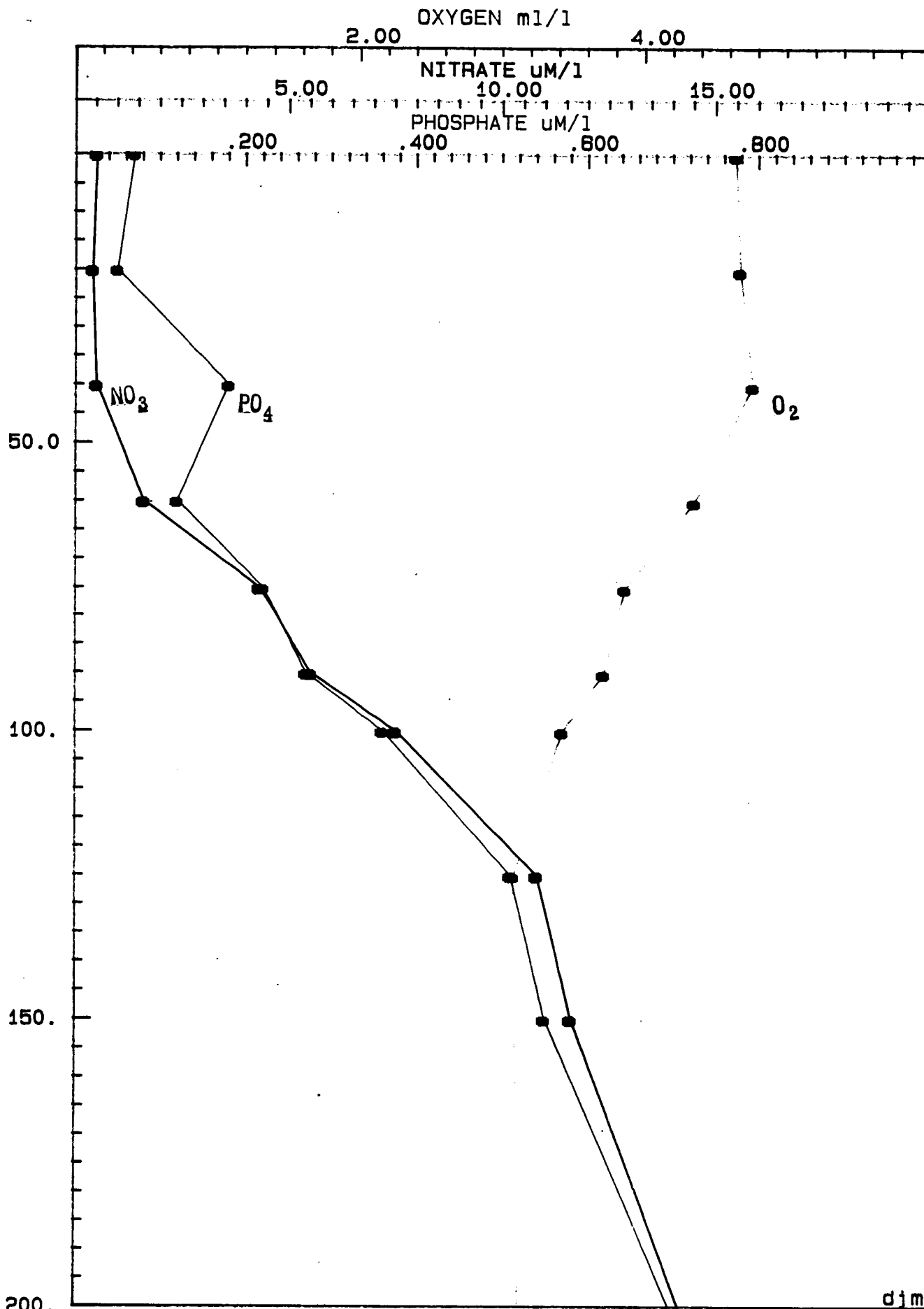
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 014 Date 5/10/92
 LAT 27 45.42N LON 91 44.378W Time 0115 GMT
 Samples 11

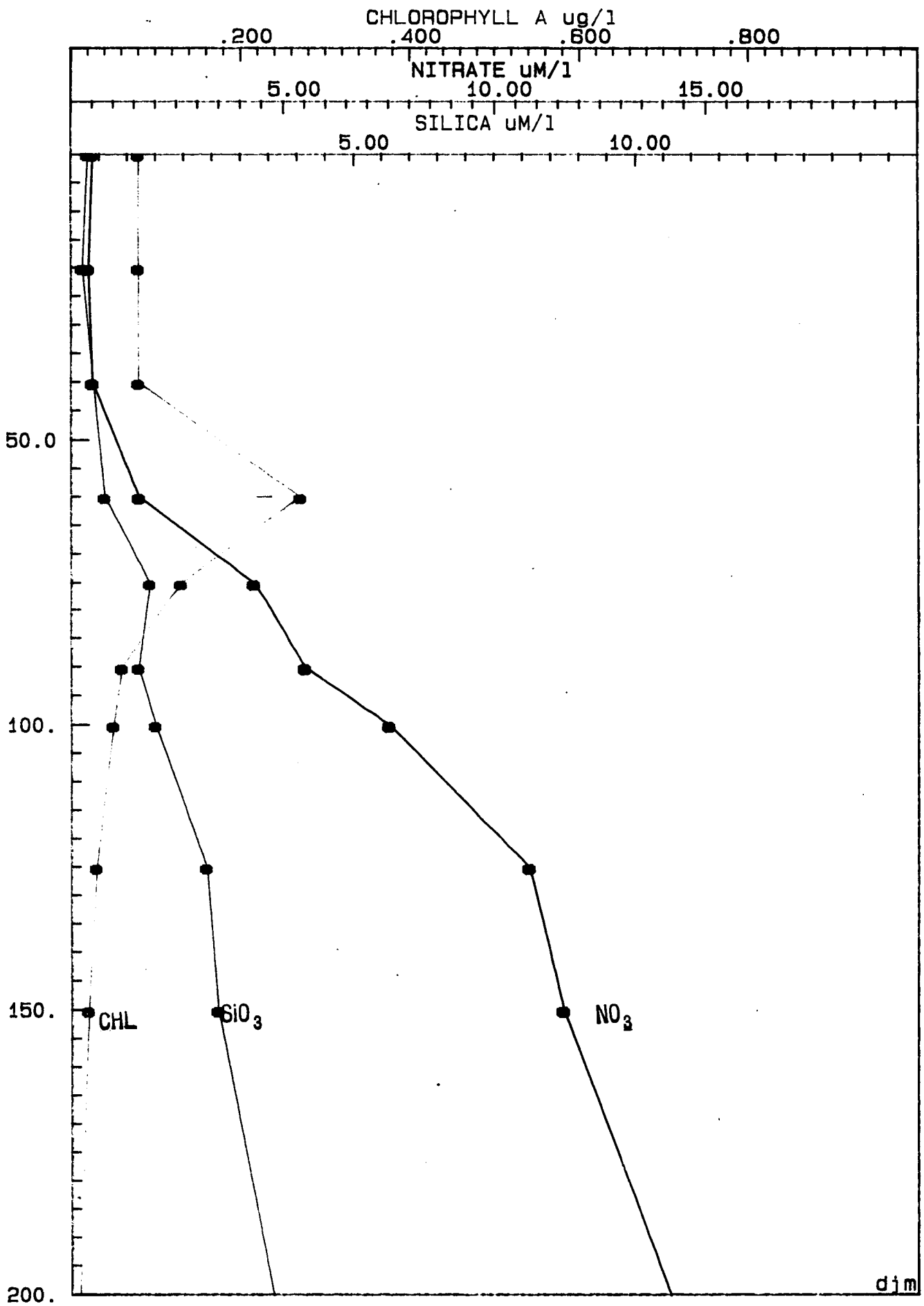
Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
11	1	35.275	27.197	4.637	0.5	0.02	0.2	0.1	0.07	0.3	0.08	0.02
10	20	35.351	27.184	4.671	0.4	0.02	0.2	0.1	0.05	0.2	0.08	0.02
9	40	35.600	27.331	4.760	0.5	0.02	0.3	0.2	0.18	0.4	0.08	0.03
8	60	36.034	23.290	4.351	1.6	0.26	0.2	0.1	0.12	0.6	0.27	0.17
7	75	36.216	21.247	3.856	4.3	0.14	0.2	0.1	0.22	1.4	0.13	0.15
6	90	36.429	20.617	3.710	5.5	0.05	0.1	0.1	0.27	1.2	0.06	0.14
5	100	36.443	19.882	3.415	7.5	0.05	0.1	0.1	0.36	1.5	0.05	0.09
4	125	36.460	18.880	3.081	10.8	0.02	0.1	0.1	0.51	2.4	0.03	0.04
3	150	36.320	17.885		11.6	0.02	0.1	0.1	0.55	2.6	0.02	0.03
1	201	36.195	16.332	3.116	14.2	0.02	0.1	0.1	0.70	3.6	0.01	0.01

CRUISE 92G10 STATION 014A Date 5/10/92
 LAT 27 45.367N LON 91 44.849W Time 0243 GMT
 Samples 3

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
12	301	35.743	13.741	2.943	19.7	0.02	0.2	0.1	1.03	6.9		
11	402	35.455	11.745	2.786	23.8	0.02	0.1	0.1	1.28	10.2		
10	448	35.319	10.750	2.736	25.9	0.02	0.3	0.1	1.39	11.9		



CRUISE: 92G10 STATION: B92G10*14*1 DATE: 5 OCT 92
LATITUDE: 27 45.4 LONGITUDE: 91 44.3

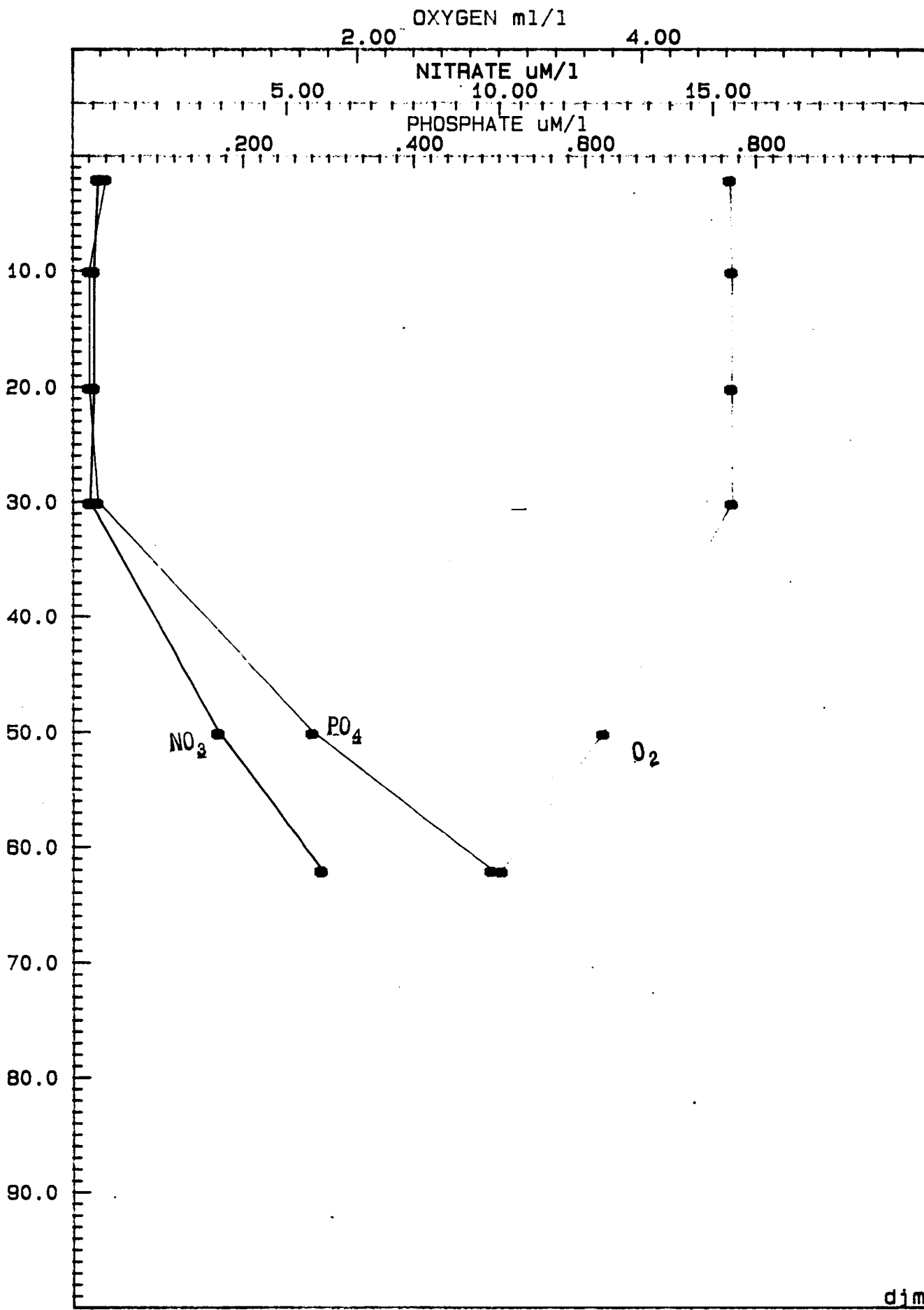


CRUISE: 92G10 STATION: B92G10*14*1 DATE: 5 OCT 92
LATITUDE: 27 45.4 LONGITUDE: 91 44.3

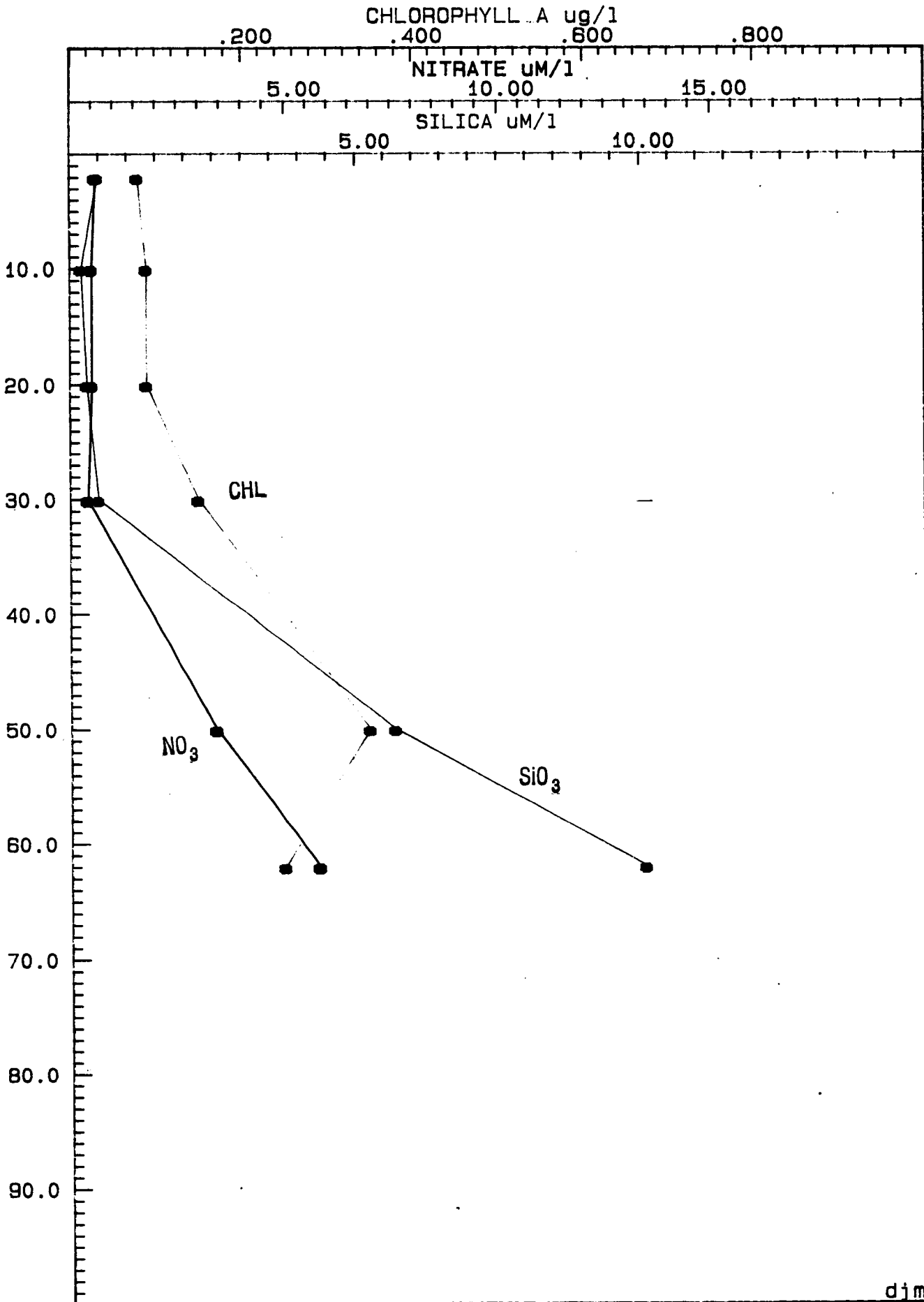
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE 92G10 STATION 015 Date 5/10/92
 LAT 28 18.91N LON 91 36.042W Time 0906 GMT
 Samples 6

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea ()	PO4	SiO3	Chl (mg/l)	Pha (mg/l)
6	2	35.050	26.752	4.624	-0.6	0.01	0.2	0.1	0.04	0.5	0.08	0.02
5	10	35.063	26.747	4.633	0.5	0.00	0.2	0.1	0.02	0.2	0.09	0.01
4	20	35.150	26.777	4.632	0.5	0.01	0.0	0.0	0.02	0.3	0.09	0.03
3	30	35.247	26.610	4.627	0.4	0.00	0.0	0.0	0.03	0.5	0.15	0.06
2	50	35.515	25.591	3.722	3.4	0.11	0.2	0.1	0.28	5.7	0.35	0.11
1	62	35.676	23.453	3.013	5.8	0.17	0.3	0.3	0.49	10.1	0.25	0.14



CRUISE: 92G10 STATION: B92G10*15*1 DATE: 5 OCT 92
LATITUDE: 28 18.9 LONGITUDE: 91 36.0

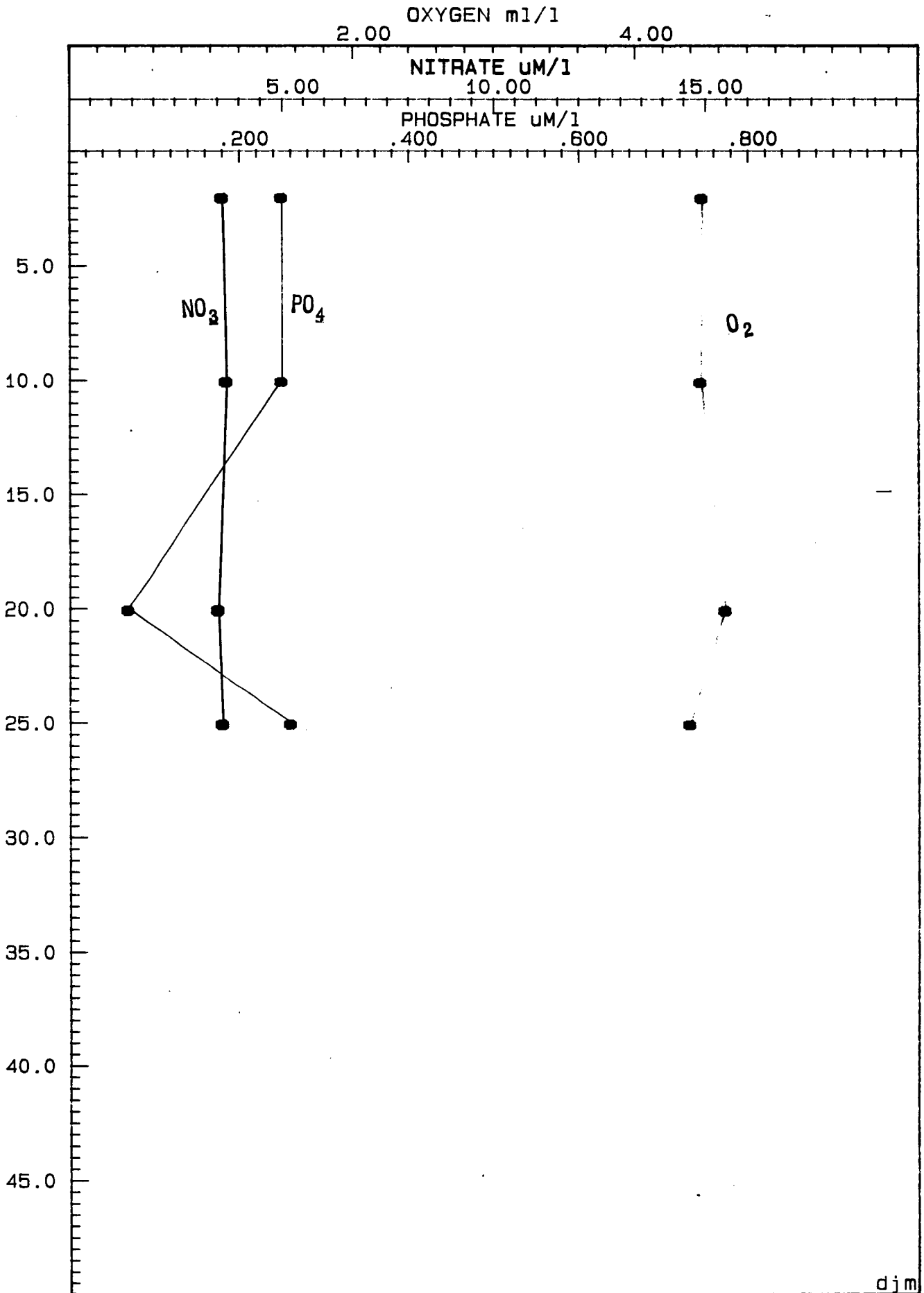


CRUISE: 92G10 STATION: B92G10*15*1 DATE: 5 OCT 92
LATITUDE: 28 18.9 LONGITUDE: 91 36.0

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

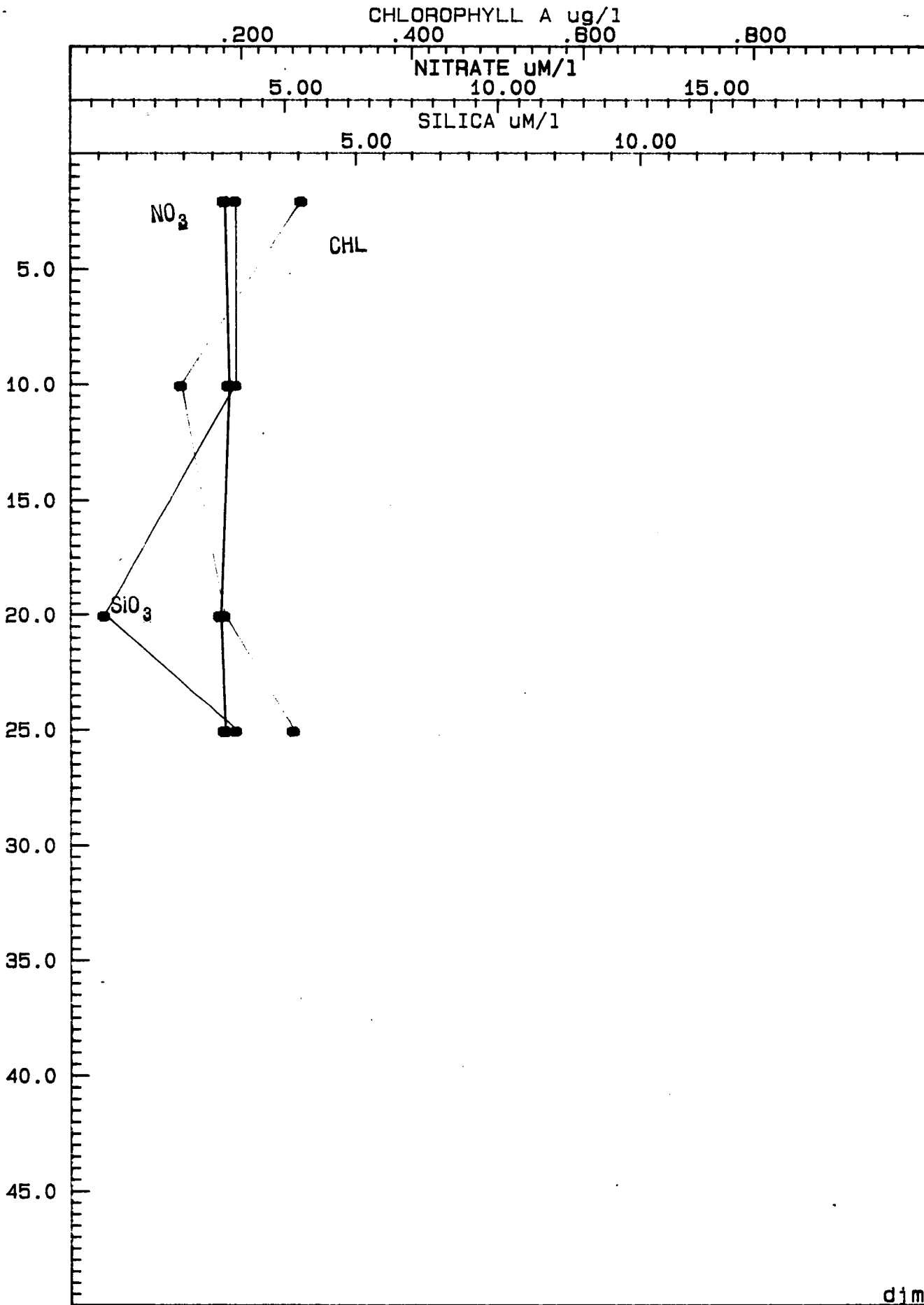
CRUISE	92G10	STATION	016	Date	5/10/92
LAT	28 39.92N	LON	91 35.994W	Time	1200 GMT
Samples	4				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3	Chl (mg/l)	Pha
11	2	34.566	26.466	4.485	3.6	0.15	0.2	0.4	0.25	2.9	0.27	0.10
10	10	34.565	26.473	4.469	3.7	0.15	0.2	0.3	0.25	2.9	0.13	0.05
9	20	35.262	26.472	4.638	3.5	0.01	0.0	0.1	0.07	0.6	0.18	0.08
8	25	34.567	26.473	4.393	3.6	0.34	0.1	0.4	0.26	2.9	0.26	0.09



CRUISE: 92610 STATION: B92610*16*1 DATE: 5 OCT 92
LATITUDE: 28 39.9 LONGITUDE: 91 35.9

djm



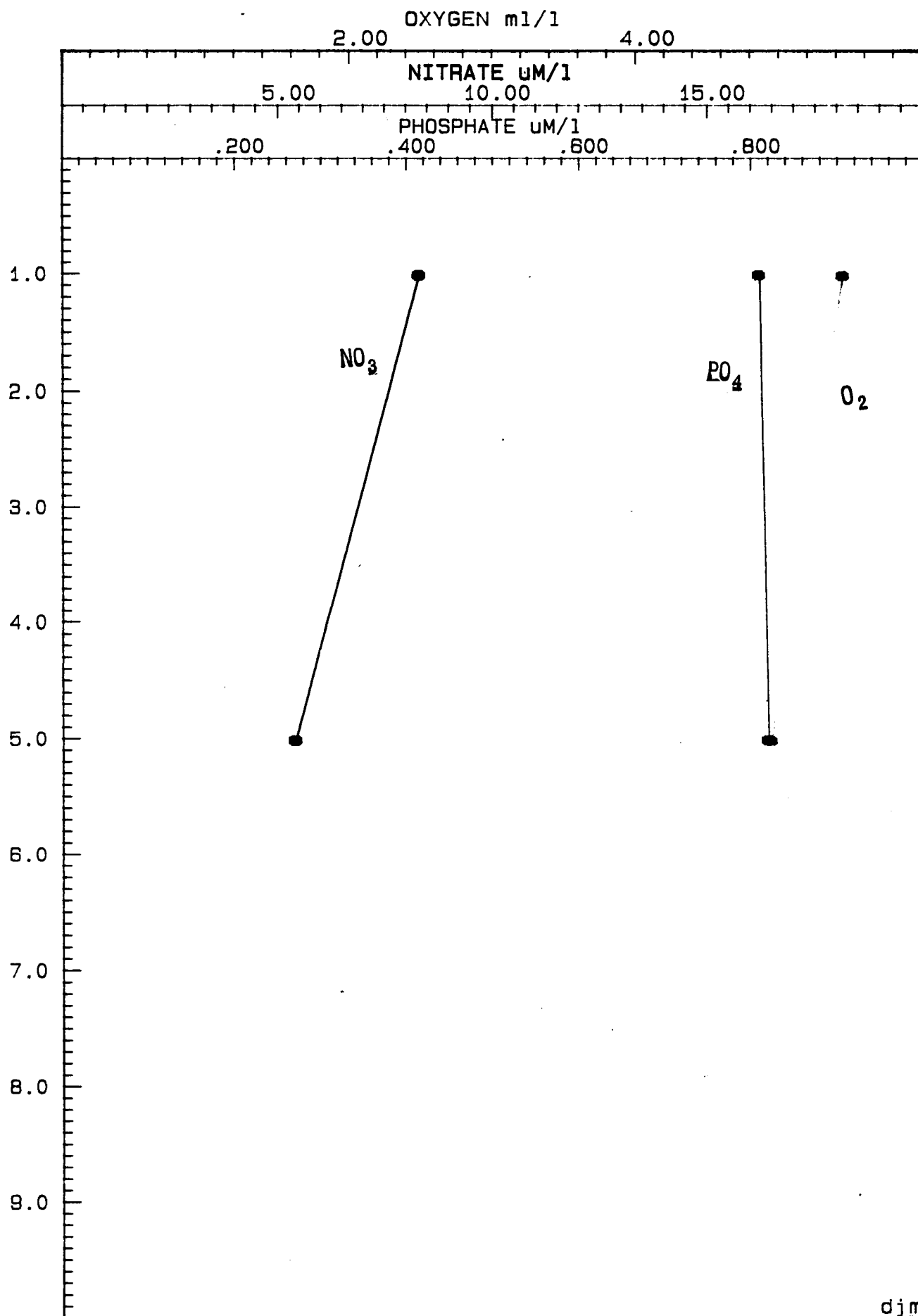
CRUISE: 92G10 STATION: B92G10*16*1 DATE: 5 OCT 92
LATITUDE: 28 39.9 LONGITUDE: 91 35.9

dim

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

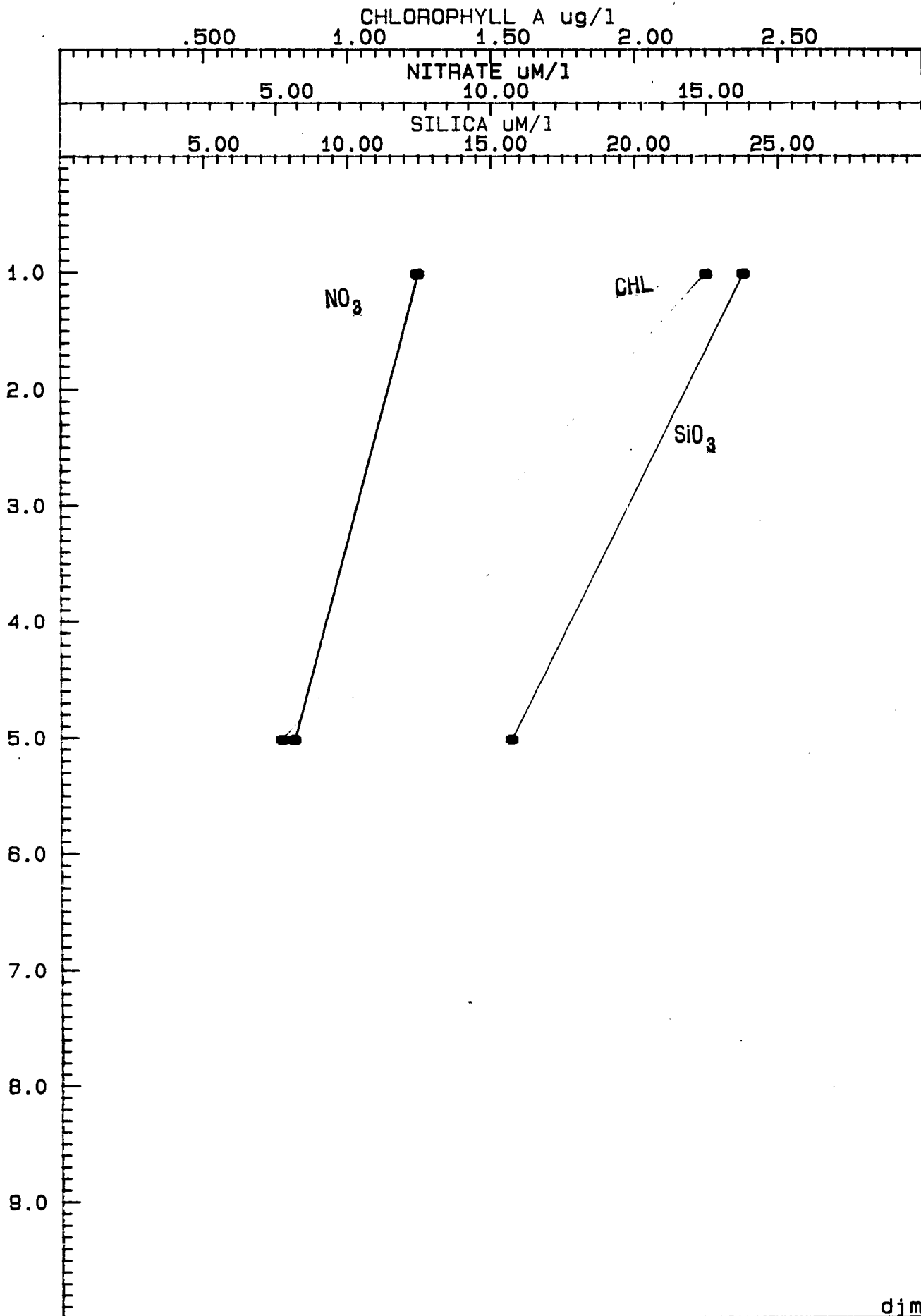
CRUISE	92G10	STATION	017	Date	5/10/92
LAT	29 00.948N	LON	91 36.026W	Time	1445 GMT
Samples	2				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chi (mg/l)	Pha
12	1	23.702	23.127	5.440	8.3	1.96	1.1	0.7	0.81	23.8	2.25	0.25
11	5	27.324	24.062	4.935	5.4	2.67	1.5	0.5	0.82	15.7	0.77	0.67



CRUISE: 92G10 STATION: B92G10*17*1 DATE: 5 OCT 92
LATITUDE: 29 .9 LONGITUDE: 91 36.0

djm



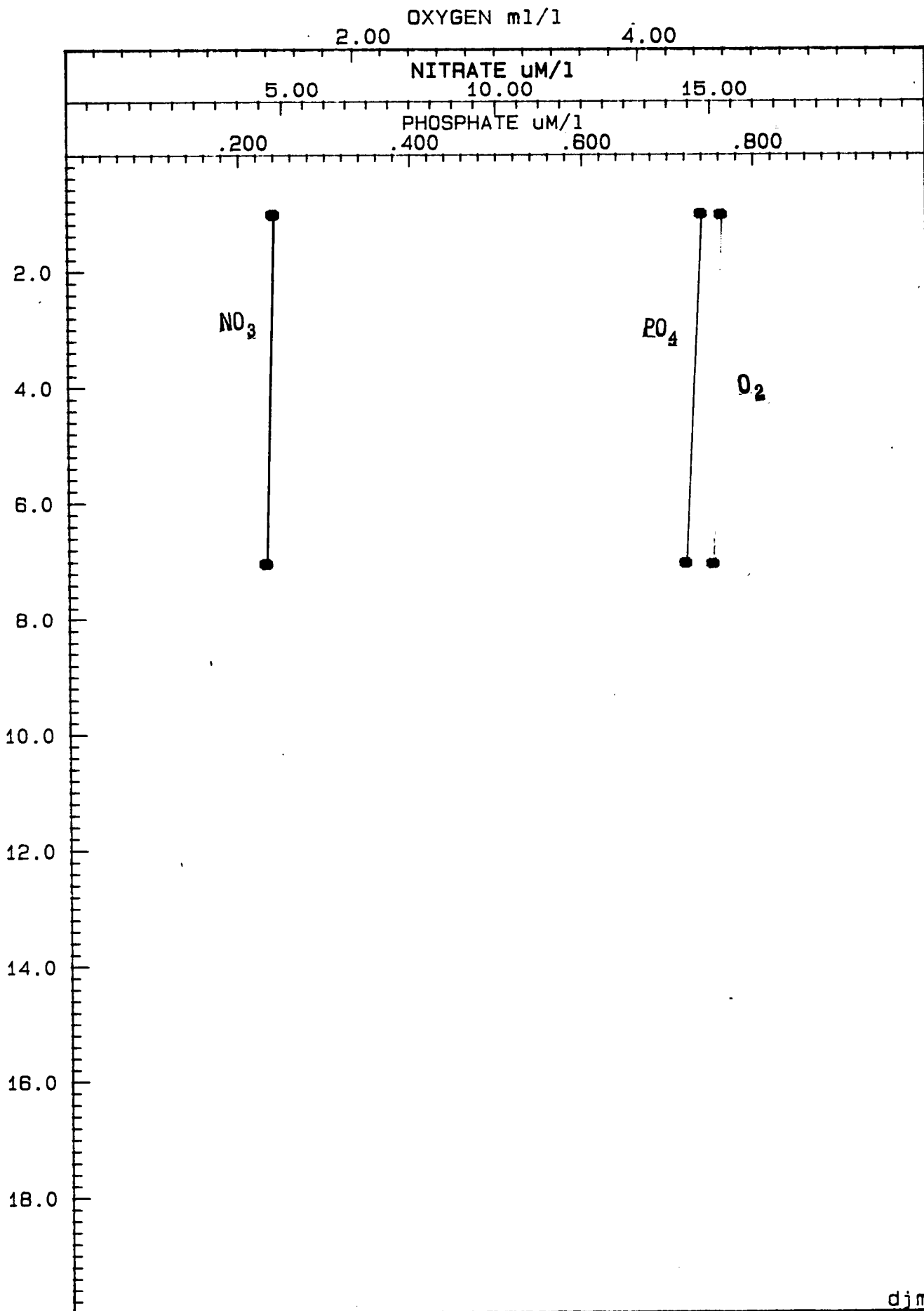
CRUISE: 92G10 STATION: B92G10*17*1 DATE: 5 OCT 92
LATITUDE: 29 .9 LONGITUDE: 91 36.0

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

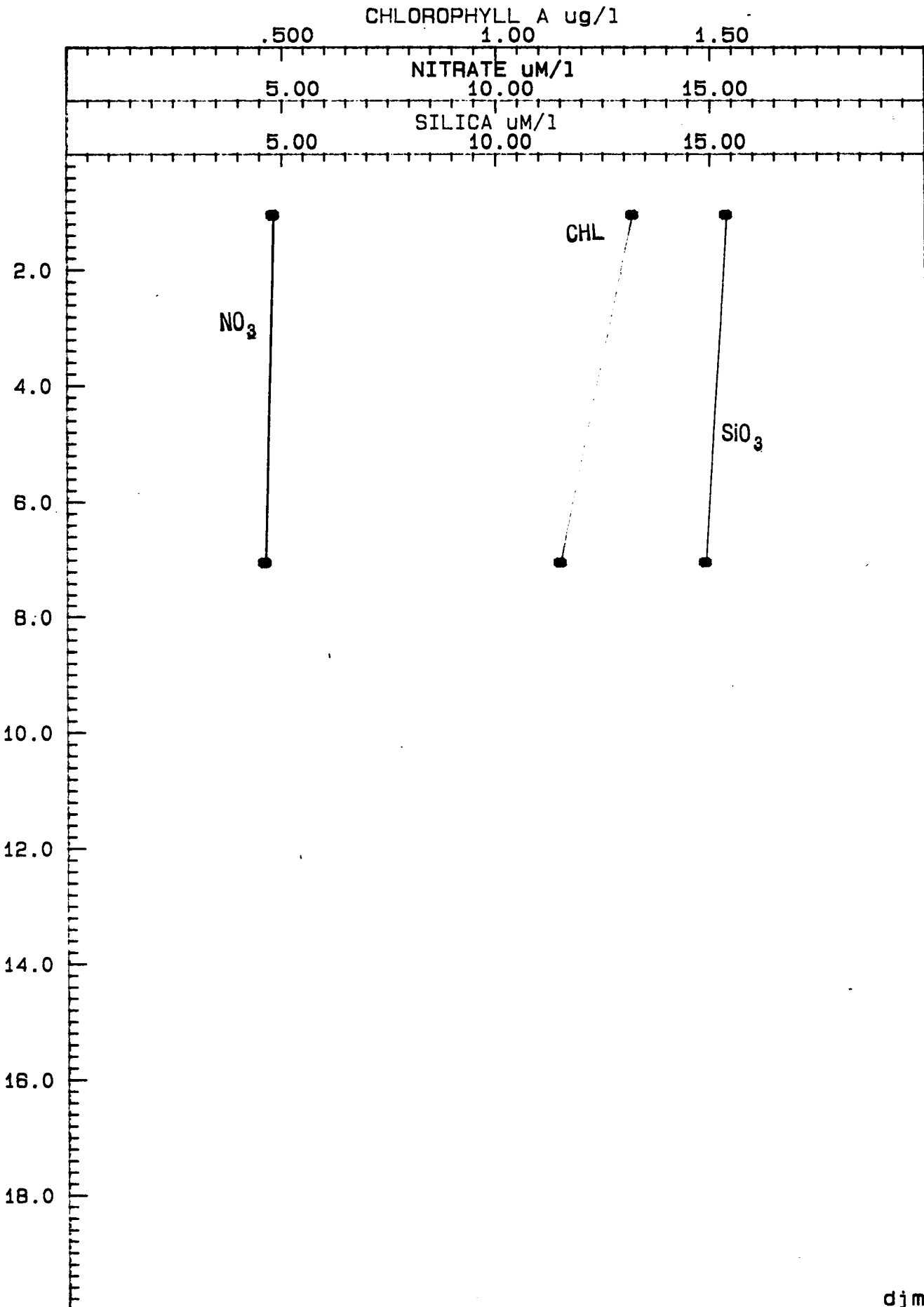
CRUISE	92G10	STATION	018	Date	5/10/92
LAT	28 48.124	LON	91 00.388W	Time	1852 GMT
Samples	2				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
2	1	30.341	24.899	4.578	4.8	2.71	0.4	0.6	0.74	15.4	1.32	0.04
1	7	30.495	24.971	4.509	4.6	2.68	0.4	0.6	0.72	14.9	1.15	0.13



CRUISE: 92G10 STATION: B92G10*18*1 DATE: 5 OCT 92
LATITUDE: 28 48.1 LONGITUDE: 91 .3

djm

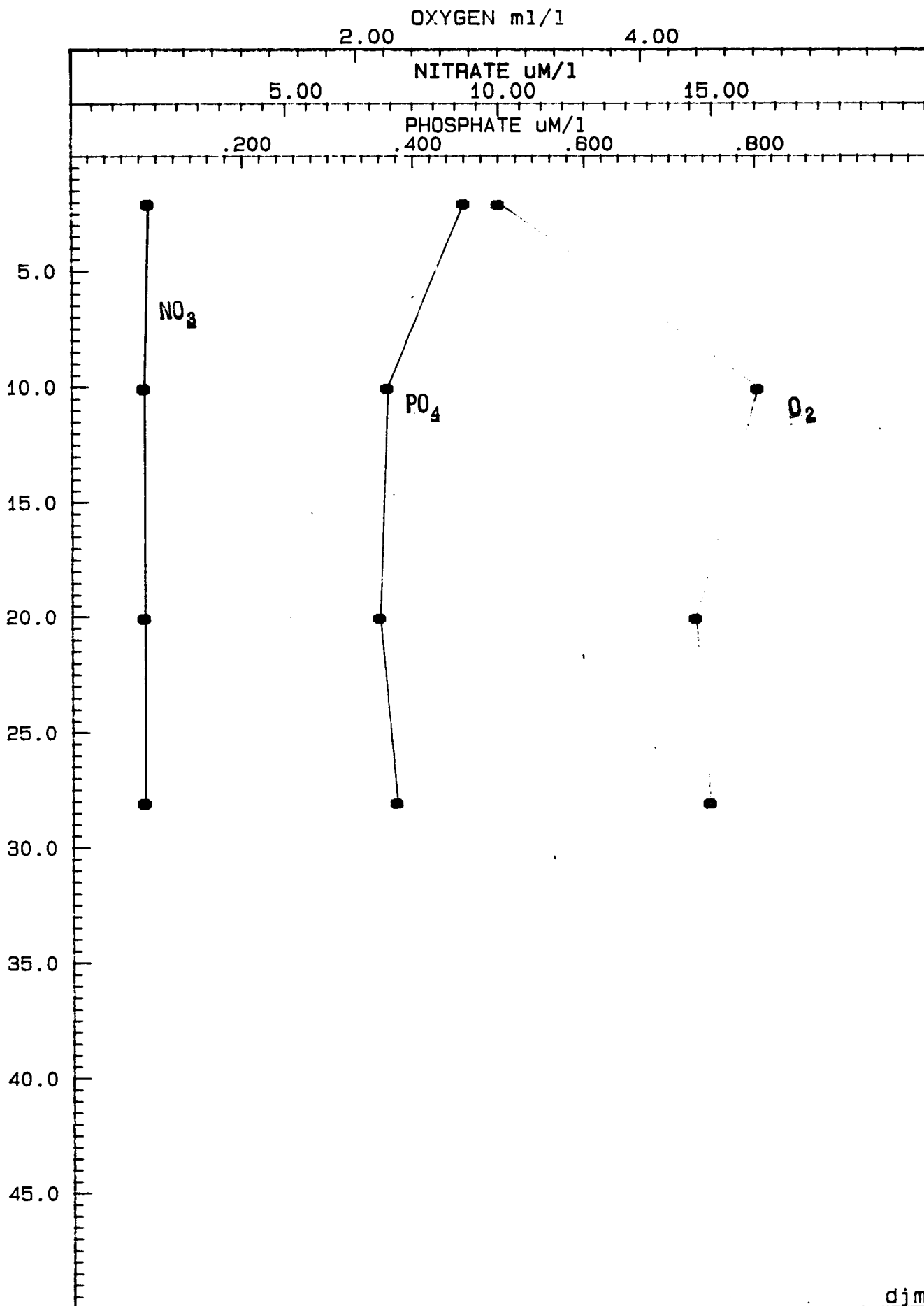


CRUISE: 92G10 STATION: B92G10*18*1 DATE: 5 OCT 92
LATITUDE: 28 48.1 LONGITUDE: 91 .3

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

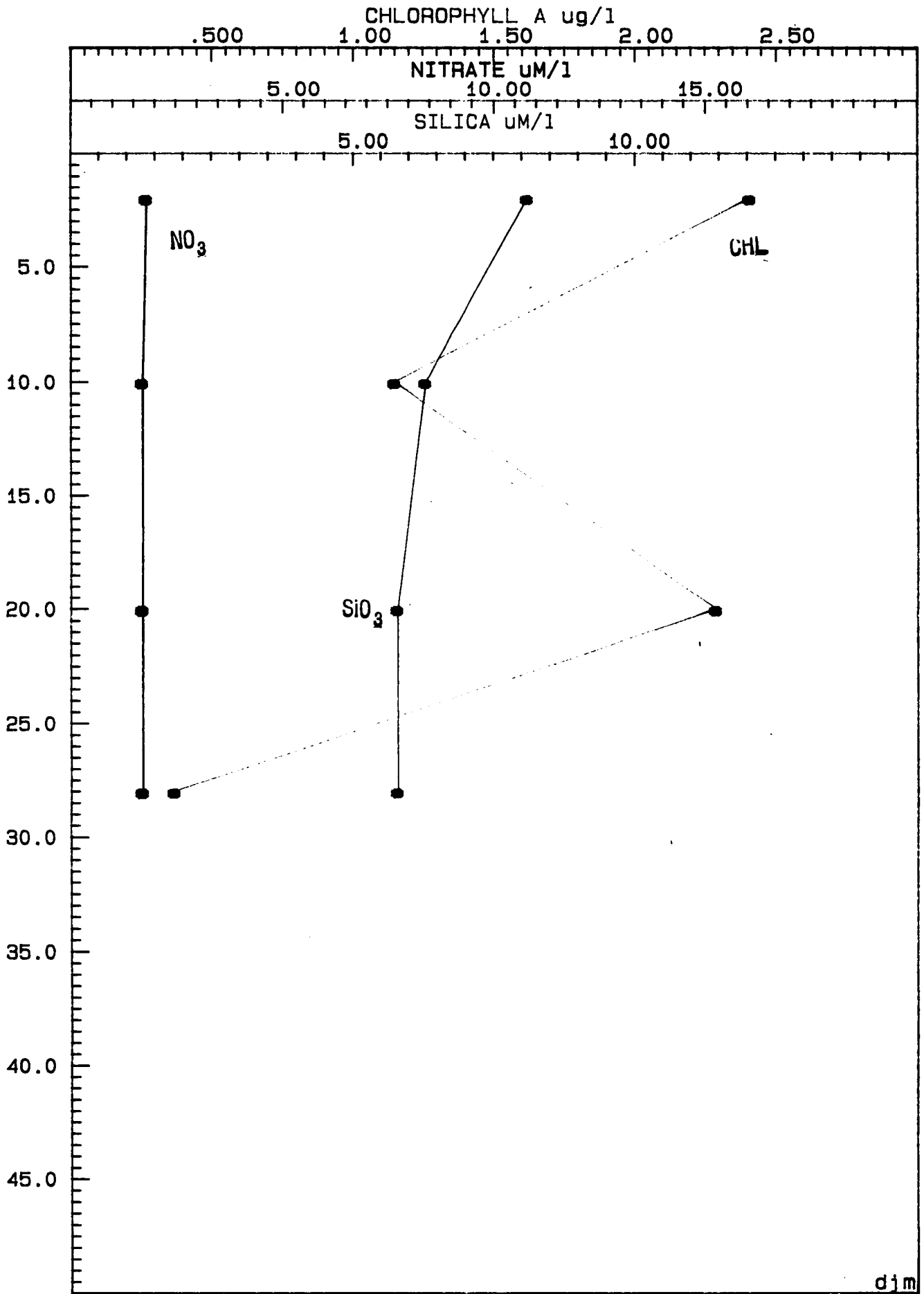
CRUISE 92G10 STATION 019 Date 5/10/92
 LAT 28 35.06N LON 90 25.1W Time 2321 GMT
 Samples 4

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
8	2	32.666	25.431	3.000	1.8	0.75	0.2	0.3	0.46	8.1	2.41	0.24
7	10	33.117	25.693	4.818	1.7	1.10	0.1	0.3	0.37	6.3	1.15	0.21
6	20	33.262	25.602	4.679	1.7	1.23	0.2	0.2	0.36	5.8	2.29	0.05
5	28	33.579	25.519	4.479	1.7	1.38	0.2	0.4	0.38	5.8	0.37	0.12



CRUISE: 92G10 STATION: B92G10*19*1 DATE: 5 OCT 92
 LATITUDE: 28 35.0 LONGITUDE: 90 25.1

djm

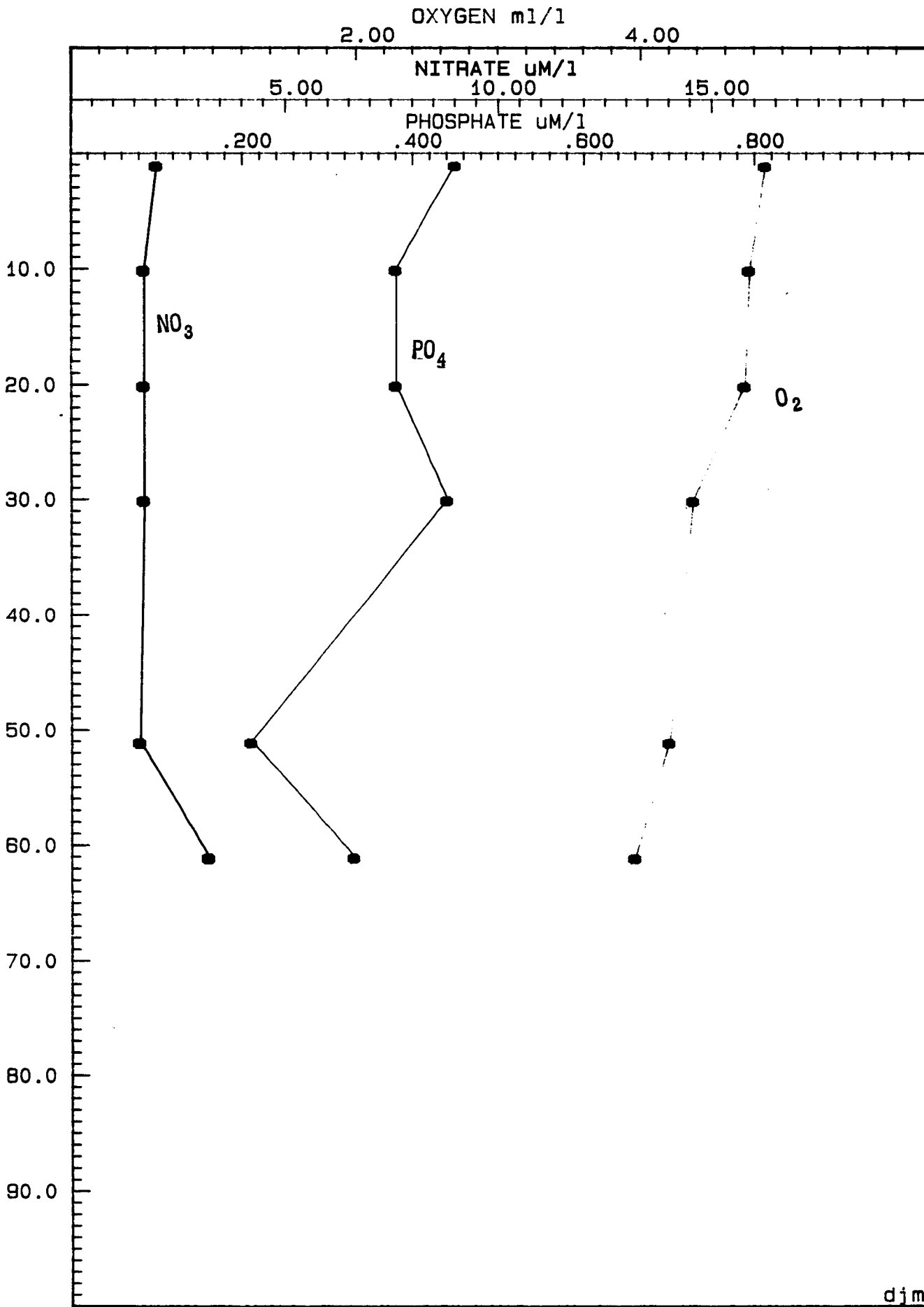


CRUISE: 92G10 STATION: B92G10*19*1 DATE: 5 OCT 92
LATITUDE: 28 35.0 LONGITUDE: 90 25.1

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

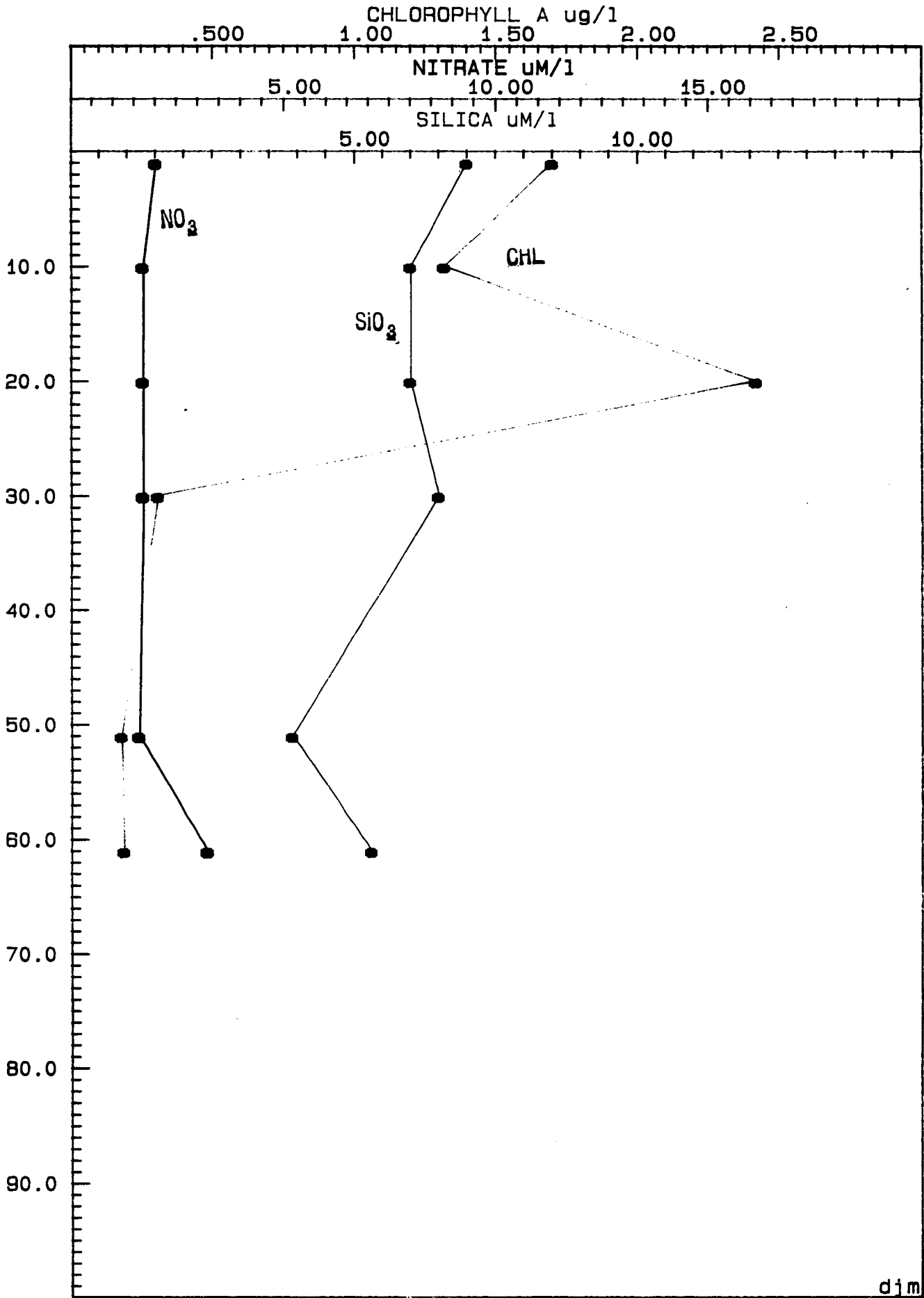
CRUISE 92G10 STATION 020 Date 6/10/92
 LAT 28 41.035 LON 89 55.928 Time 0251 GMT
 Samples 6

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
4	1	32.053	25.467	4.876	2.0	1.52	0.4	0.4	0.45	7.0	1.70	0.04
3	10	33.121	25.422	4.760	1.7	1.00	0.4	0.3	0.38	6.0	1.32	0.20
1	20	33.317	25.538	4.729	1.7	1.06	0.3	0.1	0.38	6.0	2.42	0.28
12	30	34.265	24.977	4.365	1.7	1.01	0.4	0.5	0.44	6.5	0.31	0.27
11	51	35.603	25.334	4.194	1.6	0.28	0.1	0.3	0.21	3.9	0.18	0.07
10	61	35.845	23.769	3.951	3.2	0.16	0.1	0.3	0.33	5.3	0.19	0.10



CRUISE: 92G10 STATION: B92G10*20*1 DATE: 6 OCT 92
 LATITUDE: 28 41.0 LONGITUDE: 89 55.9

djm



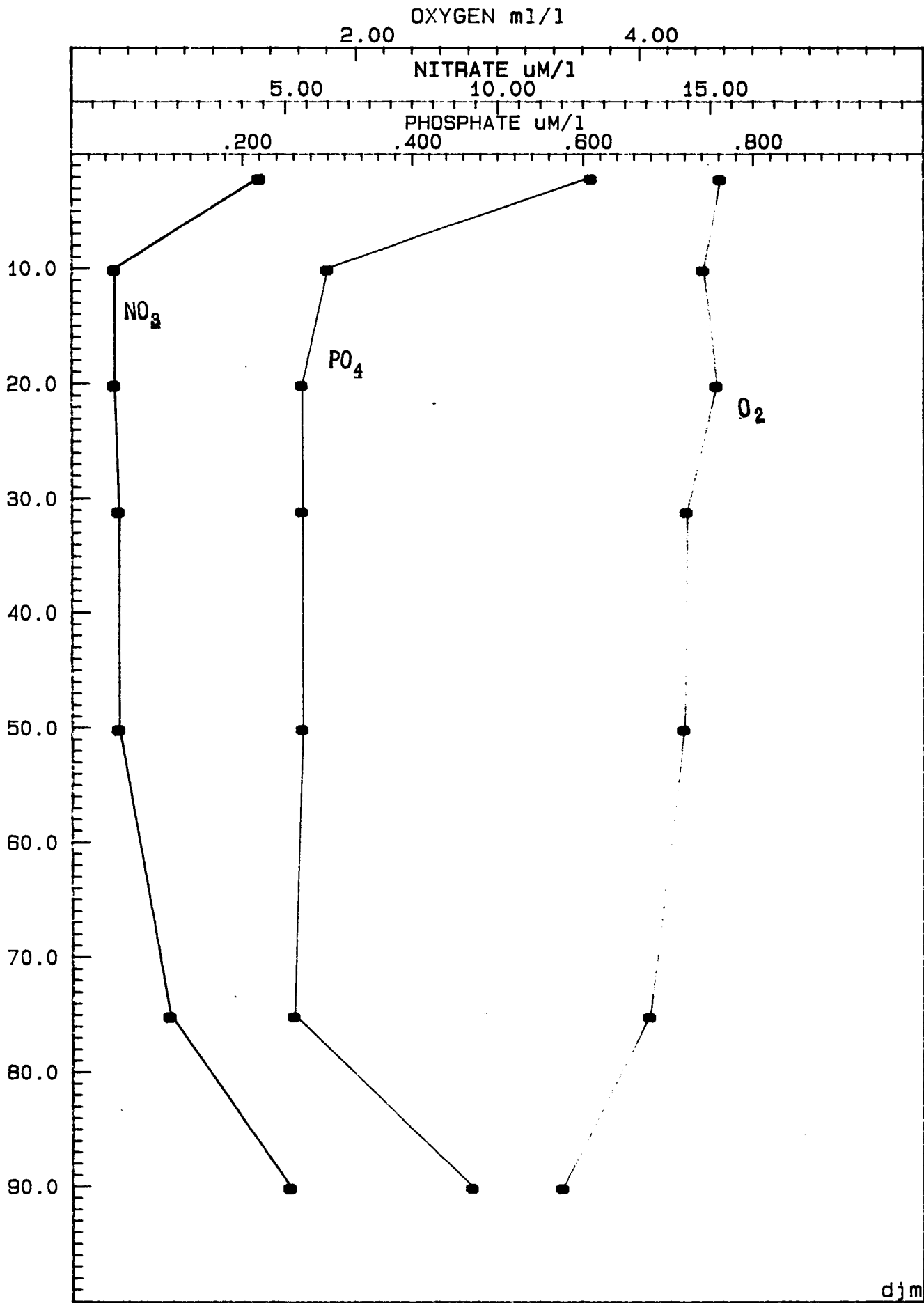
CRUISE: 92G10 STATION: B92G10*20*1 DATE: 6 OCT 92
 LATITUDE: 28 41.0 LONGITUDE: 89 55.9

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

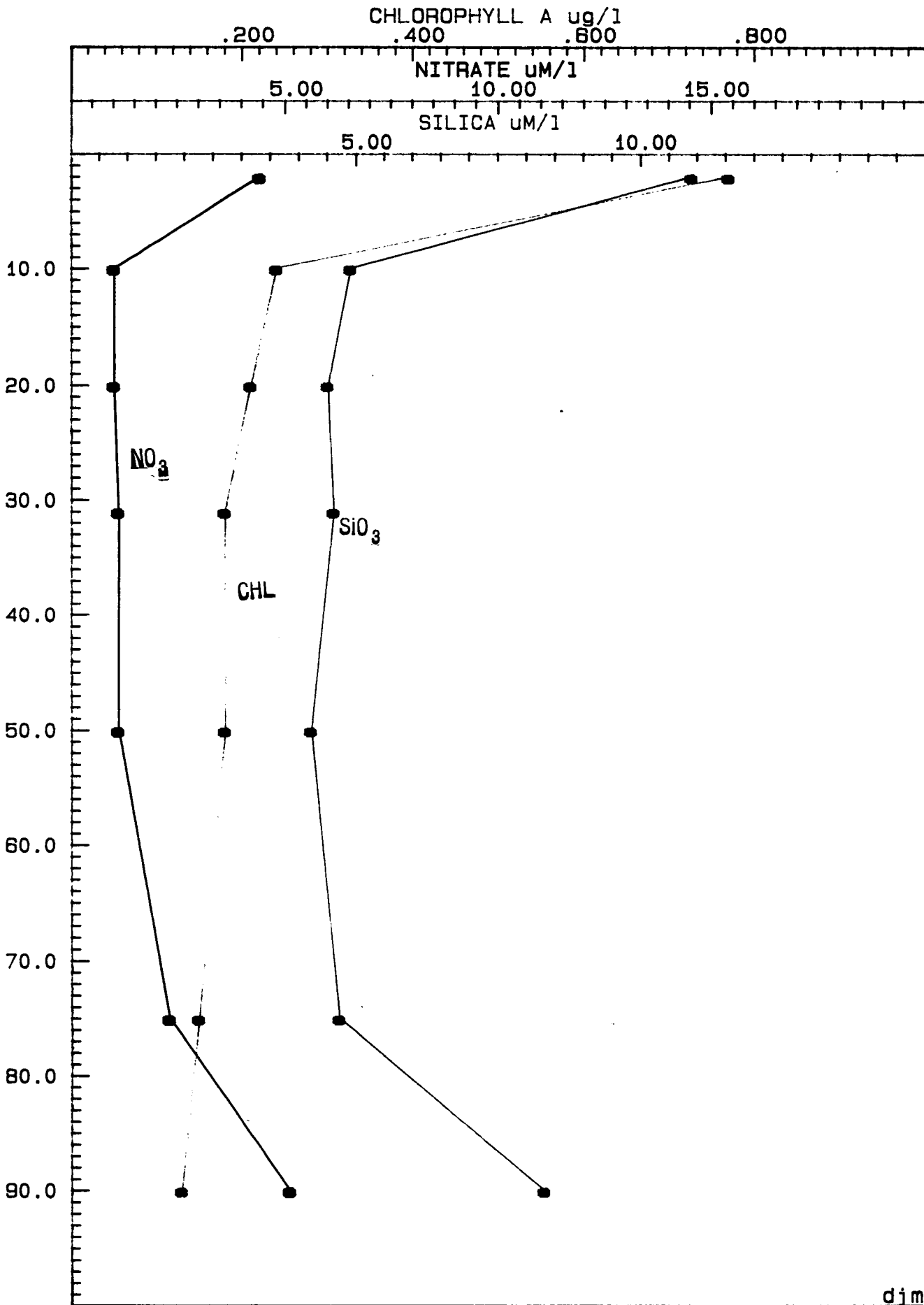
CRUISE 92G10 STATION 021 Date 6/10/92
 LAT 28 48.038N LON 89 20.013W Time 0656 GMT
 Samples 7

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
12	2	32.199	25.464	4.574	4.4	1.35	0.2	0.5	0.61	10.9	0.77	0.18
11	10	34.836	25.636	4.450	1.0	0.83	0.2	0.4	0.30	4.9	0.24	0.12
10	20	35.181	25.444	4.546	1.0	0.66	0.1	0.3	0.27	4.5	0.21	0.11
9	31	35.345	25.375	4.332	1.1	0.57	0.2	0.4	0.27	4.6	0.18	0.13
8	50	35.613	25.374	4.312	1.1	0.50	0.3	0.4	0.27	4.2	0.18	0.15
7	75	35.968	25.456	4.067	2.3	0.30	0.1	0.3	0.26	4.7	0.15	0.11
6	90	36.133	21.747	3.452	5.1	0.31	0.2	0.3	0.47	8.3	0.13	0.13



CRUISE: 92G10 STATION: B92G10*21*1 DATE: 6 OCT 92
 LATITUDE: 28 48.0 LONGITUDE: 89 20.0

djm



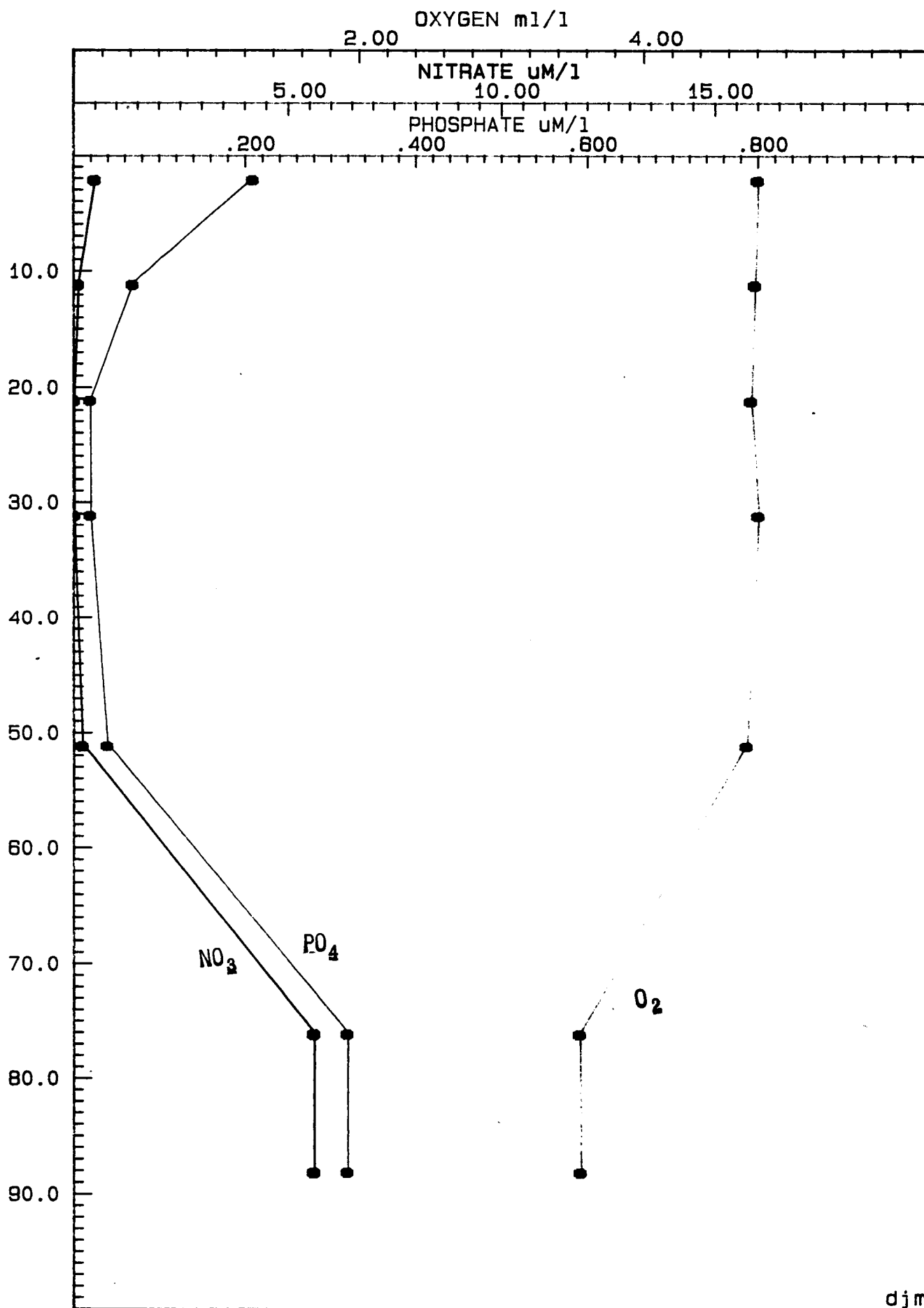
CRUISE: 92610 STATION: B92610*21*1 DATE: 6 OCT 92
LATITUDE: 28 48.0 LONGITUDE: 89 20.0

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

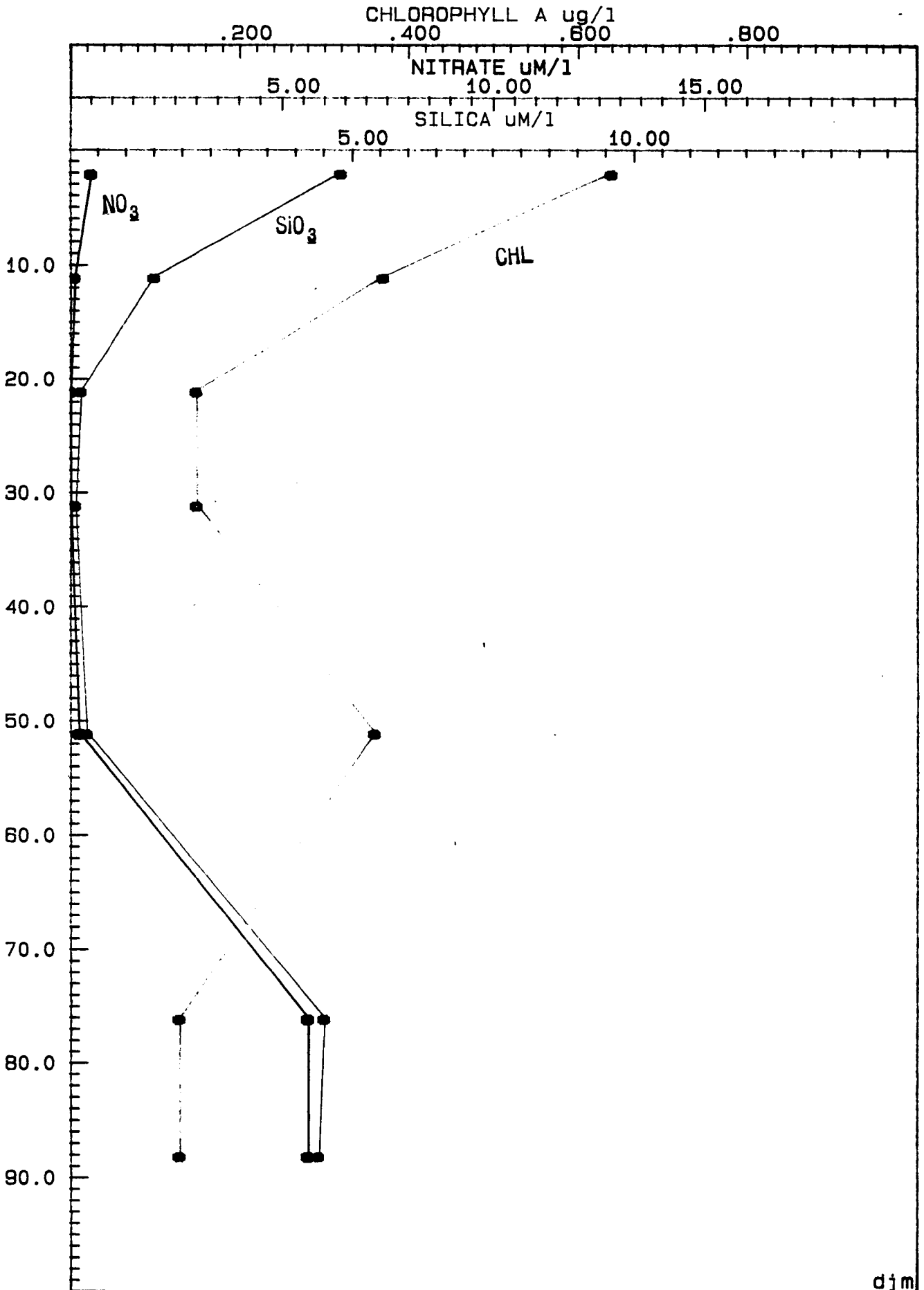
CRUISE 92G10 STATION 022 Date 6/10/92
 LAT 29 02.911N LON 88 54.174W Time 1042 GMT
 Samples 7

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
9	2	34.820	24.776	4.804	0.5	0.44	0.2	0.4	0.21	4.8	0.64	0.07
8	11	35.871	25.426	4.781	0.1	0.11	0.1	0.2	0.07	1.5	0.37	0.05
7	21	36.144	25.402	4.755	0.0	0.02	0.1	0.2	0.02	0.2	0.15	0.03
6	31	36.143	25.395	4.804	0.0	0.02	0.0	0.2	0.02	0.1	0.15	0.03
5	51	36.257	25.009	4.721	0.2	0.07	0.1	0.2	0.04	0.3	0.36	0.12
4	76	36.302	21.340	3.547	5.6	0.23	0.1	0.1	0.32	4.5	0.13	0.12
3	88	36.293	20.450	3.555	5.6	0.21	0.1	0.2	0.32	4.4	0.13	0.12



CRUISE: 92610 STATION: B92610*22*1 DATE: 6 OCT 92
 LATITUDE: 29 2.9 LONGITUDE: 88 54.1

djm



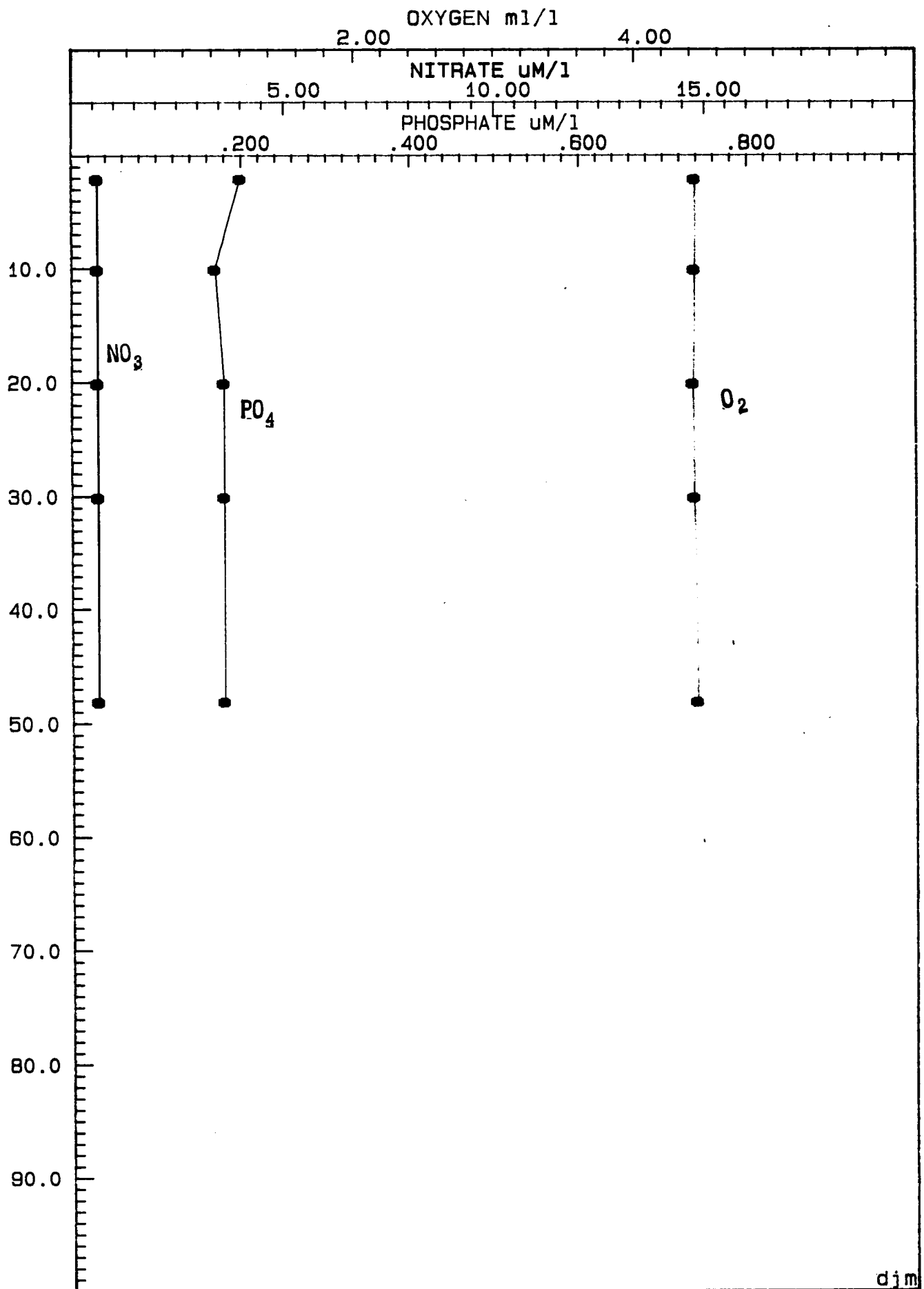
CRUISE: 92G10 STATION: B92G10*22*1 DATE: 8 OCT 92
LATITUDE: 29 2.9 LONGITUDE: 88 54.1

djm

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

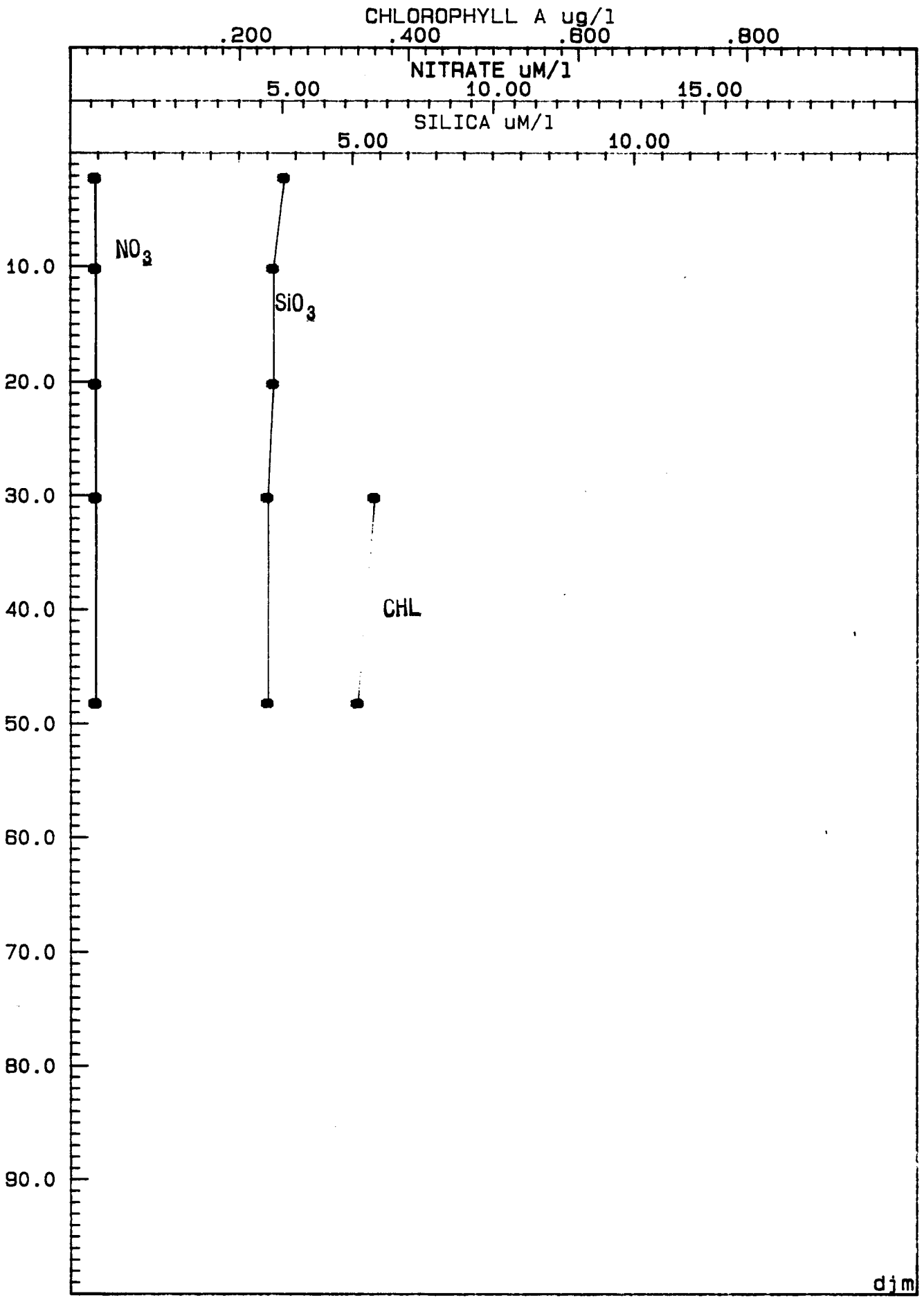
CRUISE	92G10	STATION	023	Date	6/10/92
LAT	29 17.884	LON	88 49.698	Time	1300 GMT
Samples	5				

Btl	Z (m)	S (ppt)	T (C)	O (ml/l)	NO3 ()	NO2 umol/l	NH4 ()	Urea	PO4	SiO3	Chl (mg/l)	Pha
1	2	35.705	25.390	4.433	0.6	0.50	0.2	0.2	0.20	3.8		
12	10	35.706	25.383	4.427	0.6	0.51	0.2	0.3	0.17	3.6		
11	20	35.704	25.393	4.418	0.6	0.51	0.3	0.2	0.18	3.6		
10	30	35.705	25.395	4.423	0.6	0.50	0.3	0.3	0.18	3.5	0.36	0.12
9	48	35.706	25.397	4.444	0.6	0.49	0.3	0.3	0.18	3.5	0.34	0.13



CRUISE: 92G10 STATION: B92G10*23*1 DATE: 6 OCT 92
 LATITUDE: 29 17.8 LONGITUDE: 88 49.7

djm



CRUISE: 92G10 STATION: B92G10*23*1 DATE: 6 OCT 92
LATITUDE: 29 17.8 LONGITUDE: 88 49.7

djm

OXYGEN ml/l

2.00

4.00

92-G-10
Composite Plot
For All Stations

25.0

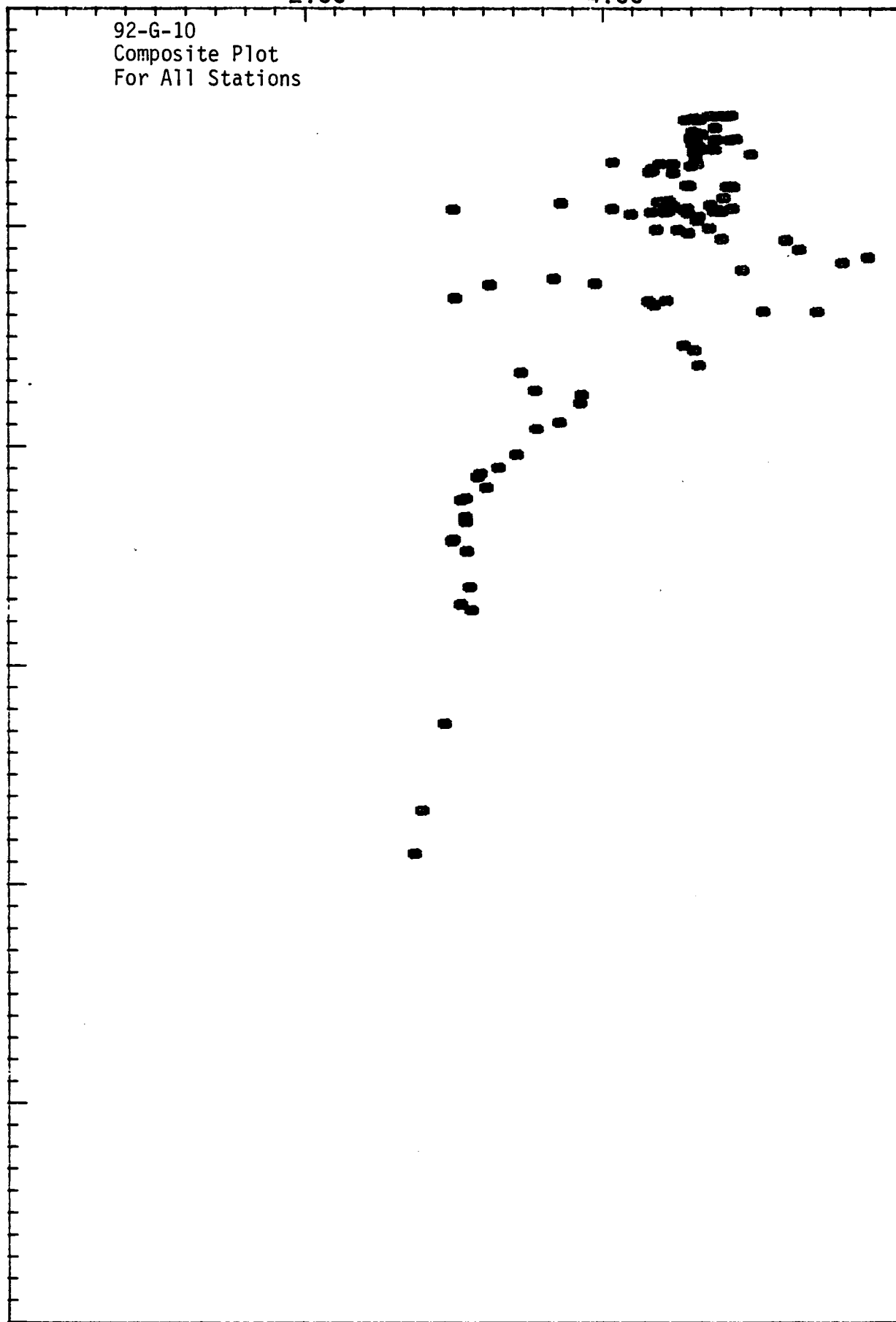
20.0

15.0

10.0

5.0

0.00



NITRATE $\mu\text{M}/\text{l}$

10.00

20.00

30.00

92-G-10
Composite Plot
For All Stations

25.0

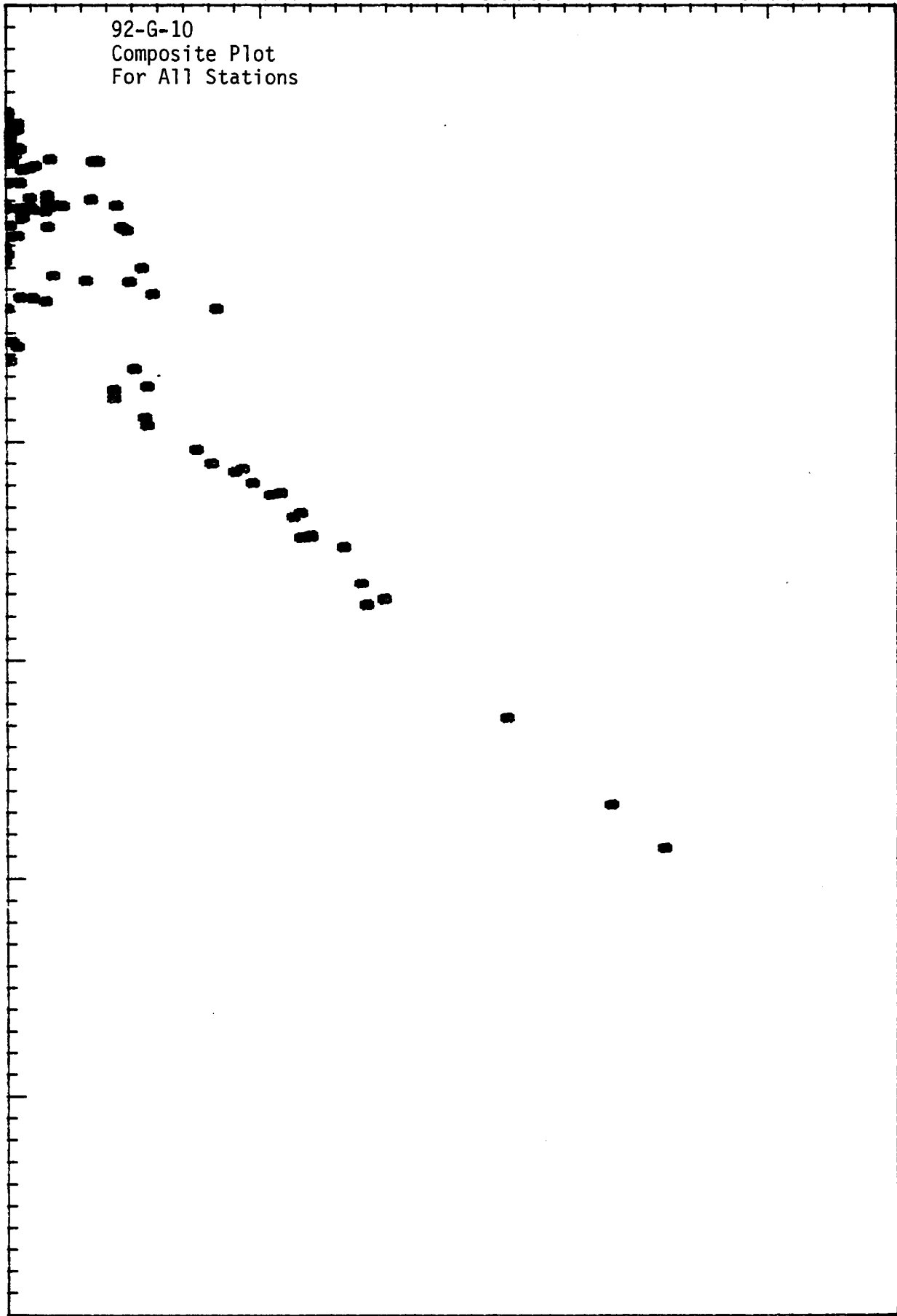
20.0

15.0

10.0

5.0

0.00



PHOSPHATE $\mu\text{M}/\text{l}$

.500

1.00

1.50

2.00

2.50

92-G-10
Composite Plot
For All Stations

25.0

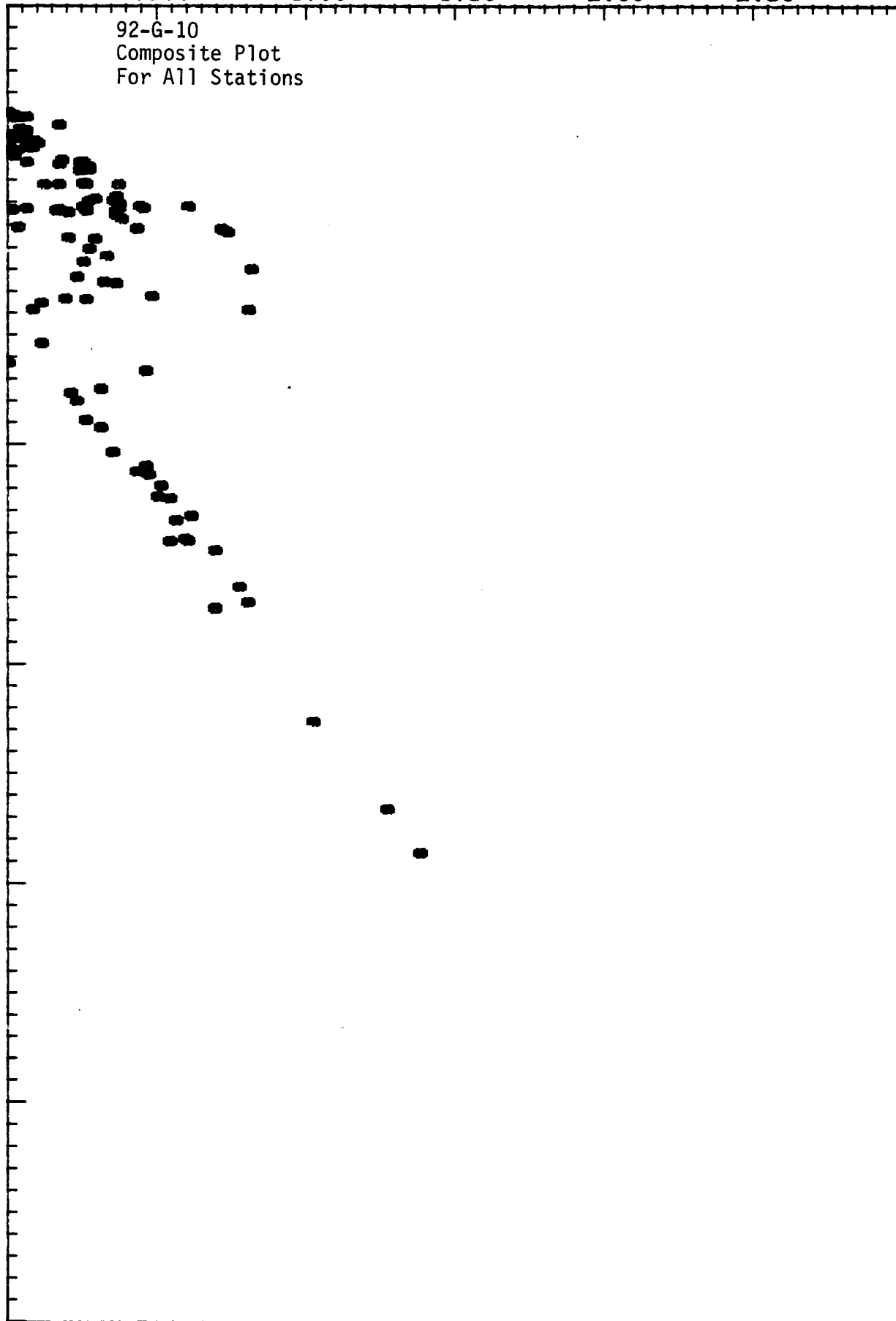
20.0

15.0

10.0

5.0

0.00



10.00

20.00

30.00

92-G-10
Composite Plot
For All Stations

25.0

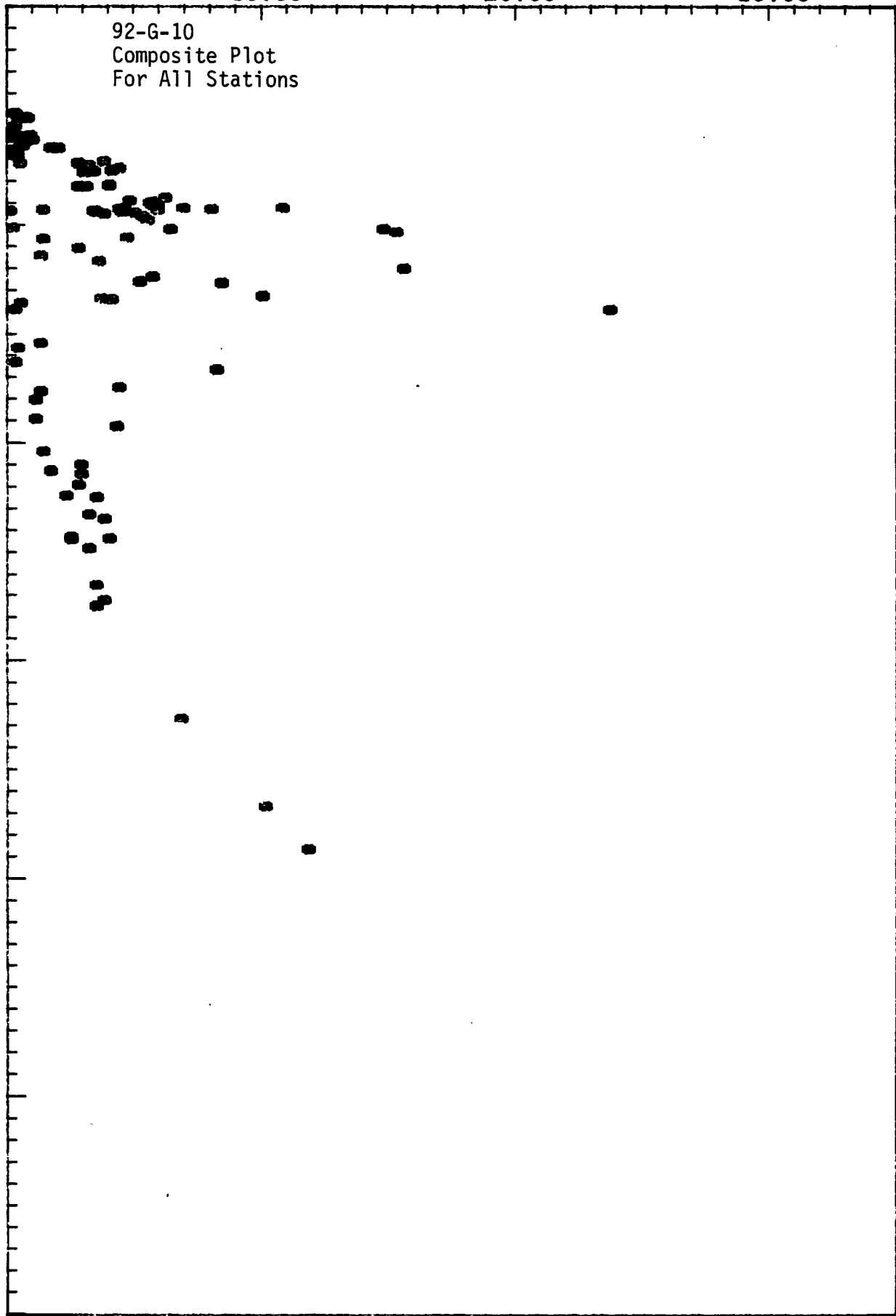
20.0

15.0

10.0

5.0

0.00



ACKNOWLEDGMENTS

Ship time in support of this research was provided by Texas A&M University as part of the Texas Institutions Gulf Ecosystem Research (TIGER) initiative for graduate student training and research by students and staff. The preparation of this data report was supported by the Minerals Management Service, under Cooperative Agreement 14-35-0001-30501 for the sharing of ship-of-opportunity hydrographic data between Texas A&M University and MMS.

APPENDIX: HYDROGRAPHIC DATA FROM GYRE 92G-09

CTD/rosette multisampler casts were also made the week before cruise 92G-10, while GYRE worked some 40 nautical miles south of Galveston, Texas. From 26-28 September 1992, Dr. Peter Santschi from TAMU Galveston was Chief Scientist for GYRE cruise 92G-09, which ocean tested a benthic lander in shallow water over the inner continental shelf in support of Dr. Santschi's continuing NSF-sponsored geochemical research.

In all, 8 CTD casts were made in a 26 hour period during 26-28 September, while GYRE operated in water depths of 20-22 m within a 2 km radius of the benthic lander deployment site at 28 45 N, 94 44 W. Water collected from several depths during 5 of these 8 casts was saved in salinity bottles for post-cruise analysis of bottle salinity, and additional aliquots were frozen in 30 ml plastic screw-cap bottles for post-cruise analysis of nutrients.

The pages which follow present the 1 m averaged CTD data, along with bottle salinity that was measured by Guildline model 8400B Autosol and nutrients measured by 6-channel Technicon AA-II autoanalyzer. No correction has been made to CTD salinity, since CTD salinity generally agreed to within ± 0.05 PSU of bottle salinity.

It is likely that differences between salinity and silicate distributions of Cast 1 and those of subsequent Casts 1A - 1 F arose from wind mixing associated with the passage of a weather front from the north (see "Weather Log" tabulation, which follows table of "Location of 92G-09 CTD Stations"). After the first of these 8 CTD casts, which had near-surface salinity of 34.15 PSU and 34.46 PSU at depth, note that the water column was less stratified. Moreover, water column salinity averaged higher on subsequent casts, ranging from 34.55-34.78 PSU at the surface to 34.78-34.95 PSU at depth. Note, as well, that in water collected from the first cast (CTD 01) silicate was anomalously low in the upper 18 m, relative to that collected from subsequent casts. Such differences in silica are apparently real, for from previous work we know that accuracy of autoanalyzer analyses of frozen nutrients is approximately ± 0.05 μ M for phosphate and nitrite, and ± 0.2 μ M for nitrate, silicate, ammonium, and urea.

We thank Chief Scientist Peter Santschi for allowing this time-series of late summer hydrographic data to be archived as an Appendix to this report.

LOCATION OF CTD STATIONS

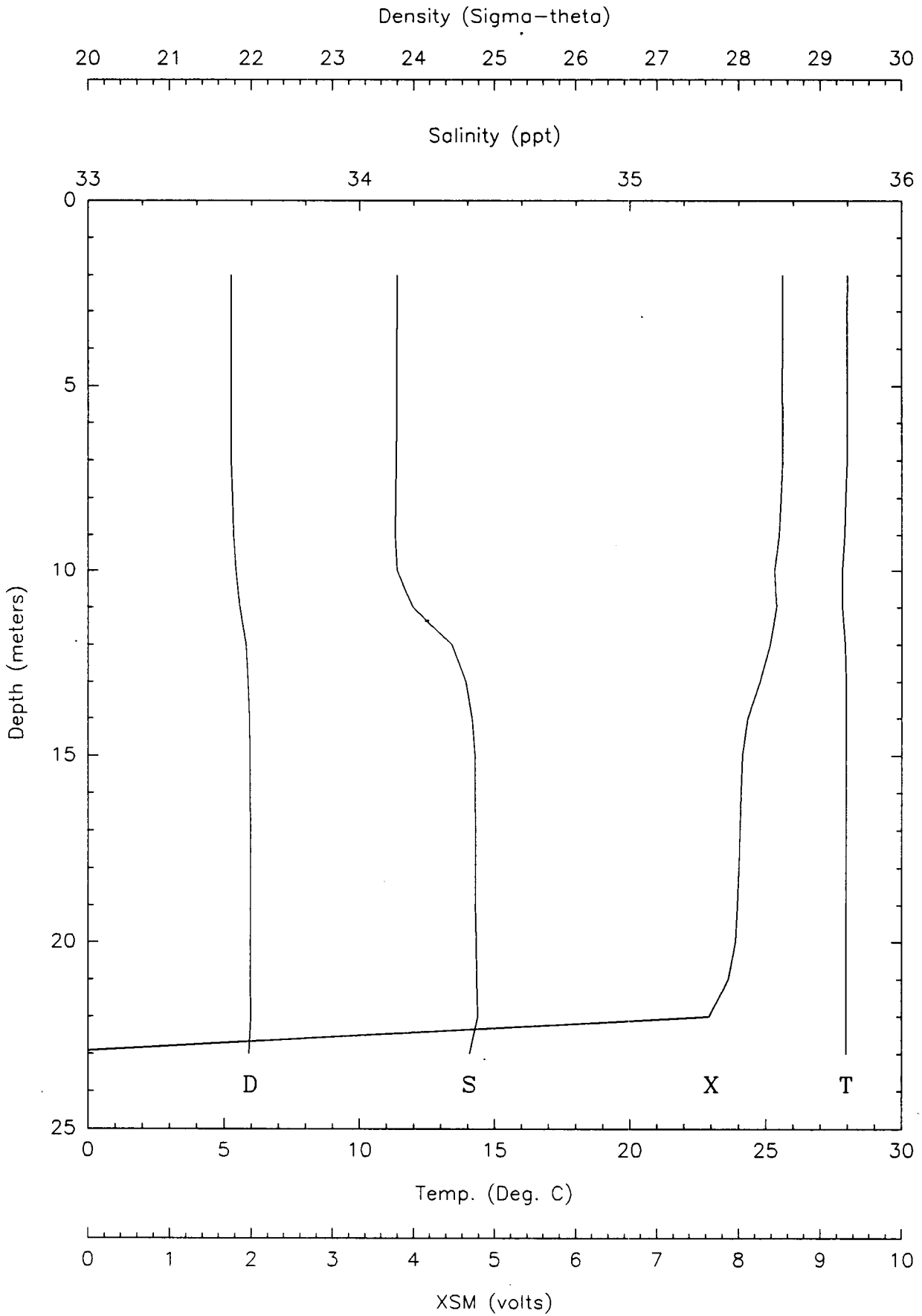
GYRE CRUISE 92G-09

CTD 01	2023 GMT	26 Sep 92	28 45.4 N	94 44.1 W
CTD 01A	0319 GMT	27 Sep 92	28 45.3 N	94 43.4 W
CTD 01B	1213 GMT	27 Sep 92	28 45.4 N	94 43.4 W
CTD 01C	1303 GMT	27 Sep 92	28 45.3 N	94 43.4 W
CTD 01D	1715 GMT	27 Sep 92	28 45.3 N	94 43.5 W
CTD 01E	1747 GMT	27 Sep 92	28 45.3 N	94 43.5 W
CTD 01F	2258 GMT	27 Sep 92	28 45.3 N	94 43.6 W
CTD 01G	0148 GMT	28 Sep 92	28 45.2 N	94 43.7 W

NOAA FORM 72-5b (6-74)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION								FORM APPROVED O.M.B. No. 41-R2734			
MARINE COASTAL WEATHER LOG — SHIP STATION													
SHIP NAME		R/V GYRE CRUISE 92G-09						RADIO CALL SIGN		DATE		(11)	
								KVU		26 SEPT, 1992		REMARKS (Time, etc.)	
(1)	(2)	(3)	(4)	(5)	(6)			(7) STATE OF SEA		(8)	(9)	(10)	(11)
DATE	TIME (GMT)	POSITION	PRESENT WEATHER	VISI- BILITY (MI)	WIND DIR. (16 pts)	SPEED (Kts)	WAVE HEIGHT (ft)	SWELL DIRECTION (16 pts)	HEIGHT (ft)	SEA WATER TEMP. °C °F	AIR TEMP. °C °F	PRES- SURE	REMARKS (Time, etc.)
26	0500	29°06'N, 94°40'W	OVERCAST/DRIZZLE	6	SSE	14	2-3	SE			80	1022	
26	0830	28°39'N, 94°42'W	RAIN	6	SSE	15	2-3	SE			82	1020	
26	1230	28°40'N, 94°41'W	SCAT SHRS	6	ENE	10	2-3	E			79	1021	Note approach of front from north, followed by winds from NE at 15-25k for rest of trip (27 and 28 Sept)
26	1630	28°45'N, 94°43'W	OVERCAST	8	ENE	9	2-3	E			83	1021	
26	2030	28°44'N, 94°44'W	OVERCAST	8	ENE	14	2-3	E			82	1020	
27	0030	28°45'N, 94°44'W	PTLY CLOUDY	8	ENE	12	1-3	E			80	1022	
27	0430	28°44'N, 94°44'W	PT. CLOUDY	8	NE	13	2-3	E			81	1024	
27	0830	28°45'N, 94°43'W	CLEAR	8	NE	17	3-5	E			80	1024	
27	1230	28°45'N, 94°43'W	PTLY CLOUDY	8	NE	15	2-4	NE			80	1025	
27	1630	28°45'N, 94°43'W	PTLY CLOUDY	8	NE	20	2-4	NE			82	1025	
27	2030	28°45'N, 94°43'W	PTLY CLOUDY	6	NE	21	2-4	NE			81	1022	
28	0140	28°45'N, 94°43'W	CLEAR	10	NE	16	2-3	NE			81	1023	
28	0440	28°45'N, 94°44'W	PT. CLOUDY	8	NE	25	3-4	NE			79	1024	
28	0830	28°45'N, 94°43'W	CLEAR	8	NE	23	4-6	NE			78	1024	
28	1230	28°45'N, 94°43'W	CLOUDY	6	NNE	24	3-5	NE			77	1025	
28	1630	28°58'N, 94°40'W	PT. CLOUDY	8	NE	22	4-6	NE			76	1029	

Cruise: 92G09
Date: Sat Sep 26 1992, Julian day = 270
Time: 15:05:04 GMT
Lat.: 28 45.40 N
Lon.: 94 43.40 W
Stn.: 1

meters	temp	salinity	sigmatheta	volts# 0
2.000	27.9941	34.1387	21.7512	8.536
3.000	27.9855	34.1378	21.7535	8.535
4.000	27.9833	34.1362	21.7531	8.535
5.000	27.9850	34.1360	21.7525	8.532
6.000	27.9846	34.1359	21.7526	8.537
7.000	27.9778	34.1355	21.7546	8.535
8.000	27.9316	34.1326	21.7675	8.520
9.000	27.8867	34.1314	21.7813	8.495
10.000	27.8037	34.1381	21.8133	8.439
11.000	27.7929	34.1973	21.8615	8.457
12.000	27.9066	34.3419	21.9334	8.380
13.000	27.9470	34.3926	21.9584	8.256
14.000	27.9462	34.4158	21.9762	8.111
15.000	27.9455	34.4260	21.9841	8.042
16.000	27.9454	34.4275	21.9854	8.028
17.000	27.9453	34.4290	21.9866	8.015
18.000	27.9454	34.4292	21.9868	8.000
19.000	27.9458	34.4287	21.9864	7.988
20.000	27.9459	34.4314	21.9885	7.963
21.000	27.9463	34.4338	21.9902	7.871
22.000	27.9489	34.4375	21.9923	7.638
23.000	27.9519	34.4068	21.9686	-0.667



Stn. 1
92G09

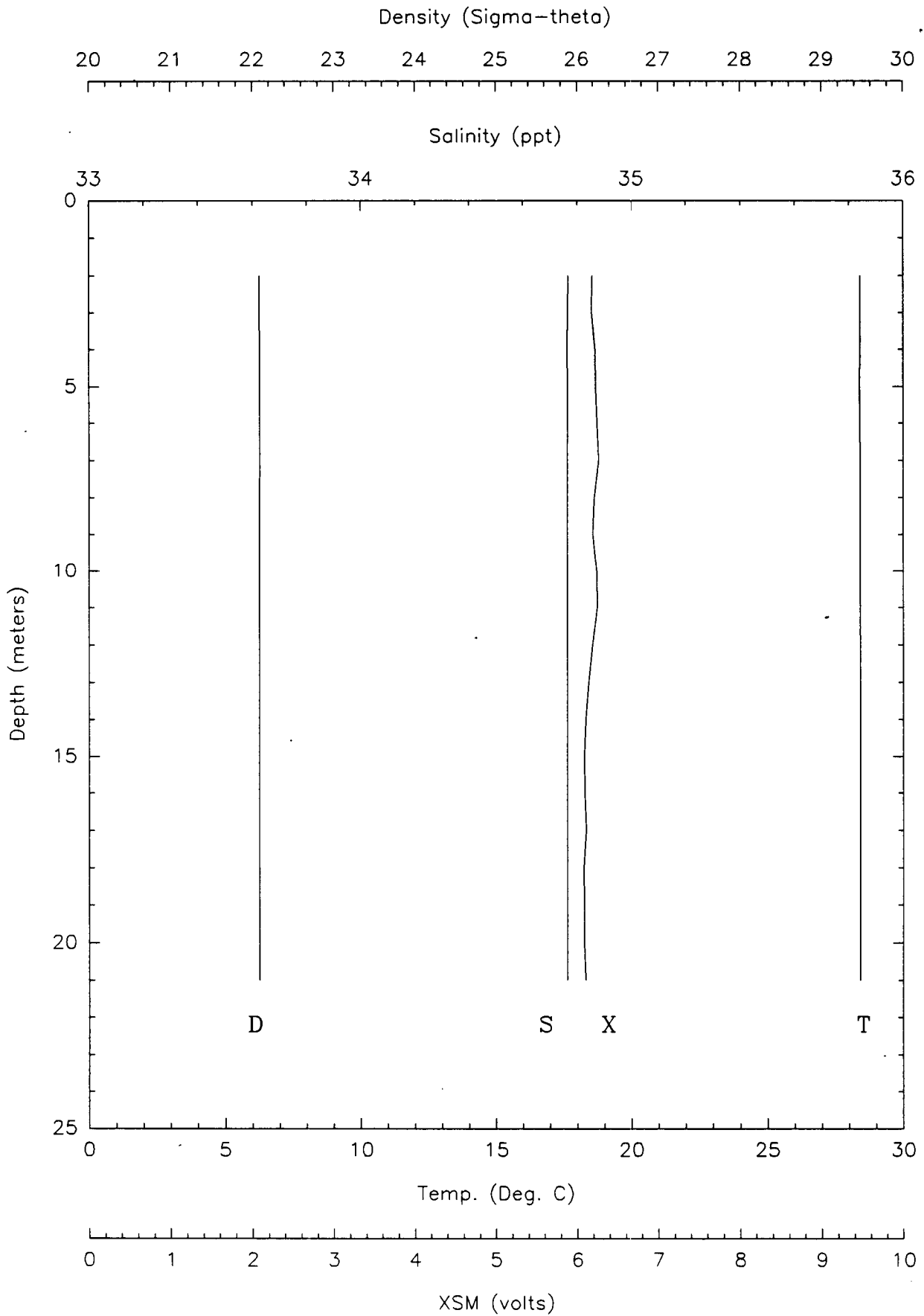
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE	92G09	STATION	001	Date	26SEP
LAT	28 45.4N	LON	94 43.4W	Time	2024 GMT
Samples	12				

Btl	Z (m)	S (ppt)	T (C)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3
12	2.2	34.146	27.986	0.1	0.02	0.0	0.0	0.06	0.6
11	2.2	34.147	27.986	0.1	0.02	0.1	0.1	0.08	0.3
10	2.93	34.147	27.983	0.1	0.02	0.0	0.1	0.11	0.8
9	3.97	34.145	27.988	0.1	0.02	0.1	0.1	0.07	0.4
8	4.72	34.145	27.975	0.1	0.02	0.2	0.1	0.10	0.7
7	7.68	34.149	27.949	0.1	0.03	0.2	0.1	0.08	1.1
6	9.97	34.160	27.799	0.1	0.03	0.2	0.2	0.09	1.1
5	12.7	34.373	27.931	0.2	0.03	0.1	0.2	0.08	1.3
4	15.3	34.430	27.938	0.2	0.03	0.2	0.2	0.06	1.4
3	17.1	34.439	27.940	0.2	0.03	0.2	0.3	0.07	1.5
2	20	34.456	27.952	0.1	0.13	0.6	0.9	0.17	7.1
1	20	34.460	27.953	0.1	0.10	0.6	0.6	0.16	5.6

Cruise: 92G09
Date: Sat Sep 26 1992, Julian day = 270
Time: 22:14:20 GMT
Lat.: 28 45.40 N
Lon.: 94 43.30 W
Stn.: 1A

meters	temp	salinity	sigmatheta	volts# 0
2.000	28.4116	34.7666	22.0866	6.189
3.000	28.4104	34.7657	22.0863	6.180
4.000	28.4038	34.7639	22.0872	6.221
5.000	28.3966	34.7643	22.0899	6.226
6.000	28.3958	34.7645	22.0904	6.246
7.000	28.4037	34.7635	22.0872	6.264
8.000	28.4113	34.7626	22.0841	6.211
9.000	28.4125	34.7626	22.0837	6.192
10.000	28.4123	34.7625	22.0838	6.238
11.000	28.4099	34.7632	22.0852	6.244
12.000	28.4095	34.7633	22.0855	6.188
13.000	28.4091	34.7633	22.0857	6.140
14.000	28.4090	34.7636	22.0860	6.103
15.000	28.4108	34.7635	22.0854	6.086
16.000	28.4108	34.7636	22.0856	6.093
17.000	28.4120	34.7626	22.0845	6.108
18.000	28.4088	34.7629	22.0859	6.080
19.000	28.4084	34.7626	22.0859	6.084
20.000	28.4095	34.7626	22.0856	6.083
21.000	28.4071	34.7625	22.0864	6.101



Stn. 1a
92G09

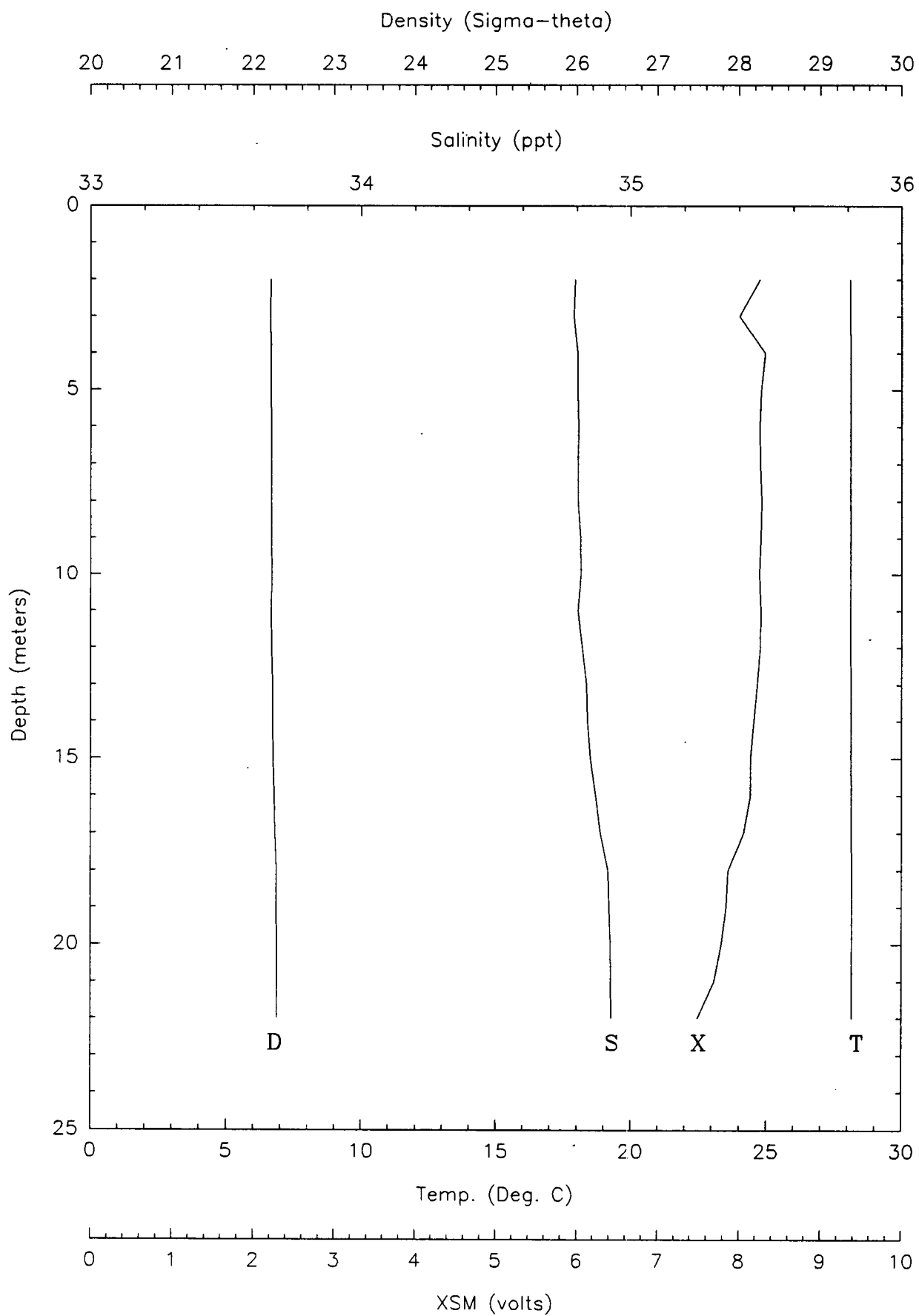
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE	92G09	STATION	001A	Date	27SEP
LAT	28 45.4N	LON	94 43.3W	Time	0327 GMT
Samples	12				

Btl	Z (m)	S (ppt)	T (C)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3
12	2.38	34.779	28.428	0.0	0.05	0.2	0.2	0.11	6.0
11	5.17	34.781	28.426	0.0	0.05	0.3	0.2	0.14	6.1
10	7.49	34.781	28.430	0.0	0.05	0.2	0.3	0.13	6.0
9	10.1	34.781	28.419	0.0	0.04	0.3	0.1	0.22	6.0
8	12.5	34.784	28.414	0.1	0.04	0.2	0.2	0.14	6.0
7	14.8	34.779	28.414	0.1	0.03	0.2	0.2	0.09	5.8
6	16.2	34.779	28.426	0.1	0.04	0.1	0.3	0.09	6.0
5	17.1	34.780	28.416	0.1	0.04	0.1	0.2	0.09	6.0
4	18.2	34.783	28.417	0.1	0.04	0.1	0.1	0.10	6.1
3	18.8	34.777	28.407	0.1	0.01	0.1	0.1	0.08	6.1
2	19.8	34.778	28.406	0.7	0.01	0.6	0.7	0.09	6.9

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 07:13:03 GMT
Lat.: 28 45.46 N
Lon.: 94 43.35 W
Stn.: 1B

meters	temp	salinity	sigmatheta	volts# 0
2.000	28.0826	34.7938	22.2150	8.255
3.000	28.0852	34.7877	22.2096	8.005
4.000	28.0950	34.8022	22.2174	8.318
5.000	28.0962	34.8027	22.2174	8.268
6.000	28.0978	34.8053	22.2190	8.249
7.000	28.0973	34.8041	22.2183	8.260
8.000	28.0966	34.8035	22.2181	8.275
9.000	28.1030	34.8124	22.2228	8.262
10.000	28.1046	34.8147	22.2241	8.244
11.000	28.0968	34.8038	22.2185	8.265
12.000	28.1054	34.8195	22.2276	8.258
13.000	28.1168	34.8367	22.2368	8.221
14.000	28.1188	34.8392	22.2382	8.180
15.000	28.1236	34.8501	22.2449	8.140
16.000	28.1388	34.8697	22.2547	8.137
17.000	28.1449	34.8885	22.2669	8.056
18.000	28.1576	34.9168	22.2841	7.865
19.000	28.1590	34.9208	22.2867	7.845
20.000	28.1603	34.9248	22.2894	7.781
21.000	28.1613	34.9271	22.2908	7.694
22.000	28.1620	34.9287	22.2919	7.494



Stn. 1b
92G09

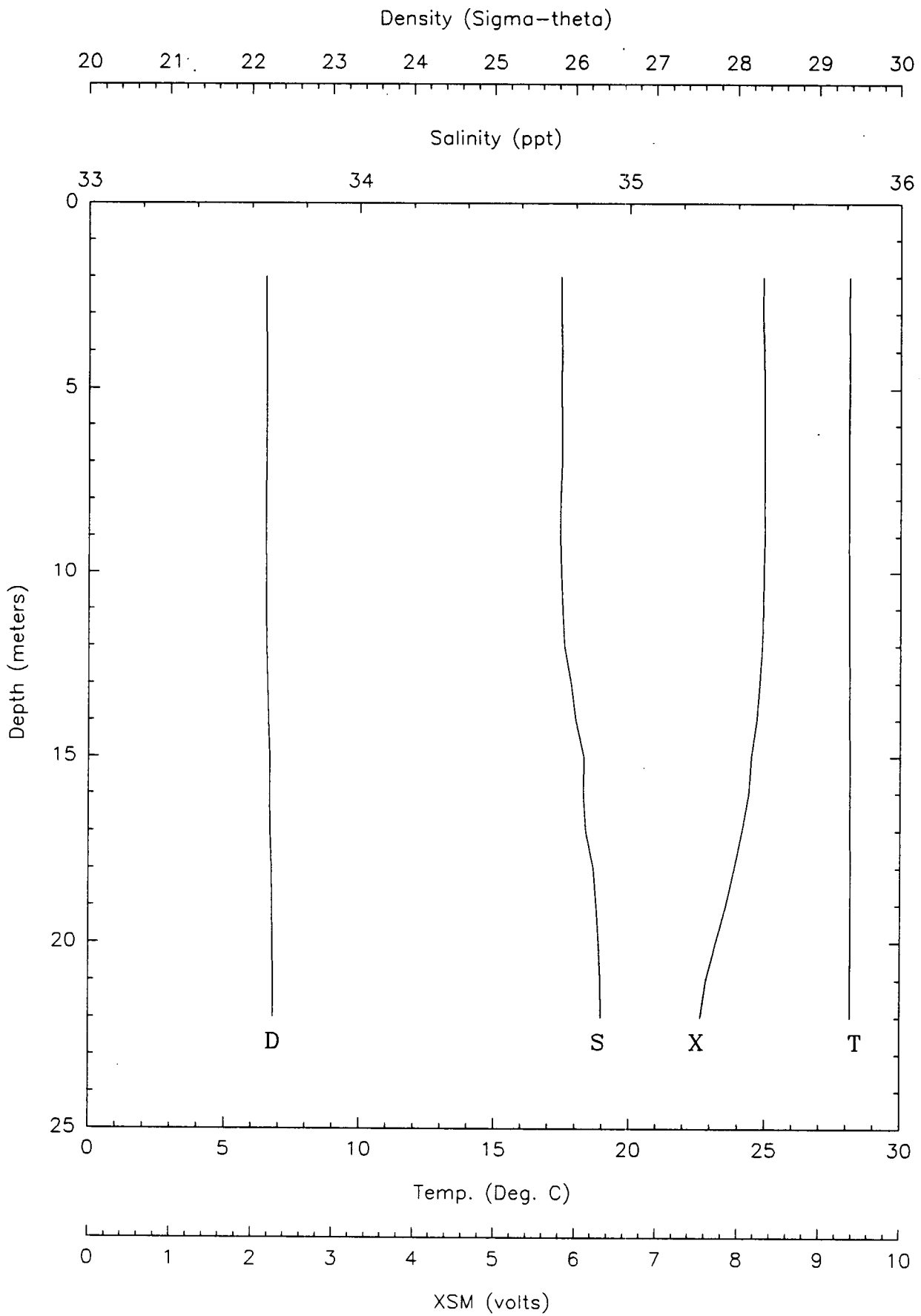
TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

CRUISE	92G09	STATION	001B	Date	27SEP
LAT	28 45.46N	LON	94 43.35W	Time	1223 GMT
Samples	12				

Btl	Z (m)	S (ppt)	T (C)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3
12	2.5	34.800	28.084	0.1	0.02	0.2	0.0	0.08	5.2
11	5.07	34.806	28.084	0.1	0.03	0.3	0.0	0.19	5.6
10	7.45	34.840	28.083	0.1	0.03	0.3	0.2	0.20	5.6
9	9.99	34.826	28.088	0.1	0.03	0.2	0.2	0.11	5.5
8	12.3		28.111	0.1	0.03	0.2	0.2	0.12	5.6
7	14.8	34.824	28.107	0.1	0.03	0.2	0.2	0.09	5.7
6	15.9	34.856	28.109	0.0	0.03	0.2	0.1	0.07	5.5
5	17.2	34.870	28.119	0.1	0.03	0.2	0.2	0.07	5.7
4	17.9	34.879	28.134	0.0	0.04	0.1	0.2	0.09	5.6
3	19	34.920	28.15	0.0	0.04	0.2	0.2	0.09	5.7
2	20.2	34.944	28.159	0.2	0.12	0.6	0.6	0.25	6.9
1	21.4	34.950	28.161		0.12	0.6	0.7	0.29	6.9

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 08:02:13 GMT
Lat.: 28 45.35 N
Lon.: 94 43.30 W
Stn.: 1C

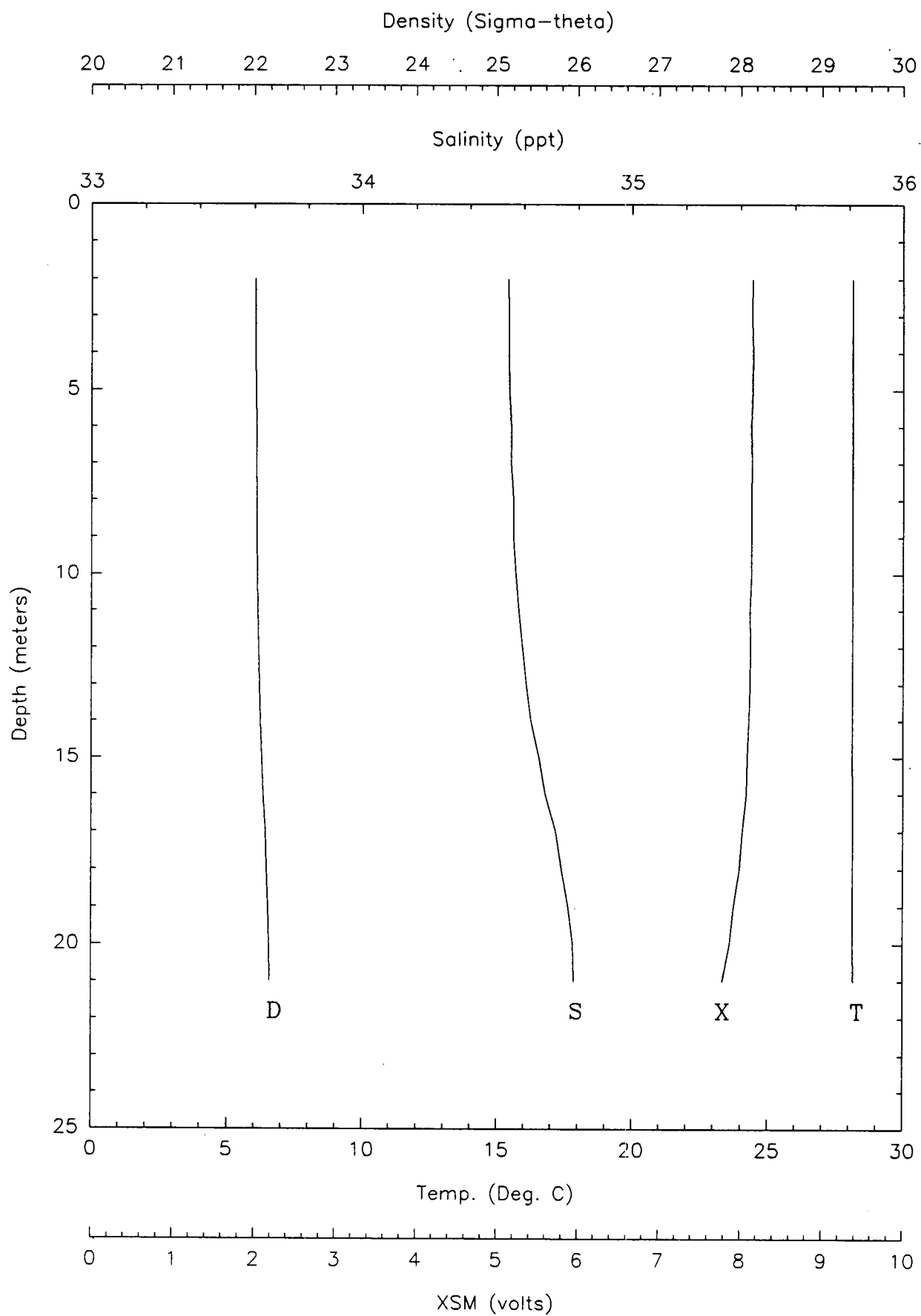
meters	temp	salinity	sigmatheta	volts# 0
2.000	28.0970	34.7451	22.1736	8.305
3.000	28.0931	34.7451	22.1749	8.298
4.000	28.0943	34.7481	22.1769	8.316
5.000	28.0936	34.7475	22.1768	8.322
6.000	28.0925	34.7493	22.1785	8.325
7.000	28.0934	34.7480	22.1774	8.321
8.000	28.0914	34.7444	22.1754	8.324
9.000	28.0915	34.7440	22.1751	8.330
10.000	28.0939	34.7470	22.1767	8.315
11.000	28.0971	34.7518	22.1793	8.309
12.000	28.1016	34.7598	22.1840	8.300
13.000	28.1149	34.7845	22.1982	8.267
14.000	28.1229	34.8021	22.2089	8.237
15.000	28.1362	34.8321	22.2272	8.168
16.000	28.1356	34.8304	22.2262	8.137
17.000	28.1398	34.8405	22.2325	8.058
18.000	28.1503	34.8688	22.2504	7.959
19.000	28.1541	34.8786	22.2566	7.858
20.000	28.1568	34.8880	22.2629	7.738
21.000	28.1589	34.8947	22.2673	7.616
22.000	28.1599	34.8963	22.2683	7.553



Stn. 1c
92G09

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 12:13:11 GMT
Lat.: 28 45.32 N
Lon.: 94 43.56 W
Stn.: 1d

meters	temp	salinity	sigmatheta	volts# 0
2.000	28.1169	34.5412	22.0138	8.146
3.000	28.1174	34.5420	22.0143	8.138
4.000	28.1190	34.5425	22.0143	8.152
5.000	28.1162	34.5442	22.0166	8.144
6.000	28.1121	34.5515	22.0234	8.129
7.000	28.1127	34.5521	22.0237	8.139
8.000	28.1107	34.5610	22.0312	8.131
9.000	28.1108	34.5607	22.0310	8.133
10.000	28.1109	34.5698	22.0379	8.135
11.000	28.1122	34.5789	22.0444	8.118
12.000	28.1142	34.5934	22.0547	8.120
13.000	28.1170	34.6081	22.0649	8.117
14.000	28.1209	34.6258	22.0770	8.106
15.000	28.1269	34.6556	22.0976	8.085
16.000	28.1316	34.6788	22.1136	8.074
17.000	28.1374	34.7180	22.1412	8.024
18.000	28.1405	34.7401	22.1568	7.993
19.000	28.1443	34.7657	22.1750	7.918
20.000	28.1476	34.7824	22.1865	7.875
21.000	28.1489	34.7855	22.1885	7.782



Stn. 1d
92G09

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

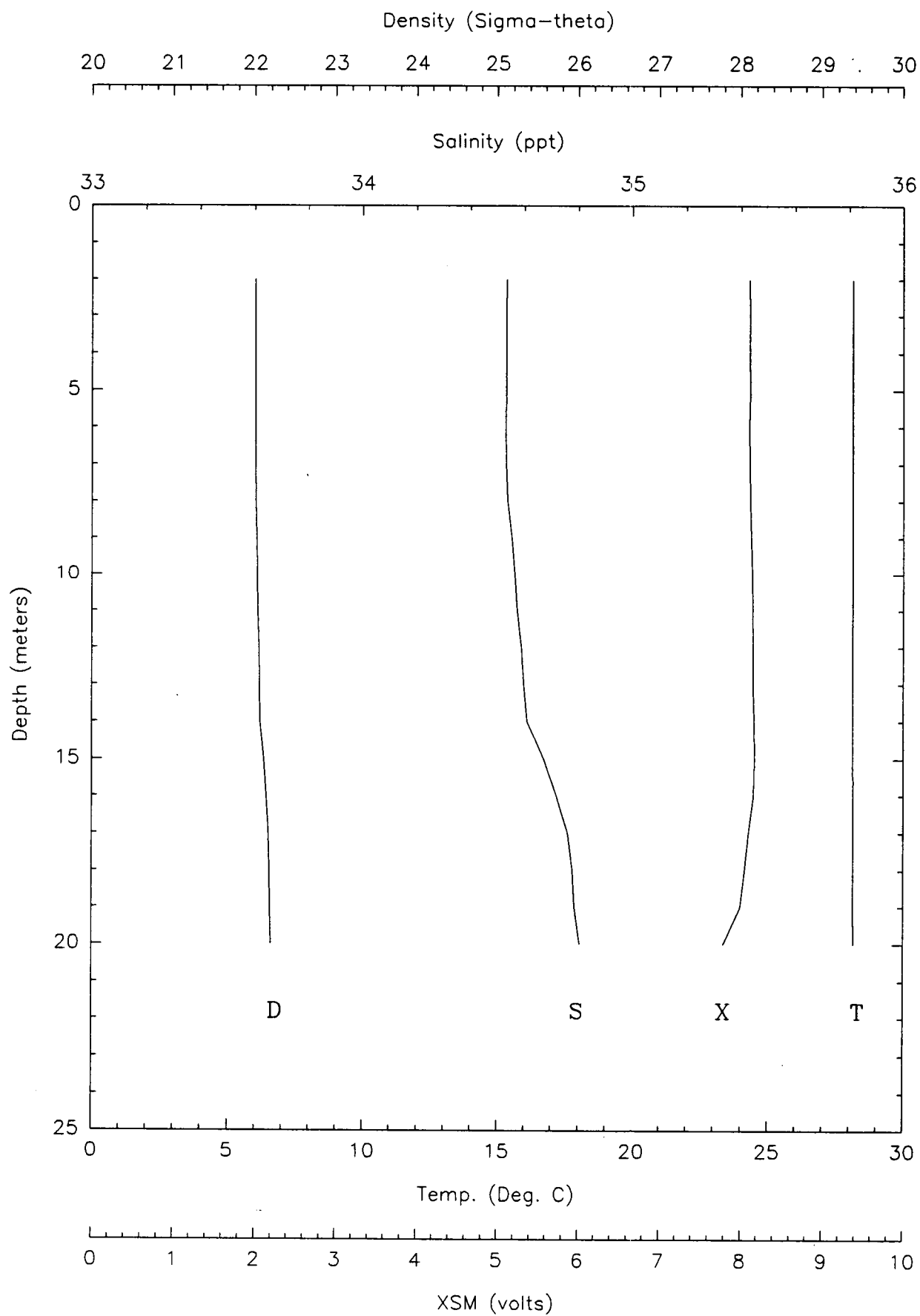
CRUISE 92G09 STATION 001D Date 28SEP
 LAT 28 45.32N LON 94 43.56W Time 1725 GMT
 Samples 12

Btl	Z (m)	S (ppt)	T (C)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3
12	2	34.552	28.119	0.1	0.02	0.1	0.1	0.41	5.8
11	5	34.569	28.120	0.1	0.02	0.2	0.1	0.52	5.8
10	7.52	34.585	28.114	0.1	0.02	0.2	0.2	0.54	5.7
9	10.1	34.616	28.113	0.1	0.03	0.3	0.1	0.31	5.9
8	12.5	34.671	28.115	0.1	0.02	0.3	0.1	0.37	5.9
7	14.9	34.689	28.124	0.1	0.03	0.2	0.2	0.25	6.0
6	16	34.733	28.133	0.1	0.03	0.1	0.1	0.18	5.9
5	16.9	34.755	28.138	0.1	0.02	0.2	0.1	0.16	5.9
4	17.9	34.782	28.142	0.1	0.03	0.2	0.1	0.16	6.0
3	18.9	34.793	28.144	0.1	0.03	0.1	0.1	0.11	6.0
2	19.9	34.769	28.149	0.1	0.03	0.1	0.1	0.14	6.0
*1	21	*34.553	28.149	0.1	0.03	0.1	0.1	0.11	6.1

*based on bottle salinity for Btl #1, this bottle either leaked or it tripped near sfc

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 12:49:15 GMT
Lat.: 28 45.31 N
Lon.: 94 43.56 W
Stn.: 1e

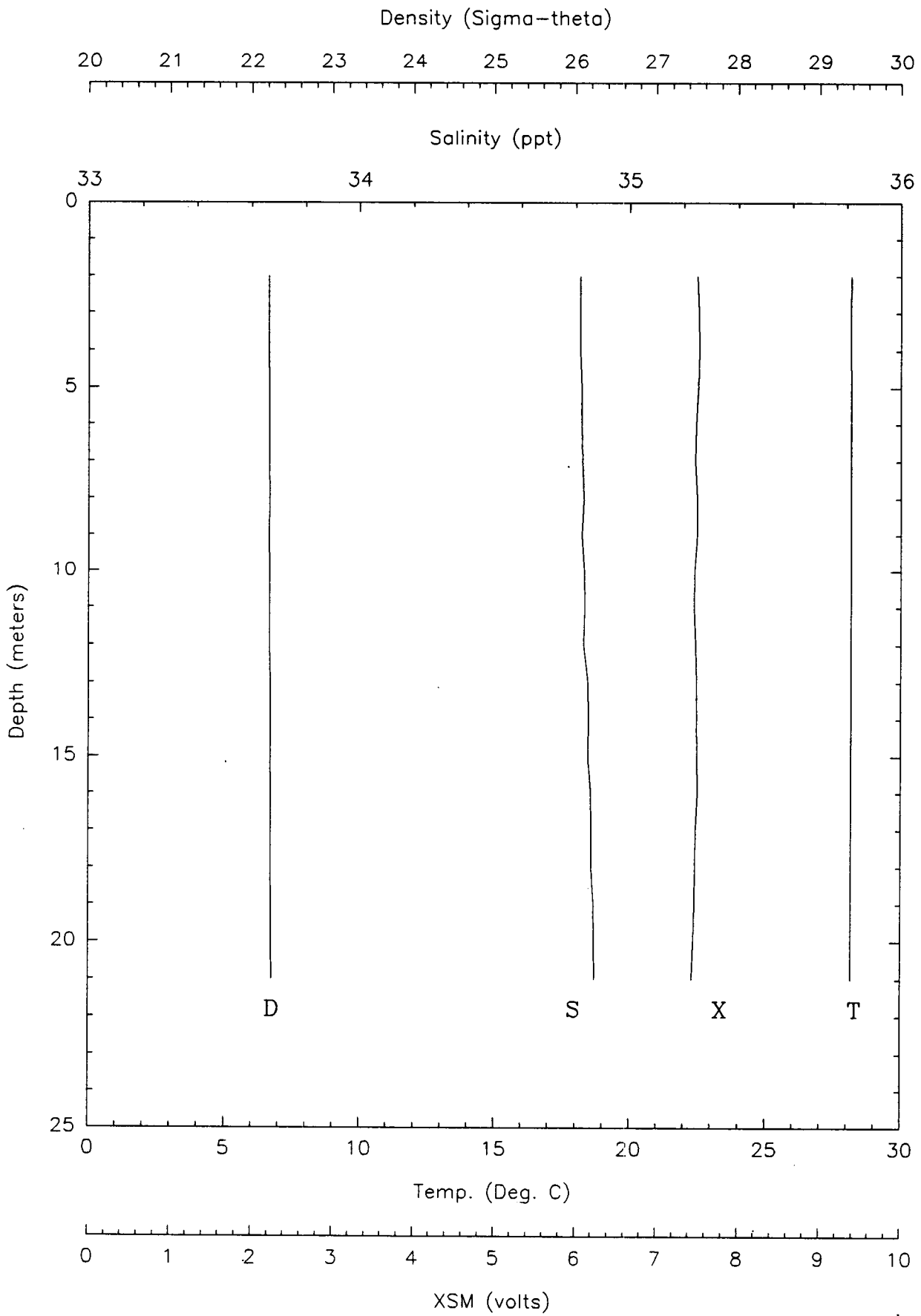
meters	temp	salinity	sigmatheta	volts# 0
2.000	28.1173	34.5334	22.0079	8.102
3.000	28.1210	34.5321	22.0058	8.112
4.000	28.1204	34.5319	22.0058	8.112
5.000	28.1208	34.5312	22.0053	8.115
6.000	28.1208	34.5307	22.0050	8.106
7.000	28.1202	34.5313	22.0057	8.109
8.000	28.1181	34.5374	22.0111	8.115
9.000	28.1134	34.5526	22.0241	8.128
10.000	28.1113	34.5634	22.0330	8.138
11.000	28.1112	34.5724	22.0398	8.148
12.000	28.1129	34.5891	22.0519	8.151
13.000	28.1141	34.5974	22.0578	8.149
14.000	28.1159	34.6104	22.0671	8.162
15.000	28.1243	34.6723	22.1110	8.169
16.000	28.1335	34.7185	22.1427	8.155
17.000	28.1429	34.7617	22.1722	8.097
18.000	28.1460	34.7785	22.1839	8.052
19.000	28.1472	34.7870	22.1900	7.995
20.000	28.1510	34.8060	22.2032	7.788



Stn. 1e
92G09

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 17:57:22 GMT
Lat.: 28 45.315 N
Lon.: 94 43.598 W
Stn.: 1f

meters	temp	salinity	sigmatheta	volts# 0
2.000	28.1510	34.8171	22.2101	7.499
3.000	28.1446	34.8163	22.2116	7.517
4.000	28.1459	34.8168	22.2116	7.524
5.000	28.1520	34.8224	22.2140	7.509
6.000	28.1542	34.8223	22.2133	7.490
7.000	28.1541	34.8257	22.2159	7.476
8.000	28.1545	34.8307	22.2196	7.496
9.000	28.1547	34.8240	22.2146	7.501
10.000	28.1560	34.8324	22.2205	7.469
11.000	28.1559	34.8351	22.2227	7.465
12.000	28.1560	34.8316	22.2201	7.482
13.000	28.1574	34.8459	22.2304	7.492
14.000	28.1577	34.8481	22.2321	7.493
15.000	28.1579	34.8469	22.2312	7.500
16.000	28.1595	34.8569	22.2383	7.505
17.000	28.1599	34.8596	22.2403	7.483
18.000	28.1607	34.8598	22.2403	7.474
19.000	28.1619	34.8689	22.2467	7.468
20.000	28.1623	34.8697	22.2473	7.454
21.000	28.1627	34.8712	22.2484	7.440



Stn. 1f
92G09

TEXAS A&M UNIVERSITY DEPT. of OCEANOGRAPHY HYDROGRAPHIC DATA

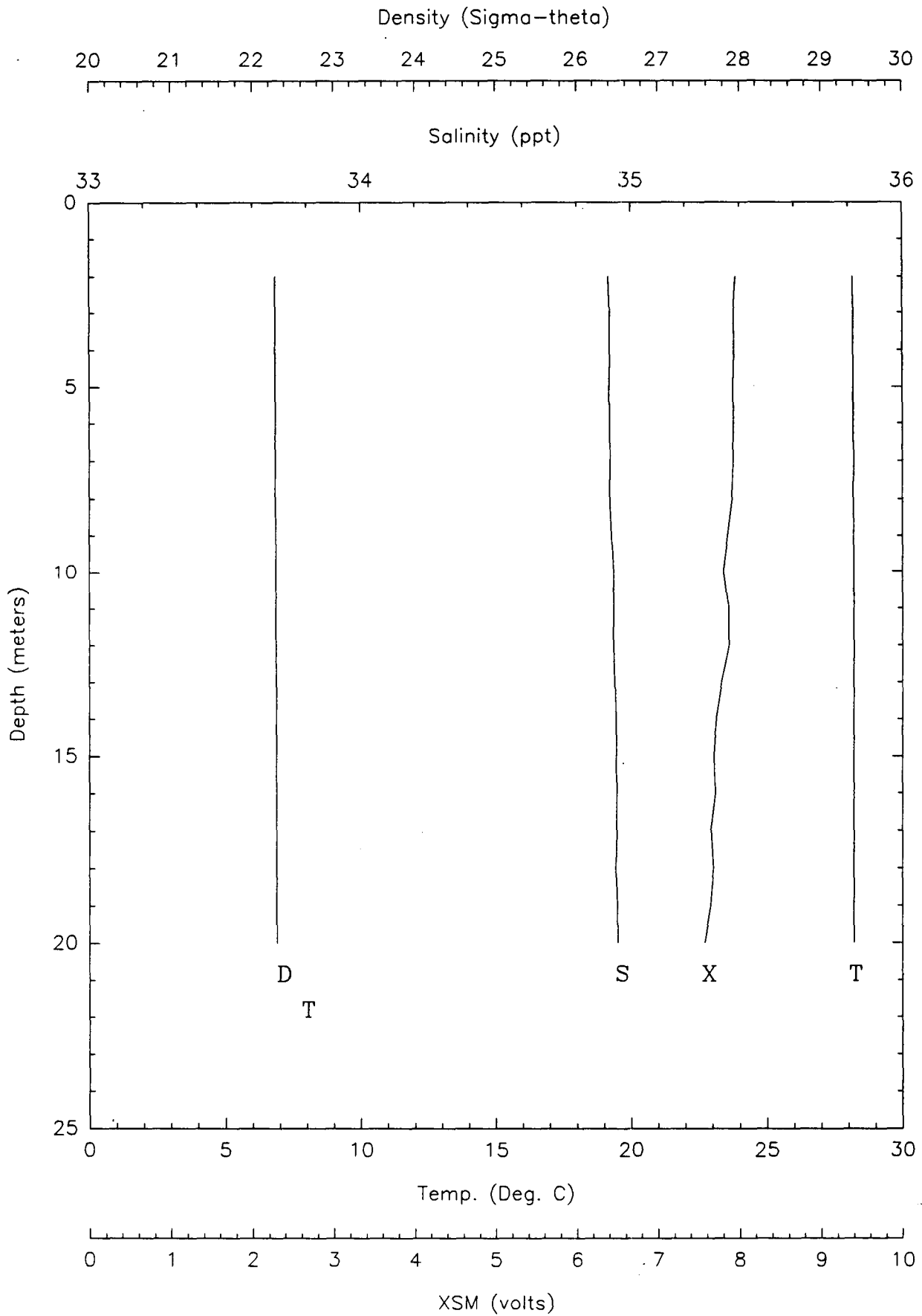
CRUISE 92G09 STATION 001F Date 28SEP
 LAT 28 45.32N LON 94 43.60W Time 2312 GMT
 Samples 12

Btl	Z (m)	S (ppt)	T (C)	NO3 (	NO2 umol/l	NH4)	Urea	PO4	SiO3
12	2.5	34.839	28.163	0.0	0.01	0.3	0.2	0.13	5.6
11	5.2	34.835	28.158	0.0	0.01	0.2	0.1	0.28	5.6
10	7.65	34.874	28.157	0.0	0.02	0.2	0.1	0.13	5.6
9	9.86	34.878	28.172	0.0	0.02	0.2	0.1	0.18	5.6
8	12.6	34.880	28.168	0.0	0.01	0.2	0.2	0.10	5.5
7	15.1	34.873	28.165	0.0	0.01	0.2	0.2	0.10	5.6
6	16.5	34.872	28.160	0.0	0.01	0.2	0.2	0.13	5.5
5	16.8	34.873	28.160	0.0	0.01	0.1	0.1	0.09	5.4
4	17.9	34.882	28.161	0.1	0.01	0.1	0.2	0.07	5.7
3	19.1	34.892	28.161	0.0	0.01	0.1	0.2	0.09	5.8
2	20.0	34.885	28.161	0.0	0.01	0.1	0.2	0.08	5.8
*1	20.9	*34.859	28.163	0.0	0.01	0.1	0.1	0.07	5.9

* As for Btl #1 from CTD 001D, bottle salinity is anomalous (suggesting a leak, i.e. contamination w near-surface water)

Cruise: 92G09
Date: Sun Sep 27 1992, Julian day = 271
Time: 20:47:44 GMT
Lat.: 28 45.187 N
Lon.: 94 43.663 W
Stn.: 1g

meters	temp	salinity	sigmatheta	volts# 0
2.000	28.1603	34.9155	22.2823	7.951
3.000	28.1824	34.9223	22.2789	7.923
4.000	28.1801	34.9213	22.2790	7.930
5.000	28.1797	34.9208	22.2789	7.919
6.000	28.1797	34.9214	22.2794	7.928
7.000	28.1834	34.9238	22.2800	7.917
8.000	28.1812	34.9214	22.2791	7.906
9.000	28.1870	34.9298	22.2835	7.857
10.000	28.1895	34.9352	22.2869	7.799
11.000	28.1901	34.9354	22.2869	7.868
12.000	28.1899	34.9351	22.2868	7.868
13.000	28.1931	34.9405	22.2899	7.778
14.000	28.1951	34.9443	22.2921	7.713
15.000	28.1952	34.9447	22.2925	7.682
16.000	28.1967	34.9472	22.2940	7.702
17.000	28.1965	34.9462	22.2933	7.646
18.000	28.1946	34.9426	22.2913	7.676
19.000	28.1976	34.9480	22.2945	7.639
20.000	28.1991	34.9510	22.2964	7.568



Stn. 1g
92G09

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 the wisest use of our land and water resources, protecting our fish and wildlife, 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 assure that their development is in the best interest of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.

