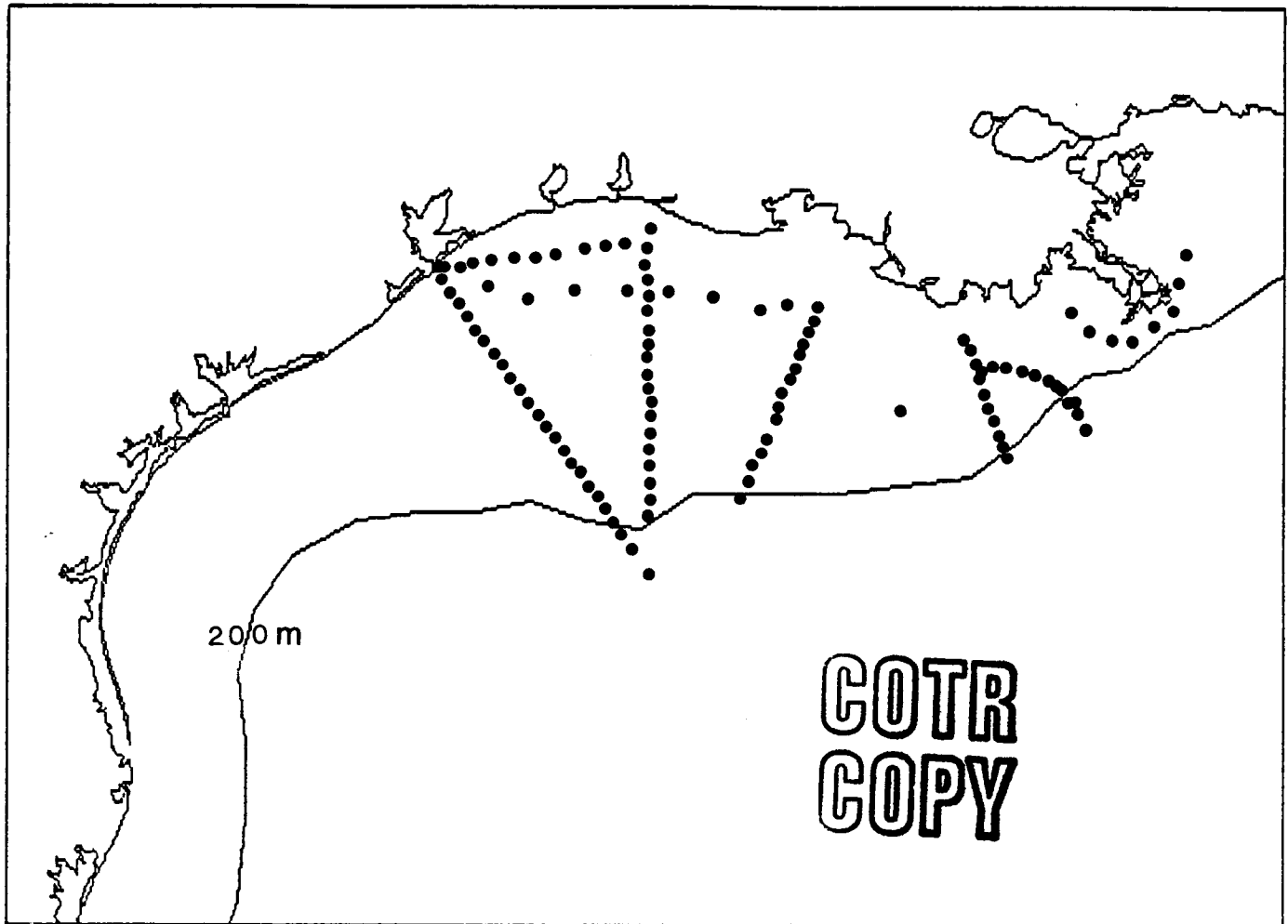


HYDROGRAPHIC DATA FROM THE TEXAS AND LOUISIANA CONTINENTAL SHELF OF THE NORTHWEST GULF OF MEXICO:

TEXAS INSTITUTIONS GULF ECOSYSTEM RESEARCH PROGRAM: CRUISE 90G-10



Technical Report 90-04-T of the Department of Oceanography
of Texas A&M University, College Station, TX 77843

2 November 1990

G.T. Rowe, Chief Scientist
R/V GYRE cruise 90G-10

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BRIEF DESCRIPTION OF CRUISE AND SCIENTIFIC PROGRAM

From 11-25 July 1990, R/V GYRE carried out a 15-day cruise to support Training and Research for the Texas Institutions Gulf Ecosystem Research (TIGER) initiative, in conjunction with the NOAA/NECOP program, the AMIGO program (collaboration with various Mexican institutions), and the Texas Institute of Oceanography. In addition to TAMU faculty, staff and students from College Station and Galveston, participating researchers came from NOAA (National Marine Fisheries Service, Sandy Hook NJ; Great Lakes Environmental Research Lab), Stockton State College (Pomona, NJ), the Universidad Autonoma de Mexico (Mexico City); and Technical Resources, Inc. (Sabine Island, FL).

GYRE departed Galveston, TX, at 1440 GMT on 11 July. During the first five days of the cruise, 11-16 July, the Texas shelf was surveyed with three transects of closely-spaced CTD stations: a) stations 01-25, along a NW-SE heading from Galveston Bay to the upper slope (27 18N and 93 W); b) stations 26-44, due north along 93W from the shelf-slope break (200m water depth), to the inner shelf (12m water depth); c) stations 45-54, westerly across the inner shelf from 93 W to the Galveston Sea Buoy.

Following the at-sea transfer of personnel at the Galveston Sea Buoy on the morning of 16 July, GYRE headed east for hydrographic work on the Louisiana shelf 16-24 July, where several additional transects of CTD stations were completed: a) stations 55-63, over the inner shelf from Galveston Bay to Atchafalaya Bay; b) stations 64-80, from the inner shelf off Atchafalaya Bay seaward to the shelf edge; c) stations 82-112, in the NECOP field area between 88 45W and 90 30W. For this latter work, carried out between 20-24 July, GYRE coordinated its hydrographic work with work being done concurrently from R/V PELICAN and R/V MALCOLM BALDRIGE.

After completing scientific work off the Mississippi River area at 0618 GMT on 24 July, GYRE returned to Galveston, TX, where the cruise terminated at 1400 GMT on 25 July.

90G-10 SCIENTIFIC PARTY

Chief Scientist: Dr. Gilbert Rowe (TAMU)

Other Scientists: Dr. Jim Ammerman (TAMU); Dr. Lauren Sahl (Stockton State College/TIO); Dr. Elva Escobar-Briones (UNAM); Dr. William Phoel (NOAA); Dr. Gabe Benoit (TAMUG; 11-16 July); Dr. Wayne Gardner (NOAA; 16-25 July).

Support Staff: David Murphy, Ken Bottom, Dennis Guffy, Mark Spears (TAMU Technical Support Services group); Phil Cheesman (TAMU); Celeste Andresen (Stockton State College); Brian May, Torre Oberling (NOAA/NMFS); Alan Price (TRI); Greg Boland (TAMU, 16-25 July).

Students: Lionel Sanchez; Liz Cruz; Diego Lopez; Martha Davies; Martin Ebel; Adam Cantu (11-16 July)

SUMMARY OF STATION ACTIVITIES, R/Y GYRE Training & Research cruise 90G-10:

PART ONE: Hydrographic work on Texas shelf and slope, 11-16 July

Date	GMT	Start Station Work	Finish Station Work	Station	Activity	
07-11	1440	departed dock in Galveston				
	1542 - 1606	29 19.0	94 38.4	29 18.9	94 38.4	STA 01 : CTD 01
	1836 - 1844	29 13.0	94 37.7	29 13.0	94 37.7	STA 02 : CTD 02
	1940 - 1945	29 08.3	94 33.6	29 08.4	94 33.6	STA 03 : CTD 03
	2035 - 2043	29 03.9	94 29.6	29 03.9	94 29.6	STA 04 : CTD 04
	2133 - 2137	28 59.0	94 25.7	28 58.9	94 25.7	STA 05 : CTD 05
	2228 - 2238	28 54.0	94 22.0	28 54.0	94 22.0	STA 06 : CTD 06
07-12	2245 - 0106	28 54.0	94 22.0	28 54.0	94 22.1	: box coring
	0138 - 0159	28 54.1	94 22.1	28 54.2	94 21.8	: ZP net tow
	0209 - 0232	28 54.3	94 21.4	28 54.9	94 20.6	: benthic trawl
	0239 - 0306	28 54.9	94 20.5	28 55.1	94 19.4	: benthic trawl
	0436 - 0446	28 49.7	94 17.0	28 49.7	94 17.9	STA 07 : CTD 07
	0551 - 0607	28 44.7	94 13.6	28 44.9	94 13.6	STA 08 : CTD 08
	0700 - 1100	28 40.1	94 09.5			STA 09 : *%? CTD
	1109 - 1116	28 40.0	94 09.4	28 40.1	94 09.4	: CTD 09
	1208 - 1215	28 34.7	94 05.1	28 34.8	94 05.1	STA 10 : CTD 10
	1336 - 1342	28 30.1	94 01.0	28 30.2	94 00.9	STA 11 : CTD 11
	1440 - 1448	28 25.0	93 56.5	28 25.1	93 56.4	STA 12 : CTD 12
	1533 - 1544	28 25.3	93 56.0	28 25.4	93 55.9	: CTD 12A
	1613 - 1737	28 25.5	93 55.6	28 25.2	93 54.9	: infiltrxing
	1754 - 1959	28 25.0	93 54.4	28 24.5	93 54.0	: box coring
	2028 - 2042	28 24.2	93 53.7			: PAR profile
	2101 - 2154	28 23.8	93 53.6	28 23.1	93 53.5	: box coring
	2240 - 2254	28 24.9	93 56.3	28 25.0	93 56.8	: ZP net tow
	2306 - 2345	28 25.2	93 56.8	28 25.8	93 58.0	: benthic trawl
07-13	0037 - 0056	28 20.3	93 52.3	28 20.3	93 52.3	STA 13 : CTD 13
	0146 - 0157	28 15.2	93 48.2	28 15.1	93 48.3	STA 14 : CTD 14
	0214 - 0242	28 14.9	93 48.6	28 14.7	93 48.8	: box coring
	0355 - 0405	28 10.4	93 44.0	28 10.4	93 44.0	STA 15 : CTD 15
	0452 - 0504	28 05.5	93 39.5	28 05.5	93 39.5	STA 16 : CTD 16
	0547 - 0602	28 01.5	93 36.4	28 01.5	93 36.5	STA 17 : CTD 17
	0650 - 0921	28 01.5	93 36.7	28 01.7	93 36.7	: infiltrxing
	1014 - 1228	28 00.8	93 36.5	28 00.2	93 35.5	: box coring
	1304 - 1315	28 00.1	93 35.1	28 00.0	93 34.8	: CTD 17A
	1336 - 1352	27 59.9	93 34.4	27 59.0	93 34.2	: ZP net tow
	1412 - 1504	27 58.2	93 34.2	27 56.4	93 33.3	: benthic trawl
	1547 - 1559	27 57.8	93 32.8	27 57.9	93 32.8	STA 18 : CTD 18
	1703 - 1723	27 52.8	93 28.6	27 52.8	93 28.6	STA 19 : CTD 19
	1820 - 1842	27 47.9	93 24.4	27 47.8	93 23.8	STA 20 : CTD 20
	1858 - 1934	27 47.6	93 23.3	27 47.3	93 23.1	: box coring
	1956 - 2009	27 46.9	93 22.6			: PAR profile
	2028 - 2145	27 46.7	93 22.1	27 45.5	93 20.7	: box coring
	2200 - 2218	27 45.4	93 20.7	27 45.6	93 20.7	: ZP net tow
	2248 - 2352	27 45.8	93 20.9	27 47.2	93 21.3	: benthic trawl
07-14	0034 - 0049	27 42.8	93 20.5	27 42.6	93 20.5	STA 21 : CTD 21
	0152 - 0226	27 37.9	93 16.5	27 37.7	93 16.6	STA 22 : CTD 22
	0315 - 0359	27 33.2	93 12.0	27 32.9	93 12.5	STA 23 : CTD 23
	0505 - 0551	27 28.2	93 07.6	27 28.0	93 07.6	STA 24 : CTD 24
	0734 - 0834	27 17.6	92 58.9	27 17.5	92 58.7	STA 25 : CTD 25

<u>Date</u>	<u>GMT</u>	<u>Start Station Work</u>		<u>Finish Station Work</u>		<u>Station</u>	<u>Activity</u>
	0908 - 1205	27 17.3	92 58.6	27 17.1	92 58.6	STA 25	infiltrxing
	1246 - 1400	27 17.1	92 58.7	27 16.9	92 58.1		box coring
	1436	27 16.8	92 57.7				secchi disk
	1454 - 1507	27 16.9	92 57.8	27 16.9	92 58.2		ZP net tow
	1522 - 1530	27 16.9	92 58.1	27 16.9	92 58.0		CTD 25A
	1804 - 1831	27 41.1	93 00.1	27 41.2	93 00.1	STA 26	CTD 26
	1922 - 1944	27 47.6	93 00.0	27 47.7	92 59.9	STA 27	CTD 27
	2030 - 2050	27 54.0	93 00.0	27 54.0	92 59.8	STA 28	CTD 28
	2131 - 2144	28 00.0	93 00.0	27 59.9	92 59.9	STA 29	CTD 29
	2246 - 2256	28 06.6	93 00.1	28 06.5	93 00.5	STA 30	CTD 30
07-15	2316 - 0026	28 06.3	93 00.3	28 05.5	92 59.9		box coring
	0130 - 0141	28 12.8	93 00.0	28 12.8	93 00.0	STA 31	CTD 31
	0235 - 0246	28 19.3	92 59.9	28 19.3	92 59.9	STA 32	CTD 32
	0332 - 0341	28 25.0	92 59.9	28 25.0	92 59.9	STA 33	CTD 33
	0425 - 0436	28 30.1	93 00.2	28 30.0	93 00.2	STA 34	CTD 34
	0443 - 0615	28 30.0	93 00.2	28 29.7	93 00.1		box coring
	0635 - 0711	28 29.7	93 00.2	28 30.7	93 00.4		benthic trawl
	0803 - 0810	28 37.1	93 00.1	28 37.1	93 00.1	STA 35	CTD 35
	0856 - 0901	28 43.3	93 00.1	28 43.3	93 00.1	STA 36	CTD 36
	0944 - 0948	28 49.0	93 00.0	28 49.0	93 00.0	STA 37	CTD 37
	1033 - 1036	28 55.3	93 00.0	28 55.4	93 00.0	STA 38	CTD 38
	1119 - 1121	29 01.1	93 00.1	29 01.1	93 00.0	STA 39	CTD 39
	1203 - 1207	29 07.3	93 00.0	29 07.4	93 00.0	STA 40	CTD 40
	1228 - 1304	29 07.5	92 59.9	29 07.6	93 00.0		box coring
	1311	29 07.7	93 00.0				secchi disk
	1342 - 1350	29 07.9	93 00.0	29 07.9	93 00.1		CTD 40A
	1359 - 1445	29 08.0	93 00.1	29 08.3	93 00.2		box coring
	1504 - 1528	29 08.7	93 00.2	29 09.6	93 00.1		benthic trawl
	1538 - 1544	29 09.8	93 00.2				PAR profile
	1610 - 1617	29 13.2	93 00.1	29 13.2	93 00.1	STA 41	CTD 41
	1658 - 1704	29 19.1	93 00.2	29 19.1	93 00.2	STA 42	CTD 42
	1745 - 1748	29 25.1	93 00.1	29 25.2	93 00.1	STA 43	CTD 43
	1844 - 1957	29 30.4	93 00.0	29 31.5	92 59.9	STA 44	box coring
	2025 - 2056	29 31.3	92 51.7	29 33.3	92 59.4		benthic trawl
	2112 - 2147	29 33.6	92 59.2	29 34.7	92 59.0		benthic trawl
	2200 - 2204	29 34.8	92 58.8	29 34.9	92 58.8		ZP net tow
	2215 - 2220	29 35.1	92 58.6	29 35.2	92 58.6		CTD 44
	2352 - 2357	29 28.5	93 10.4	29 28.5	93 10.4	STA 45	CTD 45
07-16	0052 - 0057	29 27.6	93 20.6	29 27.6	93 20.6	STA 46	CTD 46
	0201 - 0205	29 26.3	93 30.8	29 26.4	93 30.9	STA 47	CTD 47
	0324 - 0328	29 24.6	93 44.2	29 24.7	93 44.2	STA 48	CTD 48
	0432 - 0435	29 23.4	93 54.3	29 23.4	93 54.4	STA 49	CTD 49
	0539 - 0543	29 22.4	94 04.1	29 22.4	94 04.2	STA 50	CTD 50
	0642 - 0645	29 21.2	94 14.1	29 21.3	94 14.1	STA 51	CTD 51
	0743 - 0746	29 20.3	94 24.0	29 20.3	94 24.0	STA 52	CTD 52
	0830 - 0833	29 19.2	94 30.5	29 19.3	94 30.6	STA 53	CTD 53
	0927 - 0932	29 19.5	94 38.7	29 19.5	94 38.8	STA 54	CTD 54
	1356	29 21.2	94 39.1				secchi disk
	1408 - 1412	29 21.2	94 39.2	29 21.2	94 39.2		CTD 54A
	1434 - 1445	29 21.4	94 39.5				PAR profile
	1744 - 1747	29 10.0	94 15.6	29 10.0	94 15.7	STA 55	CTD 55
	1940 - 1944	29 05.9	93 57.6	29 05.9	93 57.7	STA 56	CTD 56
	2202 - 2206	29 08.6	93 34.4	29 08.7	93 34.5	STA 57	CTD 57

PART TWO: Hydrographic work on Louisiana shelf and slope, 17-24 July

Date	GMT	Start Station Work	Finish Station Work	Station	Activity
07-17	0036 - 0039	29 10.1 93 10.9	29 10.1 93 11.0	STA 58	CTD 58
	0305 - 0312	29 09.5 92 49.2	29 09.7 92 49.3	STA 59	CTD 59
	0537 - 0548	29 06.6 92 28.1	29 06.5 92 28.3	STA 60	CTD 60
	0826 - 0830	29 01.1 92 06.0	29 01.2 92 06.0	STA 61	CTD 61
	0955 - 0958	29 03.3 91 53.0	29 03.3 91 53.0	STA 62	CTD 62
	1135 - 1139	29 02.9 91 39.4	29 02.9 91 39.4	STA 63	CTD 63
	1232 - 1236	28 57.5 91 42.0	28 57.5 91 42.0	STA 64	CTD 64
	1324 - 1330	28 52.4 91 44.2	28 52.4 91 44.2	STA 65	CTD 65
	1411 - 1417	28 48.3 91 46.2	28 48.3 91 46.2	STA 66	CTD 66
	1454 - 1504	28 44.5 91 47.8	28 44.5 91 47.8	STA 67	CTD 67
	1511	28 44.5 91 47.7			secchi disk
	1601 - 1609	28 45.2 91 47.9	28 45.3 91 47.9		CTD 67A
	1631	28 45.5 91 47.9			deploy lander
	1738 - 1747	28 46.2 91 48.0			PAR profile
	1803 - 1954	28 45.8 91 47.9	28 46.3 91 48.4		box coring
	2033 - 2110	28 46.4 91 48.8	28 45.7 91 48.9		benthic trawl
	2125 - 2134	28 45.5 91 48.7	28 45.2 91 48.5		ZP net tow
07-18	0134	28 45.5 91 48.4			retrieve lander
	0321 - 0329	28 39.3 91 50.0	28 39.4 91 50.1	STA 68	CTD 68
	0415 - 0422	28 34.7 91 52.8	28 34.6 91 52.9	STA 69	CTD 69
	0506 - 0513	28 29.0 91 55.5	28 29.0 91 55.7	STA 70	CTD 70
	0555 - 0606	28 24.1 91 57.4	28 24.2 91 57.5	STA 71	CTD 71
	0740 - 0746	28 19.1 91 59.9	28 19.1 92 00.1	STA 72	CTD 72
	0901 - 0905	28 11.1 92 03.9	28 11.6 92 03.6	STA 73	CTD 73
	0957 - 1002	28 06.1 92 06.3	28 06.2 92 06.4	STA 74	CTD 74
	1055 - 1102	28 00.1 92 09.5	28 00.2 92 09.6	STA 75	CTD 75
	1153 - 1200	27 54.3 92 12.0	27 54.5 92 12.0	STA 76	CTD 76
	1251 - 1312	27 48.6 92 15.1	27 48.8 92 15.4	STA 77	CTD 77
	1632	28 00.1 92 09.6		STA 78	deploy lander
	1825 - 1917	28 00.5 92 09.3	28 00.9 92 09.6		box coring
	1940	28 01.1 92 09.7			secchi disk
	1952 - 2005	28 01.1 92 09.7	28 01.1 92 09.8		CTD 78
	2029 - 2109	28 01.3 92 10.0	28 01.3 92 10.2		box coring
	2119 - 2133	28 01.4 92 10.3	28 01.4 92 10.3		CTD 78A
	2145 - 2200	28 01.5 92 10.5	28 01.5 92 10.5		box coring
	2242 - 2329	28 01.5 92 09.1	28 02.6 92 08.0		benthic trawl
07-19	2347 - 0002	28 02.9 92 06.4	28 03.0 92 06.0		ZP net tow
	0134	27 59.9 92 09.5			retrieve lander
	0336 - 0351	27 54.2 92 11.9	27 54.3 92 11.9	STA 79	CTD 79
	0512 - 0518	27 49.3 92 15.0	27 49.3 92 15.0	STA 80	CTD 80
	1356	28 20.2 91 00.7		STA 81	deploy lander
	1429	28 20.3 91 00.7			secchi disk
	1448 - 1451	28 20.4 91 00.8	28 20.5 91 00.8		CTD 81
	1525 - 1541	28 20.8 91 01.2			PAR profile
	1552 - 1804	28 21.1 91 01.2	28 20.9 91 00.9		box coring
	1838 - 1915	28 21.0 91 01.0	28 21.3 90 58.8		benthic trawl
	1938 - 1949	28 20.1 91 00.2	28 19.9 91 00.5		ZP net tow
	2230 - 2241	28 20.1 91 00.9	28 20.1 91 01.0		CTD 81A
	2346	28 20.1 91 00.7			retrieve lander

<u>Date</u>	<u>GMT</u>	<u>Start Station Work</u>		<u>Finish Station Work</u>		<u>Station</u> : <u>Activity</u>
07-20	0458 - 0536	28 02.9	90 11.9	28 03.3	90 11.4	STA 82 : CTD 82
	0610 - 0630	28 07.5	90 13.0	28 07.6	90 13.0	STA 83 : CTD 83
	0712 - 0726	28 13.0	90 15.5	28 13.2	90 15.4	STA 84 : CTD 84
	0804 - 0811	28 18.5	90 17.5	28 18.7	90 17.4	STA 85 : CTD 85
	0853 - 0858	28 24.2	90 19.9	28 24.2	90 19.9	STA 86 : CTD 86
	0935 - 0940	28 29.6	90 22.0	28 29.7	90 21.4	STA 87 : CTD 87
	1017 - 1021	28 35.1	90 24.1	28 35.2	90 24.1	STA 88 : CTD 88
	1101 - 1104	28 40.9	90 26.0	28 40.9	90 25.9	STA 89 : CTD 89
	1142 - 1144	28 46.2	90 28.0	28 46.2	90 28.0	STA 90 : CTD 90
	1220 - 1223	28 51.1	90 30.5	28 51.1	90 30.5	STA 91 : CTD 91
	1419	28 36.8	90 23.6			STA 92 : deploy lander
	1453	28 34.1	90 23.3			: secchi disk
	1520 - 1524	28 37.3	90 23.1	28 37.4	90 22.9	: CTD 92
	1600 - 1615	28 37.6	90 22.3			: PAR profile
	1622 - 1753	28 37.8	90 22.3	28 38.1	90 21.3	: box coring
	1811 - 1847	28 37.8	90 21.0	28 36.2	90 20.7	: benthic trawl
	1908 - 1916	28 36.6	90 23.4	28 36.5	90 23.7	: ZP net tow
07-21	0013	28 36.9	90 23.8			: retrieve lander
	0544 - 1242	29 00.4	89 40.2	29 24.0	88 47.0	surface sampling
	1301 - 1305	29 24.0	88 46.9	29 24.0	88 46.9	STA 93 : CTD 93
	1425 - 1433	29 12.1	88 50.8	29 12.1	88 50.8	STA 94 : CTD 94
	1546 - 1556	29 02.9	88 53.1	29 02.8	88 53.2	STA 95 : CTD 95
	1708 - 1723	28 54.9	89 01.0	28 54.9	89 01.1	STA 96 : CTD 96
	1826 - 1841	28 50.9	89 11.0	28 50.9	89 11.0	STA 97 : CTD 97
	1945 - 1954	28 50.6	89 22.0	28 50.6	89 22.0	STA 98 : CTD 98
	2102 - 2113	28 54.0	89 33.2	28 54.0	89 33.3	STA 99 : CTD 99
	2120 - 2126	28 54.0	89 33.3	28 53.9	89 33.3	: ZP net tow
	2233 - 2239	29 01.0	89 41.1	29 01.0	89 41.0	STA 100 : CTD 100
07-22	2247 - 0023	29 01.0	89 41.0	29 01.1	89 41.1	: box coring
	0524	28 14.9	89 35.0			STA 101 : deploy lander
	0613 - 0918	28 15.8	89 34.9	28 19.0	89 33.6	: test MIPS
	1003 - 1039	28 14.9	89 34.8	28 15.4	89 34.3	: CTD 101
	1105 - 1140	28 15.3	89 34.2	28 15.8	89 33.7	: CTD 101A
	1227 - 1258	28 21.1	89 37.8	28 21.5	89 37.0	STA 102 : CTD 102
	1353 - 1423	28 26.1	89 41.9	28 26.2	89 41.2	STA 103 : CTD 103
	1427	28 26.2	89 41.0			: secchi disk
	1504 - 1511	28 26.1	89 39.9	28 26.1	89 39.7	: CTD 103A
	1616 - 1638	28 31.0	89 46.3	28 30.8	89 46.1	STA 104 : CTD 104
	1730 - 1802	28 34.4	89 51.5	28 34.2	89 51.4	STA 105 : CTD 105
	2045 - 2050	28 14.6	89 34.5			STA 106 : box coring
	2214	28 15.0	89 34.9			recover lander
07-23	2243 - 0308	28 14.7	89 34.8	28 15.2	89 34.4	: box coring
	0336 - 0356	28 15.4	89 34.3	28 16.1	89 34.8	: ZP net tow
	0606 - 0626	28 32.5	89 49.0	28 32.6	89 48.8	STA 107 : CTD 107
	0727 - 0741	28 36.4	89 58.0	28 36.5	89 57.9	STA 108 : CTD 108
	0828 - 0838	28 37.4	90 04.5	28 37.4	90 04.3	STA 109 : CTD 109
	0922 - 0928	28 38.6	90 11.1	28 38.6	90 11.0	STA 110 : CTD 110
	1028 - 1043	28 39.8	90 17.7	28 39.9	90 17.2	STA 111 : CTD 111
	1050 - 1105	28 40.0	90 17.1	28 40.1	90 16.9	: box coring
	1425	28 13.1	90 15.2			STA 112 : secchi disk
	1449 - 1502	28 13.0	90 14.4	28 13.0	90 14.2	: CTD 112
	2121	28 12.8	90 15.4			: deploy lander
	2214 - 0041	28 12.8	90 14.9	28 11.5	90 14.0	: box coring
07-24	0100 - 0151	28 12.2	90 15.2	28 09.6	90 14.5	: benthic trawl
	0228 - 0247	28 12.6	90 15.3	28 13.0	90 15.6	: ZP net tow
	0618	28 12.8	90 15.5			: recover lander
	1342 - 1346	28 33.4	91 29.5	28 33.5	91 29.5	STA 113 : box coring

DATE (month and year)		MARINE COASTAL WEATHER LOG — COASTAL STATION										
STATION NAME		STATE		STATION CALL SIGN		LOCATION		(Latitude)		(Longitude)		
SHIP		R/V GYRE		K-TCL								
(1) DATE	(2) GMT TIME (ZD+3)	(3) SKY COND.	(3) PRESENT WEATHER	(4) VISI-BILITY (miles)	(5) WIND DIR SPEED (knots)		(6) STATE OF SEA HEIGHT PERIOD (feet) (sec.)		(7) SEA WATER TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(8) AIR TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(9) PRESSURE	(10) REMARKS POSITION
7-11	1700	PTLY CLOUDY	OCC. RAIN SHOWERS	10	SSE	5 kts	1-2	2	86.2°	83°	1019.5	29°14'N ~ 94°38'W
7-11	2030	PTLY CLOUDY		10	SSE	5 kts	0-2	2	86.9°	90°	1018.6	29°04'N ~ 94°29'W
7-12	0030	PTLY CLOUDY		10	SSE	5 kts	1-2	2	86.8°	88°	1018.0	28°54'N 94°22'W
7-12	0430	PTLY CLOUDY	CLEAR	10	SE	8-10	1-2	2	86.8°	81°	1018.0	28°49'N ~ 94°17'W
7-12	0830	CLEAR	CLEAR	10	S	8-10	1-2	2	84.6	80°	1017.4	28°40'N ~ 94°09'W
7-12	1230	PTLY CLOUDY	CLEAR	12	WSW	5	1-2	2	85°	78°	1017.5	28°34'N 94°05'W
7-12	1630	CLOUDY	RAIN SHOWERS	10	NW	5	1-2	1	86.2°	81°	1018.1	28°25'N ~ 93°55'W
7-12	2030	PTLY CLOUDY	RAIN SHOWERS	10	N	3-5	1-2	1	87.2°	84°	1017.9	28°24'N ~ 93°53'W
7-13	0030	PTLY CLOUDY	CLEAR	10	NNE	5	1-2			88°	1017.4	28°22.15 N 93°53.97 W
7-13	0430	CLOUDY	SQUALLS	8-10	VAR	LT AIRS	0-1	-		81°	1018.0	28°06'N ~ 93°40'W
7-13	0830	PTLY CLOUDY	SQUALLS	10	VAR	LT AIRS	0-1	1-2	85.6	82°	1016.3	28°01'N ~ 93°36'W
7-13	1230	CLOUDY	LT. RAIN DRIZZLE	8	SW	06	1-2		85°	78°	1016.7	28°00'.22 N 93°35'.77 W
7-13	1630	CLOUDY	RAIN SHOWERS	6-8	VAR.	5	1-2	1-2		76°	1017.7	27°55'N ~ 93°29'W
7-13	2030	CLOUDY		10	NNW	8	2	2	85°	78°	1016.0	27°46'N ~ 93°21'W
7-14	0030	PTLY CLOUDY	CLEAR	10	NW	8	2-4	2	85°	78°	1016.0	27°42'N 93°20'W
7-14	0430	PTLY CLOUDY	CLEAR	10	NW	10-12	2-4	1-2		76°	1016.0	27°32'N ~ 93°08'W
7-14	0830	CLEAR		10	NW	5	2-4	1-2		78°	1015.8	27°17'N ~ 92°58'W
7-14	1230	CLEAR	CLEAR	10	NNW	12	2-3	2	85°	78°	1016	27°17'N 92°58'W

Page 1 of 5

MARINE COASTAL WEATHER LOG — COASTAL STATION

NAME VESSEL		STATE		CALL SIGN		LOCATION		(Latitude)	(Longitude)			
R/V GYRE		VT		KTCL								
(1) DATE	(2) GMT TIME (ZD+5)	(3) SKY COND. PRESENT WEATHER		(4) VISI-BILITY (miles)	(5) WIND DIR SPEED (knots)		(6) STATE OF SEA HEIGHT PERIOD (sec.)		(7) SEA WATER TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(8) AIR TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(9) PRESSURE	(10) POSITION
7-14	1130	PTLY. CLOUDY	CLEAR	10	NNW	10-12	2-4	1-2		81°	1017.1	29°22'N ~ 92°59'W
7-14	2030	CLEAR	L-HAZE	10	NW	12	2-3	1-2	85°	79°	1016.2	27°54'N ~ 93°00'W
7-15	0030	CLEAR	CLEAR	10	NNW	8	2	1-2	85°	80°	1017	28°05'N 92°59'W
7-15	0430	CLEAR	CLEAR	10	NNW	5	1-2	1-2		75°	1016.1	28°30'N ~ 93°00'W
7-15	0830	CLEAR	CLEAR	10	NNW	5	1-2	1-2		77°	1016.0	28°39'N ~ 93°00'W
7-15	0030	CLEAR	CLEAR	10	ENE	4	1-2	1-2	85°	80°	1016	29°07'N 93°00'W
7-15	1130	OVERCAST	LT. HAZE	6-8	NE	5	1-2	1-2	84.3°	85°	1017.4	29°14'N ~ 93°00'W
7-15	2040	CLOUDY	HAZE	8	SE	LT AIR	1	1-2		83	1017.4	29°32'N ~ 92°59'W
7-16	0030	CLOUDY	HAZE	6-8	NE	LT AIR	1	1-2		80	1017.5	29°28'N 93°12'W
7-16	0430	PTLY. CLOUDY	LT. HAZE	6-8	SE	10	2-3	2		80°	1017.5	29°23'N ~ 93°54'W
7-16	0830	CLOUDY	CLEAR	10	SSE	5	1-2	2		81°	1017.0	29°19'N ~ 94°30'W
7-16	1230	OVERCAST	L.T. RAIN	2-3	VAR	2-6	2-3	2		78°	1018	29°16'N 94°35'W
7-16	1640	OVERCAST	RAIN	1-3	SE	10-12	2-4	2		75°	1019.6	29°15'N ~ 94°23'W
7-16	2040	CLOUDY	RAIN	2-3	SE	10	2-3	2		75°	1020.5	29°07'N ~ 93°47'W
7-17	0030	CLOUDY	RAIN	2-3	E	16	2-3	2		71°	1020.5	29°10'N 93°10'W
7-17	0441	PTLY. CLOUDY	CLEAR	8-10	ESE	15	3-5	2		78°	1020.5	29°28'N ~ 92°35'W
7-17	0840	CLEAR	CLEAR	10	SE	15	3-5	3		80°	1020.5	29°01'N ~ 92°05'W
7-17	1230	CLOUDY		8-10	E	16	2-4	2		80°	1021	28°58'N 91°41'W

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MARINE COASTAL WEATHER LOG — COASTAL STATION

NAME <i>VESSEA</i>		STATE		CALL SIGN		LOCATION		(Latitude)	(Longitude)			
<i>RIV GYRE</i>				<i>KJCL</i>								
(1) DATE	(2) Lan T TIME (2015)	(3)		(4) VISI- BILITY (miles)	(5) WIND		(6) STATE OF SEA		(7) SEA WATER TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(8) AIR TEMP <input type="checkbox"/> C <input type="checkbox"/> F	(9) PRESSURE	(10) POSITION
		SKY COND.	PRESENT WEATHER		DIR	SPEED (knots)	HEIGHT (feet)	PERIOD (sec.)				
7-17	1630	CLOUDY	RAIN SQUALLS	6-8	E	10-12	2-4	2	83.7°	82°	1022.2	28°44'N ~ 91°49'W
7-17	2030	CLOUDY	RAIN SQUALLS	10	SE	12-14	2-4	2	84°	80°	1022.3	28°46'N ~ 91°48'W
7-18	0030	CLOUDY	CLEAR	10	VAR E-SE	12-14	2-4	2	8	80	1021.0	28°45'N 91°48'W
7-18	0500	PTLY CLOUDY	CLEAR	10	E/SE	10-15	2-4	2		78	1021.5	28°29'N ~ 91°55'W
7-18	0840	CLOUDY	CLEAR	10	ESE	10-15	2-4	2		80	1020.2	28°12'N ~ 92°01'W
7-18	1240	CLOUDY	CLEAR	10	VAR E	10	2-4	2		80	1020	27°53'N 92°12'W
7-18	1630	CLOUDY	OCC. RAIN LT. HAZE	6-8	E	10-12	2-4	2	84.2°	84°	1021.1	28°01'N ~ 92°06'W
7-18	2140	CLOUDY	OCC. RAIN HAZE	6	E	15	2-4	2	84°	83°	1020.0	28°01'N ~ 92°10'W
7-19	0020	CLOUDY	HAZE	6	E	15	2-3	2		82°	1018	28°00'N 92°09'W
7-19	0430	PTLY CLOUDY	LT. HAZE	8-10	E	10-15	2-3	2		80°	1018.5	27°49'N 92°14'W
7-19	0830	CLOUDY	CLEAR	10	E	15	2-3	2		83°	1017.8	28°03'N ~ 91°44'W
7-19	1230	PTLY CLOUDY	CLEAR	10	E	10	2-3	2		84°	1018	28°17'N 91°05'W
7-19	1630	PTLY CLOUDY	CLEAR	10	ENE	8	1-2	1-2	84.2°	89°	1019.1	28°21'N ~ 91°01'W
7-19	2030	CLOUDY	OCC. SQUALLS	10	ENE	8	1-2	2	85°	85°	1018.3	28°19'N ~ 91°01'W
7-20	0030	PTLY CLOUDY	CLEAR	10	E	10	2	2		82°	1017.5	28°18'N 90°56'W
7-20	0430	PTLY CLOUDY	CLEAR	10	ESE	10-12	2-3	1-2		84°	1018.3	28°03'N 90°11'W
7-20	0830	CLEAR	CLEAR	10	SE	10	1-2	2		82°	1017.8	28°21'N ~ 90°19'W
7-20	1230	PTLY CLOUDY	CLEAR	10	S	5	1-2	2		82	1018	28°50'N 90°30'W

Page 3 of 5

DATE (month and year)		NOAA FORM 72-5A (12 80)		MARINE COASTAL WEATHER LOG — COASTAL STATION										U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	
NAME <i>JESSIE</i>				STATE		CALL <i>3.4N</i>		LOCATION		(Latitude)	(Longitude)				
<i>RLU GYRE</i>						<i>K-TU</i>				<i>POSITION</i>					
(1)	(2)	(3)		(4)	(5) WIND		(6) STATE OF SEA		(7)		(8)	(9)	(10)		
DATE	GMT TIME (0-24)	SKY COND.	PRESENT WEATHER	VISIBILITY (miles)	DIR	SPEED (knots)	HEIGHT (feet)	PERIOD (sec.)	SEA WATER TEMP □ C ■ F	AIR TEMP □ C ■ F	PRESSURE	<i>POSITION</i>			
7-20	1630	CLOUDY	RAIN SQUALLS	6-8	E/SE	10	1-2	1	83.3°	84°	1020	28°37'N ~ 90°22'W			
7-20	2030	CLOUDY	RAIN SQUALLS	10	S	5	1-2	1		83°	1018.8	28°36'N ~ 90°23'W			
7-21	0030	PTLY CLOUDY	CLEAR	10	S	LT AIRS	1-2	1	85°	87°	1018.3	28°36'N 90°23'W			
7-21	0430	PTLY CLOUDY	OCC. RAIN SQUALLS	10	ESE	5	1-2			82°	1020	28°53'N ~ 89°54'W			
7-21	0930	CLEAR		10	S	8	1-2	2		83°	1018.2	28°51'N ~ 89°11'			
7-21	1230	PTLY CLOUDY	CLEAR	10	S	2	1-2	2		84°	1019	29°24'N 88°47'W			
7-21	1630	PTLY CLOUDY	LT. HAZE	8	VAR.	LT.	CALM	5-8 SWELL		87°	1020.5	28°59'N ~ 88°56'W			
7-21	2045	PTLY CLOUDY	LT. HAZE	8	VAR.	LT.	CALM	5-8 SWELL		86°	1019.1	28°53'N ~ 89°31'W			
7-22	0030	PTLY CLOUDY	LT. HAZE	8	S	LT	CALM	9-12 SWELL		84°	1018	29°00'N 89°41'W			
7-22	0430	CLEAR	CLEAR	10	S	LT. AIRS	CALM	5-8 SWELL		83°	1018.2	28°24'N ~ 89°34'W			
7-22	0830	CLEAR	CLEAR	10	SSW	5	CALM			82°	81°	1017.6	28°18'N ~ 89°34'W		
7-22	1230	PTLY CLOUDY	CLEAR	10	SSW	8	CALM	5-8 SWELL		81°	1018	28°15'N 89°33'W			
7-22	1630	PTLY CLOUDY	OCC. RAIN SQUALLS	10	SSW	5	1-2	2	84.5°	85°	1020	28°31'N ~ 89°46'W			
7-22	2030	PTLY CLOUDY		10	SW	8	1-2	2	86	90°	1018.6	28°14'N ~ 89°34'W			
7-23	0030	PTLY CLOUDY	CLEAR	10	SW	6-8	1-2	2	86°	87	1019	28°14'N 89°34'W			
7-23	0430	PTLY CLOUDY	CLEAR	10	SW	5-10	1-2	2		82	1019.5	28°18'N ~ 89°37'W			
7-23	0830	CLEAR	CLEAR	10	SW	6	1-2	2		82	1018.8	28°37'N ~ 90°04'			
7-23	1230	PTLY CLOUDY	CLEAR	10	SW	6	1-2	2		85	1018	28°27'N 90°16'W			

DATE (month and year)

NOAA FORM 72-5A
(12-80)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

MARINE COASTAL WEATHER LOG — COASTAL STATION

NAME VESSEL		STATE		CALL SIGN		LOCATION		(Latitude)		(Longitude)			
R/V GYRE				KJCL									
(1) DATE	(2) GMT TIME (20+5)	(3)		(4) VISI- BILITY (miles)	(5) WIND		(6) STATE OF SEA		(7)		(8) AIR TEMP □ C ■ F	(9) PRESSURE	(10) POSITION
		SKY COND.	PRESENT WEATHER		DIR	SPEED (knots)	HEIGHT (feet)	PERIOD (sec.)	SEA WATER TEMP □ C ■ F	AIR TEMP □ C ■ F			
7-23	1630	PTLY CLOUDY	CLEAR	10	S	10	1-2	1-2			88	1019.0	28°01'N ~ 90°08'W
7-23	2030	PTLY CLOUDY	CLEAR	10	SW	10	1-2	2			92	1018.5	28°08'N ~ 90°13'W
7-24	0030	PTLY CLOUDY	CLEAR	10	SW	8	1-2	2			88	1018.0	28°12'N 90°15'W
7-24	0430	CLEAR	CLEAR	10	SW	LT. AIRS	SW	SWELL			82	1019.0	28°12'N ~ 90°15'W
7-24	0830	CLEAR	CLEAR	10	SW	5					80	1018.8	28°17'N ~ 90°31'W
7-24	1230	CLEAR	CLEAR	10	SW	6	1-2	2			84°	1019.0	28°29'N 91°18'W
7-24	1630	OVER CAST	LT. HAZE	6-8	LT. AIRS		SW	SWELL			91°	1020.0	28°39'N ~ 91°55'W
7-24	2030	PTLY CLOUDY	LT HAZE	10	SW	4	1	SW SWELL			84°	1019.0	28°45'N ~ 92°17'W
7-25	0030	PTLY CLOUDY	LT. HAZE	8	LT. AIRS		SW	SWELL			86	1019.0	29°00'N 93°20'W
7-25	0430	PTLY CLOUDY	LT. HAZE	8	LT. AIRS		SW	SWELL			81	1019.0	29°09'N ~ 93°54'W

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CTD + TRANSMISSOMETER DATA

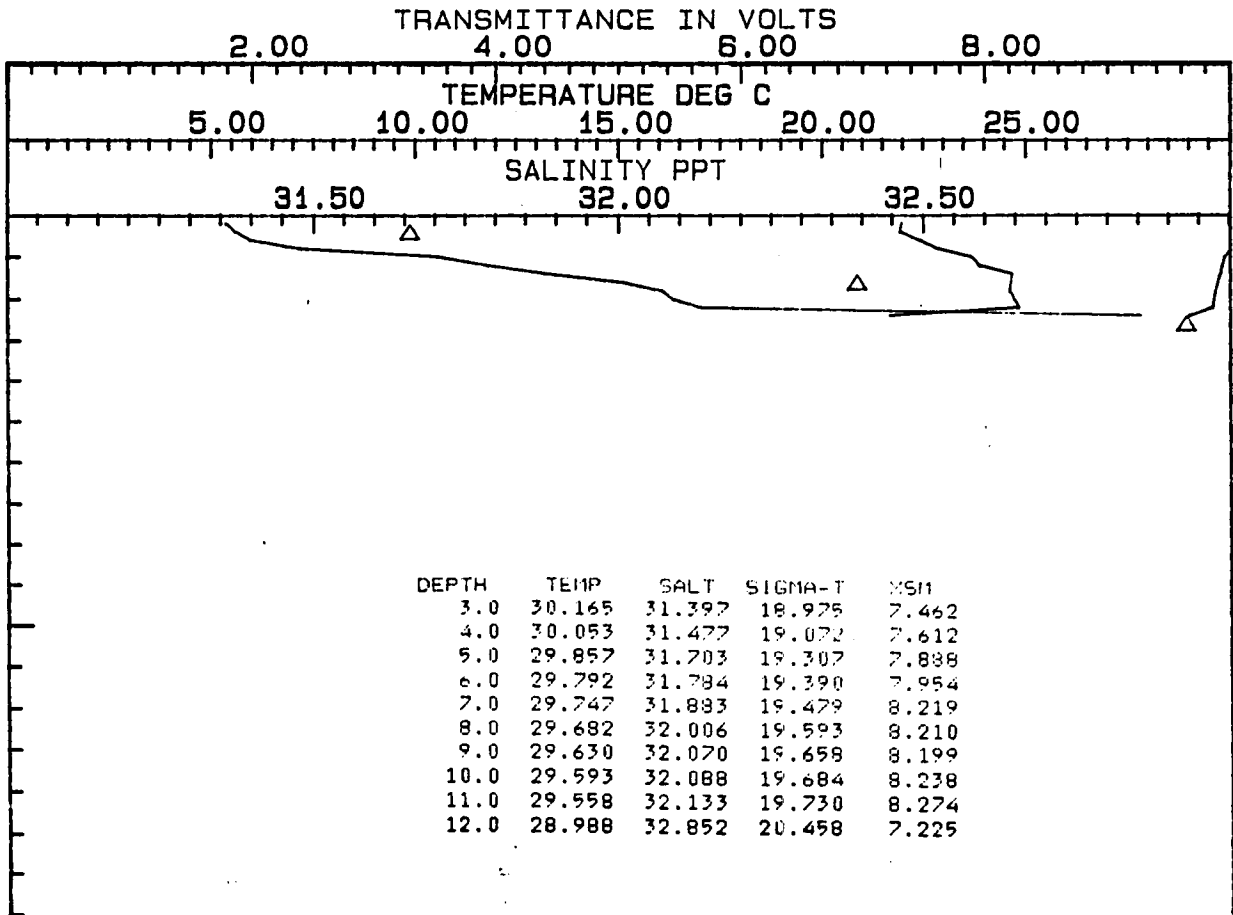
Temperature, salinity, and transmissivity were profiled with a Seabird SBE-09 CTD to which we mated a SeaTech model 025D 25-cm pathlength transmissometer.

The following pages present plots of downcast temperature, salinity, and transmissometer data, along with tables of 1m-averaged downcast CTD and transmissometer data. No correction has been made to the raw data CTD salinities, because these generally agreed to within ± 0.005 with bottle salinities determined using our Guildline model 8400A conductive salinometer. Triangles superimposed on the (downcast) CTD salinity profiles present these (upcast) bottle salinity data.

NOTE: CTD profiles were made at 112 stations on cruise 90G-10, but data from only 106 of these are presented in this Technical Report. At the first station, CTD-01 did not get saved to disk, and hard-disk problems with GYRE's mainframe computer caused the subsequent loss of CTD + transmissometer data from stations 80 and 81, and from 104-106. Only the bottle data from stations 80-81 and from stations 104-106 remain, which are presented along with bottle data from the rest of the stations in the next section in this Technical Report.

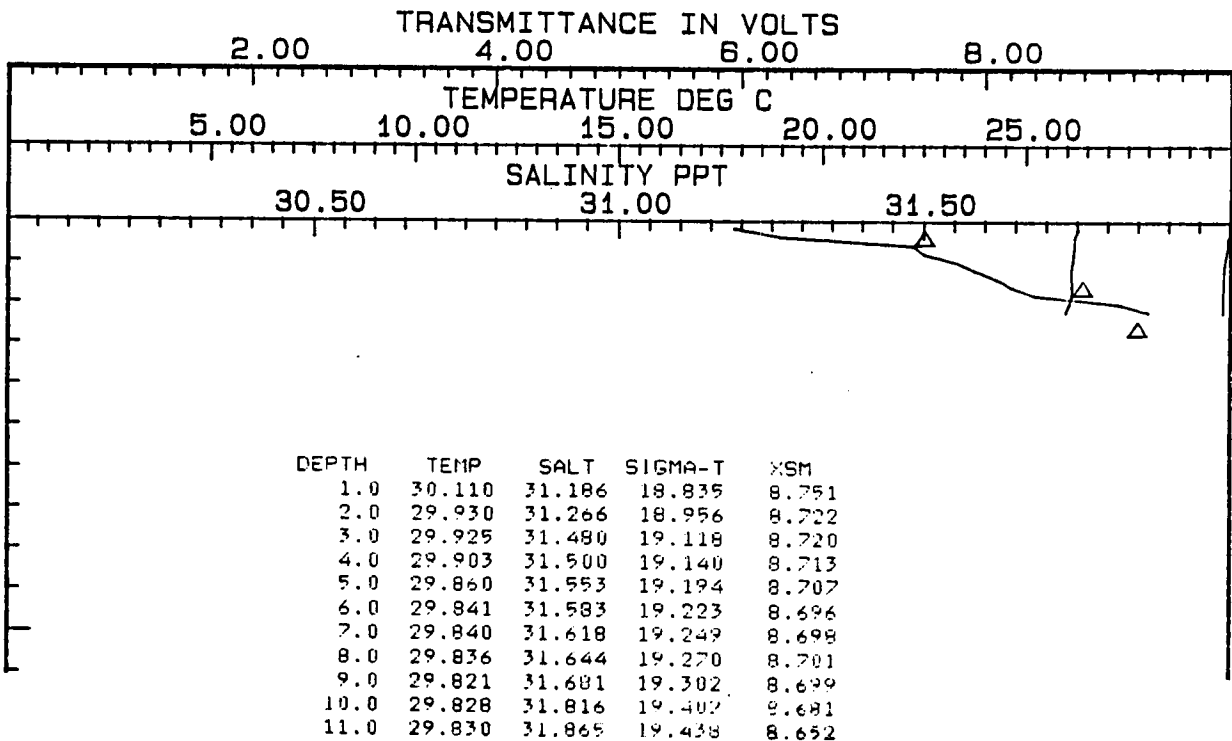
DEPTH

50



CRUISE: 90g1 STATION: SB002.PL DATE: Jul 11 18:39:50 1990
 LATITUDE: 29 10.86 LONGITUDE: 94 37.09
 TRIANGLES DENOTE DISCRETE SAMPLES

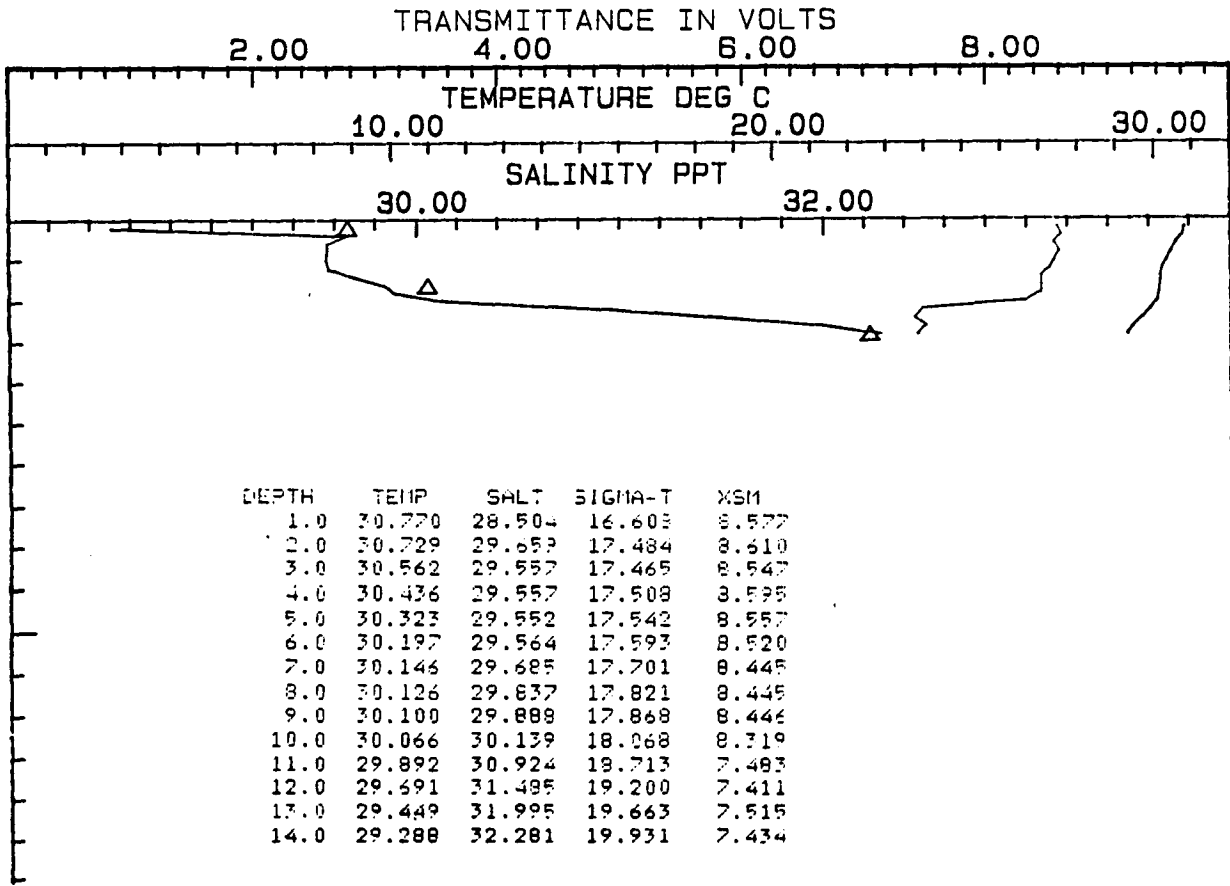
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CRUISE: 90g1 STATION: SB003.PL DATE: Jul 11 19:40:33 1990
 LATITUDE: 29 6.32 LONGITUDE: 94 33.16
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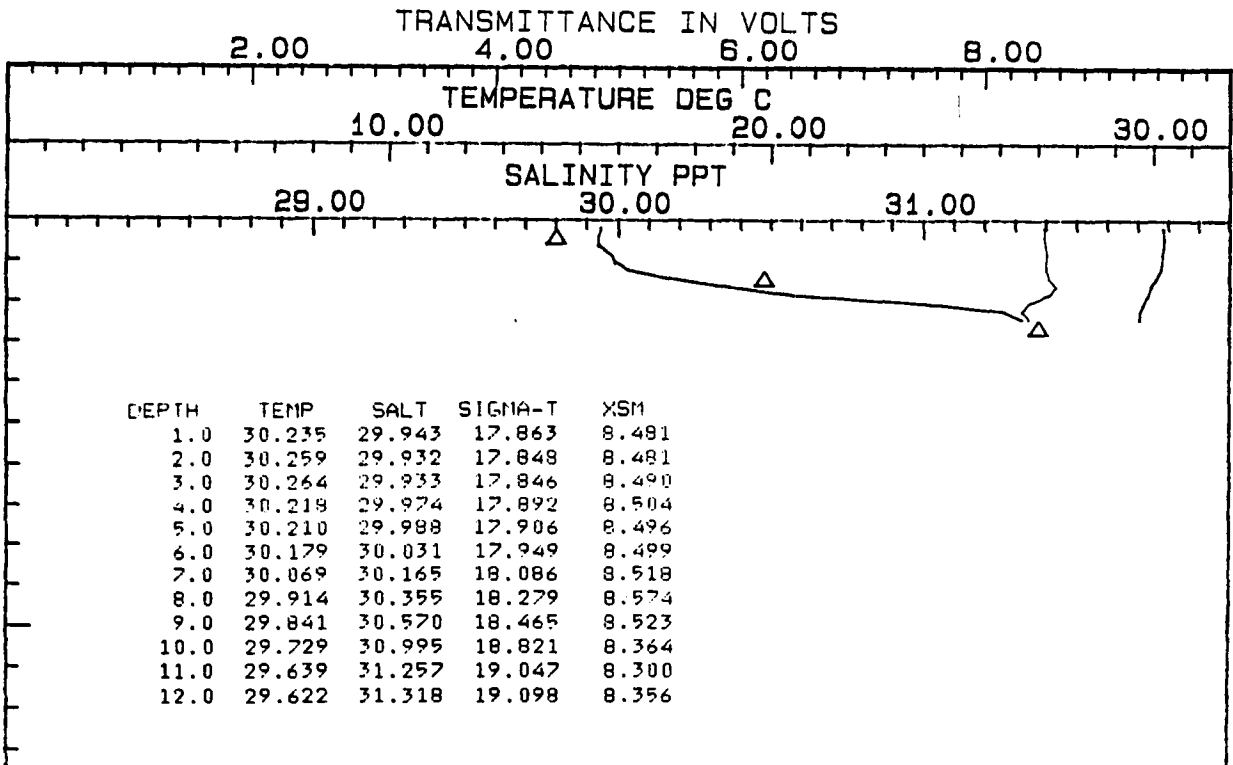
DEPTH

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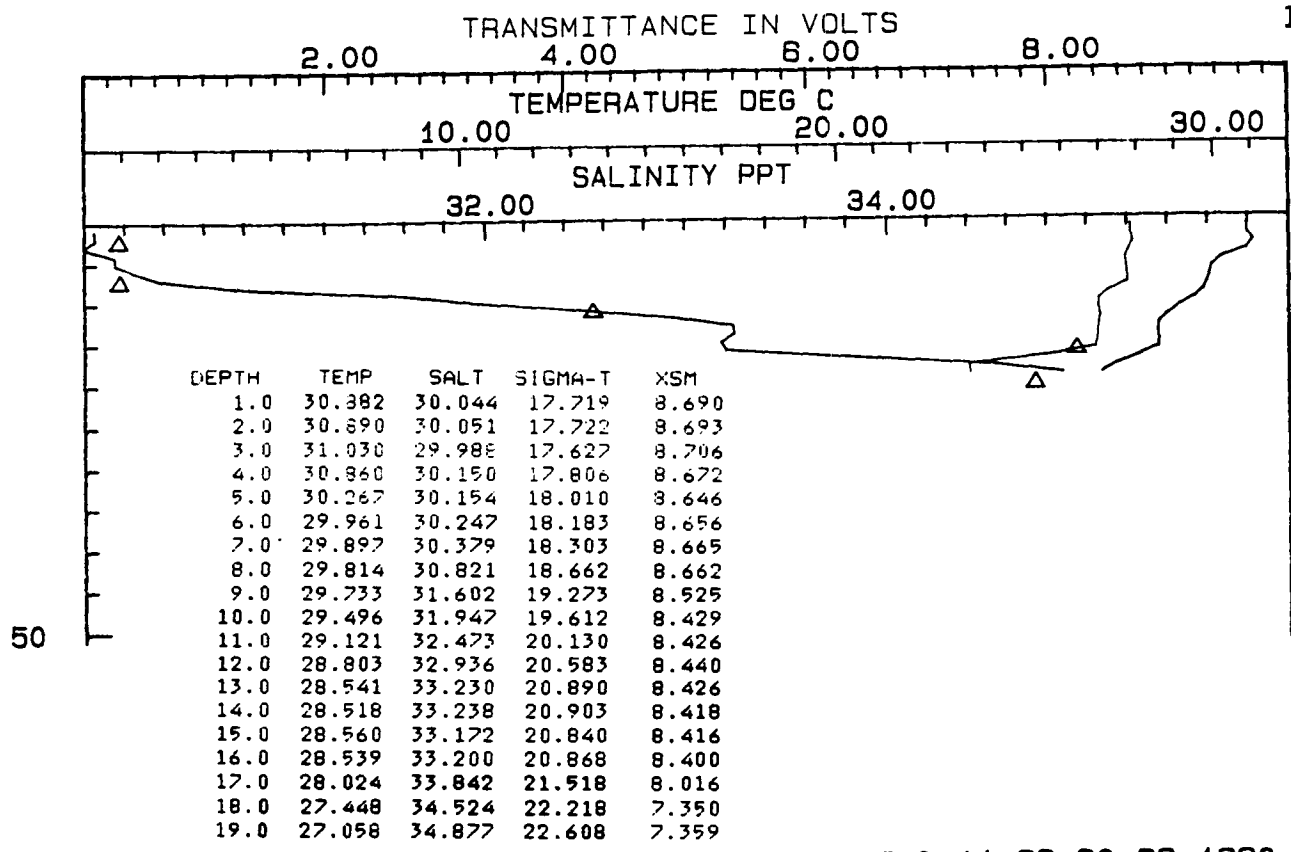


CRUISE: 90g10 STATION: SB004.PL DATE: Jul 11 20:36:47 1990
 LATITUDE: 29 03.82 LONGITUDE: 94 29.53
 TRIANGLES DENOTE DISCRETE SAMPLES

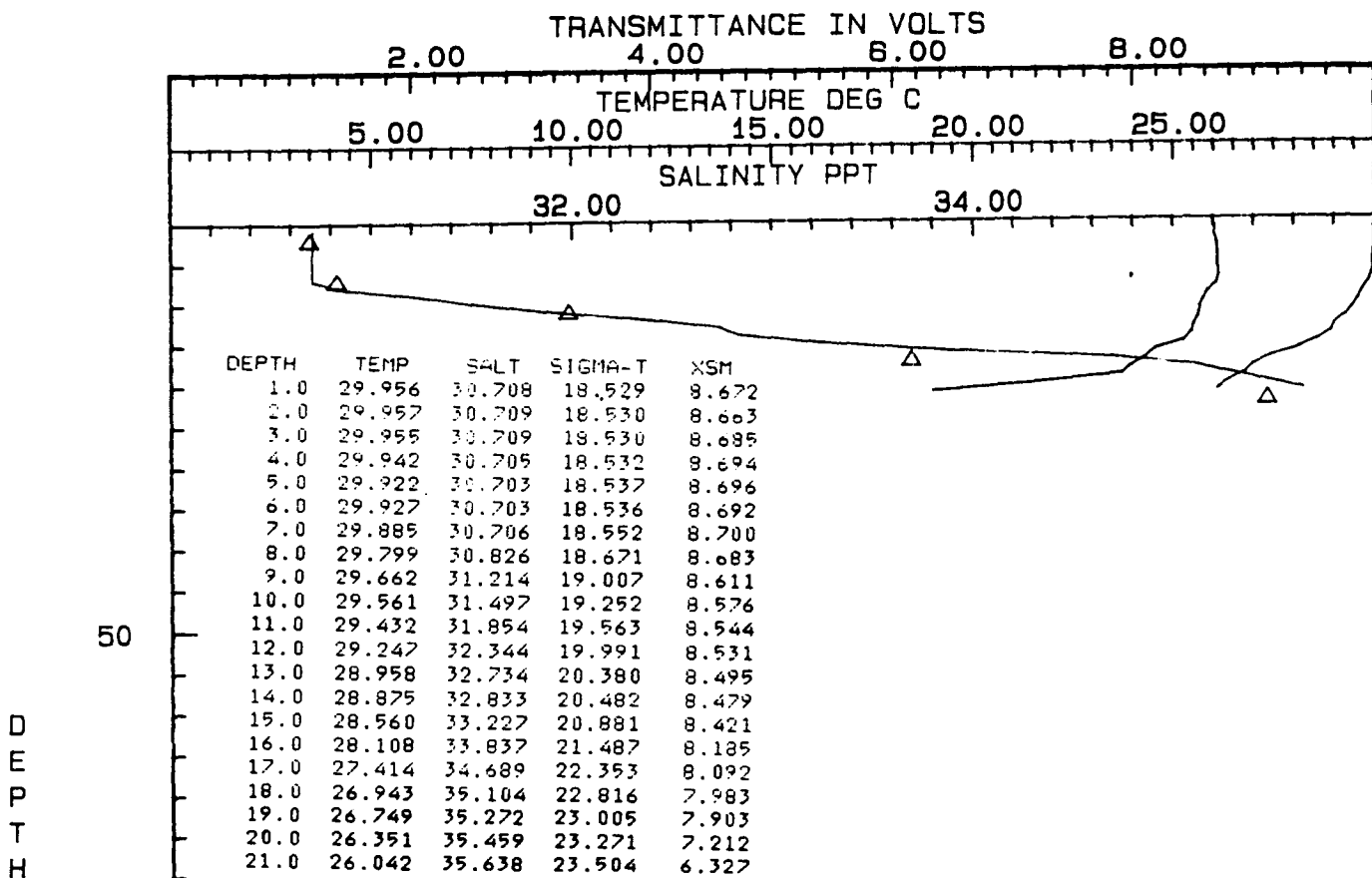
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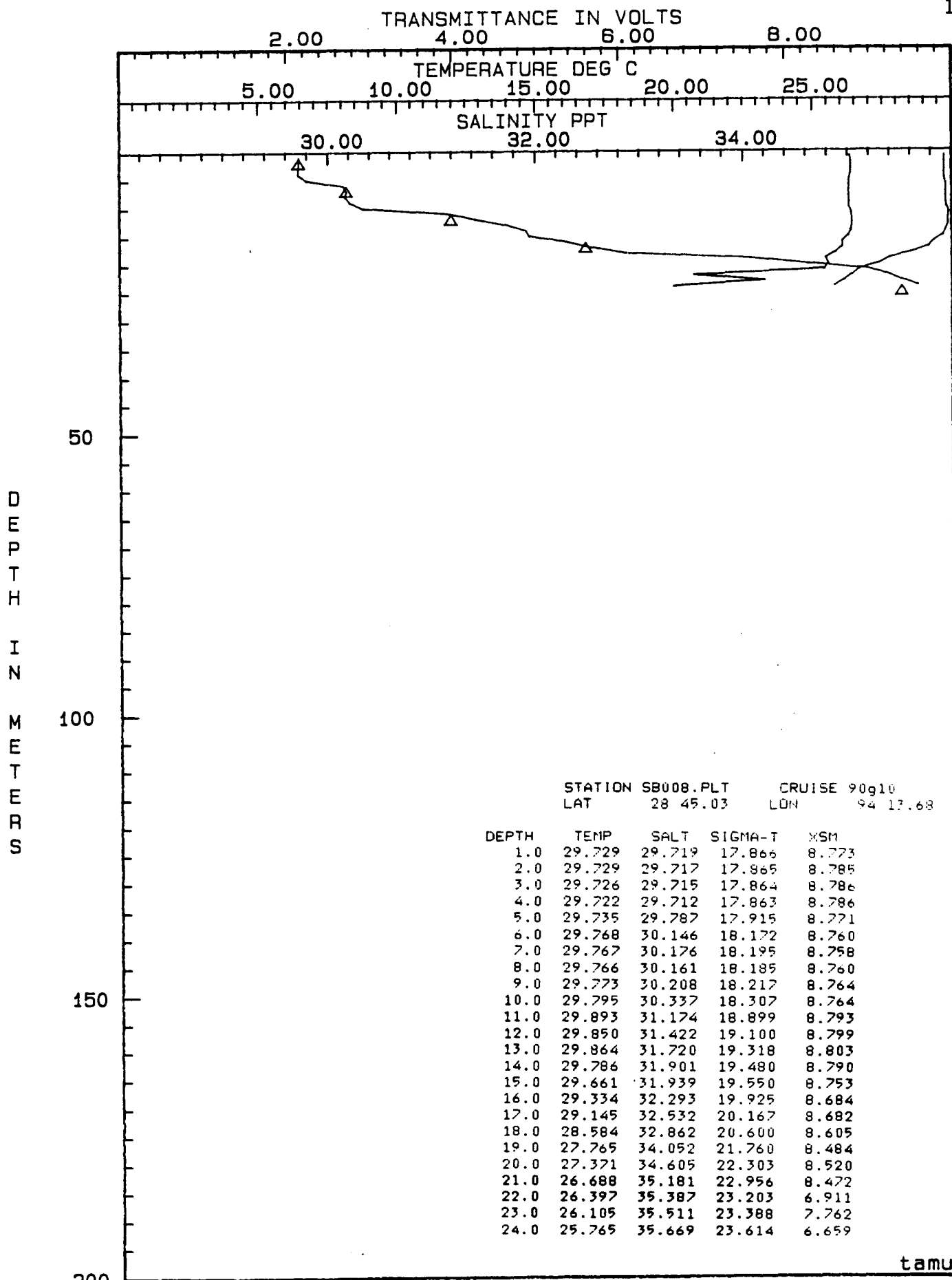
CRUISE: 90g10 STATION: SB005.PL DATE: Jul 11 21:34:26 1990
 LATITUDE: 28 59.15 LONGITUDE: 94 25.73
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB006.PL DATE: Jul 11 22:30:29 1980
 LATITUDE: 28 54.22 LONGITUDE: 94 22.04
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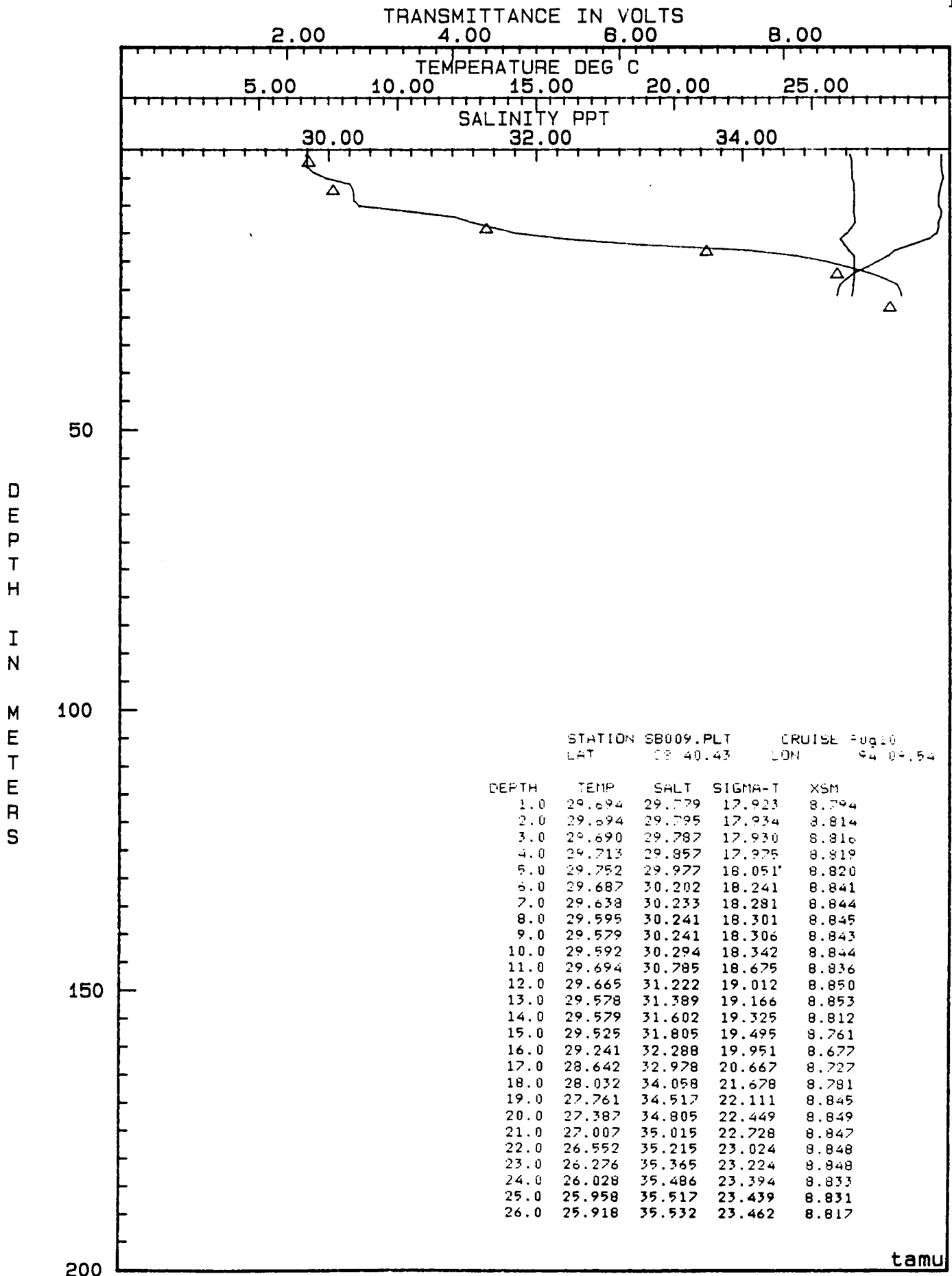


CRUISE: 90g10 STATION: SB007.PL DATE: Jul 12 04:39:48 1980
 LATITUDE: 28 49.92 LONGITUDE: 94 17.91



CRUISE: 90g10 STATION: SB008.PL DATE: Jul 12 06: 00: 50 1990
 LATITUDE: 28 45.03 LONGITUDE: 94 13.88
 TRIANGLES DENOTE DISCRETE SAMPLES

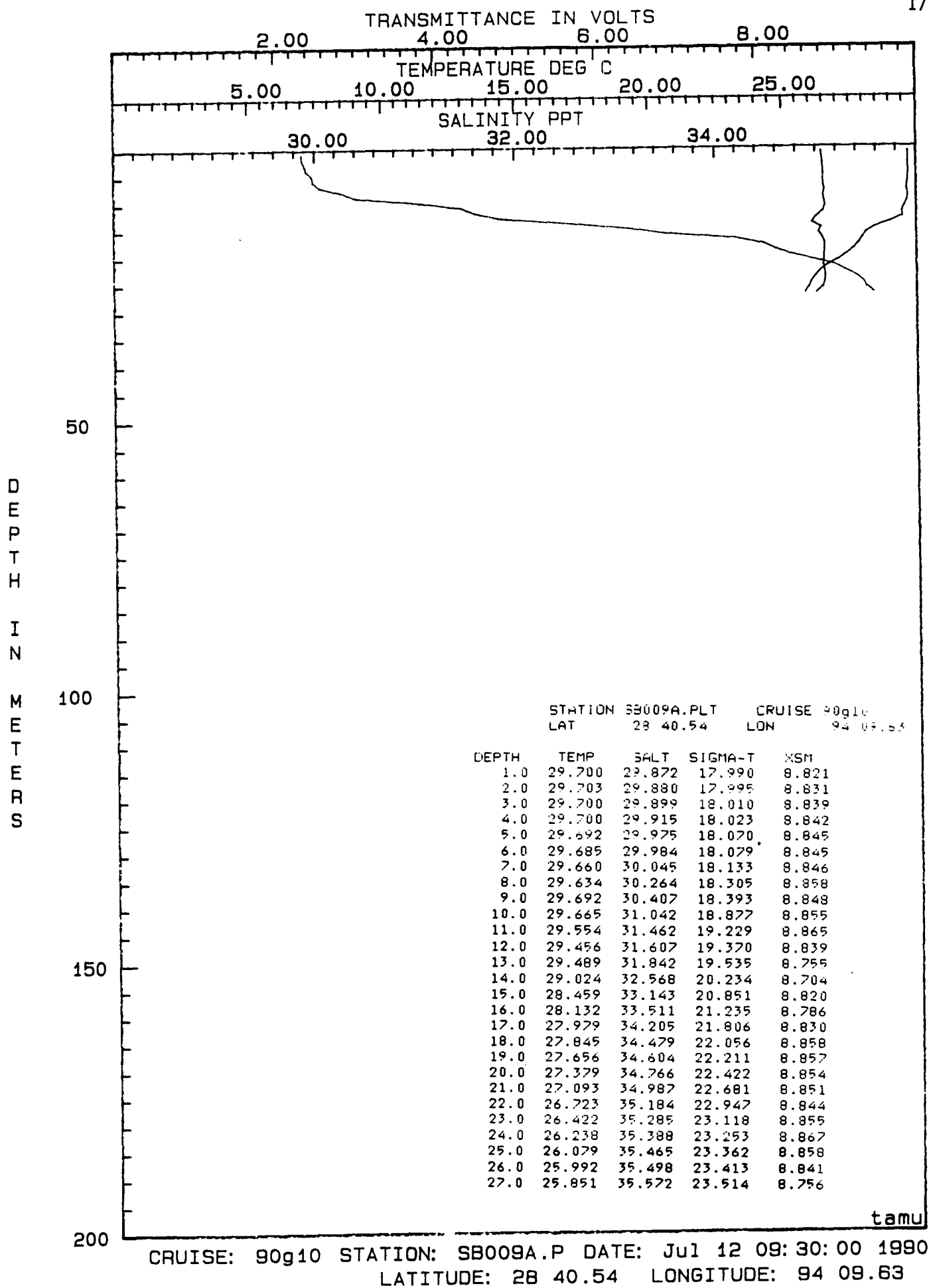
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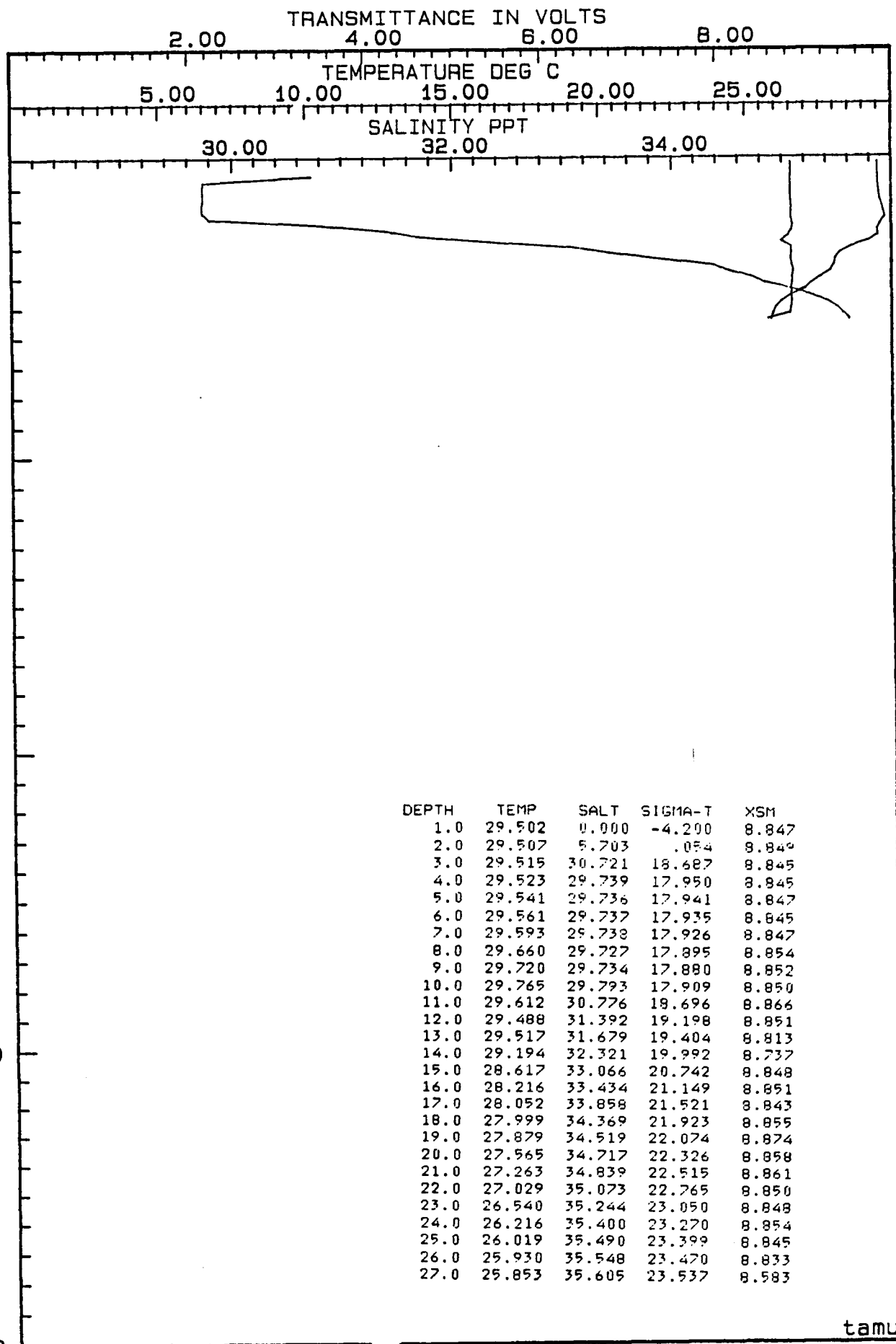


STATION SB009.PLT CRUISE 90g10
 LAT 28 40.43 LON 94 09.54

DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.694	29.779	17.923	8.794
2.0	29.694	29.795	17.934	8.814
3.0	29.690	29.787	17.930	8.816
4.0	29.713	29.857	17.975	8.819
5.0	29.752	29.977	18.051	8.820
6.0	29.687	30.202	18.241	8.841
7.0	29.638	30.233	18.281	8.844
8.0	29.595	30.241	18.301	8.845
9.0	29.579	30.241	18.306	8.843
10.0	29.592	30.294	18.342	8.844
11.0	29.694	30.785	18.675	8.836
12.0	29.665	31.222	19.012	8.850
13.0	29.578	31.389	19.166	8.853
14.0	29.579	31.602	19.325	8.812
15.0	29.525	31.805	19.495	8.761
16.0	29.241	32.288	19.951	8.677
17.0	28.642	32.978	20.667	8.727
18.0	28.032	34.058	21.678	8.781
19.0	27.761	34.517	22.111	8.845
20.0	27.387	34.805	22.449	8.849
21.0	27.007	35.015	22.728	8.847
22.0	26.552	35.215	23.024	8.848
23.0	26.276	35.365	23.224	8.848
24.0	26.028	35.486	23.394	8.833
25.0	25.958	35.517	23.439	8.831
26.0	25.918	35.532	23.462	8.817

CRUISE: 90g10 STATION: SB009.PL DATE: Jul 12 07: 08: 45 1990
 LATITUDE: 28 40.43 LONGITUDE: 94 09.54



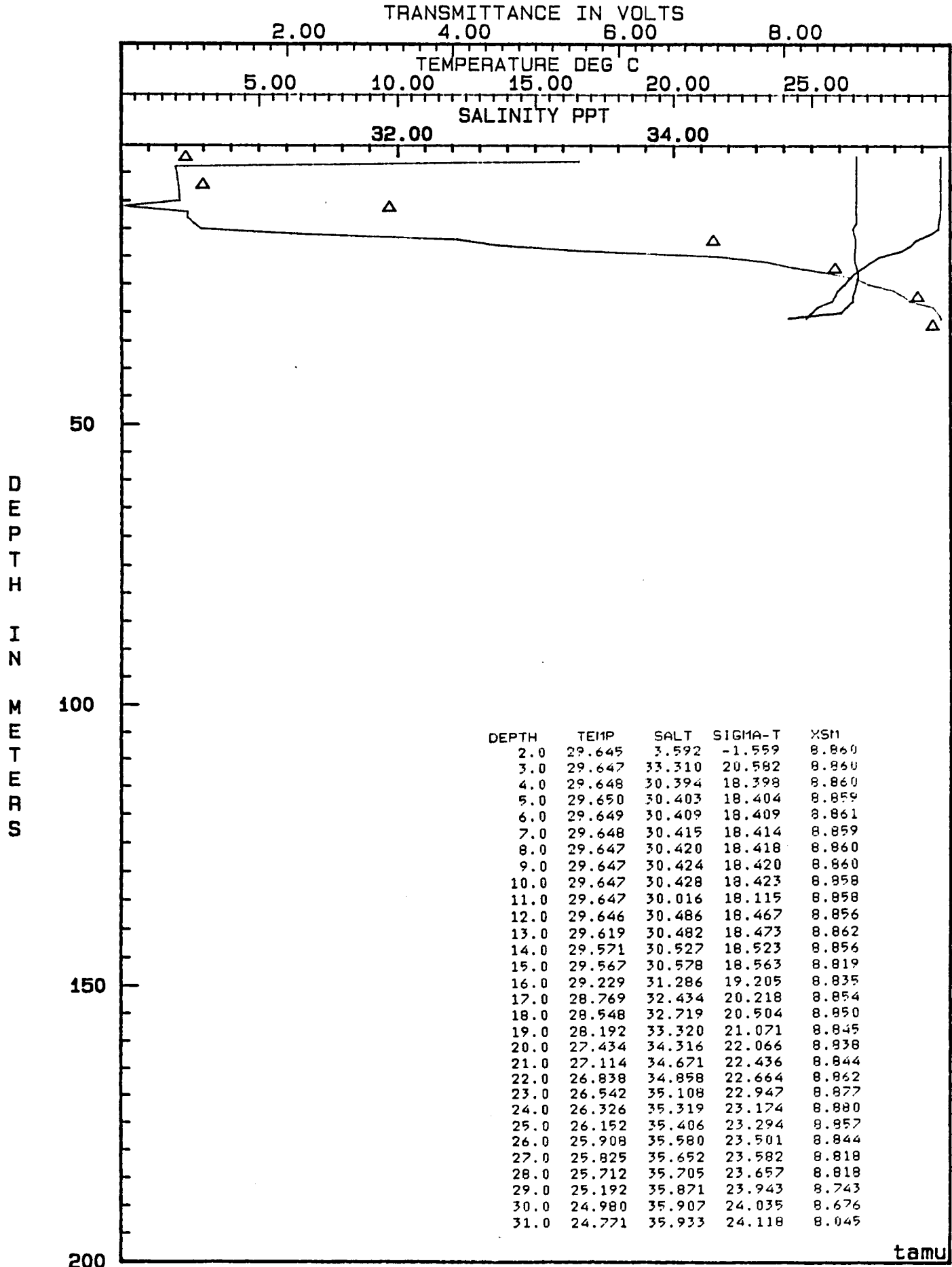


DEPTH IN METERS

DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.502	30.000	17.920	8.847
2.0	29.507	30.703	17.954	8.849
3.0	29.515	30.721	17.987	8.845
4.0	29.523	29.739	17.950	8.845
5.0	29.541	29.736	17.941	8.847
6.0	29.561	29.737	17.935	8.845
7.0	29.593	29.738	17.926	8.847
8.0	29.660	29.727	17.895	8.854
9.0	29.720	29.734	17.880	8.852
10.0	29.765	29.793	17.909	8.850
11.0	29.612	30.776	18.696	8.866
12.0	29.488	31.392	19.198	8.851
13.0	29.517	31.679	19.404	8.813
14.0	29.194	32.321	19.992	8.737
15.0	28.617	33.066	20.742	8.848
16.0	28.216	33.434	21.149	8.851
17.0	28.052	33.858	21.521	8.843
18.0	27.999	34.369	21.923	8.855
19.0	27.879	34.519	22.074	8.874
20.0	27.565	34.717	22.326	8.858
21.0	27.263	34.839	22.515	8.861
22.0	27.029	35.073	22.765	8.850
23.0	26.540	35.244	23.050	8.848
24.0	26.216	35.400	23.270	8.854
25.0	26.019	35.490	23.399	8.845
26.0	25.930	35.548	23.470	8.833
27.0	25.853	35.605	23.537	8.583

tamU

CRUISE: 90g10 STATION: SB009B.P DATE: Jul 12 11:10:52 1990
 LATITUDE: 28 40.54 LONGITUDE: 94 09.53
 TRIANGLES DENOTE DISCRETE SAMPLES



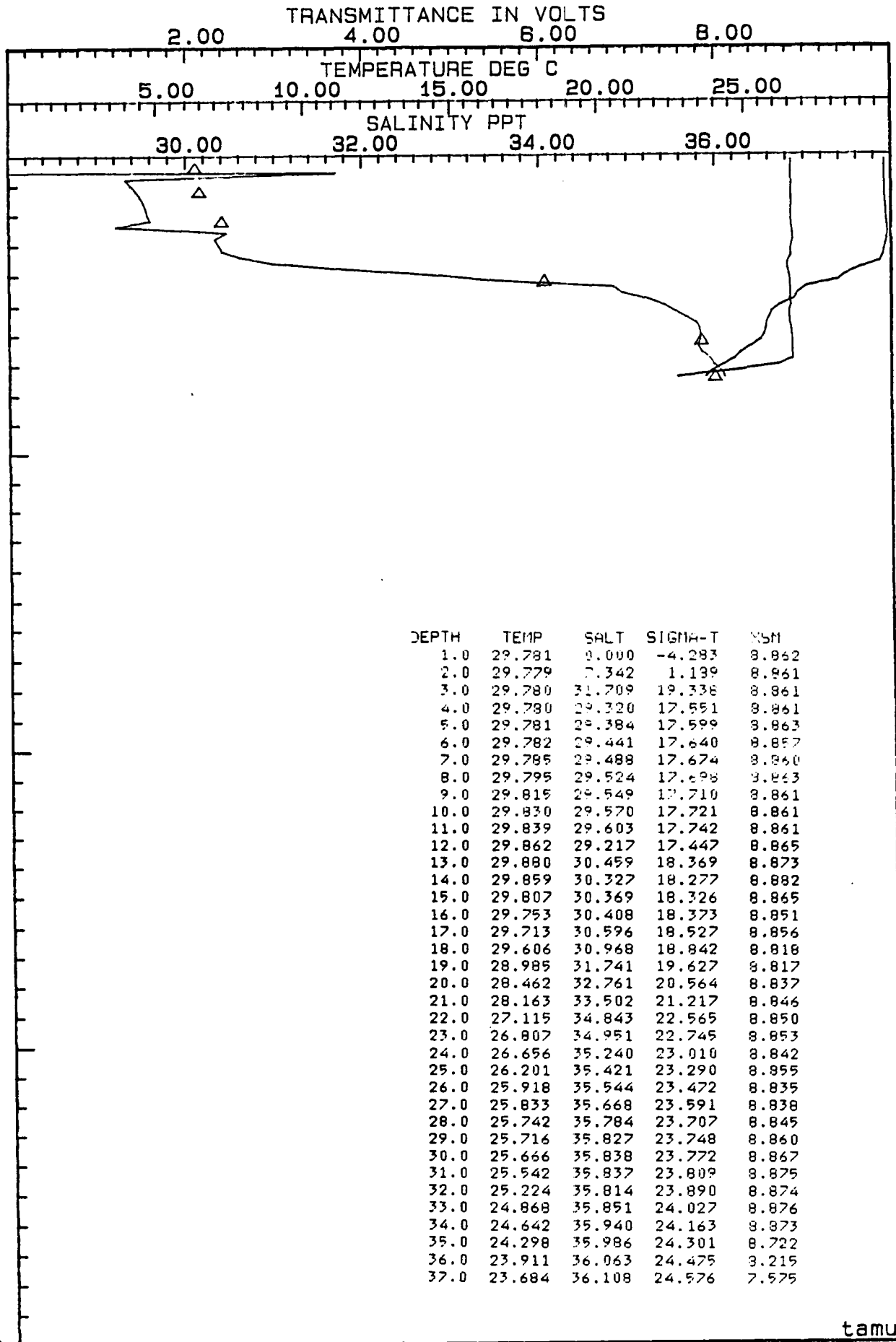
CRUISE: 90g10 STATION: SB010.PL DATE: Jul 12 12:09:28 1990

LATITUDE: 28 35.31 LONGITUDE: 94 05.28

TRIANGLES DENOTE DISCRETE SAMPLES

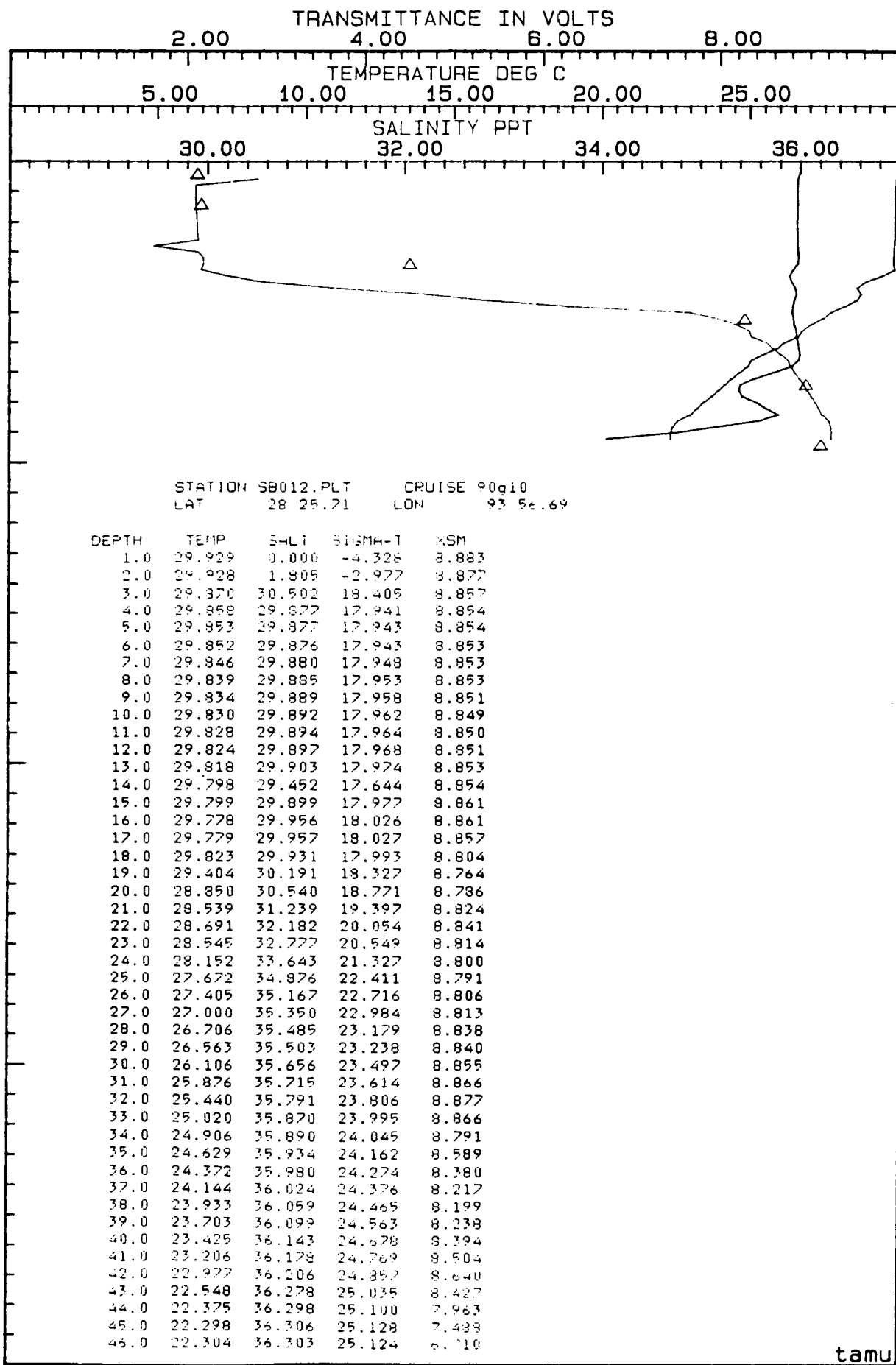
tamu

DEPTH IN METERS



tamu

CRUISE: 90g10 STATION: SB011.PL DATE: Jul 12 13:37:07 1990
 LATITUDE: 28 30.64 LONGITUDE: 94 01.21
 TRIANGLES DENOTE DISCRETE SAMPLES



STATION SB012.PLT CRUISE 90g10
 LAT 28 25.71 LON 93 56.69

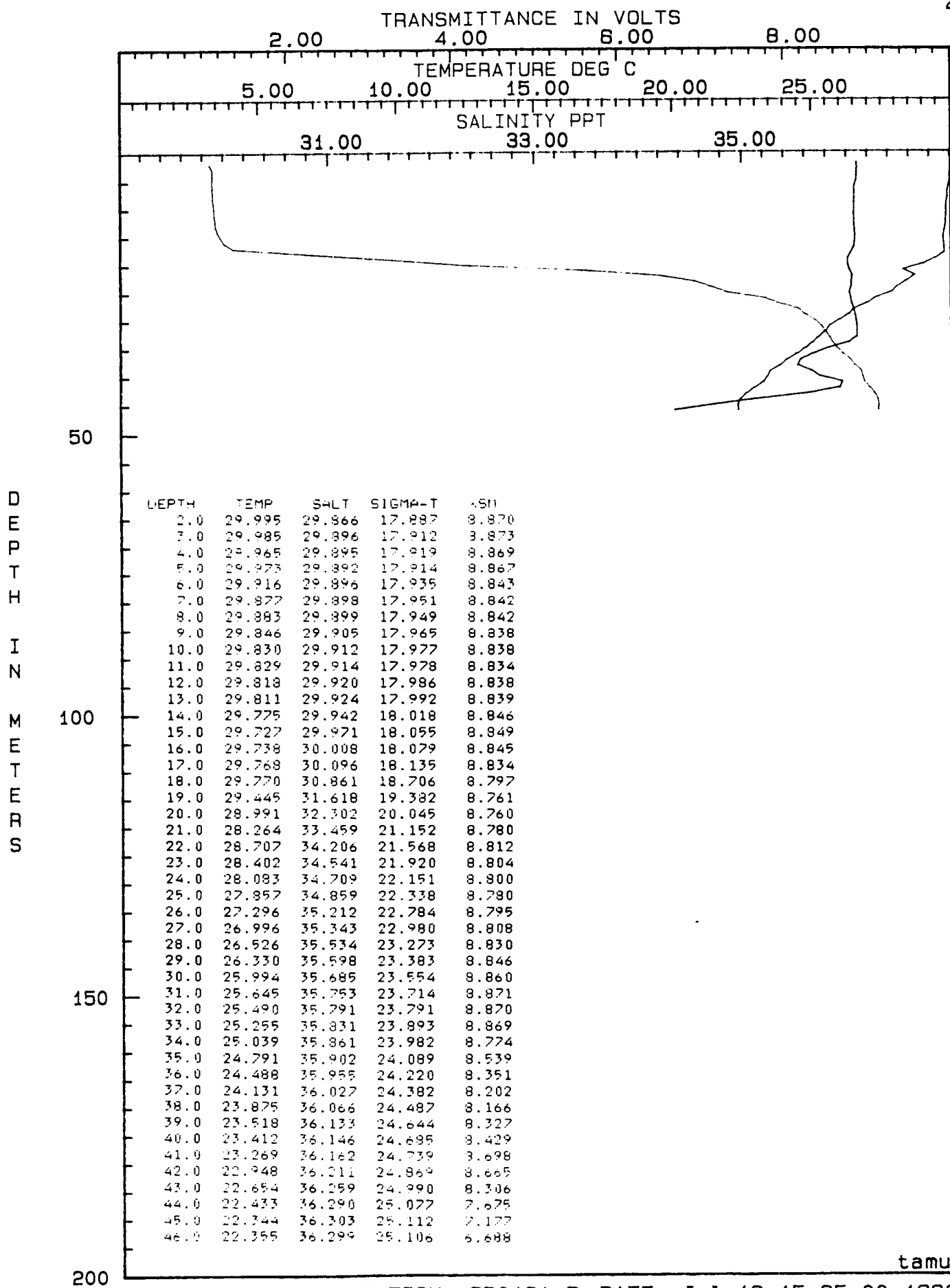
DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.929	30.000	-4.328	8.883
2.0	29.928	30.005	-4.327	8.877
3.0	29.930	30.502	-4.405	8.857
4.0	29.958	29.877	-4.941	8.854
5.0	29.853	29.877	-4.943	8.854
6.0	29.852	29.876	-4.943	8.853
7.0	29.846	29.880	-4.948	8.853
8.0	29.839	29.885	-4.953	8.853
9.0	29.834	29.889	-4.958	8.851
10.0	29.830	29.892	-4.962	8.849
11.0	29.828	29.894	-4.964	8.850
12.0	29.824	29.897	-4.968	8.851
13.0	29.818	29.903	-4.974	8.853
14.0	29.798	29.452	-5.644	8.854
15.0	29.799	29.899	-4.977	8.861
16.0	29.778	29.956	-5.026	8.861
17.0	29.779	29.957	-5.027	8.857
18.0	29.823	29.931	-4.993	8.804
19.0	29.404	30.191	-5.327	8.764
20.0	28.850	30.540	-5.771	8.786
21.0	28.539	31.239	-5.397	8.824
22.0	28.691	32.182	-5.054	8.841
23.0	28.545	32.777	-5.549	8.814
24.0	28.152	33.643	-5.327	8.800
25.0	27.672	34.876	-5.411	8.791
26.0	27.405	35.167	-5.716	8.806
27.0	27.000	35.350	-5.984	8.813
28.0	26.706	35.485	-6.179	8.838
29.0	26.563	35.503	-6.238	8.840
30.0	26.106	35.656	-6.497	8.855
31.0	25.876	35.715	-6.614	8.866
32.0	25.440	35.791	-6.806	8.877
33.0	25.020	35.870	-6.995	8.866
34.0	24.906	35.890	-7.045	8.791
35.0	24.629	35.934	-7.162	8.589
36.0	24.372	35.980	-7.274	8.380
37.0	24.144	36.024	-7.376	8.217
38.0	23.933	36.059	-7.465	8.199
39.0	23.703	36.099	-7.563	8.238
40.0	23.425	36.143	-7.678	8.394
41.0	23.206	36.178	-7.769	8.504
42.0	22.977	36.206	-7.857	8.640
43.0	22.548	36.278	-8.035	8.427
44.0	22.375	36.298	-8.100	7.963
45.0	22.298	36.306	-8.128	7.489
46.0	22.304	36.303	-8.124	6.710

tamu

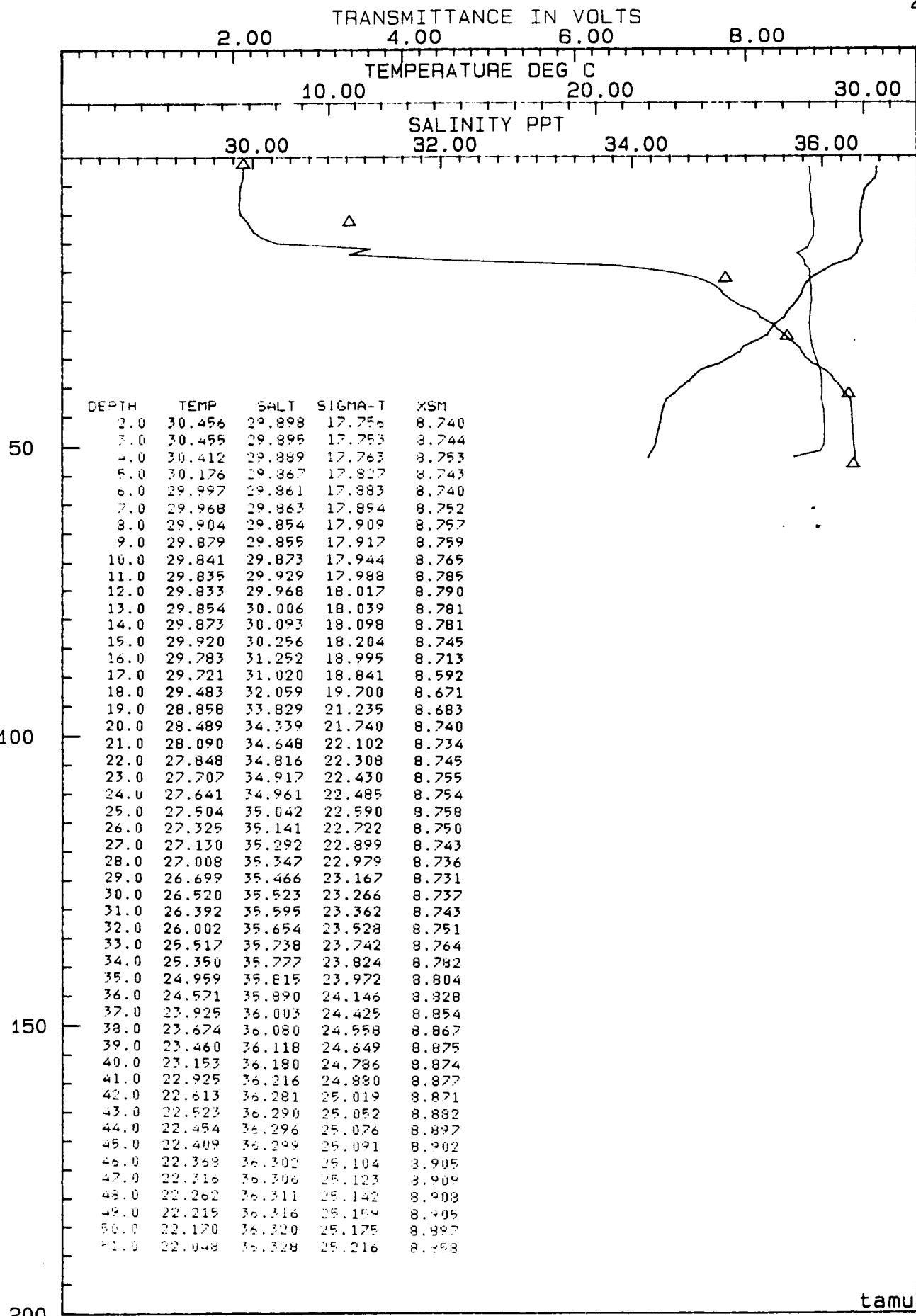
CRUISE: 90g10 STATION: SB012.PL DATE: Jul 12 14: 40: 24 1990

LATITUDE: 28 25.71 LONGITUDE: 93 56.69

TRIANGLES DENOTE DISCRETE SAMPLES

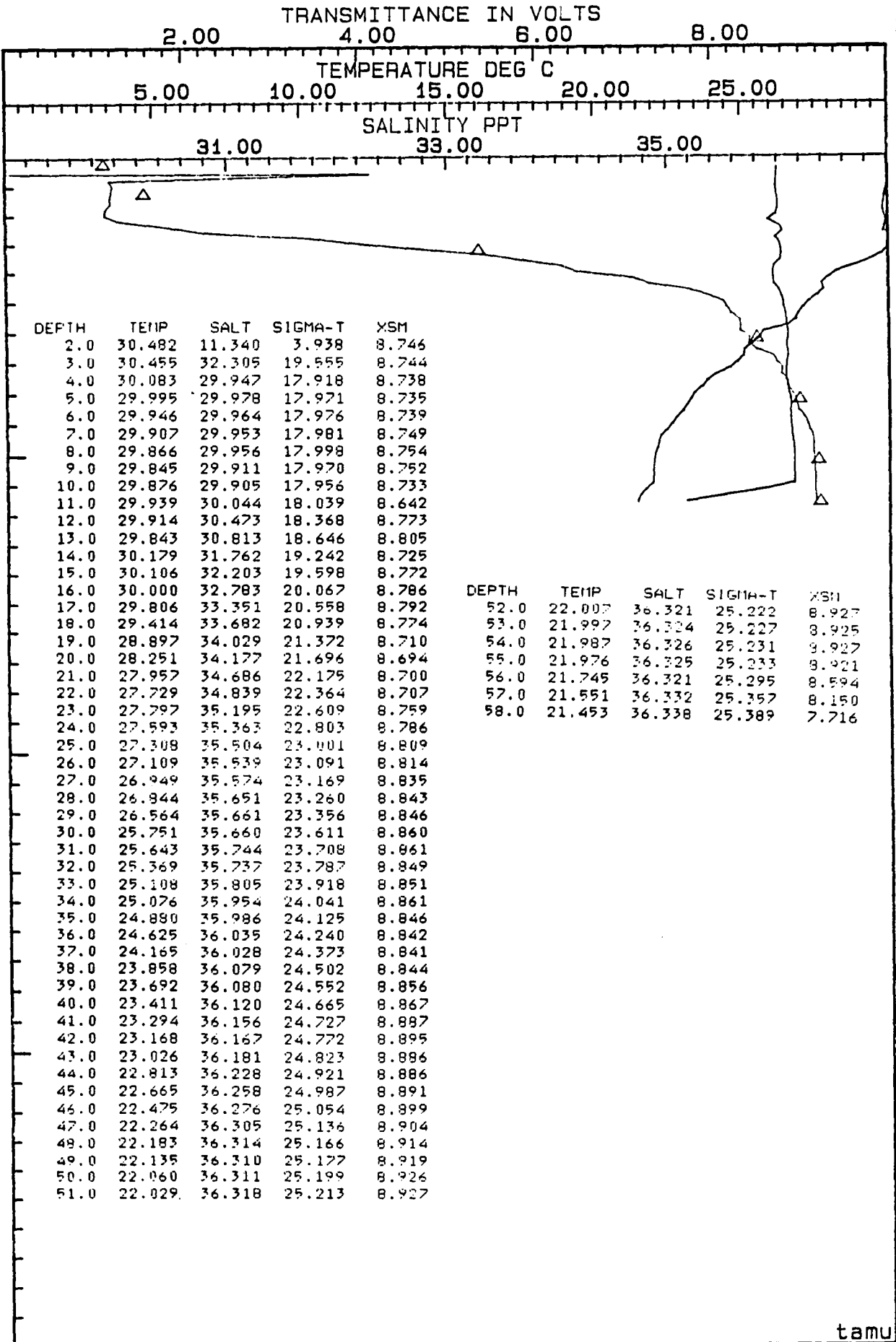


CRUISE: 90g10 STATION: SB012A.P DATE: Jul 12 15: 35: 00 1990
 LATITUDE: 28 26.07 LONGITUDE: 93 56.25



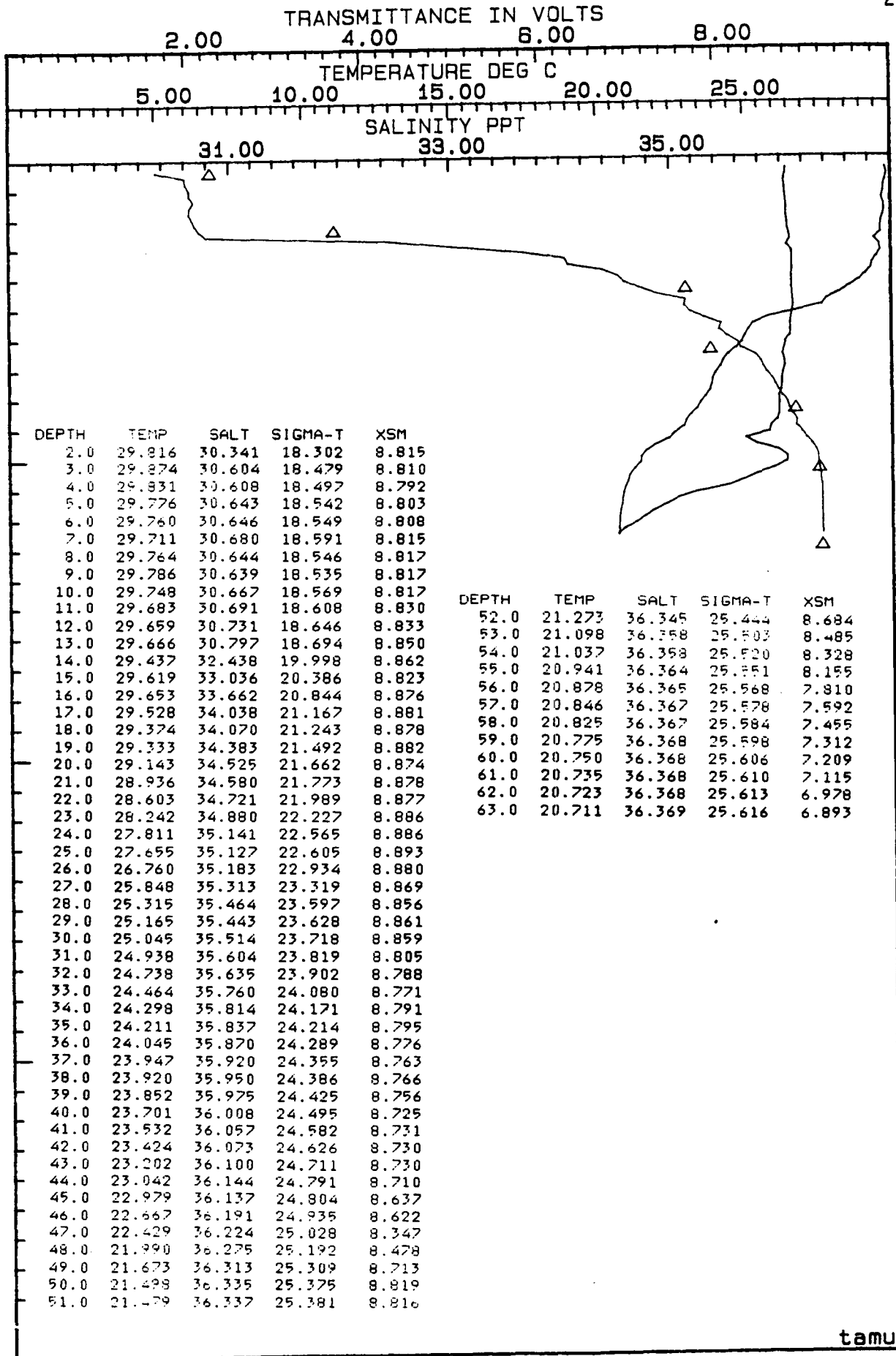
CRUISE: 90g10 STATION: SB013.PL DATE: Jul 13 00:45:39 1990
 LATITUDE: 28 21.5 LONGITUDE: 93 52.15
 TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH IN METERS



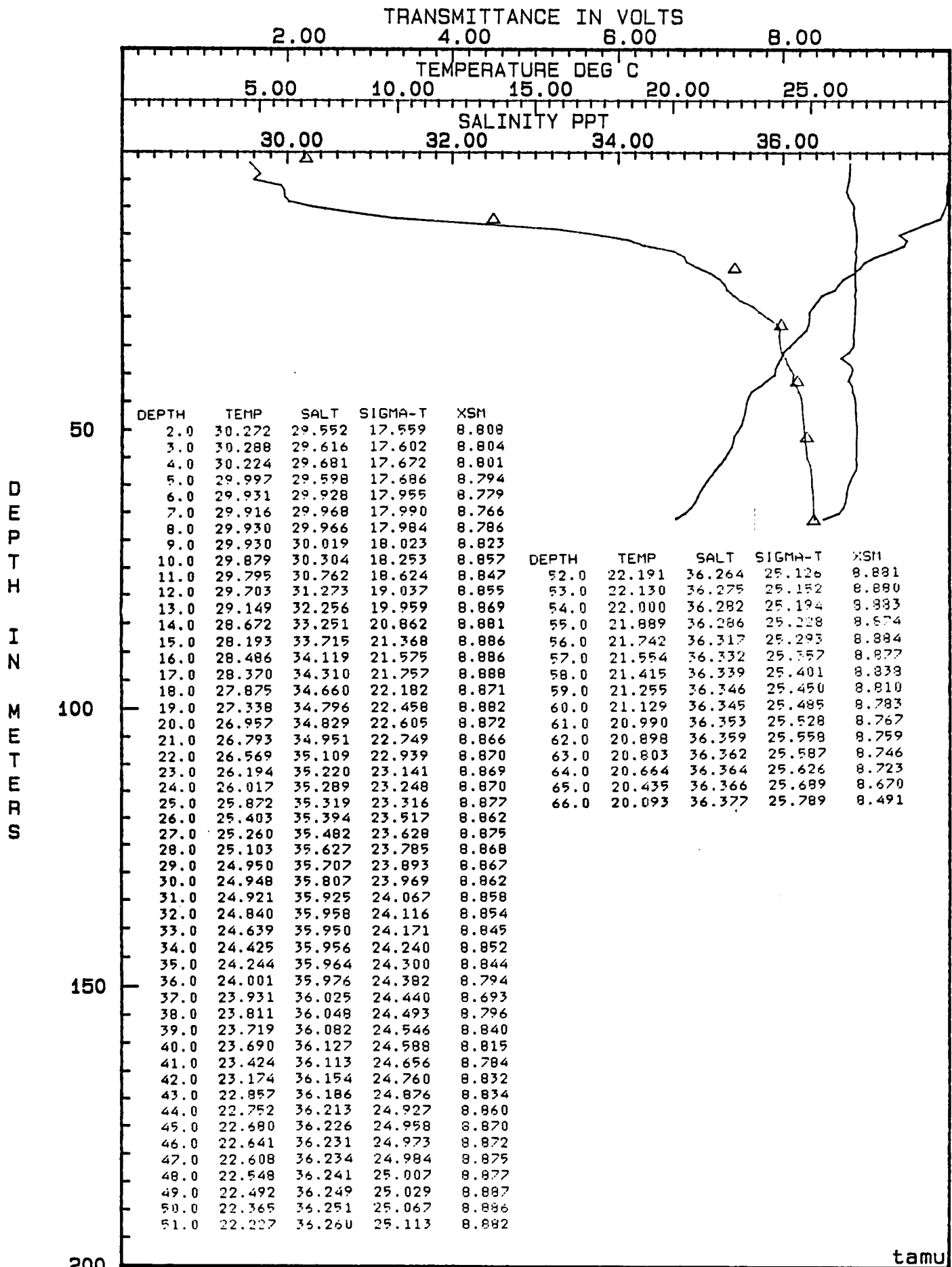
tamu

CRUISE: 90g14 STATION: SB014.PL DATE: Jul 13 01:47:25 1990
 LATITUDE: 28 16.47 LONGITUDE: 93 48.07
 TRIANGLES DENOTE DISCRETE SAMPLES



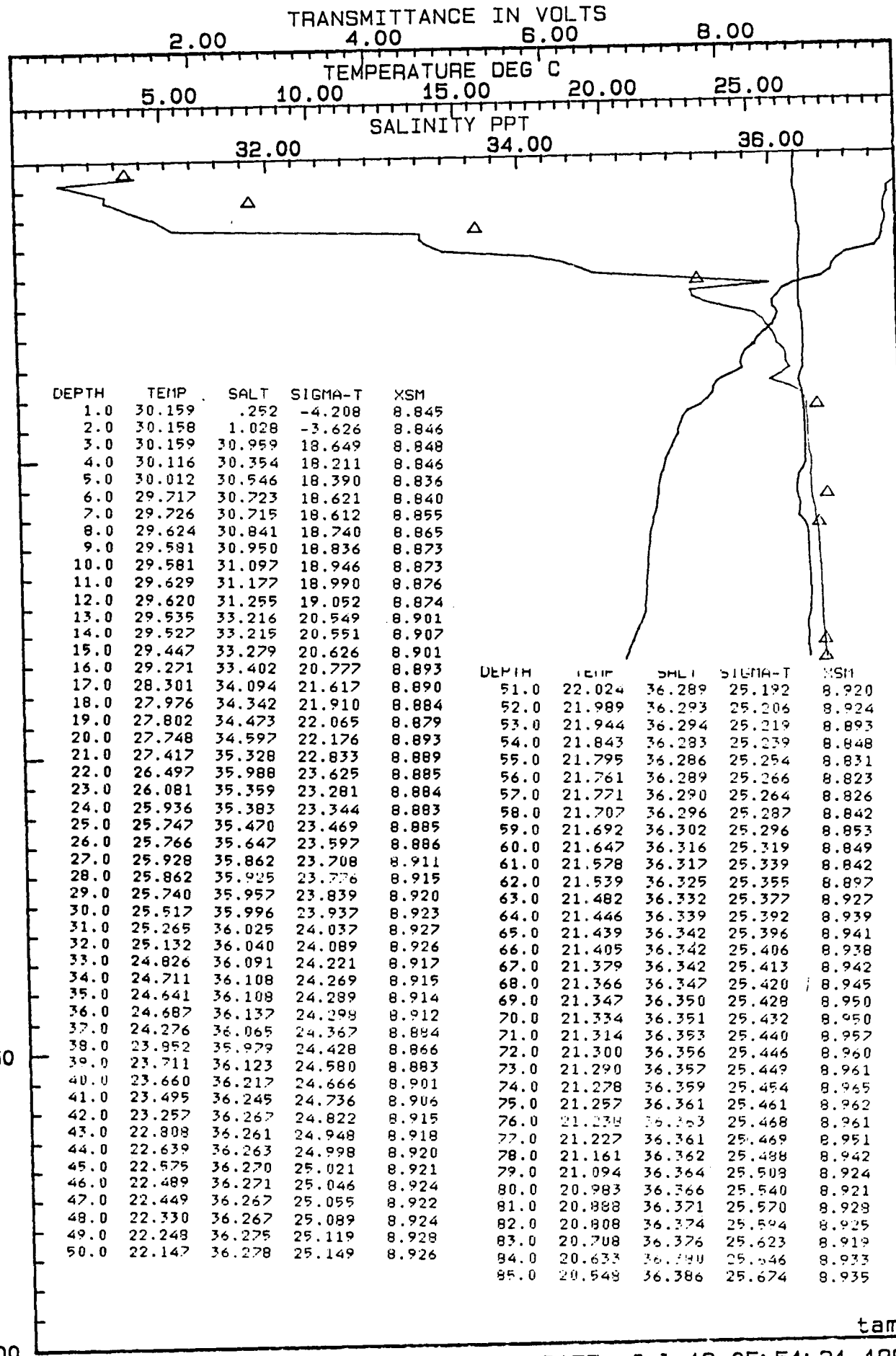
CRUISE: 90g10 STATION: SB015.PL DATE: Jul 13 03:54:38 1990
 LATITUDE: 28 11.67 LONGITUDE: 93 43.90
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu



CRUISE: 90g1 STATION: SB016.PL DATE: Jul 13 04:54:56 1990
 LATITUDE: 28 6.84 LONGITUDE: 93 39.40
 TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH IN METERS

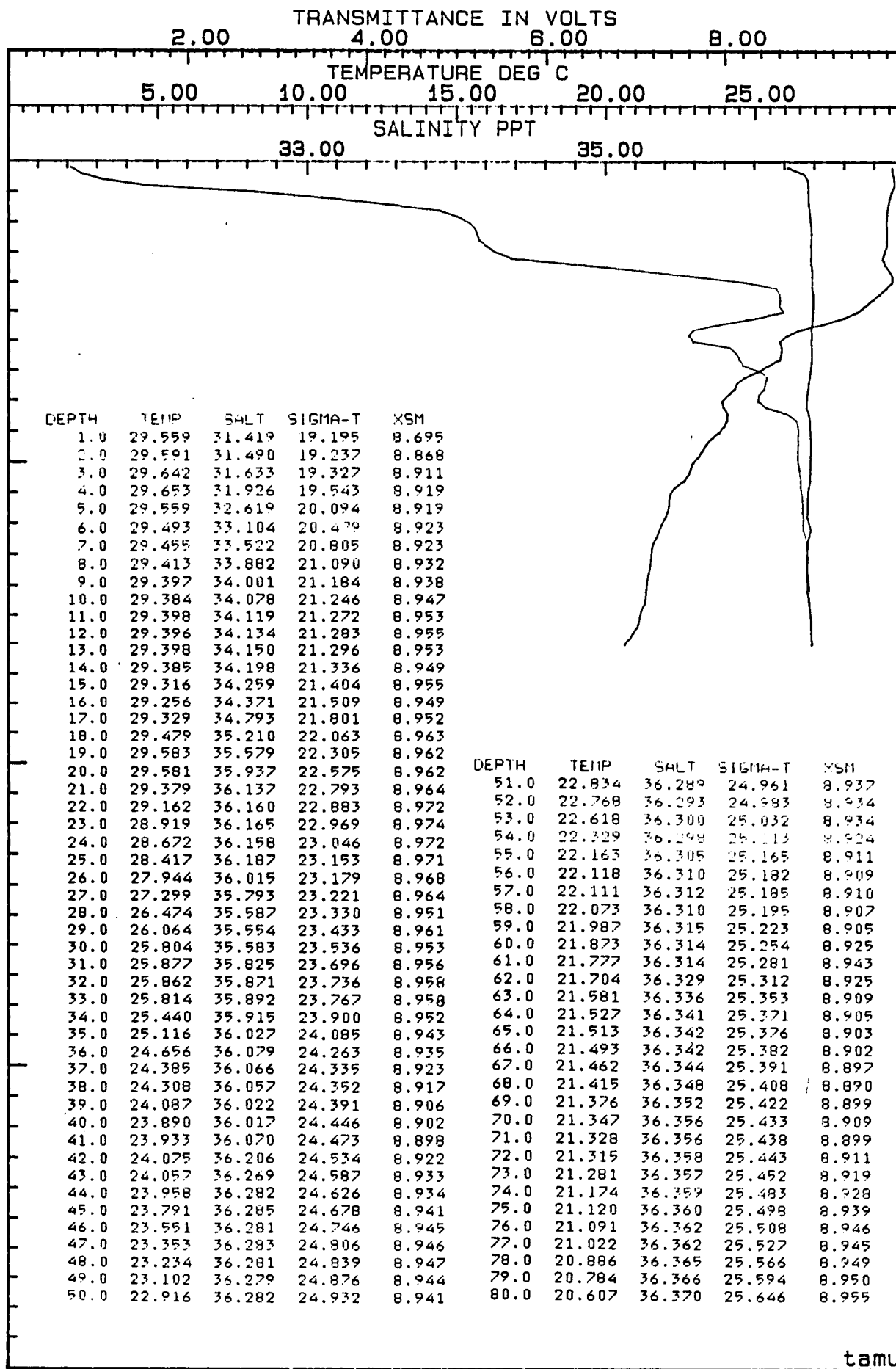


DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	30.159	.252	-4.208	8.845
2.0	30.158	1.028	-3.626	8.846
3.0	30.159	30.959	18.649	8.848
4.0	30.116	30.354	18.211	8.846
5.0	30.012	30.546	18.390	8.836
6.0	29.717	30.723	18.621	8.840
7.0	29.726	30.715	18.612	8.855
8.0	29.624	30.841	18.740	8.865
9.0	29.581	30.950	18.836	8.873
10.0	29.581	31.097	18.946	8.873
11.0	29.629	31.177	18.990	8.876
12.0	29.620	31.255	19.052	8.874
13.0	29.535	33.216	20.549	8.901
14.0	29.527	33.215	20.551	8.907
15.0	29.447	33.279	20.626	8.901
16.0	29.271	33.402	20.777	8.893
17.0	28.301	34.094	21.617	8.890
18.0	27.976	34.342	21.910	8.884
19.0	27.802	34.473	22.065	8.879
20.0	27.748	34.597	22.176	8.893
21.0	27.417	35.328	22.833	8.889
22.0	26.497	35.988	23.625	8.885
23.0	26.081	35.359	23.281	8.884
24.0	25.936	35.383	23.344	8.883
25.0	25.747	35.470	23.469	8.885
26.0	25.766	35.647	23.597	8.886
27.0	25.928	35.862	23.708	8.911
28.0	25.862	35.925	23.776	8.915
29.0	25.740	35.957	23.839	8.920
30.0	25.517	35.996	23.937	8.923
31.0	25.265	36.025	24.037	8.927
32.0	25.132	36.040	24.089	8.926
33.0	24.826	36.091	24.221	8.917
34.0	24.711	36.108	24.269	8.915
35.0	24.641	36.108	24.289	8.914
36.0	24.687	36.137	24.299	8.912
37.0	24.276	36.065	24.367	8.884
38.0	23.952	35.979	24.428	8.866
39.0	23.711	36.123	24.580	8.883
40.0	23.660	36.217	24.666	8.901
41.0	23.495	36.245	24.736	8.906
42.0	23.257	36.267	24.822	8.915
43.0	22.808	36.261	24.948	8.918
44.0	22.639	36.263	24.998	8.920
45.0	22.575	36.270	25.021	8.921
46.0	22.489	36.271	25.046	8.924
47.0	22.449	36.267	25.055	8.922
48.0	22.330	36.267	25.089	8.924
49.0	22.248	36.275	25.119	8.928
50.0	22.147	36.278	25.149	8.926

DEPTH	TEMP	SALT	SIGMA-T	XSM
51.0	22.024	36.289	25.192	8.920
52.0	21.989	36.293	25.206	8.924
53.0	21.944	36.294	25.219	8.893
54.0	21.843	36.283	25.239	8.848
55.0	21.795	36.286	25.254	8.831
56.0	21.761	36.289	25.266	8.823
57.0	21.771	36.290	25.264	8.826
58.0	21.707	36.296	25.287	8.842
59.0	21.692	36.302	25.296	8.853
60.0	21.647	36.316	25.319	8.849
61.0	21.578	36.317	25.339	8.842
62.0	21.539	36.325	25.355	8.897
63.0	21.482	36.332	25.377	8.927
64.0	21.446	36.339	25.392	8.939
65.0	21.439	36.342	25.396	8.941
66.0	21.405	36.342	25.406	8.938
67.0	21.379	36.342	25.413	8.942
68.0	21.366	36.347	25.420	8.945
69.0	21.347	36.350	25.428	8.950
70.0	21.334	36.351	25.432	8.950
71.0	21.314	36.353	25.440	8.957
72.0	21.300	36.356	25.446	8.960
73.0	21.290	36.357	25.449	8.961
74.0	21.278	36.359	25.454	8.965
75.0	21.257	36.361	25.461	8.962
76.0	21.238	36.363	25.468	8.961
77.0	21.227	36.361	25.469	8.951
78.0	21.161	36.362	25.488	8.942
79.0	21.094	36.364	25.509	8.924
80.0	20.983	36.366	25.540	8.921
81.0	20.888	36.371	25.570	8.928
82.0	20.808	36.374	25.594	8.925
83.0	20.708	36.376	25.623	8.919
84.0	20.633	36.380	25.646	8.933
85.0	20.548	36.386	25.674	8.935

tamu

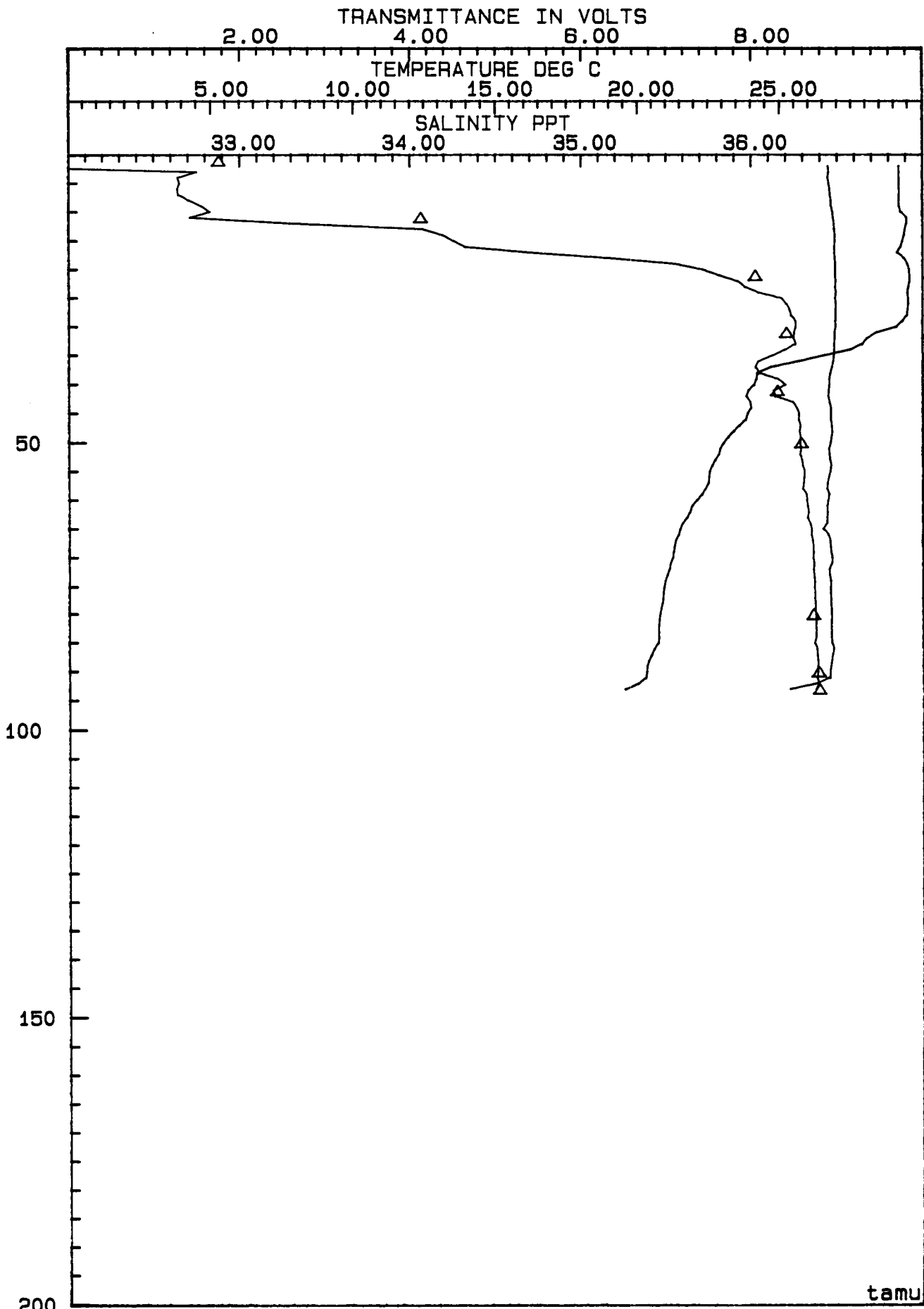
CRUISE: 90g10 STATION: SB017.PL DATE: Jul 13 05:51:21 1990
 LATITUDE: 28 02.95 LONGITUDE: 93 36.42
 TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH
IN
METERS

CRUISE: 90g10 STATION: SB017A.P DATE: Jul 13 13:06:00 1990
 LATITUDE: 27 43.39 LONGITUDE: 93 26.88

STATION 55018.FLT CRUISE 90q10 DATE & TIME Fri Jul 13 15:46:59 1990, Julian day = 194
 LAT 27 59.70 LON 129 33.10 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	29.168	31.517	19.398	8.898	52.0	22.866	36.282	24.947	8.907					
3.0	29.175	32.752	20.321	8.905	53.0	22.738	36.294	24.993	8.915					
4.0	29.173	32.639	20.238	8.893	54.0	22.628	36.297	25.026	8.928					
5.0	29.174	32.650	20.246	8.904	55.0	22.537	36.306	25.060	8.917					
6.0	29.183	32.638	20.233	8.915	56.0	22.511	36.305	25.066	8.900					
7.0	29.184	32.643	20.237	8.919	57.0	22.493	36.302	25.069	8.887					
8.0	29.171	32.707	20.289	8.930	58.0	22.384	36.297	25.096	8.878					
9.0	29.175	32.779	20.342	8.932	59.0	22.270	36.319	25.146	8.905					
10.0	29.228	32.828	20.361	8.949	60.0	22.096	36.321	25.197	8.892					
11.0	29.437	32.711	20.203	8.954	61.0	21.916	36.325	25.250	8.881					
12.0	29.437	33.292	20.639	8.963	62.0	21.842	36.331	25.275	8.884					
13.0	29.384	34.073	21.242	8.969	63.0	21.742	36.325	25.299	8.879					
14.0	29.353	34.192	21.342	8.974	64.0	21.577	36.339	25.356	8.879					
15.0	29.301	34.256	21.407	8.972	65.0	21.498	36.348	25.384	8.833					
16.0	29.235	34.324	21.481	8.970	66.0	21.435	36.346	25.401	8.892					
17.0	29.110	34.699	21.804	8.970	67.0	21.333	36.354	25.435	8.913					
18.0	29.351	35.176	22.081	8.972	68.0	21.286	36.357	25.450	8.917					
19.0	29.471	35.552	22.322	8.978	69.0	21.256	36.359	25.460	8.926					
20.0	29.531	35.716	22.425	8.976	70.0	21.224	36.356	25.467	8.938					
21.0	29.543	35.813	22.494	8.975	71.0	21.152	36.363	25.491	8.935					
22.0	29.553	35.922	22.572	8.983	72.0	21.109	36.359	25.501	8.906					
23.0	29.506	35.965	22.621	8.976	73.0	21.032	36.362	25.524	8.908					
24.0	29.467	36.043	22.693	8.986	74.0	20.964	36.366	25.545	8.923					
25.0	29.492	36.173	22.781	8.976	75.0	20.920	36.365	25.556	8.919					
26.0	29.506	36.201	22.798	8.984	76.0	20.893	36.368	25.566	8.920					
27.0	29.481	36.221	22.821	8.980	77.0	20.881	36.366	25.568	8.923					
28.0	29.453	36.229	22.837	8.981	78.0	20.853	36.369	25.578	8.922					
29.0	29.300	36.256	22.909	8.978	79.0	20.809	36.368	25.590	8.926					
30.0	29.071	36.256	22.986	8.980	80.0	20.772	36.371	25.602	8.929					
31.0	28.385	36.247	23.208	8.970	81.0	20.737	36.372	25.612	8.927					
32.0	28.049	36.245	23.318	8.969	82.0	20.725	36.373	25.616	8.927					
33.0	27.877	36.255	23.381	8.966	83.0	20.725	36.373	25.616	8.926					
34.0	27.440	36.193	23.477	8.965	84.0	20.728	36.372	25.614	8.925					
35.0	26.531	36.123	23.715	8.961	85.0	20.705	36.364	25.615	8.932					
36.0	25.662	36.040	23.926	8.951	86.0	20.561	36.377	25.664	8.951					
37.0	24.711	36.022	24.204	8.939	87.0	20.469	36.378	25.689	8.936					
38.0	24.204	36.045	24.374	8.919	88.0	20.375	36.383	25.718	8.928					
39.0	24.181	36.151	24.461	8.908	89.0	20.310	36.382	25.735	8.920					
40.0	24.102	36.199	24.521	8.909	90.0	20.294	36.383	25.740	8.910					
41.0	23.899	36.130	24.529	8.899	91.0	20.261	36.377	25.744	8.908					
42.0	23.824	36.138	24.557	8.895	92.0	19.979	36.387	25.827	8.752					
43.0	23.967	36.240	24.592	8.910	93.0	19.533	36.371	25.933	8.447					
44.0	23.997	36.264	24.602	8.925										
45.0	23.869	36.276	24.648	8.924										
46.0	23.803	36.274	24.667	8.926										
47.0	23.597	36.284	24.735	8.933										
48.0	23.388	36.279	24.792	8.939										
49.0	23.197	36.285	24.854	8.932										
50.0	23.034	36.282	24.898	8.922										
51.0	22.911	36.287	24.937	8.905										



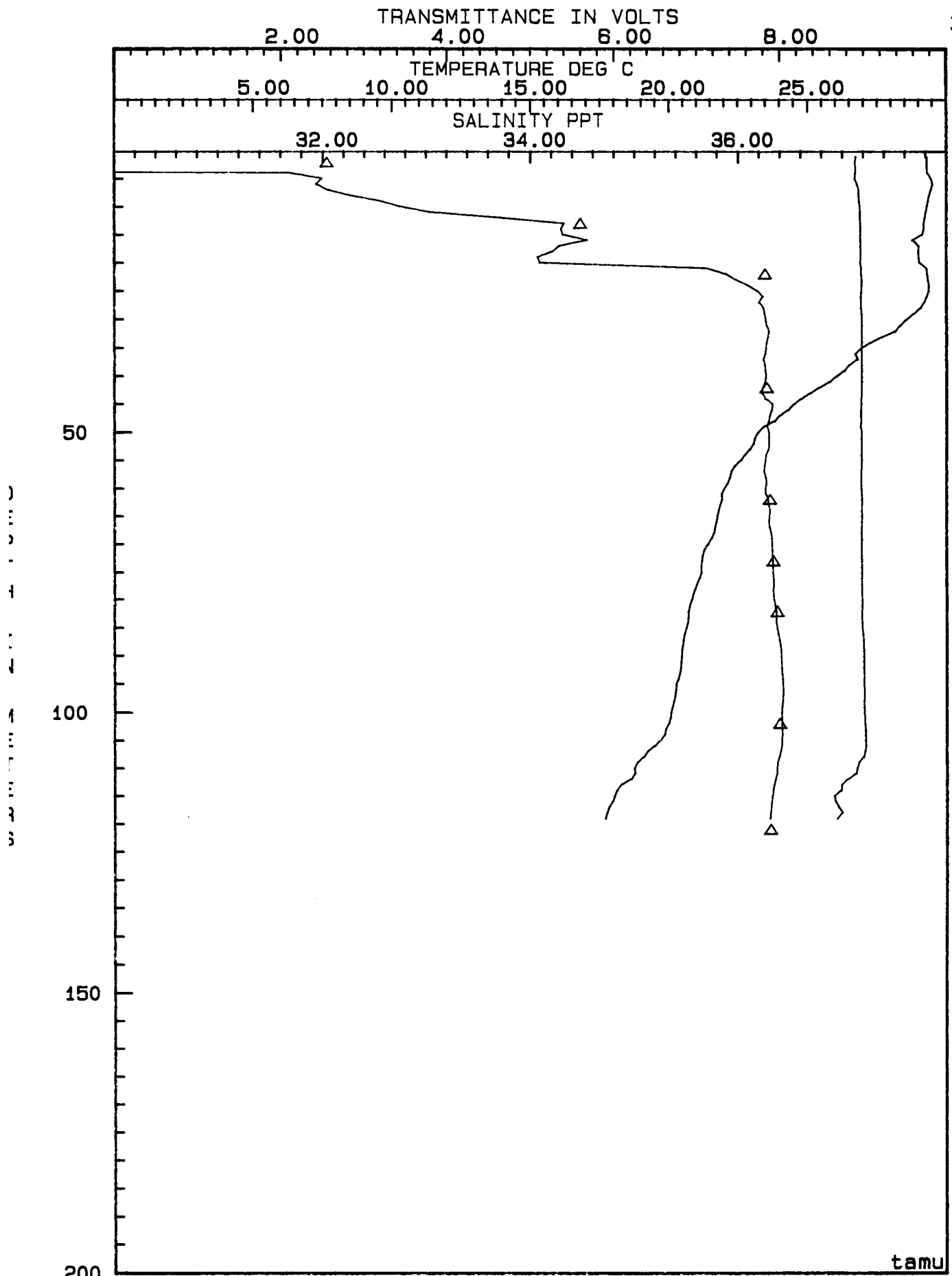
CRUISE: 90g10 STATION: SB018.PL DATE: Jul 13 15: 48: 59 1990

LATITUDE: 27 59.70 LONGITUDE: 29 33.10

TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB019.FLT CRUISE 90g10 DATE & TIME Fri Jul 13 17:06:45 1990 Julian day = 194
 LHT 27 54.48 LON 93 28.61 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.268	0.000	-4.130	8.908	51.0	23.099	36.294	24.895	8.972	101.0	20.026	36.414	25.935	9.007
2.0	29.274	0.341	-3.876	8.898	52.0	23.049	36.295	24.904	8.972	102.0	19.973	36.413	25.849	9.010
3.0	29.278	16.098	7.854	8.903	53.0	22.926	36.289	24.935	8.973	103.0	19.853	36.416	25.882	9.015
4.0	29.296	31.682	19.479	8.901	54.0	22.739	36.265	24.970	8.971	104.0	19.811	36.418	25.896	9.016
5.0	29.427	31.991	19.667	8.892	55.0	22.600	36.261	25.007	8.973	105.0	19.669	36.413	25.929	9.015
6.0	29.484	31.932	19.604	8.922	56.0	22.376	36.251	25.064	8.972	106.0	19.460	36.413	25.984	9.022
7.0	29.421	32.042	19.708	8.939	57.0	22.250	36.244	25.094	8.968	107.0	19.208	36.402	26.040	9.009
8.0	29.358	32.261	19.892	8.940	58.0	22.192	36.264	25.126	8.968	108.0	19.067	36.390	26.068	8.996
9.0	29.316	32.546	20.120	8.944	59.0	22.122	36.271	25.151	8.969	109.0	18.829	36.372	26.116	8.938
10.0	29.282	32.741	20.278	8.951	60.0	21.996	36.260	25.178	8.971	110.0	18.716	36.367	26.140	8.914
11.0	29.239	33.024	20.504	8.955	61.0	21.892	36.263	25.210	8.974	111.0	18.739	36.368	26.135	8.904
12.0	29.192	33.713	21.036	8.952	62.0	21.909	36.284	25.221	8.975	112.0	18.595	36.353	26.160	8.803
13.0	29.162	34.320	21.502	8.958	63.0	21.843	36.288	25.243	8.975	113.0	18.239	36.340	26.240	8.731
14.0	29.163	34.287	21.477	8.958	64.0	21.782	36.304	25.272	8.974	114.0	18.091	36.329	26.269	8.727
15.0	29.107	34.307	21.510	8.959	65.0	21.742	36.297	25.277	8.976	115.0	17.998	36.324	26.288	8.643
16.0	28.748	34.539	21.804	8.961	66.0	21.705	36.293	25.285	8.973	116.0	17.930	36.317	26.300	8.657
17.0	28.988	34.276	21.527	8.961	67.0	21.653	36.298	25.303	8.972	117.0	17.793	36.311	26.329	8.696
18.0	28.967	34.208	21.483	8.964	68.0	21.624	36.314	25.324	8.971	118.0	17.729	36.307	26.342	8.740
19.0	28.982	34.066	21.371	8.964	69.0	21.520	36.321	25.358	8.973	119.0	17.667	36.301	26.352	8.681
20.0	29.013	34.086	21.376	8.956	70.0	21.397	36.323	25.394	8.972					
21.0	29.272	35.696	22.498	8.970	71.0	21.264	36.325	25.432	8.971					
22.0	29.297	35.878	22.626	8.969	72.0	21.201	36.325	25.449	8.972					
23.0	29.316	35.972	22.691	8.973	73.0	21.171	36.329	25.461	8.974					
24.0	29.352	36.089	22.766	8.974	74.0	21.150	36.331	25.468	8.974					
25.0	29.348	36.184	22.838	8.972	75.0	21.154	36.331	25.467	8.974					
26.0	29.276	36.237	22.902	8.964	76.0	21.088	36.338	25.490	8.974					
27.0	29.190	36.200	22.904	8.968	77.0	20.994	36.340	25.517	8.973					
28.0	29.058	36.242	22.980	8.967	78.0	20.924	36.335	25.533	8.976					
29.0	28.825	36.252	23.065	8.973	79.0	20.856	36.335	25.552	8.976					
30.0	28.549	36.264	23.166	8.975	80.0	20.803	36.341	25.571	8.978					
31.0	28.321	36.270	23.247	8.977	81.0	20.733	36.352	25.598	8.979					
32.0	28.137	36.295	23.326	8.976	82.0	20.682	36.361	25.619	8.974					
33.0	27.660	36.284	23.474	8.977	83.0	20.682	36.362	25.620	8.973					
34.0	27.239	36.272	23.601	8.977	84.0	20.658	36.362	25.626	8.977					
35.0	26.918	36.266	23.700	8.974	85.0	20.610	36.372	25.647	8.978					
36.0	26.686	36.259	23.769	8.974	86.0	20.547	36.381	25.670	8.988					
37.0	26.781	36.242	23.726	8.973	87.0	20.501	36.393	25.692	8.993					
38.0	26.477	36.256	23.833	8.975	88.0	20.478	36.402	25.705	8.994					
39.0	26.312	36.261	23.889	8.977	89.0	20.439	36.409	25.720	8.997					
40.0	26.016	36.265	23.985	8.975	90.0	20.434	36.409	25.722	8.998					
41.0	25.771	36.259	24.057	8.975	91.0	20.419	36.411	25.728	8.996					
42.0	25.413	36.235	24.150	8.973	92.0	20.403	36.414	25.735	8.997					
43.0	25.090	36.229	24.245	8.973	93.0	20.371	36.419	25.747	9.000					
44.0	24.766	36.260	24.367	8.971	94.0	20.314	36.423	25.765	8.999					
45.0	24.498	36.329	24.501	8.970	95.0	20.240	36.425	25.787	8.998					
46.0	24.290	36.321	24.557	8.967	96.0	20.224	36.428	25.793	9.002					
47.0	23.995	36.301	24.630	8.965	97.0	20.195	36.425	25.799	9.003					
48.0	23.808	36.294	24.680	8.968	98.0	20.154	36.423	25.808	8.998					
49.0	23.426	36.277	24.780	8.960	99.0	20.105	36.417	25.816	9.000					
50.0	23.218	36.294	24.854	8.973	100.0	20.053	36.411	25.826	9.001					

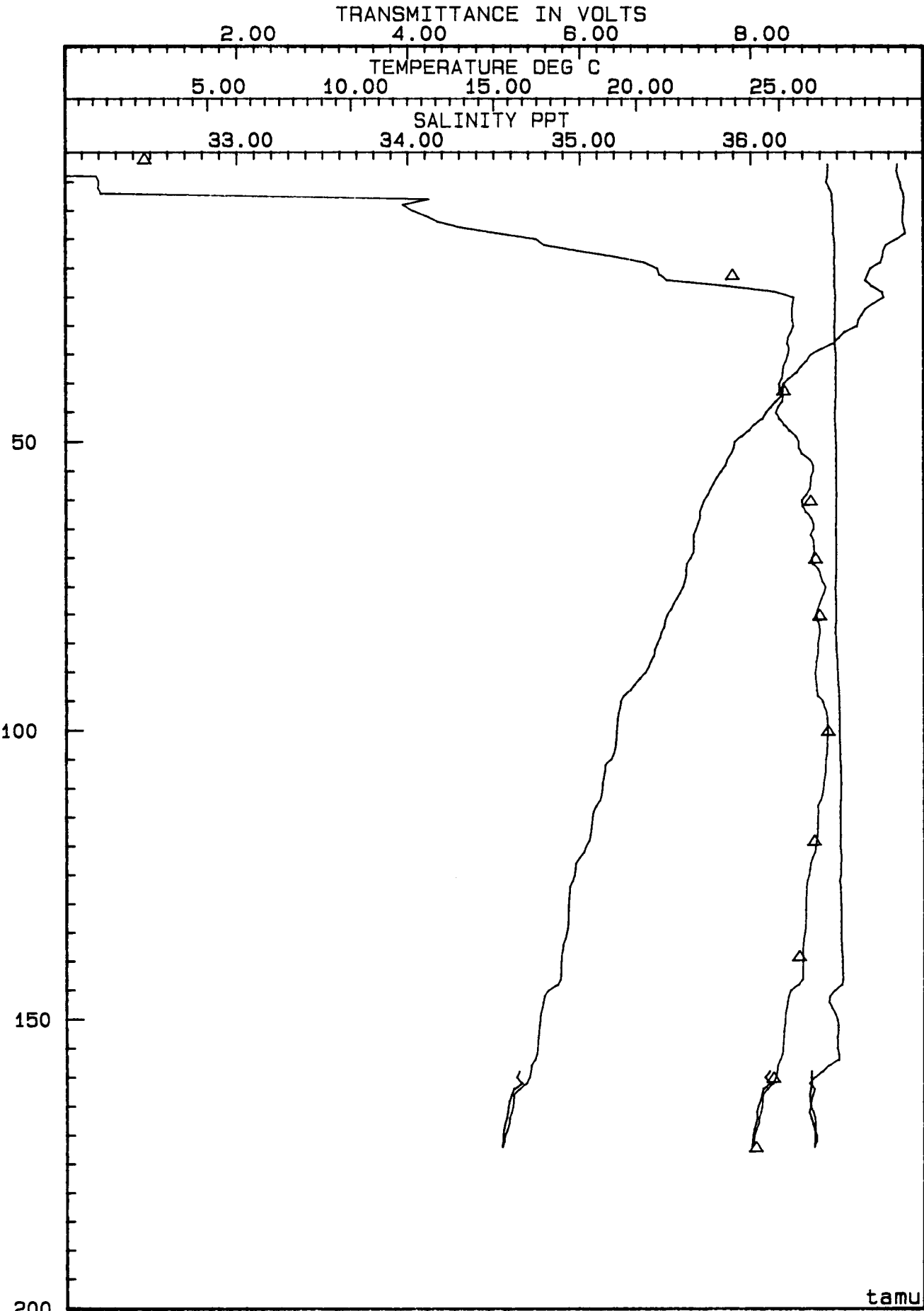


CRUISE: 90g10 STATION: SB019.PL DATE: Jul 13 17: 08: 45 1990
LATITUDE: 27 54.48 LONGITUDE: 93 28.61
TRIANGLES DENOTE DISCRETE SAMPLES

tamu

STATION EB020.PLT CRUISE 90g10 DATE & TIME Fri Jul 13 18:22:12 1990, Julian day = 194
 LAT 27 49.96 LON 93 24.63 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
152.0	16.511	36.183	26.540	8.992										
153.0	16.493	36.181	26.543	8.995										
154.0	16.475	36.178	26.545	8.985										
155.0	16.450	36.176	26.546	8.984										
156.0	16.442	36.173	26.548	9.001										
157.0	16.377	36.161	26.555	9.004										
158.0	16.247	36.146	26.573	8.887										
159.0	16.226	36.143	26.575	8.815										
160.0	16.182	36.135	26.580	8.723										
161.0	16.088	36.121	26.591	8.664										
162.0	15.842	36.088	26.622	8.721										
163.0	15.634	36.060	26.648	8.700										
164.0	15.628	36.060	26.649	8.681										
165.0	15.611	36.056	26.650	8.673										
166.0	15.563	36.049	26.656	8.657										
167.0	15.496	36.039	26.663	8.678										
168.0	15.474	36.036	26.666	8.701										
169.0	15.407	36.023	26.671	8.720										
170.0	15.327	36.012	26.681	8.746										
171.0	15.296	36.008	26.685	8.746										
172.0	15.247	35.999	26.689	8.720										
172.0	15.232	35.997	26.690	8.720										
171.0	15.265	36.002	26.687	8.727										
170.0	15.274	36.005	26.687	8.730										
169.0	15.291	36.010	26.687	8.730										
168.0	15.334	36.021	26.686	8.731										
167.0	15.396	36.029	26.677	8.728										
166.0	15.432	36.025	26.667	8.707										
165.0	15.456	36.035	26.669	8.678										
164.0	15.495	36.046	26.669	8.671										
163.0	15.569	36.055	26.660	8.666										
162.0	15.636	36.063	26.650	8.675										
161.0	15.937	36.105	26.613	8.690										
160.0	15.744	36.074	26.634	8.682										
159.0	15.842	36.101	26.632	8.689										



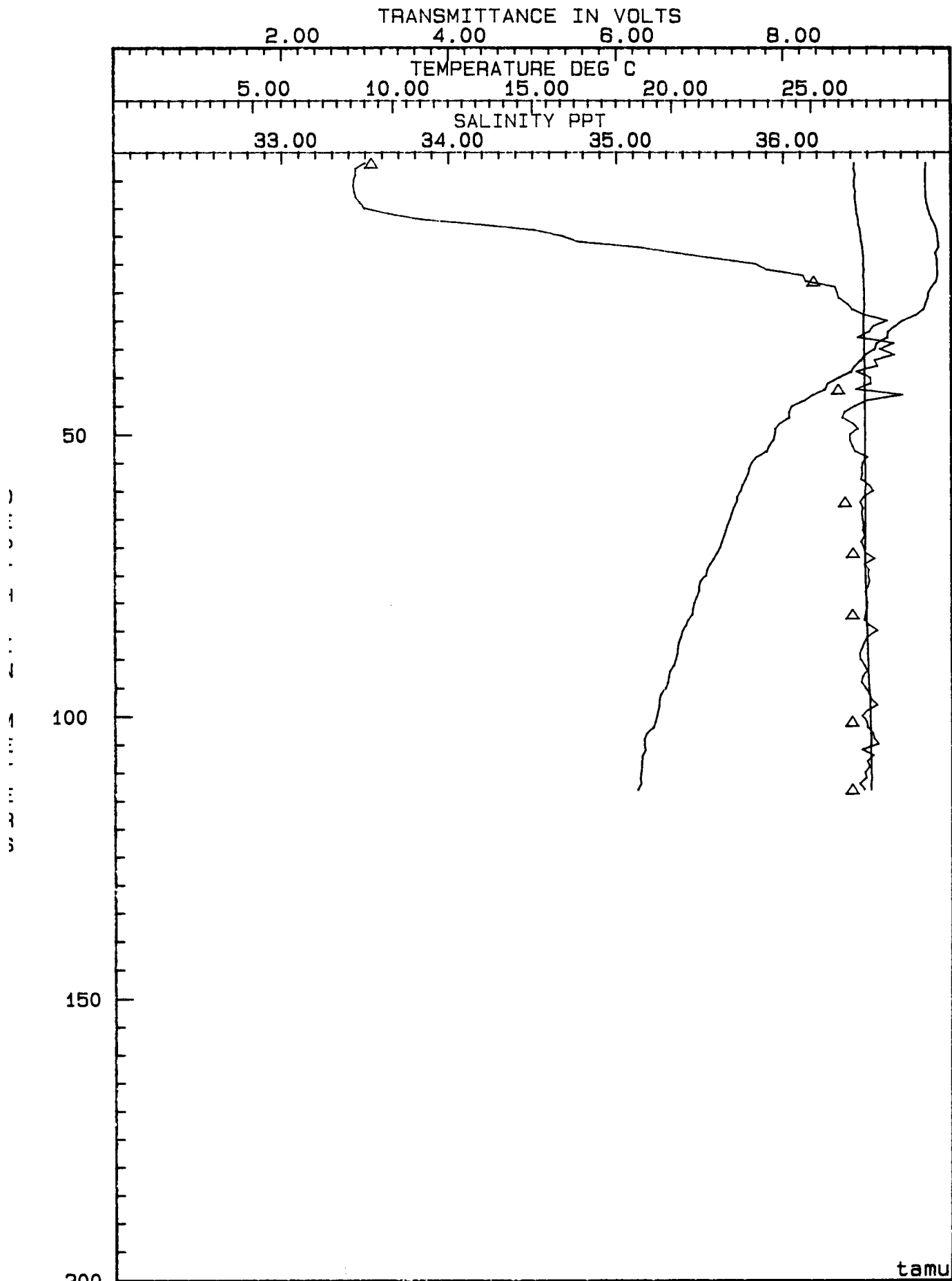
CRUISE: 90g10 STATION: SB020.PL DATE: Jul 13 18: 22: 12 1990

LATITUDE: 27 49.96 LONGITUDE: 93 24.63

TRIANGLES DENOTE DISCRETE SAMPLES

STATION 98021.P11:: CRUISE #0010 DATE & TIME Sat Jul 14 00:33:04 1990, Julian day = 195
 LAT 27.4485 LON 93.2053 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	NSM	DEPTH	TEMP	SALT	SIGMA-T	NSM	DEPTH	TEMP	SALT	SIGMA-T	NSM
2.0	29.088	33.493	20.910	8.843	52.0	23.427	36.406	24.865	8.963	102.0	19.289	36.492	26.090	9.020
3.0	29.070	33.497	20.890	8.836	53.0	23.388	36.423	24.832	8.963	103.0	19.040	36.504	26.147	9.023
4.0	29.061	33.499	20.879	8.851	54.0	23.023	36.496	25.064	8.959	104.0	18.957	36.532	26.205	9.028
5.0	29.069	33.498	20.864	8.849	55.0	22.850	36.465	25.090	8.964	105.0	18.953	36.556	26.225	9.033
6.0	29.073	33.498	20.860	8.849	56.0	22.762	36.462	25.113	8.971	106.0	18.994	36.459	26.140	9.021
7.0	29.072	33.491	20.865	8.854	57.0	22.723	36.465	25.126	8.969	107.0	18.881	36.528	26.201	9.025
8.0	29.084	33.449	20.868	8.849	58.0	22.628	36.456	25.148	8.968	108.0	18.862	36.489	26.197	9.028
9.0	29.112	33.466	20.878	8.857	59.0	22.523	36.506	25.215	8.972	109.0	18.853	36.504	26.210	9.036
10.0	29.157	33.494	20.884	8.863	60.0	22.450	36.529	25.254	8.964	110.0	18.831	36.476	26.194	9.026
11.0	29.214	33.637	20.972	8.870	61.0	22.332	36.476	25.247	8.969	111.0	18.808	36.485	26.207	9.033
12.0	29.298	33.825	21.085	8.888	62.0	22.302	36.451	25.237	8.968	112.0	18.834	36.444	26.169	9.024
13.0	29.397	34.173	21.313	8.889	63.0	22.196	36.466	25.279	8.967	113.0	18.722	36.472	26.219	9.025
14.0	29.470	34.509	21.540	8.908	64.0	22.128	36.461	25.294	8.965					
15.0	29.497	34.669	21.651	8.914	65.0	22.064	36.466	25.316	8.968					
16.0	29.523	34.769	21.718	8.923	66.0	21.980	36.472	25.344	8.968					
17.0	29.544	35.132	21.982	8.934	67.0	21.916	36.467	25.359	8.967					
18.0	29.416	35.358	22.195	8.942	68.0	21.845	36.479	25.387	8.969					
19.0	29.475	35.590	22.349	8.949	69.0	21.770	36.456	25.391	8.964					
20.0	29.490	35.831	22.525	8.943	70.0	21.704	36.473	25.422	8.964					
21.0	29.495	35.902	22.578	8.954	71.0	21.595	36.480	25.458	8.962					
22.0	29.497	36.116	22.737	8.944	72.0	21.475	36.537	25.535	8.965					
23.0	29.450	36.132	22.765	8.952	73.0	21.350	36.479	25.525	8.959					
24.0	29.291	36.305	22.948	8.951	74.0	21.232	36.503	25.576	8.965					
25.0	29.168	36.317	22.999	8.957	75.0	21.192	36.498	25.584	8.966					
26.0	29.151	36.326	23.012	8.954	76.0	20.985	36.507	25.647	8.969					
27.0	29.069	36.378	23.079	8.959	77.0	20.938	36.496	25.652	8.970					
28.0	28.993	36.406	23.125	8.956	78.0	20.938	36.482	25.641	8.972					
29.0	28.713	36.483	23.277	8.949	79.0	20.854	36.487	25.668	8.973					
30.0	28.236	36.616	23.535	8.950	80.0	20.767	36.495	25.698	8.973					
31.0	27.973	36.533	23.559	8.947	81.0	20.721	36.490	25.706	8.975					
32.0	27.706	36.507	23.627	8.950	82.0	20.690	36.480	25.707	8.974					
33.0	27.694	36.440	23.580	8.956	83.0	20.552	36.475	25.741	8.975					
34.0	27.314	36.654	23.866	8.957	84.0	20.471	36.503	25.784	8.979					
35.0	27.239	36.570	23.826	8.953	85.0	20.343	36.553	25.857	8.986					
36.0	26.908	36.658	23.999	8.959	86.0	20.279	36.493	25.828	8.984					
37.0	26.752	36.538	23.958	8.959	87.0	20.198	36.474	25.835	8.988					
38.0	26.537	36.557	24.041	8.964	88.0	20.166	36.460	25.833	8.990					
39.0	26.399	36.431	23.990	8.959	89.0	20.148	36.447	25.828	8.990					
40.0	25.966	36.515	24.190	8.958	90.0	20.099	36.451	25.844	8.992					
41.0	25.570	36.517	24.314	8.956	91.0	20.033	36.474	25.879	8.996					
42.0	25.472	36.428	24.278	8.964	92.0	19.883	36.491	25.932	8.995					
43.0	25.049	36.706	24.618	8.964	93.0	19.840	36.464	25.923	8.997					
44.0	24.737	36.496	24.554	8.961	94.0	19.808	36.456	25.925	9.001					
45.0	24.289	36.422	24.634	8.961	95.0	19.730	36.479	25.963	9.004					
46.0	24.184	36.360	24.618	8.966	96.0	19.560	36.502	26.026	9.011					
47.0	24.194	36.326	24.605	8.963	97.0	19.503	36.513	26.049	9.017					
48.0	23.854	36.407	24.752	8.962	98.0	19.493	36.552	26.081	9.012					
49.0	23.691	36.441	24.826	8.964	99.0	19.457	36.494	26.047	9.017					
50.0	23.679	36.392	24.793	8.967	100.0	19.409	36.460	26.033	9.016					
51.0	23.627	36.391	24.807	8.966	101.0	19.357	36.487	26.067	9.019					



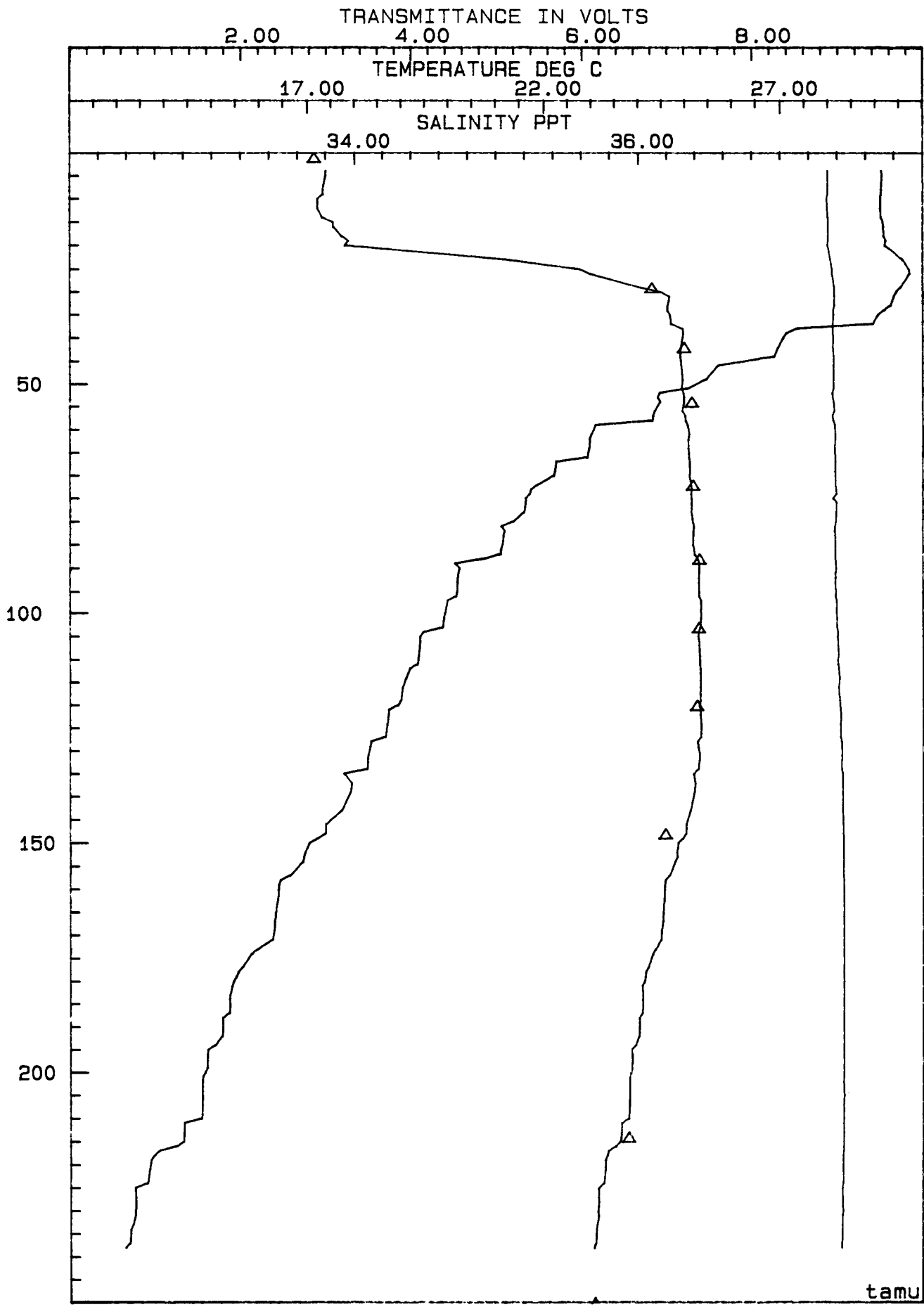
CRUISE: 90g10 STATION: SB021.PL DATE: Jul 14 00:33:04 1990

LATITUDE: 27 44.85 LONGITUDE: 93 20.53

TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB003.PLT CRUISE 90510 DATE & TIME Sat Jul 14 01:53:48 1990, Julian day = 195
 LAT 07 40.08 LON 153 16.37 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	SI	DEPTH	TEMP	SALT	SIGMA-T	NSM	DEPTH	TEMP	SALT	SIGMA-T	NSM
218.0	13.766	35.701	26.873	9.054										
219.0	13.697	35.757	26.877	9.053										
221.0	13.663	35.756	26.844	9.053										
224.0	13.621	35.747	26.849	9.053										
225.0	13.361	35.709	26.869	9.047										
227.0	13.371	35.709	26.867	9.048										
228.0	13.375	35.712	26.869	9.048										
229.0	13.371	35.707	26.866	9.048										
230.0	13.362	35.704	26.865	9.053										
231.0	13.364	35.710	26.870	9.047										
233.0	13.310	35.698	26.872	9.045										
234.0	13.268	35.693	26.876	9.045										
235.0	13.261	35.691	26.876	9.043										
236.0	13.257	35.691	26.877	9.043										
237.0	13.250	35.690	26.878	9.037										
238.0	13.159	35.677	26.886	9.038										



CRUISE: 90g10 STATION: SB022.PL DATE: Jul 14 01:53:48 1990
LATITUDE: 27 40.08 LONGITUDE: 93 16.37
TRIANGLES DENOTE DISCRETE SAMPLES

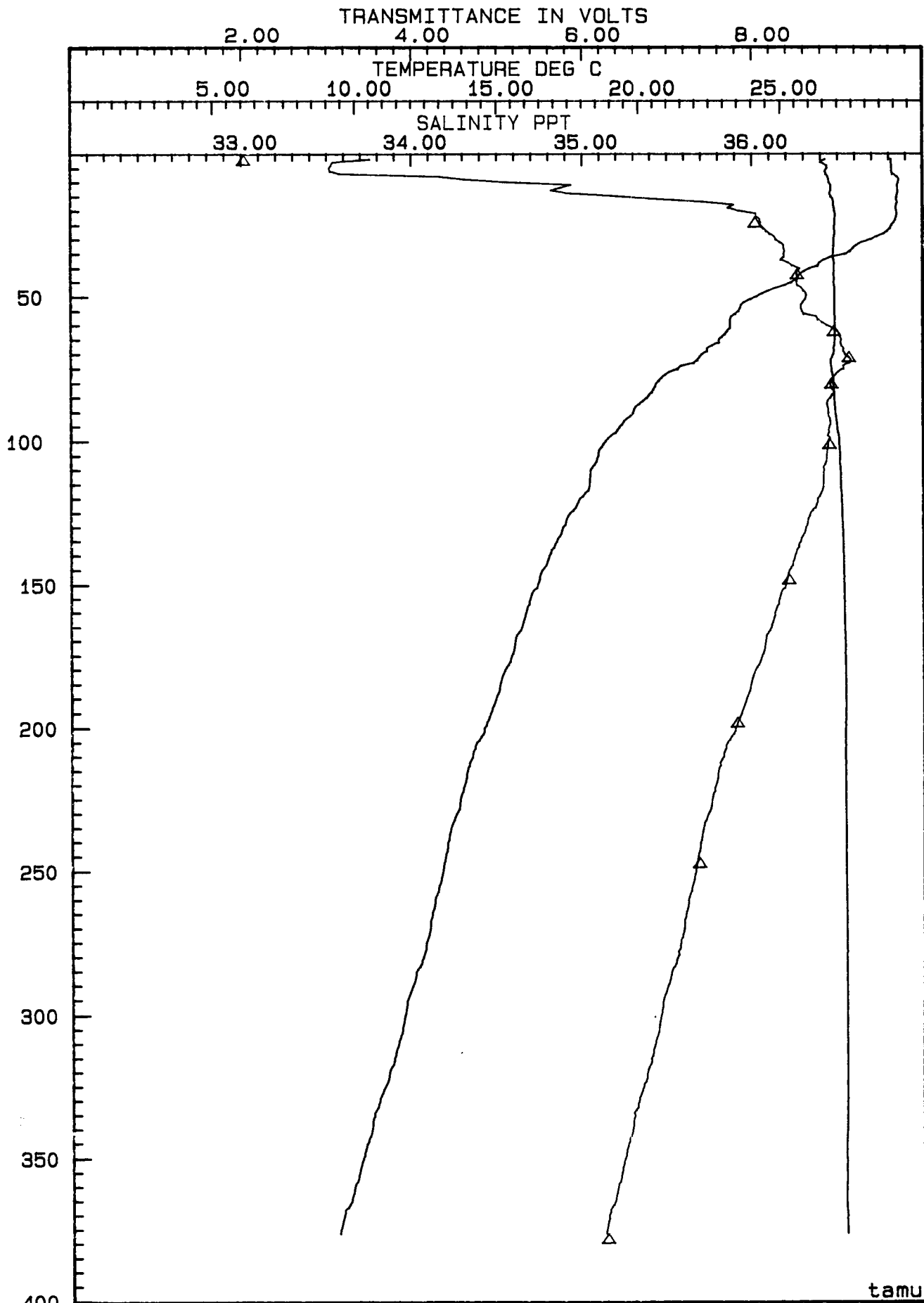
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STATION 58023.PLT:: CRUISE 90g10 DATE & TIME Sat Jul 14 03:16:51 1990, Julian day = 195
 LAT 27 39.15 LON 93 12.00 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSII	DEPTH	TEMP	SALT	SIGMA-T	XSII	DEPTH	TEMP	SALT	SIGMA-T	XSII
2.0	28.891	35.755	21.168	8.852	52.0	23.716	36.295	24.793	8.961	102.0	18.657	36.437	26.209	9.015
3.0	28.890	35.532	21.001	8.798	53.0	23.604	36.284	24.743	8.959	103.0	18.568	36.434	26.229	9.016
4.0	28.893	35.624	20.994	8.870	54.0	23.572	36.285	24.743	8.959	104.0	18.541	36.433	26.235	9.019
5.0	28.897	35.614	20.985	8.873	55.0	23.526	36.289	24.760	8.959	105.0	18.531	36.432	26.237	9.019
6.0	28.900	35.518	20.988	8.852	56.0	23.412	36.297	24.700	8.957	106.0	18.497	36.430	26.244	9.015
7.0	28.918	35.573	21.022	8.851	57.0	23.253	36.321	24.902	8.964	107.0	18.466	36.427	26.250	9.014
8.0	29.093	34.162	21.406	8.880	58.0	23.219	36.380	24.919	8.963	108.0	18.407	36.423	26.261	9.019
9.0	29.153	34.302	21.491	8.893	59.0	23.212	36.404	24.939	8.962	109.0	18.327	36.413	26.274	9.025
10.0	29.134	34.536	21.623	8.898	60.0	23.211	36.432	24.950	8.963	110.0	18.163	36.416	26.292	9.025
11.0	29.099	34.935	21.985	8.915	61.0	23.216	36.465	24.934	8.962	111.0	18.256	36.414	26.292	9.029
12.0	29.105	34.873	21.936	8.920	62.0	23.126	36.492	25.931	8.962	112.0	18.245	36.413	26.294	9.027
13.0	29.111	34.817	21.892	8.915	63.0	23.046	36.506	25.065	8.961	113.0	18.234	36.412	26.297	9.027
14.0	29.103	34.915	21.969	8.905	64.0	22.939	36.511	25.100	8.962	114.0	18.225	36.412	26.299	9.029
15.0	29.075	35.203	22.194	8.916	65.0	22.828	36.518	25.137	8.962	115.0	18.221	36.412	26.300	9.029
16.0	29.061	35.453	22.386	8.940	66.0	22.826	36.514	25.134	8.959	116.0	18.211	36.411	26.302	9.030
17.0	29.095	35.720	22.575	8.949	67.0	22.591	36.518	25.205	8.955	117.0	18.179	36.406	26.305	9.031
18.0	29.059	35.892	22.717	8.949	68.0	22.409	36.530	25.266	8.949	118.0	18.067	36.398	26.328	9.034
19.0	29.034	35.857	22.699	8.955	69.0	22.406	36.530	25.268	8.952	119.0	17.996	36.391	26.340	9.036
20.0	29.069	35.919	22.734	8.958	70.0	22.227	36.539	25.325	8.944	120.0	17.872	36.379	26.361	9.037
21.0	29.077	36.022	22.809	8.968	71.0	22.142	36.559	25.365	8.929	121.0	17.832	36.378	26.370	9.038
22.0	29.058	36.021	22.814	8.967	72.0	22.068	36.573	25.396	8.915	122.0	17.782	36.371	26.378	9.041
23.0	29.027	36.046	22.843	8.964	73.0	21.946	36.566	25.426	8.914	123.0	17.735	36.366	26.385	9.040
24.0	28.975	36.050	22.863	8.965	74.0	21.486	36.529	25.526	8.917	124.0	17.650	36.350	26.395	9.041
25.0	28.894	36.049	22.889	8.961	75.0	21.372	36.533	25.560	8.923	125.0	17.538	36.336	26.411	9.041
26.0	28.841	36.062	22.917	8.954	76.0	21.073	36.501	25.619	8.927	126.0	17.467	36.331	26.425	9.044
27.0	28.745	36.081	22.964	8.962	77.0	20.919	36.485	25.648	8.933	127.0	17.413	36.323	26.431	9.045
28.0	28.610	36.101	23.024	8.962	78.0	20.790	36.473	25.674	8.941	128.0	17.388	36.321	26.436	9.046
29.0	28.363	36.129	23.127	8.954	79.0	20.703	36.464	25.691	8.943	129.0	17.370	36.318	26.438	9.048
30.0	28.155	36.136	23.200	8.948	80.0	20.598	36.454	25.712	8.943	130.0	17.287	36.310	26.452	9.049
31.0	27.839	36.159	23.321	8.951	81.0	20.559	36.456	25.724	8.948	131.0	17.251	36.306	26.457	9.051
32.0	27.653	36.183	23.400	8.949	82.0	20.498	36.465	25.748	8.950	132.0	17.223	36.301	26.460	9.050
33.0	27.534	36.183	23.439	8.948	83.0	20.448	36.475	25.769	8.951	133.0	17.176	36.292	26.465	9.052
34.0	27.440	36.188	23.473	8.944	84.0	20.342	36.464	25.788	8.953	134.0	17.104	36.283	26.475	9.051
35.0	27.277	36.184	23.523	8.943	85.0	20.268	36.454	25.801	8.951	135.0	17.065	36.279	26.482	9.053
36.0	26.772	36.186	23.686	8.938	86.0	20.134	36.438	25.825	8.956	136.0	17.006	36.268	26.488	9.053
37.0	26.524	36.166	23.750	8.948	87.0	20.000	36.434	25.857	8.957	137.0	16.973	36.268	26.495	9.054
38.0	26.344	36.208	23.839	8.953	88.0	19.856	36.437	25.897	8.963	138.0	16.884	36.257	26.508	9.052
39.0	26.303	36.232	23.870	8.952	89.0	19.802	36.441	25.915	8.966	139.0	16.854	36.252	26.512	9.057
40.0	26.008	36.278	23.998	8.952	90.0	19.772	36.441	25.923	8.967	140.0	16.796	36.245	26.521	9.058
41.0	25.815	36.260	24.044	8.951	91.0	19.700	36.442	25.943	8.972	141.0	16.770	36.242	26.524	9.058
42.0	25.665	36.258	24.089	8.949	92.0	19.550	36.451	25.989	8.977	142.0	16.729	36.235	26.528	9.060
43.0	25.588	36.263	24.117	8.952	93.0	19.449	36.453	26.017	8.983	143.0	16.702	36.232	26.533	9.056
44.0	25.505	36.260	24.141	8.952	94.0	19.386	36.454	26.034	8.986	144.0	16.619	36.222	26.544	9.060
45.0	25.374	36.259	24.180	8.949	95.0	19.294	36.447	26.053	8.989	145.0	16.544	36.212	26.554	9.062
46.0	25.146	36.262	24.252	8.953	96.0	19.225	36.444	26.068	8.991	146.0	16.501	36.206	26.560	9.057
47.0	24.837	36.286	24.365	8.958	97.0	19.158	36.446	26.087	8.996	147.0	16.468	36.203	26.565	9.065
48.0	24.573	36.297	24.453	8.958	98.0	18.995	36.438	26.124	9.006	148.0	16.457	36.200	26.565	9.062
49.0	24.349	36.312	24.533	8.959	99.0	18.889	36.451	26.161	9.007	149.0	16.426	36.196	26.570	9.062
50.0	24.172	36.314	24.587	8.958	100.0	18.795	36.443	26.178	9.008	150.0	16.389	36.189	26.573	9.065
51.0	23.942	36.309	24.652	8.961	101.0	18.722	36.439	26.195	9.010	151.0	16.367	36.188	26.577	9.065

STATION 99023.PLI:: LPUISF #0g10 DATE & TIME Sat Jul 14 03:16:51 1990, Julian day = 195
 LAT 27 35.15 LON 123 12.00 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

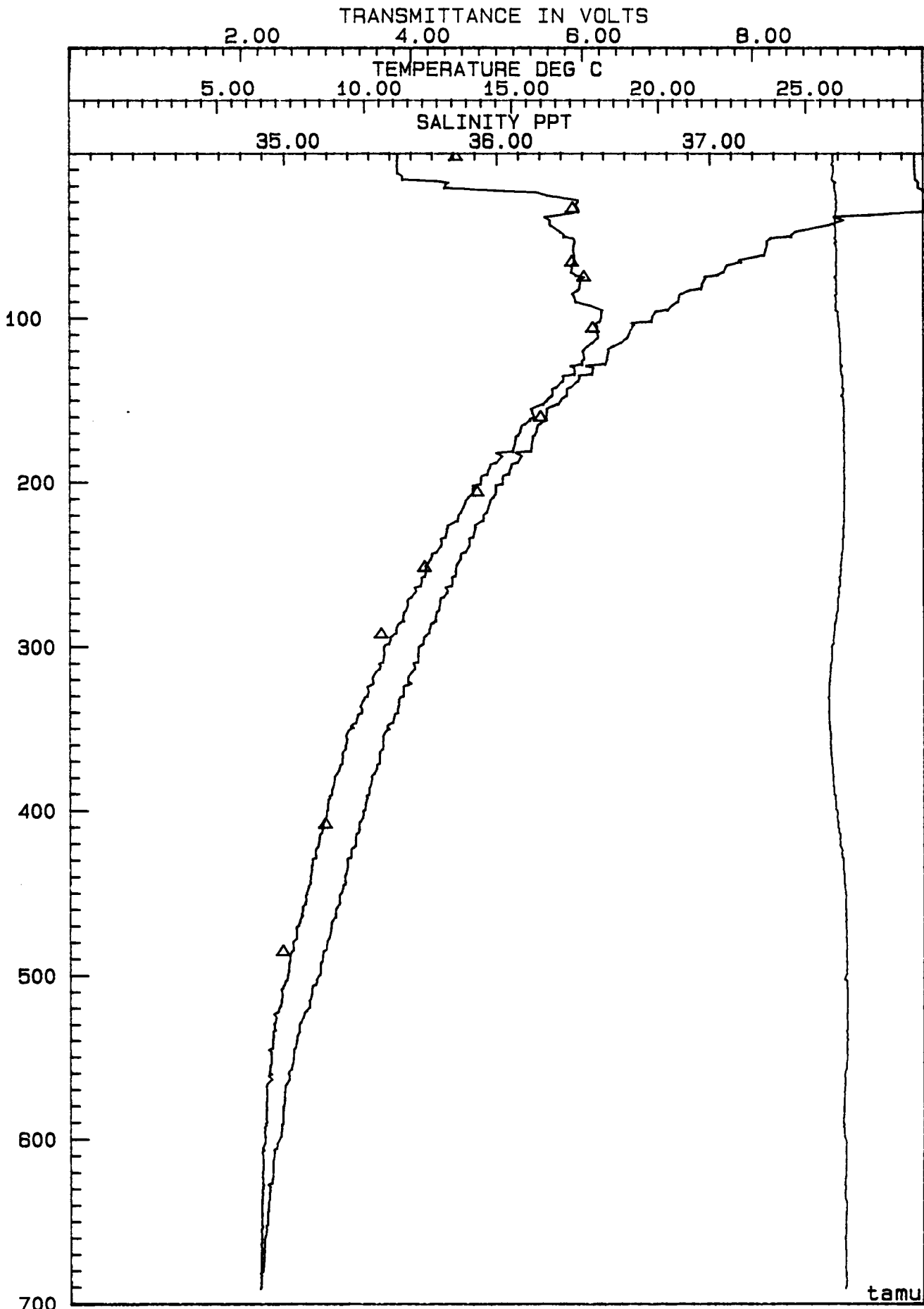
DEPTH	TEMP	SALT	SIGMA-T	CSM	DEPTH	TEMP	SALT	SIGMA-T	CSM	DEPTH	TEMP	SALT	SIGMA-T	CSM
302.0	11.647	35.445	27.003	9.087	351.0	10.133	35.228	27.118	9.079					
303.0	11.622	35.441	27.005	9.088	353.0	10.104	35.225	27.109	9.077					
304.0	11.601	35.437	27.006	9.087	354.0	10.080	35.221	27.111	9.076					
305.0	11.586	35.438	27.007	9.088	355.0	10.055	35.218	27.113	9.082					
306.0	11.579	35.435	27.008	9.087	356.0	10.035	35.214	27.114	9.081					
307.0	11.541	35.430	27.011	9.088	357.0	10.019	35.212	27.115	9.081					
308.0	11.510	35.424	27.012	9.089	358.0	9.988	35.208	27.117	9.079					
309.0	11.470	35.419	27.016	9.089	359.0	9.918	35.197	27.121	9.076					
310.0	11.453	35.416	27.017	9.089	360.0	9.894	35.195	27.123	9.075					
311.0	11.422	35.411	27.019	9.087	361.0	9.872	35.191	27.124	9.075					
312.0	11.379	35.405	27.022	9.088	362.0	9.856	35.188	27.124	9.074					
313.0	11.361	35.405	27.025	9.089	363.0	9.816	35.184	27.123	9.073					
314.0	11.347	35.401	27.024	9.089	364.0	9.794	35.181	27.128	9.074					
315.0	11.305	35.393	27.026	9.090	365.0	9.775	35.177	27.129	9.074					
316.0	11.297	35.395	27.029	9.089	366.0	9.720	35.170	27.133	9.075					
317.0	11.272	35.389	27.029	9.089	367.0	9.665	35.158	27.133	9.078					
318.0	11.205	35.380	27.035	9.090	368.0	9.548	35.150	27.146	9.080					
319.0	11.154	35.373	27.039	9.090	369.0	9.546	35.148	27.145	9.083					
320.0	11.128	35.369	27.041	9.091	370.0	9.515	35.140	27.144	9.087					
321.0	11.119	35.368	27.042	9.090	371.0	9.493	35.143	27.150	9.080					
322.0	11.103	35.366	27.042	9.090	372.0	9.461	35.137	27.150	9.085					
323.0	11.071	35.361	27.044	9.088	373.0	9.445	35.134	27.151	9.084					
324.0	11.017	35.350	27.046	9.088	374.0	9.417	35.131	27.153	9.087					
325.0	10.975	35.347	27.051	9.090	375.0	9.385	35.127	27.156	9.088					
326.0	10.926	35.340	27.054	9.090	376.0	9.372	35.125	27.156	9.088					
327.0	10.890	35.335	27.057	9.090										
328.0	10.836	35.327	27.061	9.090										
329.0	10.794	35.321	27.064	9.093										
330.0	10.781	35.320	27.065	9.088										
331.0	10.741	35.313	27.067	9.090										
332.0	10.727	35.315	27.070	9.087										
333.0	10.663	35.303	27.073	9.087										
334.0	10.601	35.291	27.075	9.089										
335.0	10.602	35.296	27.078	9.087										
336.0	10.555	35.289	27.082	9.087										
337.0	10.536	35.287	27.083	9.087										
338.0	10.535	35.286	27.083	9.087										
339.0	10.528	35.285	27.083	9.087										
340.0	10.509	35.282	27.083	9.088										
341.0	10.494	35.280	27.084	9.082										
342.0	10.457	35.273	27.086	9.081										
343.0	10.403	35.265	27.089	9.091										
344.0	10.382	35.263	27.092	9.078										
345.0	10.331	35.257	27.095	9.077										
346.0	10.305	35.253	27.097	9.077										
347.0	10.278	35.247	27.097	9.078										
348.0	10.244	35.244	27.101	9.076										
349.0	10.240	35.243	27.101	9.077										
350.0	10.191	35.236	27.104	9.080										
351.0	10.159	35.231	27.105	9.082										



CRUISE: 90g10 STATION: SB023.PL DATE: Jul 14 03: 16: 51 1990
LATITUDE: 27 35.15 LONGITUDE: 93 12.00
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB024.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 05:05:15 1990, Julian day = 195
 LAT 27 30.28 LON 93 07.67 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	SBM	DEPTH	TEMP	SALT	SIGMA-T	SBM	DEPTH	TEMP	SALT	SIGMA-T	SBM
491.0	8.520	35.022	27.212	9.097	579.0	7.223	34.912	27.318	9.061	665.0	6.554	34.889	27.395	9.072
492.0	8.471	35.019	27.217	9.097	580.0	7.191	34.914	27.325	9.053	666.0	6.547	34.891	27.391	9.075
496.0	8.463	35.017	27.217	9.097	581.0	7.192	34.914	27.325	9.053	667.0	6.548	34.890	27.394	9.077
497.0	8.473	35.017	27.216	9.097	582.0	7.192	34.913	27.324	9.053	668.0	6.547	34.889	27.394	9.077
499.0	8.446	35.013	27.217	9.097	583.0	7.189	34.913	27.324	9.053	669.0	6.545	34.889	27.393	9.077
502.0	8.330	35.009	27.231	9.061	585.0	7.166	34.913	27.325	9.053	671.0	6.543	34.888	27.394	9.077
503.0	8.339	35.003	27.225	9.084	587.0	7.189	34.911	27.322	9.048	677.0	6.522	34.887	27.395	9.074
505.0	8.310	34.997	27.225	9.099	589.0	7.190	34.916	27.326	9.048	678.0	6.509	34.887	27.397	9.076
506.0	8.192	34.992	27.239	9.087	590.0	7.198	34.910	27.321	9.048	680.0	6.500	34.887	27.398	9.077
507.0	8.183	34.990	27.238	9.087	591.0	7.137	34.911	27.330	9.059	681.0	6.426	34.885	27.406	9.085
508.0	8.173	34.983	27.235	9.094	592.0	7.148	34.906	27.324	9.050	682.0	6.443	34.889	27.403	9.082
511.0	8.162	34.987	27.240	9.092	593.0	7.149	34.906	27.324	9.057	683.0	6.445	34.887	27.406	9.082
514.0	8.124	34.984	27.243	9.092	595.0	7.132	34.904	27.325	9.057	686.0	6.443	34.887	27.406	9.082
515.0	8.090	34.982	27.247	9.092	598.0	7.169	34.908	27.331	9.052	689.0	6.442	34.885	27.405	9.082
516.0	8.095	34.984	27.248	9.092	602.0	6.994	34.905	27.345	9.084	690.0	6.433	34.884	27.405	9.074
518.0	8.097	34.930	27.244	9.092	605.0	6.974	34.895	27.340	9.077					
519.0	8.100	34.975	27.240	9.092	606.0	6.891	34.900	27.355	9.077					
521.0	8.006	34.970	27.250	9.092	607.0	6.901	34.893	27.348	9.079					
522.0	7.930	34.965	27.257	9.094	612.0	6.859	34.898	27.358	9.082					
523.0	7.914	34.949	27.247	9.091	613.0	6.844	34.898	27.361	9.082					
525.0	7.875	34.959	27.261	9.087	616.0	6.844	34.897	27.360	9.077					
528.0	7.805	34.955	27.268	9.092	617.0	6.845	34.897	27.360	9.077					
529.0	7.755	34.949	27.271	9.092	619.0	6.844	34.894	27.357	9.077					
530.0	7.745	34.951	27.274	9.092	622.0	6.843	34.893	27.356	9.077					
532.0	7.745	34.950	27.273	9.092	623.0	6.824	34.896	27.361	9.072					
533.0	7.745	34.856	27.277	9.092	626.0	6.813	34.895	27.362	9.068					
534.0	7.750	34.946	27.270	9.096	627.0	6.684	34.899	27.383	9.067					
536.0	7.695	34.946	27.277	9.092	628.0	6.741	34.895	27.372	9.073					
537.0	7.671	34.946	27.281	9.092	629.0	6.749	34.897	27.372	9.072					
538.0	7.665	34.945	27.281	9.088	630.0	6.754	34.892	27.369	9.072					
539.0	7.660	34.943	27.280	9.098	631.0	6.735	34.892	27.371	9.068					
541.0	7.645	34.943	27.282	9.088	632.0	6.726	34.893	27.373	9.067					
544.0	7.603	34.941	27.286	9.089	636.0	6.725	34.892	27.372	9.072					
545.0	7.561	34.924	27.280	9.093	638.0	6.691	34.892	27.376	9.089					
546.0	7.560	34.934	27.287	9.088	641.0	6.695	34.891	27.376	9.097					
547.0	7.551	34.935	27.289	9.091	643.0	6.685	34.891	27.376	9.067					
550.0	7.544	34.937	27.292	9.092	644.0	6.667	34.892	27.380	9.080					
554.0	7.512	34.934	27.294	9.080	645.0	6.664	34.891	27.379	9.081					
555.0	7.493	34.931	27.295	9.082	646.0	6.662	34.891	27.380	9.082					
557.0	7.480	34.930	27.296	9.082	649.0	6.659	34.891	27.380	9.076					
559.0	7.383	34.926	27.307	9.068	651.0	6.662	34.890	27.379	9.077					
560.0	7.382	34.937	27.315	9.063	652.0	6.618	34.893	27.397	9.077					
561.0	7.398	34.923	27.303	9.062	653.0	6.626	34.893	27.396	9.077					
563.0	7.407	34.939	27.313	9.067	654.0	6.627	34.888	27.382	9.077					
566.0	7.305	34.916	27.311	9.065	655.0	6.623	34.888	27.383	9.077					
567.0	7.265	34.914	27.314	9.067	658.0	6.587	34.891	27.390	9.075					
571.0	7.243	34.915	27.318	9.058	659.0	6.569	34.891	27.392	9.070					
575.0	7.250	34.915	27.317	9.057	660.0	6.561	34.891	27.393	9.071					
576.0	7.245	34.915	27.318	9.057	662.0	6.561	34.891	27.393	9.072					
577.0	7.243	34.913	27.316	9.057	663.0	6.564	34.886	27.389	9.072					



CRUISE: 90g10 STATION: SB024.PL DATE: Jul 14 05: 06: 15 1990

LATITUDE: 27 30.28 LONGITUDE: 93 07.67

TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB025.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 07:35:39 1990, Julian day = 195
 LAT 27 19.72 LON 92 58.94 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

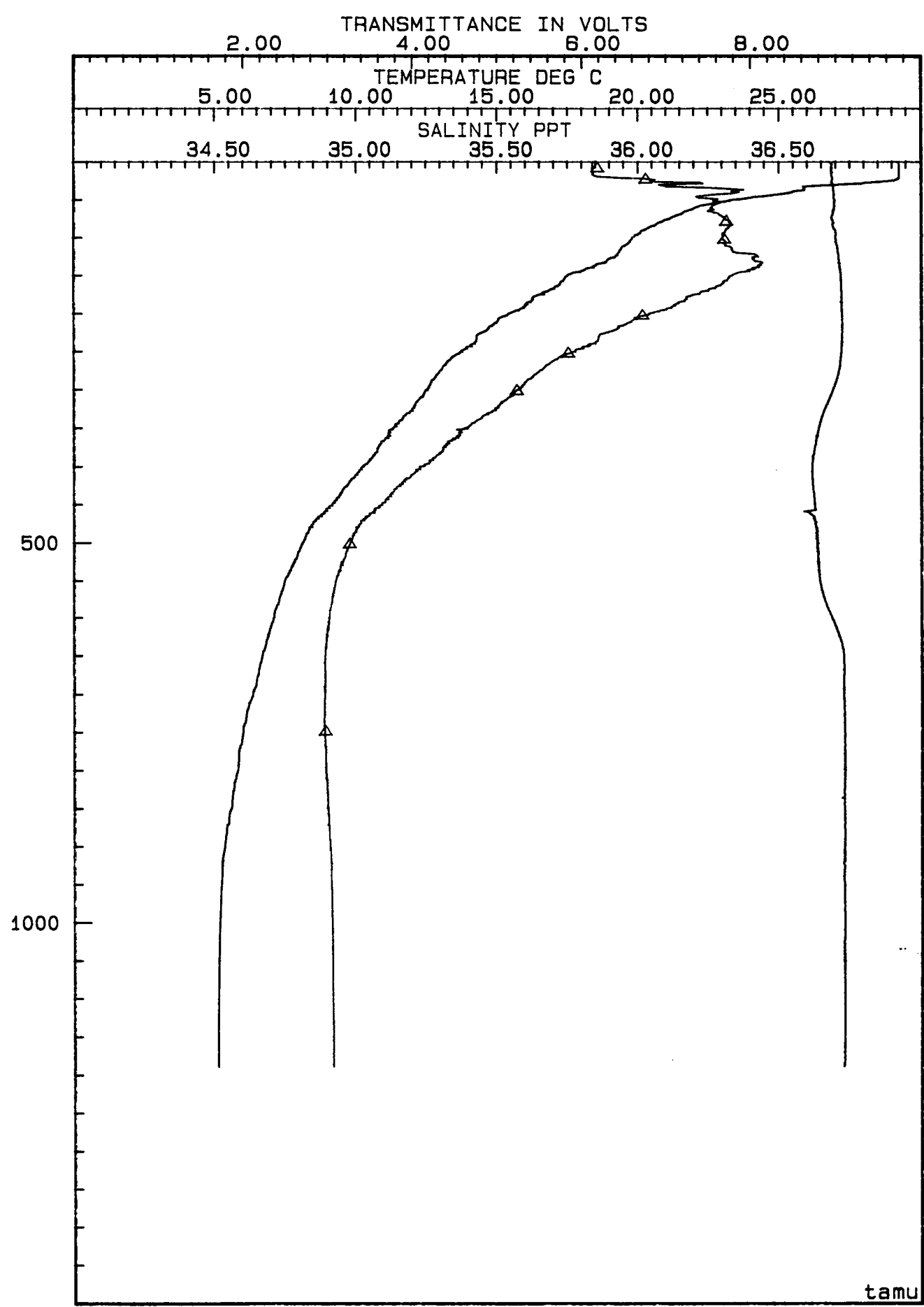
DEPTH	TEMP	SALT	SIGMA-T	NSM	DEPTH	TEMP	SALT	SIGMA-T	NSM	DEPTH	TEMP	SALT	SIGMA-T	NSM
751.0	5.972	34.885	27.466	9.095	891.0	5.778	34.890	27.494	9.096	851.0	5.545	34.897	27.529	9.091
752.0	5.964	34.886	27.468	9.096	892.0	5.775	34.891	27.495	9.095	852.0	5.539	34.897	27.530	9.089
753.0	5.965	34.886	27.468	9.092	893.0	5.771	34.890	27.495	9.091	853.0	5.512	34.898	27.534	9.092
754.0	5.961	34.885	27.467	9.092	894.0	5.743	34.892	27.500	9.095	854.0	5.515	34.898	27.533	9.092
755.0	5.949	34.887	27.470	9.096	895.0	5.742	34.892	27.500	9.092	855.0	5.512	34.899	27.534	9.091
756.0	5.948	34.887	27.470	9.091	896.0	5.749	34.891	27.499	9.089	856.0	5.493	34.897	27.535	9.089
757.0	5.951	34.887	27.470	9.092	897.0	5.729	34.892	27.502	9.094	857.0	5.485	34.900	27.538	9.092
758.0	5.941	34.886	27.471	9.093	898.0	5.727	34.892	27.502	9.093	858.0	5.489	34.900	27.538	9.091
759.0	5.936	34.888	27.472	9.090	899.0	5.731	34.890	27.500	9.092	859.0	5.487	34.898	27.537	9.088
760.0	5.937	34.888	27.472	9.092	900.0	5.721	34.893	27.504	9.091	860.0	5.480	34.899	27.538	9.091
761.0	5.933	34.887	27.472	9.092	901.0	5.715	34.890	27.502	9.092	861.0	5.478	34.900	27.539	9.092
762.0	5.924	34.888	27.474	9.092	902.0	5.685	34.894	27.509	9.092	862.0	5.481	34.899	27.538	9.087
763.0	5.919	34.888	27.475	9.093	903.0	5.682	34.894	27.509	9.090	863.0	5.473	34.899	27.539	9.092
764.0	5.918	34.888	27.475	9.093	904.0	5.692	34.893	27.507	9.087	864.0	5.474	34.900	27.540	9.092
765.0	5.918	34.888	27.475	9.094	905.0	5.664	34.894	27.512	9.092	865.0	5.474	34.899	27.539	9.091
766.0	5.903	34.886	27.475	9.095	906.0	5.665	34.895	27.513	9.092	866.0	5.475	34.899	27.539	9.091
767.0	5.874	34.887	27.479	9.096	907.0	5.671	34.894	27.511	9.088	867.0	5.472	34.900	27.540	9.092
768.0	5.868	34.890	27.483	9.093	908.0	5.666	34.893	27.510	9.089	868.0	5.471	34.899	27.540	9.092
769.0	5.875	34.888	27.481	9.091	909.0	5.662	34.895	27.512	9.089	869.0	5.468	34.899	27.540	9.092
770.0	5.849	34.889	27.485	9.092	920.0	5.664	34.894	27.512	9.092	870.0	5.461	34.900	27.541	9.090
771.0	5.837	34.889	27.486	9.093	921.0	5.668	34.894	27.511	9.089	871.0	5.415	34.897	27.544	9.091
772.0	5.831	34.891	27.488	9.092	922.0	5.657	34.893	27.511	9.088	872.0	5.404	34.903	27.551	9.091
773.0	5.841	34.889	27.486	9.091	923.0	5.646	34.894	27.514	9.090	873.0	5.409	34.902	27.549	9.087
774.0	5.818	34.889	27.488	9.094	924.0	5.647	34.895	27.515	9.088	874.0	5.403	34.902	27.550	9.089
775.0	5.818	34.890	27.490	9.094	925.0	5.653	34.894	27.513	9.083	875.0	5.396	34.902	27.551	9.087
776.0	5.819	34.890	27.489	9.094	926.0	5.618	34.894	27.518	9.088	876.0	5.397	34.903	27.551	9.091
777.0	5.824	34.890	27.489	9.088	927.0	5.616	34.897	27.520	9.088	877.0	5.397	34.901	27.550	9.092
778.0	5.816	34.890	27.489	9.096	928.0	5.623	34.896	27.518	9.085	878.0	5.393	34.902	27.551	9.092
779.0	5.817	34.890	27.490	9.095	929.0	5.617	34.894	27.517	9.084	879.0	5.391	34.902	27.552	9.093
780.0	5.822	34.890	27.489	9.090	930.0	5.609	34.896	27.520	9.087	880.0	5.391	34.902	27.552	9.092
781.0	5.815	34.890	27.489	9.095	931.0	5.610	34.896	27.520	9.087	881.0	5.391	34.902	27.552	9.092
782.0	5.816	34.890	27.490	9.096	932.0	5.609	34.896	27.520	9.087	882.0	5.385	34.902	27.552	9.092
783.0	5.818	34.890	27.490	9.092	933.0	5.608	34.895	27.520	9.087	883.0	5.383	34.903	27.553	9.093
784.0	5.825	34.889	27.488	9.089	934.0	5.599	34.896	27.521	9.088	884.0	5.381	34.902	27.552	9.092
785.0	5.816	34.890	27.489	9.096	935.0	5.600	34.896	27.521	9.087	885.0	5.370	34.903	27.555	9.092
786.0	5.814	34.890	27.490	9.096	936.0	5.602	34.896	27.521	9.063	886.0	5.368	34.903	27.555	9.091
787.0	5.819	34.890	27.489	9.091	937.0	5.596	34.896	27.521	9.088	887.0	5.367	34.903	27.555	9.092
788.0	5.811	34.889	27.489	9.095	938.0	5.591	34.896	27.522	9.087	888.0	5.360	34.903	27.556	9.092
789.0	5.807	34.891	27.491	9.096	939.0	5.592	34.897	27.522	9.088	889.0	5.356	34.903	27.557	9.093
790.0	5.809	34.890	27.491	9.094	940.0	5.593	34.896	27.522	9.087	890.0	5.357	34.904	27.557	9.091
791.0	5.813	34.890	27.490	9.089	941.0	5.588	34.896	27.523	9.087	891.0	5.355	34.903	27.556	9.090
792.0	5.800	34.889	27.491	9.096	942.0	5.585	34.897	27.523	9.087	892.0	5.348	34.904	27.558	9.092
793.0	5.797	34.891	27.493	9.096	943.0	5.586	34.896	27.523	9.087	893.0	5.347	34.904	27.559	9.091
794.0	5.802	34.891	27.492	9.091	944.0	5.587	34.896	27.523	9.083	894.0	5.346	34.904	27.558	9.088
795.0	5.803	34.889	27.490	9.092	945.0	5.583	34.896	27.523	9.086	895.0	5.335	34.904	27.560	9.092
796.0	5.794	34.891	27.493	9.097	946.0	5.581	34.896	27.524	9.087	896.0	5.335	34.905	27.560	9.091
797.0	5.795	34.891	27.493	9.094	947.0	5.579	34.895	27.523	9.087	897.0	5.337	34.904	27.560	9.086
798.0	5.799	34.890	27.491	9.088	948.0	5.566	34.898	27.526	9.087	898.0	5.332	34.905	27.561	9.093
799.0	5.786	34.891	27.494	9.097	949.0	5.569	34.895	27.524	9.089	899.0	5.330	34.905	27.561	9.092
800.0	5.788	34.890	27.493	9.094	950.0	5.546	34.898	27.530	9.091	900.0	5.329	34.905	27.561	9.087

STATION S9025.PLT CPUSE 90g10 DATE & TIME Sat Jul 14 07:35:39 1990. Julian day = 195
 LAT 27 19.77 LON 92 58.94 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
901.0	5.325	34.904	27.561	9.088	951.0	5.211	34.910	27.579	9.092	1001.0	5.156	34.912	27.587	9.092
902.0	5.316	34.905	27.563	9.091	952.0	5.213	34.909	27.579	9.087	1002.0	5.152	34.912	27.588	9.092
903.0	5.318	34.906	27.563	9.088	953.0	5.205	34.909	27.580	9.089	1003.0	5.153	34.912	27.588	9.092
904.0	5.318	34.904	27.562	9.083	954.0	5.200	34.910	27.581	9.091	1004.0	5.150	34.913	27.589	9.092
905.0	5.299	34.906	27.565	9.091	955.0	5.198	34.910	27.581	9.089	1005.0	5.151	34.913	27.589	9.090
906.0	5.299	34.907	27.566	9.092	956.0	5.200	34.910	27.581	9.086	1006.0	5.151	34.912	27.588	9.093
907.0	5.298	34.905	27.565	9.084	957.0	5.194	34.910	27.582	9.091	1007.0	5.148	34.913	27.589	9.092
908.0	5.284	34.907	27.568	9.092	958.0	5.195	34.910	27.582	9.088	1008.0	5.149	34.913	27.589	9.091
909.0	5.283	34.907	27.568	9.089	959.0	5.196	34.910	27.582	9.085	1009.0	5.150	34.912	27.588	9.088
910.0	5.283	34.906	27.567	9.086	960.0	5.196	34.910	27.581	9.089	1010.0	5.146	34.913	27.590	9.092
911.0	5.267	34.908	27.571	9.092	961.0	5.193	34.910	27.582	9.089	1011.0	5.145	34.913	27.589	9.091
912.0	5.265	34.908	27.571	9.092	962.0	5.193	34.910	27.582	9.089	1012.0	5.146	34.912	27.589	9.089
913.0	5.270	34.907	27.570	9.085	963.0	5.192	34.910	27.582	9.087	1013.0	5.142	34.913	27.590	9.093
914.0	5.255	34.907	27.572	9.090	964.0	5.192	34.910	27.582	9.090	1014.0	5.143	34.913	27.590	9.091
915.0	5.251	34.908	27.573	9.092	965.0	5.191	34.910	27.582	9.091	1015.0	5.142	34.913	27.590	9.090
916.0	5.249	34.909	27.574	9.091	966.0	5.192	34.911	27.582	9.088	1016.0	5.141	34.913	27.590	9.090
917.0	5.273	34.906	27.569	9.083	967.0	5.192	34.910	27.582	9.086	1017.0	5.141	34.913	27.590	9.091
918.0	5.250	34.908	27.573	9.093	968.0	5.189	34.910	27.582	9.089	1018.0	5.141	34.913	27.590	9.092
919.0	5.242	34.909	27.575	9.092	969.0	5.187	34.911	27.583	9.089	1019.0	5.141	34.913	27.590	9.091
920.0	5.255	34.908	27.572	9.083	970.0	5.186	34.911	27.583	9.089	1020.0	5.141	34.913	27.590	9.088
921.0	5.247	34.907	27.573	9.077	971.0	5.184	34.910	27.583	9.088	1021.0	5.139	34.913	27.591	9.092
922.0	5.237	34.910	27.576	9.077	972.0	5.184	34.910	27.583	9.090	1022.0	5.138	34.914	27.591	9.092
923.0	5.241	34.909	27.575	9.078	973.0	5.184	34.911	27.583	9.090	1023.0	5.140	34.913	27.590	9.088
924.0	5.256	34.908	27.572	9.085	974.0	5.184	34.911	27.583	9.089	1024.0	5.139	34.913	27.590	9.089
925.0	5.239	34.908	27.574	9.091	975.0	5.184	34.910	27.583	9.090	1025.0	5.138	34.914	27.591	9.082
926.0	5.234	34.910	27.576	9.090	976.0	5.183	34.910	27.583	9.091	1026.0	5.139	34.913	27.591	9.078
927.0	5.241	34.908	27.574	9.086	977.0	5.182	34.911	27.583	9.090	1027.0	5.140	34.913	27.590	9.077
928.0	5.239	34.908	27.575	9.090	978.0	5.181	34.911	27.583	9.090	1028.0	5.138	34.913	27.591	9.090
929.0	5.235	34.909	27.576	9.091	979.0	5.179	34.910	27.583	9.091	1029.0	5.138	34.914	27.591	9.091
930.0	5.237	34.908	27.574	9.086	980.0	5.178	34.911	27.584	9.091	1030.0	5.138	34.913	27.591	9.085
931.0	5.234	34.909	27.576	9.080	981.0	5.178	34.911	27.584	9.089	1031.0	5.139	34.913	27.590	9.083
932.0	5.233	34.909	27.576	9.086	982.0	5.178	34.911	27.584	9.091	1032.0	5.137	34.914	27.591	9.087
933.0	5.233	34.909	27.576	9.089	983.0	5.177	34.911	27.584	9.091	1033.0	5.137	34.913	27.591	9.083
934.0	5.233	34.909	27.576	9.085	984.0	5.176	34.911	27.584	9.088	1034.0	5.137	34.913	27.591	9.084
935.0	5.233	34.909	27.576	9.081	985.0	5.175	34.911	27.584	9.091	1035.0	5.136	34.913	27.591	9.089
936.0	5.233	34.909	27.576	9.080	986.0	5.175	34.911	27.585	9.092	1036.0	5.135	34.914	27.591	9.090
937.0	5.234	34.909	27.576	9.085	987.0	5.175	34.911	27.585	9.090	1037.0	5.136	34.913	27.591	9.084
938.0	5.233	34.908	27.576	9.084	988.0	5.175	34.911	27.584	9.090	1038.0	5.136	34.913	27.591	9.083
939.0	5.231	34.909	27.576	9.077	989.0	5.174	34.911	27.584	9.090	1039.0	5.134	34.914	27.591	9.089
940.0	5.231	34.909	27.576	9.082	990.0	5.173	34.911	27.585	9.090	1040.0	5.134	34.913	27.591	9.090
941.0	5.231	34.909	27.576	9.083	991.0	5.172	34.911	27.585	9.092	1041.0	5.134	34.913	27.591	9.082
942.0	5.229	34.909	27.576	9.085	992.0	5.172	34.911	27.585	9.090	1042.0	5.132	34.913	27.591	9.091
943.0	5.226	34.909	27.577	9.079	993.0	5.167	34.911	27.586	9.092	1043.0	5.130	34.914	27.592	9.092
944.0	5.224	34.909	27.577	9.078	994.0	5.166	34.912	27.586	9.092	1044.0	5.130	34.914	27.592	9.093
945.0	5.225	34.909	27.577	9.082	995.0	5.166	34.911	27.586	9.090	1045.0	5.131	34.913	27.591	9.084
946.0	5.221	34.908	27.577	9.088	996.0	5.162	34.912	27.587	9.091	1046.0	5.129	34.914	27.592	9.091
947.0	5.218	34.910	27.578	9.085	997.0	5.161	34.912	27.587	9.090	1047.0	5.128	34.914	27.592	9.091
948.0	5.218	34.910	27.578	9.087	998.0	5.159	34.912	27.587	9.091	1048.0	5.129	34.914	27.592	9.092
949.0	5.222	34.909	27.577	9.086	999.0	5.156	34.912	27.587	9.092	1049.0	5.131	34.913	27.591	9.082
950.0	5.211	34.910	27.580	9.091	1000.0	5.157	34.912	27.588	9.092	1050.0	5.128	34.914	27.592	9.092

STATION SB025.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 07:35:39 1990, Julian day = 195
 LAT 27 19.77 LON 92 58.94 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

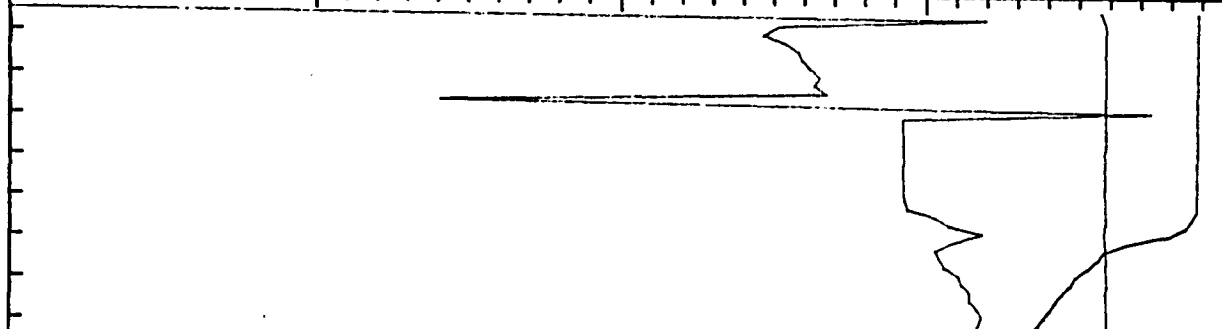
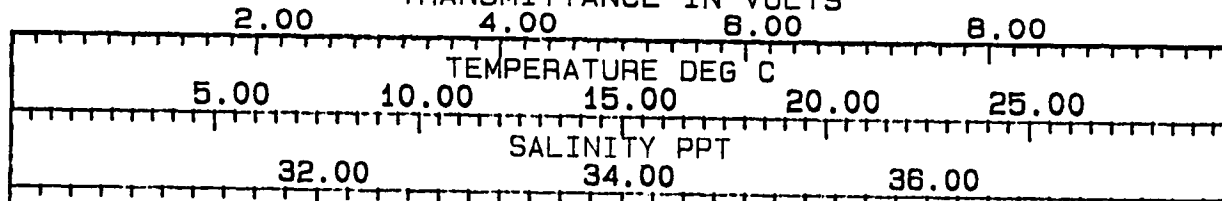
DEPTH	TEMP	SALT	SIGMA-T	χSM	DEPTH	TEMP	SALT	SIGMA-T	χSM	DEPTH	TEMP	SALT	SIGMA-T	χSM
1051.0	5.127	34.914	27.592	9.091	1101.0	5.109	34.914	27.595	9.092	1151.0	5.099	34.916	27.597	9.093
1052.0	5.128	34.914	27.592	9.085	1102.0	5.109	34.915	27.595	9.092	1152.0	5.099	34.916	27.597	9.092
1053.0	5.127	34.913	27.592	9.091	1103.0	5.109	34.914	27.595	9.092	1153.0	5.099	34.915	27.597	9.092
1054.0	5.126	34.914	27.592	9.092	1104.0	5.108	34.914	27.595	9.092	1154.0	5.099	34.915	27.596	9.090
1055.0	5.127	34.914	27.592	9.091	1105.0	5.108	34.914	27.595	9.092	1155.0	5.099	34.915	27.597	9.092
1056.0	5.127	34.914	27.592	9.087	1106.0	5.108	34.915	27.595	9.090	1156.0	5.099	34.916	27.597	9.092
1057.0	5.125	34.914	27.593	9.091	1107.0	5.108	34.914	27.595	9.091	1157.0	5.099	34.915	27.597	9.091
1058.0	5.126	34.914	27.592	9.091	1108.0	5.108	34.914	27.595	9.092	1158.0	5.100	34.915	27.597	9.088
1059.0	5.125	34.914	27.592	9.088	1109.0	5.107	34.915	27.595	9.093	1159.0	5.099	34.916	27.597	9.093
1060.0	5.125	34.914	27.593	9.089	1110.0	5.107	34.915	27.595	9.091	1160.0	5.099	34.916	27.597	9.092
1061.0	5.125	34.914	27.593	9.092	1111.0	5.107	34.914	27.595	9.092	1161.0	5.100	34.915	27.597	9.091
1062.0	5.125	34.914	27.593	9.089	1112.0	5.107	34.914	27.595	9.092	1162.0	5.100	34.915	27.597	9.086
1063.0	5.124	34.914	27.593	9.089	1113.0	5.107	34.915	27.595	9.092	1163.0	5.100	34.915	27.597	9.092
1064.0	5.124	34.914	27.593	9.091	1114.0	5.107	34.915	27.595	9.092	1164.0	5.100	34.915	27.597	9.091
1065.0	5.124	34.913	27.592	9.090	1115.0	5.107	34.914	27.595	9.092	1165.0	5.100	34.915	27.597	9.089
1066.0	5.123	34.914	27.593	9.088	1116.0	5.107	34.915	27.595	9.093	1166.0	5.100	34.915	27.596	9.090
1067.0	5.123	34.914	27.593	9.090	1117.0	5.107	34.915	27.595	9.092	1167.0	5.100	34.915	27.597	9.090
1068.0	5.123	34.914	27.593	9.092	1118.0	5.107	34.915	27.595	9.093	1168.0	5.100	34.915	27.597	9.092
1069.0	5.123	34.914	27.593	9.090	1119.0	5.106	34.915	27.595	9.093	1169.0	5.100	34.915	27.597	9.086
1070.0	5.122	34.914	27.593	9.090	1120.0	5.106	34.915	27.596	9.092	1170.0	5.100	34.915	27.597	9.090
1071.0	5.122	34.914	27.593	9.090	1121.0	5.105	34.915	27.596	9.092	1171.0	5.100	34.915	27.596	9.091
1072.0	5.121	34.914	27.593	9.091	1122.0	5.104	34.915	27.596	9.092	1172.0	5.100	34.915	27.596	9.091
1073.0	5.121	34.914	27.593	9.088	1123.0	5.104	34.915	27.596	9.090	1173.0	5.099	34.915	27.597	9.091
1074.0	5.121	34.914	27.593	9.092	1124.0	5.104	34.915	27.596	9.092	1174.0	5.099	34.915	27.597	9.092
1075.0	5.121	34.914	27.593	9.090	1125.0	5.104	34.915	27.596	9.091	1175.0	5.099	34.915	27.597	9.092
1076.0	5.121	34.914	27.593	9.090	1126.0	5.104	34.915	27.596	9.093	1176.0	5.099	34.915	27.597	9.091
1077.0	5.121	34.914	27.593	9.091	1127.0	5.104	34.915	27.596	9.092	1177.0	5.099	34.915	27.597	9.089
1078.0	5.120	34.914	27.593	9.090	1128.0	5.103	34.915	27.596	9.092	1178.0	5.098	34.915	27.597	9.090
1079.0	5.120	34.914	27.593	9.091	1129.0	5.103	34.915	27.596	9.093	1179.0	5.099	34.915	27.597	9.092
1080.0	5.120	34.914	27.593	9.091	1130.0	5.104	34.915	27.596	9.092	1180.0	5.099	34.915	27.597	9.092
1081.0	5.118	34.914	27.593	9.092	1131.0	5.103	34.915	27.596	9.092	1181.0	5.099	34.915	27.597	9.090
1082.0	5.118	34.914	27.594	9.092	1132.0	5.102	34.915	27.596	9.093	1182.0	5.099	34.915	27.597	9.090
1083.0	5.117	34.914	27.594	9.089	1133.0	5.102	34.915	27.596	9.092	1183.0	5.099	34.915	27.597	9.090
1084.0	5.118	34.914	27.593	9.090	1134.0	5.099	34.916	27.597	9.091	1184.0	5.099	34.915	27.597	9.084
1085.0	5.116	34.914	27.594	9.092	1135.0	5.099	34.916	27.597	9.092	1185.0	5.099	34.915	27.597	9.088
1086.0	5.115	34.914	27.594	9.092	1136.0	5.099	34.915	27.597	9.091	1186.0	5.099	34.915	27.597	9.089
1087.0	5.115	34.914	27.594	9.092	1137.0	5.099	34.915	27.596	9.091	1187.0	5.099	34.915	27.597	9.088
1088.0	5.115	34.914	27.594	9.092	1138.0	5.099	34.916	27.598	9.092	1188.0	5.099	34.915	27.597	9.083
1089.0	5.115	34.914	27.594	9.091	1139.0	5.099	34.915	27.597	9.092					
1090.0	5.114	34.914	27.594	9.092	1140.0	5.099	34.915	27.596	9.089					
1091.0	5.114	34.914	27.594	9.092	1141.0	5.099	34.915	27.597	9.093					
1092.0	5.114	34.914	27.594	9.089	1142.0	5.099	34.916	27.597	9.092					
1093.0	5.113	34.914	27.594	9.092	1143.0	5.099	34.915	27.597	9.092					
1094.0	5.112	34.914	27.594	9.091	1144.0	5.099	34.915	27.597	9.091					
1095.0	5.111	34.914	27.594	9.092	1145.0	5.099	34.916	27.597	9.092					
1096.0	5.111	34.914	27.594	9.092	1146.0	5.098	34.916	27.597	9.092					
1097.0	5.111	34.914	27.594	9.092	1147.0	5.099	34.916	27.597	9.092					
1098.0	5.111	34.914	27.594	9.091	1148.0	5.099	34.916	27.597	9.092					
1099.0	5.111	34.915	27.595	9.089	1149.0	5.099	34.915	27.597	9.091					
1100.0	5.110	34.914	27.594	9.093	1150.0	5.099	34.915	27.597	9.090					



tamu

CRUISE: 90g10 STATION: SB025.PL DATE: Jul 14 07:35:39 1990
LATITUDE: 27 19.77 LONGITUDE: 92 58.94
TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS



DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	29.129	34.576	22.220	8.918
3.0	29.129	36.388	23.066	8.944
4.0	29.128	35.025	22.043	8.961
5.0	29.129	34.922	21.965	8.960
6.0	29.129	35.065	22.073	8.960
7.0	29.129	35.154	22.139	8.957
8.0	29.125	35.179	22.159	8.960
9.0	29.125	35.228	22.196	8.960
10.0	29.124	35.299	22.249	8.960
11.0	29.125	35.261	22.220	8.958
12.0	29.125	35.340	22.280	8.960
13.0	29.126	32.812	20.383	8.961
14.0	29.120	37.462	23.876	8.960
15.0	29.125	35.847	22.661	8.961
16.0	29.125	35.848	22.661	8.960
17.0	29.125	35.849	22.662	8.961
18.0	29.126	35.849	22.662	8.960
19.0	29.126	35.849	22.662	8.949
20.0	29.125	35.852	22.665	8.956
21.0	29.126	35.850	22.662	8.955
22.0	29.126	35.852	22.664	8.956
23.0	29.127	35.853	22.664	8.956
24.0	29.127	35.851	22.663	8.952
25.0	29.124	35.863	22.673	8.962
26.0	29.120	35.877	22.685	8.960
27.0	28.991	36.060	22.866	8.963
28.0	28.859	36.154	22.980	8.959
29.0	28.437	36.372	23.285	8.951
30.0	27.423	36.186	23.477	8.959
31.0	26.854	36.062	23.567	8.964
32.0	26.708	36.088	23.633	8.968
33.0	26.470	36.120	23.732	8.962
34.0	26.163	36.210	23.897	8.969
35.0	26.037	36.233	23.954	8.970
36.0	25.832	36.286	24.059	8.965
37.0	25.677	36.285	24.106	8.970
38.0	25.540	36.335	24.187	8.968
39.0	25.393	36.367	24.256	8.974
40.0	25.232	36.344	24.288	8.972
41.0	25.052	36.321	24.326	8.975
42.0	24.975	36.300	24.333	8.970
43.0	24.821	36.261	24.351	8.974
44.0	24.727	36.251	24.372	8.971
45.0	24.600	36.225	24.391	8.969
46.0	24.449	36.203	24.420	8.968
47.0	23.980	36.158	24.526	8.969
48.0	23.721	36.189	24.626	8.971
49.0	23.624	36.207	24.669	8.970
50.0	23.493	36.216	24.714	8.975
51.0	23.426	36.230	24.744	8.974

DEPTH	TEMP	SALT	SIGMA-T	XSM
52.0	23.360	36.237	24.769	8.976
53.0	23.321	36.242	24.784	8.975
54.0	23.293	36.241	24.791	8.977
55.0	23.180	36.240	24.824	8.974
56.0	23.009	36.253	24.883	8.973
57.0	22.892	36.274	24.933	8.978

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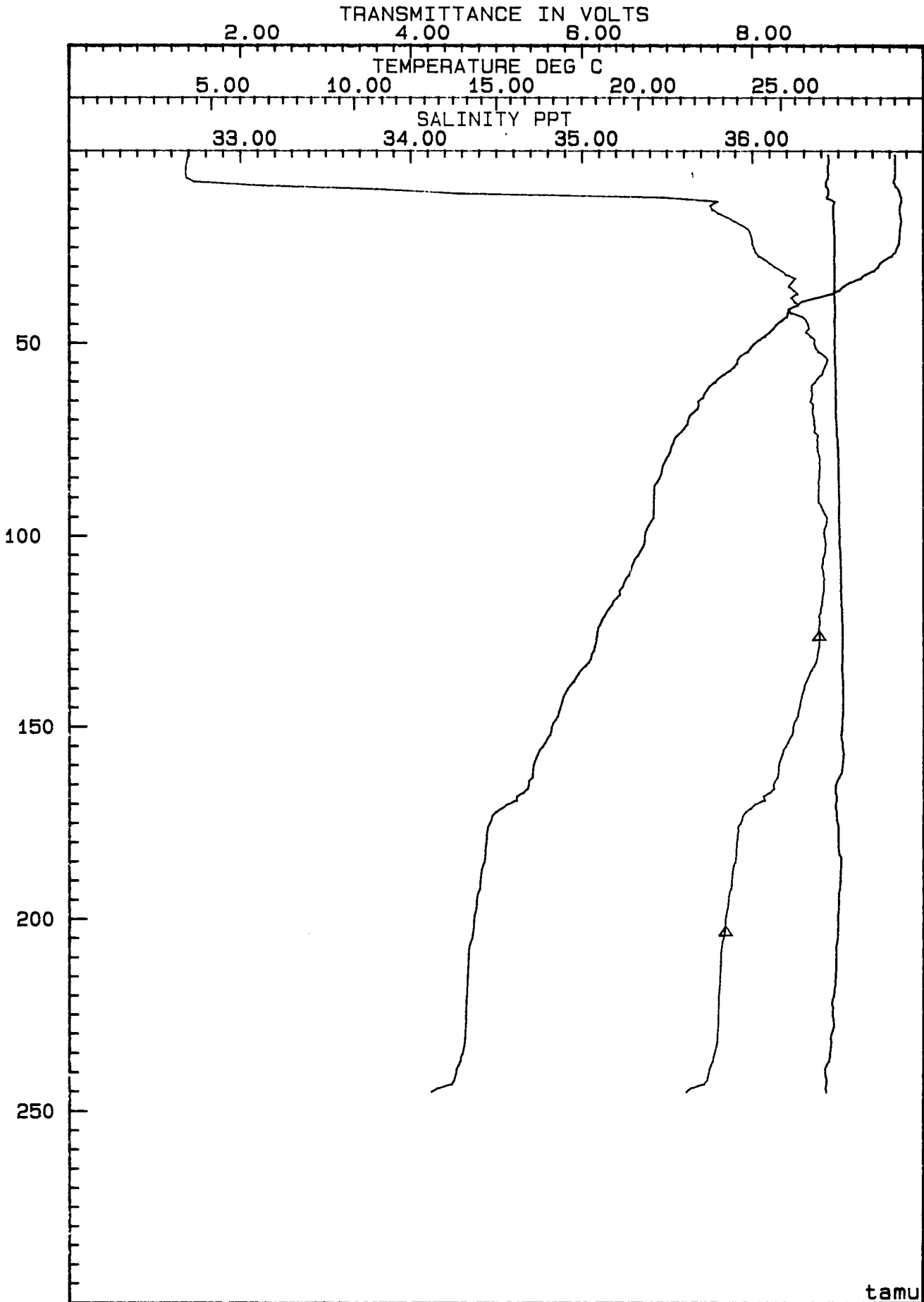
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 LATITUDE: 27 16.94 LONGITUDE: 92 58.24

STATION SE026.PL111: CPUISE 90gLU DATE & TIME Sat Jul 14 13:07:12 1990, Julian day = 195
 LAT 22 40.76 LON 93 00.12 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSIN	DEPTH	TEMP	SALT	SIGMA-T	XSIN	DEPTH	TEMP	SALT	SIGMA-T	XSIN
1.0	28.989	32.696	20.341	8.881	51.0	23.937	36.365	24.695	8.953	101.0	20.192	36.422	25.797	9.010
2.0	28.990	32.693	20.339	8.885	52.0	23.834	36.381	24.738	8.950	102.0	20.179	36.424	25.804	9.009
3.0	28.990	32.688	20.335	8.885	53.0	23.585	36.414	24.807	8.954	103.0	20.113	36.422	25.818	9.012
4.0	28.990	32.684	20.332	8.872	54.0	23.477	36.434	24.884	8.957	104.0	20.029	36.420	25.839	9.017
5.0	28.987	32.683	20.332	8.876	55.0	23.454	36.429	24.887	8.956	105.0	19.955	36.416	25.855	9.018
6.0	28.991	32.682	20.330	8.879	56.0	23.351	36.417	24.908	8.959	106.0	19.837	36.407	25.880	9.021
7.0	28.973	32.687	20.340	8.873	57.0	23.201	36.408	24.945	8.963	107.0	19.787	36.406	25.893	9.022
8.0	28.933	32.727	20.383	8.852	58.0	23.005	36.403	24.998	8.962	108.0	19.724	36.402	25.906	9.024
9.0	28.999	33.101	20.642	8.854	59.0	22.806	36.377	25.038	8.966	109.0	19.689	36.409	25.920	9.026
10.0	29.113	33.826	21.148	8.879	60.0	22.691	36.362	25.058	8.963	110.0	19.644	36.410	25.934	9.026
11.0	29.152	34.261	21.461	8.880	61.0	22.491	36.341	25.100	8.964	111.0	19.526	36.416	25.959	9.027
12.0	29.200	35.482	22.361	8.863	62.0	22.400	36.340	25.125	8.965	112.0	19.468	36.412	25.981	9.027
13.0	29.200	35.798	22.598	8.953	63.0	22.303	36.345	25.156	8.967	113.0	19.414	36.415	25.997	9.031
14.0	29.155	35.751	22.578	8.934	64.0	22.259	36.343	25.167	8.964	114.0	19.302	36.414	26.025	9.025
15.0	29.141	35.764	22.593	8.934	65.0	22.092	36.335	25.208	8.968	115.0	19.319	36.409	26.018	9.029
16.0	29.158	35.799	22.614	8.934	66.0	22.110	36.351	25.215	8.967	116.0	19.213	36.406	26.043	9.030
17.0	29.185	35.851	22.644	8.933	67.0	22.067	36.348	25.225	8.966	117.0	19.082	36.403	26.074	9.032
18.0	29.201	35.890	22.667	8.943	68.0	21.915	36.346	25.266	8.967	118.0	19.039	36.402	26.084	9.029
19.0	29.178	35.932	22.707	8.944	69.0	21.777	36.353	25.311	8.969	119.0	18.937	36.395	26.105	9.036
20.0	29.154	35.969	22.742	8.946	70.0	21.731	36.356	25.326	8.971	120.0	18.848	36.395	26.128	9.037
21.0	29.142	35.985	22.759	8.946	71.0	21.709	36.356	25.332	8.973	121.0	18.778	36.384	26.138	9.038
22.0	29.137	35.992	22.765	8.951	72.0	21.597	36.362	25.368	8.973	122.0	18.688	36.388	26.164	9.036
23.0	29.128	35.997	22.772	8.952	73.0	21.500	36.358	25.391	8.973	123.0	18.626	36.387	26.178	9.042
24.0	29.112	35.998	22.778	8.950	74.0	21.341	36.380	25.452	8.979	124.0	18.544	36.384	26.197	9.043
25.0	29.036	36.007	22.810	8.948	75.0	21.241	36.375	25.477	8.985	125.0	18.524	36.384	26.202	9.042
26.0	28.993	36.016	22.832	8.953	76.0	21.200	36.378	25.490	8.988	126.0	18.510	36.386	26.207	9.043
27.0	28.867	36.032	22.887	8.949	77.0	21.134	36.375	25.506	8.989	127.0	18.492	36.386	26.212	9.042
28.0	28.621	36.069	22.996	8.948	78.0	21.103	36.377	25.516	8.993	128.0	18.467	36.385	26.217	9.042
29.0	28.441	36.093	23.078	8.948	79.0	21.038	36.385	25.540	8.990	129.0	18.435	36.384	26.225	9.041
30.0	28.378	36.129	23.121	8.951	80.0	20.998	36.389	25.565	8.996	130.0	18.392	36.379	26.231	9.038
31.0	28.225	36.168	23.201	8.950	81.0	20.886	36.387	25.583	8.994	131.0	18.318	36.375	26.247	9.039
32.0	27.922	36.192	23.319	8.951	82.0	20.826	36.389	25.601	8.995	132.0	18.291	36.372	26.252	9.041
33.0	27.758	36.247	23.414	8.952	83.0	20.797	36.382	25.608	8.998	133.0	18.222	36.366	26.264	9.038
34.0	27.397	36.228	23.517	8.949	84.0	20.772	36.387	25.614	8.996	134.0	18.164	36.356	26.266	9.035
35.0	27.156	36.209	23.581	8.950	85.0	20.720	36.386	25.627	8.997	135.0	17.964	36.343	26.311	9.034
36.0	27.029	36.236	23.642	8.949	86.0	20.636	36.382	25.647	8.999	136.0	17.860	36.330	26.327	9.040
37.0	26.734	36.261	23.755	8.947	87.0	20.540	36.384	25.675	9.000	137.0	17.775	36.322	26.342	9.042
38.0	26.231	36.223	23.886	8.950	88.0	20.532	36.383	25.677	9.001	138.0	17.701	36.311	26.352	9.047
39.0	25.726	36.242	24.058	8.952	89.0	20.527	36.383	25.677	9.001	139.0	17.572	36.300	26.375	9.046
40.0	25.550	36.264	24.129	8.953	90.0	20.523	36.382	25.677	9.004	140.0	17.475	36.296	26.396	9.046
41.0	25.260	36.211	24.179	8.956	91.0	20.515	36.382	25.680	9.007	141.0	17.398	36.288	26.408	9.047
42.0	25.230	36.221	24.196	8.956	92.0	20.515	36.397	25.691	9.004	142.0	17.327	36.283	26.422	9.048
43.0	25.194	36.283	24.258	8.954	93.0	20.510	36.407	25.700	9.002	143.0	17.291	36.277	26.426	9.049
44.0	25.002	36.310	24.333	8.947	94.0	20.507	36.418	25.709	9.003	144.0	17.254	36.274	26.432	9.048
45.0	24.820	36.321	24.397	8.951	95.0	20.510	36.431	25.719	9.000	145.0	17.213	36.270	26.439	9.047
46.0	24.731	36.326	24.427	8.952	96.0	20.419	36.431	25.743	9.002	146.0	17.171	36.264	26.445	9.049
47.0	24.591	36.308	24.457	8.954	97.0	20.342	36.427	25.760	9.006	147.0	17.135	36.261	26.451	9.044
48.0	24.438	36.333	24.521	8.954	98.0	20.268	36.417	25.773	9.008	148.0	17.060	36.250	26.461	9.037
49.0	24.249	36.358	24.597	8.950	99.0	20.215	36.414	25.785	9.009	149.0	16.958	36.239	26.476	9.038
50.0	24.056	36.357	24.654	8.950	100.0	20.195	36.417	25.792	9.011	150.0	16.915	36.234	26.483	9.034

STATION 58026.PLT:: CRUISE 90g10 DATE & TIME Sat Jul 14 13:02:12 1990, Julian day = 195
 LAT 27 40.76 LON 93 00.17 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
151.0	16.898	36.232	26.486	9.031	201.0	14.192	35.839	26.795	8.990					
152.0	16.864	36.227	26.490	9.026	202.0	14.192	35.838	26.795	8.990					
153.0	16.787	36.215	26.504	9.030	203.0	14.184	35.837	26.796	8.989					
154.0	16.701	36.205	26.512	9.041	204.0	14.160	35.832	26.797	8.986					
155.0	16.608	36.193	26.525	9.044	205.0	14.136	35.829	26.811	8.984					
156.0	16.488	36.177	26.541	9.048	206.0	14.086	35.822	26.815	8.976					
157.0	16.470	36.171	26.550	9.053	207.0	14.046	35.818	26.811	8.969					
158.0	16.377	36.164	26.557	9.050	208.0	14.025	35.815	26.813	8.970					
159.0	16.319	36.156	26.564	9.046	209.0	14.016	35.813	26.813	8.969					
160.0	16.283	36.150	26.568	9.041	210.0	14.014	35.813	26.813	8.970					
161.0	16.256	36.149	26.572	9.036	211.0	14.009	35.813	26.814	8.969					
162.0	16.251	36.147	26.573	9.029	212.0	14.010	35.813	26.814	8.969					
163.0	16.243	36.144	26.573	9.001	213.0	14.000	35.811	26.814	8.968					
164.0	16.122	36.129	26.589	8.979	214.0	13.993	35.810	26.816	8.964					
165.0	16.116	36.119	26.583	8.965	215.0	13.989	35.808	26.815	8.963					
166.0	16.083	36.124	26.594	8.961	216.0	13.980	35.807	26.816	8.959					
167.0	15.942	36.103	26.610	8.961	217.0	13.979	35.807	26.816	8.958					
168.0	15.698	36.062	26.635	8.973	218.0	13.966	35.804	26.817	8.950					
169.0	15.694	36.070	26.642	8.973	219.0	13.962	35.804	26.818	8.947					
170.0	15.368	36.013	26.672	8.964	220.0	13.953	35.801	26.818	8.940					
171.0	15.171	35.992	26.695	8.965	221.0	13.947	35.801	26.819	8.925					
172.0	14.971	35.960	26.719	8.974	222.0	13.943	35.801	26.819	8.918					
173.0	14.844	35.942	26.734	8.973	223.0	13.935	35.800	26.820	8.931					
174.0	14.802	35.937	26.739	8.976	224.0	13.932	35.799	26.820	8.927					
175.0	14.756	35.929	26.743	8.987	225.0	13.930	35.799	26.820	8.930					
176.0	14.689	35.915	26.747	8.996	226.0	13.929	35.799	26.821	8.934					
177.0	14.668	35.917	26.753	8.994	227.0	13.928	35.799	26.821	8.941					
178.0	14.647	35.912	26.754	8.994	228.0	13.920	35.797	26.821	8.942					
179.0	14.640	35.910	26.754	8.994	229.0	13.910	35.795	26.822	8.930					
180.0	14.625	35.908	26.755	8.995	230.0	13.902	35.794	26.822	8.915					
181.0	14.609	35.905	26.757	8.996	231.0	13.894	35.793	26.823	8.904					
182.0	14.600	35.904	26.758	8.999	232.0	13.891	35.792	26.823	8.911					
183.0	14.599	35.903	26.758	9.005	233.0	13.869	35.788	26.825	8.909					
184.0	14.587	35.901	26.759	9.030	234.0	13.840	35.782	26.827	8.904					
185.0	14.565	35.898	26.761	9.026	235.0	13.811	35.776	26.828	8.898					
186.0	14.517	35.890	26.765	9.027	236.0	13.745	35.769	26.836	8.894					
187.0	14.477	35.885	26.770	9.023	237.0	13.735	35.767	26.837	8.887					
188.0	14.452	35.881	26.772	9.020	238.0	13.677	35.756	26.840	8.858					
189.0	14.440	35.879	26.774	9.018	239.0	13.600	35.747	26.850	8.841					
190.0	14.427	35.876	26.774	9.018	240.0	13.583	35.745	26.851	8.842					
191.0	14.424	35.876	26.774	9.013	241.0	13.550	35.738	26.852	8.850					
192.0	14.412	35.874	26.775	9.011	242.0	13.509	35.732	26.857	8.859					
193.0	14.357	35.864	26.780	9.001	243.0	13.436	35.716	26.859	8.853					
194.0	14.319	35.860	26.784	8.998	244.0	12.962	35.642	26.899	8.848					
195.0	14.307	35.858	26.785	8.998	245.0	12.714	35.612	26.926	8.854					
196.0	14.300	35.856	26.786	8.998										
197.0	14.297	35.854	26.787	8.998										
198.0	14.256	35.848	26.789	8.994										
199.0	14.221	35.843	26.793	8.988										
200.0	14.202	35.840	26.795	8.990										



CRUISE: 90g10 STATION: SB026.PL DATE: Jul 14 18:07:12 1990
LATITUDE: 27 40.76 LONGITUDE: 93 00.17
TRIANGLES DENOTE DISCRETE SAMPLES

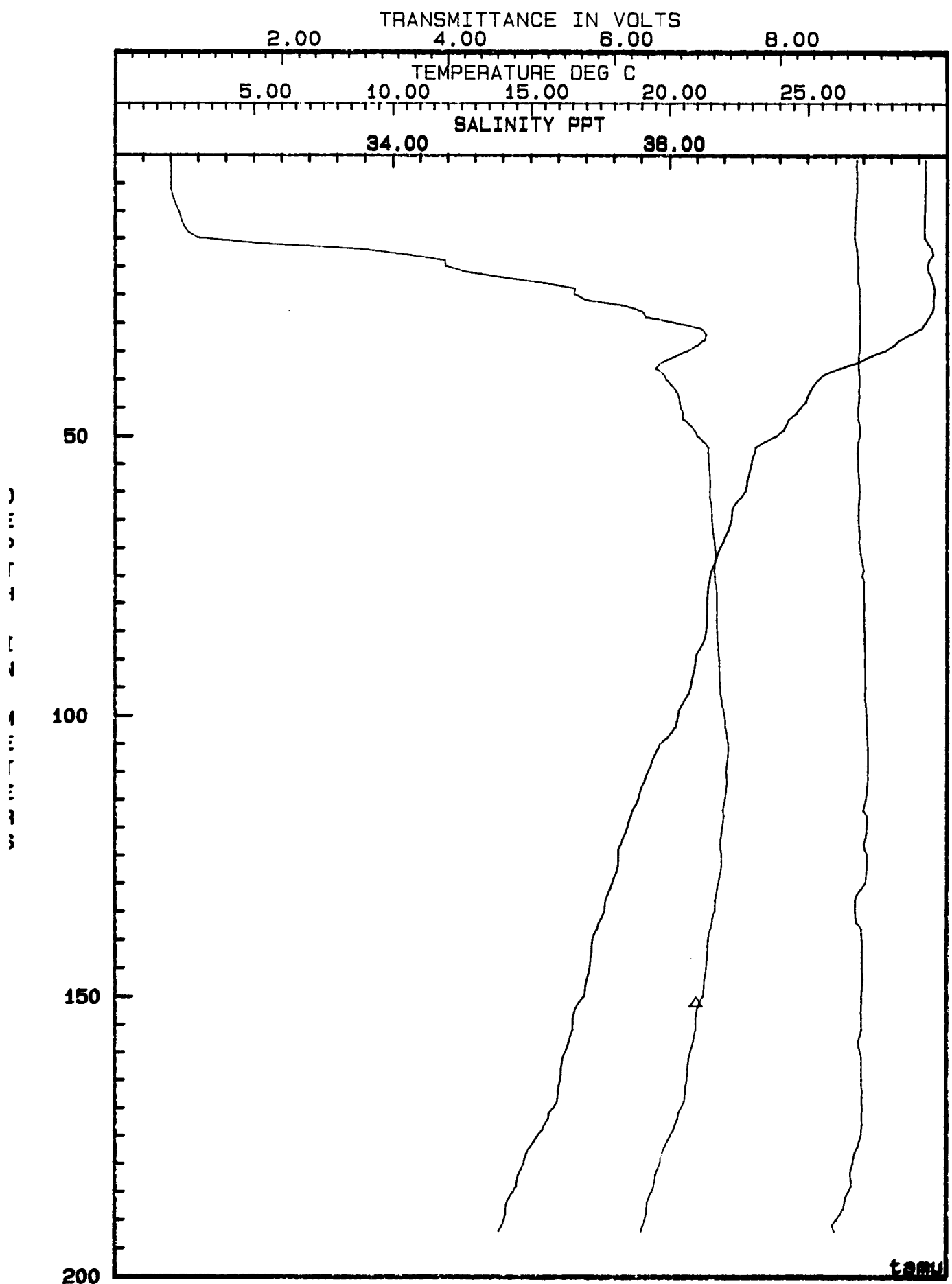
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STATION 59027.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 19:23:44 1990, Julian day = 195
 LAT 27 47.15 LON 93 00.12 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.182	32.399	20.055	8.910	51.0	23.434	36.238	24.748	8.920	101.0	20.228	36.396	25.768	9.018
2.0	29.180	32.400	20.056	8.900	52.0	23.084	36.273	24.877	8.913	102.0	20.184	36.397	25.780	9.017
3.0	29.181	32.400	20.056	8.909	53.0	23.046	36.271	24.986	8.909	103.0	20.019	36.406	25.831	9.022
4.0	29.181	32.399	20.055	8.906	54.0	22.967	36.276	24.913	8.914	104.0	19.868	36.410	25.874	9.026
5.0	29.181	32.399	20.055	8.909	55.0	22.932	36.277	24.924	8.916	105.0	19.617	36.417	25.946	9.028
6.0	29.182	32.398	20.054	8.907	56.0	22.883	36.281	24.941	8.917	106.0	19.530	36.419	25.970	9.031
7.0	29.175	32.406	20.062	8.904	57.0	22.834	36.285	24.958	8.923	107.0	19.414	36.415	25.998	9.033
8.0	29.170	32.420	20.074	8.899	58.0	22.777	36.287	24.976	8.928	108.0	19.324	36.411	26.018	9.031
9.0	29.167	32.435	20.087	8.897	59.0	22.759	36.287	24.981	8.931	109.0	19.271	36.406	26.028	9.031
10.0	29.162	32.454	20.103	8.890	60.0	22.715	36.285	24.993	8.934	110.0	19.167	36.401	26.051	9.031
11.0	29.155	32.468	20.115	8.886	61.0	22.576	36.284	25.032	8.932	111.0	19.092	36.406	26.074	9.032
12.0	29.148	32.478	20.125	8.882	62.0	22.363	36.294	25.100	8.926	112.0	19.025	36.409	26.094	9.032
13.0	29.142	32.496	20.140	8.878	63.0	22.250	36.300	25.136	8.924	113.0	18.923	36.402	26.114	9.023
14.0	29.138	32.525	20.164	8.877	64.0	22.230	36.300	25.143	8.921	114.0	18.866	36.399	26.127	9.020
15.0	29.160	32.591	20.206	8.875	65.0	22.215	36.300	25.147	8.922	115.0	18.816	36.394	26.136	9.009
16.0	29.277	33.039	20.503	8.888	66.0	22.153	36.304	25.167	8.927	116.0	18.732	36.385	26.150	8.993
17.0	29.427	33.756	20.990	8.906	67.0	22.094	36.307	25.187	8.932	117.0	18.608	36.378	26.176	8.977
18.0	29.463	34.104	21.239	8.909	68.0	21.985	36.312	25.221	8.935	118.0	18.553	36.386	26.196	9.019
19.0	29.312	34.374	21.492	8.917	69.0	21.913	36.319	25.246	8.930	119.0	18.476	36.379	26.210	9.026
20.0	29.264	34.378	21.511	8.922	70.0	21.788	36.321	25.283	8.944	120.0	18.430	36.373	26.218	9.018
21.0	29.297	34.520	21.607	8.917	71.0	21.723	36.325	25.304	8.948	121.0	18.356	36.367	26.232	9.015
22.0	29.396	34.789	21.775	8.917	72.0	21.646	36.324	25.325	8.962	122.0	18.264	36.362	26.251	9.003
23.0	29.461	35.080	21.972	8.922	73.0	21.581	36.320	25.340	8.973	123.0	18.198	36.358	26.264	8.984
24.0	29.510	35.307	22.125	8.937	74.0	21.480	36.316	25.365	8.986	124.0	18.096	36.361	26.292	8.994
25.0	29.507	35.304	22.124	8.935	75.0	21.438	36.320	25.380	8.969	125.0	18.098	36.368	26.296	9.021
26.0	29.480	35.386	22.195	8.934	76.0	21.403	36.321	25.390	8.991	126.0	18.092	36.368	26.298	9.021
27.0	29.487	35.668	22.404	8.938	77.0	21.364	36.331	25.409	8.988	127.0	18.082	36.366	26.299	9.020
28.0	29.435	35.797	22.518	8.943	78.0	21.344	36.333	25.416	8.987	128.0	18.034	36.360	26.307	9.014
29.0	29.319	35.820	22.575	8.942	79.0	21.331	36.334	25.421	8.988	129.0	17.945	36.352	26.323	9.009
30.0	29.177	36.040	22.788	8.943	80.0	21.323	36.335	25.423	8.990	130.0	17.877	36.344	26.333	9.001
31.0	29.051	36.218	22.964	8.938	81.0	21.321	36.334	25.424	8.989	131.0	17.798	36.337	26.348	8.954
32.0	28.651	36.259	23.129	8.939	82.0	21.320	36.334	25.424	8.987	132.0	17.713	36.328	26.362	8.899
33.0	28.270	36.249	23.247	8.940	83.0	21.318	36.334	25.424	8.990	133.0	17.635	36.321	26.376	8.878
34.0	28.039	36.192	23.281	8.936	84.0	21.313	36.335	25.426	8.987	134.0	17.612	36.320	26.380	8.879
35.0	27.705	36.120	23.336	8.933	85.0	21.289	36.337	25.434	8.994	135.0	17.597	36.318	26.383	8.879
36.0	27.129	36.023	23.449	8.924	86.0	21.248	36.339	25.447	8.994	136.0	17.503	36.303	26.394	8.886
37.0	26.739	35.930	23.504	8.923	87.0	21.180	36.341	25.468	8.993	137.0	17.392	36.298	26.417	8.899
38.0	26.090	35.891	23.680	8.925	88.0	21.075	36.346	25.500	8.998	138.0	17.338	36.290	26.424	8.953
39.0	25.576	35.946	23.882	8.930	89.0	20.941	36.347	25.537	9.000	139.0	17.227	36.276	26.441	8.955
40.0	25.318	35.970	23.979	8.933	90.0	20.905	36.352	25.551	8.995	140.0	17.163	36.271	26.452	8.962
41.0	25.172	36.003	24.049	8.933	91.0	20.885	36.353	25.557	8.995	141.0	17.140	36.268	26.455	8.967
42.0	25.045	36.039	24.115	8.927	92.0	20.851	36.353	25.566	9.001	142.0	17.137	36.268	26.456	8.964
43.0	24.942	36.057	24.160	8.931	93.0	20.796	36.355	25.583	9.000	143.0	17.104	36.263	26.460	8.964
44.0	24.879	36.065	24.186	8.925	94.0	20.759	36.357	25.595	9.000	144.0	17.084	36.260	26.463	8.964
45.0	24.689	36.073	24.249	8.916	95.0	20.729	36.359	25.604	9.005	145.0	17.063	36.258	26.466	8.965
46.0	24.532	36.088	24.307	8.917	96.0	20.667	36.360	25.622	8.997	146.0	17.025	36.253	26.472	8.968
47.0	24.282	36.088	24.383	8.917	97.0	20.526	36.369	25.667	8.998	147.0	16.960	36.244	26.480	8.973
48.0	24.179	36.136	24.450	8.931	98.0	20.422	36.372	25.698	9.006	148.0	16.918	36.242	26.489	8.971
49.0	24.086	36.172	24.505	8.940	99.0	20.307	36.384	25.737	9.012	149.0	16.892	36.239	26.493	8.964
50.0	23.837	36.194	24.585	8.934	100.0	20.221	36.390	25.751	9.014	150.0	16.874	36.235	26.493	9.957

STATION S9027.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 19:23:44 1990, Julian day = 195
 LAT 27 47.15 LON 93 00.12 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
151.0	16.697	36.212	26.519	8.960										
152.0	16.576	36.196	26.534	8.955										
153.0	16.505	36.187	26.544	8.952										
154.0	16.462	36.183	26.551	8.958										
155.0	16.460	36.182	26.551	8.959										
156.0	16.462	36.181	26.550	8.961										
157.0	16.386	36.171	26.560	8.945										
158.0	16.332	36.164	26.567	8.921										
159.0	16.272	36.154	26.573	8.925										
160.0	16.195	36.143	26.583	8.941										
161.0	16.102	36.131	26.595	8.958										
162.0	16.076	36.127	26.598	8.961										
163.0	16.042	36.121	26.602	8.959										
164.0	16.033	36.120	26.603	8.959										
165.0	16.017	36.117	26.604	8.961										
166.0	15.962	36.109	26.610	8.961										
167.0	15.934	36.104	26.614	8.968										
168.0	15.928	36.103	26.614	8.965										
169.0	15.892	36.097	26.618	8.964										
170.0	15.773	36.074	26.627	8.969										
171.0	15.607	36.057	26.652	8.963										
172.0	15.581	36.050	26.652	8.963										
173.0	15.457	36.032	26.667	8.969										
174.0	15.367	36.019	26.677	8.956										
175.0	15.213	35.996	26.694	8.954										
176.0	15.076	35.976	26.709	8.932										
177.0	14.947	35.957	26.723	8.916										
178.0	14.817	35.938	26.737	8.880										
179.0	14.749	35.927	26.743	8.866										
180.0	14.708	35.921	26.748	8.855										
181.0	14.622	35.907	26.755	8.835										
182.0	14.510	35.889	26.766	8.825										
183.0	14.475	35.884	26.770	8.836										
184.0	14.441	35.879	26.772	8.837										
185.0	14.337	35.864	26.784	8.806										
186.0	14.195	35.842	26.797	8.771										
187.0	14.099	35.830	26.809	8.757										
188.0	14.069	35.824	26.810	8.743										
189.0	14.057	35.822	26.811	8.707										
190.0	14.010	35.812	26.813	8.660										
191.0	13.933	35.799	26.820	8.607										
192.0	13.809	35.784	26.834	8.634										



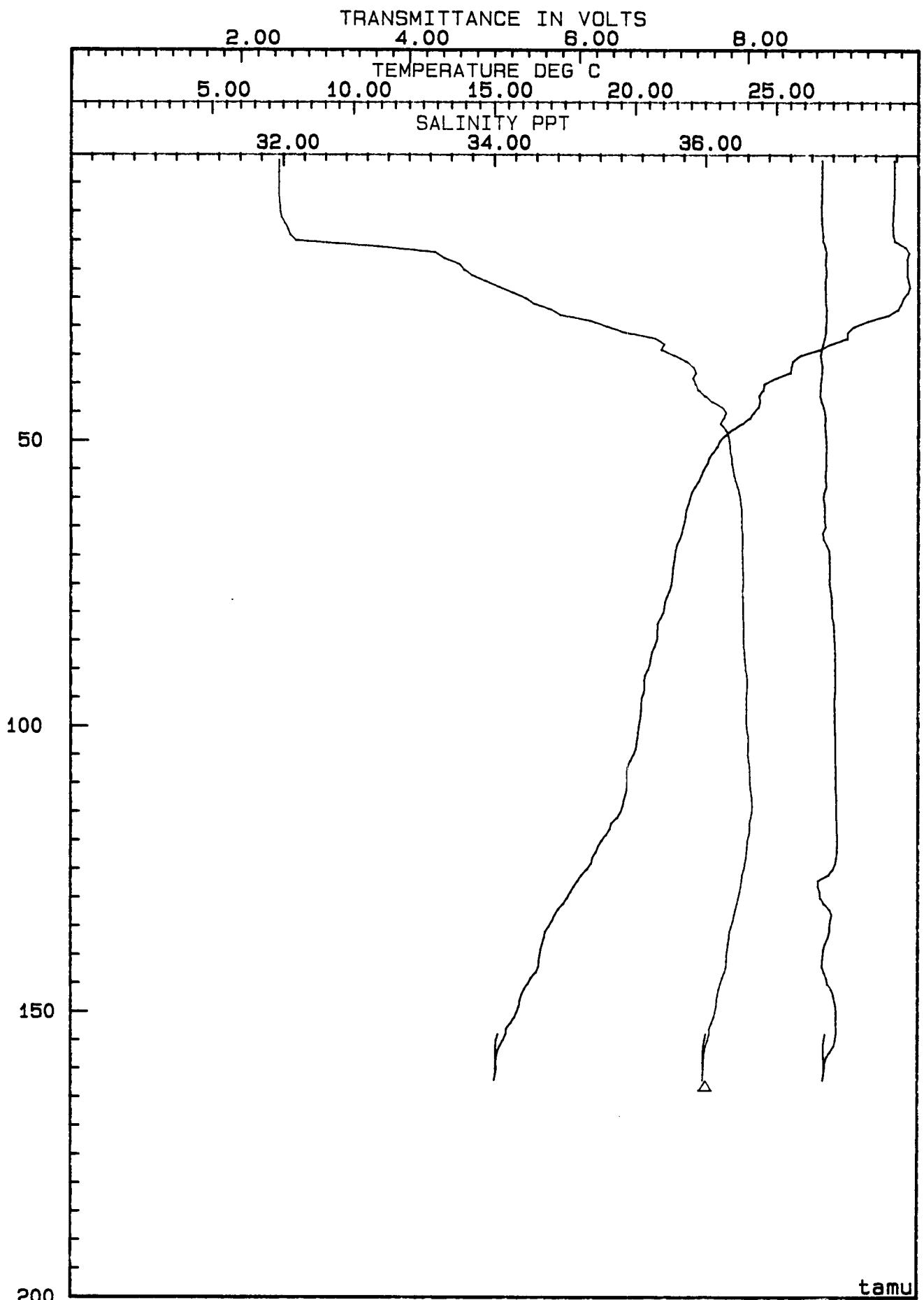
CRUISE: 90g10 STATION: SB027.PL DATE: Jul 14 19: 23: 44 1990
LATITUDE: 27 47.15 LONGITUDE: 93 00.12
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB028.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 20:31:53 1990, Julian day = 195
 LAT 27 53.53 LON 93 00.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.145	31.959	19.737	8.867	51.0	22.917	36.228	24.891	8.914	101.0	20.092	36.392	25.801	9.018
2.0	29.146	31.958	19.736	8.865	52.0	22.773	36.232	24.936	8.913	102.0	20.074	36.401	25.812	9.022
3.0	29.147	31.958	19.736	8.865	53.0	22.617	36.244	24.990	8.911	103.0	20.038	36.399	25.821	9.021
4.0	29.147	31.958	19.736	8.866	54.0	22.553	36.248	25.010	8.913	104.0	20.010	36.399	25.828	9.022
5.0	29.147	31.958	19.736	8.861	55.0	22.432	36.259	25.054	8.911	105.0	19.937	36.397	25.846	9.021
6.0	29.148	31.958	19.735	8.864	56.0	22.344	36.268	25.086	8.904	106.0	19.822	36.403	25.881	9.023
7.0	29.145	31.958	19.737	8.858	57.0	22.265	36.281	25.119	8.907	107.0	19.720	36.410	25.914	9.027
8.0	29.131	31.962	19.744	8.860	58.0	22.124	36.299	25.171	8.916	108.0	19.699	36.415	25.923	9.028
9.0	29.119	31.967	19.752	8.854	59.0	22.005	36.314	25.218	8.891	109.0	19.709	36.416	25.920	9.027
10.0	29.112	31.971	19.756	8.855	60.0	21.944	36.326	25.243	8.881	110.0	19.705	36.418	25.923	9.028
11.0	29.101	31.980	19.768	8.857	61.0	21.887	36.332	25.264	8.894	111.0	19.689	36.423	25.931	9.028
12.0	29.086	32.011	19.796	8.860	62.0	21.811	36.340	25.291	8.898	112.0	19.643	36.431	25.949	9.033
13.0	29.098	32.042	19.814	8.869	63.0	21.786	36.342	25.300	8.895	113.0	19.584	36.437	25.969	9.036
14.0	29.113	32.062	19.825	8.874	64.0	21.754	36.341	25.308	8.897	114.0	19.544	36.439	25.982	9.036
15.0	29.157	32.118	19.852	8.872	65.0	21.699	36.339	25.322	8.909	115.0	19.473	36.436	25.998	9.036
16.0	29.541	32.887	20.300	8.899	66.0	21.653	36.347	25.341	8.874	116.0	19.358	36.425	26.020	9.037
17.0	29.679	33.438	20.667	8.913	67.0	21.585	36.349	25.361	8.884	117.0	19.142	36.413	26.066	9.040
18.0	29.606	33.526	20.757	8.909	68.0	21.486	36.346	25.387	8.918	118.0	19.091	36.415	26.082	9.041
19.0	29.618	33.665	20.853	8.902	69.0	21.431	36.344	25.400	8.950	119.0	18.966	36.410	26.109	9.045
20.0	29.689	33.713	20.896	8.912	70.0	21.405	36.347	25.409	8.955	120.0	18.796	36.394	26.141	9.047
21.0	29.613	33.785	20.959	8.912	71.0	21.378	36.351	25.420	8.953	121.0	18.671	36.392	26.171	9.046
22.0	29.655	33.911	21.029	8.902	72.0	21.336	36.351	25.432	8.959	122.0	18.594	36.387	26.187	9.043
23.0	29.785	34.033	21.134	8.902	73.0	21.326	36.357	25.436	8.952	123.0	18.468	36.382	26.215	9.035
24.0	29.624	34.166	21.231	8.906	74.0	21.304	36.355	25.444	8.954	124.0	18.424	36.372	26.218	9.025
25.0	29.458	34.259	21.376	8.906	75.0	21.278	36.353	25.450	8.957	125.0	18.282	36.363	26.247	8.996
26.0	29.338	34.370	21.464	8.909	76.0	21.217	36.350	25.463	8.969	126.0	18.089	36.345	26.282	8.944
27.0	29.274	34.525	21.613	8.917	77.0	21.131	36.350	25.488	8.978	127.0	17.959	36.340	26.310	8.821
28.0	29.238	34.617	21.801	8.913	78.0	21.054	36.352	25.510	8.984	128.0	17.810	36.333	26.342	8.819
29.0	29.248	34.898	22.239	8.916	79.0	21.028	36.353	25.518	8.983	129.0	17.690	36.324	26.364	8.842
30.0	27.719	35.062	22.535	8.910	80.0	20.999	36.354	25.527	8.986	130.0	17.577	36.310	26.382	8.848
31.0	27.486	35.227	22.734	8.909	81.0	20.903	36.353	25.552	8.987	131.0	17.442	36.298	26.405	8.887
32.0	27.485	35.520	22.956	8.893	82.0	20.787	36.358	25.588	9.003	132.0	17.256	36.283	26.438	8.954
33.0	26.911	35.607	23.206	8.875	83.0	20.779	36.358	25.590	9.007	133.0	17.132	36.270	26.459	8.980
34.0	26.508	35.576	23.310	8.860	84.0	20.776	36.357	25.590	9.008	134.0	17.041	36.259	26.473	8.964
35.0	25.841	35.701	23.614	8.848	85.0	20.752	36.356	25.596	9.012	135.0	16.928	36.243	26.487	8.955
36.0	25.564	35.813	23.784	8.856	86.0	20.679	36.358	25.617	9.014	136.0	16.791	36.225	26.506	8.954
37.0	25.516	35.883	23.852	8.868	87.0	20.583	36.364	25.647	9.018	137.0	16.750	36.220	26.512	8.935
38.0	25.483	35.909	23.882	8.863	88.0	20.541	36.367	25.661	9.017	138.0	16.698	36.212	26.518	8.905
39.0	24.968	35.880	24.019	8.857	89.0	20.511	36.374	25.675	9.017	139.0	16.635	36.204	26.527	8.884
40.0	24.569	35.901	24.155	8.849	90.0	20.445	36.376	25.694	9.017	140.0	16.600	36.199	26.531	8.875
41.0	24.539	35.928	24.184	8.847	91.0	20.339	36.385	25.730	9.018	141.0	16.569	36.196	26.536	8.870
42.0	24.385	35.992	24.279	8.842	92.0	20.308	36.391	25.742	9.019	142.0	16.558	36.194	26.537	8.865
43.0	24.417	36.058	24.320	8.857	93.0	20.316	36.389	25.739	9.017	143.0	16.495	36.179	26.543	8.890
44.0	24.359	36.158	24.412	8.882	94.0	20.296	36.388	25.743	9.016	144.0	16.302	36.157	26.569	8.917
45.0	24.201	36.192	24.436	8.896	95.0	20.221	36.382	25.759	9.011	145.0	16.193	36.141	26.582	8.929
46.0	24.065	36.170	24.510	8.904	96.0	20.197	36.383	25.766	9.010	146.0	16.056	36.123	26.600	8.976
47.0	23.800	36.138	24.564	8.899	97.0	20.193	36.382	25.767	9.011	147.0	15.971	36.114	26.613	9.000
48.0	23.460	36.186	24.701	8.903	98.0	20.185	36.382	25.768	9.012	148.0	15.907	36.105	26.621	9.012
49.0	23.195	36.212	24.798	8.907	99.0	20.152	36.381	25.777	9.012	149.0	15.878	36.102	26.625	9.029
50.0	22.997	36.224	24.865	8.912	100.0	20.117	36.385	25.789	9.016	150.0	15.807	36.090	26.631	9.033

STATION SB028.PLT CRUISE P0g10 DATE & TIME Sat Jul 14 20:31:53 1990, Julian day = 195
 LAT 27 53.93 LON 93 00.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

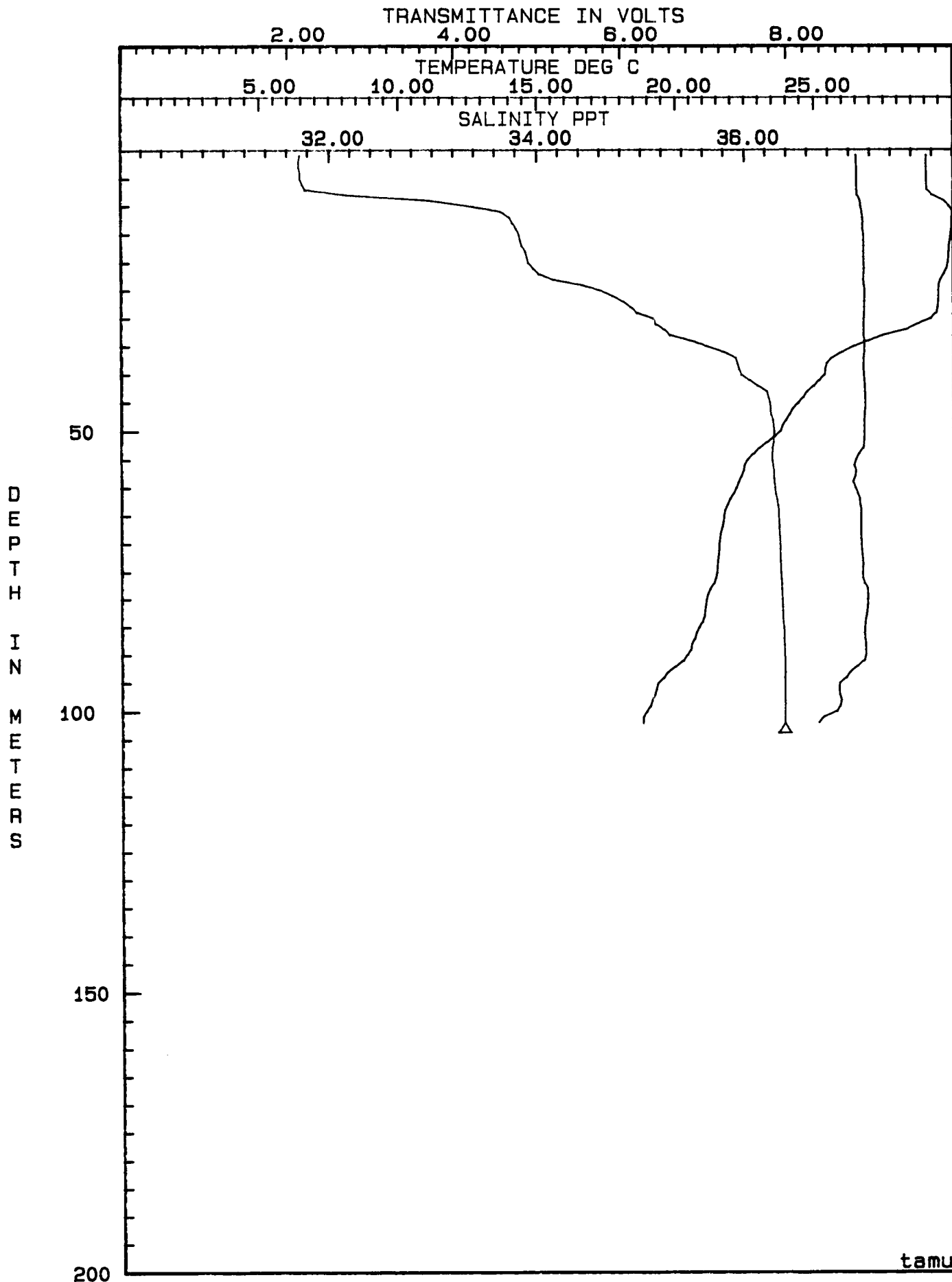
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
151.0	15.725	36.078	26.641	9.032										
152.0	15.592	36.058	26.656	9.033										
153.0	15.434	36.037	26.676	9.037										
154.0	15.415	36.035	26.679	9.033										
155.0	15.324	36.020	26.688	9.024										
156.0	15.213	36.003	26.699	9.007										
157.0	15.126	35.990	26.709	8.969										
158.0	15.082	35.984	26.714	8.922										
159.0	15.058	35.980	26.716	8.904										
160.0	15.048	35.979	26.717	8.897										
161.0	15.037	35.976	26.718	8.889										
162.0	15.012	35.973	26.721	8.877										
161.0	15.059	35.980	26.716	8.893										
160.0	15.087	35.978	26.708	8.893										
159.0	15.065	35.976	26.711	8.893										
158.0	15.057	35.978	26.714	8.887										
157.0	15.057	35.979	26.715	8.886										
156.0	15.061	35.981	26.716	8.886										
155.0	15.079	35.992	26.721	8.892										
154.0	15.144	36.003	26.714	8.906										



CRUISE: 90g10 STATION: SB028.PL DATE: Jul 14 20: 31: 53 1990
LATITUDE: 27 53.53 LONGITUDE: 93 00.05
TRIANGLES DENOTE DISCRETE SAMPLES

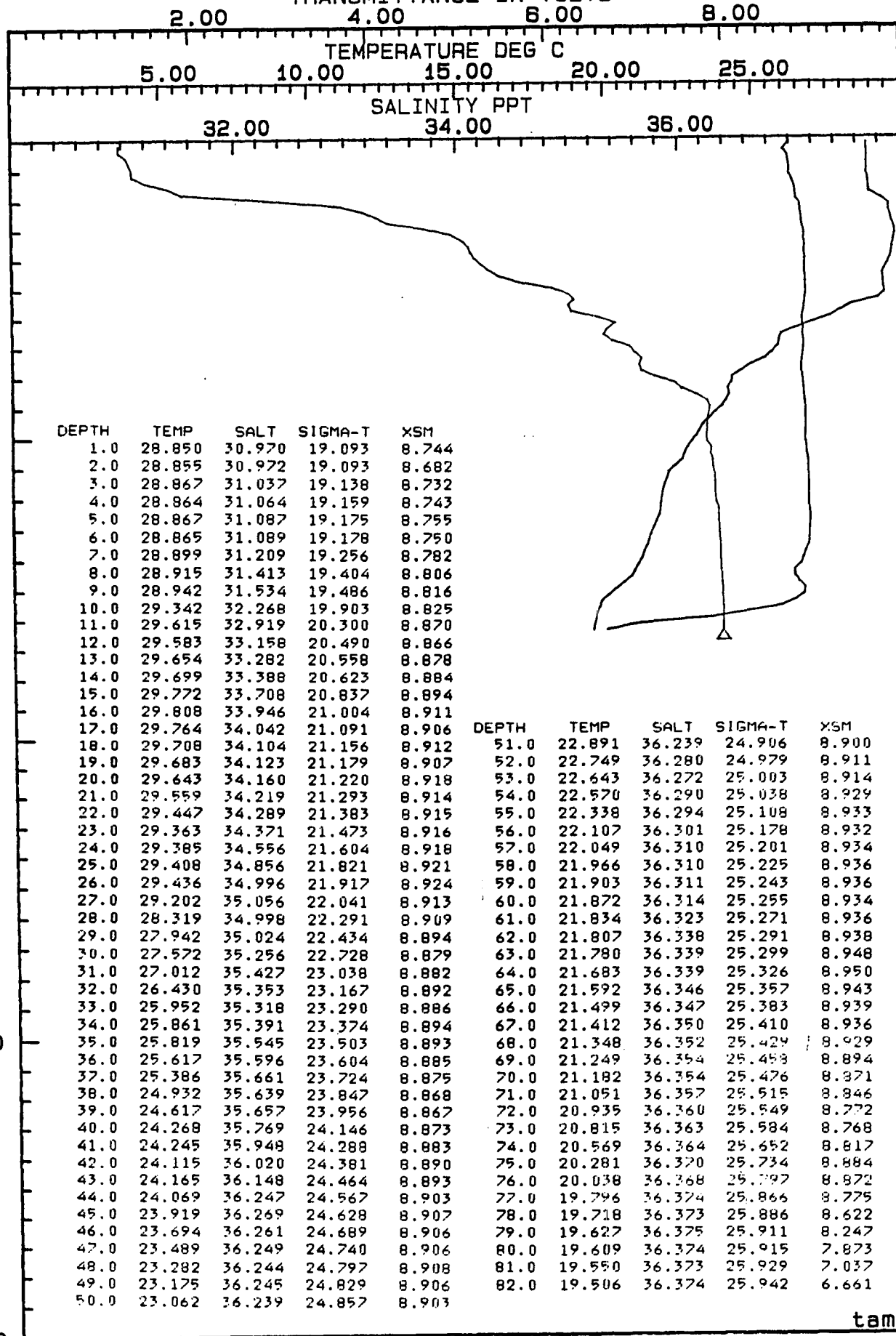
STATION 55029.PLT CRUISE 90g10 DATE & TIME Sat Jul 14 01:32:37 1990, Julian day = 195
 LAT 27 59.48 LON 93 00.95 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.023	31.716	19.596	8.833	51.0	23.558	36.223	24.739	8.925	101.0	18.767	36.371	26.130	8.430
2.0	29.015	31.705	19.590	8.834	52.0	23.297	36.223	24.815	8.919	102.0	18.754	36.370	26.134	8.367
3.0	29.017	31.706	19.590	8.838	53.0	23.023	36.262	24.886	8.913					
4.0	29.025	31.720	19.598	8.840	54.0	22.801	36.259	24.948	8.861					
5.0	29.023	31.718	19.597	8.838	55.0	22.591	36.258	25.008	8.824					
6.0	29.031	31.738	19.610	8.836	56.0	22.472	36.267	25.048	8.803					
7.0	29.042	31.765	19.626	8.839	57.0	22.443	36.275	25.063	8.827					
8.0	29.227	32.168	19.866	8.843	58.0	22.354	36.276	25.089	8.812					
9.0	29.636	32.943	20.311	8.876	59.0	22.267	36.280	25.116	8.789					
10.0	29.837	33.336	20.537	8.885	60.0	22.181	36.285	25.145	8.814					
11.0	29.967	33.644	20.724	8.898	61.0	22.088	36.291	25.176	8.845					
12.0	29.948	33.734	20.797	8.908	62.0	21.950	36.303	25.224	8.867					
13.0	29.942	33.763	20.821	8.911	63.0	21.862	36.312	25.255	8.872					
14.0	29.935	33.799	20.851	8.906	64.0	21.760	36.320	25.290	8.885					
15.0	29.903	33.826	20.882	8.917	65.0	21.727	36.321	25.300	8.881					
16.0	29.884	33.836	20.896	8.920	66.0	21.702	36.323	25.308	8.880					
17.0	29.846	33.851	20.920	8.920	67.0	21.662	36.324	25.321	8.880					
18.0	29.832	33.887	20.951	8.920	68.0	21.604	36.328	25.340	8.878					
19.0	29.821	33.900	20.965	8.919	69.0	21.574	36.330	25.350	8.884					
20.0	29.798	33.914	20.984	8.922	70.0	21.549	36.331	25.358	8.889					
21.0	29.758	33.960	21.031	8.925	71.0	21.539	36.332	25.361	8.891					
22.0	29.662	34.012	21.103	8.922	72.0	21.522	36.334	25.367	8.897					
23.0	29.539	34.147	21.245	8.916	73.0	21.498	36.336	25.375	8.904					
24.0	29.470	34.428	21.479	8.925	74.0	21.476	36.337	25.382	8.905					
25.0	29.460	34.604	21.615	8.932	75.0	21.460	36.339	25.388	8.901					
26.0	29.457	34.720	21.703	8.931	76.0	21.420	36.343	25.403	8.903					
27.0	29.446	34.821	21.782	8.928	77.0	21.360	36.347	25.422	8.922					
28.0	29.427	34.897	21.846	8.928	78.0	21.214	36.347	25.462	8.958					
29.0	29.393	34.955	21.901	8.926	79.0	21.135	36.350	25.486	8.961					
30.0	29.177	35.116	22.094	8.922	80.0	21.079	36.352	25.503	8.959					
31.0	28.712	35.135	22.264	8.920	81.0	21.044	36.354	25.514	8.957					
32.0	28.293	35.221	22.468	8.920	82.0	21.015	36.354	25.523	8.949					
33.0	27.500	35.274	22.766	8.918	83.0	20.986	36.354	25.531	8.936					
34.0	26.939	35.483	23.103	8.928	84.0	20.924	36.357	25.550	8.925					
35.0	26.403	35.639	23.391	8.929	85.0	20.804	36.362	25.586	8.919					
36.0	25.988	35.798	23.641	8.928	86.0	20.708	36.365	25.614	8.914					
37.0	25.635	35.911	23.837	8.919	87.0	20.647	36.362	25.629	8.919					
38.0	25.435	35.928	23.911	8.917	88.0	20.523	36.368	25.667	8.929					
39.0	25.383	35.944	23.939	8.918	89.0	20.497	36.368	25.674	8.929					
40.0	25.361	35.964	23.961	8.923	90.0	20.365	36.371	25.712	8.930					
41.0	25.171	36.042	24.078	8.930	91.0	20.231	36.373	25.750	8.911					
42.0	24.975	36.123	24.199	8.931	92.0	19.945	36.372	25.824	8.827					
43.0	24.735	36.211	24.339	8.935	93.0	19.653	36.373	25.903	8.741					
44.0	24.597	36.224	24.391	8.937	94.0	19.514	36.369	25.937	8.696					
45.0	24.426	36.240	24.454	8.938	95.0	19.300	36.372	25.994	8.615					
46.0	24.217	36.245	24.521	8.935	96.0	19.243	36.371	26.008	8.607					
47.0	24.110	36.247	24.555	8.928	97.0	19.188	36.370	26.021	8.615					
48.0	23.975	36.267	24.610	8.925	98.0	19.096	36.372	26.047	8.635					
49.0	23.849	36.272	24.652	8.926	99.0	19.027	36.372	26.065	8.621					
50.0	23.780	36.279	24.677	8.925	100.0	18.893	36.370	26.098	8.582					



CRUISE: 90g10 STATION: SB029.PL DATE: Jul 14 21: 32: 37 1980
LATITUDE: 27 59.48 LONGITUDE: 93 00.05
TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS



tamu

CRUISE: 90g10 STATION: SB030.PL DATE: Jul 14 22:48:34 1990
 LATITUDE: 28 08.03 LONGITUDE: 93 00.63
 TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

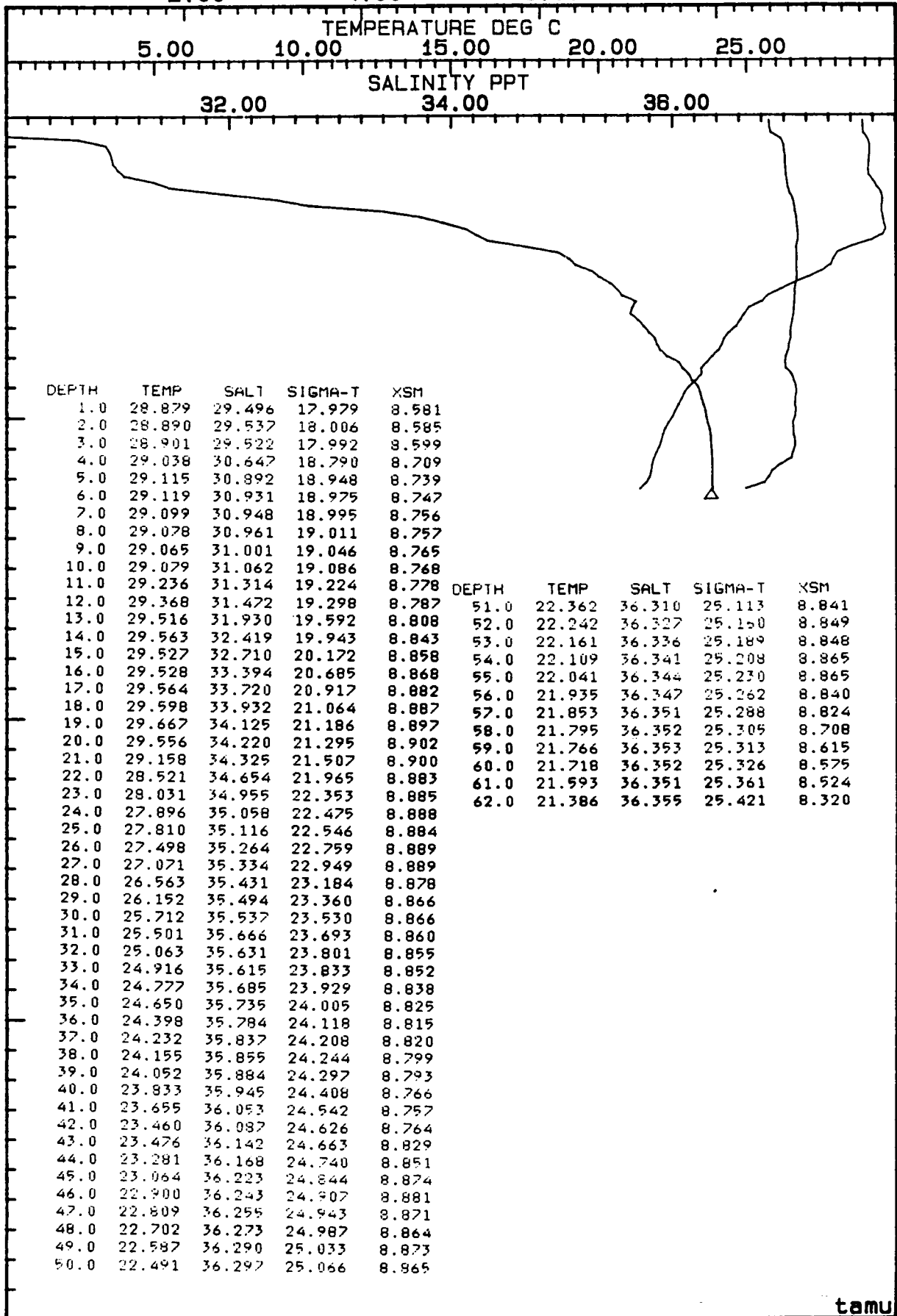
TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

32.00 34.00 36.00

DEPTH IN METERS



DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	28.879	29.496	17.979	8.581
2.0	28.890	29.537	18.006	8.585
3.0	28.901	29.522	17.992	8.599
4.0	29.038	30.647	18.790	8.709
5.0	29.115	30.892	18.948	8.739
6.0	29.119	30.931	18.975	8.747
7.0	29.099	30.948	18.995	8.756
8.0	29.078	30.961	19.011	8.757
9.0	29.065	31.001	19.046	8.765
10.0	29.079	31.062	19.086	8.768
11.0	29.236	31.314	19.224	8.778
12.0	29.368	31.472	19.298	8.787
13.0	29.516	31.930	19.592	8.808
14.0	29.563	32.419	19.943	8.843
15.0	29.527	32.710	20.172	8.858
16.0	29.528	33.394	20.685	8.868
17.0	29.564	33.720	20.917	8.882
18.0	29.598	33.932	21.064	8.887
19.0	29.667	34.125	21.186	8.897
20.0	29.556	34.220	21.295	8.902
21.0	29.158	34.325	21.507	8.900
22.0	28.521	34.654	21.965	8.883
23.0	28.031	34.955	22.353	8.885
24.0	27.896	35.058	22.475	8.888
25.0	27.810	35.116	22.546	8.884
26.0	27.498	35.264	22.759	8.889
27.0	27.071	35.334	22.949	8.889
28.0	26.563	35.431	23.184	8.878
29.0	26.152	35.494	23.360	8.866
30.0	25.712	35.537	23.530	8.866
31.0	25.501	35.666	23.693	8.860
32.0	25.063	35.631	23.801	8.855
33.0	24.916	35.615	23.833	8.852
34.0	24.777	35.685	23.929	8.838
35.0	24.650	35.735	24.005	8.825
36.0	24.398	35.784	24.118	8.815
37.0	24.232	35.837	24.208	8.820
38.0	24.155	35.855	24.244	8.799
39.0	24.052	35.884	24.297	8.793
40.0	23.833	35.945	24.408	8.766
41.0	23.695	36.053	24.542	8.757
42.0	23.460	36.087	24.626	8.764
43.0	23.476	36.142	24.663	8.829
44.0	23.281	36.168	24.740	8.851
45.0	23.064	36.223	24.844	8.874
46.0	22.900	36.243	24.907	8.881
47.0	22.809	36.255	24.943	8.871
48.0	22.702	36.273	24.987	8.864
49.0	22.587	36.290	25.033	8.873
50.0	22.491	36.297	25.066	8.865

DEPTH	TEMP	SALT	SIGMA-T	XSM
51.0	22.362	36.310	25.113	8.841
52.0	22.242	36.327	25.150	8.849
53.0	22.161	36.336	25.189	8.848
54.0	22.109	36.341	25.208	8.865
55.0	22.041	36.344	25.230	8.865
56.0	21.935	36.347	25.262	8.840
57.0	21.853	36.351	25.288	8.824
58.0	21.795	36.352	25.305	8.708
59.0	21.766	36.353	25.313	8.615
60.0	21.718	36.352	25.326	8.575
61.0	21.593	36.351	25.361	8.524
62.0	21.386	36.355	25.421	8.320

tamu

CRUISE: 90g10 STATION: SB031.PL DATE: Jul 15 01:32:37 1980

LATITUDE: 28 12.18 LONGITUDE: 93 00.05

TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

30.00 32.00 34.00 36.00

DEPTH IN METERS

50

100

150

200

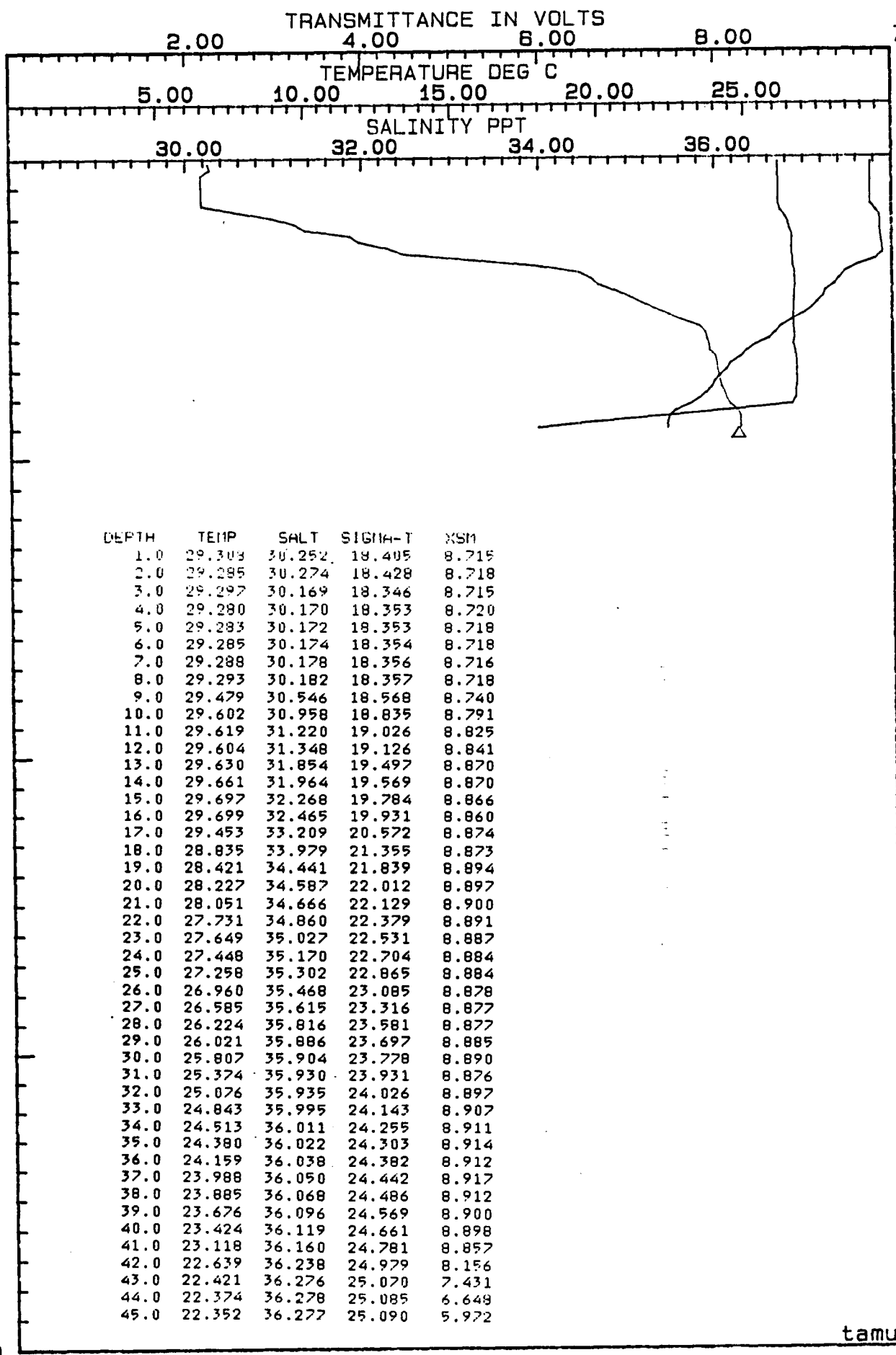
DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.112	0.000	-4.084	8.557
2.0	29.109	8.201	2.033	8.541
3.0	29.107	31.016	19.043	8.538
4.0	29.134	29.162	17.646	8.562
5.0	29.193	29.061	17.552	8.677
6.0	29.164	29.148	17.626	8.732
7.0	29.183	29.513	17.892	8.762
8.0	29.218	29.865	18.145	8.770
9.0	29.252	30.138	18.337	8.774
10.0	29.324	30.283	18.423	8.781
11.0	29.478	30.362	18.431	8.793
12.0	29.658	30.137	18.203	8.776
13.0	29.623	33.130	20.455	8.852
14.0	29.568	33.243	20.558	8.862
15.0	29.456	33.329	20.660	8.869
16.0	29.379	33.444	20.772	8.873
17.0	29.312	33.644	20.944	8.875
18.0	29.239	33.958	21.204	8.866
19.0	29.180	34.070	21.308	8.867
20.0	29.102	34.135	21.383	8.876
21.0	28.966	34.229	21.498	8.877
22.0	28.938	34.202	21.488	8.885
23.0	28.274	34.772	22.136	8.879
24.0	27.835	35.098	22.524	8.881
25.0	27.421	35.320	22.826	8.879
26.0	26.970	35.532	23.130	8.885
27.0	26.312	35.691	23.459	8.879
28.0	26.129	35.733	23.548	8.876
29.0	26.053	35.750	23.585	8.873
30.0	25.837	35.782	23.676	8.872
31.0	25.508	35.828	23.813	8.886
32.0	25.377	35.837	23.860	8.897
33.0	25.179	35.878	23.953	8.907
34.0	24.887	35.905	24.062	8.912
35.0	24.629	35.923	24.153	8.915
36.0	24.530	35.938	24.195	8.918
37.0	24.406	35.957	24.247	8.916
38.0	24.226	35.982	24.320	8.918
39.0	23.880	36.025	24.455	8.919
40.0	23.521	36.103	24.620	8.922
41.0	23.340	36.142	24.702	8.888
42.0	23.189	36.169	24.767	8.896
43.0	22.935	36.204	24.867	8.903
44.0	22.583	36.234	24.992	8.870
45.0	22.246	36.242	25.094	8.561
46.0	22.082	36.262	25.155	7.622
47.0	22.009	36.269	25.182	7.008
48.0	21.949	36.280	25.207	6.644

tamu

CRUISE: 90g10 STATION: SB032.PL DATE: Jul 15 02:38:11 1990

LATITUDE: 28 18.57 LONGITUDE: 92 59.83

TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB033.PL DATE: Jul 15 03:33:34 1980
 LATITUDE: 28 24.10 LONGITUDE: 92 59.90
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

31.00 33.00 35.00

DEPTH
IN
METERS

50

100

150

200

DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	28.902	28.943	17.559	8.602
2.0	28.925	28.954	17.559	8.607
3.0	29.025	29.067	17.611	8.620
4.0	29.112	29.193	17.677	8.606
5.0	29.209	29.310	17.732	8.657
6.0	29.234	29.540	17.896	8.704
7.0	29.244	29.830	18.110	8.750
8.0	29.278	30.197	18.373	8.792
9.0	29.338	30.463	18.552	8.796
10.0	29.472	30.714	18.696	8.824
11.0	29.648	31.098	18.925	8.861
12.0	29.669	31.650	19.331	8.864
13.0	29.593	32.354	19.884	8.873
14.0	29.490	32.632	20.126	8.871
15.0	29.355	32.988	20.439	8.878
16.0	29.133	33.623	20.989	8.881
17.0	29.028	34.116	21.393	8.890
18.0	28.856	34.430	21.686	8.886
19.0	28.636	34.584	21.875	8.891
20.0	28.541	34.640	21.949	8.893
21.0	28.361	34.737	22.081	8.887
22.0	27.906	34.977	22.410	8.883
23.0	27.463	35.206	22.727	8.867
24.0	27.202	35.334	22.906	8.856
25.0	26.821	35.524	23.172	8.856
26.0	26.425	35.628	23.375	8.868
27.0	26.227	35.693	23.488	8.871
28.0	26.027	35.738	23.584	8.867
29.0	25.652	35.792	23.741	8.872
30.0	25.546	35.807	23.786	8.885
31.0	25.446	35.809	23.818	8.888
32.0	25.249	35.811	23.880	8.881
33.0	25.130	35.831	23.932	8.875
34.0	25.031	35.856	23.981	8.869
35.0	24.832	35.882	24.062	8.865
36.0	24.595	35.921	24.163	8.848
37.0	24.082	36.009	24.383	8.709
38.0	23.434	36.125	24.663	8.326
39.0	23.295	36.146	24.719	7.985
40.0	23.185	36.162	24.763	7.831
41.0	23.097	36.174	24.798	7.706
42.0	23.049	36.180	24.817	7.496

tamu

CRUISE: 90g10 STATION: SB034.PL DATE: Jul 15 04:28:32 1990

LATITUDE: 28 29.22 LONGITUDE: 93 00.17

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

28.00 30.00 32.00 34.00

DEPTH
IN
METERS

50

100

150

200

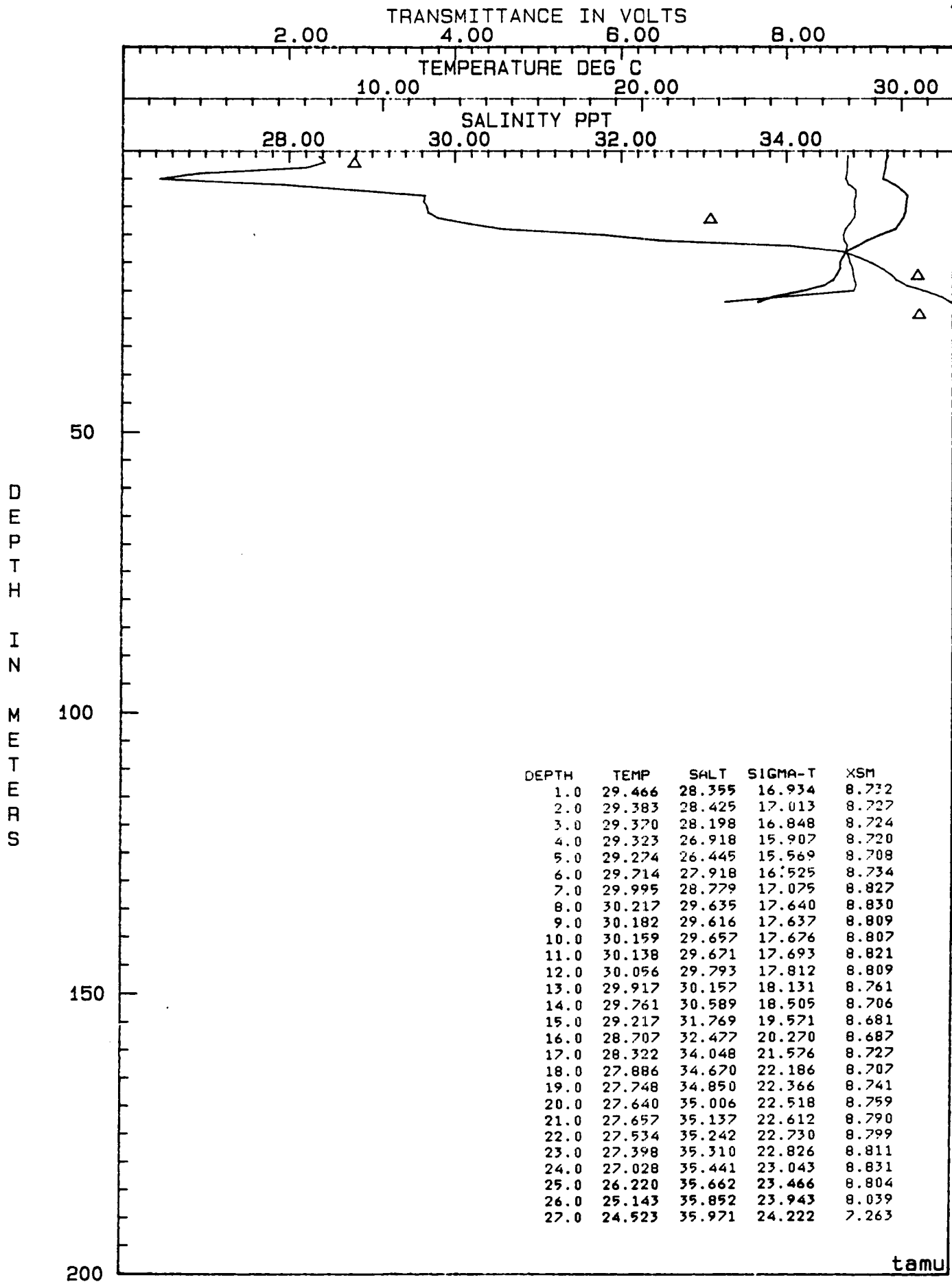
DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.207	26.614	15.717	8.447
2.0	29.212	26.646	15.740	8.443
3.0	29.218	26.607	15.708	8.438
4.0	29.220	26.611	15.711	8.441
5.0	29.233	26.625	15.717	8.439
6.0	29.590	27.669	16.380	8.440
7.0	29.850	29.061	17.334	8.609
8.0	29.889	29.585	17.713	8.660
9.0	29.808	30.148	18.160	8.697
10.0	29.606	30.649	18.603	8.689
11.0	29.238	31.322	19.229	8.697
12.0	29.149	32.125	19.860	8.747
13.0	29.149	32.696	20.288	8.771
14.0	29.069	33.318	20.782	8.780
15.0	29.054	33.776	21.130	8.798
16.0	28.865	34.067	21.411	8.807
17.0	28.624	34.145	21.549	8.779
18.0	28.431	34.252	21.693	8.784
19.0	28.285	34.525	21.946	8.787
20.0	28.056	34.762	22.199	8.836
21.0	27.937	35.010	22.425	8.868
22.0	27.636	35.210	22.674	8.885
23.0	27.224	35.360	22.919	8.879
24.0	26.847	35.522	23.162	8.869
25.0	26.658	35.565	23.254	8.851
26.0	26.504	35.615	23.341	8.836
27.0	26.263	35.694	23.477	8.849
28.0	25.754	35.776	23.698	8.844
29.0	24.832	35.909	24.082	8.825
30.0	24.440	35.976	24.251	8.799

tamu

CRUISE: 90g10 STATION: SB035.PL DATE: Jul 15 08:05:18 1980

LATITUDE: 28 35.79 LONGITUDE: 92 59.98

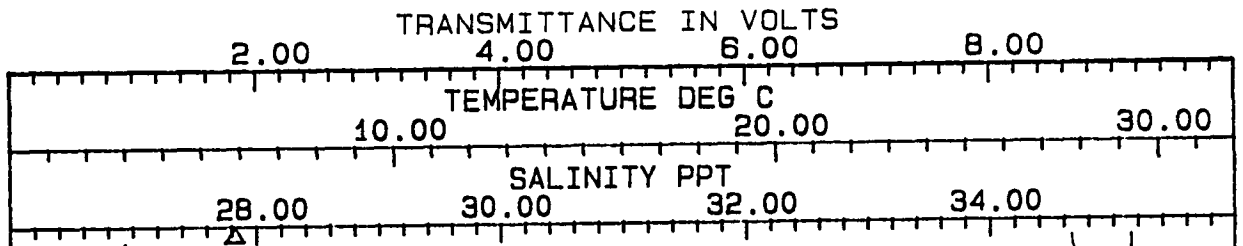
TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB036.PL DATE: Jul 15 08:58:40 1990

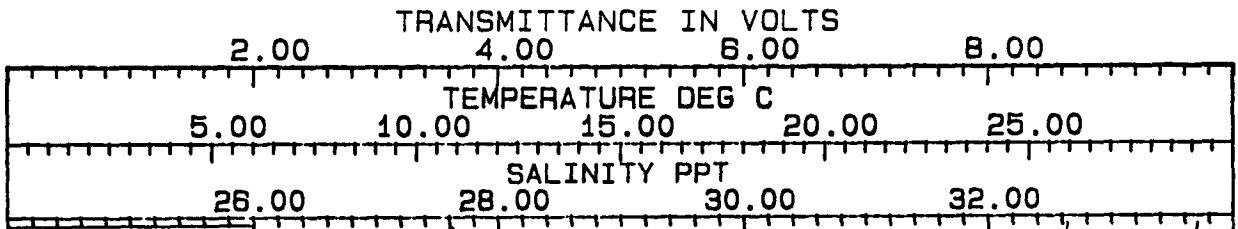
LATITUDE: 28 42.12 LONGITUDE: 92 59.99

TRIANGLES DENOTE DISCRETE SAMPLES



DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	29.258	26.933	15.939	8.664
3.0	29.276	26.909	15.915	8.668
4.0	29.251	26.743	15.799	8.689
5.0	29.376	27.242	16.131	8.734
6.0	29.501	27.698	16.431	8.753
7.0	29.649	28.240	16.787	8.761
8.0	29.705	28.535	16.989	8.780
9.0	29.821	28.938	17.252	8.820
10.0	29.917	29.174	17.396	8.816
11.0	29.964	29.251	17.438	8.821
12.0	29.984	29.360	17.512	8.818
13.0	29.977	29.524	17.637	8.820
14.0	29.644	30.740	18.658	8.689
15.0	28.621	32.991	20.684	8.676
16.0	28.355	33.877	21.436	8.746
17.0	28.159	34.635	22.070	8.748
18.0	28.092	34.938	22.320	8.752
19.0	28.025	35.021	22.405	8.779
20.0	27.773	35.242	22.653	8.778
21.0	27.321	35.424	22.936	8.716
22.0	26.421	35.628	23.377	8.348

CRUISE: 90g10 STATION: SB037.PL DATE: Jul 15 09:45:11 1990
 LATITUDE: 28 47.80 LONGITUDE: 93 59.91
 TRIANGLES DENOTE DISCRETE SAMPLES

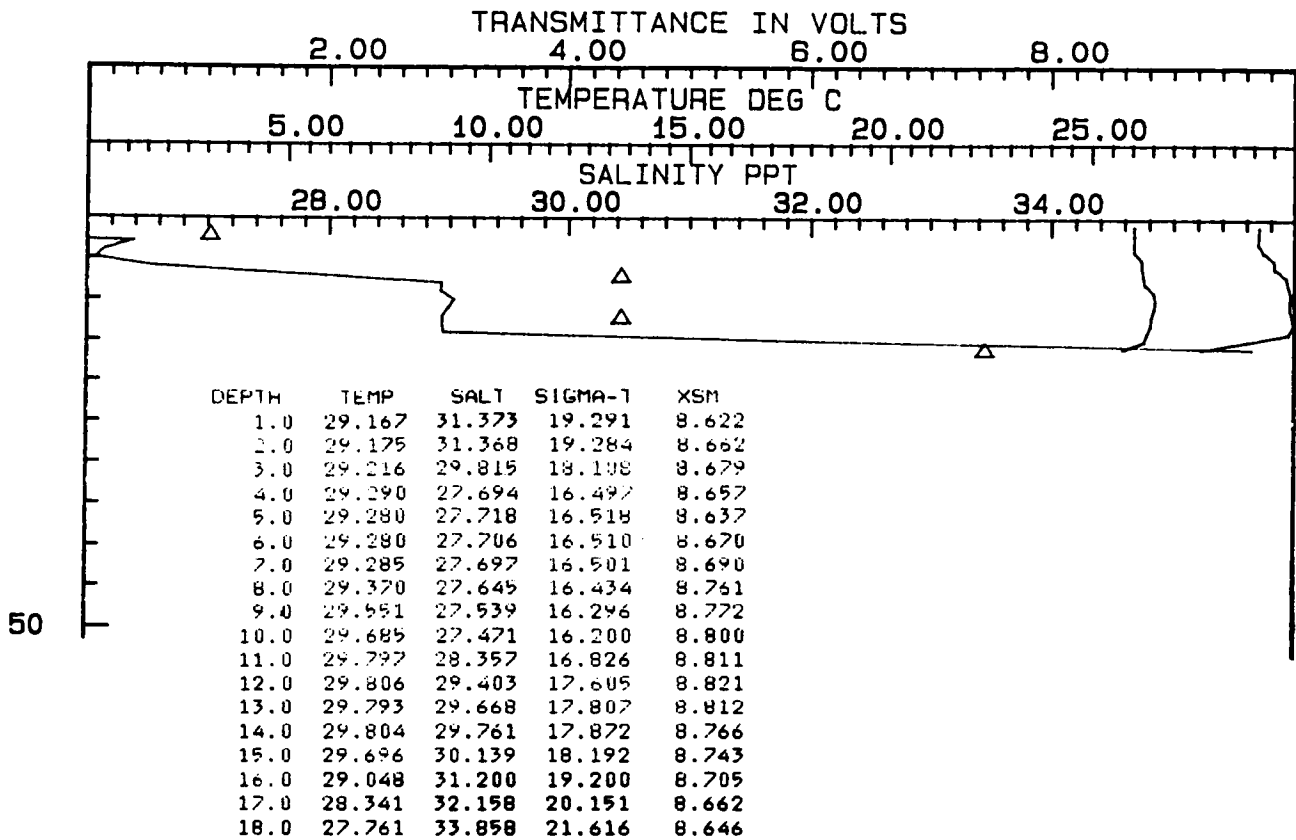


DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.107	26.003	15.293	8.641
2.0	29.069	15.180	7.237	8.630
3.0	29.158	26.169	15.400	8.648
4.0	29.309	25.897	15.148	8.693
5.0	29.380	25.882	15.114	8.750
6.0	29.419	25.970	15.167	8.735
7.0	29.486	26.092	15.236	8.749
8.0	29.658	26.153	15.225	8.787
9.0	29.827	29.297	17.517	8.834
10.0	29.858	29.424	17.603	8.837
11.0	29.907	29.490	17.636	8.835
12.0	29.888	29.652	17.763	8.810
13.0	29.815	29.951	18.011	8.771
14.0	29.683	30.660	18.585	8.693
15.0	29.315	31.858	19.605	8.680
16.0	29.007	32.720	20.353	8.683

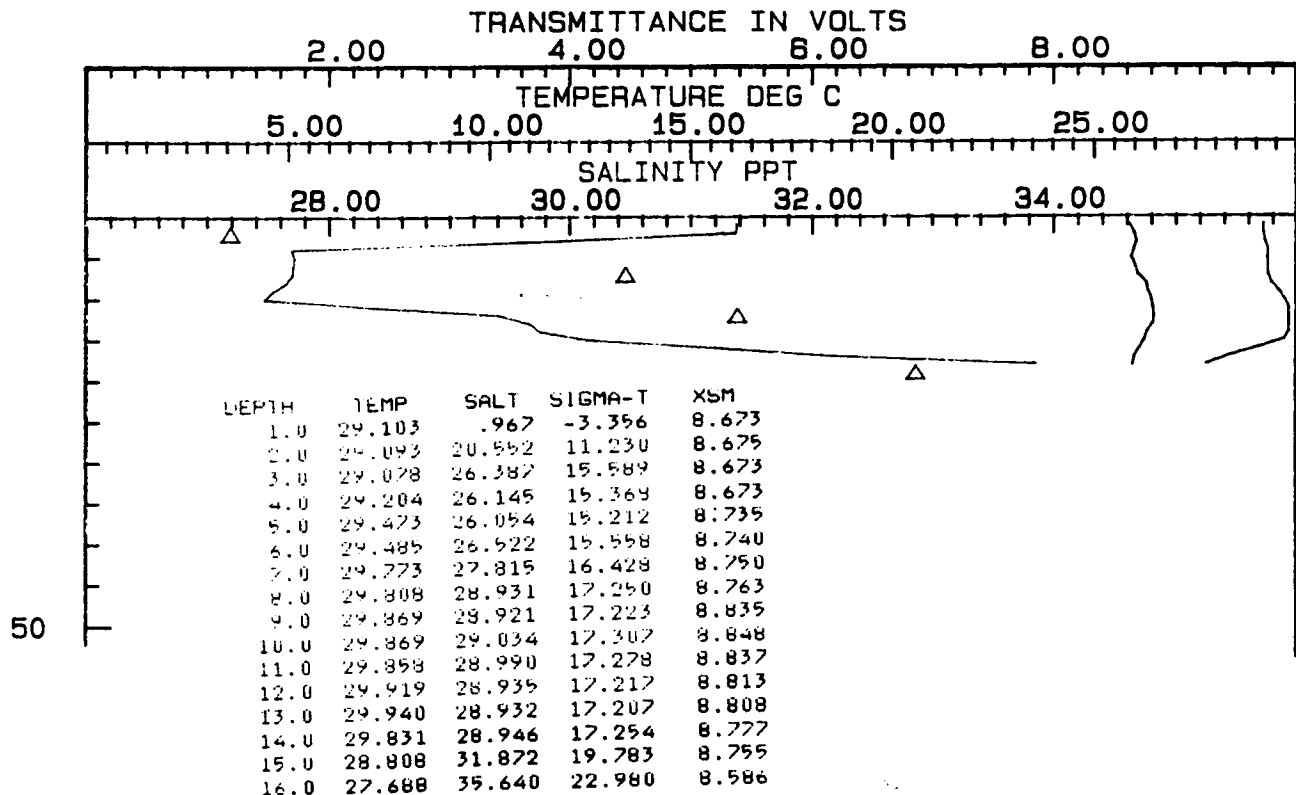
CRUISE: 90g10 STATION: SB038.PL DATE: Jul 15 10:34:11 1990
 LATITUDE: 28 53.92 LONGITUDE: 92 59.90
 TRIANGLES DENOTE DISCRETE SAMPLES

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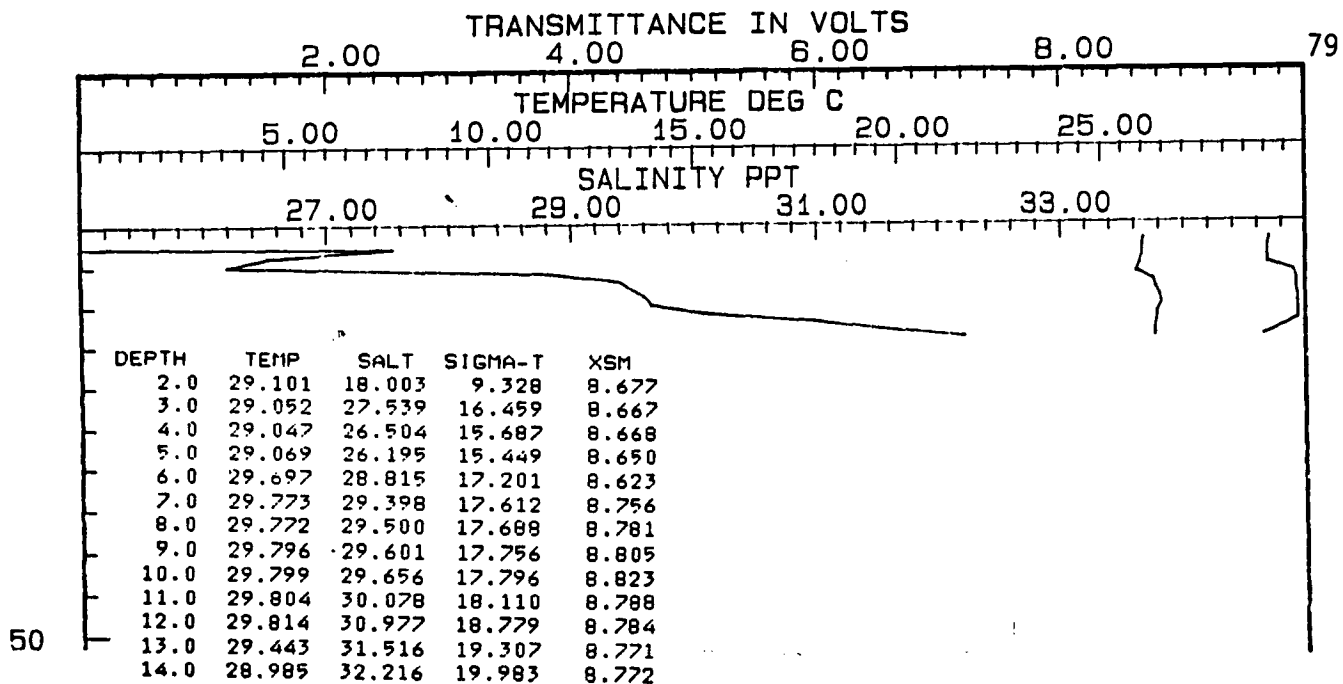
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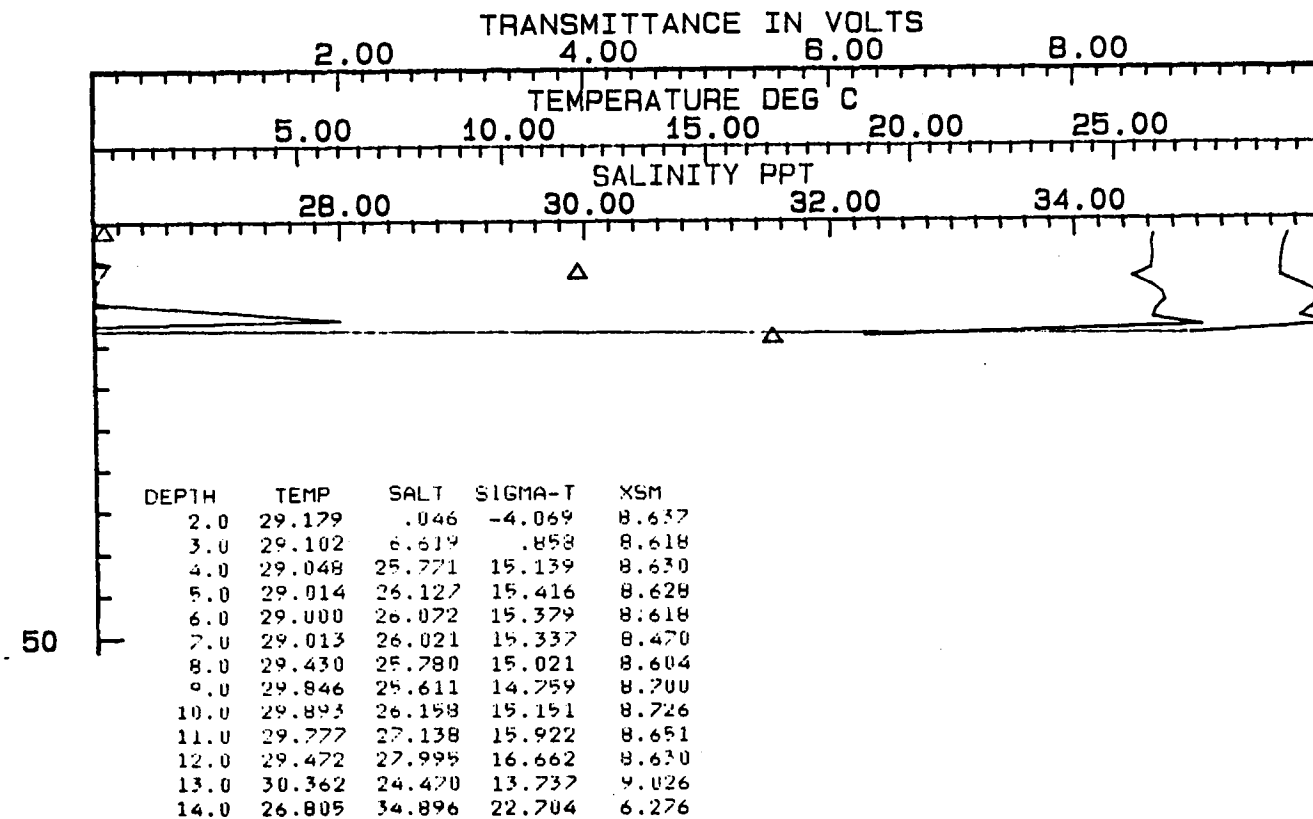
CRUISE: 90g10 STATION: SB039.PL DATE: Jul 15 11:18:19 1990
 LATITUDE: 18 59.80 LONGITUDE: 92 59.92
 TRIANGLES DENOTE DISCRETE SAMPLES



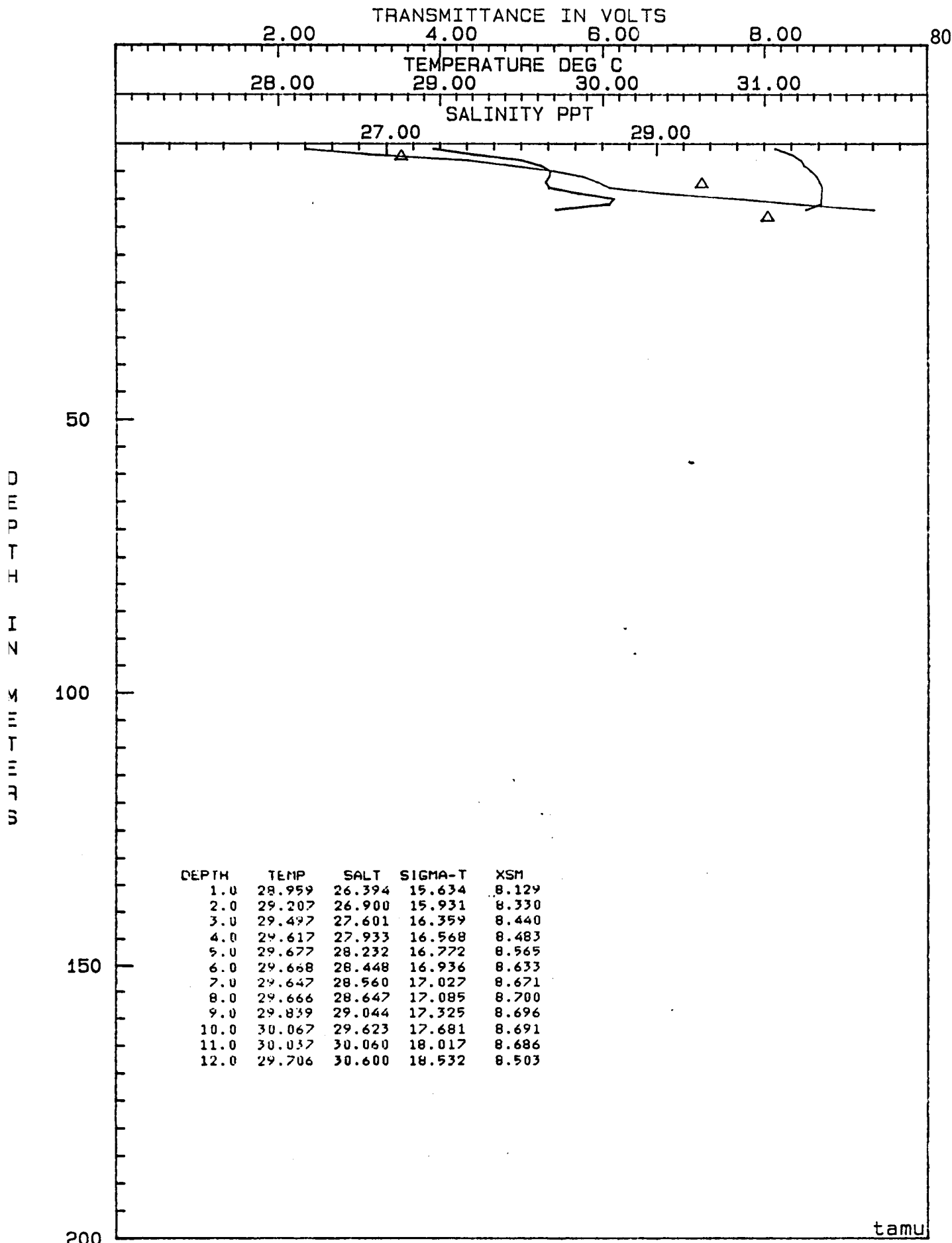
CRUISE: 90g10 STATION: SB040.PL DATE: Jul 15 12:04:23 1990
 LATITUDE: 29 05.84 LONGITUDE: 92 59.88



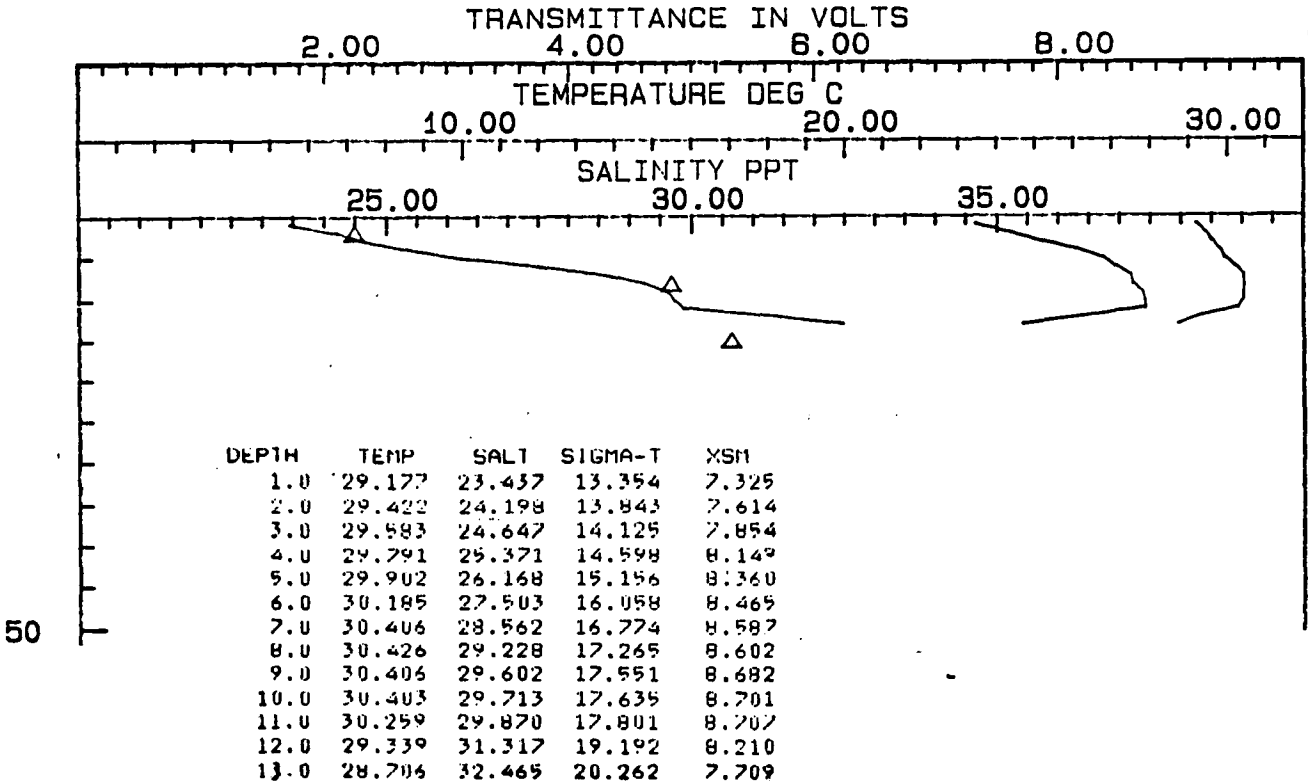
CRUISE: 90g10 STATION: SB040A.P DATE: Jul 15 13:46:14 1990
 LATITUDE: 29 06.25 LONGITUDE: 92 59.86



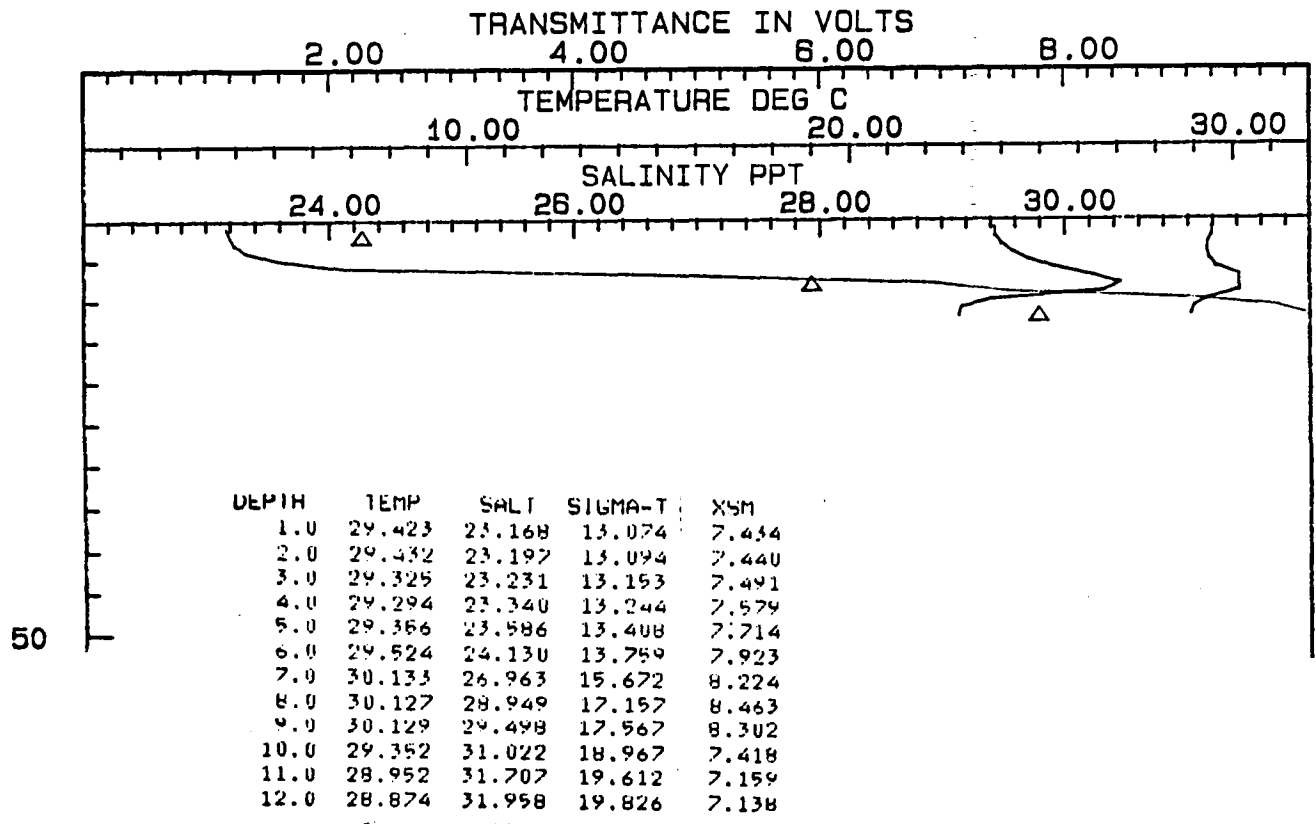
CRUISE: 90g10 STATION: SB041.PL DATE: Jul 15 16:14:31 1990
 LATITUDE: 29 13.03 LONGITUDE: 93 00.00
 TRIANGLES DENOTE DISCRETE SAMPLES



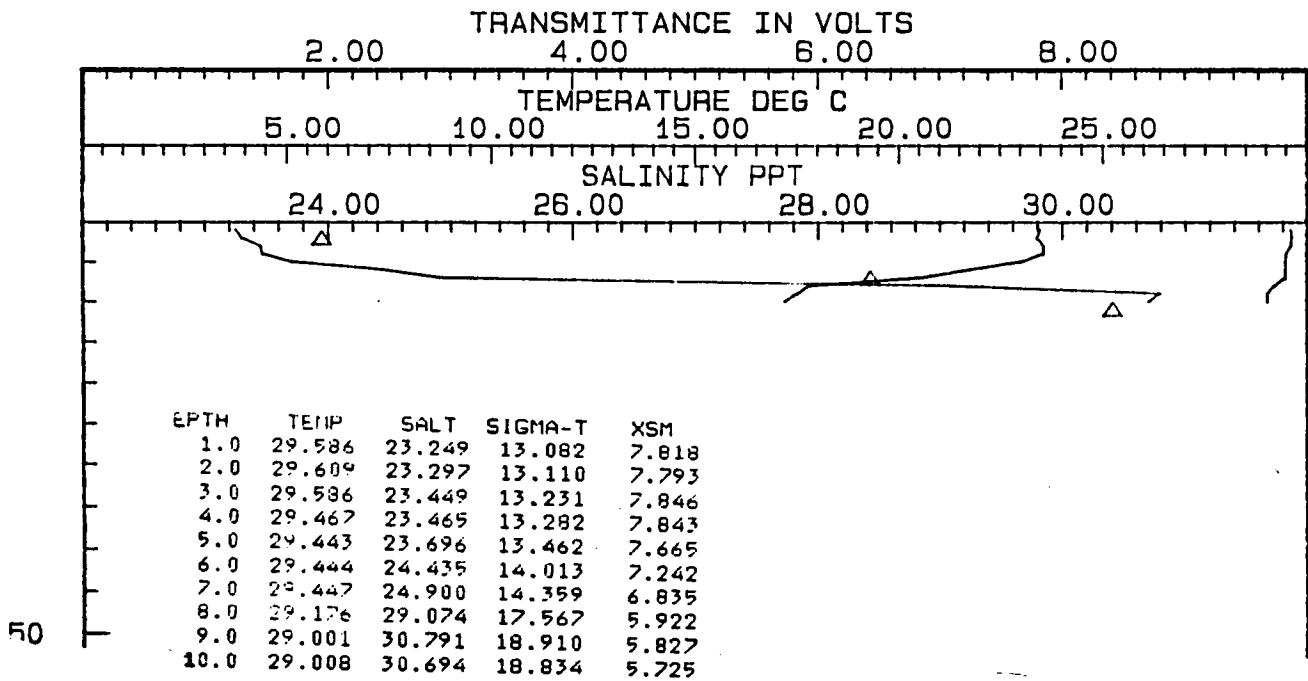
CRUISE: 90g10 STATION: SB042.PL DATE: Jul 15 17:00:49 1990
 LATITUDE: 29 18.85 LONGITUDE: 93 00.17
 TRIANGLES DENOTE DISCRETE SAMPLES



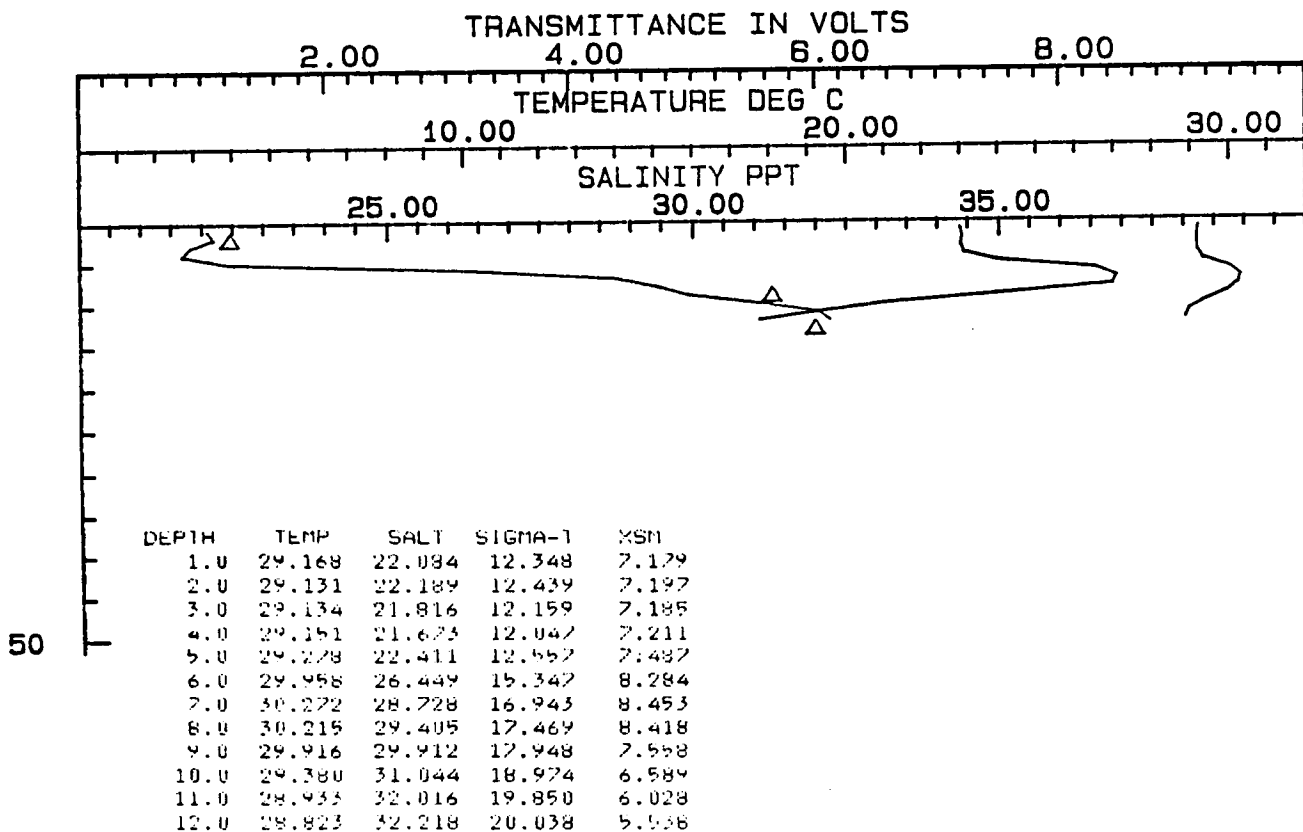
CRUISE: 90G10 STATION: SB043.PL DATE: Jul 15 17:46:35 1990
 LATITUDE: 29 24.74 LONGITUDE: 92 59.95
 TRIANGLES DENOTE DISCRETE SAMPLES



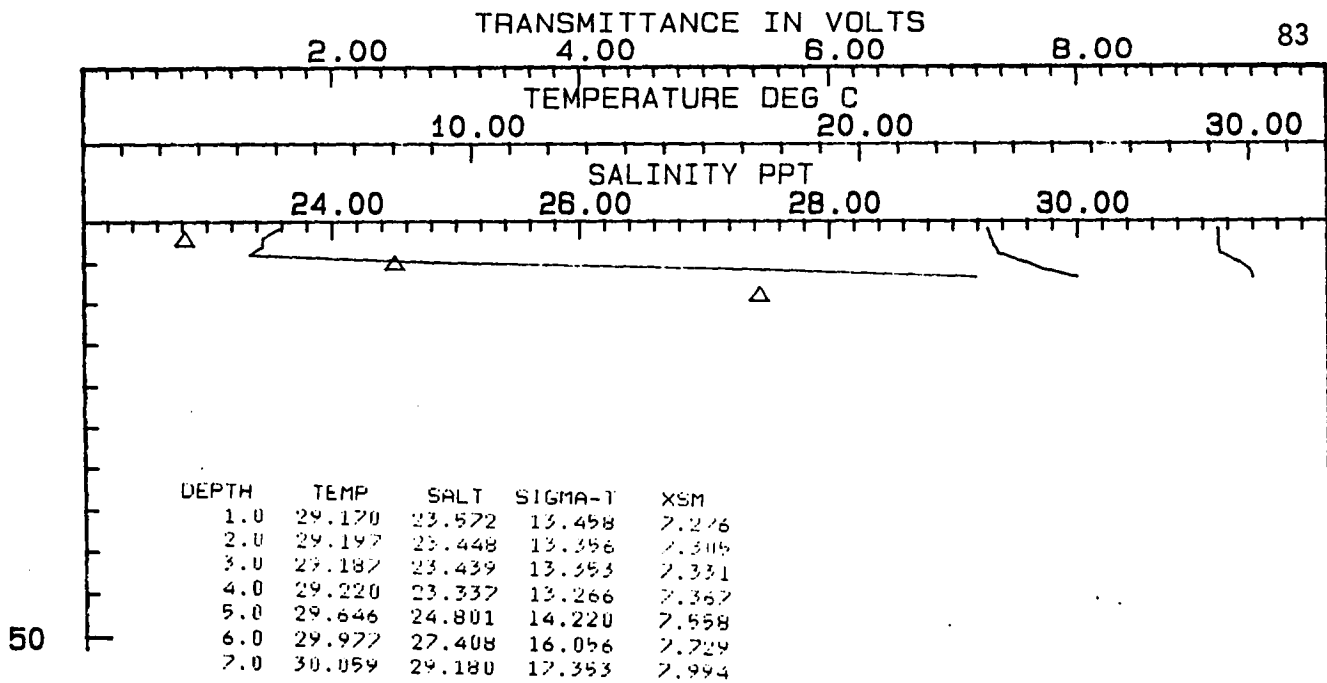
CRUISE: 90G10 STATION: SB044.PL DATE: Jul 15 18:25:36 1990
 LATITUDE: 29 29.62 LONGITUDE: 92 59.88
 TRIANGLES DENOTE DISCRETE SAMPLES



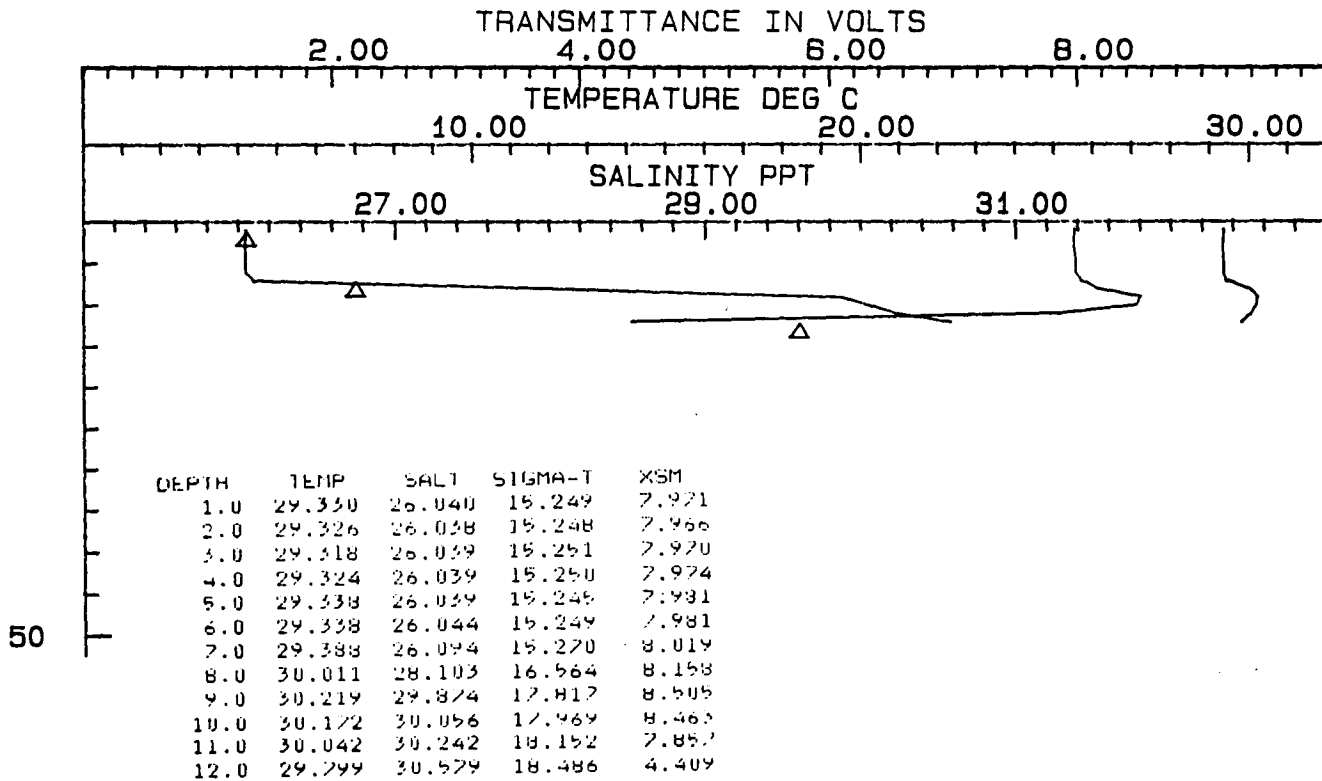
CRUISE: 90G10 STATION: SB044A.P DATE: Jul 15 22:17:35 1990
 LATITUDE: 29 34.39 LONGITUDE: 92 58.50
 TRIANGLES DENOTE DISCRETE SAMPLES



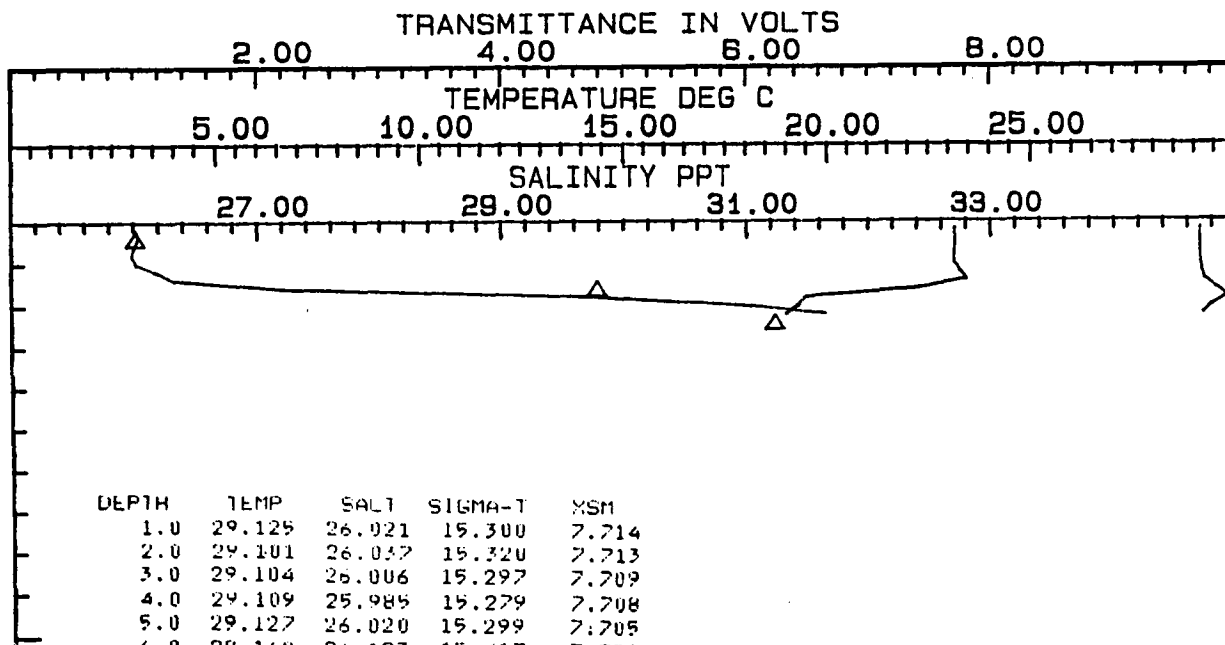
CRUISE: 90g10 STATION: SB045.PL DATE: Jul 15 23:53:48 1990
 LATITUDE: 29 27.97 LONGITUDE: 93 10.12
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB046.PL DATE: Jul 16 00:58:19 1980
 LATITUDE: 29 28.94 LONGITUDE: 93 20.38
 TRIANGLES DENOTE DISCRETE SAMPLES

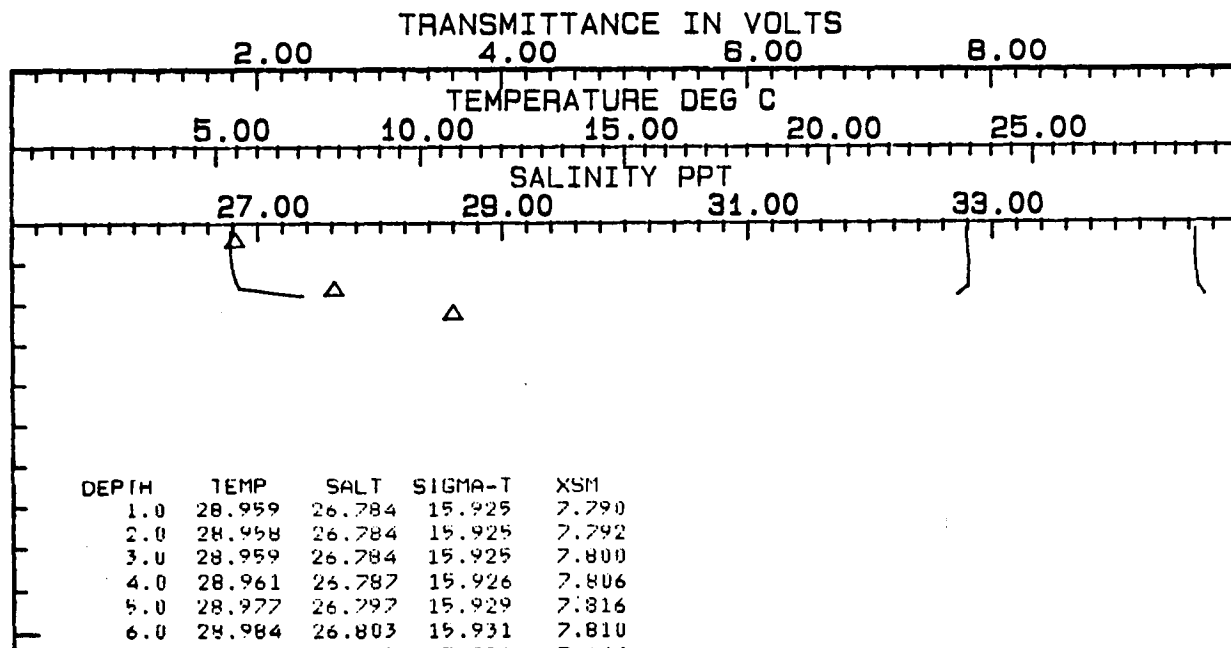


CRUISE: 90g10 STATION: SB047.PL DATE: Jul 16 02:02:38 1980
 LATITUDE: 29 25.62 LONGITUDE: 93 30.56
 TRIANGLES DENOTE DISCRETE SAMPLES



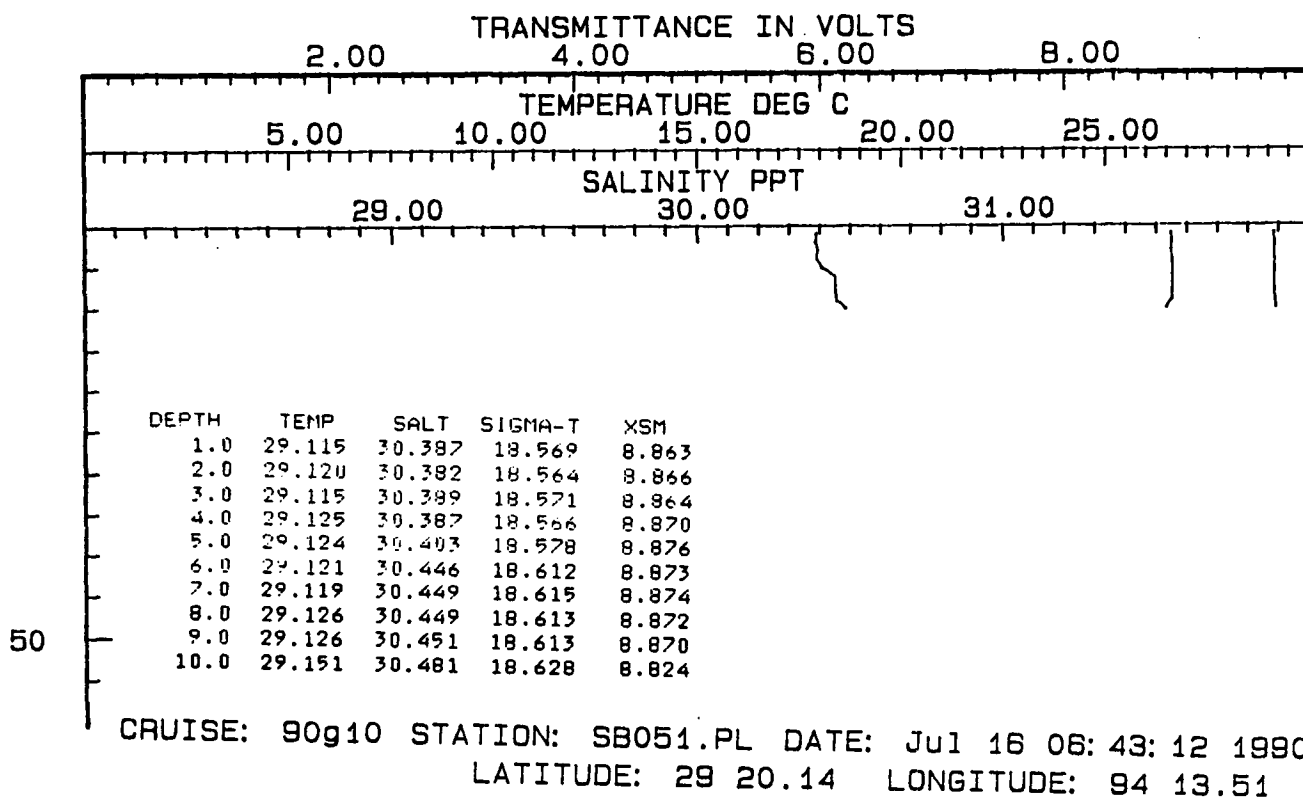
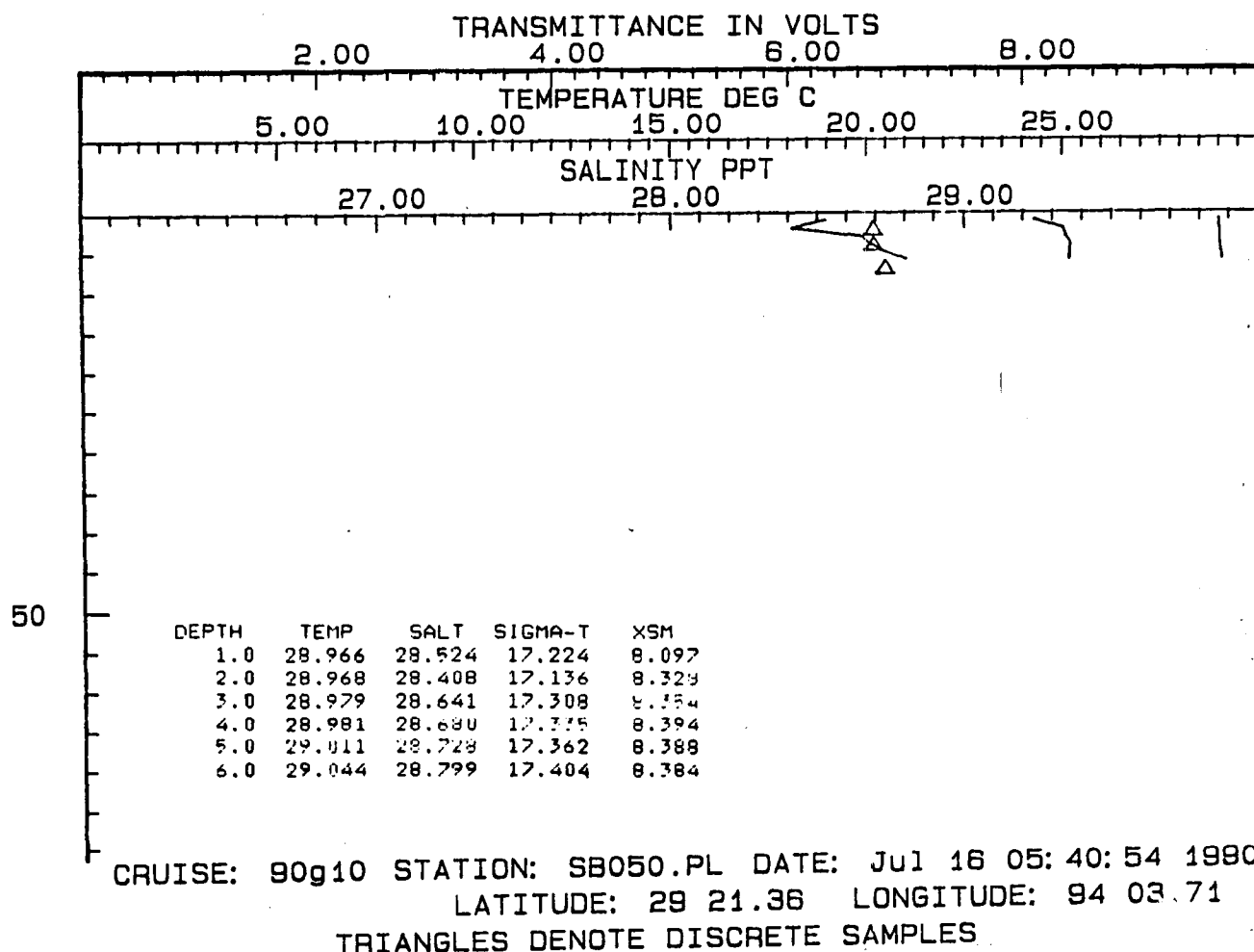
DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.125	26.921	15.300	7.714
2.0	29.181	26.037	15.320	7.713
3.0	29.104	26.006	15.297	7.709
4.0	29.109	25.985	15.279	7.708
5.0	29.127	26.020	15.299	7.705
6.0	29.160	26.193	15.417	7.751
7.0	29.208	26.336	15.509	7.804
8.0	29.502	27.230	16.081	7.405
9.0	29.800	29.730	17.850	6.491
10.0	29.424	30.979	18.911	6.417
11.0	29.175	31.640	19.488	6.370

CRUISE: 90g10 STATION: SB048.PL DATE: Jul 16 03:25:34 1990
 LATITUDE: 29 23.78 LONGITUDE: 93 43.81
 TRIANGLES DENOTE DISCRETE SAMPLES



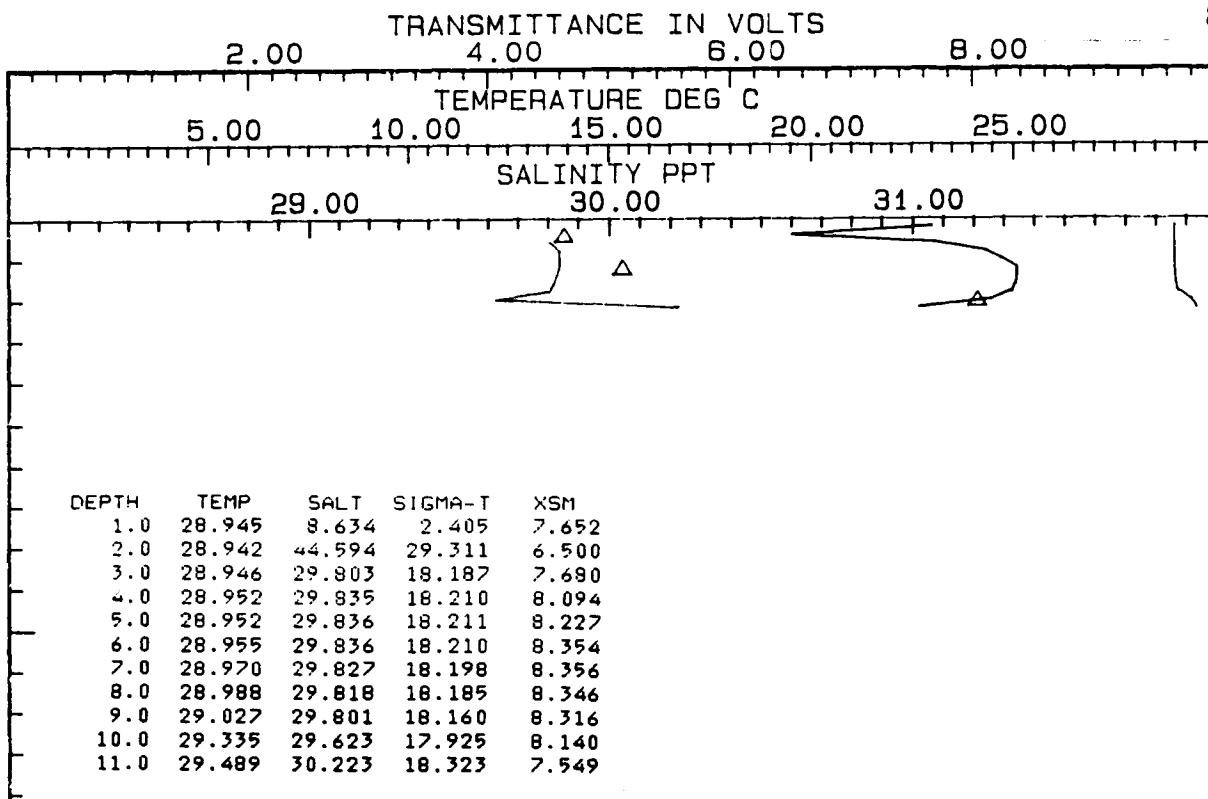
DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	28.959	26.784	15.925	7.790
2.0	28.958	26.784	15.925	7.792
3.0	28.959	26.784	15.925	7.800
4.0	28.961	26.787	15.926	7.806
5.0	28.977	26.797	15.929	7.816
6.0	28.984	26.803	15.931	7.810
7.0	29.007	26.822	15.938	7.803
8.0	29.025	26.852	15.954	7.805
9.0	29.184	27.371	16.291	7.716

CRUISE: 90g10 STATION: SB049.PL DATE: Jul 16 04:33:37 1990
 LATITUDE: 29 22.53 LONGITUDE: 93 53.92
 TRIANGLES DENOTE DISCRETE SAMPLES



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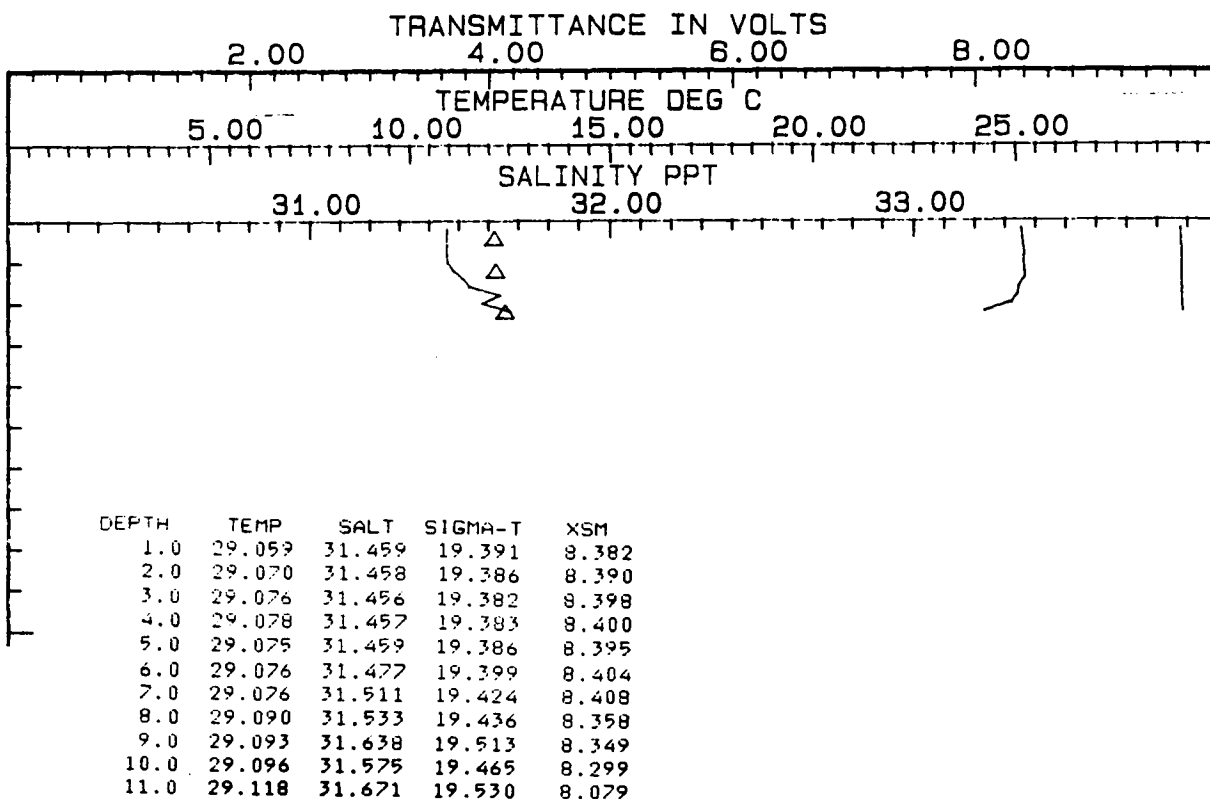


CRUISE: 90g10 STATION: SB052.PL DATE: Jul 16 07:44:35 1990

LATITUDE: 29 19.10 LONGITUDE: 94 23.41

TRIANGLES DENOTE DISCRETE SAMPLES

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CRUISE: 90g10 STATION: SB053.PL DATE: Jul 16 08:31:49 1990

LATITUDE: 29 18.06 LONGITUDE: 94 30.03

TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

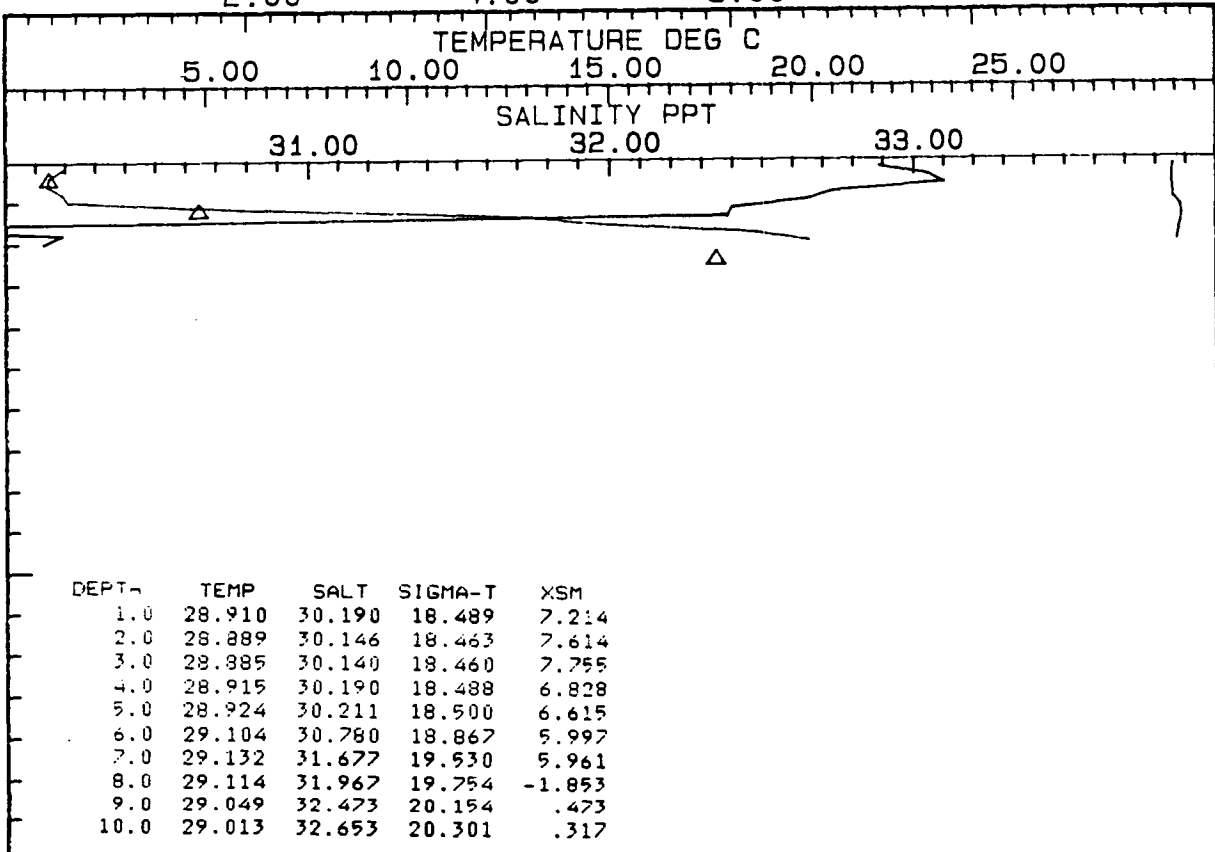
2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

31.00 32.00 33.00



CRUISE: 90g10 STATION: SB054.PL DATE: Jul 16 09:28:37 1980

LATITUDE: 29 18.00 LONGITUDE: 94 38.03

TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

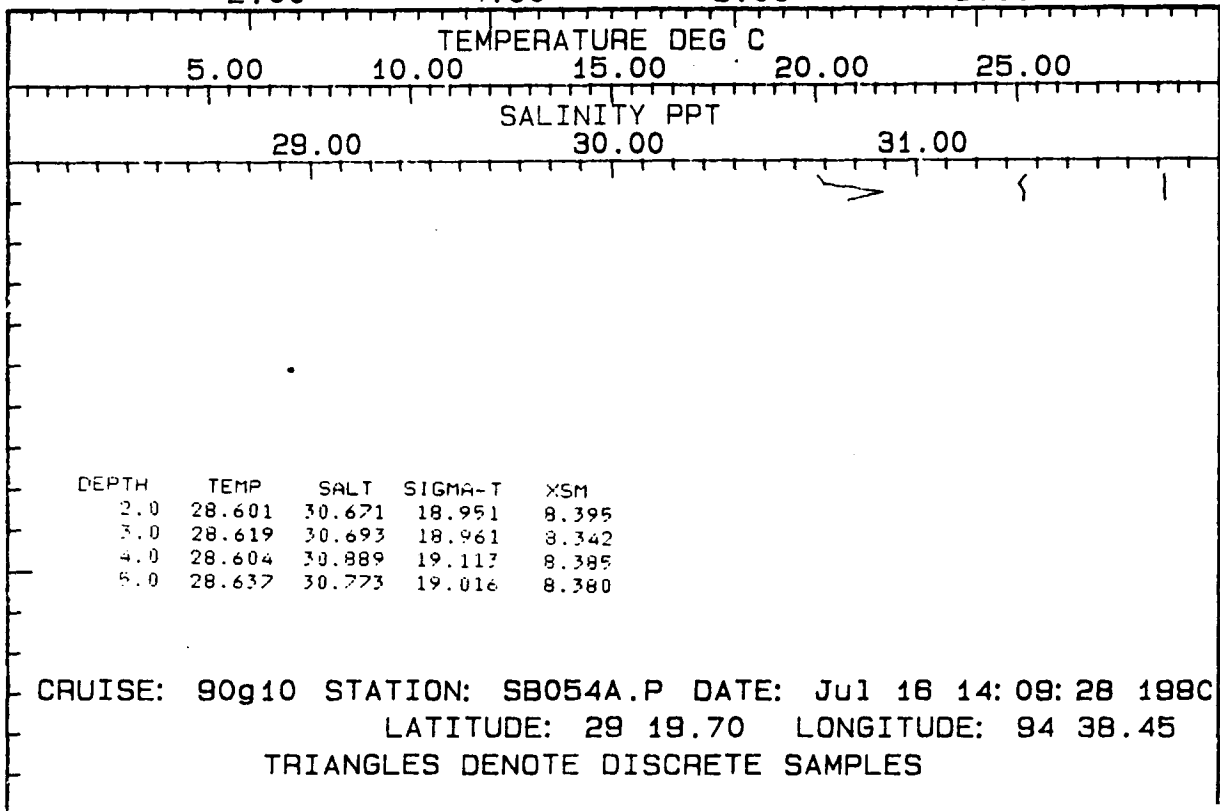
2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

29.00 30.00 31.00



CRUISE: 90g10 STATION: SB054A.P DATE: Jul 16 14:09:28 1980

LATITUDE: 29 19.70 LONGITUDE: 94 38.45

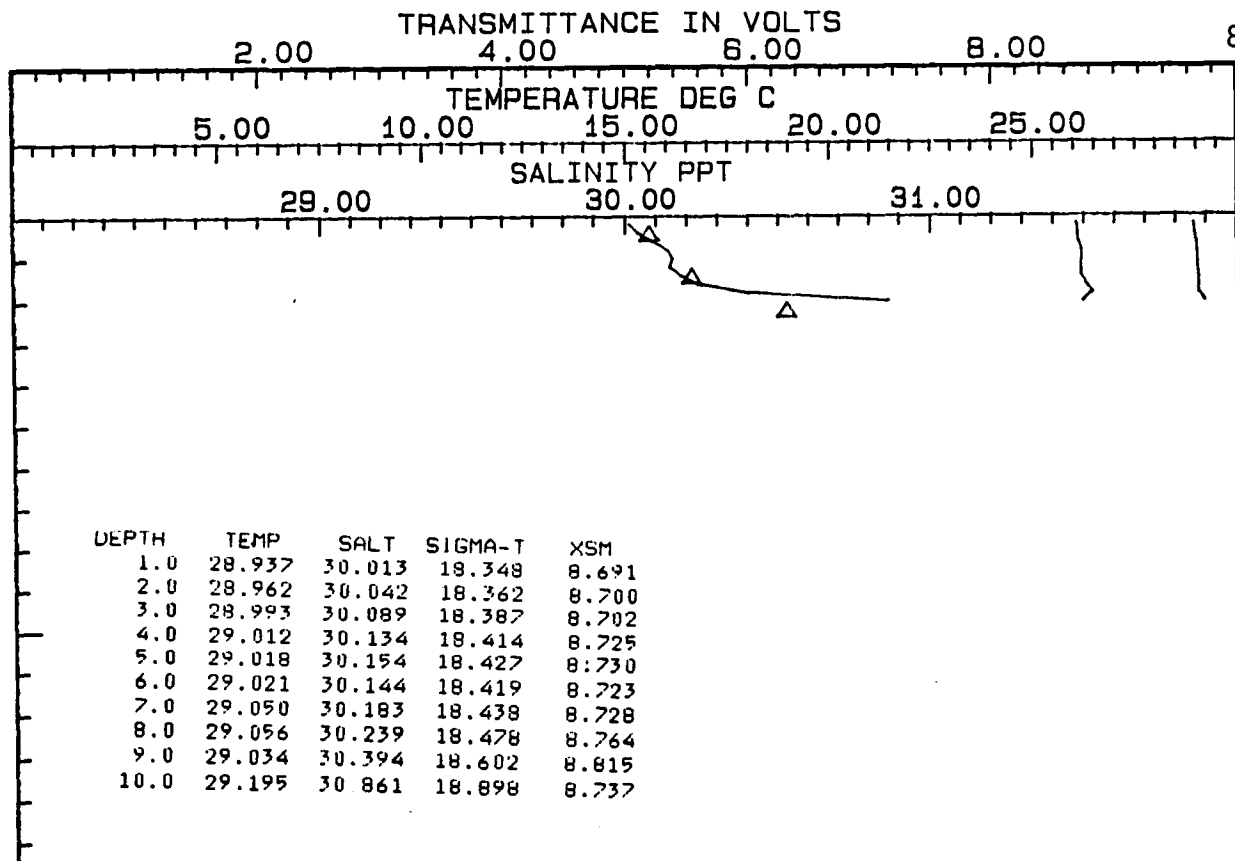
TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH

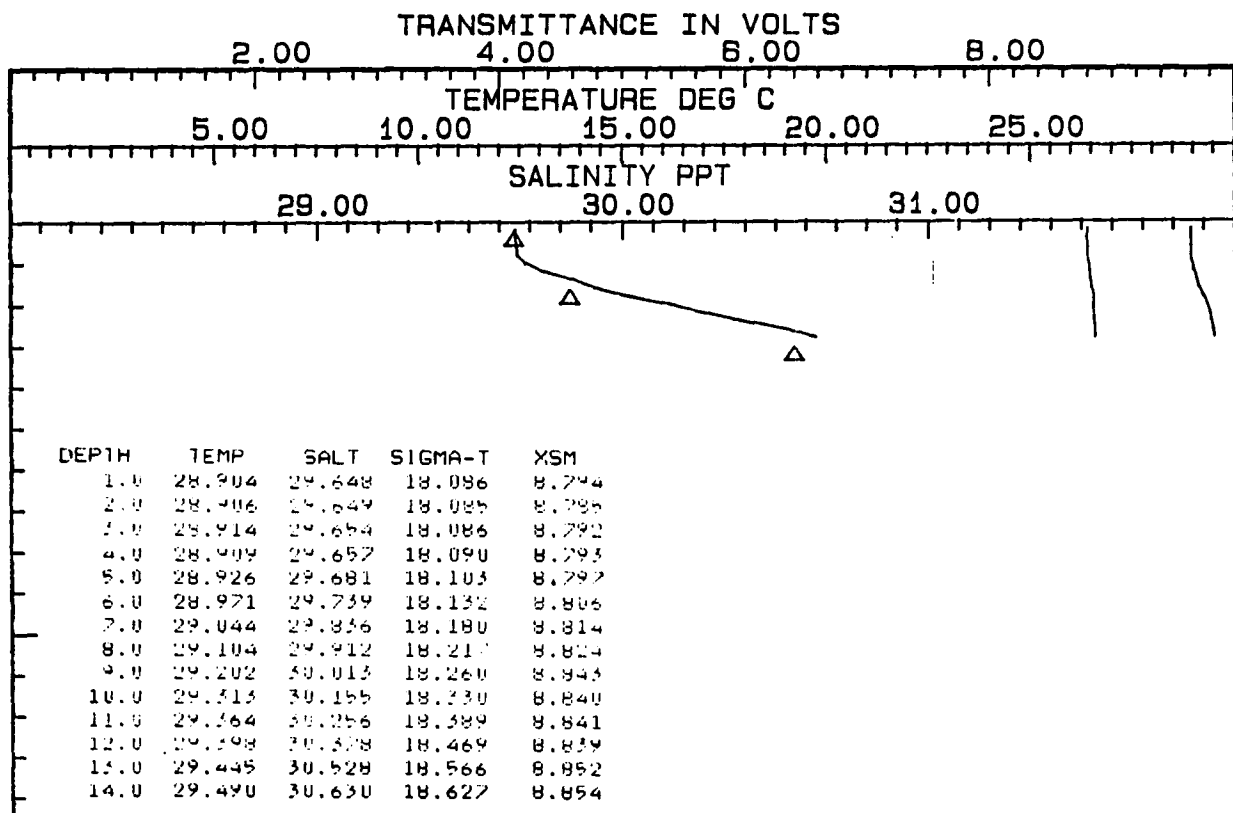
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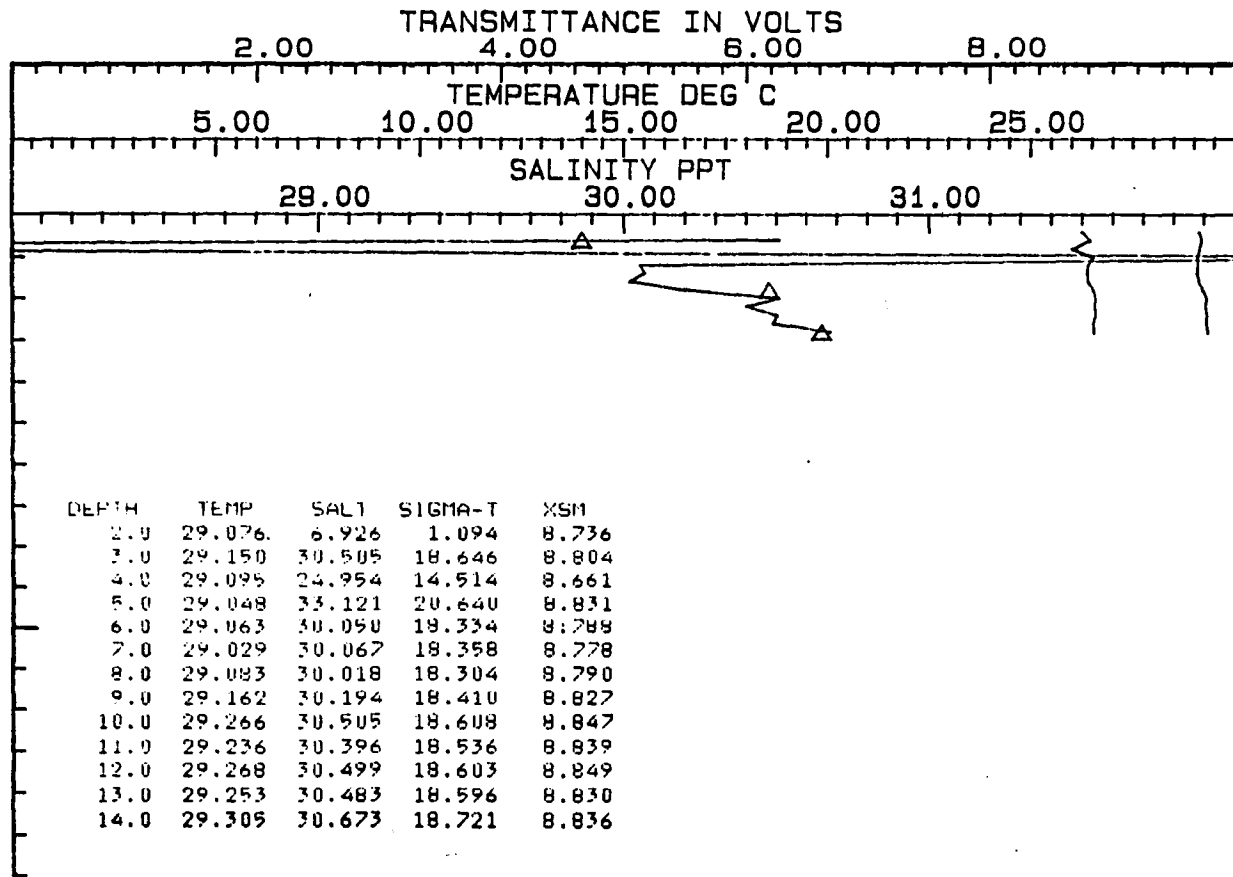
DEPTH



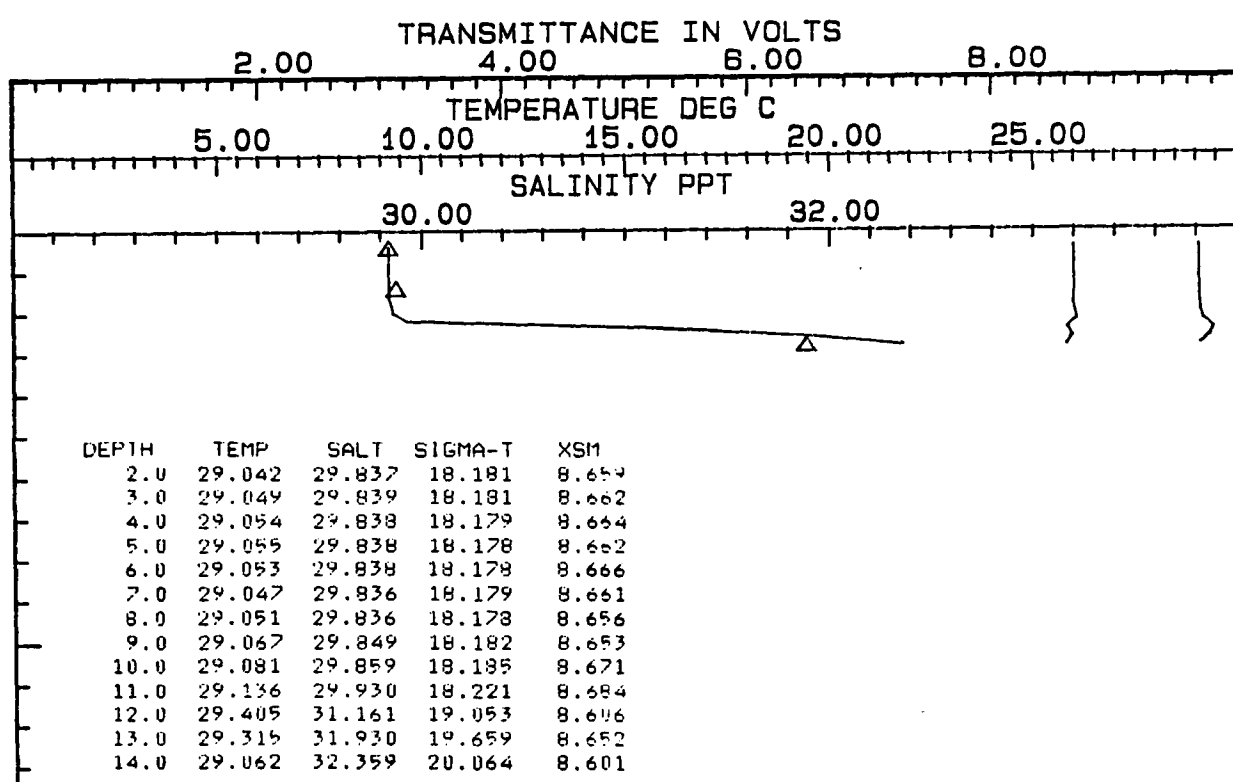
CRUISE: 90g10 STATION: SB055.PL DATE: Jul 16 17:45:37 1990
 LATITUDE: 29 09.46 LONGITUDE: 94 15.39
 TRIANGLES DENOTE DISCRETE SAMPLES



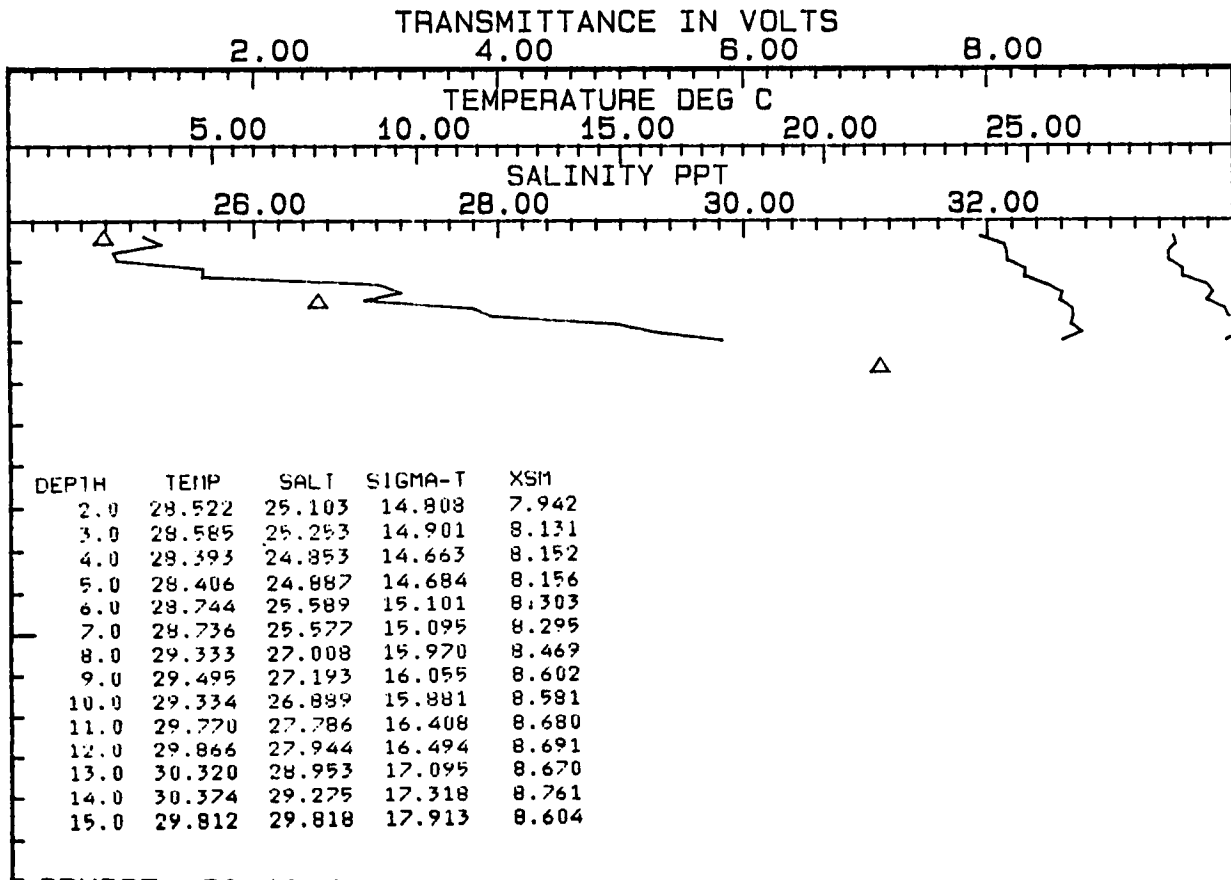
CRUISE: 90g10 STATION: SB056.PL DATE: Jul 16 18:41:48 1990
 LATITUDE: 29 05.81 LONGITUDE: 93 57.77
 TRIANGLES DENOTE DISCRETE SAMPLES



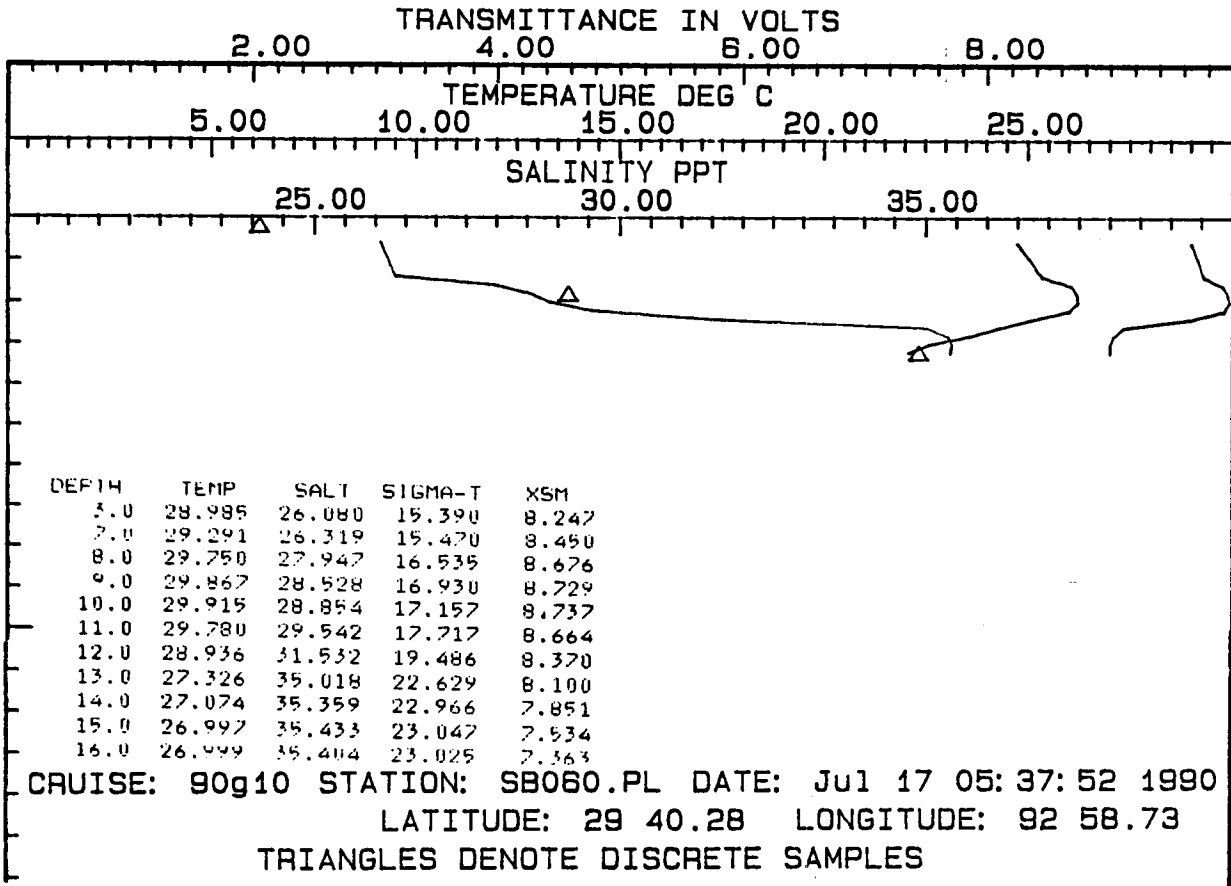
CRUISE: 90g10 STATION: SB057.PL DATE: Jul 16 22:04:04 1990
 LATITUDE: 29 08.19 LONGITUDE: 93 34.36
 TRIANGLES DENOTE DISCRETE SAMPLES



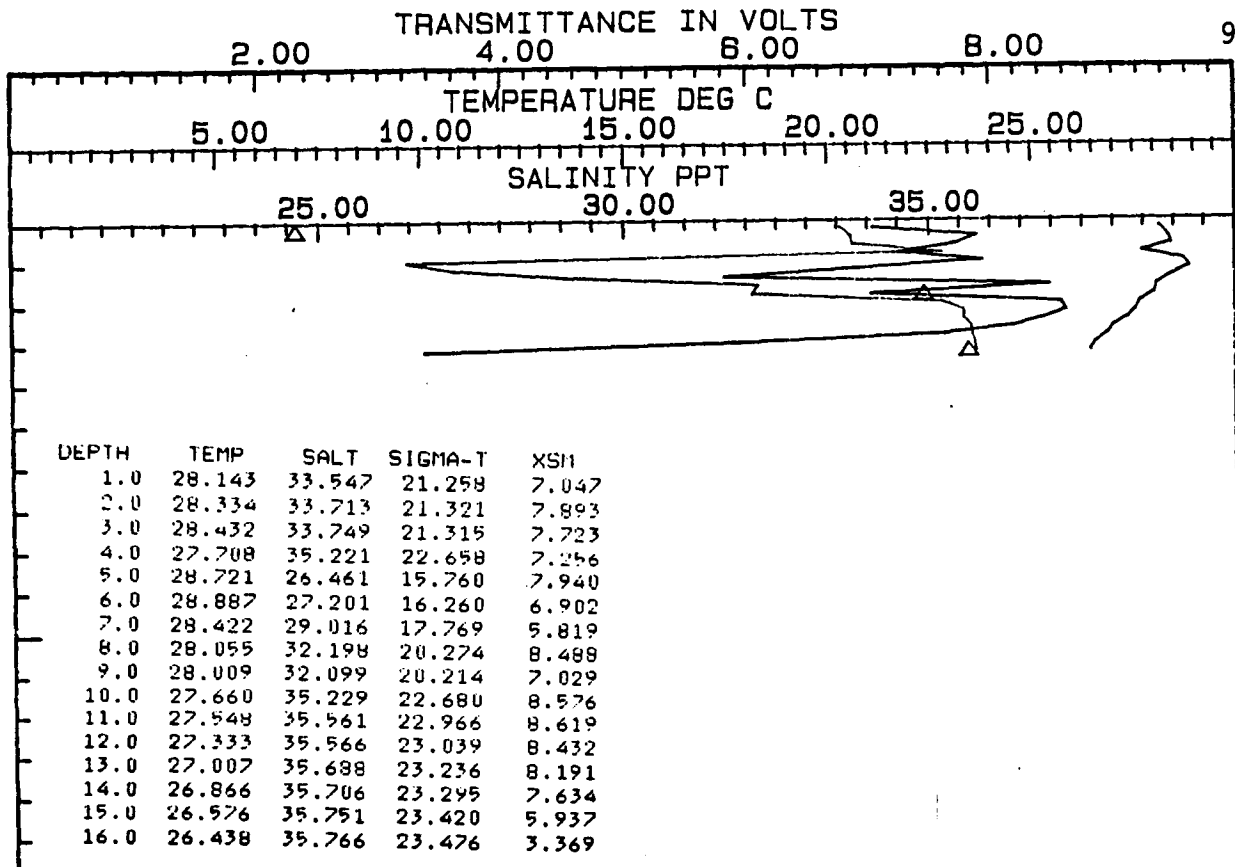
CRUISE: 90g10 STATION: SB058.PL DATE: Jul 17 00:37:38 1990
 LATITUDE: 29 09.93 LONGITUDE: 93 10.78
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB059.PL DATE: Jul 17 03: 07: 14 1990
 LATITUDE: 29 9.48 LONGITUDE: 92 49.25
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB060.PL DATE: Jul 17 05: 37: 52 1990
 LATITUDE: 29 40.28 LONGITUDE: 92 58.73
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB061.PL DATE: Jul 17 08:28:24 1990

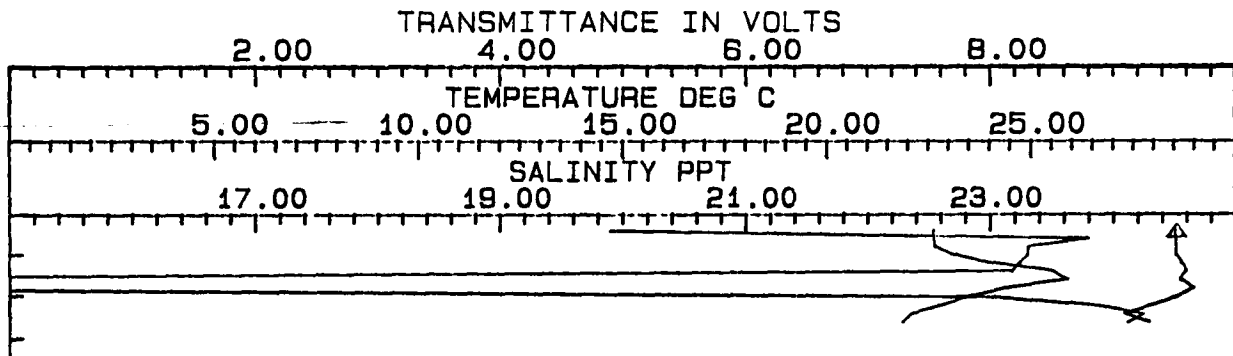
LATITUDE: 2901.36 LONGITUDE: 92 06.05

TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH

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CRUISE: 90g10 STATION: SB062.PL DATE: Jul 17 09:56:31 1990

LATITUDE: 29 03.65 LONGITUDE: 91 53.00

TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH

TRANSMITTANCE IN VOLTS

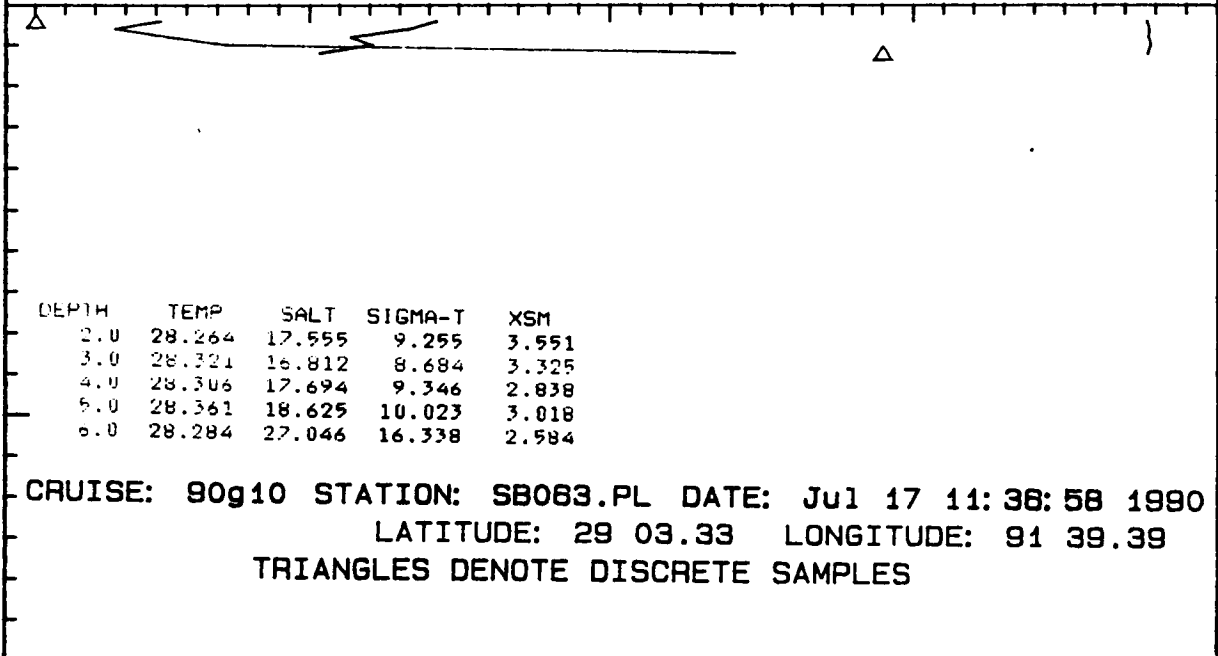
2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

20.00 25.00 30.00



TRANSMITTANCE IN VOLTS

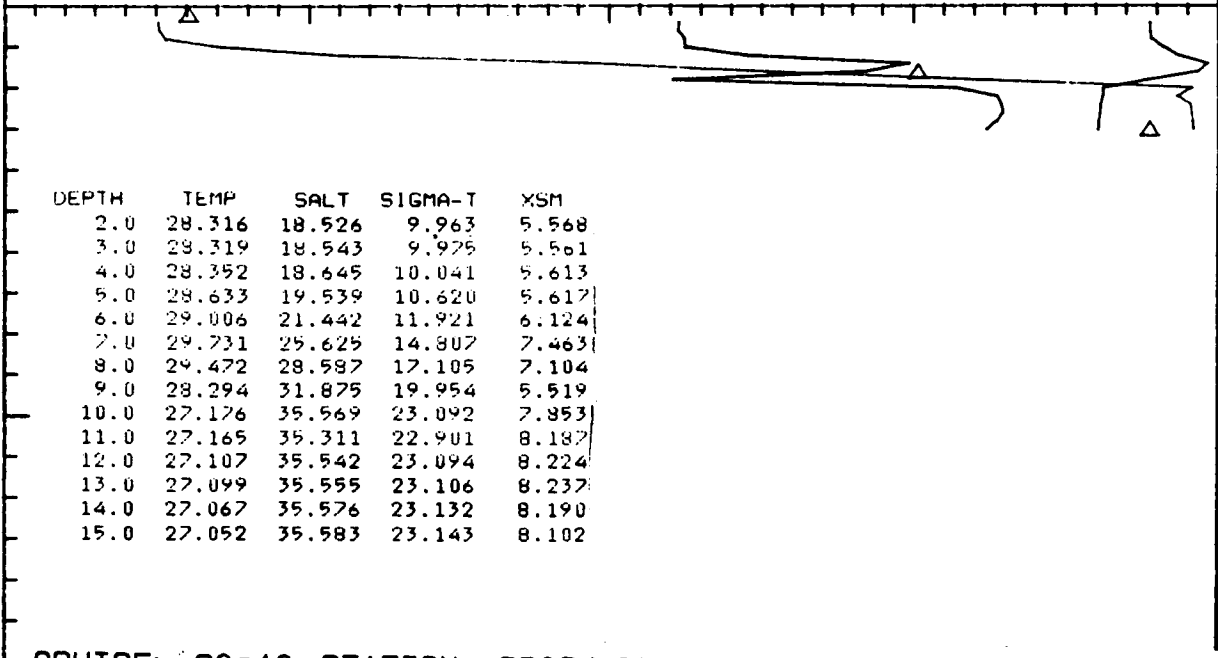
2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

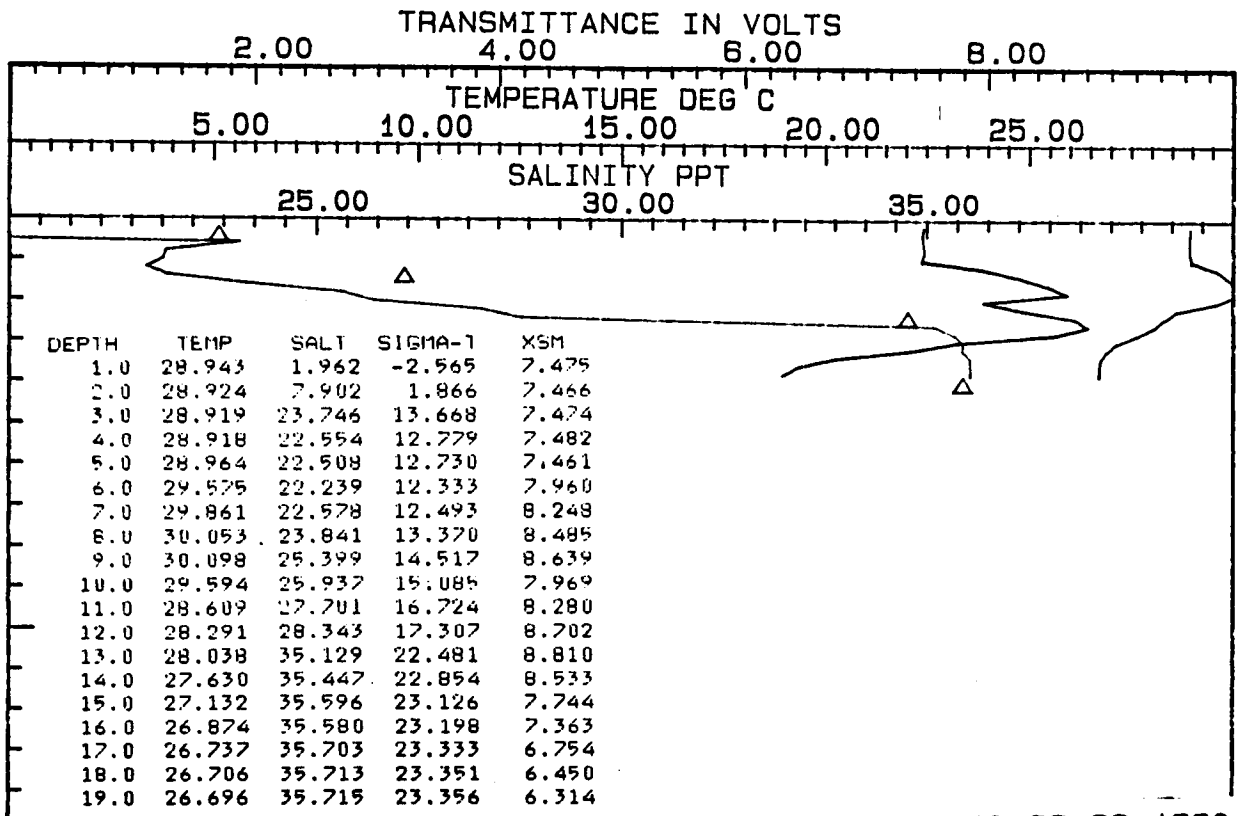
21.00 26.00 31.00

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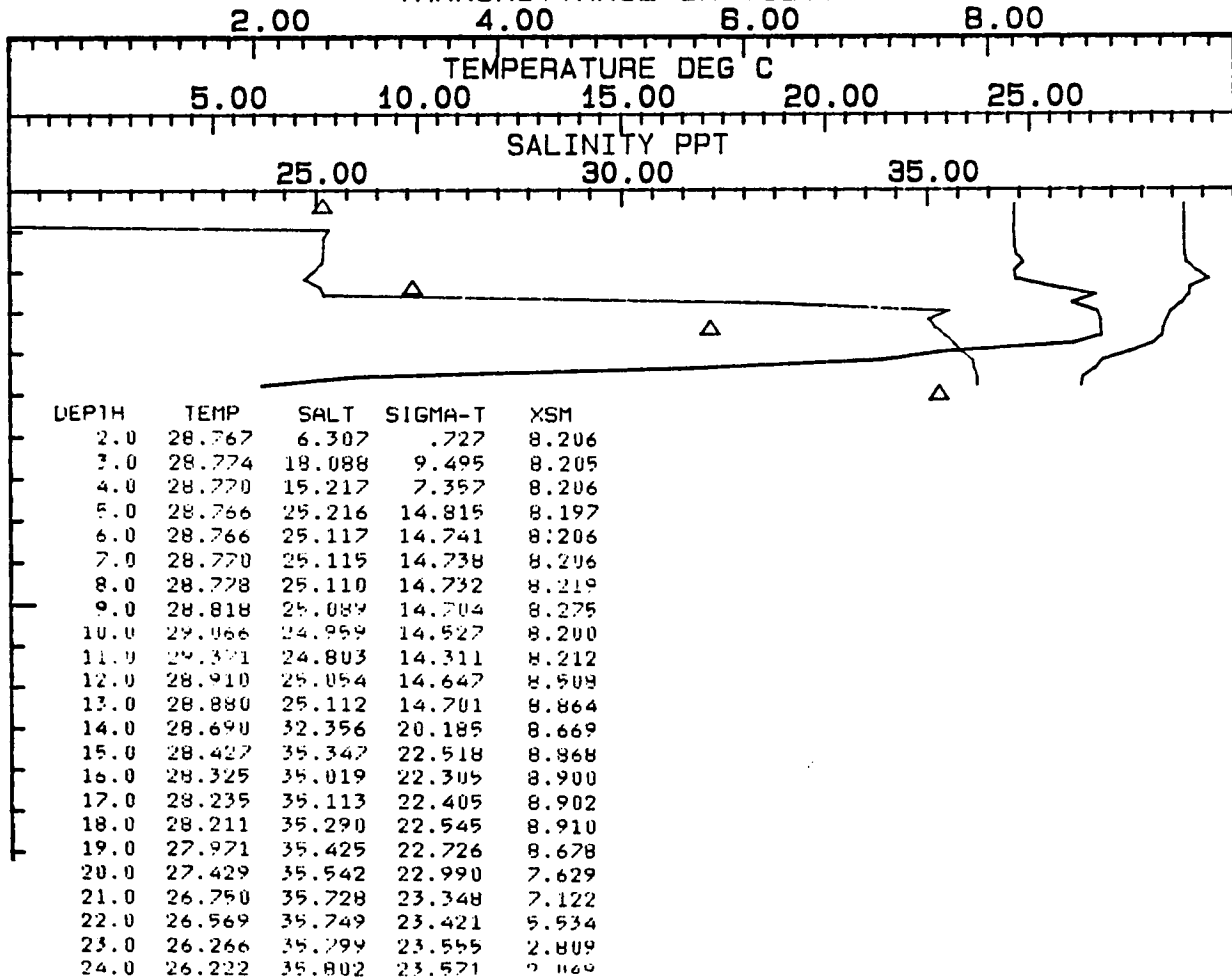
D
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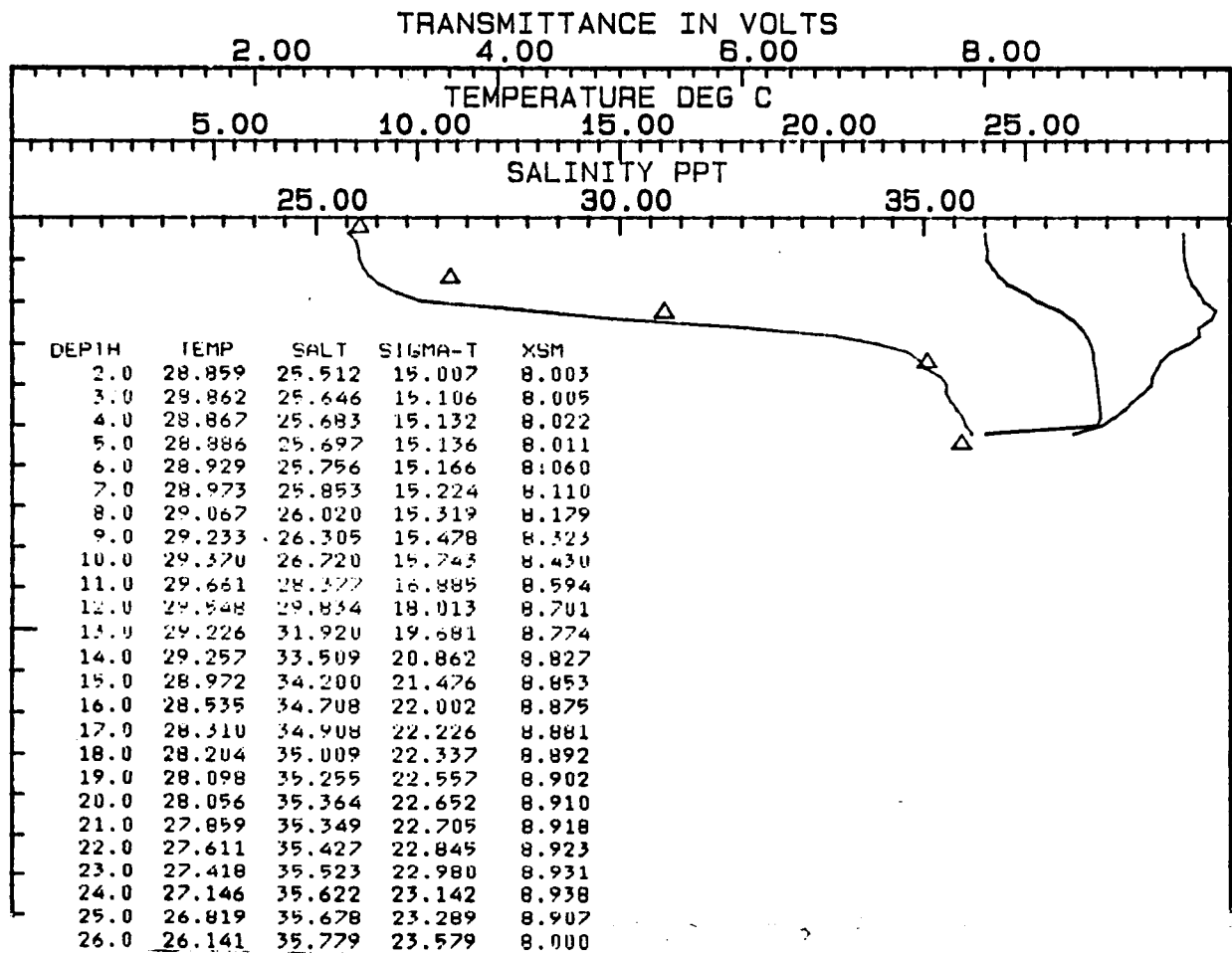
CRUISE: 90g10 STATION: SB065.PL DATE: Jul 17 13:26:22 1990
 LATITUDE: 28 52.97 LONGITUDE: 91 44.31

TRIANGLES DENOTE DISCRETE SAMPLES
 TRANSMITTANCE IN VOLTS

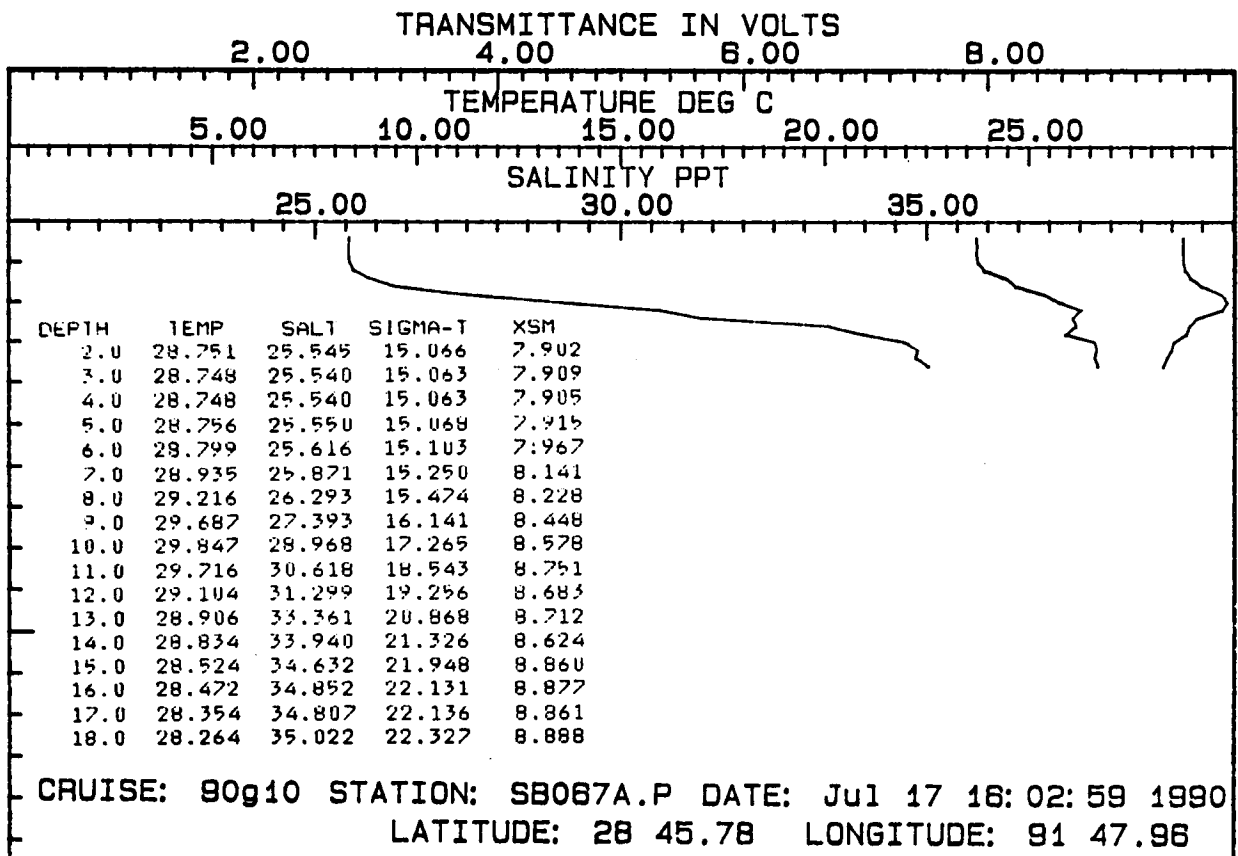


CRUISE: 90g10 STATION: SB066.PL DATE: Jul 17 14:13:19 1990
 LATITUDE: 28 49.00 LONGITUDE: 91 46.30

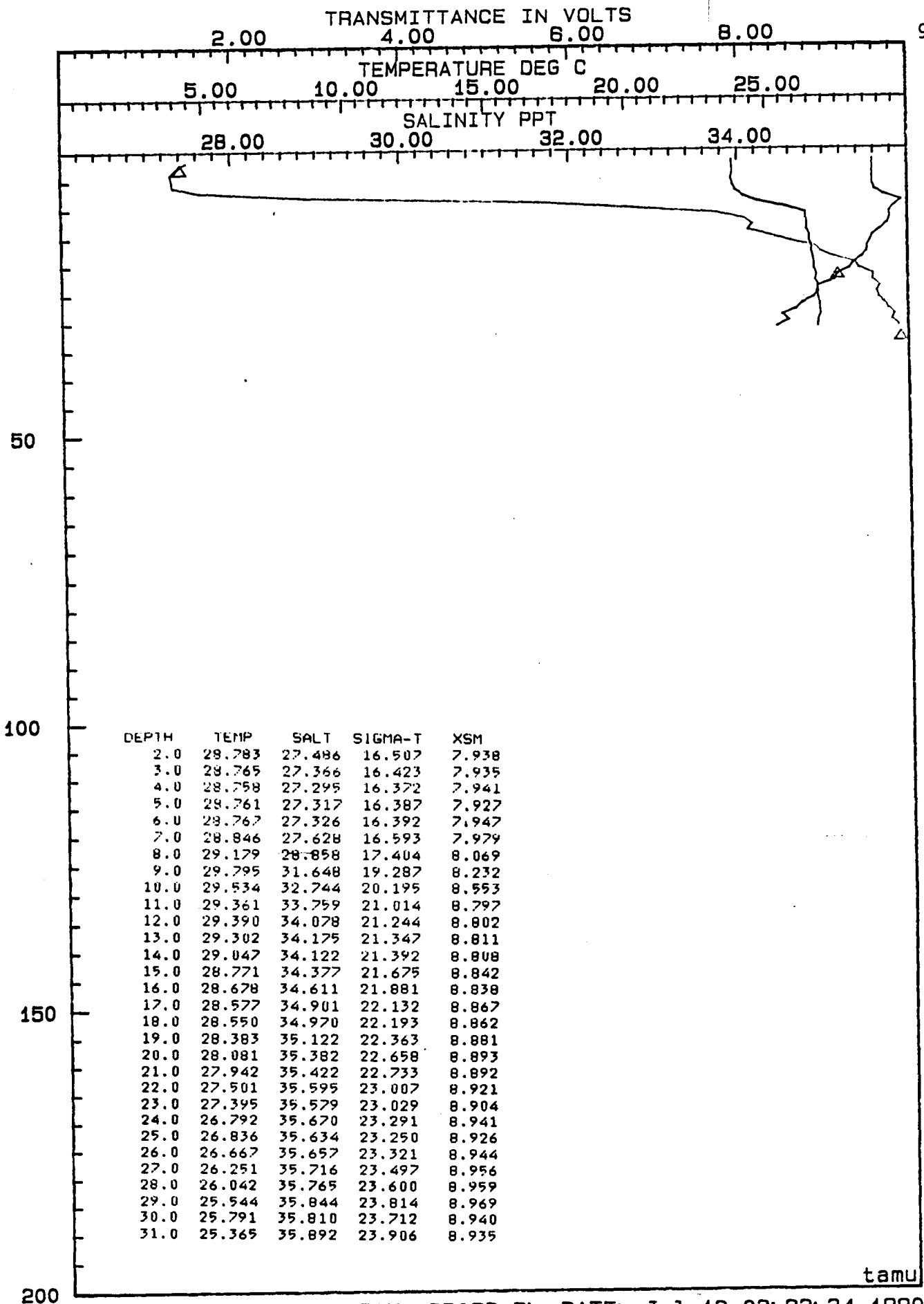
TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 80g10 STATION: SB067.PL DATE: Jul 17 14: 55: 59 1990
 LATITUDE: 28 45.26 LONGITUDE: 91 47.98
 TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 80g10 STATION: SB067A.P DATE: Jul 17 16: 02: 59 1990
 LATITUDE: 28 45.78 LONGITUDE: 91 47.96



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CRUISE: 90g10 STATION: SB088.PL DATE: Jul 18 03: 22: 34 1990
 LATITUDE: 28 40.11 LONGITUDE: 91 50.04
 TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

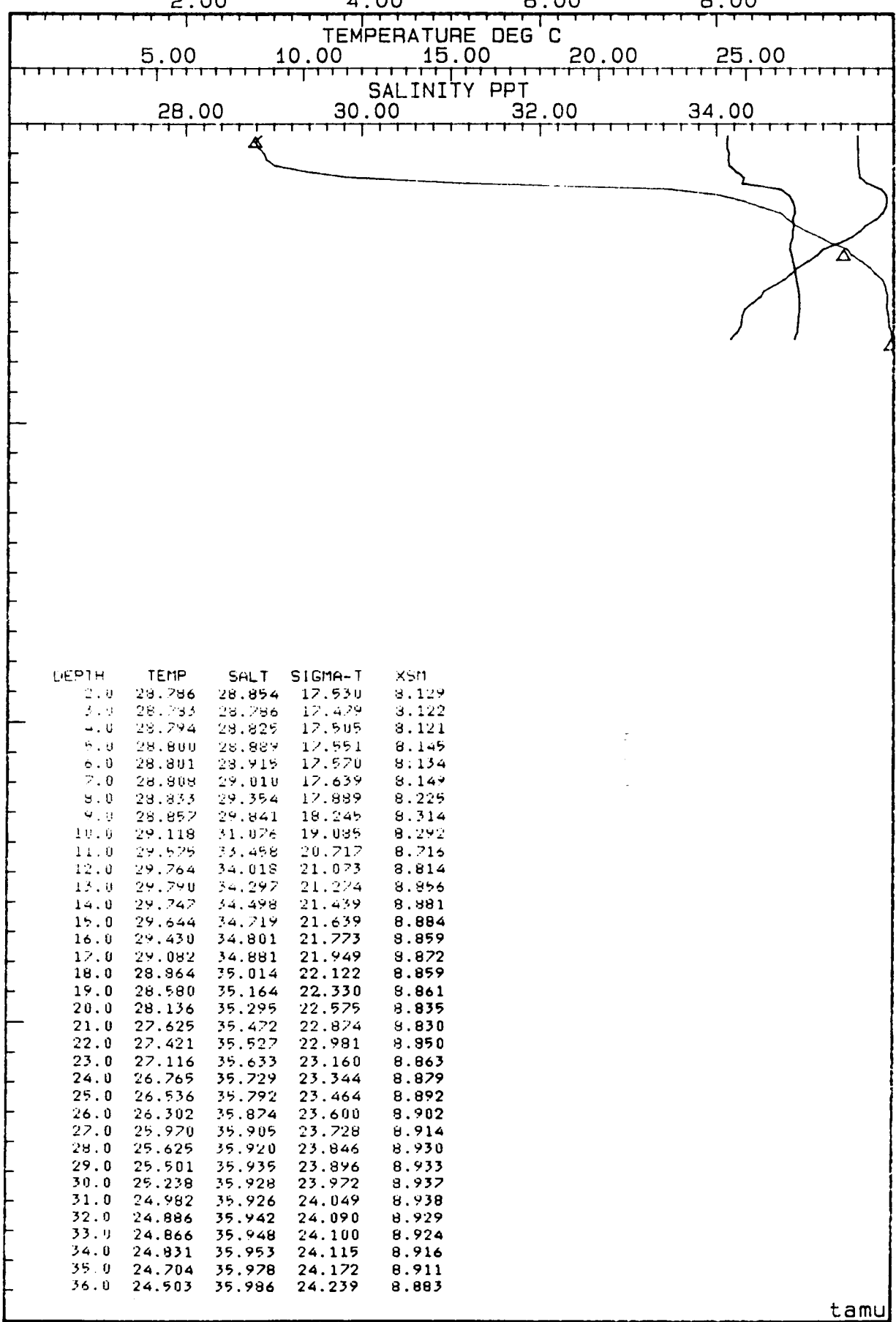
5.00 10.00 15.00 20.00 25.00

SALINITY PPT

28.00 30.00 32.00 34.00

DEPTH IN METERS

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100
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DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.786	28.854	17.530	8.129
3.0	28.793	28.786	17.479	8.122
4.0	28.794	28.829	17.505	8.121
5.0	28.800	28.889	17.551	8.145
6.0	28.801	28.919	17.570	8.134
7.0	28.808	29.010	17.639	8.149
8.0	28.833	29.354	17.889	8.225
9.0	28.857	29.841	18.245	8.314
10.0	29.118	31.076	19.085	8.292
11.0	29.575	33.458	20.717	8.716
12.0	29.764	34.018	21.073	8.814
13.0	29.790	34.297	21.274	8.856
14.0	29.747	34.498	21.439	8.881
15.0	29.644	34.719	21.639	8.884
16.0	29.430	34.801	21.773	8.859
17.0	29.082	34.881	21.949	8.872
18.0	28.864	35.014	22.122	8.859
19.0	28.580	35.164	22.330	8.861
20.0	28.136	35.295	22.575	8.835
21.0	27.625	35.472	22.874	8.830
22.0	27.421	35.527	22.981	8.850
23.0	27.116	35.633	23.160	8.863
24.0	26.765	35.729	23.344	8.879
25.0	26.536	35.792	23.464	8.892
26.0	26.302	35.874	23.600	8.902
27.0	25.970	35.905	23.728	8.914
28.0	25.625	35.920	23.846	8.930
29.0	25.501	35.935	23.896	8.933
30.0	25.238	35.928	23.972	8.937
31.0	24.982	35.926	24.049	8.938
32.0	24.886	35.942	24.090	8.929
33.0	24.866	35.948	24.100	8.924
34.0	24.831	35.953	24.115	8.916
35.0	24.704	35.978	24.172	8.911
36.0	24.503	35.986	24.239	8.883

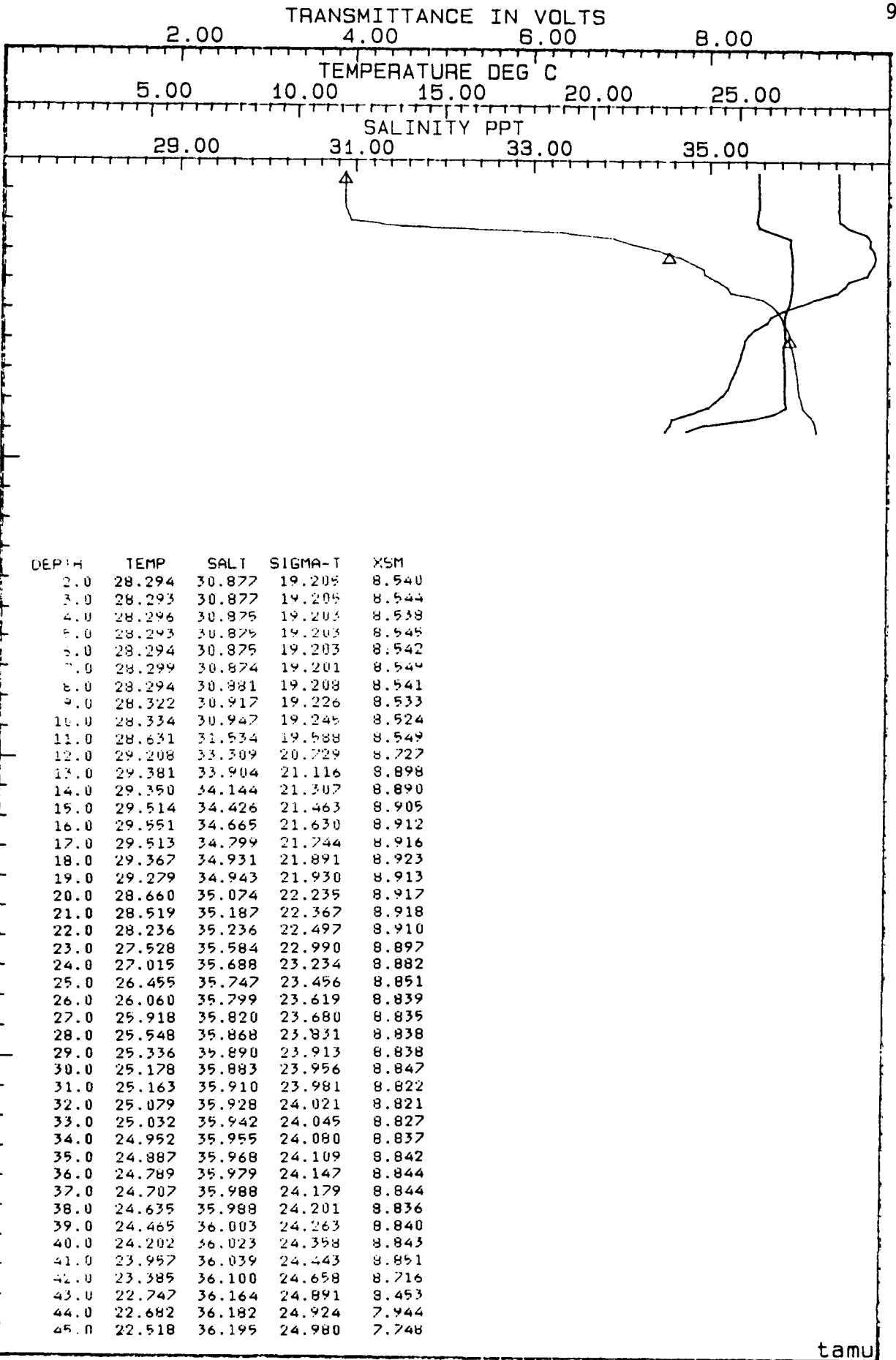
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CRUISE: 90g10 STATION: SB069.PL DATE: Jul 18 04: 16: 56 1990

LATITUDE: 28 35.53 LONGITUDE: 91 52.92

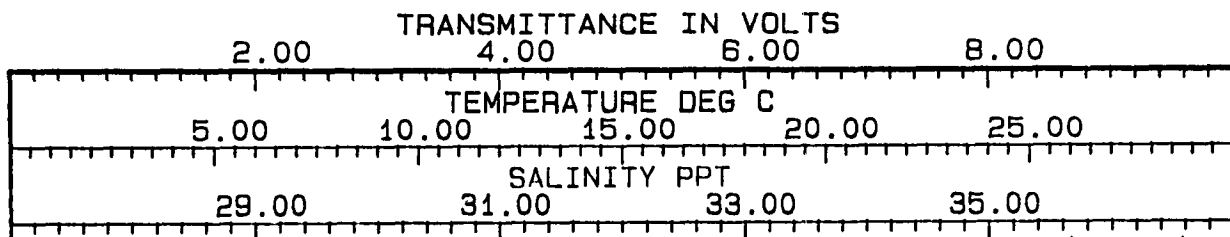
TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH IN METERS



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CRUISE: 90g10 STATION: SB070.PL DATE: Jul 18 05: 07: 32 1990
 LATITUDE: 28 29.96 LONGITUDE: 91 55.60
 TRIANGLES DENOTE DISCRETE SAMPLES



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DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.722	31.173	19.557	8.667
3.0	28.734	31.755	19.720	8.670
4.0	28.750	31.581	19.584	8.686
5.0	28.765	31.495	19.514	8.699
6.0	28.769	31.461	19.488	8.698
7.0	28.800	31.533	19.532	8.727
8.0	28.832	31.491	19.490	8.701
9.0	28.897	31.431	19.423	8.722
10.0	28.953	31.359	19.351	8.761
11.0	28.959	31.672	19.583	8.752
12.0	29.099	33.179	20.667	8.771
13.0	29.103	33.176	20.663	8.841
14.0	29.109	33.354	20.795	8.822
15.0	29.176	33.912	21.191	8.895
16.0	29.175	33.890	21.175	8.862
17.0	29.261	34.331	21.477	8.887
18.0	29.377	35.052	21.979	8.940
19.0	29.389	35.249	22.123	8.899
20.0	29.411	35.805	22.532	8.945
21.0	29.380	35.789	22.531	8.929
22.0	29.190	36.042	22.785	8.944
23.0	28.980	36.148	22.936	8.953
24.0	28.683	36.172	23.053	8.937
25.0	28.104	36.032	23.139	8.939
26.0	27.311	35.867	23.273	8.930
27.0	26.881	35.789	23.353	8.923
28.0	26.470	35.777	23.474	8.914
29.0	26.155	35.795	23.586	8.919
30.0	25.801	35.798	23.699	8.918
31.0	25.493	35.859	23.841	8.921
32.0	25.182	35.892	23.962	8.931
33.0	24.937	35.942	24.074	8.933
34.0	24.816	35.962	24.127	8.931
35.0	24.581	35.991	24.219	8.937
36.0	24.290	36.047	24.349	8.936
37.0	24.093	36.090	24.441	8.942
38.0	24.014	36.107	24.477	8.934
39.0	24.031	36.102	24.469	8.944
40.0	23.739	36.114	24.564	8.943
41.0	23.463	36.127	24.655	8.952
42.0	23.426	36.134	24.672	8.949
43.0	23.115	36.146	24.771	8.952
44.0	23.083	36.155	24.788	8.949
45.0	22.810	36.196	24.897	8.948
46.0	22.613	36.193	24.951	8.877
47.0	22.396	36.204	25.022	8.745
48.0	22.264	36.204	25.060	8.394
49.0	22.065	36.197	25.111	7.620
50.0	21.983	36.201	25.137	7.138
51.0	21.964	36.198	25.140	6.900

DEPTH	TEMP	SALT	SIGMA-T	XSM
52.0	21.920	36.198	25.139	6.277
53.0	21.948	36.197	25.139	6.520
54.0	21.943	36.195	25.133	6.535
55.0	21.946	36.198	25.135	6.130

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CRUISE: 90g10 STATION: SB071.PL DATE: Jul 18 05:57:13 1990
 LATITUDE: 28 25.07 LONGITUDE: 91 57.59
 TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

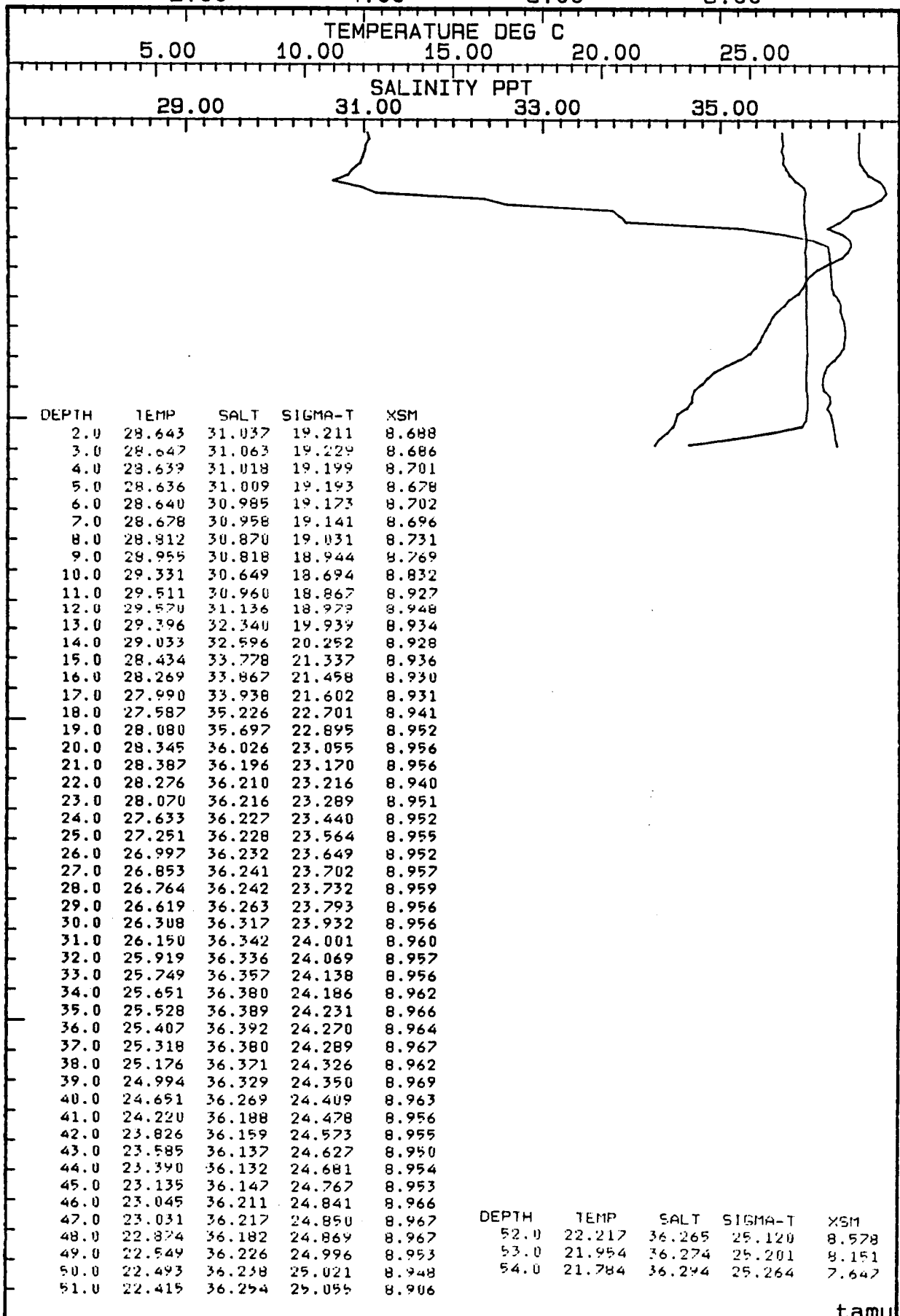
2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

29.00 31.00 33.00 35.00



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DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.643	31.037	19.211	8.688
3.0	28.647	31.063	19.229	8.686
4.0	28.639	31.018	19.199	8.701
5.0	28.636	31.009	19.193	8.678
6.0	28.640	30.985	19.173	8.702
7.0	28.678	30.958	19.141	8.696
8.0	28.812	30.870	19.031	8.731
9.0	28.955	30.818	18.944	8.769
10.0	29.331	30.649	18.694	8.832
11.0	29.511	30.960	18.867	8.927
12.0	29.570	31.136	18.979	8.948
13.0	29.396	32.340	19.939	8.934
14.0	29.033	32.596	20.252	8.928
15.0	28.434	33.778	21.337	8.936
16.0	28.269	33.867	21.458	8.930
17.0	27.990	33.938	21.602	8.931
18.0	27.587	35.226	22.701	8.941
19.0	28.080	35.697	22.895	8.952
20.0	28.345	36.026	23.055	8.956
21.0	28.387	36.196	23.170	8.956
22.0	28.276	36.210	23.216	8.940
23.0	28.070	36.216	23.289	8.951
24.0	27.633	36.227	23.440	8.952
25.0	27.251	36.228	23.564	8.955
26.0	26.997	36.232	23.649	8.952
27.0	26.853	36.241	23.702	8.957
28.0	26.764	36.242	23.732	8.959
29.0	26.619	36.263	23.793	8.956
30.0	26.308	36.317	23.932	8.956
31.0	26.150	36.342	24.001	8.960
32.0	25.919	36.336	24.069	8.957
33.0	25.749	36.357	24.138	8.956
34.0	25.651	36.380	24.186	8.962
35.0	25.528	36.389	24.231	8.966
36.0	25.407	36.392	24.270	8.964
37.0	25.318	36.380	24.289	8.967
38.0	25.176	36.371	24.326	8.962
39.0	24.994	36.329	24.350	8.969
40.0	24.651	36.269	24.409	8.963
41.0	24.220	36.188	24.478	8.956
42.0	23.826	36.159	24.573	8.955
43.0	23.585	36.137	24.627	8.950
44.0	23.390	36.132	24.681	8.954
45.0	23.135	36.147	24.767	8.953
46.0	23.045	36.211	24.841	8.966
47.0	23.031	36.217	24.850	8.967
48.0	22.874	36.182	24.869	8.967
49.0	22.549	36.226	24.996	8.953
50.0	22.493	36.238	25.021	8.948
51.0	22.415	36.254	25.055	8.906

DEPTH	TEMP	SALT	SIGMA-T	XSM
52.0	22.217	36.265	25.120	8.578
53.0	21.954	36.274	25.201	8.151
54.0	21.784	36.294	25.264	7.647

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CRUISE: 90g10 STATION: SB072.PL DATE: Jul 18 07: 42: 09 1990
LATITUDE: 28 20.14 LONGITUDE: 92 00.07

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00 100

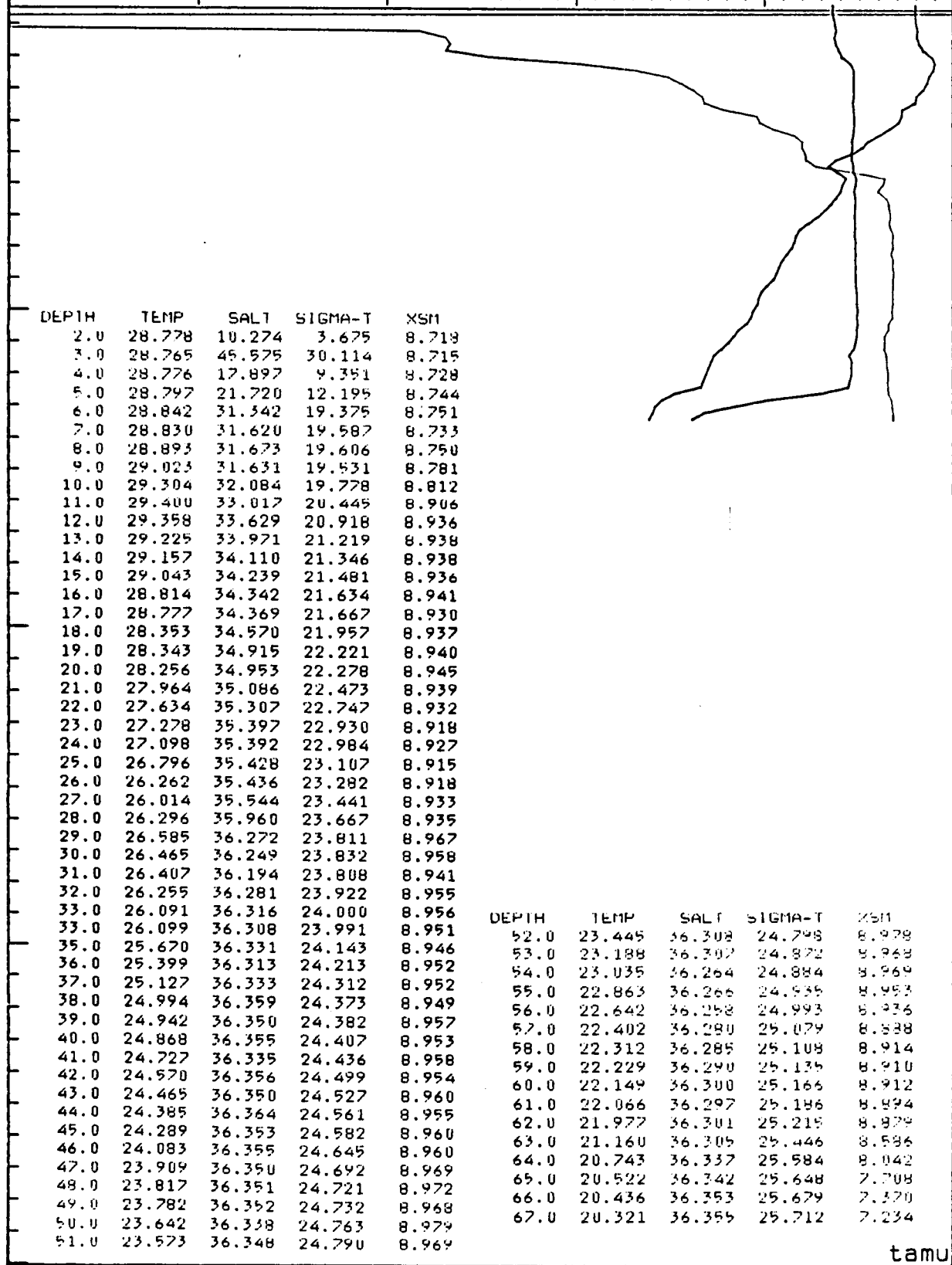
TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

29.00 31.00 33.00 35.00

50
100
150
200



DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.778	10.274	3.675	8.718
3.0	28.765	45.575	30.114	8.715
4.0	28.776	17.897	9.351	8.728
5.0	28.797	21.720	12.195	8.744
6.0	28.842	31.542	19.375	8.751
7.0	28.830	31.620	19.587	8.733
8.0	28.893	31.673	19.606	8.750
9.0	29.023	31.631	19.531	8.781
10.0	29.304	32.084	19.778	8.812
11.0	29.400	33.017	20.445	8.906
12.0	29.358	33.629	20.918	8.936
13.0	29.225	33.971	21.219	8.938
14.0	29.157	34.110	21.346	8.938
15.0	29.043	34.239	21.481	8.936
16.0	28.814	34.342	21.634	8.941
17.0	28.777	34.369	21.667	8.930
18.0	28.353	34.570	21.957	8.937
19.0	28.343	34.915	22.221	8.940
20.0	28.256	34.953	22.278	8.945
21.0	27.964	35.086	22.473	8.939
22.0	27.634	35.307	22.747	8.932
23.0	27.278	35.397	22.930	8.918
24.0	27.098	35.392	22.984	8.927
25.0	26.796	35.428	23.107	8.915
26.0	26.262	35.436	23.282	8.918
27.0	26.014	35.544	23.441	8.933
28.0	26.296	35.960	23.667	8.935
29.0	26.585	36.272	23.811	8.967
30.0	26.465	36.249	23.832	8.958
31.0	26.407	36.194	23.808	8.941
32.0	26.255	36.281	23.922	8.955
33.0	26.091	36.316	24.000	8.956
33.0	26.099	36.308	23.991	8.951
35.0	25.670	36.331	24.143	8.946
36.0	25.399	36.313	24.213	8.952
37.0	25.127	36.333	24.312	8.952
38.0	24.994	36.359	24.373	8.949
39.0	24.942	36.350	24.382	8.957
40.0	24.868	36.355	24.407	8.953
41.0	24.727	36.335	24.436	8.958
42.0	24.570	36.356	24.499	8.954
43.0	24.465	36.350	24.527	8.960
44.0	24.385	36.364	24.561	8.955
45.0	24.289	36.353	24.582	8.960
46.0	24.083	36.355	24.645	8.960
47.0	23.909	36.350	24.692	8.969
48.0	23.817	36.351	24.721	8.972
49.0	23.782	36.352	24.732	8.968
50.0	23.642	36.338	24.763	8.979
51.0	23.573	36.348	24.790	8.969

DEPTH	TEMP	SALT	SIGMA-T	XSM
52.0	23.445	36.308	24.795	8.978
53.0	23.188	36.307	24.872	8.968
54.0	23.035	36.264	24.884	8.969
55.0	22.863	36.266	24.935	8.953
56.0	22.642	36.258	24.993	8.936
57.0	22.402	36.280	25.079	8.938
58.0	22.312	36.285	25.108	8.914
59.0	22.229	36.290	25.135	8.910
60.0	22.149	36.300	25.166	8.912
61.0	22.066	36.297	25.186	8.894
62.0	21.977	36.301	25.215	8.879
63.0	21.160	36.305	25.446	8.586
64.0	20.743	36.337	25.584	8.042
65.0	20.522	36.342	25.648	7.708
66.0	20.436	36.353	25.679	7.370
67.0	20.321	36.355	25.712	7.234

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CRUISE: 90g10 STATION: SB073.PL DATE: Jul 18 09: 02: 32 1990
 LATITUDE: 28 12.57 LONGITUDE: 92 03.71
 TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

29.00 31.00 33.00 35.00

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DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	28.805	32.836	20.787	8.756
2.0	28.807	32.686	20.394	8.838
3.0	28.805	32.832	20.504	8.836
4.0	28.805	32.558	20.298	8.875
5.0	28.806	32.573	20.310	8.829
6.0	28.806	32.490	20.247	8.881
7.0	28.807	32.491	20.247	8.873
8.0	28.814	32.458	20.221	8.883
9.0	28.815	32.449	20.214	8.876
10.0	28.816	32.443	20.208	8.883
11.0	28.821	32.440	20.205	8.880
12.0	28.825	32.447	20.208	8.869
13.0	29.189	32.198	19.901	8.871
14.0	29.749	31.839	19.445	8.827
15.0	29.582	32.055	19.663	8.939
16.0	29.335	32.392	19.999	8.931
17.0	29.175	33.782	21.094	8.946
18.0	28.542	34.549	21.880	8.929
19.0	27.922	34.867	22.322	8.794
20.0	27.902	34.911	22.362	8.933
21.0	27.450	35.318	22.815	8.931
22.0	26.810	35.646	23.268	8.938
23.0	26.840	35.966	23.499	8.944
24.0	27.087	36.229	23.618	8.960
25.0	27.122	36.259	23.629	8.964
26.0	27.168	36.289	23.637	8.962
27.0	27.145	36.316	23.665	8.959
28.0	26.961	36.337	23.740	8.962
29.0	26.799	36.343	23.797	8.963
30.0	26.738	36.347	23.819	8.959
31.0	26.694	36.335	23.823	8.965
32.0	26.644	36.334	23.839	8.958
33.0	26.395	36.292	23.886	8.958
34.0	26.125	36.274	23.957	8.956
35.0	25.794	36.239	24.035	8.955
36.0	25.300	36.243	24.191	8.948
37.0	24.915	36.285	24.340	8.954
38.0	24.761	36.305	24.403	8.959
39.0	24.678	36.310	24.432	8.954
40.0	24.491	36.305	24.485	8.959
41.0	24.354	36.331	24.546	8.954
42.0	24.257	36.336	24.578	8.955
43.0	24.157	36.347	24.616	8.954
44.0	24.026	36.369	24.673	8.955
45.0	23.994	36.383	24.693	8.958
46.0	23.933	36.387	24.713	8.959
47.0	23.746	36.357	24.746	8.962
48.0	23.287	36.272	24.817	8.960
49.0	23.096	36.267	24.868	8.963
50.0	22.993	36.268	24.899	8.960

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DEPTH	TEMP	SALT	SIGMA-T	XSM
51.0	22.876	36.260	24.927	8.965
52.0	22.784	36.265	24.957	8.962
53.0	22.720	36.277	24.985	8.956
54.0	22.571	36.264	25.018	8.955
55.0	22.479	36.275	25.052	8.962
56.0	22.491	36.276	25.050	8.955
57.0	22.241	36.283	25.126	8.966
58.0	22.204	36.288	25.140	8.960
59.0	22.008	36.302	25.207	8.966
60.0	21.939	36.308	25.231	8.962
61.0	21.888	36.308	25.245	8.970
62.0	21.829	36.309	25.262	8.971
63.0	21.725	36.326	25.304	8.962
64.0	21.710	36.321	25.305	8.971
65.0	21.685	36.324	25.315	8.967
66.0	21.660	36.326	25.323	8.971
67.0	21.637	36.326	25.329	8.972
68.0	21.572	36.332	25.352	8.972
69.0	21.530	36.335	25.365	8.985
70.0	21.523	36.336	25.368	8.981
71.0	21.499	36.335	25.374	8.975
72.0	21.440	36.335	25.391	8.973
73.0	21.355	36.346	25.423	8.953
74.0	21.054	36.319	25.485	8.902
75.0	20.654	36.359	25.625	8.799
76.0	20.478	36.363	25.675	8.745
77.0	20.284	36.348	25.716	8.644
78.0	19.955	36.348	25.804	8.421
79.0	19.768	36.369	25.869	8.234
80.0	19.695	36.364	25.885	8.129
81.0	19.591	36.367	25.914	7.935
82.0	19.488	36.369	25.943	7.644
83.0	19.489	36.380	25.951	7.480

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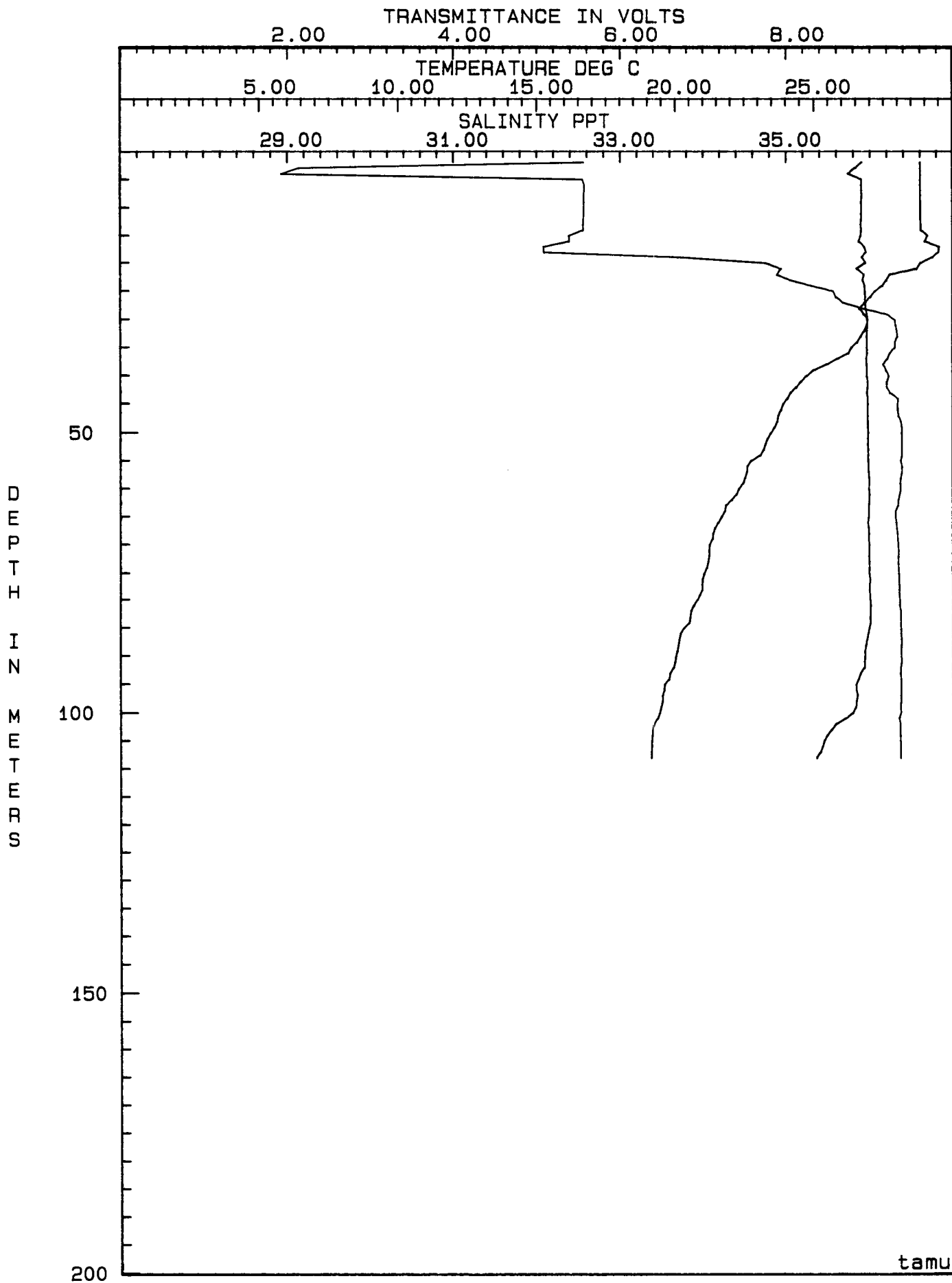
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CRUISE: 90g10 STATION: SB074.PL DATE: Jul 18 09:58:28 1980
 LATITUDE: 28 07.16 LONGITUDE: 92 06.47

STATION SB075.PLT::: CRUISE 20g10 DATE & TIME Wed Jul 18 10:57:18 1990. Julian day = 199
 LAT 28 01.21 LON 92 09.66 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.804	32.558	20.299	8.901	52.0	23.247	36.379	24.910	8.970	102.0	19.180	36.351	26.009	8.988
3.0	28.810	29.140	17.736	8.803	53.0	23.182	36.380	24.929	8.973	103.0	19.145	36.352	26.019	8.933
4.0	28.807	28.929	17.578	8.735	54.0	23.065	36.380	24.964	8.972	104.0	19.125	36.354	26.025	8.481
5.0	28.803	32.546	20.290	8.895	55.0	22.730	36.366	25.050	8.974	105.0	19.111	36.356	26.031	8.445
6.0	28.804	32.570	20.308	8.892	56.0	22.588	36.380	25.101	8.977	106.0	19.106	36.356	26.032	8.429
7.0	28.805	32.568	20.306	8.896	57.0	22.572	36.380	25.106	8.978	107.0	19.103	36.356	26.033	8.401
8.0	28.805	32.561	20.301	8.899	58.0	22.514	36.367	25.112	8.986	108.0	19.095	36.358	26.036	8.354
9.0	28.805	32.565	20.304	8.893	59.0	22.442	36.358	25.126	8.988					
10.0	28.806	32.561	20.300	8.894	60.0	22.287	36.365	25.176	8.982					
11.0	28.807	32.564	20.303	8.893	61.0	22.199	36.352	25.191	8.989					
12.0	28.813	32.559	20.297	8.893	62.0	22.021	36.334	25.228	8.985					
13.0	28.823	32.553	20.289	8.888	63.0	21.812	36.331	25.284	8.981					
14.0	28.825	32.553	20.288	8.892	64.0	21.770	36.301	25.273	8.980					
15.0	29.071	32.386	20.082	8.885	65.0	21.660	36.302	25.304	8.978					
16.0	28.959	32.385	20.118	8.862	66.0	21.538	36.310	25.345	8.970					
17.0	29.488	32.081	19.714	8.929	67.0	21.416	36.316	25.383	8.979					
18.0	29.465	32.090	19.728	8.948	68.0	21.339	36.326	25.412	8.982					
19.0	29.238	33.787	21.077	8.900	69.0	21.322	36.330	25.420	8.979					
20.0	28.814	34.757	21.946	8.941	70.0	21.213	36.332	25.451	8.985					
21.0	28.670	34.942	22.133	8.836	71.0	21.200	36.336	25.458	8.986					
22.0	27.699	34.891	22.413	8.928	72.0	21.197	36.335	25.458	8.983					
23.0	27.575	35.055	22.577	8.910	73.0	21.158	36.333	25.467	8.988					
24.0	27.436	35.304	22.809	8.931	74.0	21.115	36.339	25.483	8.988					
25.0	27.171	35.559	23.086	8.935	75.0	21.020	36.342	25.512	8.985					
26.0	27.011	35.591	23.162	8.939	76.0	20.962	36.344	25.530	8.994					
27.0	26.818	35.682	23.292	8.937	77.0	20.944	36.346	25.536	8.991					
28.0	26.606	35.922	23.540	8.946	78.0	20.947	36.346	25.535	8.988					
29.0	26.767	36.199	23.698	8.962	79.0	20.854	36.345	25.560	8.993					
30.0	26.906	36.293	23.725	8.967	80.0	20.776	36.352	25.586	8.996					
31.0	26.879	36.307	23.743	8.965	81.0	20.643	36.349	25.620	8.999					
32.0	26.789	36.319	23.781	8.962	82.0	20.541	36.361	25.657	8.995					
33.0	26.659	36.329	23.830	8.959	83.0	20.503	36.362	25.668	8.992					
34.0	26.536	36.295	23.844	8.960	84.0	20.475	36.360	25.674	8.995					
35.0	26.322	36.296	23.912	8.958	85.0	20.282	36.365	25.730	8.982					
36.0	26.218	36.235	23.899	8.963	86.0	20.148	36.364	25.764	8.969					
37.0	25.837	36.209	23.999	8.951	87.0	20.113	36.370	25.779	8.955					
38.0	25.447	36.155	24.079	8.955	88.0	20.073	36.369	25.788	8.940					
39.0	24.989	36.189	24.246	8.958	89.0	20.035	36.367	25.797	8.930					
40.0	24.719	36.223	24.353	8.956	90.0	19.987	36.369	25.811	8.929					
41.0	24.515	36.199	24.397	8.968	91.0	19.955	36.369	25.820	8.924					
42.0	24.352	36.198	24.445	8.969	92.0	19.903	36.361	25.827	8.924					
43.0	24.149	36.235	24.534	8.958	93.0	19.768	36.355	25.859	8.876					
44.0	24.036	36.333	24.642	8.968	94.0	19.738	36.366	25.875	8.852					
45.0	23.880	36.328	24.685	8.969	95.0	19.568	36.364	25.918	8.824					
46.0	23.801	36.330	24.709	8.967	96.0	19.559	36.364	25.920	8.827					
47.0	23.701	36.336	24.744	8.969	97.0	19.505	36.361	25.932	8.839					
48.0	23.671	36.368	24.776	8.969	98.0	19.496	36.362	25.936	8.828					
49.0	23.574	36.377	24.813	8.971	99.0	19.444	36.357	25.945	8.820					
50.0	23.444	36.375	24.849	8.974	100.0	19.396	36.360	25.959	8.785					
51.0	23.324	36.378	24.886	8.970	101.0	19.324	36.338	25.962	8.705					



CRUISE: 90g10 STATION: SB075.PL DATE: Jul 18 10:57:18 1990
LATITUDE: 28 01.21 LONGITUDE: 92 09.66

STATION 58076.PLT::: CRUISE 90g10 DATE & TIME Wed Jul 18 11:54:59 1990, Julian day = 199
 LAT 27 55.51 LON 92 12.19 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.878	32.917	20.544	8.881	54.0	23.109	36.367	24.941	8.967	104.0	19.521	36.440	25.989	9.020
5.0	28.882	32.918	20.543	8.903	55.0	23.057	36.362	24.952	8.964	105.0	19.386	36.428	26.014	9.023
6.0	28.885	32.918	20.542	8.906	56.0	22.940	36.357	24.983	8.969	106.0	19.249	36.405	26.032	9.010
7.0	28.891	32.924	20.545	8.908	57.0	22.837	36.360	25.014	8.966	107.0	19.081	36.415	26.084	8.999
8.0	28.908	32.942	20.552	8.906	58.0	22.763	36.364	25.039	8.969	108.0	18.884	36.333	26.071	8.989
9.0	28.905	32.940	20.552	8.902	59.0	22.659	36.356	25.063	8.969	109.0	18.609	36.342	26.148	8.965
10.0	29.006	33.105	20.643	8.913	60.0	22.589	36.369	25.093	8.967	110.0	18.414	36.352	26.206	8.965
11.0	29.027	33.134	20.657	8.915	61.0	22.580	36.364	25.092	8.975	111.0	18.312	36.352	26.231	8.965
12.0	29.064	33.207	20.700	8.914	62.0	22.526	36.339	25.088	8.972	112.0	18.266	36.341	26.234	8.969
13.0	29.065	33.203	20.696	8.910	63.0	22.257	36.368	25.187	8.969	113.0	18.173	36.323	26.244	8.962
14.0	29.103	33.285	20.745	8.913	64.0	22.185	36.367	25.206	8.974	114.0	17.888	36.316	26.309	8.937
15.0	29.175	33.496	20.880	8.922	65.0	22.097	36.359	25.225	8.975	115.0	17.824	36.306	26.318	8.939
16.0	29.391	33.850	21.073	8.923	66.0	21.940	36.373	25.280	8.975	116.0	17.781	36.305	26.327	8.934
17.0	29.395	34.178	21.318	8.938	67.0	21.839	36.376	25.311	8.977	117.0	17.767	36.305	26.331	8.931
18.0	29.074	34.485	21.655	8.944	68.0	21.746	36.372	25.334	8.979	118.0	17.754	36.302	26.332	8.927
19.0	28.891	34.684	21.865	8.949	69.0	21.643	36.372	25.362	8.977	119.0	17.727	36.294	26.332	8.930
20.0	28.918	34.738	21.897	8.949	70.0	21.579	36.375	25.383	8.979	120.0	17.668	36.289	26.343	8.923
21.0	28.754	34.840	22.029	8.944	71.0	21.483	36.367	25.403	8.979	121.0	17.627	36.286	26.351	8.907
22.0	28.557	34.922	22.155	8.948	72.0	21.350	36.362	25.436	8.981	122.0	17.412	36.232	26.362	8.862
23.0	28.376	35.081	22.334	8.947	73.0	21.295	36.367	25.456	8.981	123.0	17.195	36.249	26.428	8.835
24.0	28.199	35.160	22.452	8.945	74.0	21.207	36.368	25.480	8.982	124.0	17.117	36.242	26.441	8.825
25.0	27.663	35.118	22.595	8.933	75.0	21.174	36.380	25.498	8.984	125.0	17.049	36.233	26.450	8.828
26.0	27.342	35.102	22.687	8.926	76.0	21.149	36.392	25.515	8.987	126.0	17.014	36.229	26.456	8.823
27.0	27.128	35.107	22.760	8.923	77.0	21.076	36.377	25.523	8.990	127.0	16.891	36.209	26.470	8.804
28.0	26.943	35.154	22.854	8.920	78.0	21.031	36.376	25.535	8.986	128.0	16.785	36.204	26.491	8.801
29.0	26.815	35.201	22.930	8.918	79.0	21.020	36.375	25.537	8.990	129.0	16.747	36.205	26.501	8.784
30.0	26.786	35.273	22.994	8.928	80.0	20.935	36.368	25.555	8.987	130.0	16.704	36.195	26.504	8.780
31.0	26.826	35.392	23.070	8.939	81.0	20.883	36.379	25.578	8.991	131.0	16.588	36.185	26.523	8.767
32.0	26.814	35.641	23.262	8.952	82.0	20.882	36.382	25.580	8.989	132.0	16.544	36.179	26.529	8.757
33.0	26.652	35.741	23.389	8.948	83.0	20.837	36.377	25.589	8.992	133.0	16.505	36.179	26.538	8.754
34.0	26.214	35.796	23.569	8.938	84.0	20.795	36.379	25.601	8.994	134.0	16.495	36.176	26.538	8.787
35.0	25.689	35.759	23.705	8.950	85.0	20.760	36.394	25.623	8.992	135.0	16.465	36.164	26.536	8.815
36.0	25.498	36.013	23.956	8.961	86.0	20.746	36.396	25.628	8.998	136.0	16.403	36.159	26.547	8.795
37.0	25.665	36.235	24.072	8.950	87.0	20.662	36.383	25.641	9.000	137.0	16.387	36.162	26.553	8.774
38.0	25.612	36.284	24.125	8.972	88.0	20.601	36.378	25.653	9.002	138.0	16.333	36.154	26.559	8.801
39.0	25.275	36.256	24.208	8.969	89.0	20.582	36.379	25.659	8.998	139.0	16.297	36.147	26.563	8.813
40.0	24.917	36.239	24.305	8.964	90.0	20.553	36.376	25.664	9.005	140.0	16.276	36.148	26.568	8.795
41.0	24.607	36.216	24.382	8.966	91.0	20.482	36.387	25.692	9.004	141.0	16.140	36.128	26.584	8.809
42.0	24.448	36.233	24.443	8.964	92.0	20.451	36.408	25.717	9.003	142.0	16.129	36.132	26.590	8.808
43.0	24.426	36.231	24.448	8.963	93.0	20.402	36.399	25.723	9.006					
44.0	24.334	36.232	24.477	8.963	94.0	20.376	36.418	25.745	9.007					
45.0	24.150	36.256	24.550	8.960	95.0	20.412	36.464	25.770	9.008					
46.0	23.903	36.241	24.612	8.966	96.0	20.438	36.477	25.773	9.004					
47.0	23.786	36.246	24.651	8.968	97.0	20.334	36.495	25.815	9.013					
48.0	23.722	36.266	24.685	8.966	98.0	20.298	36.507	25.834	9.010					
49.0	23.659	36.304	24.732	8.963	99.0	20.289	36.515	25.842	9.007					
50.0	23.623	36.319	24.754	8.969	100.0	20.156	36.517	25.879	9.013					
51.0	23.526	36.339	24.798	8.969	101.0	20.013	36.487	25.895	9.016					
52.0	23.365	36.370	24.868	8.966	102.0	19.800	36.480	25.946	9.017					
53.0	23.267	36.351	24.883	8.969	103.0	19.745	36.481	25.961	9.018					

TRANSMITTANCE IN VOLTS

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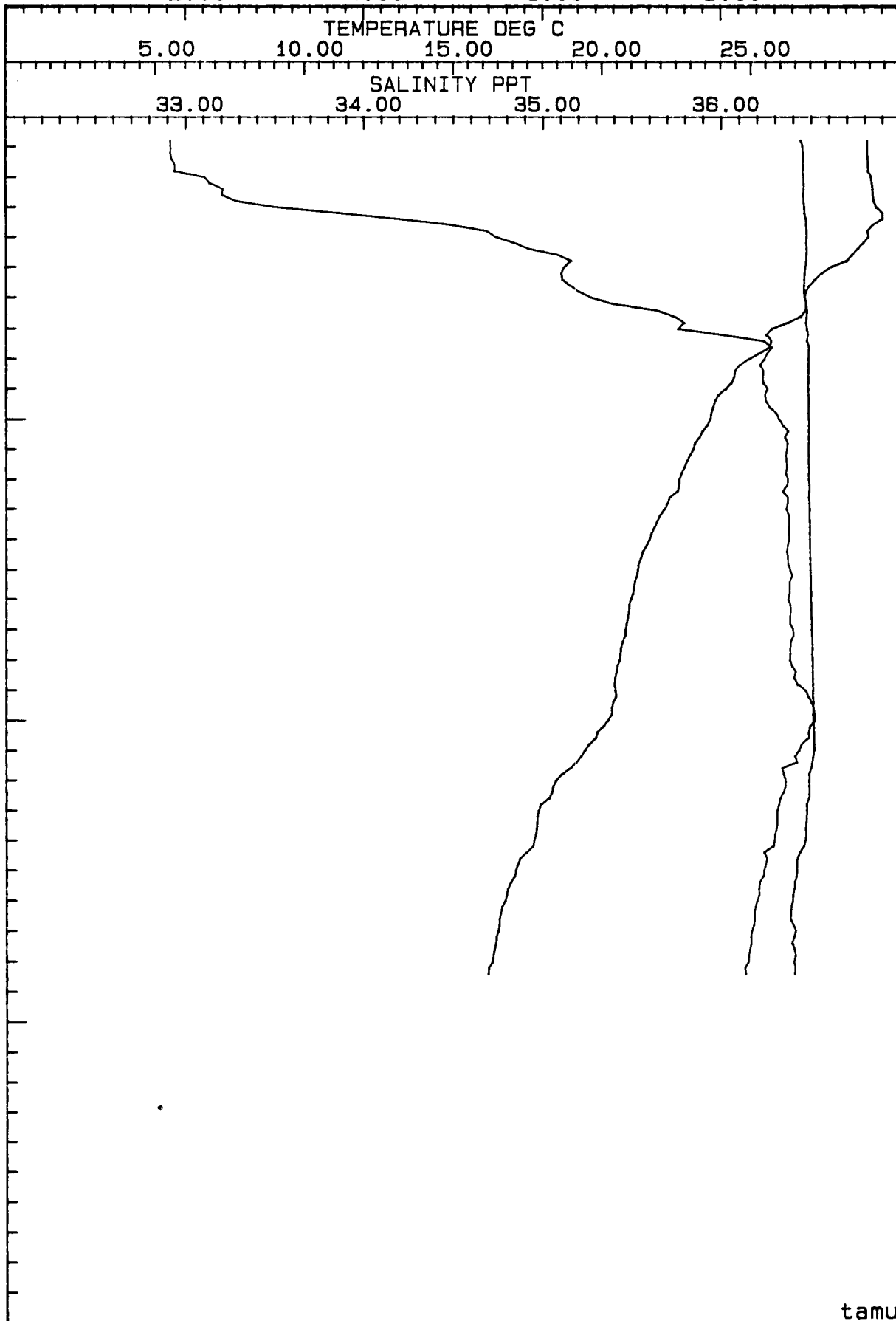
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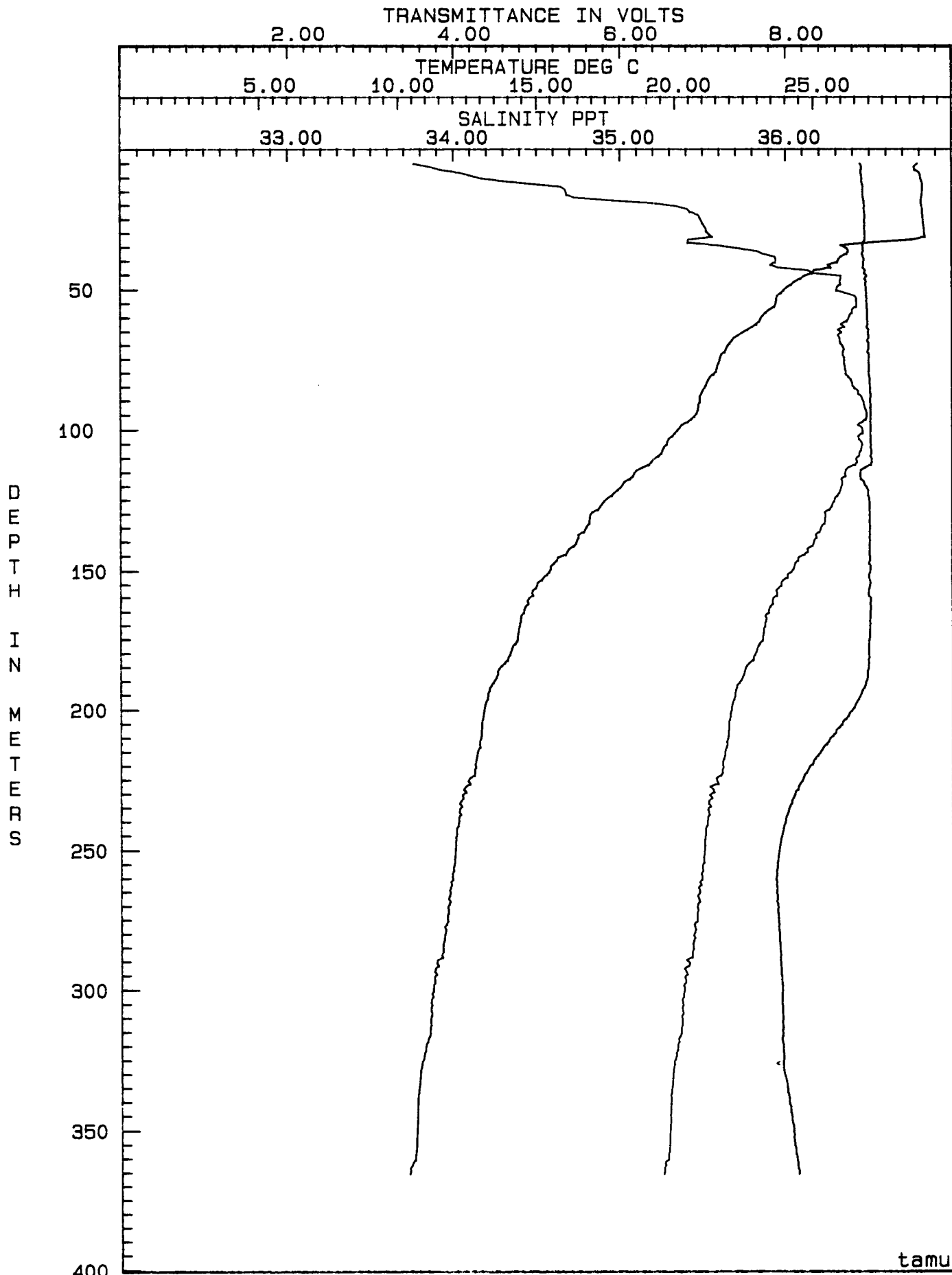
CRUISE: 90g10 STATION: SB076.PL DATE: Jul 18 11:54:59 1990
LATITUDE: 27 55.51 LONGITUDE: 92 12.19

STATION SB077.PLT:: CRUISE 90g10 DATE & TIME Wed Jul 18 12:54:13 1990, Julian day = 199
LAT 27 49.86 LON 92 15.26 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	28.731	33.762	21.226	8.889	55.0	23.626	36.422	24.831	8.965	105.0	19.668	36.455	25.961	9.011
6.0	28.612	33.856	21.336	8.903	56.0	23.585	36.421	24.830	8.965	106.0	19.570	36.450	25.983	9.009
7.0	28.624	33.923	21.383	8.899	57.0	23.417	36.397	24.877	8.970	107.0	19.519	36.448	25.995	9.018
8.0	28.792	34.039	21.414	8.896	58.0	23.279	36.396	24.917	8.970	108.0	19.482	36.438	25.997	9.018
9.0	28.834	34.103	21.448	8.905	59.0	23.173	36.382	24.954	8.972	109.0	19.382	36.436	26.022	9.009
10.0	28.850	34.169	21.493	8.906	60.0	23.087	36.374	24.957	8.971	110.0	19.212	36.418	26.052	9.022
11.0	28.885	34.301	21.580	8.905	61.0	23.049	36.365	24.957	8.974	111.0	19.116	36.425	26.082	9.021
12.0	28.915	34.474	21.700	8.913	62.0	22.944	36.329	24.957	8.975	112.0	19.036	36.415	26.095	9.015
13.0	28.916	34.645	21.828	8.920	63.0	22.789	36.350	25.121	8.967	113.0	18.791	36.372	26.125	8.950
14.0	28.911	34.670	21.848	8.917	64.0	22.617	36.310	25.040	8.986	114.0	18.579	36.356	26.167	8.890
15.0	28.901	34.675	21.856	8.919	65.0	22.450	36.332	25.174	8.980	115.0	18.496	36.352	26.185	8.888
16.0	28.895	34.681	21.862	8.918	66.0	22.286	36.312	25.135	8.984	116.0	18.449	36.355	26.199	8.888
17.0	28.874	34.727	21.904	8.923	67.0	22.123	36.320	25.139	8.986	117.0	18.348	36.331	26.206	8.890
18.0	28.859	34.935	22.064	8.929	68.0	22.052	36.322	25.210	8.972	118.0	18.139	36.335	26.261	8.926
19.0	28.866	35.195	22.258	8.933	69.0	21.979	36.326	25.133	8.988	119.0	18.075	36.335	26.278	8.937
20.0	28.884	35.336	22.358	8.934	70.0	21.893	36.339	25.267	8.986	120.0	17.996	36.328	26.292	8.964
21.0	28.900	35.405	22.403	8.933	71.0	21.842	36.346	25.287	8.984	121.0	17.907	36.325	26.312	8.979
22.0	28.904	35.422	22.415	8.938	72.0	21.794	36.341	25.297	8.974	122.0	17.771	36.318	26.340	8.978
23.0	28.916	35.470	22.448	8.940	73.0	21.670	36.338	25.329	8.989	123.0	17.684	36.307	26.353	8.978
24.0	28.925	35.483	22.454	8.942	74.0	21.629	36.348	25.348	8.989	124.0	17.526	36.292	26.379	8.991
25.0	28.933	35.491	22.458	8.934	75.0	21.600	36.349	25.357	8.988	125.0	17.415	36.288	26.404	8.994
26.0	28.942	35.499	22.461	8.938	76.0	21.571	36.347	25.364	8.988	126.0	17.334	36.278	26.416	8.997
27.0	28.956	35.510	22.464	8.938	77.0	21.528	36.352	25.380	8.990	127.0	17.262	36.271	26.428	8.997
28.0	28.969	35.520	22.467	8.936	78.0	21.508	36.353	25.385	8.991	128.0	17.193	36.261	26.438	8.992
29.0	28.974	35.523	22.468	8.940	79.0	21.479	36.357	25.397	8.987	129.0	16.975	36.231	26.467	8.999
30.0	28.985	35.537	22.475	8.943	80.0	21.393	36.356	25.420	8.987	130.0	16.897	36.235	26.488	8.994
31.0	29.004	35.559	22.485	8.943	81.0	21.265	36.373	25.468	8.996	131.0	16.884	36.232	26.489	8.998
32.0	28.537	35.412	22.530	8.944	82.0	21.197	36.387	25.497	9.000	132.0	16.879	36.232	26.490	8.996
33.0	27.083	35.410	23.002	8.926	83.0	21.146	36.395	25.518	8.998	133.0	16.869	36.230	26.491	8.996
34.0	25.967	35.595	23.494	8.916	84.0	21.104	36.397	25.531	9.001	134.0	16.781	36.212	26.498	9.000
35.0	26.179	35.717	23.520	8.919	85.0	21.048	36.409	25.555	9.004	135.0	16.724	36.205	26.507	8.997
36.0	26.231	35.828	23.588	8.925	86.0	20.981	36.431	25.590	9.001	136.0	16.680	36.199	26.512	8.995
37.0	26.183	35.868	23.633	8.909	87.0	20.937	36.432	25.603	9.007	137.0	16.468	36.175	26.544	8.998
38.0	25.965	35.935	23.752	8.921	88.0	20.885	36.451	25.632	9.009	138.0	16.485	36.181	26.545	8.994
39.0	25.891	35.941	23.780	8.931	89.0	20.888	36.455	25.635	9.003	139.0	16.425	36.169	26.549	8.998
40.0	25.837	35.938	23.794	8.924	90.0	20.883	36.464	25.642	9.005	140.0	16.396	36.164	26.552	8.995
41.0	25.509	35.908	23.873	8.928	91.0	20.830	36.466	25.658	9.007	141.0	16.321	36.158	26.565	8.994
42.0	25.595	35.956	23.883	8.920	92.0	20.821	36.471	25.665	9.006	142.0	16.149	36.126	26.581	8.995
43.0	25.004	36.131	24.197	8.943	93.0	20.801	36.478	25.675	9.006	143.0	16.083	36.130	26.599	8.993
44.0	24.944	36.163	24.239	8.935	94.0	20.765	36.481	25.689	9.009	144.0	16.023	36.110	26.598	8.993
45.0	24.668	36.328	24.448	8.960	95.0	20.697	36.481	25.706	9.006	145.0	15.731	36.073	26.636	9.000
46.0	24.532	36.326	24.488	8.941	96.0	20.574	36.477	25.736	9.007	146.0	15.692	36.073	26.645	8.997
47.0	24.313	36.324	24.552	8.955	97.0	20.447	36.457	25.755	9.005	147.0	15.597	36.054	26.652	8.988
48.0	24.204	36.326	24.587	8.950	98.0	20.222	36.429	25.794	9.008	148.0	15.486	36.049	26.673	9.004
49.0	24.033	36.307	24.623	8.954	99.0	20.148	36.454	25.833	9.009	149.0	15.483	36.044	26.670	9.004
50.0	23.919	36.301	24.653	8.956	100.0	20.069	36.456	25.856	9.007	150.0	15.430	36.032	26.672	9.000
51.0	23.825	36.352	24.719	8.960	101.0	19.975	36.458	25.932	9.005	151.0	15.345	36.009	26.674	8.989
52.0	23.699	36.411	24.802	8.958	102.0	19.889	36.431	25.884	9.008	152.0	15.221	36.009	26.702	8.986
53.0	23.658	36.421	24.821	8.966	103.0	19.746	36.434	25.925	9.008	153.0	15.158	35.983	26.696	8.996
54.0	23.644	36.422	24.825	8.964	104.0	19.696	36.450	25.950	9.007	154.0	15.007	35.970	26.719	9.004

STATION SBD077.PLT:: CRUISE 90g10 DATE & TIME Wed Jul 18 12:54:19 1990. Julian day = 199
 LAT 27 49.86 LON 92 15.26 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
305.0	11.173	35.373	27.035	7.941	355.0	10.607	35.290	27.073	8.093					
306.0	11.141	35.369	27.037	7.946	356.0	10.594	35.288	27.073	8.105					
307.0	11.140	35.370	27.039	7.944	357.0	10.589	35.290	27.076	8.105					
308.0	11.173	35.375	27.036	7.946	358.0	10.580	35.285	27.073	8.110					
309.0	11.193	35.345	27.032	7.950	359.0	10.566	35.285	27.076	8.118					
310.0	11.127	35.367	27.039	7.950	360.0	10.558	35.284	27.077	8.119					
311.0	11.127	35.367	27.039	7.945	361.0	10.483	35.265	27.075	8.128					
312.0	11.139	35.368	27.037	7.948	362.0	10.443	35.267	27.083	8.128					
313.0	11.115	35.364	27.038	7.954	363.0	10.382	35.259	27.088	8.131					
314.0	11.104	35.363	27.040	7.946	364.0	10.374	35.259	27.090	8.144					
315.0	11.108	35.363	27.040	7.948	365.0	10.353	35.256	27.092	8.142					
316.0	11.088	35.356	27.038	7.949										
317.0	11.034	35.346	27.039	7.937										
318.0	11.018	35.349	27.044	7.944										
319.0	10.962	35.342	27.049	7.954										
320.0	10.947	35.340	27.051	7.953										
321.0	10.942	35.339	27.050	7.953										
322.0	10.906	35.332	27.052	7.958										
323.0	10.885	35.331	27.055	7.962										
324.0	10.869	35.327	27.055	7.961										
325.0	10.816	35.319	27.058	7.955										
326.0	10.800	35.321	27.062	7.955										
327.0	10.783	35.316	27.062	7.957										
328.0	10.764	35.314	27.063	7.961										
329.0	10.751	35.312	27.064	7.968										
330.0	10.747	35.312	27.065	7.975										
331.0	10.737	35.309	27.064	7.986										
332.0	10.727	35.309	27.066	7.992										
333.0	10.724	35.307	27.065	7.999										
334.0	10.707	35.305	27.067	8.002										
335.0	10.693	35.303	27.068	8.008										
336.0	10.688	35.303	27.068	8.009										
337.0	10.662	35.298	27.070	8.019										
338.0	10.657	35.299	27.071	8.027										
339.0	10.660	35.300	27.071	8.027										
340.0	10.661	35.298	27.070	8.030										
341.0	10.650	35.298	27.071	8.041										
342.0	10.649	35.298	27.072	8.043										
343.0	10.648	35.297	27.072	8.045										
344.0	10.646	35.296	27.070	8.054										
345.0	10.639	35.296	27.072	8.059										
346.0	10.638	35.296	27.072	8.061										
347.0	10.642	35.296	27.071	8.066										
348.0	10.631	35.293	27.071	8.076										
349.0	10.619	35.295	27.074	8.079										
350.0	10.627	35.294	27.072	8.077										
351.0	10.614	35.292	27.073	8.087										
352.0	10.608	35.291	27.074	8.081										
353.0	10.605	35.291	27.074	8.086										
354.0	10.604	35.291	27.074	8.090										

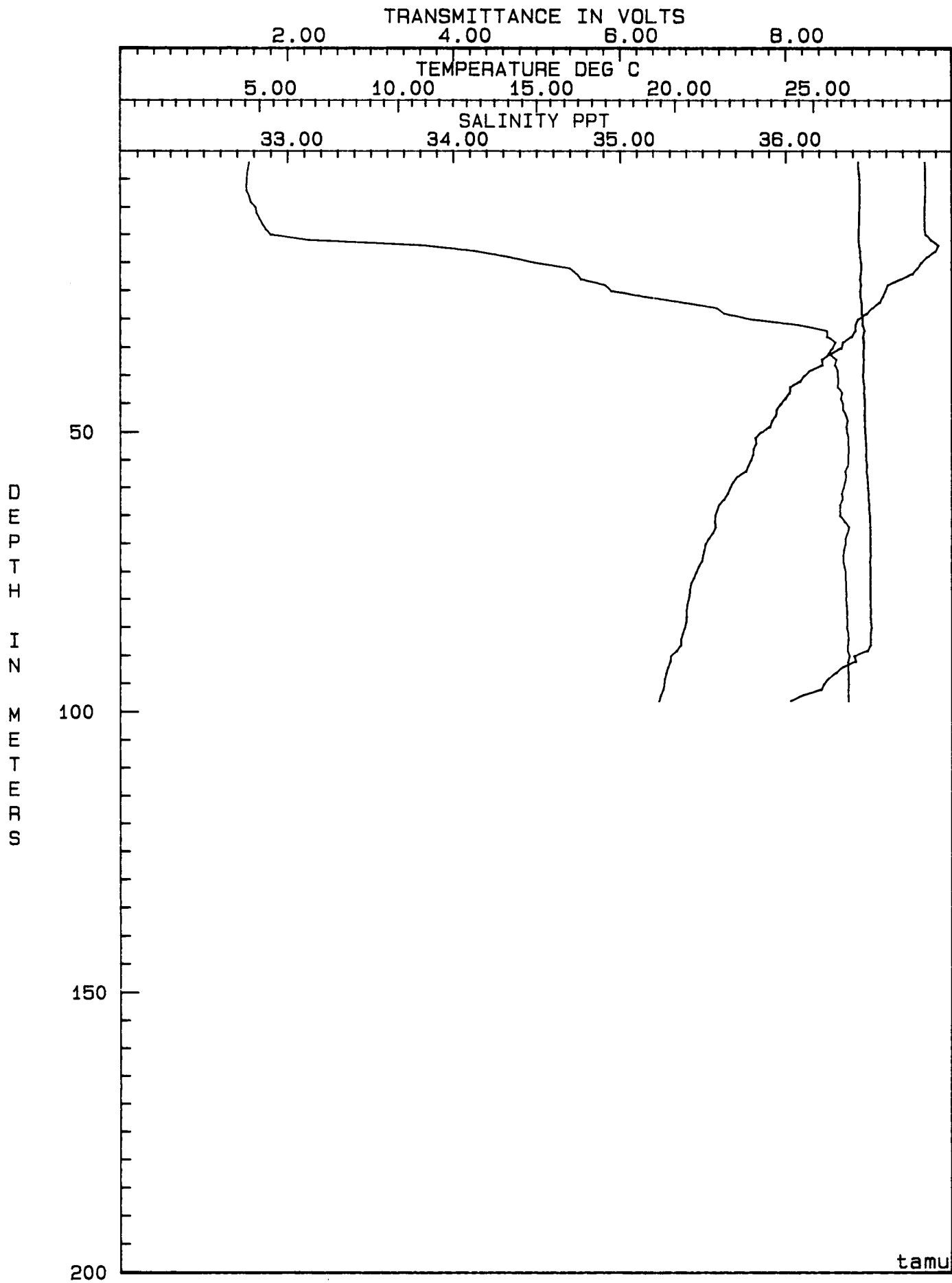


tamu

CRUISE: 90g10 STATION: SB077.PL DATE: Jul 18 12: 54: 19 1990
LATITUDE: 27 49.86 LONGITUDE: 92 15.26

STATION SB028.PLT::: CRUISE 90g10 DATE & TIME Wed Jul 18 12:53:50 1990, Julian day = 199
 LAT 28 02.30 LON 92 09.89 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	29.008	32.772	20.392	8.866	52.0	22.941	36.372	24.993	8.957					
3.0	29.013	32.765	20.385	8.867	53.0	22.832	36.376	25.027	8.961					
4.0	29.013	32.760	20.381	8.874	54.0	22.823	36.373	25.028	8.955					
5.0	29.014	32.758	20.380	8.879	55.0	22.747	36.372	25.050	8.960					
6.0	29.014	32.755	20.377	8.881	56.0	22.653	36.370	25.075	8.970					
7.0	29.014	32.756	20.378	8.881	57.0	22.572	36.355	25.086	8.964					
8.0	29.010	32.772	20.391	8.880	58.0	22.260	36.359	25.179	8.972					
9.0	29.006	32.781	20.399	8.880	59.0	22.105	36.354	25.219	8.977					
10.0	28.989	32.812	20.428	8.879	60.0	21.989	36.345	25.245	8.981					
11.0	28.987	32.816	20.432	8.875	61.0	21.910	36.334	25.259	8.988					
12.0	28.987	32.834	20.445	8.874	62.0	21.771	36.339	25.302	8.987					
13.0	28.989	32.851	20.457	8.873	63.0	21.586	36.324	25.342	8.996					
14.0	28.997	32.871	20.470	8.870	64.0	21.518	36.324	25.361	8.994					
15.0	29.014	32.899	20.485	8.869	65.0	21.451	36.324	25.379	9.003					
16.0	29.223	33.127	20.586	8.869	66.0	21.439	36.352	25.404	9.006					
17.0	29.497	33.817	21.013	8.874	67.0	21.458	36.378	25.418	9.007					
18.0	29.387	34.132	21.285	8.889	68.0	21.366	36.368	25.436	9.009					
19.0	29.093	34.326	21.529	8.890	69.0	21.214	36.356	25.469	9.010					
20.0	28.878	34.489	21.723	8.900	70.0	21.095	36.356	25.503	9.008					
21.0	28.731	34.697	21.928	8.904	71.0	21.053	36.348	25.508	9.009					
22.0	28.554	34.740	22.020	8.896	72.0	21.009	36.342	25.515	9.013					
23.0	28.132	34.766	22.178	8.889	73.0	20.968	36.343	25.528	9.005					
24.0	27.657	34.910	22.440	8.900	74.0	20.844	36.351	25.567	9.009					
25.0	27.576	34.947	22.495	8.890	75.0	20.760	36.357	25.594	9.010					
26.0	27.487	35.145	22.672	8.893	76.0	20.677	36.355	25.616	9.009					
27.0	27.385	35.370	22.876	8.906	77.0	20.572	36.359	25.647	9.007					
28.0	27.106	35.584	23.126	8.910	78.0	20.533	36.359	25.657	9.008					
29.0	26.909	35.632	23.225	8.909	79.0	20.515	36.360	25.663	9.007					
30.0	26.592	35.792	23.447	8.919	80.0	20.484	36.359	25.671	9.009					
31.0	26.492	36.079	23.695	8.919	81.0	20.429	36.362	25.688	9.008					
32.0	26.498	36.247	23.820	8.941	82.0	20.401	36.365	25.698	9.013					
33.0	26.373	36.247	23.859	8.925	83.0	20.409	36.364	25.695	9.010					
34.0	26.052	36.298	23.999	8.934	84.0	20.389	36.366	25.702	9.012					
35.0	26.001	36.280	24.001	8.932	85.0	20.340	36.363	25.713	9.022					
36.0	25.606	36.256	24.106	8.925	86.0	20.263	36.371	25.739	9.010					
37.0	25.293	36.304	24.239	8.932	87.0	20.204	36.372	25.756	9.008					
38.0	25.317	36.294	24.224	8.927	88.0	20.198	36.368	25.755	9.010					
39.0	24.880	36.309	24.369	8.927	89.0	20.051	36.367	25.792	8.975					
40.0	24.668	36.310	24.435	8.919	90.0	19.829	36.379	25.861	8.812					
41.0	24.517	36.314	24.483	8.927	91.0	19.812	36.369	25.858	8.832					
42.0	24.157	36.309	24.587	8.937	92.0	19.730	36.370	25.880	8.679					
43.0	24.140	36.336	24.614	8.931	93.0	19.667	36.371	25.898	8.596					
44.0	23.984	36.327	24.653	8.938	94.0	19.609	36.371	25.913	8.507					
45.0	23.821	36.341	24.712	8.941	95.0	19.591	36.374	25.919	8.451					
46.0	23.671	36.341	24.756	8.943	96.0	19.554	36.371	25.927	8.422					
47.0	23.653	36.358	24.774	8.937	97.0	19.471	36.372	25.949	8.210					
48.0	23.509	36.369	24.825	8.945	98.0	19.401	36.372	25.968	8.059					
49.0	23.434	36.361	24.842	8.942										
50.0	23.114	36.366	24.938	8.948										
51.0	22.903	36.374	25.006	8.952										

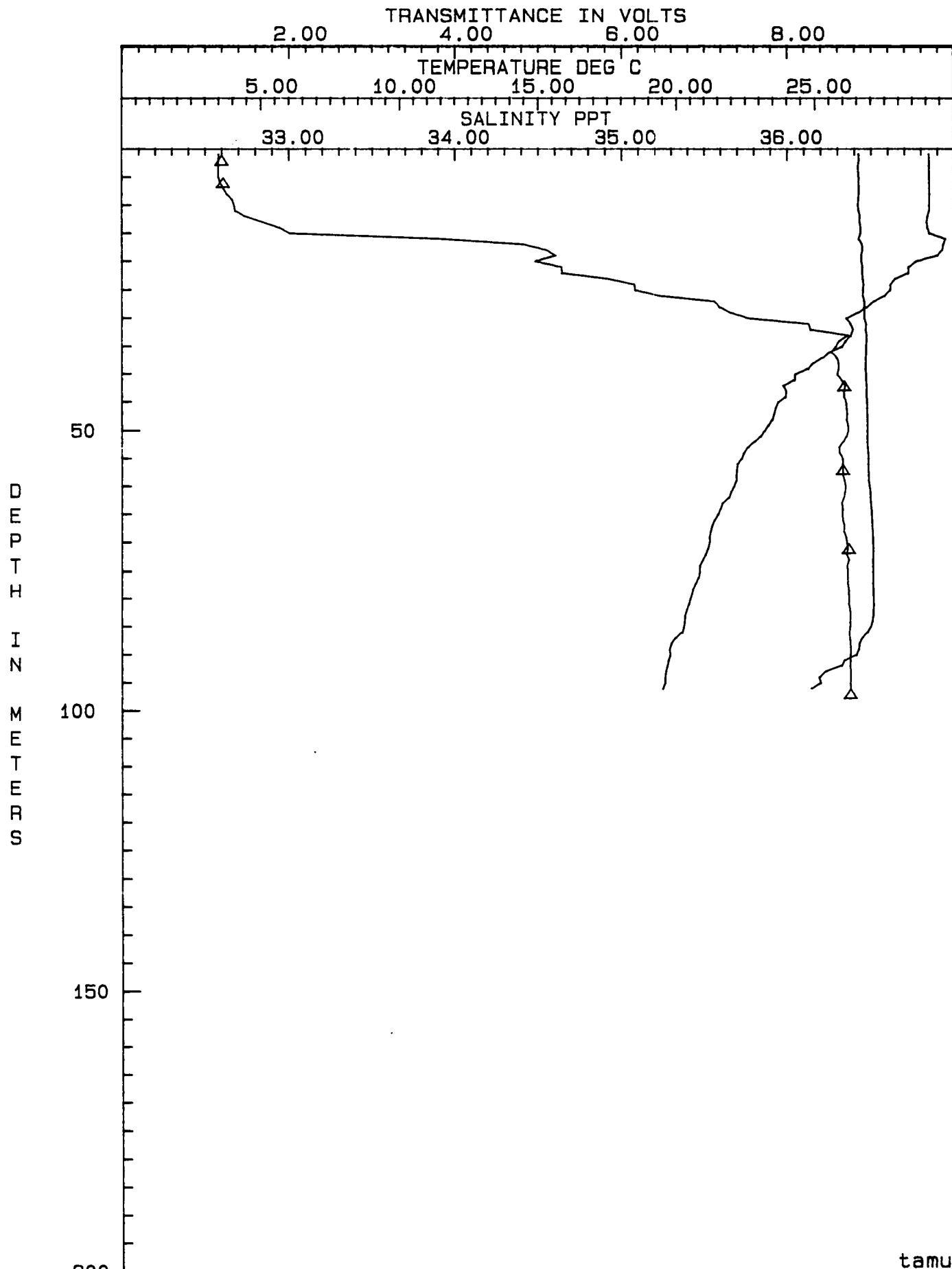


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CRUISE: 90g10 STATION: SB078.PL DATE: Jul 18 19: 53: 50 1990
LATITUDE: 28 02.30 LONGITUDE: 92 09.89

STATION SBU78A.PLT:: CRUISE 90g10 DATE & TIME Wed Jul 18 21:21:08 1990, Julian day = 199
 LAT 28 02.57 LON 92 10.40 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
1.0	29.080	32.580	20.224	8.848	51.0	23.029	36.350	24.951	8.949					
2.0	29.083	32.578	20.221	8.852	52.0	22.802	36.331	25.002	8.949					
3.0	29.083	32.576	20.221	8.839	53.0	22.563	36.306	25.052	8.951					
4.0	29.087	32.578	20.220	8.843	54.0	22.417	36.309	25.096	8.959					
5.0	29.086	32.578	20.221	8.848	55.0	22.344	36.327	25.131	8.960					
6.0	29.092	32.588	20.226	8.849	56.0	22.181	36.328	25.177	8.961					
7.0	29.097	32.607	20.238	8.850	57.0	22.167	36.329	25.183	8.960					
8.0	29.098	32.628	20.254	8.848	58.0	22.149	36.329	25.188	8.966					
9.0	29.093	32.661	20.280	8.843	59.0	22.144	36.338	25.196	8.966					
10.0	29.090	32.673	20.290	8.838	60.0	22.060	36.345	25.225	8.975					
11.0	29.088	32.678	20.295	8.847	61.0	21.956	36.341	25.251	8.983					
12.0	29.028	32.737	20.359	8.862	62.0	21.880	36.334	25.267	8.986					
13.0	28.995	32.839	20.446	8.857	63.0	21.643	36.323	25.325	8.990					
14.0	29.014	32.942	20.517	8.871	64.0	21.574	36.327	25.347	8.996					
15.0	29.086	33.006	20.542	8.869	65.0	21.482	36.325	25.372	9.001					
16.0	29.676	33.922	21.030	8.848	66.0	21.350	36.329	25.411	9.003					
17.0	29.600	34.413	21.425	8.888	67.0	21.260	36.336	25.442	9.007					
18.0	29.553	34.548	21.542	8.892	68.0	21.206	36.335	25.455	9.011					
19.0	29.381	34.604	21.641	8.876	69.0	21.166	36.347	25.476	9.013					
20.0	28.628	34.482	21.801	8.879	70.0	21.160	36.352	25.481	9.015					
21.0	28.335	34.638	22.015	8.893	71.0	21.111	36.357	25.499	9.017					
22.0	28.329	34.641	22.019	8.889	72.0	21.022	36.350	25.518	9.018					
23.0	27.844	34.917	22.385	8.896	73.0	20.923	36.365	25.556	9.012					
24.0	27.682	35.076	22.557	8.904	74.0	20.806	36.354	25.580	9.015					
25.0	27.674	35.081	22.564	8.897	75.0	20.808	36.356	25.581	9.014					
26.0	27.465	35.228	22.742	8.898	76.0	20.762	36.357	25.594	9.016					
27.0	27.090	35.560	23.113	8.913	77.0	20.669	36.356	25.618	9.014					
28.0	26.829	35.593	23.221	8.912	78.0	20.559	36.362	25.653	9.018					
29.0	26.508	35.659	23.373	8.915	79.0	20.522	36.363	25.664	9.019					
30.0	26.092	35.767	23.585	8.912	80.0	20.465	36.364	25.680	9.019					
31.0	26.250	36.125	23.806	8.935	81.0	20.414	36.361	25.691	9.021					
32.0	26.331	36.137	23.789	8.929	82.0	20.341	36.369	25.716	9.018					
33.0	26.255	36.362	23.983	8.938	83.0	20.270	36.370	25.736	9.012					
34.0	26.072	36.306	23.998	8.939	84.0	20.256	36.369	25.740	9.002					
35.0	25.938	36.286	24.025	8.932	85.0	20.223	36.368	25.748	8.985					
36.0	25.497	36.261	24.144	8.931	86.0	20.177	36.365	25.757	8.948					
37.0	25.250	36.293	24.244	8.929	87.0	19.940	36.366	25.821	8.887					
38.0	24.915	36.303	24.354	8.930	88.0	19.768	36.369	25.870	8.848					
39.0	24.733	36.303	24.410	8.925	89.0	19.708	36.373	25.888	8.839					
40.0	24.264	36.295	24.545	8.932	90.0	19.724	36.369	25.881	8.810					
41.0	24.240	36.321	24.572	8.931	91.0	19.662	36.371	25.898	8.671					
42.0	23.836	36.341	24.708	8.940	92.0	19.619	36.367	25.907	8.637					
43.0	23.948	36.334	24.669	8.937	93.0	19.563	36.371	25.925	8.448					
44.0	23.918	36.335	24.679	8.938	94.0	19.540	36.371	25.931	8.368					
45.0	23.651	36.347	24.767	8.945	95.0	19.531	36.369	25.932	8.385					
46.0	23.560	36.350	24.796	8.945	96.0	19.457	36.371	25.953	8.273					
47.0	23.511	36.354	24.813	8.945										
48.0	23.441	36.349	24.831	8.950										
49.0	23.312	36.358	24.875	8.950										
50.0	23.170	36.360	24.918	8.949										

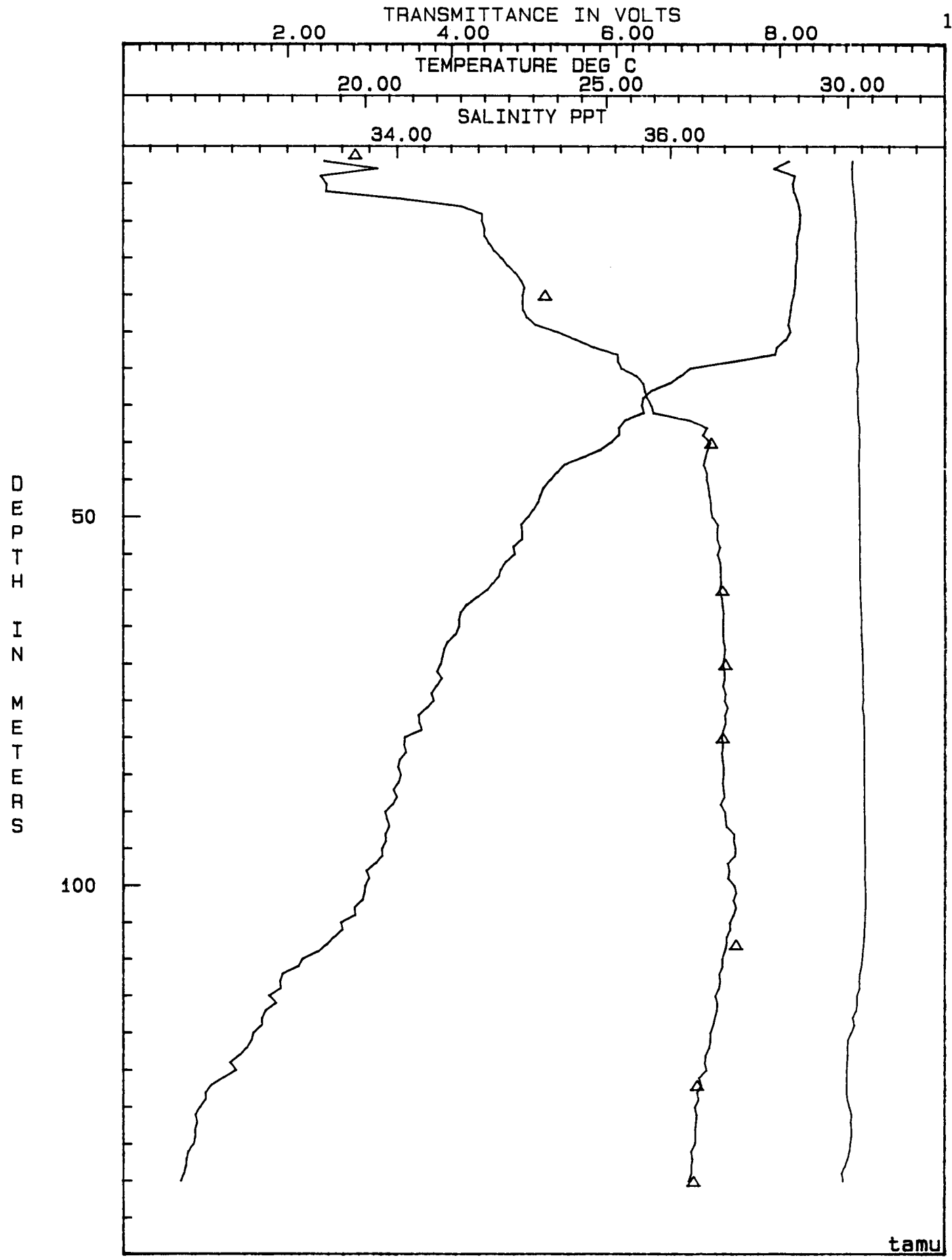


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CRUISE: 90g10 STATION: SB078A.P DATE: Jul 18 21:21:08 1990
LATITUDE: 28 02.57 LONGITUDE: 92 10.40
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB079.PL11:: CRUISE 90g10 DATE & TIME Thu Jul 19 03:37:57 1990, Julian day = 200
 LAT 27 55.42 LON 92 12.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
2.0	28.784	33.463	20.984	8.873	52.0	23.254	36.339	24.877	8.962	102.0	19.937	36.454	25.890	9.029
3.0	28.477	33.652	21.378	8.868	53.0	23.253	36.339	24.877	8.961	103.0	19.769	36.475	25.950	9.030
4.0	28.904	33.435	20.923	8.871	54.0	23.075	36.360	24.946	8.964	104.0	19.789	36.455	25.929	9.023
5.0	28.858	33.478	20.971	8.875	55.0	23.107	36.341	24.921	8.960	105.0	19.496	36.429	25.987	9.021
6.0	28.827	33.474	20.962	8.887	56.0	22.916	36.360	24.991	8.963	106.0	19.528	36.432	25.980	9.014
7.0	28.942	34.026	21.354	8.896	57.0	22.813	36.363	25.023	8.964	107.0	19.354	36.405	26.005	9.011
8.0	28.984	34.467	21.671	8.900	58.0	22.769	36.363	25.036	8.963	108.0	19.206	36.404	26.043	9.006
9.0	29.010	34.618	21.776	8.907	59.0	22.644	36.366	25.074	8.966	109.0	19.020	36.390	26.080	8.996
10.0	29.007	34.618	21.778	8.916	60.0	22.532	36.354	25.098	8.971	110.0	18.705	36.375	26.149	8.991
11.0	28.993	34.635	21.795	8.911	61.0	22.333	36.371	25.167	8.969	111.0	18.615	36.376	26.173	8.980
12.0	28.955	34.637	21.809	8.906	62.0	22.106	36.377	25.236	8.972	112.0	18.296	36.352	26.235	8.961
13.0	28.939	34.670	21.839	8.911	63.0	21.981	36.383	25.276	8.975	113.0	18.244	36.359	26.254	8.954
14.0	28.944	34.707	21.865	8.914	64.0	21.948	36.381	25.284	8.979	114.0	18.255	36.350	26.244	8.959
15.0	28.942	34.762	21.907	8.915	65.0	21.955	36.380	25.281	8.977	115.0	18.021	36.323	26.282	8.926
16.0	28.918	34.804	21.947	8.913	66.0	21.873	36.379	25.304	8.979	116.0	18.165	36.339	26.258	8.928
17.0	28.915	34.860	21.990	8.914	67.0	21.713	36.384	25.352	8.984	117.0	17.948	36.334	26.309	8.919
18.0	28.910	34.901	22.022	8.912	68.0	21.639	36.395	25.381	8.990	118.0	17.874	36.319	26.315	8.872
19.0	28.898	34.927	22.046	8.917	69.0	21.607	36.389	25.385	8.991	119.0	17.865	36.308	26.309	8.896
20.0	28.875	34.914	22.044	8.921	70.0	21.568	36.379	25.389	8.995	120.0	17.696	36.288	26.335	8.861
21.0	28.835	34.913	22.056	8.923	71.0	21.491	36.390	25.418	8.997	121.0	17.651	36.289	26.347	8.816
22.0	28.814	34.916	22.066	8.922	72.0	21.590	36.391	25.392	8.992	122.0	17.562	36.279	26.361	8.813
23.0	28.789	34.946	22.096	8.917	73.0	21.484	36.380	25.413	8.996	123.0	17.414	36.253	26.377	8.816
24.0	28.765	35.009	22.152	8.930	74.0	21.374	36.399	25.458	9.001	124.0	17.215	36.246	26.420	8.808
25.0	28.810	35.169	22.257	8.927	75.0	21.428	36.391	25.437	9.001	125.0	17.340	36.259	26.400	8.805
26.0	28.717	35.297	22.384	8.927	76.0	21.285	36.414	25.494	8.991	126.0	17.078	36.205	26.422	8.805
27.0	28.532	35.427	22.543	8.940	77.0	21.106	36.395	25.529	9.007	127.0	16.831	36.221	26.493	8.803
28.0	28.489	35.605	22.691	8.945	78.0	21.124	36.400	25.527	9.009	128.0	16.710	36.190	26.498	8.803
29.0	27.631	35.608	22.974	8.938	79.0	21.175	36.382	25.500	9.012	129.0	16.705	36.201	26.508	8.812
30.0	26.740	35.634	23.281	8.921	80.0	20.821	36.372	25.589	9.014	130.0	16.593	36.172	26.512	8.837
31.0	26.541	35.741	23.425	8.934	81.0	20.801	36.381	25.601	9.011	131.0	16.498	36.187	26.546	8.864
32.0	26.308	35.794	23.538	8.939	82.0	20.844	36.372	25.583	9.011	132.0	16.534	36.182	26.534	8.853
33.0	25.931	35.804	23.664	8.930	83.0	20.714	36.378	25.623	9.011	133.0	16.487	36.177	26.541	8.864
34.0	25.750	35.822	23.734	8.937	84.0	20.674	36.386	25.640	9.014	134.0	16.493	36.179	26.541	8.860
35.0	25.720	35.852	23.765	8.938	85.0	20.739	36.386	25.622	9.011	135.0	16.457	36.174	26.546	8.849
36.0	25.764	35.869	23.765	8.936	86.0	20.687	36.379	25.631	9.013	136.0	16.347	36.147	26.551	8.840
37.0	25.373	36.136	24.088	8.947	87.0	20.581	36.385	25.665	9.017	137.0	16.314	36.157	26.566	8.816
38.0	25.248	36.265	24.223	8.958	88.0	20.655	36.391	25.649	9.016	138.0	16.298	36.149	26.563	8.785
39.0	25.249	36.231	24.198	8.954	89.0	20.565	36.362	25.651	9.014	139.0	16.257	36.148	26.573	8.743
40.0	25.076	36.288	24.294	8.960	90.0	20.411	36.397	25.720	9.018	140.0	16.195	36.129	26.572	8.762
41.0	24.849	36.266	24.346	8.954	91.0	20.446	36.399	25.711	9.019					
42.0	24.499	36.250	24.440	8.952	92.0	20.494	36.406	25.704	9.020					
43.0	24.124	36.239	24.544	8.950	93.0	20.416	36.462	25.767	9.020					
44.0	23.973	36.262	24.607	8.953	94.0	20.424	36.458	25.762	9.020					
45.0	23.826	36.263	24.651	8.954	95.0	20.343	36.471	25.794	9.026					
46.0	23.691	36.275	24.701	8.957	96.0	20.352	36.468	25.789	9.025					
47.0	23.626	36.281	24.724	8.960	97.0	20.211	36.413	25.785	9.024					
48.0	23.579	36.291	24.745	8.957	98.0	20.022	36.426	25.846	9.022					
49.0	23.485	36.291	24.773	8.958	99.0	20.078	36.415	25.822	9.020					
50.0	23.375	36.303	24.814	8.961	100.0	19.994	36.463	25.881	9.028					
51.0	23.237	36.343	24.885	8.960	101.0	19.978	36.476	25.896	9.030					



CRUISE: 90g10 STATION: SB079.PL DATE: Jul 19 03: 37: 57 1990
LATITUDE: 27 55.42 LONGITUDE: 92 12.05
TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

2.00 4.00 6.00 8.00

TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

25.00 30.00 35.00

DEPTH IN METERS

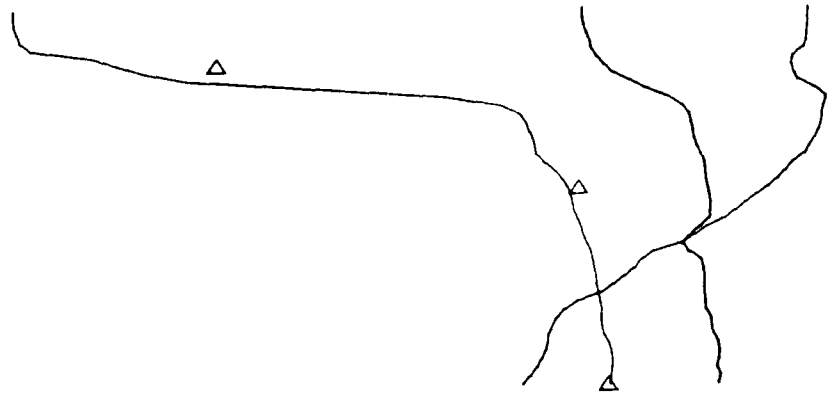
50

100

150

200

DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	29.203	26.352	15.523	7.888
5.0	29.200	26.355	15.526	7.887
6.0	29.199	26.364	15.533	7.897
7.0	29.185	26.416	15.576	7.920
8.0	29.170	26.457	15.612	7.944
9.0	29.088	26.646	15.780	7.954
10.0	28.821	27.685	16.644	7.998
11.0	28.781	28.071	16.945	8.057
12.0	28.834	28.558	17.292	8.131
13.0	28.936	29.231	17.763	8.272
14.0	29.365	31.359	19.215	8.400
15.0	29.654	33.469	20.698	8.578
16.0	29.574	34.394	21.419	8.694
17.0	29.529	34.715	21.675	8.751
18.0	29.513	34.821	21.759	8.769
19.0	29.458	34.869	21.814	8.782
20.0	29.366	34.937	21.896	8.792
21.0	29.225	34.971	21.969	8.815
22.0	29.122	34.993	22.020	8.850
23.0	28.794	35.117	22.223	8.872
24.0	28.629	35.303	22.418	8.881
25.0	28.430	35.417	22.569	8.887
26.0	28.188	35.509	22.719	8.900
27.0	27.913	35.563	22.849	8.914
28.0	27.637	35.592	22.961	8.925
29.0	27.387	35.617	23.061	8.923
30.0	27.093	35.667	23.192	8.913
31.0	26.681	35.727	23.369	8.838
32.0	26.385	35.764	23.491	8.757
33.0	26.009	35.823	23.653	8.693
34.0	25.376	35.891	23.902	8.743
35.0	25.092	35.920	24.011	8.844
36.0	24.913	35.945	24.084	8.863
37.0	24.637	35.966	24.184	8.869
38.0	24.375	35.976	24.270	8.867
39.0	24.083	36.000	24.376	8.867
40.0	23.495	36.033	24.574	8.875
41.0	23.177	36.059	24.687	8.875
42.0	22.978	36.054	24.741	8.919
44.0	22.752	36.081	24.827	8.936
45.0	22.735	36.169	24.899	8.974
46.0	22.687	36.211	24.944	8.985
47.0	22.591	36.228	24.985	8.983
48.0	22.477	36.229	25.018	8.965
49.0	22.316	36.210	25.050	8.996
50.0	22.117	36.197	25.096	8.979



tamu

CRUISE: 90g10 STATION: SB081A.P DATE: Jul 19 22: 31: 32 1990

LATITUDE: 28 20.23 LONGITUDE: 91 00.73

TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB082.PLT::: CRUISE 90g10 DATE & TIME Fri Jul 20 05:00:31 1990, Julian day = 201
LAT 28 03.09 LON 90 11.63 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

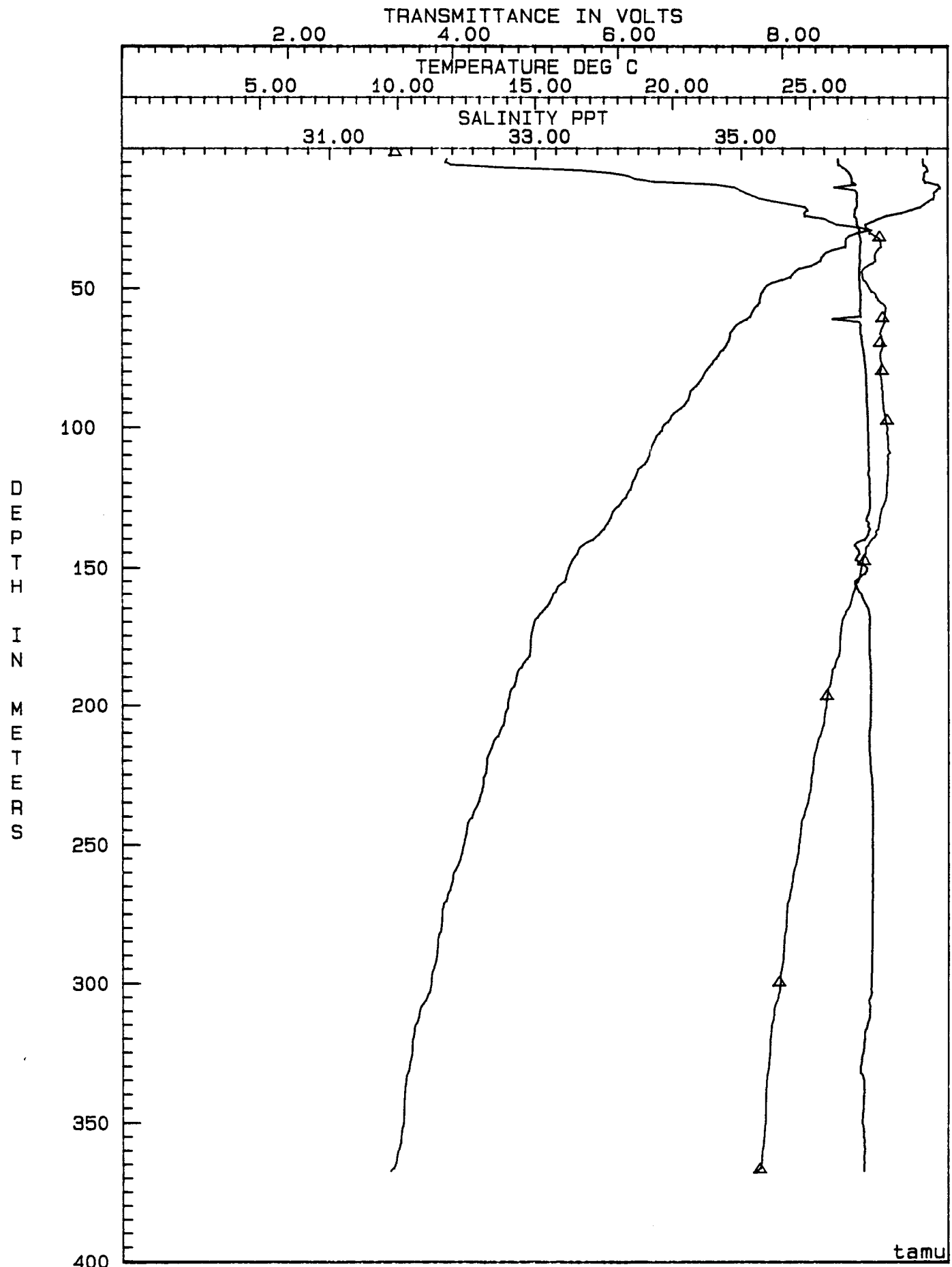
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	29.070	32.143	19.900	8.662	54.0	23.156	36.313	24.886	8.931	104.0	19.334	36.407	26.012	9.021
5.0	29.069	32.127	19.888	8.662	55.0	23.144	36.337	24.908	8.928	105.0	19.289	36.409	26.025	9.023
6.0	29.083	32.184	19.926	8.666	56.0	23.078	36.377	24.957	8.928	106.0	19.233	36.410	26.041	9.022
7.0	29.199	32.689	20.266	8.717	57.0	22.967	36.388	24.998	8.928	107.0	19.184	36.409	26.052	9.024
8.0	29.241	33.411	20.793	8.764	58.0	22.904	36.386	25.015	8.919	108.0	19.151	36.413	26.064	9.022
9.0	29.120	33.721	21.067	8.793	59.0	22.846	36.382	25.028	8.930	109.0	19.132	36.428	26.081	9.025
10.0	29.112	33.893	21.198	8.814	60.0	22.807	36.381	25.039	8.931	110.0	19.114	36.406	26.068	9.024
11.0	29.077	33.959	21.259	8.827	61.0	22.686	36.370	25.066	8.952	111.0	19.067	36.412	26.085	9.025
12.0	29.144	34.137	21.370	8.828	62.0	22.472	36.377	25.132	8.913	112.0	19.021	36.407	26.093	9.024
13.0	29.599	34.743	21.672	8.871	63.0	22.302	36.365	25.171	8.932	113.0	18.946	36.406	26.111	9.028
14.0	29.687	34.934	21.786	8.613	64.0	22.222	36.353	25.185	8.926	114.0	18.822	36.410	26.146	9.029
15.0	29.578	34.988	21.863	8.860	65.0	22.150	36.341	25.197	8.930	115.0	18.692	36.408	26.178	9.032
16.0	29.467	35.041	21.940	8.988	66.0	22.070	36.333	25.213	8.926	116.0	18.664	36.409	26.186	9.022
17.0	29.429	35.110	21.988	8.891	67.0	22.065	36.346	25.224	8.940	117.0	18.626	36.407	26.194	9.020
18.0	29.449	35.175	22.047	8.886	68.0	22.046	36.352	25.234	8.940	118.0	18.582	36.404	26.203	9.033
19.0	29.262	35.310	22.212	8.888	69.0	22.012	36.356	25.247	8.946	119.0	18.522	36.401	26.216	9.035
20.0	29.119	35.465	22.376	8.888	70.0	21.946	36.351	25.261	8.949	120.0	18.484	36.399	26.224	9.038
21.0	28.974	35.608	22.531	8.884	71.0	21.905	36.357	25.278	8.953	121.0	18.459	36.397	26.229	9.036
22.0	28.632	35.636	22.667	8.864	72.0	21.823	36.348	25.294	8.962	122.0	18.427	36.396	26.236	9.038
23.0	28.269	35.606	22.764	8.861	73.0	21.704	36.338	25.319	8.966	123.0	18.344	36.399	26.259	9.039
24.0	27.736	35.608	22.940	8.855	74.0	21.647	36.335	25.333	8.972	124.0	18.294	36.395	26.269	9.037
25.0	27.451	35.794	23.173	8.881	75.0	21.576	36.336	25.354	8.973	125.0	18.261	36.392	26.275	9.039
26.0	27.220	35.850	23.290	8.887	76.0	21.467	36.341	25.387	8.977	126.0	18.137	36.385	26.301	9.039
27.0	26.967	35.916	23.420	8.885	77.0	21.420	36.349	25.407	8.983	127.0	18.068	36.373	26.308	9.043
28.0	26.975	36.129	23.579	8.904	78.0	21.324	36.338	25.425	8.984	128.0	17.993	36.363	26.319	9.039
29.0	27.099	36.253	23.632	8.917	79.0	21.235	36.340	25.451	8.990	129.0	17.859	36.347	26.340	9.039
30.0	26.678	36.232	23.751	8.909	80.0	21.160	36.332	25.466	8.989	130.0	17.784	36.342	26.355	9.031
31.0	26.401	36.284	23.878	8.920	81.0	21.107	36.335	25.483	8.996	131.0	17.738	36.336	26.362	9.021
32.0	26.271	36.328	23.953	8.930	82.0	21.063	36.341	25.500	8.995	132.0	17.705	36.329	26.365	9.005
33.0	26.249	36.337	23.967	8.933	83.0	20.995	36.346	25.522	8.995	133.0	17.657	36.328	26.375	8.996
34.0	26.250	36.339	23.967	8.929	84.0	20.923	36.347	25.542	8.997	134.0	17.593	36.323	26.387	9.026
35.0	26.243	36.344	23.974	8.924	85.0	20.842	36.351	25.567	8.997	135.0	17.514	36.317	26.403	9.018
36.0	25.840	36.314	24.077	8.925	86.0	20.736	36.348	25.594	8.999	136.0	17.469	36.315	26.412	9.038
37.0	25.575	36.294	24.145	8.926	87.0	20.620	36.356	25.632	8.997	137.0	17.359	36.293	26.421	9.026
38.0	25.459	36.284	24.172	8.918	88.0	20.601	36.355	25.636	9.003	138.0	17.280	36.295	26.442	9.020
39.0	25.373	36.282	24.198	8.917	89.0	20.570	36.357	25.646	9.002	139.0	17.169	36.280	26.458	9.002
40.0	25.350	36.288	24.209	8.926	90.0	20.547	36.358	25.653	9.000	140.0	17.068	36.249	26.458	8.977
41.0	25.199	36.266	24.239	8.921	91.0	20.465	36.358	25.675	9.003	141.0	16.836	36.230	26.499	8.891
42.0	25.000	36.213	24.260	8.920	92.0	20.393	36.365	25.699	9.005	142.0	16.700	36.219	26.522	8.857
43.0	24.573	36.175	24.361	8.913	93.0	20.285	36.363	25.728	9.010	143.0	16.574	36.195	26.535	8.879
44.0	24.436	36.159	24.391	8.913	94.0	20.137	36.369	25.771	9.011	144.0	16.522	36.193	26.545	8.905
45.0	24.331	36.163	24.425	8.916	95.0	20.000	36.376	25.813	9.011	145.0	16.493	36.189	26.549	8.912
46.0	24.271	36.165	24.445	8.912	96.0	19.916	36.382	25.840	9.013	146.0	16.406	36.177	26.560	8.889
47.0	23.969	36.173	24.541	8.915	97.0	19.877	36.384	25.852	9.013	147.0	16.322	36.166	26.571	8.869
48.0	23.612	36.201	24.668	8.917	98.0	19.804	36.388	25.874	9.014	148.0	16.275	36.162	26.579	8.902
49.0	23.417	36.215	24.736	8.919	99.0	19.657	36.395	25.918	9.016	149.0	16.223	36.152	26.583	8.968
50.0	23.327	36.230	24.773	8.922	100.0	19.587	36.402	25.942	9.015	150.0	16.176	36.147	26.591	9.002
51.0	23.267	36.247	24.804	8.926	101.0	19.574	36.401	25.945	9.015	151.0	16.147	36.144	26.595	9.004
52.0	23.195	36.290	24.857	8.932	102.0	19.482	36.396	25.965	9.021	152.0	16.121	36.141	26.599	8.984
53.0	23.176	36.297	24.868	8.929	103.0	19.371	36.407	26.002	9.022	153.0	16.090	36.136	26.602	8.936

STATION SE082.PLT:: CRUISE 90g10 DATE & TIME Fri Jul 20 05:00:31 1990, Julian day = 201
LAT 28 03.09 LON 90 11.63 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	16.073	36.131	26.602	8.904	204.0	13.860	35.793	26.830	9.044	254.0	12.273	35.533	26.951	9.069
155.0	16.034	36.121	26.604	8.859	205.0	13.850	35.790	26.831	9.043	255.0	12.249	35.529	26.952	9.068
156.0	15.899	36.099	26.618	8.861	206.0	13.836	35.790	26.833	9.042	256.0	12.212	35.522	26.955	9.068
157.0	15.792	36.091	26.636	8.879	207.0	13.814	35.783	26.833	9.044	257.0	12.169	35.517	26.959	9.067
158.0	15.752	36.085	26.640	8.890	208.0	13.743	35.773	26.840	9.036	258.0	12.117	35.509	26.963	9.070
159.0	15.707	36.076	26.644	8.906	209.0	13.700	35.765	26.843	9.031	259.0	12.073	35.501	26.965	9.068
160.0	15.606	36.065	26.658	8.935	210.0	13.664	35.760	26.846	9.028	260.0	12.000	35.494	26.974	9.068
161.0	15.578	36.060	26.661	8.944	211.0	13.630	35.752	26.847	9.028	261.0	11.979	35.490	26.975	9.064
162.0	15.534	36.053	26.666	8.959	212.0	13.523	35.736	26.857	9.029	262.0	11.970	35.487	26.974	9.068
163.0	15.485	36.046	26.671	8.976	213.0	13.460	35.729	26.865	9.028	263.0	11.960	35.487	26.975	9.066
164.0	15.412	36.035	26.679	8.996	214.0	13.427	35.723	26.866	9.031	264.0	11.927	35.478	26.975	9.069
165.0	15.325	36.021	26.688	9.015	215.0	13.394	35.718	26.869	9.031	265.0	11.902	35.477	26.979	9.068
166.0	15.221	36.000	26.695	9.024	216.0	13.348	35.711	26.874	9.032	266.0	11.875	35.469	26.978	9.068
167.0	15.129	35.994	26.711	9.029	217.0	13.306	35.700	26.874	9.033	267.0	11.819	35.463	26.984	9.066
168.0	15.069	35.978	26.712	9.034	218.0	13.260	35.695	26.879	9.036	268.0	11.777	35.458	26.988	9.068
169.0	14.968	35.966	26.725	9.032	219.0	13.224	35.689	26.882	9.041	269.0	11.768	35.456	26.988	9.069
170.0	14.930	35.962	26.730	9.034	220.0	13.221	35.689	26.883	9.042	270.0	11.737	35.449	26.989	9.066
171.0	14.912	35.958	26.731	9.032	221.0	13.218	35.688	26.882	9.042	271.0	11.648	35.437	26.996	9.064
172.0	14.882	35.953	26.734	9.031	222.0	13.201	35.684	26.883	9.046	272.0	11.621	35.432	26.998	9.065
173.0	14.861	35.951	26.737	9.030	223.0	13.191	35.682	26.884	9.049	273.0	11.592	35.431	27.002	9.065
174.0	14.842	35.946	26.737	9.030	224.0	13.185	35.680	26.883	9.050	274.0	11.584	35.429	27.002	9.065
175.0	14.814	35.944	26.742	9.029	225.0	13.139	35.671	26.885	9.055	275.0	11.579	35.428	27.002	9.064
176.0	14.802	35.940	26.742	9.028	226.0	13.090	35.665	26.891	9.061	276.0	11.576	35.427	27.002	9.062
177.0	14.796	35.940	26.742	9.030	227.0	13.089	35.666	26.892	9.062	277.0	11.570	35.426	27.003	9.064
178.0	14.794	35.939	26.742	9.028	228.0	13.085	35.664	26.891	9.064	278.0	11.560	35.424	27.003	9.064
179.0	14.792	35.938	26.742	9.030	229.0	13.071	35.661	26.892	9.066	279.0	11.557	35.425	27.004	9.065
180.0	14.787	35.938	26.743	9.031	230.0	13.051	35.659	26.894	9.066	280.0	11.552	35.423	27.003	9.064
181.0	14.779	35.935	26.743	9.030	231.0	13.030	35.654	26.894	9.069	281.0	11.528	35.419	27.005	9.066
182.0	14.762	35.931	26.743	9.031	232.0	12.990	35.645	26.895	9.068	282.0	11.473	35.408	27.007	9.065
183.0	14.692	35.914	26.746	9.034	233.0	12.958	35.644	26.901	9.069	283.0	11.442	35.406	27.011	9.063
184.0	14.597	35.904	26.759	9.038	234.0	12.932	35.636	26.900	9.069	284.0	11.424	35.405	27.013	9.064
185.0	14.522	35.895	26.768	9.043	235.0	12.893	35.631	26.904	9.070	285.0	11.422	35.403	27.012	9.063
186.0	14.489	35.889	26.771	9.042	236.0	12.849	35.621	26.906	9.068	286.0	11.416	35.401	27.012	9.063
187.0	14.373	35.868	26.779	9.044	237.0	12.786	35.612	26.911	9.070	287.0	11.406	35.400	27.013	9.062
188.0	14.324	35.867	26.789	9.048	238.0	12.737	35.602	26.913	9.070	288.0	11.398	35.399	27.014	9.061
189.0	14.305	35.862	26.789	9.047	239.0	12.699	35.598	26.918	9.069	289.0	11.393	35.397	27.013	9.062
190.0	14.282	35.858	26.791	9.046	240.0	12.676	35.589	26.915	9.070	290.0	11.381	35.395	27.014	9.061
191.0	14.264	35.853	26.791	9.048	241.0	12.574	35.575	26.925	9.071	291.0	11.371	35.395	27.015	9.061
192.0	14.239	35.849	26.793	9.049	242.0	12.523	35.571	26.931	9.070	292.0	11.346	35.391	27.017	9.059
193.0	14.200	35.842	26.796	9.049	243.0	12.504	35.568	26.933	9.071	293.0	11.320	35.386	27.018	9.061
194.0	14.106	35.826	26.804	9.048	244.0	12.491	35.566	26.934	9.070	294.0	11.290	35.382	27.020	9.057
195.0	14.063	35.825	26.812	9.048	245.0	12.476	35.564	26.936	9.069	295.0	11.258	35.377	27.023	9.058
196.0	14.039	35.821	26.814	9.049	246.0	12.461	35.563	26.937	9.070	296.0	11.215	35.370	27.025	9.056
197.0	14.022	35.818	26.816	9.047	247.0	12.439	35.558	26.938	9.068	297.0	11.199	35.369	27.028	9.051
198.0	13.997	35.815	26.819	9.048	248.0	12.405	35.553	26.941	9.067	298.0	11.194	35.369	27.028	9.053
199.0	13.981	35.811	26.819	9.045	249.0	12.392	35.553	26.943	9.069	299.0	11.190	35.369	27.029	9.053
200.0	13.973	35.810	26.820	9.047	250.0	12.367	35.546	26.942	9.068	300.0	11.186	35.367	27.028	9.054
201.0	13.968	35.807	26.818	9.047	251.0	12.337	35.543	26.946	9.067	301.0	11.170	35.363	27.027	9.053
202.0	13.919	35.798	26.822	9.048	252.0	12.324	35.541	26.948	9.070	302.0	11.146	35.362	27.031	9.050
203.0	13.880	35.795	26.828	9.047	253.0	12.306	35.538	26.948	9.069	303.0	11.124	35.357	27.032	9.052

STATION SB082.PLT:: CRUISE 90g10 DATE & TIME Fri Jul 20 05:00:31 1990, Julian Day = 201
 LAT 28 03.09 LON 90 11.63 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
304.0	11.061	35.346	27.034	9.051	354.0	10.086	35.214	27.105	8.964					
305.0	11.024	35.345	27.040	9.041	355.0	10.069	35.213	27.107	8.964					
306.0	10.985	35.339	27.042	9.027	356.0	10.066	35.210	27.105	8.972					
307.0	10.909	35.325	27.046	9.030	357.0	10.061	35.208	27.105	8.970					
308.0	10.827	35.315	27.052	9.039	358.0	10.032	35.205	27.107	8.971					
309.0	10.775	35.308	27.057	9.037	359.0	10.007	35.200	27.108	8.975					
310.0	10.759	35.308	27.060	9.035	360.0	9.957	35.195	27.112	8.973					
311.0	10.743	35.307	27.062	9.037	361.0	9.932	35.192	27.115	8.973					
312.0	10.726	35.301	27.060	9.034	362.0	9.917	35.191	27.116	8.965					
313.0	10.702	35.299	27.063	9.027	363.0	9.906	35.190	27.117	8.969					
314.0	10.660	35.290	27.064	9.013	364.0	9.894	35.189	27.118	8.972					
315.0	10.596	35.283	27.070	9.005	365.0	9.854	35.183	27.120	8.968					
316.0	10.568	35.281	27.073	8.999	366.0	9.817	35.178	27.123	8.969					
317.0	10.563	35.280	27.073	8.980	367.0	9.700	35.152	27.122	8.968					
318.0	10.555	35.280	27.074	8.974										
319.0	10.533	35.276	27.075	8.974										
320.0	10.503	35.270	27.076	8.973										
321.0	10.491	35.271	27.078	8.969										
322.0	10.490	35.271	27.079	8.969										
323.0	10.488	35.269	27.078	8.965										
324.0	10.482	35.269	27.079	8.960										
325.0	10.478	35.268	27.078	8.955										
326.0	10.468	35.265	27.078	8.944										
327.0	10.443	35.262	27.080	8.937										
328.0	10.409	35.260	27.084	8.936										
329.0	10.396	35.259	27.086	8.931										
330.0	10.379	35.256	27.087	8.923										
331.0	10.358	35.252	27.087	8.922										
332.0	10.327	35.245	27.088	8.923										
333.0	10.278	35.240	27.092	8.949										
334.0	10.265	35.239	27.093	8.958										
335.0	10.251	35.235	27.093	8.967										
336.0	10.238	35.235	27.095	8.965										
337.0	10.224	35.233	27.096	8.967										
338.0	10.221	35.230	27.094	8.971										
339.0	10.210	35.230	27.096	8.969										
340.0	10.204	35.229	27.096	8.964										
341.0	10.199	35.229	27.097	8.962										
342.0	10.189	35.228	27.098	8.961										
343.0	10.184	35.228	27.098	8.960										
344.0	10.181	35.227	27.098	8.959										
345.0	10.178	35.227	27.099	8.958										
346.0	10.176	35.227	27.099	8.954										
347.0	10.174	35.226	27.099	8.949										
348.0	10.173	35.226	27.099	8.948										
349.0	10.171	35.226	27.099	8.946										
350.0	10.163	35.225	27.100	8.946										
351.0	10.143	35.218	27.099	8.956										
352.0	10.111	35.218	27.103	8.960										
353.0	10.098	35.216	27.104	8.964										



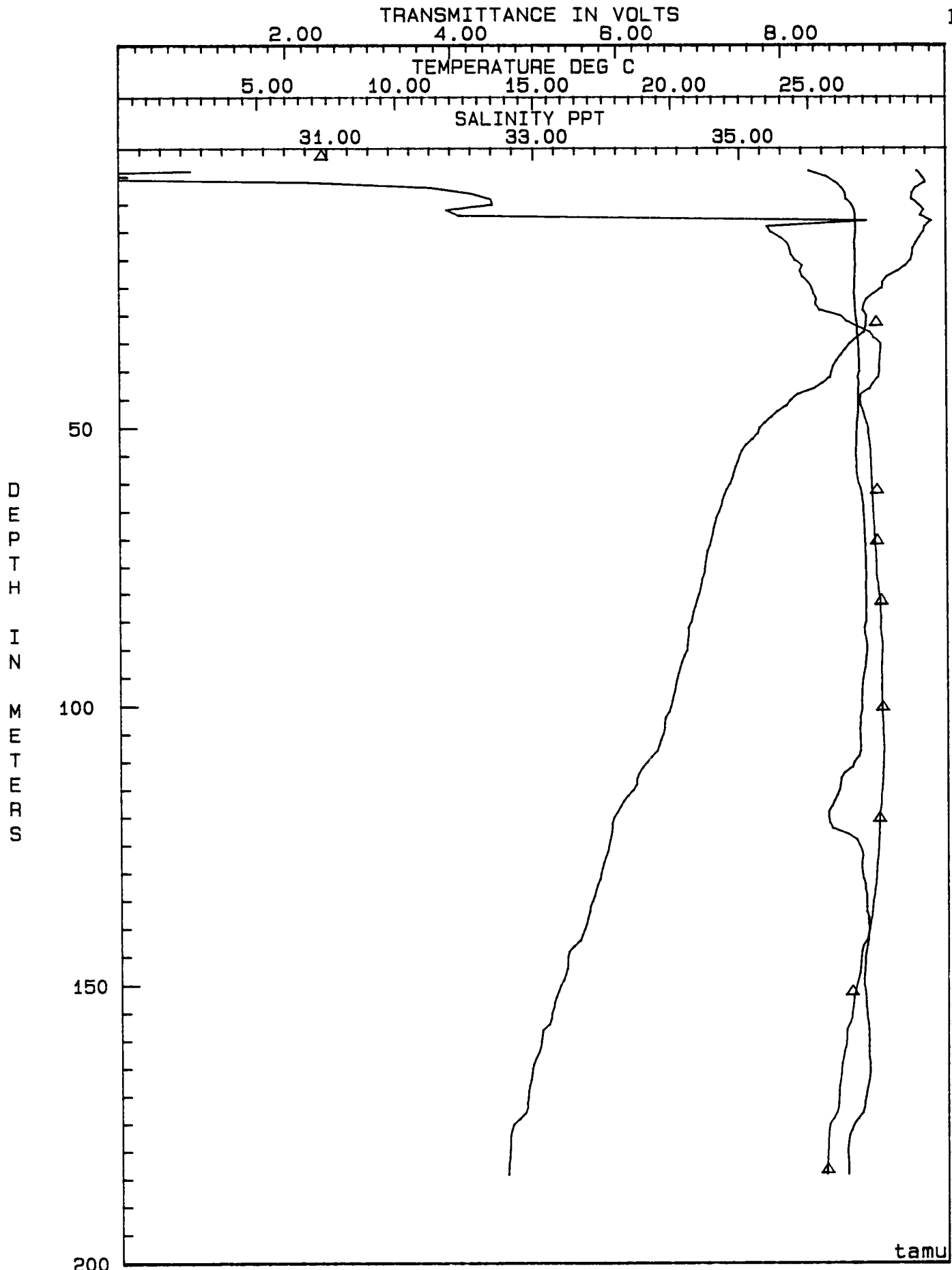
CRUISE: 90g10 STATION: SB082.PL DATE: Jul 20 05: 00: 31 1990
LATITUDE: 28 03.09 LONGITUDE: 90 11.63
TRIANGLES DENOTE DISCRETE SAMPLES

STATION S8083.PLT::: CRUISE 90g10 DATE & TIME Fri Jul 20 06:11:28 1990, Julian day = 201
 LAT 29 07.60 LON 90 12.94 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.922	29.694	18.114	8.341	54.0	22.567	36.255	25.012	8.889	104.0	19.700	36.366	25.884	8.927
5.0	29.106	27.119	16.127	8.547	55.0	22.481	36.255	25.037	8.889	105.0	19.650	36.367	25.899	8.928
6.0	29.237	30.821	18.854	8.653	56.0	22.418	36.257	25.056	8.899	106.0	19.567	36.370	25.923	8.931
7.0	28.877	32.015	19.868	8.729	57.0	22.337	36.259	25.081	8.895	107.0	19.501	36.372	25.942	8.933
8.0	28.733	32.406	20.208	8.772	58.0	22.270	36.260	25.101	8.898	108.0	19.426	36.373	25.962	8.933
9.0	28.718	32.596	20.356	8.781	59.0	22.214	36.265	25.120	8.910	109.0	19.227	36.368	26.010	8.914
10.0	28.980	32.612	20.282	8.848	60.0	22.134	36.265	25.143	8.922	110.0	19.059	36.367	26.052	8.859
11.0	29.162	32.162	19.884	8.878	61.0	22.003	36.270	25.184	8.947	111.0	18.895	36.368	26.095	8.836
12.0	29.038	32.286	20.018	8.892	62.0	21.924	36.271	25.207	8.961	112.0	19.764	36.363	26.125	8.739
13.0	29.436	36.226	22.840	8.890	63.0	21.841	36.274	25.233	8.968	113.0	18.684	36.361	26.144	8.697
14.0	29.197	35.265	22.200	8.898	64.0	21.803	36.276	25.245	8.979	114.0	18.674	36.358	26.144	8.690
15.0	29.148	35.303	22.244	8.896	65.0	21.719	36.279	25.271	8.977	115.0	18.553	36.353	26.171	8.678
16.0	29.007	35.396	22.362	8.890	66.0	21.625	36.282	25.299	8.986	116.0	18.360	36.345	26.214	8.651
17.0	28.884	35.460	22.451	8.881	67.0	21.575	36.286	25.316	8.989	117.0	18.207	36.346	26.253	8.620
18.0	28.763	35.487	22.511	8.887	68.0	21.518	36.289	25.334	8.991	118.0	18.085	36.341	26.280	8.588
19.0	28.741	35.496	22.525	8.889	69.0	21.483	36.291	25.345	8.993	119.0	17.974	36.333	26.301	8.546
20.0	28.684	35.535	22.574	8.891	70.0	21.430	36.295	25.363	8.996	120.0	17.838	36.328	26.331	8.546
21.0	28.503	35.606	22.687	8.894	71.0	21.385	36.296	25.377	9.000	121.0	17.786	36.326	26.342	8.559
22.0	28.213	35.582	22.765	8.888	72.0	21.294	36.304	25.407	8.997	122.0	17.767	36.324	26.345	8.590
23.0	27.832	35.603	22.906	8.885	73.0	21.262	36.305	25.417	9.005	123.0	17.747	36.325	26.351	8.771
24.0	27.666	35.661	23.003	8.880	74.0	21.223	36.306	25.429	9.007	124.0	17.698	36.320	26.359	8.882
25.0	27.644	35.696	23.037	8.880	75.0	21.198	36.308	25.437	9.004	125.0	17.659	36.319	26.368	8.912
26.0	27.340	35.712	23.147	8.876	76.0	21.182	36.306	25.440	9.009	126.0	17.616	36.314	26.375	8.941
27.0	27.081	35.740	23.251	8.884	77.0	21.097	36.312	25.468	9.009	127.0	17.545	36.312	26.391	8.955
28.0	26.979	35.729	23.276	8.886	78.0	21.066	36.323	25.485	9.002	128.0	17.475	36.304	26.402	8.944
29.0	26.944	35.770	23.318	8.890	79.0	21.030	36.324	25.496	9.003	129.0	17.418	36.300	26.413	8.939
30.0	27.070	35.968	23.427	8.895	80.0	20.980	36.330	25.514	9.004	130.0	17.360	36.297	26.425	8.950
31.0	27.057	36.029	23.477	8.904	81.0	20.913	36.341	25.541	9.007	131.0	17.330	36.294	26.429	8.960
32.0	27.039	36.135	23.563	8.914	82.0	20.842	36.342	25.561	9.006	132.0	17.238	36.288	26.447	8.983
33.0	26.990	36.253	23.667	8.909	83.0	20.774	36.342	25.580	9.002	133.0	17.181	36.281	26.455	8.984
34.0	26.721	36.289	23.781	8.918	84.0	20.735	36.348	25.594	9.006	134.0	17.127	36.276	26.464	8.999
35.0	26.473	36.355	23.909	8.926	85.0	20.695	36.345	25.603	9.002	135.0	17.052	36.264	26.473	8.999
36.0	26.309	36.355	23.961	8.929	86.0	20.594	36.344	25.629	8.985	136.0	16.964	36.258	26.490	9.000
37.0	26.150	36.348	24.006	8.930	87.0	20.601	36.348	25.631	8.987	137.0	16.946	36.255	26.492	8.999
38.0	25.991	36.345	24.053	8.935	88.0	20.567	36.357	25.647	9.004	138.0	16.885	36.249	26.501	9.021
39.0	25.870	36.340	24.087	8.931	89.0	20.551	36.362	25.655	9.011	139.0	16.834	36.237	26.505	9.022
40.0	25.801	36.342	24.110	8.936	90.0	20.541	36.360	25.656	9.015	140.0	16.766	36.229	26.515	9.031
41.0	25.759	36.332	24.116	8.914	91.0	20.431	36.356	25.683	9.007	141.0	16.684	36.217	26.526	9.020
42.0	25.482	36.283	24.165	8.930	92.0	20.342	36.353	25.704	8.997	142.0	16.607	36.206	26.535	9.019
43.0	25.168	36.250	24.237	8.922	93.0	20.286	36.352	25.719	8.992	143.0	16.386	36.167	26.557	9.008
44.0	24.581	36.161	24.348	8.917	94.0	20.223	36.352	25.736	8.979	144.0	16.199	36.152	26.589	8.994
45.0	24.343	36.155	24.416	8.920	95.0	20.175	36.354	25.749	8.969	145.0	16.153	36.146	26.595	8.983
46.0	24.187	36.163	24.468	8.920	96.0	20.129	36.354	25.762	8.959	146.0	16.150	36.144	26.594	8.982
47.0	23.858	36.183	24.582	8.918	97.0	20.086	36.352	25.772	8.953	147.0	16.136	36.140	26.595	8.979
48.0	23.635	36.199	24.659	8.912	98.0	20.033	36.355	25.788	8.952	148.0	16.076	36.132	26.602	8.972
49.0	23.411	36.215	24.737	8.905	99.0	19.989	36.356	25.801	8.949	149.0	16.002	36.119	26.609	8.969
50.0	23.205	36.232	24.811	8.902	100.0	19.942	36.356	25.813	8.953	150.0	15.893	36.104	26.623	8.971
51.0	23.146	36.231	24.827	8.895	101.0	19.881	36.358	25.831	8.949	151.0	15.823	36.096	26.632	8.983
52.0	22.948	36.242	24.893	8.898	102.0	19.737	36.361	25.871	8.932	152.0	15.744	36.079	26.638	8.990
53.0	22.719	36.247	24.962	8.896	103.0	19.708	36.366	25.882	8.931	153.0	15.676	36.075	26.650	8.993

STATION SB083.PLT::: CRUISE 90g10 DATE & TIME Fri Jul 20 06:11:28 1990, Julian day = 201
 LAT 28 07.60 LON 90 12.94 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	15.640	36.068	26.653	8.994										
155.0	15.570	36.059	26.662	9.003										
156.0	15.550	36.057	26.665	9.006										
157.0	15.486	36.036	26.663	9.017										
158.0	15.242	36.008	26.697	9.024										
159.0	15.216	36.008	26.702	9.025										
160.0	15.191	36.003	26.704	9.027										
161.0	15.162	35.998	26.707	9.024										
162.0	15.105	35.984	26.708	9.024										
163.0	15.003	35.975	26.724	9.027										
164.0	14.917	35.962	26.733	9.034										
165.0	14.864	35.955	26.739	9.038										
166.0	14.843	35.952	26.742	9.035										
167.0	14.814	35.946	26.743	9.028										
168.0	14.761	35.936	26.748	9.013										
169.0	14.724	35.931	26.752	8.999										
170.0	14.710	35.929	26.753	8.987										
171.0	14.679	35.925	26.757	8.972										
172.0	14.675	35.923	26.757	8.969										
173.0	14.607	35.908	26.760	8.948										
174.0	14.401	35.880	26.782	8.897										
175.0	14.178	35.842	26.801	8.847										
176.0	14.111	35.833	26.809	8.817										
177.0	14.068	35.829	26.814	8.788										
178.0	14.061	35.826	26.813	8.777										
179.0	14.060	35.825	26.813	8.768										
180.0	14.042	35.822	26.814	8.764										
181.0	14.029	35.820	26.815	8.768										
182.0	14.009	35.817	26.818	8.773										
183.0	13.996	35.814	26.818	8.775										
184.0	13.989	35.814	26.819	8.772										

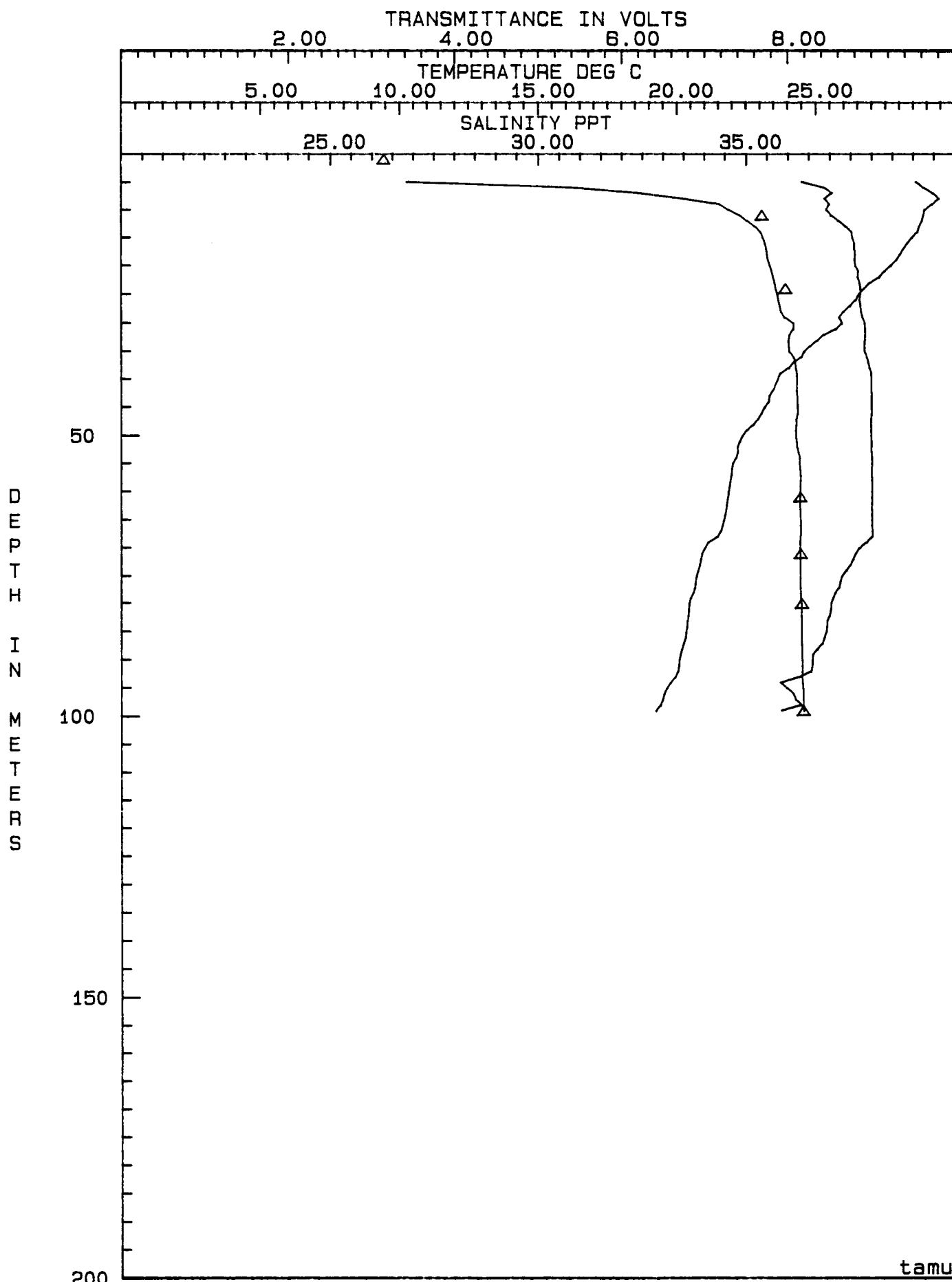


CRUISE: 90g10 STATION: SB083.PL DATE: Jul 20 06: 11: 28 1990
LATITUDE: 28 07.60 LONGITUDE: 90 12.94
TRIANGLES DENOTE DISCRETE SAMPLES

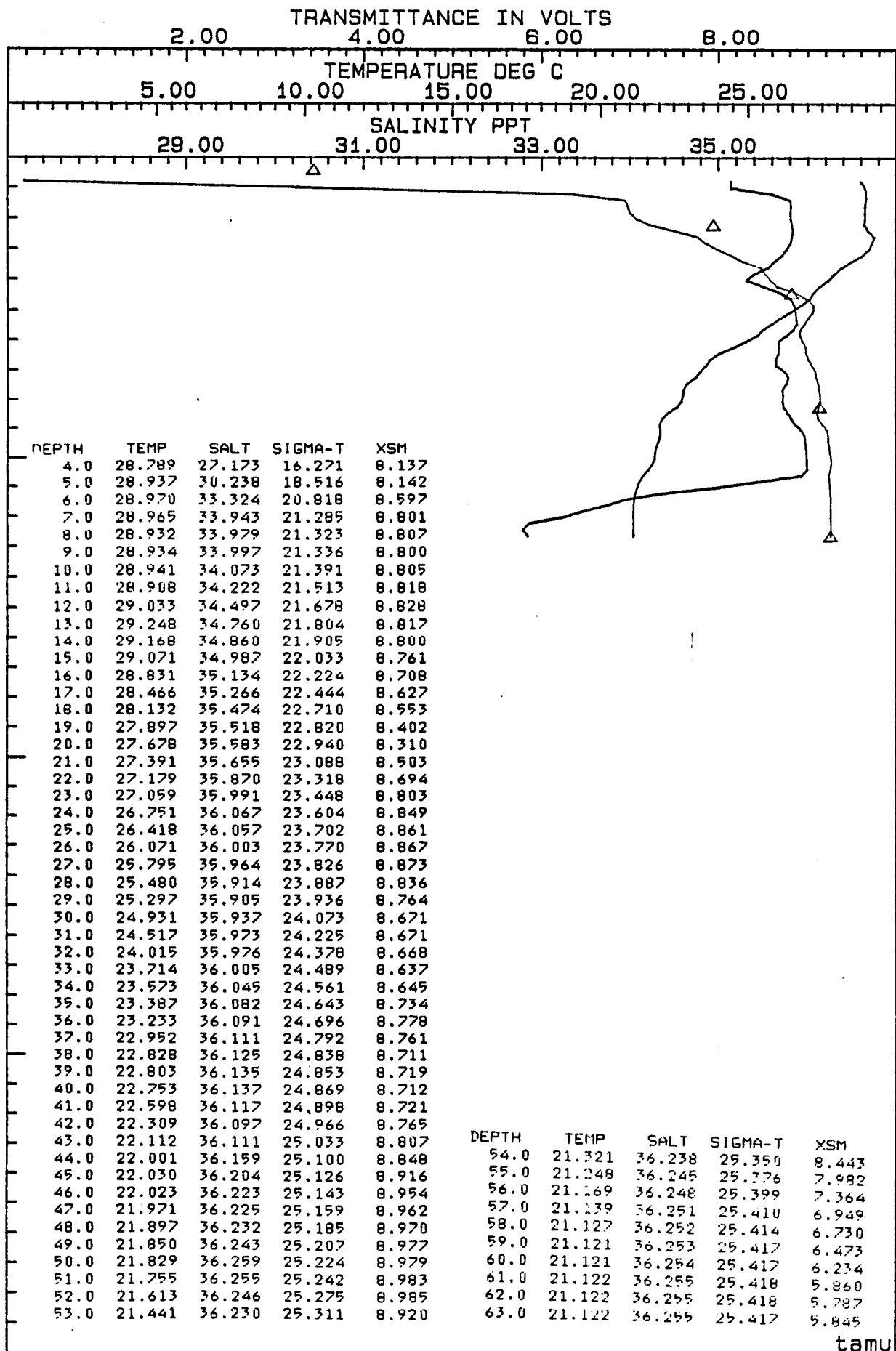
tamu

STATION 55084.PL1:: CRUISE 90g10 DATE & TIME Fri Jul 20 07:14:56 1990, Julian day = 201
 LAT 23 13.04 LON 90 15.46 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
5.0	28.572	36.828	16.083	8.162	57.0	21.948	36.292	25.217	8.990					
6.0	28.854	36.768	18.941	8.425	58.0	21.914	36.289	25.223	8.992					
7.0	29.184	32.367	20.030	8.521	59.0	21.884	36.284	25.228	8.994					
8.0	29.406	33.452	20.769	8.429	60.0	21.848	36.279	25.234	8.992					
9.0	29.166	34.336	21.512	8.485	61.0	21.819	36.275	25.239	8.992					
10.0	28.890	34.564	21.776	8.452	62.0	21.786	36.274	25.248	8.993					
11.0	28.840	34.827	21.990	8.506	63.0	21.762	36.278	25.258	8.991					
12.0	28.788	35.013	22.147	8.594	64.0	21.724	36.282	25.271	8.993					
13.0	28.696	35.199	22.317	8.679	65.0	21.681	36.292	25.291	8.993					
14.0	28.631	35.338	22.443	8.752	66.0	21.628	36.295	25.308	8.993					
15.0	28.434	35.391	22.548	8.760	67.0	21.574	36.295	25.323	8.999					
16.0	28.264	35.442	22.643	8.784	68.0	21.446	36.285	25.352	8.998					
17.0	28.121	35.472	22.712	8.785	69.0	21.102	36.275	25.438	8.929					
18.0	27.997	35.494	22.769	8.793	70.0	20.981	36.280	25.476	8.845					
19.0	27.869	35.515	22.827	8.789	71.0	20.888	36.284	25.504	8.799					
20.0	27.673	35.561	22.925	8.798	72.0	20.840	36.284	25.517	8.770					
21.0	27.427	35.604	23.038	8.832	73.0	20.800	36.286	25.529	8.737					
22.0	27.257	35.636	23.116	8.826	74.0	20.740	36.284	25.544	8.688					
23.0	26.911	35.673	23.256	8.847	75.0	20.681	36.285	25.561	8.635					
24.0	26.701	35.700	23.343	8.858	76.0	20.642	36.287	25.573	8.612					
25.0	26.526	35.738	23.426	8.855	77.0	20.623	36.287	25.579	8.600					
26.0	26.402	35.762	23.484	8.846	78.0	20.559	36.290	25.597	8.554					
27.0	26.206	35.794	23.570	8.858	79.0	20.472	36.296	25.625	8.529					
28.0	25.970	35.823	23.666	8.865	80.0	20.412	36.306	25.649	8.505					
29.0	25.813	35.906	23.778	8.883	81.0	20.397	36.306	25.654	8.500					
30.0	25.917	36.127	23.911	8.910	82.0	20.381	36.306	25.658	8.487					
31.0	25.701	36.124	23.977	8.913	83.0	20.341	36.310	25.671	8.455					
32.0	25.261	36.027	24.040	8.915	84.0	20.330	36.310	25.674	8.453					
33.0	25.027	36.006	24.095	8.910	85.0	20.305	36.313	25.683	8.447					
34.0	24.761	36.011	24.181	8.904	86.0	20.281	36.311	25.688	8.424					
35.0	24.566	36.024	24.249	8.910	87.0	20.210	36.314	25.710	8.401					
36.0	24.464	36.129	24.359	8.932	88.0	20.150	36.320	25.730	8.340					
37.0	24.193	36.163	24.467	8.948	89.0	20.092	36.323	25.748	8.288					
38.0	24.024	36.176	24.527	8.965	90.0	20.052	36.327	25.761	8.280					
39.0	23.709	36.205	24.642	8.985	91.0	20.038	36.326	25.764	8.277					
42.0	23.437	36.203	24.720	8.988	92.0	20.000	36.326	25.775	8.265					
43.0	23.316	36.216	24.766	8.991	93.0	19.898	36.324	25.800	8.120					
44.0	23.301	36.218	24.772	8.988	94.0	19.730	36.335	25.853	7.900					
45.0	23.146	36.223	24.821	8.987	95.0	19.593	36.345	25.897	7.979					
46.0	23.036	36.225	24.854	8.990	96.0	19.505	36.349	25.923	8.054					
47.0	22.916	36.193	24.865	8.983	97.0	19.452	36.351	25.939	8.078					
48.0	22.740	36.191	24.914	8.982	98.0	19.365	36.352	25.962	8.149					
49.0	22.513	36.180	24.971	8.982	99.0	19.198	36.364	26.014	7.913					
50.0	22.355	36.181	25.016	8.984										
51.0	22.258	36.198	25.057	8.987										
52.0	22.173	36.213	25.092	8.985										
53.0	22.181	36.240	25.111	8.989										
54.0	22.117	36.273	25.154	8.993										
55.0	22.006	36.263	25.178	8.992										
56.0	21.963	36.280	25.203	8.991										



CRUISE: 90g10 STATION: SB084.PL DATE: Jul 20 07: 14: 56 1990
LATITUDE: 28 13.04 LONGITUDE: 90 15.46
TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB085.PL DATE: Jul 20 08:05:58 1990
 LATITUDE: 28 18.44 LONGITUDE: 90 17.50
 TRIANGLES DENOTE DISCRETE SAMPLES

TRANSMITTANCE IN VOLTS

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TEMPERATURE DEG C

5.00 10.00 15.00 20.00 25.00

SALINITY PPT

29.00 31.00 33.00 35.00

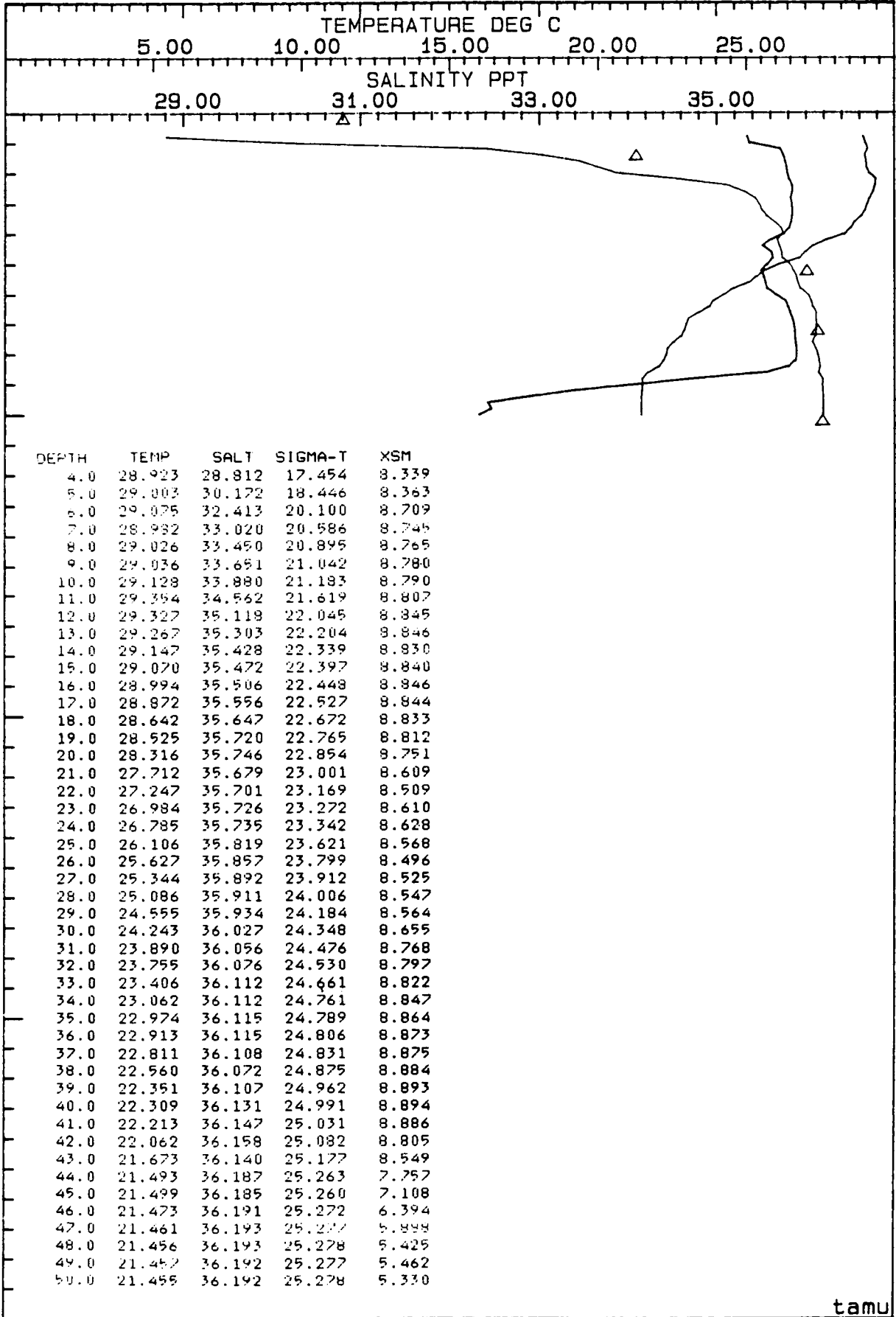
DEPTH IN METERS

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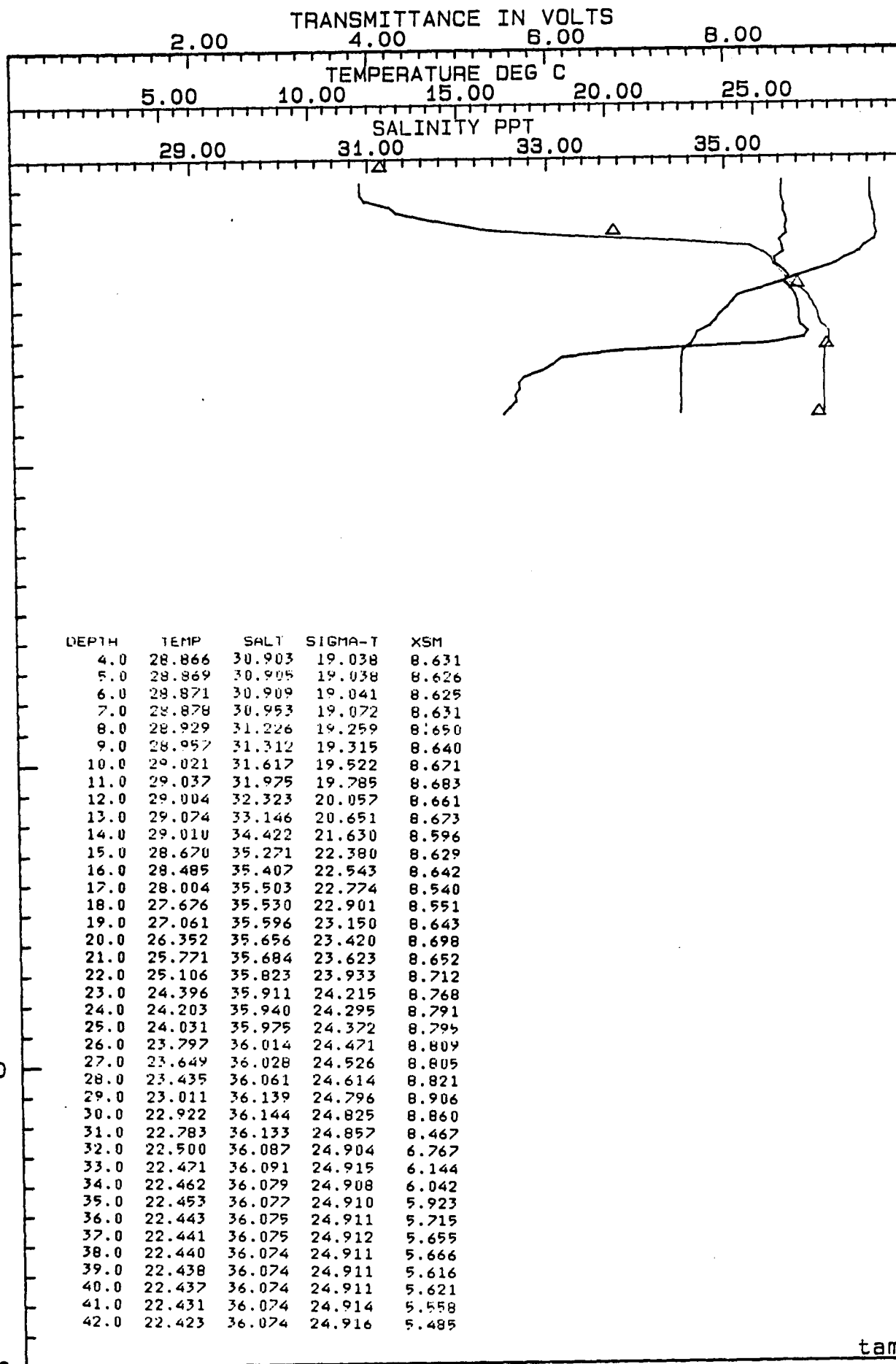
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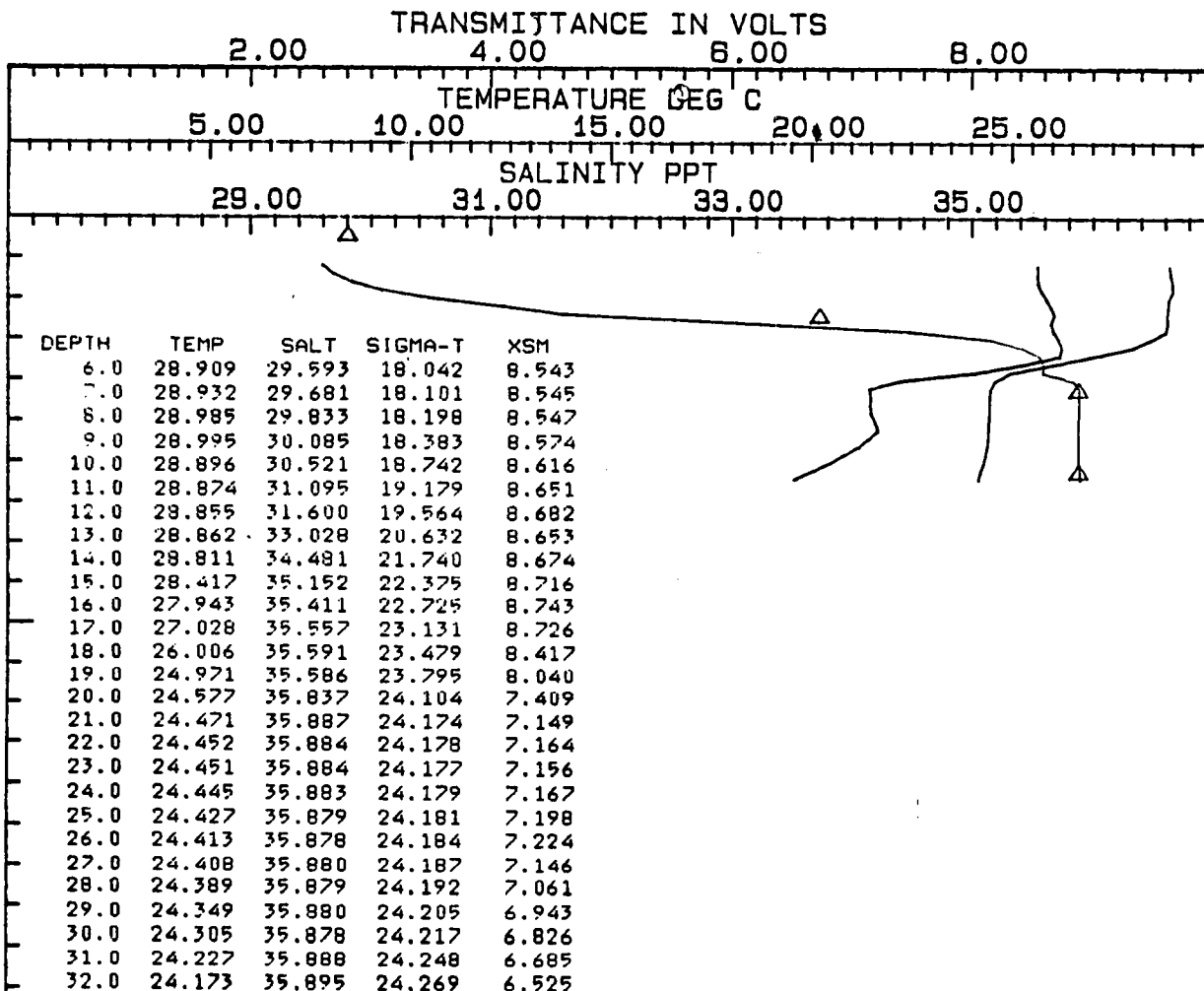
tamu

CRUISE: 90g10 STATION: SB086.PL DATE: Jul 20 08: 54: 40 1990
 LATITUDE: 28 24.06 LONGITUDE: 90 19.97
 TRIANGLES DENOTE DISCRETE SAMPLES



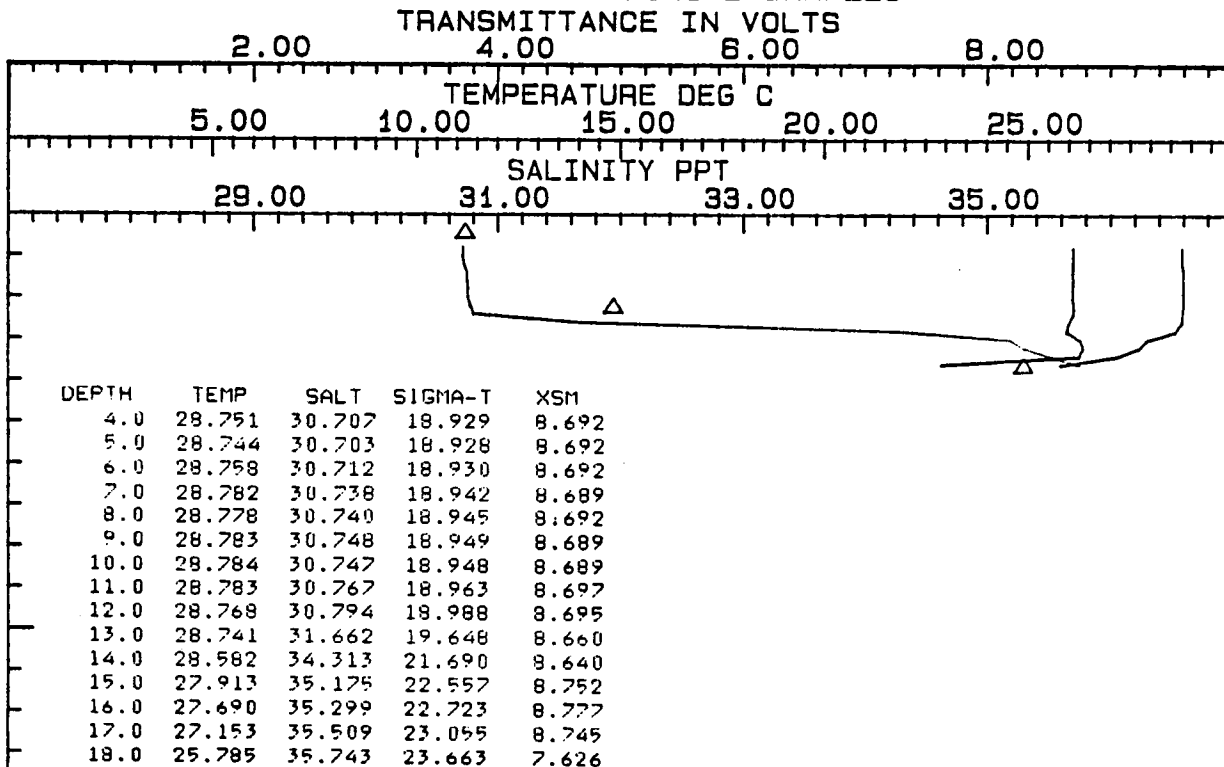
CRUISE: 90g10 STATION: SB087.PL DATE: Jul 20 09:37:07 1990
 LATITUDE: 28 29.56 LONGITUDE: 90 21.50
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu



CRUISE: 90g10 STATION: SB088.PL DATE: Jul 20 10:19:07 1990
 LATITUDE: 28 35.03 LONGITUDE: 90 24.09

TRIANGLES DENOTE DISCRETE SAMPLES



CRUISE: 90g10 STATION: SB089.PL DATE: Jul 20 11:02:55 1990
 LATITUDE: 28 40.71 LONGITUDE: 90 25.98

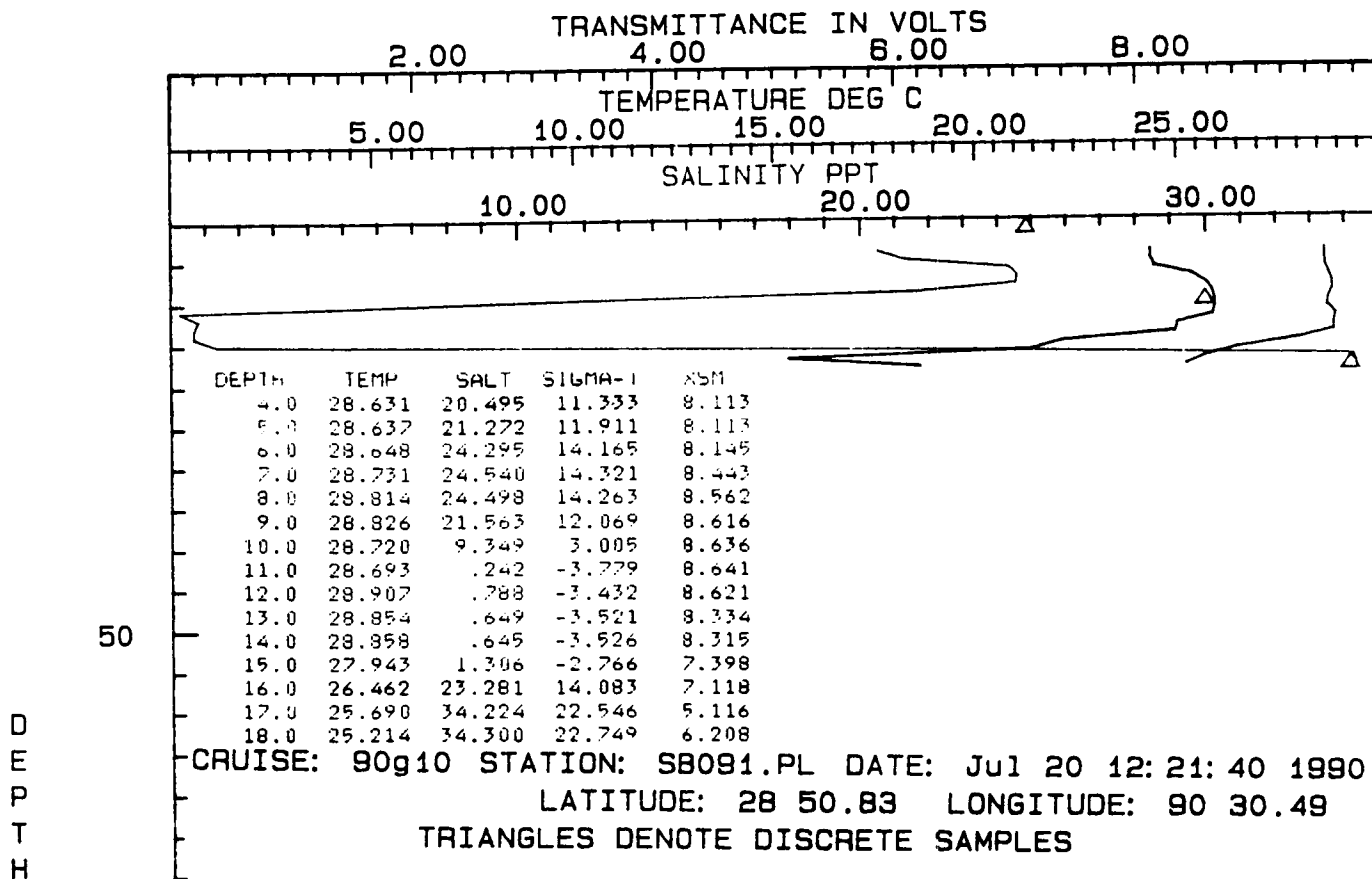
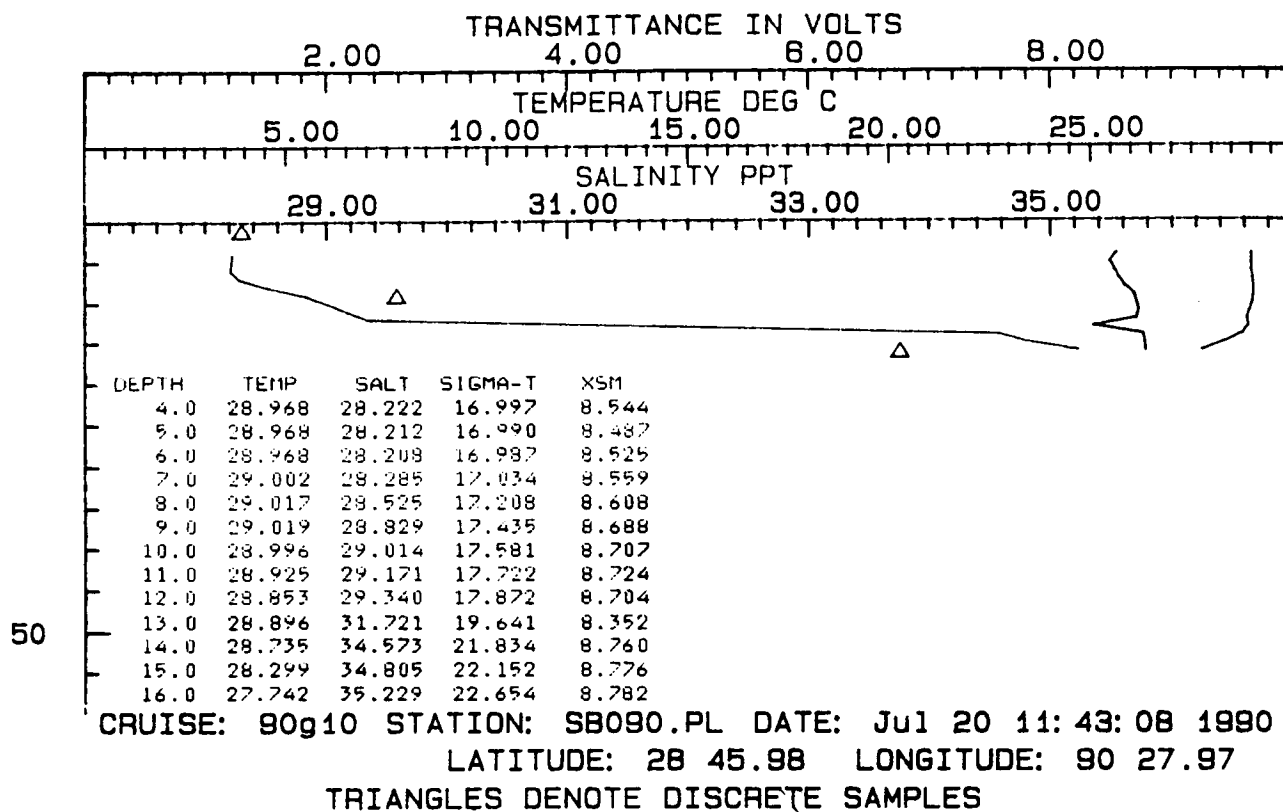
TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH

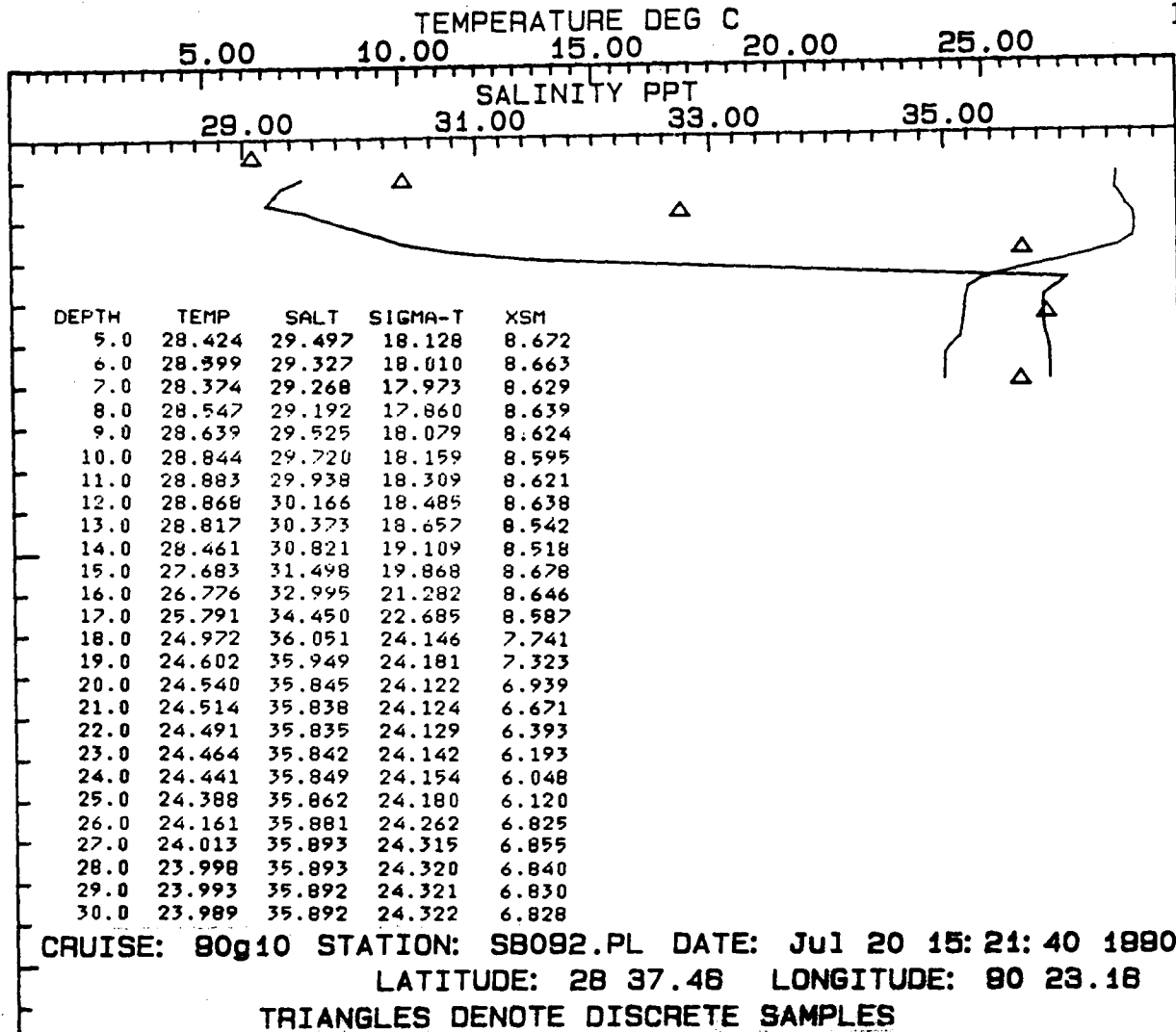
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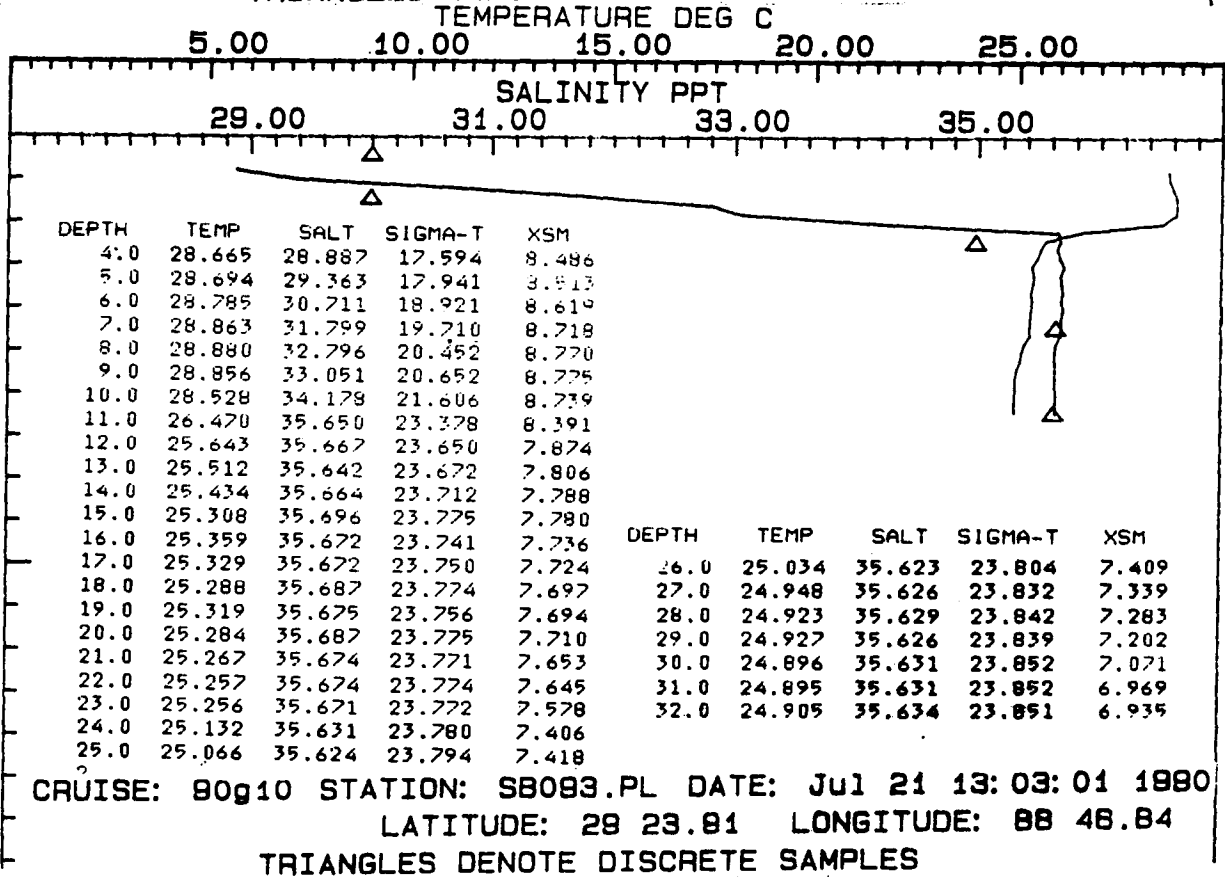
DEPTH

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DEPTH



DEPTH



TEMPERATURE DEG C
5.00 10.00 15.00 20.00 25.00

132

SALINITY PPT
25.00 30.00 35.00

DEPTH IN METERS

50

100

150

200

DEPTH	TEMP	SALT	SIGMA-T	XSM
3.0	28.691	11.159	4.360	7.431
4.0	28.705	25.082	14.735	8.146
5.0	28.691	27.117	16.260	8.317
6.0	28.653	27.612	16.644	8.368
7.0	28.544	27.937	16.921	8.357
8.0	28.501	28.074	17.038	8.355
9.0	28.638	28.198	17.086	8.463
10.0	28.641	28.661	17.432	8.667
11.0	28.635	29.965	18.410	8.771
12.0	28.298	33.946	21.508	8.822
13.0	28.185	35.669	22.839	8.860
14.0	27.237	35.726	23.191	8.862
15.0	26.931	35.845	23.379	8.864
16.0	26.625	35.942	23.550	8.870
17.0	26.134	35.991	23.741	8.853
18.0	25.800	36.002	23.854	8.847
19.0	25.337	36.032	24.020	8.843
20.0	25.021	36.007	24.098	8.781
21.0	24.583	35.928	24.171	8.474
22.0	24.110	35.811	24.224	7.909
23.0	24.092	35.848	24.258	7.886
24.0	24.216	35.947	24.296	8.210
25.0	24.252	36.011	24.334	8.418
26.0	24.139	36.024	24.377	8.371
27.0	24.053	36.033	24.409	8.327
28.0	23.948	36.031	24.439	8.252
29.0	23.843	36.032	24.471	8.174
30.0	23.769	36.027	24.489	8.067
31.0	23.707	36.024	24.505	7.993
32.0	23.600	36.007	24.524	7.817
33.0	23.542	36.012	24.544	7.721
34.0	23.537	36.017	24.550	7.719
35.0	23.542	36.024	24.554	7.749
36.0	23.550	36.028	24.554	7.786
37.0	23.553	36.030	24.556	7.782
38.0	23.560	36.035	24.557	7.818
39.0	23.565	36.037	24.557	7.835
40.0	23.557	36.039	24.561	7.845
41.0	23.553	36.039	24.562	7.847
42.0	23.247	36.094	24.694	8.009
43.0	22.981	36.147	24.811	8.247
44.0	22.809	36.150	24.863	8.415
45.0	22.636	36.156	24.917	8.471
46.0	22.520	36.179	24.968	8.346
47.0	22.456	36.184	24.990	8.310
48.0	22.405	36.189	25.008	8.294
49.0	22.352	36.195	25.028	8.247
50.0	22.293	36.194	25.044	8.071
51.0	22.196	36.191	25.070	8.266
52.0	22.166	36.197	25.082	8.390

DEPTH	TEMP	SALT	SIGMA-T	XSM
53.0	22.159	36.199	25.086	8.324
54.0	22.134	36.200	25.094	8.287
55.0	22.049	36.203	25.120	7.882
56.0	21.959	36.208	25.149	7.338
57.0	21.948	36.210	25.154	7.252
58.0	21.936	36.210	25.157	7.290
59.0	21.922	36.211	25.162	7.196
60.0	21.876	36.215	25.178	6.855
61.0	21.847	36.219	25.189	6.521
62.0	21.825	36.221	25.197	6.560
63.0	21.795	36.224	25.208	6.592
64.0	21.751	36.229	25.223	6.386

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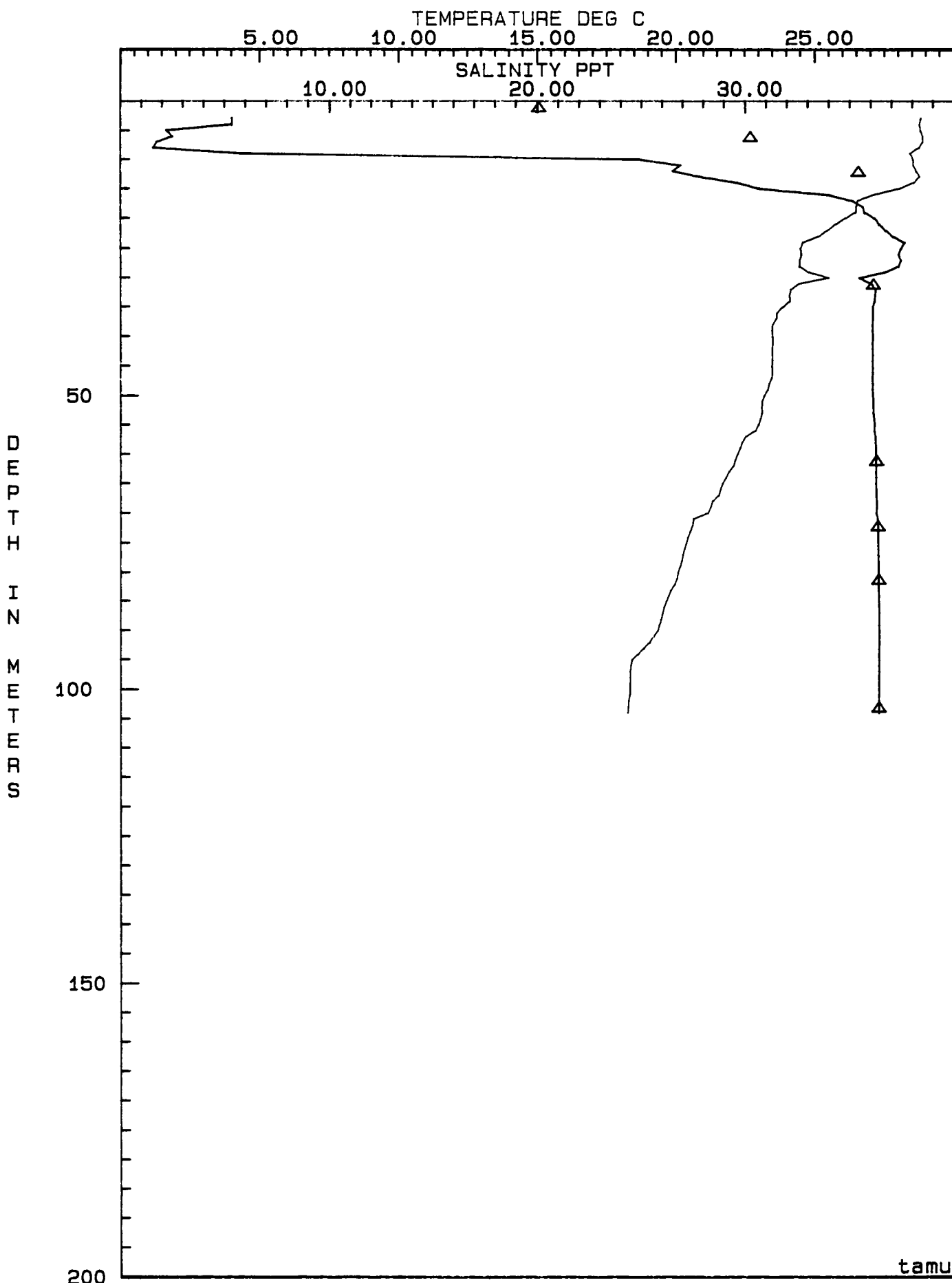
CRUISE: 90g10 STATION: SB094.PL DATE: Jul 21 14:26:32 1990

LATITUDE: 29 12.45 LONGITUDE: 88 50.91

TRIANGLES DENOTE DISCRETE SAMPLES

STATION SBU95.PLT:: CRUISE 90g10 DATE & TIME Sat Jul 21 15:47:32 1990, Julian day = 202
 LAT 29 03.20 LUN 88 53.00 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
3.0	28.787	5.342	.002	3.360	53.0	23.095	36.095	24.738	7.805	103.0	18.234	36.341	26.242	6.299
4.0	28.732	5.340	.017	4.056	54.0	23.036	36.127	24.780	8.198	104.0	18.217	36.341	26.246	6.139
5.0	28.768	2.186	-2.346	6.263	55.0	22.965	36.146	24.815	8.559					
6.0	28.849	2.486	-2.146	7.346	56.0	22.852	36.132	24.837	8.769					
7.0	28.856	1.735	-2.709	7.757	57.0	22.508	36.193	24.982	9.818					
8.0	28.723	1.564	-2.798	8.321	58.0	22.376	36.201	25.026	8.803					
9.0	28.390	5.809	.468	8.410	59.0	22.305	36.214	25.056	8.775					
10.0	28.505	24.854	14.628	8.425	60.0	22.210	36.210	25.080	8.763					
11.0	28.506	26.866	16.132	8.445	61.0	22.124	36.222	25.113	8.718					
12.0	28.614	26.477	15.807	8.539	62.0	22.062	36.226	25.134	8.680					
13.0	28.736	27.794	16.752	8.663	63.0	21.901	36.217	25.172	8.651					
14.0	28.540	29.574	18.149	8.759	64.0	21.789	36.228	25.212	8.630					
15.0	28.015	30.685	19.151	8.781	65.0	21.668	36.220	25.240	8.599					
16.0	27.095	33.944	21.894	8.794	66.0	21.590	36.238	25.276	8.568					
17.0	26.514	35.075	22.931	8.822	67.0	21.528	36.233	25.289	8.559					
18.0	26.466	35.584	23.330	8.767	68.0	21.296	36.258	25.373	8.395					
19.0	26.446	35.674	23.404	8.765	69.0	21.229	36.257	25.390	8.433					
20.0	26.079	36.162	23.888	8.787	70.0	21.135	36.235	25.399	8.261					
21.0	25.731	36.371	24.154	8.769	71.0	20.613	36.309	25.597	7.298					
22.0	25.431	36.704	24.499	8.644	72.0	20.580	36.313	25.609	7.035					
23.0	25.114	37.038	24.850	8.242	73.0	20.495	36.315	25.634	6.605					
24.0	24.549	37.606	25.452	7.785	74.0	20.407	36.317	25.660	6.379					
25.0	24.474	37.430	25.342	7.939	75.0	20.346	36.323	25.680	6.684					
26.0	24.513	37.313	25.241	8.158	76.0	20.283	36.327	25.700	7.030					
27.0	24.443	37.428	25.349	8.276	77.0	20.218	36.330	25.720	7.161					
28.0	24.436	37.312	25.264	8.434	78.0	20.186	36.331	25.729	7.042					
29.0	24.757	36.672	24.681	8.506	79.0	20.121	36.333	25.748	6.840					
30.0	25.483	35.426	23.517	8.492	80.0	20.036	36.335	25.772	6.826					
31.0	24.447	35.999	24.266	8.453	81.0	20.008	36.344	25.787	6.904					
32.0	24.117	36.212	24.526	8.470	82.0	19.921	36.327	25.797	7.001					
33.0	24.083	36.187	24.518	8.472	83.0	19.777	36.342	25.846	7.083					
34.0	24.097	36.157	24.490	8.466	84.0	19.707	36.347	25.868	7.079					
35.0	23.844	36.080	24.507	8.291	85.0	19.626	36.343	25.887	7.050					
36.0	23.628	36.073	24.566	8.036	86.0	19.538	36.354	25.918	7.128					
37.0	23.612	36.075	24.572	7.969	87.0	19.484	36.353	25.931	7.243					
38.0	23.474	36.054	24.596	7.724	88.0	19.429	36.357	25.949	7.300					
39.0	23.456	36.060	24.606	7.725	89.0	19.358	36.358	25.969	7.532					
40.0	23.472	36.071	24.610	7.772	90.0	19.304	36.357	25.981	7.669					
41.0	23.484	36.050	24.591	7.753	91.0	19.161	36.364	26.024	7.946					
42.0	23.455	36.055	24.603	7.738	92.0	19.003	36.359	26.061	7.896					
43.0	23.459	36.063	24.608	7.726	93.0	18.795	36.346	26.104	7.445					
44.0	23.468	36.049	24.595	7.735	94.0	18.590	36.338	26.150	7.336					
45.0	23.444	36.054	24.605	7.752	95.0	18.375	36.347	26.211	6.935					
46.0	23.470	36.054	24.598	7.721	96.0	18.327	36.345	26.222	6.652					
47.0	23.440	36.045	24.600	7.764	97.0	18.307	36.347	26.228	6.610					
48.0	23.347	36.049	24.630	7.799	98.0	18.306	36.346	26.228	6.573					
49.0	23.298	36.048	24.644	7.854	99.0	18.298	36.344	26.229	6.413					
50.0	23.173	36.069	24.696	7.808	100.0	18.295	36.343	26.228	6.411					
51.0	23.095	36.082	24.729	7.721	101.0	18.289	36.342	26.229	6.412					
52.0	23.077	36.094	24.743	7.683	102.0	18.249	36.343	26.240	6.356					

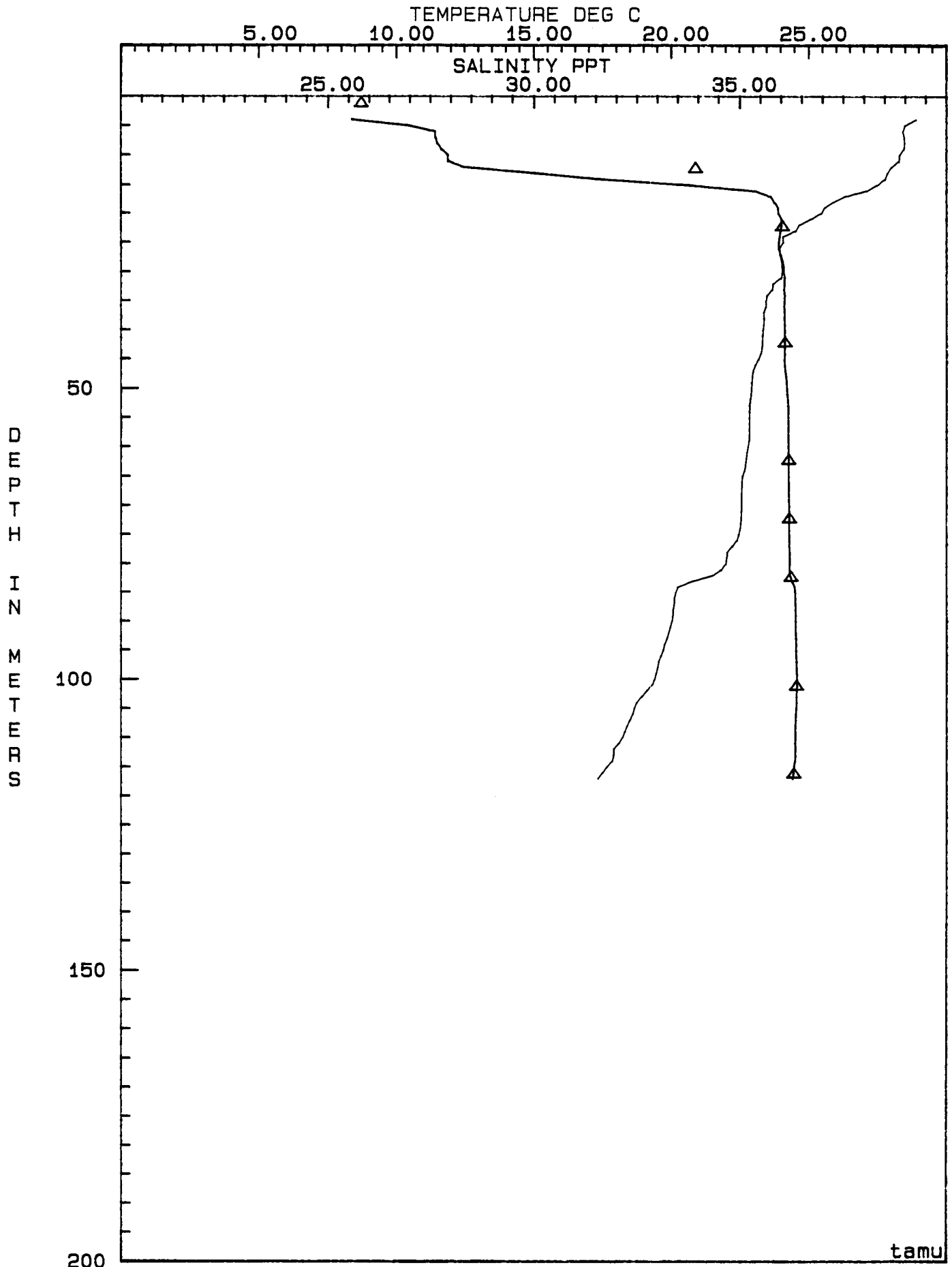


CRUISE: 90g10 STATION: SB095.PL DATE: Jul 21 15: 47: 32 1990
LATITUDE: 29 03.20 LONGITUDE: 88 53.00
TRIANGLES DENOTE DISCRETE SAMPLES

tamu

STATION SB096.PLT::: CRUISE 90g10 DATE & TIME Sat Jul 21 17:09:24 1990, Julian day = 202
 LAT 28 55.23 LON 89 00.93 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.975	25.574	15.048	4.090	54.0	22.836	36.164	24.866	7.760	104.0	18.715	36.356	26.132	7.960
5.0	28.469	26.933	16.194	5.600	55.0	22.838	36.167	24.867	7.780	105.0	18.627	36.350	26.150	7.728
6.0	28.390	27.600	16.719	7.016	56.0	22.840	36.168	24.867	7.753	106.0	18.572	36.340	26.156	7.560
7.0	28.436	27.608	16.710	7.311	57.0	22.839	36.168	24.868	7.789	107.0	18.469	36.336	26.179	7.463
8.0	28.451	27.651	16.737	7.406	58.0	22.840	36.167	24.867	7.787	108.0	18.363	36.331	26.202	7.403
9.0	28.419	27.752	16.824	7.434	59.0	22.830	36.169	24.871	7.789	109.0	18.285	36.329	26.220	7.389
10.0	28.269	27.911	16.990	7.550	60.0	22.791	36.173	24.885	7.777	110.0	18.200	36.337	26.248	7.749
11.0	28.248	27.910	16.996	7.505	61.0	22.750	36.173	24.897	7.707	111.0	18.075	36.329	26.273	7.898
12.0	27.972	28.294	17.373	6.604	62.0	22.720	36.174	24.907	7.676	112.0	17.880	36.335	26.326	7.931
13.0	27.825	29.966	18.673	6.661	63.0	22.699	36.175	24.914	7.661	113.0	17.878	36.332	26.324	8.043
14.0	27.744	31.570	19.903	6.908	64.0	22.667	36.175	24.923	7.594	114.0	17.825	36.320	26.328	7.912
15.0	27.457	33.764	21.643	7.519	65.0	22.589	36.179	24.948	7.570	115.0	17.633	36.298	26.359	7.818
16.0	27.074	35.365	22.971	8.464	66.0	22.564	36.182	24.958	7.635	116.0	17.483	36.288	26.387	7.679
17.0	26.293	35.741	23.503	8.726	67.0	22.558	36.183	24.960	7.665	117.0	17.312	36.264	26.411	7.397
18.0	25.880	35.827	23.697	8.742	68.0	22.554	36.182	24.961	7.673					
19.0	25.565	35.916	23.862	8.763	69.0	22.550	36.183	24.962	7.674					
20.0	25.442	35.929	23.910	8.757	70.0	22.546	36.183	24.964	7.708					
21.0	25.065	36.000	24.079	8.758	71.0	22.544	36.184	24.965	7.735					
22.0	24.638	36.002	24.211	8.598	72.0	22.540	36.184	24.966	7.739					
23.0	24.514	35.974	24.227	8.438	73.0	22.524	36.185	24.971	7.727					
24.0	24.051	35.953	24.349	8.139	74.0	22.500	36.186	24.979	7.778					
25.0	24.069	35.937	24.332	8.121	75.0	22.449	36.189	24.996	7.790					
26.0	23.931	35.934	24.371	7.913	76.0	22.387	36.190	25.015	7.792					
27.0	23.949	35.979	24.400	8.183	77.0	22.225	36.188	25.059	7.756					
28.0	24.007	36.022	24.415	8.459	78.0	22.037	36.197	25.119	7.537					
29.0	24.030	36.050	24.430	8.600	79.0	22.004	36.200	25.130	7.489					
30.0	24.037	36.058	24.433	8.664	80.0	21.980	36.199	25.136	7.395					
31.0	23.998	36.079	24.461	8.803	81.0	21.813	36.199	25.183	7.281					
32.0	23.701	36.069	24.541	8.724	82.0	21.473	36.211	25.287	7.247					
33.0	23.674	36.063	24.545	8.544	83.0	20.741	36.257	25.523	7.328					
34.0	23.485	36.078	24.612	8.164	84.0	20.217	36.322	25.714	7.852					
35.0	23.441	36.073	24.621	8.105	85.0	20.145	36.331	25.740	8.022					
36.0	23.438	36.065	24.616	8.045	86.0	20.099	36.336	25.756	8.105					
37.0	23.365	36.077	24.646	8.077	87.0	20.086	36.337	25.760	8.138					
38.0	23.370	36.072	24.641	8.065	88.0	20.045	36.339	25.772	8.148					
39.0	23.365	36.080	24.649	8.034	89.0	20.032	36.339	25.777	8.173					
40.0	23.330	36.081	24.659	8.044	90.0	20.003	36.337	25.783	8.119					
41.0	23.318	36.081	24.663	8.041	91.0	19.944	36.338	25.799	7.964					
42.0	23.313	36.080	24.664	8.041	92.0	19.889	36.340	25.815	7.942					
43.0	23.301	36.081	24.668	8.030	93.0	19.823	36.343	25.835	8.051					
44.0	23.260	36.081	24.680	7.995	94.0	19.730	36.346	25.862	8.020					
45.0	23.173	36.073	24.699	7.941	95.0	19.685	36.345	25.873	7.951					
46.0	23.057	36.081	24.739	7.910	96.0	19.598	36.346	25.896	7.809					
47.0	22.976	36.095	24.773	8.035	97.0	19.517	36.357	25.926	8.088					
48.0	22.944	36.112	24.795	8.034	98.0	19.477	36.362	25.941	8.340					
49.0	22.926	36.125	24.811	8.031	99.0	19.421	36.366	25.958	8.369					
50.0	22.915	36.134	24.820	7.966	100.0	19.367	36.372	25.977	8.381					
51.0	22.897	36.142	24.831	7.853	101.0	19.286	36.367	25.993	8.341					
52.0	22.869	36.152	24.847	7.758	102.0	19.091	36.362	26.041	8.116					
53.0	22.845	36.161	24.861	7.737	103.0	18.908	36.353	26.081	8.135					

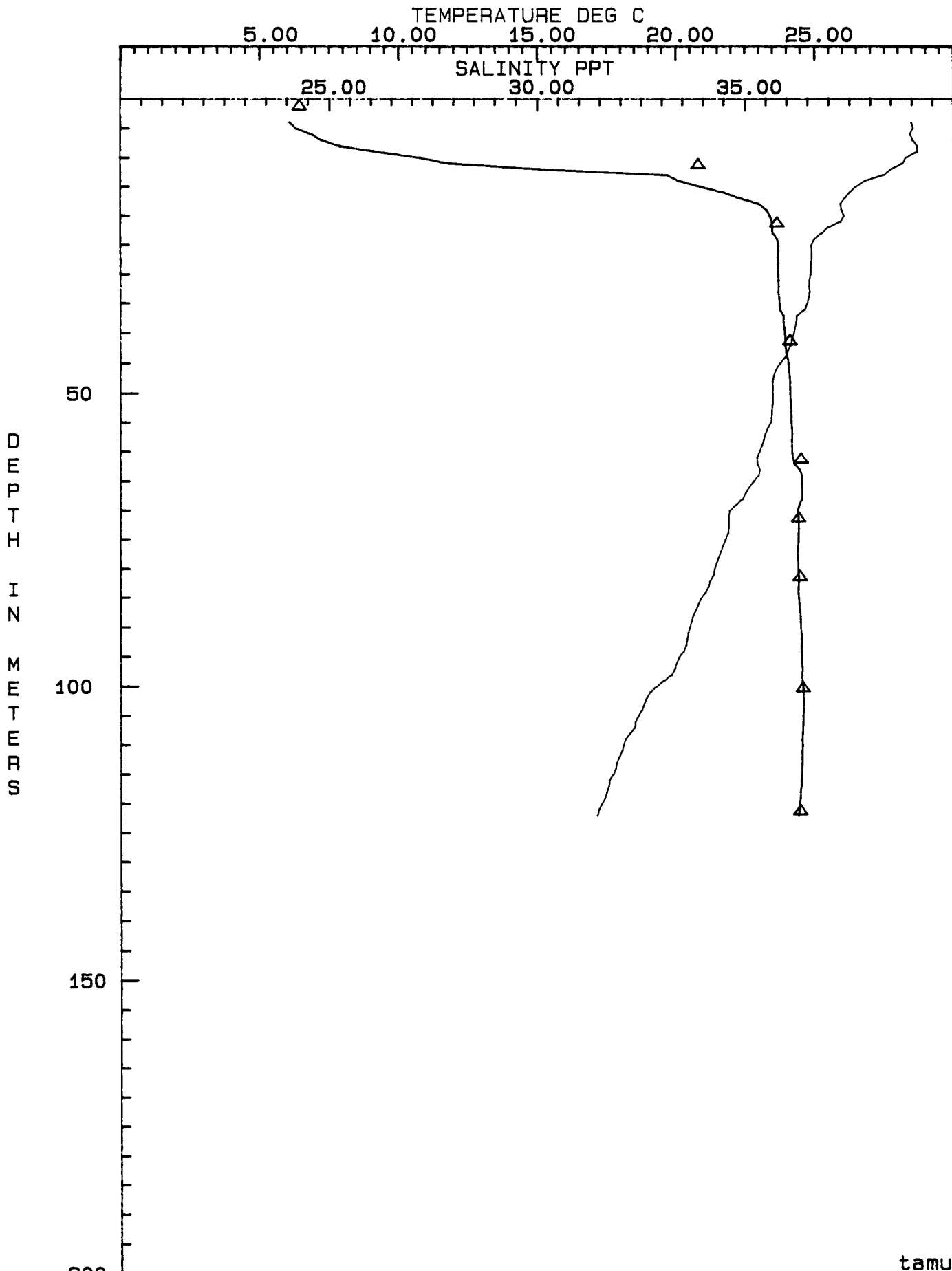


CRUISE: 90g10 STATION: SB098.PL DATE: Jul 21 17:09:24 1990
LATITUDE: 28 55.23 LONGITUDE: 89 00.93
TRIANGLES DENOTE DISCRETE SAMPLES

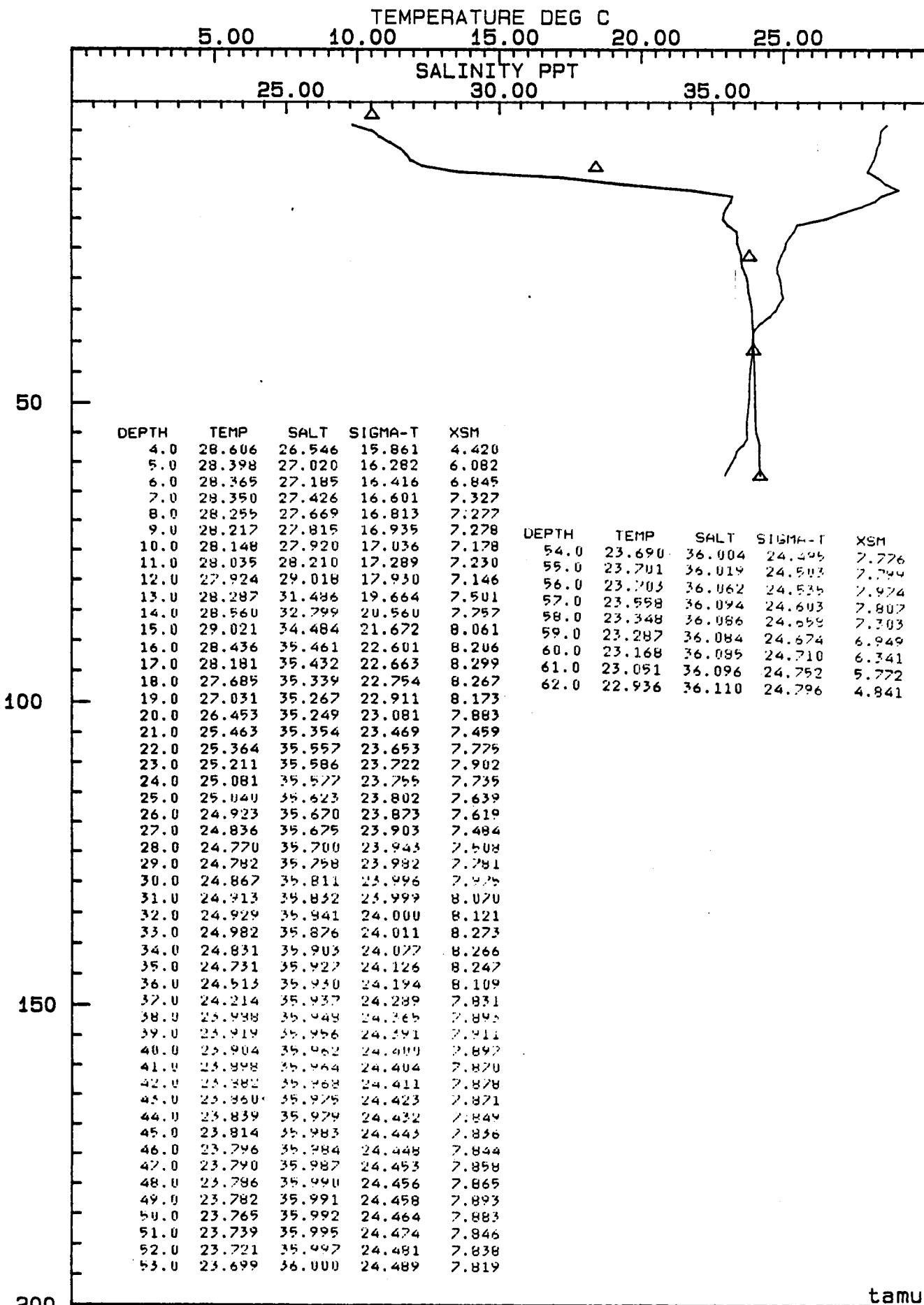
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STATION SB097.PL1:: CRUISE 90g10 DATE & TIME Sat Jul 21 14:27:23 1990, Julian day = 202
 LAT 28 51.34 LON 89 10.93 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.454	24.047	14.041	3.099	54.0	23.431	36.095	24.641	7.756	104.0	18.735	36.374	26.141	8.609
5.0	28.523	24.185	14.122	3.602	55.0	23.406	36.099	24.651	7.838	105.0	18.595	36.363	26.168	8.614
6.0	28.407	24.565	14.443	4.488	56.0	23.290	36.104	24.692	7.874	106.0	18.497	36.362	26.192	8.589
7.0	28.500	24.800	14.589	4.875	57.0	23.205	36.109	24.717	7.713	107.0	18.468	36.356	26.195	8.587
8.0	28.658	25.224	14.856	5.471	58.0	23.150	36.104	24.730	7.672	108.0	18.293	36.343	26.229	8.551
9.0	28.677	26.129	15.526	7.140	59.0	23.079	36.102	24.748	7.732	109.0	18.137	36.342	26.267	8.540
10.0	28.254	27.156	16.430	7.694	60.0	22.995	36.112	24.780	7.954	110.0	18.057	36.347	26.291	8.534
11.0	28.144	27.839	16.976	6.693	61.0	22.909	36.123	24.813	7.994	111.0	18.013	36.340	26.297	8.536
12.0	27.725	30.032	18.754	6.030	62.0	22.920	36.166	24.843	8.184	112.0	17.912	36.340	26.322	8.514
13.0	27.470	33.102	21.141	7.445	63.0	23.010	36.286	24.908	8.551	113.0	17.816	36.342	26.347	8.474
14.0	26.787	33.399	21.582	7.245	64.0	22.960	36.345	24.968	8.804	114.0	17.777	36.330	26.347	8.281
15.0	26.469	33.910	22.067	7.166	65.0	22.786	36.341	25.014	8.813	115.0	17.699	36.333	26.369	8.124
16.0	26.242	34.461	22.553	7.467	66.0	22.624	36.348	25.067	8.842	116.0	17.548	36.316	26.393	7.860
17.0	26.072	34.840	22.892	7.449	67.0	22.497	36.351	25.105	8.870	117.0	17.536	36.315	26.396	7.839
18.0	25.899	35.318	23.307	7.540	68.0	22.394	36.344	25.129	8.898	118.0	17.456	36.295	26.399	7.848
19.0	25.940	35.503	23.434	7.724	69.0	22.161	36.279	25.146	8.883	119.0	17.393	36.296	26.415	7.864
20.0	26.025	35.587	23.470	7.896	70.0	21.915	36.237	25.184	8.834	120.0	17.283	36.270	26.422	7.849
21.0	25.915	35.633	23.540	7.871	71.0	21.878	36.260	25.211	8.879	121.0	17.172	36.279	26.456	7.393
22.0	25.460	35.641	23.686	7.629	72.0	21.877	36.262	25.213	8.901	122.0	17.119	36.251	26.448	7.210
23.0	25.244	35.653	23.762	7.607	73.0	21.876	36.263	25.214	8.913					
24.0	24.971	35.764	23.930	7.669	74.0	21.855	36.261	25.219	8.913					
25.0	24.866	35.789	23.980	7.612	75.0	21.765	36.259	25.242	8.924					
26.0	24.870	35.784	23.975	7.622	76.0	21.681	36.251	25.260	8.896					
27.0	24.875	35.778	23.970	7.608	77.0	21.591	36.236	25.273	8.871					
28.0	24.851	35.787	23.984	7.609	78.0	21.515	36.233	25.292	8.844					
29.0	24.852	35.784	23.981	7.598	79.0	21.432	36.254	25.332	8.860					
30.0	24.836	35.786	23.988	7.571	80.0	21.366	36.260	25.354	8.912					
31.0	24.796	35.793	24.005	7.528	81.0	21.328	36.264	25.368	8.931					
32.0	24.791	35.799	24.011	7.526	82.0	21.199	36.268	25.407	8.927					
33.0	24.812	35.791	23.998	7.512	83.0	21.144	36.257	25.413	8.861					
34.0	24.772	35.811	24.026	7.518	84.0	21.032	36.257	25.443	8.654					
35.0	24.718	35.823	24.051	7.485	85.0	20.883	36.265	25.491	8.656					
36.0	24.639	35.824	24.075	7.455	86.0	20.785	36.275	25.525	8.654					
37.0	24.339	35.913	24.233	7.528	87.0	20.700	36.286	25.556	8.715					
38.0	24.330	35.912	24.235	7.433	88.0	20.579	36.302	25.601	8.736					
39.0	24.281	35.933	24.265	7.339	89.0	20.521	36.308	25.622	8.737					
40.0	24.242	35.948	24.289	7.198	90.0	20.466	36.315	25.642	8.676					
41.0	24.173	35.957	24.317	7.116	91.0	20.402	36.323	25.665	8.509					
42.0	24.122	35.958	24.333	7.088	92.0	20.370	36.328	25.677	8.468					
43.0	24.015	35.978	24.380	7.097	93.0	20.332	36.329	25.688	8.444					
44.0	23.916	36.010	24.433	7.132	94.0	20.247	36.324	25.707	8.454					
45.0	23.745	36.031	24.500	7.013	95.0	20.080	36.338	25.763	8.489					
46.0	23.596	36.040	24.550	6.969	96.0	19.995	36.335	25.783	8.500					
47.0	23.513	36.058	24.588	7.043	97.0	19.925	36.347	25.811	8.593					
48.0	23.476	36.066	24.605	7.196	98.0	19.811	36.336	25.833	8.643					
49.0	23.478	36.068	24.606	7.212	99.0	19.527	36.346	25.915	8.704					
50.0	23.482	36.070	24.606	7.292	100.0	19.264	36.363	25.996	8.736					
51.0	23.486	36.076	24.610	7.372	101.0	19.022	36.370	26.064	8.710					
52.0	23.469	36.085	24.622	7.555	102.0	18.895	36.376	26.101	8.663					
53.0	23.440	36.093	24.636	7.699	103.0	18.807	36.372	26.121	8.616					

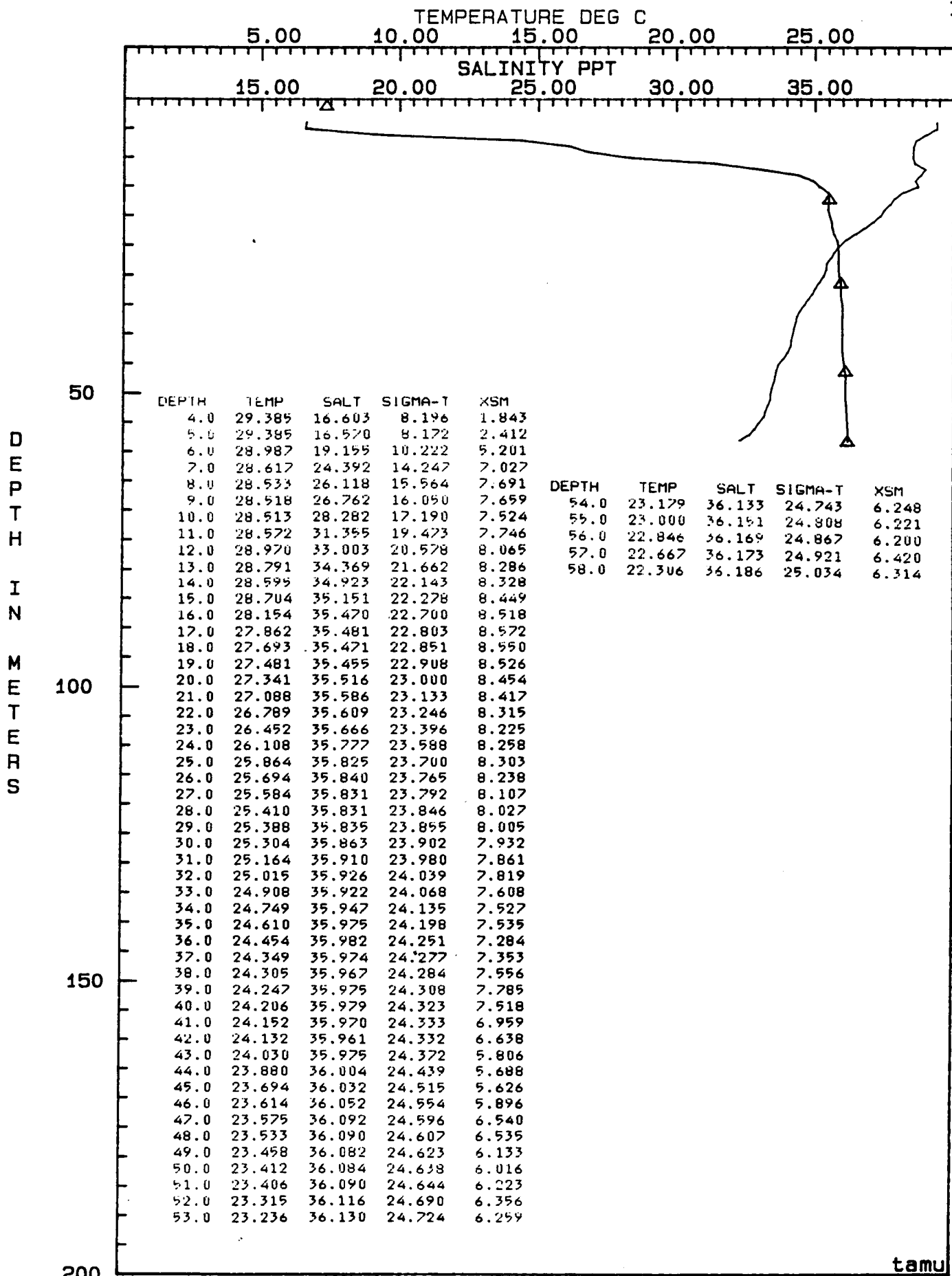


CRUISE: 90g10 STATION: SB097.PL DATE: Jul 21 18:27:23 1990
LATITUDE: 28 51.34 LONGITUDE: 89 10.93
TRIANGLES DENOTE DISCRETE SAMPLES



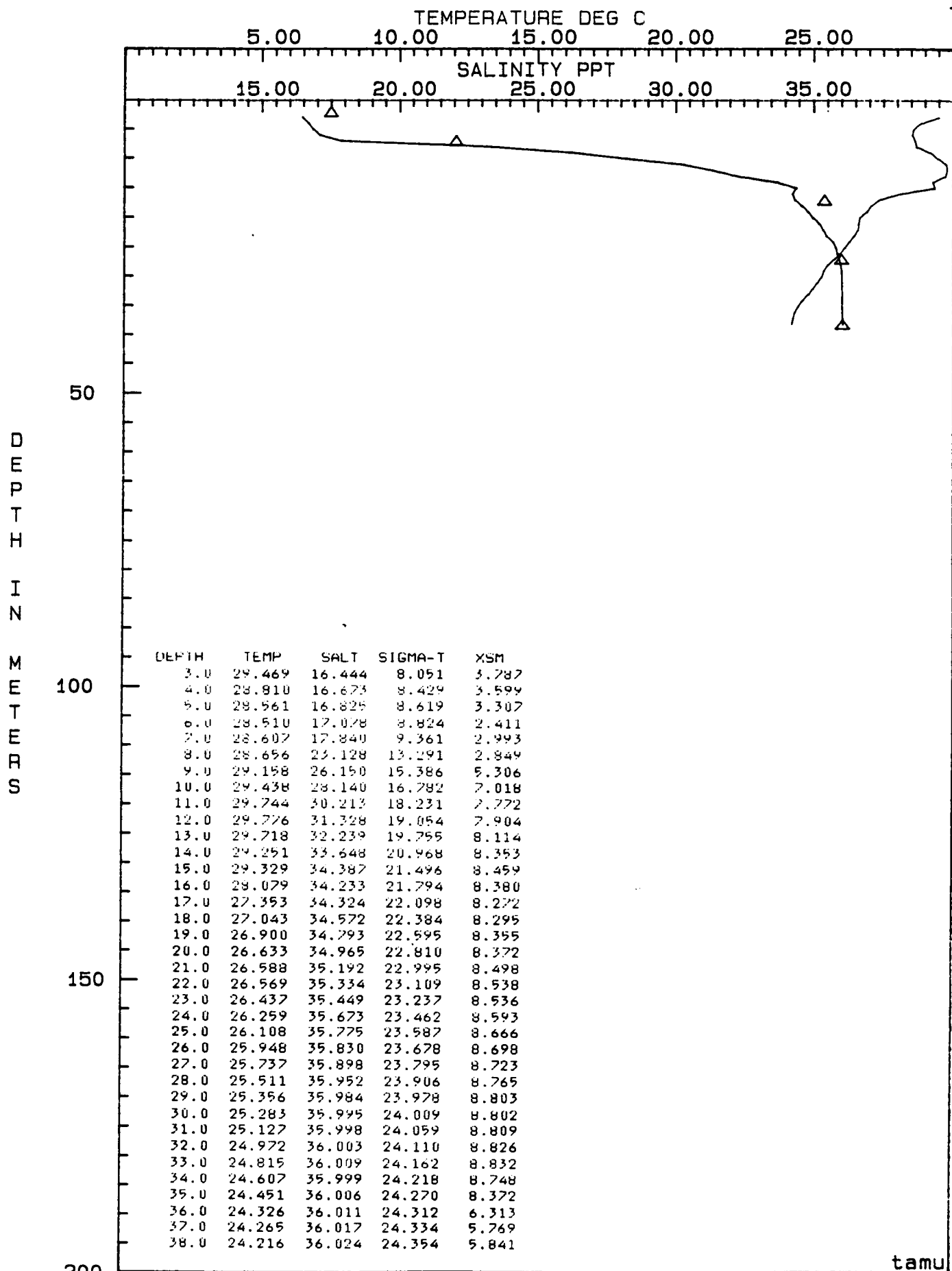
CRUISE: 90g10 STATION: SB098.PL DATE: Jul 21 19:47:05 1990
 LATITUDE: 28 50.79 LONGITUDE: 89 21.93
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu



CRUISE: 90G10 STATION: SB099.PL DATE: Jul 21 21:03:59 1990
 LATITUDE: 28 54.34 LONGITUDE: 89 33.15
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu



CRUISE: 90g10 STATION: SB100.PL DATE: Jul 21 22: 35: 37 1990
 LATITUDE: 29 01.28 LONGITUDE: 89 41.15
 TRIANGLES DENOTE DISCRETE SAMPLES

tamu

STATION SBI01.PLT:: CRUISE 90G10 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203
 LAT 29 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.990	33.935	21.270	8.839	54.0	22.493	36.254	25.032	8.958	104.0	18.815	36.407	26.146	9.013
5.0	28.986	34.031	21.344	8.835	55.0	22.327	36.245	25.073	8.959	105.0	18.784	36.412	26.158	9.014
6.0	28.988	34.037	21.348	8.835	56.0	22.133	36.262	25.141	8.954	106.0	18.750	36.412	26.167	9.017
7.0	28.995	34.038	21.346	8.836	57.0	22.067	36.267	25.164	8.950	107.0	18.700	36.413	26.179	9.017
8.0	28.994	34.044	21.351	8.837	58.0	22.064	36.288	25.180	8.941	108.0	18.654	36.414	26.192	9.016
9.0	28.990	34.055	21.360	8.833	59.0	22.160	36.387	25.229	8.918	109.0	18.616	36.414	26.202	9.017
10.0	29.000	34.050	21.354	8.837	60.0	22.116	36.386	25.240	8.929	110.0	18.567	36.413	26.214	9.013
11.0	28.997	34.055	21.358	8.837	61.0	22.018	36.397	25.276	8.936	111.0	18.521	36.413	26.226	9.018
12.0	29.003	34.053	21.355	8.838	62.0	21.967	36.408	25.299	8.935	112.0	18.483	36.411	26.234	9.017
13.0	29.011	34.053	21.352	8.838	63.0	21.932	36.413	25.313	8.939	113.0	18.465	36.413	26.240	9.017
14.0	29.024	34.056	21.350	8.845	64.0	21.875	36.420	25.334	8.940	114.0	18.408	36.410	26.252	9.020
15.0	29.112	34.009	21.286	8.882	65.0	21.788	36.425	25.362	8.945	115.0	18.363	36.409	26.262	9.020
16.0	29.299	33.877	21.124	8.913	66.0	21.694	36.424	25.387	8.952	116.0	18.333	36.408	26.269	9.023
17.0	29.132	34.020	21.287	8.936	67.0	21.471	36.398	25.430	8.964	117.0	18.306	36.400	26.270	9.025
18.0	28.958	34.549	21.742	8.940	68.0	21.359	36.400	25.462	8.971	118.0	18.240	36.397	26.284	9.025
19.0	28.844	35.633	22.594	8.939	69.0	21.278	36.392	25.479	8.978	119.0	18.192	36.391	26.291	9.027
20.0	28.794	35.680	22.646	8.940	70.0	21.192	36.390	25.501	8.980	120.0	18.115	36.385	26.306	9.028
21.0	28.740	35.689	22.670	8.936	71.0	21.066	36.395	25.540	8.980	121.0	18.042	36.384	26.323	9.028
22.0	28.708	35.696	22.687	8.937	72.0	20.979	36.395	25.563	8.983	122.0	17.993	36.380	26.332	9.030
23.0	28.587	35.704	22.733	8.930	73.0	20.866	36.401	25.599	8.984	123.0	17.947	36.378	26.342	9.031
24.0	28.210	35.757	22.898	8.923	74.0	20.813	36.401	25.614	8.984	124.0	17.908	36.377	26.351	9.031
25.0	27.793	35.847	23.101	8.925	75.0	20.701	36.393	25.638	8.977	125.0	17.878	36.382	26.362	9.029
26.0	27.326	35.910	23.301	8.921	76.0	20.591	36.398	25.672	8.971	126.0	17.834	36.374	26.367	9.033
27.0	27.189	35.913	23.347	8.925	77.0	20.538	36.400	25.687	8.972	127.0	17.724	36.372	26.393	9.034
28.0	26.807	35.922	23.476	8.915	78.0	20.451	36.404	25.714	8.977	128.0	17.624	36.360	26.408	9.032
29.0	26.385	35.931	23.617	8.910	79.0	20.324	36.416	25.757	8.978	129.0	17.574	36.362	26.422	9.039
30.0	26.217	35.949	23.683	8.915	80.0	20.263	36.409	25.768	8.977	130.0	17.518	36.341	26.420	9.038
31.0	26.077	36.001	23.766	8.922	81.0	20.180	36.415	25.795	8.982	131.0	17.426	36.332	26.436	9.037
32.0	25.974	36.022	23.815	8.932	82.0	20.123	36.411	25.807	8.980	132.0	17.398	36.330	26.441	9.039
33.0	25.834	36.043	23.874	8.935	83.0	20.017	36.418	25.841	8.984	133.0	17.352	36.322	26.445	9.039
34.0	25.708	36.065	23.931	8.941	84.0	19.988	36.416	25.847	8.984	134.0	17.252	36.308	26.459	9.039
35.0	25.581	36.071	23.974	8.941	85.0	19.960	36.419	25.856	8.987	135.0	17.201	36.312	26.474	9.040
36.0	25.377	36.121	24.075	8.947	86.0	19.874	36.418	25.879	8.988	136.0	17.166	36.300	26.474	9.042
37.0	25.126	36.172	24.191	8.945	87.0	19.813	36.417	25.894	8.995	137.0	17.098	36.291	26.483	9.042
38.0	24.974	36.188	24.249	8.950	88.0	19.787	36.419	25.902	8.994	138.0	16.991	36.270	26.492	9.042
39.0	24.838	36.207	24.305	8.949	89.0	19.753	36.415	25.908	8.994	139.0	16.927	36.268	26.506	9.044
40.0	24.715	36.237	24.365	8.951	90.0	19.683	36.436	25.943	9.000	140.0	16.853	36.249	26.509	9.044
41.0	24.609	36.244	24.403	8.951	91.0	19.620	36.427	25.952	9.002	141.0	16.763	36.244	26.528	9.044
42.0	24.412	36.244	24.462	8.952	92.0	19.572	36.427	25.965	9.001	142.0	16.737	36.240	26.530	9.045
43.0	24.263	36.264	24.522	8.954	93.0	19.564	36.429	25.969	9.000	143.0	16.679	36.225	26.533	9.043
44.0	24.168	36.271	24.555	8.958	94.0	19.513	36.414	25.971	9.000	144.0	16.603	36.217	26.545	9.045
45.0	23.969	36.294	24.632	8.959	95.0	19.418	36.410	25.992	9.002	145.0	16.563	36.214	26.552	9.045
46.0	23.851	36.302	24.674	8.958	96.0	19.357	36.418	26.014	9.004	146.0	16.528	36.207	26.554	9.047
47.0	23.673	36.273	24.704	8.958	97.0	19.330	36.420	26.022	9.003	147.0	16.466	36.199	26.562	9.044
48.0	23.419	36.237	24.752	8.957	98.0	19.315	36.423	26.029	9.006	148.0	16.391	36.188	26.571	9.047
49.0	23.134	36.247	24.843	8.958	99.0	19.309	36.438	26.042	9.005	149.0	16.328	36.186	26.585	9.047
50.0	22.999	36.251	24.885	8.963	100.0	19.281	36.439	26.050	9.010	150.0	16.293	36.182	26.590	9.049
51.0	22.780	36.250	24.947	8.961	101.0	19.208	36.427	26.060	9.010	151.0	16.253	36.173	26.593	9.048
52.0	22.673	36.255	24.982	8.961	102.0	19.058	36.421	26.094	9.013	152.0	16.209	36.163	26.595	9.048
53.0	22.571	36.257	25.012	8.960	103.0	18.947	36.402	26.108	9.012	153.0	16.124	36.153	26.608	9.049

STATION SB101.PLT::: CRUISE 90610 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203
 LAT 28 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	16.084	36.151	26.615	9.048	204.0	14.670	35.927	26.761	8.889	254.0	13.217	35.686	26.981	8.032
155.0	16.056	36.145	26.617	9.050	205.0	14.654	35.925	26.763	8.867	255.0	13.166	35.672	26.981	8.023
156.0	16.026	36.141	26.621	9.048	206.0	14.646	35.924	26.763	8.849	256.0	13.120	35.667	26.986	8.014
157.0	16.000	36.138	26.624	9.049	207.0	14.641	35.923	26.764	8.835	257.0	13.103	35.666	26.989	8.002
158.0	15.996	36.138	26.625	9.049	208.0	14.632	35.920	26.763	8.816	258.0	13.067	35.649	26.983	7.988
159.0	15.965	36.130	26.626	9.049	209.0	14.613	35.916	26.765	8.800	259.0	12.980	35.646	26.989	7.979
160.0	15.892	36.123	26.638	9.051	210.0	14.601	35.915	26.766	8.781	260.0	12.959	35.641	26.989	7.970
161.0	15.876	36.125	26.643	9.051	211.0	14.585	35.912	26.767	8.763	261.0	12.933	35.637	26.901	7.961
162.0	15.854	36.119	26.644	9.052	212.0	14.567	35.911	26.770	8.745	262.0	12.919	35.635	26.902	7.951
163.0	15.829	36.117	26.647	9.051	213.0	14.558	35.909	26.771	8.724	263.0	12.905	35.633	26.904	7.938
164.0	15.805	36.112	26.649	9.051	214.0	14.539	35.903	26.770	8.703	264.0	12.900	35.632	26.904	7.928
165.0	15.800	36.112	26.651	9.053	215.0	14.497	35.896	26.774	8.685	265.0	12.895	35.632	26.905	7.922
166.0	15.801	36.113	26.651	9.051	216.0	14.481	35.895	26.777	8.665	266.0	12.893	35.632	26.905	7.915
167.0	15.794	36.108	26.648	9.050	217.0	14.469	35.893	26.778	8.644	267.0	12.888	35.630	26.905	7.906
168.0	15.774	36.107	26.653	9.049	218.0	14.450	35.889	26.779	8.627	268.0	12.882	35.629	26.905	7.894
169.0	15.768	36.105	26.653	9.047	219.0	14.436	35.885	26.779	8.606	269.0	12.877	35.630	26.906	7.884
170.0	15.744	36.104	26.657	9.049	220.0	14.363	35.868	26.781	8.585	270.0	12.860	35.626	26.907	7.877
171.0	15.720	36.097	26.657	9.048	221.0	14.311	35.866	26.791	8.564	271.0	12.850	35.622	26.905	7.874
172.0	15.669	36.092	26.665	9.049	222.0	14.262	35.853	26.792	8.544	272.0	12.824	35.617	26.907	7.864
173.0	15.634	36.086	26.668	9.049	223.0	14.204	35.846	26.799	8.524	273.0	12.786	35.611	26.910	7.854
174.0	15.612	36.084	26.672	9.046	224.0	14.172	35.842	26.802	8.502	274.0	12.761	35.606	26.911	7.847
175.0	15.601	36.081	26.672	9.048	225.0	14.148	35.838	26.804	8.485	275.0	12.717	35.600	26.915	7.842
176.0	15.588	36.076	26.671	9.046	226.0	14.126	35.835	26.806	8.466	276.0	12.689	35.595	26.917	7.834
177.0	15.525	36.062	26.674	9.044	227.0	14.113	35.833	26.808	8.448	277.0	12.614	35.584	26.923	7.824
178.0	15.413	36.042	26.685	9.045	228.0	14.098	35.830	26.809	8.428	278.0	12.590	35.585	26.929	7.814
179.0	15.358	36.042	26.697	9.038	229.0	14.088	35.829	26.810	8.409	279.0	12.585	35.583	26.929	7.808
180.0	15.337	36.039	26.699	9.044	230.0	14.078	35.826	26.810	8.390	280.0	12.580	35.581	26.928	7.804
181.0	15.326	36.039	26.701	9.043	231.0	14.043	35.818	26.812	8.373	281.0	12.565	35.575	26.926	7.792
182.0	15.311	36.036	26.703	9.043	232.0	13.997	35.812	26.817	8.358	282.0	12.472	35.559	26.932	7.788
183.0	15.301	36.035	26.704	9.041	233.0	13.913	35.798	26.823	8.336	283.0	12.407	35.553	26.940	7.782
184.0	15.282	36.031	26.705	9.038	234.0	13.834	35.786	26.831	8.316	284.0	12.372	35.549	26.944	7.775
185.0	15.263	36.028	26.707	9.038	235.0	13.812	35.788	26.837	8.303	285.0	12.330	35.540	26.945	7.769
186.0	15.246	36.023	26.707	9.032	236.0	13.801	35.785	26.837	8.291	286.0	12.285	35.531	26.947	7.766
187.0	15.212	36.019	26.711	9.032	237.0	13.788	35.783	26.838	8.269	287.0	12.232	35.527	26.954	7.759
188.0	15.188	36.015	26.714	9.029	238.0	13.780	35.781	26.838	8.251	288.0	12.217	35.525	26.956	7.753
189.0	15.160	36.011	26.717	9.017	239.0	13.763	35.777	26.838	8.236	289.0	12.199	35.522	26.957	7.747
190.0	15.131	36.004	26.718	9.016	240.0	13.742	35.772	26.839	8.223	290.0	12.184	35.519	26.957	7.742
191.0	15.102	36.002	26.723	9.017	241.0	13.688	35.761	26.842	8.204	291.0	12.161	35.515	26.958	7.736
192.0	15.084	35.998	26.724	9.008	242.0	13.644	35.757	26.848	8.189	292.0	12.142	35.512	26.960	7.730
193.0	15.060	35.994	26.726	9.006	243.0	13.618	35.752	26.849	8.173	293.0	12.127	35.511	26.963	7.725
194.0	15.041	35.989	26.727	8.998	244.0	13.584	35.744	26.850	8.152	294.0	12.123	35.511	26.963	7.719
195.0	14.991	35.975	26.727	8.994	245.0	13.542	35.737	26.853	8.143	295.0	12.115	35.508	26.963	7.715
196.0	14.913	35.966	26.738	8.980	246.0	13.495	35.733	26.860	8.131	296.0	12.099	35.510	26.967	7.710
197.0	14.887	35.964	26.741	8.970	247.0	13.484	35.730	26.861	8.118	297.0	12.080	35.505	26.967	7.703
198.0	14.867	35.960	26.743	8.964	248.0	13.457	35.725	26.862	8.106	298.0	12.057	35.501	26.968	7.698
199.0	14.842	35.954	26.743	8.956	249.0	13.430	35.723	26.866	8.091	299.0	12.002	35.489	26.969	7.694
200.0	14.781	35.943	26.749	8.941	250.0	13.400	35.707	26.860	8.081	300.0	11.925	35.481	26.978	7.690
201.0	14.727	35.937	26.756	8.929	251.0	13.276	35.697	26.877	8.070	301.0	11.888	35.477	26.982	7.684
202.0	14.702	35.934	26.758	8.913	252.0	13.256	35.696	26.881	8.057	302.0	11.876	35.476	26.983	7.681
203.0	14.685	35.930	26.759	8.904	253.0	13.230	35.688	26.880	8.043	303.0	11.857	35.471	26.983	7.675

STATION SB101.PL1::: CRUISE 90G10 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203
 LAT 28 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
304.0	11.817	35.465	26.986	7.671	354.0	10.603	35.281	27.066	7.588	404.0	9.672	35.155	27.129	7.599
305.0	11.780	35.461	26.990	7.668	355.0	10.570	35.278	27.070	7.588	405.0	9.651	35.152	27.131	7.599
306.0	11.754	35.457	26.992	7.666	356.0	10.560	35.278	27.072	7.589	406.0	9.632	35.147	27.130	7.602
307.0	11.734	35.453	26.992	7.660	357.0	10.550	35.276	27.072	7.588	407.0	9.597	35.143	27.133	7.602
308.0	11.702	35.448	26.995	7.655	358.0	10.540	35.274	27.072	7.587	408.0	9.574	35.143	27.136	7.602
309.0	11.665	35.439	26.995	7.655	359.0	10.522	35.271	27.073	7.588	409.0	9.567	35.141	27.136	7.604
310.0	11.645	35.438	26.998	7.650	360.0	10.498	35.267	27.074	7.589	410.0	9.545	35.138	27.137	7.606
311.0	11.614	35.432	26.999	7.646	361.0	10.486	35.265	27.075	7.588	411.0	9.532	35.137	27.138	7.602
312.0	11.594	35.430	27.001	7.641	362.0	10.468	35.263	27.077	7.588	412.0	9.505	35.132	27.140	7.606
313.0	11.578	35.428	27.002	7.638	363.0	10.445	35.260	27.078	7.587	413.0	9.479	35.130	27.142	7.607
314.0	11.560	35.426	27.004	7.633	364.0	10.428	35.257	27.079	7.587	414.0	9.463	35.128	27.143	7.606
315.0	11.555	35.425	27.004	7.632	365.0	10.414	35.254	27.079	7.588	415.0	9.449	35.125	27.144	7.608
316.0	11.542	35.421	27.004	7.631	366.0	10.388	35.251	27.081	7.588	416.0	9.437	35.125	27.145	7.606
317.0	11.505	35.414	27.006	7.627	367.0	10.366	35.251	27.085	7.586	417.0	9.434	35.124	27.145	7.608
318.0	11.473	35.413	27.010	7.627	368.0	10.344	35.246	27.085	7.586	418.0	9.427	35.122	27.144	7.608
319.0	11.458	35.409	27.010	7.624	369.0	10.319	35.243	27.087	7.586	419.0	9.416	35.121	27.146	7.609
320.0	11.433	35.406	27.012	7.622	370.0	10.307	35.242	27.088	7.588	420.0	9.403	35.118	27.145	7.610
321.0	11.421	35.404	27.013	7.621	371.0	10.291	35.239	27.089	7.581	421.0	9.374	35.115	27.147	7.611
322.0	11.397	35.399	27.014	7.617	372.0	10.268	35.236	27.091	7.586	422.0	9.356	35.114	27.150	7.612
323.0	11.367	35.394	27.015	7.615	373.0	10.253	35.233	27.091	7.589	423.0	9.351	35.113	27.150	7.612
324.0	11.338	35.393	27.020	7.614	374.0	10.221	35.230	27.094	7.587	424.0	9.351	35.114	27.151	7.612
325.0	11.331	35.391	27.020	7.613	375.0	10.197	35.226	27.095	7.589	425.0	9.347	35.112	27.150	7.612
326.0	11.319	35.386	27.018	7.610	376.0	10.171	35.221	27.096	7.588	426.0	9.335	35.111	27.151	7.615
327.0	11.295	35.384	27.021	7.608	377.0	10.147	35.218	27.098	7.589	427.0	9.324	35.109	27.151	7.615
328.0	11.280	35.382	27.022	7.608	378.0	10.115	35.215	27.101	7.589	428.0	9.318	35.109	27.152	7.614
329.0	11.260	35.377	27.022	7.608	379.0	10.103	35.214	27.102	7.590	429.0	9.311	35.109	27.153	7.615
330.0	11.211	35.370	27.026	7.605	380.0	10.091	35.212	27.102	7.590	430.0	9.291	35.102	27.151	7.617
331.0	11.181	35.367	27.029	7.604	381.0	10.083	35.211	27.104	7.589	431.0	9.259	35.100	27.155	7.617
332.0	11.163	35.365	27.030	7.602	382.0	10.075	35.210	27.104	7.589	432.0	9.236	35.099	27.158	7.616
333.0	11.150	35.364	27.032	7.600	383.0	10.069	35.209	27.104	7.591	433.0	9.226	35.099	27.159	7.618
334.0	11.128	35.359	27.032	7.596	384.0	10.064	35.210	27.105	7.592	434.0	9.220	35.097	27.159	7.618
335.0	11.086	35.349	27.033	7.595	385.0	10.056	35.207	27.104	7.590	435.0	9.212	35.096	27.160	7.620
336.0	11.032	35.345	27.039	7.593	386.0	10.038	35.204	27.105	7.590	436.0	9.197	35.093	27.160	7.619
337.0	11.006	35.341	27.041	7.596	387.0	10.021	35.201	27.106	7.591	437.0	9.170	35.090	27.161	7.618
338.0	10.984	35.338	27.042	7.598	388.0	9.999	35.197	27.107	7.591	438.0	9.144	35.087	27.163	7.622
339.0	10.948	35.329	27.042	7.596	389.0	9.965	35.190	27.107	7.591	439.0	9.130	35.084	27.164	7.622
340.0	10.920	35.330	27.048	7.597	390.0	9.925	35.188	27.112	7.590	440.0	9.106	35.082	27.166	7.621
341.0	10.910	35.326	27.047	7.595	391.0	9.913	35.188	27.114	7.595	441.0	9.094	35.082	27.167	7.623
342.0	10.886	35.322	27.048	7.594	392.0	9.902	35.185	27.114	7.595	442.0	9.080	35.079	27.167	7.625
343.0	10.853	35.318	27.050	7.596	393.0	9.889	35.183	27.115	7.597	443.0	9.054	35.075	27.169	7.629
344.0	10.826	35.316	27.053	7.594	394.0	9.880	35.182	27.115	7.593	444.0	9.030	35.073	27.171	7.629
345.0	10.818	35.315	27.055	7.594	395.0	9.877	35.181	27.115	7.594	445.0	9.008	35.072	27.173	7.630
346.0	10.811	35.313	27.054	7.594	396.0	9.836	35.172	27.115	7.593	446.0	8.984	35.067	27.174	7.627
347.0	10.801	35.311	27.055	7.589	397.0	9.802	35.172	27.121	7.594	447.0	8.955	35.066	27.177	7.629
348.0	10.780	35.307	27.055	7.591	398.0	9.794	35.171	27.121	7.596	448.0	8.937	35.063	27.178	7.630
349.0	10.764	35.307	27.058	7.591	399.0	9.766	35.163	27.120	7.594	449.0	8.914	35.062	27.181	7.629
350.0	10.726	35.296	27.056	7.591	400.0	9.732	35.162	27.124	7.598	450.0	8.908	35.061	27.181	7.630
351.0	10.696	35.296	27.062	7.588	401.0	9.708	35.159	27.126	7.597	451.0	8.902	35.060	27.182	7.632
352.0	10.671	35.293	27.064	7.589	402.0	9.696	35.159	27.128	7.597	452.0	8.895	35.059	27.182	7.632
353.0	10.640	35.287	27.064	7.587	403.0	9.688	35.156	27.127	7.598	453.0	8.886	35.057	27.181	7.632

STATION SB101.PLT::: CRUISE 90G10 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203
 LAT 28 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
454.0	8.865	35.054	27.183	7.633	504.0	8.076	34.971	27.240	7.697	554.0	7.372	34.919	27.302	7.756
455.0	8.840	35.050	27.184	7.634	505.0	8.063	34.972	27.243	7.700	555.0	7.370	34.918	27.302	7.757
456.0	8.818	35.051	27.188	7.636	506.0	8.061	34.971	27.242	7.700	556.0	7.365	34.916	27.302	7.760
457.0	8.813	35.049	27.187	7.636	507.0	8.052	34.969	27.242	7.701	557.0	7.358	34.916	27.303	7.760
458.0	8.791	35.043	27.186	7.634	508.0	8.032	34.967	27.243	7.704	558.0	7.343	34.915	27.304	7.764
459.0	8.738	35.039	27.191	7.640	509.0	8.011	34.967	27.247	7.705	559.0	7.331	34.913	27.304	7.763
460.0	8.704	35.038	27.196	7.638	510.0	8.000	34.966	27.248	7.707	560.0	7.316	34.914	27.307	7.768
461.0	8.696	35.039	27.198	7.642	511.0	7.991	34.965	27.248	7.708	561.0	7.304	34.912	27.307	7.768
462.0	8.692	35.036	27.196	7.642	512.0	7.979	34.963	27.249	7.710	562.0	7.290	34.912	27.309	7.769
463.0	8.683	35.035	27.196	7.640	513.0	7.965	34.963	27.250	7.710	563.0	7.274	34.910	27.310	7.768
464.0	8.668	35.034	27.198	7.644	514.0	7.959	34.961	27.250	7.711	564.0	7.256	34.909	27.311	7.767
465.0	8.656	35.031	27.198	7.646	515.0	7.955	34.961	27.250	7.711	565.0	7.246	34.910	27.314	7.772
466.0	8.642	35.030	27.199	7.648	516.0	7.943	34.959	27.251	7.712	566.0	7.238	34.908	27.313	7.774
467.0	8.636	35.030	27.200	7.648	517.0	7.913	34.956	27.253	7.715	567.0	7.224	34.909	27.316	7.772
468.0	8.623	35.027	27.200	7.649	518.0	7.895	34.957	27.256	7.714	568.0	7.217	34.908	27.316	7.776
469.0	8.608	35.027	27.202	7.647	519.0	7.881	34.955	27.257	7.716	569.0	7.207	34.906	27.316	7.775
470.0	8.597	35.024	27.201	7.649	520.0	7.863	34.953	27.258	7.718	570.0	7.182	34.906	27.319	7.778
471.0	8.572	35.022	27.204	7.654	521.0	7.845	34.951	27.259	7.722	571.0	7.173	34.905	27.320	7.780
472.0	8.552	35.018	27.204	7.655	522.0	7.823	34.949	27.260	7.721	572.0	7.161	34.903	27.320	7.780
473.0	8.507	35.014	27.208	7.655	523.0	7.813	34.950	27.263	7.724	573.0	7.145	34.903	27.322	7.784
474.0	8.486	35.014	27.211	7.657	524.0	7.808	34.949	27.262	7.725	574.0	7.129	34.904	27.325	7.783
475.0	8.467	35.011	27.211	7.655	525.0	7.779	34.944	27.263	7.725	575.0	7.124	34.903	27.325	7.780
476.0	8.457	35.010	27.213	7.660	526.0	7.762	34.945	27.267	7.726	576.0	7.116	34.902	27.326	7.783
477.0	8.439	35.007	27.213	7.662	527.0	7.757	34.945	27.267	7.726	577.0	7.104	34.901	27.327	7.779
478.0	8.425	35.007	27.215	7.663	528.0	7.752	34.943	27.266	7.729	578.0	7.096	34.901	27.328	7.784
479.0	8.409	35.003	27.214	7.668	529.0	7.746	34.943	27.268	7.730	579.0	7.092	34.902	27.329	7.792
480.0	8.392	35.004	27.218	7.665	530.0	7.738	34.942	27.268	7.729	580.0	7.080	34.900	27.329	7.792
481.0	8.378	35.001	27.218	7.669	531.0	7.730	34.941	27.268	7.730	581.0	7.065	34.900	27.331	7.792
482.0	8.354	34.998	27.219	7.672	532.0	7.720	34.940	27.269	7.727	582.0	7.055	34.898	27.331	7.796
483.0	8.343	34.999	27.221	7.672	533.0	7.715	34.940	27.269	7.730	583.0	7.037	34.898	27.334	7.800
484.0	8.330	34.997	27.221	7.672	534.0	7.699	34.938	27.271	7.736	584.0	7.027	34.897	27.334	7.798
485.0	8.308	34.993	27.222	7.673	535.0	7.683	34.938	27.272	7.735	585.0	7.017	34.897	27.336	7.800
486.0	8.281	34.993	27.226	7.674	536.0	7.670	34.937	27.274	7.736	586.0	7.004	34.898	27.338	7.801
487.0	8.273	34.991	27.226	7.675	537.0	7.654	34.936	27.275	7.737	587.0	7.000	34.897	27.338	7.804
488.0	8.258	34.990	27.228	7.678	538.0	7.639	34.935	27.277	7.740	588.0	6.995	34.897	27.339	7.806
489.0	8.242	34.987	27.228	7.682	539.0	7.633	34.935	27.277	7.739	589.0	6.992	34.897	27.339	7.808
490.0	8.220	34.987	27.230	7.681	540.0	7.625	34.934	27.278	7.741	590.0	6.991	34.896	27.339	7.808
491.0	8.212	34.987	27.231	7.683	541.0	7.614	34.933	27.279	7.742	591.0	6.987	34.897	27.339	7.808
492.0	8.205	34.985	27.232	7.686	542.0	7.601	34.933	27.281	7.739	592.0	6.975	34.895	27.340	7.809
493.0	8.193	34.981	27.230	7.688	543.0	7.589	34.931	27.281	7.744	593.0	6.963	34.895	27.342	7.812
494.0	8.161	34.979	27.233	7.687	544.0	7.571	34.929	27.282	7.747	594.0	6.960	34.895	27.342	7.813
495.0	8.147	34.980	27.236	7.689	545.0	7.557	34.928	27.283	7.747	595.0	6.957	34.895	27.342	7.810
496.0	8.141	34.980	27.237	7.690	546.0	7.537	34.926	27.285	7.748	596.0	6.950	34.894	27.342	7.812
497.0	8.140	34.979	27.236	7.692	547.0	7.506	34.924	27.287	7.749	597.0	6.936	34.893	27.344	7.818
498.0	8.139	34.980	27.237	7.692	548.0	7.477	34.924	27.292	7.749	598.0	6.922	34.894	27.346	7.821
499.0	8.140	34.979	27.236	7.693	549.0	7.454	34.921	27.292	7.751	599.0	6.918	34.894	27.346	7.823
500.0	8.136	34.978	27.237	7.693	550.0	7.430	34.920	27.295	7.754	600.0	6.915	34.893	27.347	7.822
501.0	8.126	34.978	27.238	7.695	551.0	7.413	34.919	27.297	7.750	601.0	6.905	34.893	27.348	7.823
502.0	8.117	34.977	27.238	7.697	552.0	7.388	34.918	27.299	7.755	602.0	6.891	34.893	27.350	7.828
503.0	8.099	34.974	27.239	7.697	553.0	7.374	34.918	27.302	7.757	603.0	6.877	34.893	27.352	7.829

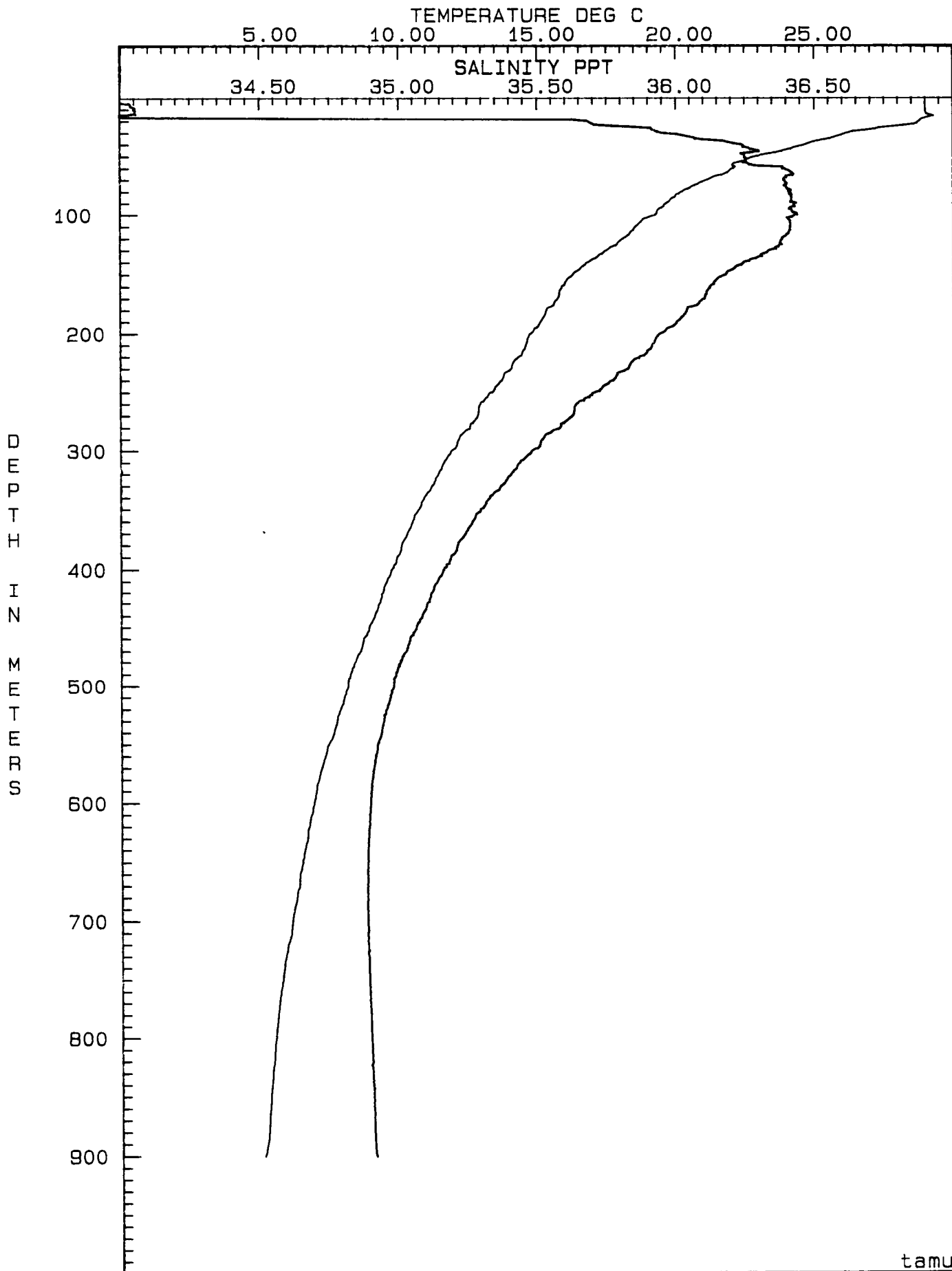
STATION SB101.PLT:: CRUISE 90G10 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203
 LAT 28 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
604.0	6.866	34.892	27.353	7.831	654.0	6.451	34.882	27.401	7.922	704.0	6.100	34.882	27.448	8.018
605.0	6.861	34.892	27.354	7.831	655.0	6.447	34.882	27.402	7.924	705.0	6.095	34.883	27.448	8.022
606.0	6.859	34.892	27.354	7.834	656.0	6.444	34.881	27.401	7.926	706.0	6.092	34.884	27.449	8.020
607.0	6.852	34.892	27.354	7.831	657.0	6.436	34.881	27.402	7.927	707.0	6.091	34.883	27.449	8.024
608.0	6.849	34.892	27.354	7.838	658.0	6.414	34.882	27.406	7.928	708.0	6.089	34.884	27.450	8.023
609.0	6.838	34.891	27.355	7.839	659.0	6.397	34.880	27.407	7.930	709.0	6.088	34.884	27.450	8.027
610.0	6.818	34.890	27.357	7.841	660.0	6.390	34.881	27.408	7.933	710.0	6.086	34.881	27.448	8.027
611.0	6.803	34.891	27.360	7.838	661.0	6.387	34.882	27.409	7.935	711.0	6.078	34.882	27.450	8.028
612.0	6.788	34.890	27.362	7.843	662.0	6.384	34.882	27.410	7.933	712.0	6.070	34.881	27.450	8.028
613.0	6.777	34.890	27.363	7.834	663.0	6.382	34.882	27.410	7.934	713.0	6.047	34.882	27.454	8.033
614.0	6.770	34.890	27.364	7.847	664.0	6.380	34.882	27.410	7.940	714.0	6.038	34.884	27.457	8.032
615.0	6.760	34.890	27.365	7.849	665.0	6.378	34.882	27.411	7.941	715.0	6.033	34.883	27.456	8.034
616.0	6.755	34.889	27.365	7.846	666.0	6.378	34.882	27.410	7.940	716.0	6.020	34.882	27.458	8.037
617.0	6.749	34.890	27.367	7.851	667.0	6.377	34.882	27.411	7.946	717.0	6.010	34.882	27.458	8.041
618.0	6.743	34.890	27.368	7.851	668.0	6.377	34.882	27.411	7.947	718.0	5.990	34.882	27.461	8.040
619.0	6.739	34.890	27.368	7.855	669.0	6.377	34.881	27.410	7.946	719.0	5.978	34.882	27.463	8.045
620.0	6.733	34.888	27.368	7.858	670.0	6.374	34.882	27.411	7.951	720.0	5.964	34.884	27.466	8.046
621.0	6.719	34.888	27.370	7.857	671.0	6.368	34.882	27.411	7.952	721.0	5.953	34.884	27.467	8.048
622.0	6.697	34.886	27.372	7.860	672.0	6.355	34.880	27.412	7.955	722.0	5.944	34.884	27.469	8.047
623.0	6.691	34.886	27.372	7.864	673.0	6.328	34.881	27.417	7.957	723.0	5.943	34.884	27.469	8.052
624.0	6.685	34.887	27.374	7.864	674.0	6.318	34.881	27.418	7.960	724.0	5.935	34.884	27.470	8.056
625.0	6.681	34.886	27.373	7.865	675.0	6.308	34.881	27.419	7.959	725.0	5.930	34.887	27.473	8.055
626.0	6.677	34.886	27.373	7.867	676.0	6.301	34.881	27.420	7.962	726.0	5.928	34.883	27.470	8.056
627.0	6.675	34.886	27.374	7.867	677.0	6.293	34.881	27.421	7.966	727.0	5.917	34.885	27.472	8.058
628.0	6.673	34.885	27.374	7.871	678.0	6.287	34.881	27.422	7.964	728.0	5.906	34.883	27.473	8.062
629.0	6.670	34.886	27.375	7.873	679.0	6.282	34.881	27.422	7.967	729.0	5.894	34.885	27.475	8.060
630.0	6.668	34.885	27.374	7.867	680.0	6.275	34.881	27.424	7.971	730.0	5.884	34.886	27.477	8.062
631.0	6.665	34.885	27.375	7.875	681.0	6.271	34.882	27.425	7.970	731.0	5.874	34.887	27.479	8.066
632.0	6.657	34.884	27.375	7.878	682.0	6.269	34.882	27.425	7.975	732.0	5.870	34.885	27.479	8.061
633.0	6.644	34.884	27.377	7.880	683.0	6.267	34.881	27.424	7.978	733.0	5.857	34.885	27.480	8.067
634.0	6.626	34.883	27.378	7.885	684.0	6.259	34.880	27.425	7.978	734.0	5.850	34.886	27.482	8.071
635.0	6.617	34.885	27.381	7.886	685.0	6.243	34.880	27.427	7.979	735.0	5.844	34.886	27.483	8.069
636.0	6.605	34.884	27.382	7.885	686.0	6.227	34.880	27.429	7.982	736.0	5.835	34.887	27.484	8.073
637.0	6.597	34.884	27.383	7.890	687.0	6.215	34.881	27.431	7.983	737.0	5.832	34.887	27.485	8.075
638.0	6.591	34.883	27.383	7.889	688.0	6.207	34.881	27.432	7.984	738.0	5.833	34.886	27.484	8.080
639.0	6.581	34.884	27.385	7.893	689.0	6.200	34.880	27.433	7.988	739.0	5.830	34.886	27.485	8.080
640.0	6.571	34.883	27.386	7.893	690.0	6.186	34.880	27.434	7.987	740.0	5.824	34.887	27.486	8.081
641.0	6.563	34.883	27.387	7.896	691.0	6.183	34.882	27.436	7.993	741.0	5.820	34.887	27.487	8.083
642.0	6.551	34.883	27.388	7.896	692.0	6.183	34.881	27.436	7.994	742.0	5.810	34.886	27.487	8.085
643.0	6.543	34.882	27.389	7.902	693.0	6.166	34.881	27.438	7.996	743.0	5.806	34.887	27.489	8.090
644.0	6.538	34.882	27.390	7.901	694.0	6.155	34.881	27.439	7.999	744.0	5.804	34.886	27.488	8.090
645.0	6.532	34.884	27.391	7.906	695.0	6.149	34.882	27.441	8.000	745.0	5.792	34.888	27.491	8.092
646.0	6.525	34.882	27.391	7.905	696.0	6.145	34.882	27.441	8.003	746.0	5.786	34.888	27.492	8.094
647.0	6.515	34.882	27.392	7.907	697.0	6.135	34.881	27.442	8.000	747.0	5.783	34.887	27.491	8.094
648.0	6.498	34.883	27.395	7.909	698.0	6.129	34.882	27.443	8.004	748.0	5.782	34.887	27.492	8.099
649.0	6.496	34.884	27.396	7.911	699.0	6.123	34.883	27.445	8.006	749.0	5.781	34.888	27.492	8.098
650.0	6.496	34.883	27.396	7.915	700.0	6.120	34.882	27.444	8.002	750.0	5.781	34.889	27.493	8.095
651.0	6.489	34.882	27.396	7.917	701.0	6.112	34.882	27.445	8.013	751.0	5.769	34.887	27.493	8.100
652.0	6.470	34.882	27.398	7.918	702.0	6.107	34.882	27.446	8.013	752.0	5.756	34.888	27.496	8.104
653.0	6.462	34.882	27.400	7.920	703.0	6.106	34.882	27.447	8.013	753.0	5.748	34.888	27.497	8.106

STATION SBI01.PLT:: CRUISE 90G10 DATE & TIME Sun Jul 22 10:03:56 1990, Julian day = 203

LAT 28 15.32 LON 89 34.96 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
754.0	5.745	34.889	27.498	8.106	804.0	5.506	34.896	27.532	8.208	854.0	5.335	34.903	27.559	8.311
755.0	5.740	34.888	27.498	8.106	805.0	5.496	34.897	27.535	8.211	855.0	5.333	34.903	27.559	8.317
756.0	5.733	34.890	27.500	8.111	806.0	5.493	34.898	27.535	8.212	856.0	5.330	34.903	27.560	8.330
757.0	5.728	34.888	27.499	8.109	807.0	5.490	34.897	27.535	8.212	857.0	5.329	34.904	27.560	8.340
758.0	5.719	34.889	27.501	8.115	808.0	5.489	34.897	27.535	8.216	858.0	5.328	34.903	27.560	8.340
759.0	5.708	34.889	27.502	8.116	809.0	5.488	34.898	27.536	8.218	859.0	5.322	34.904	27.561	8.343
760.0	5.702	34.890	27.504	8.114	810.0	5.487	34.897	27.536	8.221	860.0	5.317	34.904	27.562	8.346
761.0	5.701	34.889	27.503	8.118	811.0	5.486	34.897	27.536	8.222	861.0	5.314	34.904	27.562	8.349
762.0	5.691	34.890	27.505	8.121	812.0	5.484	34.897	27.536	8.221	862.0	5.311	34.905	27.563	8.349
763.0	5.686	34.889	27.505	8.124	813.0	5.481	34.897	27.536	8.227	863.0	5.307	34.905	27.564	8.355
764.0	5.679	34.890	27.507	8.123	814.0	5.478	34.898	27.538	8.228	864.0	5.304	34.906	27.564	8.356
765.0	5.670	34.891	27.508	8.126	815.0	5.476	34.898	27.538	8.229	865.0	5.302	34.906	27.565	8.355
766.0	5.665	34.891	27.509	8.127	816.0	5.476	34.898	27.538	8.232	866.0	5.302	34.905	27.564	8.357
767.0	5.662	34.890	27.509	8.130	817.0	5.473	34.898	27.538	8.235	867.0	5.299	34.904	27.564	8.361
768.0	5.661	34.890	27.509	8.135	818.0	5.469	34.898	27.539	8.236	868.0	5.293	34.904	27.564	8.362
769.0	5.657	34.891	27.510	8.136	819.0	5.468	34.897	27.538	8.239	869.0	5.288	34.905	27.566	8.367
770.0	5.651	34.891	27.511	8.137	820.0	5.460	34.900	27.542	8.239	870.0	5.287	34.904	27.565	8.366
771.0	5.647	34.892	27.512	8.137	821.0	5.458	34.899	27.541	8.243	871.0	5.284	34.906	27.567	8.367
772.0	5.637	34.892	27.513	8.135	822.0	5.451	34.898	27.541	8.247	872.0	5.283	34.905	27.567	8.371
773.0	5.632	34.891	27.513	8.144	823.0	5.448	34.896	27.539	8.244	873.0	5.281	34.905	27.567	8.368
774.0	5.628	34.892	27.515	8.144	824.0	5.435	34.897	27.542	8.247	874.0	5.281	34.905	27.567	8.371
775.0	5.625	34.892	27.515	8.147	825.0	5.429	34.899	27.544	8.249	875.0	5.279	34.905	27.567	8.373
776.0	5.621	34.893	27.516	8.149	826.0	5.425	34.898	27.544	8.251	876.0	5.278	34.905	27.567	8.378
777.0	5.616	34.893	27.516	8.151	827.0	5.417	34.899	27.546	8.255	877.0	5.276	34.906	27.568	8.378
778.0	5.610	34.893	27.517	8.155	828.0	5.413	34.899	27.547	8.256	878.0	5.274	34.905	27.568	8.377
779.0	5.606	34.893	27.518	8.153	829.0	5.411	34.900	27.548	8.258	879.0	5.270	34.905	27.568	8.378
780.0	5.601	34.894	27.520	8.160	830.0	5.411	34.900	27.547	8.259	880.0	5.263	34.906	27.569	8.377
781.0	5.598	34.894	27.519	8.158	831.0	5.411	34.900	27.547	8.263	881.0	5.257	34.907	27.572	8.375
782.0	5.594	34.894	27.520	8.162	832.0	5.408	34.900	27.548	8.260	882.0	5.256	34.907	27.571	8.378
783.0	5.590	34.893	27.520	8.166	833.0	5.407	34.899	27.547	8.262	883.0	5.256	34.907	27.571	8.380
784.0	5.587	34.893	27.521	8.165	834.0	5.401	34.900	27.548	8.267	884.0	5.254	34.907	27.572	8.381
785.0	5.584	34.894	27.521	8.167	835.0	5.397	34.901	27.550	8.269	885.0	5.253	34.907	27.572	8.380
786.0	5.579	34.894	27.522	8.167	836.0	5.396	34.901	27.551	8.273	886.0	5.249	34.907	27.573	8.387
787.0	5.575	34.895	27.524	8.172	837.0	5.391	34.900	27.550	8.276	887.0	5.245	34.906	27.572	8.390
788.0	5.573	34.894	27.522	8.175	838.0	5.384	34.900	27.551	8.280	888.0	5.229	34.908	27.575	8.397
789.0	5.567	34.894	27.524	8.177	839.0	5.381	34.901	27.552	8.281	889.0	5.222	34.907	27.576	8.398
790.0	5.561	34.895	27.525	8.180	840.0	5.378	34.903	27.553	8.280	890.0	5.215	34.908	27.577	8.399
791.0	5.558	34.894	27.525	8.179	841.0	5.378	34.901	27.552	8.285	891.0	5.205	34.909	27.579	8.392
792.0	5.552	34.895	27.526	8.173	842.0	5.374	34.902	27.554	8.290	892.0	5.200	34.909	27.580	8.393
793.0	5.550	34.895	27.526	8.185	843.0	5.367	34.904	27.556	8.290	893.0	5.191	34.908	27.580	8.390
794.0	5.549	34.894	27.526	8.188	844.0	5.361	34.903	27.556	8.289	894.0	5.185	34.909	27.582	8.391
795.0	5.546	34.895	27.527	8.188	845.0	5.357	34.903	27.556	8.291	895.0	5.178	34.909	27.583	8.396
796.0	5.541	34.895	27.528	8.189	846.0	5.355	34.903	27.557	8.293	896.0	5.175	34.910	27.583	8.394
797.0	5.536	34.895	27.529	8.188	847.0	5.352	34.902	27.556	8.299	897.0	5.166	34.911	27.585	8.395
798.0	5.531	34.896	27.530	8.194	848.0	5.350	34.902	27.557	8.295	898.0	5.159	34.910	27.586	8.404
799.0	5.529	34.895	27.529	8.199	849.0	5.344	34.904	27.558	8.302	899.0	5.141	34.911	27.589	8.401
800.0	5.527	34.895	27.530	8.198	850.0	5.342	34.903	27.558	8.300	900.0	5.127	34.913	27.592	8.404
801.0	5.520	34.895	27.531	8.200	851.0	5.340	34.903	27.558	8.307					
802.0	5.515	34.896	27.532	8.203	852.0	5.337	34.903	27.559	8.310					
803.0	5.511	34.896	27.532	8.205	853.0	5.335	34.904	27.560	8.310					



CRUISE: 90G10 STATION: SB101.PL DATE: Jul 22 10:03:56 1990
LATITUDE: 28 15.32 LONGITUDE: 89 34.96

STATION SB101B.PLT:: CRUISE 90g10 DATE & TIME Sun Jul 22 11:06:29 1990, Julian day = 203
 LAT 28 15.85 LUN 89 34.23 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.990	34.076	21.376	8.852	54.0	22.709	36.249	24.967	8.964	104.0	18.809	36.406	26.146	9.025
5.0	28.993	34.075	21.374	8.853	55.0	22.512	36.245	25.020	8.970	105.0	18.777	36.406	26.155	9.029
6.0	28.995	34.074	21.373	8.849	56.0	22.347	36.248	25.070	8.970	106.0	18.724	36.401	26.165	9.028
7.0	28.996	34.074	21.373	8.850	57.0	22.201	36.254	25.115	8.962	107.0	18.636	36.407	26.192	9.028
8.0	28.997	34.074	21.372	8.783	58.0	22.035	36.260	25.167	8.961	108.0	18.588	36.415	26.210	9.029
9.0	28.997	34.073	21.372	8.844	59.0	22.033	36.300	25.198	8.952	109.0	18.540	36.414	26.221	9.029
10.0	28.995	34.073	21.372	8.851	60.0	22.062	36.342	25.222	8.945	110.0	18.469	36.405	26.232	9.033
11.0	28.993	34.073	21.373	8.849	61.0	22.072	36.395	25.260	8.942	111.0	18.383	36.409	26.256	9.034
12.0	28.993	34.073	21.373	8.845	62.0	21.989	36.403	25.289	8.949	112.0	18.322	36.396	26.262	9.034
13.0	28.997	34.082	21.378	8.851	63.0	21.940	36.410	25.308	8.951	113.0	18.250	36.399	26.283	9.034
14.0	29.045	34.163	21.423	8.861	64.0	21.896	36.415	25.325	8.954	114.0	18.249	36.401	26.284	9.033
15.0	29.134	34.355	21.538	8.882	65.0	21.799	36.424	25.358	8.960	115.0	18.243	36.399	26.284	9.036
16.0	29.291	34.809	21.826	8.909	66.0	21.711	36.429	25.387	8.965	116.0	18.195	36.388	26.288	9.036
17.0	29.370	35.299	22.167	8.925	67.0	21.551	36.409	25.416	8.973	117.0	18.111	36.381	26.303	9.040
18.0	29.232	35.519	22.378	8.946	68.0	21.344	36.399	25.466	8.981	118.0	18.063	36.387	26.321	9.037
19.0	29.095	35.598	22.484	8.948	69.0	21.258	36.396	25.488	8.990	119.0	17.972	36.384	26.341	9.040
20.0	28.948	35.630	22.557	8.948	70.0	21.173	36.390	25.507	8.993	120.0	17.931	36.386	26.352	9.042
21.0	28.857	35.658	22.609	8.949	71.0	21.099	36.396	25.531	8.993	121.0	17.916	36.380	26.351	9.042
22.0	28.765	35.678	22.654	8.946	72.0	20.956	36.397	25.572	8.997	122.0	17.875	36.373	26.356	9.043
23.0	28.515	35.704	22.757	8.934	73.0	20.890	36.401	25.593	8.996	123.0	17.799	36.373	26.375	9.042
24.0	28.018	35.783	22.980	8.932	74.0	20.852	36.402	25.603	8.996	124.0	17.736	36.376	26.393	9.043
25.0	27.569	35.865	23.188	8.935	75.0	20.708	36.396	25.639	8.995	125.0	17.720	36.375	26.396	9.043
26.0	27.184	35.918	23.352	8.935	76.0	20.580	36.392	25.670	8.988	126.0	17.656	36.362	26.402	9.042
27.0	27.037	35.917	23.399	8.933	77.0	20.457	36.388	25.700	8.982	127.0	17.637	36.363	26.407	9.045
28.0	26.539	35.922	23.562	8.921	78.0	20.378	36.403	25.733	8.988	128.0	17.618	36.366	26.415	9.044
29.0	26.264	35.957	23.675	8.926	79.0	20.279	36.403	25.759	8.990	129.0	17.618	36.370	26.418	9.044
30.0	26.199	35.979	23.712	8.933	80.0	20.150	36.404	25.795	8.991	130.0	17.545	36.358	26.426	9.046
31.0	26.075	36.008	23.773	8.942	81.0	20.082	36.411	25.819	8.994	131.0	17.447	36.357	26.449	9.049
32.0	25.943	36.036	23.835	8.943	82.0	20.056	36.413	25.826	8.993	132.0	17.406	36.354	26.457	9.052
33.0	25.857	36.055	23.876	8.945	83.0	20.029	36.410	25.832	8.995	133.0	17.376	36.350	26.461	9.052
34.0	25.784	36.072	23.912	8.952	84.0	19.974	36.407	25.844	8.999	134.0	17.361	36.350	26.465	9.053
35.0	25.551	36.091	23.999	8.956	85.0	19.880	36.418	25.877	8.999	135.0	17.355	36.347	26.464	9.052
36.0	25.414	36.132	24.072	8.954	86.0	19.846	36.418	25.886	9.004	136.0	17.318	36.337	26.466	9.052
37.0	25.343	36.153	24.110	8.958	87.0	19.748	36.409	25.905	9.003	137.0	17.283	36.331	26.469	9.051
38.0	25.169	36.164	24.172	8.960	88.0	19.697	36.412	25.921	9.003	138.0	17.236	36.312	26.466	9.052
39.0	24.965	36.186	24.250	8.960	89.0	19.665	36.423	25.938	9.004	139.0	17.134	36.297	26.479	9.052
40.0	24.852	36.211	24.304	8.962	90.0	19.626	36.432	25.955	9.009	140.0	17.060	36.276	26.480	9.051
41.0	24.753	36.229	24.348	8.962	91.0	19.601	36.436	25.964	9.011	141.0	16.892	36.252	26.502	9.052
42.0	24.664	36.229	24.375	8.961	92.0	19.570	36.435	25.972	9.011	142.0	16.776	36.244	26.524	9.054
43.0	24.521	36.241	24.427	8.961	93.0	19.490	36.424	25.984	9.012	143.0	16.748	36.243	26.531	9.056
44.0	24.344	36.260	24.495	8.964	94.0	19.384	36.418	26.007	9.013	144.0	16.740	36.242	26.531	9.054
45.0	24.190	36.271	24.550	8.969	95.0	19.331	36.414	26.018	9.013	145.0	16.727	36.238	26.531	9.055
46.0	24.070	36.284	24.594	8.970	96.0	19.298	36.414	26.027	9.015	146.0	16.704	36.230	26.531	9.053
47.0	23.970	36.275	24.618	8.967	97.0	19.268	36.413	26.034	9.017	147.0	16.583	36.208	26.542	9.056
48.0	23.885	36.304	24.665	8.971	98.0	19.234	36.416	26.045	9.017	148.0	16.497	36.204	26.559	9.057
49.0	23.679	36.257	24.691	8.970	99.0	19.083	36.409	26.078	9.019	149.0	16.456	36.202	26.567	9.058
50.0	23.393	36.258	24.775	8.969	100.0	18.998	36.403	26.096	9.021	150.0	16.440	36.199	26.569	9.057
51.0	23.099	36.238	24.845	8.969	101.0	18.921	36.402	26.115	9.020	151.0	16.392	36.184	26.569	9.058
52.0	23.010	36.253	24.883	8.974	102.0	18.894	36.401	26.121	9.022	152.0	16.341	36.186	26.582	9.058
53.0	22.891	36.243	24.910	8.974	103.0	18.841	36.407	26.139	9.024	153.0	16.327	36.182	26.582	9.057

STATION SB101B.PLT:: CRUISE 90g10 DATE & TIME Sun Jul 22 11:06:29 1990, Julian day = 203
 LAT 28 15.85 LON 89 34.23 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
304.0	11.842	35.471	26.986	8.832	354.0	10.703	35.297	27.061	8.429	404.0	9.725	35.160	27.124	8.191
305.0	11.927	35.466	26.985	8.822	355.0	10.675	35.296	27.065	8.425	405.0	9.708	35.160	27.127	8.189
306.0	11.794	35.463	26.989	8.816	356.0	10.672	35.296	27.066	8.415	406.0	9.692	35.157	27.128	8.184
307.0	11.774	35.458	26.989	8.805	357.0	10.663	35.292	27.064	8.407	407.0	9.684	35.156	27.128	8.182
308.0	11.739	35.451	26.990	8.798	358.0	10.634	35.286	27.065	8.398	408.0	9.676	35.155	27.129	8.179
309.0	11.704	35.448	26.994	8.789	359.0	10.588	35.282	27.070	8.395	409.0	9.671	35.156	27.130	8.177
310.0	11.679	35.442	26.994	8.782	360.0	10.553	35.275	27.071	8.392	410.0	9.671	35.156	27.130	8.174
311.0	11.642	35.438	26.998	8.774	361.0	10.515	35.269	27.073	8.391	411.0	9.668	35.155	27.130	8.171
312.0	11.624	35.435	26.999	8.764	362.0	10.489	35.268	27.076	8.388	412.0	9.644	35.149	27.129	8.166
313.0	11.598	35.430	27.000	8.755	363.0	10.473	35.266	27.078	8.381	413.0	9.615	35.146	27.132	8.164
314.0	11.566	35.421	27.000	8.749	364.0	10.469	35.265	27.078	8.374	414.0	9.603	35.146	27.134	8.162
315.0	11.511	35.421	27.010	8.740	365.0	10.458	35.264	27.079	8.366	415.0	9.591	35.144	27.134	8.160
316.0	11.491	35.416	27.010	8.730	366.0	10.445	35.261	27.079	8.362	416.0	9.579	35.143	27.135	8.159
317.0	11.475	35.413	27.010	8.722	367.0	10.432	35.259	27.080	8.357	417.0	9.547	35.136	27.136	8.155
318.0	11.459	35.410	27.011	8.713	368.0	10.405	35.256	27.082	8.348	418.0	9.497	35.130	27.139	8.153
319.0	11.445	35.408	27.012	8.704	369.0	10.370	35.247	27.082	8.344	419.0	9.476	35.132	27.144	8.151
320.0	11.430	35.406	27.013	8.699	370.0	10.339	35.248	27.087	8.340	420.0	9.462	35.127	27.142	8.151
321.0	11.419	35.404	27.014	8.688	371.0	10.329	35.247	27.088	8.334	421.0	9.438	35.124	27.144	8.147
322.0	11.412	35.402	27.013	8.681	372.0	10.320	35.246	27.089	8.328	422.0	9.426	35.124	27.146	8.144
323.0	11.381	35.396	27.015	8.668	373.0	10.317	35.246	27.090	8.322	423.0	9.420	35.123	27.146	8.140
324.0	11.358	35.395	27.018	8.659	374.0	10.314	35.244	27.089	8.318	424.0	9.413	35.120	27.146	8.141
325.0	11.344	35.392	27.019	8.649	375.0	10.290	35.241	27.090	8.310	425.0	9.390	35.117	27.146	8.139
326.0	11.320	35.390	27.021	8.623	376.0	10.277	35.239	27.091	8.305	426.0	9.379	35.117	27.148	8.138
327.0	11.302	35.387	27.022	8.608	377.0	10.260	35.237	27.093	8.299	427.0	9.371	35.117	27.149	8.135
328.0	11.288	35.384	27.023	8.601	378.0	10.253	35.238	27.094	8.293	428.0	9.362	35.115	27.149	8.133
329.0	11.251	35.372	27.020	8.601	379.0	10.253	35.236	27.093	8.283	429.0	9.361	35.115	27.150	8.130
330.0	11.192	35.366	27.026	8.596	380.0	10.225	35.231	27.094	8.277	430.0	9.360	35.114	27.149	8.130
331.0	11.144	35.363	27.033	8.585	381.0	10.211	35.234	27.099	8.264	431.0	9.347	35.112	27.150	8.129
332.0	11.104	35.358	27.036	8.572	382.0	10.203	35.230	27.097	8.259	432.0	9.328	35.110	27.151	8.127
333.0	11.083	35.355	27.037	8.573	383.0	10.177	35.227	27.099	8.252	433.0	9.316	35.105	27.150	8.120
334.0	11.062	35.352	27.039	8.563	384.0	10.158	35.225	27.100	8.241	434.0	9.298	35.106	27.153	8.121
335.0	11.038	35.348	27.041	8.557	385.0	10.135	35.222	27.102	8.234	435.0	9.272	35.099	27.152	8.122
336.0	11.017	35.346	27.042	8.549	386.0	10.106	35.218	27.104	8.231	436.0	9.229	35.098	27.158	8.121
337.0	11.010	35.345	27.043	8.541	387.0	10.083	35.214	27.105	8.226	437.0	9.209	35.095	27.159	8.119
338.0	11.000	35.341	27.042	8.538	388.0	10.057	35.211	27.107	8.225	438.0	9.186	35.091	27.159	8.117
339.0	10.975	35.339	27.044	8.537	389.0	10.047	35.210	27.108	8.223	439.0	9.158	35.089	27.162	8.115
340.0	10.965	35.337	27.045	8.532	390.0	10.038	35.209	27.109	8.220	440.0	9.139	35.088	27.165	8.115
341.0	10.944	35.332	27.045	8.525	391.0	10.024	35.204	27.108	8.217	441.0	9.122	35.084	27.165	8.115
342.0	10.929	35.332	27.047	8.517	392.0	9.987	35.200	27.111	8.220	442.0	9.074	35.076	27.166	8.111
343.0	10.920	35.330	27.048	8.511	393.0	9.985	35.201	27.112	8.216	443.0	9.055	35.078	27.171	8.111
344.0	10.905	35.328	27.049	8.504	394.0	9.965	35.194	27.110	8.216	444.0	9.053	35.077	27.171	8.112
345.0	10.884	35.321	27.047	8.494	395.0	9.921	35.188	27.113	8.217	445.0	9.052	35.076	27.170	8.109
346.0	10.846	35.320	27.053	8.478	396.0	9.867	35.179	27.115	8.213	446.0	9.044	35.074	27.170	8.104
347.0	10.811	35.313	27.054	8.471	397.0	9.843	35.179	27.119	8.213	447.0	9.021	35.072	27.171	8.106
348.0	10.772	35.311	27.059	8.465	398.0	9.840	35.180	27.120	8.208	448.0	8.998	35.069	27.173	8.105
349.0	10.765	35.309	27.060	8.462	399.0	9.839	35.178	27.119	8.203	449.0	8.985	35.069	27.175	8.104
350.0	10.752	35.307	27.060	8.458	400.0	9.832	35.175	27.118	8.201	450.0	8.978	35.067	27.175	8.103
351.0	10.741	35.304	27.060	8.452	401.0	9.805	35.171	27.119	8.201	451.0	8.964	35.067	27.177	8.103
352.0	10.719	35.301	27.061	8.443	402.0	9.792	35.171	27.122	8.195	452.0	8.958	35.066	27.177	8.101
353.0	10.711	35.301	27.063	8.436	403.0	9.770	35.164	27.120	8.192	453.0	8.957	35.066	27.177	8.100

STATION SB101B.PLT:: CRUISE 90g10 DATE & TIME Sun Jul 22 11:06:29 1990, Julian day = 203
 LAT 28 15.85 LON 89 34.23 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

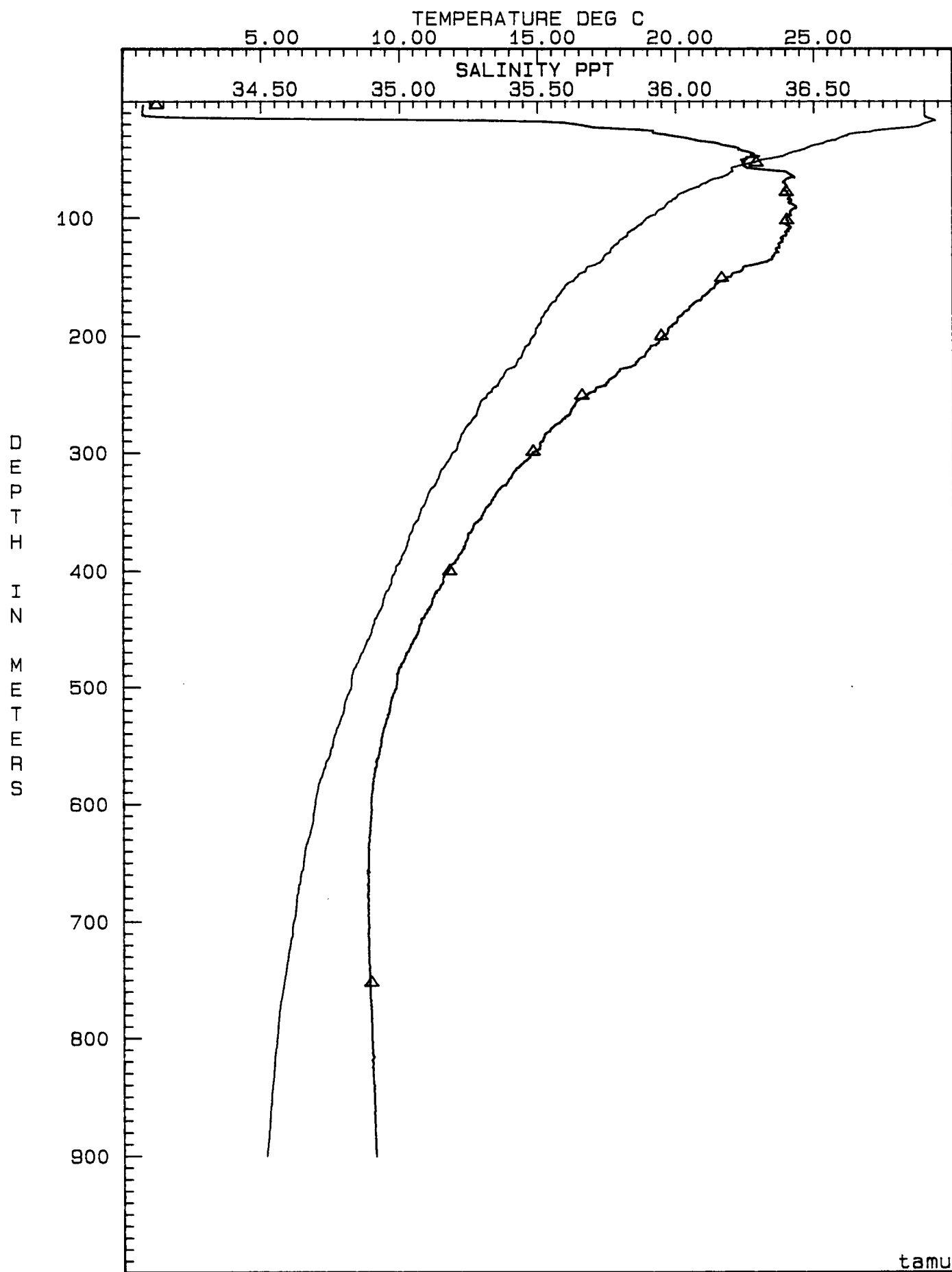
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
454.0	8.946	35.063	27.177	8.101	504.0	8.148	34.979	27.235	8.105	554.0	7.473	34.924	27.292	8.143
455.0	8.934	35.063	27.178	8.099	505.0	8.140	34.978	27.236	8.103	555.0	7.466	34.924	27.293	8.145
456.0	8.922	35.061	27.179	8.097	506.0	8.117	34.975	27.237	8.103	556.0	7.460	34.923	27.293	8.144
457.0	8.897	35.057	27.180	8.099	507.0	8.091	34.974	27.240	8.105	557.0	7.451	34.922	27.294	8.145
458.0	8.877	35.057	27.183	8.096	508.0	8.067	34.971	27.241	8.107	558.0	7.446	34.922	27.294	8.145
459.0	8.861	35.053	27.183	8.095	509.0	8.059	34.971	27.242	8.108	559.0	7.434	34.920	27.295	8.148
460.0	8.832	35.048	27.183	8.092	510.0	8.040	34.967	27.243	8.109	560.0	7.415	34.919	27.296	8.150
461.0	8.791	35.047	27.189	8.091	511.0	8.020	34.968	27.246	8.109	561.0	7.403	34.919	27.298	8.150
462.0	8.775	35.044	27.189	8.093	512.0	8.007	34.966	27.246	8.109	562.0	7.376	34.915	27.299	8.153
463.0	8.760	35.043	27.190	8.096	513.0	7.989	34.965	27.248	8.113	563.0	7.355	34.915	27.302	8.151
464.0	8.740	35.038	27.190	8.097	514.0	7.978	34.964	27.249	8.110	564.0	7.316	34.911	27.305	8.152
465.0	8.716	35.037	27.193	8.096	515.0	7.970	34.964	27.250	8.110	565.0	7.297	34.913	27.309	8.154
466.0	8.703	35.037	27.195	8.096	516.0	7.965	34.963	27.251	8.111	566.0	7.286	34.913	27.310	8.155
467.0	8.686	35.034	27.195	8.095	517.0	7.957	34.963	27.251	8.105	567.0	7.279	34.912	27.311	8.152
468.0	8.669	35.032	27.196	8.094	518.0	7.955	34.962	27.251	8.110	568.0	7.274	34.912	27.311	8.153
469.0	8.651	35.031	27.198	8.095	519.0	7.955	34.960	27.250	8.115	569.0	7.269	34.911	27.311	8.159
470.0	8.635	35.027	27.198	8.096	520.0	7.949	34.961	27.251	8.117	570.0	7.242	34.906	27.311	8.160
471.0	8.593	35.022	27.200	8.095	521.0	7.938	34.959	27.251	8.114	571.0	7.220	34.907	27.315	8.157
472.0	8.572	35.023	27.204	8.096	522.0	7.925	34.958	27.253	8.115	572.0	7.205	34.907	27.317	8.158
473.0	8.554	35.020	27.205	8.095	523.0	7.918	34.959	27.254	8.117	573.0	7.190	34.907	27.319	8.161
474.0	8.533	35.017	27.206	8.096	524.0	7.902	34.953	27.252	8.117	574.0	7.182	34.905	27.319	8.161
475.0	8.520	35.017	27.208	8.096	525.0	7.879	34.955	27.257	8.118	575.0	7.170	34.904	27.319	8.162
476.0	8.515	35.017	27.209	8.095	526.0	7.859	34.954	27.259	8.115	576.0	7.163	34.904	27.321	8.165
477.0	8.497	35.013	27.209	8.097	527.0	7.844	34.952	27.260	8.121	577.0	7.152	34.903	27.322	8.165
478.0	8.481	35.012	27.210	8.095	528.0	7.833	34.950	27.260	8.120	578.0	7.131	34.902	27.324	8.165
479.0	8.468	35.011	27.211	8.094	529.0	7.819	34.948	27.260	8.120	579.0	7.100	34.900	27.327	8.167
480.0	8.445	35.006	27.211	8.096	530.0	7.800	34.947	27.263	8.118	580.0	7.079	34.900	27.329	8.163
481.0	8.411	35.003	27.214	8.097	531.0	7.787	34.947	27.265	8.119	581.0	7.067	34.901	27.331	8.169
482.0	8.395	35.003	27.216	8.097	532.0	7.779	34.946	27.265	8.121	582.0	7.059	34.900	27.332	8.172
483.0	8.383	35.002	27.217	8.100	533.0	7.758	34.943	27.265	8.124	583.0	7.041	34.898	27.333	8.172
484.0	8.358	34.995	27.216	8.102	534.0	7.736	34.943	27.269	8.125	584.0	7.024	34.898	27.336	8.177
485.0	8.317	34.996	27.223	8.099	535.0	7.719	34.940	27.269	8.123	585.0	7.021	34.898	27.335	8.174
486.0	8.297	34.993	27.224	8.101	536.0	7.690	34.939	27.272	8.126	586.0	7.012	34.897	27.337	8.179
487.0	8.281	34.993	27.226	8.101	537.0	7.676	34.938	27.274	8.124	587.0	7.004	34.899	27.339	8.177
488.0	8.276	34.992	27.226	8.100	538.0	7.670	34.938	27.274	8.127	588.0	7.001	34.898	27.339	8.179
489.0	8.261	34.988	27.225	8.103	539.0	7.662	34.937	27.275	8.129	589.0	6.998	34.896	27.338	8.178
490.0	8.239	34.989	27.229	8.101	540.0	7.643	34.934	27.276	8.130	590.0	6.987	34.897	27.340	8.180
491.0	8.229	34.989	27.231	8.101	541.0	7.620	34.934	27.278	8.129	591.0	6.974	34.896	27.341	8.179
492.0	8.228	34.988	27.230	8.101	542.0	7.606	34.934	27.280	8.133	592.0	6.959	34.894	27.342	8.179
493.0	8.226	34.988	27.230	8.102	543.0	7.592	34.933	27.282	8.132	593.0	6.948	34.894	27.342	8.182
494.0	8.225	34.988	27.230	8.103	544.0	7.582	34.931	27.282	8.133	594.0	6.941	34.894	27.344	8.182
495.0	8.223	34.987	27.230	8.104	545.0	7.569	34.931	27.284	8.133	595.0	6.934	34.894	27.344	8.184
496.0	8.221	34.987	27.230	8.103	546.0	7.563	34.929	27.283	8.137	596.0	6.928	34.893	27.344	8.187
497.0	8.217	34.987	27.231	8.103	547.0	7.556	34.930	27.285	8.137	597.0	6.919	34.893	27.346	8.187
498.0	8.216	34.987	27.231	8.103	548.0	7.552	34.930	27.286	8.136	598.0	6.916	34.892	27.346	8.189
499.0	8.214	34.986	27.230	8.107	549.0	7.544	34.928	27.285	8.138	599.0	6.907	34.892	27.346	8.188
500.0	8.209	34.985	27.231	8.104	550.0	7.536	34.928	27.286	8.138	600.0	6.906	34.892	27.347	8.190
501.0	8.205	34.986	27.232	8.101	551.0	7.531	34.929	27.287	8.140	601.0	6.905	34.892	27.347	8.194
502.0	8.195	34.982	27.231	8.103	552.0	7.524	34.926	27.296	8.141	602.0	6.892	34.893	27.350	8.192
503.0	8.187	34.980	27.233	8.103	553.0	7.488	34.924	27.290	8.141	603.0	6.885	34.893	27.351	8.193

STATION 81018, PLT: LOUISE 9910 DATE & TIME Sun Jul 22 11:06:29 1990, Julian day = 203
 LAT 23 15.85 LON 89 34.23 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
604.0	6.881	34.893	27.351	8.192	654.0	6.471	34.882	27.398	8.259	704.0	6.093	34.883	27.449	8.339
605.0	6.875	34.894	27.353	8.193	655.0	6.464	34.882	27.399	8.258	705.0	6.087	34.885	27.450	8.341
606.0	6.868	34.894	27.354	8.198	656.0	6.457	34.881	27.399	8.260	706.0	6.088	34.883	27.449	8.341
607.0	6.865	34.892	27.353	8.199	657.0	6.440	34.879	27.400	8.261	707.0	6.088	34.882	27.448	8.346
608.0	6.853	34.892	27.355	8.195	658.0	6.403	34.884	27.409	8.263	708.0	6.088	34.882	27.449	8.346
609.0	6.842	34.892	27.356	8.199	659.0	6.397	34.880	27.406	8.263	709.0	6.088	34.882	27.448	8.348
610.0	6.840	34.892	27.356	8.200	660.0	6.388	34.881	27.408	8.264	710.0	6.087	34.880	27.447	8.347
611.0	6.836	34.891	27.356	8.203	661.0	6.381	34.881	27.409	8.264	711.0	6.086	34.881	27.448	8.352
612.0	6.830	34.892	27.358	8.202	662.0	6.378	34.881	27.410	8.269	712.0	6.084	34.881	27.448	8.350
613.0	6.826	34.891	27.358	8.203	663.0	6.375	34.881	27.410	8.267	713.0	6.072	34.881	27.449	8.356
614.0	6.822	34.891	27.358	8.205	664.0	6.370	34.882	27.411	8.271	714.0	6.052	34.882	27.453	8.357
615.0	6.822	34.891	27.357	8.205	665.0	6.367	34.882	27.412	8.271	715.0	6.035	34.884	27.457	8.351
616.0	6.818	34.890	27.357	8.208	666.0	6.359	34.882	27.413	8.273	716.0	6.026	34.883	27.457	8.361
617.0	6.811	34.891	27.359	8.209	667.0	6.355	34.882	27.413	8.273	717.0	6.019	34.883	27.458	8.364
618.0	6.802	34.890	27.360	8.209	668.0	6.348	34.881	27.414	8.277	718.0	6.011	34.884	27.459	8.363
619.0	6.780	34.890	27.363	8.211	669.0	6.319	34.878	27.415	8.279	719.0	6.007	34.884	27.461	8.366
620.0	6.771	34.888	27.363	8.212	670.0	6.304	34.882	27.421	8.277	720.0	6.003	34.883	27.460	8.369
621.0	6.759	34.889	27.365	8.214	671.0	6.302	34.881	27.420	8.280	721.0	5.998	34.883	27.461	8.368
622.0	6.750	34.888	27.366	8.216	672.0	6.300	34.881	27.420	8.285	722.0	5.990	34.882	27.461	8.369
623.0	6.741	34.888	27.366	8.215	673.0	6.295	34.882	27.421	8.285	723.0	5.982	34.883	27.463	8.372
624.0	6.731	34.888	27.368	8.217	674.0	6.292	34.882	27.422	8.286	724.0	5.975	34.882	27.463	8.376
625.0	6.724	34.887	27.368	8.218	675.0	6.286	34.881	27.422	8.290	725.0	5.961	34.883	27.466	8.376
626.0	6.713	34.887	27.369	8.220	676.0	6.282	34.879	27.421	8.287	726.0	5.955	34.884	27.467	8.377
627.0	6.703	34.886	27.370	8.221	677.0	6.260	34.882	27.426	8.292	727.0	5.950	34.883	27.467	8.378
628.0	6.693	34.885	27.371	8.221	678.0	6.248	34.879	27.425	8.290	728.0	5.943	34.884	27.469	8.381
629.0	6.670	34.885	27.374	8.222	679.0	6.245	34.878	27.425	8.297	729.0	5.937	34.885	27.470	8.381
630.0	6.649	34.886	27.377	8.220	680.0	6.235	34.881	27.428	8.299	730.0	5.934	34.884	27.470	8.384
631.0	6.643	34.885	27.378	8.226	681.0	6.230	34.881	27.429	8.297	731.0	5.931	34.885	27.471	8.386
632.0	6.629	34.885	27.380	8.227	682.0	6.228	34.882	27.430	8.298	732.0	5.929	34.884	27.470	8.387
633.0	6.621	34.884	27.380	8.229	683.0	6.227	34.881	27.429	8.301	733.0	5.924	34.883	27.470	8.388
634.0	6.596	34.883	27.382	8.229	684.0	6.224	34.881	27.430	8.303	734.0	5.913	34.883	27.472	8.377
635.0	6.579	34.884	27.385	8.232	685.0	6.222	34.881	27.430	8.307	735.0	5.903	34.884	27.474	8.393
636.0	6.571	34.882	27.385	8.233	686.0	6.217	34.881	27.431	8.305	736.0	5.893	34.885	27.476	8.392
637.0	6.558	34.881	27.386	8.232	687.0	6.215	34.881	27.431	8.304	737.0	5.884	34.885	27.477	8.396
638.0	6.550	34.883	27.388	8.230	688.0	6.212	34.881	27.432	8.304	738.0	5.877	34.886	27.479	8.396
639.0	6.546	34.884	27.390	8.236	689.0	6.209	34.881	27.432	8.311	739.0	5.873	34.886	27.479	8.399
640.0	6.539	34.883	27.390	8.237	690.0	6.206	34.881	27.433	8.310	740.0	5.872	34.886	27.480	8.400
641.0	6.531	34.883	27.391	8.237	691.0	6.200	34.881	27.433	8.318	741.0	5.866	34.885	27.479	8.404
642.0	6.526	34.883	27.392	8.239	692.0	6.198	34.881	27.434	8.316	742.0	5.860	34.886	27.481	8.407
643.0	6.521	34.883	27.392	8.241	693.0	6.194	34.882	27.435	8.318	743.0	5.854	34.886	27.481	8.404
644.0	6.516	34.883	27.393	8.241	694.0	6.191	34.881	27.434	8.320	744.0	5.847	34.887	27.483	8.407
645.0	6.511	34.883	27.394	8.241	695.0	6.188	34.880	27.434	8.324	745.0	5.843	34.887	27.484	8.409
646.0	6.508	34.883	27.394	8.243	696.0	6.175	34.881	27.437	8.323	746.0	5.832	34.886	27.484	8.412
647.0	6.503	34.882	27.394	8.247	697.0	6.165	34.882	27.438	8.328	747.0	5.821	34.887	27.487	8.414
648.0	6.499	34.882	27.395	8.249	698.0	6.157	34.882	27.439	8.329	748.0	5.814	34.887	27.488	8.415
649.0	6.493	34.882	27.395	8.248	699.0	6.147	34.881	27.440	8.332	749.0	5.810	34.887	27.488	8.418
650.0	6.484	34.883	27.397	8.250	700.0	6.131	34.881	27.442	8.330	750.0	5.801	34.887	27.489	8.417
651.0	6.479	34.882	27.397	8.254	701.0	6.116	34.882	27.445	8.337	751.0	5.794	34.888	27.490	8.414
652.0	6.476	34.882	27.398	8.251	702.0	6.106	34.883	27.447	8.336	752.0	5.791	34.888	27.491	8.418
653.0	6.473	34.883	27.398	8.257	703.0	6.099	34.883	27.448	8.336	753.0	5.788	34.888	27.491	8.419

STATION SB1018.PLT:: CRUISE 90g10 DATE & TIME Sun Jul 22 11:06:29 1990, Julian day = 203
 LAT 28 15.85 LON 89 34.23 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
754.0	5.782	34.886	27.491	8.424	804.0	5.519	34.897	27.532	8.515	854.0	5.327	34.904	27.560	8.603
755.0	5.769	34.888	27.494	8.425	805.0	5.518	34.896	27.531	8.515	855.0	5.325	34.904	27.561	8.608
756.0	5.763	34.888	27.495	8.425	806.0	5.512	34.896	27.532	8.516	856.0	5.320	34.904	27.561	8.609
757.0	5.757	34.890	27.496	8.426	807.0	5.510	34.897	27.533	8.518	857.0	5.314	34.904	27.562	8.610
758.0	5.754	34.888	27.496	8.429	808.0	5.508	34.896	27.533	8.520	858.0	5.309	34.905	27.564	8.609
759.0	5.743	34.890	27.498	8.432	809.0	5.493	34.896	27.534	8.523	859.0	5.307	34.905	27.564	8.612
760.0	5.743	34.888	27.497	8.431	810.0	5.485	34.898	27.537	8.526	860.0	5.302	34.905	27.564	8.617
761.0	5.735	34.889	27.499	8.435	811.0	5.483	34.898	27.537	8.525	861.0	5.295	34.906	27.566	8.621
762.0	5.730	34.889	27.500	8.436	812.0	5.481	34.897	27.537	8.526	862.0	5.293	34.906	27.566	8.618
763.0	5.724	34.889	27.500	8.438	813.0	5.477	34.897	27.537	8.527	863.0	5.293	34.903	27.564	8.629
764.0	5.715	34.889	27.501	8.439	814.0	5.469	34.898	27.539	8.533	864.0	5.290	34.903	27.565	8.634
765.0	5.707	34.889	27.502	8.441	815.0	5.460	34.898	27.540	8.533	865.0	5.286	34.904	27.565	8.633
766.0	5.699	34.889	27.503	8.442	816.0	5.453	34.902	27.544	8.535	866.0	5.282	34.905	27.567	8.638
767.0	5.683	34.890	27.506	8.428	817.0	5.453	34.901	27.543	8.535	867.0	5.280	34.904	27.567	8.645
768.0	5.678	34.892	27.508	8.445	818.0	5.453	34.900	27.542	8.536	868.0	5.278	34.904	27.567	8.645
769.0	5.669	34.890	27.508	8.433	819.0	5.452	34.896	27.540	8.542	869.0	5.274	34.905	27.568	8.648
770.0	5.660	34.891	27.510	8.446	820.0	5.445	34.897	27.541	8.543	870.0	5.271	34.906	27.569	8.654
771.0	5.653	34.892	27.511	8.454	821.0	5.440	34.900	27.543	8.545	871.0	5.270	34.905	27.568	8.656
772.0	5.650	34.890	27.510	8.455	822.0	5.440	34.899	27.542	8.547	872.0	5.268	34.905	27.568	8.661
773.0	5.642	34.893	27.513	8.455	823.0	5.440	34.898	27.542	8.546	873.0	5.266	34.906	27.569	8.661
774.0	5.641	34.892	27.513	8.459	824.0	5.438	34.898	27.542	8.547	874.0	5.263	34.907	27.570	8.663
775.0	5.629	34.891	27.514	8.461	825.0	5.434	34.897	27.542	8.549	875.0	5.261	34.906	27.570	8.669
776.0	5.623	34.893	27.515	8.462	826.0	5.428	34.899	27.545	8.551	876.0	5.258	34.906	27.571	8.671
777.0	5.618	34.893	27.517	8.464	827.0	5.426	34.900	27.545	8.554	877.0	5.255	34.906	27.571	8.671
778.0	5.613	34.894	27.518	8.453	828.0	5.426	34.898	27.544	8.556	878.0	5.253	34.905	27.571	8.677
779.0	5.611	34.893	27.517	8.471	829.0	5.424	34.899	27.545	8.561	879.0	5.245	34.906	27.572	8.674
780.0	5.608	34.893	27.518	8.474	830.0	5.423	34.899	27.545	8.560	880.0	5.234	34.907	27.574	8.667
781.0	5.605	34.893	27.518	8.476	831.0	5.419	34.899	27.546	8.560	881.0	5.230	34.907	27.575	8.666
782.0	5.601	34.892	27.518	8.472	832.0	5.414	34.899	27.546	8.558	882.0	5.231	34.907	27.574	8.676
783.0	5.596	34.894	27.520	8.474	833.0	5.410	34.900	27.547	8.566	883.0	5.230	34.907	27.575	8.679
784.0	5.592	34.894	27.520	8.477	834.0	5.406	34.900	27.548	8.564	884.0	5.230	34.907	27.575	8.686
785.0	5.590	34.894	27.521	8.482	835.0	5.405	34.900	27.548	8.567	885.0	5.227	34.908	27.575	8.686
786.0	5.585	34.893	27.521	8.480	836.0	5.401	34.900	27.548	8.569	886.0	5.224	34.907	27.575	8.682
787.0	5.572	34.894	27.523	8.484	837.0	5.391	34.901	27.550	8.570	887.0	5.220	34.908	27.576	8.684
788.0	5.569	34.894	27.524	8.485	838.0	5.385	34.901	27.552	8.574	888.0	5.215	34.907	27.576	8.695
789.0	5.566	34.895	27.525	8.484	839.0	5.381	34.901	27.552	8.572	889.0	5.206	34.908	27.579	8.691
790.0	5.565	34.895	27.525	8.488	840.0	5.373	34.903	27.554	8.578	890.0	5.205	34.908	27.579	8.699
791.0	5.565	34.894	27.524	8.492	841.0	5.365	34.905	27.557	8.580	891.0	5.204	34.908	27.579	8.704
792.0	5.563	34.895	27.525	8.495	842.0	5.363	34.902	27.555	8.575	892.0	5.201	34.908	27.579	8.706
793.0	5.558	34.894	27.525	8.496	843.0	5.361	34.903	27.556	8.582	893.0	5.194	34.908	27.580	8.708
794.0	5.555	34.896	27.526	8.493	844.0	5.360	34.903	27.556	8.584	894.0	5.184	34.908	27.581	8.711
795.0	5.555	34.895	27.526	8.496	845.0	5.357	34.902	27.556	8.588	895.0	5.178	34.909	27.583	8.713
796.0	5.553	34.895	27.526	8.490	846.0	5.349	34.902	27.557	8.588	896.0	5.176	34.909	27.583	8.716
797.0	5.548	34.895	27.527	8.503	847.0	5.343	34.903	27.558	8.593	897.0	5.176	34.909	27.583	8.723
798.0	5.545	34.895	27.527	8.505	848.0	5.337	34.903	27.559	8.592	898.0	5.172	34.910	27.584	8.725
799.0	5.543	34.895	27.528	8.505	849.0	5.335	34.903	27.559	8.595	899.0	5.163	34.910	27.585	8.726
800.0	5.541	34.895	27.528	8.507	850.0	5.333	34.903	27.560	8.595	900.0	5.158	34.910	27.586	8.732
801.0	5.531	34.895	27.529	8.511	851.0	5.330	34.904	27.560	8.598					
802.0	5.523	34.896	27.530	8.511	852.0	5.330	34.903	27.560	8.601					
803.0	5.520	34.896	27.531	8.514	853.0	5.328	34.904	27.561	8.605					



tamu

CRUISE: 90g10 STATION: SB101B.P DATE: Jul 22 11: 06: 29 1990
LATITUDE: 28 15.85 LONGITUDE: 89 34.23
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB102.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 12:28:38 1990, Julian day = 203
 LAT 28 21.56 LON 89 38.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.622	32.526	20.334	8.754	54.0	22.229	36.274	25.123	8.914	104.0	18.269	36.415	26.291	9.030
5.0	28.662	32.878	20.586	8.786	55.0	22.117	36.280	25.159	8.917	105.0	18.225	36.403	26.292	9.031
6.0	28.733	33.440	20.984	8.807	56.0	22.091	36.285	25.170	8.926	106.0	18.078	36.396	26.323	9.029
7.0	28.804	33.946	21.341	8.835	57.0	22.042	36.280	25.181	8.934	107.0	17.947	36.394	26.355	9.032
8.0	28.829	34.139	21.477	8.846	58.0	21.994	36.283	25.196	8.950	108.0	17.872	36.386	26.367	9.034
9.0	28.839	34.195	21.516	8.849	59.0	21.934	36.277	25.208	8.952	109.0	17.822	36.389	26.381	9.034
10.0	28.853	34.216	21.527	8.847	60.0	21.793	36.267	25.241	8.965	110.0	17.807	36.383	26.381	9.035
11.0	28.853	34.216	21.527	8.850	61.0	21.596	36.267	25.295	8.976	111.0	17.761	36.375	26.386	9.035
12.0	28.852	34.218	21.529	8.851	62.0	21.382	36.279	25.364	8.971	112.0	17.700	36.367	26.395	9.035
13.0	28.860	34.225	21.531	8.847	63.0	21.299	36.292	25.397	8.974	113.0	17.627	36.368	26.414	9.036
14.0	28.869	34.235	21.536	8.848	64.0	21.242	36.299	25.418	8.978	114.0	17.603	36.365	26.417	9.037
15.0	28.891	34.261	21.548	8.854	65.0	21.205	36.299	25.429	8.970	115.0	17.584	36.368	26.424	9.037
16.0	28.914	34.308	21.576	8.861	66.0	21.115	36.302	25.456	8.962	116.0	17.579	36.366	26.424	9.042
17.0	28.942	34.341	21.591	8.865	67.0	21.031	36.309	25.484	8.946	117.0	17.561	36.364	26.427	9.035
18.0	28.975	34.444	21.657	8.875	68.0	20.885	36.322	25.534	8.967	118.0	17.541	36.358	26.427	9.040
19.0	28.982	34.571	21.751	8.883	69.0	20.754	36.336	25.580	8.987	119.0	17.496	36.353	26.434	9.038
20.0	29.008	34.605	21.768	8.884	70.0	20.699	36.348	25.604	8.994	120.0	17.424	36.340	26.442	9.039
21.0	29.049	34.669	21.801	8.885	71.0	20.691	36.363	25.618	9.000	121.0	17.315	36.326	26.457	9.043
22.0	29.131	34.857	21.916	8.887	72.0	20.522	36.376	25.673	9.002	122.0	17.226	36.317	26.472	9.043
23.0	29.081	35.054	22.080	8.887	73.0	20.508	36.377	25.678	9.009	123.0	17.151	36.312	26.486	9.041
24.0	28.819	35.363	22.400	8.881	74.0	20.449	36.375	25.692	9.012	124.0	17.118	36.312	26.494	9.043
25.0	28.606	35.483	22.560	8.858	75.0	20.373	36.382	25.718	9.012	125.0	17.050	36.301	26.502	9.043
26.0	28.206	35.540	22.736	8.799	76.0	20.258	36.376	25.744	9.014	126.0	17.018	36.301	26.510	9.044
27.0	28.037	35.567	22.811	8.757	77.0	20.203	36.377	25.760	9.012	127.0	16.988	36.297	26.514	9.045
28.0	27.701	35.585	22.935	8.697	78.0	20.177	36.379	25.768	9.012	128.0	16.956	36.300	26.524	9.045
29.0	27.185	35.699	23.187	8.508	79.0	20.140	36.377	25.777	9.012	129.0	16.942	36.298	26.525	9.046
30.0	26.803	35.760	23.356	8.333	80.0	20.090	36.376	25.790	9.014	130.0	16.904	36.293	26.531	9.048
31.0	26.636	35.788	23.430	7.978	81.0	20.029	36.379	25.808	9.016	131.0	16.875	36.288	26.534	9.050
32.0	26.356	35.827	23.547	8.121	82.0	19.934	36.383	25.836	9.019	132.0	16.861	36.287	26.537	9.051
33.0	25.941	35.870	23.711	8.483	83.0	19.830	36.387	25.867	9.018	133.0	16.846	36.288	26.541	9.051
34.0	25.613	35.912	23.844	8.569	84.0	19.797	36.403	25.887	9.013	134.0	16.825	36.283	26.542	9.052
35.0	25.444	35.933	23.912	8.647	85.0	19.726	36.412	25.913	9.014	135.0	16.799	36.277	26.544	9.052
36.0	25.336	35.951	23.959	8.710	86.0	19.679	36.420	25.931	9.014	136.0	16.762	36.272	26.549	9.054
37.0	25.305	36.076	24.063	8.794	87.0	19.563	36.416	25.958	9.013	137.0	16.744	36.270	26.552	9.052
38.0	25.115	36.149	24.177	8.841	88.0	19.475	36.419	25.985	9.015	138.0	16.730	36.264	26.550	9.054
39.0	24.944	36.165	24.241	8.866	89.0	19.365	36.422	26.015	9.018	139.0	16.661	36.251	26.556	9.052
40.0	24.686	36.172	24.324	8.868	90.0	19.239	36.439	26.061	9.019	140.0	16.626	36.248	26.563	9.052
41.0	24.476	36.224	24.427	8.884	91.0	19.221	36.449	26.073	9.019	141.0	16.609	36.245	26.565	9.053
42.0	24.240	36.227	24.501	8.853	92.0	19.219	36.449	26.074	9.019	142.0	16.585	36.241	26.567	9.055
43.0	23.923	36.131	24.523	8.813	93.0	19.124	36.423	26.078	9.019	143.0	16.556	36.235	26.569	9.055
44.0	23.485	36.065	24.602	8.765	94.0	18.950	36.439	26.136	9.019	144.0	16.500	36.223	26.573	9.054
45.0	23.133	36.097	24.729	8.770	95.0	18.910	36.448	26.152	9.023	145.0	16.460	36.219	26.580	9.052
46.0	22.866	36.108	24.814	8.781	96.0	18.826	36.427	26.158	9.025	146.0	16.409	36.206	26.581	9.054
47.0	22.565	36.122	24.912	8.781	97.0	18.658	36.424	26.199	9.026	147.0	16.356	36.196	26.586	9.058
48.0	22.579	36.193	24.962	8.825	98.0	18.577	36.427	26.222	9.027	148.0	16.267	36.188	26.601	9.057
49.0	22.696	36.251	24.972	8.881	99.0	18.546	36.427	26.230	9.024	149.0	16.229	36.185	26.607	9.058
50.0	22.595	36.259	25.007	8.914	100.0	18.502	36.423	26.238	9.029	150.0	16.216	36.184	26.610	9.055
51.0	22.387	36.269	25.074	8.925	101.0	18.428	36.419	26.253	9.029	151.0	16.214	36.183	26.609	9.055
52.0	22.322	36.274	25.096	8.919	102.0	18.381	36.420	26.266	9.030	152.0	16.202	36.180	26.610	9.058
53.0	22.294	36.276	25.106	8.917	103.0	18.312	36.413	26.278	9.029	153.0	16.187	36.178	26.612	9.059

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 LAT 28 21.56 LON 89 38.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	16.169	36.176	26.615	9.058	204.0	14.094	35.824	26.805	9.050	254.0	12.566	35.587	26.936	8.501
155.0	16.147	36.171	26.616	9.059	205.0	14.016	35.815	26.815	9.046	255.0	12.542	35.586	26.939	8.489
156.0	16.120	36.165	26.617	9.060	206.0	13.963	35.810	26.822	9.044	256.0	12.539	35.585	26.939	8.474
157.0	16.038	36.144	26.620	9.059	207.0	13.948	35.809	26.824	9.043	257.0	12.531	35.583	26.939	8.459
158.0	15.978	36.147	26.637	9.059	208.0	13.928	35.803	26.824	9.043	258.0	12.527	35.583	26.940	8.445
159.0	15.942	36.139	26.638	9.059	209.0	13.902	35.798	26.825	9.041	259.0	12.520	35.581	26.939	8.429
160.0	15.897	36.131	26.642	9.062	210.0	13.881	35.796	26.829	9.038	260.0	12.507	35.578	26.941	8.415
161.0	15.839	36.121	26.648	9.060	211.0	13.880	35.797	26.830	9.033	261.0	12.496	35.577	26.942	8.401
162.0	15.801	36.115	26.652	9.061	212.0	13.874	35.791	26.826	9.034	262.0	12.464	35.573	26.945	8.383
163.0	15.764	36.109	26.656	9.060	213.0	13.818	35.781	26.830	9.032	263.0	12.441	35.568	26.946	8.372
164.0	15.708	36.095	26.659	9.058	214.0	13.757	35.774	26.838	9.027	264.0	12.418	35.564	26.946	8.360
165.0	15.652	36.081	26.660	9.062	215.0	13.720	35.771	26.843	9.024	265.0	12.384	35.563	26.949	8.346
166.0	15.530	36.071	26.680	9.062	216.0	13.694	35.767	26.845	9.023	266.0	12.362	35.556	26.951	8.336
167.0	15.459	36.059	26.687	9.059	217.0	13.654	35.759	26.847	9.015	267.0	12.326	35.547	26.952	8.323
168.0	15.409	36.048	26.690	9.060	218.0	13.604	35.752	26.852	9.005	268.0	12.296	35.545	26.956	8.348
169.0	15.339	36.038	26.698	9.062	219.0	13.564	35.746	26.856	9.001	269.0	12.277	35.542	26.957	8.343
170.0	15.294	36.031	26.702	9.060	220.0	13.528	35.741	26.860	8.991	270.0	12.259	35.539	26.958	8.346
171.0	15.260	36.027	26.708	9.061	221.0	13.486	35.730	26.860	8.979	271.0	12.244	35.535	26.958	8.334
172.0	15.233	36.022	26.710	9.062	222.0	13.451	35.730	26.867	8.966	272.0	12.206	35.528	26.960	8.326
173.0	15.208	36.017	26.711	9.062	223.0	13.449	35.730	26.867	8.961	273.0	12.140	35.520	26.967	8.324
174.0	15.172	36.009	26.713	9.061	224.0	13.444	35.729	26.868	8.954	274.0	12.111	35.515	26.968	8.321
175.0	15.152	36.009	26.717	9.062	225.0	13.440	35.727	26.867	8.946	275.0	12.076	35.509	26.970	8.314
176.0	15.143	36.006	26.717	9.062	226.0	13.422	35.723	26.867	8.937	276.0	12.040	35.505	26.975	8.304
177.0	15.133	36.004	26.718	9.061	227.0	13.390	35.715	26.868	8.930	277.0	12.024	35.502	26.975	8.293
178.0	15.120	36.002	26.719	9.062	228.0	13.331	35.707	26.874	8.912	278.0	11.977	35.493	26.977	8.281
179.0	15.109	36.000	26.720	9.060	229.0	13.278	35.703	26.882	8.891	279.0	11.923	35.485	26.981	8.270
180.0	15.072	35.985	26.716	9.062	230.0	13.262	35.699	26.882	8.883	280.0	11.889	35.483	26.986	8.261
181.0	14.990	35.980	26.731	9.058	231.0	13.214	35.690	26.885	8.862	281.0	11.867	35.478	26.987	8.256
182.0	14.962	35.976	26.734	9.059	232.0	13.191	35.690	26.889	8.827	282.0	11.848	35.476	26.989	8.246
183.0	14.924	35.962	26.731	9.059	233.0	13.179	35.685	26.888	8.807	283.0	11.829	35.473	26.990	8.237
184.0	14.819	35.952	26.748	9.059	234.0	13.145	35.680	26.891	8.790	284.0	11.809	35.470	26.991	8.228
185.0	14.779	35.947	26.752	9.059	235.0	13.129	35.678	26.893	8.786	285.0	11.790	35.467	26.992	8.219
186.0	14.754	35.943	26.755	9.057	236.0	13.099	35.673	26.895	8.780	286.0	11.766	35.461	26.992	8.212
187.0	14.742	35.940	26.755	9.059	237.0	13.076	35.669	26.897	8.768	287.0	11.726	35.456	26.997	8.205
188.0	14.733	35.939	26.756	9.056	238.0	13.056	35.668	26.900	8.749	288.0	11.705	35.451	26.996	8.197
189.0	14.729	35.937	26.756	9.058	239.0	13.045	35.663	26.898	8.740	289.0	11.657	35.447	27.002	8.185
190.0	14.709	35.930	26.754	9.058	240.0	13.007	35.656	26.901	8.732	290.0	11.649	35.447	27.004	8.173
191.0	14.662	35.917	26.754	9.056	241.0	12.933	35.640	26.903	8.721	291.0	11.643	35.444	27.002	8.169
192.0	14.590	35.914	26.768	9.057	242.0	12.846	35.635	26.917	8.702	292.0	11.616	35.438	27.003	8.160
193.0	14.539	35.900	26.768	9.056	243.0	12.819	35.629	26.917	8.680	293.0	11.581	35.430	27.003	8.156
194.0	14.463	35.891	26.778	9.055	244.0	12.781	35.622	26.920	8.652	294.0	11.531	35.426	27.010	8.146
195.0	14.423	35.884	26.781	9.056	245.0	12.742	35.616	26.923	8.629	295.0	11.505	35.424	27.013	8.140
196.0	14.381	35.875	26.783	9.054	246.0	12.707	35.610	26.925	8.620	296.0	11.487	35.422	27.015	8.133
197.0	14.331	35.867	26.788	9.055	247.0	12.669	35.606	26.930	8.610	297.0	11.478	35.420	27.015	8.126
198.0	14.295	35.866	26.794	9.054	248.0	12.654	35.605	26.932	8.594	298.0	11.446	35.410	27.013	8.116
199.0	14.267	35.856	26.793	9.053	249.0	12.644	35.603	26.933	8.577	299.0	11.405	35.407	27.019	8.107
200.0	14.236	35.852	26.797	9.051	250.0	12.638	35.602	26.932	8.563	300.0	11.374	35.403	27.021	8.101
201.0	14.190	35.845	26.801	9.052	251.0	12.627	35.599	26.933	8.548	301.0	11.368	35.404	27.023	8.093
202.0	14.165	35.842	26.803	9.051	252.0	12.606	35.595	26.933	8.532	302.0	11.343	35.397	27.022	8.083
203.0	14.125	35.834	26.806	9.049	253.0	12.588	35.592	26.935	8.516	303.0	11.312	35.395	27.027	8.077

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DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
304.0	11.301	35.394	27.028	8.069	354.0	10.472	35.267	27.079	7.819	404.0	9.565	35.146	27.140	7.718
305.0	11.294	35.393	27.028	8.061	355.0	10.452	35.266	27.081	7.843	405.0	9.554	35.146	27.142	7.720
306.0	11.285	35.390	27.028	8.055	356.0	10.445	35.264	27.081	7.847	406.0	9.526	35.138	27.141	7.723
307.0	11.271	35.388	27.029	8.048	357.0	10.432	35.262	27.082	7.844	407.0	9.493	35.136	27.145	7.724
308.0	11.242	35.382	27.030	8.040	358.0	10.413	35.259	27.083	7.825	408.0	9.476	35.135	27.147	7.724
309.0	11.228	35.379	27.030	8.038	359.0	10.394	35.259	27.086	7.802	409.0	9.445	35.130	27.148	7.722
310.0	11.193	35.374	27.032	8.029	360.0	10.380	35.257	27.087	7.796	410.0	9.419	35.128	27.151	7.728
311.0	11.173	35.374	27.035	8.027	361.0	10.367	35.256	27.089	7.785	411.0	9.404	35.123	27.149	7.731
312.0	11.168	35.373	27.036	8.019	362.0	10.358	35.253	27.088	7.768	412.0	9.354	35.116	27.152	7.729
313.0	11.160	35.370	27.035	8.010	363.0	10.351	35.254	27.090	7.752	413.0	9.328	35.118	27.157	7.730
314.0	11.142	35.366	27.035	8.008	364.0	10.347	35.251	27.088	7.733	414.0	9.312	35.114	27.157	7.733
315.0	11.122	35.363	27.036	8.010	365.0	10.327	35.249	27.091	7.709	415.0	9.308	35.115	27.158	7.735
316.0	11.089	35.358	27.039	8.020	366.0	10.319	35.248	27.091	7.701	416.0	9.294	35.111	27.158	7.735
317.0	11.081	35.358	27.040	8.018	367.0	10.313	35.249	27.093	7.695	417.0	9.286	35.111	27.159	7.735
318.0	11.078	35.359	27.041	8.012	368.0	10.312	35.247	27.091	7.692	418.0	9.264	35.106	27.159	7.744
319.0	11.077	35.357	27.040	8.005	369.0	10.295	35.239	27.088	7.698	419.0	9.235	35.103	27.161	7.749
320.0	11.065	35.355	27.041	8.001	370.0	10.251	35.237	27.094	7.715	420.0	9.218	35.101	27.163	7.751
321.0	11.051	35.351	27.040	8.000	371.0	10.226	35.231	27.094	7.721	421.0	9.187	35.095	27.162	7.754
322.0	11.034	35.351	27.043	7.998	372.0	10.188	35.229	27.099	7.728	422.0	9.147	35.092	27.167	7.762
323.0	11.031	35.350	27.043	7.991	373.0	10.177	35.229	27.101	7.731	423.0	9.114	35.090	27.171	7.766
324.0	11.026	35.347	27.042	7.983	374.0	10.165	35.223	27.098	7.733	424.0	9.108	35.090	27.172	7.767
325.0	10.998	35.345	27.045	7.975	375.0	10.118	35.214	27.099	7.747	425.0	9.104	35.088	27.171	7.765
326.0	10.987	35.343	27.045	7.972	376.0	10.080	35.211	27.104	7.765	426.0	9.097	35.088	27.172	7.768
327.0	10.974	35.338	27.044	7.968	377.0	10.049	35.210	27.108	7.784	427.0	9.086	35.086	27.172	7.769
328.0	10.948	35.335	27.047	7.963	378.0	10.039	35.208	27.108	7.786	428.0	9.076	35.084	27.172	7.768
329.0	10.920	35.328	27.047	7.962	379.0	10.028	35.205	27.108	7.787	429.0	9.069	35.084	27.173	7.770
330.0	10.872	35.322	27.050	7.956	380.0	10.013	35.202	27.108	7.792	430.0	9.062	35.081	27.173	7.774
331.0	10.835	35.320	27.056	7.951	381.0	10.003	35.202	27.109	7.793	431.0	9.052	35.081	27.174	7.773
332.0	10.826	35.320	27.057	7.947	382.0	10.000	35.201	27.109	7.791	432.0	9.045	35.080	27.174	7.772
333.0	10.822	35.319	27.057	7.943	383.0	9.998	35.200	27.109	7.792	433.0	9.035	35.079	27.175	7.773
334.0	10.812	35.316	27.056	7.940	384.0	9.992	35.199	27.109	7.792	434.0	9.027	35.078	27.175	7.773
335.0	10.807	35.316	27.057	7.934	385.0	9.975	35.196	27.110	7.792	435.0	9.016	35.077	27.176	7.774
336.0	10.790	35.312	27.057	7.929	386.0	9.955	35.195	27.112	7.796	436.0	9.008	35.076	27.177	7.773
337.0	10.768	35.308	27.058	7.927	387.0	9.940	35.190	27.112	7.795	437.0	9.002	35.075	27.177	7.773
338.0	10.744	35.305	27.060	7.924	388.0	9.916	35.189	27.114	7.792	438.0	8.992	35.073	27.177	7.771
339.0	10.735	35.303	27.060	7.921	389.0	9.908	35.190	27.117	7.780	439.0	8.976	35.071	27.178	7.772
340.0	10.701	35.295	27.060	7.919	390.0	9.908	35.190	27.117	7.773	440.0	8.933	35.062	27.178	7.770
341.0	10.680	35.296	27.064	7.916	391.0	9.908	35.190	27.117	7.771	441.0	8.890	35.063	27.186	7.769
342.0	10.663	35.291	27.063	7.913	392.0	9.904	35.188	27.116	7.764	442.0	8.876	35.062	27.187	7.770
343.0	10.648	35.289	27.065	7.910	393.0	9.867	35.177	27.114	7.743	443.0	8.870	35.060	27.187	7.770
344.0	10.615	35.284	27.067	7.908	394.0	9.809	35.178	27.124	7.731	444.0	8.866	35.059	27.186	7.771
345.0	10.583	35.280	27.069	7.904	395.0	9.793	35.175	27.125	7.725	445.0	8.855	35.055	27.185	7.772
346.0	10.574	35.281	27.072	7.899	396.0	9.756	35.167	27.125	7.726	446.0	8.823	35.051	27.187	7.781
347.0	10.572	35.281	27.072	7.895	397.0	9.719	35.166	27.130	7.722	447.0	8.789	35.048	27.190	7.789
348.0	10.569	35.280	27.072	7.884	398.0	9.691	35.162	27.132	7.721	448.0	8.781	35.049	27.192	7.788
349.0	10.555	35.277	27.072	7.878	399.0	9.678	35.161	27.133	7.719	449.0	8.778	35.048	27.192	7.794
350.0	10.531	35.274	27.074	7.867	400.0	9.641	35.153	27.133	7.721	450.0	8.776	35.047	27.191	7.794
351.0	10.510	35.273	27.077	7.843	401.0	9.615	35.154	27.138	7.720	451.0	8.764	35.045	27.191	7.799
352.0	10.491	35.271	27.078	7.825	402.0	9.595	35.151	27.139	7.718	452.0	8.739	35.039	27.191	7.798
353.0	10.482	35.271	27.080	7.815	403.0	9.582	35.150	27.141	7.719	453.0	8.703	35.038	27.195	7.799

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 LAT 28 21.56 LON 89 38.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

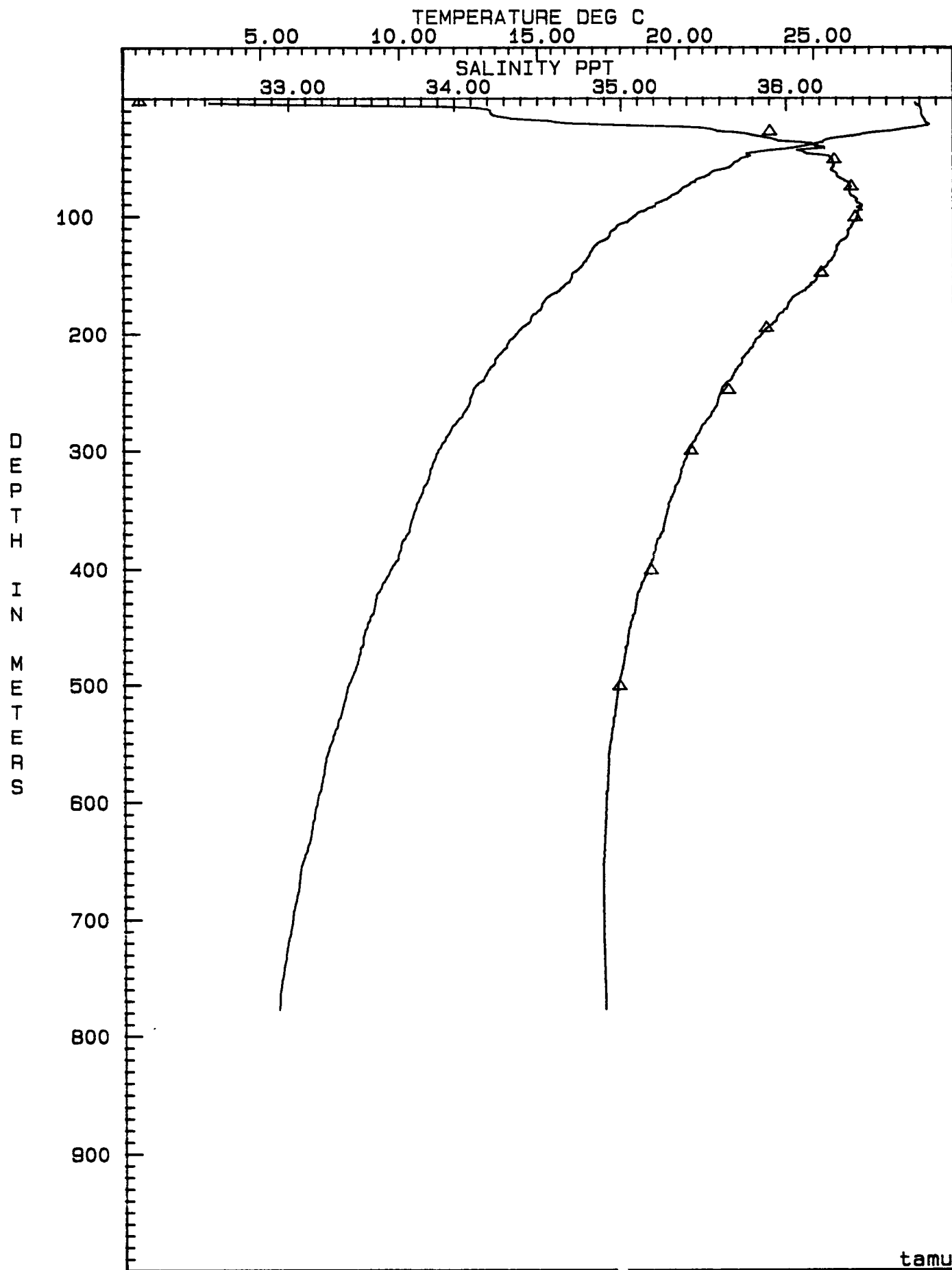
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
454.0	8.690	35.038	27.198	7.799	504.0	8.042	34.971	27.245	7.840	554.0	7.382	34.919	27.302	7.886
455.0	8.693	35.036	27.198	7.800	505.0	8.036	34.969	27.245	7.840	555.0	7.375	34.919	27.303	7.890
456.0	8.672	35.036	27.199	7.799	506.0	8.025	34.968	27.246	7.843	556.0	7.369	34.919	27.303	7.887
457.0	8.666	35.034	27.198	7.800	507.0	8.013	34.967	27.247	7.841	557.0	7.353	34.916	27.303	7.889
458.0	8.641	35.032	27.201	7.799	508.0	8.002	34.968	27.249	7.843	558.0	7.338	34.917	27.306	7.889
459.0	8.633	35.032	27.202	7.802	509.0	7.996	34.966	27.248	7.844	559.0	7.323	34.914	27.306	7.892
460.0	8.631	35.031	27.202	7.801	510.0	7.986	34.965	27.249	7.845	560.0	7.307	34.913	27.308	7.893
461.0	8.629	35.031	27.202	7.802	511.0	7.980	34.964	27.249	7.848	561.0	7.294	34.912	27.308	7.892
462.0	8.627	35.031	27.202	7.802	512.0	7.972	34.964	27.250	7.846	562.0	7.276	34.913	27.312	7.887
463.0	8.624	35.030	27.202	7.805	513.0	7.955	34.962	27.251	7.846	563.0	7.271	34.915	27.314	7.869
464.0	8.623	35.030	27.202	7.803	514.0	7.938	34.961	27.253	7.849	564.0	7.269	34.916	27.315	7.849
465.0	8.619	35.029	27.201	7.802	515.0	7.930	34.960	27.254	7.851	565.0	7.265	34.915	27.315	7.841
466.0	8.608	35.027	27.202	7.804	516.0	7.916	34.959	27.254	7.849	566.0	7.253	34.914	27.316	7.846
467.0	8.594	35.024	27.202	7.805	517.0	7.910	34.960	27.256	7.849	567.0	7.239	34.913	27.317	7.850
468.0	8.551	35.016	27.202	7.809	518.0	7.902	34.957	27.255	7.852	568.0	7.232	34.914	27.319	7.853
469.0	8.526	35.019	27.209	7.810	519.0	7.886	34.957	27.258	7.851	569.0	7.227	34.914	27.319	7.833
470.0	8.526	35.019	27.208	7.812	520.0	7.877	34.957	27.259	7.853	570.0	7.222	34.912	27.318	7.838
471.0	8.525	35.018	27.208	7.812	521.0	7.867	34.955	27.259	7.855	571.0	7.216	34.912	27.320	7.846
472.0	8.524	35.019	27.209	7.811	522.0	7.854	34.954	27.260	7.857	572.0	7.207	34.911	27.320	7.856
473.0	8.521	35.016	27.207	7.812	523.0	7.846	34.954	27.261	7.860	573.0	7.200	34.912	27.322	7.863
474.0	8.500	35.013	27.208	7.814	524.0	7.839	34.953	27.261	7.859	574.0	7.192	34.910	27.322	7.860
475.0	8.476	35.013	27.212	7.814	525.0	7.826	34.952	27.262	7.858	575.0	7.191	34.912	27.323	7.843
476.0	8.470	35.011	27.211	7.815	526.0	7.808	34.993	27.266	7.860	576.0	7.191	34.911	27.322	7.843
477.0	8.459	35.010	27.212	7.819	527.0	7.802	34.951	27.265	7.860	577.0	7.180	34.909	27.322	7.851
478.0	8.452	35.009	27.212	7.818	528.0	7.796	34.947	27.263	7.862	578.0	7.165	34.907	27.323	7.852
479.0	8.441	35.008	27.213	7.819	529.0	7.755	34.943	27.265	7.862	579.0	7.153	34.909	27.326	7.848
480.0	8.423	35.007	27.215	7.820	530.0	7.726	34.945	27.272	7.863	580.0	7.141	34.908	27.327	7.849
481.0	8.415	35.007	27.217	7.818	531.0	7.717	34.944	27.272	7.863	581.0	7.139	34.910	27.328	7.851
482.0	8.410	35.004	27.215	7.818	532.0	7.712	34.944	27.273	7.865	582.0	7.134	34.909	27.329	7.849
483.0	8.394	35.004	27.217	7.821	533.0	7.705	34.943	27.273	7.867	583.0	7.129	34.908	27.329	7.847
484.0	8.380	34.999	27.216	7.824	534.0	7.696	34.942	27.274	7.867	584.0	7.111	34.906	27.329	7.842
485.0	8.356	34.999	27.219	7.824	535.0	7.691	34.942	27.274	7.869	585.0	7.102	34.908	27.332	7.844
486.0	8.346	35.000	27.222	7.823	536.0	7.682	34.939	27.273	7.867	586.0	7.101	34.907	27.332	7.840
487.0	8.336	34.997	27.221	7.826	537.0	7.655	34.936	27.275	7.869	587.0	7.086	34.907	27.333	7.840
488.0	8.319	34.995	27.221	7.825	538.0	7.620	34.936	27.280	7.871	588.0	7.079	34.907	27.335	7.843
489.0	8.301	34.993	27.223	7.826	539.0	7.597	34.935	27.283	7.871	589.0	7.078	34.906	27.334	7.840
490.0	8.283	34.992	27.225	7.829	540.0	7.589	34.935	27.284	7.873	590.0	7.073	34.907	27.335	7.841
491.0	8.266	34.989	27.225	7.827	541.0	7.582	34.933	27.283	7.874	591.0	7.051	34.901	27.334	7.838
492.0	8.247	34.989	27.228	7.829	542.0	7.569	34.932	27.284	7.875	592.0	7.024	34.902	27.339	7.851
493.0	8.231	34.987	27.229	7.829	543.0	7.545	34.930	27.286	7.874	593.0	7.010	34.897	27.337	7.883
494.0	8.209	34.983	27.229	7.832	544.0	7.530	34.932	27.290	7.879	594.0	6.988	34.901	27.343	7.891
495.0	8.193	34.984	27.233	7.830	545.0	7.527	34.931	27.290	7.877	595.0	6.988	34.901	27.343	7.864
496.0	8.178	34.981	27.232	7.831	546.0	7.521	34.930	27.290	7.879	596.0	6.981	34.902	27.345	7.853
497.0	8.163	34.980	27.234	7.833	547.0	7.515	34.929	27.290	7.879	597.0	6.971	34.900	27.344	7.868
498.0	8.145	34.978	27.235	7.833	548.0	7.501	34.926	27.290	7.881	598.0	6.959	34.899	27.345	7.877
499.0	8.118	34.974	27.236	7.836	549.0	7.479	34.926	27.293	7.883	599.0	6.950	34.899	27.346	7.871
500.0	8.095	34.973	27.239	7.834	550.0	7.459	34.923	27.294	7.883	600.0	6.945	34.898	27.346	7.858
501.0	8.081	34.972	27.240	7.839	551.0	7.442	34.922	27.295	7.882	601.0	6.937	34.898	27.347	7.855
502.0	8.057	34.971	27.243	7.840	552.0	7.422	34.922	27.298	7.884	602.0	6.934	34.899	27.349	7.838
503.0	8.045	34.971	27.245	7.837	553.0	7.401	34.920	27.299	7.888	603.0	6.927	34.898	27.349	7.814

STATION SB102.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 12:28:38 1990, Julian day = 203
 LAT 28 21.56 LON 89 38.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
604.0	6.903	34.897	27.351	7.816	654.0	6.376	34.881	27.410	7.977	704.0	6.035	34.883	27.456	8.039
605.0	6.885	34.896	27.354	7.843	655.0	6.363	34.881	27.412	7.978	705.0	6.025	34.884	27.458	8.038
606.0	6.873	34.899	27.357	7.852	656.0	6.357	34.882	27.413	7.981	706.0	6.017	34.884	27.459	8.041
607.0	6.872	34.898	27.356	7.855	657.0	6.355	34.881	27.413	7.978	707.0	6.013	34.884	27.459	8.043
608.0	6.870	34.896	27.355	7.856	658.0	6.351	34.882	27.414	7.980	708.0	6.002	34.884	27.461	8.046
609.0	6.858	34.895	27.356	7.861	659.0	6.340	34.882	27.416	7.981	709.0	5.997	34.883	27.461	8.046
610.0	6.852	34.896	27.358	7.856	660.0	6.336	34.881	27.416	7.984	710.0	5.989	34.883	27.462	8.048
611.0	6.849	34.897	27.359	7.832	661.0	6.328	34.881	27.417	7.983	711.0	5.978	34.884	27.464	8.050
612.0	6.845	34.898	27.360	7.823	662.0	6.321	34.882	27.418	7.985	712.0	5.975	34.884	27.464	8.047
613.0	6.840	34.897	27.360	7.814	663.0	6.319	34.882	27.419	7.986	713.0	5.971	34.884	27.465	8.052
614.0	6.836	34.897	27.360	7.815	664.0	6.318	34.883	27.419	7.983	714.0	5.961	34.883	27.466	8.053
615.0	6.817	34.894	27.361	7.821	665.0	6.315	34.882	27.419	7.988	715.0	5.946	34.882	27.467	8.057
616.0	6.801	34.895	27.364	7.823	666.0	6.305	34.881	27.419	7.990	716.0	5.925	34.883	27.470	8.057
617.0	6.783	34.893	27.364	7.828	667.0	6.299	34.882	27.421	7.987	717.0	5.918	34.885	27.472	8.053
618.0	6.773	34.894	27.367	7.834	668.0	6.297	34.883	27.422	7.991	718.0	5.916	34.884	27.472	8.061
619.0	6.769	34.895	27.368	7.836	669.0	6.292	34.882	27.422	7.993	719.0	5.903	34.884	27.474	8.063
620.0	6.770	34.894	27.367	7.838	670.0	6.288	34.882	27.422	7.995	720.0	5.894	34.884	27.475	8.062
621.0	6.765	34.893	27.367	7.841	671.0	6.283	34.881	27.423	7.994	721.0	5.887	34.885	27.477	8.063
622.0	6.759	34.893	27.368	7.842	672.0	6.280	34.882	27.424	7.994	722.0	5.885	34.886	27.478	8.066
623.0	6.753	34.893	27.368	7.842	673.0	6.275	34.882	27.424	7.998	723.0	5.876	34.885	27.478	8.066
624.0	6.742	34.891	27.369	7.849	674.0	6.273	34.882	27.424	7.998	724.0	5.862	34.885	27.480	8.068
625.0	6.735	34.892	27.371	7.847	675.0	6.270	34.880	27.424	8.001	725.0	5.858	34.886	27.481	8.067
626.0	6.729	34.893	27.372	7.847	676.0	6.260	34.882	27.426	8.002	726.0	5.854	34.886	27.482	8.072
627.0	6.727	34.892	27.372	7.855	677.0	6.243	34.882	27.428	8.001	727.0	5.846	34.886	27.482	8.073
628.0	6.722	34.891	27.371	7.863	678.0	6.231	34.882	27.430	8.004	728.0	5.838	34.886	27.483	8.074
629.0	6.712	34.888	27.370	7.864	679.0	6.218	34.882	27.431	8.004	729.0	5.830	34.885	27.484	8.078
630.0	6.703	34.891	27.374	7.849	680.0	6.211	34.882	27.432	8.006	730.0	5.822	34.887	27.486	8.077
631.0	6.697	34.890	27.375	7.846	681.0	6.205	34.882	27.433	8.007	731.0	5.819	34.887	27.487	8.078
632.0	6.689	34.890	27.375	7.844	682.0	6.200	34.882	27.434	8.009	732.0	5.818	34.887	27.487	8.080
633.0	6.677	34.890	27.377	7.842	683.0	6.192	34.882	27.435	8.011	733.0	5.817	34.887	27.487	8.081
634.0	6.667	34.889	27.377	7.844	684.0	6.186	34.882	27.436	8.013	734.0	5.816	34.886	27.486	8.085
635.0	6.657	34.889	27.379	7.847	685.0	6.172	34.881	27.437	8.015	735.0	5.805	34.886	27.488	8.085
636.0	6.632	34.886	27.380	7.845	686.0	6.160	34.882	27.439	8.014	736.0	5.795	34.886	27.489	8.087
637.0	6.610	34.888	27.384	7.851	687.0	6.152	34.881	27.439	8.014	737.0	5.789	34.887	27.491	8.088
638.0	6.602	34.888	27.385	7.848	688.0	6.139	34.884	27.443	8.017	738.0	5.786	34.886	27.490	8.089
639.0	6.587	34.887	27.386	7.847	689.0	6.135	34.883	27.443	8.018	739.0	5.771	34.886	27.492	8.093
640.0	6.580	34.888	27.388	7.852	690.0	6.123	34.881	27.443	8.020	740.0	5.758	34.888	27.495	8.092
641.0	6.576	34.889	27.389	7.843	691.0	6.111	34.883	27.447	8.019	741.0	5.748	34.889	27.497	8.093
642.0	6.566	34.885	27.388	7.856	692.0	6.099	34.884	27.449	8.021	742.0	5.743	34.890	27.498	8.096
643.0	6.546	34.884	27.390	7.869	693.0	6.090	34.881	27.447	8.023	743.0	5.742	34.889	27.498	8.097
644.0	6.516	34.884	27.394	7.879	694.0	6.080	34.882	27.449	8.025	744.0	5.738	34.889	27.498	8.100
645.0	6.498	34.886	27.398	7.886	695.0	6.074	34.884	27.452	8.027	745.0	5.732	34.889	27.499	8.103
646.0	6.494	34.886	27.398	7.891	696.0	6.073	34.883	27.451	8.026	746.0	5.727	34.889	27.500	8.102
647.0	6.488	34.885	27.398	7.897	697.0	6.071	34.883	27.452	8.028	747.0	5.722	34.889	27.500	8.101
648.0	6.463	34.883	27.400	7.922	698.0	6.068	34.884	27.452	8.029	748.0	5.718	34.890	27.502	8.105
649.0	6.453	34.883	27.401	7.932	699.0	6.065	34.883	27.452	8.031	749.0	5.710	34.889	27.502	8.107
650.0	6.435	34.882	27.403	7.950	700.0	6.057	34.882	27.453	8.032	750.0	5.703	34.891	27.504	8.109
651.0	6.417	34.884	27.406	7.967	701.0	6.046	34.884	27.455	8.034	751.0	5.692	34.887	27.503	8.111
652.0	6.406	34.882	27.407	7.972	702.0	6.044	34.884	27.455	8.035	752.0	5.674	34.891	27.508	8.112
653.0	6.394	34.879	27.406	7.977	703.0	6.043	34.884	27.456	8.037	753.0	5.667	34.892	27.509	8.114

STATION SB102.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 12:28:38 1990, Julian day = 203
LAT 28 21.56 LON 89 38.05 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
754.0	5.667	34.891	27.509	8.115										
755.0	5.660	34.892	27.510	8.113										
756.0	5.658	34.892	27.510	8.114										
757.0	5.654	34.892	27.511	8.118										
758.0	5.650	34.891	27.511	8.120										
759.0	5.639	34.892	27.513	8.123										
760.0	5.630	34.892	27.514	8.124										
761.0	5.621	34.892	27.515	8.127										
762.0	5.613	34.893	27.517	8.130										
763.0	5.609	34.893	27.517	8.129										
764.0	5.608	34.893	27.518	8.130										
765.0	5.607	34.893	27.518	8.133										
766.0	5.607	34.893	27.518	8.136										
767.0	5.606	34.893	27.518	8.137										
768.0	5.604	34.893	27.518	8.130										
769.0	5.601	34.894	27.519	8.132										
770.0	5.602	34.894	27.519	8.133										
771.0	5.602	34.893	27.518	8.127										
772.0	5.601	34.894	27.519	8.125										
773.0	5.600	34.893	27.519	8.114										
774.0	5.597	34.893	27.519	8.096										
775.0	5.586	34.894	27.521	8.124										
776.0	5.578	34.893	27.521	8.144										
777.0	5.575	34.894	27.523	8.146										



tamu

CRUISE: 90g10 STATION: SB102.PL DATE: Jul 22 12: 28: 38 1990
LATITUDE: 28 21.56 LONGITUDE: 89 38.05
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB103.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 13:55:19 1990, Julian day = 203

LAT 28 26.50 LON 89 42.11 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	28.982	29.296	17.796	8.380	54.0	22.412	36.133	24.964	8.784	104.0	17.165	36.280	26.458	8.965
5.0	28.983	30.895	18.993	8.572	55.0	22.219	36.161	25.040	8.809	105.0	17.093	36.276	26.473	8.979
6.0	29.015	32.802	20.412	8.686	56.0	22.179	36.159	25.050	8.808	106.0	17.041	36.271	26.481	8.991
7.0	29.064	34.071	21.348	8.812	57.0	22.144	36.166	25.065	8.805	107.0	17.017	36.270	26.486	9.000
8.0	29.091	34.404	21.588	8.859	58.0	21.998	36.181	25.118	8.814	108.0	17.006	36.267	26.487	8.998
9.0	29.057	34.480	21.657	8.876	59.0	21.854	36.184	25.161	8.834	109.0	16.988	36.263	26.488	9.002
10.0	29.047	34.501	21.676	8.880	60.0	21.797	36.190	25.182	8.855	110.0	16.952	36.257	26.493	9.000
11.0	29.052	34.516	21.686	8.886	61.0	21.660	36.200	25.227	8.878	111.0	16.905	36.251	26.499	9.001
12.0	29.057	34.526	21.692	8.886	62.0	21.539	36.211	25.269	8.879	112.0	16.854	36.242	26.504	9.004
13.0	29.006	34.522	21.705	8.883	63.0	21.406	36.220	25.313	8.871	113.0	16.799	36.239	26.515	9.009
14.0	28.993	34.545	21.727	8.885	64.0	21.260	36.236	25.365	8.845	114.0	16.743	36.230	26.521	9.011
15.0	29.014	34.626	21.781	8.881	65.0	21.198	36.242	25.387	8.841	115.0	16.691	36.224	26.529	9.016
16.0	29.061	34.781	21.882	8.879	66.0	21.146	36.244	25.403	8.840	116.0	16.627	36.218	26.539	9.021
17.0	29.220	35.142	22.099	8.892	67.0	20.931	36.271	25.483	8.804	117.0	16.592	36.216	26.547	9.024
18.0	29.192	35.205	22.156	8.894	68.0	20.733	36.293	25.552	8.761	118.0	16.558	36.209	26.548	9.024
19.0	29.158	35.257	22.206	8.891	69.0	20.619	36.302	25.591	8.693	119.0	16.537	36.209	26.554	9.029
20.0	29.133	35.271	22.225	8.897	70.0	20.578	36.305	25.604	8.665	120.0	16.495	36.197	26.554	9.032
21.0	29.087	35.289	22.255	8.892	71.0	20.503	36.303	25.623	8.647	121.0	16.466	36.198	26.562	9.034
22.0	29.004	35.359	22.335	8.887	72.0	20.417	36.327	25.664	8.656	122.0	16.424	36.188	26.563	9.034
23.0	28.941	35.445	22.421	8.881	73.0	20.398	36.328	25.670	8.677	123.0	16.375	36.186	26.574	9.032
24.0	28.840	35.507	22.501	8.867	74.0	20.308	36.322	25.689	8.702	124.0	16.360	36.183	26.575	9.028
25.0	28.627	35.557	22.609	8.847	75.0	20.215	36.320	25.713	8.731	125.0	16.333	36.177	26.577	9.029
26.0	28.516	35.557	22.646	8.830	76.0	20.112	36.315	25.737	8.775	126.0	16.309	36.175	26.581	9.028
27.0	28.294	35.555	22.718	8.812	77.0	20.057	36.320	25.756	8.759	127.0	16.266	36.166	26.584	9.029
28.0	28.089	35.586	22.808	8.791	78.0	19.974	36.325	25.781	8.731	128.0	16.211	36.157	26.590	9.028
29.0	27.648	35.625	22.982	8.756	79.0	19.868	36.327	25.811	8.758	129.0	16.148	36.156	26.604	9.029
30.0	27.564	35.646	23.025	8.749	80.0	19.781	36.336	25.841	8.786	130.0	16.111	36.151	26.609	9.032
31.0	27.223	35.720	23.191	8.786	81.0	19.656	36.332	25.871	8.837	131.0	16.090	36.146	26.610	9.032
32.0	26.937	35.766	23.318	8.821	82.0	19.522	36.341	25.913	8.885	132.0	16.053	36.133	26.609	9.028
33.0	26.802	35.773	23.365	8.824	83.0	19.424	36.342	25.938	8.883	133.0	15.948	36.123	26.625	9.024
34.0	26.372	35.798	23.521	8.815	84.0	19.237	36.341	25.987	8.869	134.0	15.918	36.122	26.631	9.024
35.0	25.953	35.871	23.707	8.809	85.0	19.050	36.352	26.043	8.863	135.0	15.879	36.117	26.636	9.033
36.0	25.665	35.916	23.831	8.817	86.0	18.902	36.352	26.081	8.869	136.0	15.848	36.117	26.643	9.041
37.0	25.536	35.934	23.885	8.824	87.0	18.710	36.366	26.141	8.820	137.0	15.830	36.117	26.647	9.047
38.0	25.439	35.950	23.926	8.824	88.0	18.678	36.368	26.151	8.836	138.0	15.823	36.113	26.646	9.050
39.0	25.195	35.973	24.019	8.828	89.0	18.620	36.373	26.170	8.893	139.0	15.779	36.102	26.647	9.053
40.0	24.800	36.047	24.196	8.822	90.0	18.590	36.380	26.182	8.920	140.0	15.726	36.096	26.655	9.052
41.0	24.635	36.072	24.265	8.800	91.0	18.548	36.382	26.195	8.931	141.0	15.643	36.084	26.665	9.054
42.0	24.521	36.066	24.295	8.790	92.0	18.472	36.380	26.212	8.954	142.0	15.612	36.084	26.672	9.055
43.0	24.034	36.062	24.437	8.783	93.0	18.326	36.373	26.244	8.959	143.0	15.602	36.082	26.672	9.057
44.0	23.752	36.054	24.515	8.777	94.0	18.210	36.368	26.269	8.954	144.0	15.596	36.080	26.672	9.054
45.0	23.471	36.056	24.599	8.763	95.0	18.099	36.361	26.292	8.967	145.0	15.548	36.065	26.672	9.057
46.0	23.237	36.062	24.672	8.740	96.0	17.880	36.350	26.337	8.983	146.0	15.489	36.061	26.682	9.055
47.0	22.994	36.065	24.745	8.744	97.0	17.776	36.350	26.363	8.994	147.0	15.450	36.055	26.686	9.056
48.0	22.854	36.089	24.803	8.733	98.0	17.745	36.346	26.368	8.993	148.0	15.404	36.044	26.688	9.056
49.0	22.804	36.103	24.829	8.765	99.0	17.676	36.335	26.376	8.991	149.0	15.327	36.032	26.696	9.054
50.0	22.726	36.106	24.854	8.771	100.0	17.554	36.317	26.393	8.985	150.0	15.254	36.018	26.702	9.053
51.0	22.710	36.116	24.865	8.758	101.0	17.375	36.301	26.424	8.967	151.0	15.174	36.013	26.716	9.053
52.0	22.687	36.118	24.874	8.763	102.0	17.284	36.300	26.445	8.944	152.0	15.158	36.009	26.716	9.053
53.0	22.619	36.129	24.901	8.757	103.0	17.235	36.288	26.448	8.950	153.0	15.122	36.001	26.718	9.053

STATION SB103.PLT:: CRUISE 90g10 DATE & TIME Sun Jul 22 13:55:19 1990, Julian day = 203
 LAT 28 26.50 LON 89 42.11 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

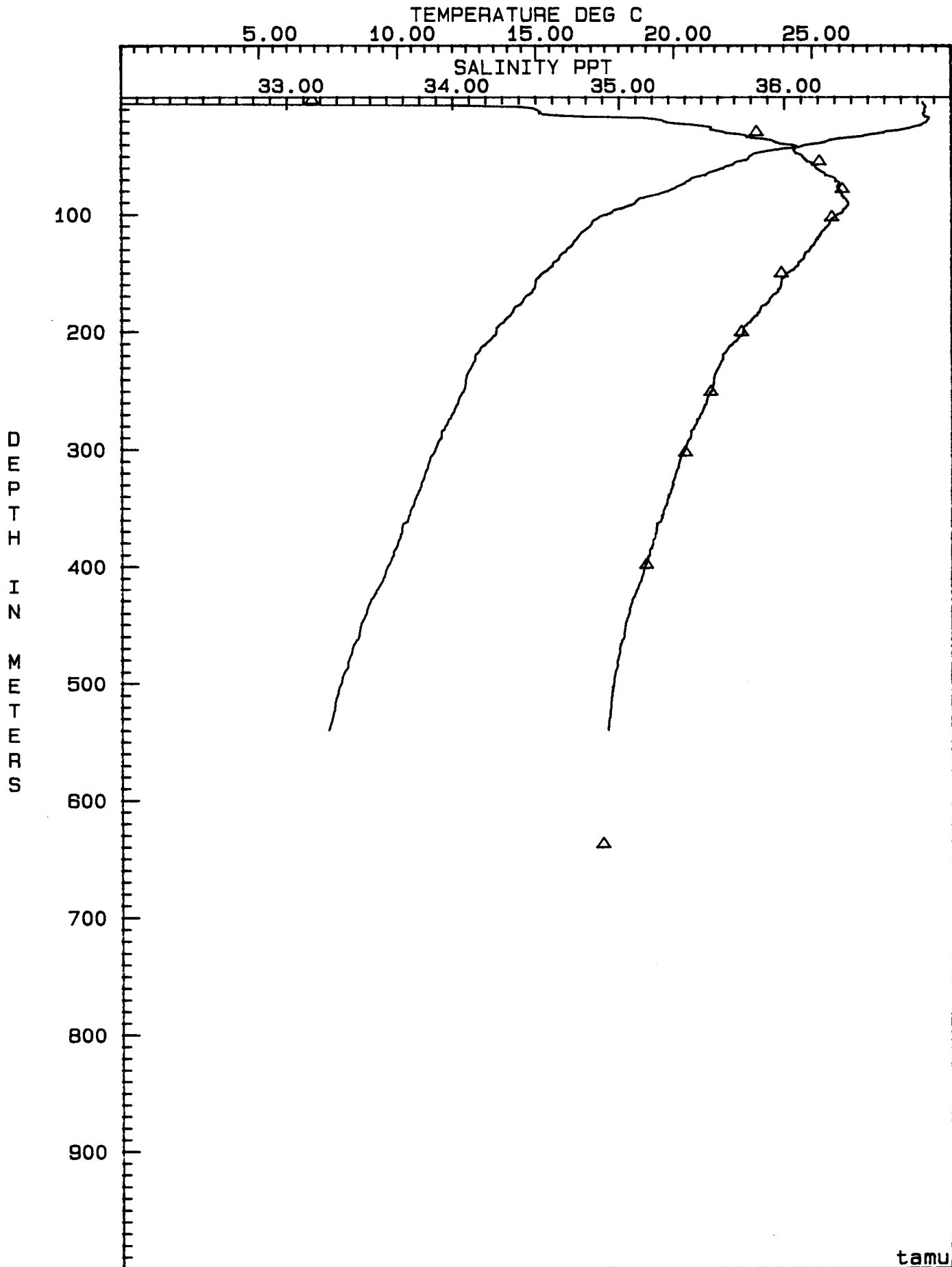
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	15.091	35.993	26.719	9.054	204.0	13.456	35.728	26.864	8.558	254.0	12.264	35.537	26.956	7.708
155.0	15.022	35.983	26.726	9.052	205.0	13.430	35.725	26.867	8.535	255.0	12.236	35.535	26.959	7.664
156.0	14.990	35.982	26.733	9.047	206.0	13.384	35.718	26.872	8.524	256.0	12.222	35.533	26.961	7.637
157.0	14.987	35.982	26.733	9.049	207.0	13.351	35.714	26.875	8.515	257.0	12.210	35.531	26.962	7.613
158.0	14.980	35.979	26.733	9.048	208.0	13.302	35.705	26.879	8.495	258.0	12.193	35.528	26.963	7.595
159.0	14.977	35.980	26.733	9.048	209.0	13.243	35.693	26.881	8.493	259.0	12.180	35.527	26.965	7.576
160.0	14.973	35.978	26.733	9.043	210.0	13.197	35.689	26.887	8.490	260.0	12.175	35.526	26.965	7.558
161.0	14.967	35.976	26.733	9.042	211.0	13.160	35.679	26.887	8.475	261.0	12.162	35.524	26.966	7.545
162.0	14.961	35.975	26.733	9.044	212.0	13.080	35.669	26.896	8.450	262.0	12.127	35.515	26.966	7.526
163.0	14.953	35.974	26.734	9.043	213.0	13.026	35.662	26.902	8.425	263.0	12.098	35.515	26.970	7.500
164.0	14.909	35.960	26.733	9.039	214.0	12.992	35.658	26.905	8.407	264.0	12.089	35.513	26.971	7.486
165.0	14.874	35.962	26.743	9.035	215.0	12.983	35.655	26.905	8.391	265.0	12.062	35.507	26.971	7.470
166.0	14.866	35.960	26.743	9.029	216.0	12.960	35.650	26.905	8.379	266.0	12.047	35.507	26.975	7.471
167.0	14.850	35.952	26.740	9.025	217.0	12.927	35.645	26.908	8.368	267.0	12.039	35.505	26.974	7.472
168.0	14.789	35.945	26.748	9.024	218.0	12.898	35.639	26.909	8.353	268.0	12.019	35.499	26.974	7.486
169.0	14.728	35.928	26.748	9.022	219.0	12.830	35.627	26.914	8.341	269.0	11.993	35.497	26.977	7.509
170.0	14.645	35.925	26.764	9.020	220.0	12.809	35.628	26.918	8.327	270.0	11.962	35.490	26.977	7.538
171.0	14.613	35.919	26.766	9.018	221.0	12.806	35.627	26.918	8.305	271.0	11.935	35.487	26.980	7.550
172.0	14.570	35.912	26.771	9.014	222.0	12.805	35.626	26.918	8.284	272.0	11.919	35.485	26.982	7.550
173.0	14.550	35.909	26.773	9.014	223.0	12.805	35.626	26.918	8.266	273.0	11.910	35.482	26.981	7.551
174.0	14.532	35.907	26.774	9.013	224.0	12.796	35.623	26.917	8.246	274.0	11.852	35.471	26.984	7.537
175.0	14.514	35.902	26.775	9.015	225.0	12.767	35.616	26.918	8.215	275.0	11.831	35.471	26.988	7.514
176.0	14.479	35.895	26.777	9.006	226.0	12.735	35.614	26.923	8.186	276.0	11.814	35.467	26.989	7.493
177.0	14.432	35.887	26.781	9.005	227.0	12.719	35.611	26.924	8.165	277.0	11.795	35.467	26.992	7.487
178.0	14.357	35.868	26.783	8.997	228.0	12.701	35.606	26.923	8.145	278.0	11.784	35.464	26.991	7.495
179.0	14.263	35.857	26.794	8.964	229.0	12.673	35.605	26.928	8.124	279.0	11.763	35.459	26.992	7.485
180.0	14.214	35.856	26.804	8.937	230.0	12.652	35.600	26.928	8.109	280.0	11.723	35.453	26.995	7.489
181.0	14.199	35.853	26.805	8.922	231.0	12.623	35.596	26.931	8.097	281.0	11.700	35.451	26.997	7.499
182.0	14.185	35.851	26.806	8.904	232.0	12.600	35.592	26.932	8.076	282.0	11.690	35.450	26.999	7.503
183.0	14.176	35.848	26.806	8.890	233.0	12.567	35.586	26.935	8.055	283.0	11.666	35.441	26.996	7.506
184.0	14.138	35.838	26.807	8.866	234.0	12.545	35.585	26.938	8.039	284.0	11.601	35.433	27.002	7.530
185.0	14.106	35.837	26.813	8.843	235.0	12.525	35.581	26.938	8.015	285.0	11.582	35.435	27.007	7.535
186.0	14.089	35.833	26.813	8.834	236.0	12.506	35.577	26.940	7.994	286.0	11.580	35.432	27.005	7.534
187.0	14.018	35.818	26.816	8.829	237.0	12.489	35.576	26.942	7.985	287.0	11.576	35.433	27.007	7.538
188.0	13.969	35.815	26.824	8.833	238.0	12.479	35.573	26.942	7.972	288.0	11.576	35.432	27.005	7.539
189.0	13.934	35.804	26.823	8.829	239.0	12.469	35.572	26.943	7.960	289.0	11.570	35.430	27.005	7.541
190.0	13.890	35.802	26.831	8.819	240.0	12.461	35.572	26.944	7.946	290.0	11.565	35.430	27.007	7.539
191.0	13.859	35.795	26.832	8.815	241.0	12.460	35.571	26.944	7.931	291.0	11.541	35.422	27.005	7.544
192.0	13.831	35.792	26.836	8.808	242.0	12.462	35.572	26.944	7.911	292.0	11.504	35.418	27.008	7.553
193.0	13.756	35.775	26.839	8.783	243.0	12.457	35.571	26.944	7.893	293.0	11.472	35.411	27.010	7.560
194.0	13.706	35.774	26.848	8.766	244.0	12.450	35.569	26.944	7.873	294.0	11.441	35.409	27.014	7.562
195.0	13.667	35.763	26.848	8.746	245.0	12.442	35.567	26.944	7.850	295.0	11.433	35.408	27.014	7.558
196.0	13.623	35.756	26.852	8.729	246.0	12.432	35.567	26.946	7.838	296.0	11.425	35.406	27.014	7.558
197.0	13.581	35.753	26.858	8.716	247.0	12.428	35.565	26.946	7.827	297.0	11.402	35.401	27.014	7.558
198.0	13.576	35.753	26.859	8.696	248.0	12.416	35.563	26.947	7.804	298.0	11.375	35.397	27.016	7.558
199.0	13.573	35.751	26.858	8.675	249.0	12.394	35.560	26.948	7.757	299.0	11.363	35.397	27.019	7.558
200.0	13.570	35.751	26.858	8.658	250.0	12.382	35.555	26.947	7.723	300.0	11.349	35.395	27.020	7.555
201.0	13.566	35.750	26.859	8.643	251.0	12.336	35.548	26.950	7.706	301.0	11.340	35.393	27.020	7.554
202.0	13.555	35.747	26.859	8.622	252.0	12.316	35.547	26.953	7.680	302.0	11.311	35.388	27.021	7.553
203.0	13.529	35.741	26.859	8.597	253.0	12.292	35.542	26.955	7.707	303.0	11.294	35.385	27.022	7.549

STATION SB103.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 13:55:19 1990, Julian day = 203
 LAT 28 26.50 LON 89 42.11 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
304.0	11.262	35.377	27.022	7.542	354.0	10.424	35.263	27.084	7.511	404.0	9.529	35.142	27.143	7.566
305.0	11.229	35.377	27.028	7.542	355.0	10.420	35.261	27.084	7.512	405.0	9.525	35.142	27.144	7.569
306.0	11.191	35.368	27.027	7.546	356.0	10.387	35.253	27.083	7.506	406.0	9.521	35.139	27.143	7.572
307.0	11.164	35.369	27.033	7.549	357.0	10.370	35.257	27.089	7.500	407.0	9.505	35.138	27.144	7.577
308.0	11.158	35.366	27.032	7.543	358.0	10.369	35.256	27.088	7.500	408.0	9.494	35.135	27.144	7.578
309.0	11.151	35.364	27.032	7.548	359.0	10.357	35.251	27.086	7.502	409.0	9.467	35.132	27.145	7.578
310.0	11.131	35.361	27.034	7.548	360.0	10.344	35.251	27.089	7.499	410.0	9.446	35.130	27.148	7.580
311.0	11.120	35.361	27.035	7.544	361.0	10.335	35.247	27.088	7.501	411.0	9.434	35.130	27.149	7.581
312.0	11.108	35.358	27.035	7.544	362.0	10.283	35.237	27.088	7.511	412.0	9.414	35.126	27.150	7.585
313.0	11.088	35.356	27.038	7.546	363.0	10.186	35.224	27.095	7.533	413.0	9.392	35.124	27.151	7.588
314.0	11.081	35.355	27.038	7.536	364.0	10.162	35.226	27.102	7.538	414.0	9.369	35.119	27.152	7.588
315.0	11.079	35.356	27.039	7.539	365.0	10.152	35.224	27.101	7.539	415.0	9.343	35.116	27.154	7.595
316.0	11.065	35.352	27.038	7.534	366.0	10.142	35.222	27.102	7.537	416.0	9.323	35.114	27.156	7.598
317.0	11.046	35.349	27.040	7.534	367.0	10.132	35.222	27.103	7.532	417.0	9.303	35.111	27.156	7.600
318.0	11.018	35.344	27.041	7.539	368.0	10.131	35.222	27.104	7.535	418.0	9.274	35.109	27.159	7.598
319.0	10.997	35.343	27.044	7.541	369.0	10.128	35.221	27.103	7.534	419.0	9.259	35.107	27.160	7.601
320.0	10.979	35.339	27.044	7.539	370.0	10.125	35.221	27.103	7.533	420.0	9.223	35.102	27.162	7.601
321.0	10.964	35.336	27.044	7.540	371.0	10.123	35.220	27.103	7.532	421.0	9.188	35.099	27.165	7.604
322.0	10.954	35.336	27.046	7.546	372.0	10.111	35.215	27.101	7.524	422.0	9.178	35.098	27.167	7.608
323.0	10.949	35.334	27.046	7.546	373.0	10.074	35.213	27.106	7.518	423.0	9.173	35.096	27.166	7.609
324.0	10.938	35.333	27.047	7.547	374.0	10.070	35.211	27.106	7.519	424.0	9.146	35.092	27.167	7.610
325.0	10.917	35.328	27.047	7.545	375.0	10.065	35.212	27.107	7.517	425.0	9.119	35.090	27.170	7.614
326.0	10.895	35.327	27.050	7.545	376.0	10.053	35.209	27.107	7.517	426.0	9.103	35.089	27.171	7.616
327.0	10.882	35.322	27.049	7.547	377.0	10.028	35.205	27.108	7.521	427.0	9.075	35.082	27.171	7.621
328.0	10.846	35.319	27.052	7.543	378.0	10.002	35.202	27.109	7.523	428.0	9.043	35.078	27.173	7.623
329.0	10.838	35.323	27.057	7.529	379.0	9.987	35.202	27.112	7.522	429.0	8.999	35.074	27.177	7.629
330.0	10.845	35.324	27.057	7.501	380.0	9.982	35.200	27.112	7.525	430.0	8.976	35.073	27.180	7.634
331.0	10.834	35.318	27.054	7.495	381.0	9.965	35.199	27.114	7.527	431.0	8.965	35.073	27.181	7.634
332.0	10.805	35.318	27.059	7.491	382.0	9.956	35.197	27.114	7.530	432.0	8.945	35.068	27.181	7.638
333.0	10.798	35.316	27.059	7.491	383.0	9.934	35.194	27.115	7.531	433.0	8.915	35.065	27.184	7.647
334.0	10.786	35.311	27.057	7.502	384.0	9.918	35.192	27.117	7.532	434.0	8.905	35.064	27.184	7.649
335.0	10.753	35.310	27.062	7.499	385.0	9.890	35.185	27.116	7.533	435.0	8.886	35.062	27.186	7.650
336.0	10.739	35.308	27.063	7.496	386.0	9.853	35.182	27.120	7.536	436.0	8.868	35.057	27.184	7.652
337.0	10.723	35.305	27.064	7.493	387.0	9.822	35.181	27.124	7.539	437.0	8.849	35.058	27.188	7.655
338.0	10.710	35.303	27.064	7.490	388.0	9.821	35.180	27.124	7.541	438.0	8.838	35.058	27.190	7.653
339.0	10.678	35.295	27.064	7.486	389.0	9.819	35.180	27.124	7.542	439.0	8.834	35.057	27.190	7.653
340.0	10.657	35.297	27.069	7.480	390.0	9.819	35.179	27.124	7.547	440.0	8.826	35.054	27.189	7.654
341.0	10.647	35.294	27.068	7.485	391.0	9.787	35.172	27.123	7.549	441.0	8.806	35.053	27.191	7.652
342.0	10.620	35.289	27.070	7.490	392.0	9.761	35.171	27.126	7.553	442.0	8.783	35.049	27.192	7.662
343.0	10.598	35.288	27.073	7.495	393.0	9.748	35.169	27.127	7.554	443.0	8.769	35.048	27.193	7.668
344.0	10.590	35.287	27.073	7.499	394.0	9.735	35.167	27.128	7.556	444.0	8.753	35.046	27.194	7.670
345.0	10.584	35.286	27.074	7.498	395.0	9.720	35.165	27.129	7.558	445.0	8.731	35.042	27.195	7.675
346.0	10.576	35.284	27.074	7.494	396.0	9.704	35.163	27.130	7.555	446.0	8.703	35.040	27.198	7.674
347.0	10.560	35.283	27.076	7.495	397.0	9.688	35.161	27.131	7.554	447.0	8.690	35.038	27.198	7.674
348.0	10.544	35.277	27.074	7.491	398.0	9.657	35.157	27.133	7.551	448.0	8.662	35.035	27.200	7.677
349.0	10.501	35.273	27.078	7.502	399.0	9.628	35.153	27.135	7.555	449.0	8.642	35.033	27.202	7.678
350.0	10.479	35.270	27.080	7.503	400.0	9.599	35.151	27.138	7.551	450.0	8.631	35.033	27.203	7.682
351.0	10.457	35.267	27.081	7.501	401.0	9.584	35.148	27.138	7.556	451.0	8.621	35.031	27.204	7.685
352.0	10.432	35.264	27.083	7.507	402.0	9.560	35.146	27.141	7.558	452.0	8.609	35.030	27.204	7.686
353.0	10.426	35.264	27.085	7.508	403.0	9.546	35.144	27.142	7.560	453.0	8.603	35.030	27.205	7.688

STATION SB103.PLT::: CRUISE 90g10 DATE & TIME Sun Jul 22 13:55:19 1990, Julian day = 203
 LAT 28 26.50 LON 89 42.11 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
454.0	8.595	35.028	27.205	7.691	504.0	7.831	34.956	27.265	7.761					
455.0	8.589	35.027	27.205	7.691	505.0	7.823	34.954	27.265	7.769					
456.0	8.581	35.027	27.206	7.691	506.0	7.810	34.954	27.266	7.770					
457.0	8.573	35.025	27.206	7.692	507.0	7.802	34.954	27.268	7.771					
458.0	8.565	35.024	27.207	7.695	508.0	7.802	34.951	27.265	7.753					
459.0	8.558	35.024	27.208	7.694	509.0	7.790	34.951	27.267	7.774					
460.0	8.549	35.024	27.209	7.689	510.0	7.775	34.951	27.269	7.773					
461.0	8.537	35.022	27.209	7.683	511.0	7.758	34.948	27.269	7.775					
462.0	8.521	35.018	27.209	7.699	512.0	7.756	34.947	27.272	7.774					
463.0	8.467	35.010	27.211	7.708	513.0	7.722	34.947	27.274	7.774					
464.0	8.459	35.009	27.214	7.713	514.0	7.716	34.947	27.275	7.775					
465.0	8.416	35.008	27.217	7.719	515.0	7.710	34.946	27.275	7.777					
466.0	8.389	35.002	27.217	7.725	516.0	7.698	34.945	27.275	7.779					
467.0	8.363	35.002	27.221	7.729	517.0	7.691	34.945	27.277	7.779					
468.0	8.353	35.000	27.220	7.732	518.0	7.690	34.944	27.277	7.782					
469.0	8.335	34.998	27.222	7.735	519.0	7.686	34.944	27.277	7.782					
470.0	8.318	34.996	27.223	7.738	520.0	7.682	34.944	27.277	7.783					
471.0	8.309	34.997	27.225	7.736	521.0	7.681	34.943	27.277	7.788					
472.0	8.308	34.997	27.226	7.734	522.0	7.673	34.941	27.277	7.789					
473.0	8.300	34.997	27.226	7.733	523.0	7.666	34.941	27.278	7.788					
474.0	8.291	34.996	27.227	7.719	524.0	7.648	34.939	27.278	7.789					
475.0	8.273	34.995	27.229	7.718	525.0	7.634	34.940	27.281	7.790					
476.0	8.257	34.993	27.230	7.721	526.0	7.627	34.939	27.282	7.792					
477.0	8.234	34.990	27.231	7.727	527.0	7.622	34.939	27.282	7.794					
478.0	8.215	34.989	27.233	7.727	528.0	7.610	34.937	27.283	7.797					
479.0	8.205	34.988	27.233	7.731	529.0	7.601	34.937	27.284	7.801					
480.0	8.191	34.985	27.234	7.739	530.0	7.587	34.934	27.283	7.811					
481.0	8.173	34.982	27.234	7.745	531.0	7.581	34.933	27.283	7.817					
482.0	8.154	34.981	27.236	7.754	532.0	7.567	34.931	27.284	7.824					
483.0	8.155	34.983	27.238	7.744	533.0	7.555	34.930	27.285	7.827					
484.0	8.156	34.985	27.239	7.731	534.0	7.539	34.930	27.288	7.823					
485.0	8.156	34.984	27.238	7.728	535.0	7.526	34.930	27.289	7.818					
486.0	8.147	34.981	27.238	7.736	536.0	7.513	34.930	27.291	7.818					
487.0	8.121	34.979	27.239	7.737	537.0	7.504	34.929	27.292	7.809					
488.0	8.092	34.976	27.241	7.743	538.0	7.485	34.927	27.293	7.816					
489.0	8.056	34.971	27.243	7.751	539.0	7.472	34.927	27.295	7.814					
490.0	8.034	34.971	27.246	7.752										
491.0	8.013	34.969	27.248	7.754										
492.0	7.989	34.967	27.250	7.756										
493.0	7.977	34.966	27.251	7.755										
494.0	7.964	34.965	27.252	7.759										
495.0	7.951	34.965	27.254	7.759										
496.0	7.947	34.963	27.253	7.760										
497.0	7.942	34.964	27.255	7.761										
498.0	7.939	34.963	27.255	7.762										
499.0	7.932	34.962	27.255	7.758										
500.0	7.914	34.960	27.256	7.753										
501.0	7.892	34.959	27.258	7.754										
502.0	7.867	34.960	27.262	7.755										
503.0	7.850	34.954	27.260	7.760										



CRUISE: 90g10 STATION: SB103.PL DATE: Jul 22 13:55:19 1990
LATITUDE: 28 26.50 LONGITUDE: 89 42.11
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB107.PLT::: CRUISE 90g10 DATE & TIME Mon Jul 23 06:07:01 1990, Julian day = 204
LAT 28 32.56 LON 89 49.19 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
3.0	29.348	29.931	18.151	8.692	53.0	21.799	36.193	25.183	9.296	103.0	18.063	36.358	26.298	8.473
4.0	29.258	30.716	18.768	8.858	54.0	21.615	36.206	25.244	9.288	104.0	17.993	36.351	26.310	8.483
5.0	29.248	30.933	18.935	8.876	55.0	21.349	36.232	25.338	9.285	105.0	17.949	36.355	26.324	8.447
6.0	29.190	32.156	19.870	8.953	56.0	21.249	36.239	25.370	9.280	106.0	17.899	36.350	26.333	8.450
7.0	29.178	32.714	20.292	8.974	57.0	21.213	36.241	25.382	9.280	107.0	17.859	36.348	26.341	8.431
8.0	29.132	33.229	20.693	9.024	58.0	21.178	36.242	25.392	9.279	108.0	17.777	36.330	26.347	8.413
9.0	29.122	33.452	20.864	9.064	59.0	21.124	36.246	25.410	9.283	109.0	17.681	36.331	26.372	8.427
10.0	29.130	33.604	20.975	9.089	60.0	21.070	36.248	25.427	9.282	110.0	17.617	36.323	26.382	8.436

STATION SB107.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 06:07:01 1990, Julian day = 204

LAT 28 32.56 LON 89 49.19 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

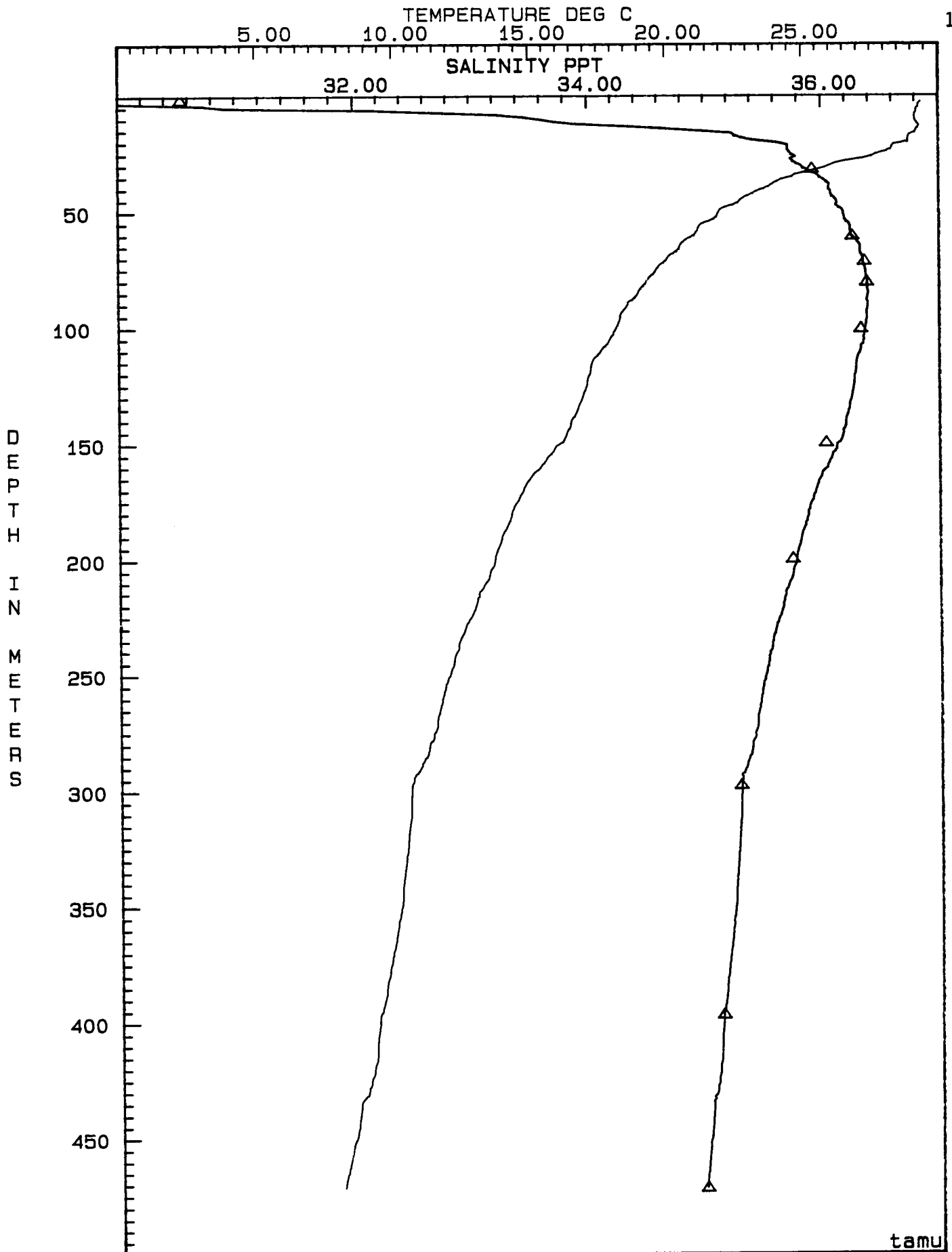
DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
153.0	15.864	36.108	26.633	8.887	203.0	13.638	35.755	26.848	9.104	253.0	11.938	35.490	26.982	8.788
154.0	15.797	36.088	26.633	8.890	204.0	13.571	35.747	26.856	9.129	254.0	11.894	35.485	26.987	8.784
155.0	15.687	36.083	26.654	8.911	205.0	13.545	35.747	26.861	9.135	255.0	11.877	35.484	26.990	8.775
156.0	15.630	36.076	26.662	8.938	206.0	13.530	35.744	26.862	9.119	256.0	11.861	35.478	26.988	8.765
157.0	15.580	36.064	26.664	8.945	207.0	13.509	35.739	26.862	9.113	257.0	11.827	35.475	26.991	8.758
158.0	15.521	36.056	26.671	8.929	208.0	13.481	35.734	26.864	9.119	258.0	11.815	35.475	26.994	8.751
159.0	15.444	36.047	26.681	8.925	209.0	13.420	35.721	26.867	9.115	259.0	11.792	35.467	26.992	8.748
160.0	15.390	36.041	26.689	8.922	210.0	13.357	35.713	26.873	9.107	260.0	11.759	35.464	26.996	8.753
161.0	15.319	36.023	26.691	8.926	211.0	13.311	35.707	26.878	9.099	261.0	11.752	35.464	26.997	8.743
162.0	15.199	36.001	26.701	8.940	212.0	13.284	35.702	26.880	9.083	262.0	11.739	35.461	26.998	8.734
163.0	15.122	35.996	26.714	8.959	213.0	13.228	35.688	26.880	9.049	263.0	11.710	35.453	26.997	8.736
164.0	15.066	35.991	26.723	8.968	214.0	13.154	35.681	26.890	9.032	264.0	11.691	35.455	27.002	8.733
165.0	15.003	35.979	26.727	8.982	215.0	13.128	35.684	26.898	9.035	265.0	11.669	35.448	27.001	8.733
166.0	14.937	35.967	26.733	9.008	216.0	13.142	35.678	26.890	9.035	266.0	11.651	35.444	27.001	8.727
167.0	14.882	35.964	26.743	9.022	217.0	13.082	35.671	26.897	9.020	267.0	11.616	35.438	27.003	8.723
168.0	14.838	35.955	26.745	9.024	218.0	13.068	35.670	26.899	9.011	268.0	11.590	35.436	27.007	8.702
169.0	14.787	35.951	26.753	9.018	219.0	13.043	35.664	26.899	9.004	269.0	11.577	35.436	27.009	8.669
170.0	14.764	35.943	26.752	9.013	220.0	13.016	35.662	26.904	9.001	270.0	11.573	35.436	27.009	8.630
171.0	14.723	35.938	26.757	9.020	221.0	12.987	35.656	26.905	8.981	271.0	11.568	35.435	27.010	8.634
172.0	14.659	35.926	26.762	9.037	222.0	12.949	35.650	26.907	8.979	272.0	11.562	35.433	27.010	8.632
173.0	14.619	35.922	26.768	9.039	223.0	12.913	35.643	26.910	8.989	273.0	11.542	35.427	27.009	8.595
174.0	14.589	35.917	26.771	9.016	224.0	12.870	35.638	26.914	8.984	274.0	11.506	35.421	27.010	8.585
175.0	14.541	35.906	26.772	8.993	225.0	12.822	35.625	26.914	8.982	275.0	11.446	35.412	27.015	8.587
176.0	14.477	35.897	26.779	8.985	226.0	12.762	35.619	26.921	8.991	276.0	11.433	35.415	27.020	8.580
177.0	14.421	35.891	26.786	8.978	227.0	12.729	35.615	26.925	8.989	277.0	11.426	35.412	27.019	8.580
178.0	14.403	35.888	26.789	8.971	228.0	12.673	35.602	26.926	8.982	278.0	11.395	35.401	27.016	8.577
179.0	14.358	35.877	26.790	8.967	229.0	12.640	35.601	26.932	8.975	279.0	11.311	35.392	27.024	8.575
180.0	14.339	35.879	26.795	8.961	230.0	12.614	35.596	26.933	8.960	280.0	11.279	35.392	27.030	8.570
181.0	14.326	35.875	26.795	8.963	231.0	12.582	35.591	26.935	8.950	281.0	11.268	35.389	27.030	8.562
182.0	14.295	35.867	26.795	8.956	232.0	12.549	35.588	26.939	8.944	282.0	11.254	35.386	27.030	8.557
183.0	14.272	35.867	26.800	8.950	233.0	12.497	35.576	26.940	8.927	283.0	11.228	35.382	27.032	8.560
184.0	14.227	35.855	26.800	8.947	234.0	12.451	35.571	26.946	8.920	284.0	11.213	35.380	27.033	8.561
185.0	14.191	35.853	26.806	8.949	235.0	12.407	35.568	26.952	8.909	285.0	11.174	35.366	27.030	8.595
186.0	14.151	35.844	26.809	8.939	236.0	12.381	35.562	26.953	8.902	286.0	11.098	35.360	27.039	8.637
187.0	14.100	35.836	26.813	8.938	237.0	12.370	35.563	26.955	8.897	287.0	11.066	35.353	27.039	8.643
188.0	14.045	35.827	26.818	8.936	238.0	12.366	35.561	26.955	8.893	288.0	11.008	35.346	27.044	8.648
189.0	14.012	35.822	26.821	8.947	239.0	12.358	35.558	26.954	8.885	289.0	10.990	35.344	27.046	8.650
190.0	13.973	35.819	26.827	8.943	240.0	12.304	35.543	26.953	8.869	290.0	10.944	35.336	27.048	8.643
191.0	13.961	35.816	26.827	8.939	241.0	12.264	35.544	26.961	8.868	291.0	10.896	35.324	27.047	8.627
192.0	13.941	35.810	26.827	8.929	242.0	12.232	35.535	26.961	8.870	292.0	10.832	35.319	27.055	8.631
193.0	13.907	35.807	26.831	8.922	243.0	12.212	35.535	26.965	8.871	293.0	10.748	35.300	27.055	8.622
194.0	13.876	35.800	26.833	8.934	244.0	12.203	35.534	26.966	8.865	294.0	10.696	35.305	27.069	8.617
195.0	13.828	35.791	26.836	9.001	245.0	12.186	35.529	26.965	8.859	295.0	10.698	35.305	27.068	8.600
196.0	13.802	35.789	26.839	8.961	246.0	12.162	35.526	26.967	8.856	296.0	10.672	35.297	27.067	8.520
197.0	13.765	35.782	26.842	8.959	247.0	12.116	35.516	26.969	8.849	297.0	10.620	35.296	27.075	8.508
198.0	13.736	35.778	26.845	8.991	248.0	12.087	35.516	26.973	8.846	298.0	10.609	35.295	27.076	8.496
199.0	13.725	35.778	26.847	9.004	249.0	12.071	35.512	26.974	8.838	299.0	10.604	35.295	27.077	8.493
200.0	13.716	35.776	26.847	9.004	250.0	12.038	35.504	26.974	8.825	300.0	10.604	35.296	27.078	8.484
201.0	13.708	35.774	26.848	9.009	251.0	11.983	35.498	26.980	8.800	301.0	10.605	35.295	27.077	8.477
202.0	13.682	35.766	26.846	9.042	252.0	11.964	35.498	26.984	8.792	302.0	10.595	35.291	27.076	8.478

STATION SB107.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 06:07:01 1990, Julian day = 204
 LAT 28 32.56 LON 89 49.19 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
303.0	10.591	35.292	27.078	8.463	353.0	10.169	35.229	27.102	8.306	403.0	9.353	35.123	27.157	8.285
304.0	10.589	35.292	27.078	8.462	354.0	10.158	35.228	27.103	8.303	404.0	9.346	35.121	27.157	8.287
305.0	10.588	35.292	27.078	8.470	355.0	10.138	35.223	27.103	8.298	405.0	9.326	35.118	27.158	8.287
306.0	10.589	35.291	27.077	8.465	356.0	10.105	35.219	27.105	8.285	406.0	9.314	35.118	27.160	8.288
307.0	10.587	35.291	27.077	8.465	357.0	10.096	35.221	27.109	8.282	407.0	9.308	35.118	27.161	8.289
308.0	10.585	35.290	27.077	8.464	358.0	10.094	35.219	27.108	8.283	408.0	9.303	35.116	27.160	8.289
309.0	10.579	35.290	27.077	8.466	359.0	10.078	35.217	27.108	8.280	409.0	9.296	35.116	27.161	8.284
310.0	10.580	35.290	27.077	8.457	360.0	10.059	35.213	27.109	8.275	410.0	9.295	35.116	27.161	8.285
311.0	10.578	35.289	27.077	8.455	361.0	10.042	35.214	27.112	8.273	411.0	9.293	35.116	27.161	8.291
312.0	10.563	35.286	27.078	8.453	362.0	10.033	35.211	27.112	8.276	412.0	9.291	35.115	27.161	8.293
313.0	10.552	35.283	27.077	8.451	363.0	10.017	35.211	27.114	8.277	413.0	9.290	35.115	27.161	8.292
314.0	10.534	35.282	27.080	8.442	364.0	10.011	35.209	27.114	8.274	414.0	9.286	35.114	27.161	8.295
315.0	10.525	35.281	27.080	8.441	365.0	9.995	35.205	27.114	8.270	415.0	9.279	35.113	27.162	8.295
316.0	10.510	35.278	27.080	8.440	366.0	9.977	35.202	27.114	8.266	416.0	9.270	35.112	27.162	8.296
317.0	10.504	35.279	27.082	8.434	367.0	9.959	35.203	27.118	8.262	417.0	9.248	35.107	27.162	8.297
318.0	10.493	35.276	27.083	8.434	368.0	9.948	35.198	27.117	8.266	418.0	9.209	35.103	27.165	8.298
319.0	10.482	35.275	27.083	8.428	369.0	9.912	35.194	27.119	8.265	419.0	9.193	35.102	27.167	8.290
320.0	10.475	35.274	27.083	8.423	370.0	9.886	35.193	27.123	8.260	420.0	9.173	35.101	27.169	8.294
321.0	10.470	35.274	27.084	8.412	371.0	9.883	35.192	27.122	8.254	421.0	9.165	35.100	27.170	8.299
322.0	10.466	35.273	27.084	8.409	372.0	9.864	35.188	27.122	8.262	422.0	9.153	35.098	27.171	8.303
323.0	10.463	35.272	27.084	8.410	373.0	9.850	35.187	27.124	8.266	423.0	9.131	35.091	27.169	8.295
324.0	10.456	35.271	27.084	8.404	374.0	9.841	35.186	27.125	8.271	424.0	9.083	35.089	27.175	8.299
325.0	10.448	35.269	27.085	8.402	375.0	9.815	35.180	27.125	8.276	425.0	9.066	35.089	27.177	8.297
326.0	10.441	35.269	27.086	8.397	376.0	9.792	35.180	27.129	8.280	426.0	9.059	35.088	27.178	8.300
327.0	10.428	35.264	27.084	8.388	377.0	9.776	35.178	27.130	8.275	427.0	9.036	35.080	27.176	8.304
328.0	10.402	35.263	27.088	8.384	378.0	9.765	35.175	27.129	8.271	428.0	8.983	35.077	27.181	8.317
329.0	10.399	35.264	27.089	8.387	379.0	9.760	35.176	27.131	8.269	429.0	8.970	35.077	27.184	8.313
330.0	10.390	35.262	27.089	8.386	380.0	9.749	35.172	27.130	8.273	430.0	8.959	35.075	27.184	8.318
331.0	10.382	35.260	27.089	8.382	381.0	9.713	35.166	27.131	8.274	431.0	8.936	35.067	27.181	8.317
332.0	10.372	35.260	27.091	8.371	382.0	9.688	35.166	27.135	8.274	432.0	8.845	35.049	27.182	8.340
333.0	10.361	35.257	27.090	8.369	383.0	9.673	35.164	27.136	8.273	433.0	8.767	35.054	27.198	8.354
334.0	10.342	35.255	27.092	8.369	384.0	9.656	35.161	27.137	8.266	434.0	8.708	35.041	27.197	8.362
335.0	10.334	35.255	27.093	8.364	385.0	9.649	35.161	27.138	8.266	435.0	8.680	35.043	27.203	8.356
336.0	10.328	35.253	27.093	8.364	386.0	9.645	35.161	27.138	8.264	436.0	8.677	35.043	27.204	8.361
337.0	10.313	35.250	27.093	8.356	387.0	9.644	35.160	27.138	8.270	437.0	8.675	35.042	27.203	8.366
338.0	10.300	35.249	27.095	8.350	388.0	9.632	35.156	27.137	8.266	438.0	8.667	35.040	27.203	8.371
339.0	10.293	35.248	27.096	8.345	389.0	9.614	35.154	27.138	8.260	439.0	8.655	35.038	27.203	8.371
340.0	10.284	35.245	27.095	8.346	390.0	9.588	35.152	27.141	8.265	440.0	8.642	35.037	27.205	8.369
341.0	10.270	35.244	27.096	8.344	391.0	9.568	35.148	27.141	8.274	441.0	8.629	35.035	27.205	8.369
342.0	10.259	35.244	27.098	8.339	392.0	9.548	35.147	27.144	8.272	442.0	8.611	35.034	27.207	8.366
343.0	10.258	35.244	27.098	8.331	393.0	9.518	35.142	27.145	8.272	443.0	8.604	35.035	27.209	8.363
344.0	10.257	35.243	27.098	8.328	394.0	9.498	35.142	27.148	8.266	444.0	8.601	35.033	27.208	8.371
345.0	10.257	35.243	27.098	8.334	395.0	9.486	35.134	27.144	8.276	445.0	8.599	35.032	27.207	8.379
346.0	10.257	35.242	27.097	8.327	396.0	9.426	35.128	27.150	8.278	446.0	8.569	35.029	27.209	8.367
347.0	10.253	35.241	27.097	8.325	397.0	9.392	35.129	27.155	8.272	447.0	8.555	35.028	27.211	8.370
348.0	10.238	35.240	27.099	8.314	398.0	9.389	35.129	27.156	8.276	448.0	8.545	35.027	27.212	8.367
349.0	10.234	35.240	27.099	8.317	399.0	9.387	35.129	27.156	8.283	449.0	8.529	35.023	27.211	8.372
350.0	10.223	35.235	27.098	8.312	400.0	9.386	35.128	27.156	8.284	450.0	8.502	35.022	27.215	8.374
351.0	10.198	35.232	27.100	8.312	401.0	9.383	35.126	27.155	8.284	451.0	8.465	35.015	27.215	8.367
352.0	10.185	35.231	27.101	8.309	402.0	9.364	35.123	27.156	8.283	452.0	8.420	35.011	27.219	8.369

STATION SB107.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 06:07:01 1990, Julian day = 204
LAT 28 32.56 LON 89 49.19 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
453.0	8.397	35.012	27.223	8.368										
454.0	8.387	35.011	27.224	8.376										
455.0	8.374	35.009	27.224	8.385										
456.0	8.362	35.006	27.224	8.391										
457.0	8.342	35.004	27.226	8.388										
458.0	8.326	35.003	27.227	8.383										
459.0	8.312	35.002	27.229	8.378										
460.0	8.284	34.998	27.229	8.376										
461.0	8.266	34.999	27.233	8.381										
462.0	8.258	34.997	27.233	8.387										
463.0	8.225	34.993	27.234	8.382										
464.0	8.209	34.993	27.237	8.381										
465.0	8.199	34.991	27.237	8.383										
466.0	8.157	34.986	27.239	8.381										
467.0	8.145	34.986	27.241	8.377										
468.0	8.129	34.984	27.242	8.371										
469.0	8.109	34.981	27.243	8.371										
470.0	8.090	34.982	27.246	8.371										
471.0	8.081	34.980	27.246	8.363										



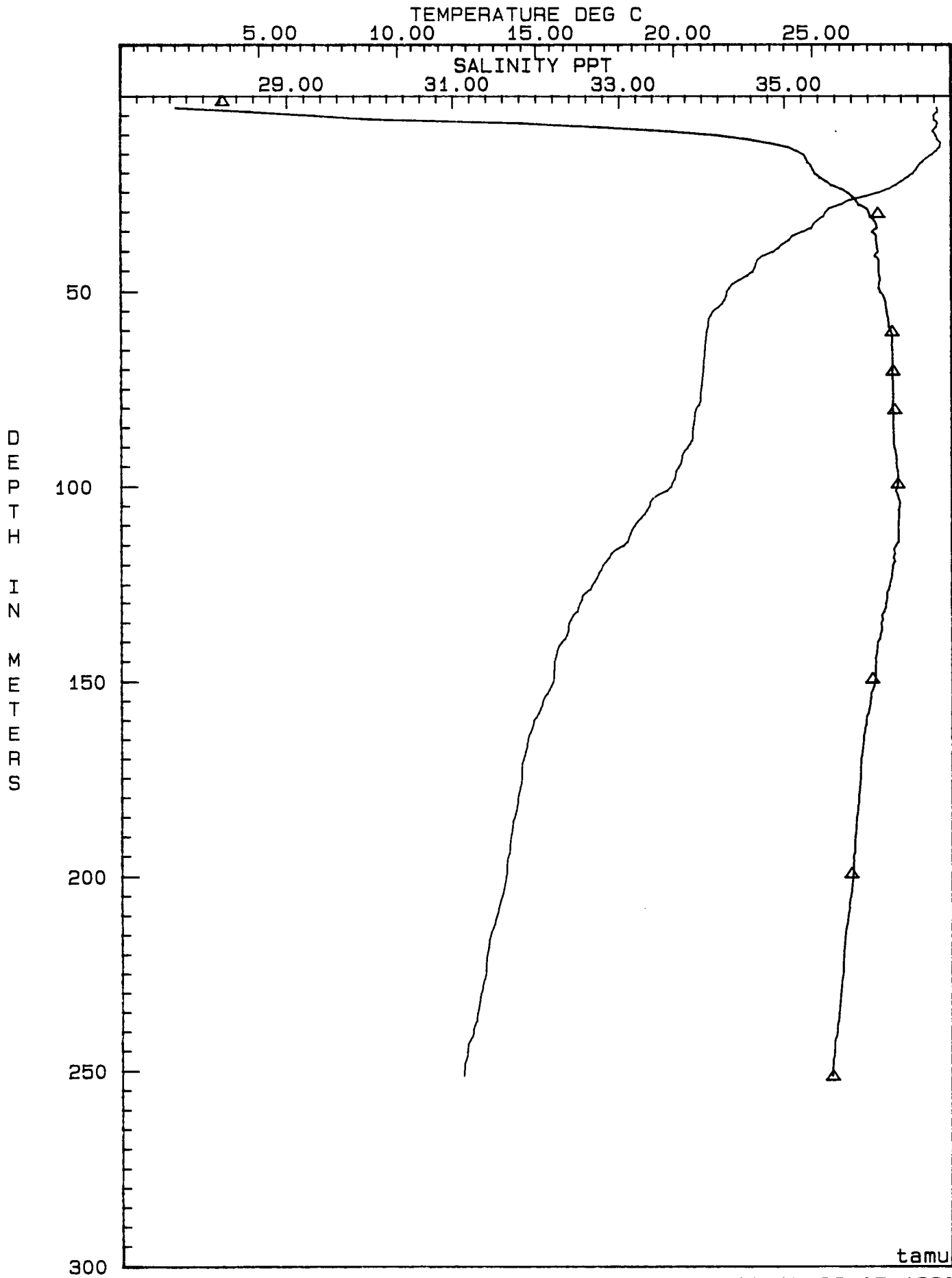
CRUISE: 90g10 STATION: SB107.PL DATE: Jul 23 06:07:01 1990
LATITUDE: 28 32.56 LONGITUDE: 89 49.19

STATION SB108.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 07:29:07 1990, Julian day = 204
LAT 28 36.51 LON 89 58.12 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
3.0	29.501	27.670	16.410	8.400	53.0	21.755	36.209	25.208	7.845	103.0	19.215	36.361	26.008	8.114
4.0	29.518	28.554	17.065	8.387	54.0	21.610	36.211	25.249	7.837	104.0	19.112	36.376	26.045	8.165
5.0	29.375	29.296	17.667	8.435	55.0	21.408	36.221	25.313	7.889	105.0	19.090	36.372	26.049	8.084
6.0	29.387	29.999	18.189	8.621	56.0	21.332	36.228	25.339	8.148	106.0	19.000	36.362	26.064	7.998
7.0	29.512	31.815	19.507	8.746	57.0	21.257	36.241	25.370	8.019	107.0	18.917	36.366	26.088	8.015
8.0	29.475	32.760	20.228	8.792	58.0	21.232	36.243	25.378	7.543	108.0	18.788	36.364	26.120	8.113
9.0	29.348	33.571	20.878	8.839	59.0	21.225	36.248	25.384	7.616	109.0	18.659	36.358	26.148	8.127
10.0	29.437	34.184	21.308	8.922	60.0	21.184	36.270	25.412	8.448	110.0	18.555	36.354	26.172	8.254
11.0	29.504	34.553	21.562	8.983	61.0	21.165	36.285	25.429	8.447	111.0	18.457	36.357	26.199	8.300
12.0	29.620	34.826	21.728	9.019	62.0	21.153	36.285	25.432	8.303	112.0	18.392	36.359	26.217	8.353
13.0	29.599	35.042	21.897	9.037	63.0	21.136	36.283	25.435	8.197	113.0	18.339	36.357	26.229	8.346
14.0	29.489	35.139	22.007	9.051	64.0	21.117	36.282	25.439	8.174	114.0	18.299	36.356	26.238	8.324
15.0	29.325	35.228	22.129	9.051	65.0	21.107	36.289	25.448	8.414	115.0	18.160	36.330	26.252	8.423
16.0	29.124	35.253	22.215	9.054	66.0	21.100	36.291	25.451	8.456	116.0	17.890	36.302	26.299	8.542
17.0	28.973	35.272	22.280	9.051	67.0	21.089	36.290	25.453	8.468	117.0	17.703	36.312	26.352	8.592
18.0	28.829	35.315	22.360	9.040	68.0	21.070	36.291	25.459	8.485	118.0	17.637	36.297	26.357	8.644
19.0	28.740	35.336	22.405	9.027	69.0	21.062	36.289	25.460	8.315	119.0	17.518	36.313	26.399	8.659
20.0	28.636	35.363	22.460	9.013	70.0	21.055	36.288	25.461	8.255	120.0	17.390	36.288	26.411	8.690
21.0	28.426	35.419	22.572	8.985	71.0	21.039	36.288	25.465	8.208	121.0	17.340	36.286	26.421	8.716
22.0	28.215	35.497	22.700	8.975	72.0	21.024	36.289	25.471	8.231	122.0	17.245	36.279	26.438	8.728
23.0	28.004	35.559	22.816	8.984	73.0	21.006	36.294	25.479	8.376	123.0	17.184	36.274	26.449	8.720
24.0	27.752	35.679	22.988	9.034	74.0	20.993	36.295	25.483	8.431	124.0	17.097	36.260	26.459	8.728
25.0	27.390	35.756	23.164	9.077	75.0	20.973	36.295	25.489	8.447	125.0	17.004	36.252	26.476	8.731
26.0	26.890	35.808	23.364	9.108	76.0	20.957	36.297	25.495	8.429	126.0	16.944	36.240	26.481	8.765
27.0	26.312	35.855	23.583	9.129	77.0	20.951	36.297	25.496	8.416	127.0	16.768	36.217	26.506	8.798
28.0	26.034	35.884	23.692	9.147	78.0	20.949	36.296	25.496	8.418	128.0	16.650	36.219	26.535	8.821
29.0	25.613	35.982	23.897	9.179	79.0	20.907	36.288	25.502	8.501	129.0	16.629	36.215	26.537	8.819
30.0	25.470	36.007	23.960	9.178	80.0	20.794	36.291	25.535	8.348	130.0	16.561	36.205	26.545	8.827
31.0	25.400	36.022	23.993	9.190	81.0	20.748	36.297	25.552	7.809	131.0	16.510	36.203	26.555	8.814
32.0	25.201	36.069	24.090	9.214	82.0	20.739	36.297	25.554	7.707	132.0	16.478	36.185	26.549	8.782
33.0	25.045	36.096	24.158	9.218	83.0	20.729	36.297	25.556	7.741	133.0	16.314	36.155	26.565	8.740
34.0	24.974	36.107	24.188	9.223	84.0	20.700	36.296	25.564	7.690	134.0	16.232	36.164	26.590	8.726
35.0	24.659	36.048	24.239	9.216	85.0	20.670	36.300	25.575	7.799	135.0	16.169	36.146	26.592	8.670
36.0	24.288	36.096	24.387	9.207	86.0	20.664	36.301	25.578	7.852	136.0	16.142	36.152	26.602	8.673
37.0	24.164	36.096	24.425	9.217	87.0	20.661	36.303	25.580	7.937	137.0	16.135	36.150	26.602	8.671
38.0	23.943	36.102	24.495	9.220	88.0	20.647	36.303	25.584	8.114	138.0	16.094	36.135	26.600	8.693
39.0	23.790	36.110	24.546	9.218	89.0	20.569	36.304	25.605	8.178	139.0	16.022	36.129	26.612	8.663
40.0	23.593	36.117	24.609	9.229	90.0	20.473	36.311	25.637	8.190	140.0	15.908	36.102	26.618	8.558
41.0	23.237	36.081	24.687	9.231	91.0	20.350	36.323	25.679	7.919	141.0	15.794	36.098	26.641	8.570
42.0	23.029	36.124	24.780	9.229	92.0	20.287	36.332	25.703	8.021	142.0	15.744	36.094	26.649	8.657
43.0	22.972	36.128	24.799	9.231	93.0	20.266	36.336	25.712	8.033	143.0	15.716	36.089	26.652	8.553
44.0	22.932	36.130	24.812	9.233	94.0	20.236	36.334	25.718	7.967	144.0	15.681	36.077	26.651	8.497
45.0	22.865	36.126	24.829	9.232	95.0	20.152	36.339	25.744	7.986	145.0	15.635	36.080	26.663	8.527
46.0	22.662	36.132	24.892	9.236	96.0	20.054	36.352	25.780	8.092	146.0	15.633	36.078	26.662	8.531
47.0	22.400	36.144	24.975	9.231	97.0	20.034	36.354	25.787	8.107	147.0	15.630	36.077	26.662	8.537
48.0	22.120	36.128	25.043	9.204	98.0	20.008	36.351	25.792	8.155	148.0	15.623	36.076	26.663	8.547
49.0	22.008	36.124	25.071	9.183	99.0	19.921	36.351	25.815	8.149	149.0	15.621	36.075	26.662	8.569
50.0	21.920	36.141	25.109	9.099	100.0	19.877	36.348	25.824	8.098	150.0	15.595	36.065	26.661	8.603
51.0	21.899	36.180	25.145	8.693	101.0	19.732	36.327	25.847	7.966	151.0	15.532	36.058	26.670	8.640
52.0	21.838	36.198	25.176	8.461	102.0	19.423	36.348	25.944	7.966	152.0	15.460	36.044	26.675	8.632

STATION SB108.PLT::: CRUISE 90g10 DATE & TIME Mon Jul 23 07:29:07 1990, Julian day = 204
 LAT 28 36.51 LON 89 58.12 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
153.0	15.387	36.022	26.675	8.614	203.0	13.818	35.788	26.836	8.643					
154.0	15.281	36.019	26.696	8.619	204.0	13.793	35.786	26.839	8.653					
155.0	15.220	36.013	26.705	8.611	205.0	13.753	35.777	26.841	8.671					
156.0	15.198	36.010	26.708	8.614	206.0	13.705	35.767	26.843	8.648					
157.0	15.146	35.999	26.711	8.604	207.0	13.667	35.758	26.844	8.565					
158.0	15.083	35.991	26.719	8.627	208.0	13.628	35.761	26.854	8.535					
159.0	15.001	35.969	26.720	8.614	209.0	13.602	35.753	26.853	8.631					
160.0	14.903	35.966	26.739	8.624	210.0	13.557	35.745	26.857	8.604					
161.0	14.882	35.962	26.740	8.646	211.0	13.515	35.742	26.863	8.573					
162.0	14.836	35.951	26.742	8.653	212.0	13.485	35.734	26.864	8.532					
163.0	14.784	35.946	26.750	8.644	213.0	13.428	35.722	26.866	8.374					
164.0	14.720	35.933	26.754	8.644	214.0	13.367	35.715	26.873	8.494					
165.0	14.686	35.931	26.760	8.637	215.0	13.337	35.712	26.876	8.485					
166.0	14.664	35.927	26.762	8.628	216.0	13.294	35.707	26.882	8.611					
167.0	14.646	35.923	26.763	8.624	217.0	13.280	35.706	26.884	8.583					
168.0	14.604	35.915	26.766	8.615	218.0	13.266	35.701	26.883	8.538					
169.0	14.572	35.911	26.770	8.612	219.0	13.235	35.693	26.883	8.704					
170.0	14.530	35.901	26.771	8.607	220.0	13.203	35.694	26.890	8.751					
171.0	14.479	35.899	26.780	8.609	221.0	13.184	35.690	26.891	8.757					
172.0	14.472	35.898	26.781	8.617	222.0	13.177	35.689	26.892	8.777					
173.0	14.469	35.897	26.781	8.626	223.0	13.170	35.687	26.892	8.756					
174.0	14.466	35.897	26.781	8.631	224.0	13.165	35.687	26.892	8.740					
175.0	14.462	35.895	26.781	8.630	225.0	13.162	35.686	26.893	8.739					
176.0	14.449	35.891	26.780	8.634	226.0	13.128	35.675	26.891	8.737					
177.0	14.412	35.886	26.784	8.738	227.0	13.077	35.670	26.897	8.748					
178.0	14.390	35.882	26.787	8.827	228.0	13.052	35.667	26.900	8.749					
179.0	14.354	35.875	26.789	8.874	229.0	13.028	35.662	26.901	8.699					
180.0	14.327	35.874	26.794	8.869	230.0	12.982	35.656	26.906	8.651					
181.0	14.319	35.872	26.794	8.847	231.0	12.956	35.651	26.907	8.617					
182.0	14.300	35.866	26.793	8.812	232.0	12.938	35.650	26.910	8.620					
183.0	14.274	35.862	26.796	8.764	233.0	12.923	35.646	26.910	8.622					
184.0	14.238	35.857	26.800	8.677	234.0	12.894	35.641	26.912	8.606					
185.0	14.201	35.849	26.802	8.632	235.0	12.860	35.636	26.915	8.541					
186.0	14.142	35.843	26.810	8.638	236.0	12.841	35.635	26.918	8.462					
187.0	14.135	35.842	26.811	8.650	237.0	12.825	35.630	26.917	8.395					
188.0	14.122	35.840	26.811	8.664	238.0	12.762	35.616	26.918	8.348					
189.0	14.095	35.835	26.813	8.776	239.0	12.718	35.614	26.926	8.351					
190.0	14.073	35.830	26.814	8.802	240.0	12.708	35.613	26.927	8.347					
191.0	14.052	35.827	26.816	8.838	241.0	12.677	35.604	26.927	8.438					
192.0	14.038	35.826	26.818	8.873	242.0	12.596	35.587	26.929	8.494					
193.0	14.027	35.824	26.819	8.891	243.0	12.519	35.585	26.943	8.531					
194.0	14.014	35.823	26.821	8.890	244.0	12.509	35.584	26.944	8.480					
195.0	13.963	35.808	26.820	8.844	245.0	12.497	35.580	26.944	8.491					
196.0	13.941	35.812	26.828	8.822	246.0	12.486	35.579	26.945	8.578					
197.0	13.926	35.809	26.829	8.754	247.0	12.446	35.567	26.943	8.496					
198.0	13.923	35.808	26.829	8.711	248.0	12.395	35.565	26.952	8.438					
199.0	13.918	35.808	26.830	8.687	249.0	12.392	35.562	26.950	8.391					
200.0	13.894	35.801	26.829	8.661	250.0	12.380	35.559	26.950	8.335					
201.0	13.874	35.799	26.833	8.635	251.0	12.371	35.557	26.951	8.330					
202.0	13.843	35.792	26.834	8.656										



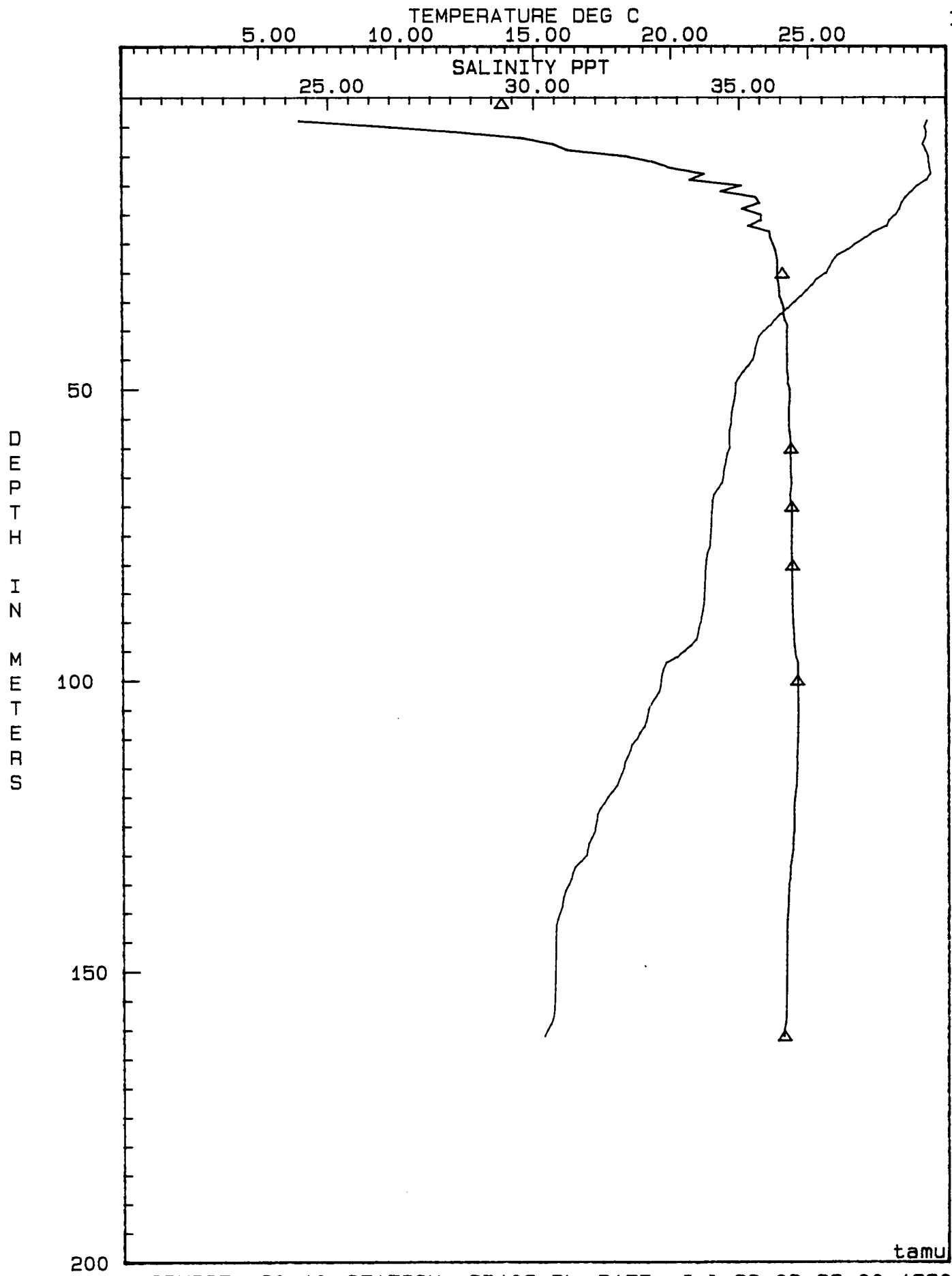
CRUISE: 90g10 STATION: SB108.PL DATE: Jul 23 07:29:07 1990
LATITUDE: 28 36.51 LONGITUDE: 89 58.12
TRIANGLES DENOTE DISCRETE SAMPLES

STATION SB109.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 08:29:00 1990, Julian day = 204
 LAT 28 37.47 LON 90 04.62 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	29.304	24.306	13.962	8.313	54.0	22.175	36.171	25.060	8.947	104.0	19.210	36.368	26.014	8.242
5.0	29.204	26.333	15.508	8.264	55.0	22.168	36.178	25.067	8.613	105.0	19.112	36.371	26.042	7.975
6.0	29.266	28.202	16.885	8.402	56.0	22.156	36.175	25.069	8.464	106.0	19.068	36.371	26.053	7.958
7.0	29.235	29.717	18.028	8.507	57.0	22.103	36.180	25.087	8.777	107.0	19.023	36.369	26.063	7.990
8.0	29.133	30.460	18.618	8.608	58.0	22.097	36.201	25.104	8.621	108.0	18.956	36.362	26.076	8.067
9.0	29.244	30.823	18.853	8.842	59.0	22.099	36.216	25.116	8.572	109.0	18.785	36.360	26.118	7.925
10.0	29.338	32.197	19.851	8.924	60.0	22.111	36.219	25.115	8.688	110.0	18.687	36.357	26.141	7.934
11.0	29.358	32.892	20.365	8.946	61.0	22.015	36.212	25.136	8.610	111.0	18.498	36.350	26.183	8.126
12.0	29.396	33.321	20.678	9.022	62.0	21.972	36.219	25.154	8.584	112.0	18.434	36.348	26.198	8.134
13.0	29.426	34.138	21.276	9.078	63.0	21.933	36.215	25.161	8.509	113.0	18.345	36.342	26.215	8.034
14.0	29.285	33.785	21.060	9.082	64.0	21.881	36.215	25.176	8.456	114.0	18.244	36.344	26.243	8.207
15.0	28.943	35.035	22.112	9.073	65.0	21.871	36.223	25.185	8.530	115.0	18.209	36.345	26.251	8.231
16.0	28.726	34.536	21.809	9.090	66.0	21.821	36.236	25.209	8.693	116.0	18.125	36.334	26.264	8.297
17.0	28.520	35.373	22.506	9.093	67.0	21.684	36.217	25.233	8.741	117.0	18.035	36.332	26.285	8.395
18.0	28.357	35.480	22.641	9.083	68.0	21.526	36.197	25.262	8.903	118.0	17.958	36.328	26.301	8.375
19.0	28.288	35.058	22.346	9.076	69.0	21.476	36.205	25.282	8.969	119.0	17.794	36.304	26.323	8.174
20.0	28.151	35.510	22.731	9.062	70.0	21.462	36.235	25.308	8.583	120.0	17.618	36.289	26.355	7.871
21.0	27.911	35.518	22.816	9.044	71.0	21.441	36.239	25.317	8.325	121.0	17.501	36.272	26.371	7.568
22.0	27.819	35.211	22.615	9.051	72.0	21.435	36.236	25.317	8.308	122.0	17.341	36.265	26.405	7.615
23.0	27.381	35.712	23.134	9.055	73.0	21.425	36.234	25.318	8.289	123.0	17.241	36.266	26.429	8.014
24.0	27.059	35.734	23.254	9.069	74.0	21.408	36.231	25.321	8.264	124.0	17.215	36.269	26.438	8.246
25.0	26.718	35.795	23.409	9.102	75.0	21.394	36.230	25.323	8.206	125.0	17.169	36.265	26.446	8.485
26.0	26.429	35.849	23.541	9.128	76.0	21.384	36.229	25.325	8.151	126.0	17.136	36.263	26.452	8.541
27.0	26.025	35.878	23.690	9.147	77.0	21.368	36.224	25.326	8.033	127.0	17.032	36.245	26.464	8.602
28.0	25.853	35.902	23.762	9.162	78.0	21.278	36.229	25.355	7.516	128.0	16.926	36.240	26.485	8.638
29.0	25.746	35.904	23.797	9.150	79.0	21.247	36.236	25.368	7.416	129.0	16.880	36.239	26.495	8.602
30.0	25.624	35.900	23.831	9.164	80.0	21.219	36.238	25.378	7.392	130.0	16.839	36.220	26.490	8.451
31.0	25.286	35.908	23.942	9.171	81.0	21.207	36.238	25.382	7.495	131.0	16.645	36.199	26.521	8.365
32.0	25.122	35.938	24.015	9.173	82.0	21.198	36.238	25.384	7.465	132.0	16.424	36.175	26.554	8.595
33.0	24.919	35.948	24.084	9.184	83.0	21.186	36.240	25.389	7.467	133.0	16.343	36.172	26.571	8.587
34.0	24.710	35.953	24.152	9.189	84.0	21.176	36.241	25.392	7.507	134.0	16.291	36.167	26.579	8.564
35.0	24.475	36.009	24.265	9.202	85.0	21.163	36.242	25.396	7.579	135.0	16.197	36.142	26.582	8.580
36.0	24.232	36.057	24.374	9.220	86.0	21.154	36.243	25.400	7.581	136.0	16.081	36.135	26.604	8.581
37.0	23.988	36.054	24.445	9.225	87.0	21.146	36.243	25.402	7.664	137.0	16.010	36.128	26.614	8.603
38.0	23.771	36.080	24.529	9.228	88.0	21.104	36.244	25.415	7.968	138.0	15.972	36.124	26.620	8.684
39.0	23.618	36.143	24.622	8.902	89.0	21.059	36.251	25.432	8.370	139.0	15.944	36.117	26.621	8.717
40.0	23.380	36.132	24.683	8.471	90.0	21.025	36.252	25.442	8.567	140.0	15.867	36.102	26.627	8.420
41.0	23.187	36.133	24.741	8.722	91.0	20.959	36.263	25.468	8.591	141.0	15.798	36.098	26.640	8.116
42.0	23.116	36.132	24.761	8.712	92.0	20.919	36.273	25.487	8.058	142.0	15.740	36.090	26.647	7.986
43.0	23.058	36.132	24.777	8.767	93.0	20.865	36.272	25.501	7.523	143.0	15.730	36.087	26.647	7.948
44.0	23.022	36.132	24.788	8.664	94.0	20.662	36.287	25.568	6.912	144.0	15.724	36.086	26.648	7.933
45.0	22.958	36.138	24.810	8.430	95.0	20.418	36.301	25.644	7.262	145.0	15.721	36.085	26.648	7.947
46.0	22.809	36.130	24.847	8.509	96.0	20.169	36.320	25.726	7.493	146.0	15.719	36.085	26.648	7.955
47.0	22.617	36.135	24.906	8.779	97.0	19.772	36.360	25.861	7.826	147.0	15.720	36.084	26.647	7.941
48.0	22.463	36.154	24.965	9.195	98.0	19.660	36.359	25.890	7.828	148.0	15.711	36.083	26.648	7.899
49.0	22.334	36.148	24.998	9.212	99.0	19.599	36.361	25.907	7.764	149.0	15.709	36.083	26.648	7.918
50.0	22.330	36.190	25.031	8.719	100.0	19.567	36.364	25.918	7.904	150.0	15.706	36.081	26.648	7.939
51.0	22.310	36.196	25.041	8.415	101.0	19.551	36.364	25.922	8.091	151.0	15.702	36.081	26.649	7.943
52.0	22.275	36.190	25.046	8.719	102.0	19.494	36.364	25.938	8.342	152.0	15.694	36.079	26.649	7.986
53.0	22.228	36.179	25.051	9.044	103.0	19.355	36.369	25.978	8.238	153.0	15.694	36.078	26.649	7.990

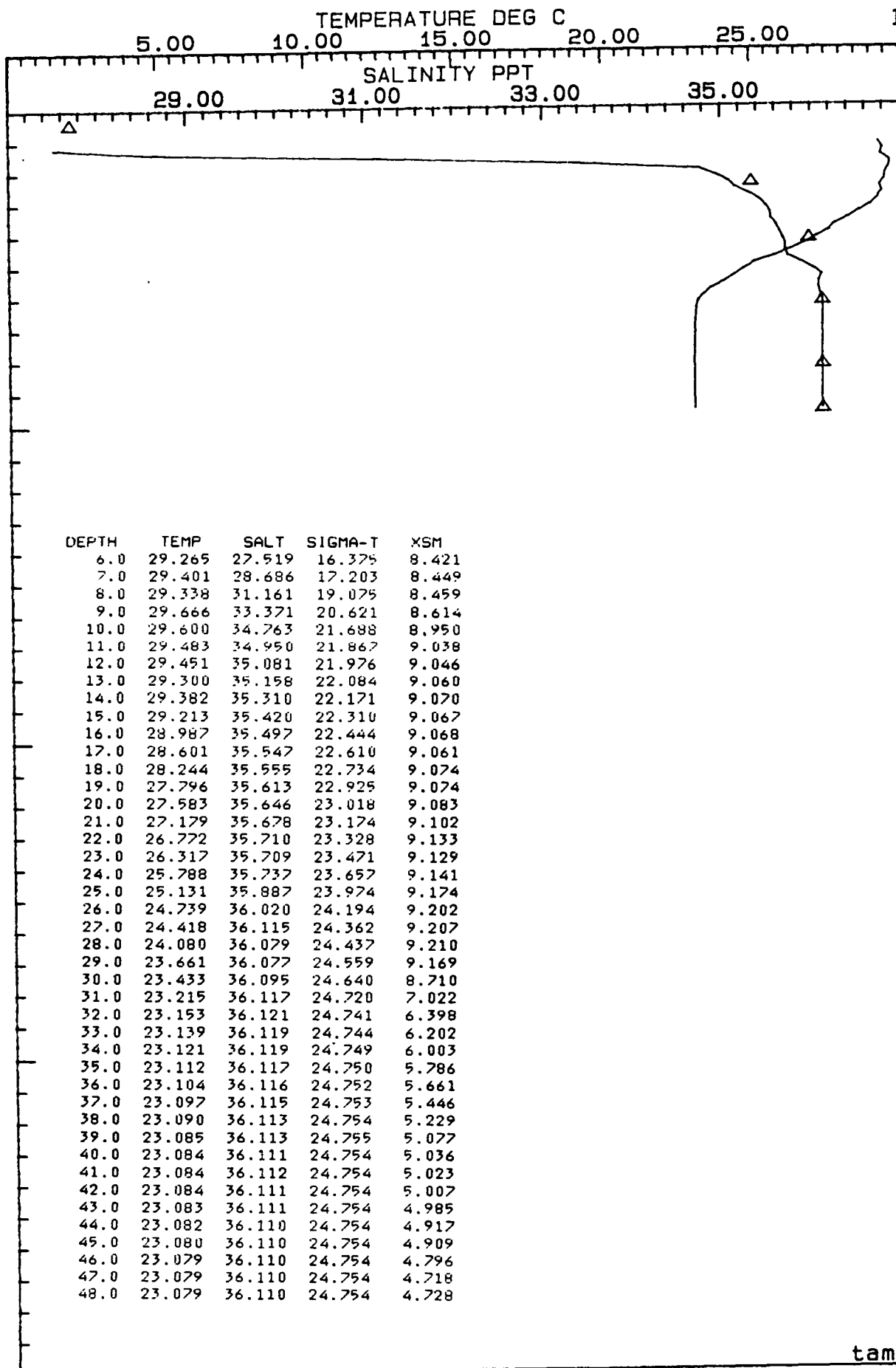
STATION SB109.PLT::: CRUISE 90g10 DATE & TIME Mon Jul 23 08:29:00 1990, Julian day = 204
LAT 28 37.47 LON 90 04.62 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
154.0	15.690	36.078	26.649	7.855										
155.0	15.686	36.077	26.649	7.856										
156.0	15.673	36.073	26.649	7.795										
157.0	15.656	36.071	26.652	7.674										
158.0	15.628	36.067	26.655	7.716										
159.0	15.552	36.057	26.664	7.350										
160.0	15.427	36.022	26.666	6.714										
161.0	15.323	36.023	26.690	6.728										



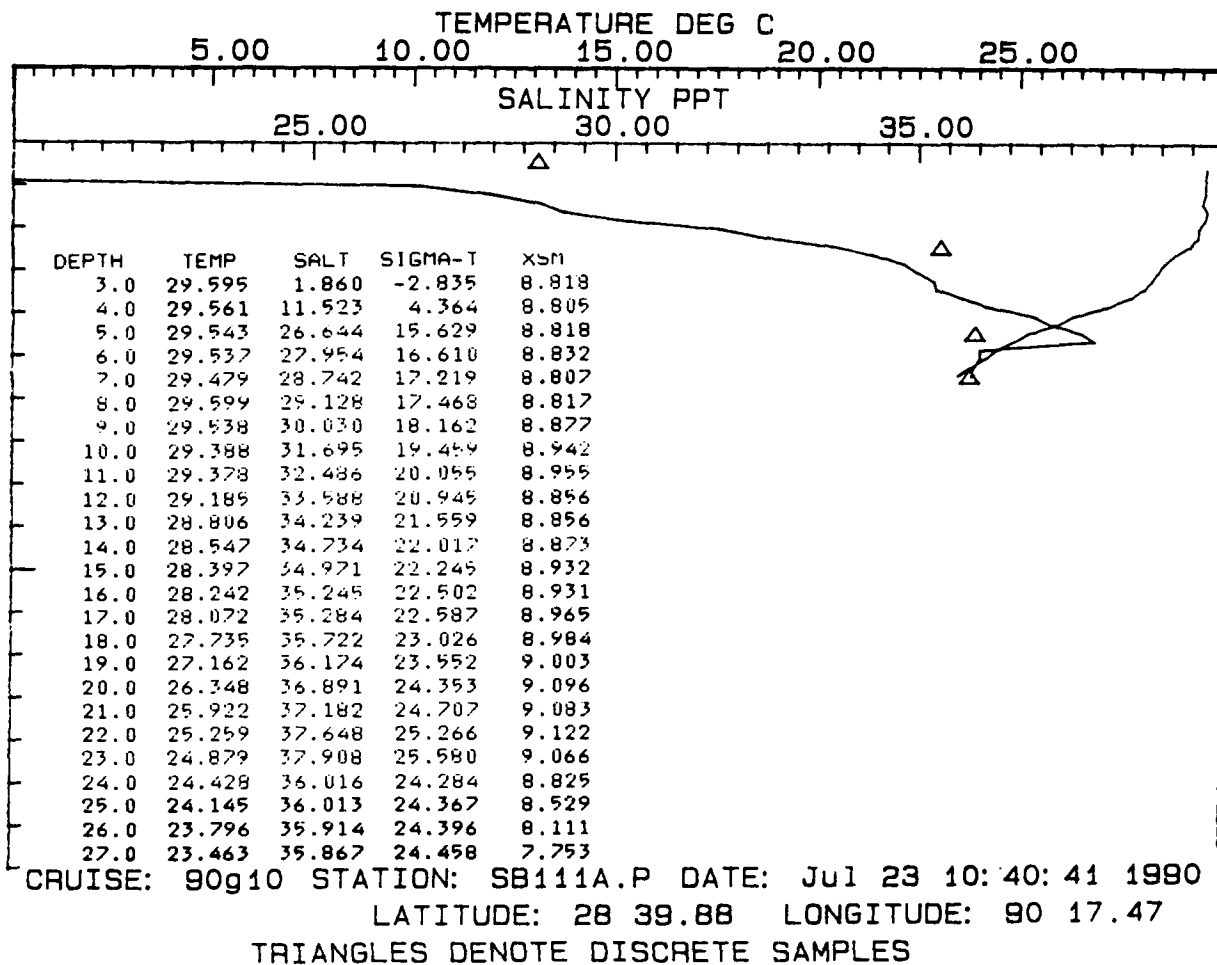
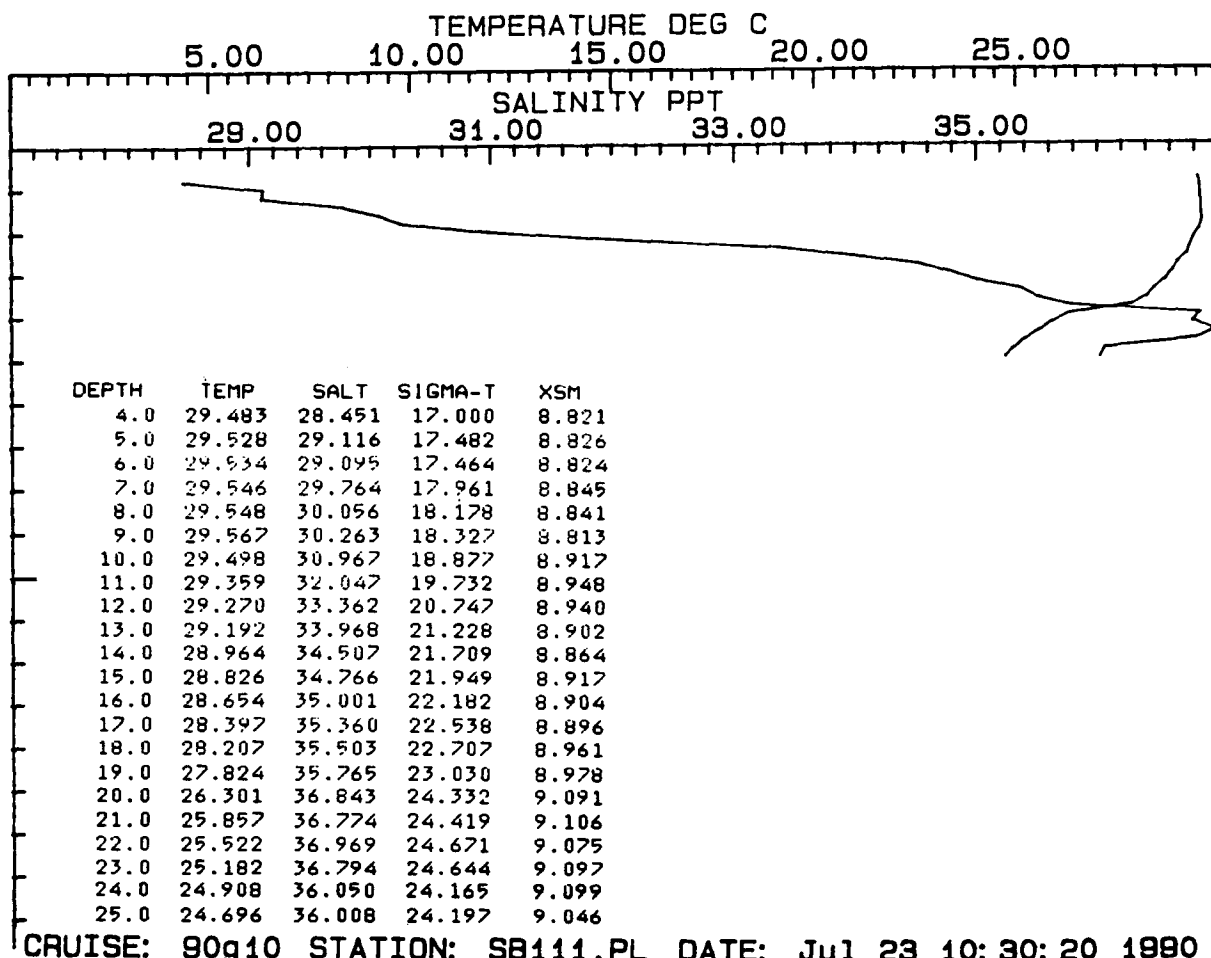
CRUISE: 90g10 STATION: SB109.PL DATE: Jul 23 08: 29: 00 1990
LATITUDE: 28 37.47 LONGITUDE: 90 04.62
TRIANGLES DENOTE DISCRETE SAMPLES

DEPTH IN METERS



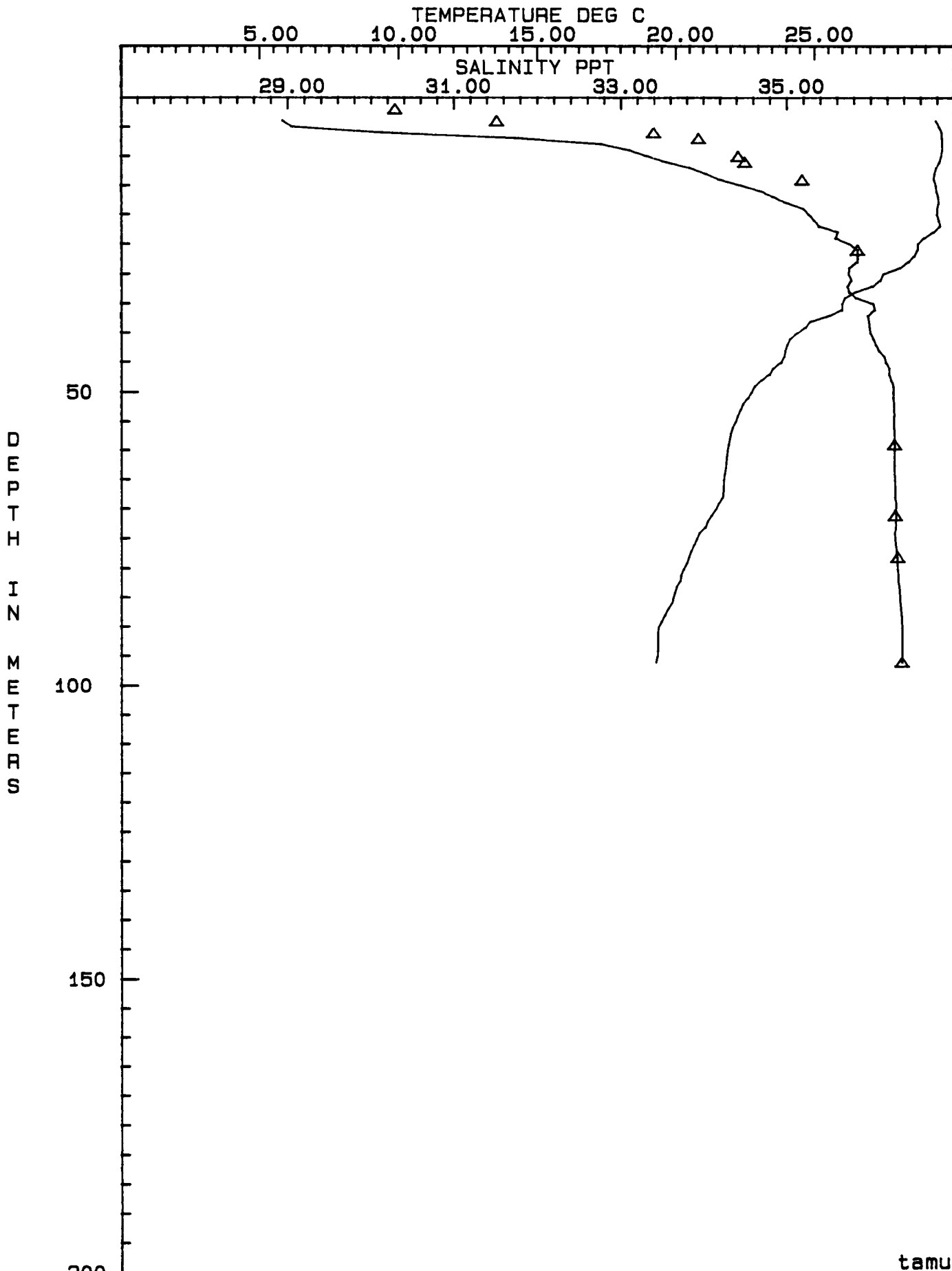
tamu

CRUISE: 90g10 STATION: SB110.PL DATE: Jul 23 09:24:05 1990
 LATITUDE: 28 38.55 LONGITUDE: 90 11.18
 TRIANGLES DENOTE DISCRETE SAMPLES



STATION SB112.PLT:: CRUISE 90g10 DATE & TIME Mon Jul 23 14:50:54 1990, Julian day = 204
 LAT 28 13.16 LON 90 14.78 DEPTH OFF SET 0.0 SALINITY OFF SET 0.0

DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM	DEPTH	TEMP	SALT	SIGMA-T	XSM
4.0	29.346	28.937	17.408	8.594	54.0	22.229	36.274	25.123	9.325					
5.0	29.459	29.056	17.459	8.886	55.0	22.151	36.270	25.142	9.327					
6.0	29.553	30.119	18.224	9.026	56.0	22.041	36.272	25.175	9.318					
7.0	29.564	31.770	19.456	9.118	57.0	21.973	36.275	25.196	9.326					
8.0	29.574	32.762	20.196	9.123	58.0	21.931	36.279	25.211	9.327					
9.0	29.571	33.097	20.448	9.120	59.0	21.894	36.279	25.221	9.322					
10.0	29.541	33.314	20.621	9.122	60.0	21.850	36.276	25.232	9.327					
11.0	29.482	33.538	20.808	9.145	61.0	21.824	36.277	25.240	9.327					
12.0	29.359	33.831	21.069	9.167	62.0	21.801	36.276	25.245	9.327					
13.0	29.292	34.023	21.235	9.177	63.0	21.786	36.276	25.249	9.329					
14.0	29.264	34.192	21.372	9.209	64.0	21.750	36.279	25.262	9.332					
15.0	29.338	34.451	21.541	9.228	65.0	21.716	36.284	25.275	9.331					
16.0	29.362	34.691	21.713	9.239	66.0	21.708	36.286	25.279	9.328					
17.0	29.424	34.833	21.798	9.248	67.0	21.701	36.287	25.281	9.333					
18.0	29.444	34.989	21.909	9.258	68.0	21.683	36.284	25.284	9.332					
19.0	29.391	35.189	22.077	9.261	69.0	21.547	36.297	25.332	9.332					
20.0	29.375	35.260	22.136	9.261	70.0	21.439	36.294	25.360	9.331					
21.0	29.437	35.321	22.161	9.268	71.0	21.280	36.296	25.406	9.325					
22.0	29.498	35.382	22.186	9.265	72.0	21.135	36.294	25.444	9.255					
23.0	29.265	35.607	22.433	9.246	73.0	21.060	36.297	25.466	9.238					
24.0	28.915	35.576	22.527	9.232	74.0	20.833	36.281	25.517	9.058					
25.0	28.689	35.739	22.725	9.230	75.0	20.744	36.288	25.546	8.879					
26.0	28.677	35.840	22.805	9.223	76.0	20.645	36.295	25.578	8.857					
27.0	28.570	35.842	22.842	9.220	77.0	20.541	36.306	25.615	8.727					
28.0	28.349	35.838	22.912	9.191	78.0	20.459	36.312	25.641	8.601					
29.0	28.052	35.737	22.935	9.104	79.0	20.383	36.314	25.663	8.561					
30.0	27.439	35.731	23.130	9.030	80.0	20.263	36.315	25.697	8.651					
31.0	27.338	35.768	23.190	9.043	81.0	20.167	36.326	25.730	8.743					
32.0	27.059	35.718	23.242	9.000	82.0	20.137	36.325	25.738	8.760					
33.0	26.450	35.739	23.452	8.942	83.0	20.007	36.337	25.781	8.822					
34.0	26.074	35.826	23.635	9.066	84.0	19.947	36.343	25.802	8.849					
35.0	25.969	36.029	23.821	9.205	85.0	19.886	36.346	25.820	8.816					
36.0	25.968	36.049	23.837	9.236	86.0	19.837	36.349	25.836	8.568					
37.0	25.515	35.961	23.911	9.239	87.0	19.706	36.353	25.873	8.437					
38.0	24.829	35.976	24.133	9.246	88.0	19.582	36.362	25.913	8.362					
39.0	24.666	35.983	24.188	9.234	89.0	19.460	36.366	25.948	8.161					
40.0	24.371	35.992	24.284	9.233	90.0	19.345	36.368	25.979	7.776					
41.0	24.107	36.027	24.389	9.249	91.0	19.321	36.370	25.987	7.346					
42.0	24.012	36.056	24.440	9.257	92.0	19.317	36.370	25.988	7.273					
43.0	23.934	36.092	24.490	9.272	93.0	19.313	36.369	25.989	7.260					
44.0	23.906	36.159	24.549	9.295	94.0	19.308	36.369	25.990	7.242					
45.0	23.794	36.177	24.595	9.301	95.0	19.295	36.367	25.991	7.239					
46.0	23.504	36.219	24.713	9.308	96.0	19.248	36.365	26.002	7.281					
47.0	23.382	36.215	24.746	9.307										
48.0	23.075	36.240	24.854	9.311										
49.0	22.838	36.265	24.942	9.314										
50.0	22.727	36.266	24.975	9.319										
51.0	22.592	36.264	25.012	9.324										
52.0	22.420	36.272	25.067	9.326										
53.0	22.335	36.271	25.091	9.326										



CRUISE: 90g10 STATION: SB112.PL DATE: Jul 23 14:50:54 1980
LATITUDE: 28 13.16 LONGITUDE: 90 14.78
TRIANGLES DENOTE DISCRETE SAMPLES

BOTTLE DATA

At each CTD station, 30-liter Niskin bottles were tripped on the upcast for analysis of nutrients, dissolved oxygen, and chlorophyll + acid degradation products. These were mounted on a General Oceanics 12-place multisampler which supported the CTD-transmissometer package. Analyses for nitrate, nitrite, ammonium, urea, silicate and phosphate were carried out on board, with a Technicon AA-II six channel autoanalyzer. Dissolved oxygen was determined by a modified Winkler titration method, and pigments were estimated by the "Turner" fluorometric method (see Parsons et al, 1985). The rest of the water was processed for determination of suspended sediment content (Dr. Sahl); phytoplankton species composition (Dr. Fryxell); and the POC, PON and stable isotopic composition of particulate matter (Mr. Lopez). These investigators will report their data separately.

The following tables and plots summarize salinity, dissolved oxygen, nutrient, and chlorophyll concentrations. In the tables, T = CTD temp; S = bottle salinity; and DO = dissolved oxygen (ml/liter). Concentrations of nutrients are reported as μ moles/liter, where N03 = nitrate; N02 = nitrite; NH4 = ammonium; SiOH4 = silicate; and P04 = phosphate; and of chlorophyll (CHL) as ug/liter.

At the end of this section, property-property plots of nitrate-temperature, phosphate-temperature, and silicate-temperature summarize nutrient-temperature relationships for the Texas continental shelf (stations 03-54).

Reference:

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

One liter (or 500mls when concentrations of suspended particles were high) of seawater from each bottle depth 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.

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION B90610*1*1 DATE 11JUL90 GMT 1600 LATITUDE 29 15.7 LONGITUDE 94 34.7

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
0	----	-----	.42	-----	-----	30.738	4.502	.16	.14	8.20	.19	.03	.2
5	----	-----	.47	-----	-----	31.074	4.497	.24	.27	7.22	.19	.06	.2
9	----	-----	1.97	-----	-----	31.126	4.427	.35	.26	7.97	.21	.09	.1

CRUISE 90610 STATION B90610*2*1 DATE 11JUL90 GMT 1836 LATITUDE 29 10.9 LONGITUDE 94 37.1

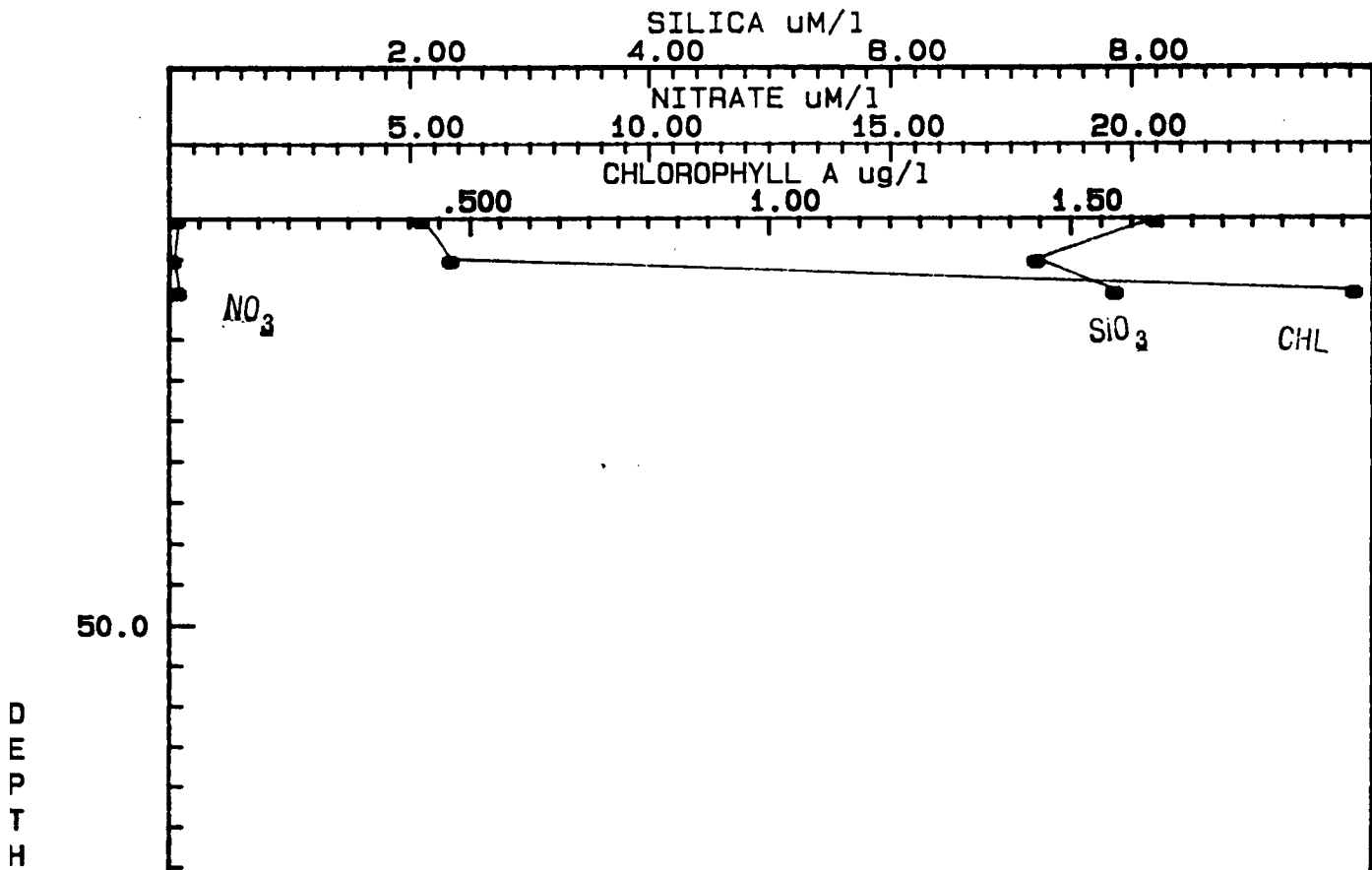
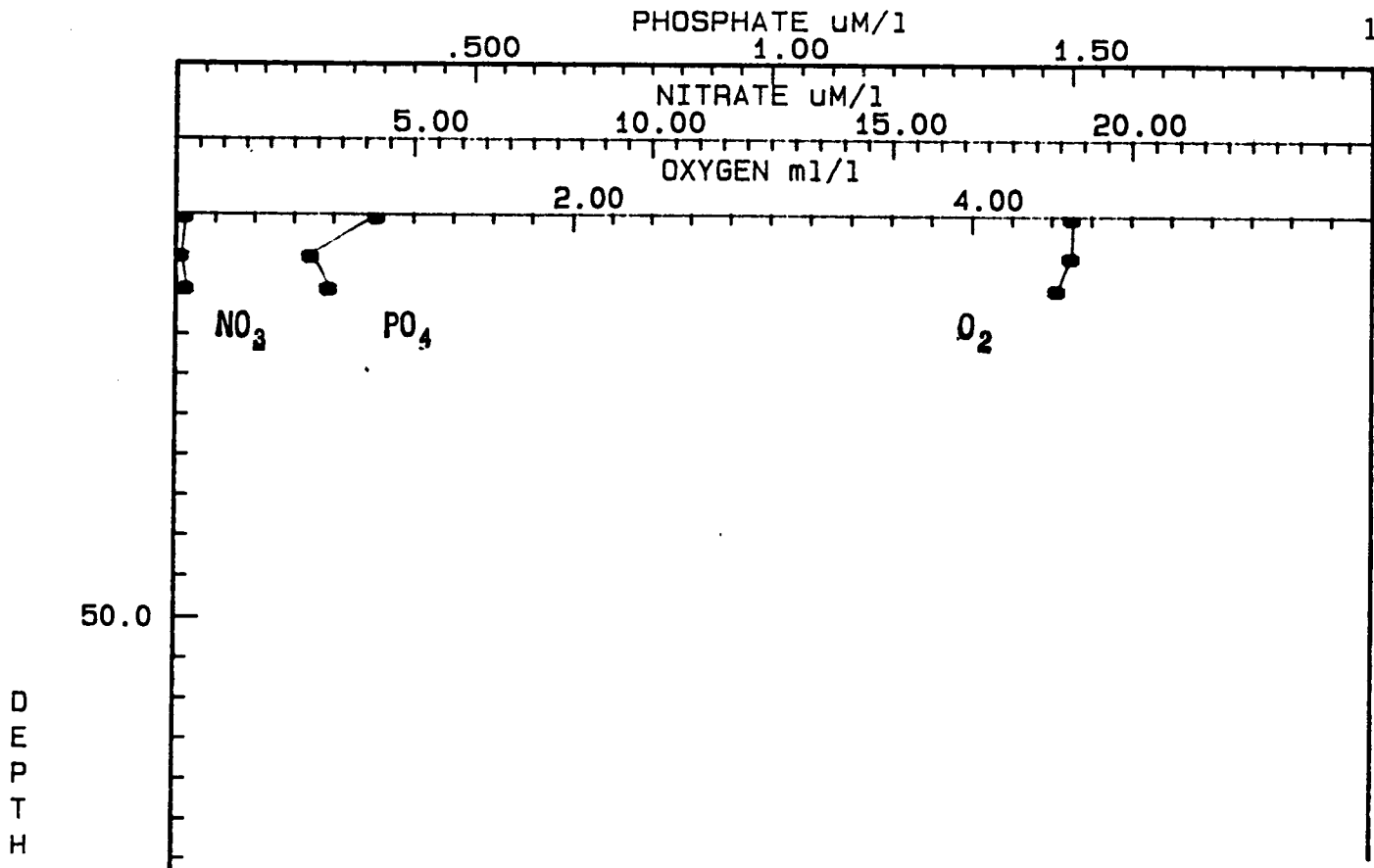
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	30.17	.71	-----	-----	31.657	4.607	.09	.12	6.97	.24	.01	.1
3	----	29.68	.79	-----	-----	32.590	4.229	.40	.24	12.50	.18	.04	1.2
13	----	28.99	2.03	-----	-----	32.923	3.170	.59	.49	20.26	.48	.25	1.3

CRUISE 90610 STATION B90610*3*1 DATE 11JUL90 GMT 2037 LATITUDE 29 3.8 LONGITUDE 94 29.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	30.34	.15	-----	-----	31.501	4.646	.05	.04	3.73	.19	.01	.0
8	----	29.83	.20	-----	-----	31.758	4.635	.06	.05	4.15	.21	.01	.1
13	----	29.79	.26	-----	-----	31.848	4.926	.05	.05	4.50	.46	.01	.1

CRUISE 90610 STATION B90610*4*1 DATE 11JUL90 GMT 2037 LATITUDE 29 3.8 LONGITUDE 94 29.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	30.56	.31	-----	-----	29.657	4.702	.06	.05	2.59	.21	.01	.0
3	----	30.11	.71	-----	-----	30.051	4.645	.06	.09	7.44	.18	.01	0.0
14	----	29.26	1.97	-----	-----	32.226	3.886	.06	.24	9.33	.08	.01	.1



CRUISE: B0G10 STATION: B90G10*1*1 DATE: 11JUL90
LATITUDE: 29 18.3 LONGITUDE: 84 34.3

.500

1.00

1.50

NITRATE $\mu\text{M}/1$

5.00

10.00

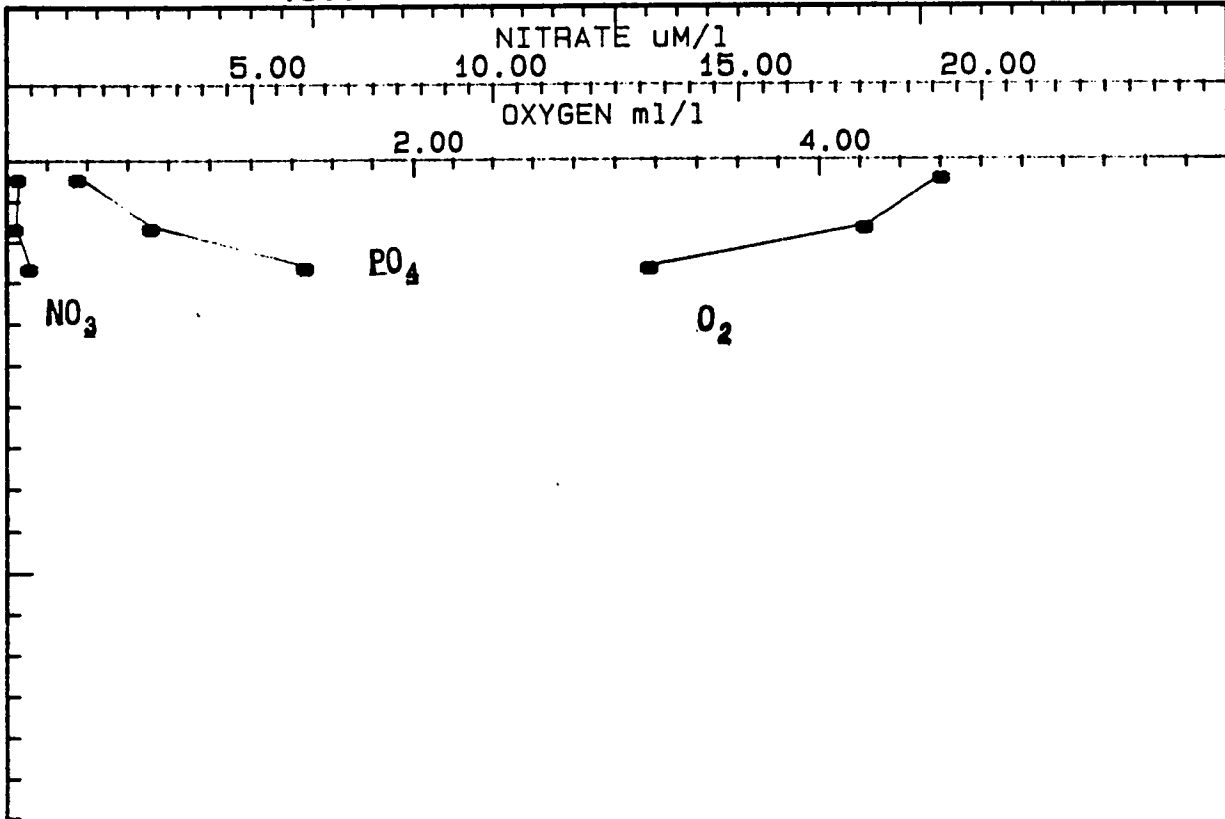
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20.00

OXYGEN ml/1

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4.00



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SILICA $\mu\text{M}/1$

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CHLOROPHYLL A $\mu\text{g}/1$

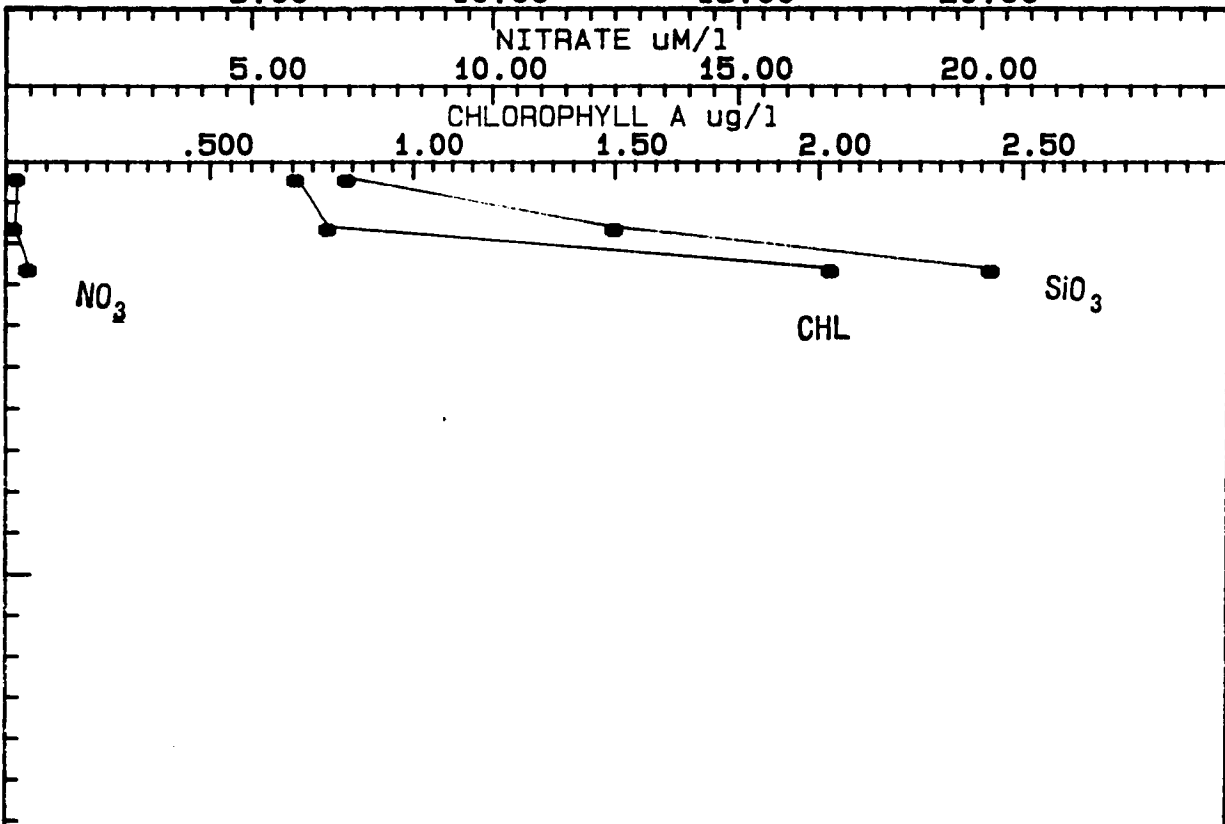
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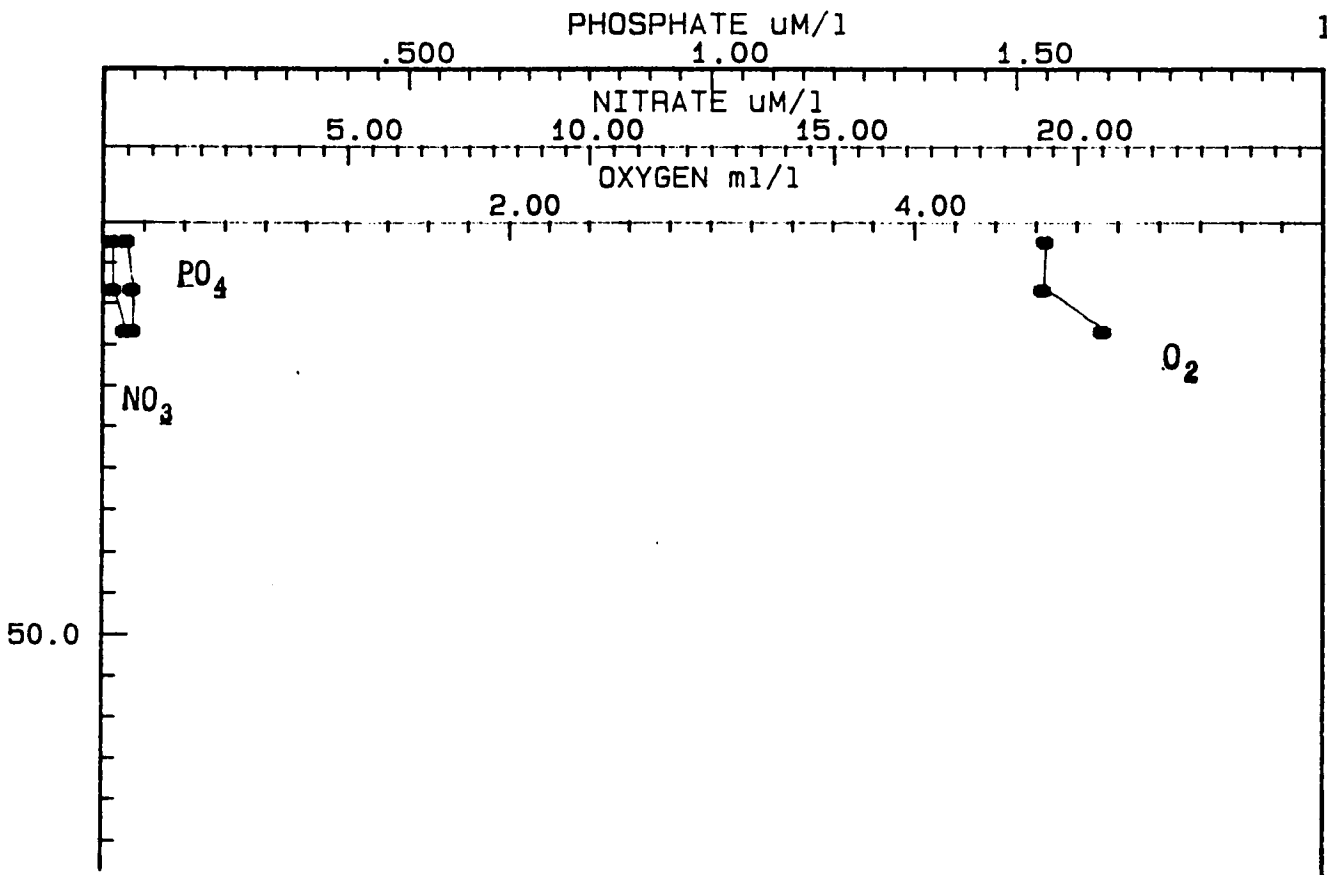
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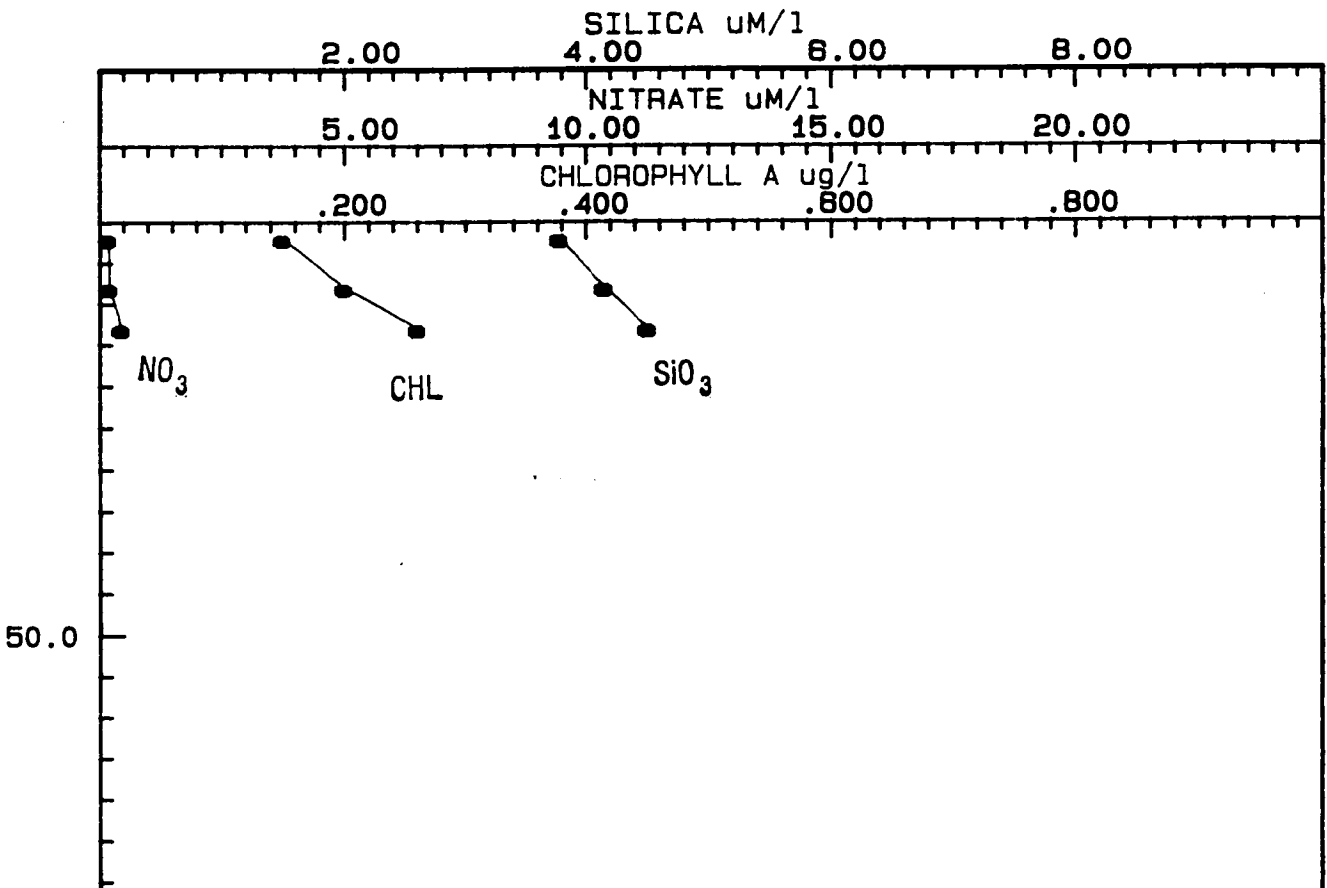
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CRUISE: 90G10 STATION: B90G10*2*1 DATE: 11JUL90
LATITUDE: 29 10.9 LONGITUDE: 94 37.1

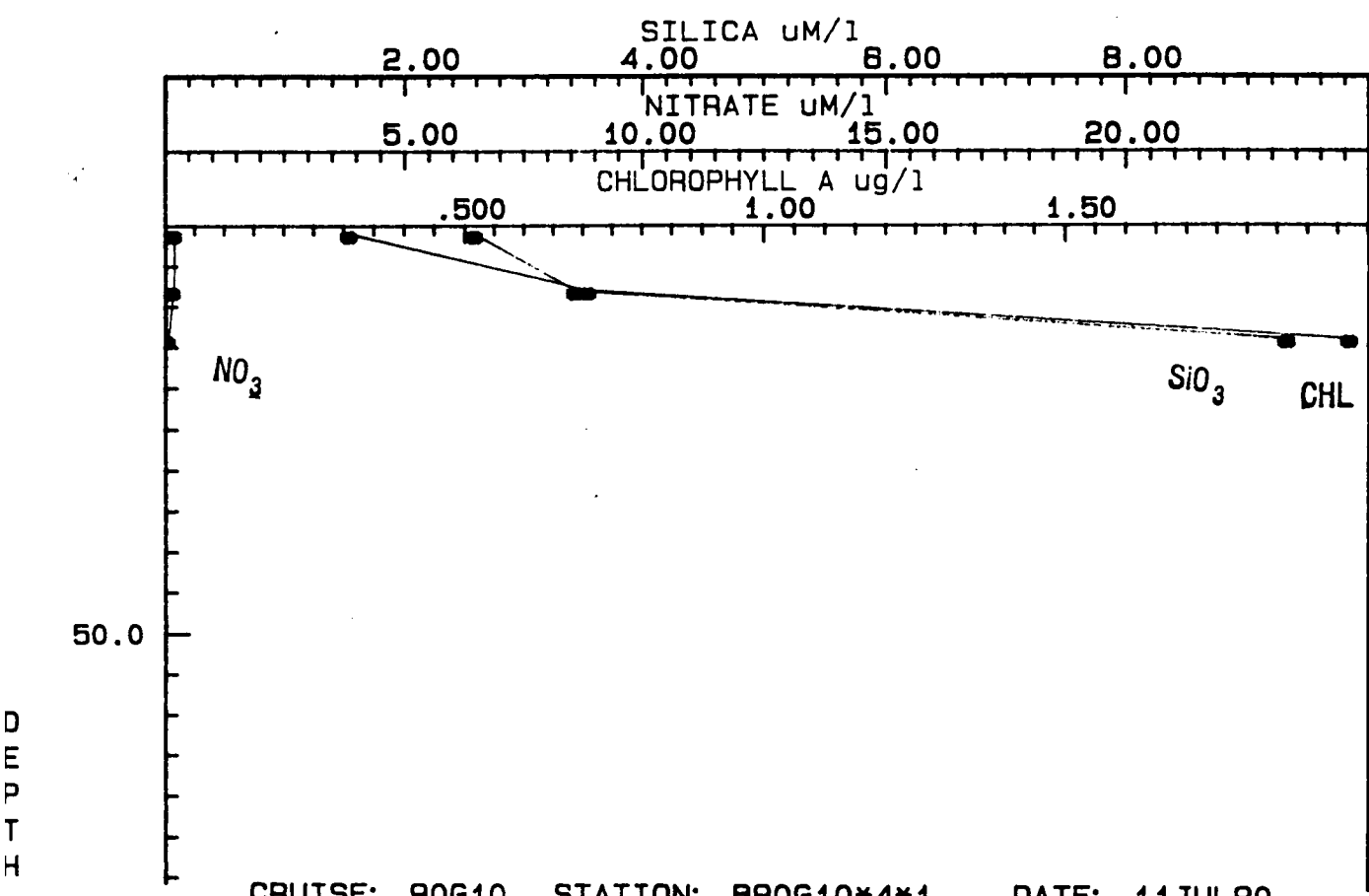
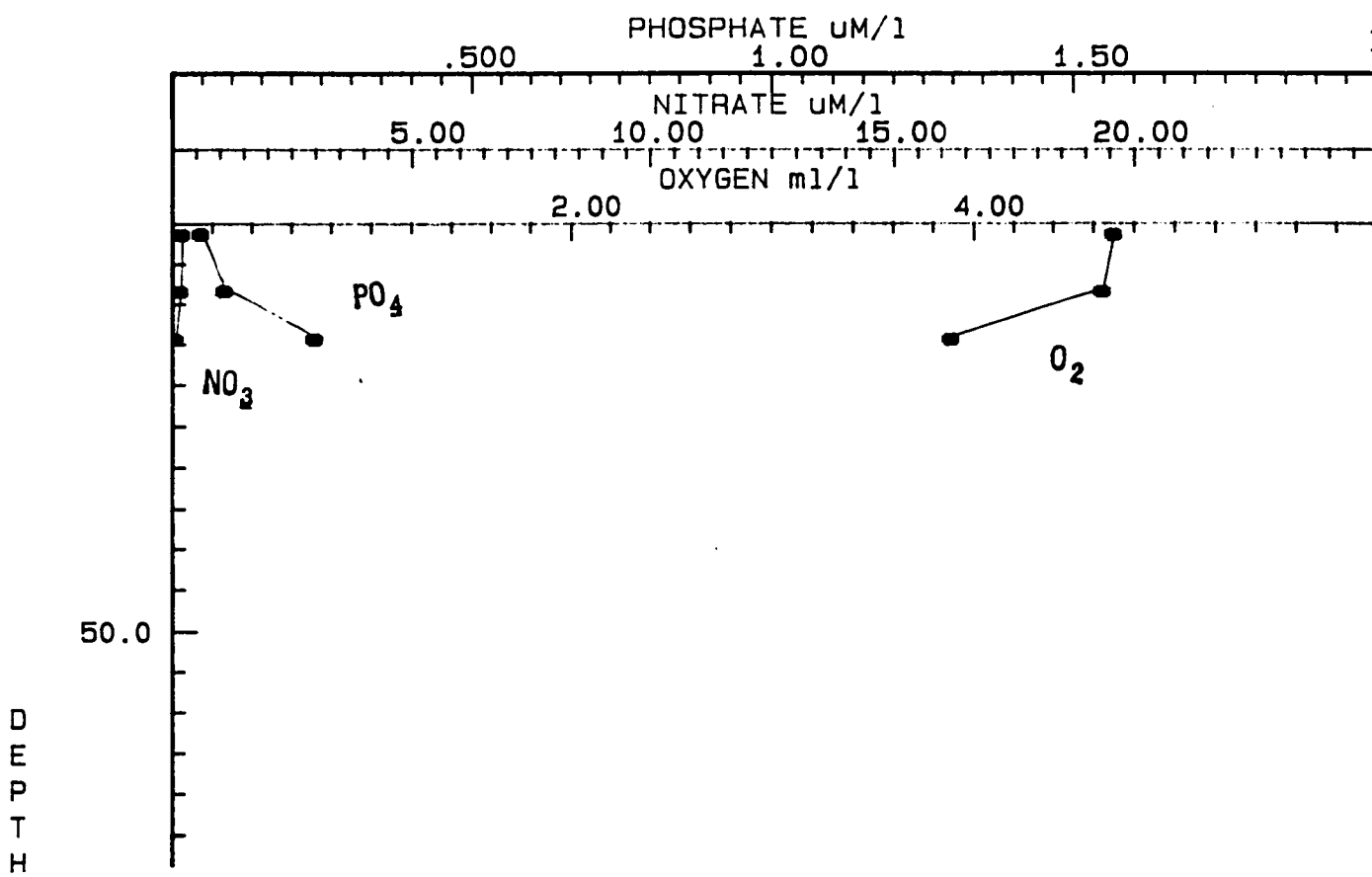
DEPTH



DEPTH



CRUISE: 90G10 STATION: B90G10*3*1 DATE: 11JUL90
LATITUDE: 29 3.8 LONGITUDE: 94 29.5



CRUISE: 90G10 STATION: B90G10*4*1 DATE: 11JUL90
LATITUDE: 29 3.8 LONGITUDE: 94 28.5

CRUISE 90G10 STATION B90G10+5*1 DATE 11JUL90 GMT 2124 LATITUDE 23 59.2 LONGITUDE 94 25.7

WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	30.33	.34	-----	29.796	5.010	.06	.06	3.06	.39	.01	.1
7	----	29.81	.48	-----	30.475	4.951	.05	.07	3.43	.20	.01	.1
13	----	29.48	.71	-----	31.373	4.670	.10	.12	4.21	.25	0.00	.2

CRUISE 90G10 STATION B90G10+6*1 DATE 11JUL90 GMT 2227 LATITUDE 23 54.2 LONGITUDE 95 22.0

WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	30.96	.19	-----	30.170	5.049	.08	.06	2.92	.15	.01	.1
7	----	29.89	.28	-----	30.174	4.966	.10	.05	2.92	.08	.02	.0
11	----	29.53	1.10	-----	32.541	4.253	.07	.25	7.89	.57	.22	.1
16	----	26.79	4.30	-----	34.946	2.027	.19	.91	37.40	3.09	1.92	.2
20	----	26.82	4.51	-----	34.740	2.154	.11	.87	36.30	3.23	1.83	.5

CRUISE 90G10 STATION B90G10+7*1 DATE 12JUL90 GMT 0430 LATITUDE 23 49.6 LONGITUDE 94 17.8

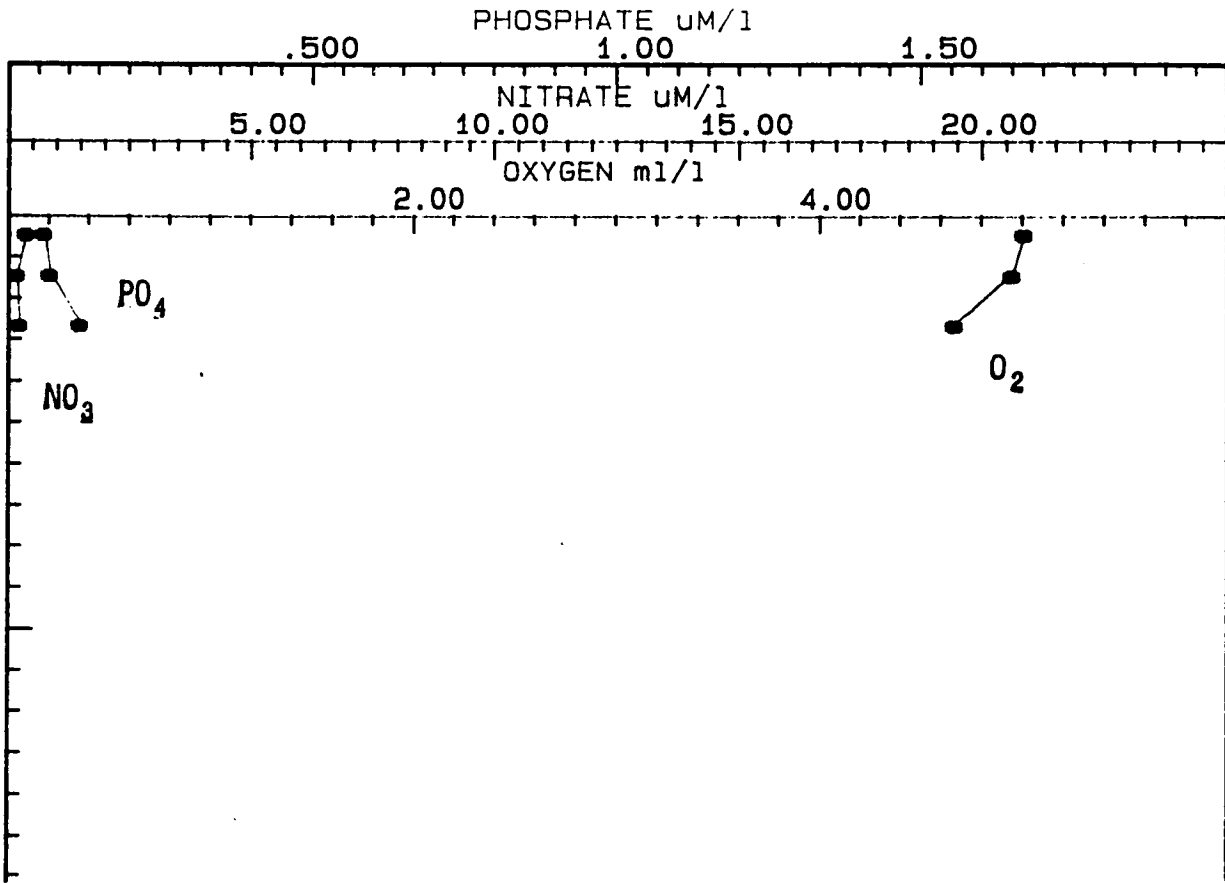
WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.90	.11	-----	30.692	4.986	.04	.02	3.18	.39	0.00	.2
7	----	29.89	.22	-----	30.827	4.717	.04	.02	3.14	.23	0.00	.1
11	----	29.38	.48	-----	31.983	4.264	.10	.09	4.71	.29	.01	.2
17	----	28.14	1.10	-----	33.688	3.385	.07	.32	9.71	.31	.16	.1
22	----	26.07	1.92	-----	35.468	2.232	.09	.54	30.00	3.79	2.35	.2

CRUISE 90G10 STATION B90G10+8*1 DATE 12JUL90 GMT 0547 LATITUDE 23 45.3 LONGITUDE 94 13.7

WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.71	.12	-----	29.718	4.704	.10	.01	2.45	.09	.01	.0
7	----	29.77	.17	-----	30.173	4.715	.07	0.00	2.53	.02	.01	.0
12	----	29.88	.16	-----	31.191	4.706	.10	.02	3.58	.06	.01	.1
17	----	29.71	.44	-----	32.479	4.289	.13	.07	7.14	.30	.10	.1
25	----	25.73	1.32	-----	35.513	3.544	.27	.18	16.70	1.24	.64	.2

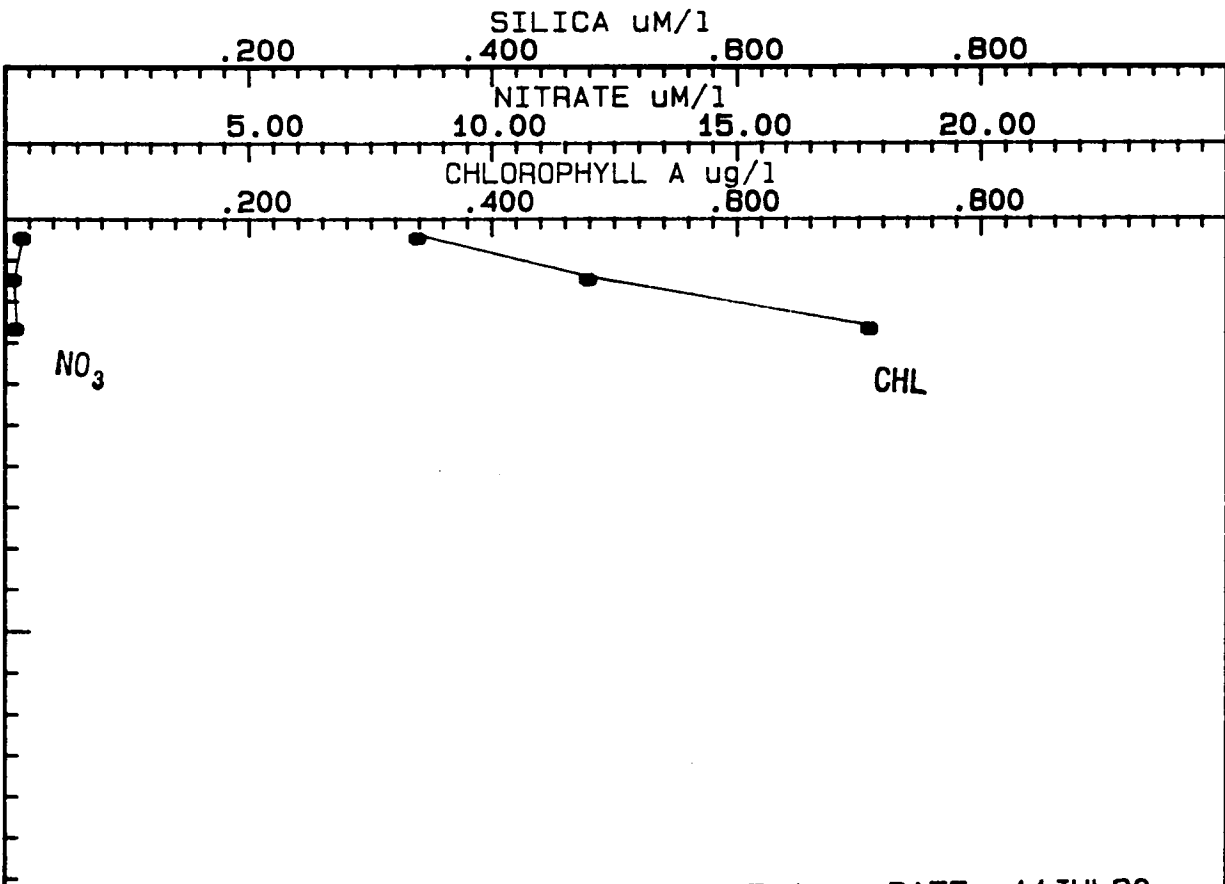
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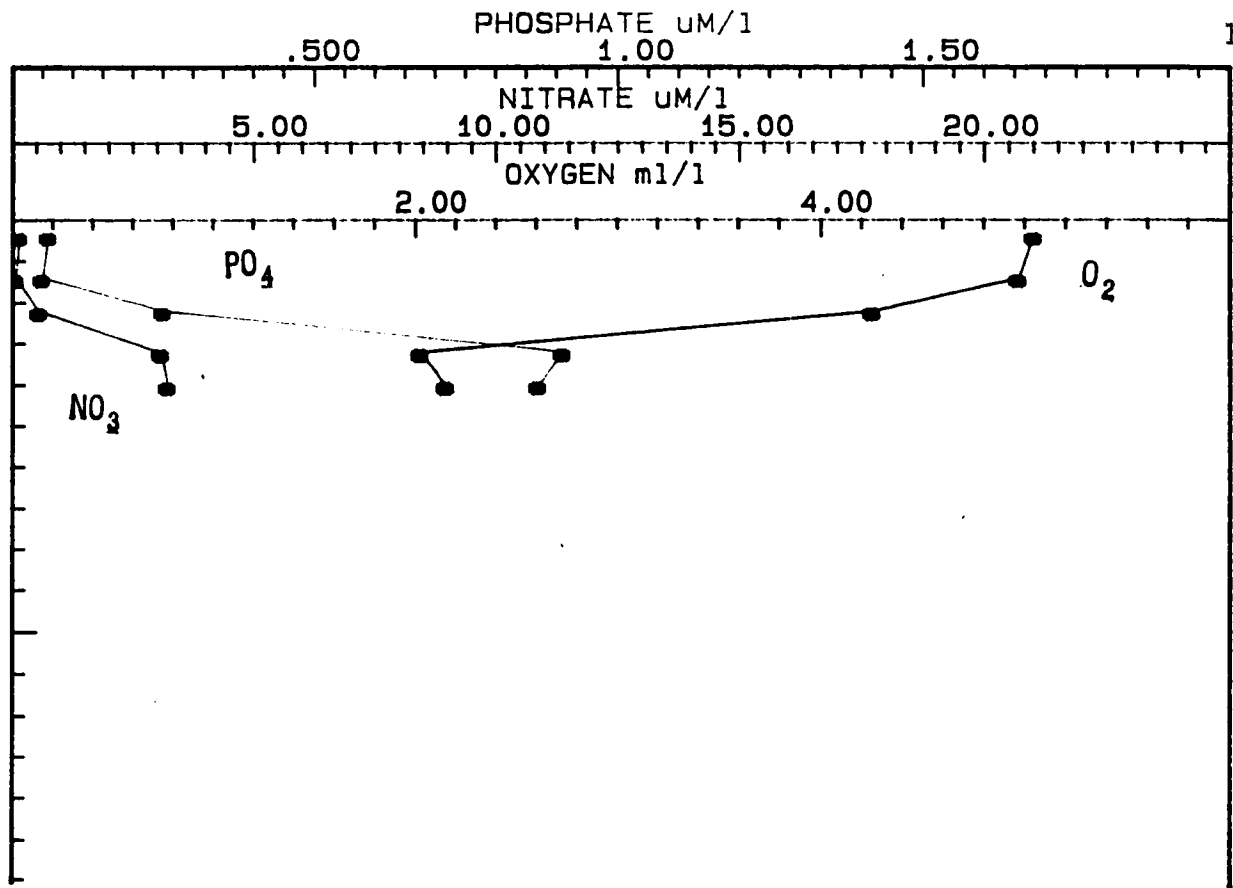
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CRUISE: 90G10 STATION: B90G10*5*1 DATE: 11JUL90
LATITUDE: 28 59.2 LONGITUDE: 94 25.7

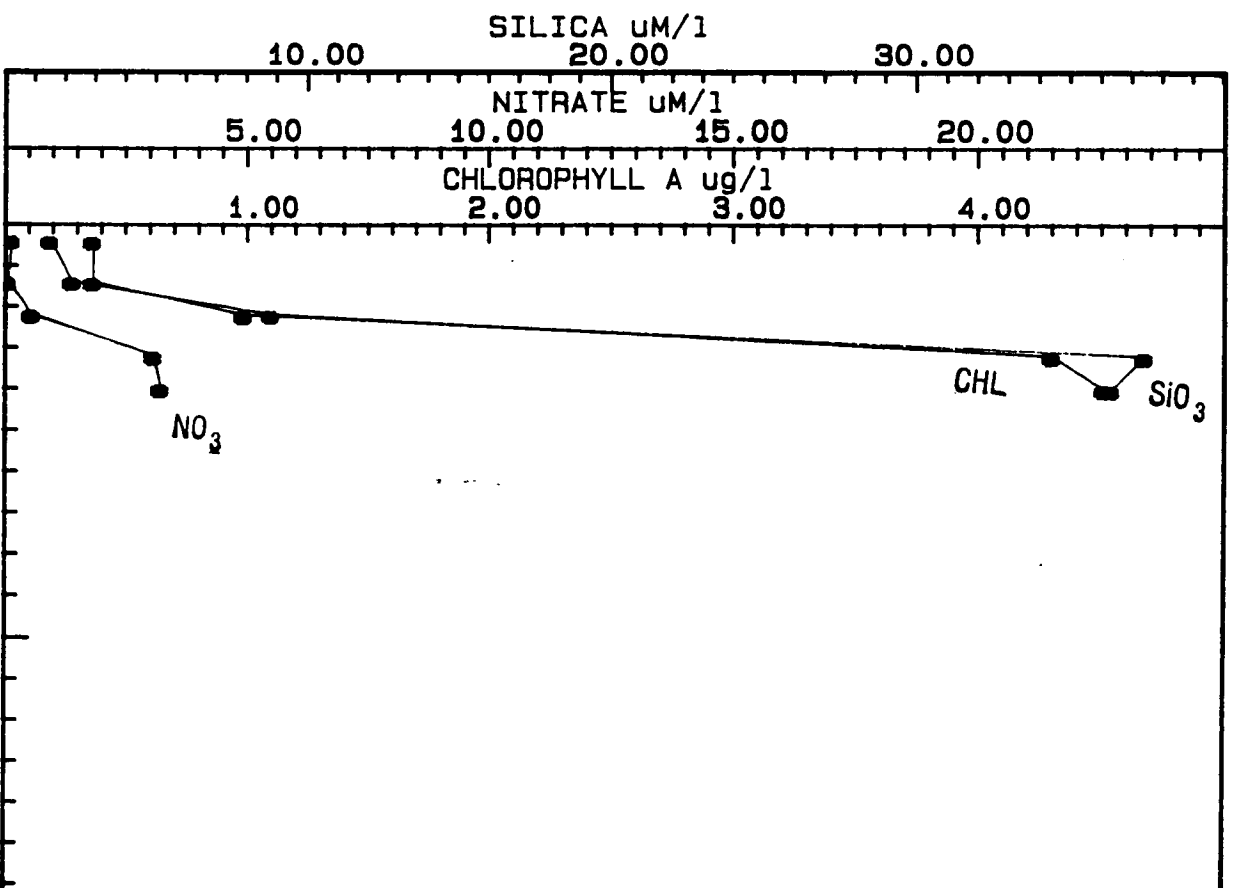
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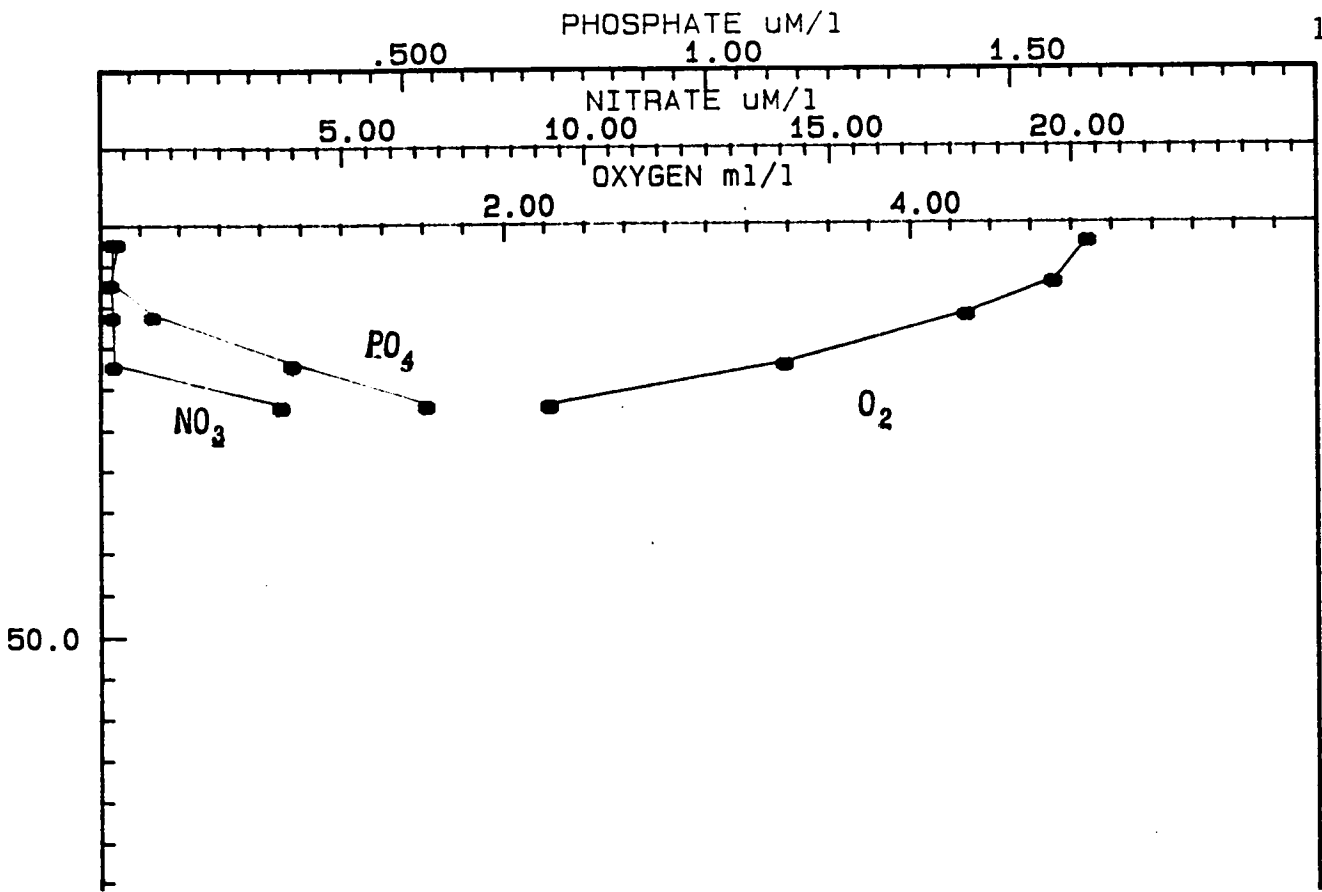
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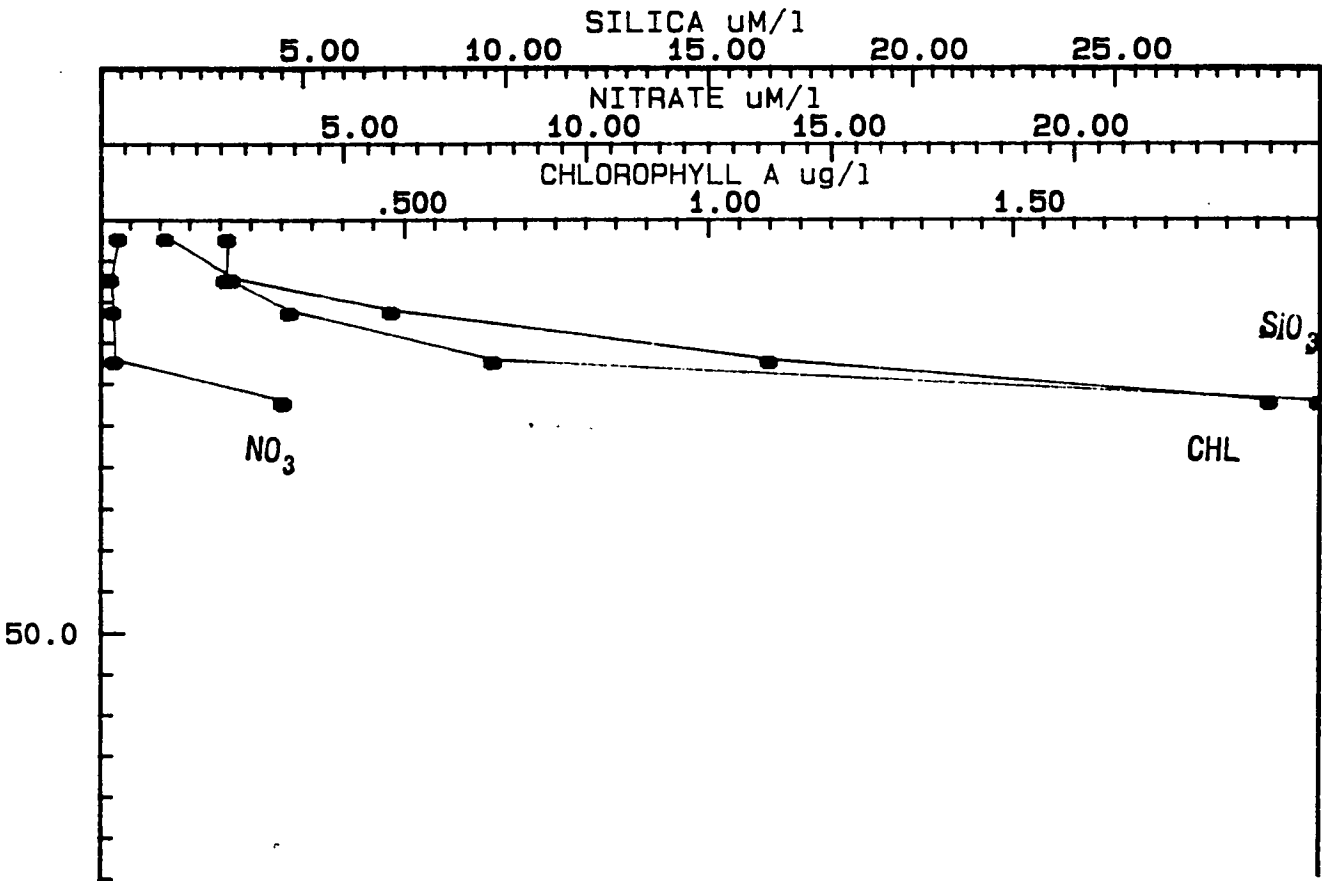


CRUISE: 90G10 STATION: B90G10*6*1 DATE: 11JUL90
LATITUDE: 28 54.2 LONGITUDE: 95 22.0

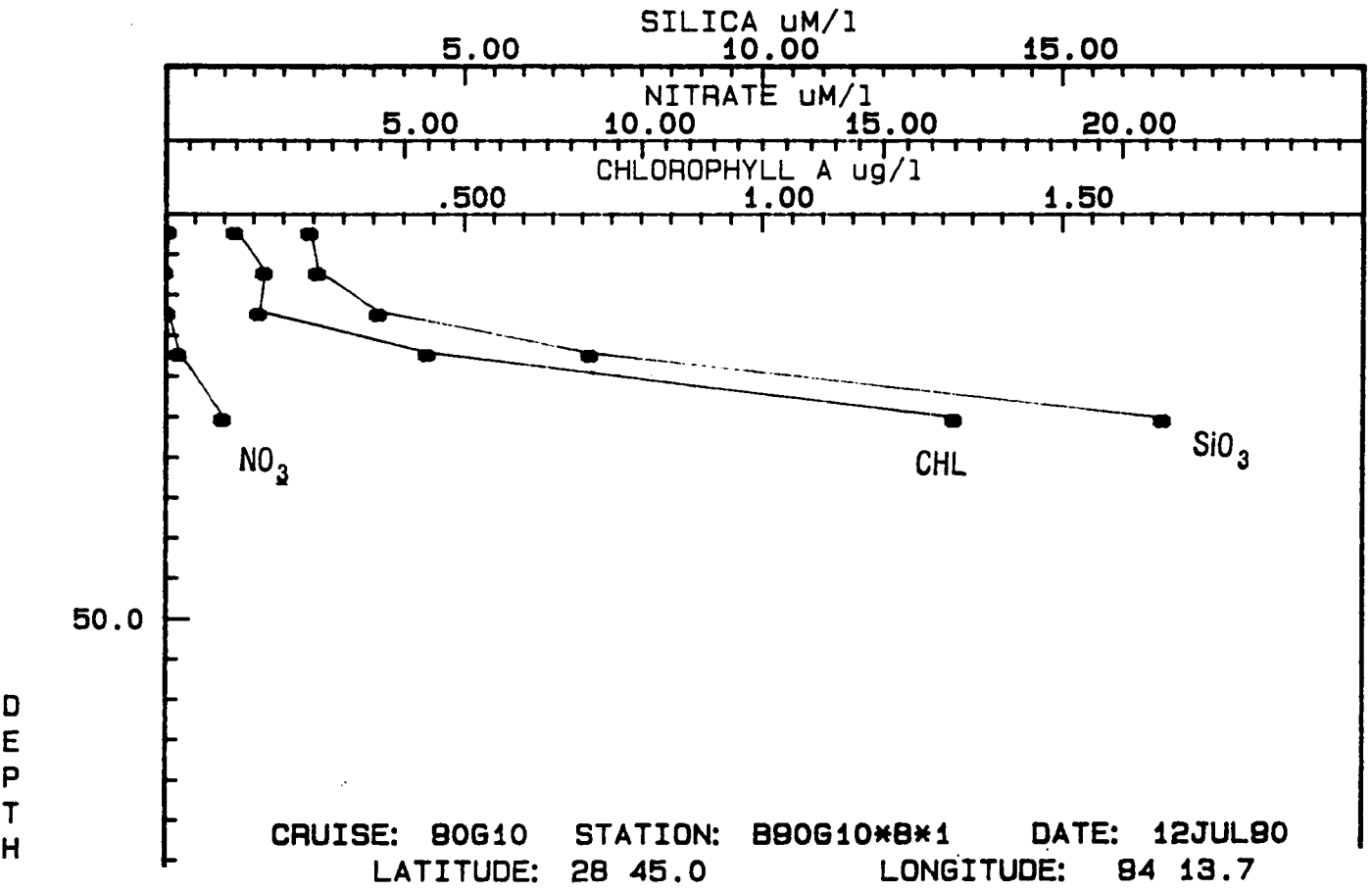
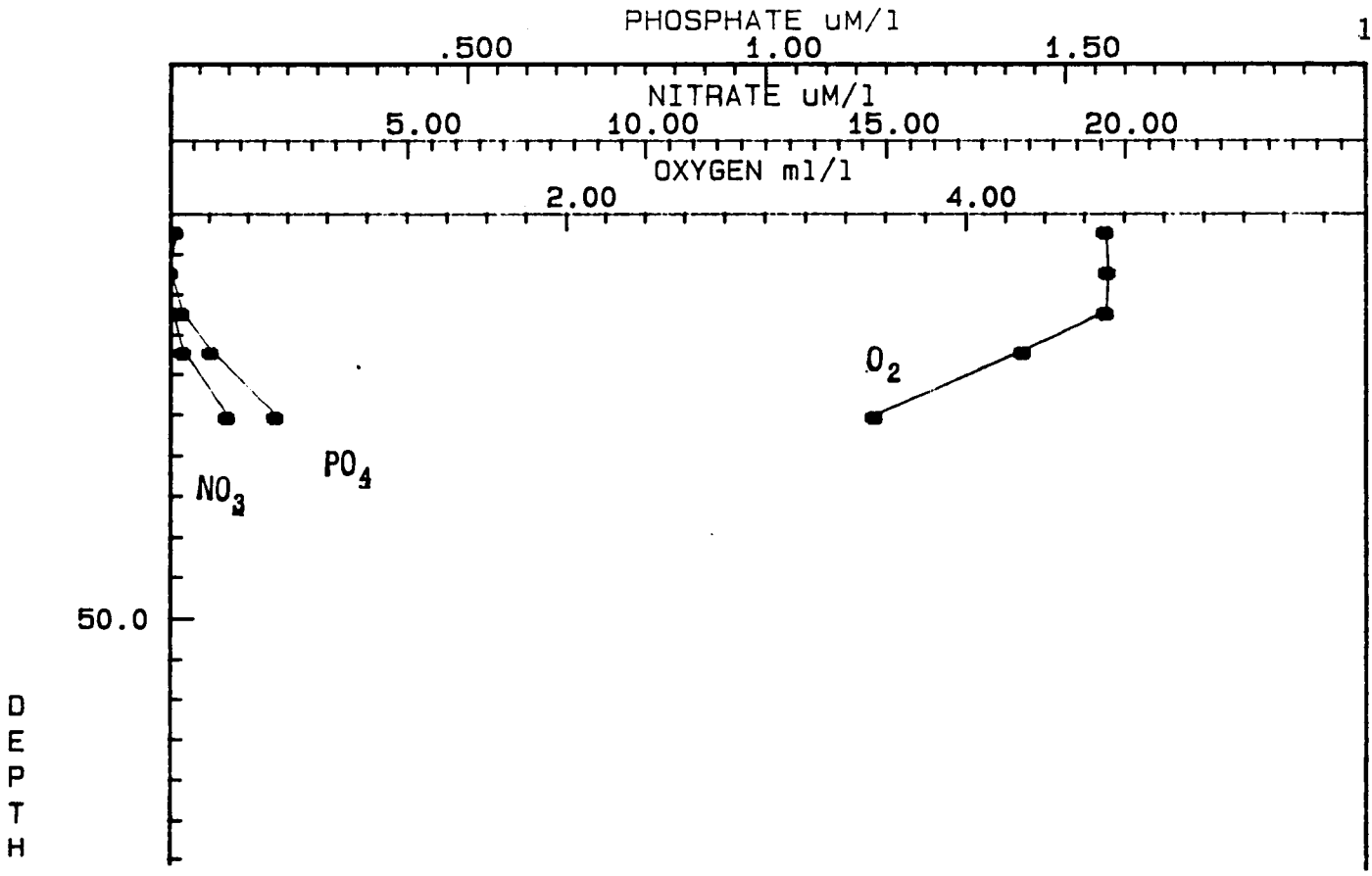
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CRUISE: 80G10 STATION: B80G10*7*1 DATE: 12JUL80
LATITUDE: 28 49.9 LONGITUDE: 94 17.8



CRUISE: 80G10 STATION: B90G10*8*1 DATE: 12JUL80
LATITUDE: 28 45.0 LONGITUDE: 84 13.7

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION B90610*9*1 DATE 10JUL90 GMT 1104 LATITUDE 29 40.7 LONGITUDE 94 9.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICHA4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.67	.11	-----	29.908	5.317	.04	.02	2.44	.13	0.00	.0
7	----	29.63	.12	-----	30.043	4.722	.02	.02	2.54	.13	0.00	.0
14	----	29.77	.16	-----	31.524	4.597	.03	.02	3.16	.11	0.00	.1
18	----	28.64	.21	-----	33.652	4.605	.02	.02	3.50	.02	0.00	.1
22	----	26.38	.24	-----	34.912	4.793	0.00	.02	3.66	.05	0.00	.0
28	----	25.81	.31	-----	35.421	4.706	.02	.03	5.11	.05	0.00	.0

CRUISE 90610 STATION B90610*13*1 DATE 10JUL90 GMT 1202 LATITUDE 29 35.3 LONGITUDE 94 5.3

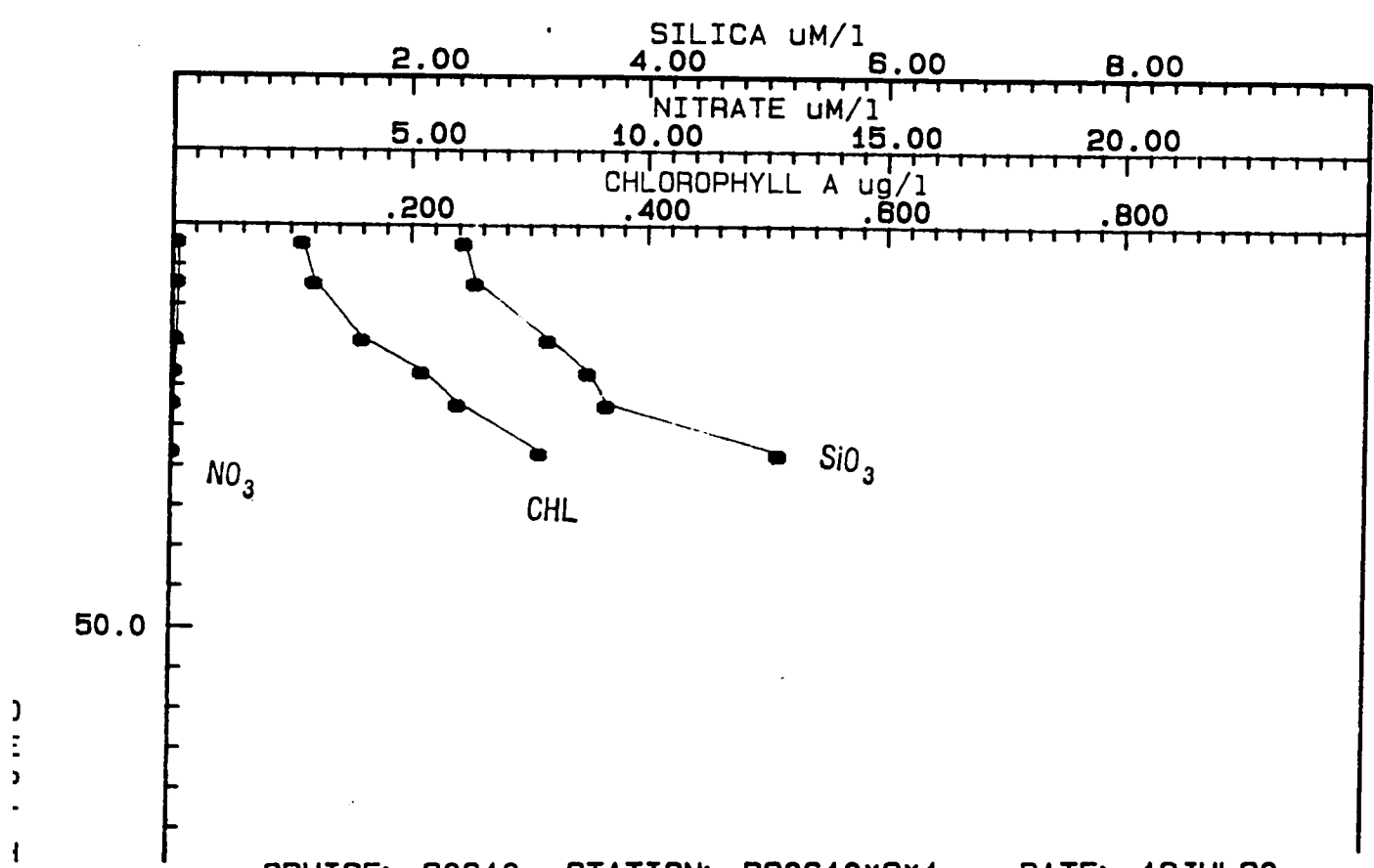
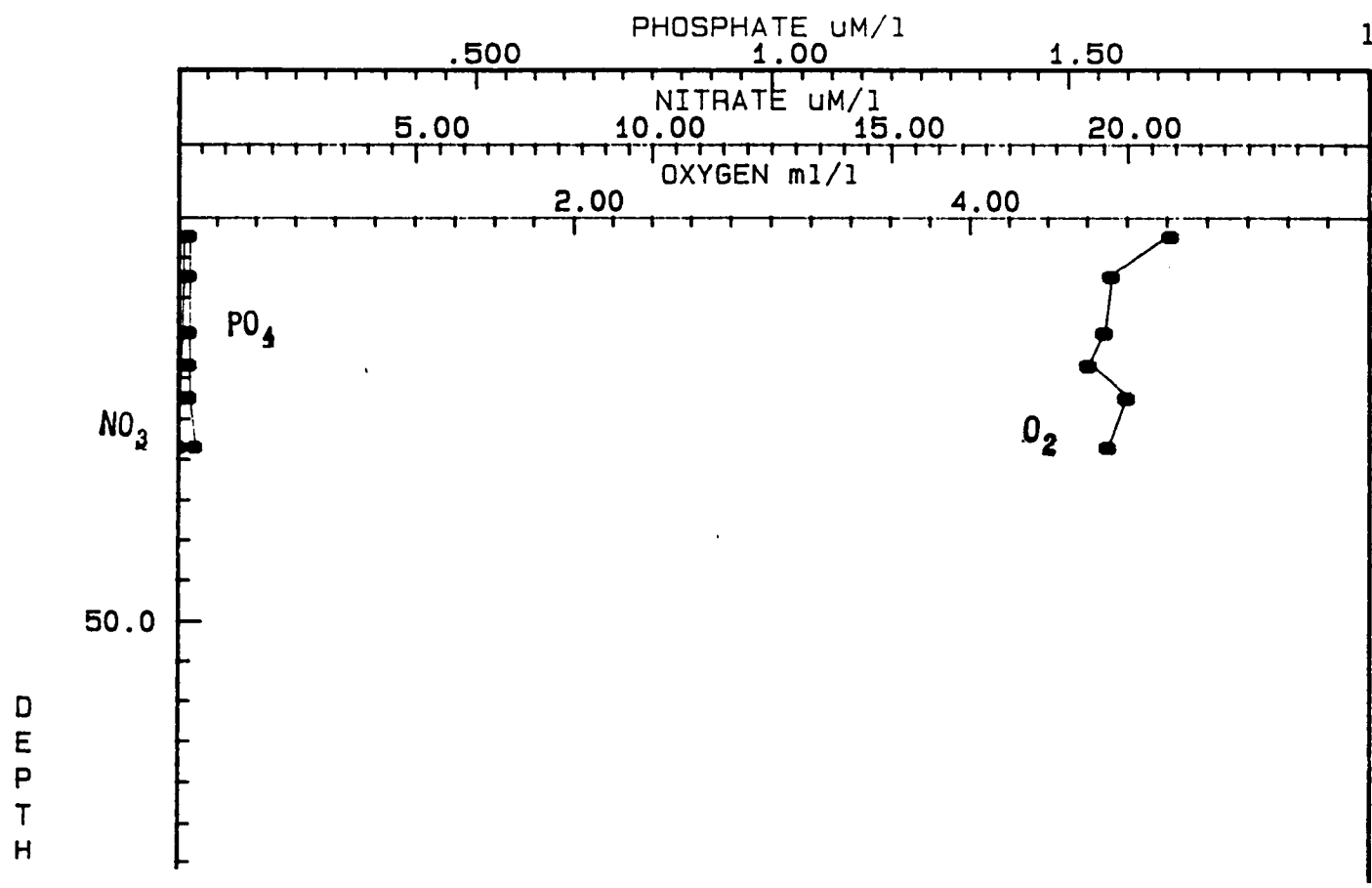
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICHA4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.65	.15	-----	30.466	4.700	.01	.03	2.21	.12	.01	.2
7	----	29.66	.13	-----	30.591	4.673	.01	.05	2.36	.10	.01	.2
11	----	29.67	.16	-----	31.935	4.539	.02	.04	2.77	.13	.01	.3
17	----	29.71	.17	-----	34.282	4.389	.11	.06	3.95	.19	.02	.5
22	----	26.09	.24	-----	35.150	4.990	.01	.05	4.38	.22	.01	.3
27	----	25.58	.49	-----	35.757	4.163	.06	.08	9.57	.27	.03	.3
32	----	24.69	.64	-----	35.868	3.603	.01	.10	13.20	.29	.05	.1

CRUISE 90610 STATION B90610*11*1 DATE 10JUL90 GMT 1330 LATITUDE 29 30.1 LONGITUDE 94 11.2

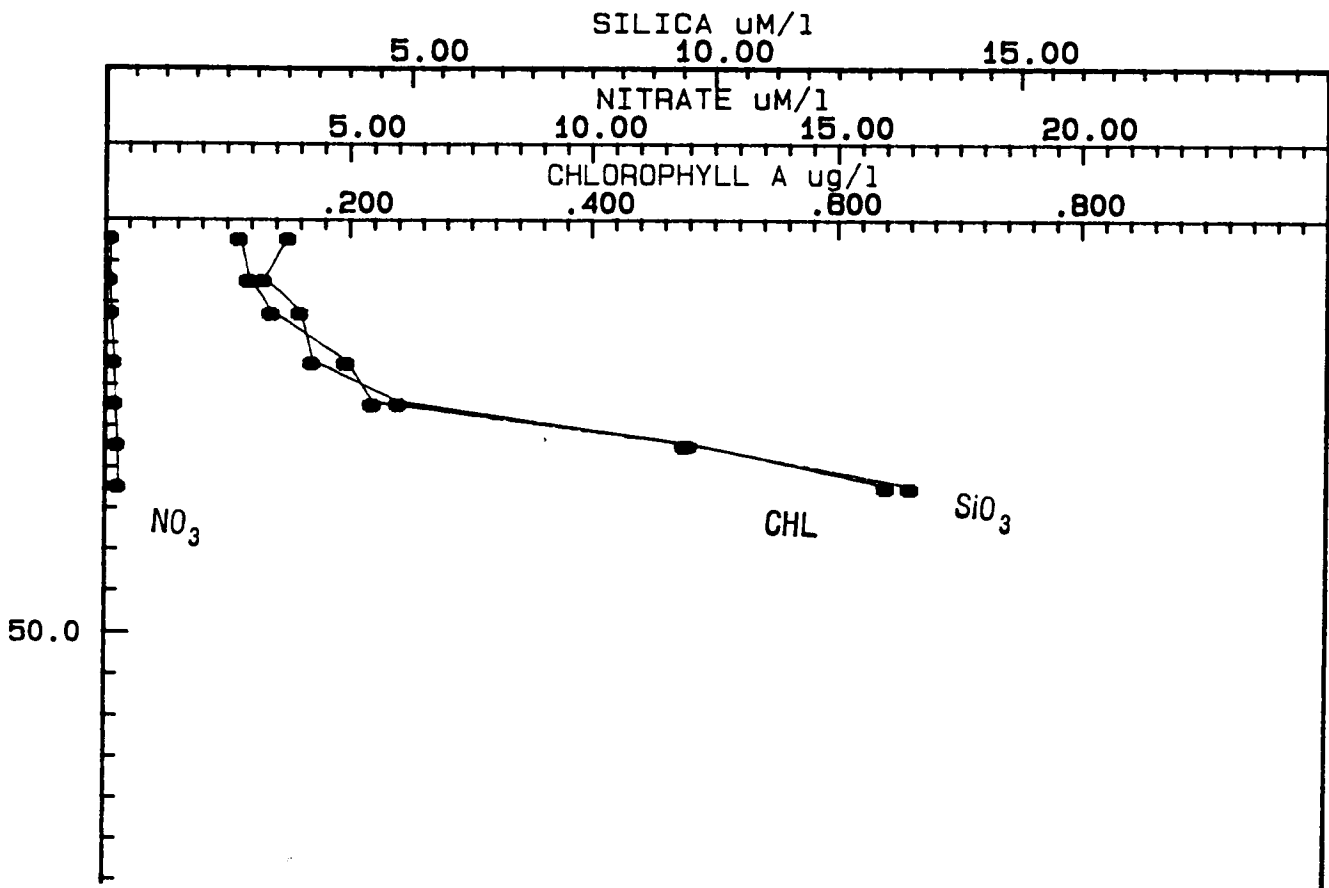
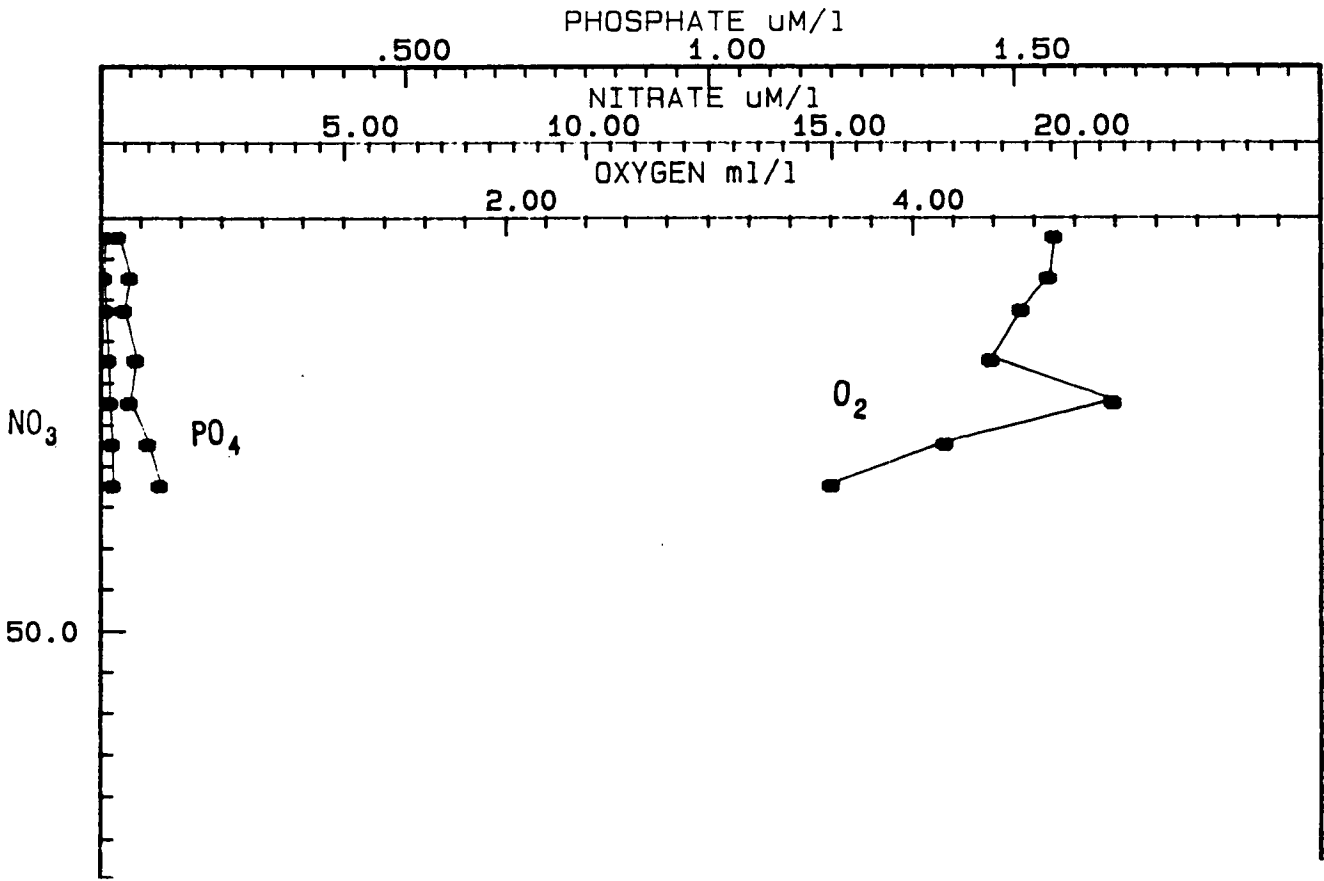
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICHA4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.90	.12	-----	30.110	4.660	.01	.01	1.95	.05	0.00	.1
6	----	29.31	.14	-----	30.154	4.533	0.02	.01	1.95	.03	0.00	.1
11	----	29.86	.16	-----	30.407	4.702	.03	.01	2.05	0.00	0.00	.2
21	----	29.19	.19	-----	34.061	4.714	.04	.03	3.32	0.00	.01	0.0
31	----	25.59	.29	-----	35.350	4.564	.02	.02	6.08	.02	.01	.1
37	----	23.76	.58	-----	35.999	4.406	.07	.07	6.65	.32	.04	.1

CRUISE 90610 STATION B90610*10*1 DATE 10JUL90 GMT 1431 LATITUDE 29 25.7 LONGITUDE 94 21.7

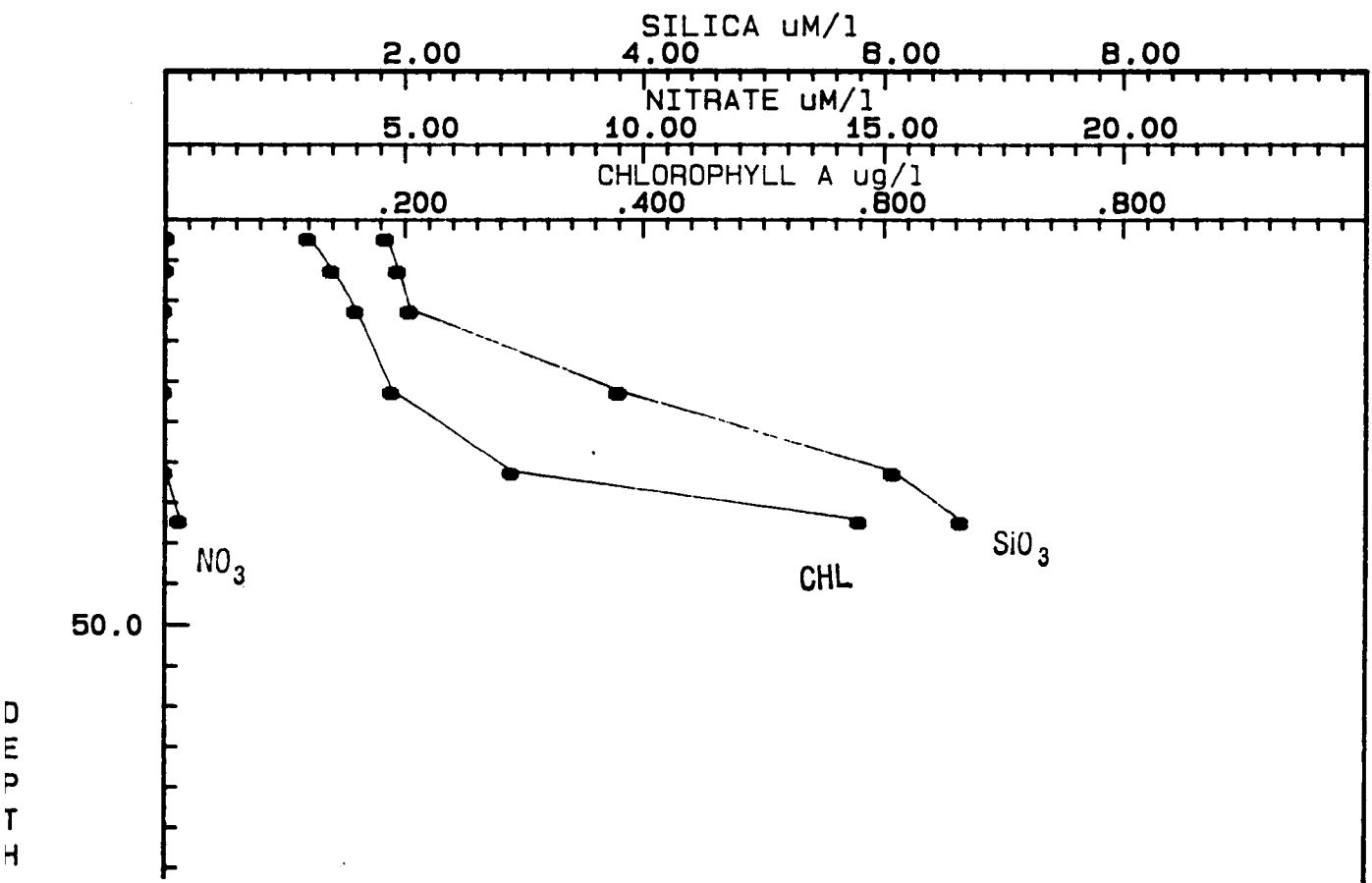
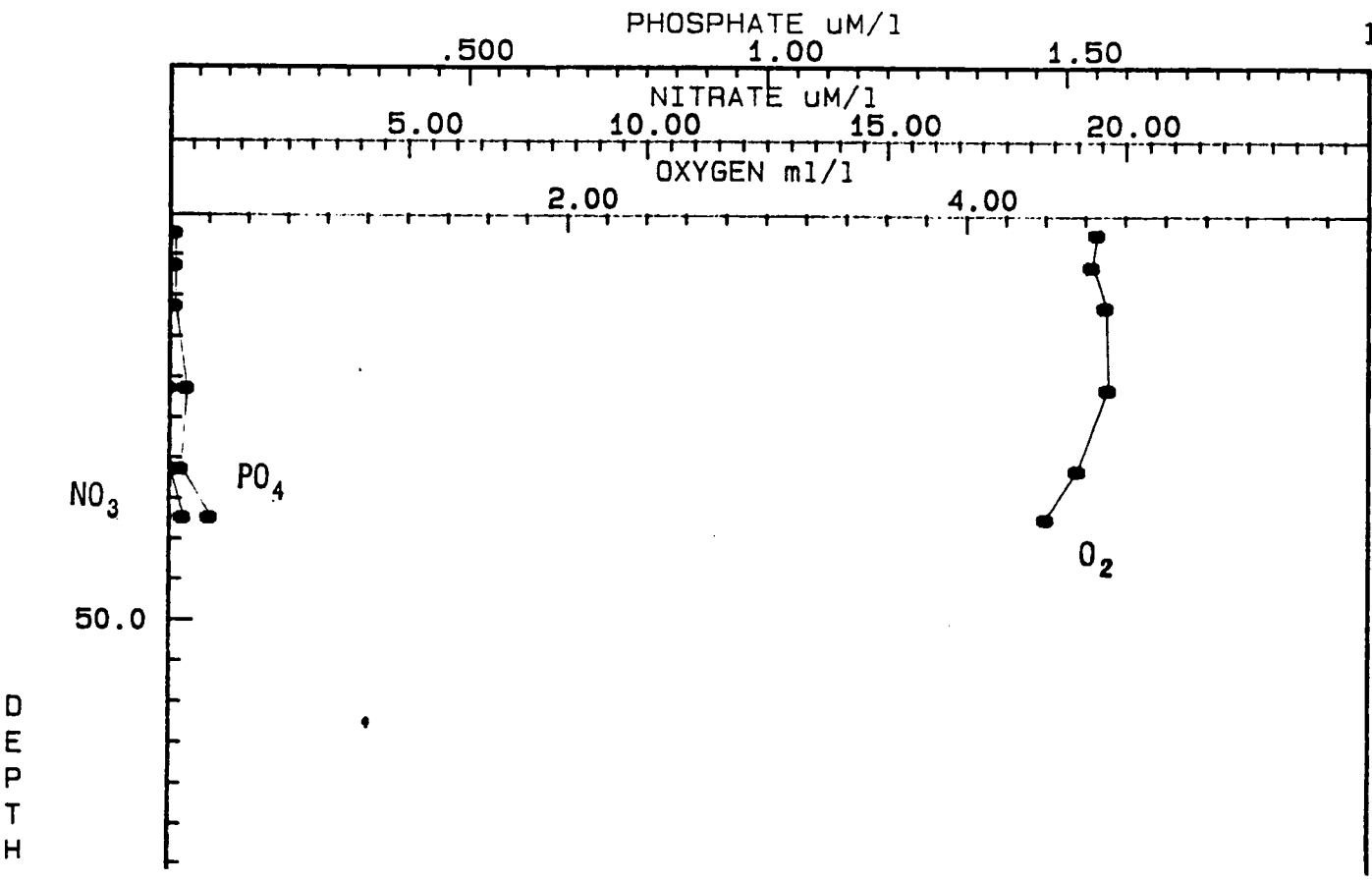
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICHA4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.89	.13	-----	29.997	4.695	.07	.02	1.94	.15	.01	.2
7	----	29.35	.14	-----	29.935	4.592	.02	.02	1.91	.24	.01	.1
17	----	29.79	.26	-----	32.049	4.678	.02	.02	2.43	.21	.01	.1
26	----	27.46	.44	-----	35.439	5.339	0.00	.02	4.05	.24	.01	.0
37	----	24.42	.77	-----	34.052	3.844	0.00	.03	6.85	.55	.22	.0
47	----	22.31	.66	-----	35.200	4.399	.04	.16	7.72	1.49	.21	.1



CRUISE: 90G10 STATION: B90G10*9*1 DATE: 12JUL80
LATITUDE: 28 40.5 LONGITUDE: 94 9.5

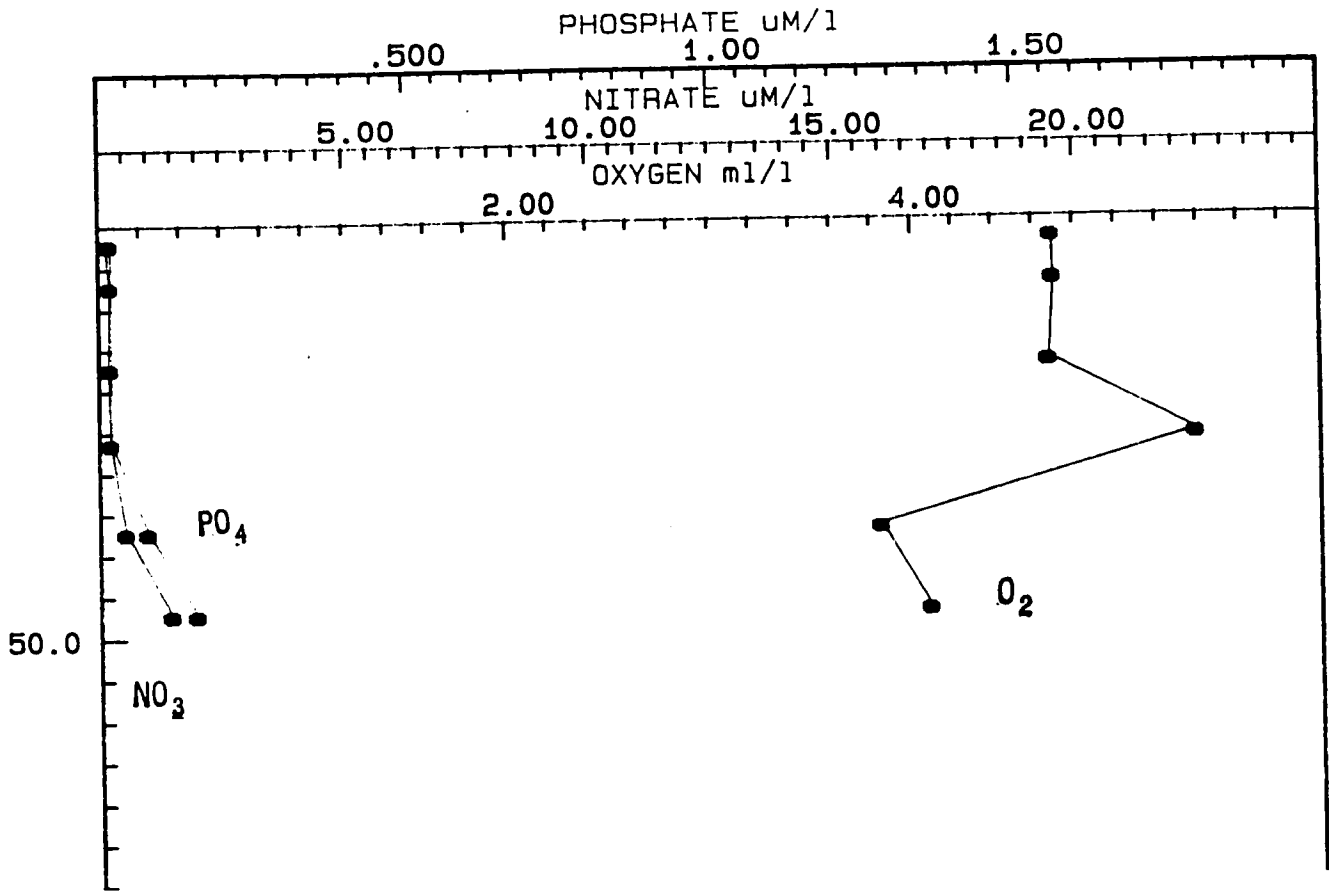


CRUISE: 80G10 STATION: B80G10*10*1 DATE: 12JUL80
LATITUDE: 28 35.3 LONGITUDE: 94 5.3

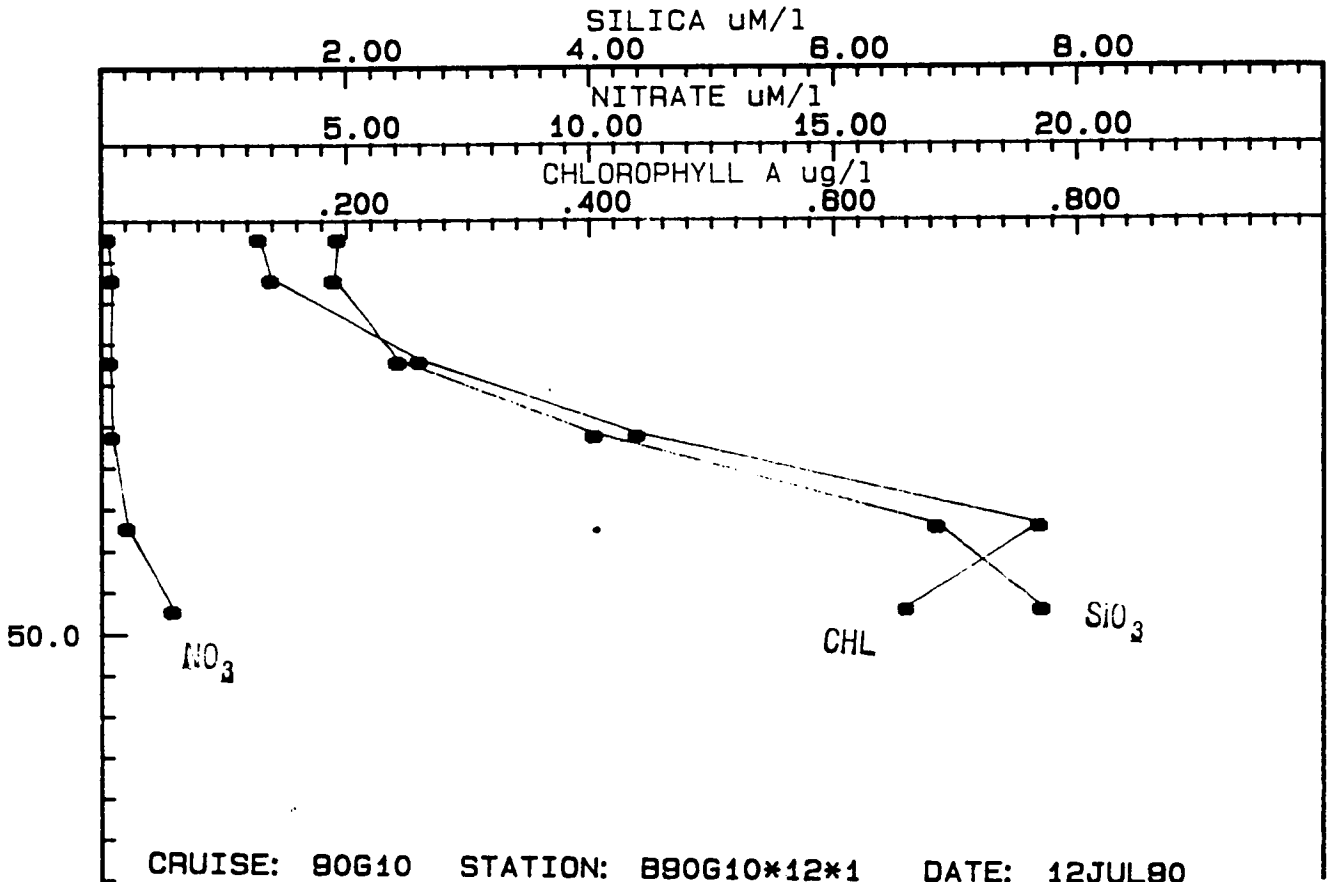


CRUISE: 90G10 STATION: B90G10*11*1 DATE: 12JUL90
LATITUDE: 28 30.6 LONGITUDE: 94 1.2

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CRUISE: 80G10 STATION: B80G10*12*1 DATE: 12JUL90
 LATITUDE: 28 25.7 LONGITUDE: 93 58.7

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION S90610*13*1 DATE 13JULY90 GMT 0037 LATITUDE 29 21.5 LONGITUDE 93 52.2

WIPE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.98	.13	-----	29.898	4.870	.02	0.00	1.56	.05	.01	.1
11	----	29.83	.17	-----	31.022	4.340	.02	.01	2.00	.06	.01	.1
21	----	29.09	.40	-----	34.975	4.726	.03	.07	3.46	.10	0.00	.2
31	----	26.21	.52	-----	35.623	4.902	0.00	0.00	3.30	.09	0.00	.1
41	----	22.79	.31	-----	36.266	4.908	.19	.05	3.82	.16	.04	.4
53	----	21.73	.45	-----	34.315	4.537	.02	.09	5.30	.65	.23	.1

CRUISE 90610 STATION S90610*14*1 DATE 13JULY90 GMT 0146 LATITUDE 29 16.5 LONGITUDE 93 48.1

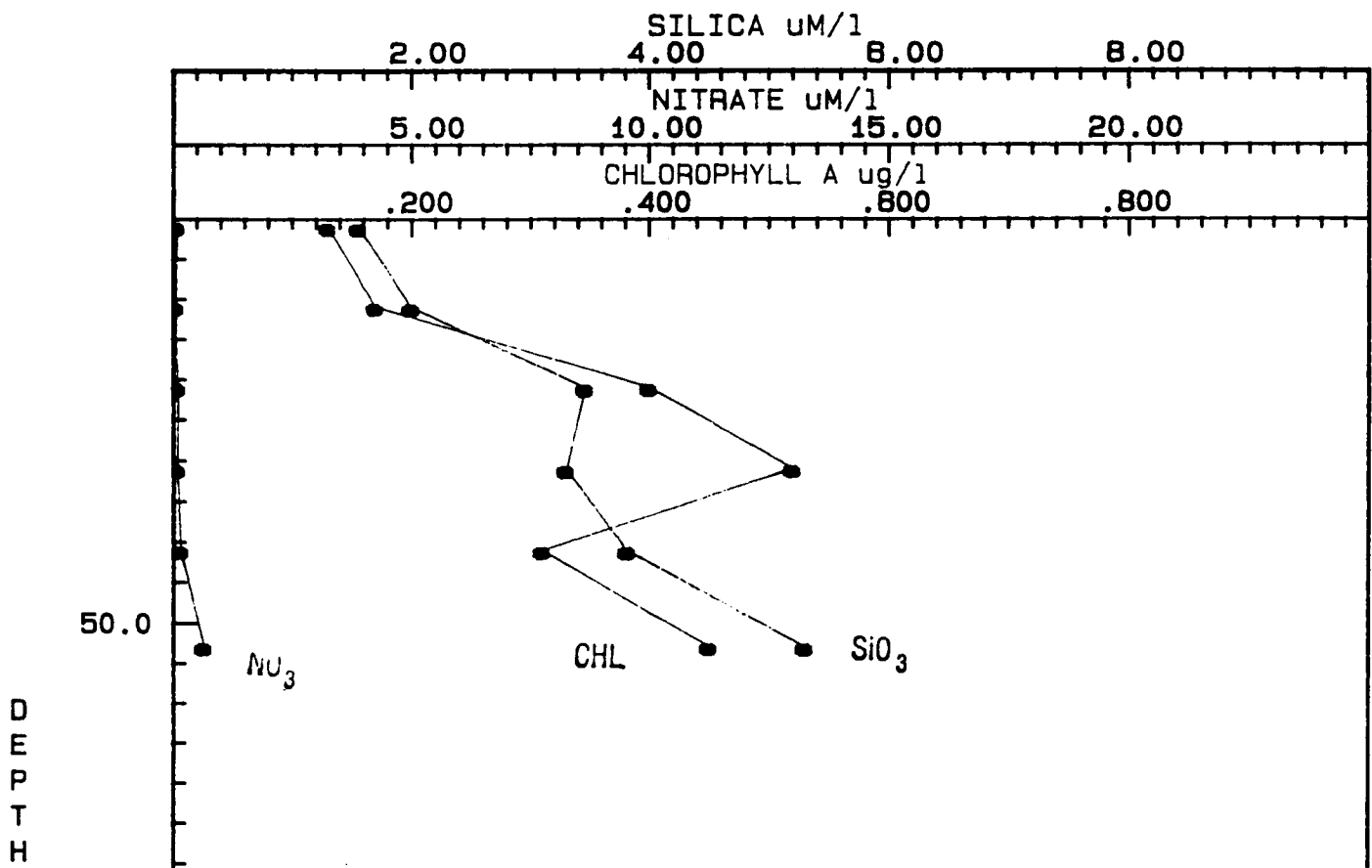
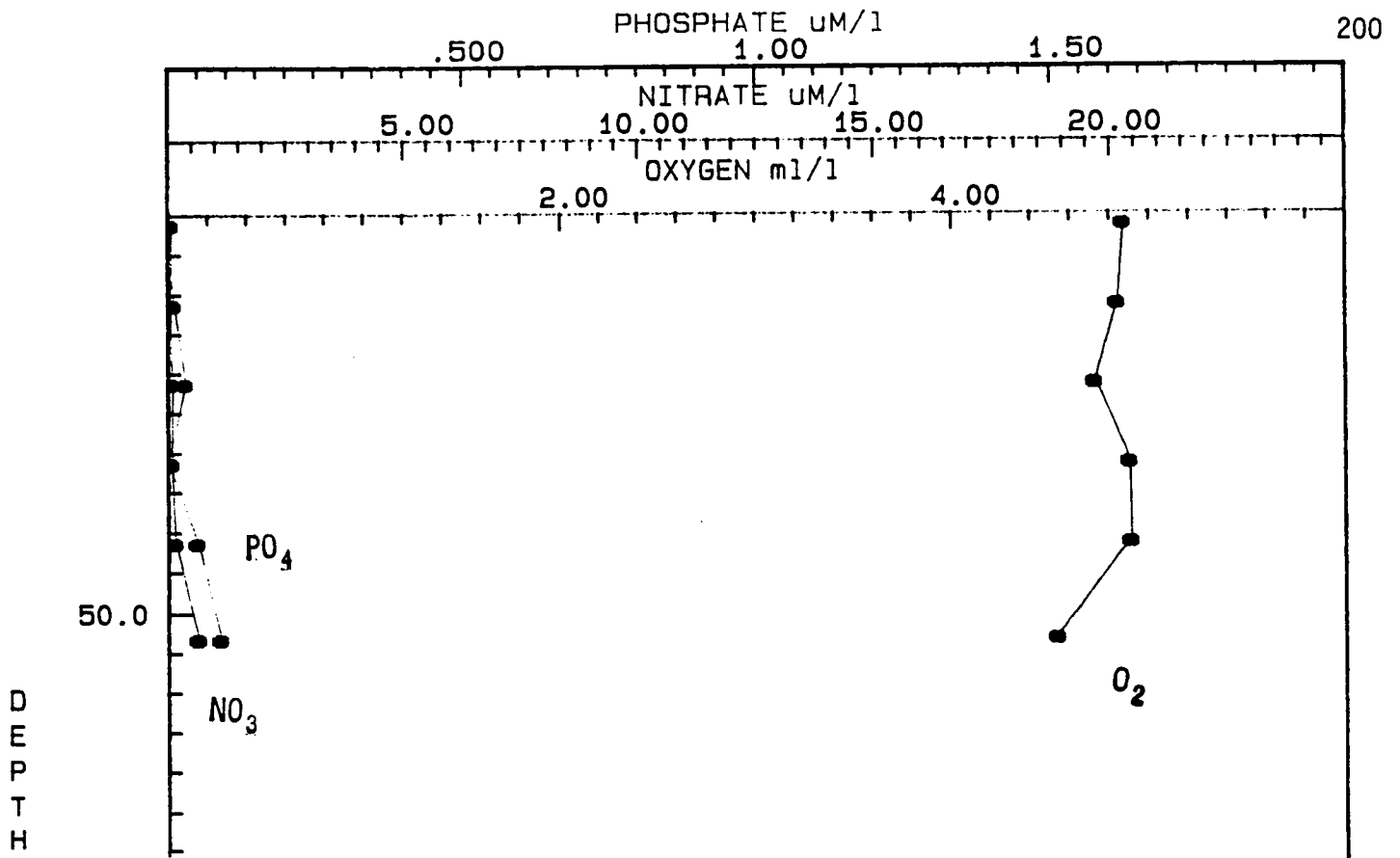
WIPE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	30.23	.14	-----	29.901	5.188	.06	.01	1.91	.32	0.00	.1
6	----	29.90	.14	-----	30.261	4.964	.03	.01	1.67	.15	.01	.1
15	----	29.99	.26	-----	33.288	4.690	.03	.01	2.62	.11	.01	.1
31	----	25.47	.35	-----	35.807	5.039	0.00	.02	2.56	.05	0.00	.1
41	----	23.20	.35	-----	36.191	4.833	.02	.03	4.01	.04	.08	.0
51	----	22.02	.27	-----	36.356	4.850	0.00	.04	3.63	.15	1.33	.0
58	----	21.47	.34	-----	36.370	4.686	.03	.01	4.31	.97	.33	.1

CRUISE 90610 STATION S90610*15*1 DATE 13JULY90 GMT 0349 LATITUDE 29 12.7 LONGITUDE 93 43.9

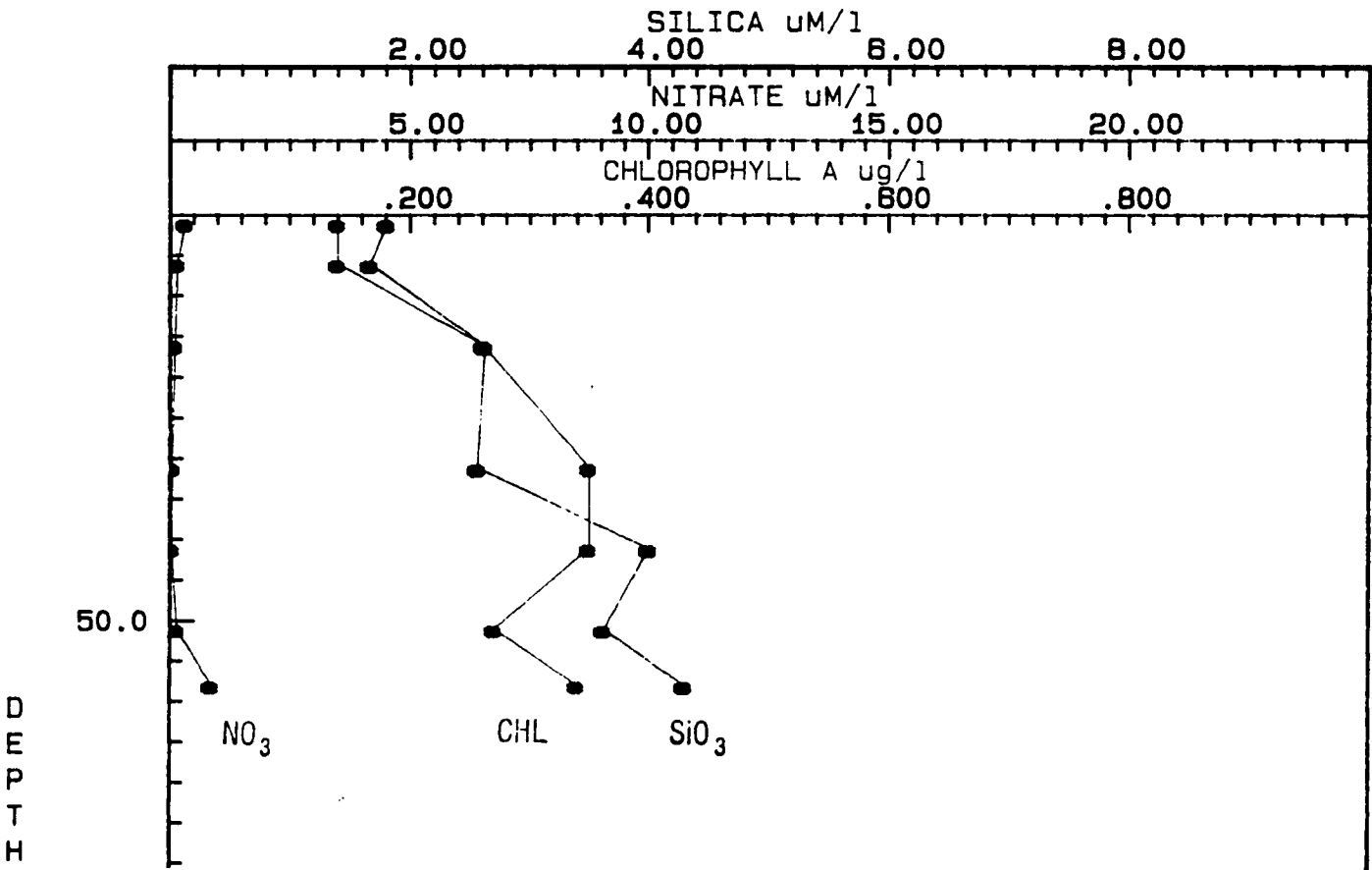
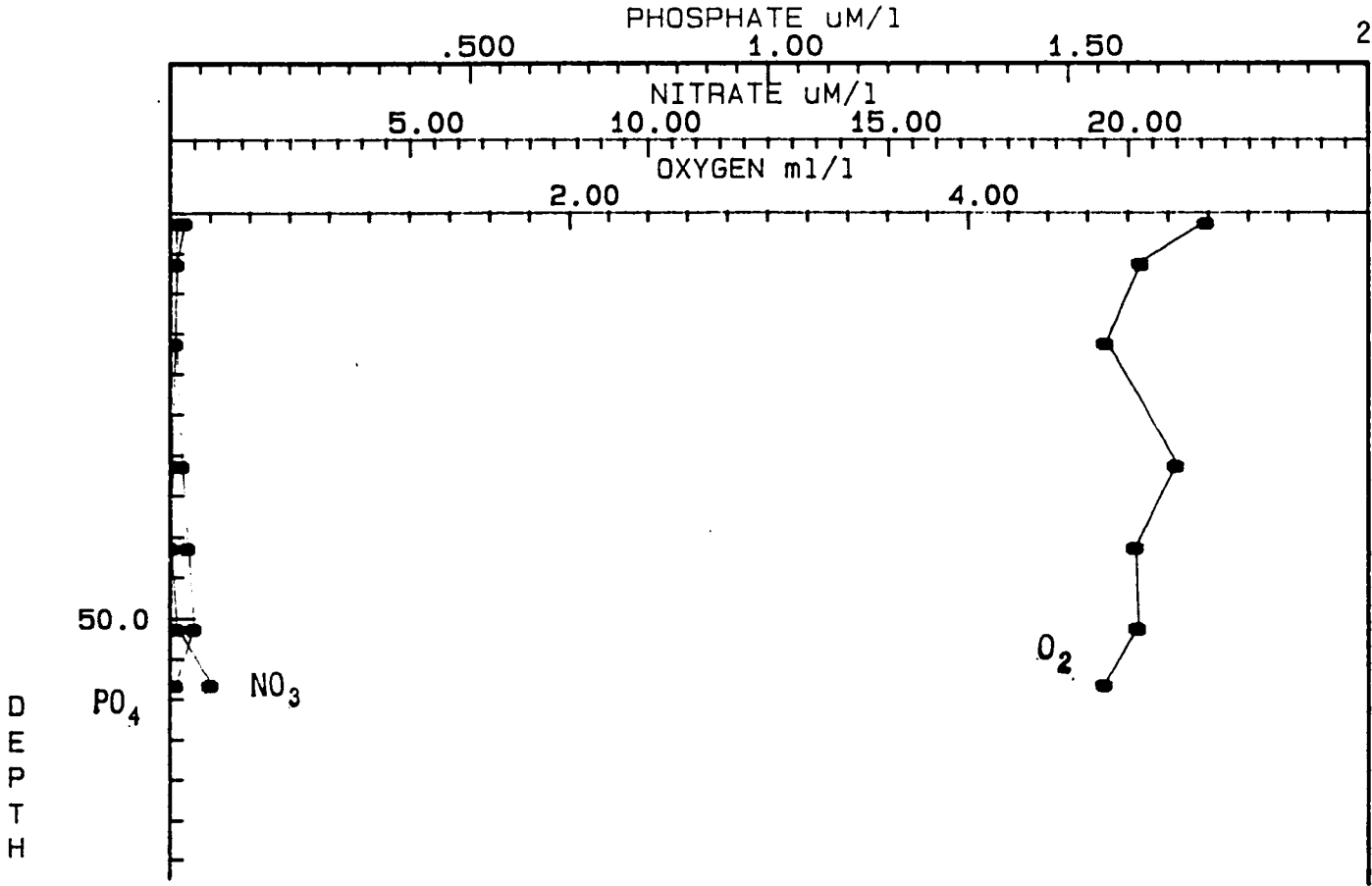
WIPE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.34	.10	-----	30.830	4.954	.02	.04	1.93	.02	.01	.1
12	----	29.57	.13	-----	31.955	4.982	.03	.03	2.20	.09	.01	.0
22	----	28.32	.18	-----	35.145	4.615	.05	.04	4.38	.09	.02	.0
32	----	25.32	.20	-----	35.364	4.440	.05	.05	4.93	.11	.02	.1
42	----	23.58	.67	-----	36.130	4.645	.05	.08	5.56	.56	.16	.1
52	----	21.42	.55	-----	36.345	4.659	.05	.15	4.87	1.74	.17	.1
65	----	20.71	.27	-----	36.365	4.507	.08	.22	4.99	2.52	.27	.1

CRUISE 90610 STATION S90610*16*1 DATE 13JULY90 GMT 0547 LATITUDE 28 2.9 LONGITUDE 93 36.4

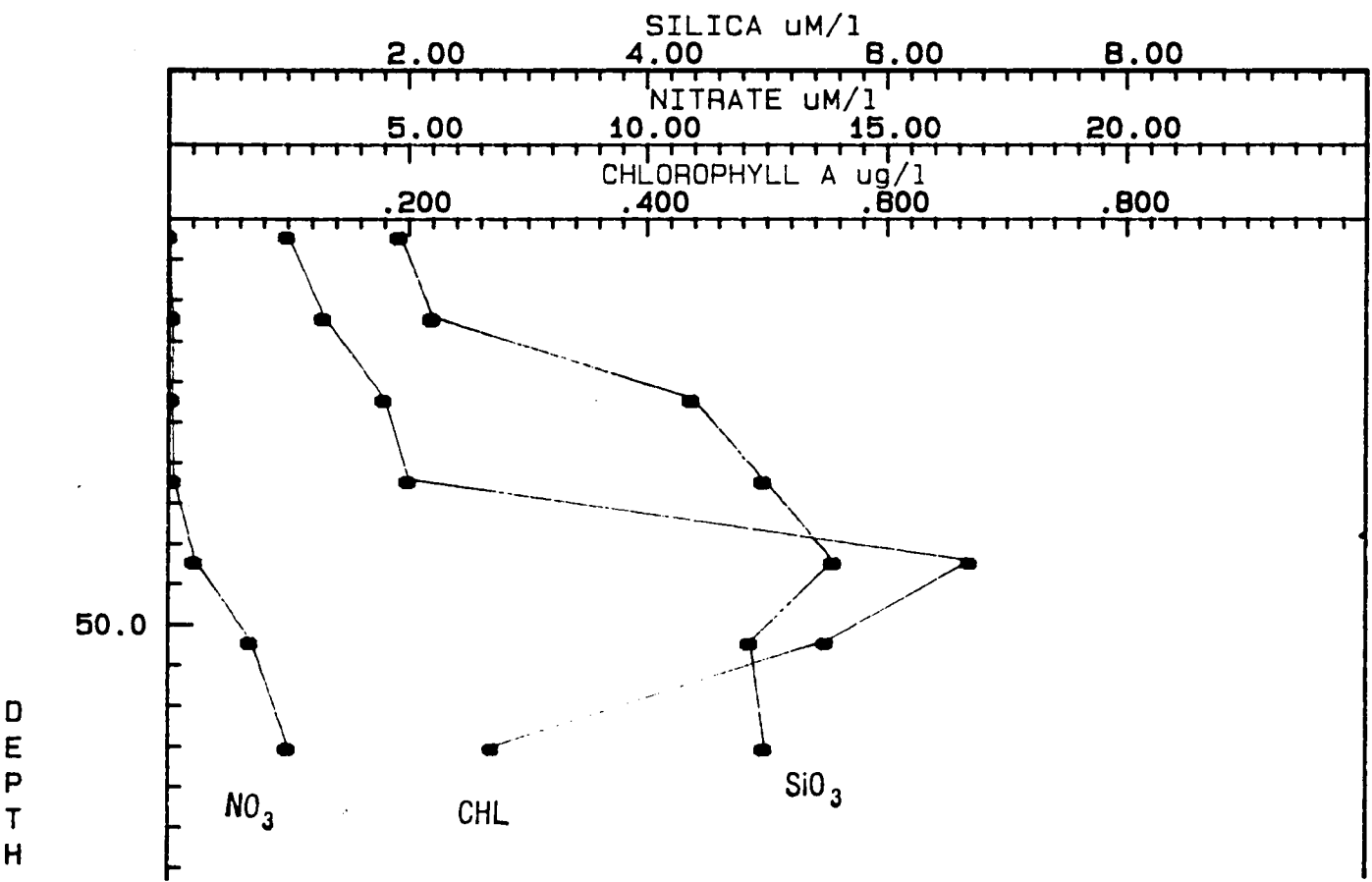
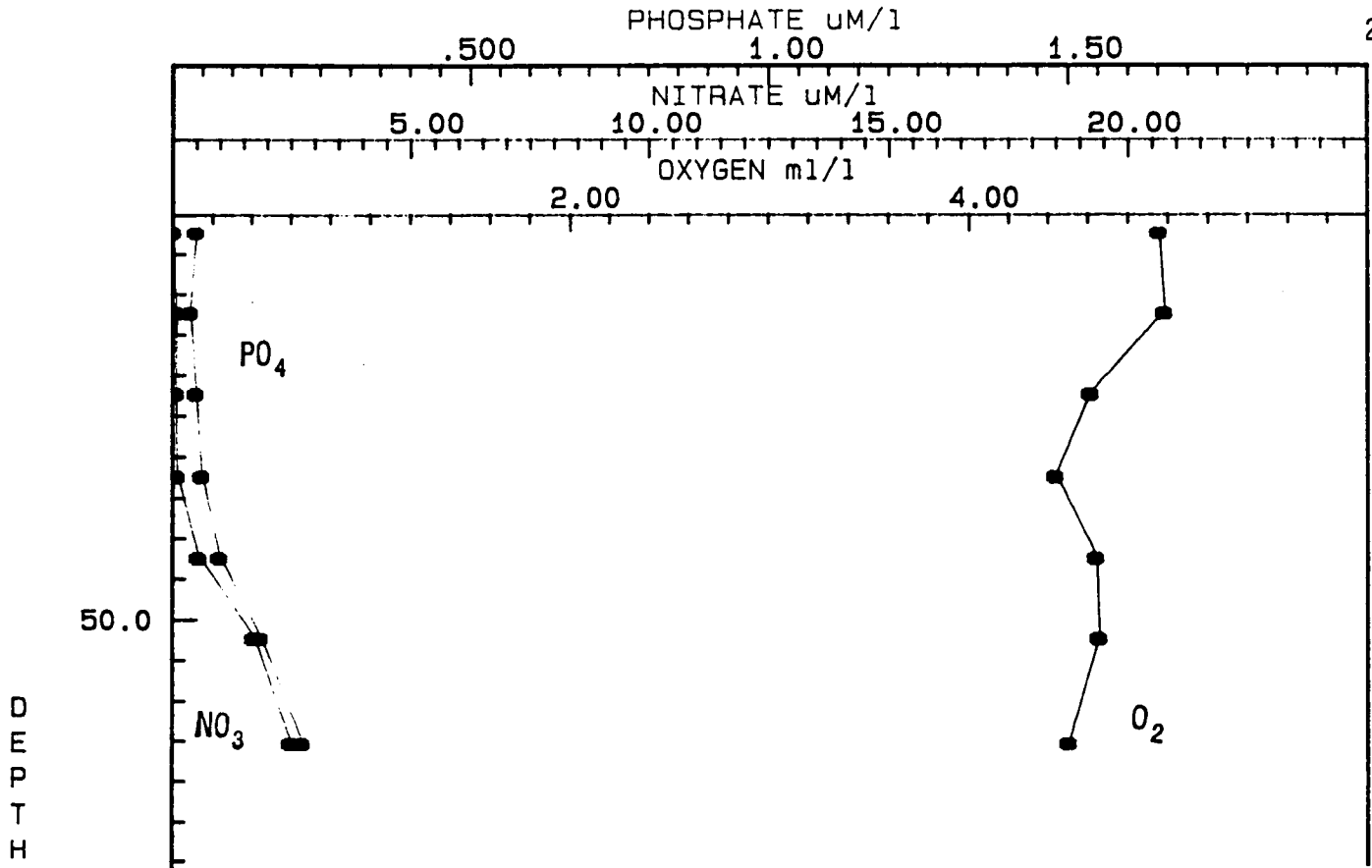
WIPE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	30.21	.13	-----	30.230	4.681	.03	0.00	1.31	.12	0.00	.1
12	----	29.70	.13	-----	32.495	4.652	.16	.04	2.07	.13	0.00	.3
21	----	25.90	.25	-----	35.415	4.747	0.00	.01	3.55	.21	0.00	.0
31	----	24.98	.35	-----	35.975	5.221	0.00	.04	3.48	.15	.02	.0
41	----	23.44	.47	-----	36.171	4.605	0.00	.01	4.91	.39	.53	.0
51	----	22.20	.58	-----	36.286	4.507	0.00	.13	5.23	1.40	.55	.0
60	----	20.26	.29	-----	36.368	4.127	0.00	.23	4.82	3.89	.10	.0



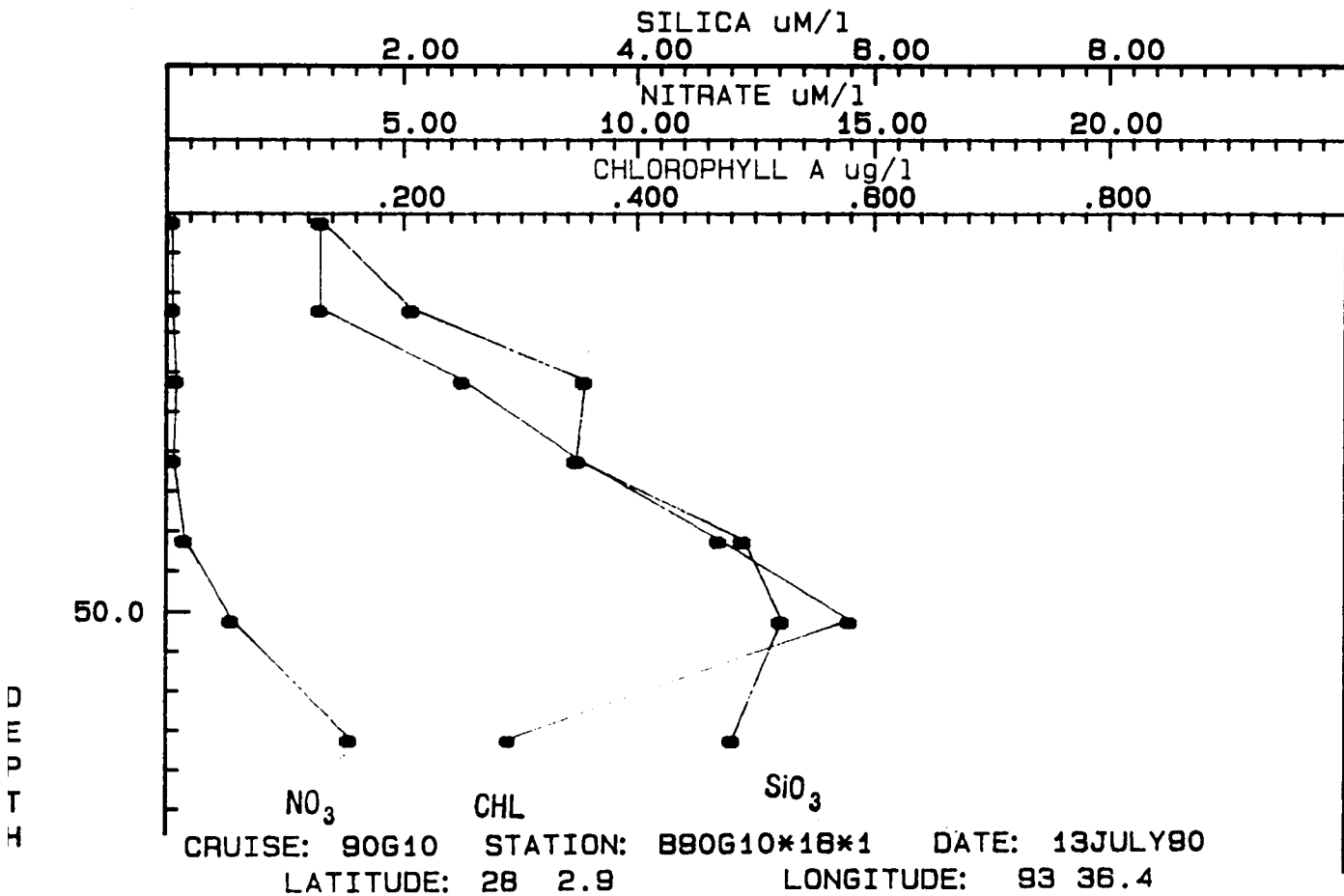
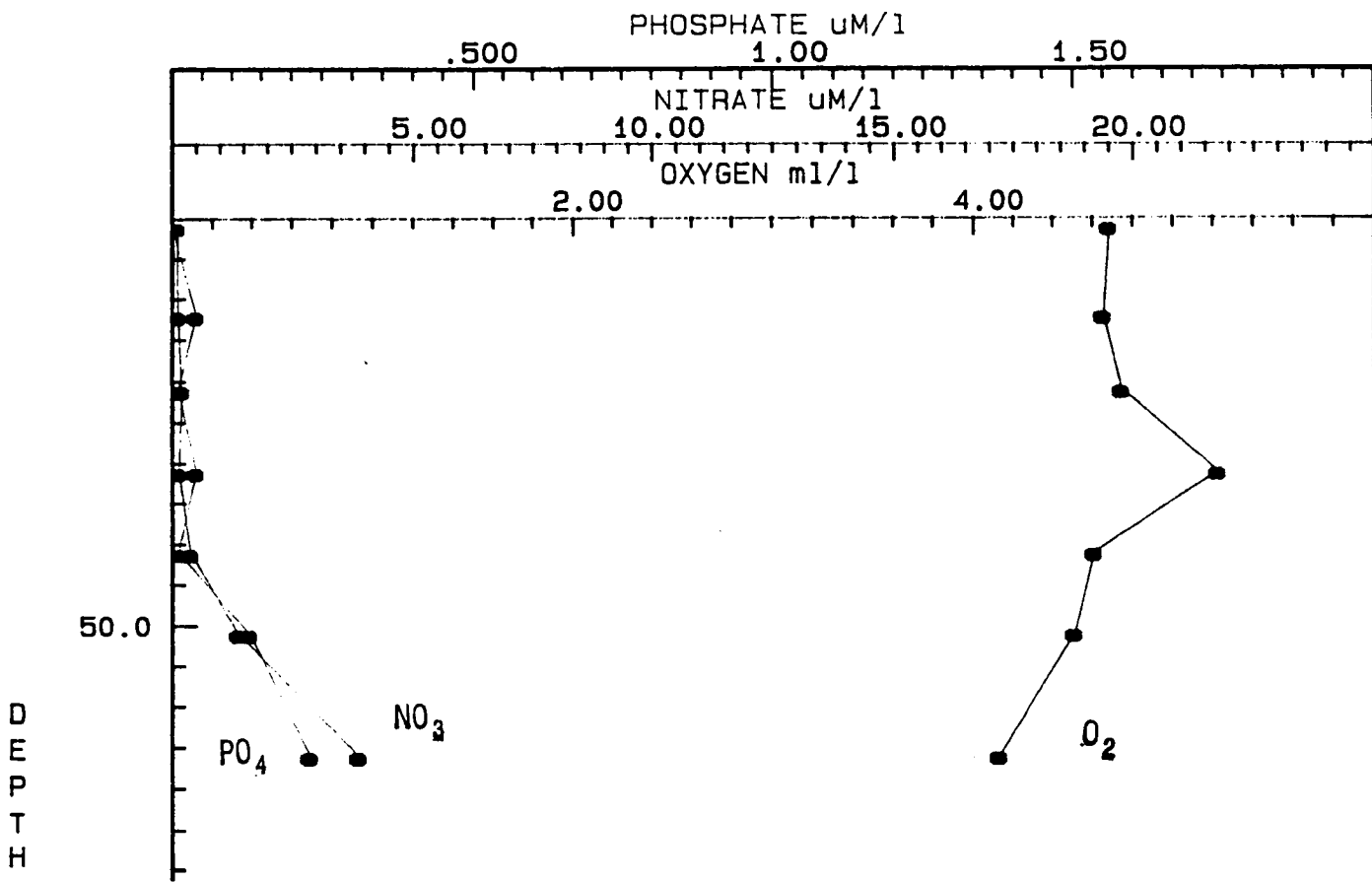
CRUISE: 90G10 STATION: B90G10*13*1 DATE: 13JULY90
 LATITUDE: 28 21.5 LONGITUDE: 93 52.2



CRUISE: 90G10 STATION: B90G10*14*1 DATE: 13JULY90
LATITUDE: 28 16.5 LONGITUDE: 93 48.1



CRUISE: 80610 STATION: B80610*15*1 DATE: 13JULY80
LATITUDE: 28 11.7 LONGITUDE: 93 43.8



CRUISE 90610 STATION B90610+17*1 DATE 13JULY90 GMT 0543 LATITUDE 28 2.9 LONGITUDE 97 35.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SI(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.75	.07	-----	36.881	5.598	.14	0.00	1.37	.22	.01	.1
7	----	29.62	.09	-----	31.860	4.409	.63	0.00	2.15	.36	.02	.2
12	----	29.49	.13	-----	33.559	4.991	.14	0.00	2.20	.76	0.00	.1
21	----	27.33	.18	-----	35.412	5.146	.13	0.00	2.26	.12	.01	.1
42	----	23.56	.31	-----	36.348	5.537	.15	.02	2.29	.15	.01	.1
57	----	21.74	.40	-----	36.415	4.995	.15	.09	3.99	1.31	.12	.1
62	----	21.47	.34	-----	36.344	4.938	.13	.09	3.50	.98	.18	.0
82	----	20.79	.07	-----	36.379	4.528	.13	.13	3.96	1.95	.04	.0
95	----	20.60	.12	-----	36.379	4.586	.19	.16	4.04	1.87	.04	.2

CRUISE 90610 STATION B90610+18*1 DATE 13JULY90 GMT 1540 LATITUDE 27 53.7 LONGITUDE 97 33.1

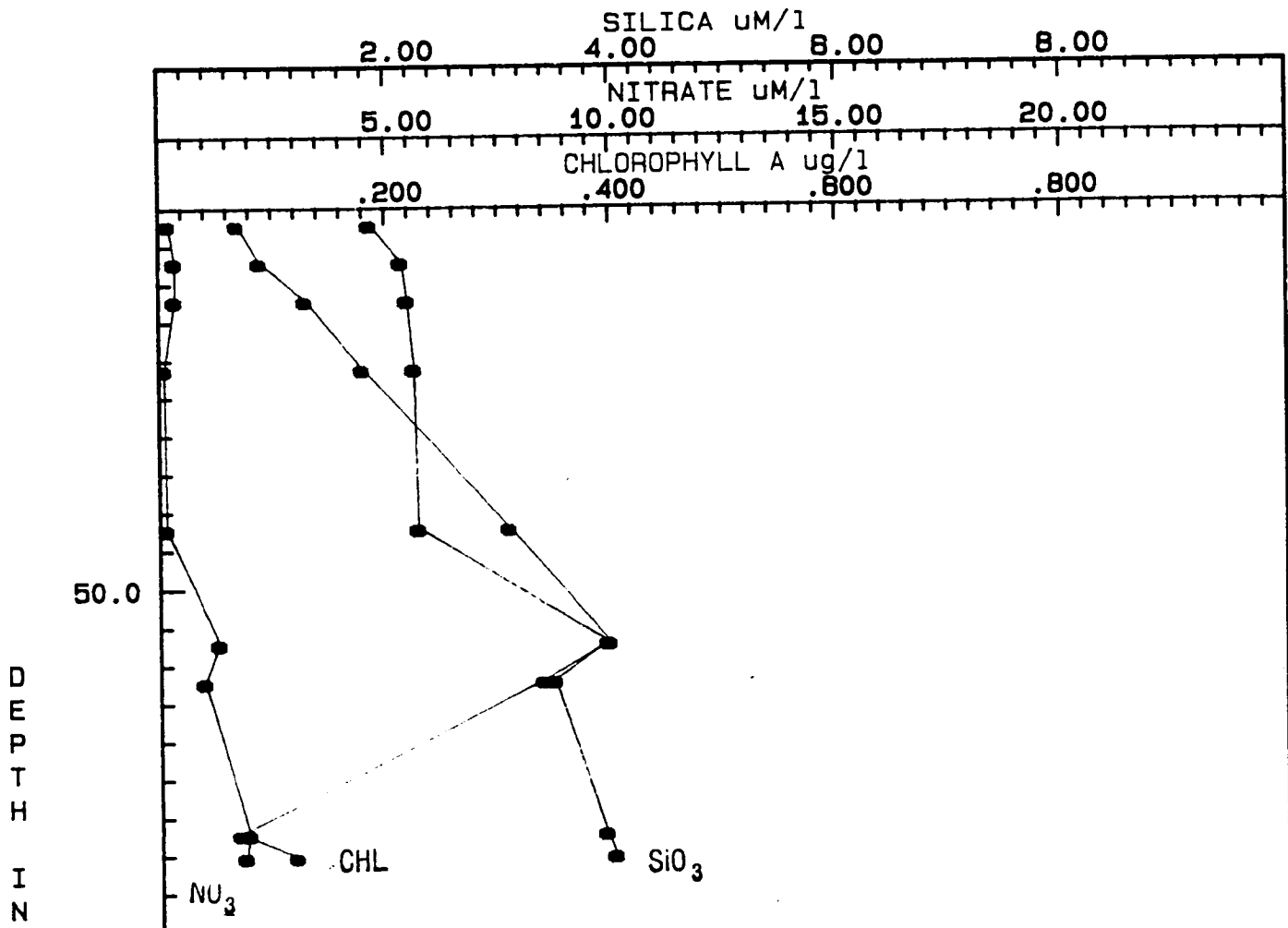
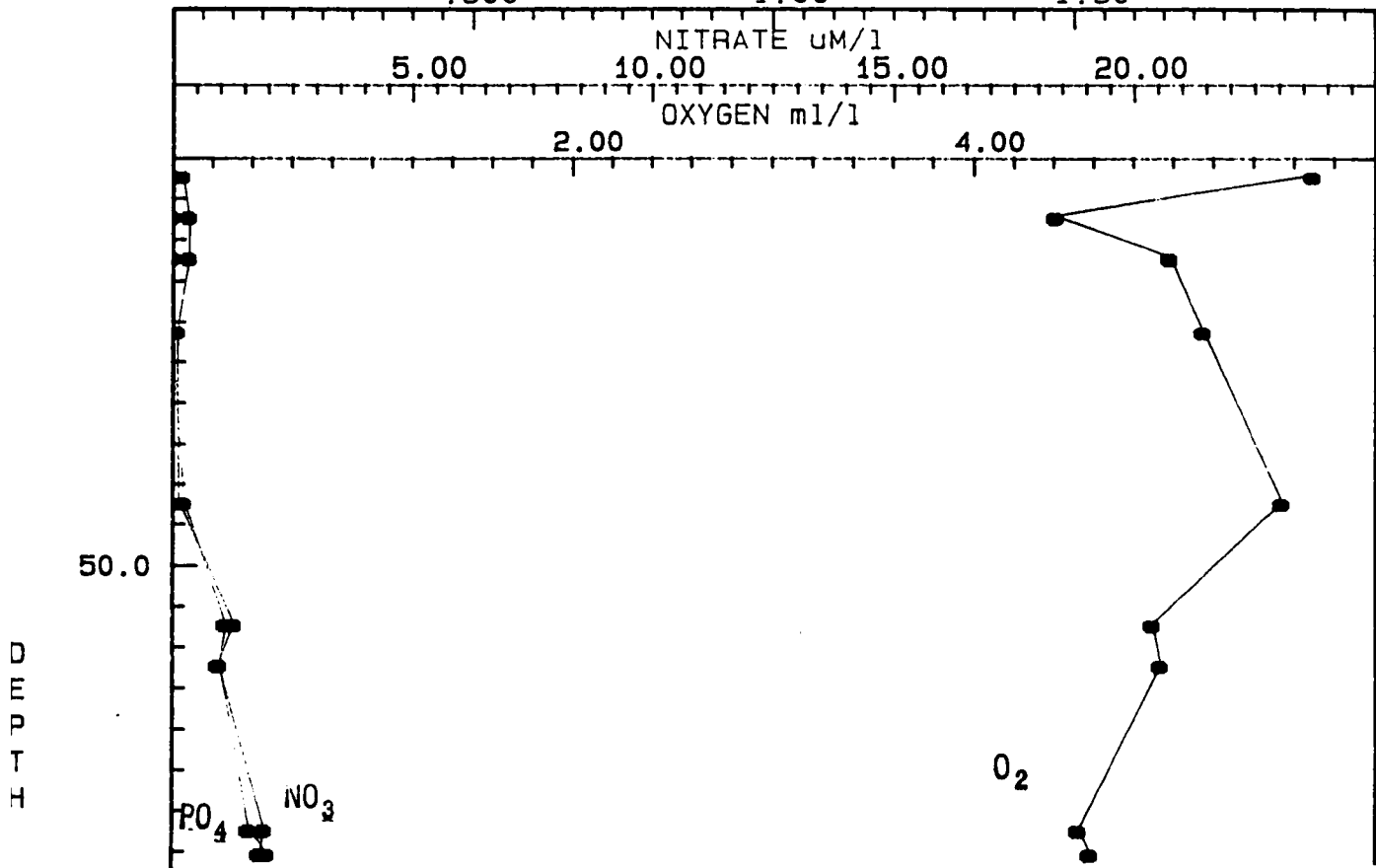
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SI(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
1	----	29.16	.13	-----	32.279	4.561	.13	.04	1.94	.05	.14	.2
11	----	27.72	.08	-----	34.067	4.624	.10	.03	2.24	0.00	.13	.2
21	----	23.95	.10	-----	36.023	4.615	.05	.02	2.39	0.00	.13	.1
31	----	23.65	.15	-----	36.204	4.896	.03	.01	2.54	.03	.13	.0
41	----	22.08	.19	-----	36.151	4.914	.03	.02	3.43	0.00	.13	.0
50	----	21.23	.27	-----	36.289	5.102	0.00	.01	2.36	0.00	.13	.0
90	----	20.81	.39	-----	36.353	4.872	.02	.03	2.85	.39	.10	.1
90	----	20.28	.14	-----	36.387	4.299	0.00	.14	3.42	2.74	.07	.1
93	----	19.78	.15	-----	36.393	4.071	.08	.23	4.01	4.37	.06	.4

CRUISE 90610 STATION B90610+19*1 DATE 13JULY90 GMT 1701 LATITUDE 27 54.5 LONGITUDE 97 28.6

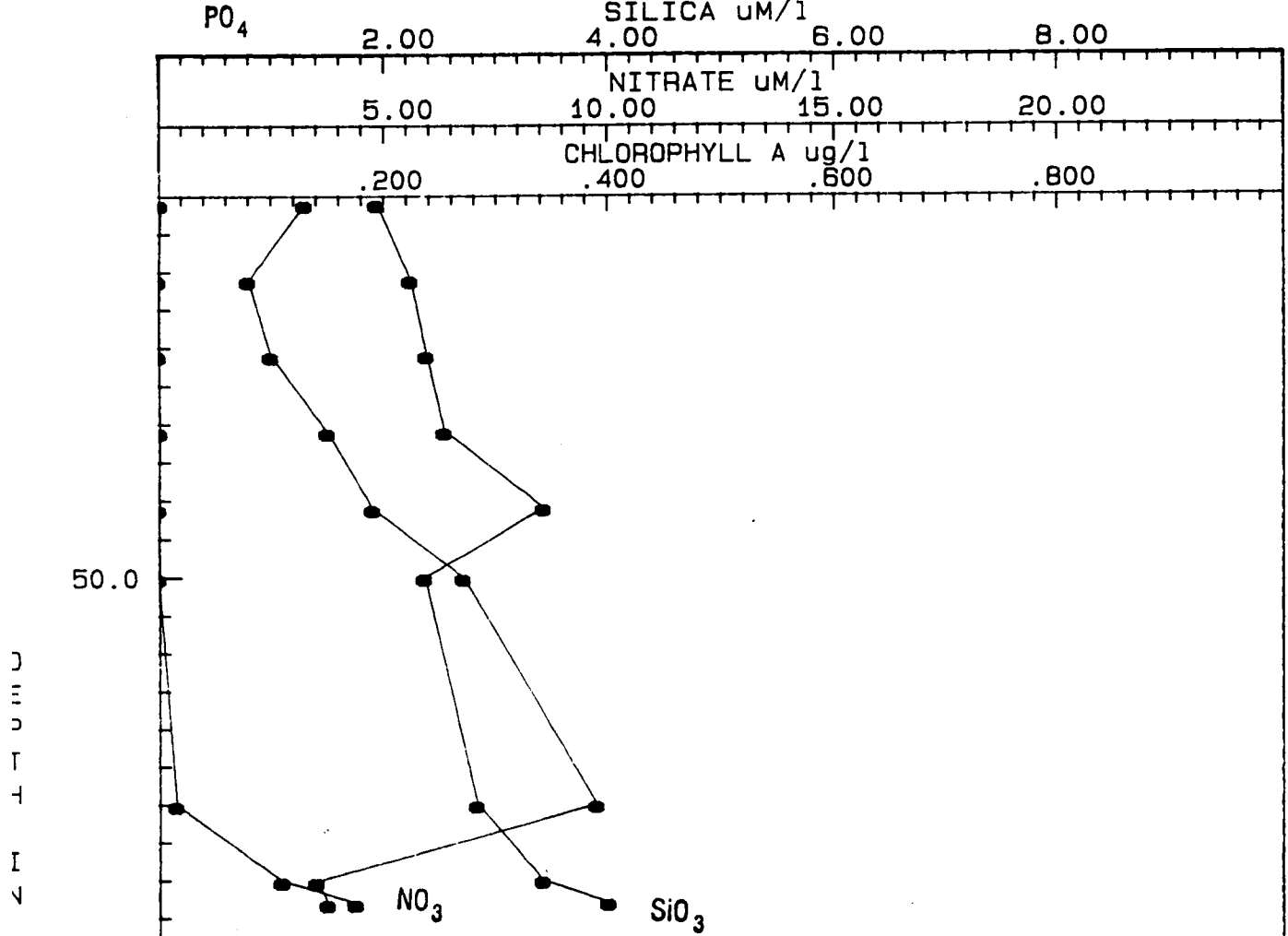
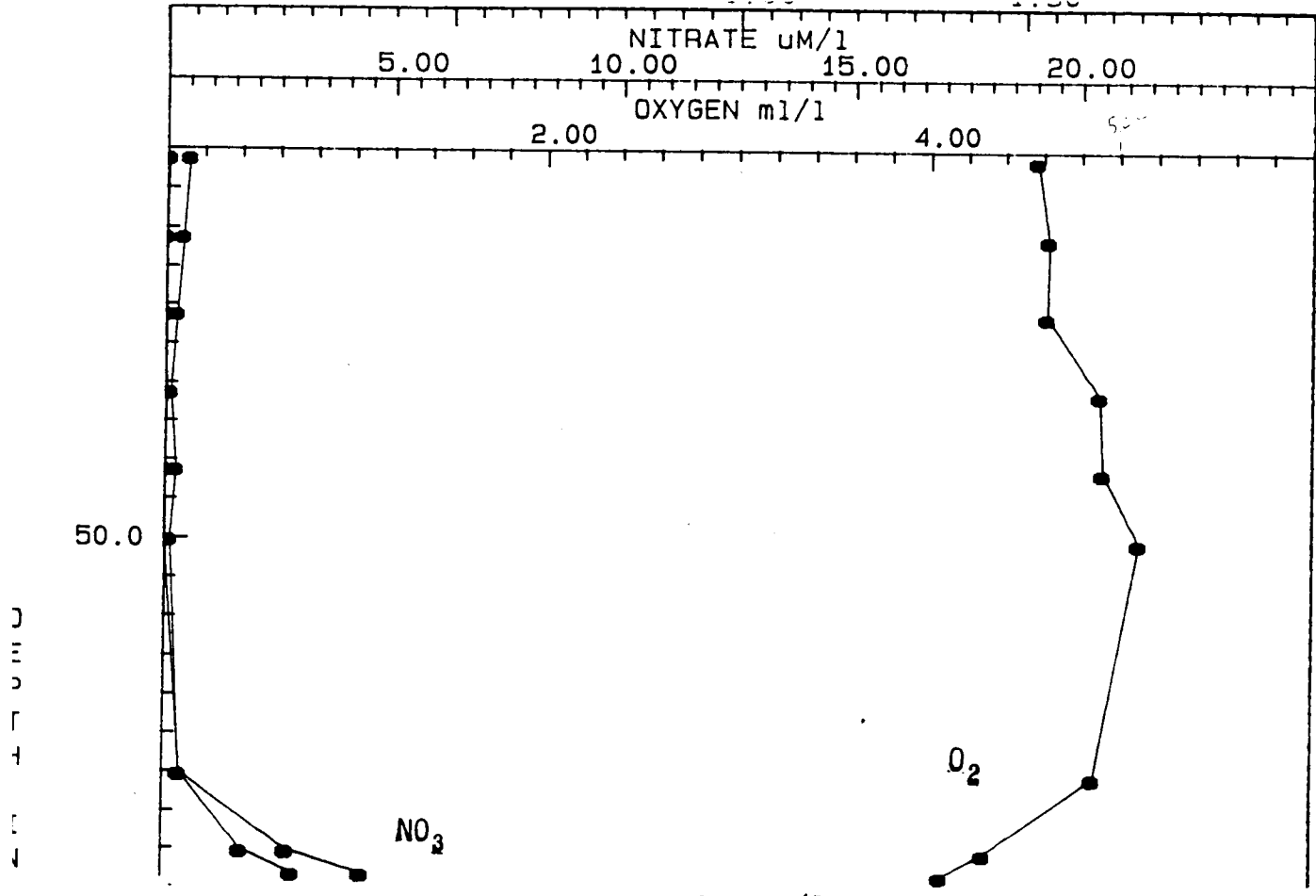
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SI(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.26	.16	-----	32.036	4.571	.10	.02	1.75	.25	0.00	.1
13	----	29.22	.12	-----	34.474	4.590	.07	.03	2.22	.19	0.00	.1
22	----	28.78	.14	-----	36.259	4.778	.05	.03	2.31	.19	0.00	.1
42	----	25.45	.17	-----	36.273	5.095	.12	.07	2.31	.19	0.00	.0
62	----	21.84	.21	-----	36.303	5.194	.09	.03	2.31	.13	0.00	.0
73	----	21.16	.26	-----	36.336	5.095	.08	.03	2.37	.28	0.00	.1
82	----	20.54	.24	-----	36.373	4.857	.10	.04	2.60	.52	.10	.1
102	----	19.94	.11	-----	36.395	3.748	.03	.31	4.01	6.56	.09	.1
121	----	17.62	.05	-----	36.308	3.053	.05	.67	6.25	12.70	.93	.1

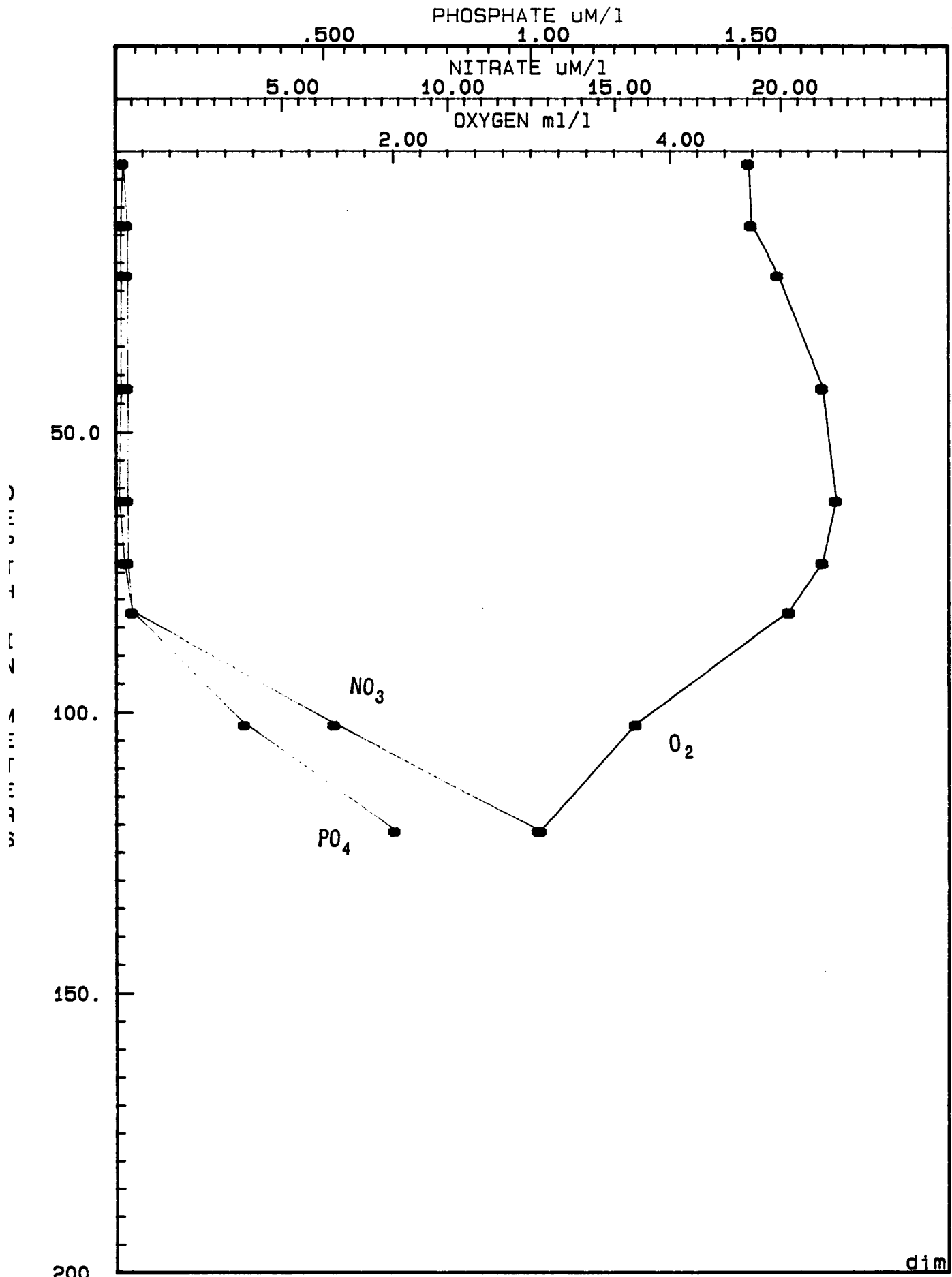
CRUISE 90610 STATION B90610+20*1 DATE 13JULY90 GMT 1903 LATITUDE 27 50.1 LONGITUDE 97 24.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SI(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
1	----	29.10	.15	-----	32.465	4.575	.11	.02	1.75	.23	0.00	.1
31	----	27.39	.15	-----	35.391	4.797	.10	.01	2.55	.05	0.00	.0
41	----	25.00	.18	-----	36.196	5.127	.05	.02	2.56	0.00	0.00	.0
50	----	22.29	.22	-----	36.343	5.143	.02	.03	2.50	.06	.01	.0
70	----	21.71	.22	-----	36.371	5.007	.05	.04	2.61	.17	.01	.0
90	----	20.95	.29	-----	36.392	4.730	.05	.04	2.79	.21	.03	.0
100	----	19.27	.13	-----	36.439	3.495	.02	.40	4.26	7.63	.07	.1
119	----	18.18	.08	-----	36.359	3.115	.02	.64	5.67	11.70	.01	.204
139	----	17.30	.04	-----	36.272	2.990	.02	.77	6.49	14.30	.01	.1
160	----	16.20	.02	-----	36.123	2.867	.02	.93	8.08	16.30	.01	.1
172	----	15.28	.01	-----	36.022	2.854	.02	1.01	8.67	18.00	.01	.1



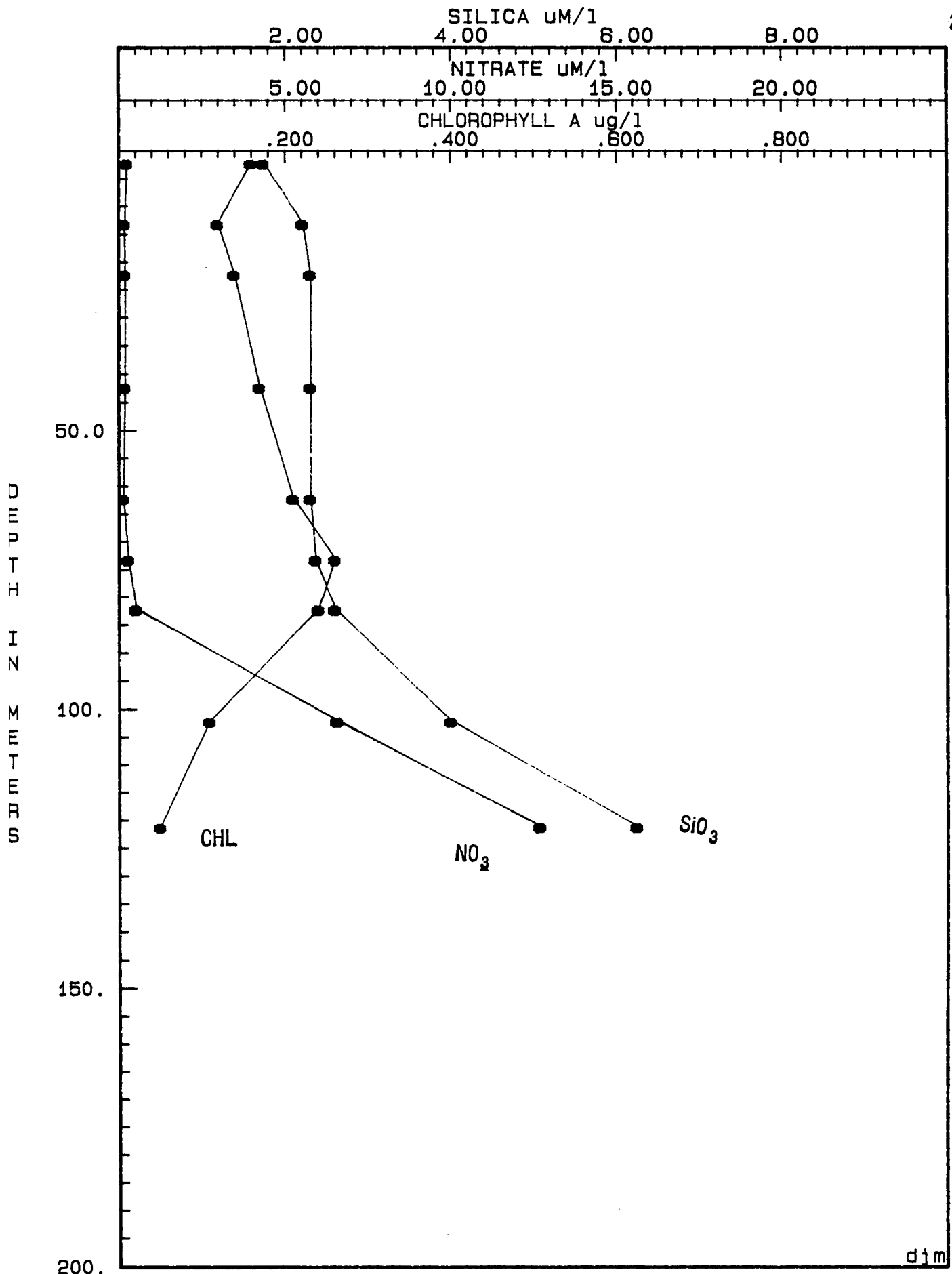
CRUISE: 90G10 STATION: B90G10*17*1 DATE: 13JULY80
LATITUDE: 28 2.8 LONGITUDE: 93 38.4





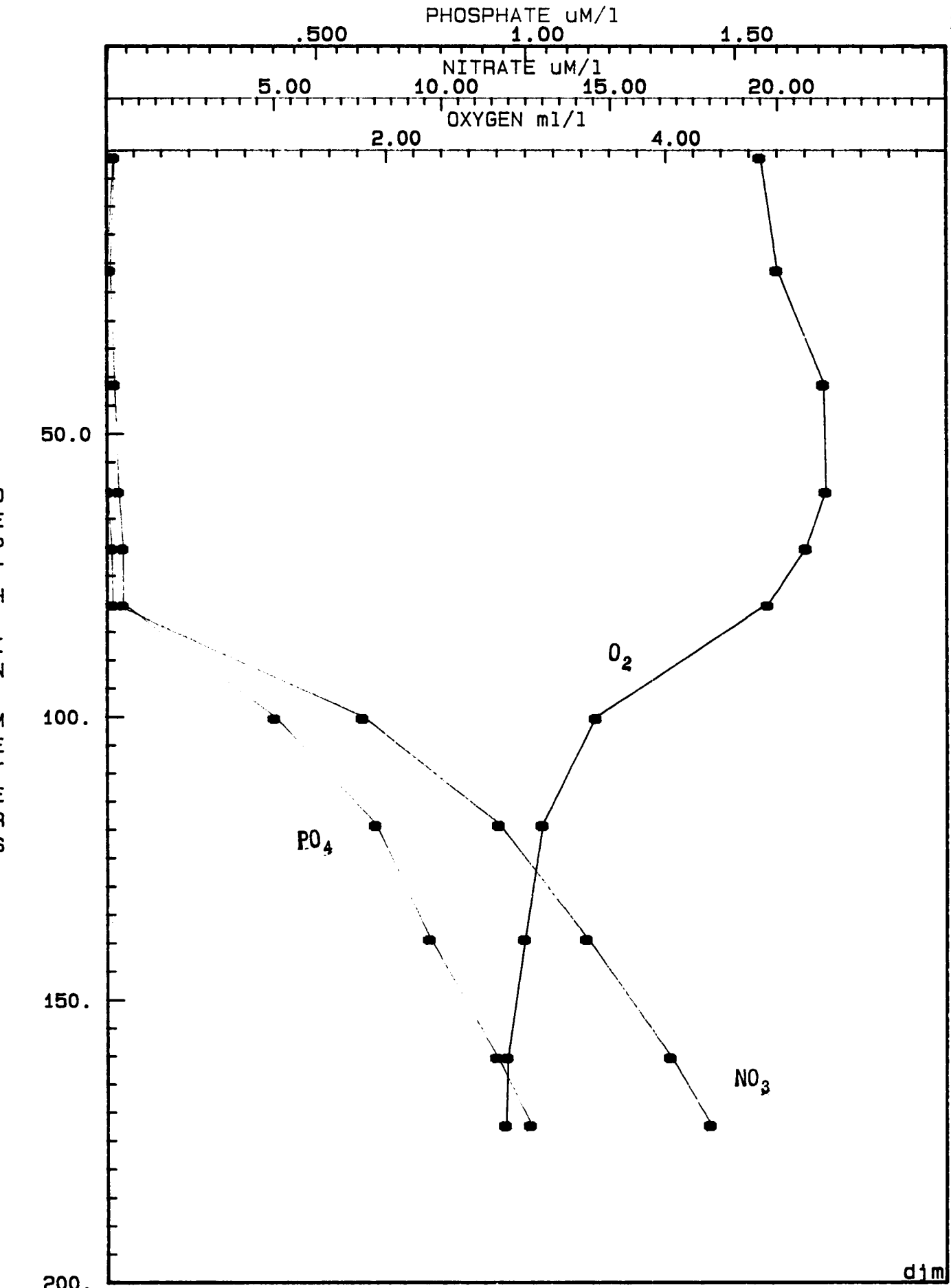
CRUISE: 90G10 STATION: B90G10*19*1 DATE: 13JULY90
LATITUDE: 27 54.5 LONGITUDE: 93 28.6

dim

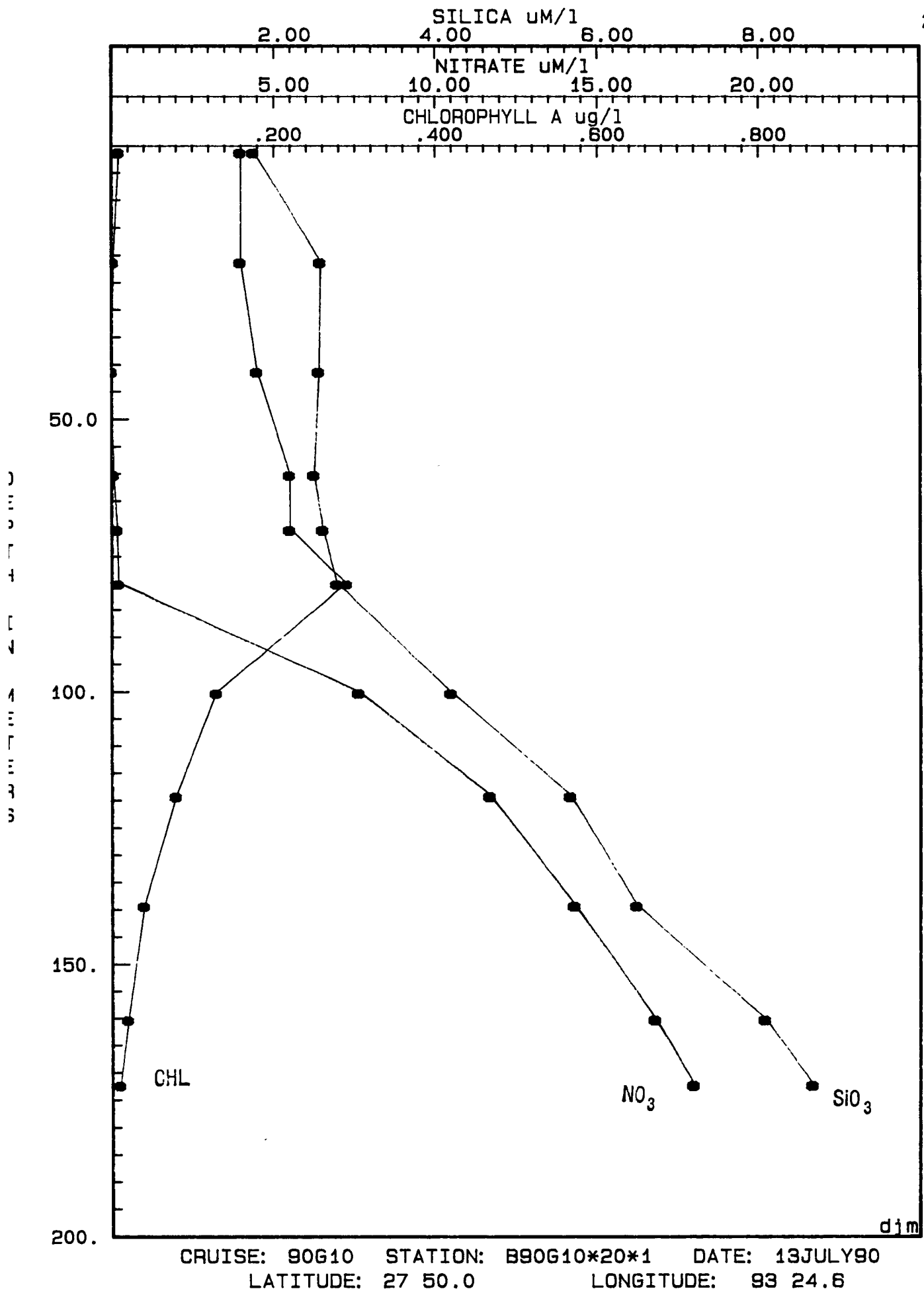


CRUISE: 90G10 STATION: B90G10*19*1 DATE: 13JULY90
LATITUDE: 27 54.5 LONGITUDE: 93 28.6

dim



CRUISE: 90G10 STATION: B90G10*20*1 DATE: 13JULY90
LATITUDE: 27 50.0 LONGITUDE: 93 24.6



CRUISE: 90G10 STATION: B90G10*20*1 DATE: 13JULY90
LATITUDE: 27 50.0 LONGITUDE: 93 24.6

djm

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION B90610*21*1 DATE 17JULY90 GMT 1303 LATITUDE 27 50.0 LONGITUDE 93 24.6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.08	.17	-----	36.534	4.654	.11	0.00	2.17	.30	.01	0.0
23	----	29.20	.14	-----	36.173	4.695	.10	0.00	2.45	.21	.01	.0
42	----	25.26	.16	-----	36.323	4.959	.10	.02	2.21	.32	.01	.1
62	----	22.12	.23	-----	36.363	5.134	.10	.02	2.56	.35	.01	.0
71	----	21.60	.27	-----	36.409	4.943	.10	.03	2.44	.39	.01	.0
82	----	20.70	.27	-----	36.405	4.667	.10	.04	2.61	.47	.16	.0
101	----	19.39	.12	-----	36.401	3.742	.10	.33	4.12	7.02	.11	.0
113	----	18.72	.10	-----	36.401	3.303	.08	.48	4.76	9.79	.08	.0

CRUISE 90610 STATION B90610*22*1 DATE 0023 GMT 1-JULY90 LATITUDE 27 44.8 LONGITUDE 93 20.5

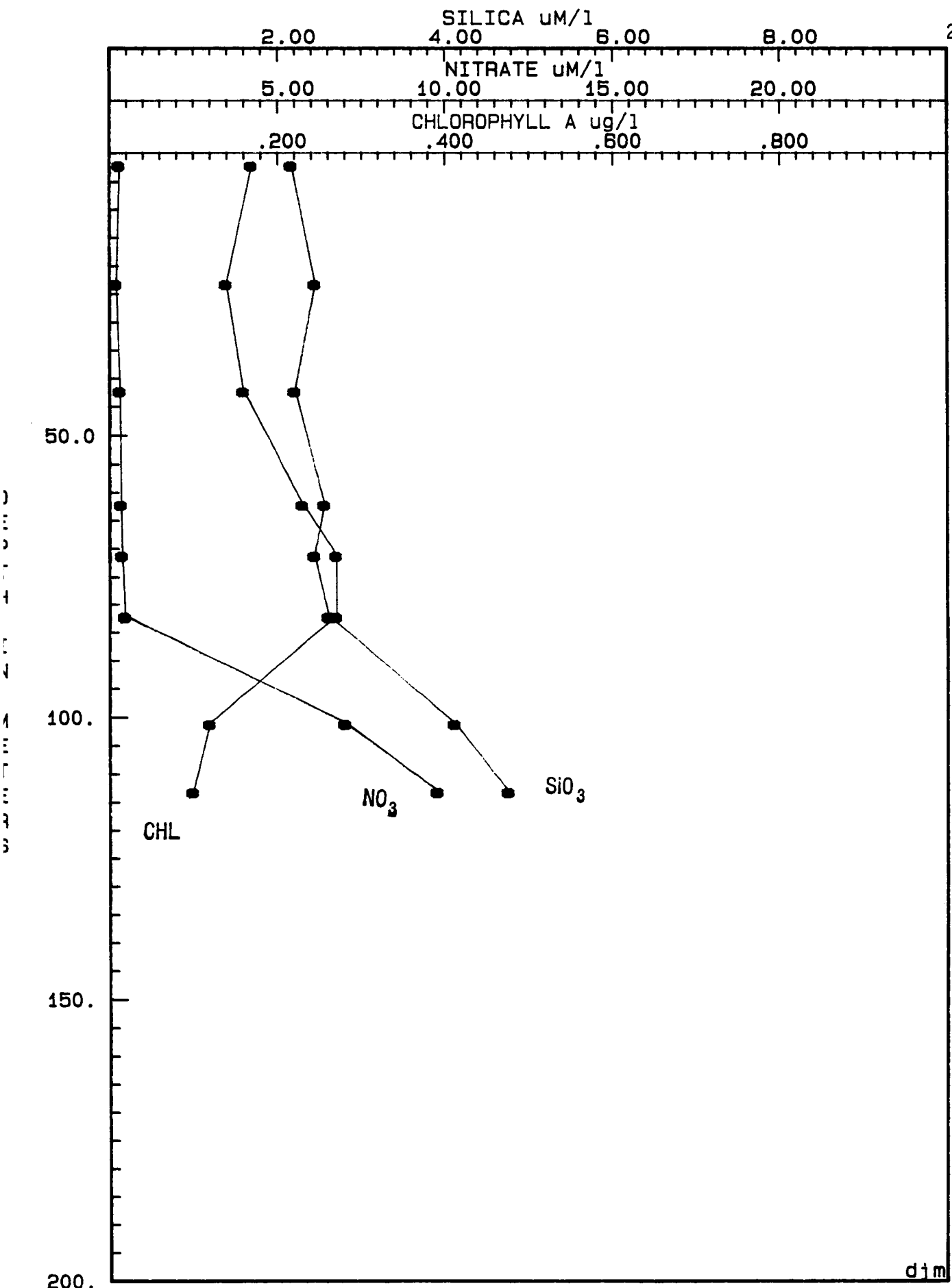
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
1	----	29.09	.07	-----	36.711	4.620	.23	0.30	2.59	.25	.02	.2
29	----	29.41	.07	-----	36.991	4.682	.17	.01	2.97	.34	.05	.3
42	----	25.13	.01	-----	36.321	5.097	.12	.04	2.62	.72	.02	.1
54	----	22.21	.01	-----	36.373	5.842	.12	.05	2.57	.39	.01	.1
72	----	21.54	.12	-----	36.333	4.926	.22	.01	2.73	.42	.02	.4
89	----	21.05	.11	-----	36.426	4.556	.12	.03	2.96	1.01	.15	.2
103	----	19.41	.20	-----	36.421	3.635	.08	.33	4.35	6.89	.12	.1
120	----	18.02	.24	-----	36.408	3.183	.10	.62	5.17	12.20	.05	.1
143	----	16.13	.24	-----	36.183	3.012	.17	.85	6.80	15.90	.03	.2
214	----	14.72	.29	-----	35.924	2.830	.13	1.09	8.96	19.30	.02	.1
250	----	13.15	.17	-----	35.686	2.713	.18	1.31	11.10	22.40	.02	.3

CRUISE 90610 STATION B90610*23*1 DATE 14JULY90 GMT 0310 LATITUDE 27 35.2 LONGITUDE 93 12.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	28.78	.14	-----	36.014	4.565	.16	.02	2.17	.23	.01	.1
24	----	29.13	.10	-----	36.917	4.573	.14	.01	2.54	.17	0.00	.0
42	----	25.60	.18	-----	36.263	5.042	.13	.03	2.64	.19	0.00	.1
62	----	23.21	.17	-----	36.477	4.771	.13	.02	2.66	.24	0.00	.3
71	----	21.72	.32	-----	36.564	4.262	.15	.05	2.86	.92	.06	.1
80	----	20.49	.29	-----	36.461	4.303	.12	.10	3.13	1.52	.31	.2
101	----	18.79	.13	-----	36.448	3.240	.11	.55	5.32	9.61	.09	.3
149	----	16.52	.03	-----	36.211	3.088	.07	.82	7.09	14.20	.01	.1
198	----	14.60	0.00	-----	35.906	2.888	.06	1.10	9.78	19.30	0.00	.1
247	----	13.20	0.00	-----	35.682	2.674	.11	1.32	12.00	22.70	0.00	.2
378	----	9.37	0.00	-----	35.137	2.595	.01	1.83	19.20	25.60	0.00	.1

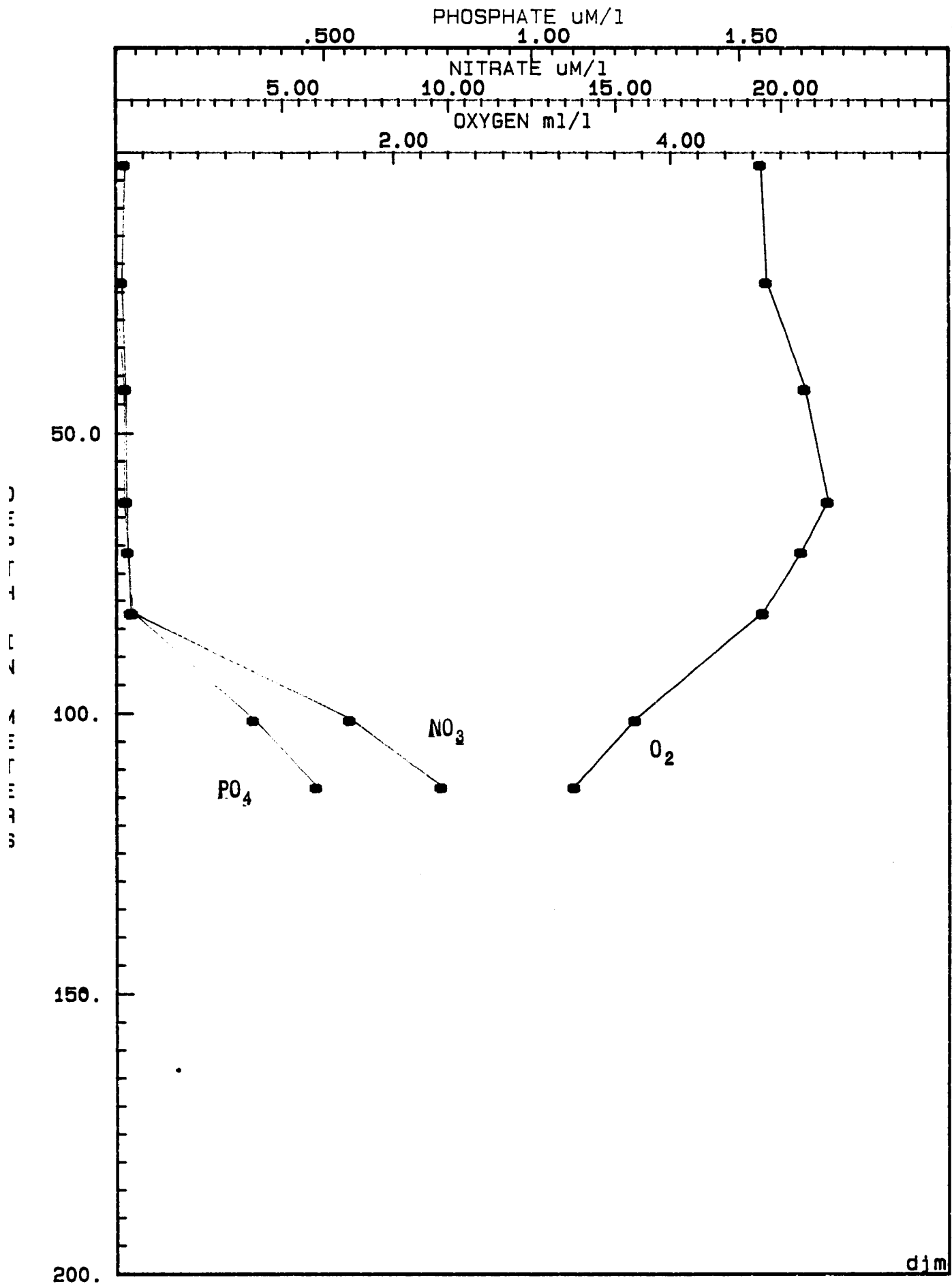
CRUISE 90610 STATION B90610*24*1 DATE 14JULY90 GMT 0505 LATITUDE 27 30.3 LONGITUDE 93 7.7

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
1	----	28.75	.10	-----	35.809	4.519	.15	.01	2.48	.65	.01	.2
33	----	29.02	.11	-----	36.353	4.568	.15	.01	2.84	.07	.01	.1
65	----	24.17	.16	-----	36.349	5.197	.17	.03	2.23	.08	.01	.3
74	----	21.28	.24	-----	36.405	4.789	.16	.01	2.56	.10	.01	.1
105	----	18.93	.14	-----	36.445	3.311	.13	.09	4.93	9.51	.07	.0
159	----	16.41	.24	-----	36.201	3.263	.03	.77	6.52	13.00	.02	.0
205	----	14.62	.02	-----	35.906	3.080	.11	1.06	8.60	16.00	.01	.2
250	----	13.10	.01	-----	35.660	2.862	.05	1.30	11.20	20.00	0.00	.3
291	----	11.72	0.00	-----	35.454	2.704	.04	1.52	14.10	24.10	.01	.2
407	----	9.63	.01	-----	35.190	2.890	.09	1.79	18.00	28.80	.01	.0
484	----	8.18	-----	-----	34.991	2.787	.12	1.97	22.30	31.70	.01	.1



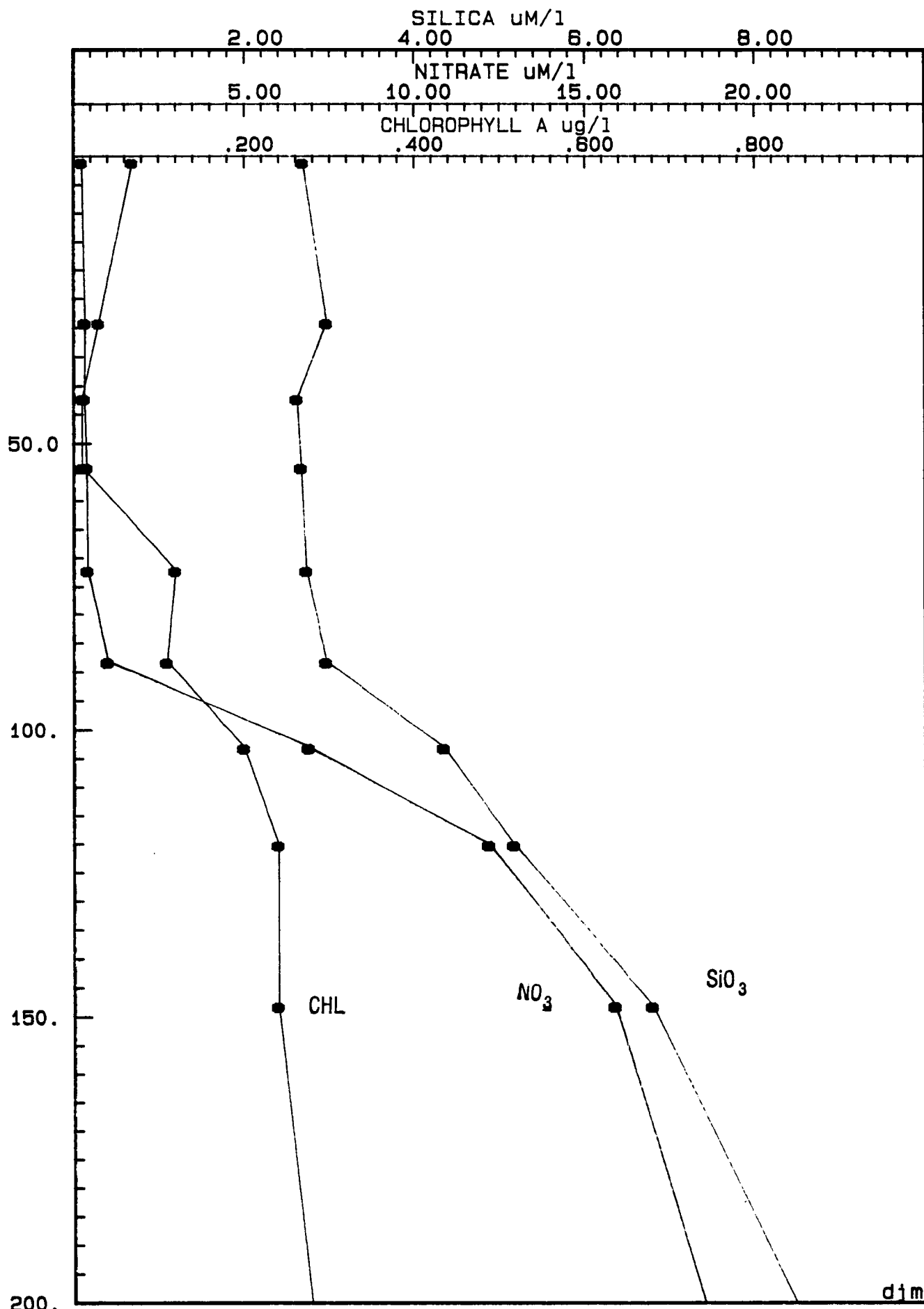
CRUISE: 90G10 STATION: B90G10*21*1 DATE: 13JULY90
LATITUDE: 27 50.0 LONGITUDE: 93 24.6

djm



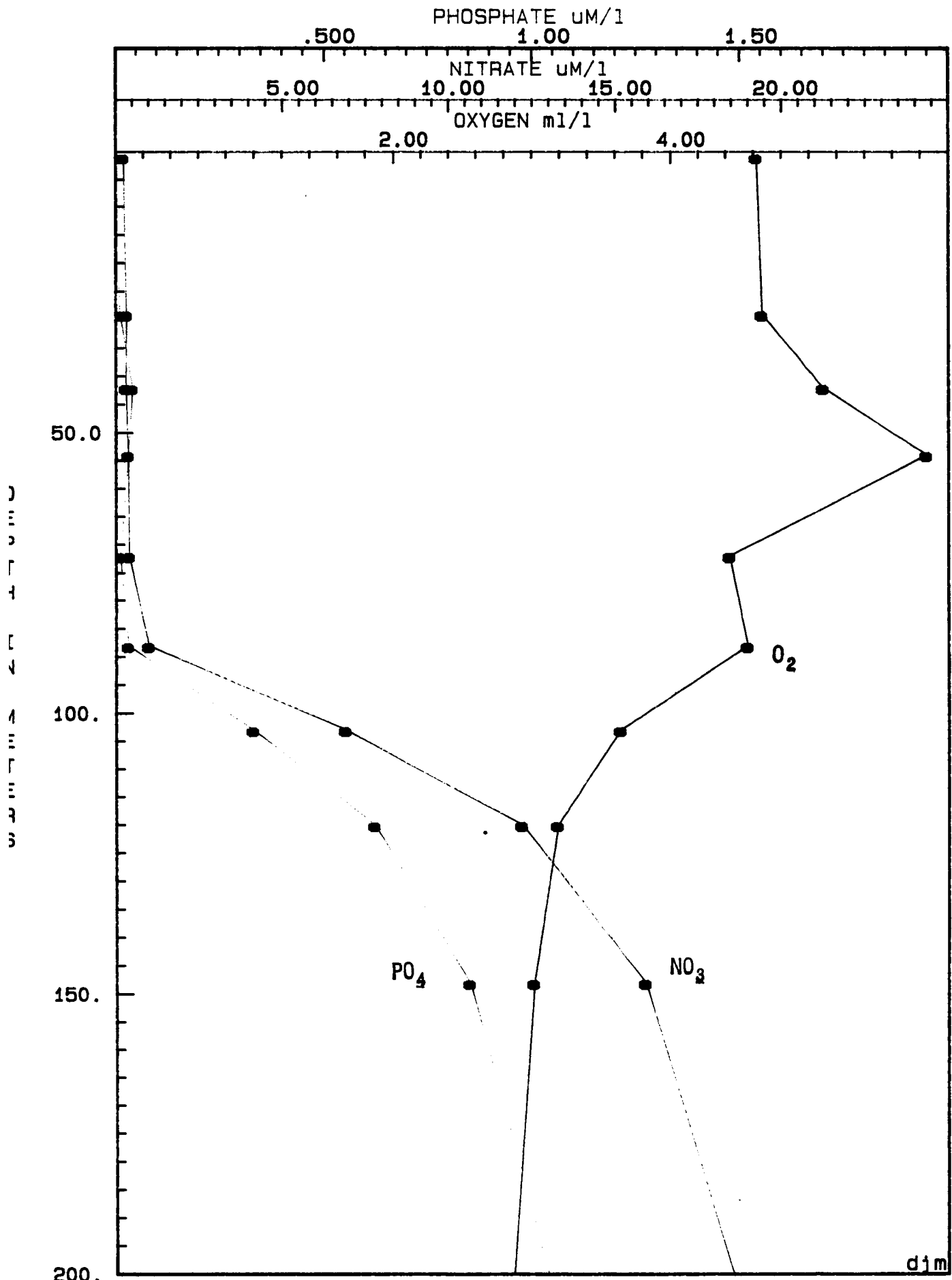
CRUISE: 90G10 STATION: B90G10*21*1 DATE: 13JULY90
LATITUDE: 27 50.0 LONGITUDE: 93 24.8

djm



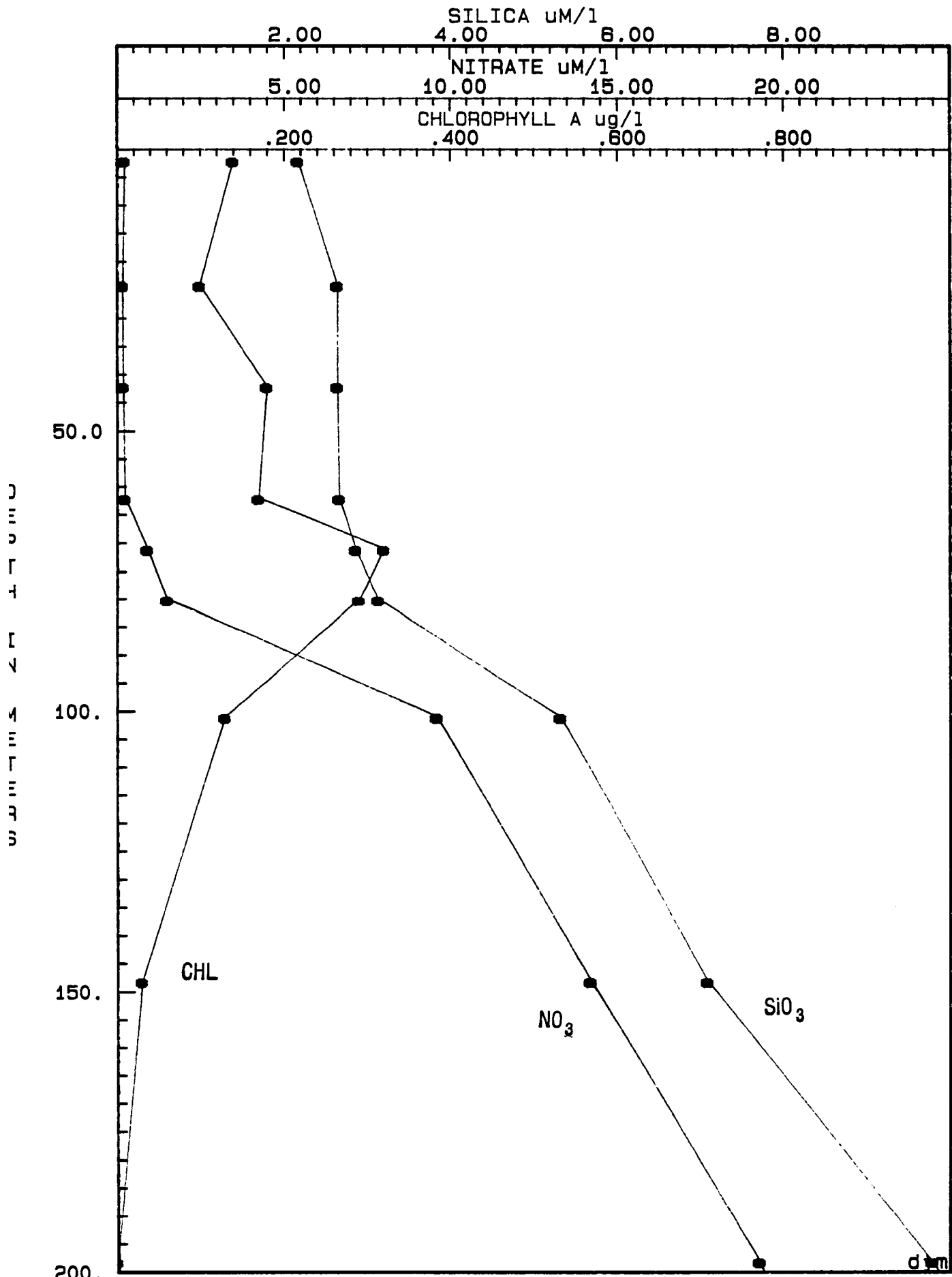
CRUISE: 90G10 STATION: B90G10*22*1 DATE: 0023
LATITUDE: 27 44.8 LONGITUDE: 93 20.5

dim

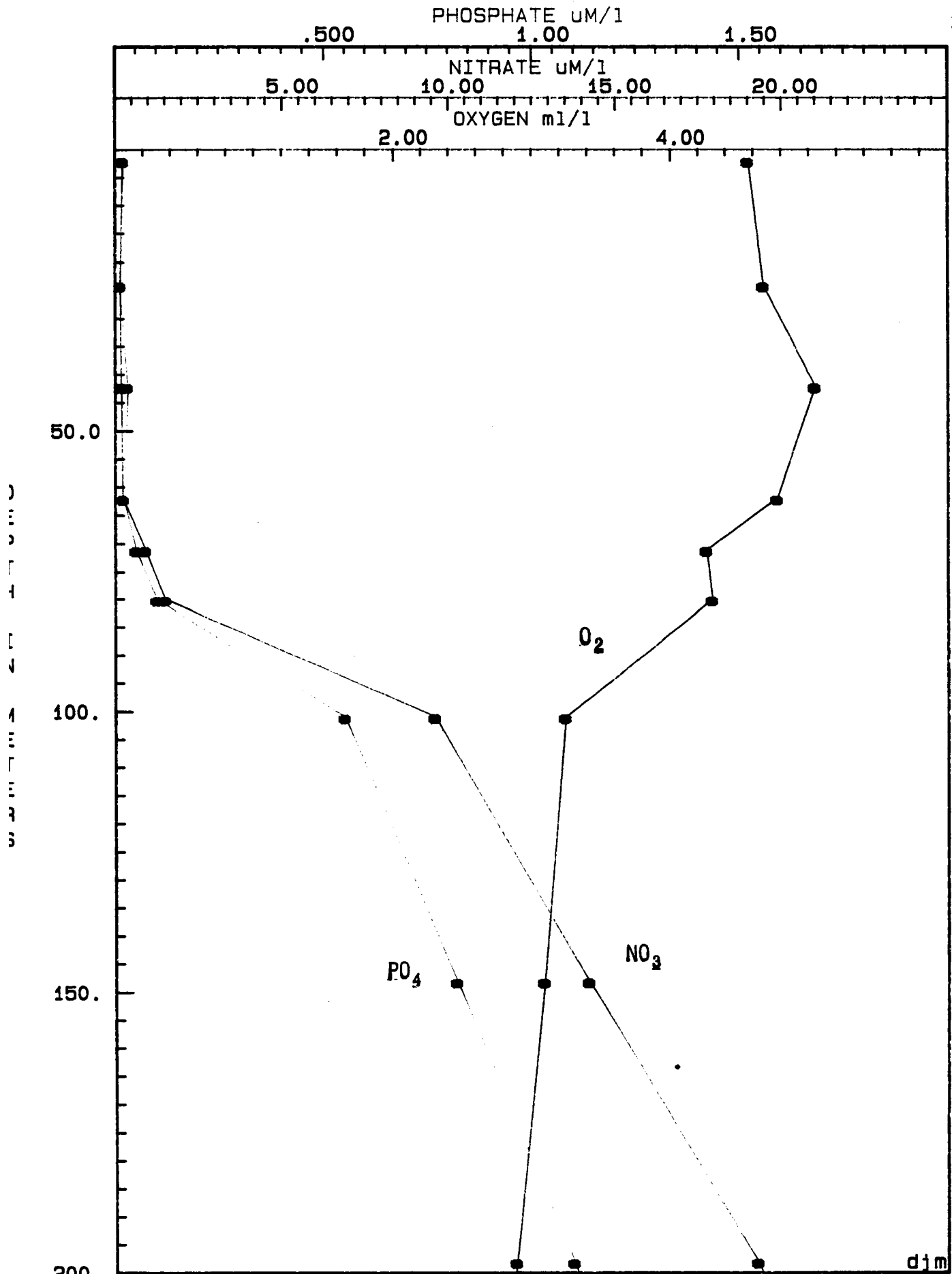


CRUISE: 90G10 STATION: B90G10*22*1 DATE: 0023
LATITUDE: 27 44.8 LONGITUDE: 93 20.5

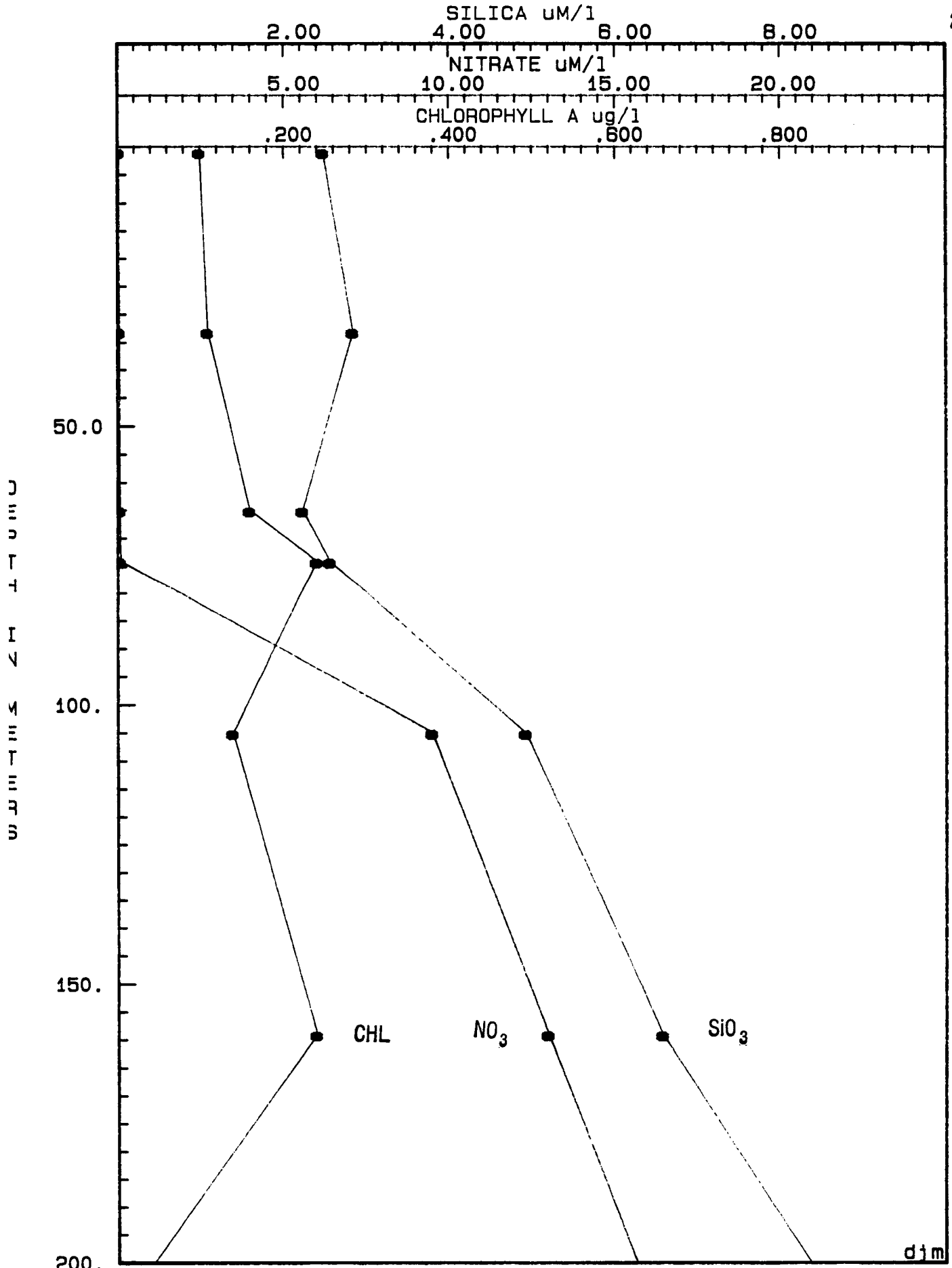
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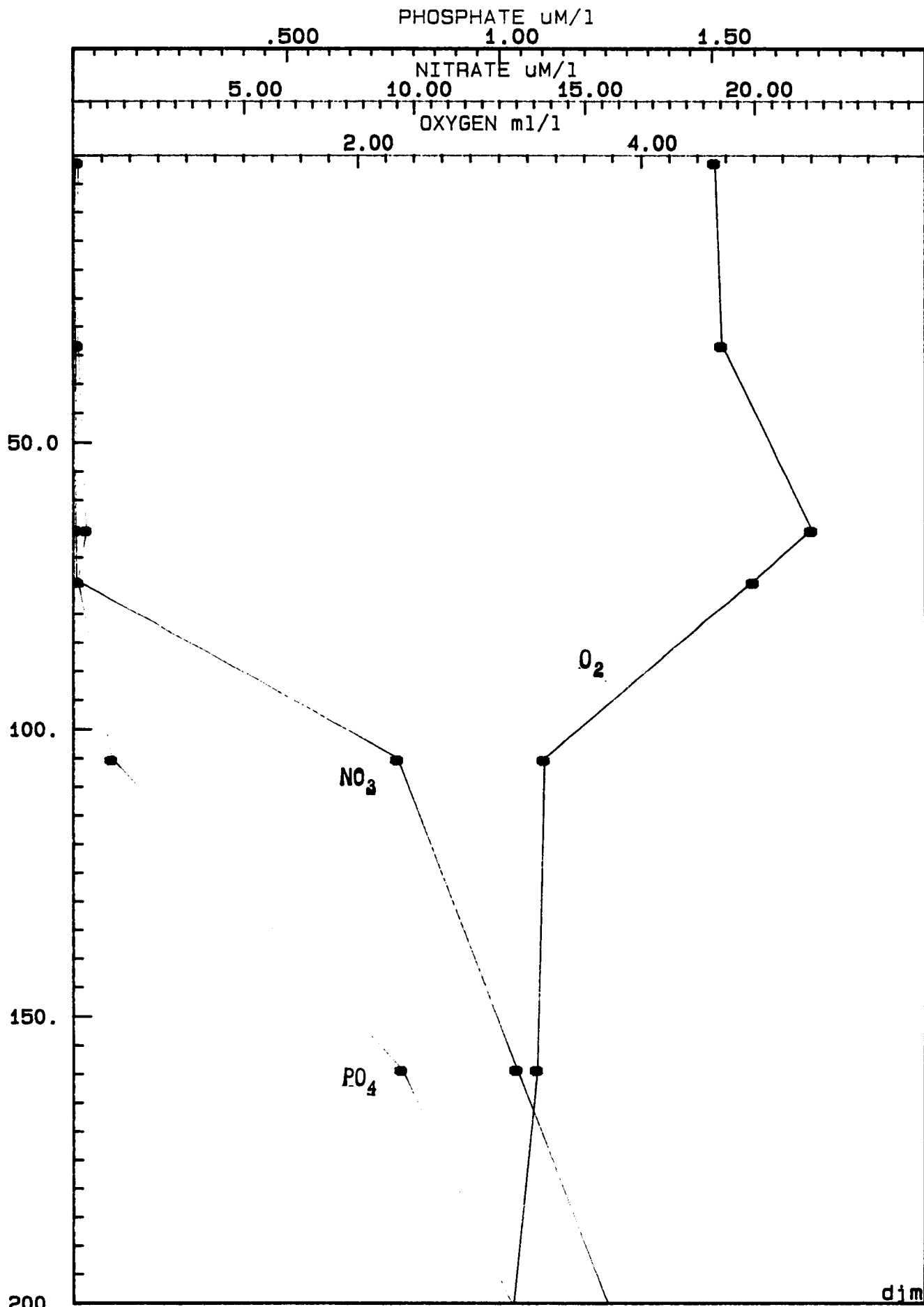
CRUISE: 90G10 STATION: B90G10*23*1 DATE: 14JULY90
LATITUDE: 27 35.2 LONGITUDE: 93 12.0



CRUISE: 90G10 STATION: B90G10*23*1 DATE: 14JULY90
LATITUDE: 27 35.2 LONGITUDE: 93 12.0



CRUISE: 90G10 STATION: B90G10*24*1 DATE: 14JULY90
LATITUDE: 27 30.3 LONGITUDE: 93 7.7



CRUISE: 90G10 STATION: B90G10*24*1 DATE: 14JULY90
LATITUDE: 27 30.3 LONGITUDE: 93 7.7

dim

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*25*1 DATE 14JULY90 GMT 0720 LATITUDE 27 19.6 LONGITUDE 92 56.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICON um/l	NO3 um/l	NO2 um/l	USE um/l
2	----	29.20	.08	-----	35.855	4.527	.13	.02	1.65	.04	.19	.1
22	----	28.99	.08	-----	36.027	4.743	.08	.01	1.65	.06	.19	.0
77	----	20.87	.27	-----	36.314	4.925	.07	.03	2.37	0.00	.21	.0
101	----	19.72	.17	-----	36.507	4.534	.12	.06	2.26	1.73	.30	.0
201	----	14.88	.01	-----	36.015	3.132	.05	.97	7.75	16.70	.02	.0
251	----	13.68	0.00	-----	35.750	3.136	.02	1.20	9.68	19.70	.20	.0
300	----	12.52	0.00	-----	35.569	3.177	0.00	1.40	11.50	20.60	.20	.2
500	----	10.11	0.00	-----	34.976	2.851	0.00	2.02	21.30	28.70	.20	.2
747	----	5.98	0.00	-----	34.889	3.825	0.00	2.03	27.20	28.90	.20	.1

CRUISE 90G10 STATION B90G10*26*1 DATE 14JULY90 GMT 1801 LATITUDE 27 40.9 LONGITUDE 93 12

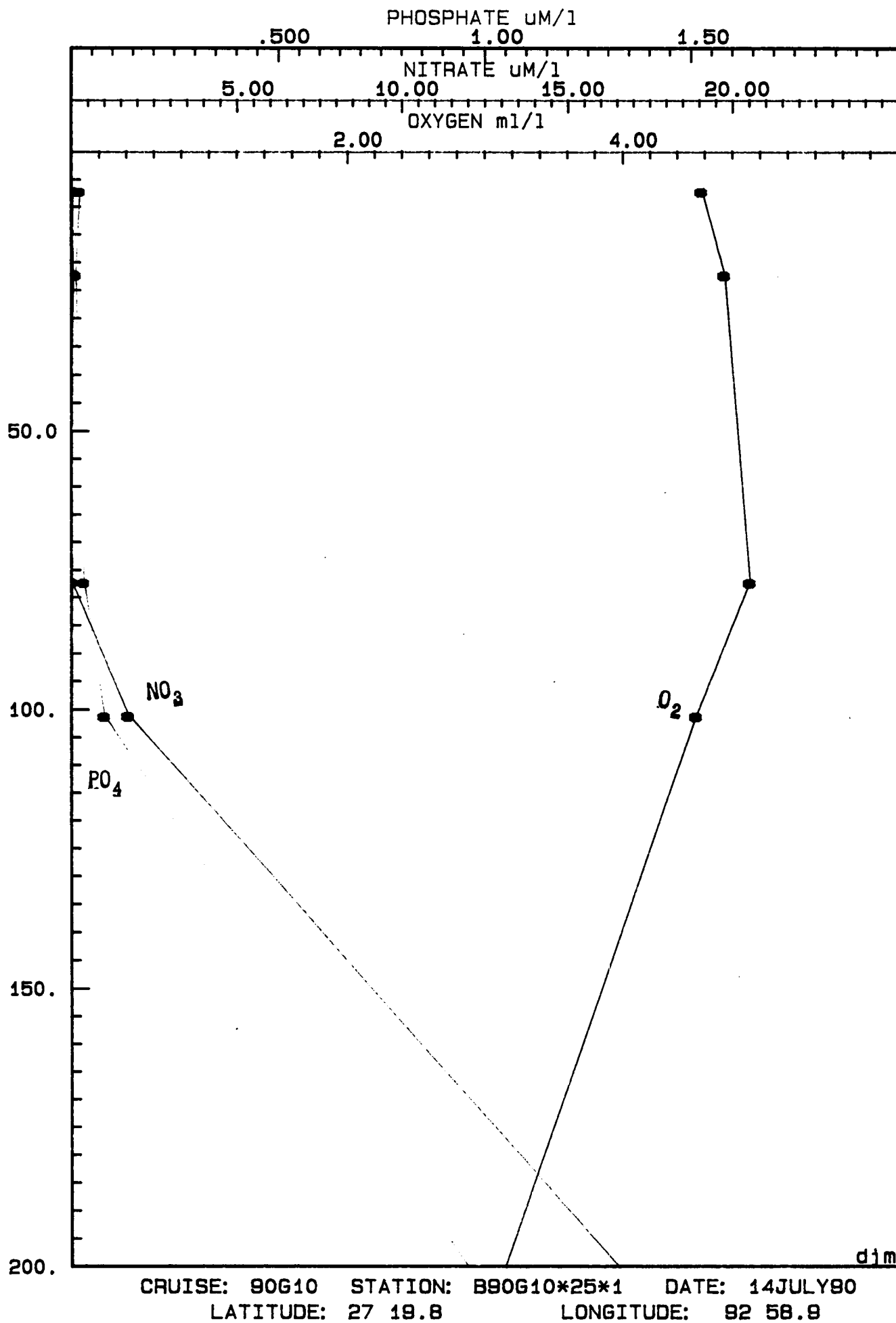
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICON um/l	NO3 um/l	NO2 um/l	USE um/l
2	----	29.06	.08	-----	-----	4.712	.05	.04	2.34	.09	0.00	.0
32	----	28.22	.15	-----	-----	4.971	.04	.04	3.07	.12	.01	.2
63	----	21.12	.27	-----	-----	5.048	.15	.05	3.27	.17	.01	.2
73	----	21.28	.27	-----	-----	4.988	.07	.06	3.00	.16	.02	.2
82	----	20.85	.22	-----	-----	4.789	.04	.07	3.03	.12	.07	.1
101	----	20.17	.16	-----	-----	4.425	.01	.12	3.11	1.39	.16	.0
126	----	18.51	.07	-----	36.385	3.272	.02	.63	5.67	10.50	.03	.0
203	----	14.20	.01	-----	35.841	2.868	.03	1.19	10.50	18.80	.01	.0

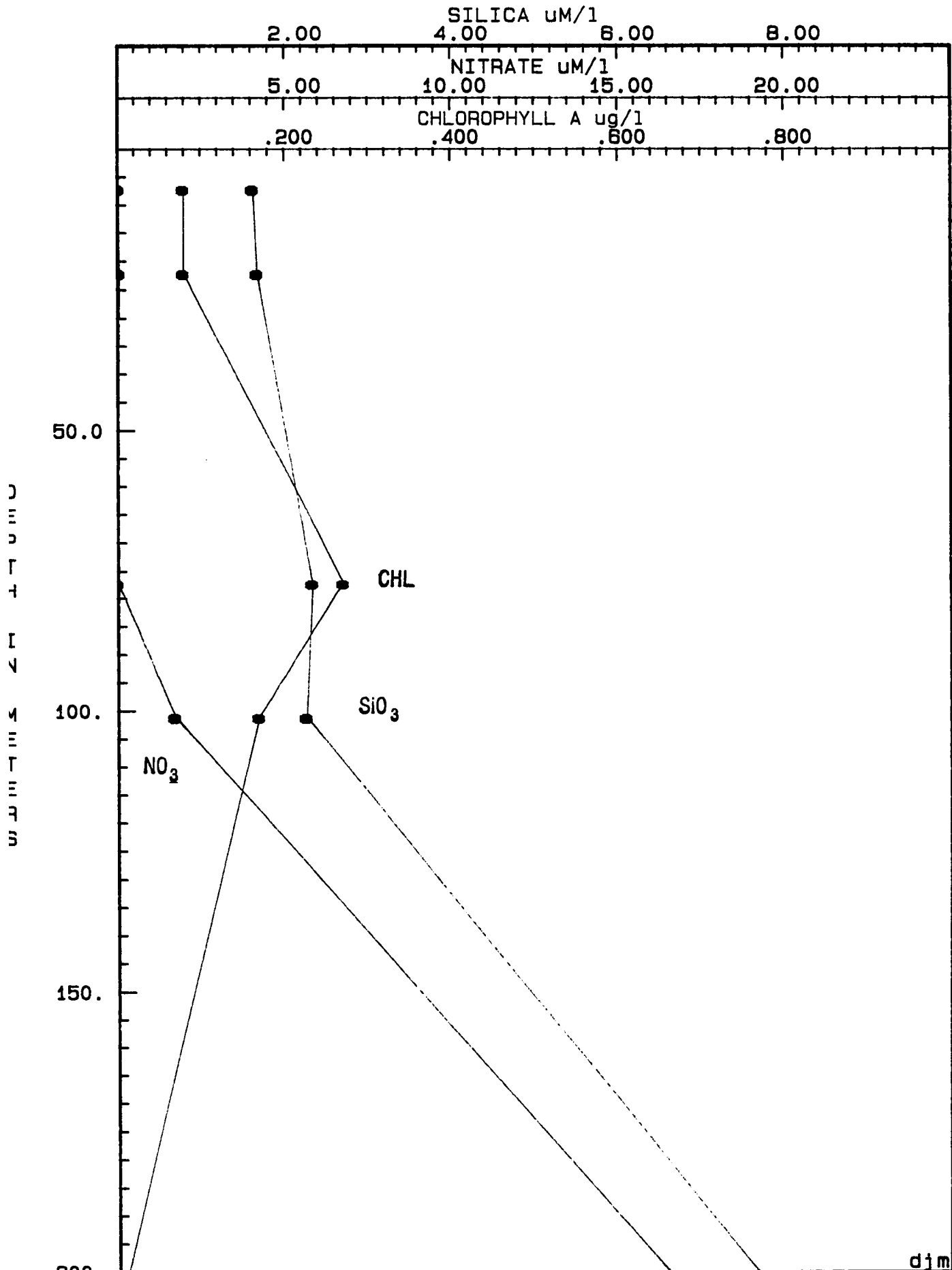
CRUISE 90G10 STATION B90G10*27*1 DATE 14JULY90 GMT 1912 LATITUDE 27 47.0 LONGITUDE 93 11

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICON um/l	NO3 um/l	NO2 um/l	USE um/l
2	----	29.19	-----	-----	-----	4.749	.08	.05	2.24	.14	0.00	.2
22	----	29.20	-----	-----	-----	4.846	.09	.06	2.92	.09	.01	.2
42	----	24.71	.07	-----	-----	5.121	.04	.02	2.85	.03	0.00	.1
62	----	22.54	.14	-----	-----	5.158	.04	.08	2.93	0.00	.02	.0
71	----	21.75	.24	-----	-----	5.406	.11	.09	3.01	.06	.14	.2
80	----	21.35	.29	-----	-----	5.068	.02	.07	3.19	.07	.13	.0
127	----	19.63	.02	-----	-----	3.195	.03	.70	6.38	11.30	.03	.0
151	----	16.77	.05	-----	36.184	3.001	.07	.85	7.65	13.00	.01	.0

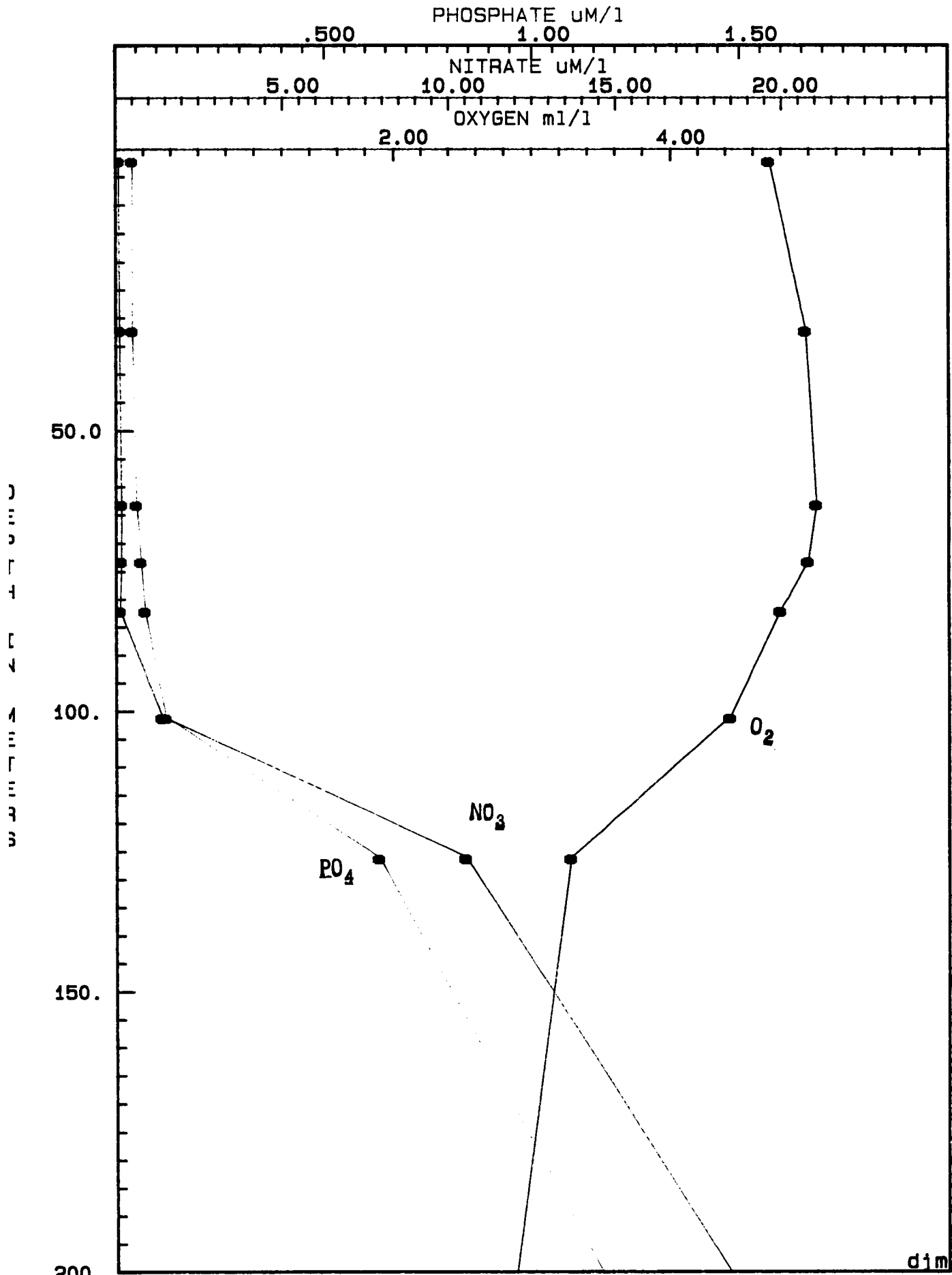
CRUISE 90G10 STATION B90G10*28*1 DATE 14JULY90 GMT 2024 LATITUDE 27 53.5 LONGITUDE 93 01.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	SILICON um/l	NO3 um/l	NO2 um/l	USE um/l
2	----	29.17	.09	-----	-----	4.820	.09	.02	2.21	.09	.01	.1
22	----	28.62	.12	-----	-----	4.790	.12	.04	2.20	.12	0.00	.2
42	----	24.40	.29	-----	-----	5.084	.05	.04	3.68	0.00	.01	.1
61	----	21.83	.42	-----	-----	4.853	.04	.09	4.25	.14	.55	.1
71	----	21.41	.21	-----	-----	4.858	.04	.08	3.99	.50	.19	.0
81	----	21.02	.19	-----	-----	4.816	.04	.06	3.58	.56	.18	.0
101	----	20.15	.11	-----	-----	4.275	.03	.18	4.05	2.75	.03	.0
121	----	16.74	.05	-----	-----	3.306	.04	.59	6.23	8.94	.03	.0
136	----	16.95	.03	-----	-----	3.026	0.00	.85	8.27	13.10	.02	.1
163	----	15.01	.01	-----	36.000	2.985	.02	.98	9.52	15.30	.02	.0



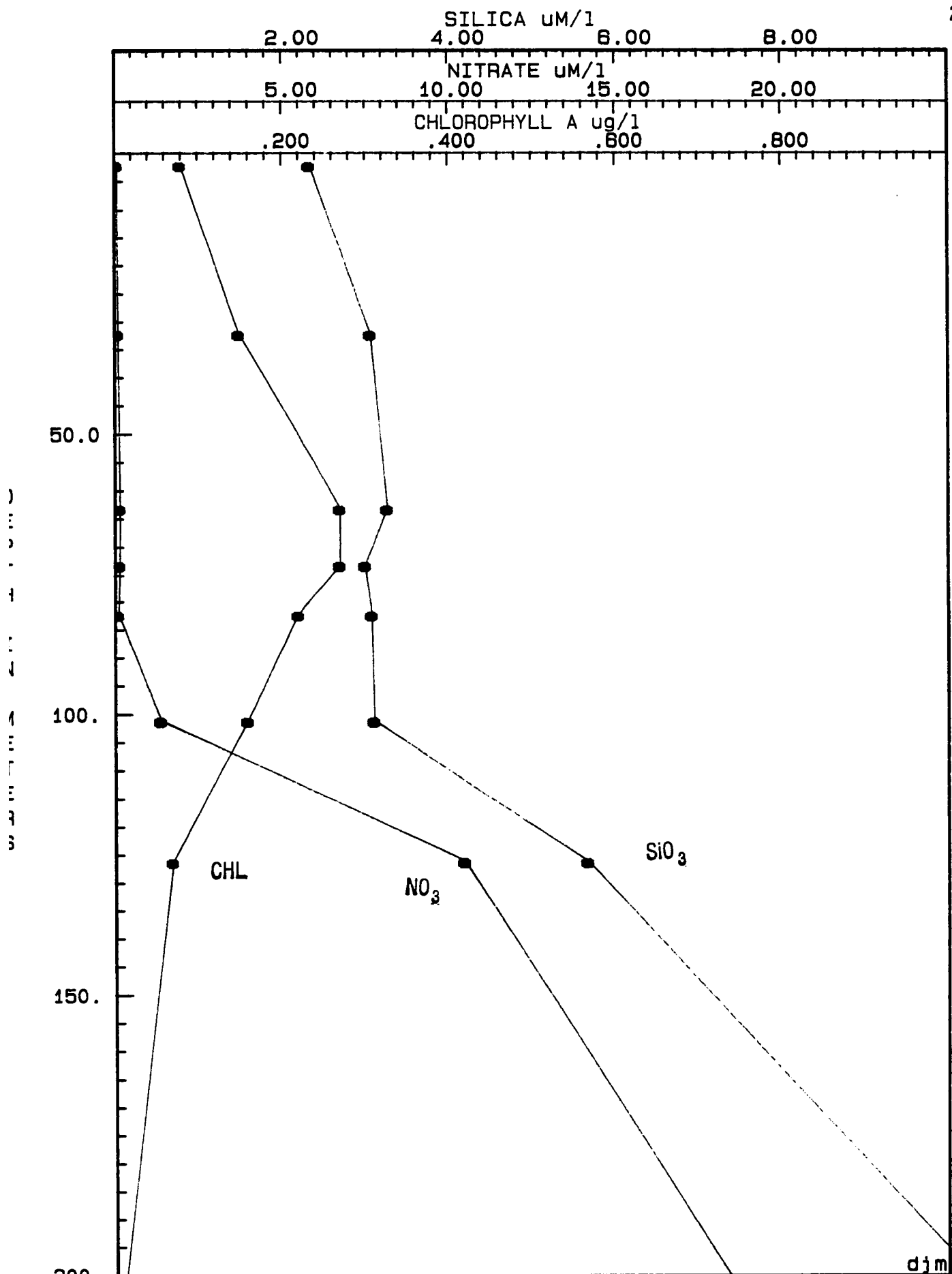


CRUISE: 90G10 STATION: B90G10*25*1 DATE: 14JULY90
LATITUDE: 27 19.8 LONGITUDE: 92 58.9

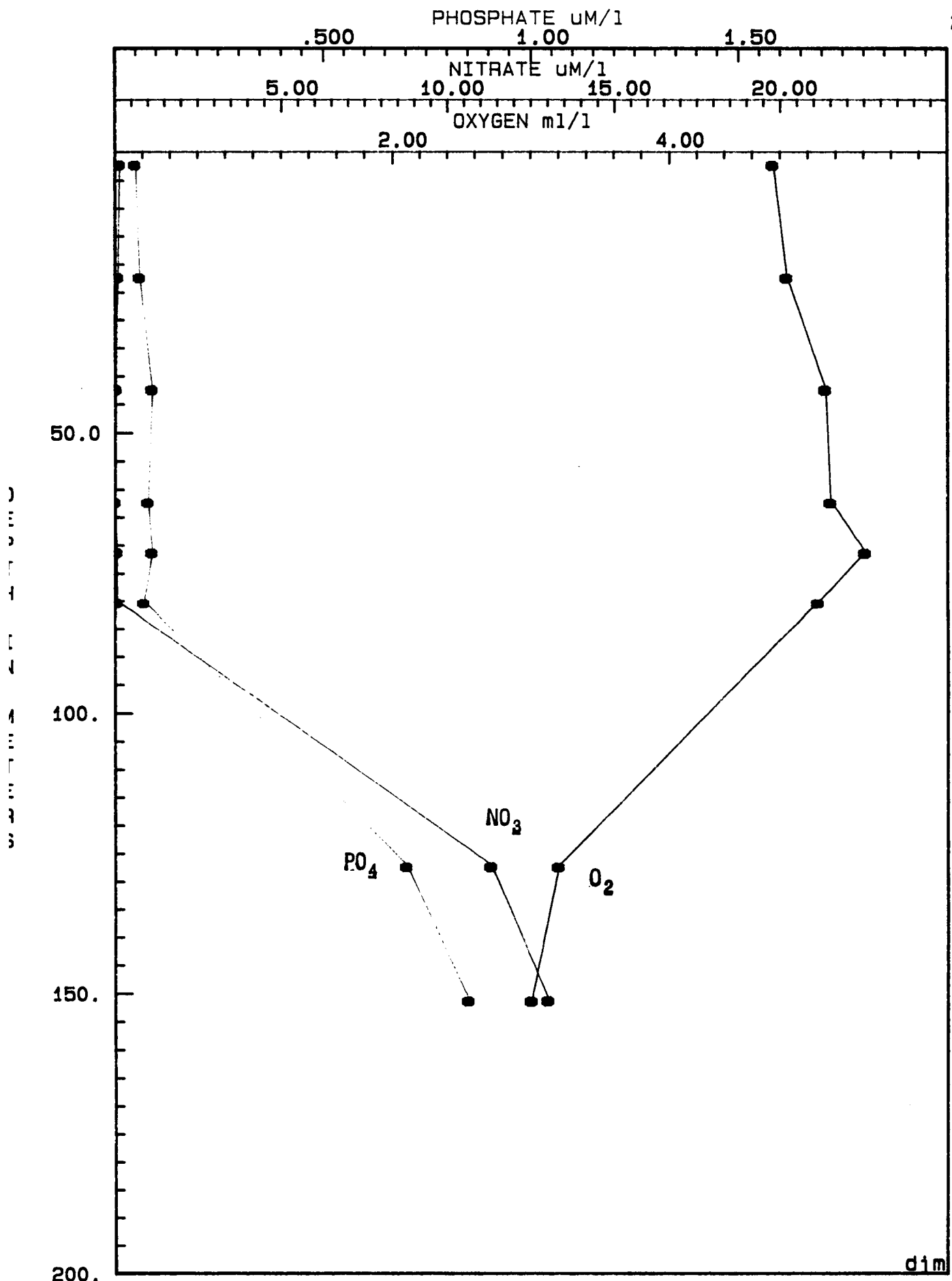


CRUISE: 90G10 STATION: B90G10*28*1 DATE: 14JULY90
LATITUDE: 27 40.8 LONGITUDE: 93 .2

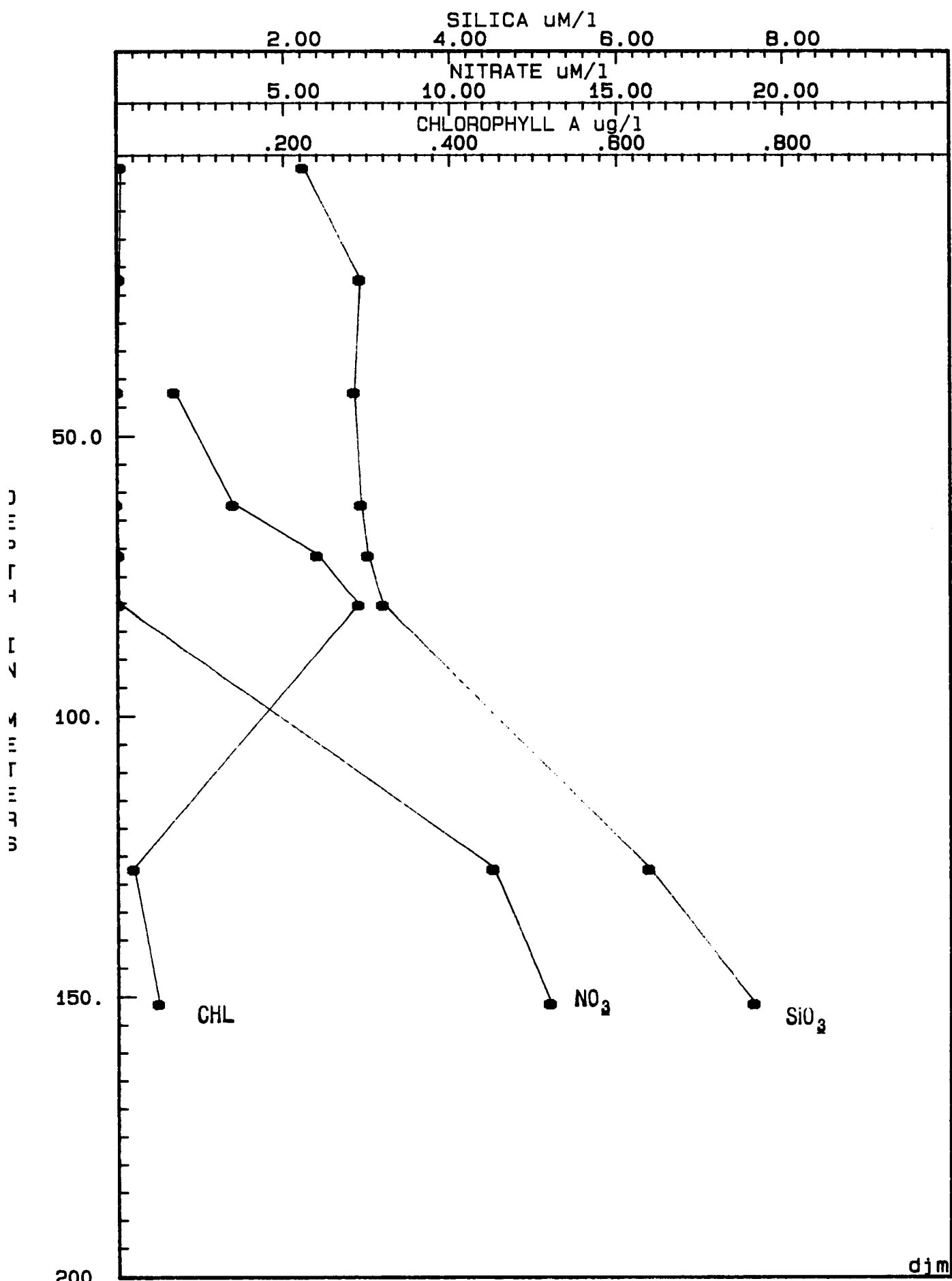
dim



CRUISE: 90G10 STATION: B90G10*28*1 DATE: 14JULY90
LATITUDE: 27 40.8 LONGITUDE: 93 .2

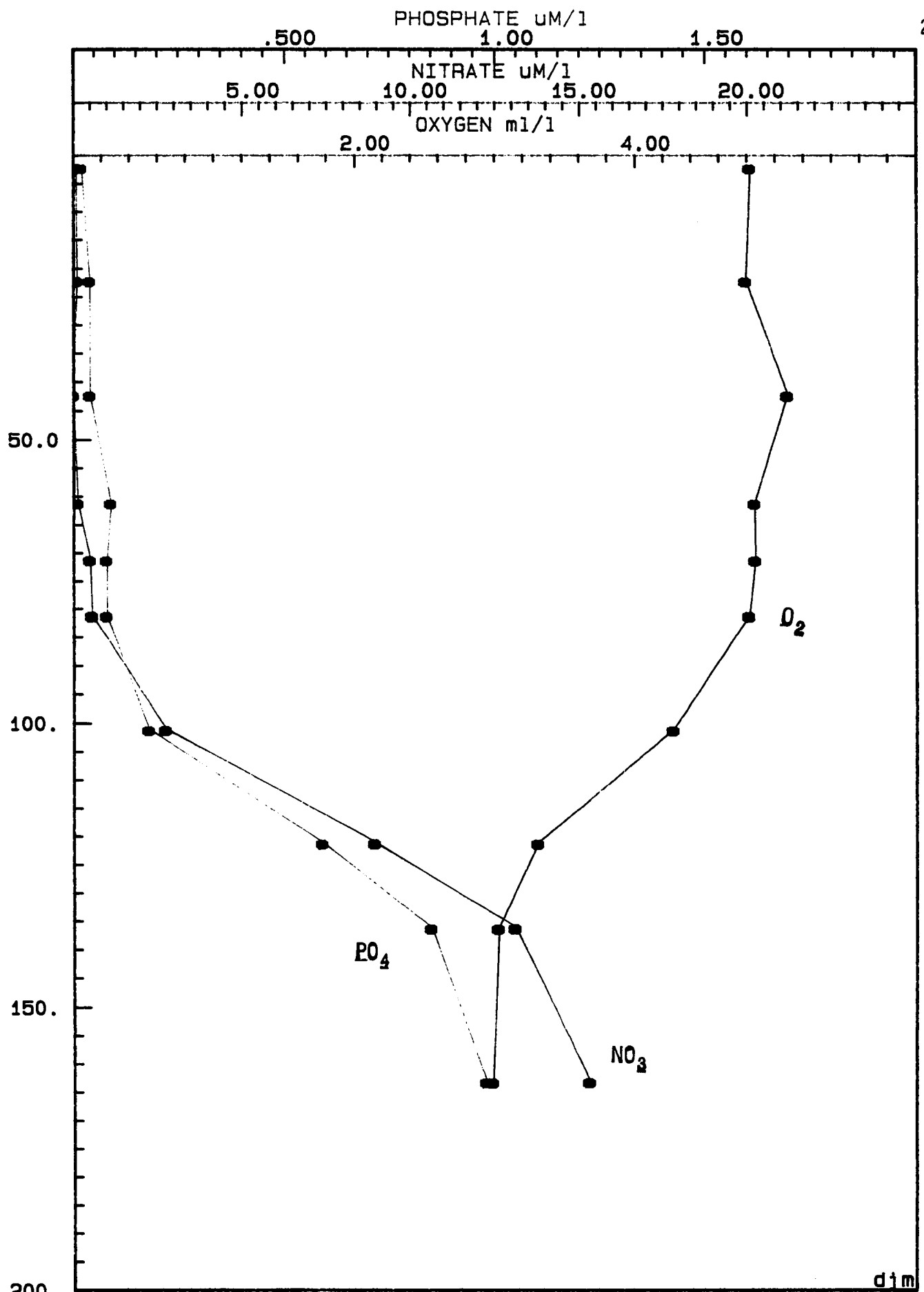


CRUISE: 90G10 STATION: B90G10*27*1 DATE: 14JULY90
 LATITUDE: 27 47.2 LONGITUDE: 93 .1



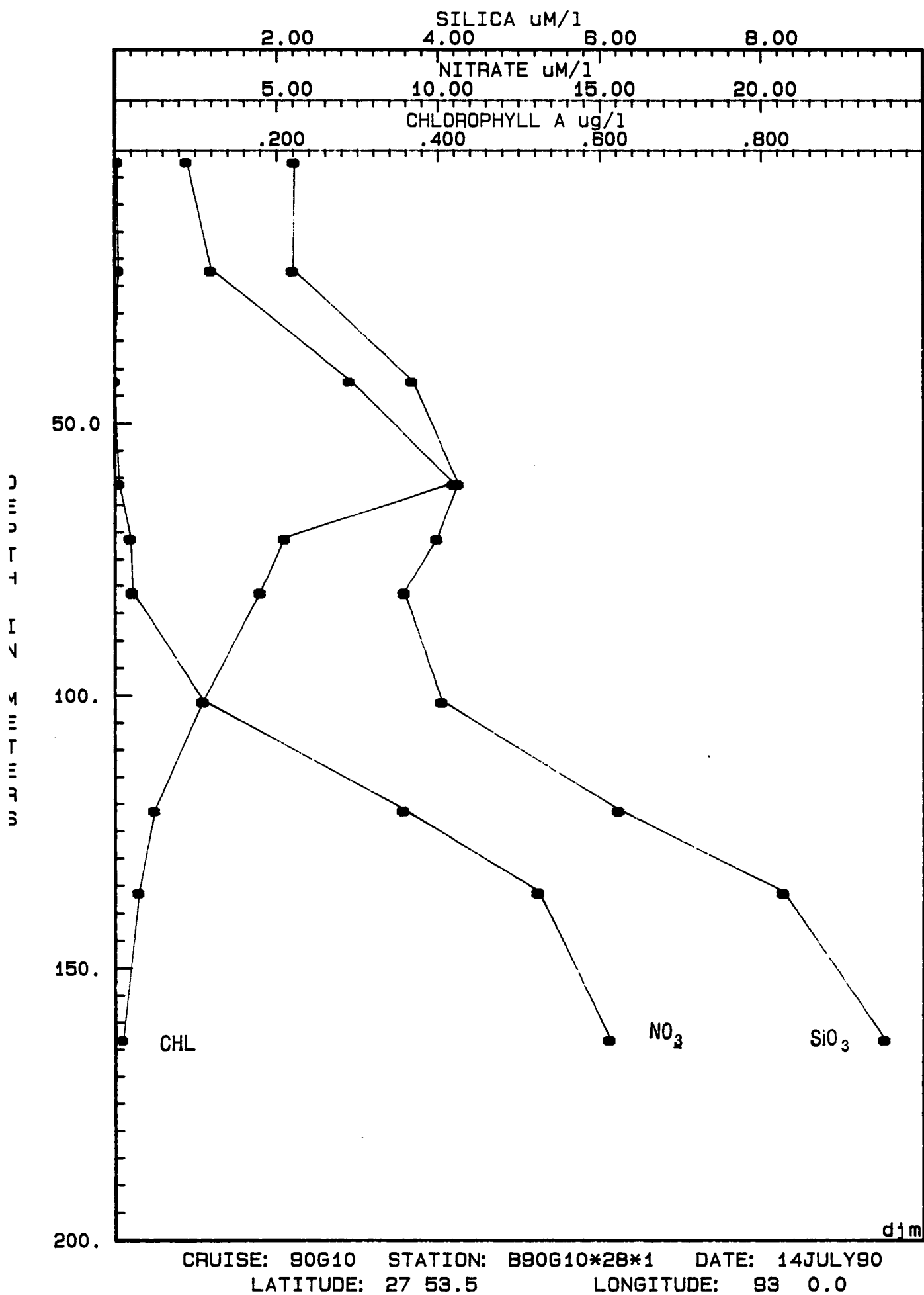
CRUISE: 90G10 STATION: B90G10*27*1 DATE: 14JULY90
LATITUDE: 27 47.2 LONGITUDE: 93 .1

djm



CRUISE: 90G10 STATION: B90G10*28*1 DATE: 14JULY80
LATITUDE: 27 53.5 LONGITUDE: 93 0.0

dim



CRUISE: 90G10 STATION: B90G10*28*1 DATE: 14JULY90
 LATITUDE: 27 53.5 LONGITUDE: 93 0.0

djm

CRUISE 90G10 STATION B90G10*29*1

DATE 14JULY90 GMT 2129

LATITUDE 27 59.5 LONGITUDE 93 0.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l	
2	----	29.01	.11	-----	-----	5.143	.03	.01	2.93	.06	0.00	.2	
22	----	29.76	0.00	-----	-----	4.947	.06	.02	2.75	.01	0.00	.1	
42	----	25.03	.19	-----	-----	5.162	.01	.03	3.11	.06	0.00	.1	
61	----	22.16	.39	-----	-----	4.813	.03	.07	4.09	.41	.22	.1	
71	----	21.54	.35	-----	-----	4.729	.04	.10	4.20	.75	.14	.0	
81	----	21.08	.24	-----	-----	4.394	.11	.19	4.30	2.25	.12	.1	
103	----	18.71	.13	-----	-----	36.371	3.615	.10	.40	5.76	6.75	.06	.1

CRUISE 90G10 STATION B90G10*30*1

DATE 14JULY90 GMT 2241

LATITUDE 28 6.0 LONGITUDE 93 .6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l	
2	----	28.85	.20	-----	-----	4.361	.03	.01	2.15	0.00	.02	.2	
21	----	29.63	.14	-----	-----	4.940	.03	.03	3.13	.06	.01	.2	
41	----	24.22	.26	-----	-----	5.026	.01	.03	3.58	.10	.01	.3	
61	----	21.83	.31	-----	-----	4.727	.01	.09	4.66	.90	.20	.3	
70	----	21.16	.26	-----	-----	4.353	.02	.19	4.87	2.95	.09	.3	
83	----	19.42	.17	-----	-----	36.372	3.973	.04	.29	5.19	4.63	.09	.2

CRUISE 90G10 STATION B90G10*31*1

DATE 15JULY90 GMT 0125

LATITUDE 28 12.2 LONGITUDE 93 0.0

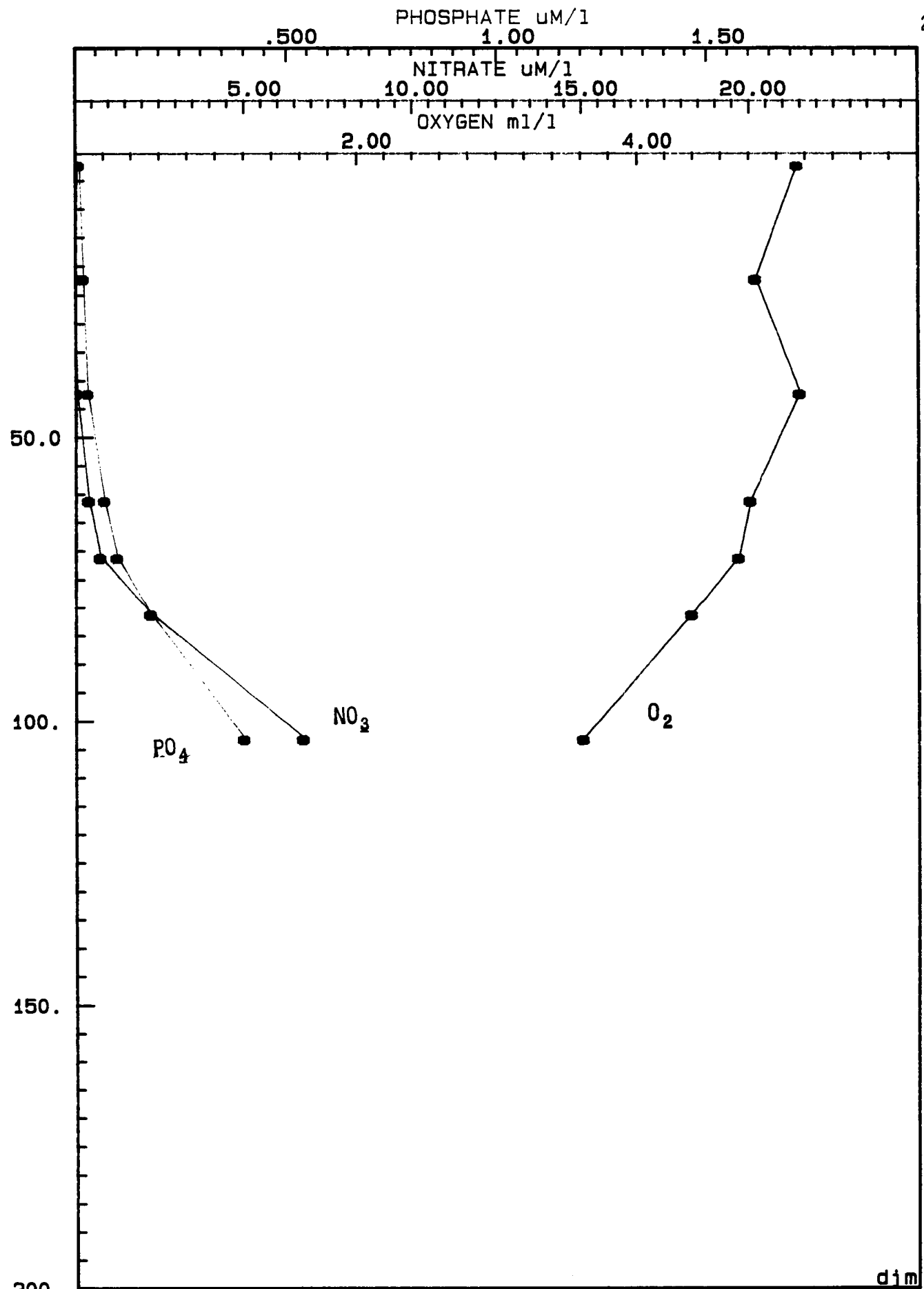
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l	
2	----	28.89	.19	-----	-----	4.906	.11	.01	1.65	.03	.01	.3	
21	----	29.06	.20	-----	-----	4.885	.07	.03	3.51	.03	.01	.2	
42	----	23.45	.31	-----	-----	4.973	.08	.06	4.25	.02	.04	.2	
51	----	22.35	.40	-----	-----	4.627	.16	.13	5.50	.36	.43	.3	
63	----	21.27	.47	-----	-----	36.346	4.979	.09	.19	6.59	1.01	.72	.2

CRUISE 90G10 STATION B90G10*32*1

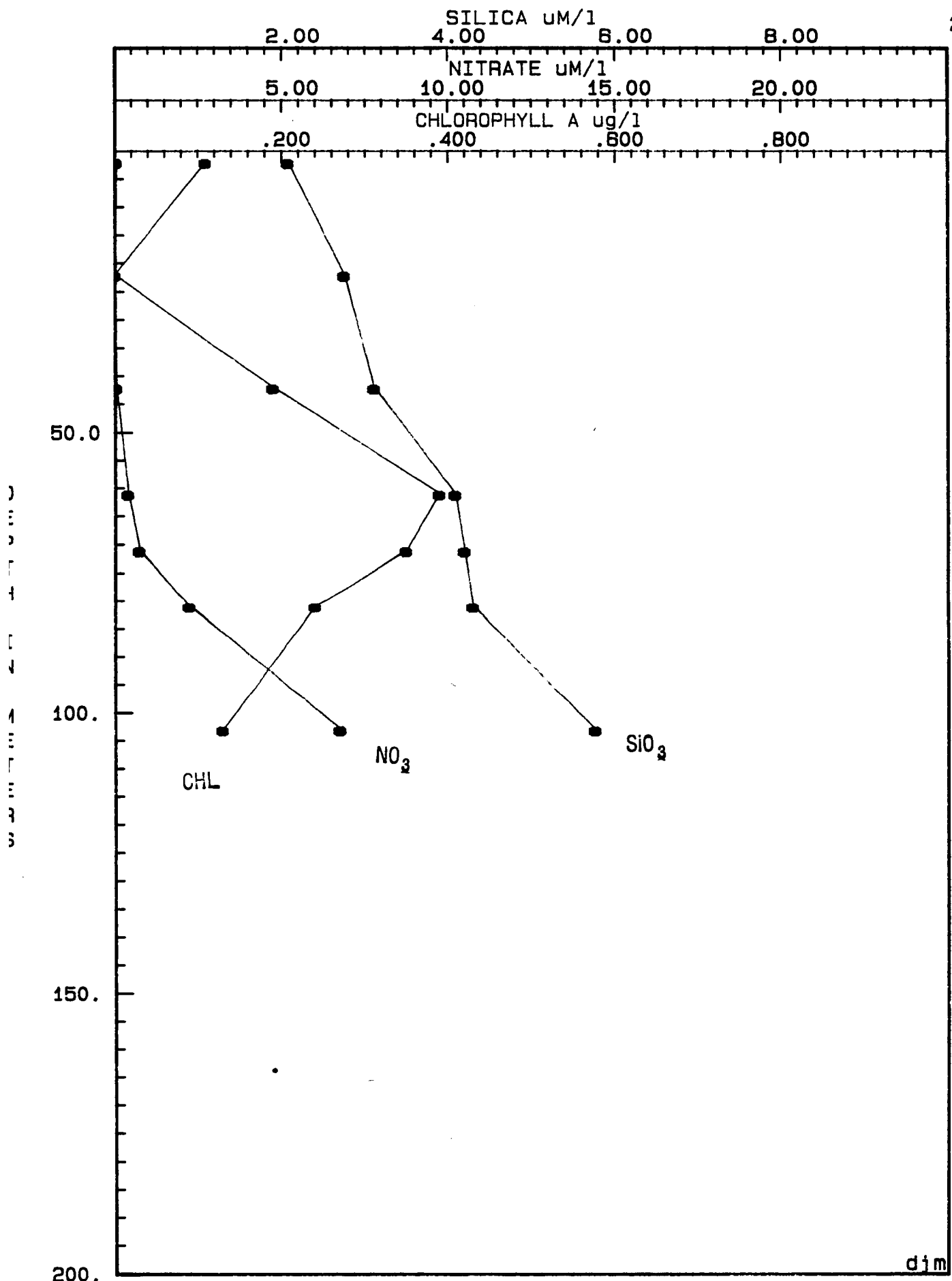
DATE 15JULY90 GMT 0235

LATITUDE 28 15.5 LONGITUDE 92 59.6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l	
2	----	29.10	.26	-----	-----	29.129	4.922	.06	0.00	1.30	.21	0.00	1.9
11	----	29.34	.18	-----	-----	32.079	4.937	.03	0.00	2.24	.17	0.00	2.0
20	----	28.75	.22	-----	-----	34.364	4.999	0.00	0.02	3.95	.02	0.00	3.0
37	----	24.50	.37	-----	-----	35.974	5.114	.03	.03	3.72	.06	0.00	3.7
50	----	21.91	.60	-----	-----	36.235	4.304	.04	.18	6.49	.88	.24	6.4

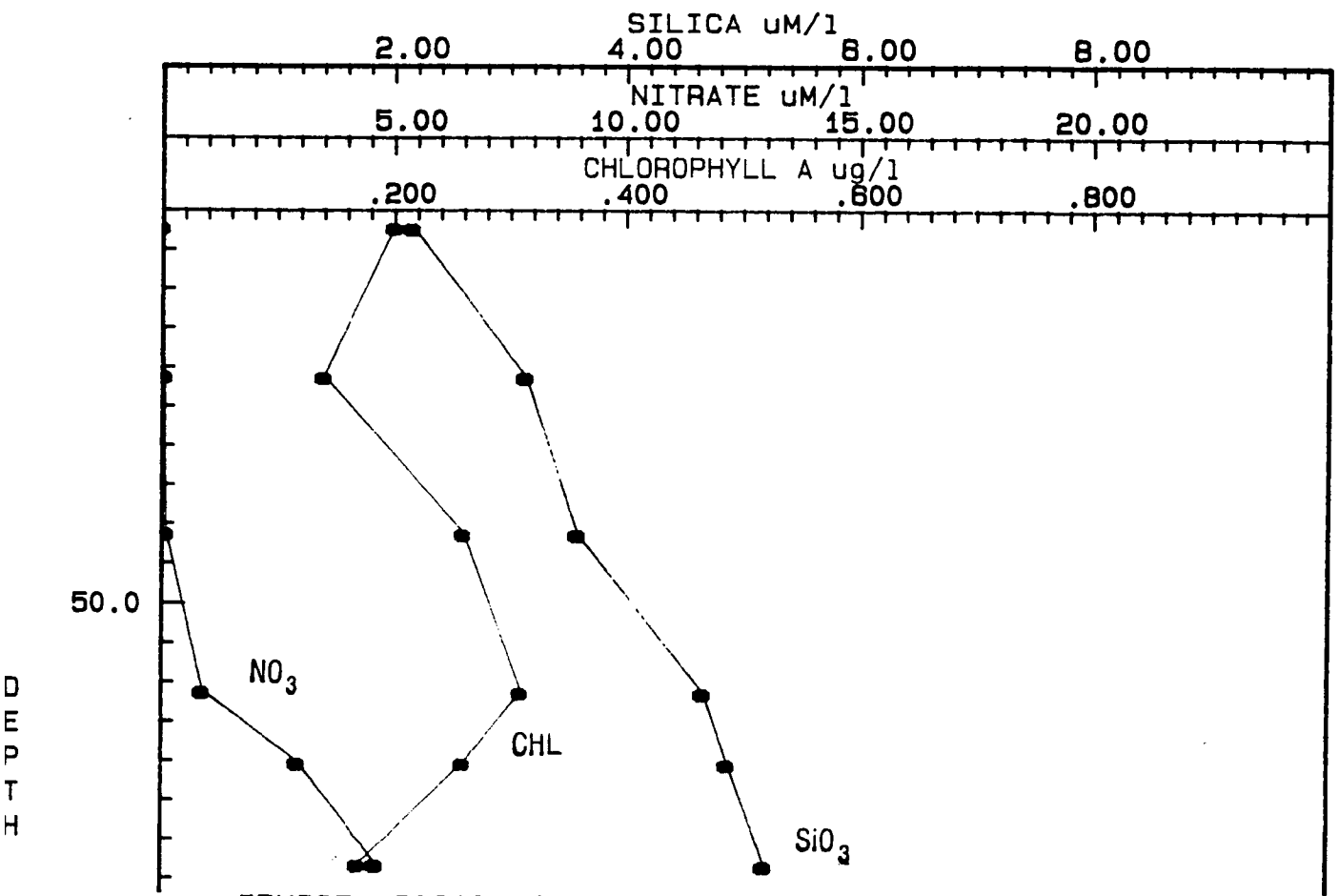
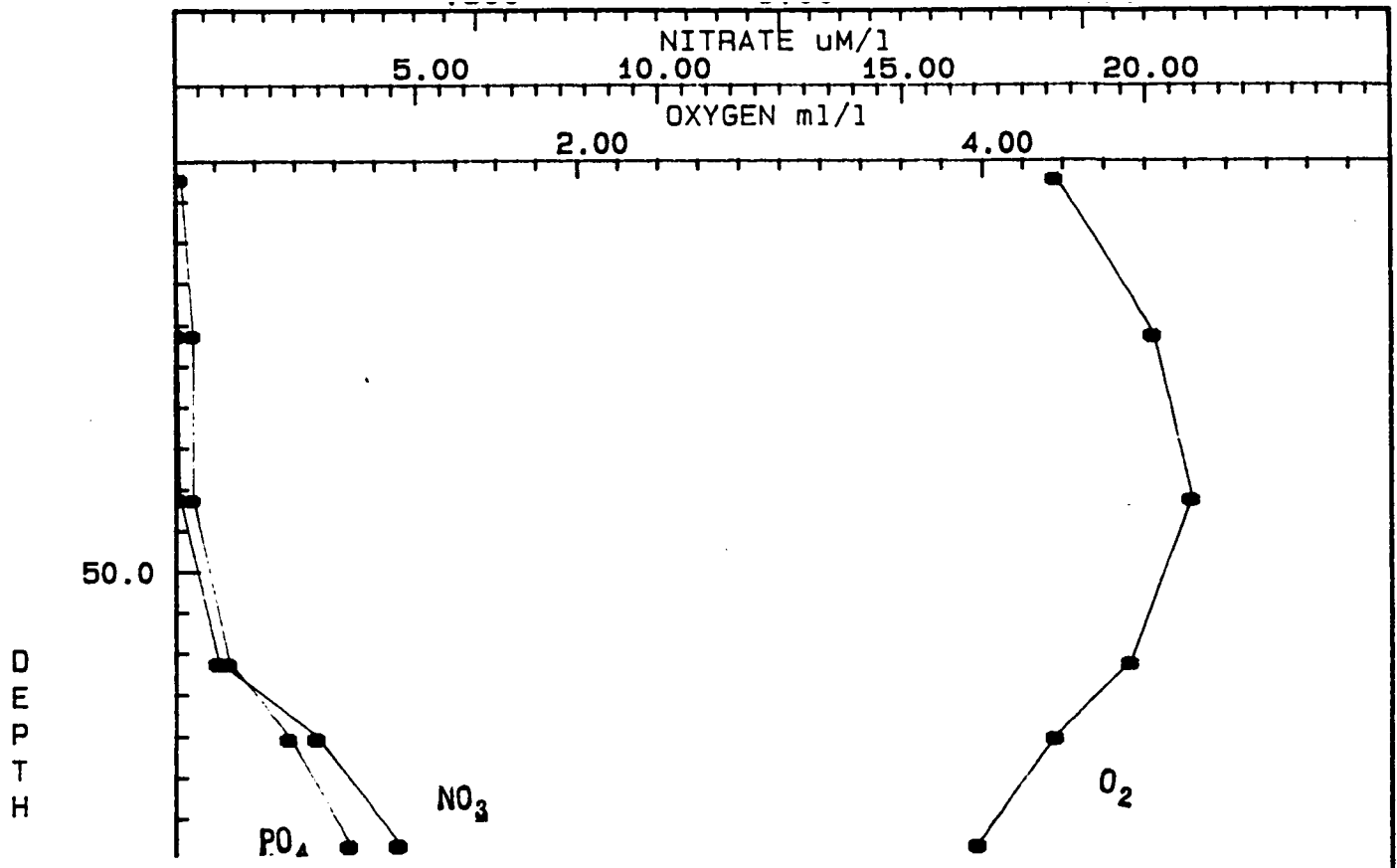


CRUISE: 90G10 STATION: B90G10*29*1 DATE: 14JULY90
LATITUDE: 27 59.5 LONGITUDE: 93 0.0

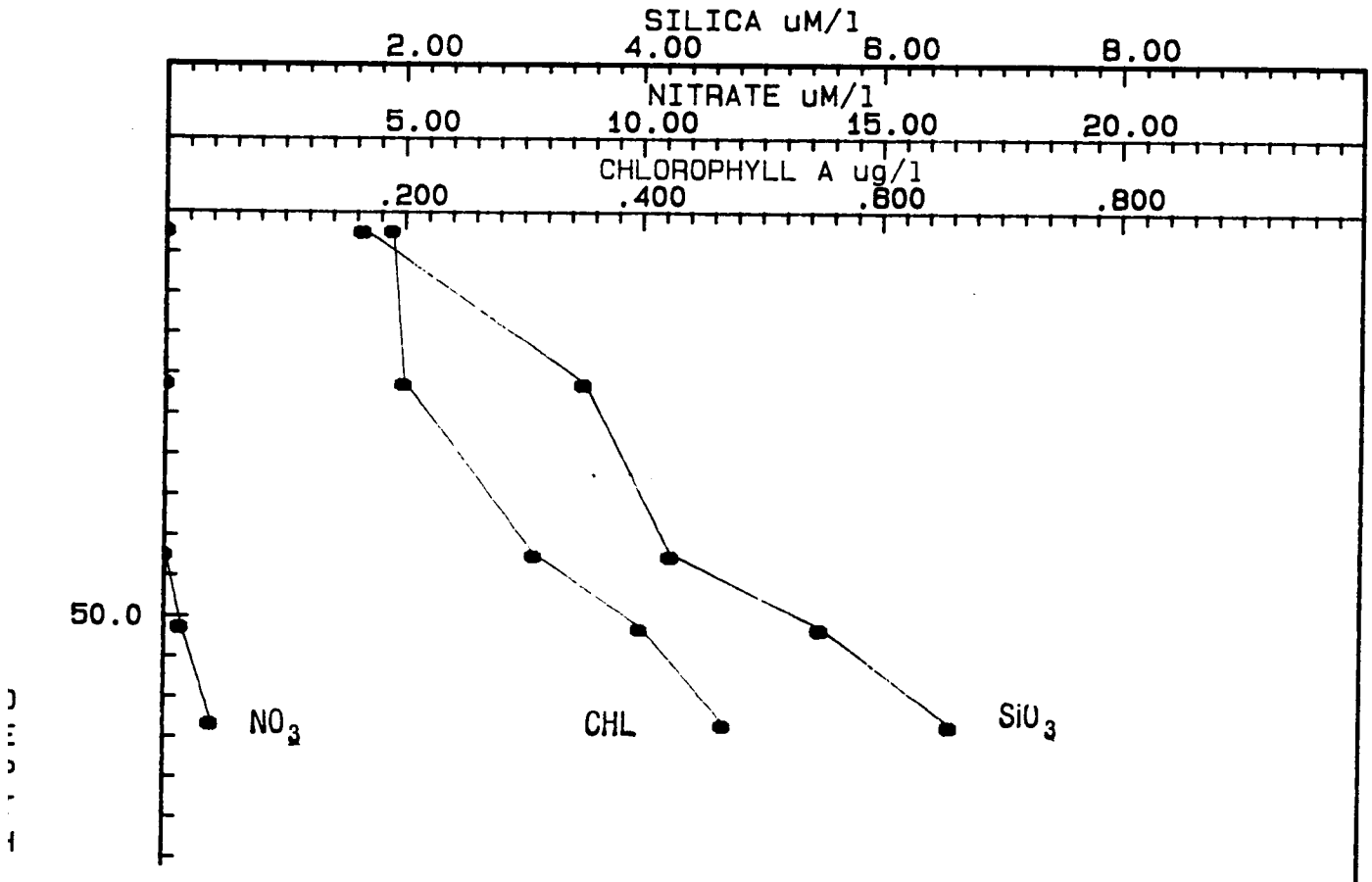
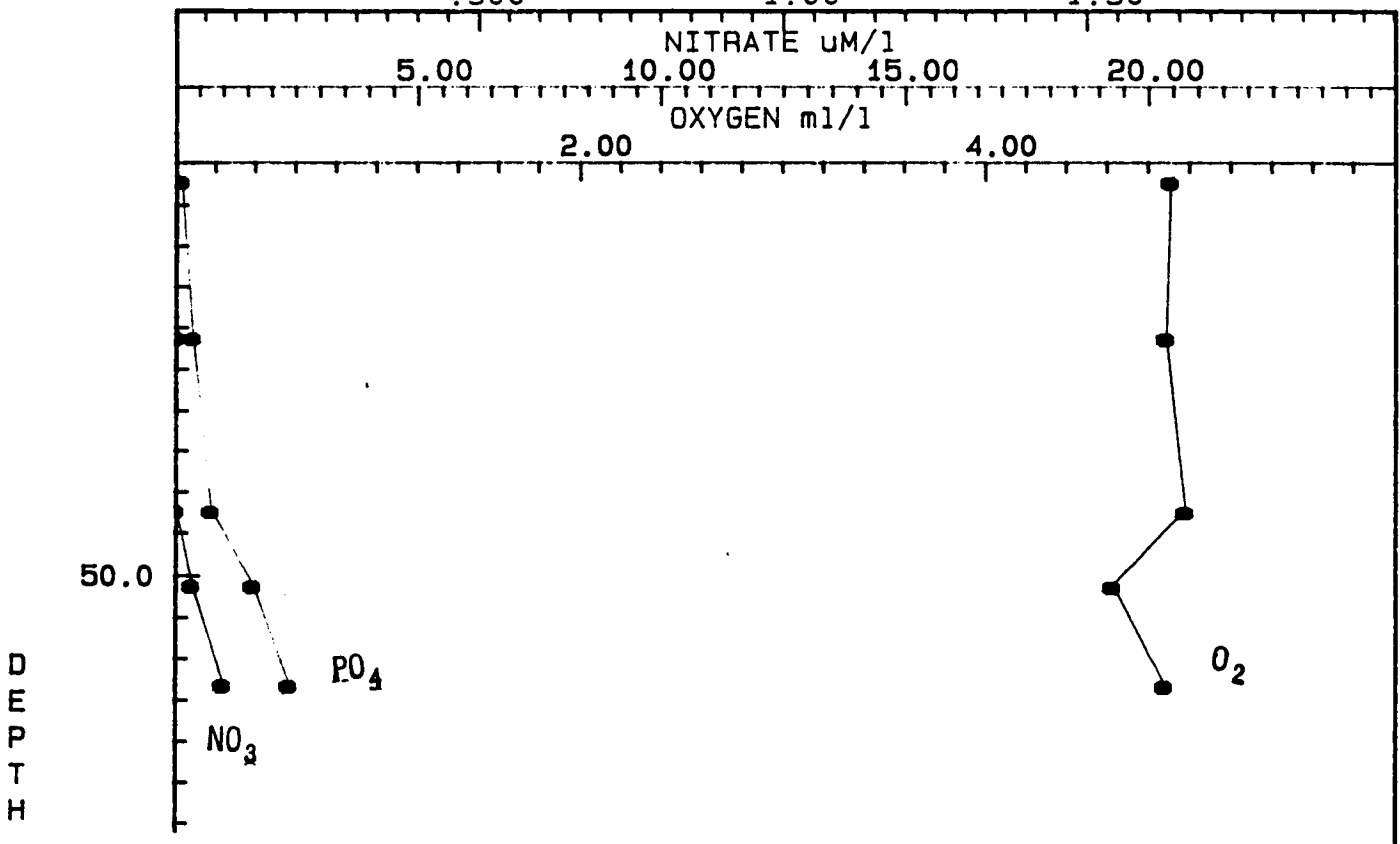


CRUISE: 90G10 STATION: B90G10*29*1 DATE: 14JULY90
LATITUDE: 27 59.5 LONGITUDE: 93 0.0

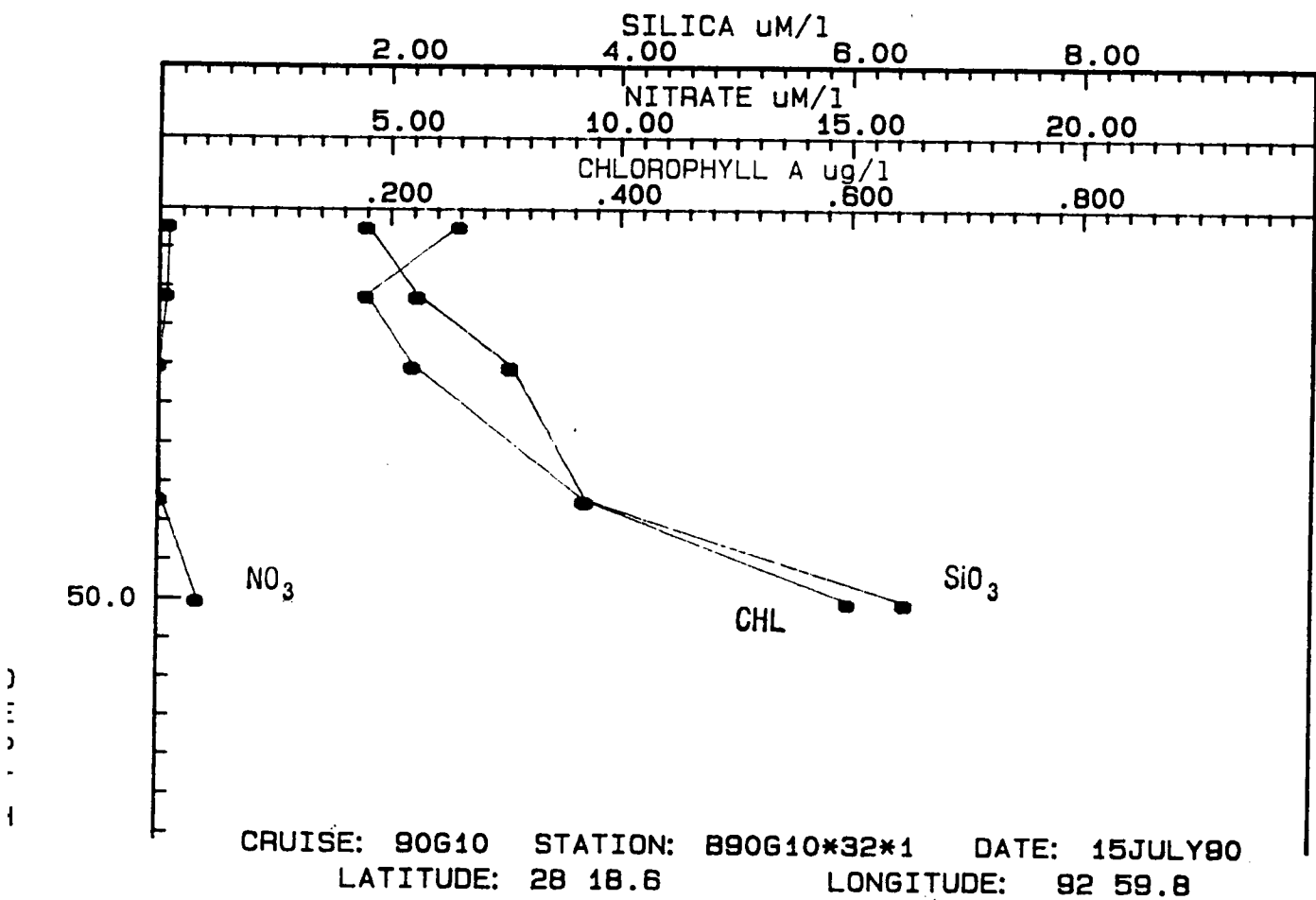
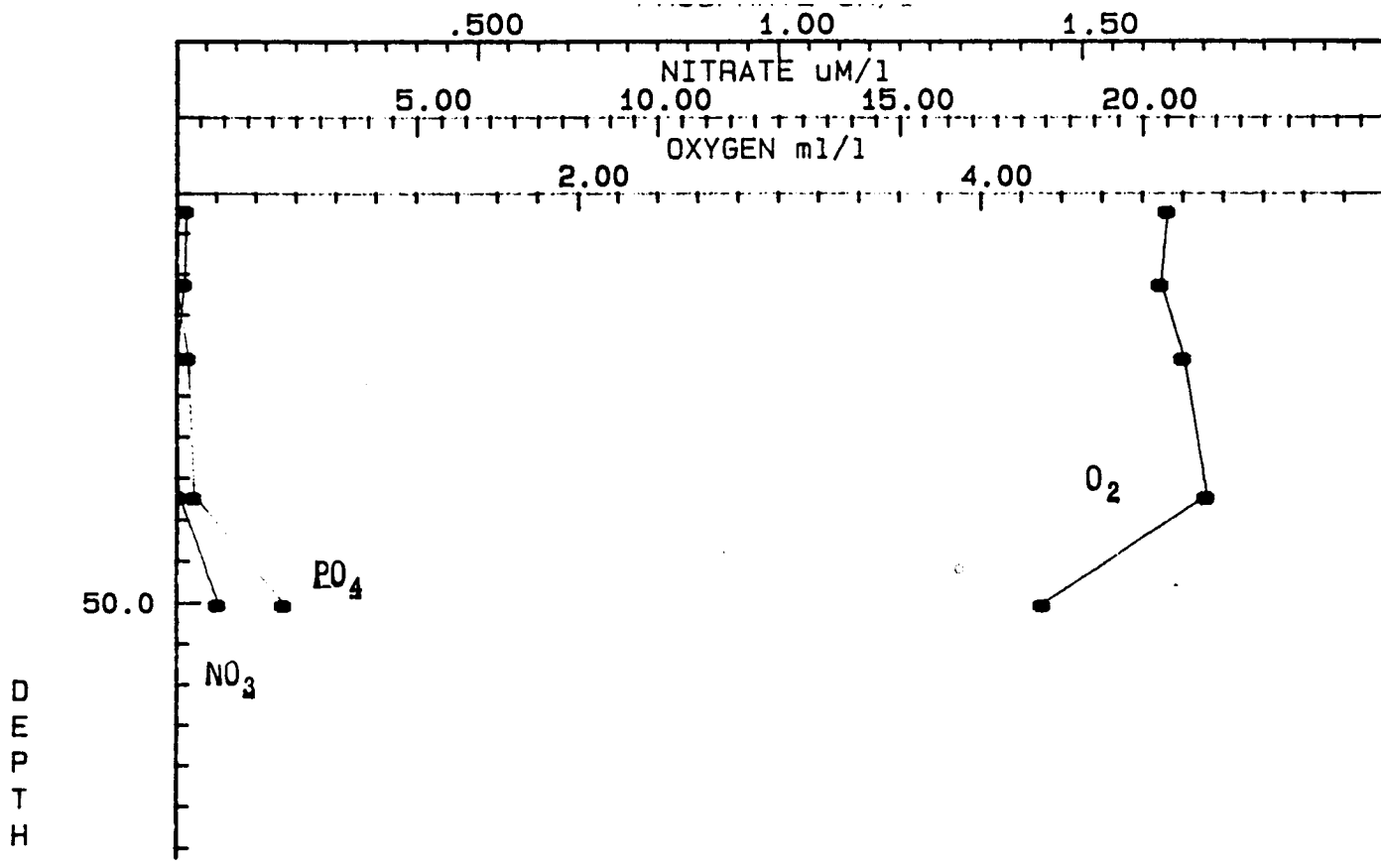
djm



CRUISE: 90G10 STATION: B90G10*30*1 DATE: 14JULY80
 LATITUDE: 28 8.0 LONGITUDE: 93 .8



CRUISE: 90610 STATION: B90610*31*1 DATE: 15JULY80
LATITUDE: 28 12.2 LONGITUDE: 93 0.0



CRUISE: 90G10 STATION: B90G10*32*1 DATE: 15JULY90
 LATITUDE: 28 18.6 LONGITUDE: 92 59.8

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10+33+1 DATE 15JULY90 GMT 0727 LATITUDE 29 24.1 LONGITUDE 92 59.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.32	.22	-----	-----	4.792	.03	.07	2.29	.04	.02	.0
17	----	28.97	.23	-----	-----	4.822	.03	.07	3.23	.17	.02	.1
32	----	25.25	.47	-----	-----	4.903	.07	.11	4.51	.42	.12	.2
46	----	22.38	.71	-----	36.252	4.271	.07	.20	7.28	.58	.54	.2

CRUISE 90G10 STATION E90G10+34+1 DATE 15JULY90 GMT 0357 LATITUDE 28 29.0 LONGITUDE 93 .2

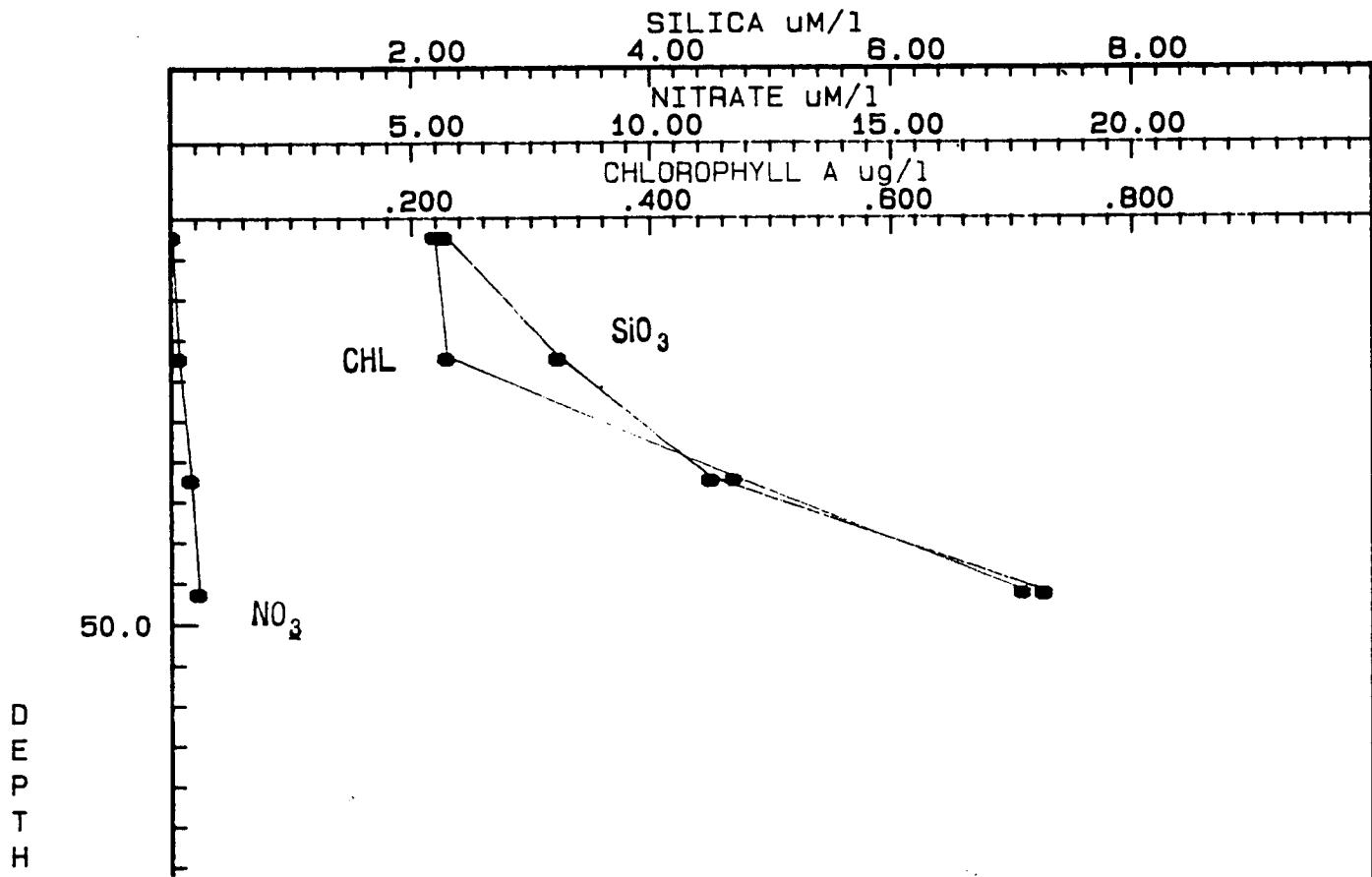
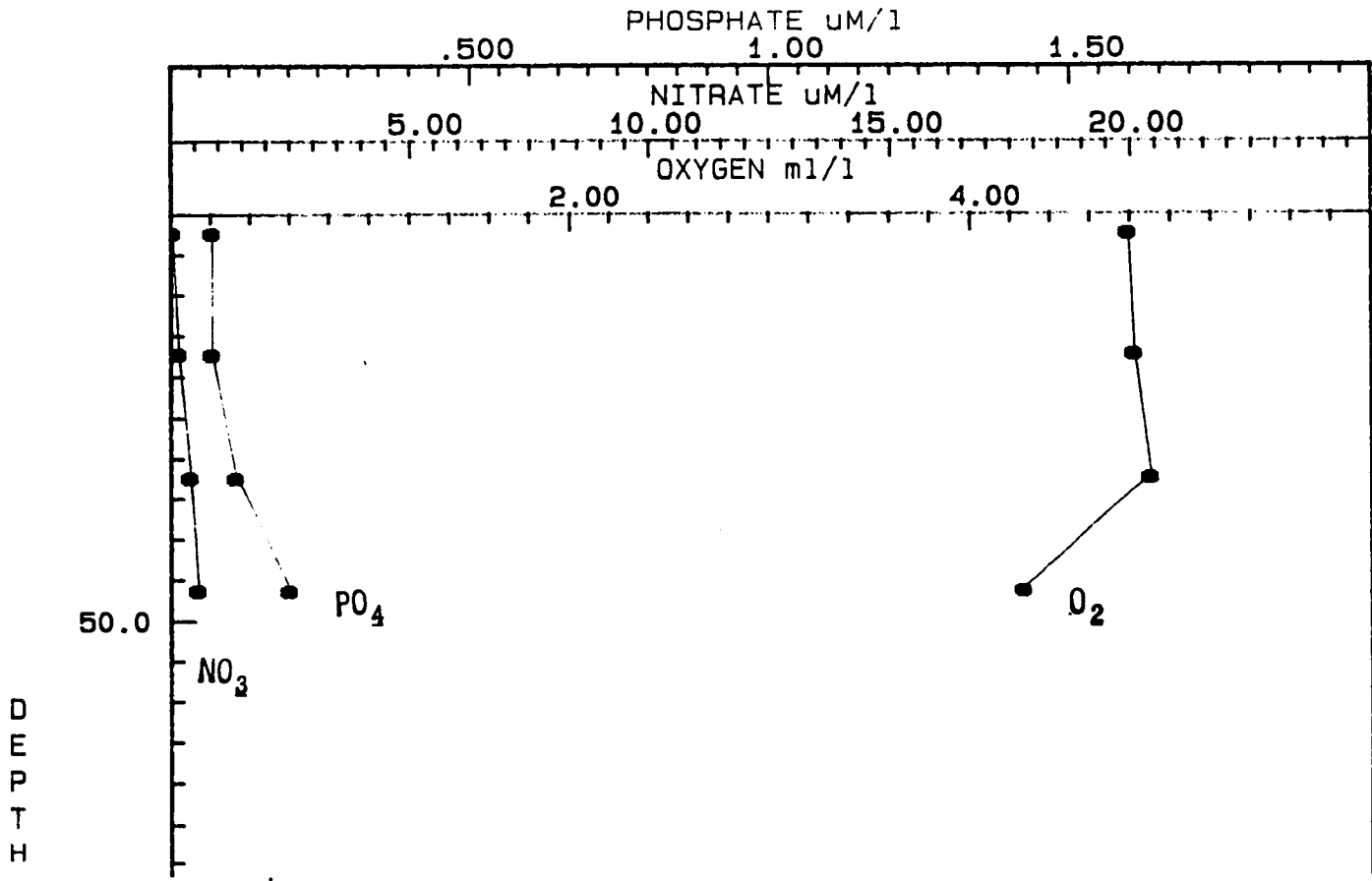
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	28.95	.22	-----	-----	4.821	.14	.06	1.69	.16	.02	.1
12	----	29.46	.21	-----	-----	4.773	.09	.08	2.54	.10	.02	.0
22	----	28.15	.29	-----	-----	4.956	.12	.05	2.93	.07	.01	.0
32	----	25.40	.40	-----	-----	4.996	.10	.06	3.70	.09	.02	.0
43	----	23.03	.68	-----	36.131	4.328	.08	.15	6.93	.27	.27	.0

CRUISE 90G10 STATION E90G10+35+1 DATE 15JULY90 GMT 0901 LATITUDE 28 35.3 LONGITUDE 92 50.0

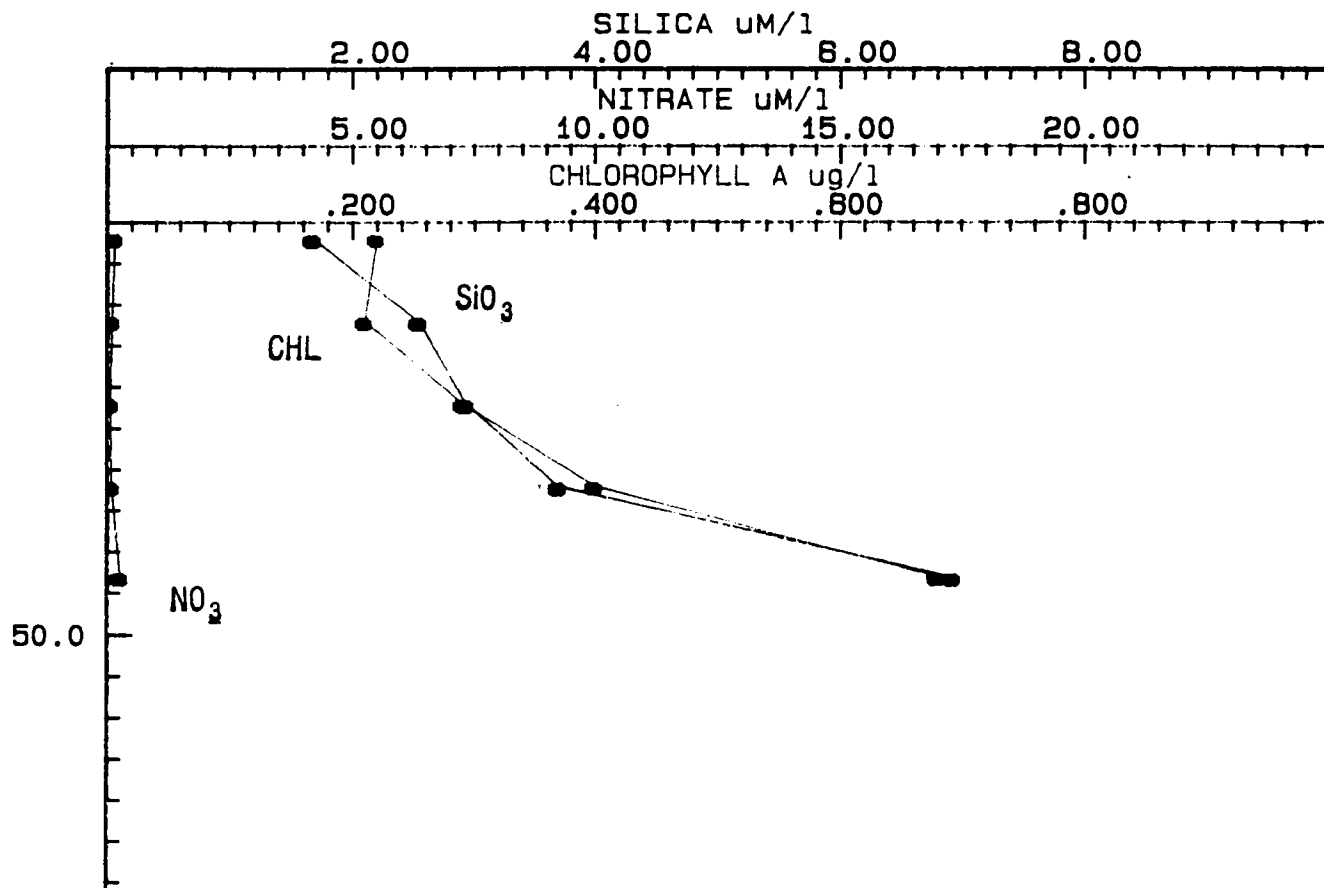
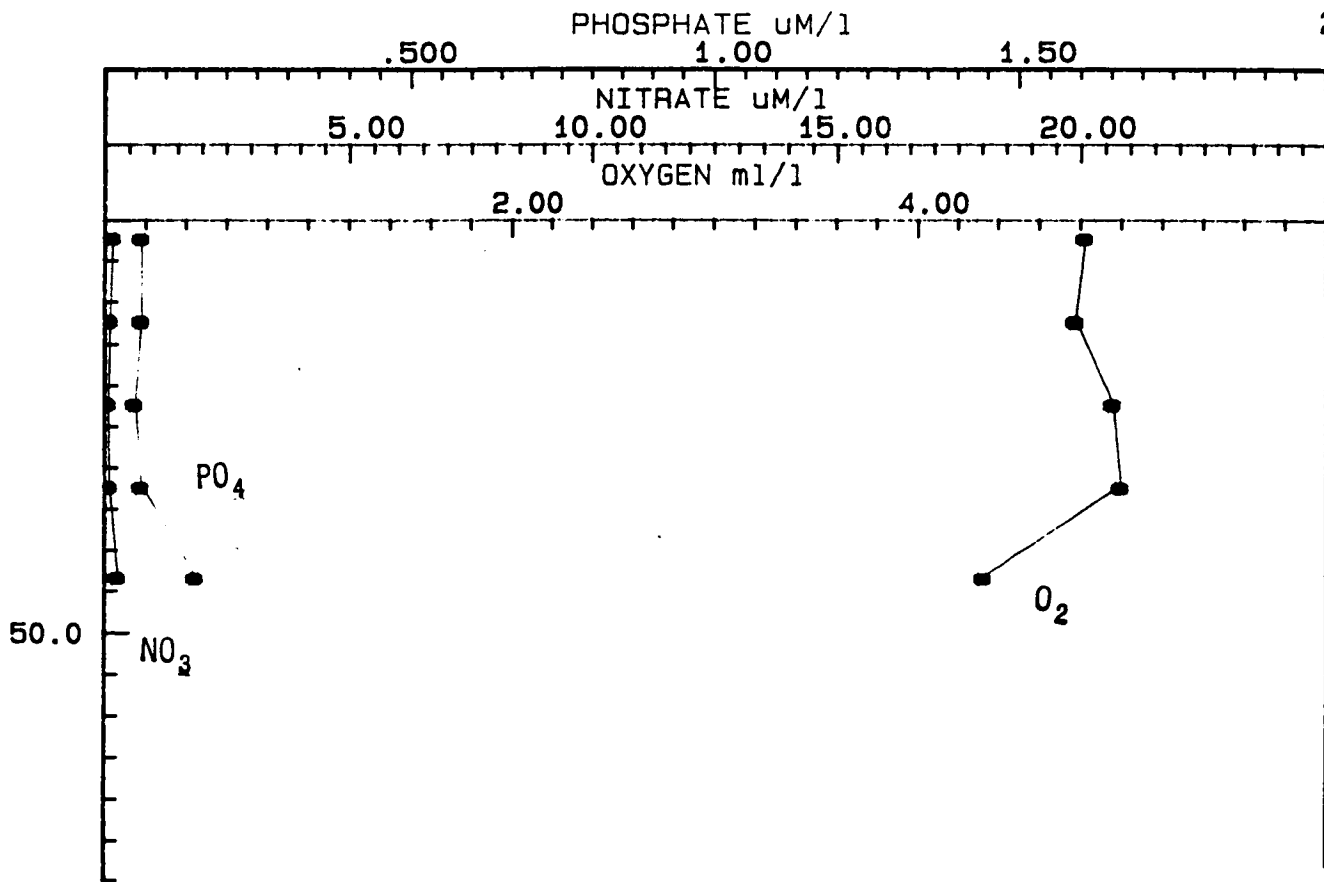
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.27	.56	-----	27.615	4.544	.12	.07	2.54	.18	.06	.1
7	----	29.36	.60	-----	32.126	3.952	.24	.09	4.73	.18	.05	.5
17	----	29.63	.58	-----	32.047	4.031	.09	.06	2.40	.24	.04	.2
31	----	24.39	.45	-----	35.930	4.245	.31	.13	5.97	.50	.04	.5

CRUISE 90G10 STATION B90G10+36+1 DATE 15JULY90 GMT 0855 LATITUDE 28 42.1 LONGITUDE 92 50.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	UPE um/l
2	----	29.92	.61	-----	28.777	4.752	.23	.09	2.19	0.00	.04	.3
12	----	30.06	.32	-----	33.080	3.566	.47	.14	7.51	.29	.51	.1
22	----	27.59	.58	-----	35.569	3.568	.79	.17	7.32	.38	.22	.1
29	----	24.25	.64	-----	35.587	3.658	.73	.18	8.44	.31	.24	.2



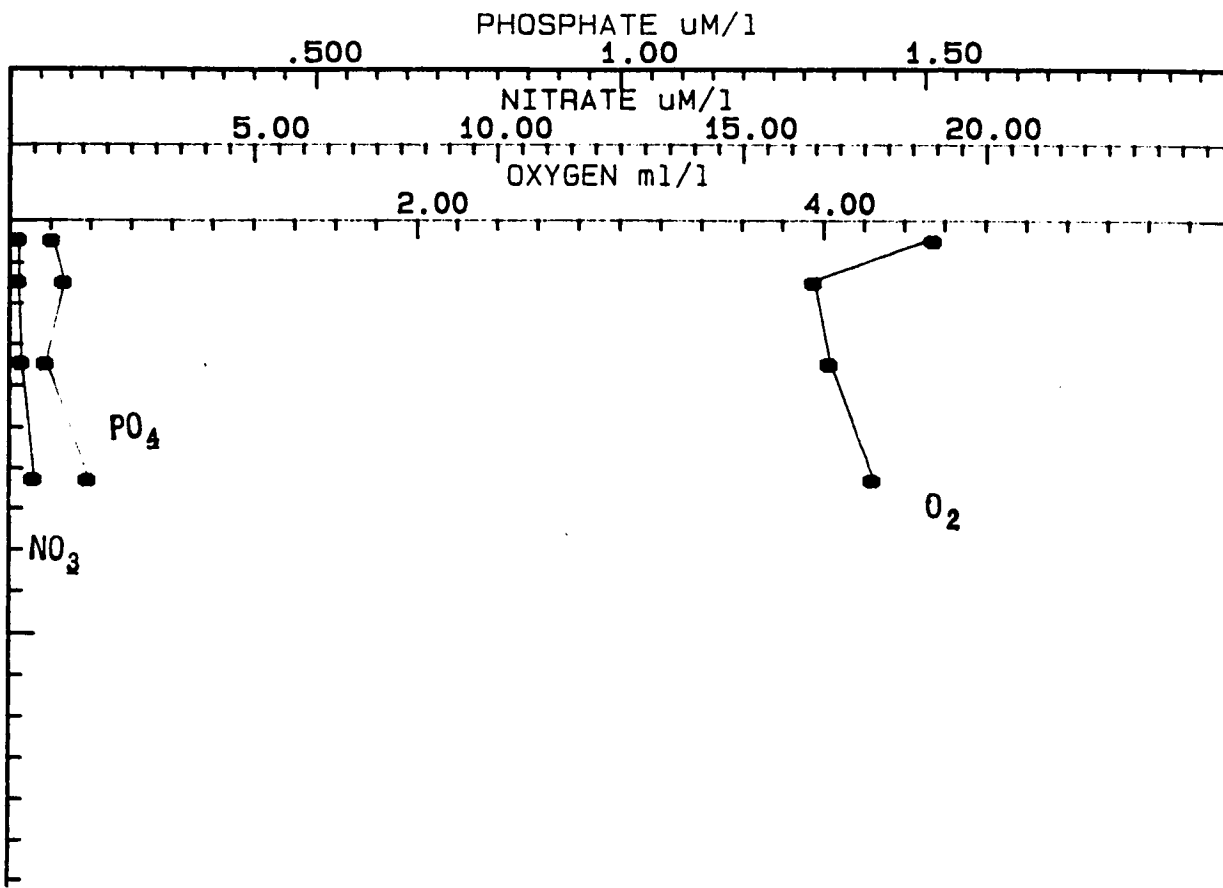
CRUISE: 90G10 STATION: B90G10*33*1 DATE: 15JULY80
LATITUDE: 28 24 4 LONGITUDE: 02 50 0



CRUISE: 90G10 STATION: B90G10*34*1 DATE: 15JULY90
 LATITUDE: 28 29.2 LONGITUDE: 93 .2

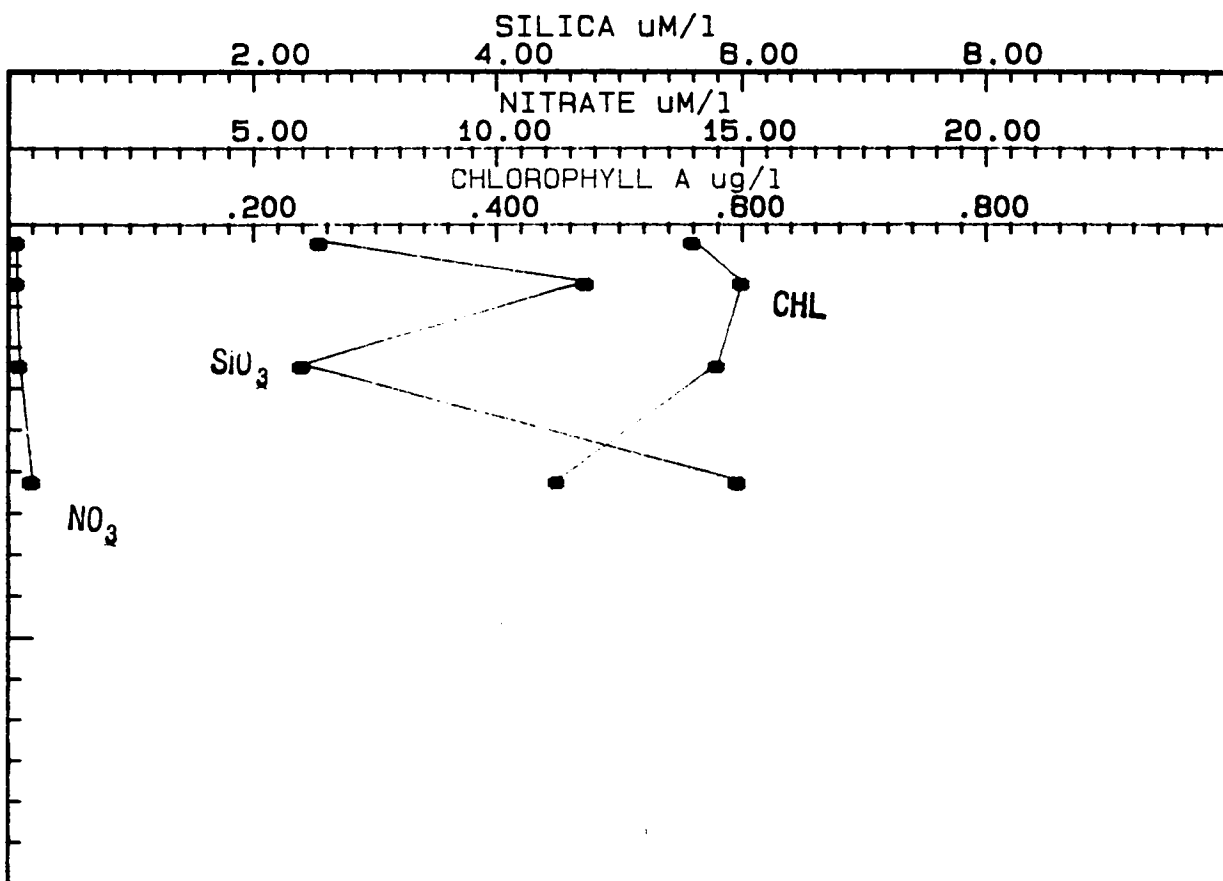
DEPTH

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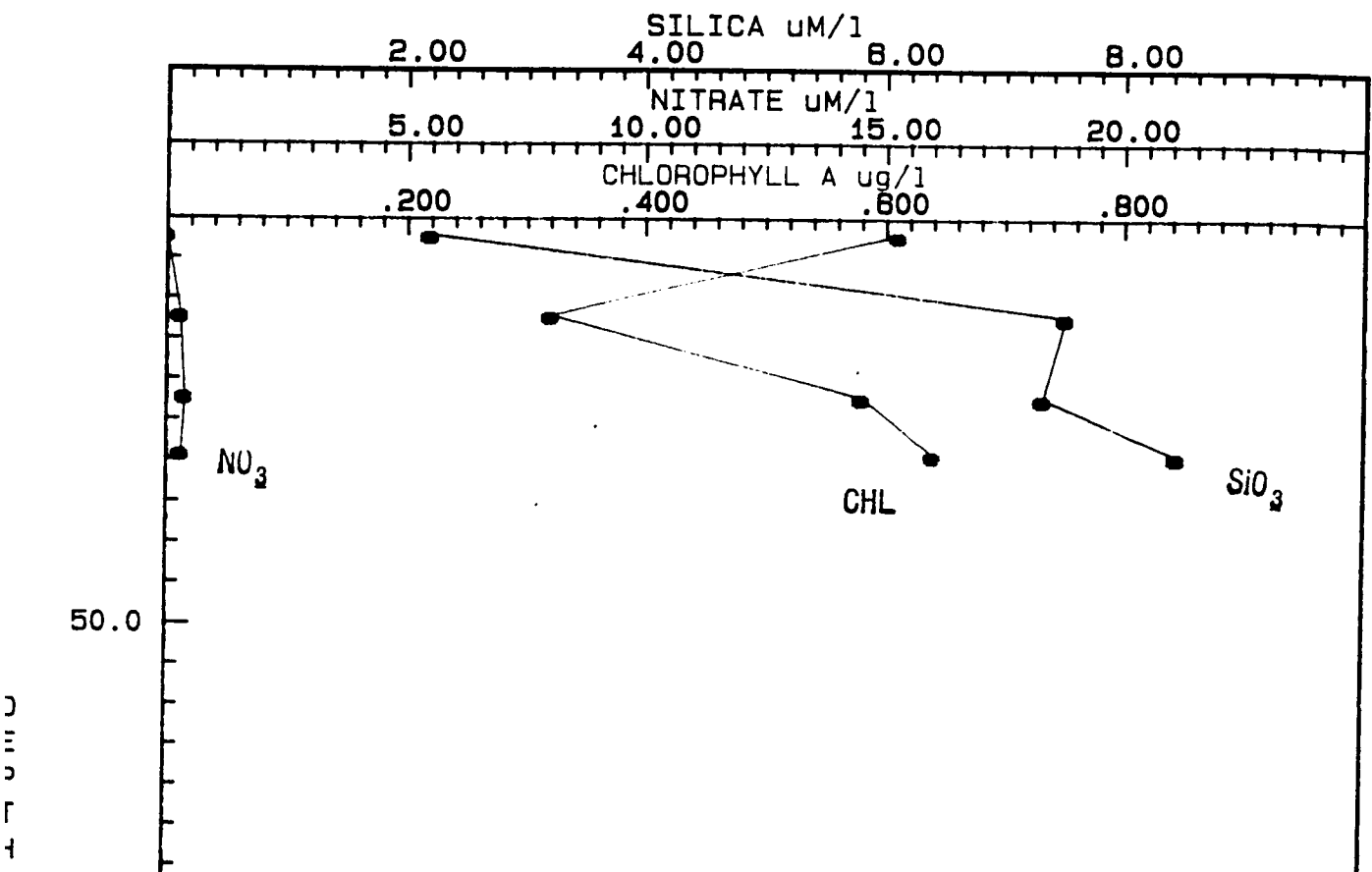
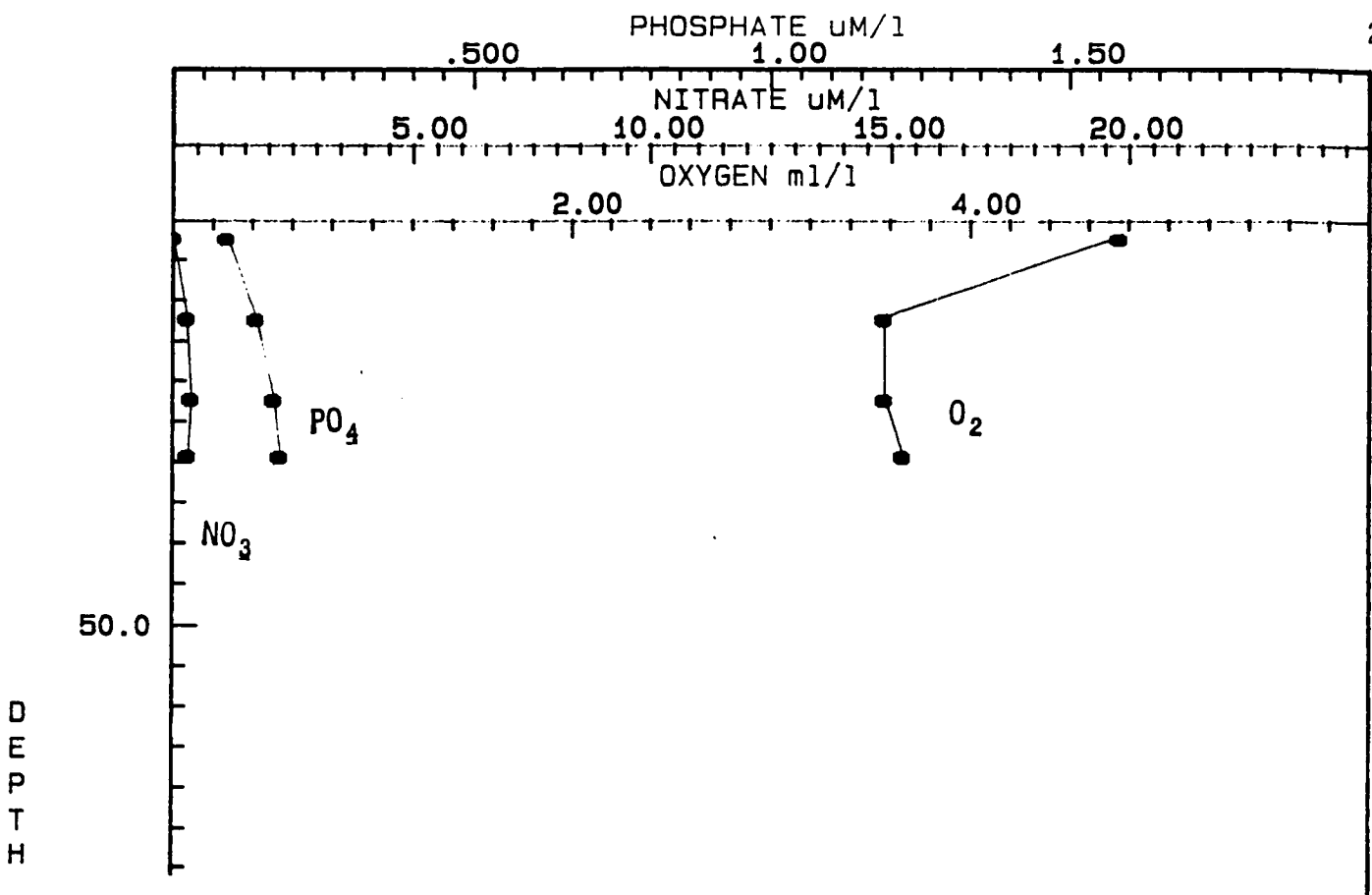


DEPTH

50.0



CRUISE: 90G10 STATION: B90G10*35*1 DATE: 15JULY90
 LATITUDE: 28 35.8 LONGITUDE: 82 80.0



CRUISE: 80G10 STATION: B80G10*38*1 DATE: 15JULY80
 LATITUDE: 28 42.1 LONGITUDE: 92 80.0

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10+37+1 DATE 19JULY90 GMT 0940 LATITUDE 28 47.3 LONGITUDE 93 59.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.51	.24	-----	27.823	4.666	.14	.06	1.93	.31	.03	.2
6	----	29.35	.29	-----	29.282	4.641	.12	.06	2.08	.12	.04	.2
11	----	29.75	.52	-----	32.563	3.711	.30	.12	6.89	.32	.64	.2
22	----	27.41	.55	-----	34.685	3.705	.54	.14	6.31	.29	.38	.4

CRUISE 90G10 STATION B90G10+38+1 DATE 19JULY90 GMT 1028 LATITUDE 28 53.8 LONGITUDE 92 59.9

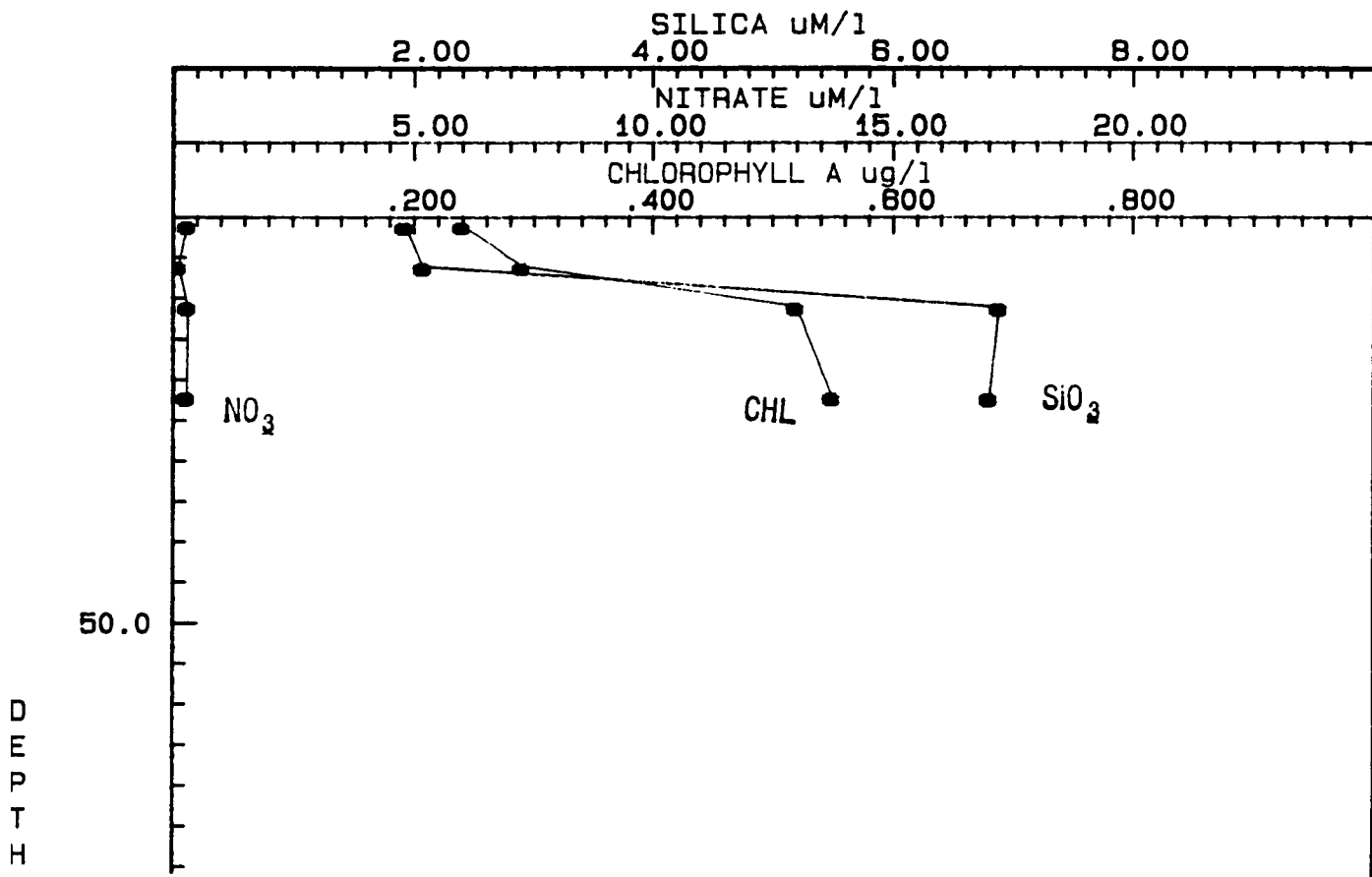
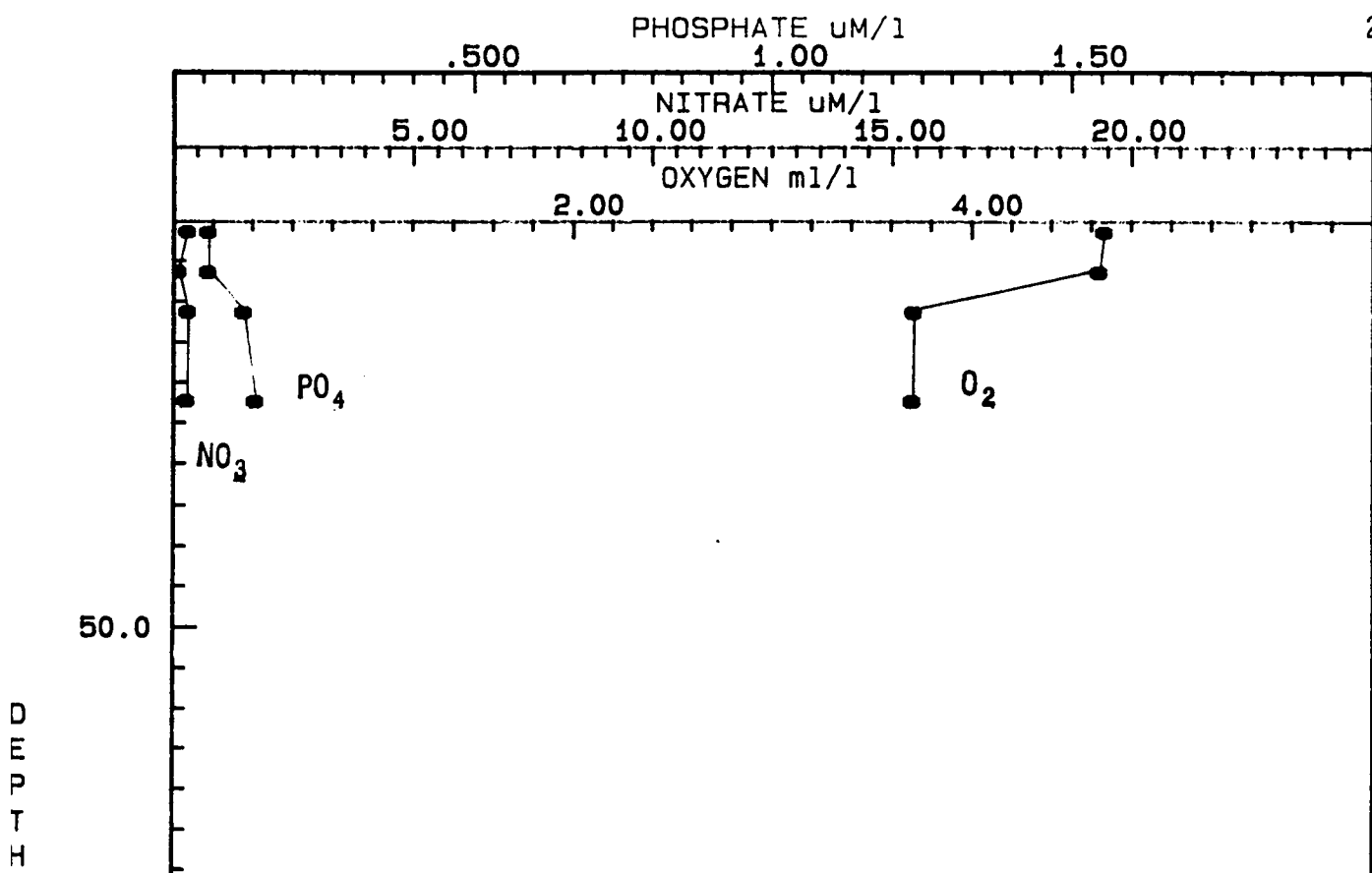
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.18	.31	-----	27.610	4.692	.17	.04	1.55	.14	.01	.2
7	----	29.71	.53	-----	29.170	4.604	.14	.03	2.00	.15	.01	.1
12	----	29.90	.52	-----	30.617	3.874	.20	.04	4.22	.05	.19	.2
17	----	28.75	.68	-----	31.927	3.236	.24	.07	6.06	.23	.40	.2

CRUISE 90G10 STATION B90G10+39+1 DATE 19JULY90 GMT 1117 LATITUDE 29 59.6 LONGITUDE 92 59.9

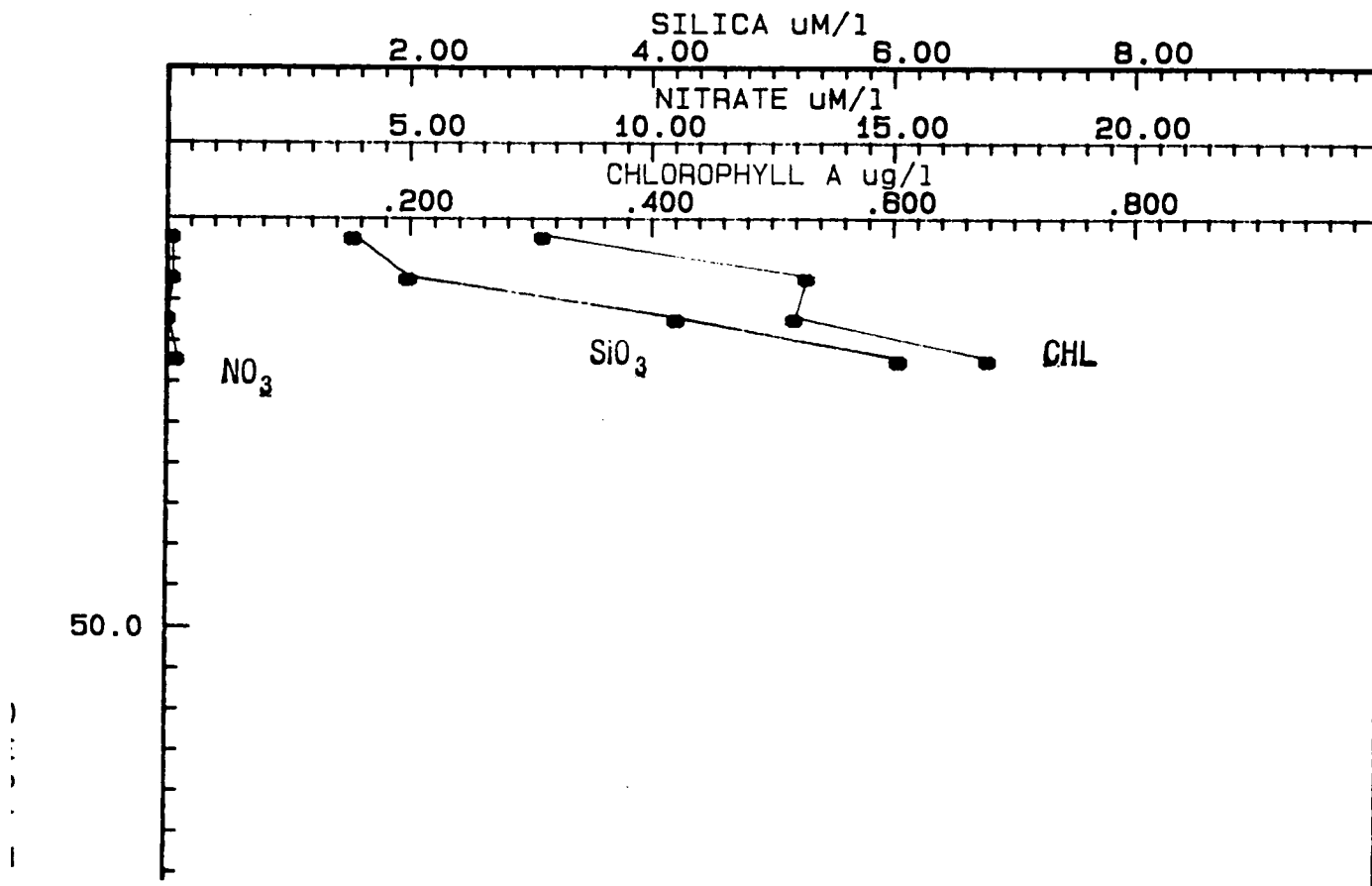
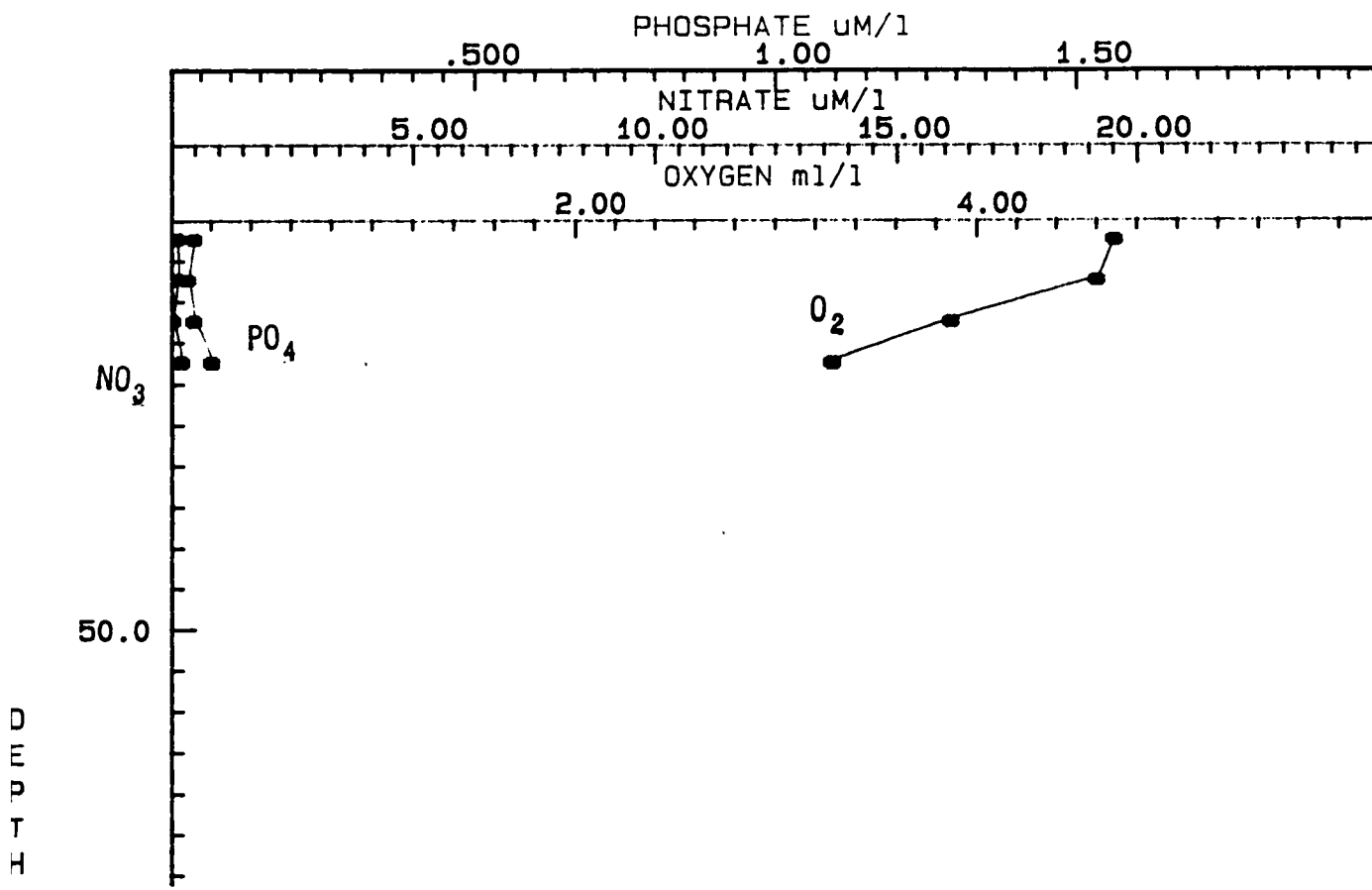
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.07	.31	-----	27.192	4.705	.14	.04	1.91	.31	.02	.2
7	----	29.44	.37	-----	30.462	4.303	.22	.12	4.15	.28	.09	.3
12	----	29.81	.46	-----	31.383	3.792	.31	.14	4.91	.16	.07	.3
19	----	27.54	.55	-----	32.864	3.046	.43	.18	11.70	.57	.49	.3

CRUISE 90G10 STATION B90G10+40+1 DATE 19JULY90 GMT 1200 LATITUDE 29 5.8 LONGITUDE 92 59.9

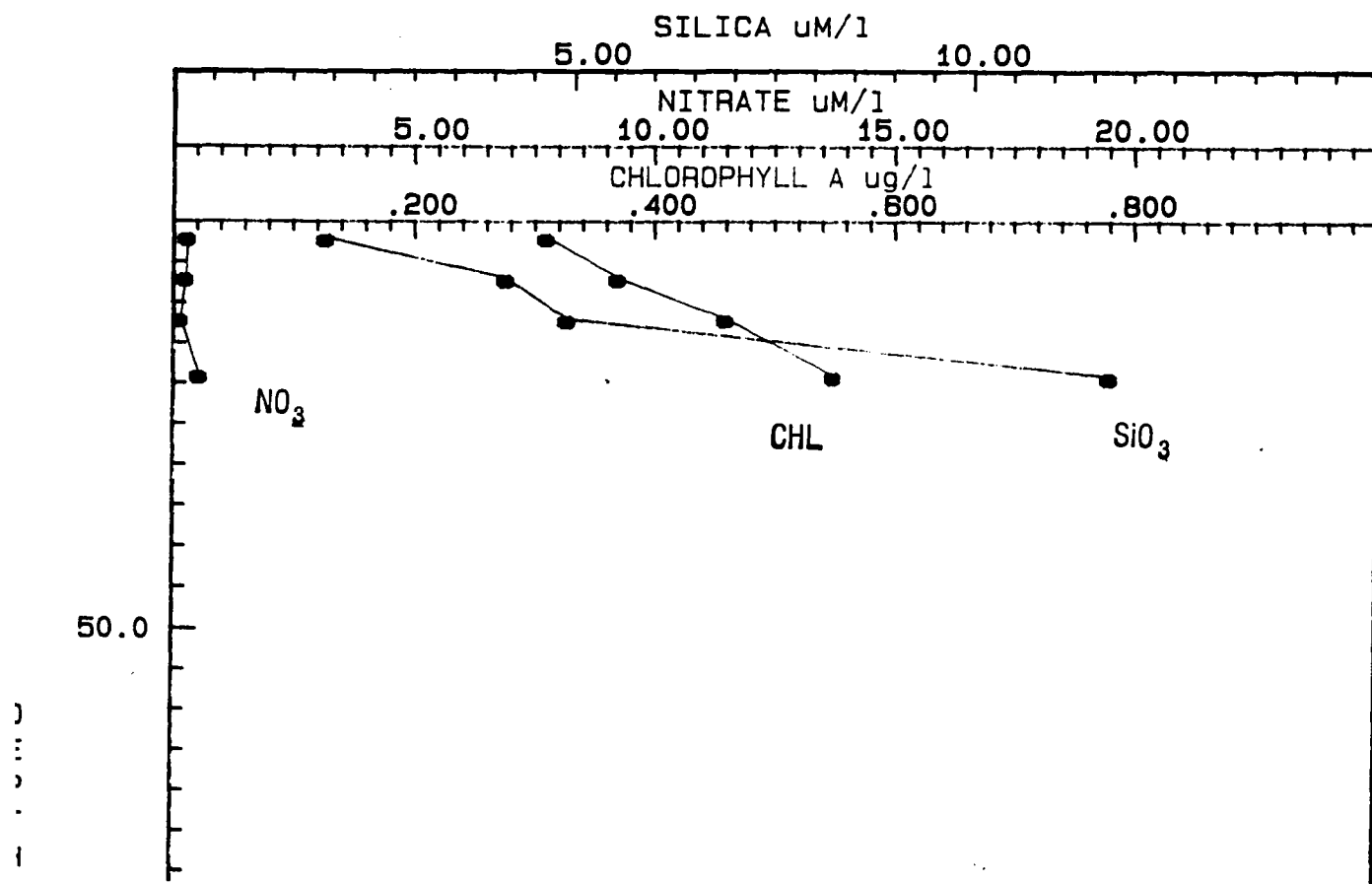
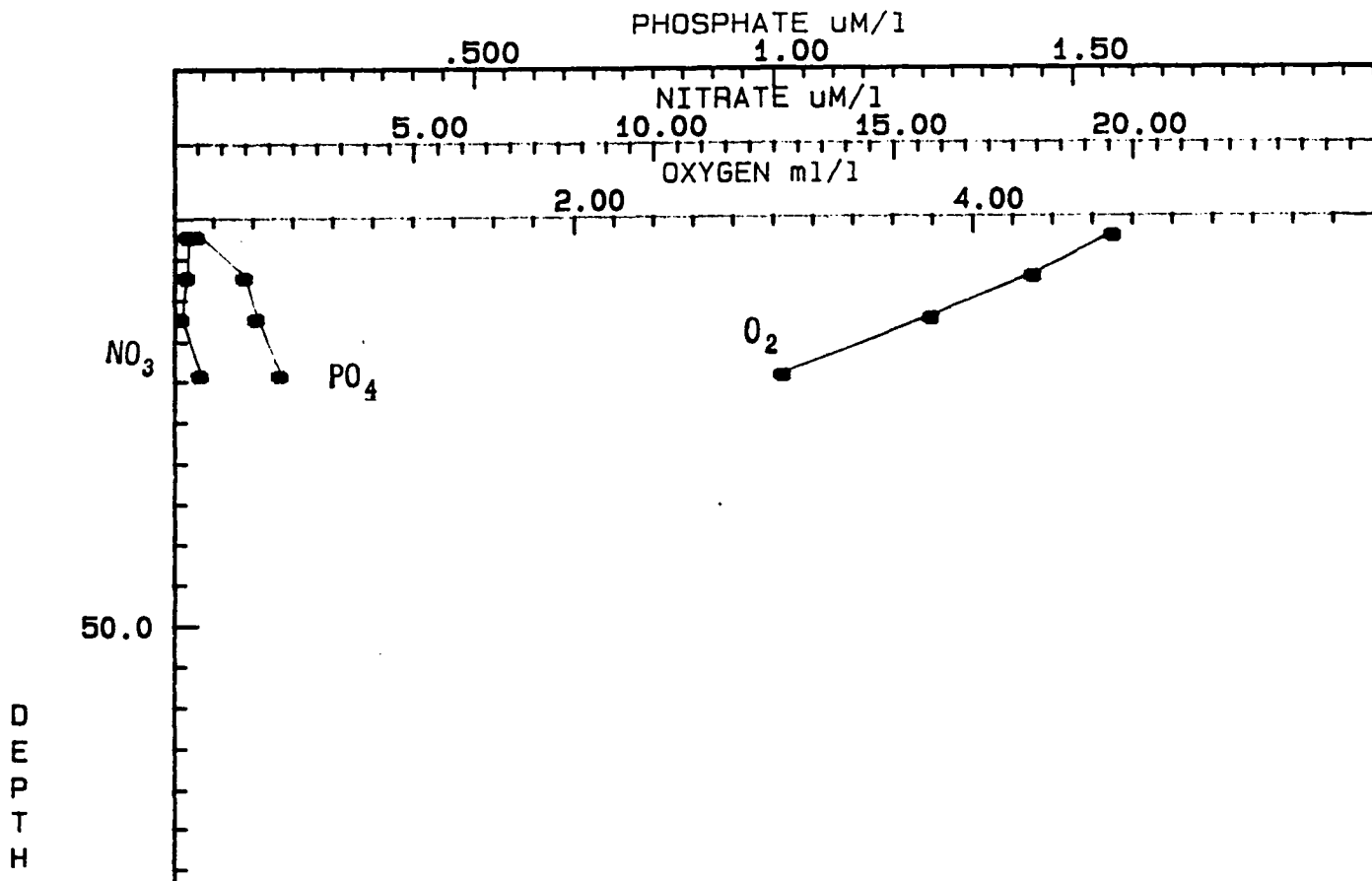
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.18	.27	-----	27.019	4.699	.45	.07	2.05	.21	.03	.3
7	----	29.92	.38	-----	30.432	4.212	1.04	.12	3.93	.22	.06	.3
12	----	29.85	.45	-----	30.432	3.475	.87	.15	7.16	.57	.18	.2
16	----	27.95	.52	-----	33.451	3.063	1.09	.13	10.40	.57	.39	1.1

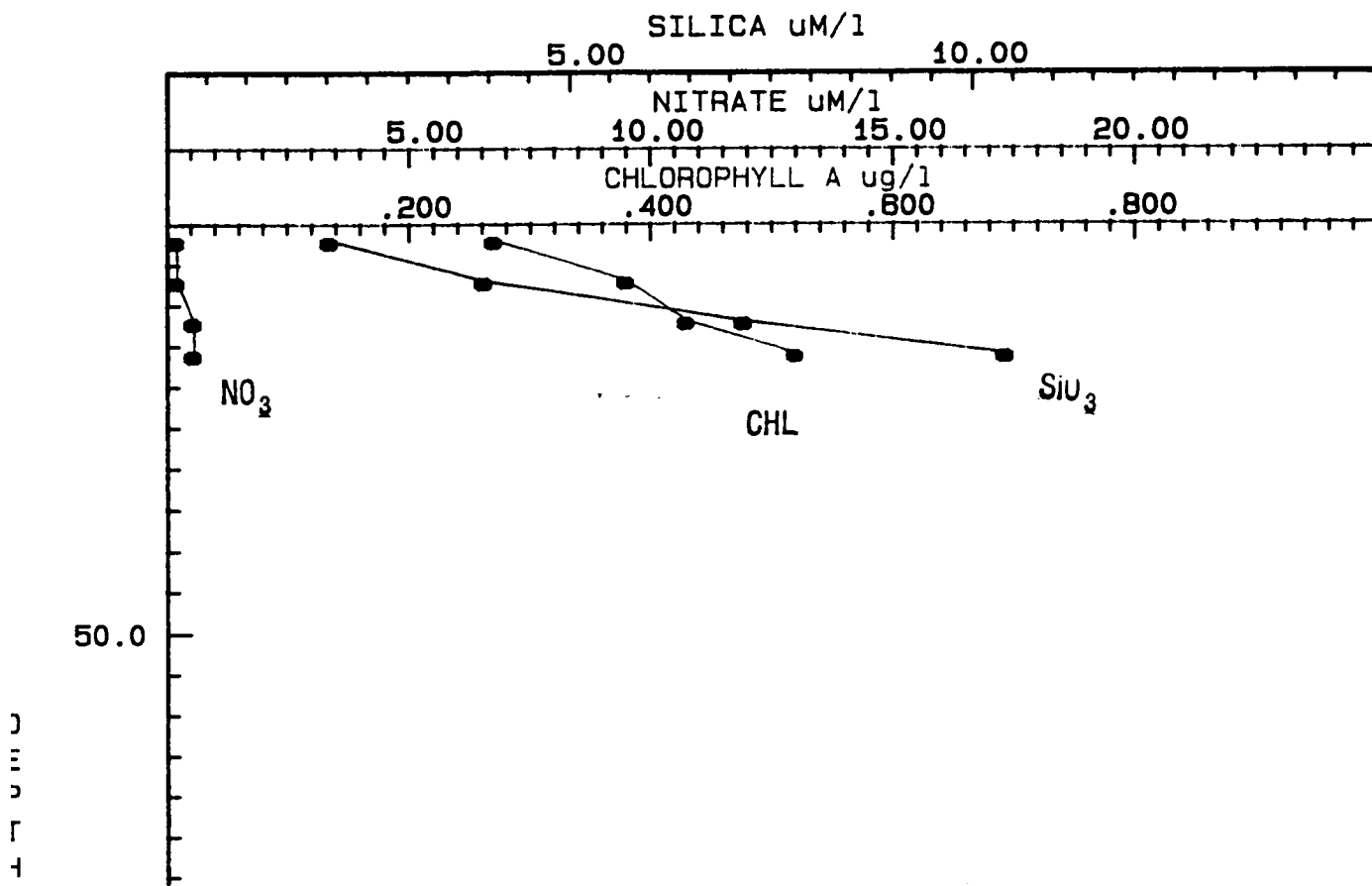
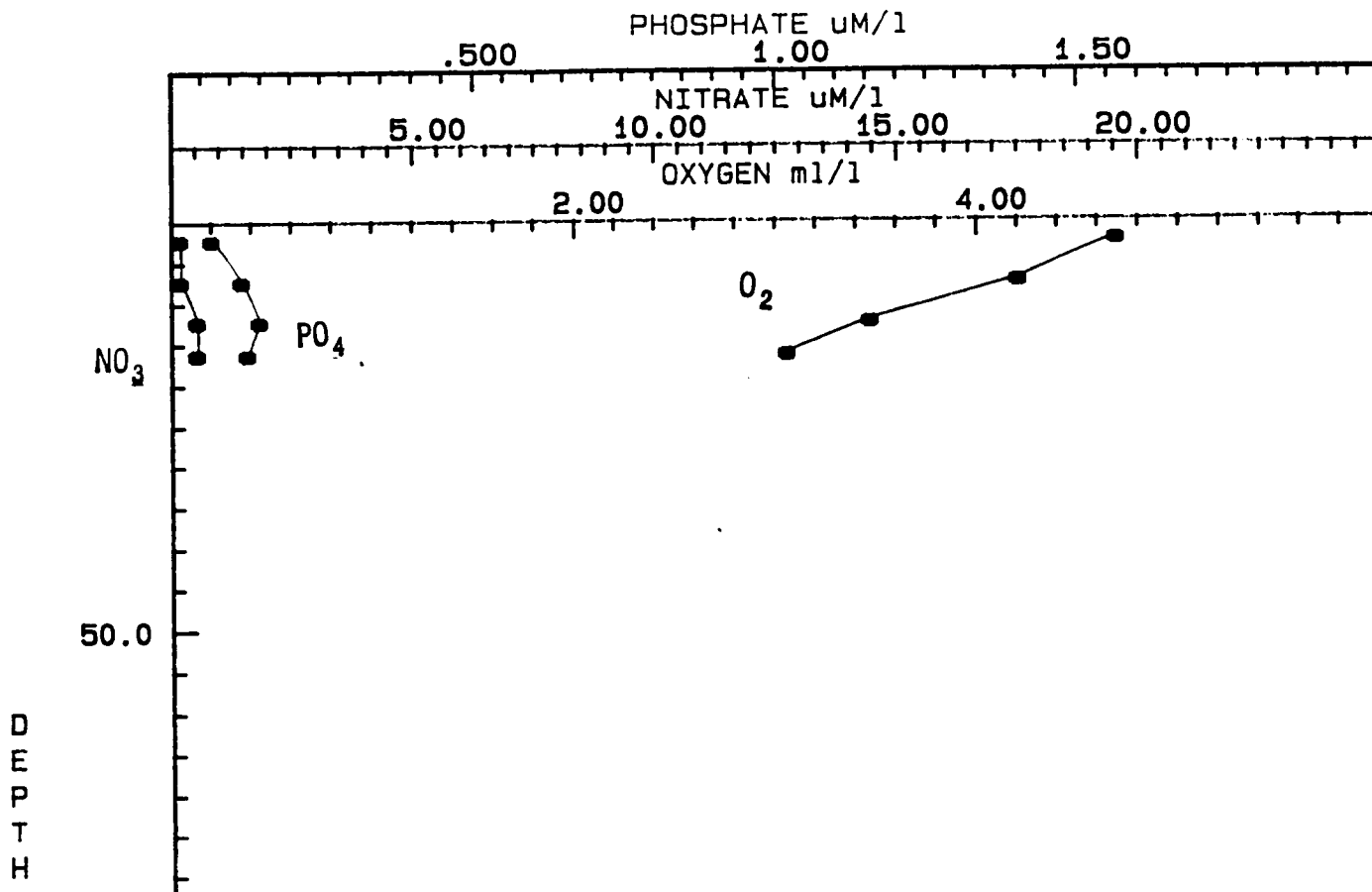


CRUISE: 90G10 STATION: B90G10*37*1 DATE: 15JULY90
 LATITUDE: 28 47.8 LONGITUDE: 93 59.9



CRUISE: 90G10 STATION: B90G10*38*1 DATE: 15JULY90
 LATITUDE: 28 53.9 LONGITUDE: 92 59.9





CRUISE: 90G10 STATION: B90G10*40*1 DATE: 15JULY80
 LATITUDE: 29 58 LONGITUDE: 92 59 9

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*41*1 DATE 15JUL90 GMT 1611 LATITUDE 29 13.0 LONGITUDE 93 0.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.06	-----	-----	26.081	4.688	.17	.07	2.21	.27	.02	.1
6	----	29.20	-----	-----	29.943	3.684	.58	.15	9.12	.51	.04	1.6
14	----	27.34	-----	-----	31.522	2.967	.73	.26	15.20	1.11	.11	1.1

CRUISE 90G10 STATION B90G10*42*1 DATE 15JUL90 GMT 1656 LATITUDE 29 13.8 LONGITUDE 93 0.2

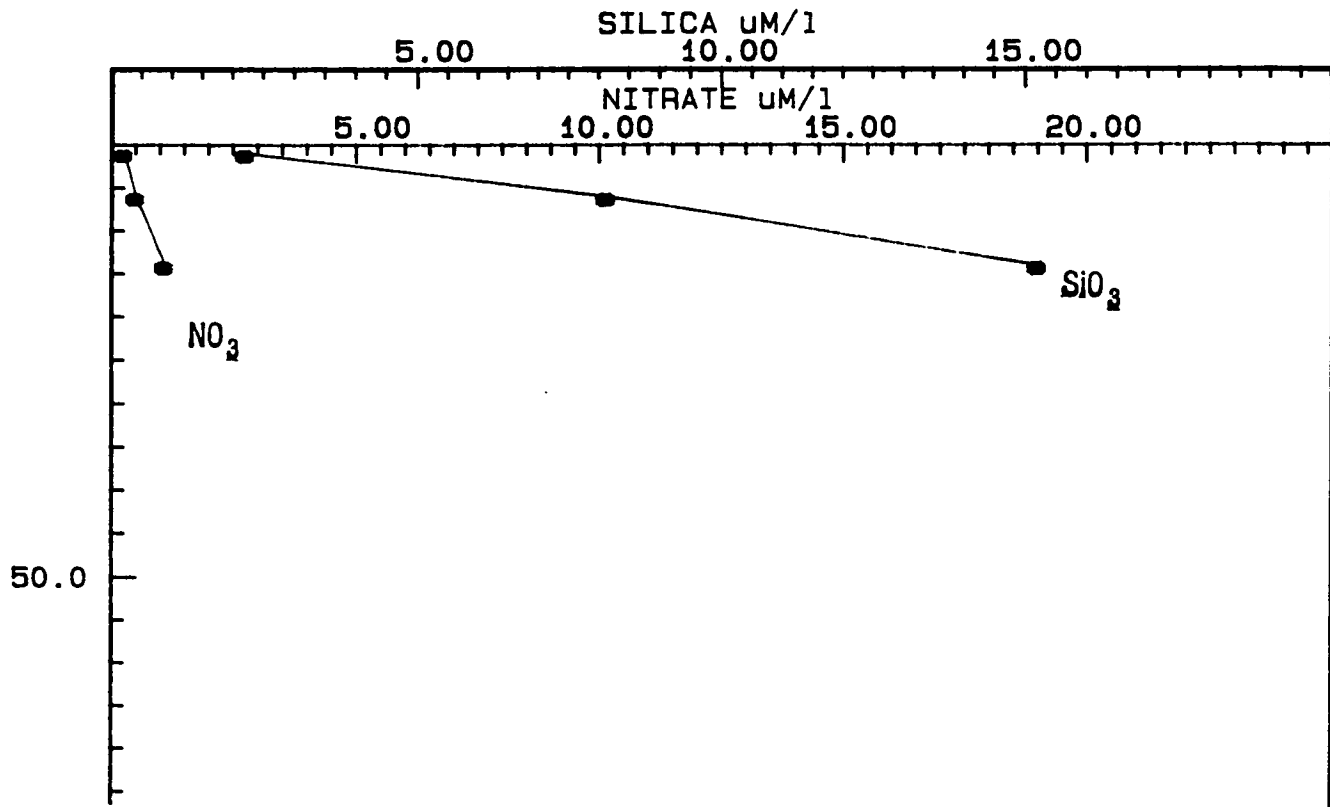
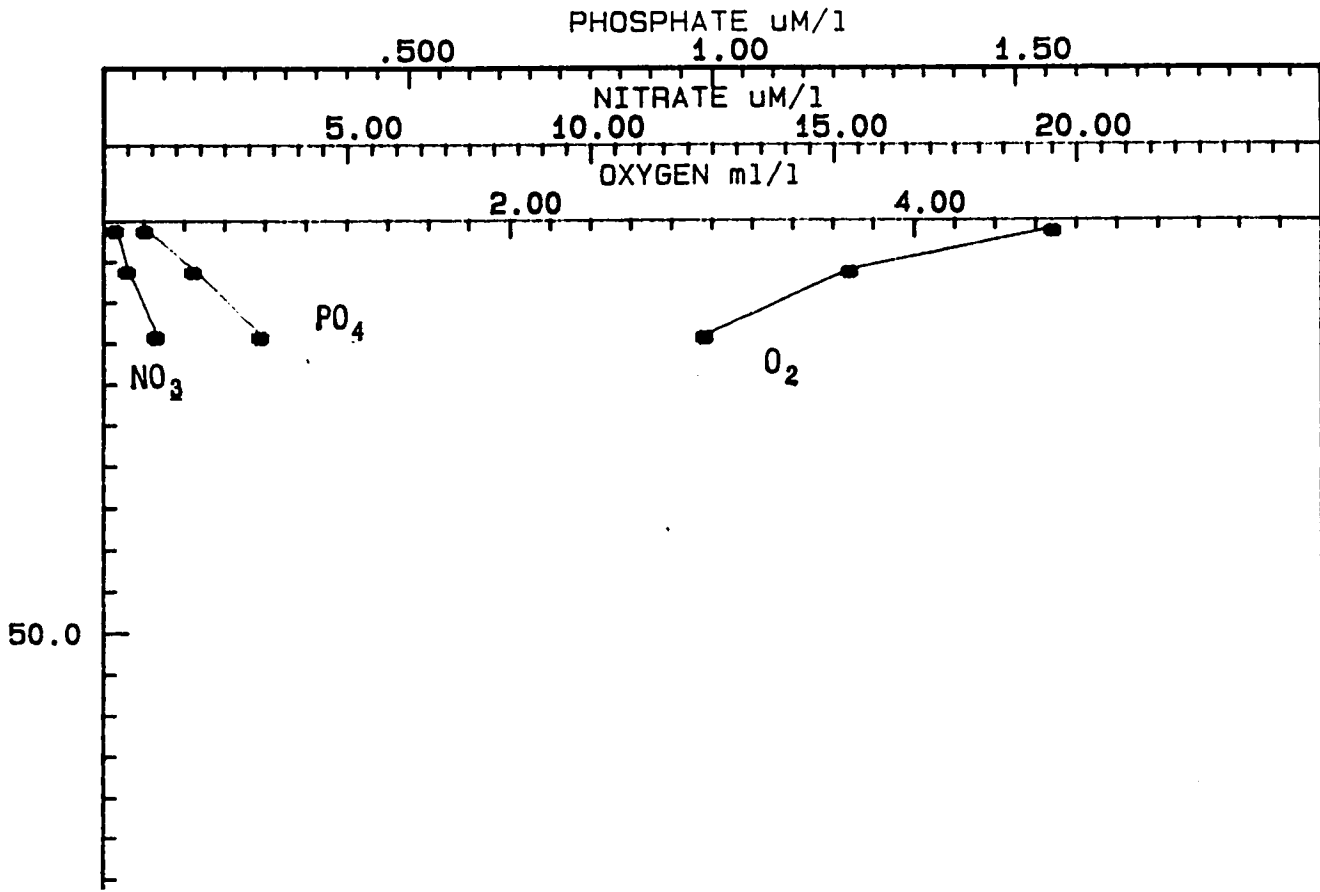
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.95	.47	-----	27.108	4.689	.08	.23	2.53	.13	0.00	.2
7	----	29.66	.55	-----	29.334	4.336	.05	.11	4.49	.21	.01	.1
13	----	29.71	.61	-----	29.819	3.908	.15	.19	9.93	.27	.05	.3

CRUISE 90G10 STATION B90G10*43*1 DATE 15JUL90 GMT 1740 LATITUDE 29 04.7 LONGITUDE 92 59.9

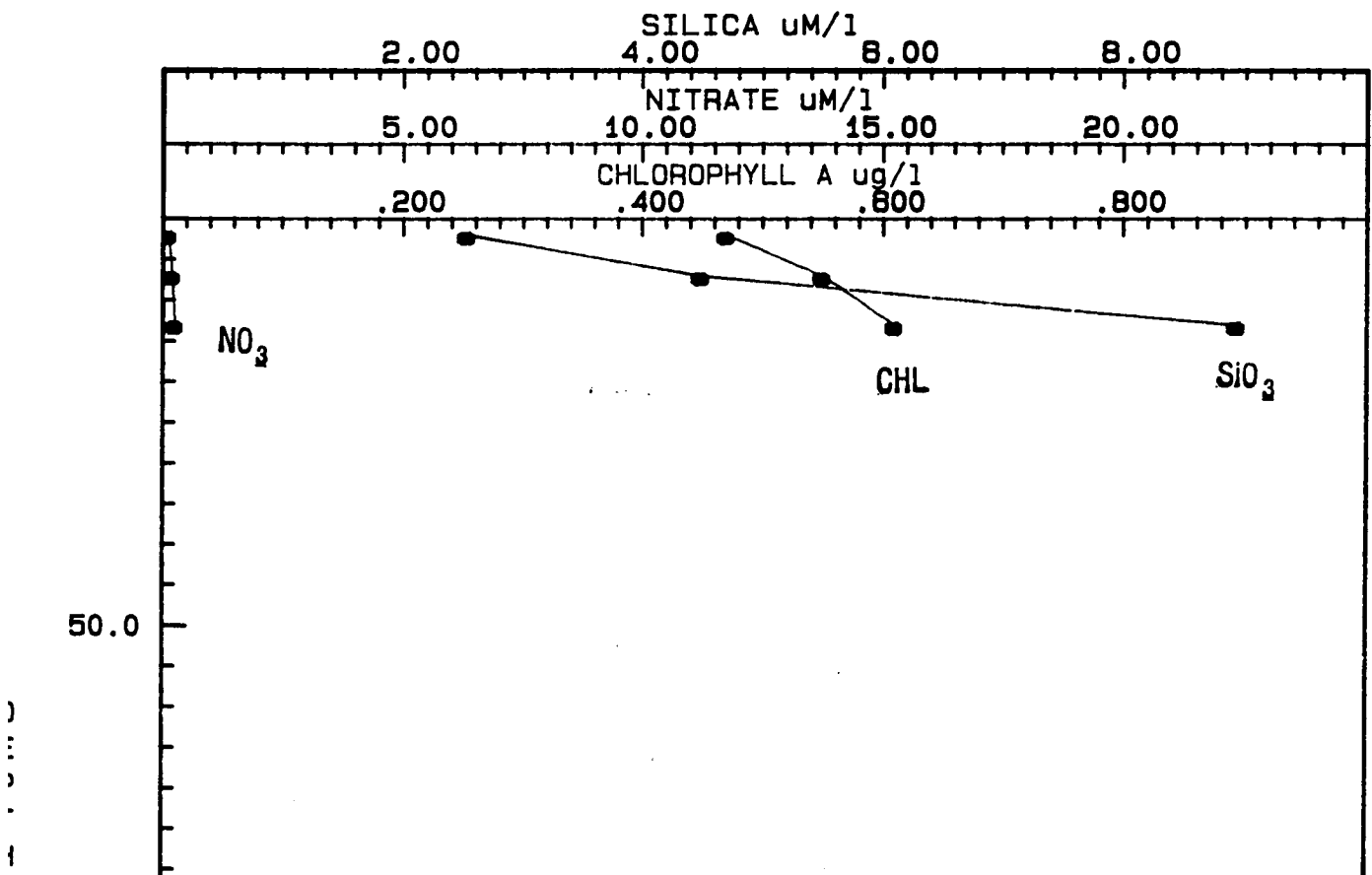
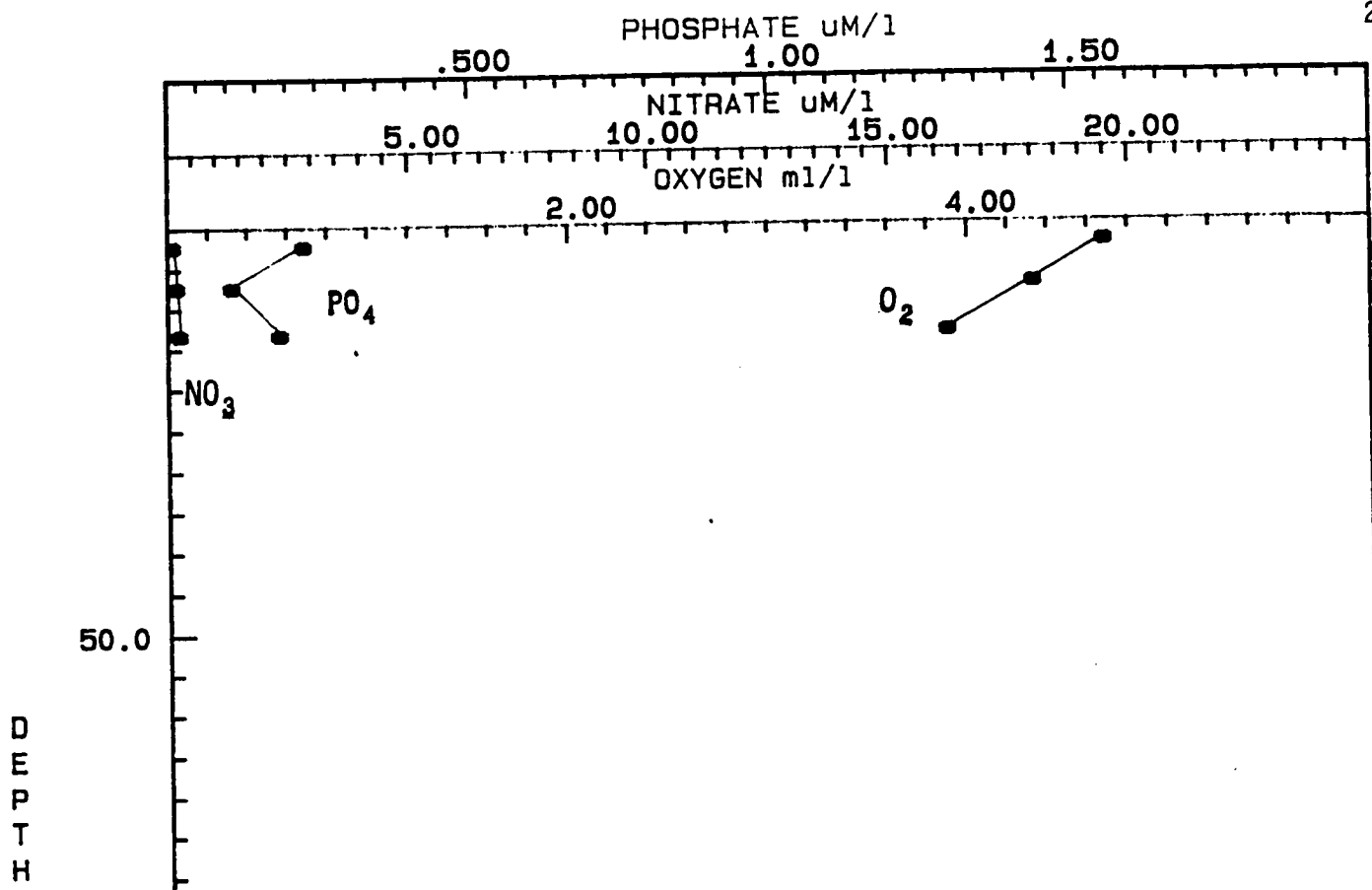
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.10	-----	-----	24.482	4.656	.11	.09	4.87	.37	.02	.2
8	----	30.42	-----	-----	29.662	3.932	.34	.20	8.57	.33	.23	.2
15	----	28.70	-----	-----	30.634	2.706	.60	.35	22.10	.64	.90	.2

CRUISE 90G10 STATION B90G10*44*1 DATE 15JUL90 GMT 1820 LATITUDE 29 29.6 LONGITUDE 92 59.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.34	.47	-----	24.267	4.395	.16	.15	9.72	.55	.27	.1
8	----	30.11	.55	-----	27.932	1.950	.41	.49	25.00	1.15	2.17	.3
12	----	28.79	.61	-----	29.793	2.037	.16	.53	30.60	1.14	2.68	.3

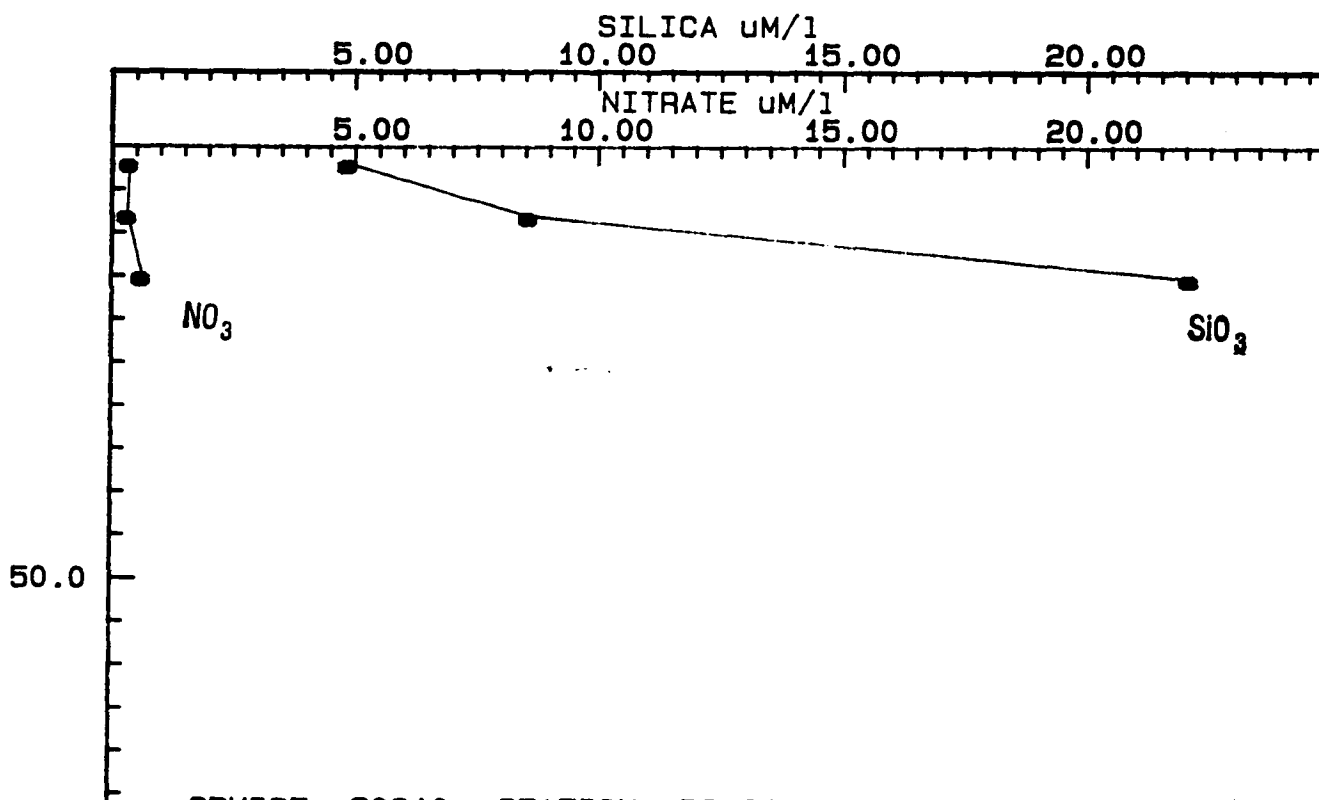
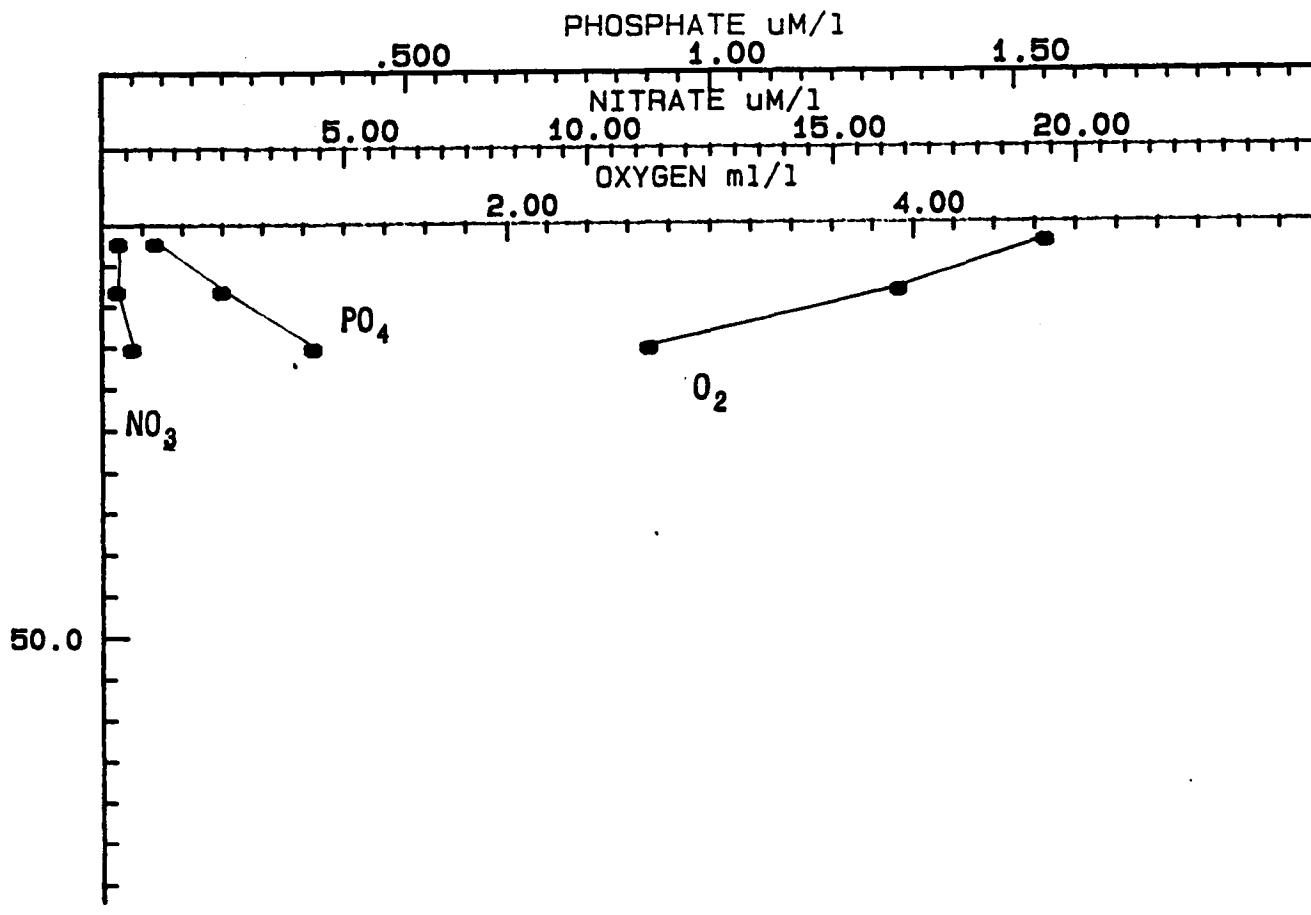


CRUISE: 90G10 STATION: B90G10*41*1 DATE: 15JUL90
LATITUDE: 29 13.0 LONGITUDE: 93 0.0



CRUISE: 90G10 STATION: B90G10*42*1 DATE: 15JUL90
 LATITUDE: 38 48 N LONGITUDE: 122 00 W

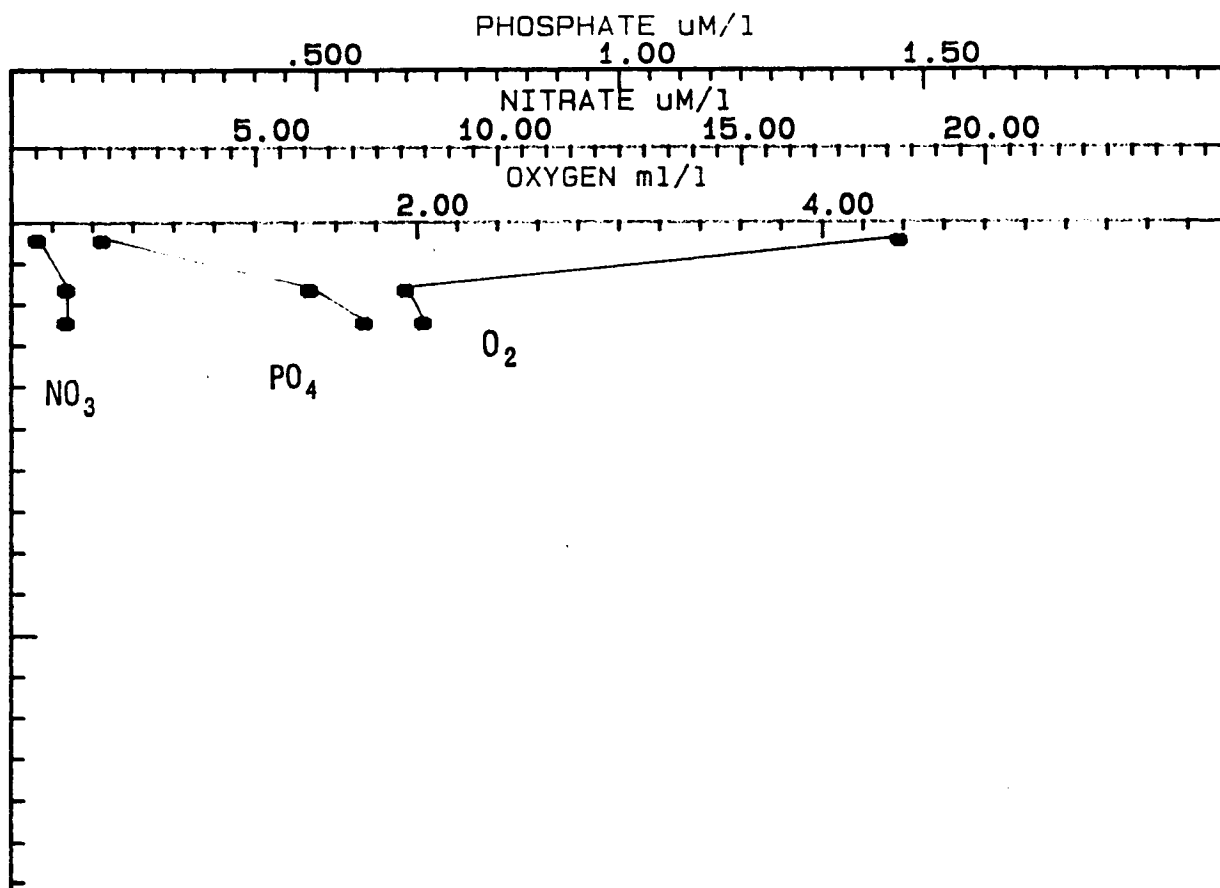
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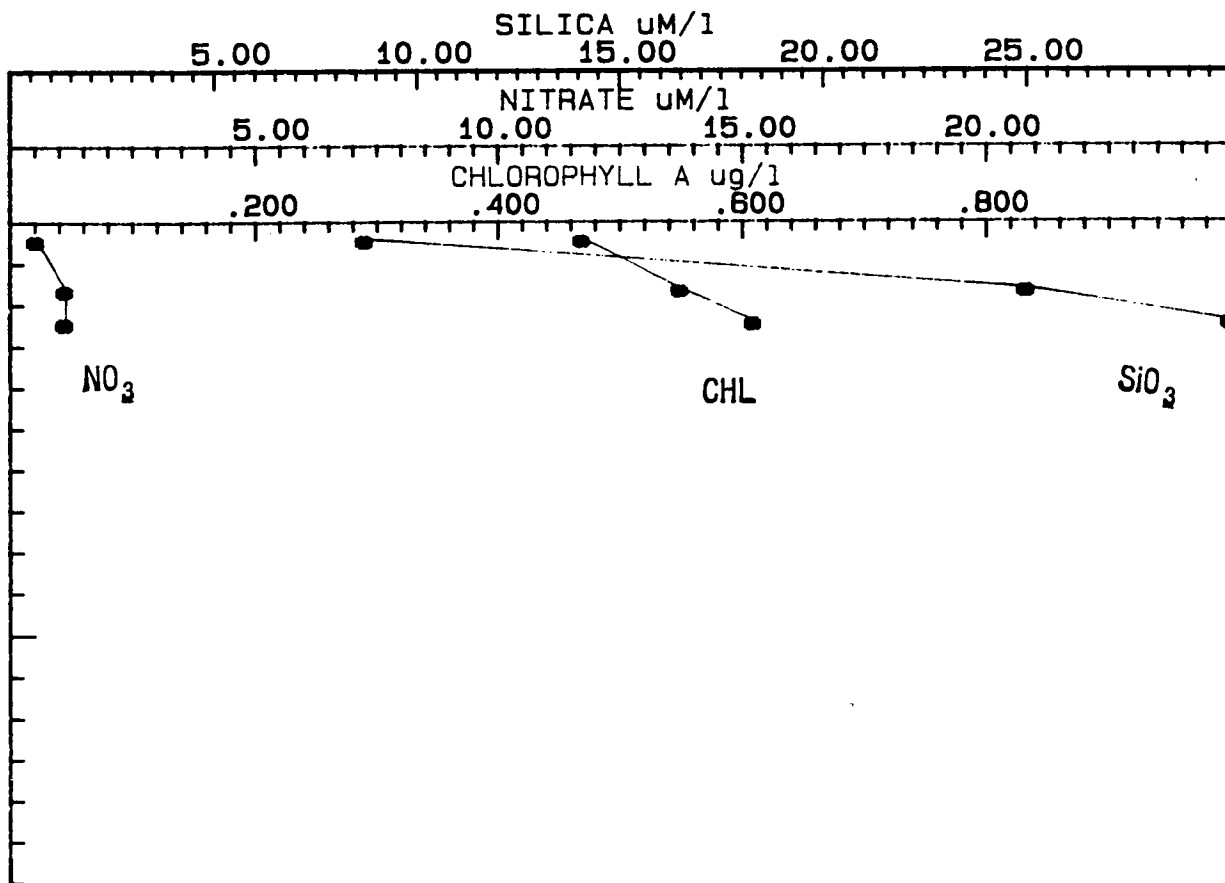
CRUISE: 80610 STATION: B90610*43*1 DATE: 15JUL80
 LATITUDE: 29 24.7 LONGITUDE: 92 59.8

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CRUISE: 90G10 STATION: B90G10*44*1 DATE: 15JUL90
 LATITUDE: 29 29.6 LONGITUDE: 92 59.9

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION B90610+44*2 DATE 15JUL90 GMT 2203 LATITUDE 29 34.4 LONGITUDE 93 28.8

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.58	.87	-----	23.949	4.272	.13	.32	10.30	.44	.10	.2
7	----	29.44	1.37	-----	28.424	1.397	1.03	1.40	40.30	3.04	1.17	.4
11	----	29.01	1.64	-----	30.404	.335	1.52	1.76	51.20	4.07	1.86	.4

CRUISE 90610 STATION B90610+45*1 DATE 15JUL90 GMT 2346 LATITUDE 29 29.0 LONGITUDE 93 10.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.31	.84	-----	22.453	4.689	.10	.10	7.46	.34	.08	.3
9	----	30.29	1.09	-----	31.280	1.491	.40	.78	40.70	1.09	3.70	.3
13	----	28.86	1.06	-----	31.977	.991	1.00	.93	51.70	1.29	4.44	.3

CRUISE 90610 STATION B90610+46*1 DATE 16JULY90 GMT 0052 LATITUDE 29 25.9 LONGITUDE 93 20.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.00	-----	-----	22.819	5.275	.07	.12	4.97	.57	.03	.2
5	----	29.24	1.06	-----	24.499	5.017	.07	.15	4.94	.52	.06	.3
9	----	30.08	1.06	-----	27.436	4.505	.17	.26	7.87	.54	.14	.3

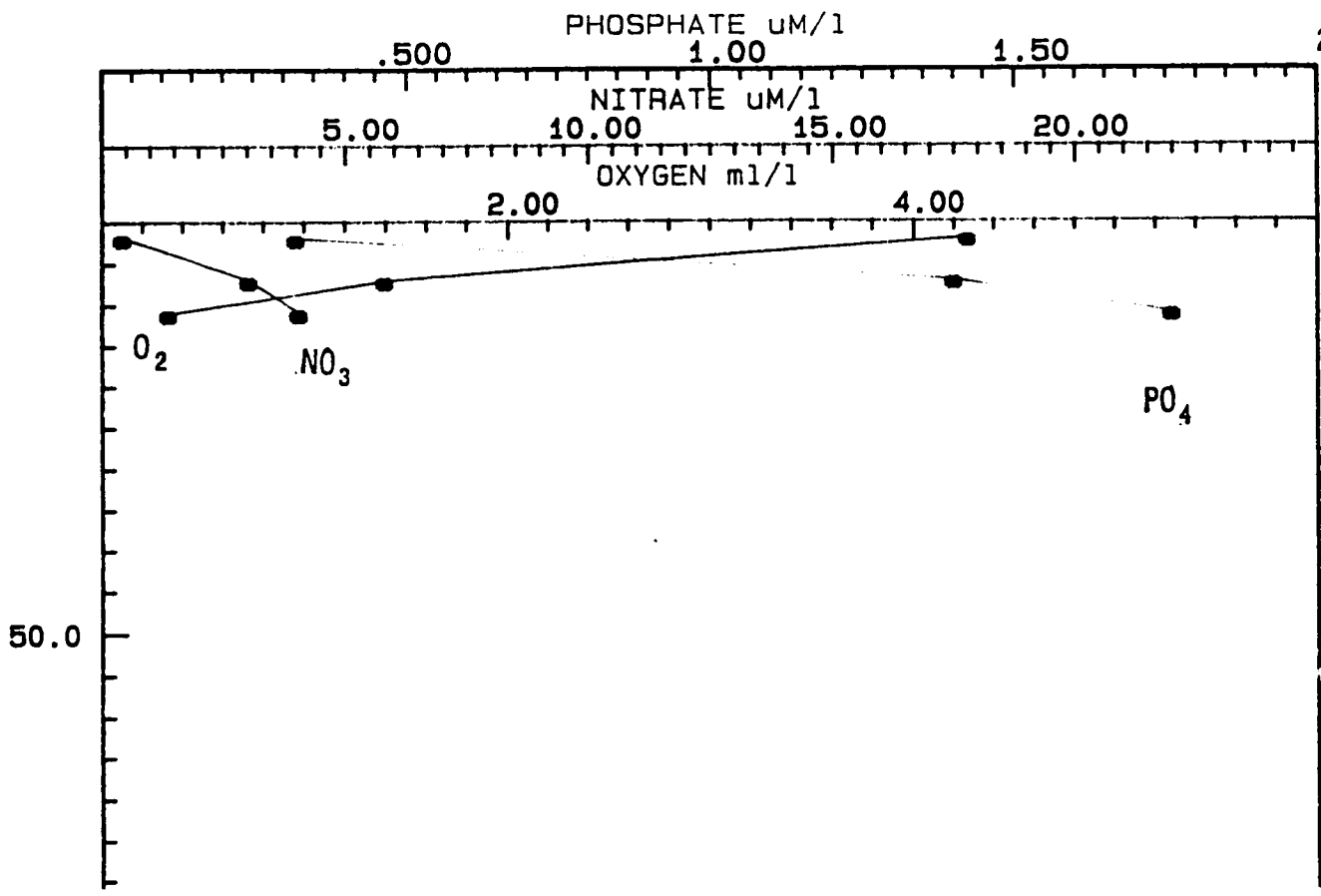
CRUISE 90610 STATION B90610+47*1 DATE 16JULY90 GMT 0051 LATITUDE 29 25.6 LONGITUDE 93 11.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.73	.81	-----	25.048	5.115	.08	.12	3.66	.21	.01	.1
8	----	29.34	.87	-----	25.745	4.789	.08	.18	4.71	.21	.01	.1
13	----	29.73	1.81	-----	29.535	3.569	.21	.51	25.30	.95	3.33	.1

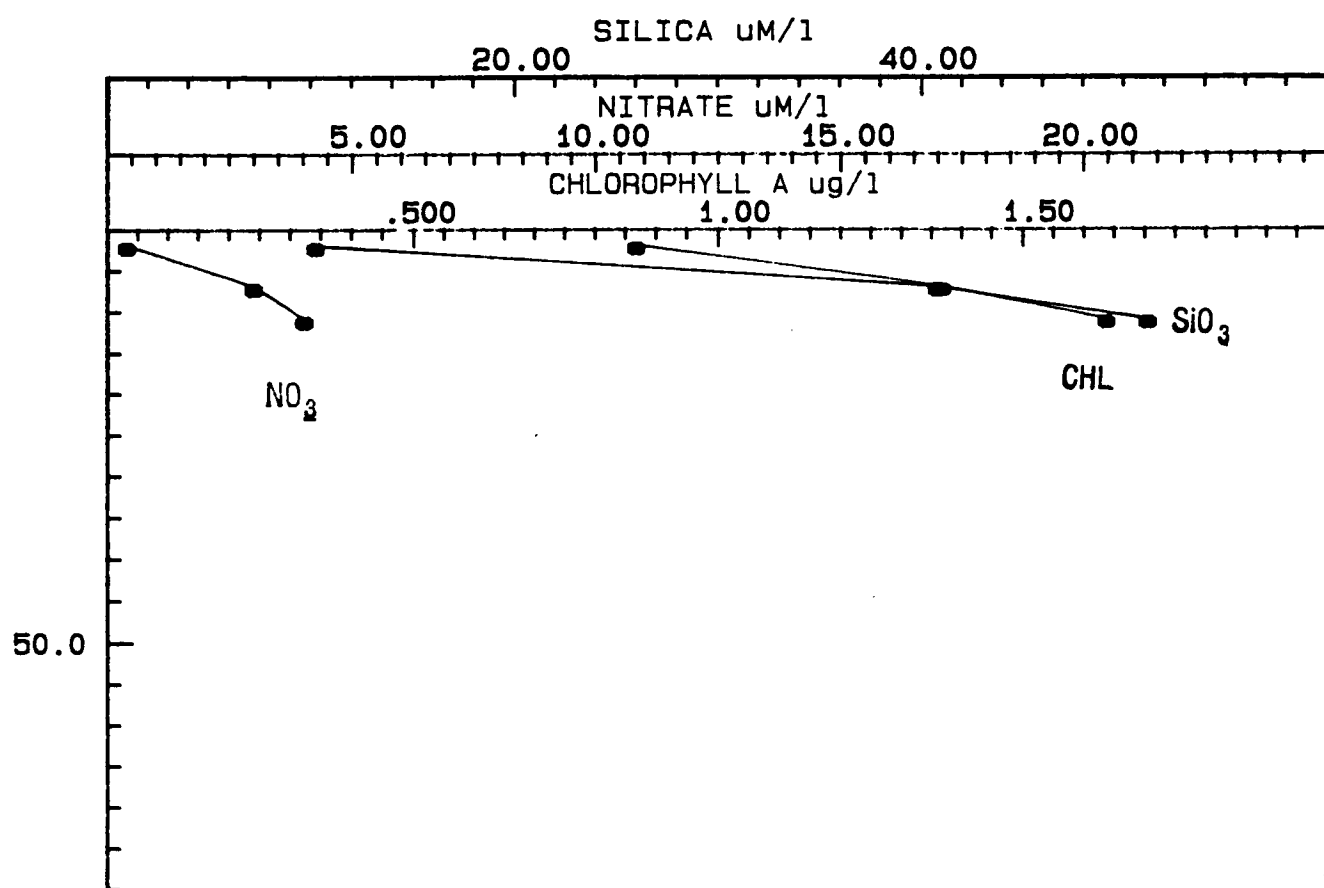
CRUISE 90610 STATION B90610+48*1 DATE 16JULY GMT 0319 LATITUDE 29 13.8 LONGITUDE 93 43.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.12	.19	-----	26.017	4.819	.07	.21	7.93	.05	.03	.2
8	----	29.21	2.41	-----	29.786	1.903	.10	1.33	35.50	.09	3.09	.2
12	----	29.14	2.96	-----	31.230	.850	.11	1.84	46.60	2.08	4.19	.3

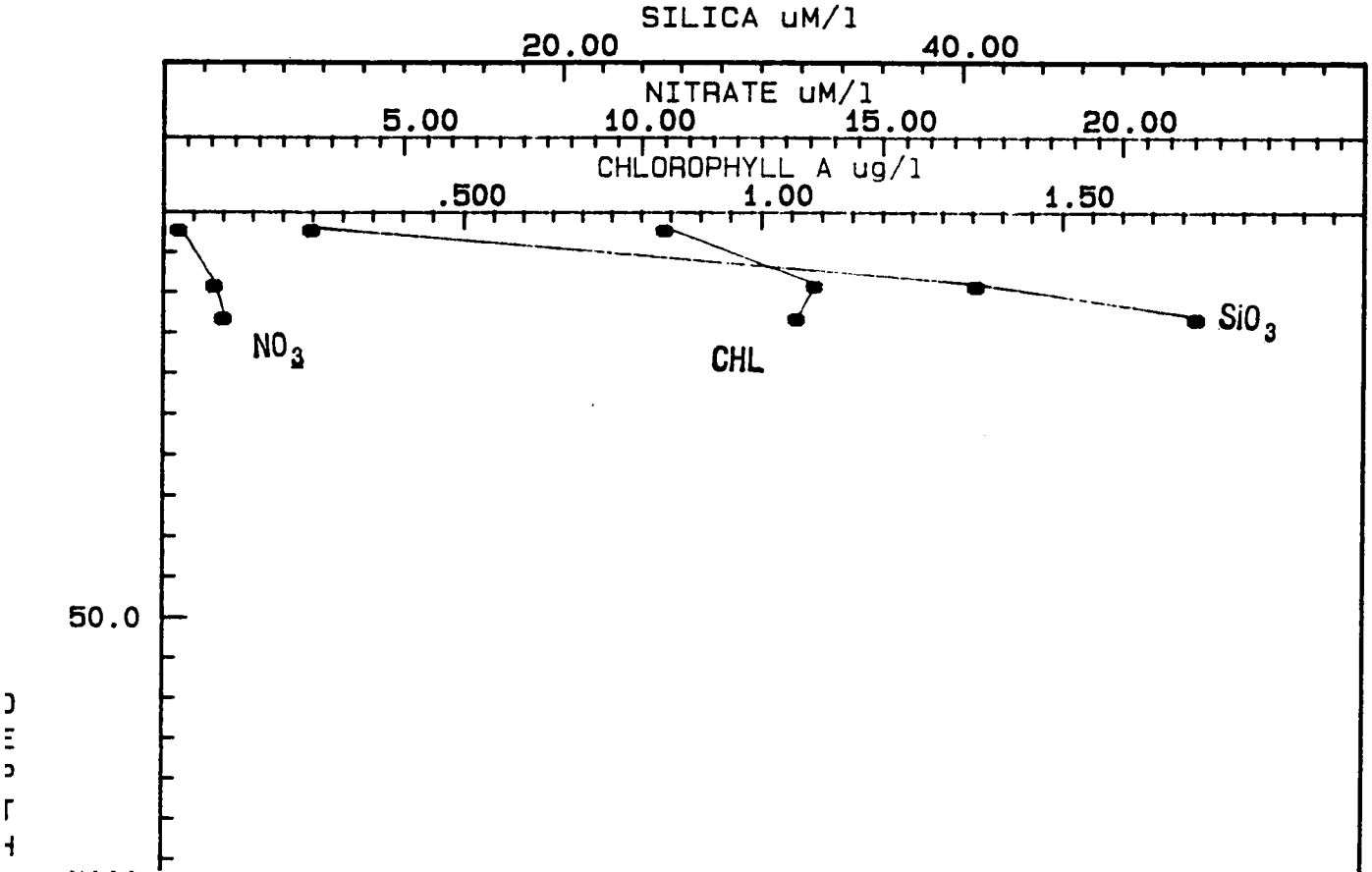
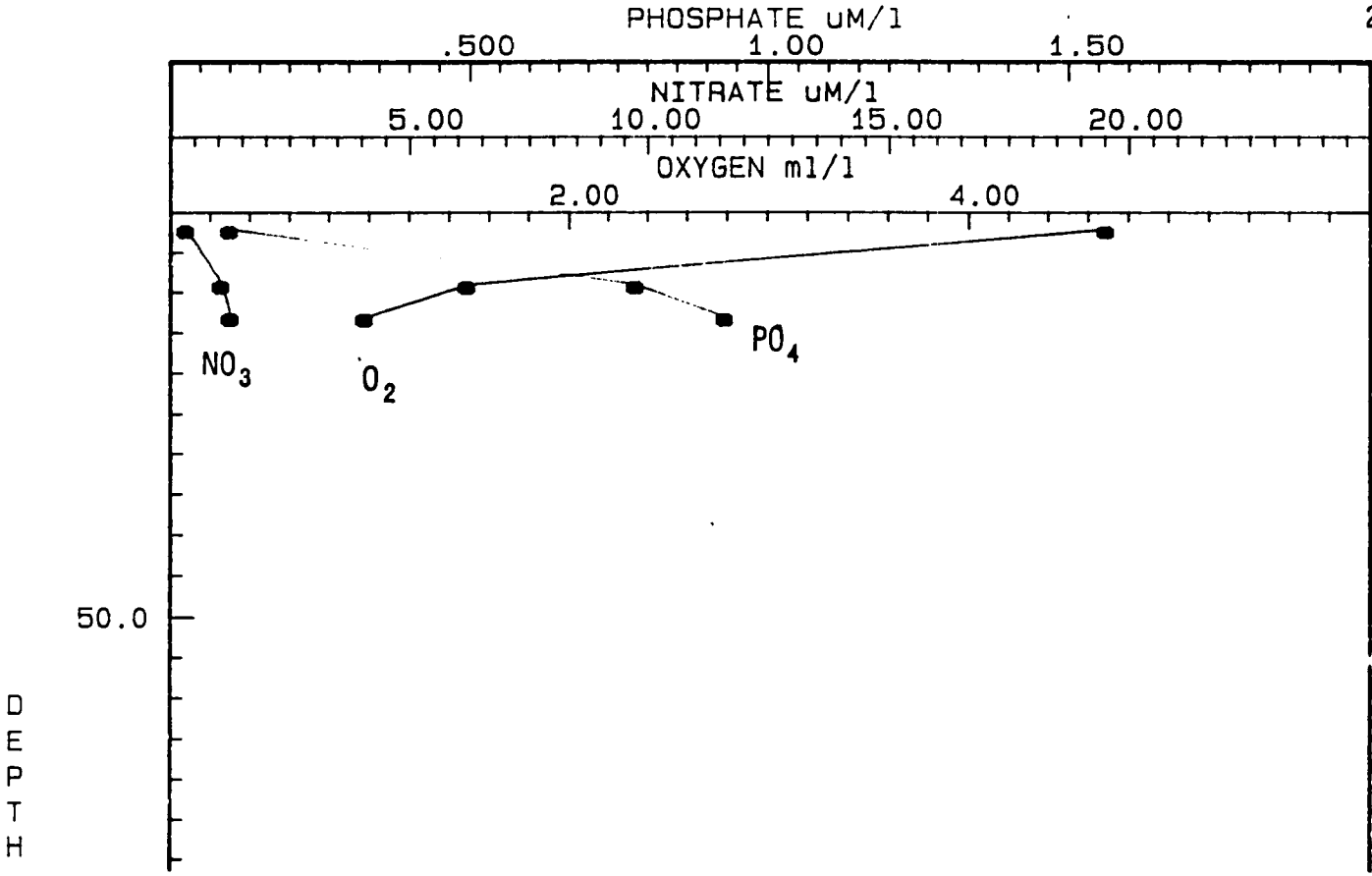
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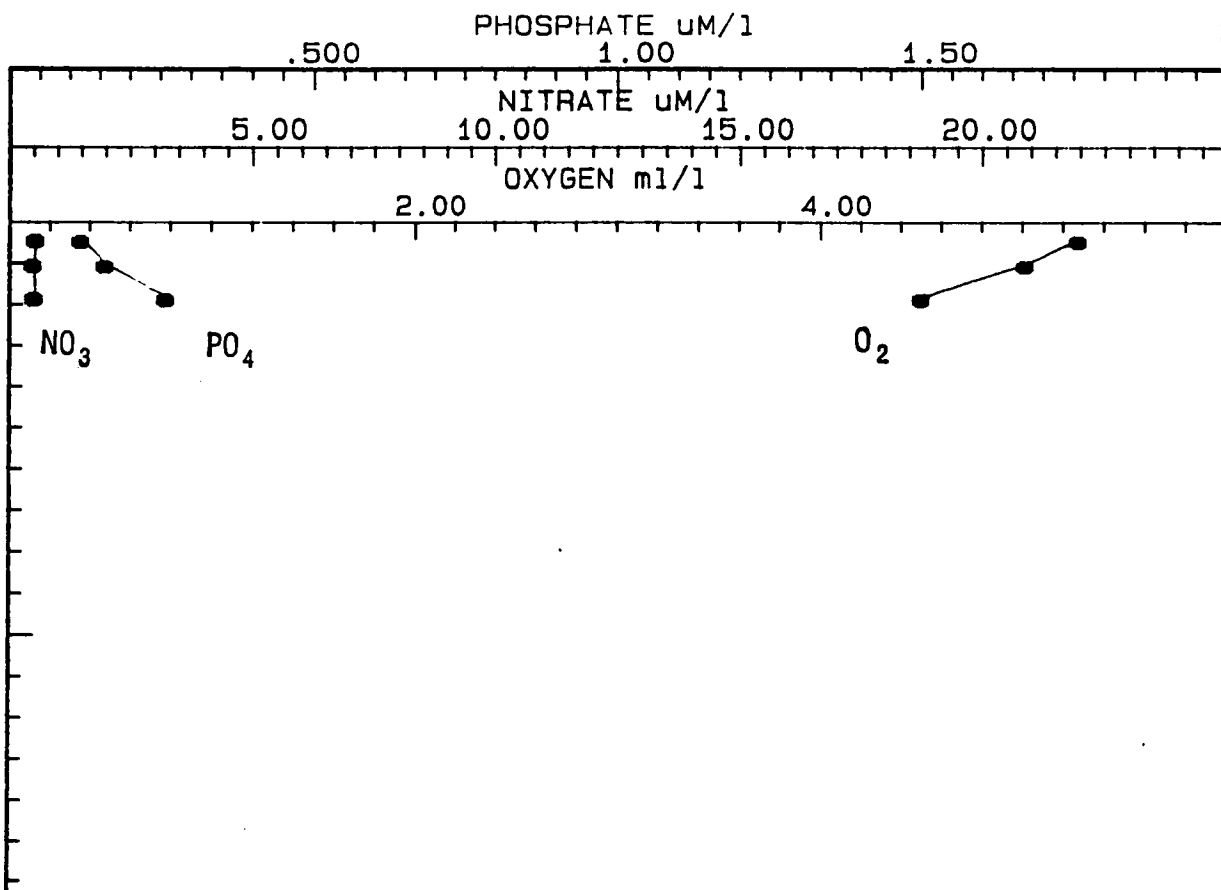
CRUISE: 80610 STATION: B80610*44*2 DATE: 15JUL90
LATITUDE: 29 34.4 LONGITUDE: 92 58.5



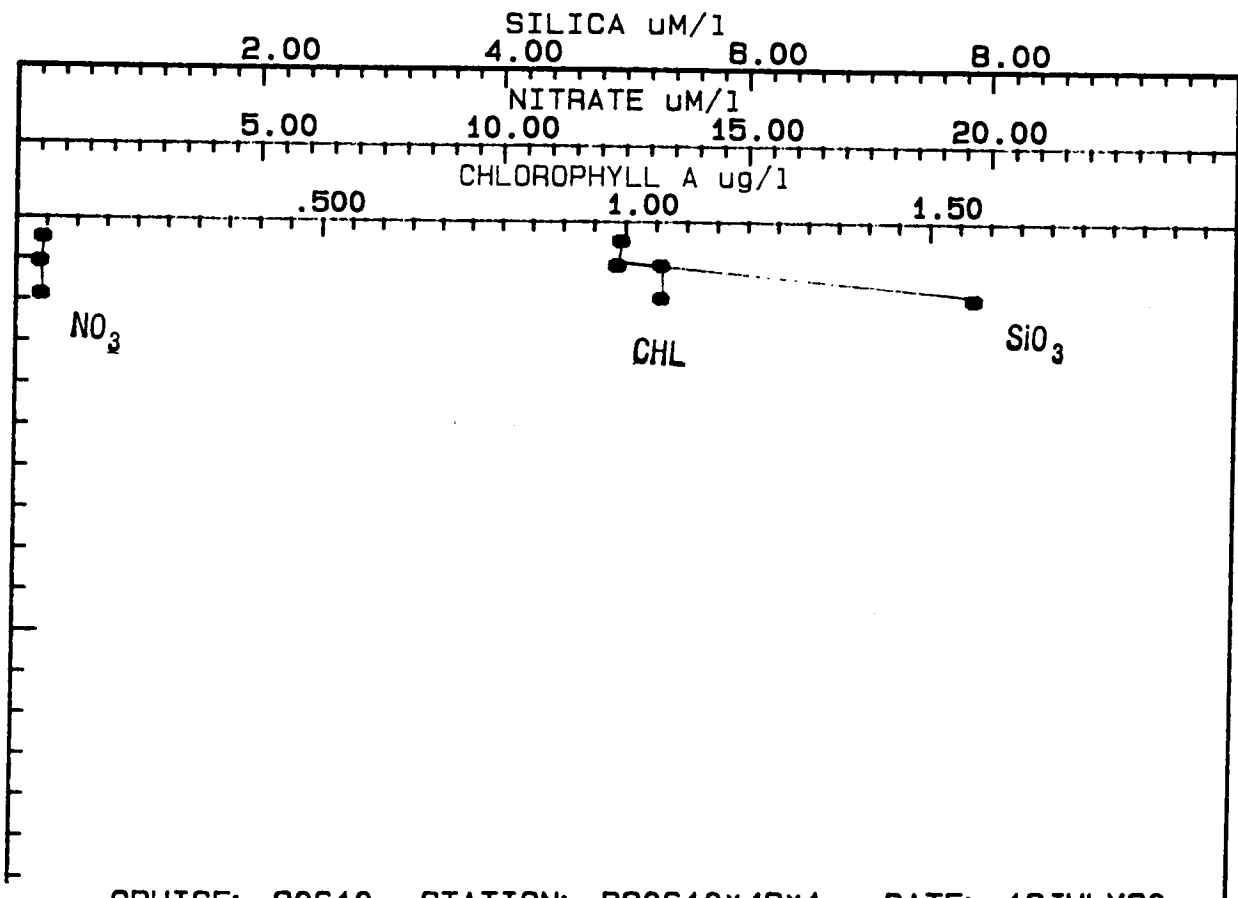
CRUISE: 90G10 STATION: B90G10*45*1 DATE: 15JUL90
LATITUDE: 29 28.0 LONGITUDE: 93 10.1

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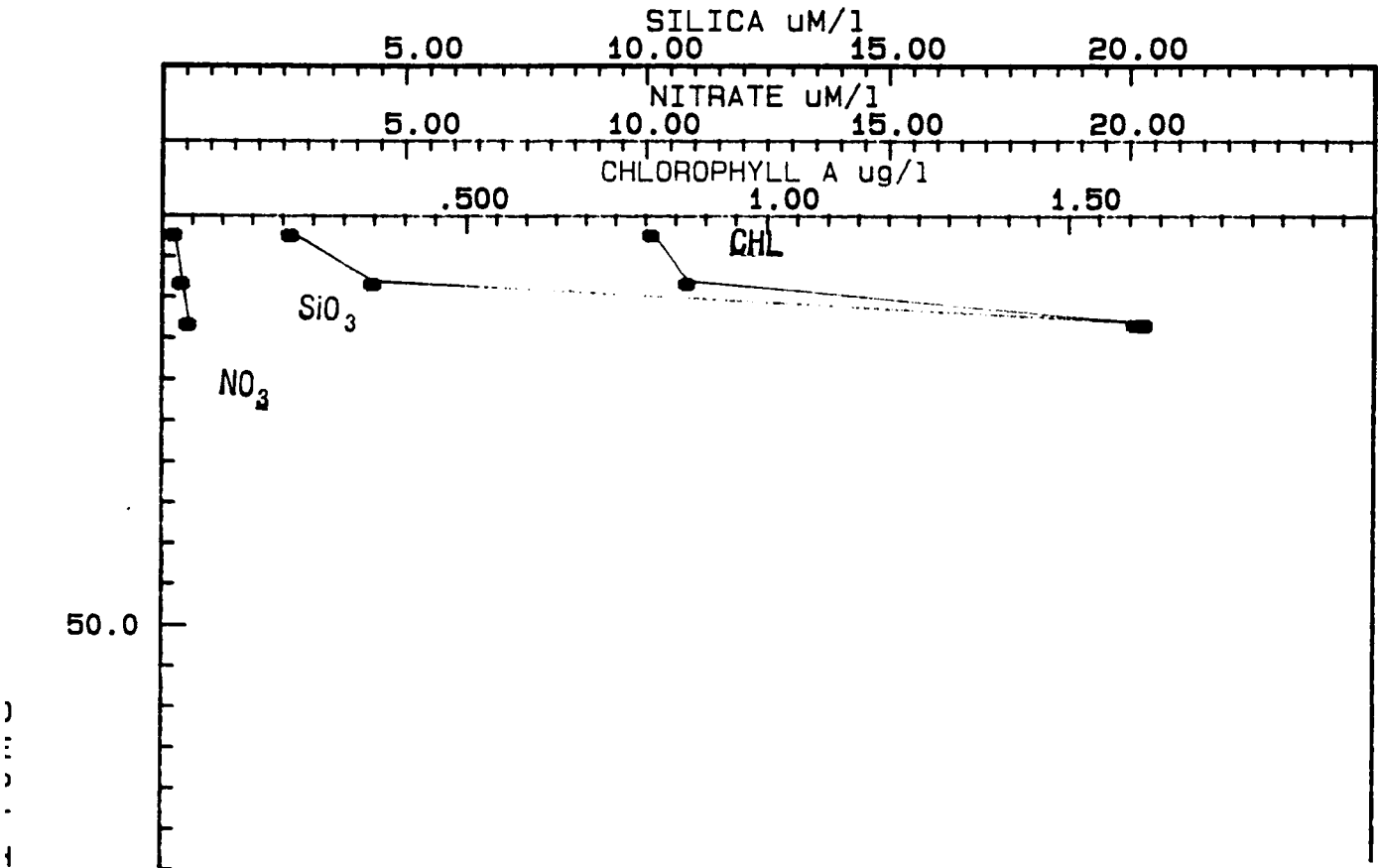
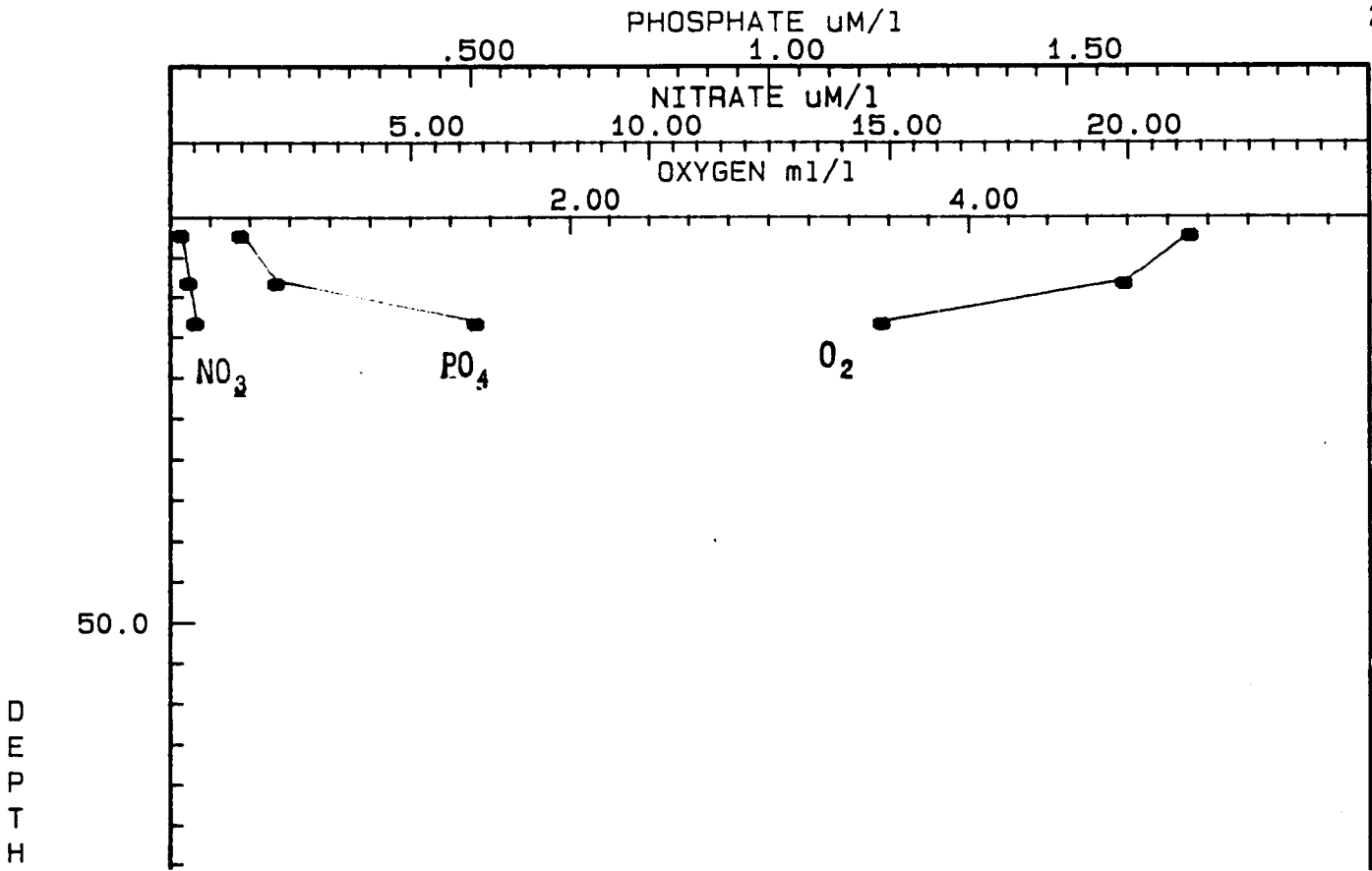
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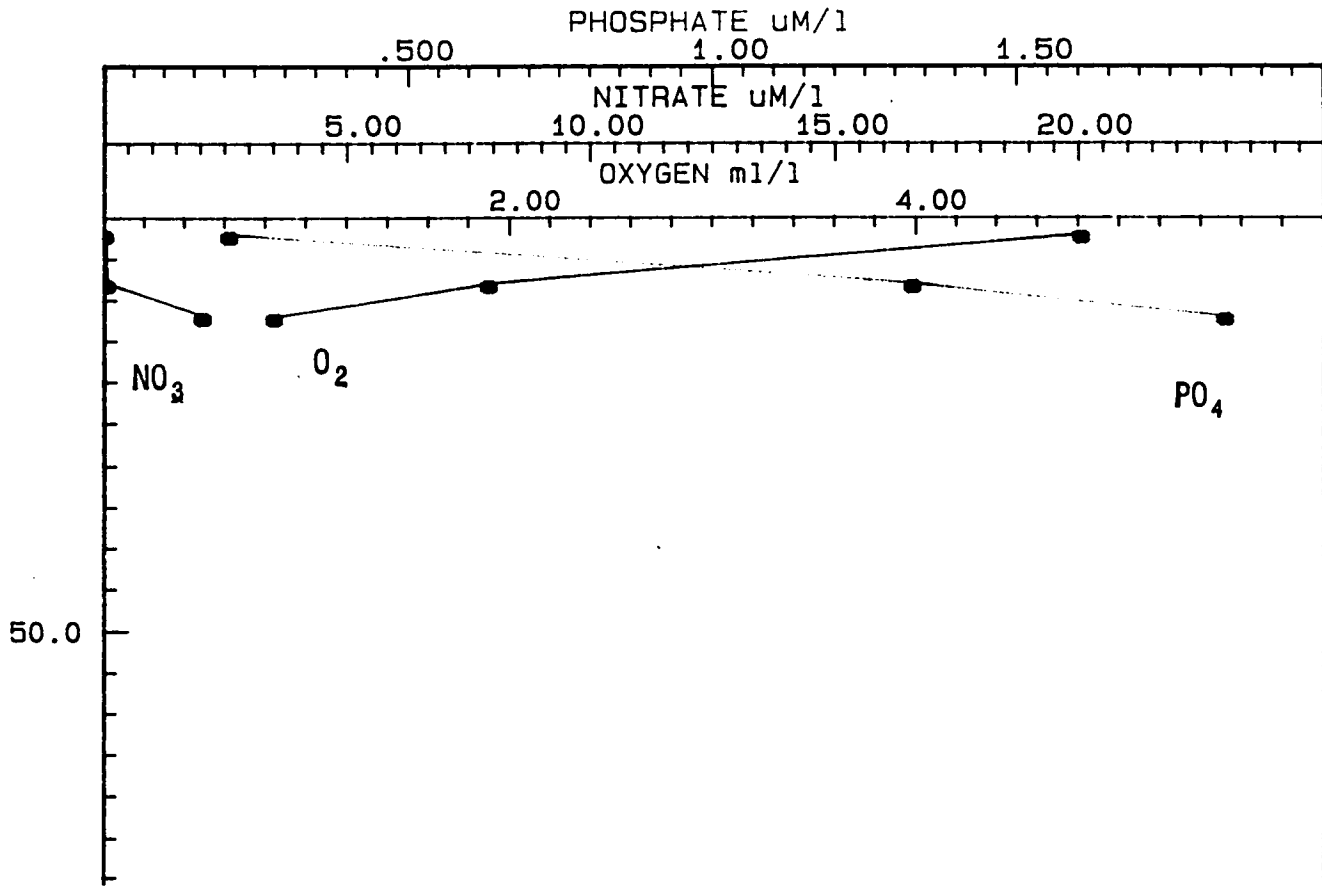


CRUISE: 90G10 STATION: B90G10*48*1 DATE: 18JULY90
 LATITUDE: 29 28.9 LONGITUDE: 93 20.4

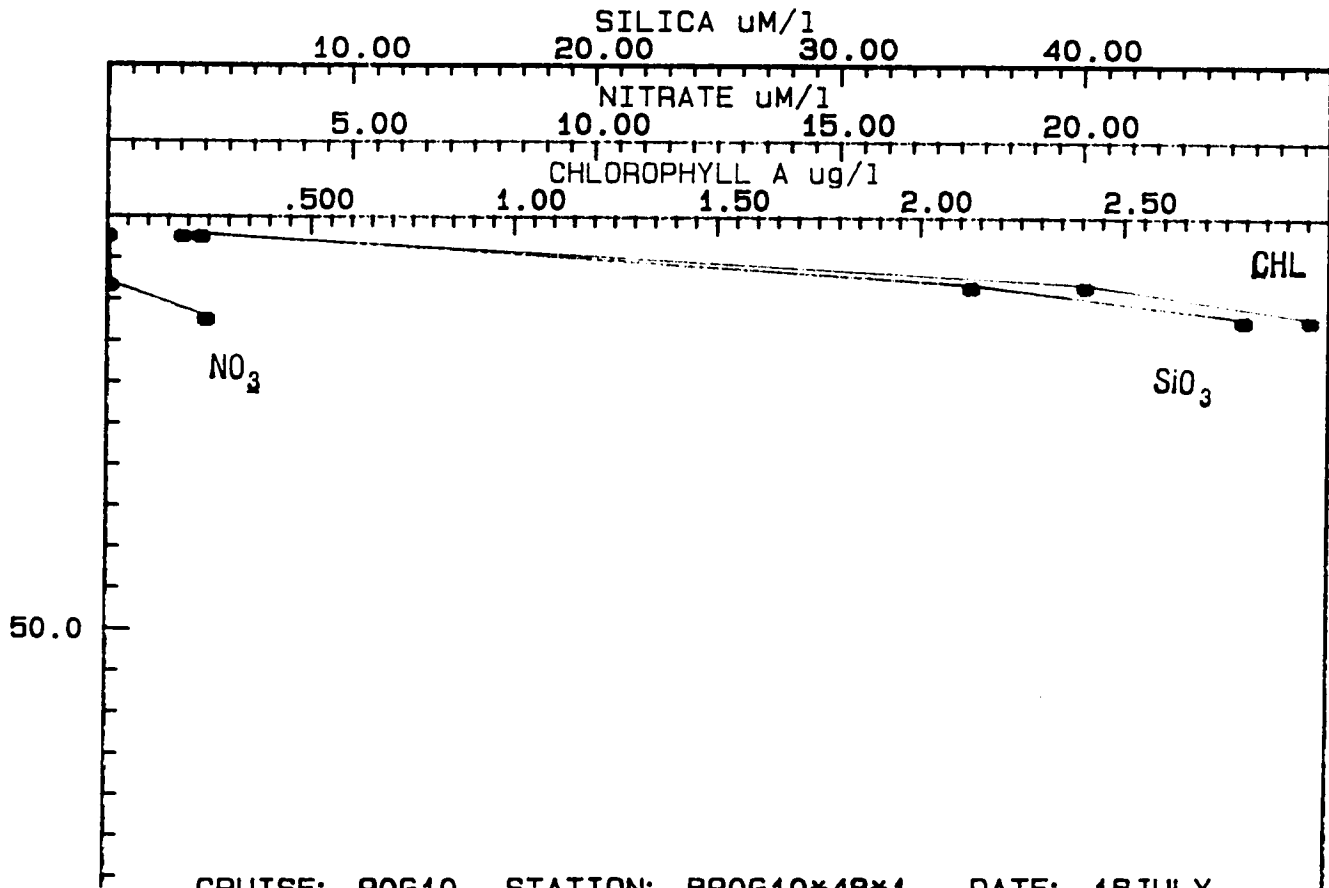


CRUISE: 90G10 STATION: B90G10*47*1 DATE: 16JULY90
LATITUDE: 29 25.8 LONGITUDE: 93 30.8

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CRUISE: 90G10 STATION: B90G10*48*1 DATE: 18JULY
LATITUDE: 29 23.8 LONGITUDE: 93 43.8

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION E90G10*49*1 DATE 16JULY90 GMT 0427 LATITUDE 29 22.5 LONGITUDE 93 53.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.97	.97	-----	28.822	4.507	.04	.17	3.75	.26	.01	.3
8	----	28.98	.97	-----	27.823	3.945	.11	.32	8.39	.16	.10	.3
11	----	29.57	1.42	-----	29.597	3.780	.14	.49	12.10	.08	.30	.2

CRUISE 90G10 STATION E90G10*50*1 DATE 16JULY90 GMT 0536 LATITUDE 29 21.4 LONGITUDE 94 3.7

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.98	.29	-----	29.698	4.570	.10	.27	5.41	.37	.01	.2
4	----	28.98	.13	-----	29.639	4.574	.18	.28	5.58	.42	.01	.5
7	----	29.05	.34	-----	29.729	4.548	.14	.29	5.75	.37	.01	.6

CRUISE 90G10 STATION E90G10*51*1 DATE 16JULY90 GMT 0639 LATITUDE 29 20.1 LONGITUDE 94 13.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.13	.13	-----	30.453	4.611	.12	.06	4.04	.22	0.00	.1
6	----	29.15	.13	-----	30.465	4.536	.11	.06	4.05	.29	0.00	.1
11	----	29.23	.10	-----	30.509	4.542	.23	.07	4.32	.30	.01	.1

CRUISE 90G10 STATION E90G10*52*1 DATE 16JULY90 GMT 0740 LATITUDE 29 19.1 LONGITUDE 94 23.4

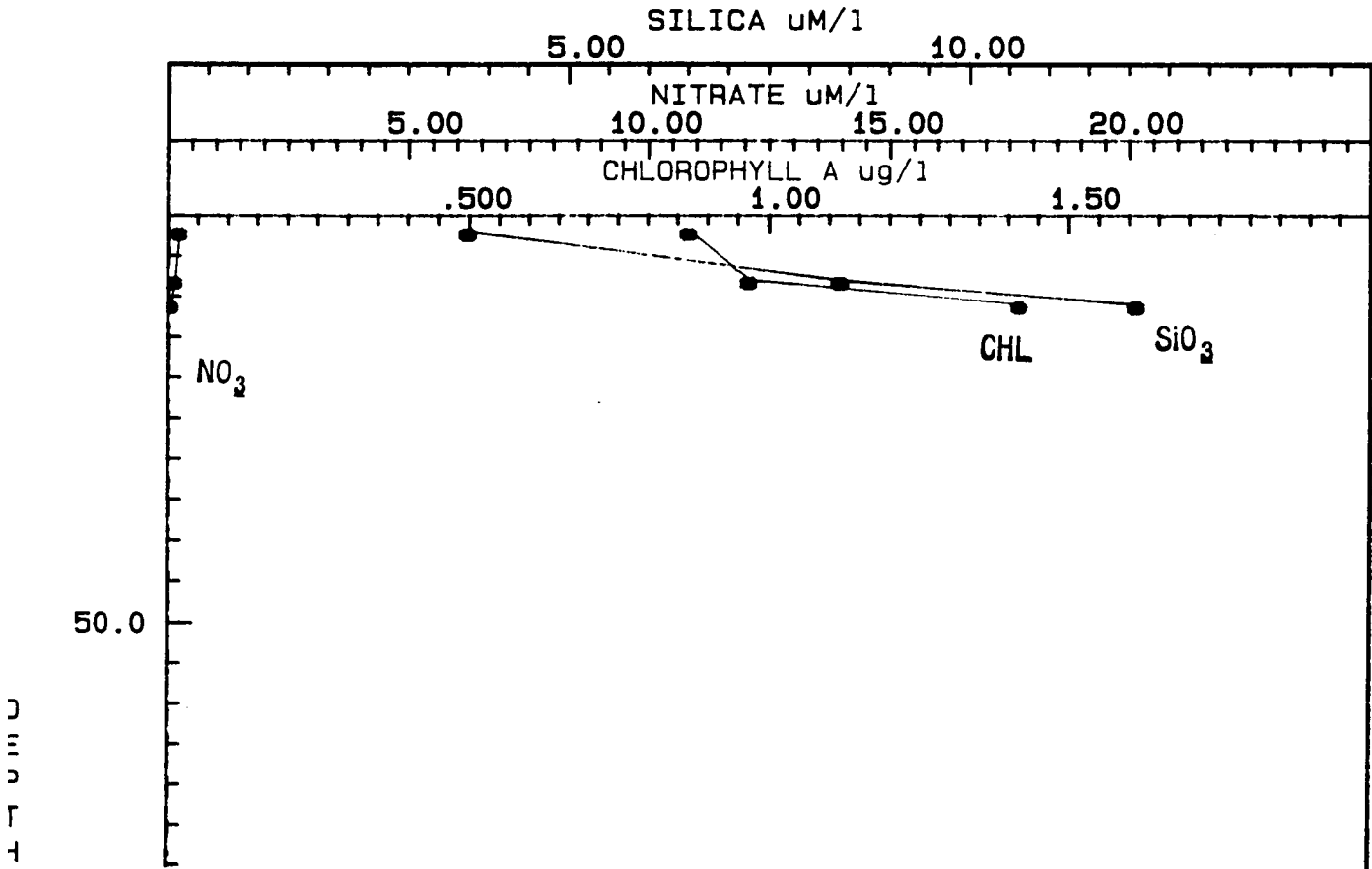
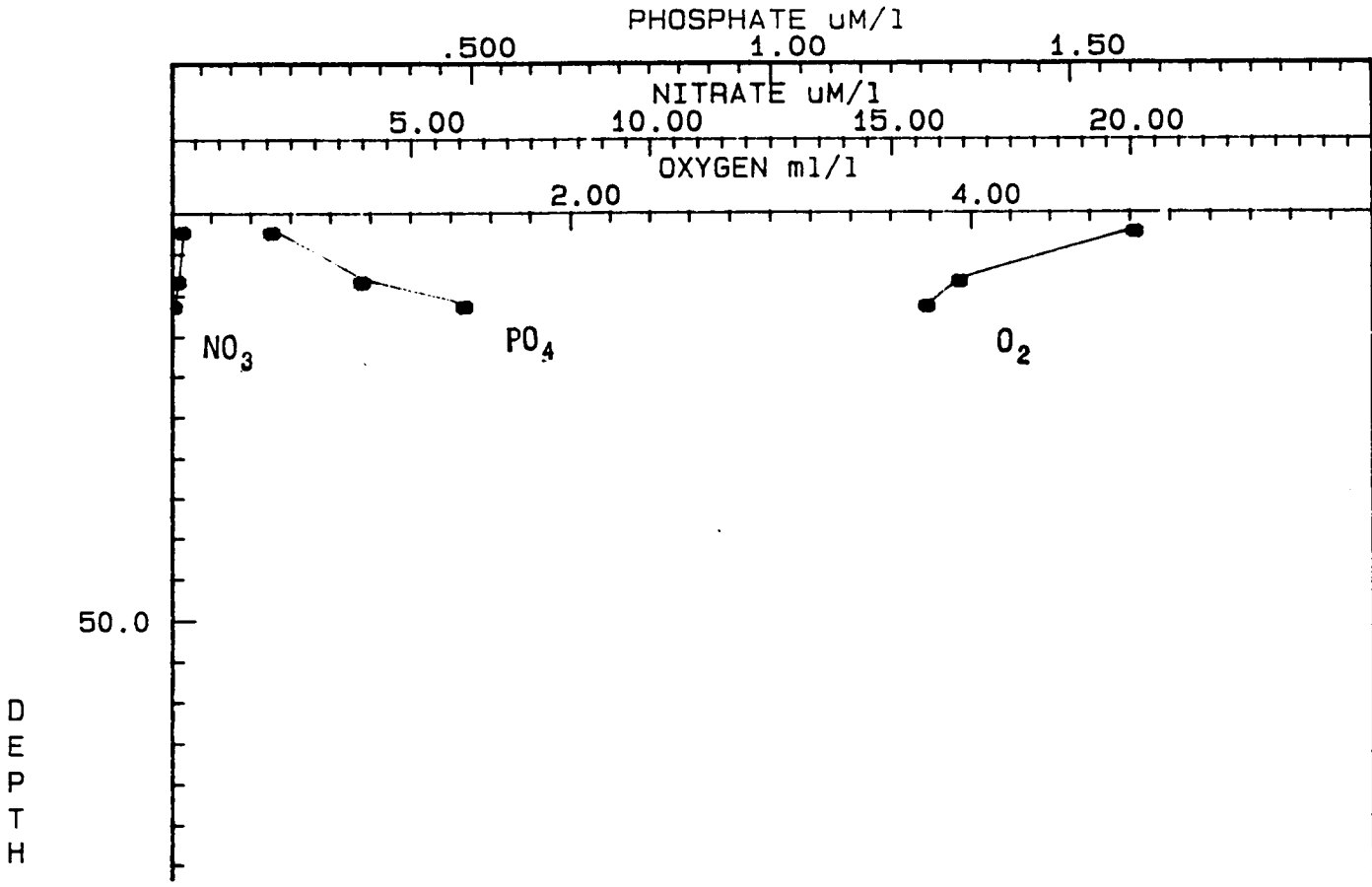
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.97	.08	-----	29.851	4.629	.07	.13	6.43	.27	0.00	.2
6	----	29.96	.10	-----	30.044	4.546	.18	.17	6.50	.18	.01	.2
10	----	29.51	.74	-----	31.211	3.939	.18	.34	8.29	.18	.12	.1

CRUISE 90G10 STATION E90G10*53*1 DATE 16JULY90 GMT 0927 LATITUDE 29 18.1 LONGITUDE 94 38.0

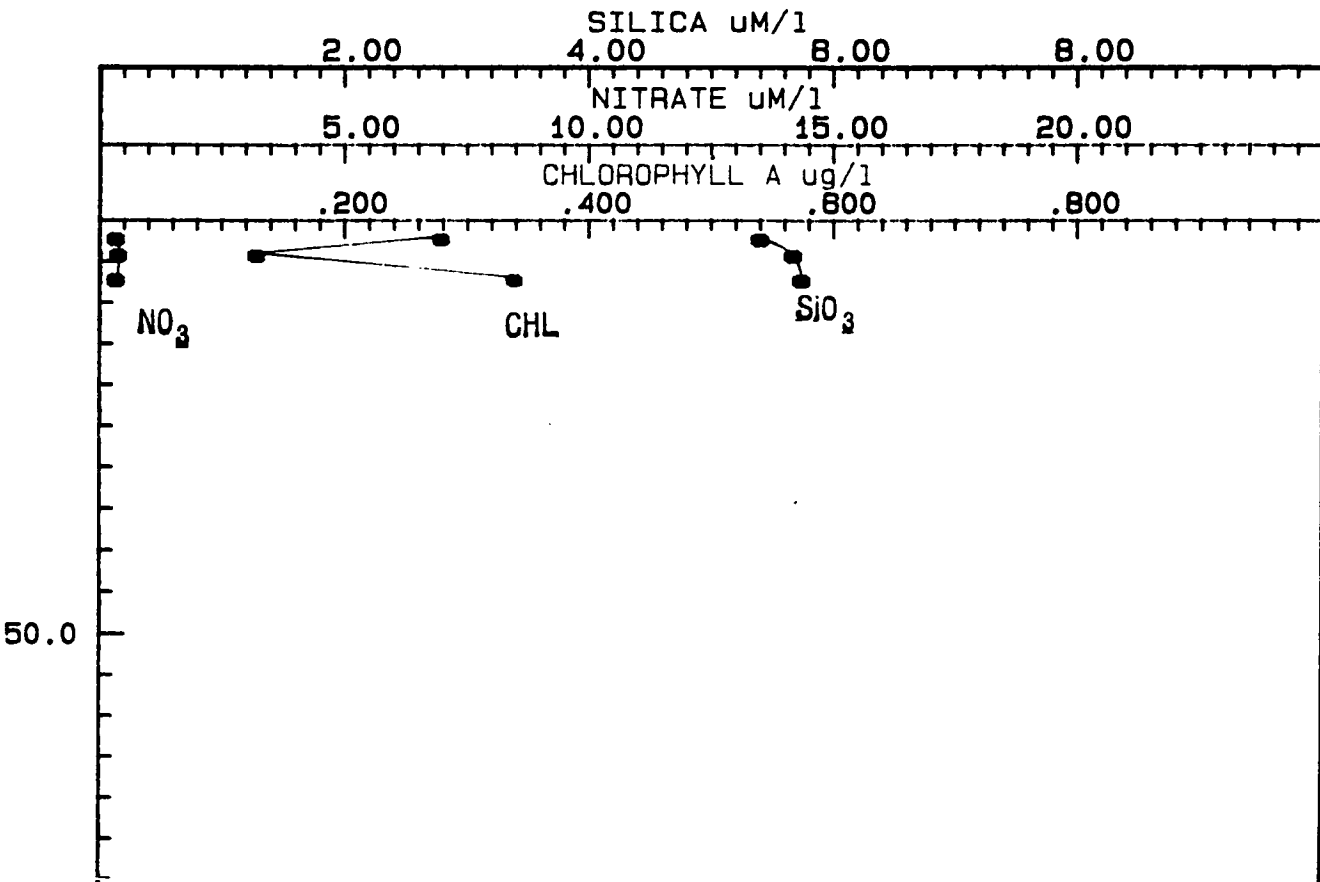
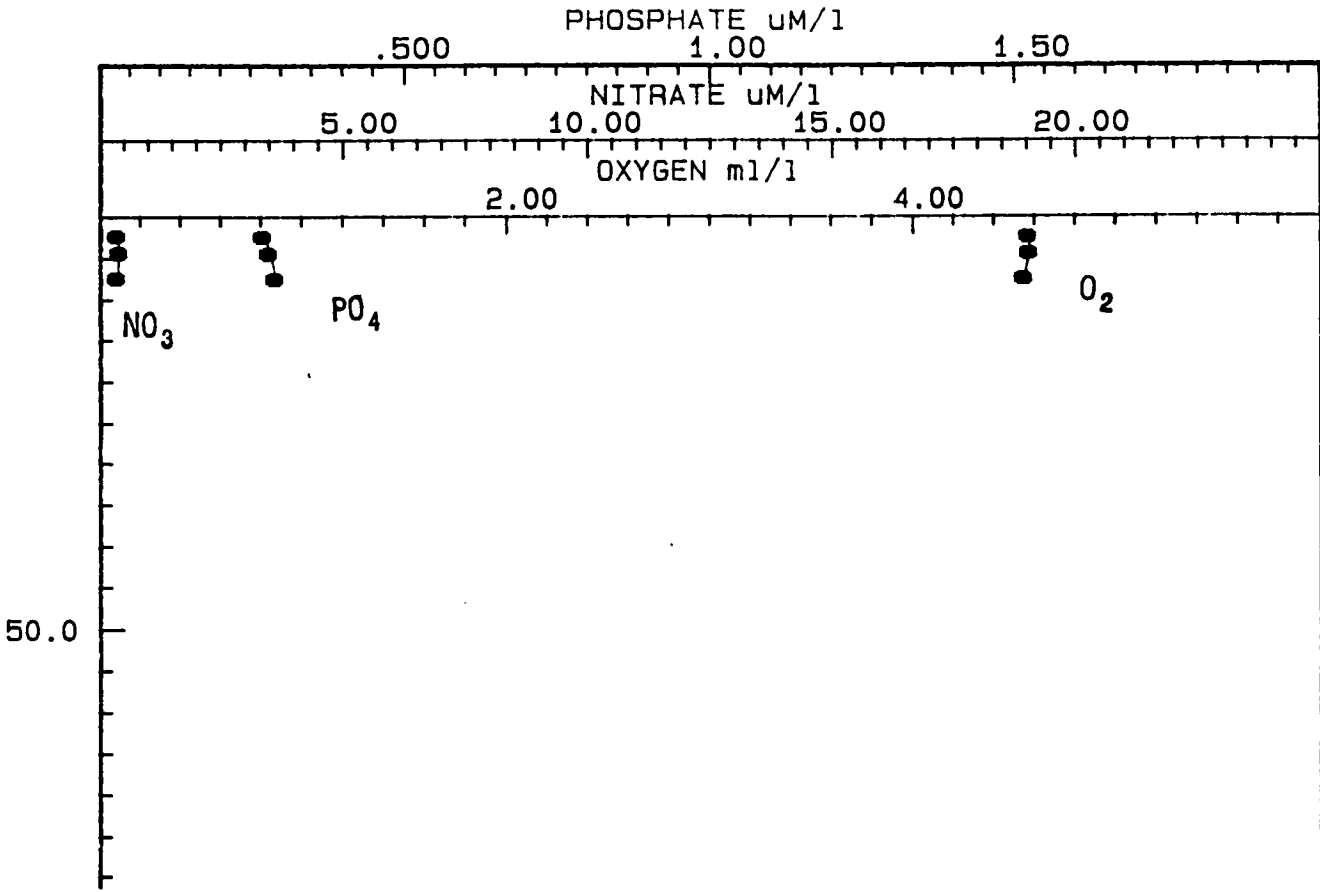
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.09	.10	-----	31.617	4.556	.04	.12	6.06	.35	.01	.0
6	----	29.10	.12	-----	31.621	4.555	.04	.12	6.08	.39	0.00	.1
11	----	29.12	.14	-----	31.653	4.547	.17	.18	6.56	.39	0.00	.2

CRUISE 90G10 STATION E90G10*54*1 DATE 16JULY90 GMT 0922 LATITUDE 29 18.0 LONGITUDE 94 39.0

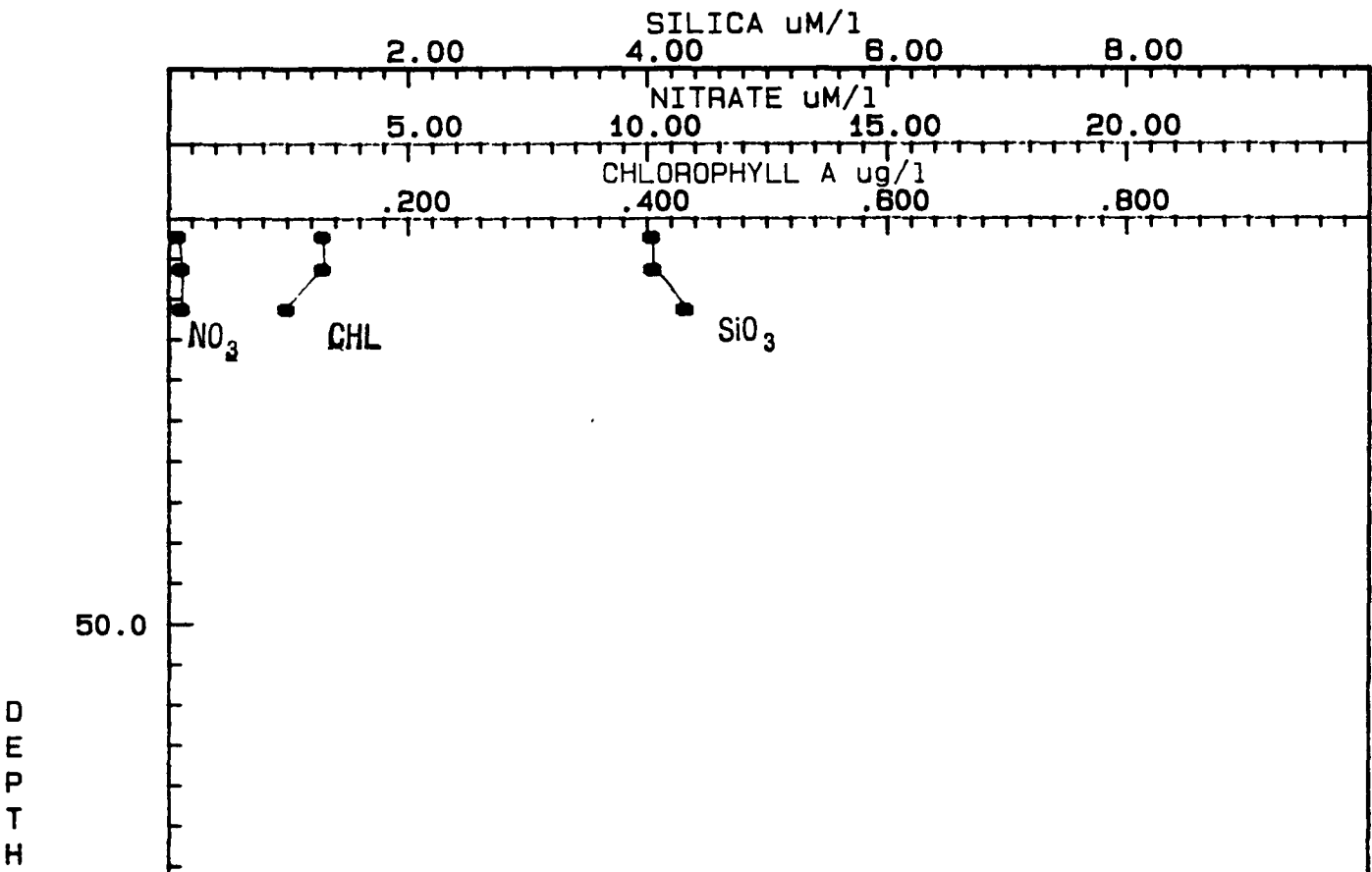
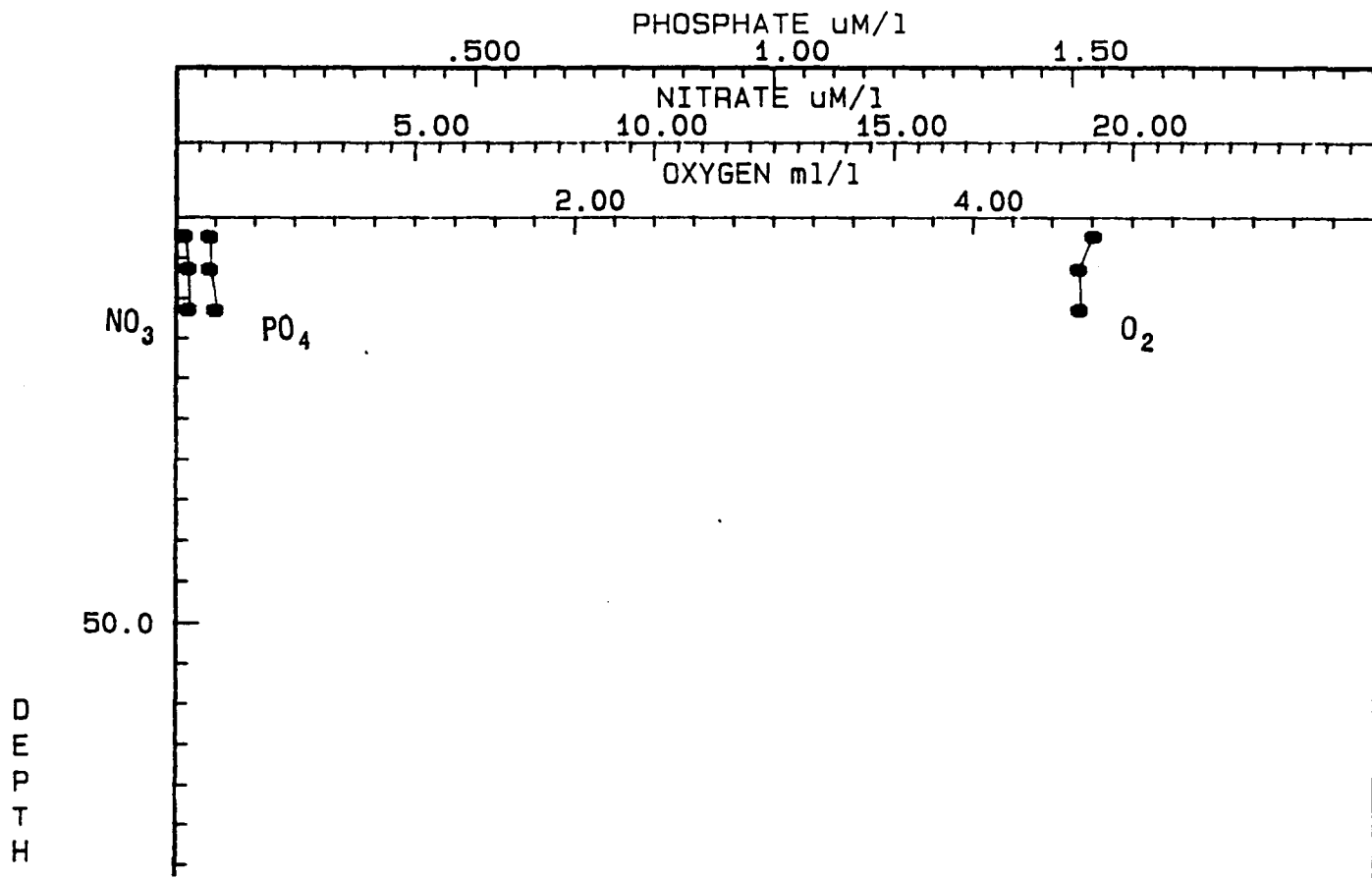
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.84	.21	-----	30.145	4.618	.21	.41	11.70	.17	.03	.2
6	----	28.88	.31	-----	30.643	4.425	.24	.53	10.90	0.00	.04	.2
12	----	29.02	.71	-----	32.346	3.990	1.06	.69	13.90	.11	.17	.6



CRUISE: 90G10 STATION: B90G10*49*1. DATE: 16JULY90
LATITUDE: 29 22.5 LONGITUDE: 93 53.9

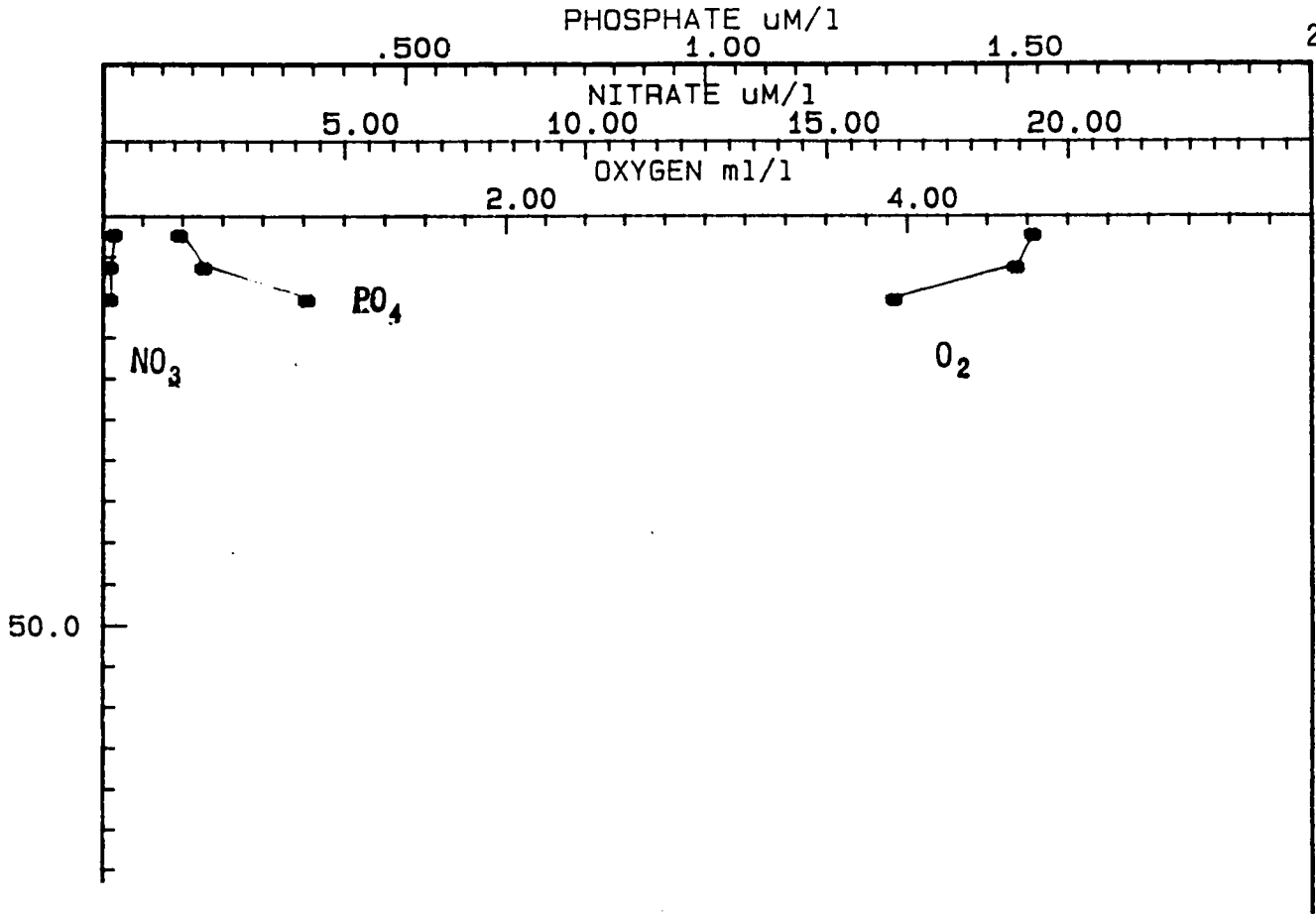


CRUISE: 90G10 STATION: B90G10*50*1 DATE: 16JULY90
LATITUDE: 29 21.4 LONGITUDE: 94 3.7

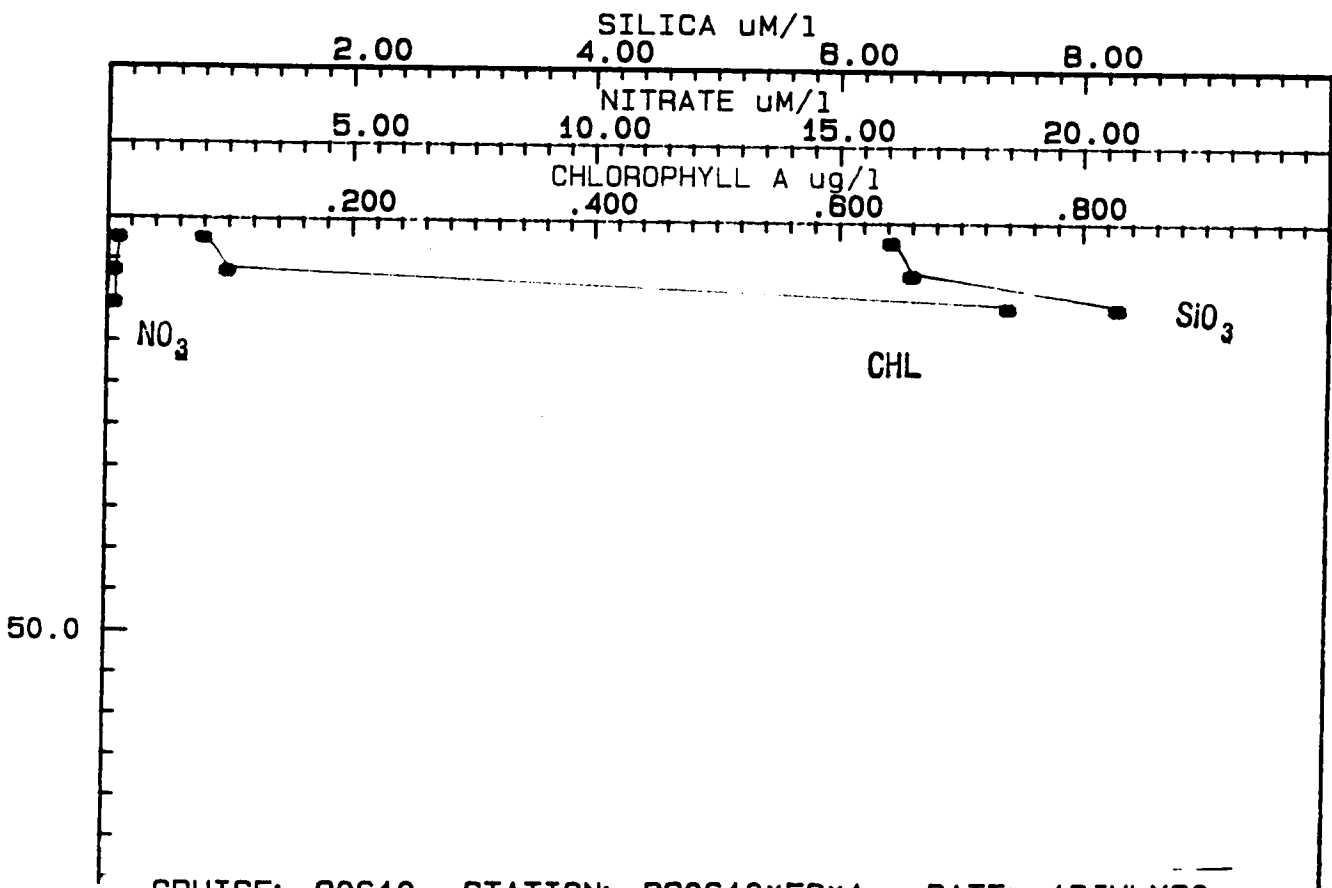


CRUISE: 90G10 STATION: B90G10*51*1 DATE: 18JULY90
LATITUDE: 29 20.1 LONGITUDE: 94 13.5

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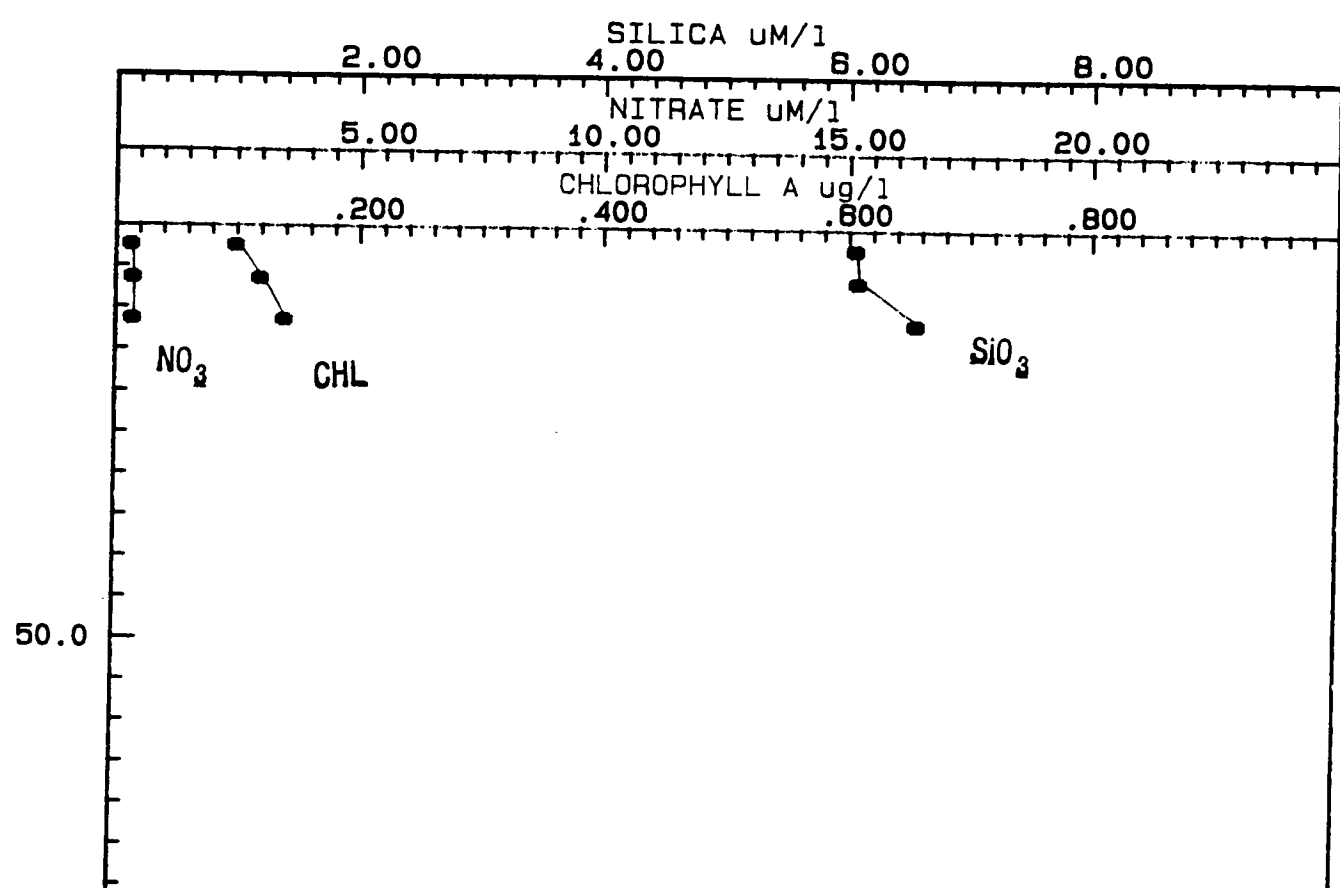
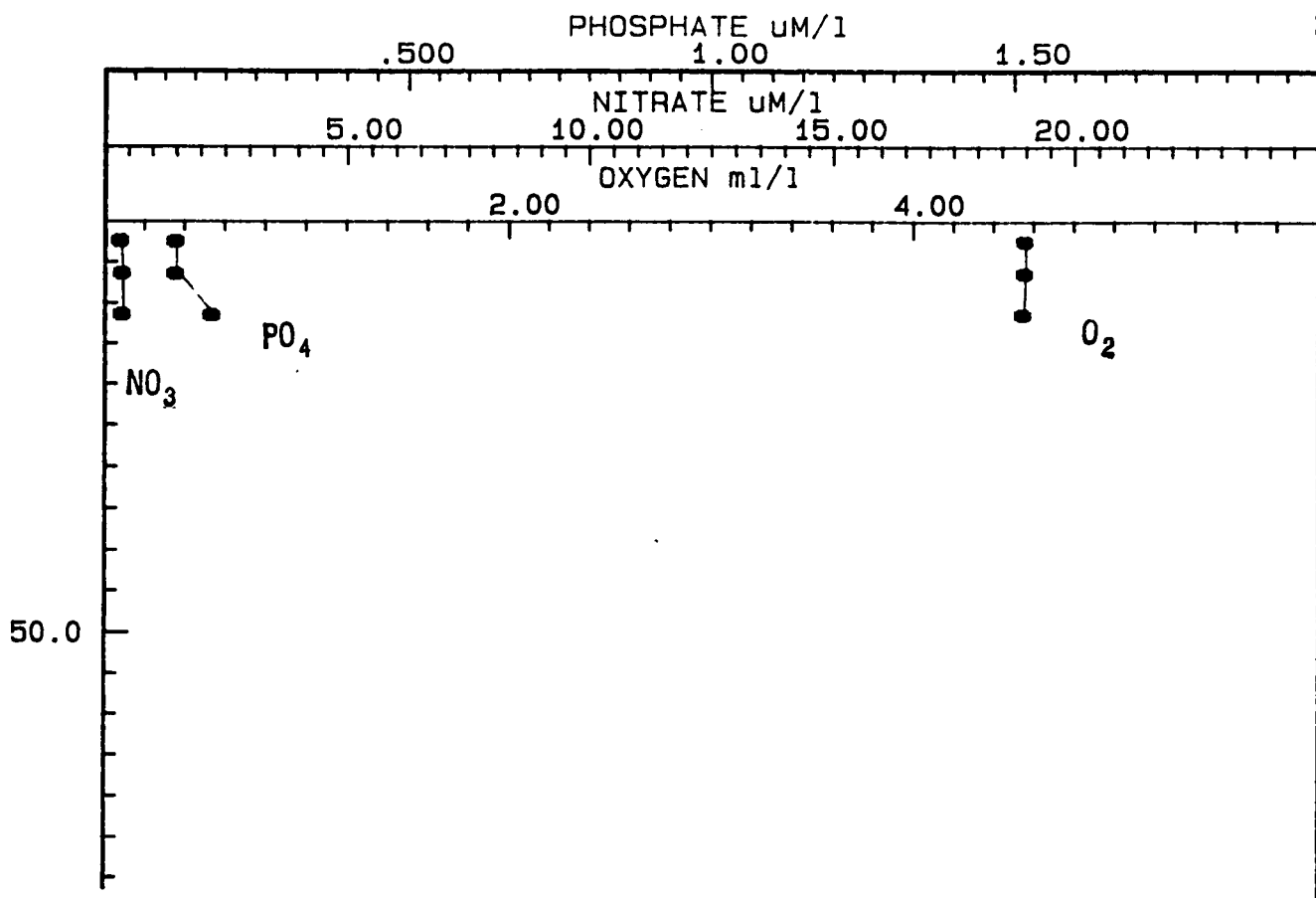


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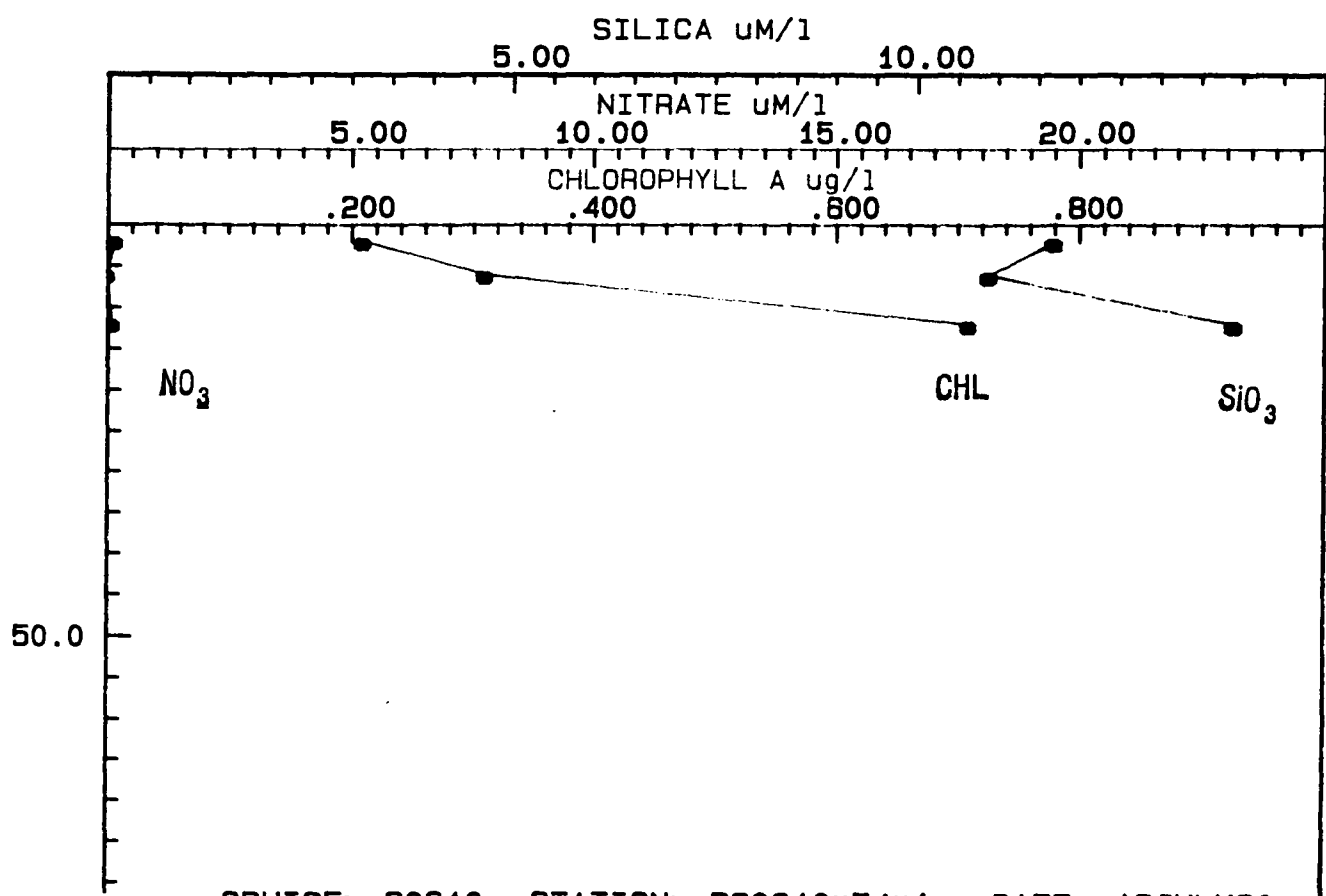
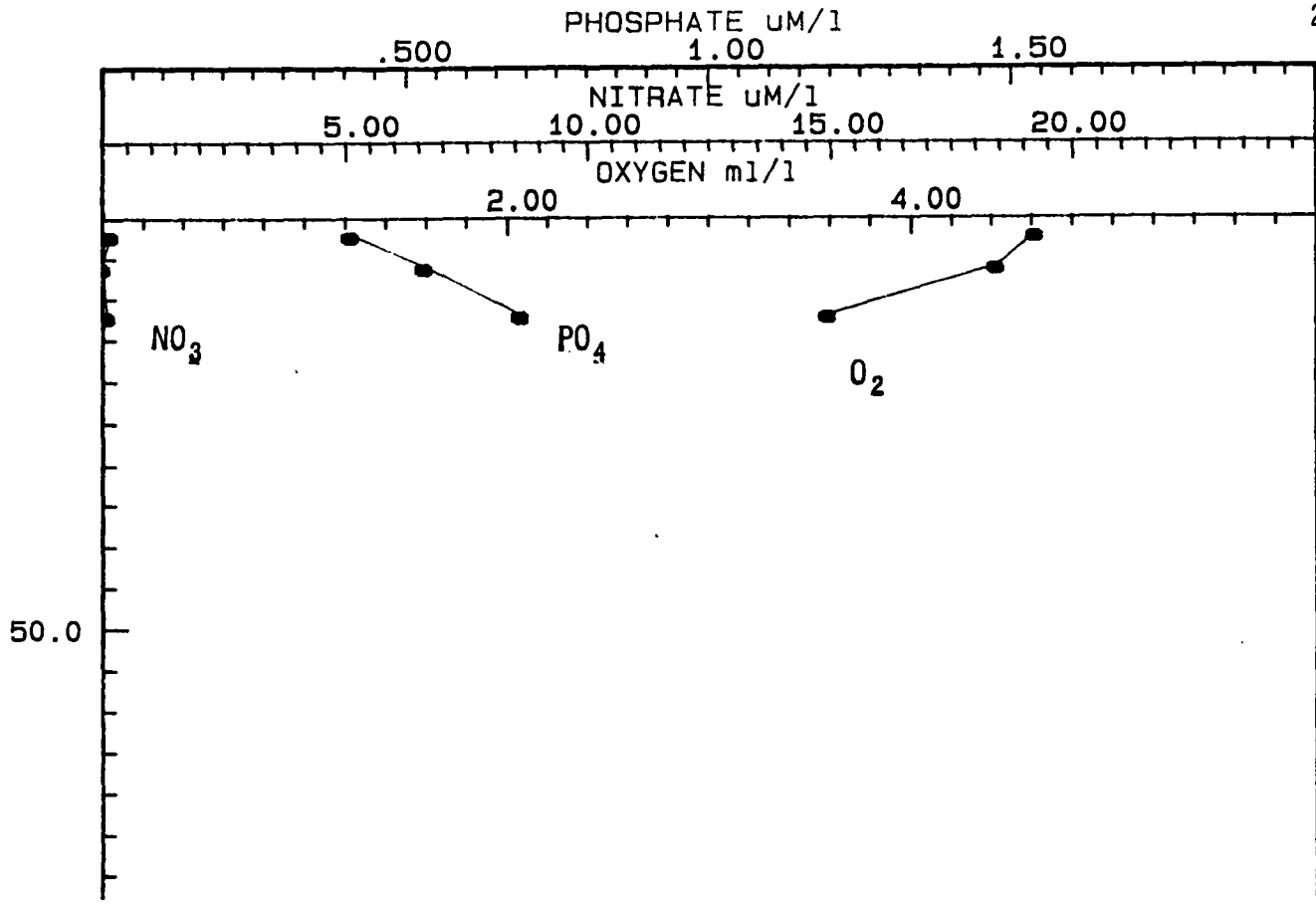


CRUISE: 90G10 STATION: B90G10*52*1 DATE: 18JULY80
LATITUDE: 29 19.1 LONGITUDE: 94 23.4

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CRUISE: 90G10 STATION: B90G10*53*1 DATE: 18JULY90
 LATITUDE: 29 18.1 LONGITUDE: 94 30.0



CRUISE: 80610 STATION: B80610*54*1 DATE: 16JULY80
LATITUDE: 29 18.0 LONGITUDE: 94 38.0

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10+55*1 DATE 16JUL90 GMT 1734 LATITUDE 29 9.5 LONGITUDE 94 15.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.99	.37	-----	30.078	4.679	.11	.16	3.05	.13	.01	0.0
7	----	29.04	.32	-----	30.216	4.698	.11	.11	3.26	.13	.01	0.0
11	----	29.13	.27	-----	30.526	4.685	.13	.11	3.78	.17	.01	.0

CRUISE 90G10 STATION B90G10+56*1 DATE 16JUL90 GMT 1735 LATITUDE 29 5.8 LONGITUDE 94 57.8

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.89	.40	-----	29.646	4.617	.09	.09	2.51	0.00	.01	.1
9	----	29.09	.34	-----	29.828	4.740	.08	.09	2.56	.01	0.00	.0
16	----	29.48	.21	-----	30.558	4.445	.37	.28	6.23	.08	.01	.0

CRUISE 90G10 STATION B90G10+57*1 DATE 16JUL90 GMT 2152 LATITUDE 29 8.2 LONGITUDE 93 34.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
3	----	28.96	.42	-----	29.961	4.659	.09	.13	3.80	.37	0.00	.1
9	----	29.17	.21	-----	30.471	4.443	.33	.25	7.07	.30	.02	.1
14	----	29.30	.18	-----	30.645	4.241	.41	.29	8.32	.16	.07	.1

CRUISE 90G10 STATION B90G10+58*1 DATE 17JUL90 GMT 0023 LATITUDE 29 9.9 LONGITUDE 93 10.9

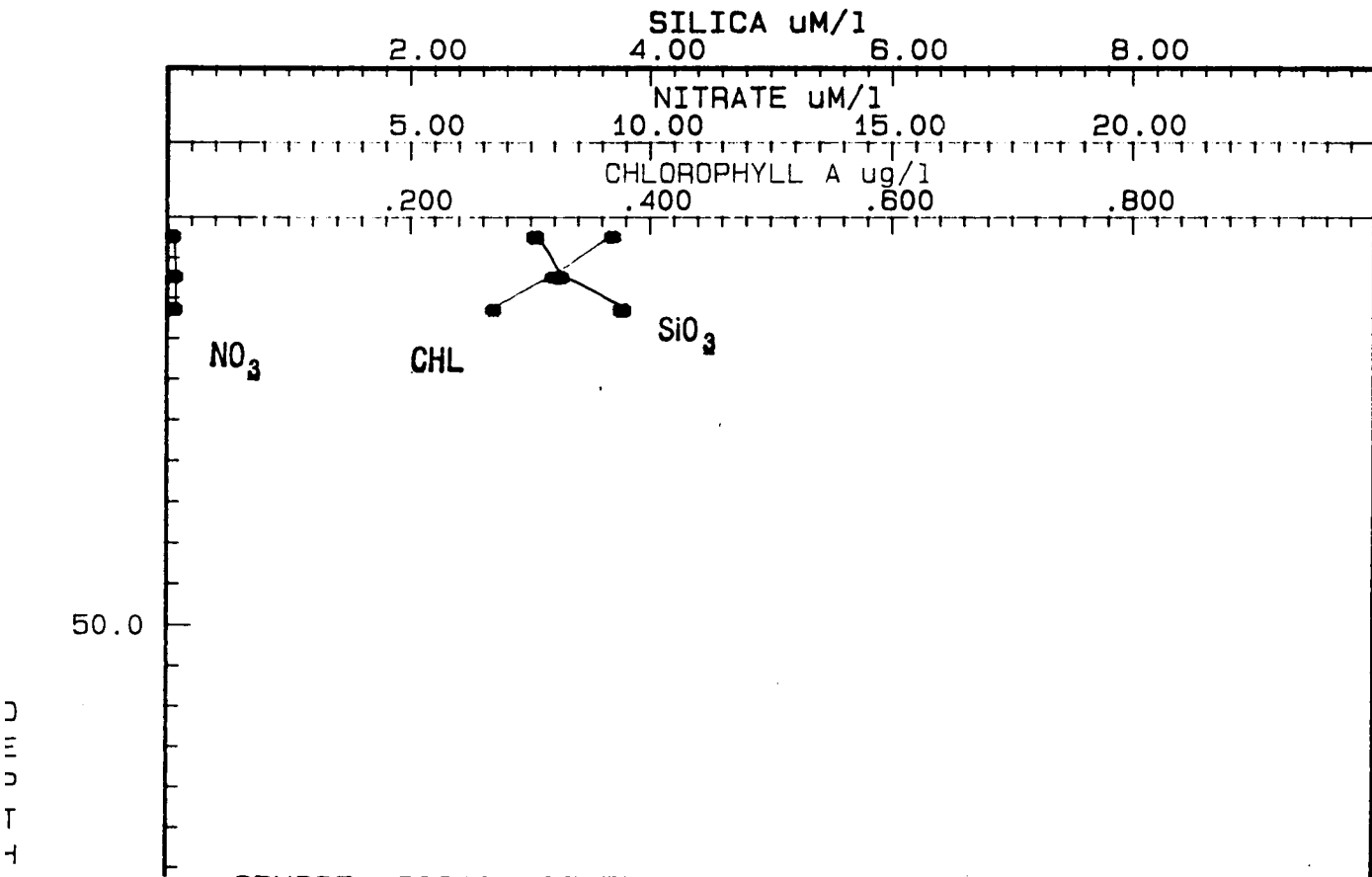
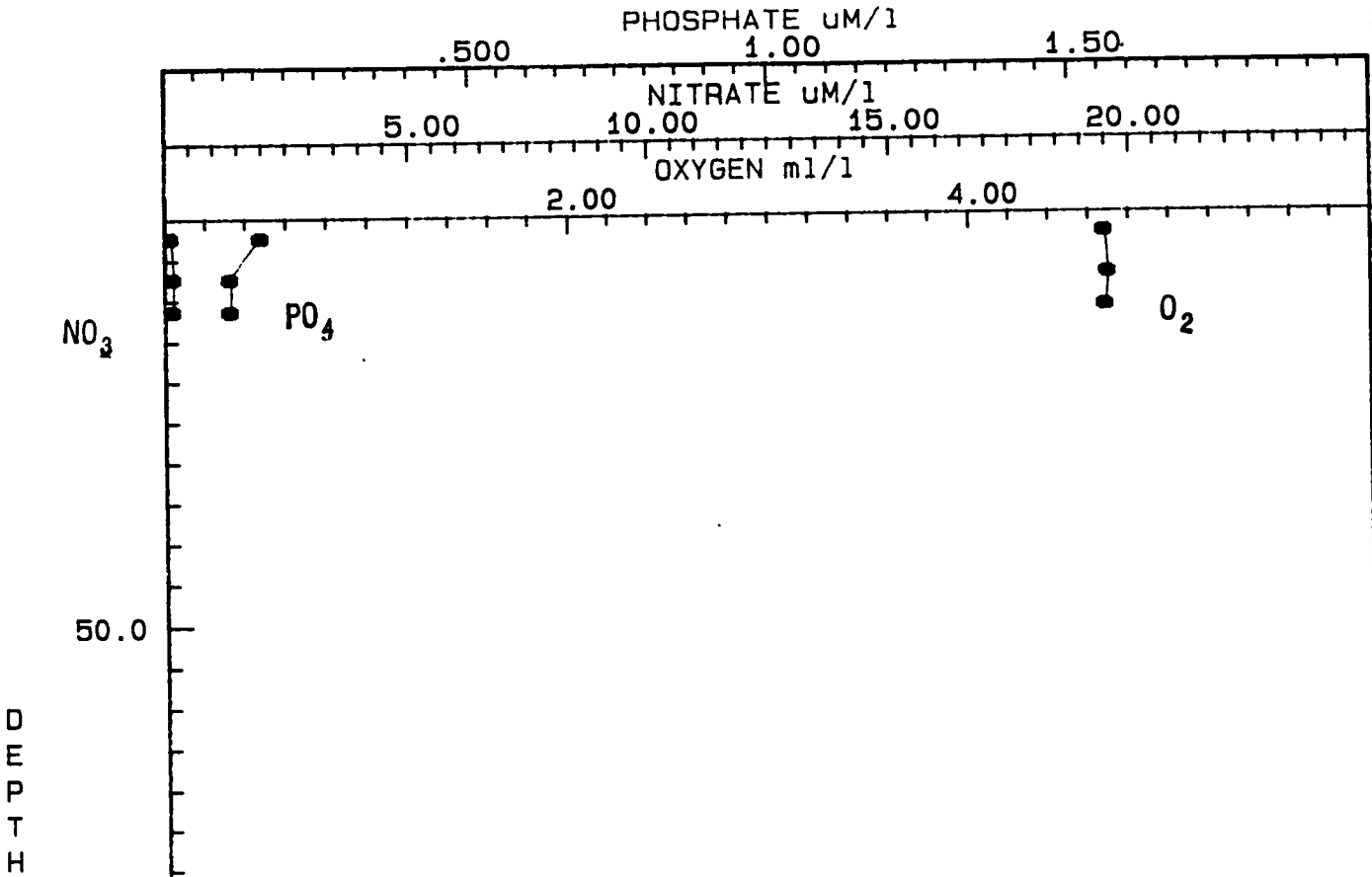
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.03	.55	-----	29.837	4.783	.05	.14	3.89	.09	.01	0.0
7	----	29.07	.52	-----	29.872	4.610	.10	.15	4.22	.18	.01	.0
14	----	28.88	.34	-----	31.883	2.626	.33	.50	19.20	.26	.04	.1

CRUISE 90G10 STATION B90G10+59*1 DATE 17JUL90 GMT 1259 LATITUDE 29 9.5 LONGITUDE 92 45.3

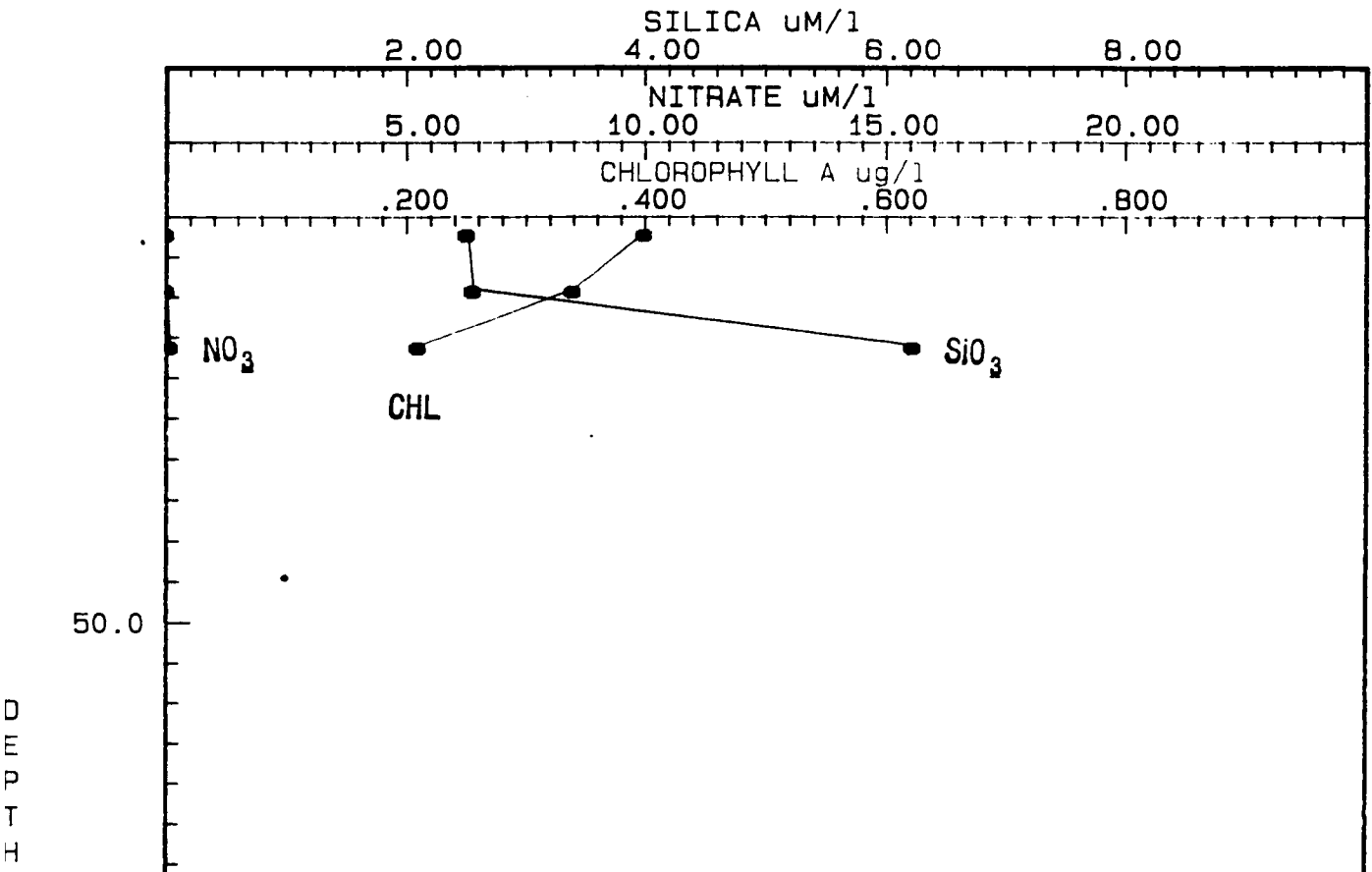
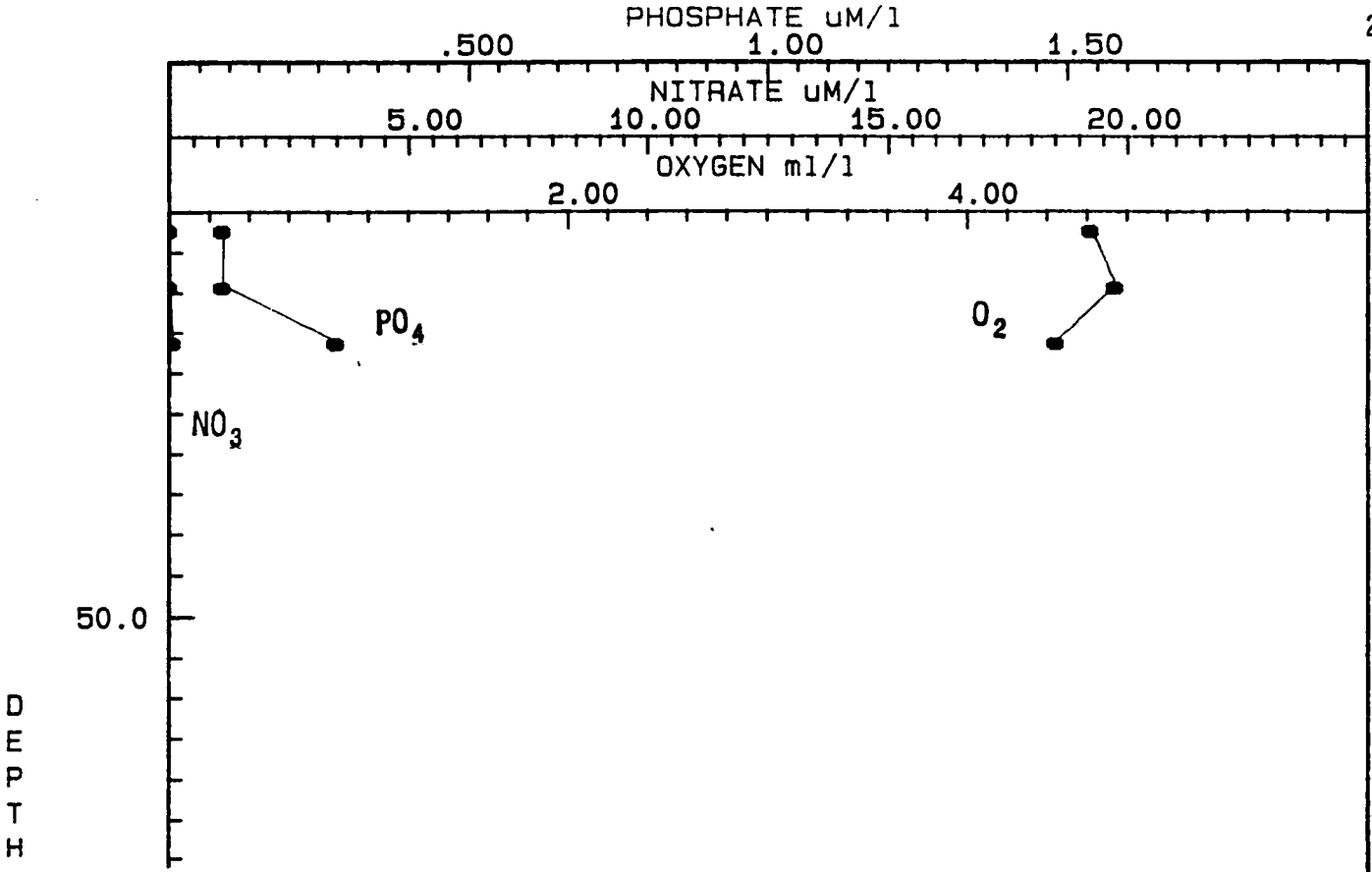
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.34	.50	-----	24.777	4.802	.21	.23	4.50	0.90	0.00	.0
10	----	29.62	.37	-----	26.513	4.981	.16	.23	3.10	.09	.01	.0
18	----	28.70	.31	-----	31.112	2.554	.40	.25	15.50	2.93	1.91	.0

CRUISE 90G10 STATION B90G10+60*1 DATE 17JUL90 GMT 0532 LATITUDE 29 6.7 LONGITUDE 92 28.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.41	.69	-----	24.107	4.629	.43	.10	6.95	.04	.01	.2
9	----	29.90	.35	-----	29.159	4.906	.25	.18	7.12	.63	.17	.2
16	----	26.98	.37	-----	34.987	.703	.08	1.08	55.30	10.40	.24	.5

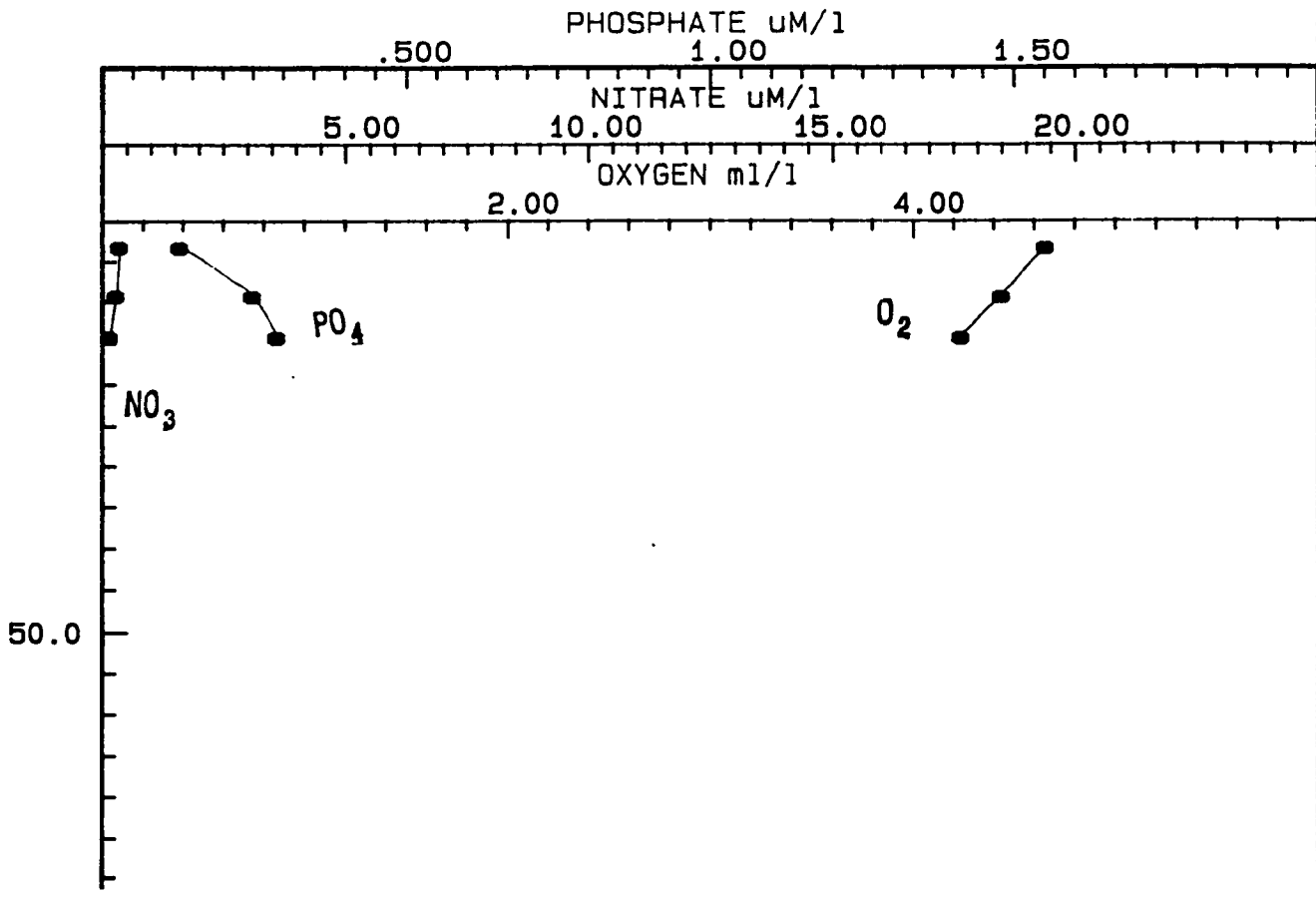


CRUISE: 90G10 STATION: B90G10*55*1 DATE: 16JUL90
LATITUDE: 29 9.5 LONGITUDE: 94 15.4

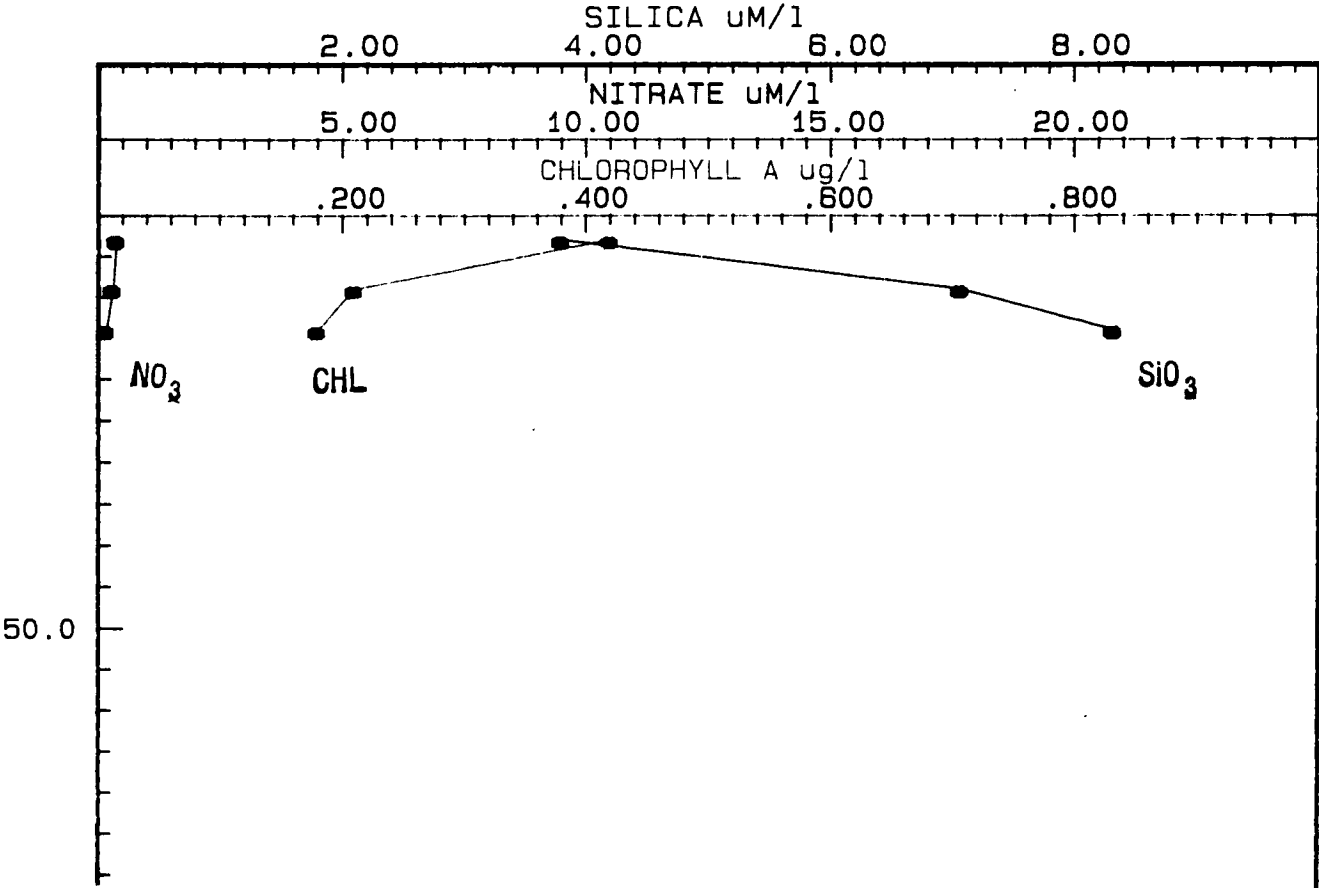


CRUISE: 90G10 STATION: B90G10*56*1 DATE: 18JUL90
LATITUDE: 29 5.8 LONGITUDE: 93 57.8

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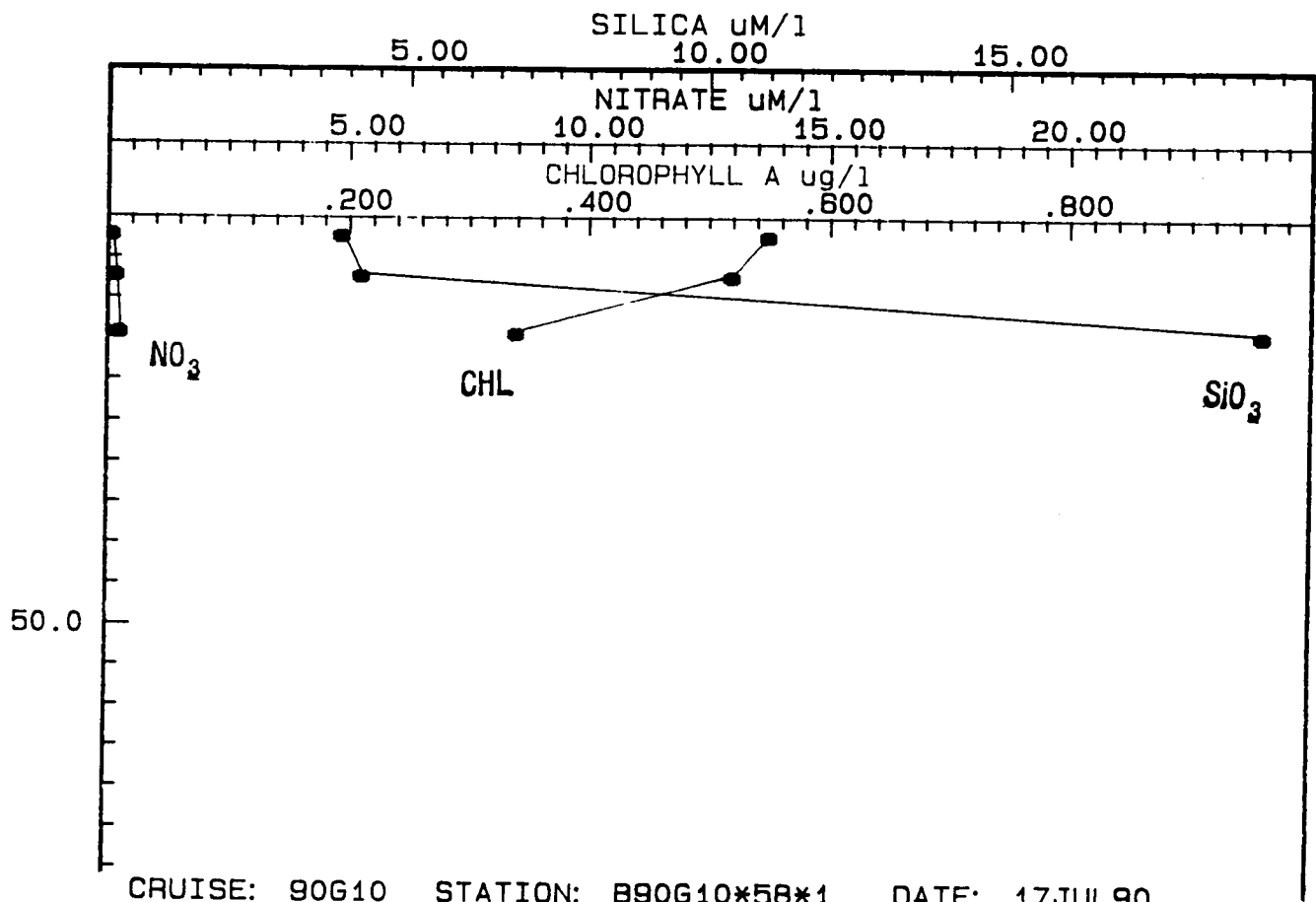
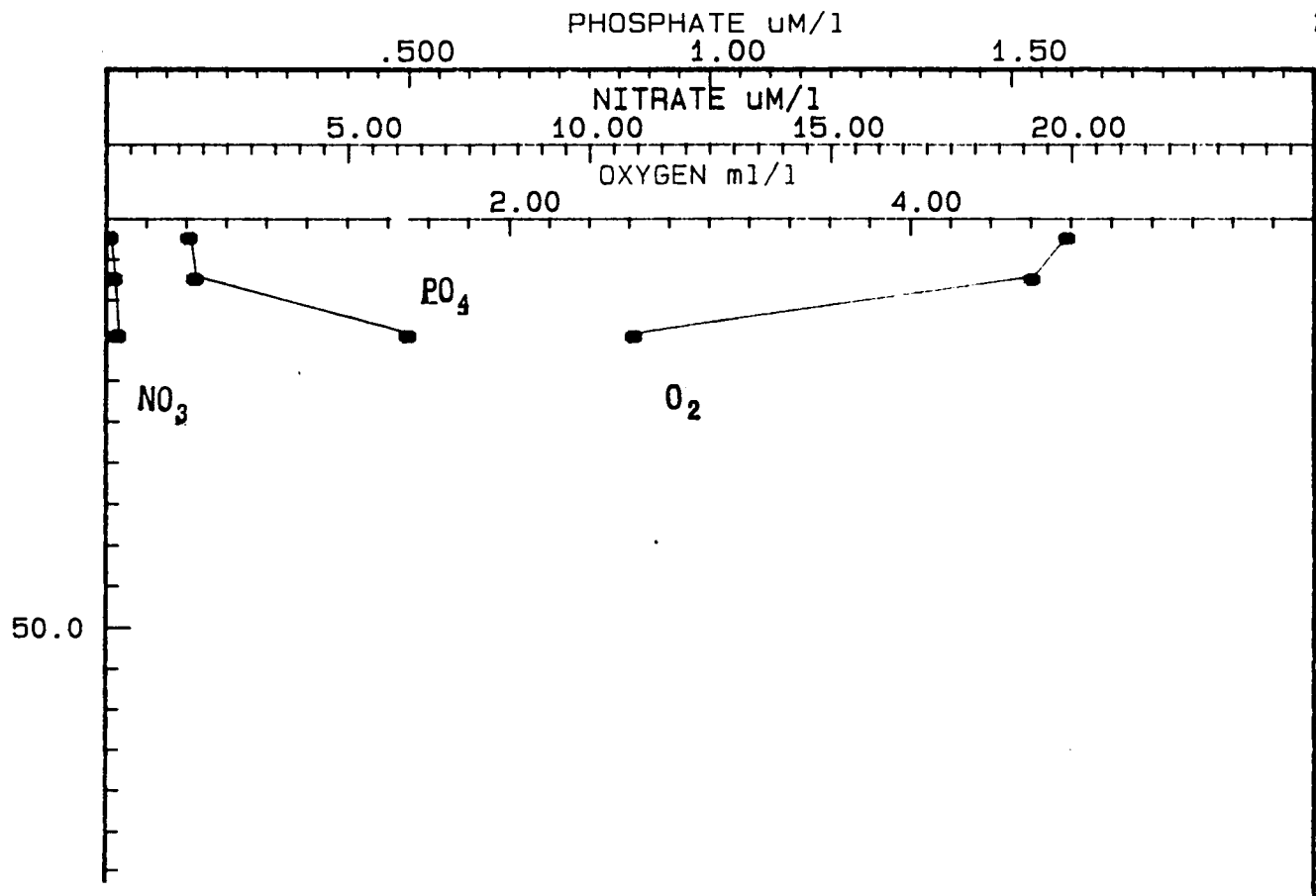


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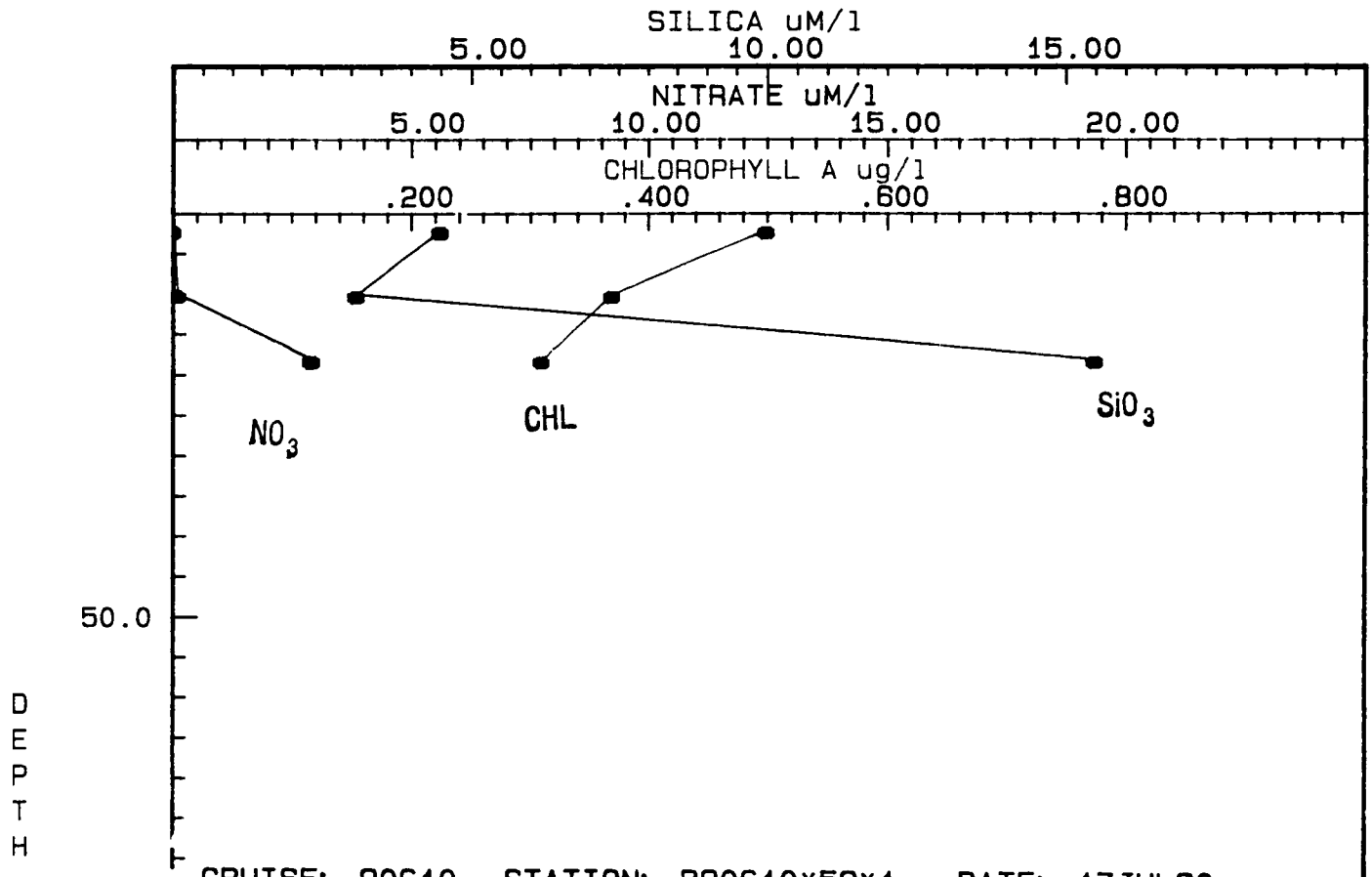
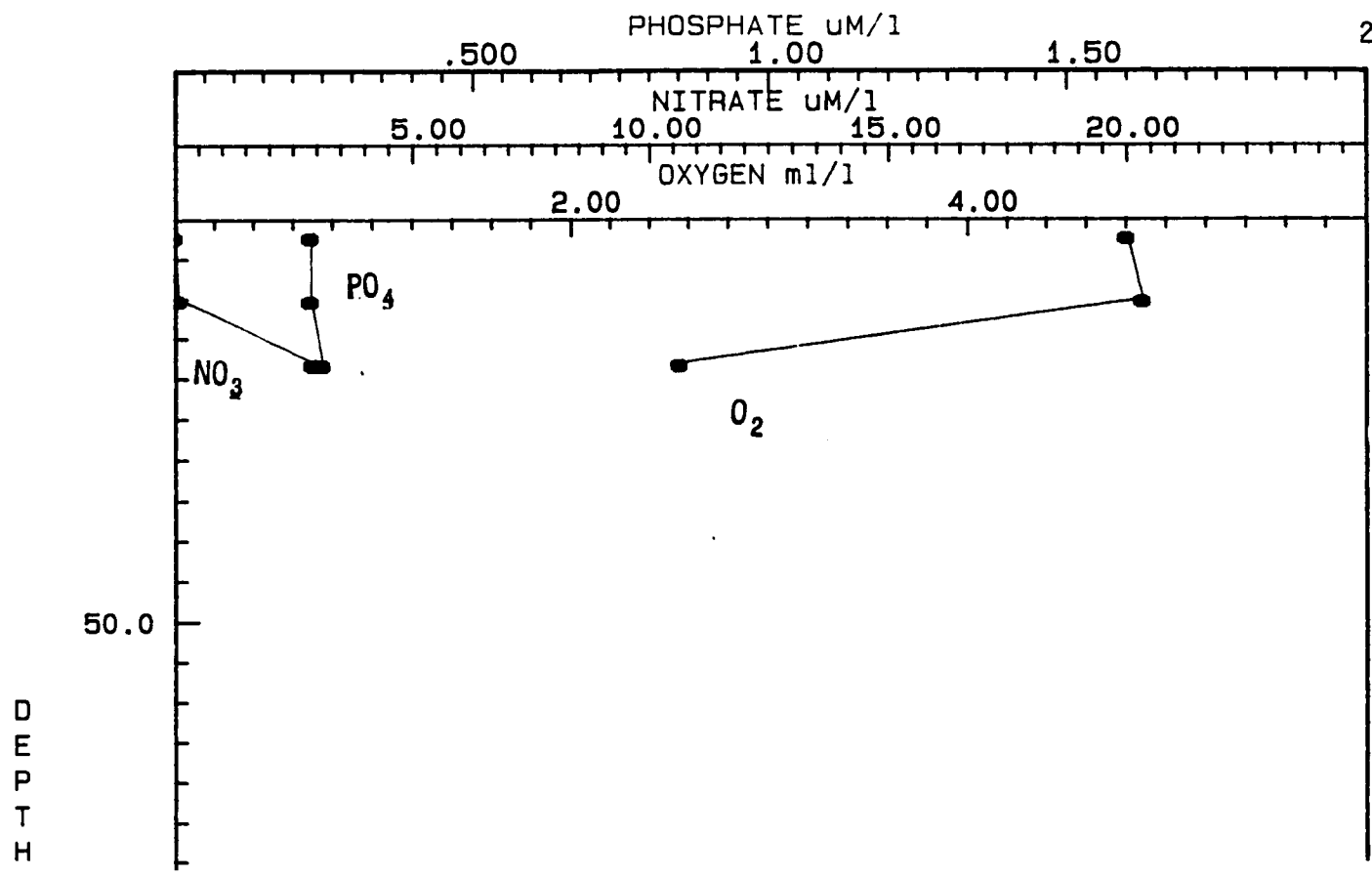


CRUISE: 90G10 STATION: B90G10*57*1 DATE: 16JUL90
LATITUDE: 29 8.2 LONGITUDE: 93 34.4

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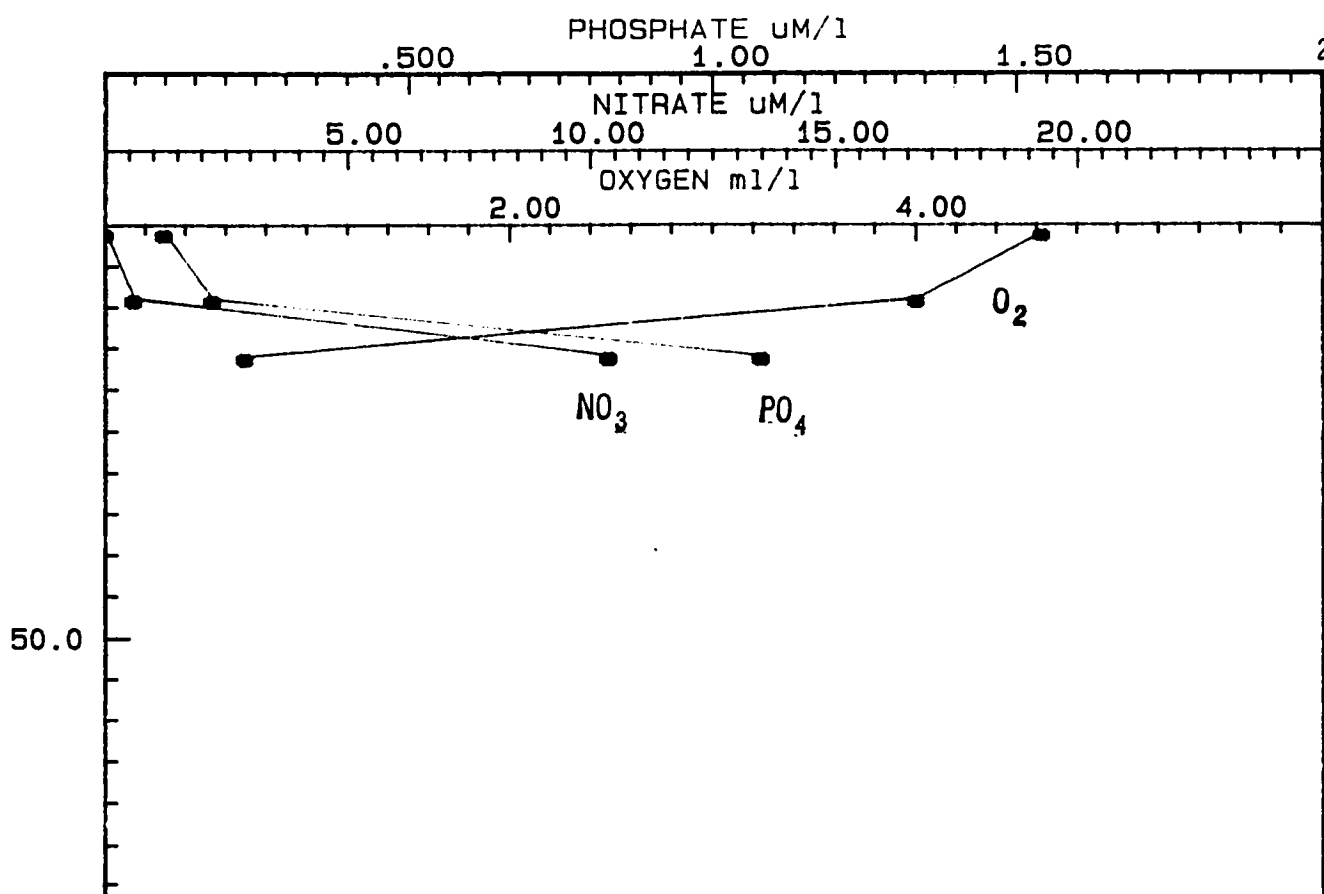


CRUISE: 90G10 STATION: B90G10*58*1 DATE: 17JUL90
 LATITUDE: 29 9.9 LONGITUDE: 93 10.8

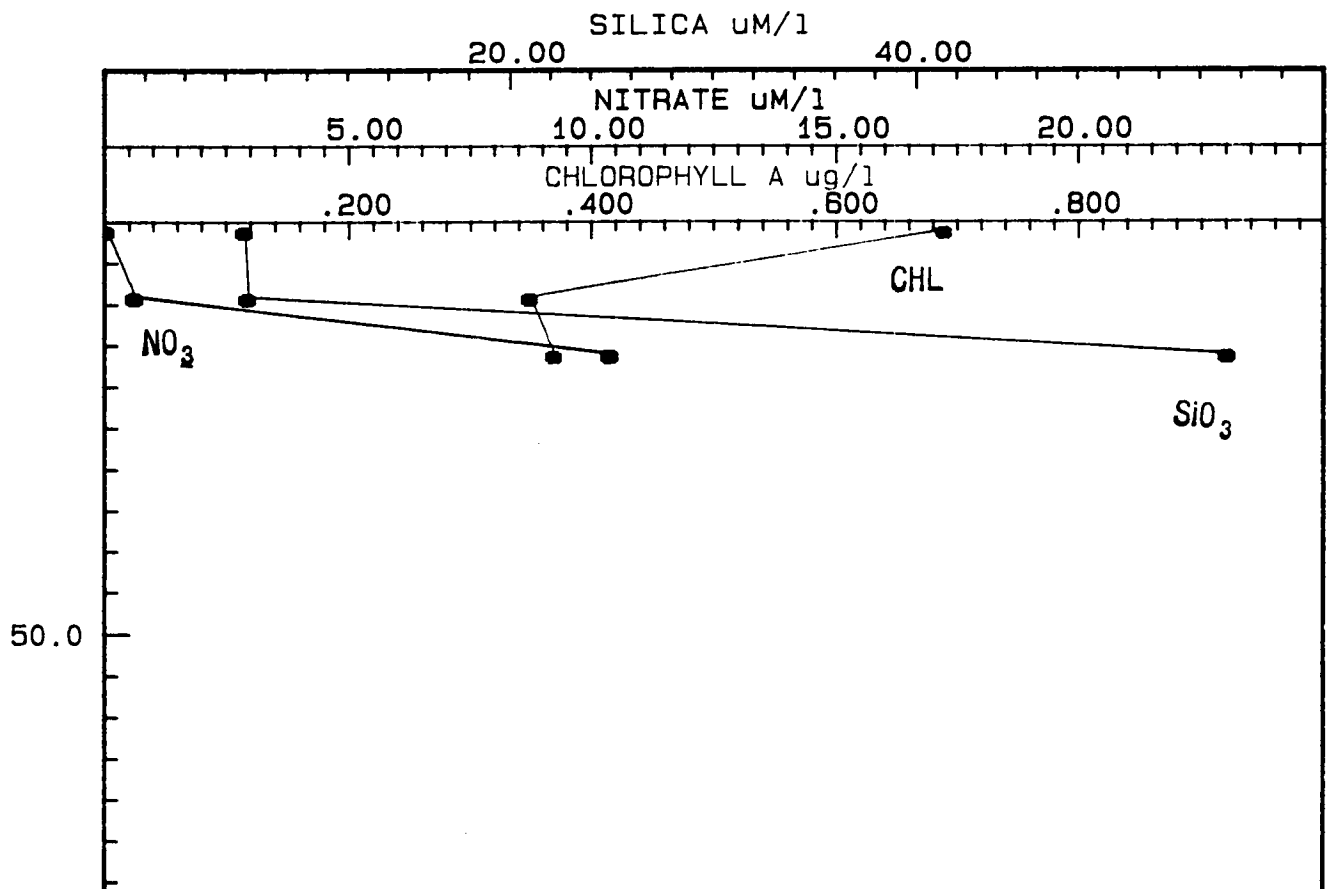


CRUISE: 90G10 STATION: B90G10*59*1 DATE: 17JUL90
LATITUDE: 29 9.5 LONGITUDE: 92 49.3

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CRUISE: 90G10 STATION: B90G10*80*1 DATE: 17JUL80
LATITUDE: 29 8.7 LONGITUDE: 92 28.4

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION E90G10*61*1 DATE 17JUL90 GMT 0919 LATITUDE 29 1.4 LONGITUDE 90 6.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.49	2.25	-----	24.631	4.428	.40	.19	7.72	.24	.08	.1
9	----	27.60	.50	-----	34.923	1.952	0.00	.87	38.20	8.21	1.16	.2
16	----	26.54	.63	-----	35.646	1.464	.05	1.09	42.90	5.35	5.88	.5

CRUISE 90G10 STATION B90G10*62*1 DATE 17JUL90 GMT 0950 LATITUDE 29 3.7 LONGITUDE 91 23.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.74	1.53	-----	24.513	4.225	.82	.25	7.72	.19	.17	.1
7	----	30.14	.64	-----	29.602	3.201	1.28	.49	13.00	1.03	.68	.1
13	----	27.98	1.42	-----	34.916	1.268	2.13	1.94	62.90	4.88	3.89	.3

CRUISE 90G10 STATION B90G10*63*1 DATE 17JUL90 GMT 1115 LATITUDE 29 3.7 LONGITUDE 91 39.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.28	4.10	-----	15.502	3.295	5.73	.48	32.00	6.74	1.18	.8
6	----	28.11	.66	-----	29.493	1.590	19.5	4.43	61.60	1.08	.44	1.3

CRUISE 90G10 STATION B90G10*64*1 DATE 1200 GMT 1200 LATITUDE 28 58.0 LONGITUDE 91 45.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.34	2.74	-----	19.027	4.603	1.56	.15	8.76	1.47	.17	.4
8	----	28.54	.34	-----	31.073	1.262	4.10	1.68	40.60	4.60	3.04	.6
15	----	27.04	.20	-----	34.876	1.379	2.04	2.14	67.80	12.30	1.71	.2

CRUISE 90G10 STATION B90G10*65*1 DATE 17JUL90 GMT 1324 LATITUDE 28 53.0 LONGITUDE 91 44.3

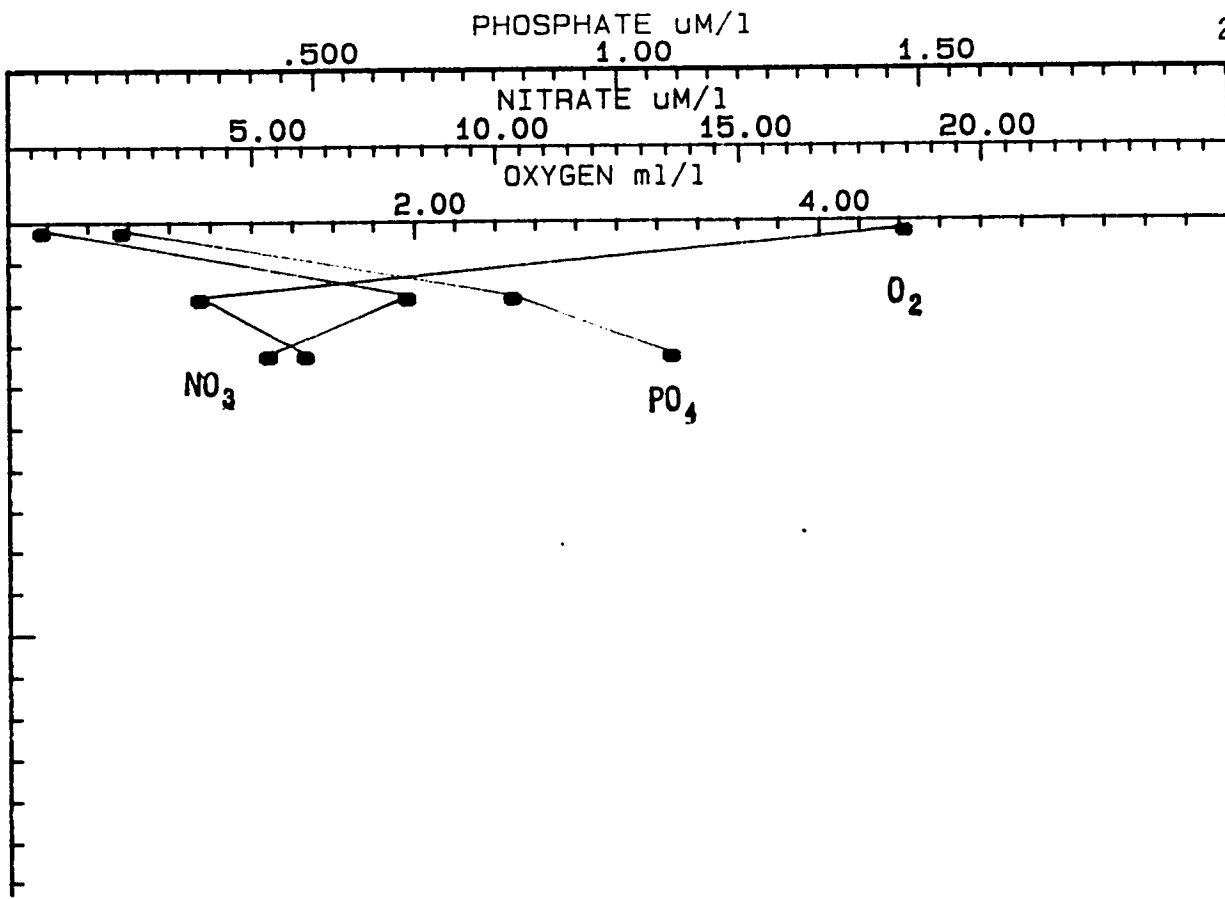
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.92	1.21	-----	23.419	4.363	.81	.11	2.70	.53	.03	.1
7	----	29.81	.68	-----	26.440	4.099	.73	.15	4.12	.39	.13	.1
12	----	28.26	.23	-----	34.693	2.241	.08	.76	29.90	4.67	1.49	.2
20	----	26.69	.21	-----	35.593	1.563	.04	1.55	63.20	15.20	.12	.3

CRUISE 90G10 STATION B90G10*66*1 DATE 17JUL90 GMT 1410 LATITUDE 29 49.0 LONGITUDE 91 46.3

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.77	.53	-----	25.106	4.557	.07	.06	2.50	.38	.02	.3
12	----	29.37	.45	-----	26.569	4.136	.19	.11	3.65	.44	.12	.2
17	----	29.31	.18	-----	31.426	3.219	.45	.19	8.01	.98	.57	.5
25	----	26.19	.24	-----	35.190	3.724	.40	.25	9.45	1.80	.46	.2

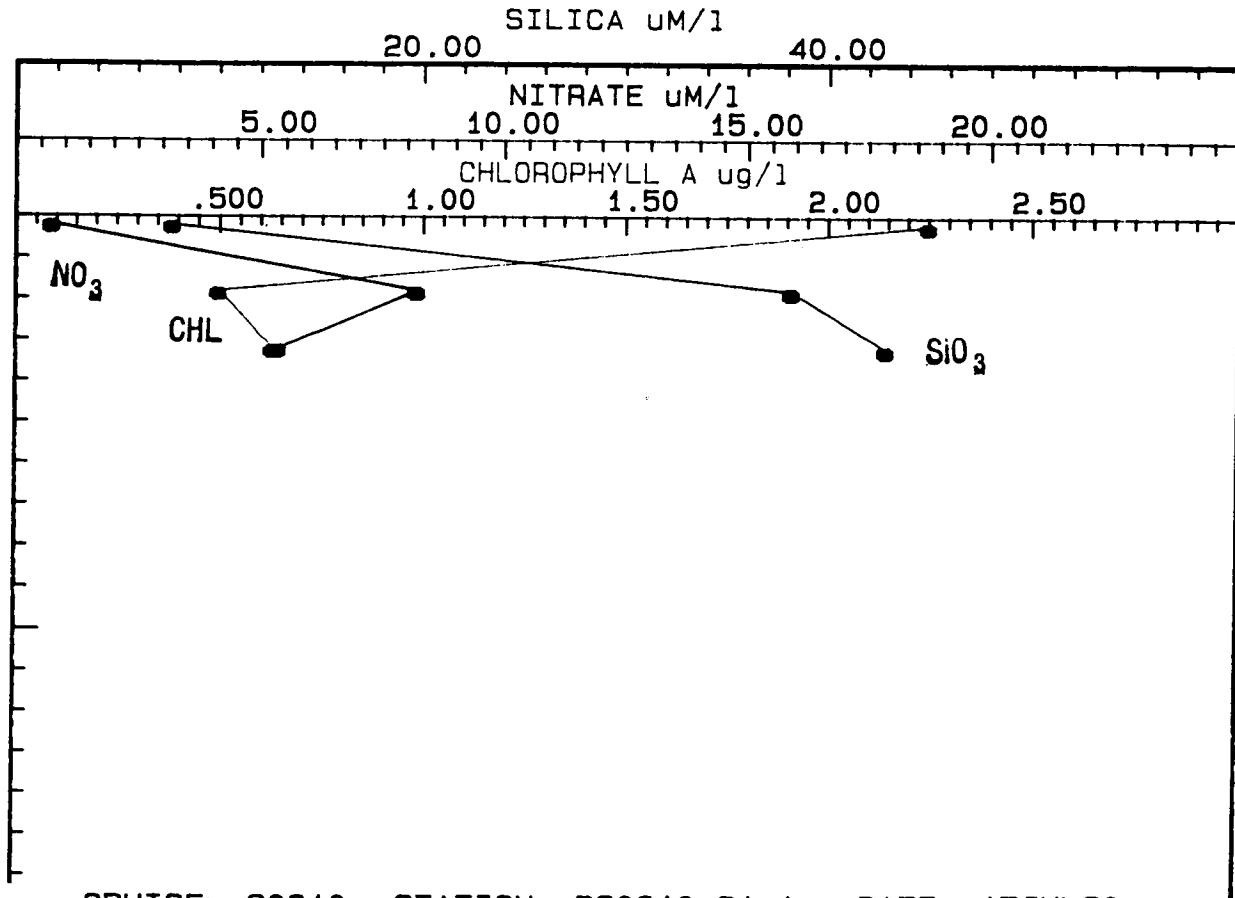
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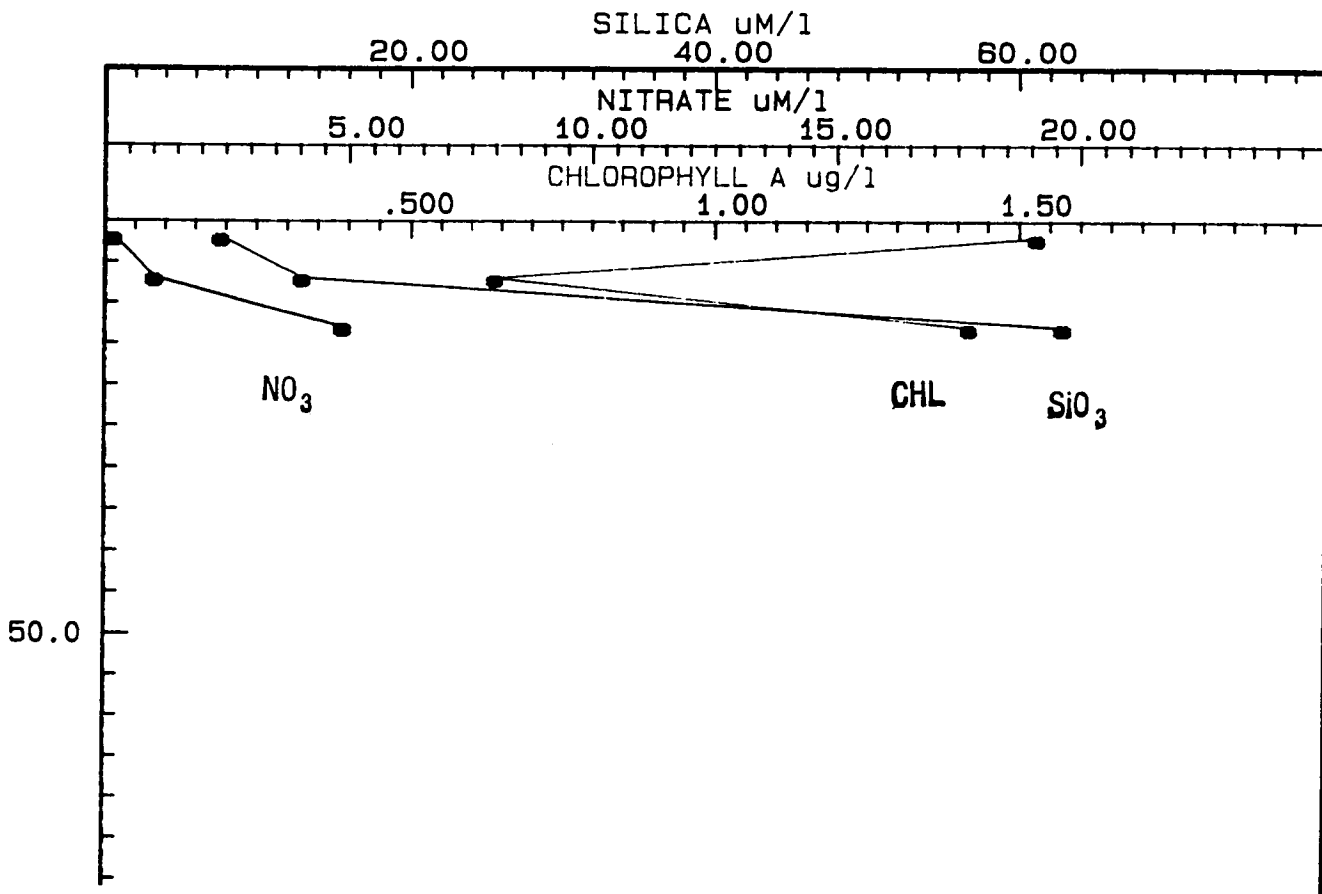
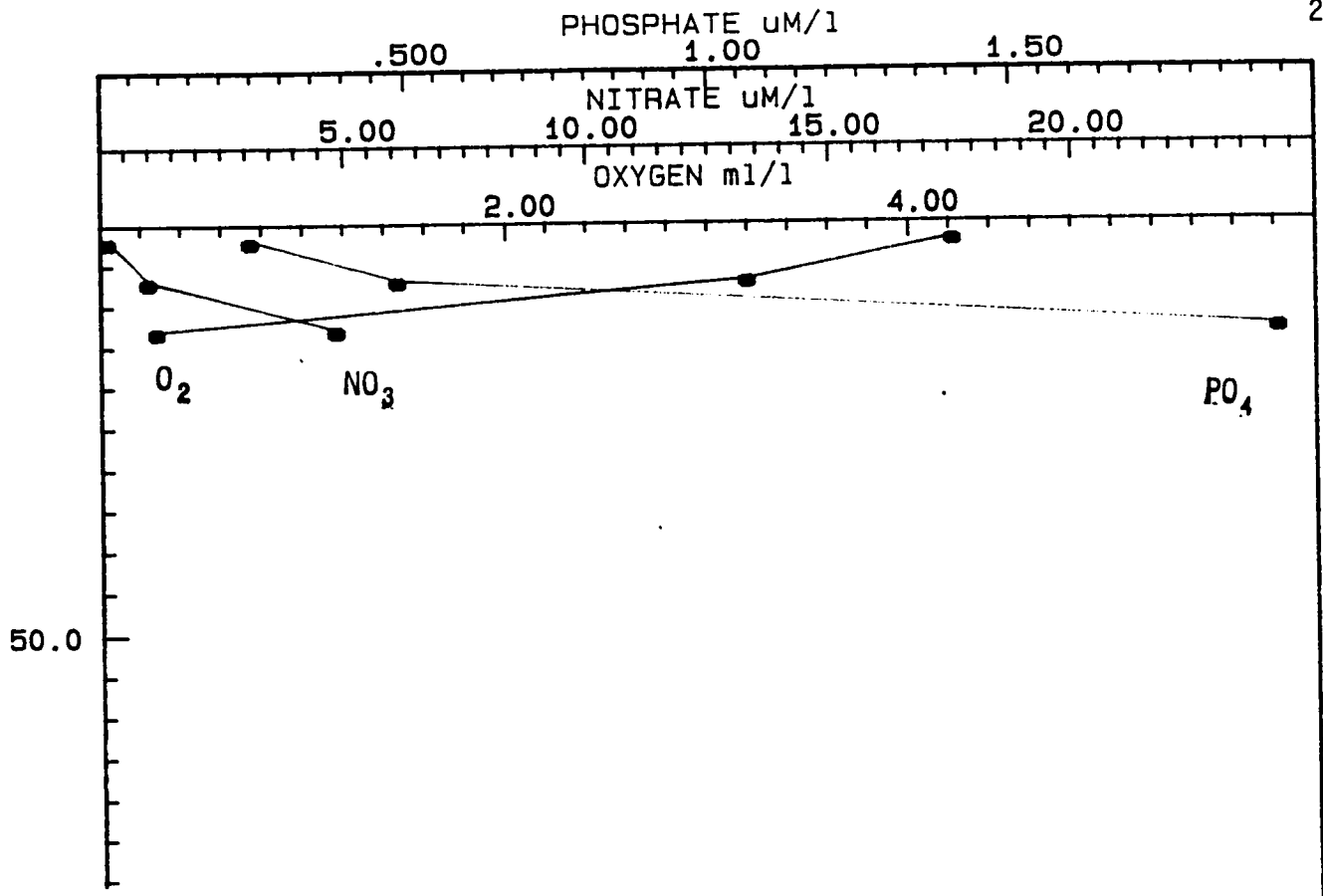
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CRUISE: 90G10 STATION: B90G10*81*1 DATE: 17JUL90
 LATITUDE: 29 1.4 LONGITUDE: 92 6.1

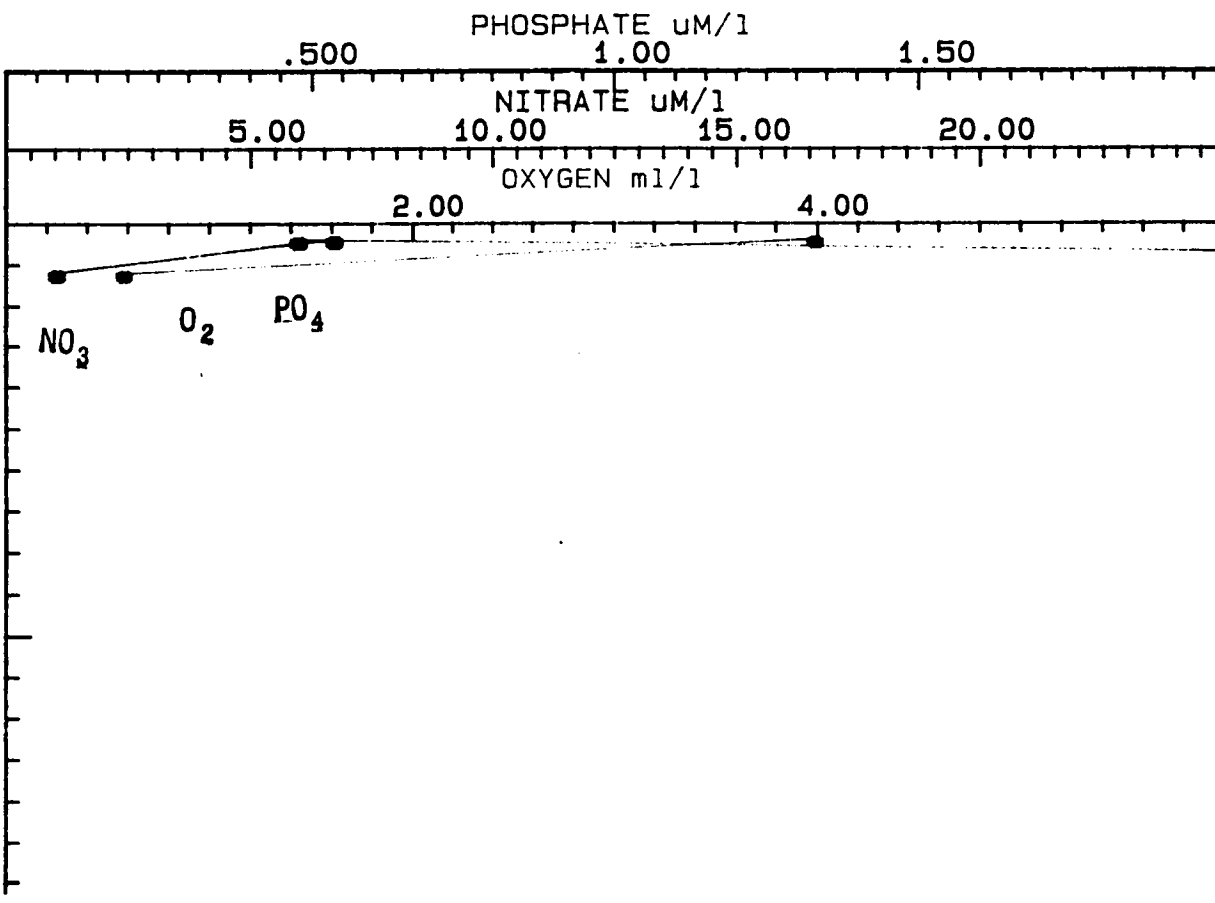
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CRUISE: 90G10 STATION: B90G10*82*1 DATE: 17JUL90
 LATITUDE: 29 3.7 LONGITUDE: 91 53.0

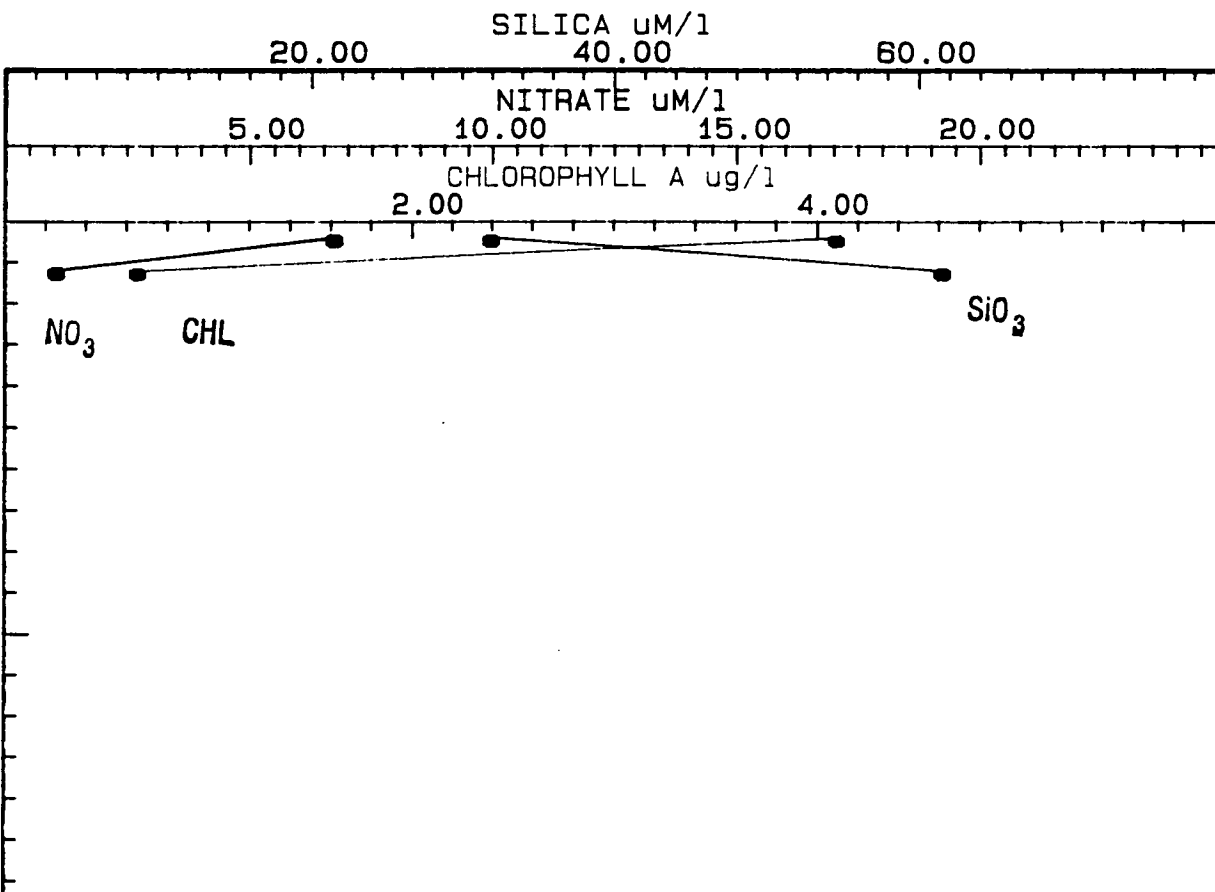
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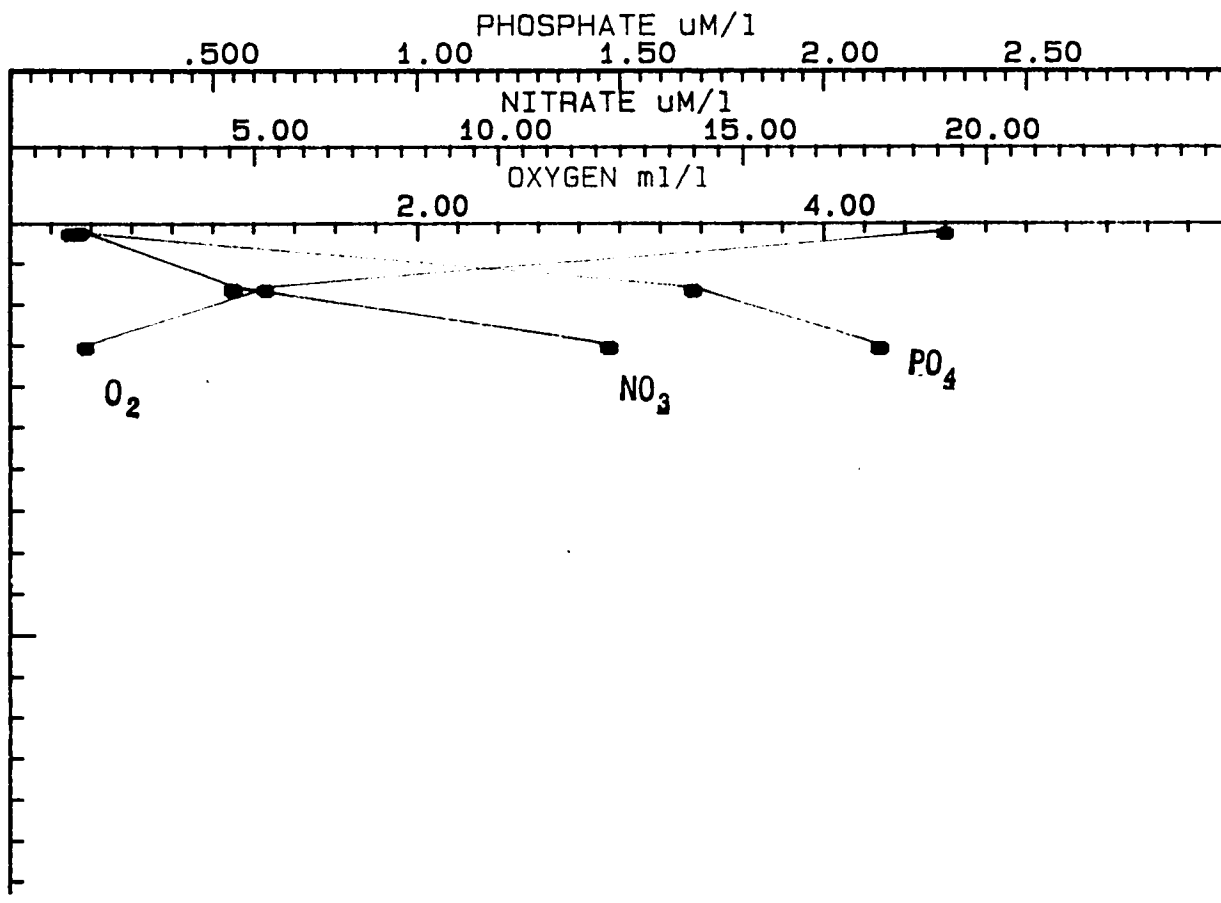
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CRUISE: 90G10 STATION: B90G10*83*1 DATE: 17JUL90
 LATITUDE: 29 3.3 LONGITUDE: 91 39.4

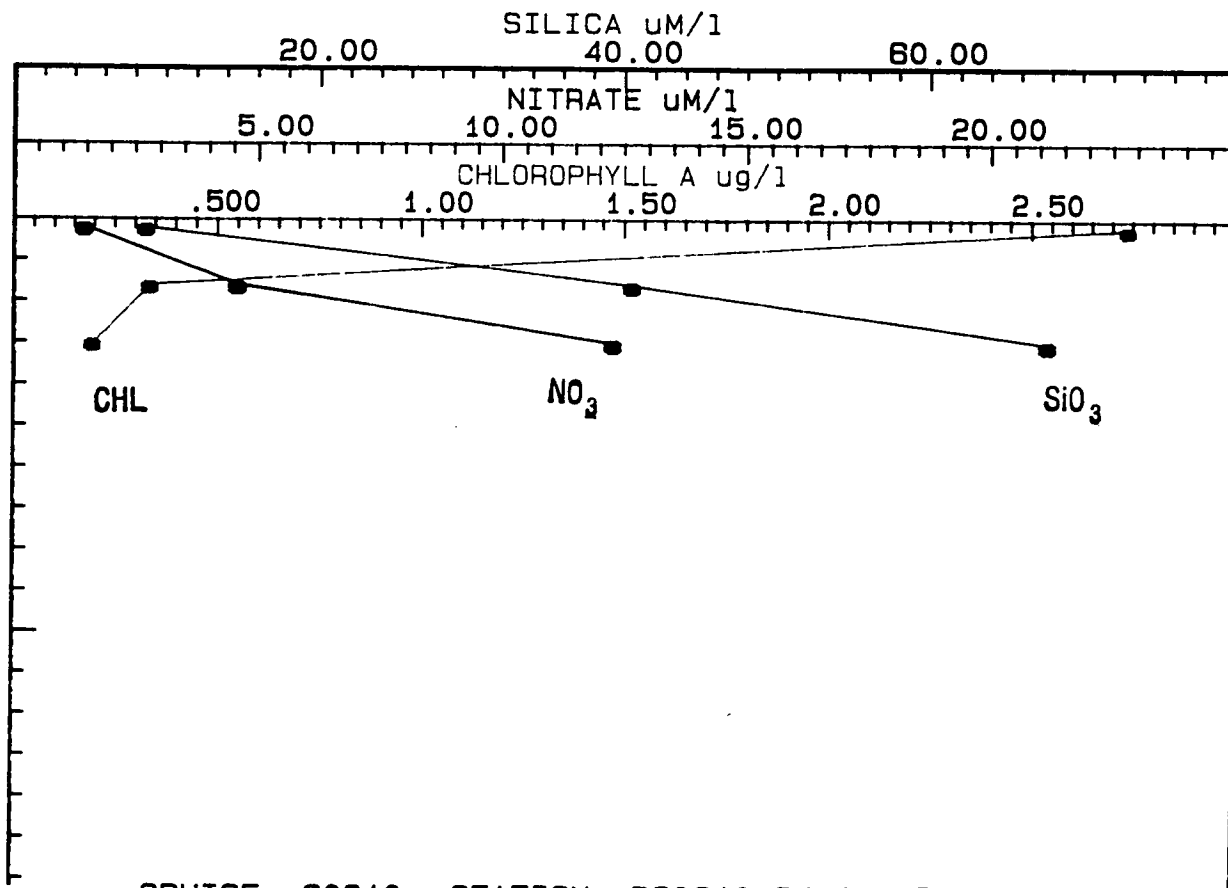
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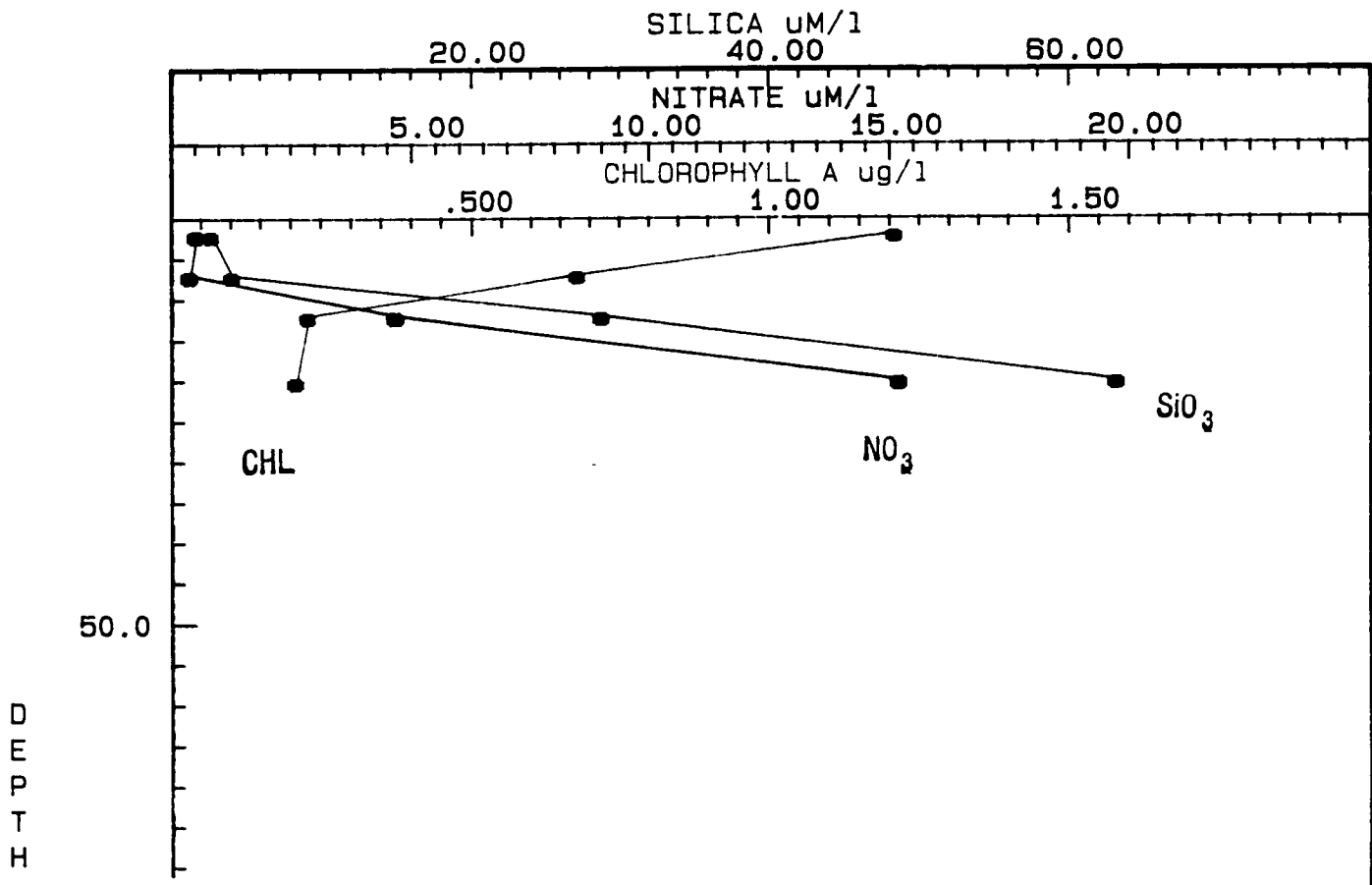
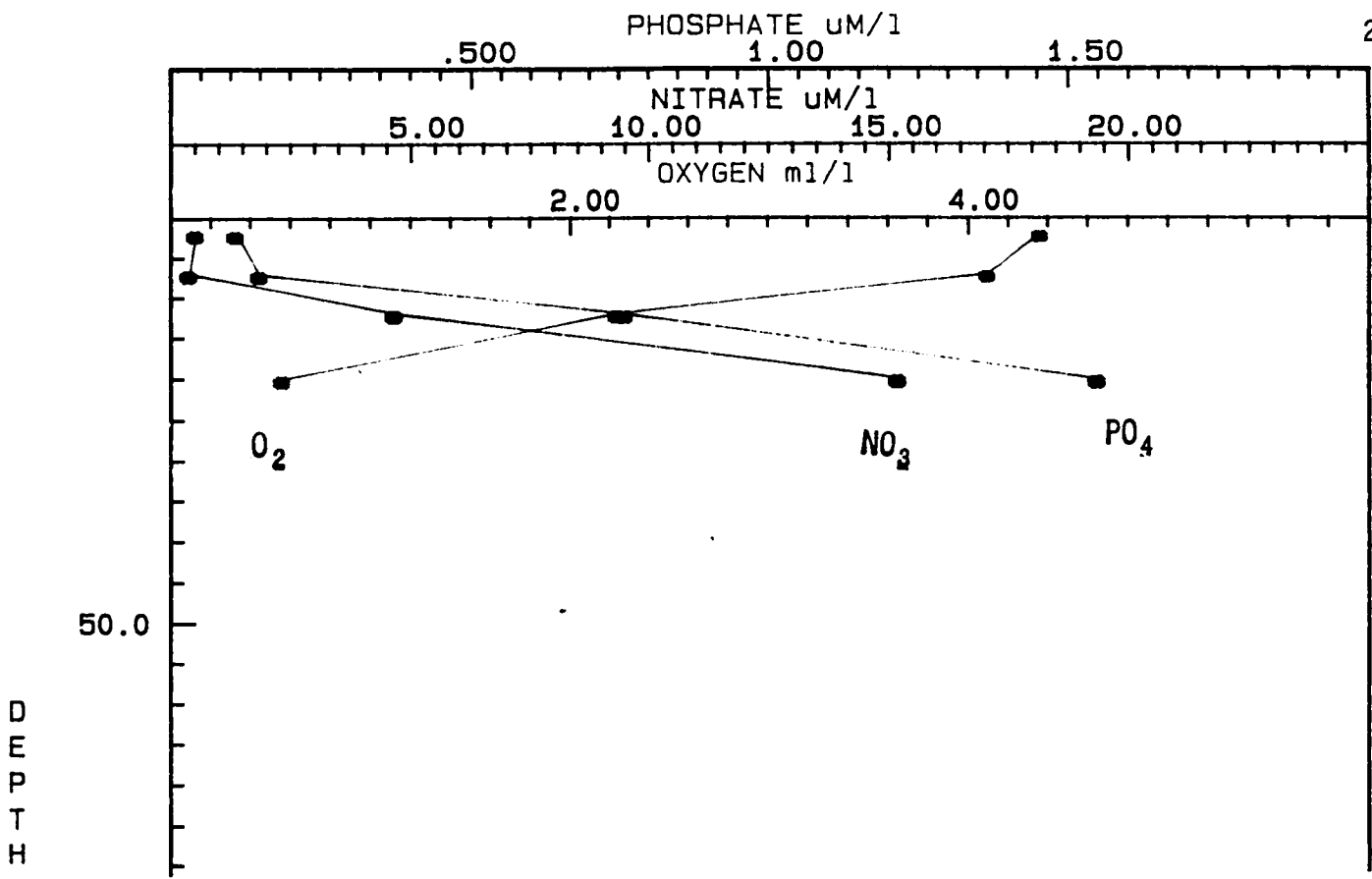


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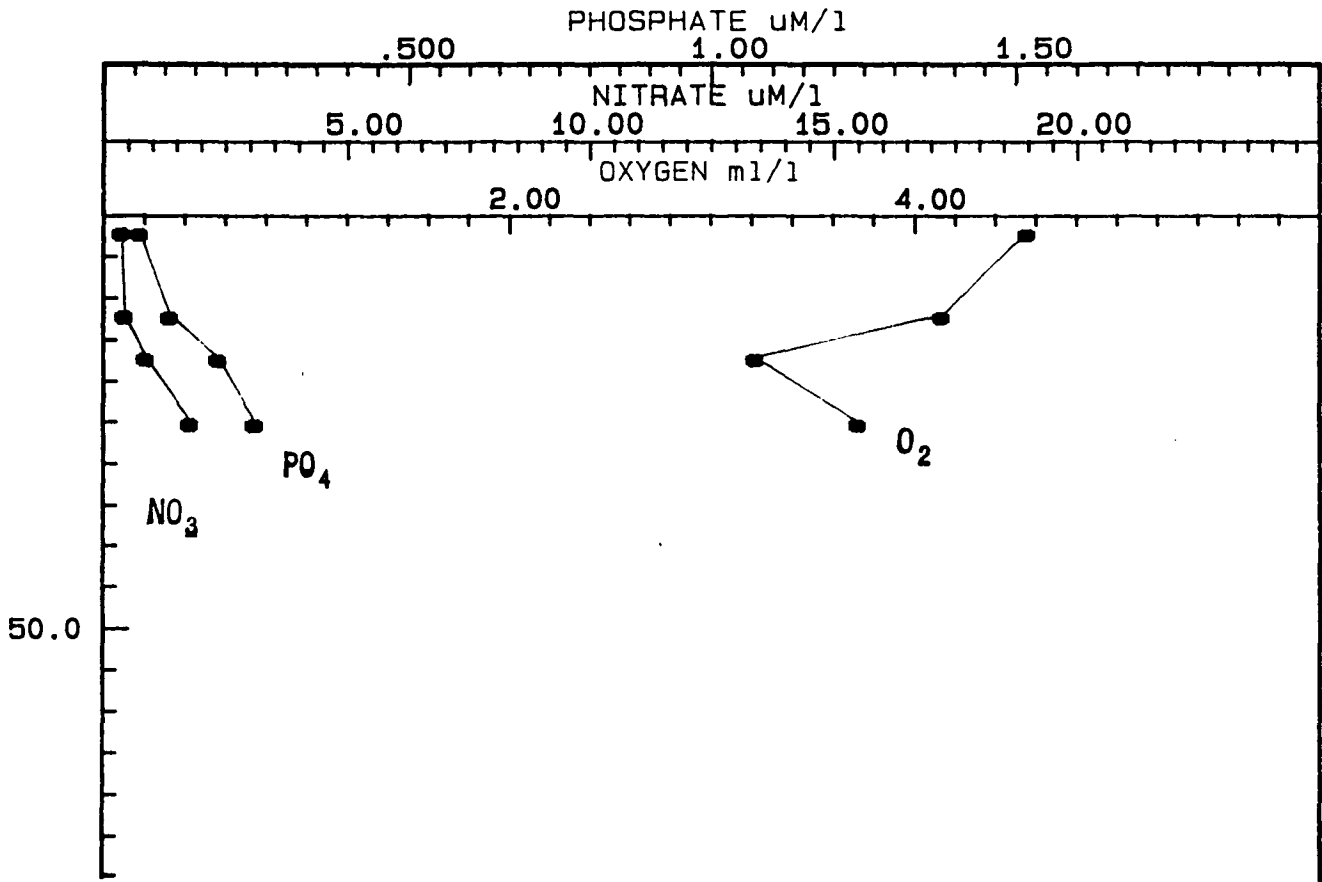


CRUISE: 90G10 STATION: B90G10*84*1 DATE: 1200
 LATITUDE: 28 58.0 LONGITUDE: 91 45.1

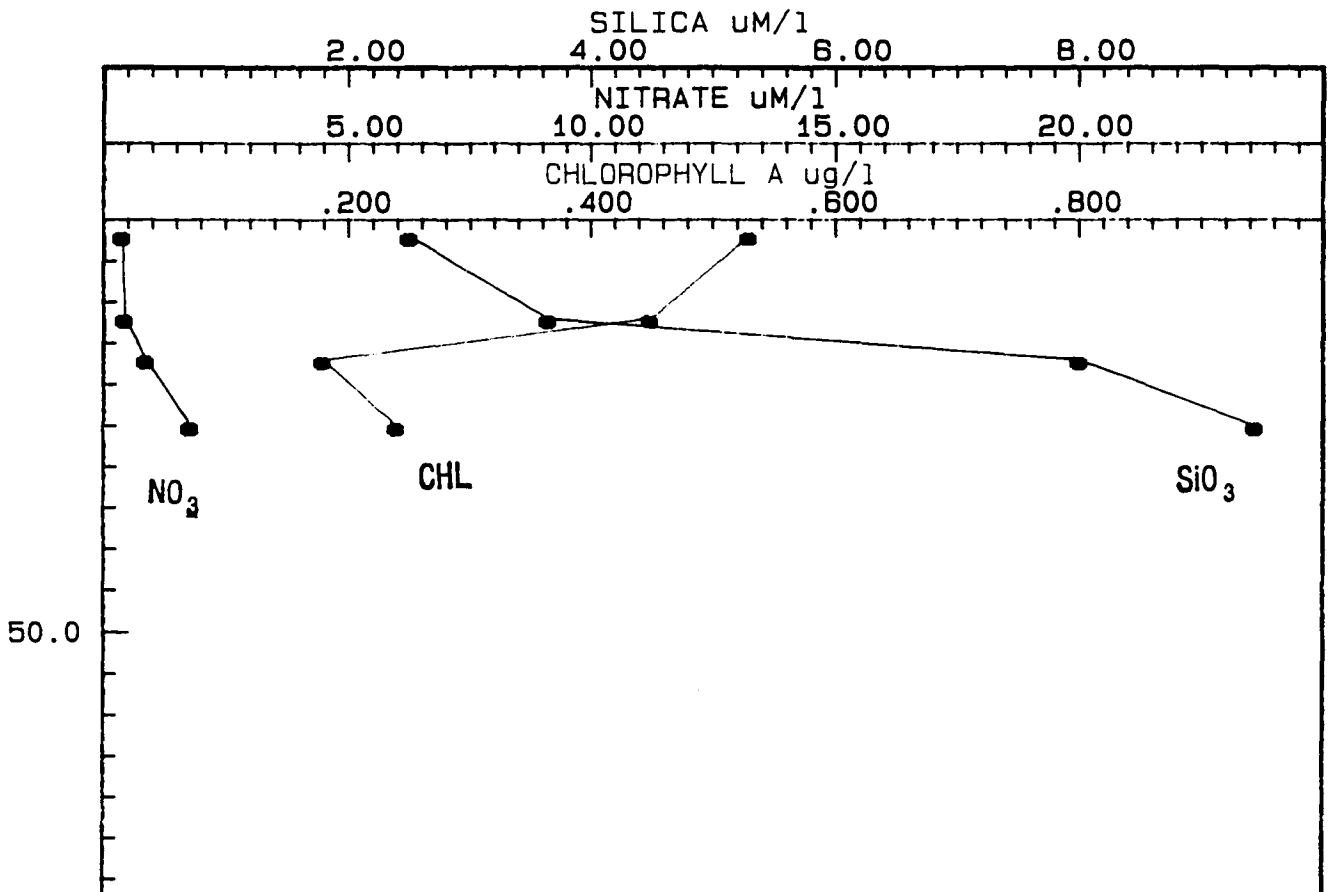


CRUISE: 90G10 STATION: B90G10*85*1 DATE: 17JUL90
LATITUDE: 28 53.0 LONGITUDE: 91 44.3

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CRUISE: 90G10 STATION: B90G10*88*1 DATE: 17JUL90
LATITUDE: 28 49.0 LONGITUDE: 91 48.3

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*67*1 DATE 17JUL90 GMT 1452 LATITUDE 29 45.7 LONGITUDE 91 47.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE
1	----	28.78	0.00	-----	25.703	4.625	.05	.04	2.15	.37	.02	.1
7	----	28.71	0.00	-----	27.202	4.064	.22	.06	3.53	.37	.23	.1
11	----	29.51	.06	-----	30.710	3.012	.42	.12	7.25	.48	.89	.1
17	----	28.27	.09	-----	35.046	4.052	.37	.06	5.00	.28	.06	.1
27	----	25.98	.09	-----	35.608	3.797	.56	.24	10.70	1.04	.99	.2

CRUISE 90G10 STATION B90G10*69*1 DATE 18JULY90 GMT 0315 LATITUDE 29 40.1 LONGITUDE 91 50.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE
3	----	28.79	1.26	-----	27.412	4.766	.09	.08	2.07	.21	.01	.2
22	----	27.89	.38	-----	35.172	4.363	.73	.08	3.69	.01	.03	.2
33	----	25.11	.31	-----	35.911	3.960	.17	.16	7.35	.10	1.23	.5

CRUISE 90G10 STATION B90G10*68*1 DATE 18JULY90 GMT 0410 LATITUDE 29 35.8 LONGITUDE 91 52.9

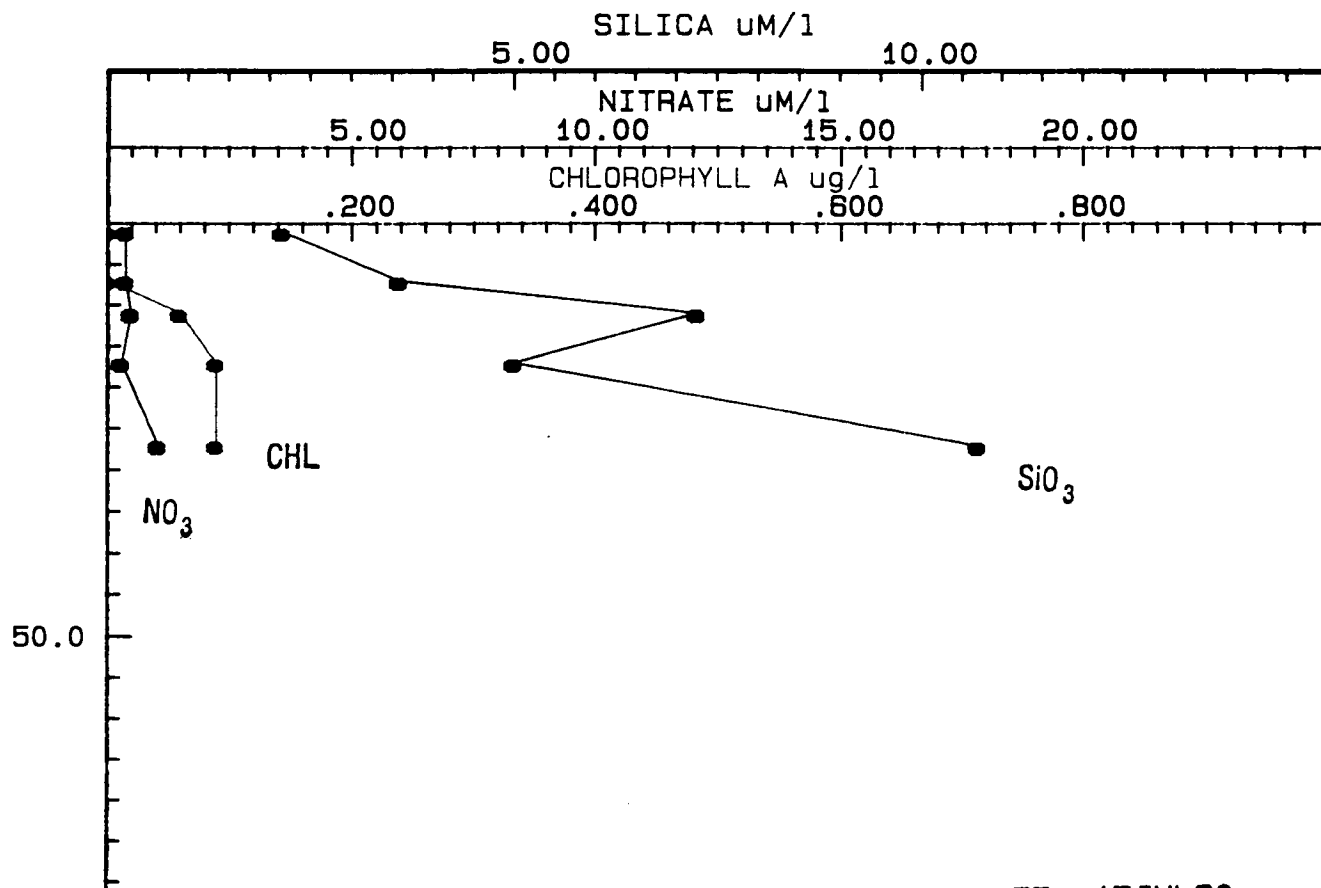
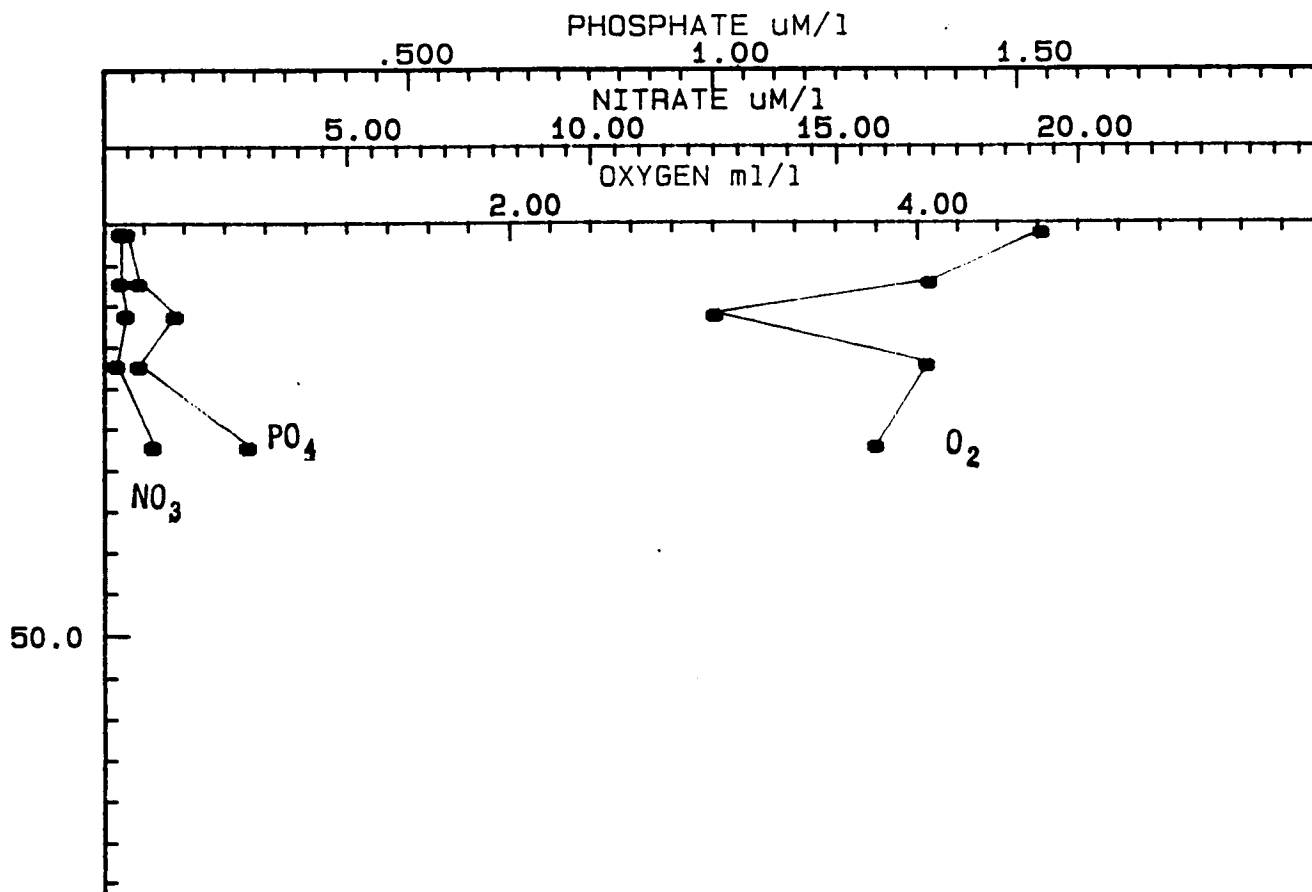
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE
3	----	28.77	.78	-----	28.789	4.716	.02	.05	2.15	.34	0.00	.1
22	----	27.67	.52	-----	35.434	4.640	.13	.09	3.68	.38	0.00	.2
37	----	24.43	.03	-----	35.973	4.694	.09	.08	4.16	.35	.26	.5

CRUISE 90G10 STATION B90G10*70*1 DATE 18JULY90 GMT 0503 LATITUDE 29 30.0 LONGITUDE 91 55.6

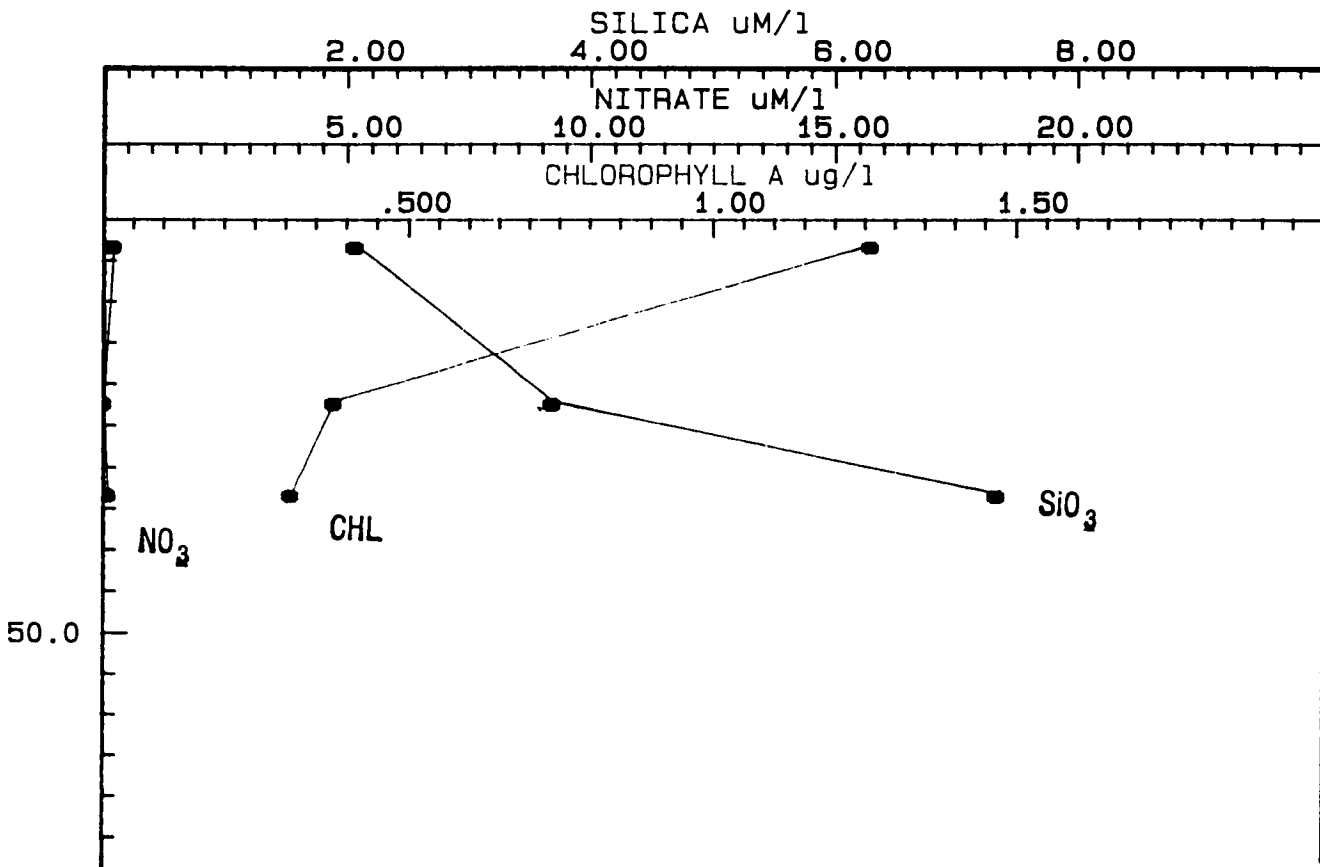
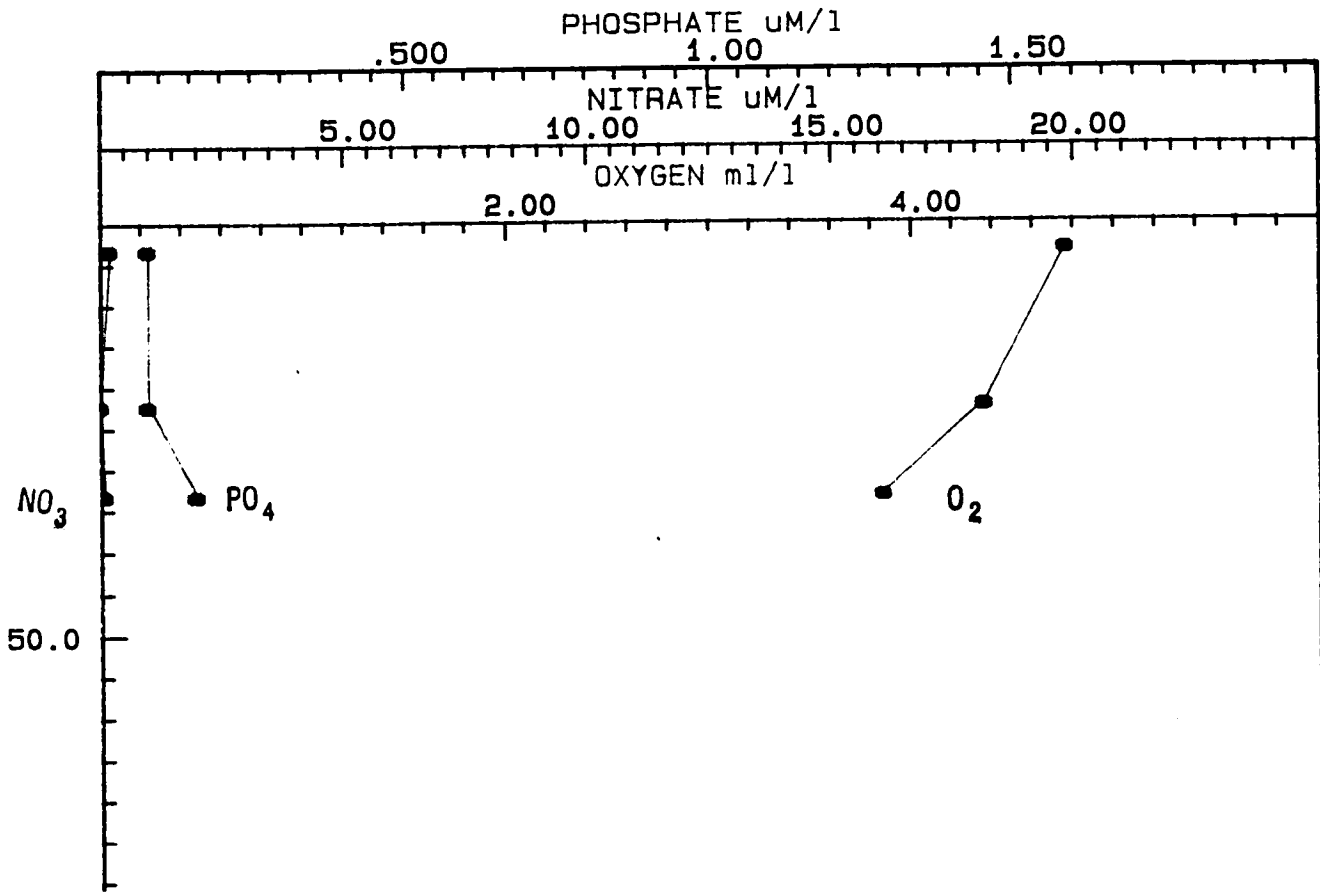
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE
3	----	28.31	.46	-----	30.873	4.664	.15	.06	2.03	.26	0.00	.4
16	----	29.55	.23	-----	34.539	4.583	.08	.04	2.99	.20	0.00	.2
30	----	25.26	.30	-----	35.892	4.917	.22	.08	3.34	.27	0.00	.7

CRUISE 90G10 STATION B90G10*72*2 DATE 18JULY90 GMT 2116 LATITUDE 28 2.5 LONGITUDE 92 10.5

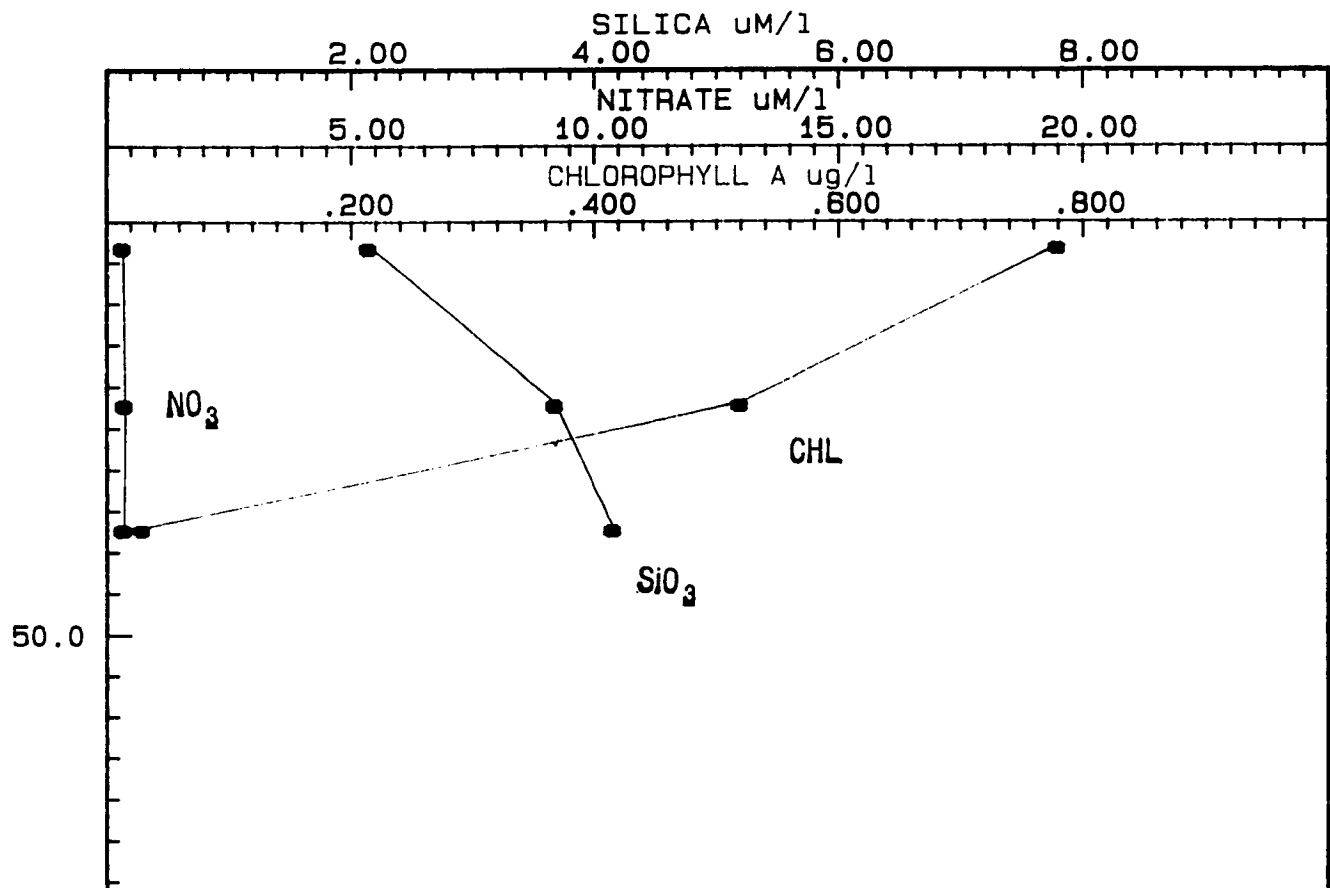
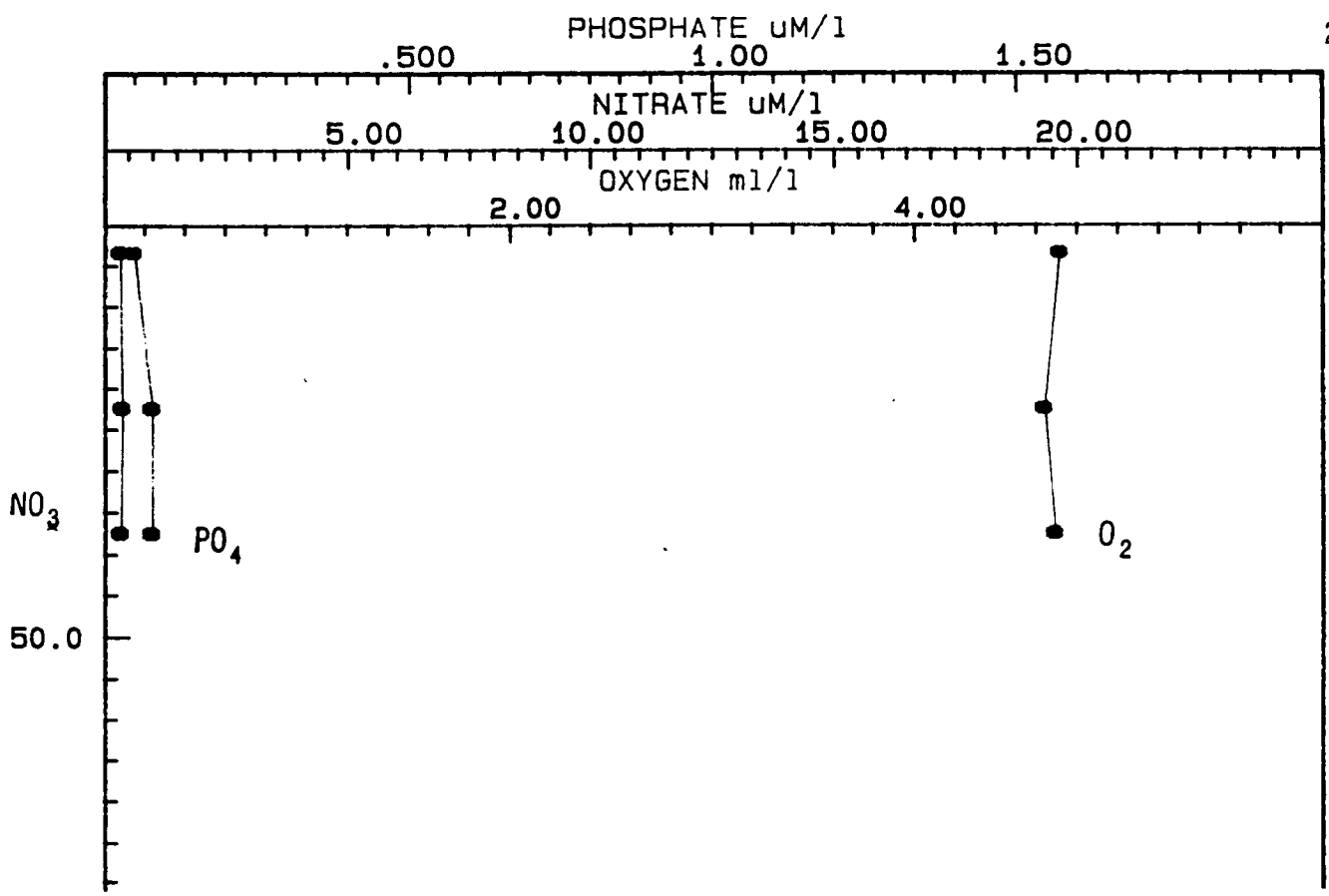
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE
2	----	29.10	.12	-----	32.598	4.718	0.00	.03	1.90	.15	.01	.1
6	----	29.11	.12	-----	32.606	4.687	.01	.05	1.91	.09	.01	.1
42	----	23.79	.35	-----	36.337	5.192	0.00	.07	2.64	.06	.01	.1
57	----	22.15	.27	-----	36.329	5.051	.02	.06	2.75	.05	.01	.1
71	----	21.00	.19	-----	36.364	4.755	.02	.10	3.12	.43	.10	.1
97	----	19.38	.16	-----	36.372	3.760	.60	.36	5.42	6.15	.09	.1



CRUISE: 90G10 STATION: B90G10*67*1 DATE: 17JUL90
LATITUDE: 28 45.3 LONGITUDE: 91 47.9

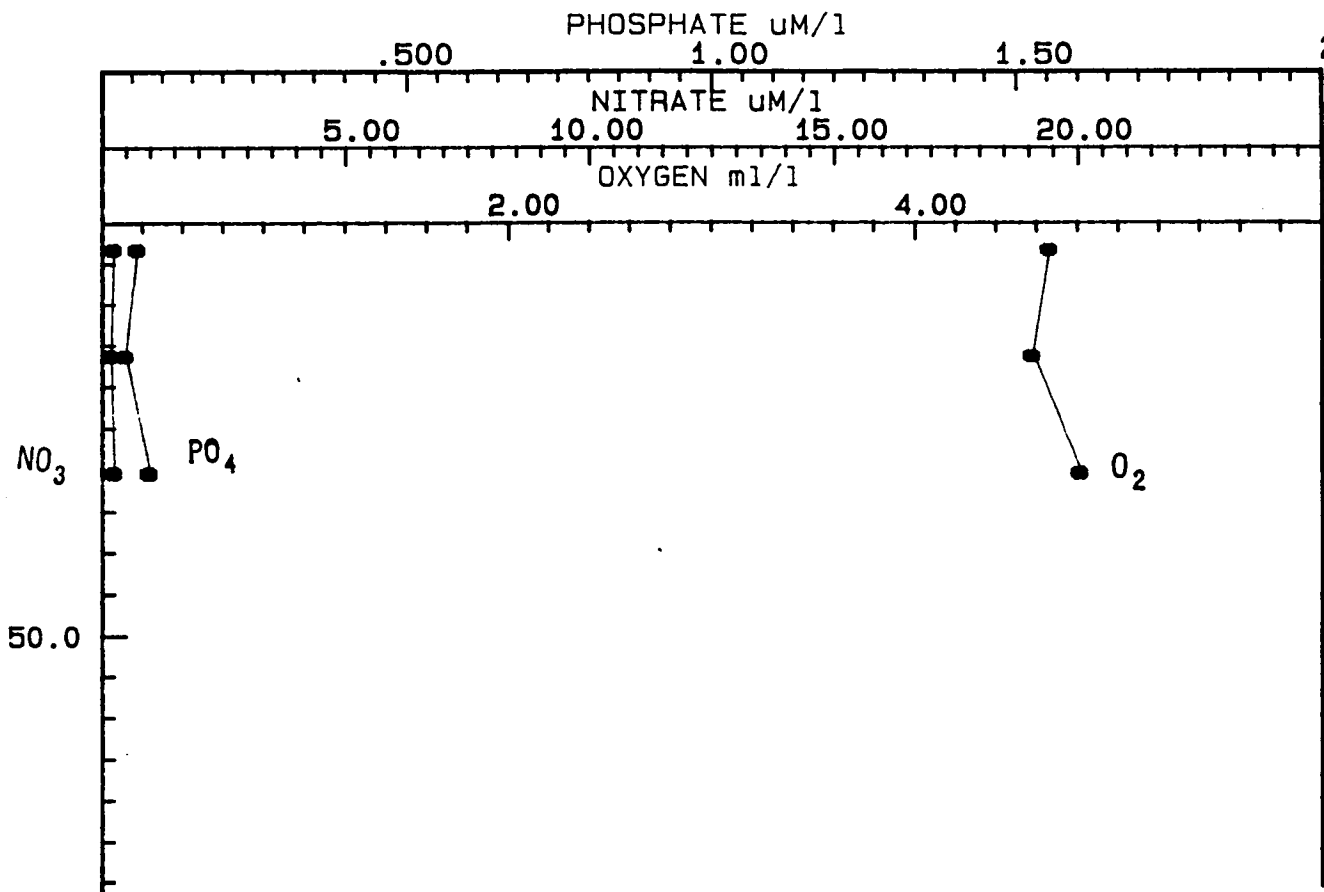


CRUISE: 90G10 STATION: B90G10*68*1 DATE: 18JULY90
LATITUDE: 28 40.1 LONGITUDE: 91 50.0

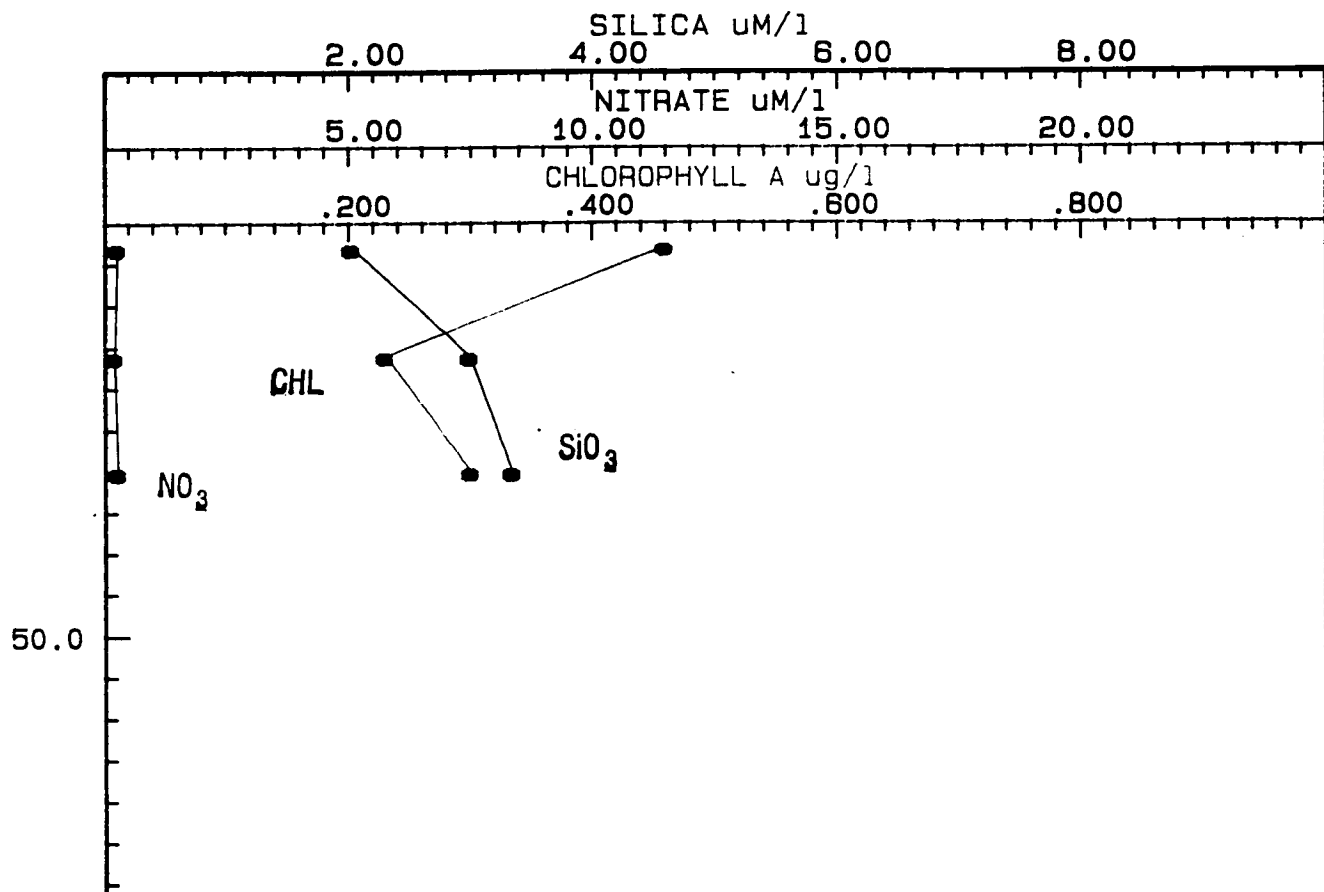


CRUISE: 90G10 STATION: B90G10*69*1 DATE: 18JULY90
LATITUDE: 28 35.5 LONGITUDE: 91 529.

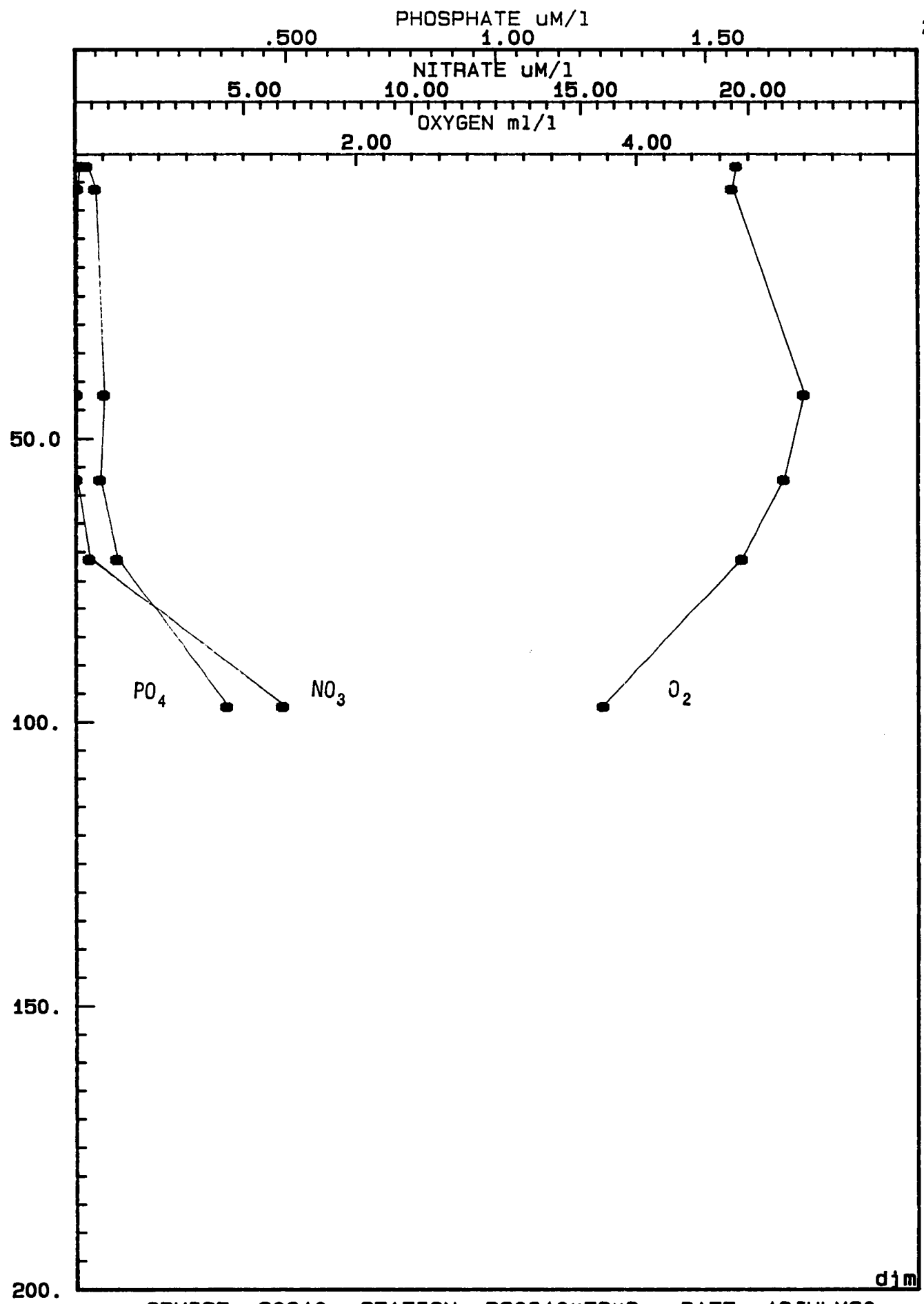
DEPTH



DEPTH

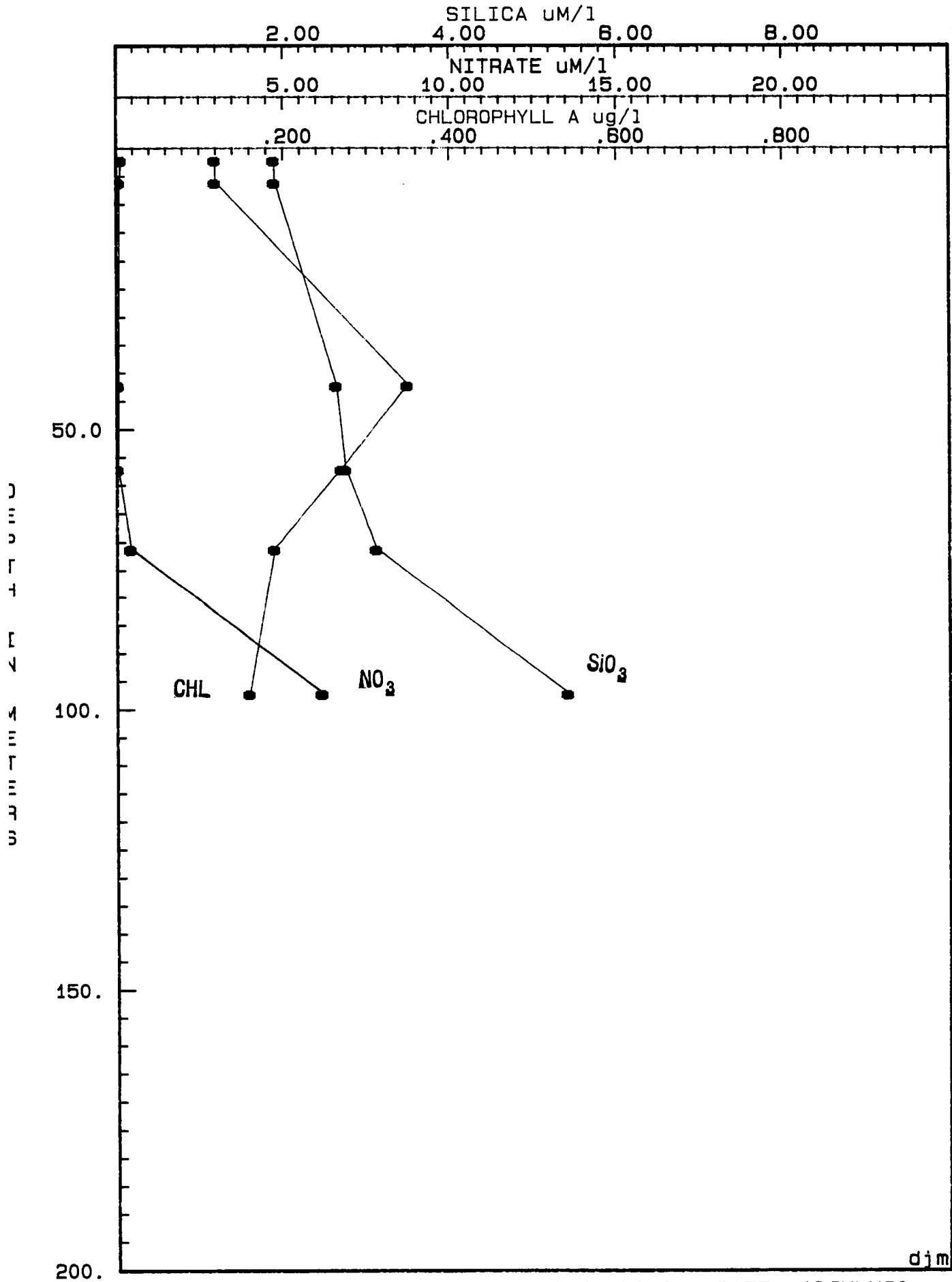


CRUISE: 90G10 STATION: B90G10*70*1 DATE: 18JULY90
 LATITUDE: 28 30.0 LONGITUDE: 91 55.6



CRUISE: 90G10 STATION: B90G10*78*2 DATE: 18JULY90
LATITUDE: 28 2.6 LONGITUDE: 92 10.4

dim



CRUISE: 90G10 STATION: B90G10*78*2 DATE: 18JULY90
LATITUDE: 28 2.6 LONGITUDE: 92 10.4

djm

CRUISE 90610 STATION B90610*73*1

DATE 19JULY90 GMT 0331

LATITUDE 27 55.4 LONGITUDE 92 12.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	-----	.06	-----	33.686	4.034	.04	.07	2.47	.03	0.00	.1
20	----	-----	.06	-----	35.078	4.506	.04	.04	2.74	.01	0.00	.0
40	----	-----	.13	-----	36.295	5.062	.05	.06	2.84	.04	0.00	.1
60	----	-----	.26	-----	36.376	5.097	.58	.04	2.98	.09	0.00	.0
70	----	-----	.19	-----	36.398	4.839	.10	.06	3.02	.32	.05	.0
80	----	-----	.13	-----	36.379	4.647	0.00	.09	3.34	.76	.24	.0
108	----	-----	.07	-----	36.475	3.583	.05	.36	4.60	8.95	.14	.2
127	----	-----	.02	-----	36.191	2.982	0.00	.82	7.94	14.80	.04	.0
140	----	-----	.03	-----	36.166	2.957	.01	.84	8.11	15.50	.04	.0

CRUISE 90610 STATION B90610*80*1

DATE 19JULY90 GMT 0510

LATITUDE 27 50.6 LONGITUDE 92 15.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	-----	.06	-----	34.799	4.595	.20	.08	2.67	.21	0.00	.3
30	----	-----	.05	-----	36.055	4.707	.15	.06	3.05	.15	.01	.1
60	----	-----	.15	-----	36.350	5.133	.19	.06	3.16	.32	.01	.2
70	----	-----	.04	-----	36.350	4.985	.29	.09	3.21	.20	.02	.4
80	----	-----	.09	-----	36.386	4.737	.14	.10	3.35	.91	.09	.4
100	----	-----	.05	-----	36.416	3.799	.10	.36	7.38	8.06	.01	.4
135	----	-----	.02	-----	36.161	2.974	.08	.87	8.20	15.70	.06	.4

CRUISE 90610 STATION B90610*91*2

DATE 19JULY90 GMT 0215

LATITUDE 28 20.2 LONGITUDE 91 1.7

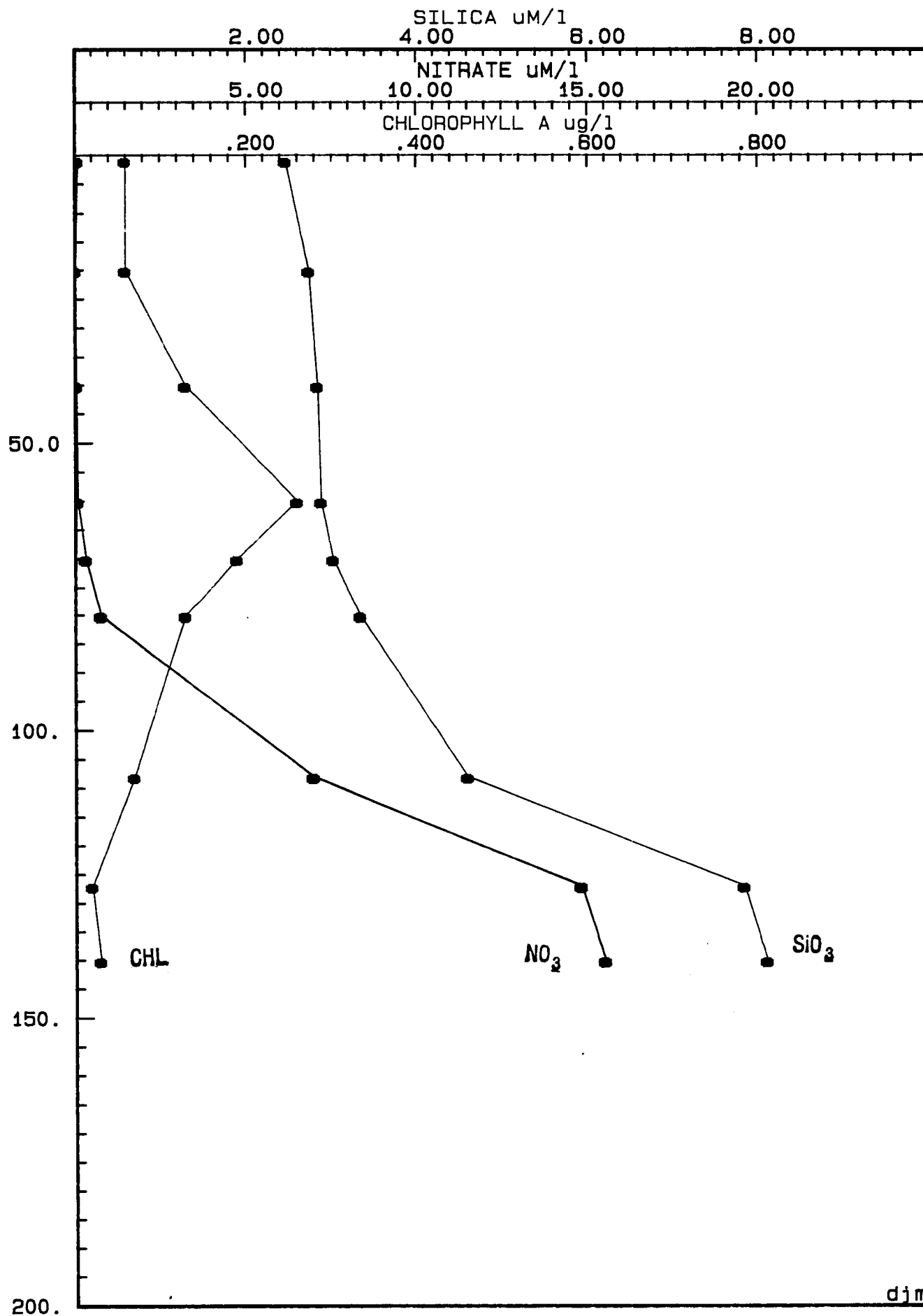
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	-----	29.21	-----	26.376	5.052	.15	.07	2.04	.12	.01	.2
11	----	-----	28.92	-----	29.720	4.716	.09	.02	1.93	.19	.01	.3
26	----	-----	27.79	-----	35.695	4.484	.22	.14	6.86	1.60	.23	.5
50	----	-----	21.72	-----	36.169	4.495	.03	.11	6.22	.79	.38	.1

CRUISE 90610 STATION B90610*82*1

DATE 19JULY90 GMT 0453

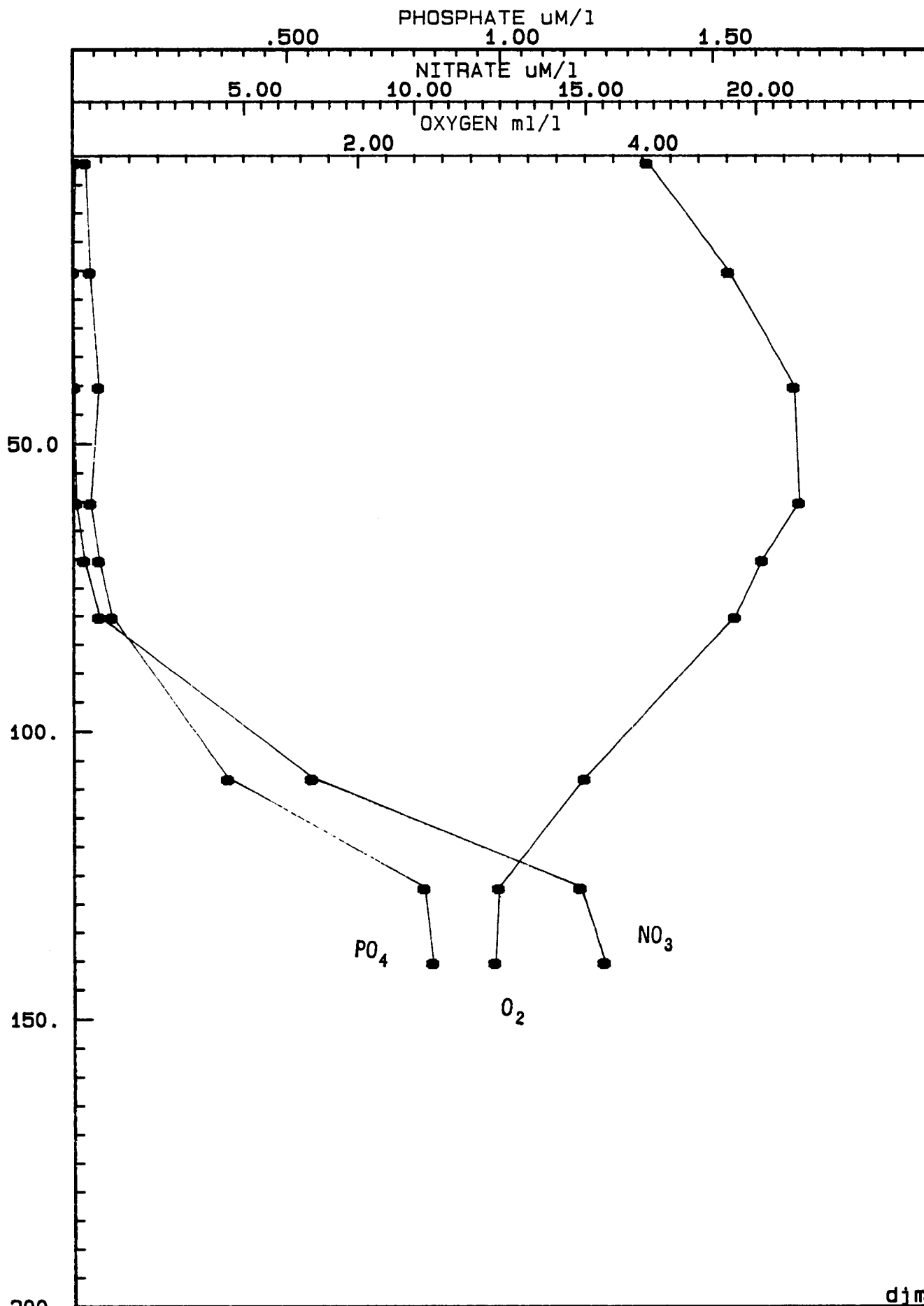
LATITUDE 28 109. LONGITUDE 90 11.6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	-----	28.87	-----	31.639	4.571	.11	.02	2.99	.16	.01	.2
31	----	-----	26.19	-----	36.730	4.900	.01	.04	2.50	.17	.01	.2
60	----	-----	22.50	-----	36.357	4.998	.13	.04	2.91	.16	.01	.2
89	----	-----	21.65	-----	36.332	4.998	.28	.06	3.10	.18	.04	.4
79	----	-----	21.00	-----	36.350	4.780	.12	.07	3.46	.46	.20	.2
97	----	-----	19.64	-----	36.400	3.911	.03	.29	4.46	8.00	.09	.2
147	----	-----	16.37	-----	36.177	2.969	.10	.88	8.27	15.50	.07	.4
196	----	-----	13.98	-----	35.815	2.912	.08	1.17	10.50	19.80	.09	.2
293	----	-----	11.03	-----	35.756	2.789	.22	1.59	14.90	25.20	.10	.9
366	----	-----	9.63	-----	35.172	-----	.10	1.76	18.40	28.10	.10	.2



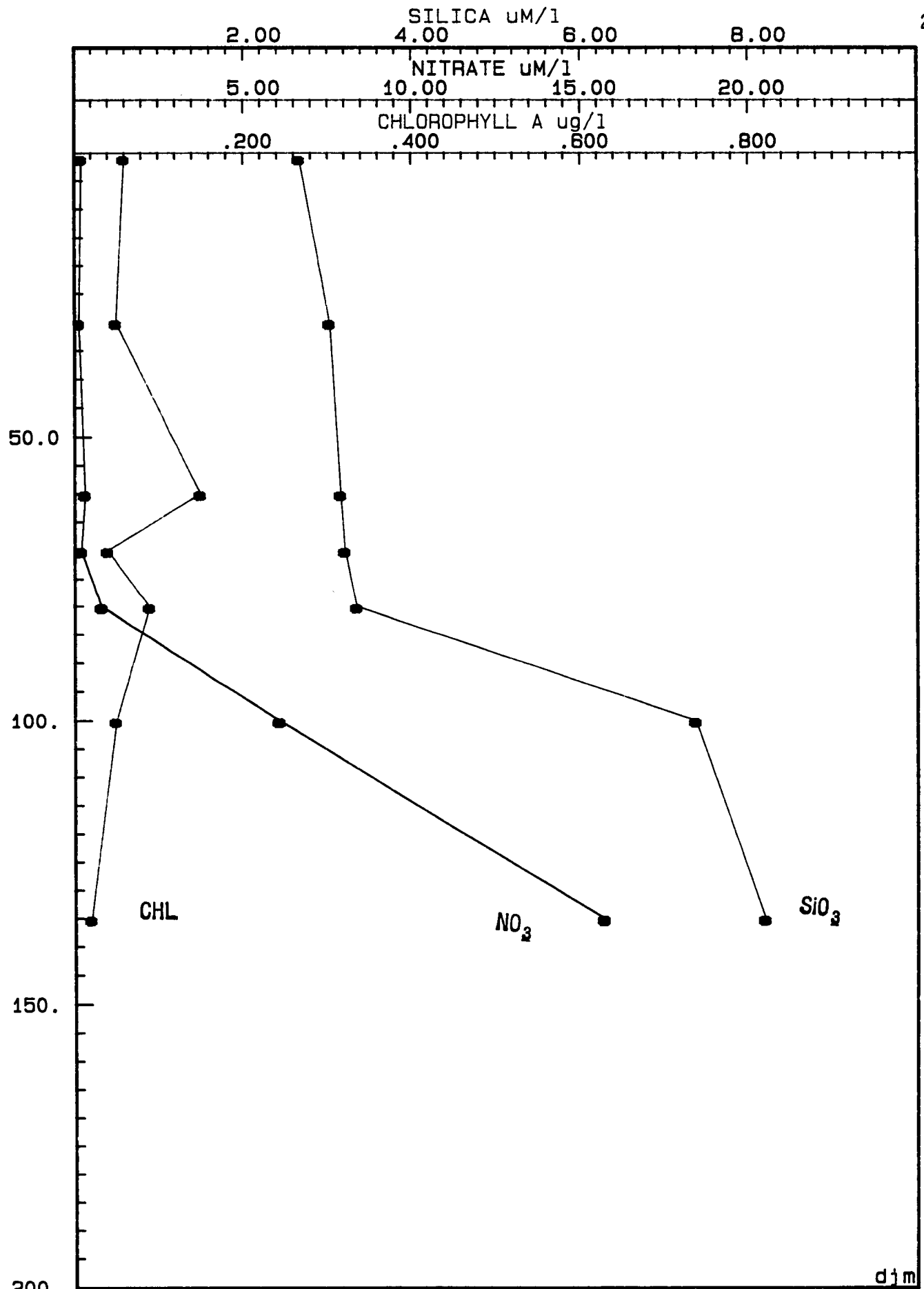
CRUISE: 90G10 STATION: B90G10*79*1 DATE: 19JULY90
LATITUDE: 27 55.4 LONGITUDE: 92 12.0

djm



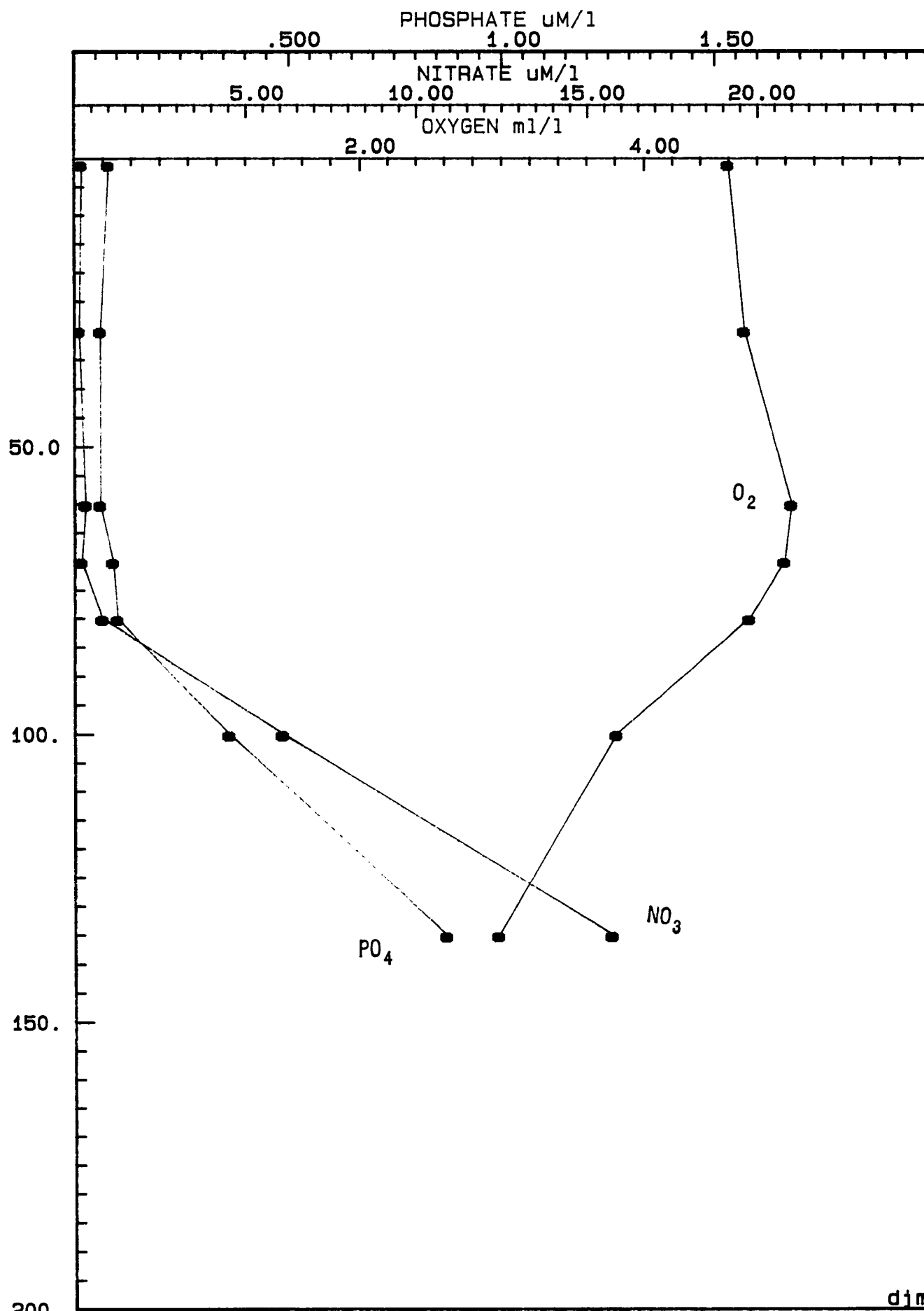
CRUISE: 90G10 STATION: B90G10*79*1 DATE: 19JULY90
LATITUDE: 27 55.4 LONGITUDE: 92 12.0

djm



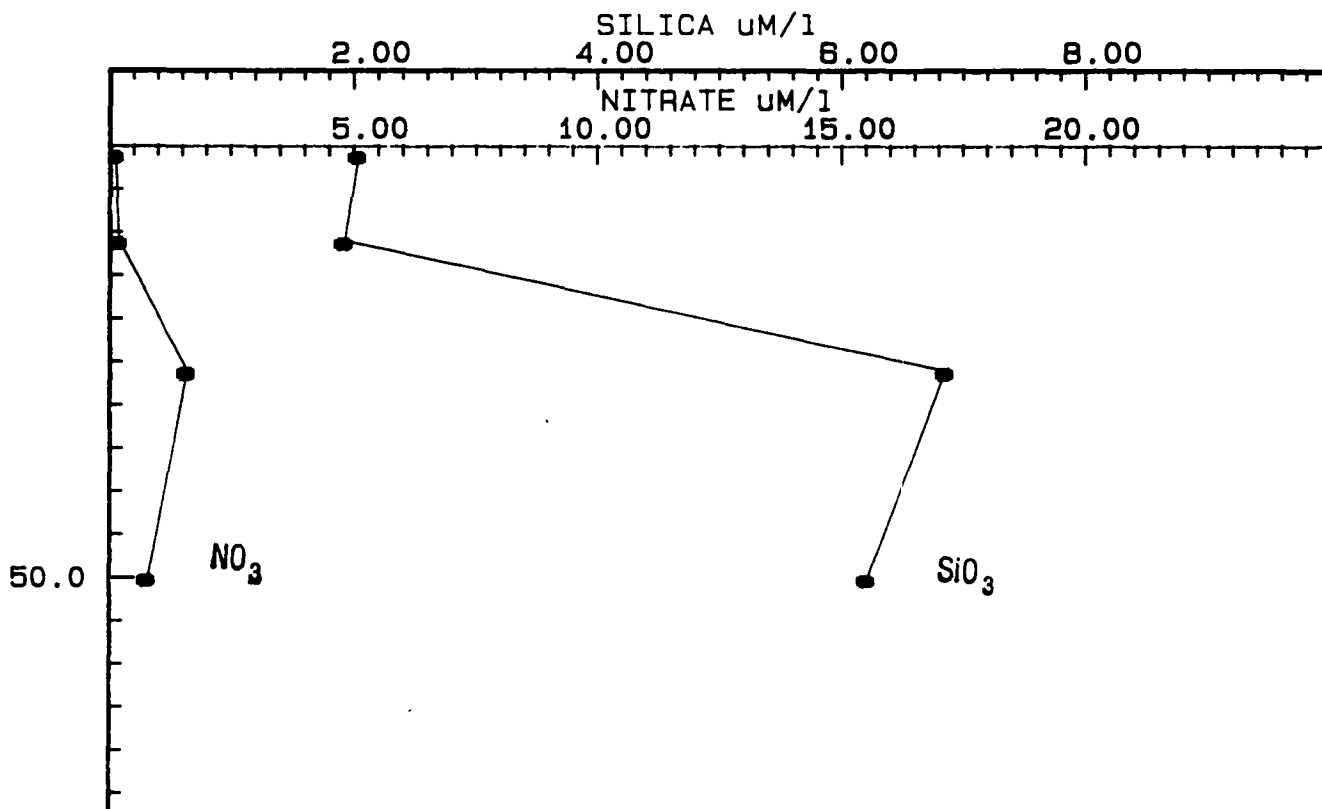
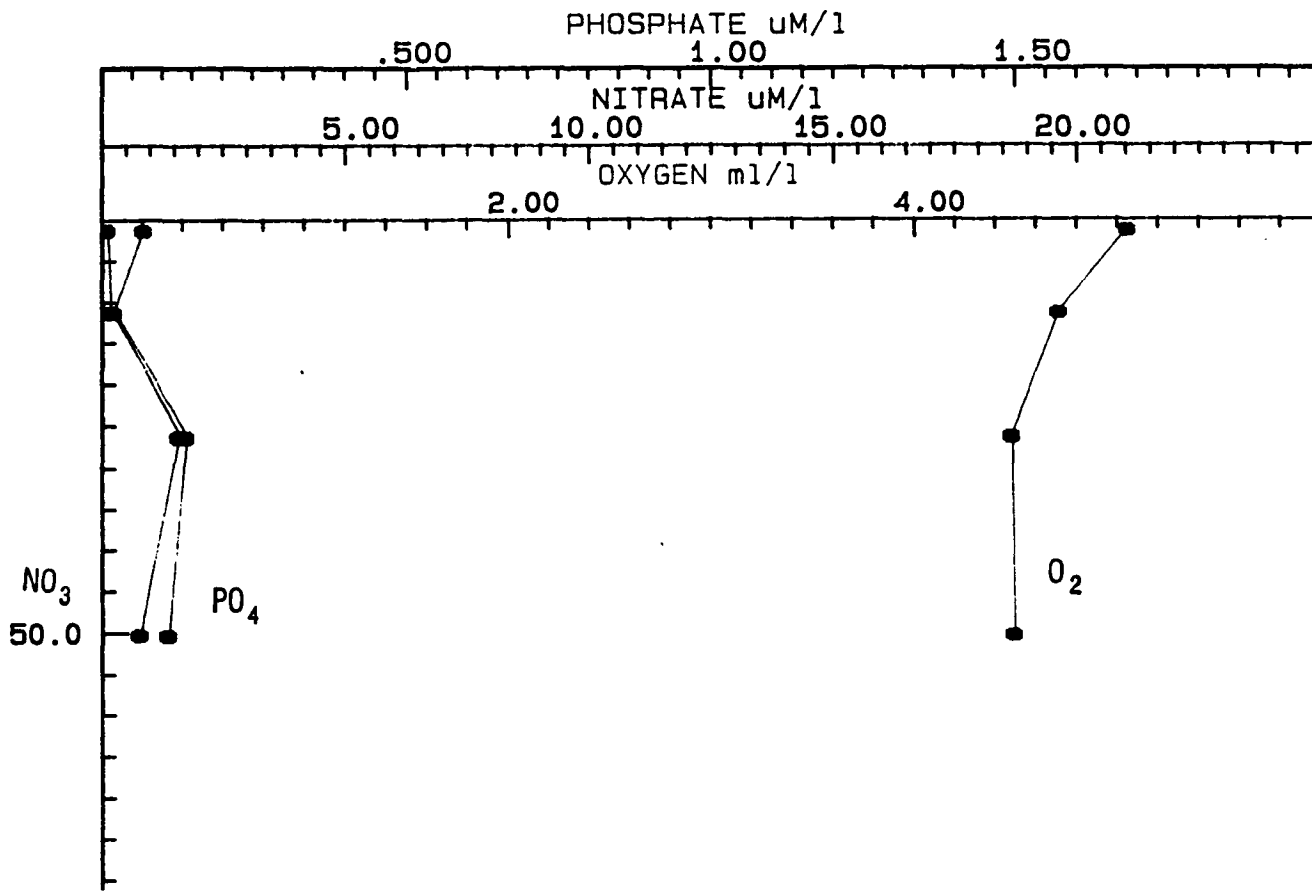
CRUISE: 90G10 STATION: B90G10*80*1 DATE: 19JULY90
LATITUDE: 27 50.6 LONGITUDE: 92 15.1

djm

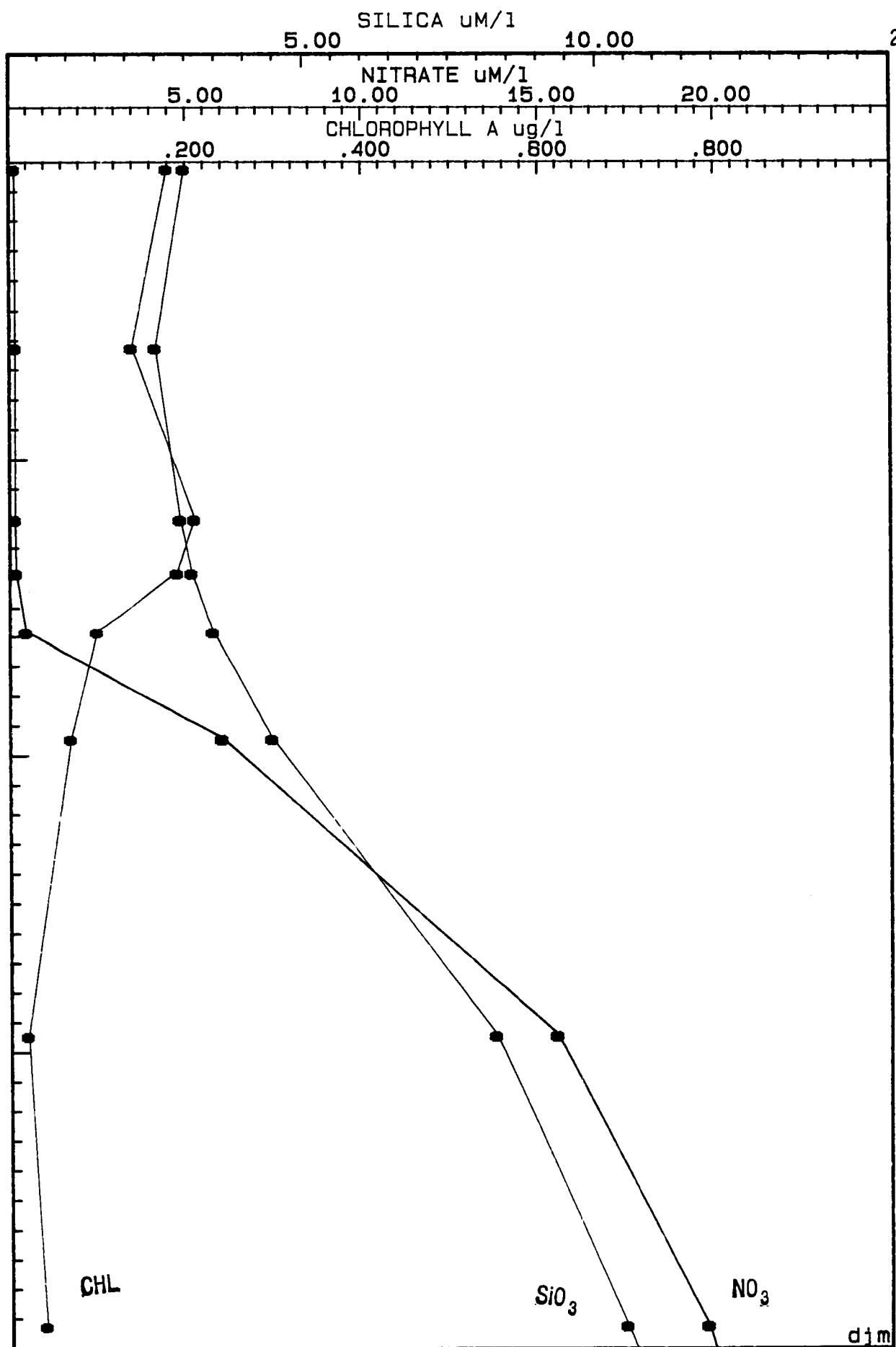


CRUISE: 90G10 STATION: B90G10*80*1 DATE: 19JULY90
LATITUDE: 27 50.6 LONGITUDE: 92 15.1

dim



CRUISE: 90G10 STATION: B80G10*B1*2 DATE: 19JULY90
 LATITUDE: 28 20.2 LONGITUDE: 91 .7



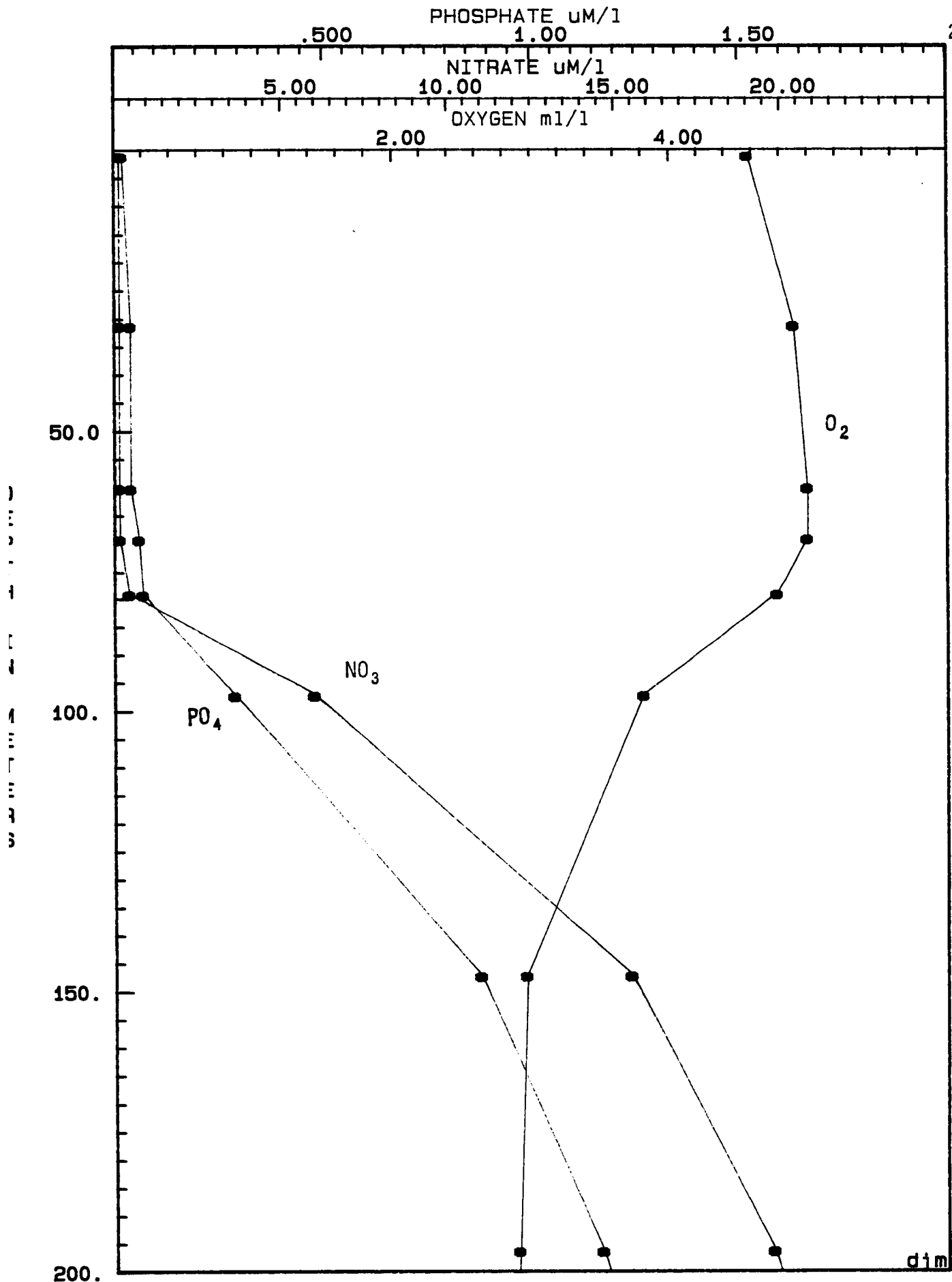
CRUISE: 90G10 STATION: B90G10*82*1 DATE: 20JULY90
LATITUDE: 28 30.9 LONGITUDE: 90 11.6

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CRUISE: 90G10 STATION: B90G10*82*1 DATE: 20JULY90
LATITUDE: 28 30.9 LONGITUDE: 90 11.8

dim

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION E90G10*83*1 DATE 20JULY90 GMT 0605 LATITUDE 28 7.6 LONGITUDE 90 12.3

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.90	-----	-----	30.953	4.478	.09	.02	3.20	.14	.01	.1
31	----	26.69	-----	-----	36.317	4.907	.11	.03	2.89	.14	.01	.0
61	----	21.93	.15	-----	36.317	4.905	.09	.06	3.92	.08	.12	.1
70	----	21.29	.98	-----	36.316	4.731	.07	.07	4.05	.39	.30	.3
81	----	20.83	.07	-----	36.353	4.645	.09	.09	3.78	.95	.22	.2
100	----	19.81	.08	-----	35.364	3.783	.17	.32	5.69	5.73	.07	.4
120	----	17.75	.04	-----	36.328	3.070	.10	.67	7.01	17.00	.04	.3
151	----	15.72	.01	-----	36.064	3.401	.06	.92	8.42	16.80	.05	.3
183	----	13.99	.01	-----	35.822	2.581	.05	1.12	10.60	19.20	.08	.1

CRUISE 90G10 STATION E90G10*84*1 DATE 20JULY90 GMT 0710 LATITUDE 28 13.0 LONGITUDE 90 15.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.77	.31	-----	26.279	4.674	.08	.02	3.19	.18	.02	.1
11	----	28.63	.39	-----	35.372	4.368	.05	.04	3.77	.35	.42	.1
24	----	26.00	.23	-----	35.933	4.678	.15	.06	3.94	.44	.44	.3
61	----	21.74	.11	-----	36.285	4.685	.11	.11	5.28	.98	.11	.2
71	----	20.88	.12	-----	36.293	3.692	.06	.31	9.76	4.55	.08	.1
80	----	20.35	.16	-----	36.318	3.432	.19	.43	10.20	5.93	.05	.4
----	----	19.13	.09	-----	36.352	3.113	.05	.55	10.30	8.69	.06	.0

CRUISE 90G10 STATION E90G10*85*1 DATE 20JULY90 GMT 0802 LATITUDE 28 18.4 LONGITUDE 90 17.5

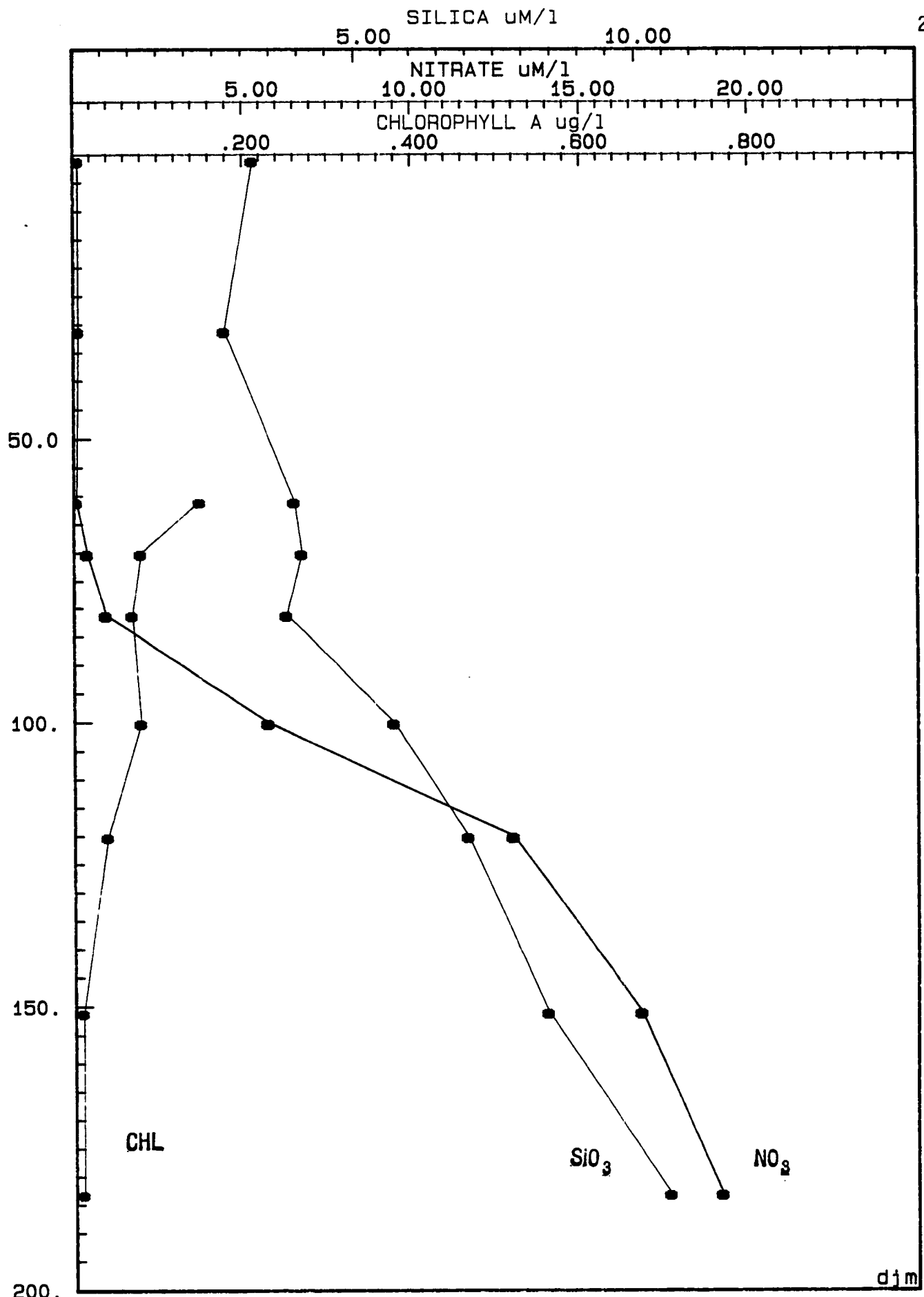
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.91	.20	-----	30.431	4.576	.13	.01	3.05	.32	.01	.3
11	----	28.98	.17	-----	34.944	4.316	.06	.02	4.11	.29	.11	.2
22	----	27.16	.68	-----	35.819	4.078	.09	.02	7.70	1.43	.75	.1
41	----	22.17	.24	-----	36.130	3.364	.07	.13	9.23	2.20	.25	.2
63	----	21.13	.13	-----	36.254	3.878	.09	.20	9.73	2.84	.21	.2

CRUISE 90G10 STATION E90G10*86*1 DATE 20JULY90 GMT 0851 LATITUDE 28 24.1 LONGITUDE 90 19.3

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.99	.13	-----	30.908	4.540	.12	.01	2.97	.19	.02	.1
7	----	29.04	.16	-----	34.094	4.392	.05	.03	3.93	.65	.03	.1
26	----	25.02	.45	-----	36.011	3.484	.06	.29	12.90	3.81	.35	.2
36	----	22.74	.24	-----	36.131	3.972	.05	.25	7.35	2.37	.52	.2
51	----	21.46	.11	-----	36.187	2.692	.12	.82	20.60	8.18	.15	.3

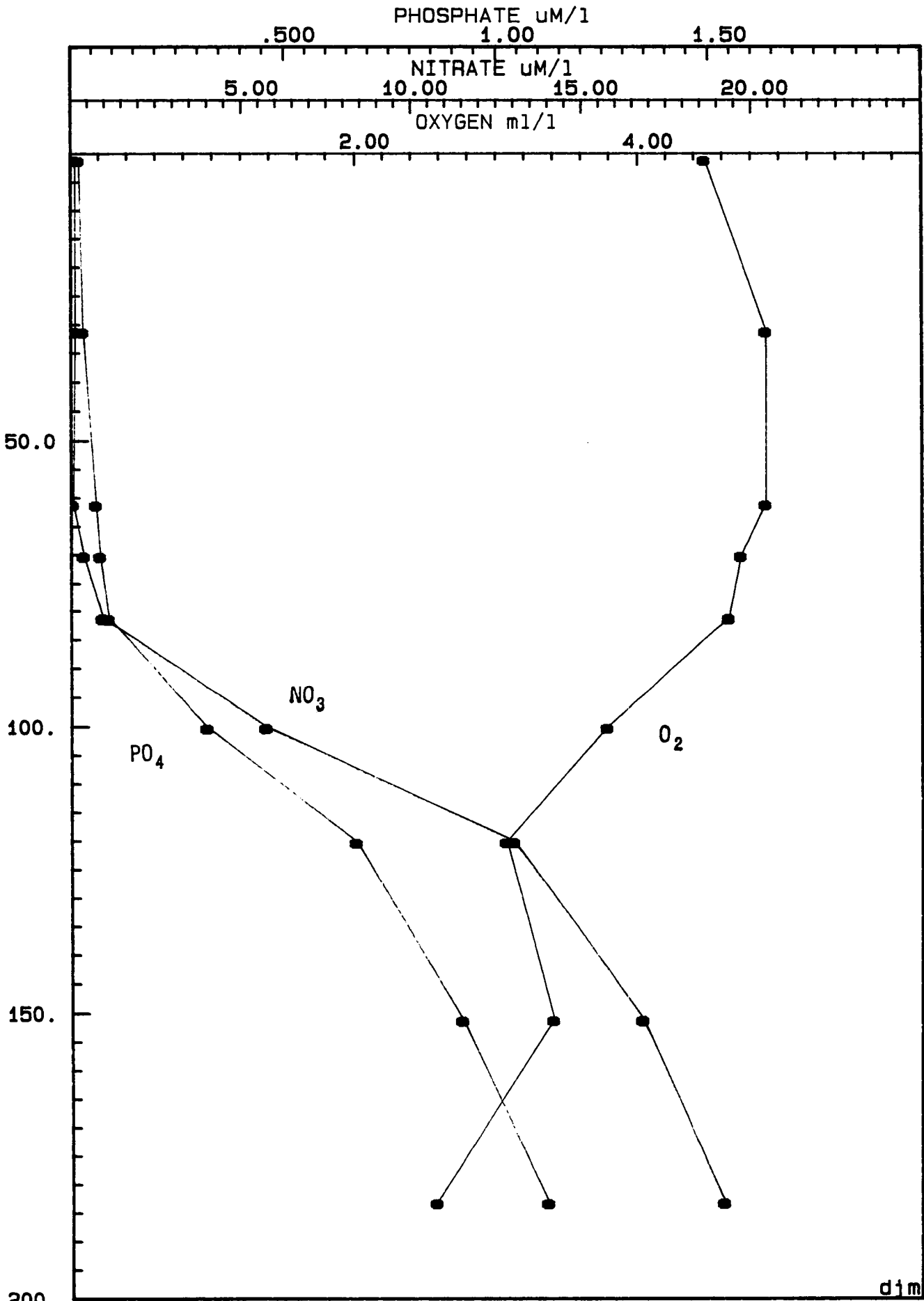
CRUISE 90G10 STATION E90G10*87*1 DATE 20JULY90 GMT 0931 LATITUDE 28 29.6 LONGITUDE 90 21.5

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.89	.10	-----	31.140	4.529	.05	0.00	2.60	.26	.01	.1
10	----	29.03	.10	-----	33.747	4.292	.03	.03	3.82	.68	.05	.1
21	----	24.76	.36	-----	35.720	3.122	.01	.62	20.90	8.12	.16	.1
31	----	22.57	.07	-----	36.113	3.131	.02	.57	17.40	3.19	.12	.1
42	----	20.42	.15	-----	36.110	2.965	.09	.77	27.80	10.10	.06	.1

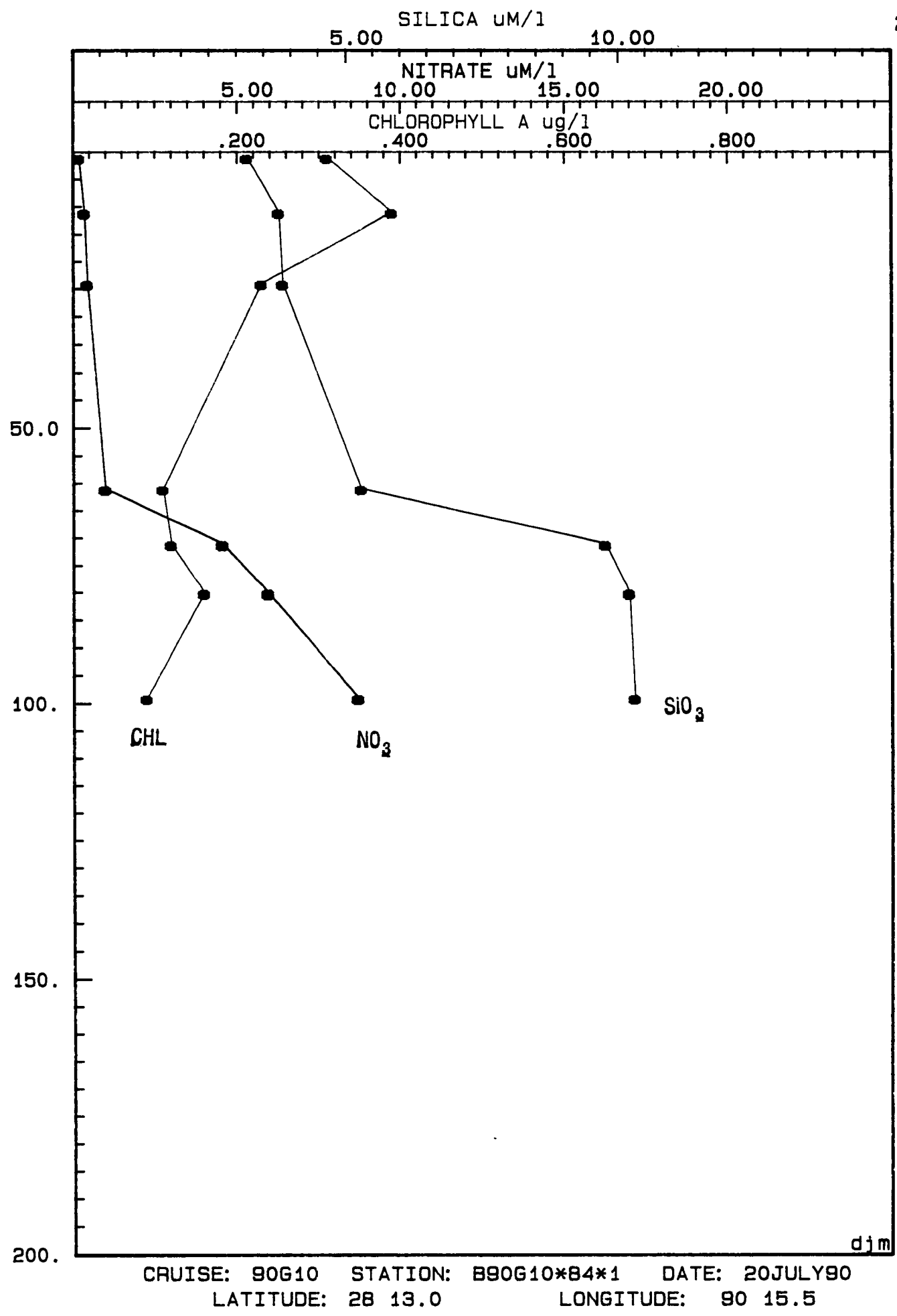


CRUISE: 90G10 STATION: B90G10*B3*1 DATE: 20JULY90
LATITUDE: 28 7.6 LONGITUDE: 90 12.9

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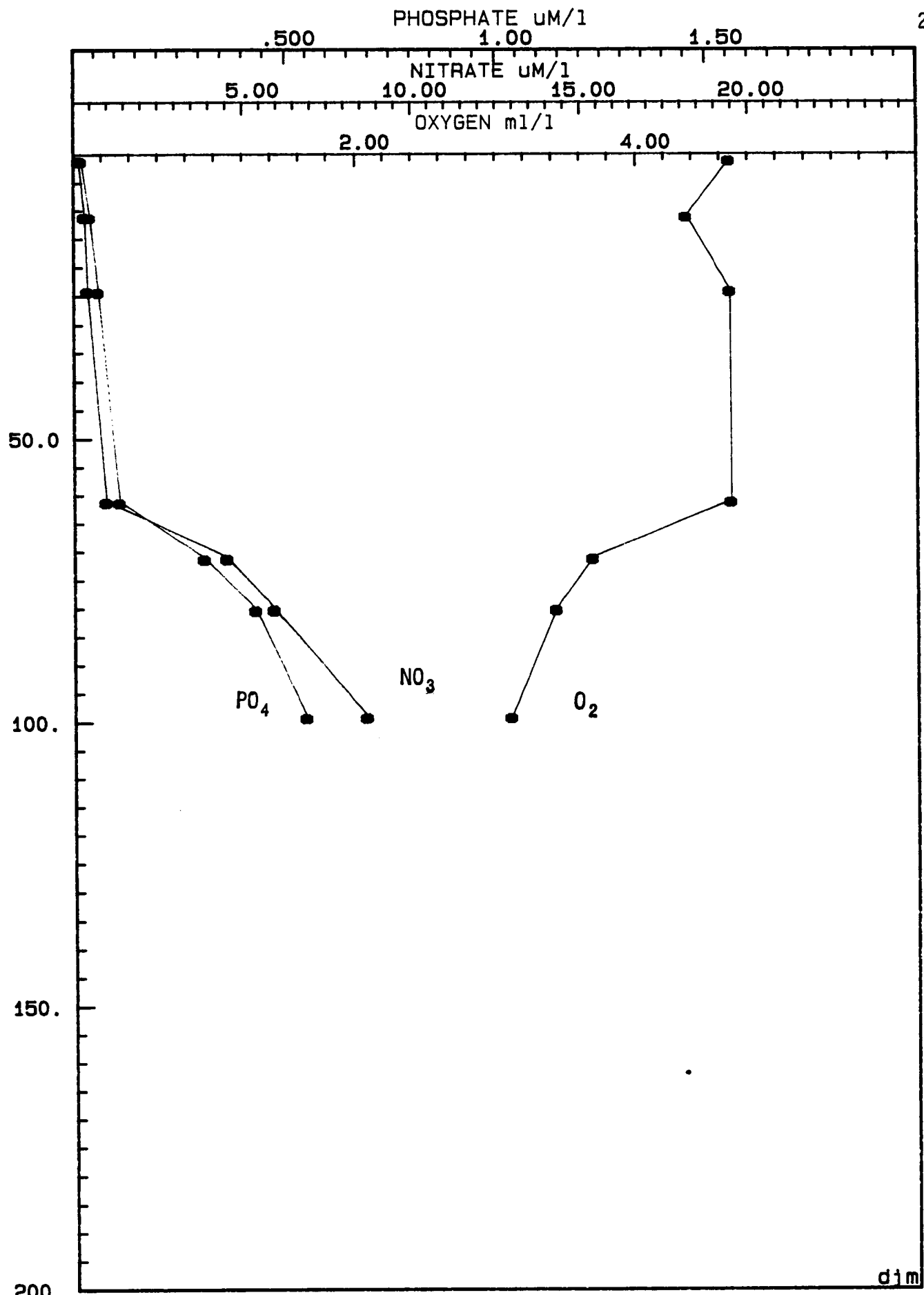


CRUISE: 90G10 STATION: B90G10*83*1 DATE: 20JULY90
LATITUDE: 28 7.6 LONGITUDE: 90 12.9



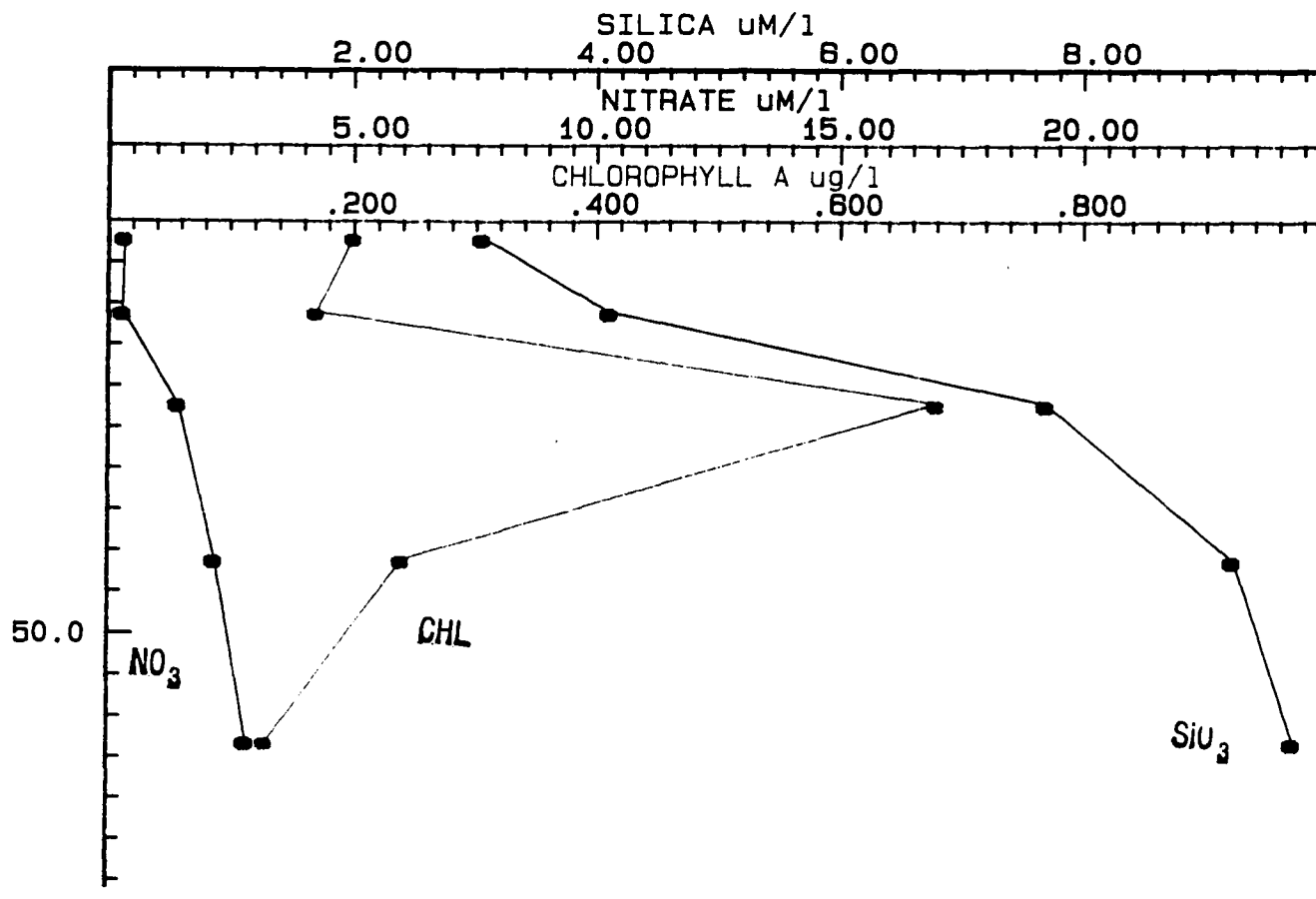
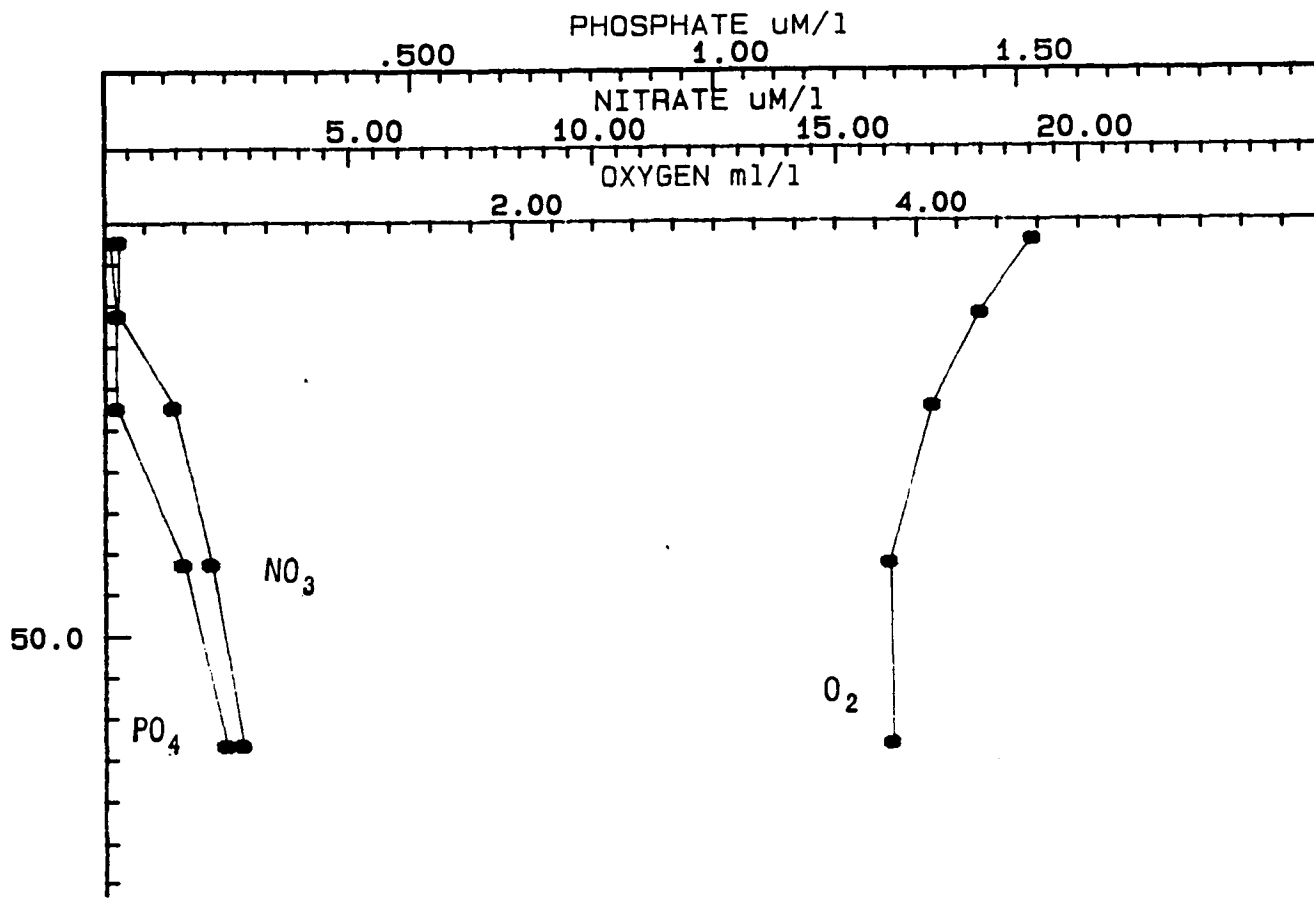
CRUISE: 90G10 STATION: B90G10*84*1 DATE: 20JULY90
LATITUDE: 28 13.0 LONGITUDE: 90 15.5

djm



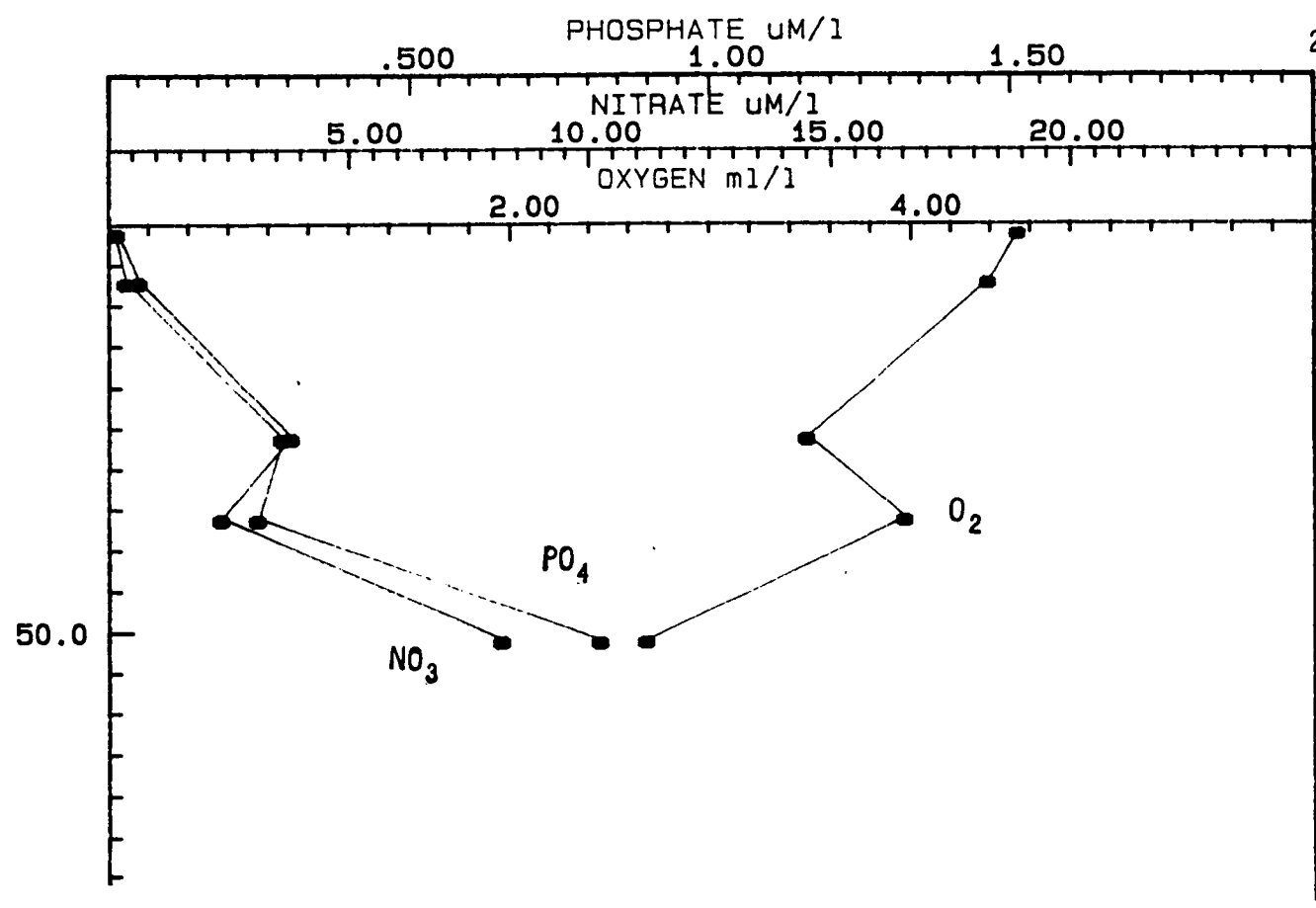
CRUISE: 90G10 STATION: B90G10*84*1 DATE: 20JULY90
 LATITUDE: 28 13.0 LONGITUDE: 90 15.5

djm

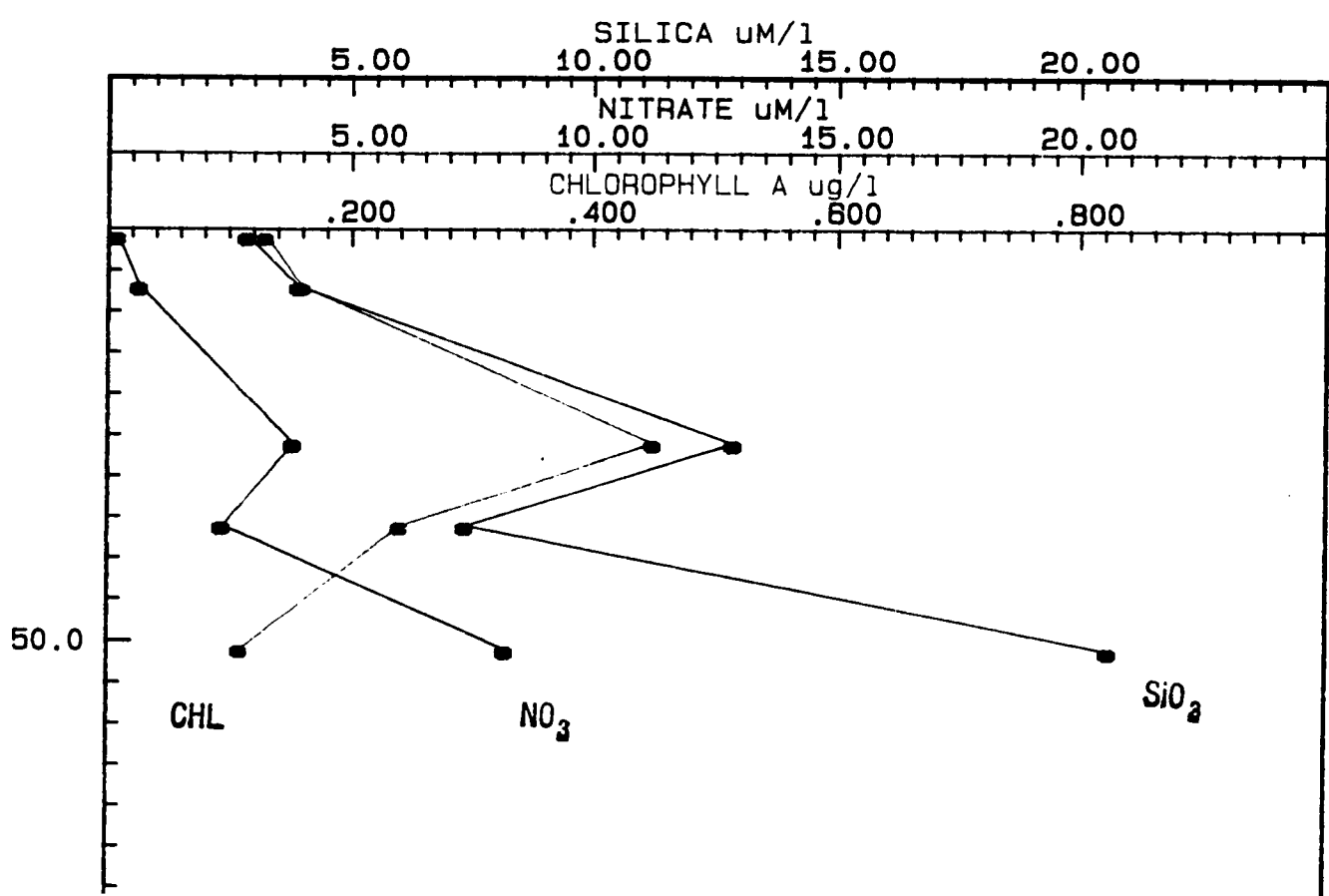


CRUISE: 90G10 STATION: B90G10*85*1 DATE: 20JULY90
 LATITUDE: 28 18.4 LONGITUDE: 90 17.5

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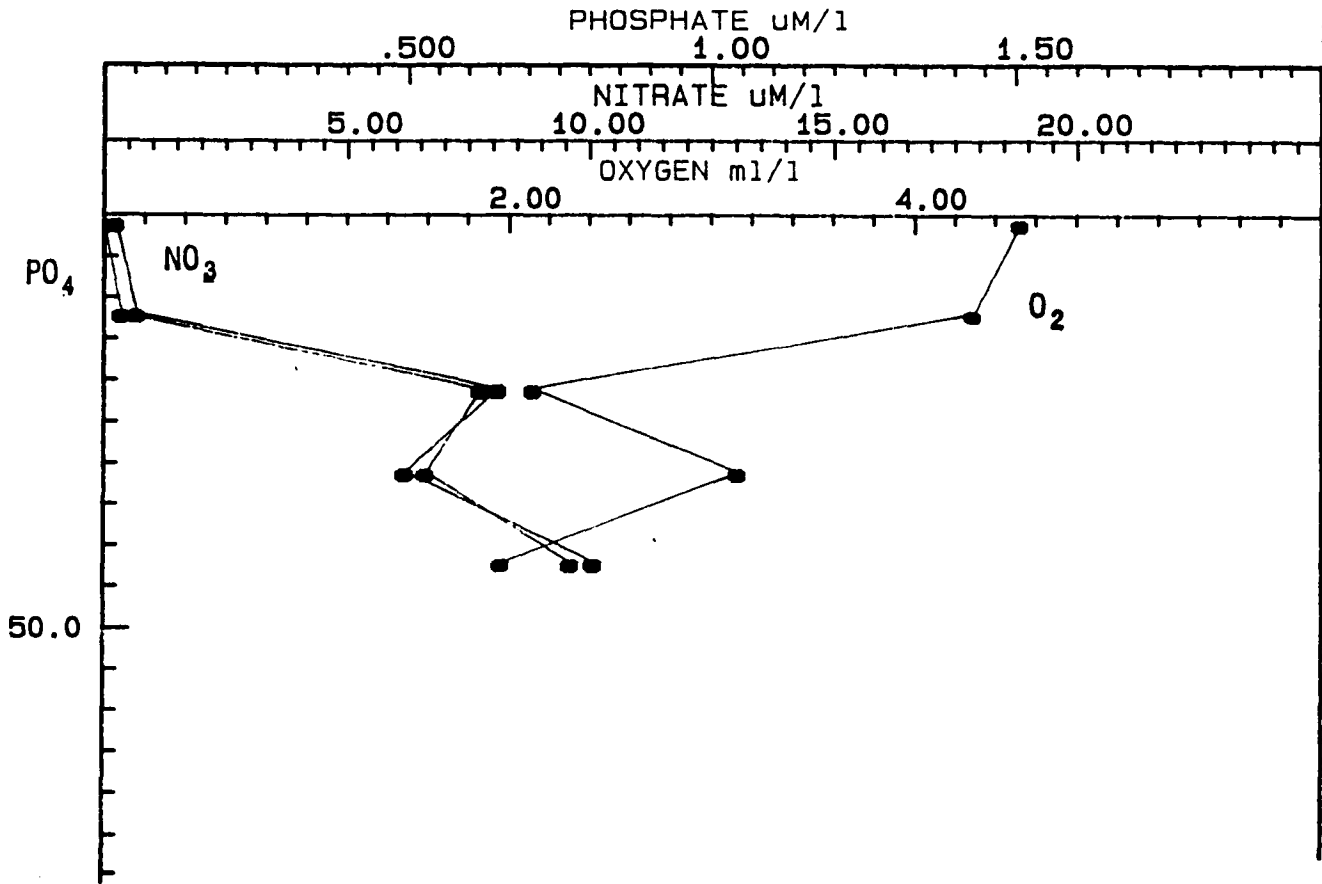


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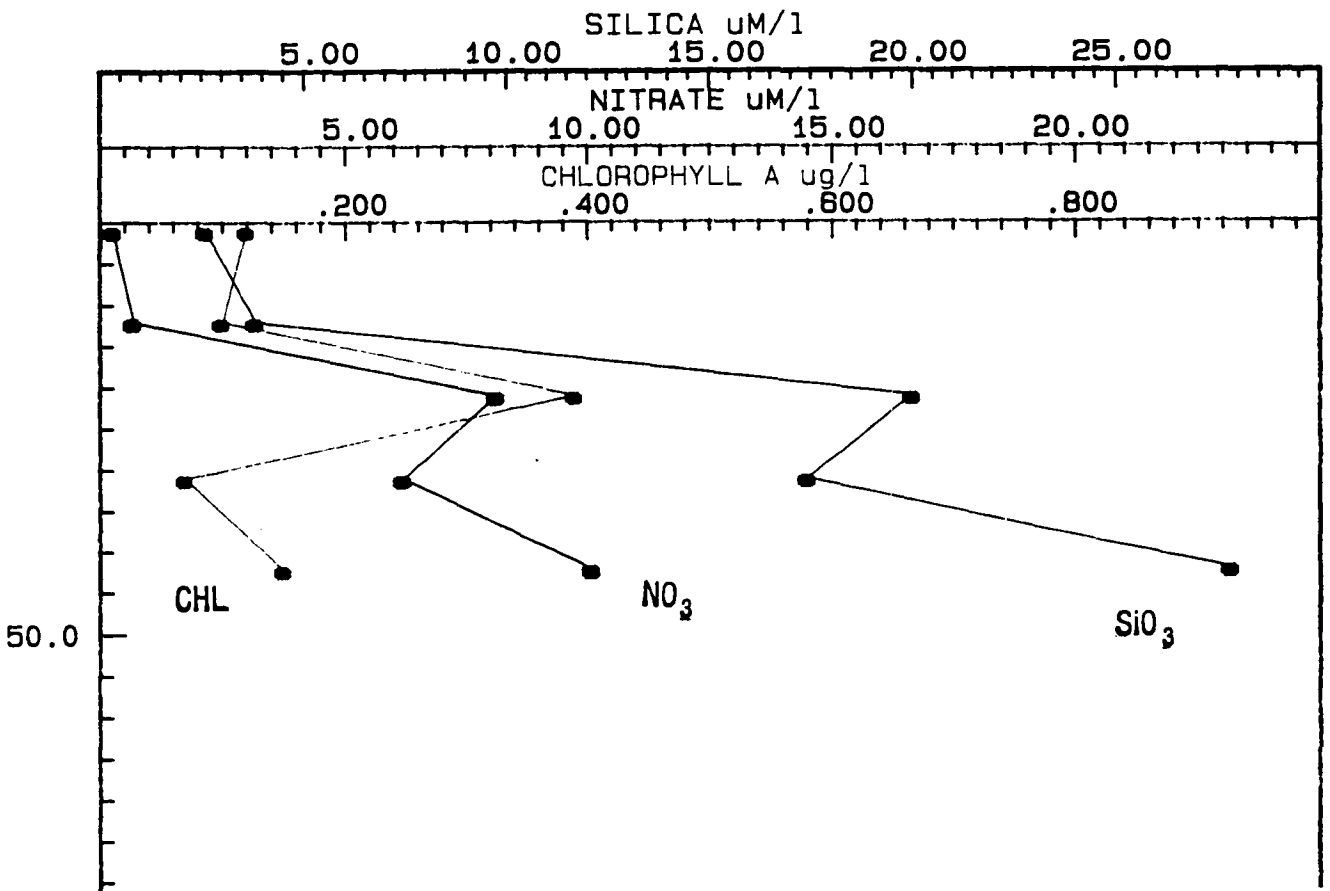


CRUISE: 80G10 STATION: B80G10*88*1 DATE: 20JULY90
LATITUDE: 28 24.1 LONGITUDE: 90 18.3

DEPTH



DEPTH



CRUISE: 90G10 STATION: B90G10*87*1 DATE: 20JULY80
LATITUDE: 28 29.6 LONGITUDE: 90 21.5

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*88*1 DATE 20JULY90 GMT 1015 LATITUDE 28 35.0 LONGITUDE 90 24.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.89	.19	-----	29.902	4.574	.10	0.00	2.53	.25	.03	.2
12	----	26.65	.26	-----	33.733	3.051	.13	.45	15.70	3.37	.72	.1
21	----	24.45	.22	-----	35.862	.540	.08	1.51	39.70	12.60	.16	.2
31	----	24.03	.27	-----	35.984	.523	.08	1.42	39.00	12.30	.27	.2

CRUISE 90G10 STATION B90G10*89*1 DATE 20JULY90 GMT 1059 LATITUDE 28 40.7 LONGITUDE 90 26.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.75	.19	-----	30.726	4.536	.09	0.00	1.93	.27	.04	.1
11	----	28.77	.20	-----	31.936	3.350	.08	.17	7.05	1.87	.51	.2
19	----	25.57	.37	-----	35.293	1.788	.04	1.04	28.60	7.64	1.40	.1

CRUISE 90G10 STATION B90G10*90*1 DATE 20JULY90 GMT 1139 LATITUDE 28 46.0 LONGITUDE 90 26.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.97	.20	-----	28.301	4.559	.15	.01	2.32	.26	.02	.2
9	----	28.97	.19	-----	29.576	4.290	.19	.03	3.00	.75	.18	.1
16	----	27.63	.24	-----	33.753	3.007	.11	.27	9.63	3.59	1.33	.1

CRUISE 90G10 STATION B90G10*91*1 DATE 20JULY90 GMT 1217 LATITUDE 28 50.3 LONGITUDE 90 30.5

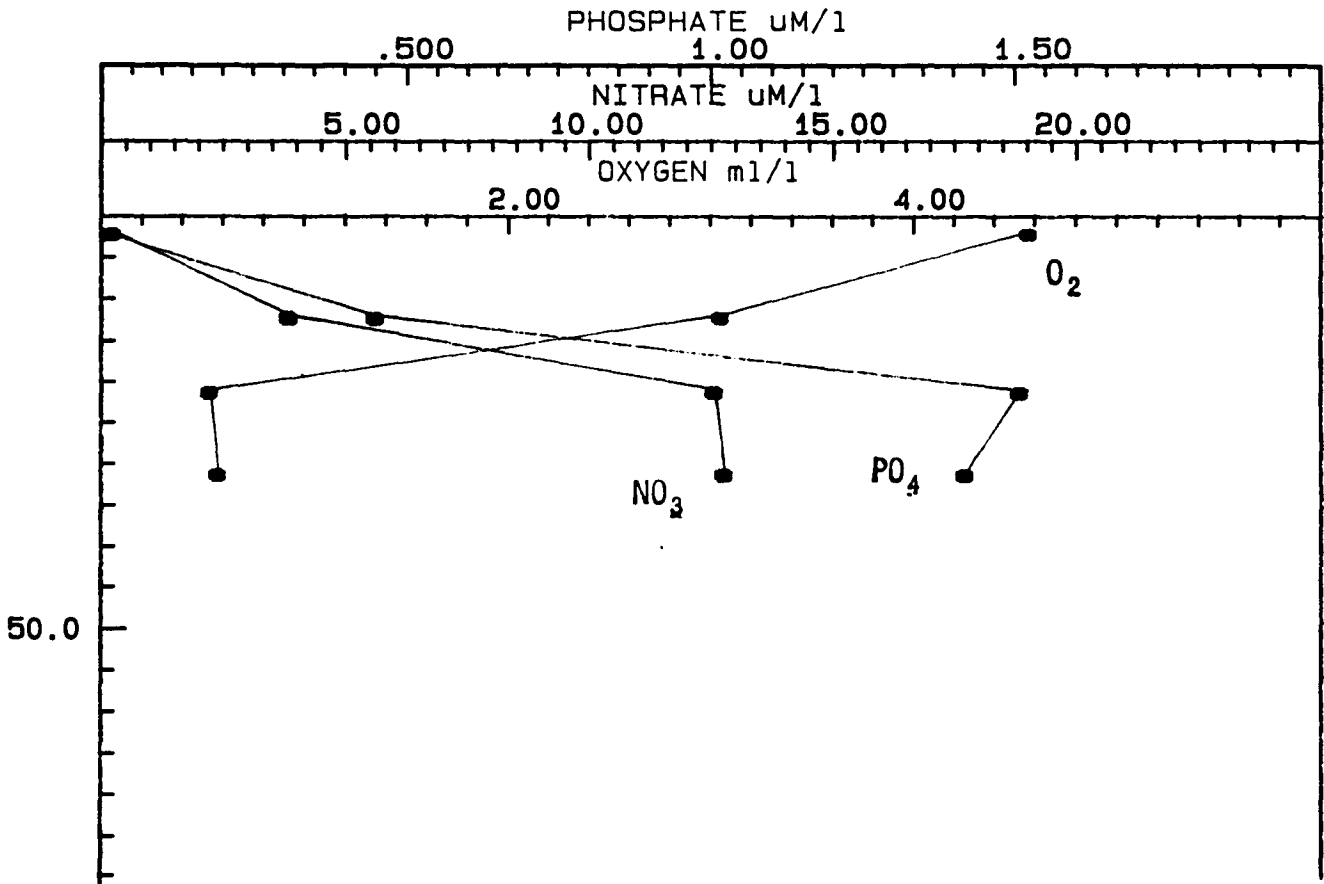
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.61	.35	-----	24.818	4.600	.22	.02	2.66	0.00	.04	.2
10	----	28.86	-----	-----	29.946	2.834	2.56	.82	18.70	.82	1.14	.3
18	----	24.44	-----	-----	34.144	.392	9.95	2.56	53.90	.69	.85	.4

CRUISE 90G10 STATION B90G10*92*1 DATE 20JUL90 GMT 1517 LATITUDE 28 37.5 LONGITUDE 90 23.2

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.41	.20	-----	29.081	4.521	.14	.05	2.67	.17	.02	.1
5	----	28.31	.22	-----	30.362	4.305	.08	.08	4.00	.76	.12	.0
9	----	28.88	.32	-----	32.750	3.231	.09	.36	11.30	3.50	.60	.0
14	----	26.85	.40	-----	35.663	1.005	.09	1.33	32.60	9.70	.75	.7
22	----	24.47	.32	-----	35.866	.359	.23	1.72	42.10	12.10	.57	.7
30	----	23.99	.35	-----	35.639	.418	.13	1.59	40.40	11.80	.69	.3

CRUISE 90G10 STATION B90G10*93*1 DATE 21JULY90 GMT 1251 LATITUDE 29 23.9 LONGITUDE 86 46.8

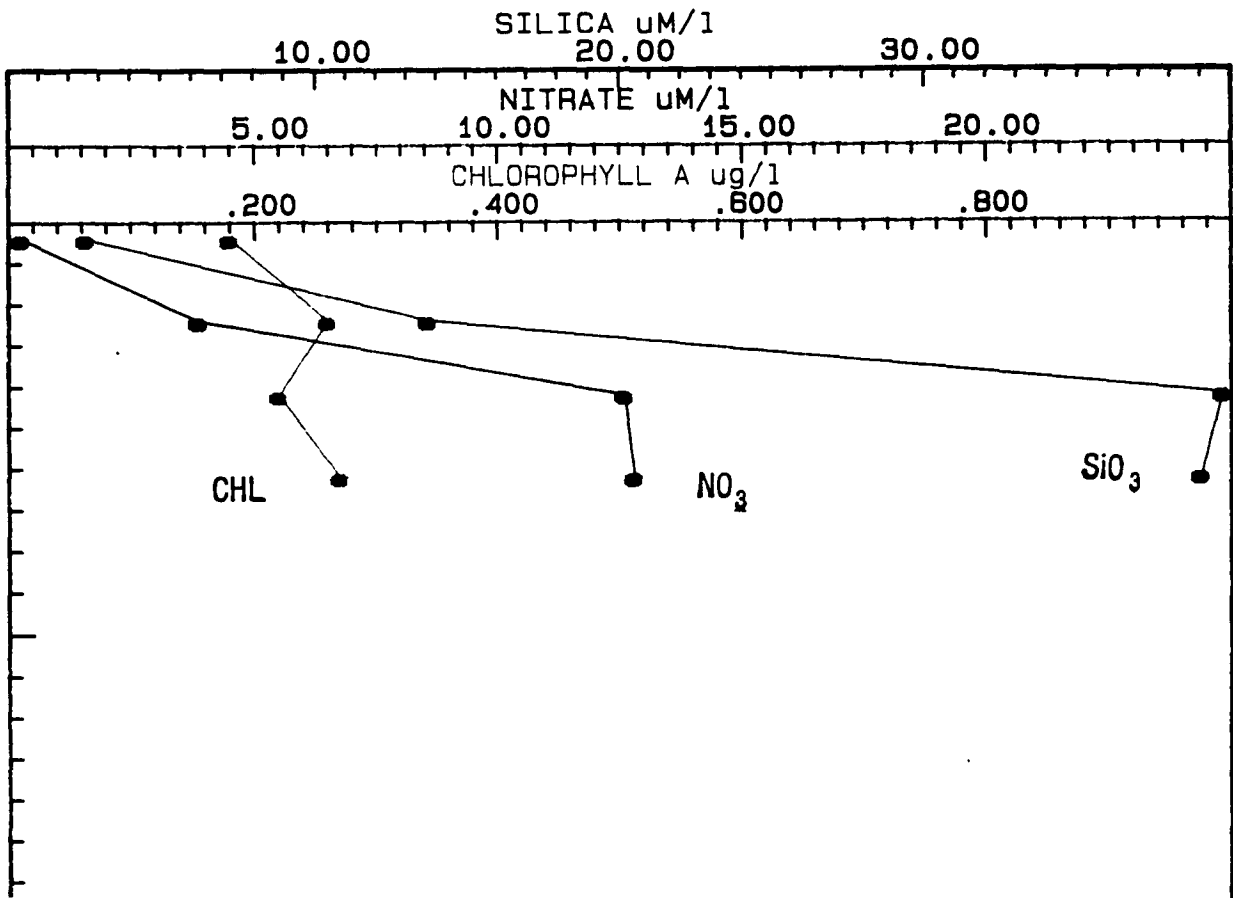
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.70	.37	-----	29.998	4.691	.10	.05	2.12	.30	.10	.2
7	----	28.82	.37	-----	29.993	4.003	.14	.17	7.71	1.22	1.07	.5
12	----	25.30	.47	-----	34.981	3.550	.06	.33	13.20	3.70	.67	.7
22	----	25.04	.42	-----	35.631	3.303	.06	.36	15.10	2.75	2.56	.4
32	----	25.00	.42	-----	35.618	3.388	.23	.50	15.20	2.68	2.57	.9



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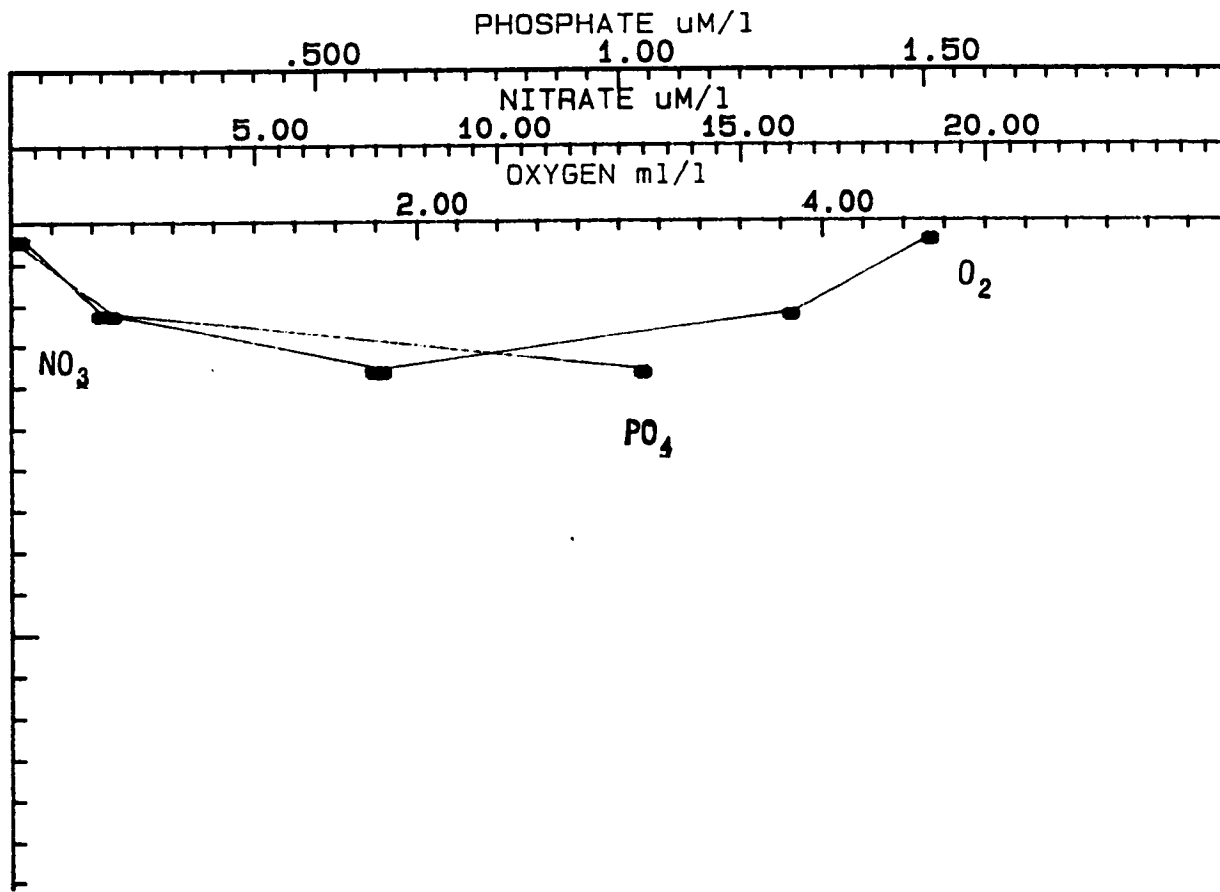


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CRUISE: 90G10 STATION: B90G10*88*1 DATE: 20JULY80
 LATITUDE: 28 35.0 LONGITUDE: 90 24.1

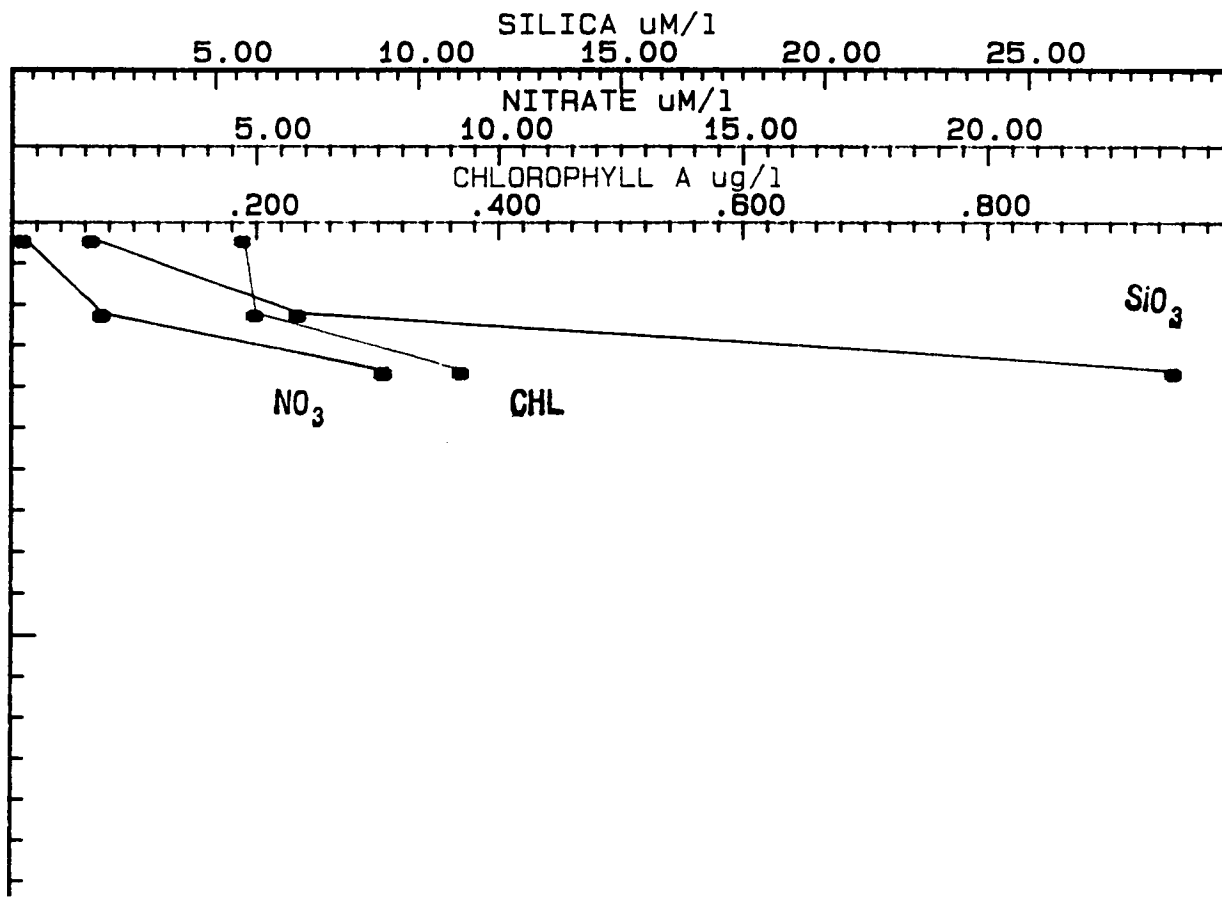
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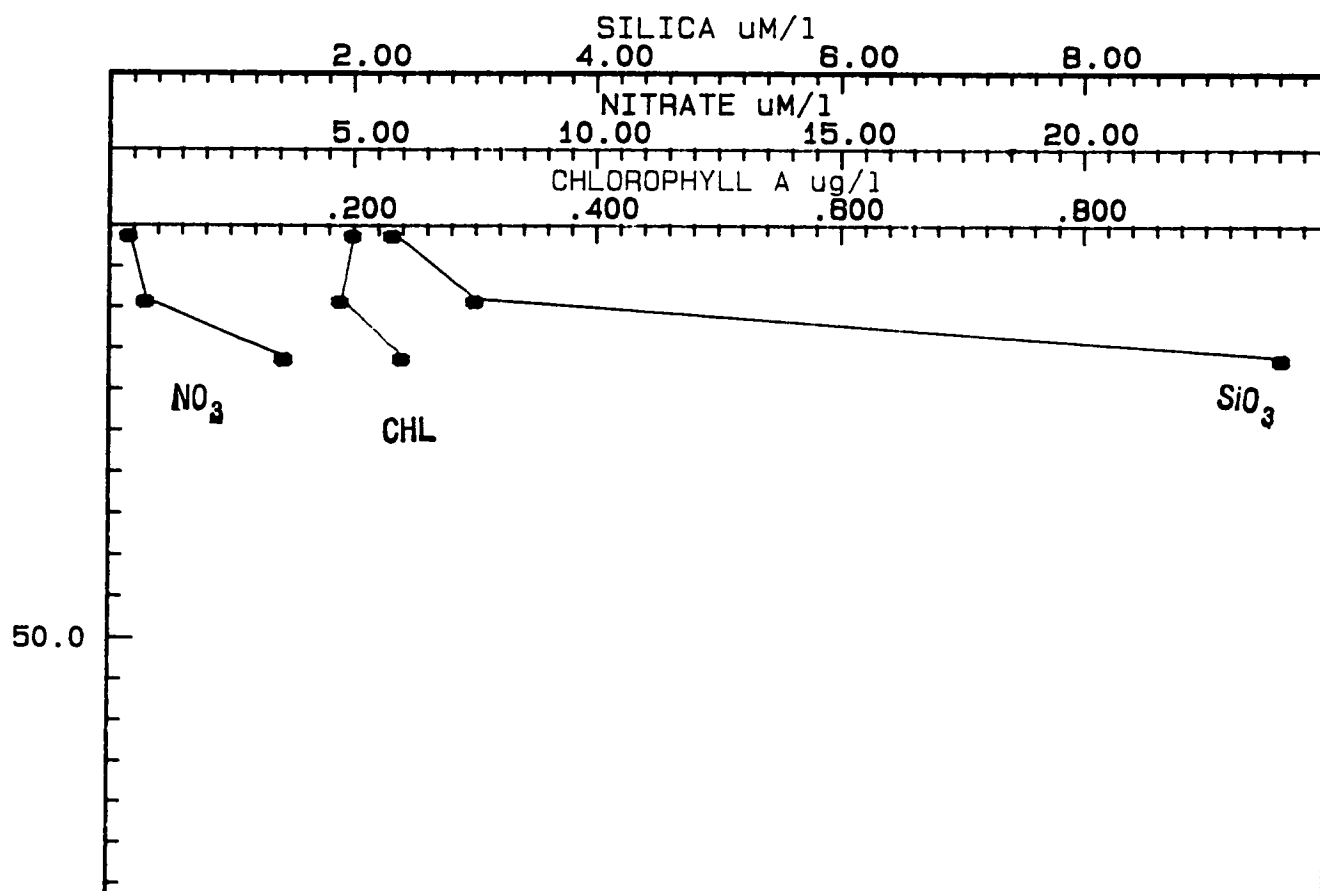
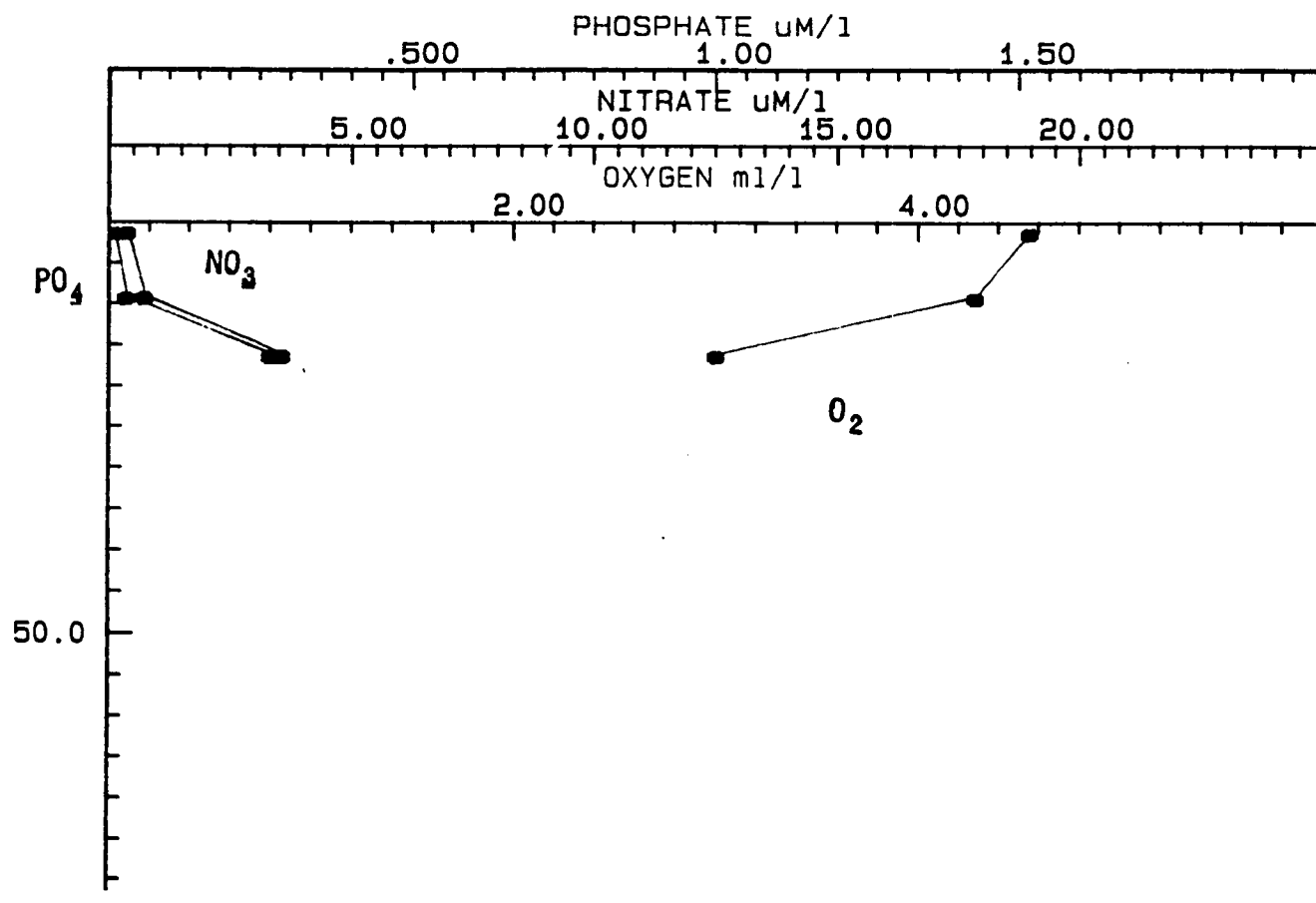


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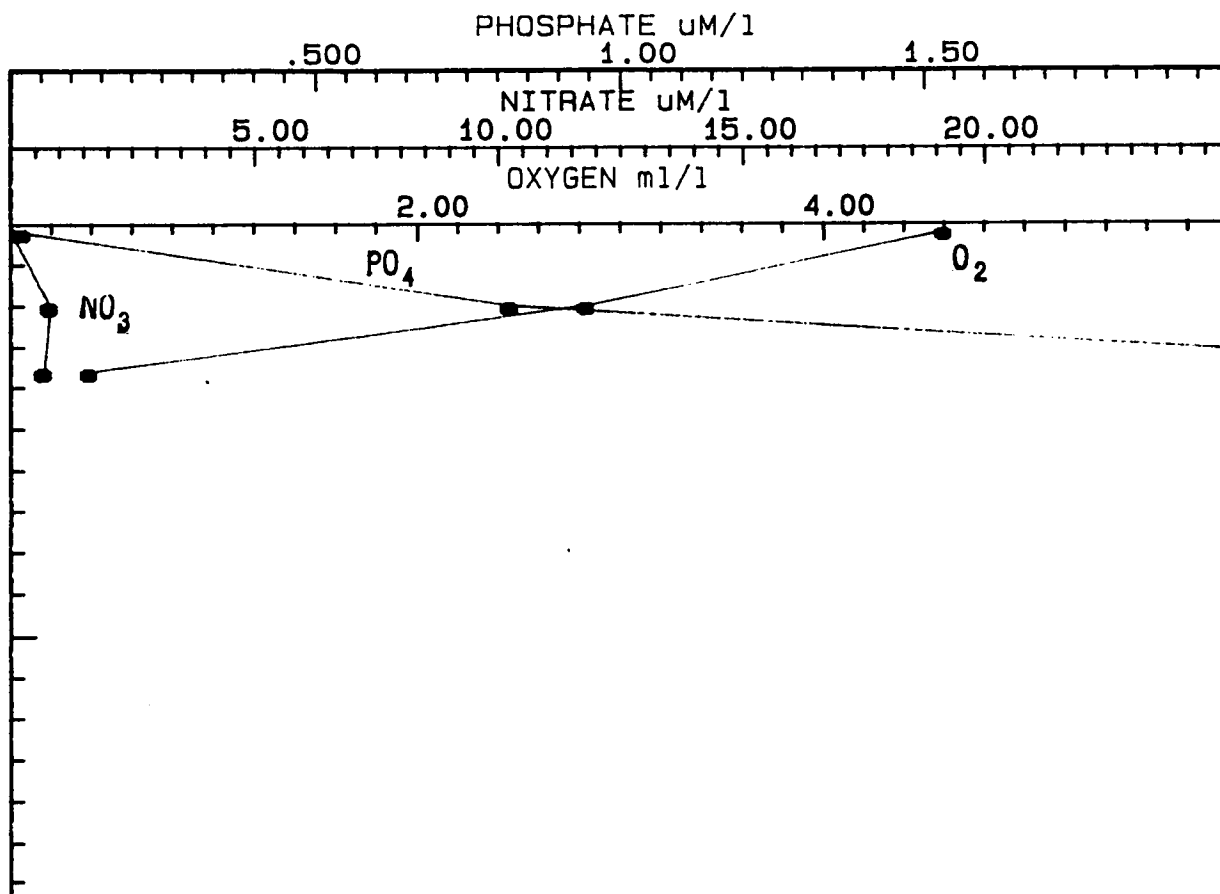
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 LATITUDE: 28 40.7 LONGITUDE: 90 26.0



CRUISE: 90G10 STATION: B90G10*90*1 DATE: 20JULY90
 LATITUDE: 28 46.0 LONGITUDE: 90 28.0

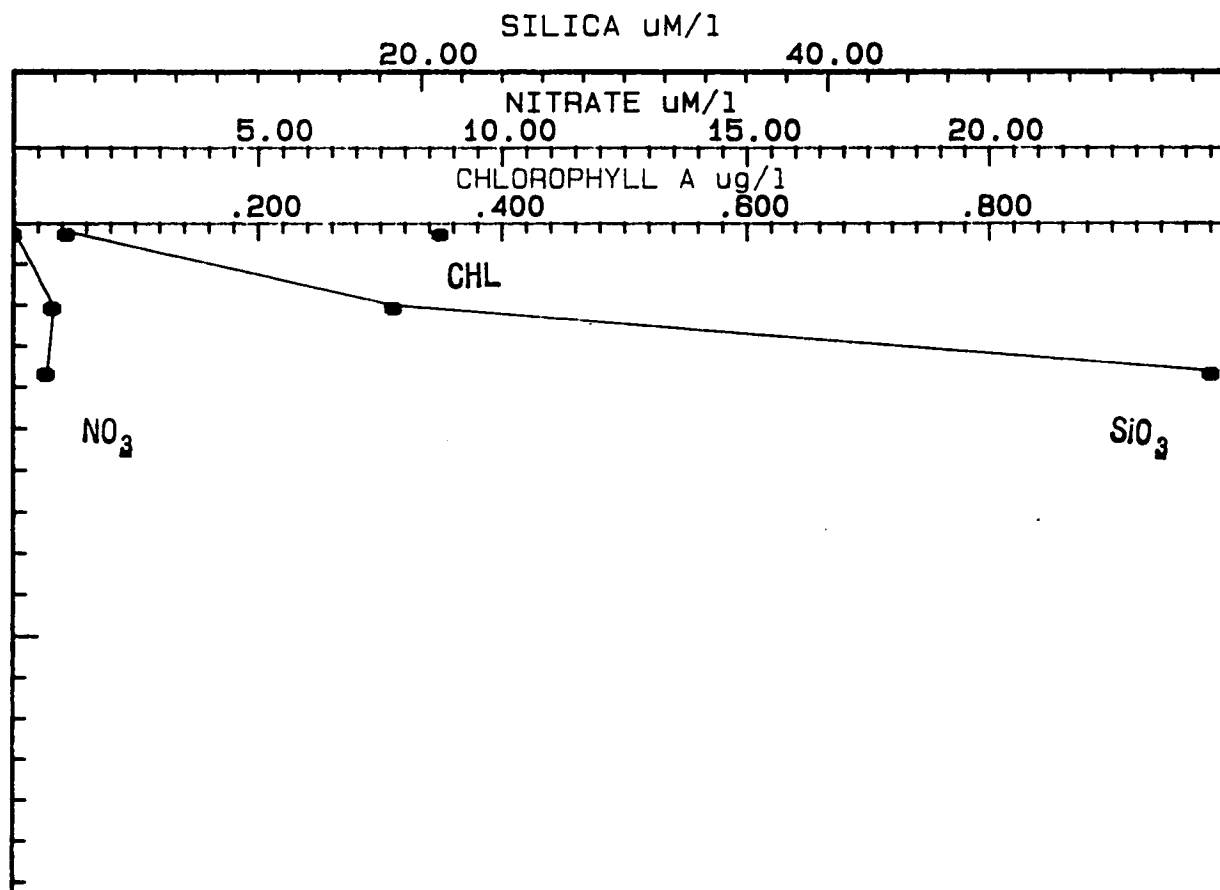
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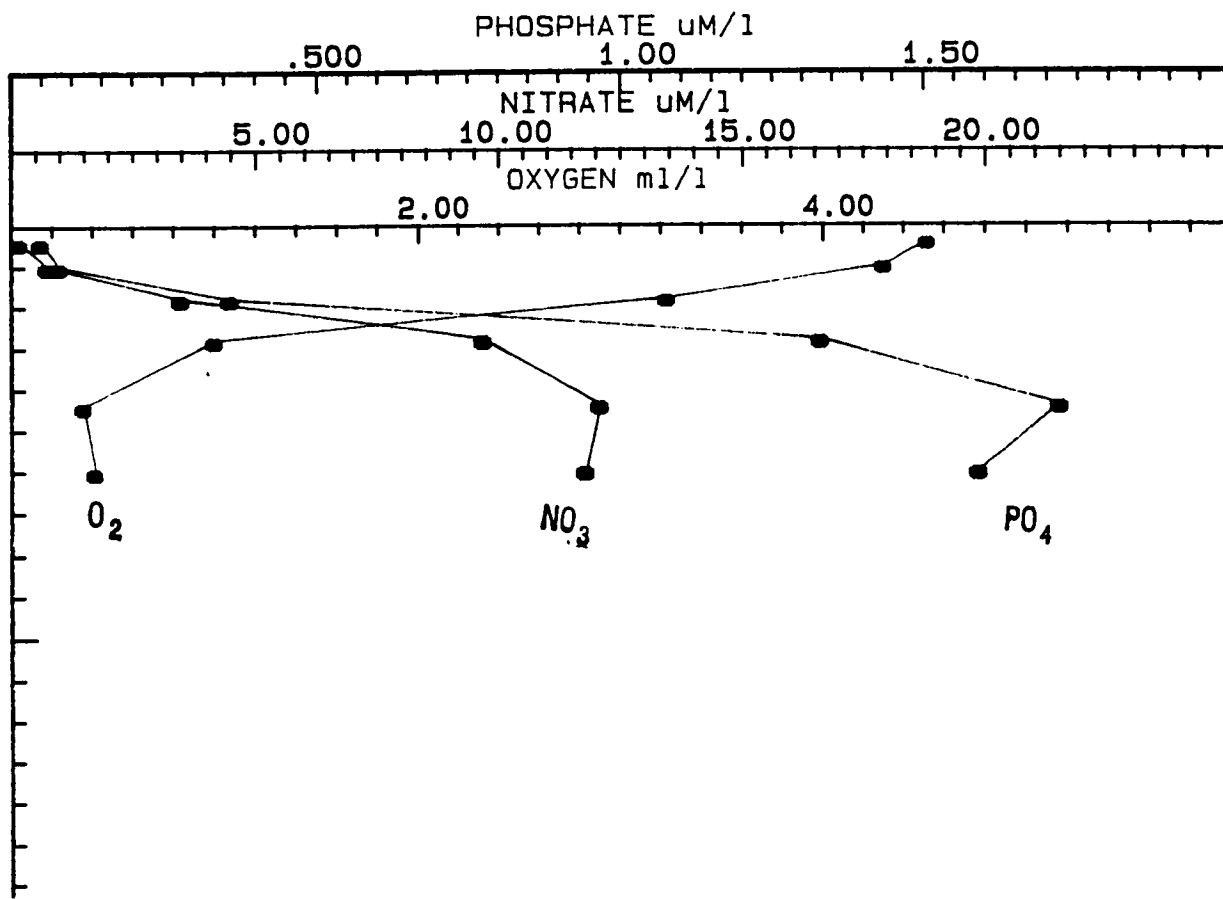
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CRUISE: 90G10 STATION: B90G10*91*1 DATE: 20JULY90
 LATITUDE: 28 50.8 LONGITUDE: 90 30.5

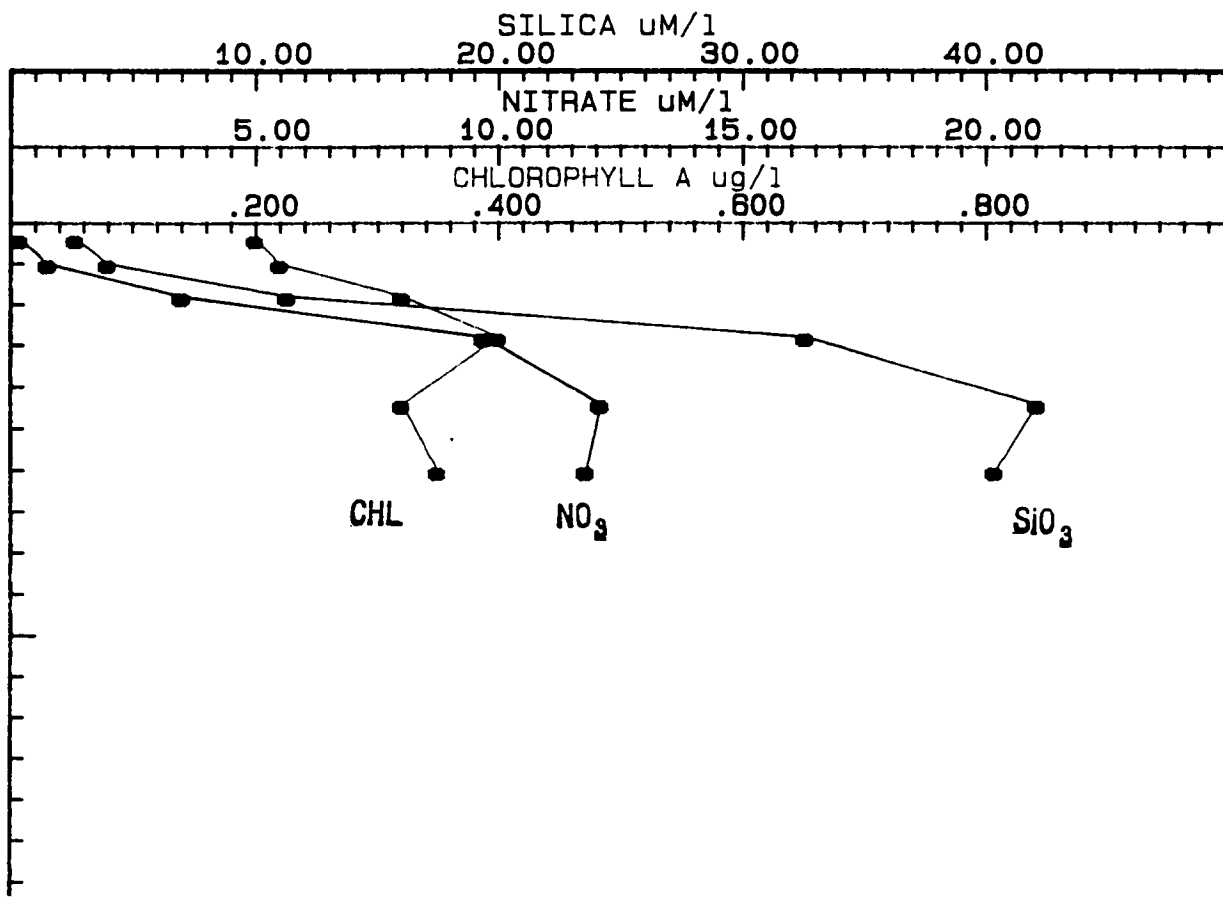
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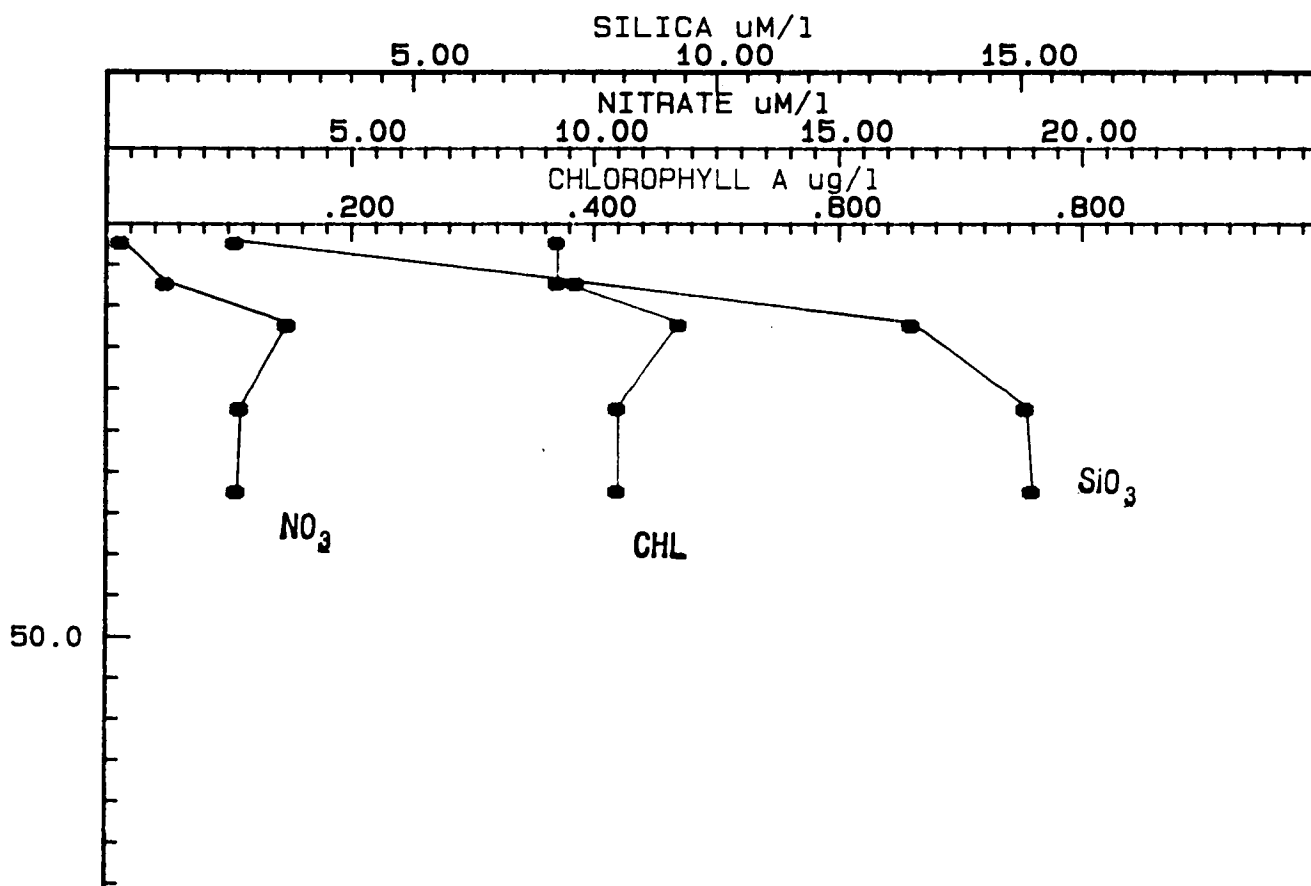
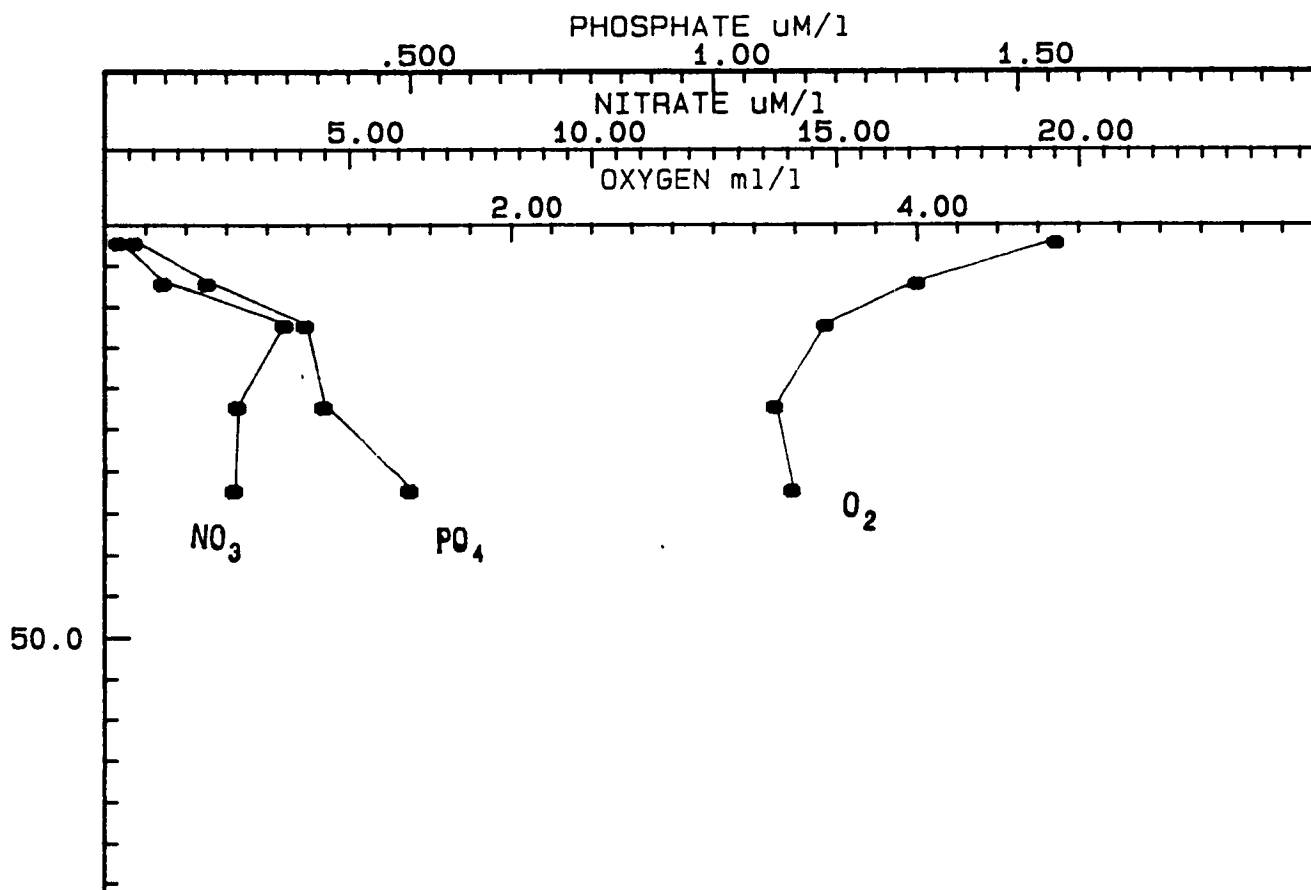


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CRUISE: 90G10 STATION: B90G10*82*1 DATE: 20JUL90
 LATITUDE: 28 37.5 LONGITUDE: 90 23.2



CRUISE: 90G10 STATION: B90G10*93*1 DATE: 21JULY90
 LATITUDE: 29 23.9 LONGITUDE: 88 48.8

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*94*1 DATE 21JULY90 GMT 1420 LATITUDE 29 10.5 LONGITUDE 89 50.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.72	5.33	-----	26.678	5.389	.29	.01	3.75	6.11	.30	.5
7	----	28.65	.28	-----	34.311	4.172	.29	.01	4.25	1.35	.09	.6
22	----	24.17	.29	-----	35.910	3.342	.05	.38	14.10	4.23	1.52	.7
31	----	23.54	.13	-----	36.030	3.156	.06	.41	14.60	5.71	.70	.3
42	----	23.04	.10	-----	36.173	3.404	.06	.46	12.30	5.95	.24	.6
54	----	21.73	.18	-----	36.222	3.202	.08	.57	15.10	6.82	.20	.6

CRUISE 90G10 STATION B90G10*95*1 DATE 21JULY90 GMT 1542 LATITUDE 29 3.2 LONGITUDE 89 53.0

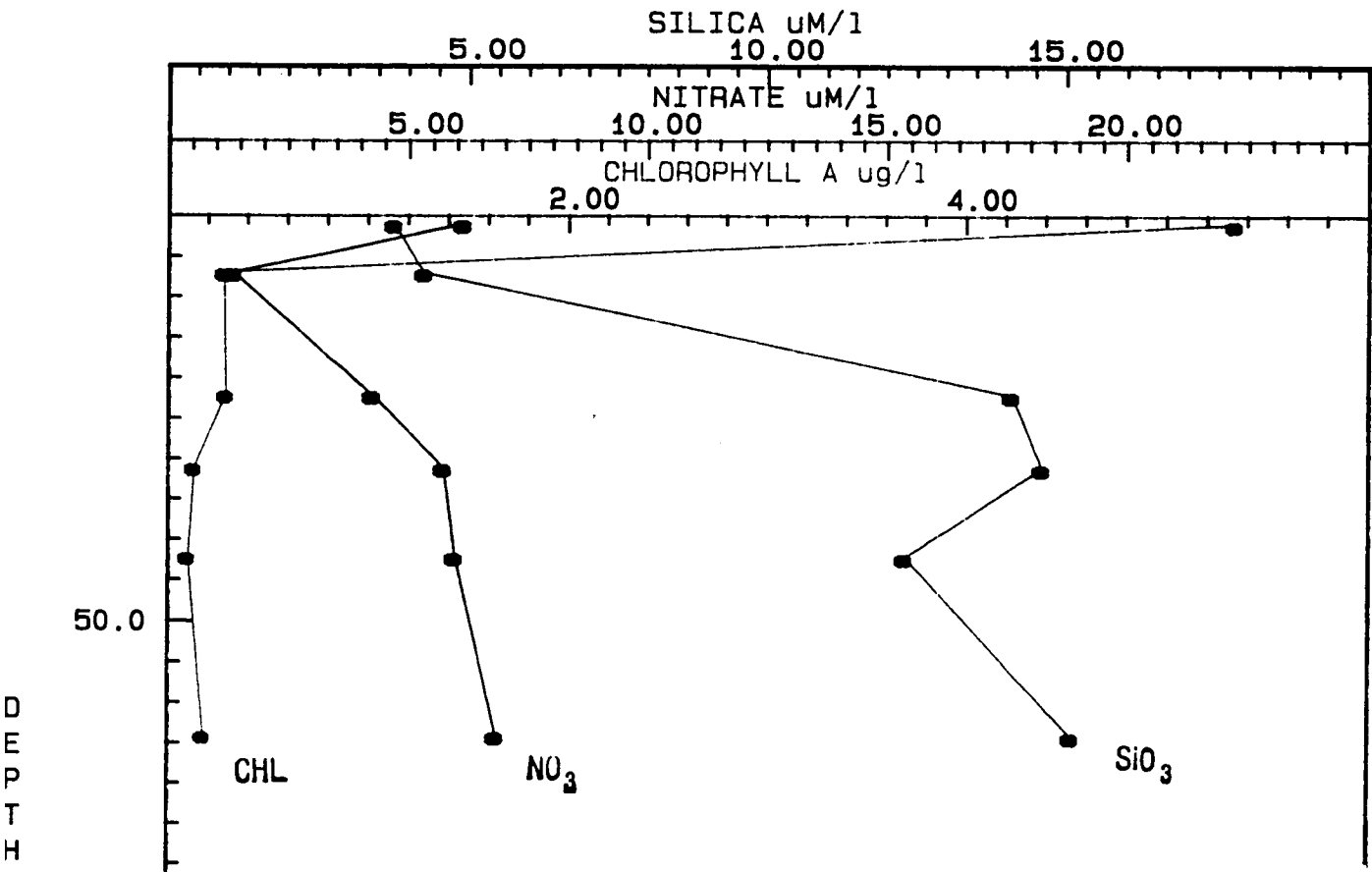
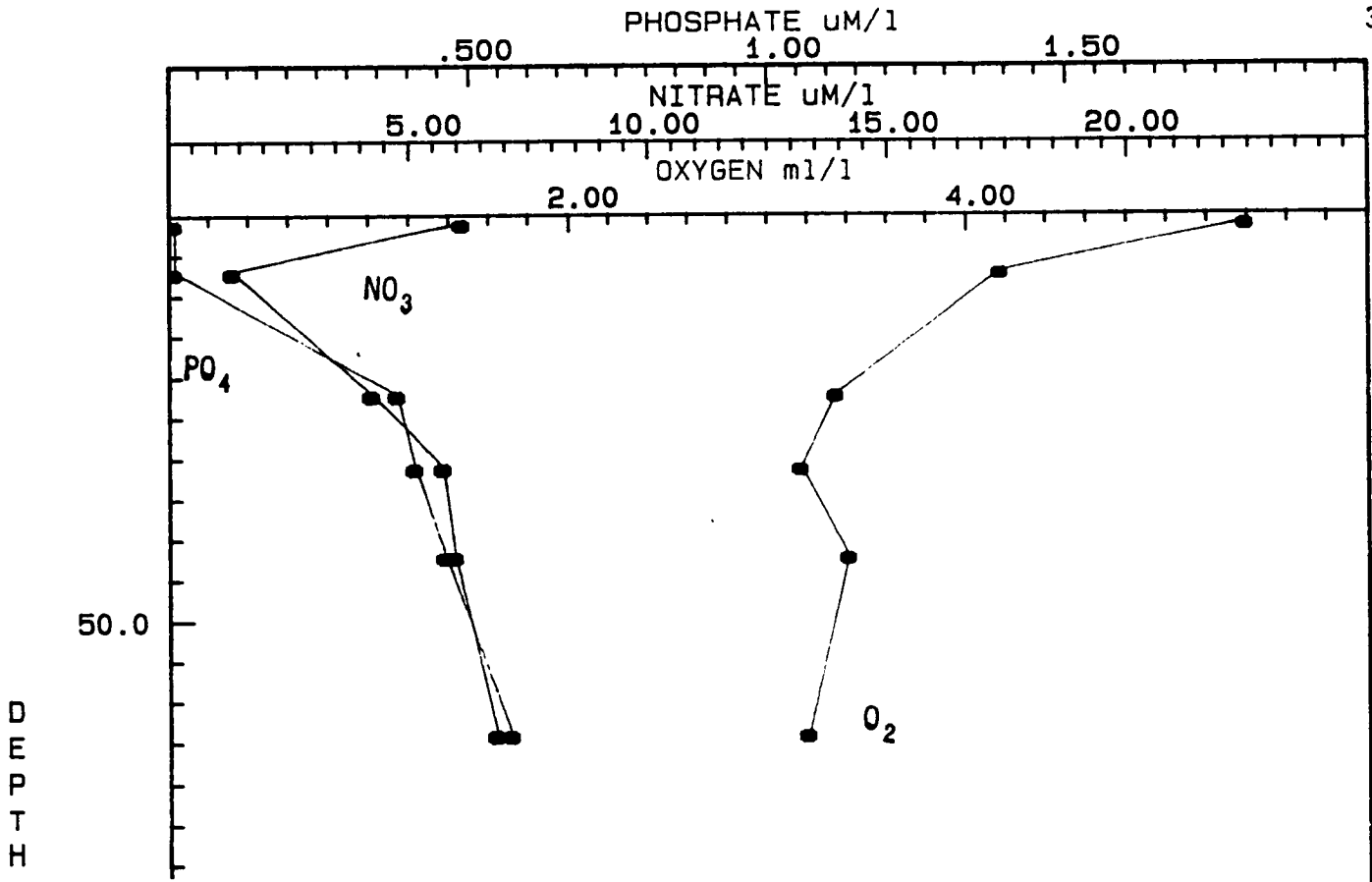
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.87	4.92	-----	20.063	5.697	1.77	.93	32.40	43.90	.92	1.2
6	----	28.57	1.97	-----	30.239	4.546	.45	.07	3.73	.45	.06	.5
12	----	28.72	-----	-----	35.386	4.129	.26	.10	5.86	1.31	.28	.5
31	----	23.94	-----	-----	36.114	3.464	.03	.36	13.00	4.94	.57	.6
61	----	21.85	-----	-----	36.240	3.506	.02	.44	12.60	5.64	.11	.4
72	----	20.43	-----	-----	36.318	3.223	.08	.59	13.40	7.13	.11	.5
81	----	19.79	-----	-----	36.349	2.997	.07	.71	13.60	9.20	.15	.4
103	----	18.22	-----	-----	36.341	2.798	.12	.87	13.20	11.70	.41	.5

CRUISE 90G10 STATION B90G10*96*1 DATE 21JULY90 GMT 1703 LATITUDE 28 55.2 LONGITUDE 89 1.9

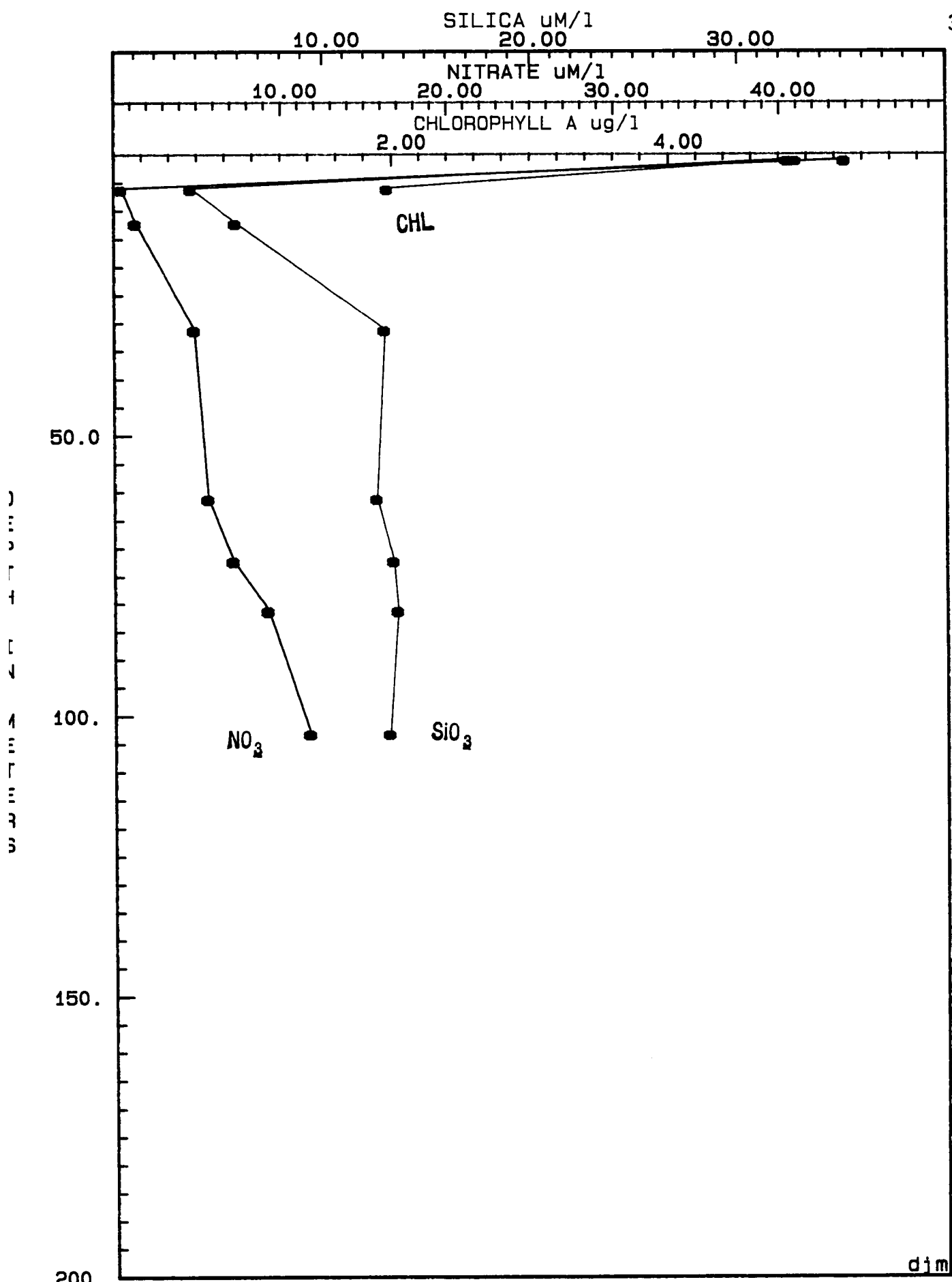
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.87	8.00	-----	25.803	5.728	1.01	.20	5.50	8.97	.46	.6
12	----	25.97	1.15	-----	33.915	3.499	1.32	.17	6.46	1.55	.90	.2
22	----	24.04	.34	-----	36.022	3.456	.07	.30	10.60	3.94	.81	.1
42	----	23.20	.26	-----	36.090	2.965	.05	.49	15.50	6.21	.08	.1
62	----	22.72	.24	-----	36.178	2.923	.05	.56	15.80	6.84	.10	0.0
72	----	22.52	.16	-----	36.190	2.892	.10	.61	15.30	7.34	.11	.1
82	----	21.22	.22	-----	36.232	3.081	.06	.67	13.60	7.05	.15	.2
101	----	19.23	.09	-----	36.358	3.102	.05	.67	9.86	9.52	.11	.4
116	----	17.24	.06	-----	36.297	2.871	.06	.83	10.10	13.00	.29	.3

CRUISE 90G10 STATION B90G10*97*1 DATE 21JULY90 GMT 1822 LATITUDE 28 51.3 LONGITUDE 89 1.9

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.39	7.79	-----	24.278	7.705	.79	.18	4.33	9.90	.60	.5
11	----	27.40	.58	-----	33.864	2.501	1.60	.53	10.80	7.11	2.71	.7
21	----	25.11	.29	-----	35.759	2.714	.07	.43	12.20	5.43	1.98	.2
41	----	23.96	.21	-----	36.065	3.099	.07	.48	12.50	6.62	.50	.1
61	----	22.23	.08	-----	36.321	4.788	.52	.12	3.49	.73	.43	.2
71	----	21.37	.09	-----	36.264	4.587	.11	.14	5.09	1.30	.19	.2
81	----	20.96	.12	-----	36.301	3.599	.05	.39	9.24	5.20	.05	.2
100	----	18.50	.20	-----	36.761	3.068	.03	.64	8.34	10.80	.06	.3
121	----	17.21	.17	-----	36.300	2.895	.05	.74	8.67	13.40	.23	.2

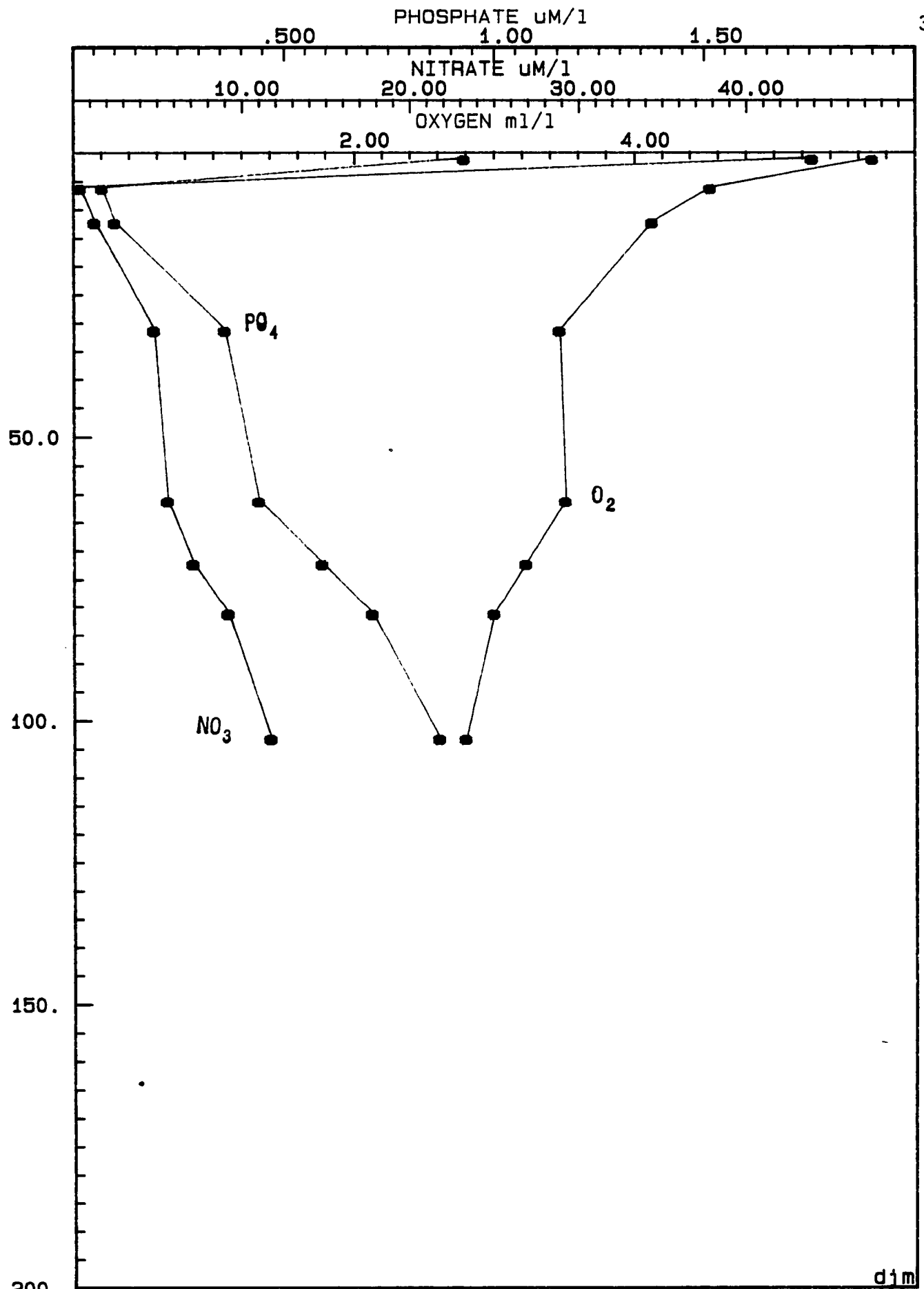


CRUISE: 90G10 STATION: B90G10*94*1 DATE: 21JULY90
LATITUDE: 29 12.5 LONGITUDE: 88 50.9



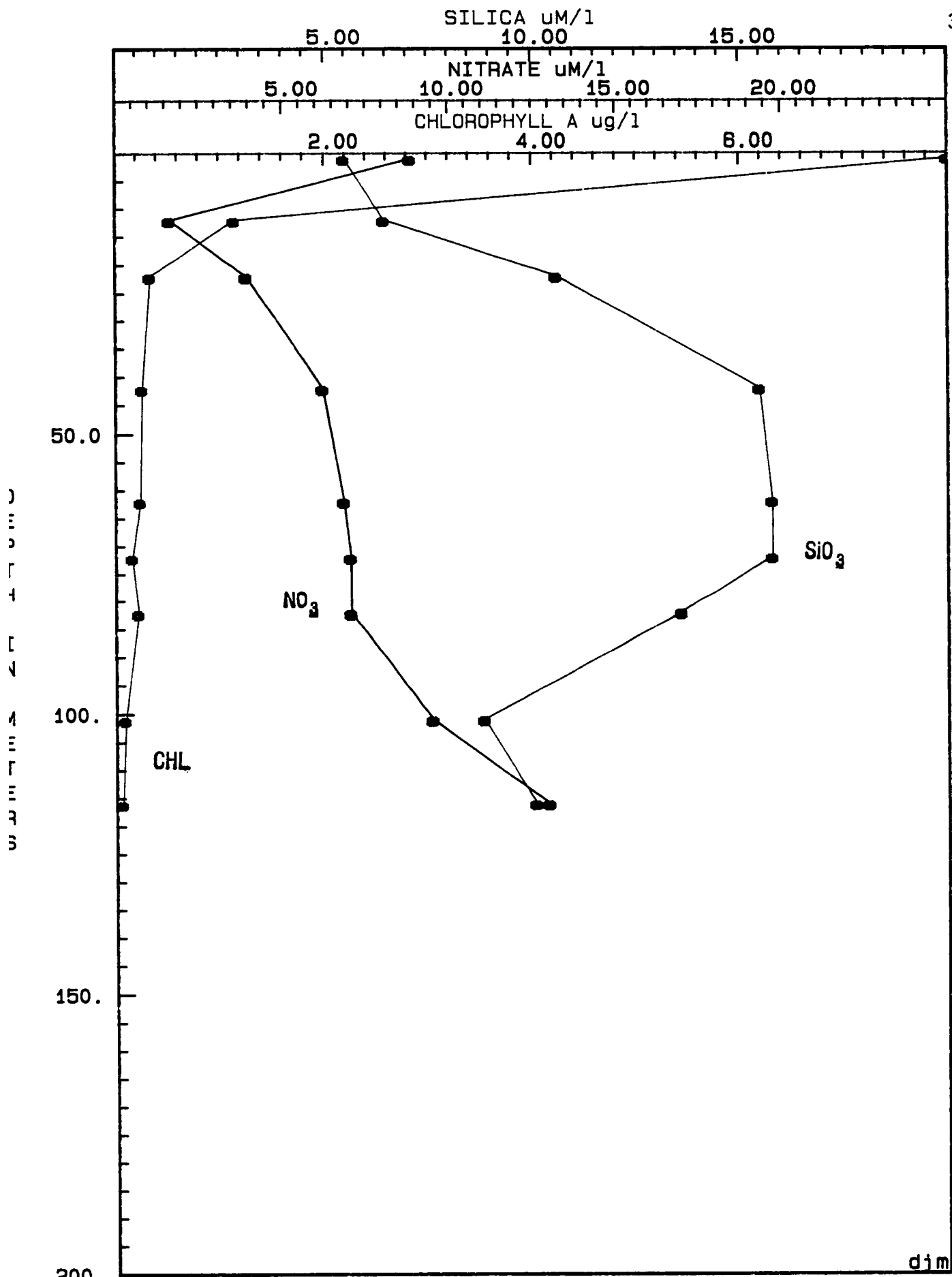
CRUISE: 90G10 STATION: B90G10*95*1 DATE: 21JULY90
LATITUDE: 29 3.2 LONGITUDE: 88 53.0

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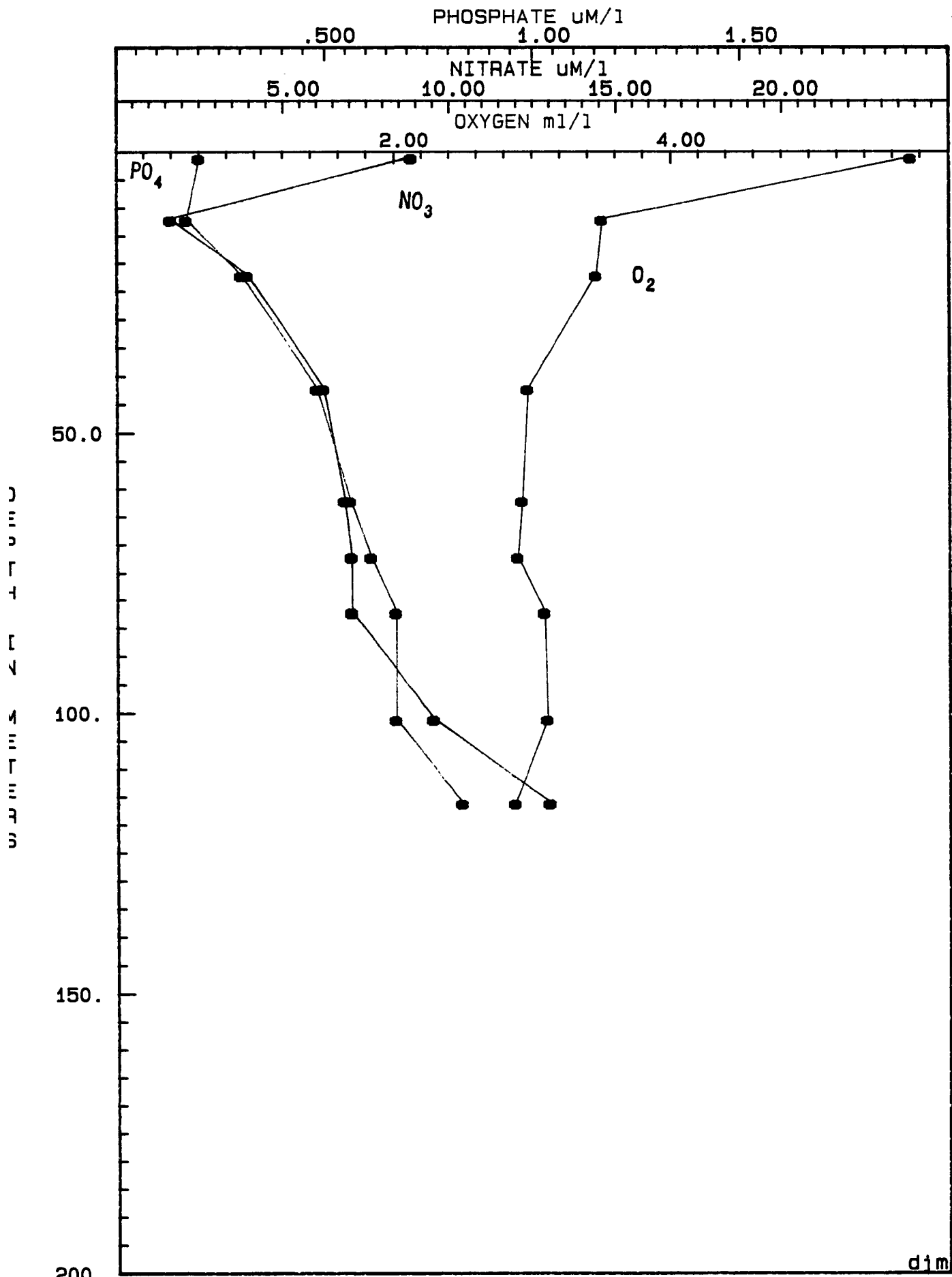
CRUISE: 90G10 STATION: B90G10*95*1 DATE: 21JULY90
LATITUDE: 29 3.2 LONGITUDE: 88 53.0

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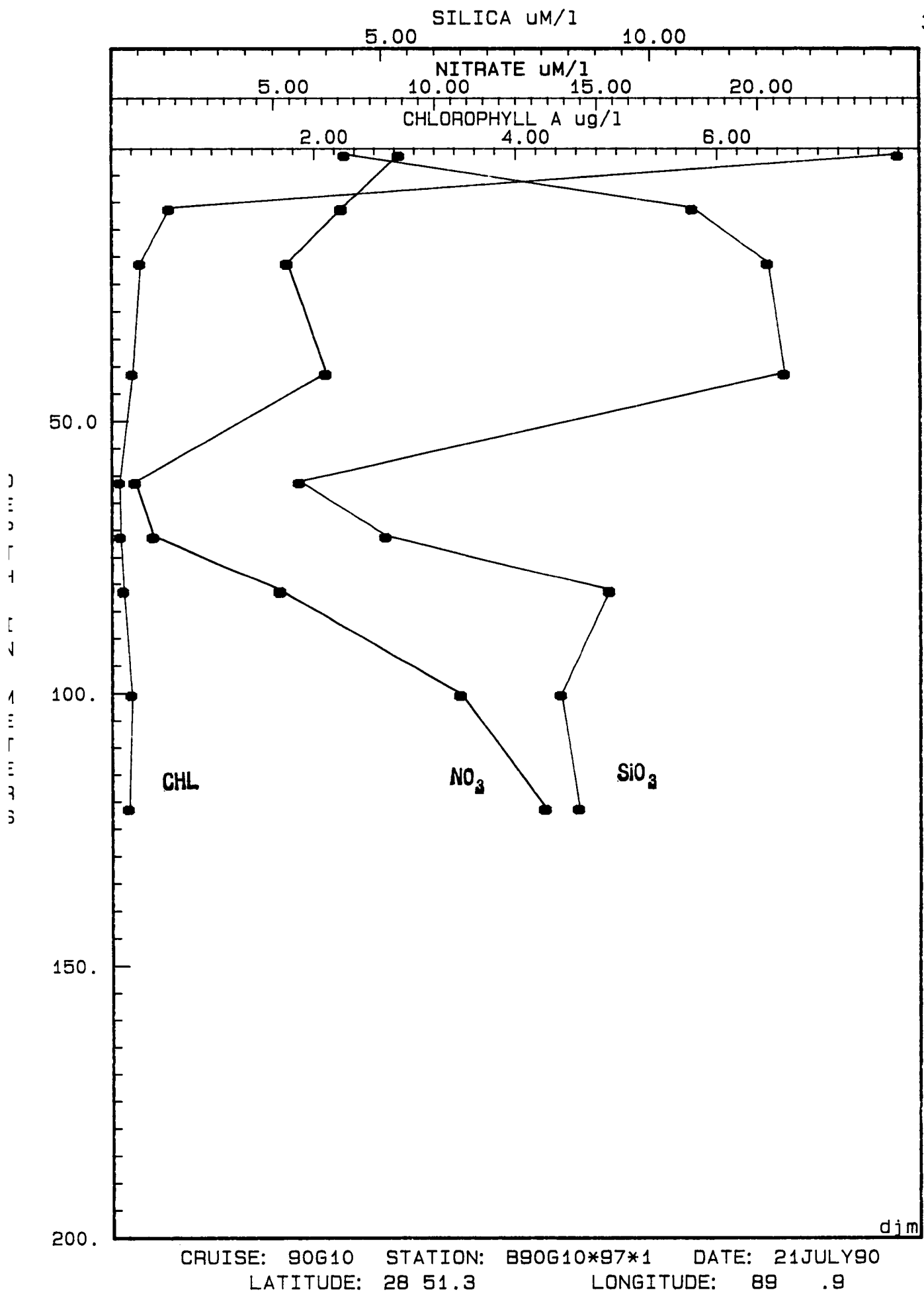


CRUISE: 90G10 STATION: B90G10*98*1 DATE: 21JULY90
LATITUDE: 28 55.2 LONGITUDE: 89 .9

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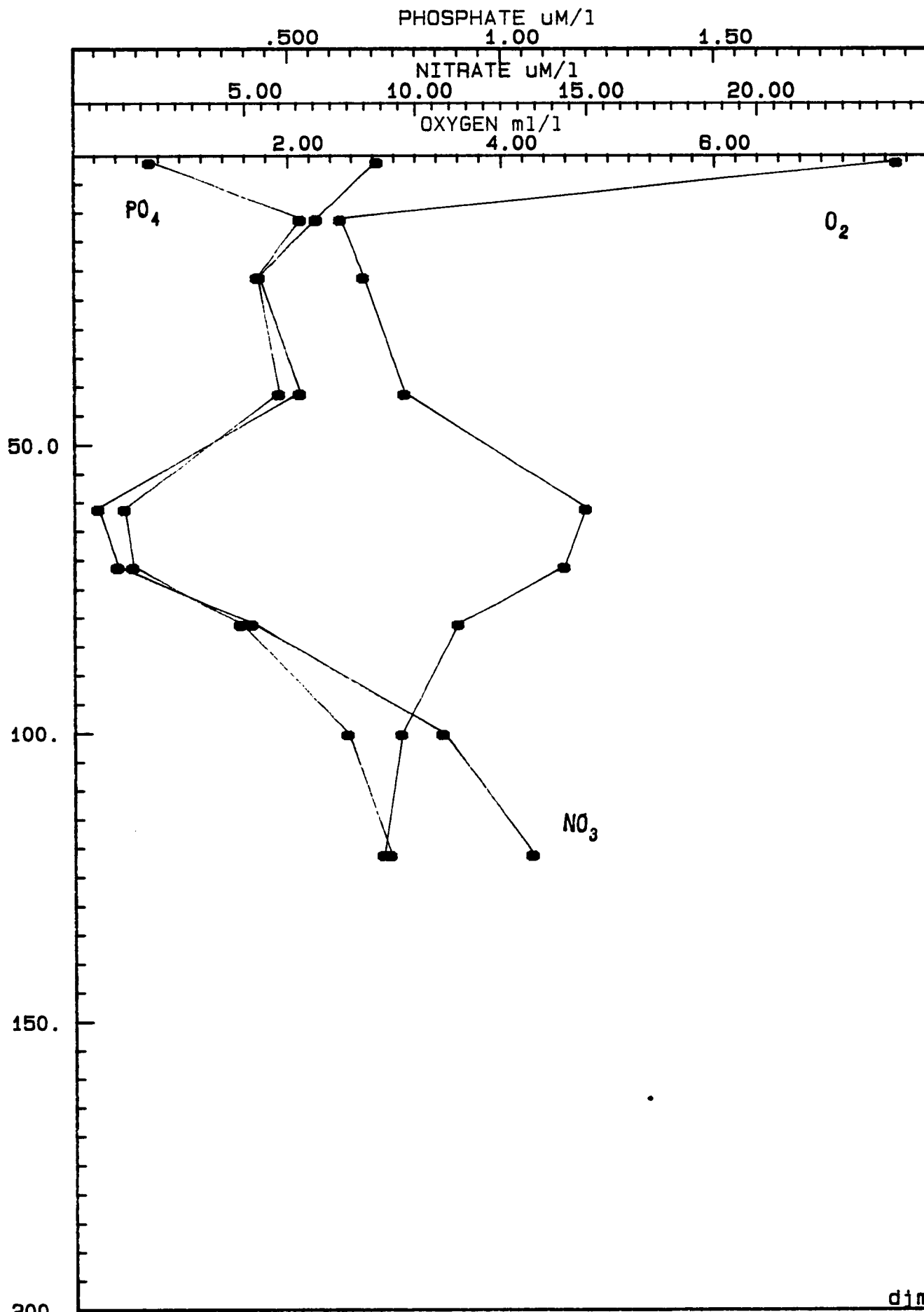


CRUISE: 90G10 STATION: B90G10*98*1 DATE: 21JULY90
LATITUDE: 28 55.2 LONGITUDE: 89 .8



CRUISE: 90G10 STATION: B90G10*97*1 DATE: 21JULY90
 LATITUDE: 28 51.3 LONGITUDE: 89 .9

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CRUISE: 90G10 STATION: B90G10*97*1 DATE: 21JULY90
 LATITUDE: 28 51.3 LONGITUDE: 89 .9

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TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B90G10*98*1 DATE 21JULY90 GMT 1941 LATITUDE 29 50.3 LONGITUDE 89 21.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.42	5.74	-----	27.013	6.752	.47	.09	2.72	2.46	.45	.3
11	----	28.00	5.74	-----	32.250	3.359	1.12	.22	7.19	4.13	1.96	.3
26	----	24.76	.26	-----	35.864	2.757	.03	.38	12.10	6.83	1.34	.0
41	----	23.95	.21	-----	35.964	2.579	.05	.43	13.40	8.55	.12	.2
62	----	22.84	.26	-----	36.104	3.183	.18	.54	12.20	6.86	.36	.4

CRUISE 90G10 STATION B90G10*99*1 DATE 21JULY90 GMT 1941 LATITUDE 29 50.8 LONGITUDE 89 21.9

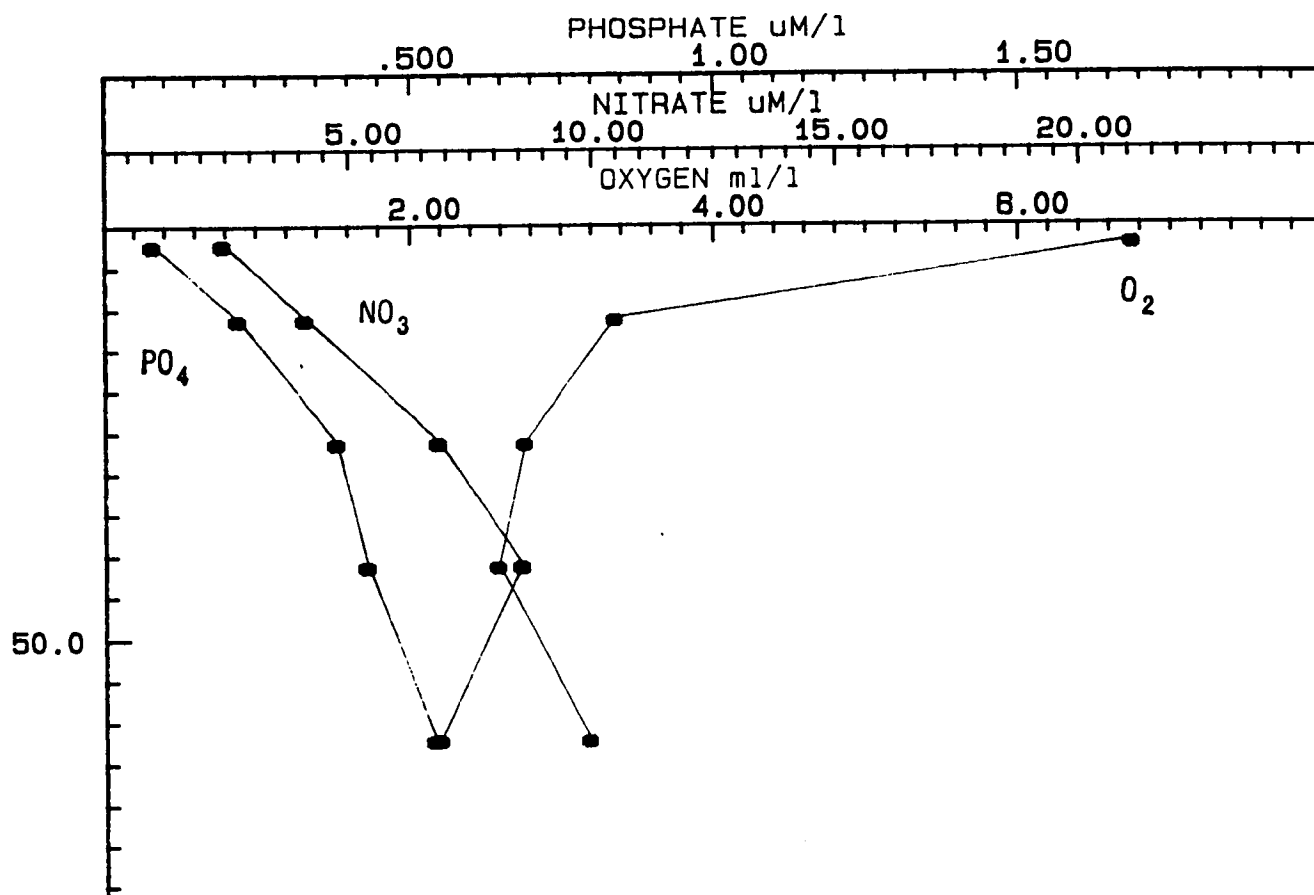
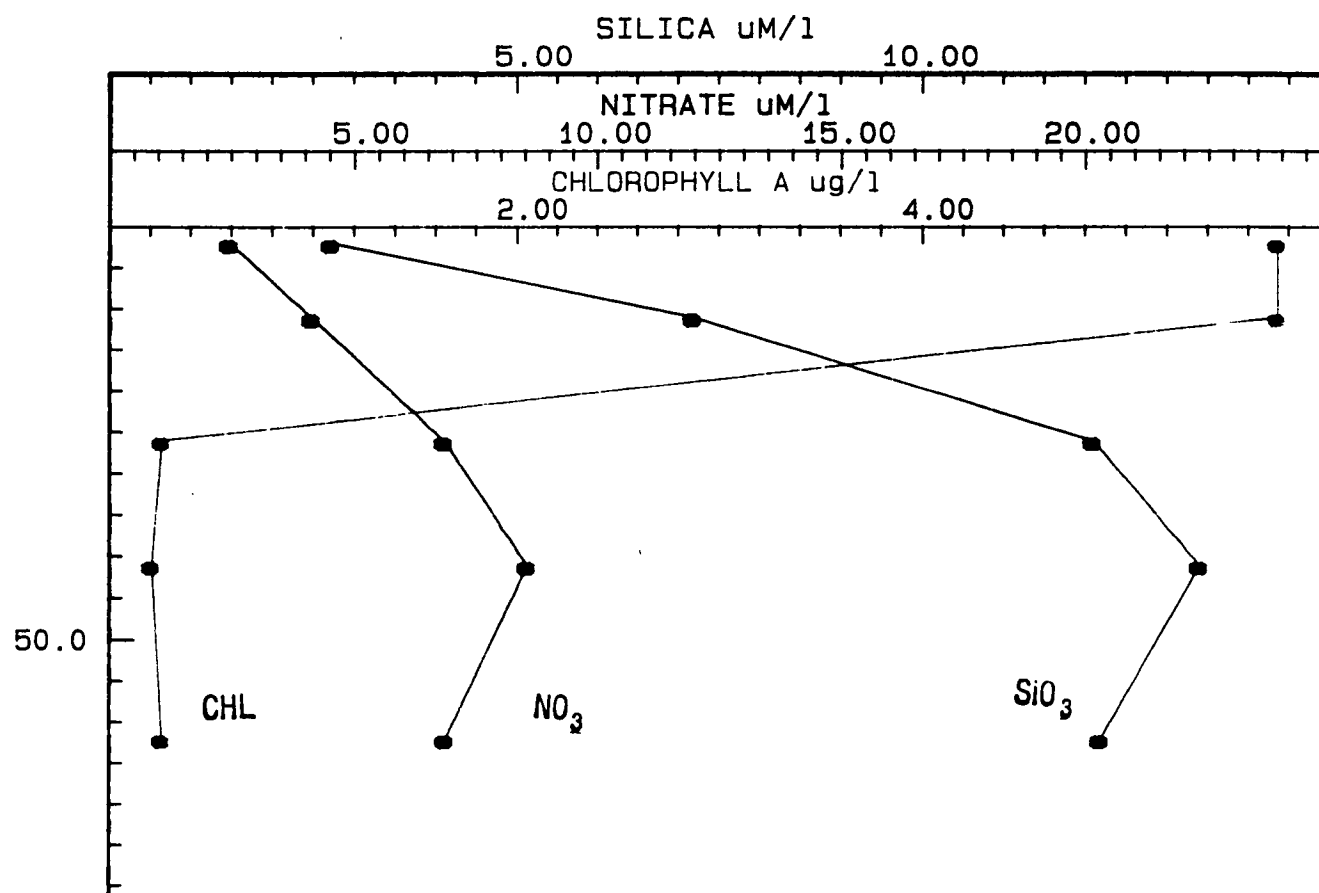
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.95	8.20	-----	17.751	6.854	1.34	.18	25.40	30.70	.48	1.0
17	----	27.83	.37	-----	35.501	3.722	.08	.16	6.71	2.09	1.19	1.1
31	----	24.94	.26	-----	35.921	3.703	.06	.41	8.45	4.10	.22	.5
46	----	23.56	.20	-----	36.080	3.162	.08	.43	11.30	5.34	.46	.6
58	----	22.29	.18	-----	36.167	4.105	.48	.27	7.70	3.02	.66	.7

CRUISE 90G10 STATION B90G10*100*1 DATE 21JULY90 GMT 2028 LATITUDE 29 1.3 LONGITUDE 89 41.0

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	29.52	8.00	-----	17.477	7.044	1.75	.05	5.21	27.50	.65	.6
7	----	28.56	7.79	-----	22.046	3.857	6.50	.13	10.50	21.20	1.16	1.2
17	----	26.57	.42	-----	35.375	3.343	.05	.33	8.64	5.72	.38	.3
27	----	25.51	.31	-----	35.981	4.042	.06	.19	6.05	2.64	1.13	.3
38	----	24.18	.32	-----	36.015	3.840	.09	.45	8.73	4.42	.38	.4

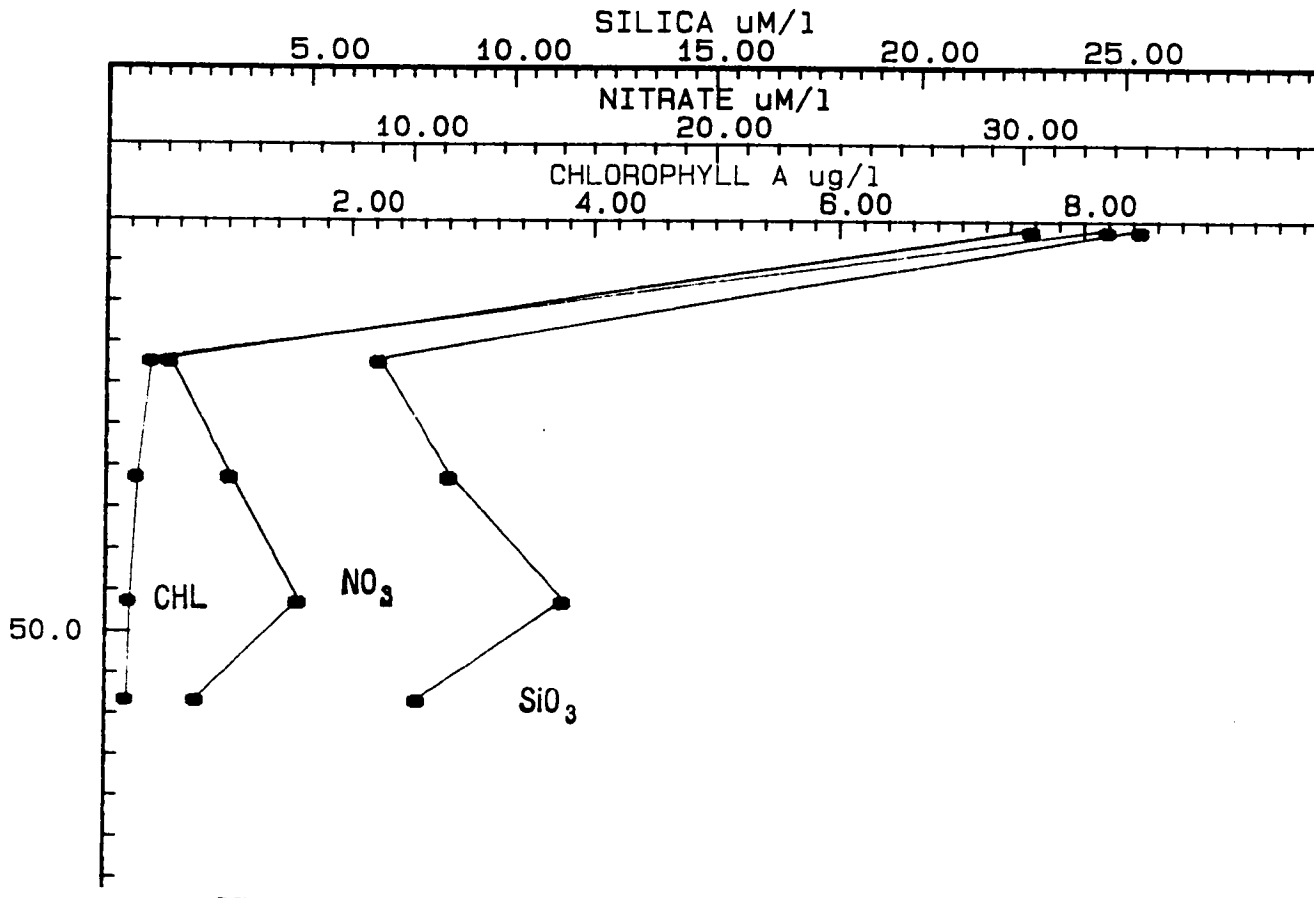
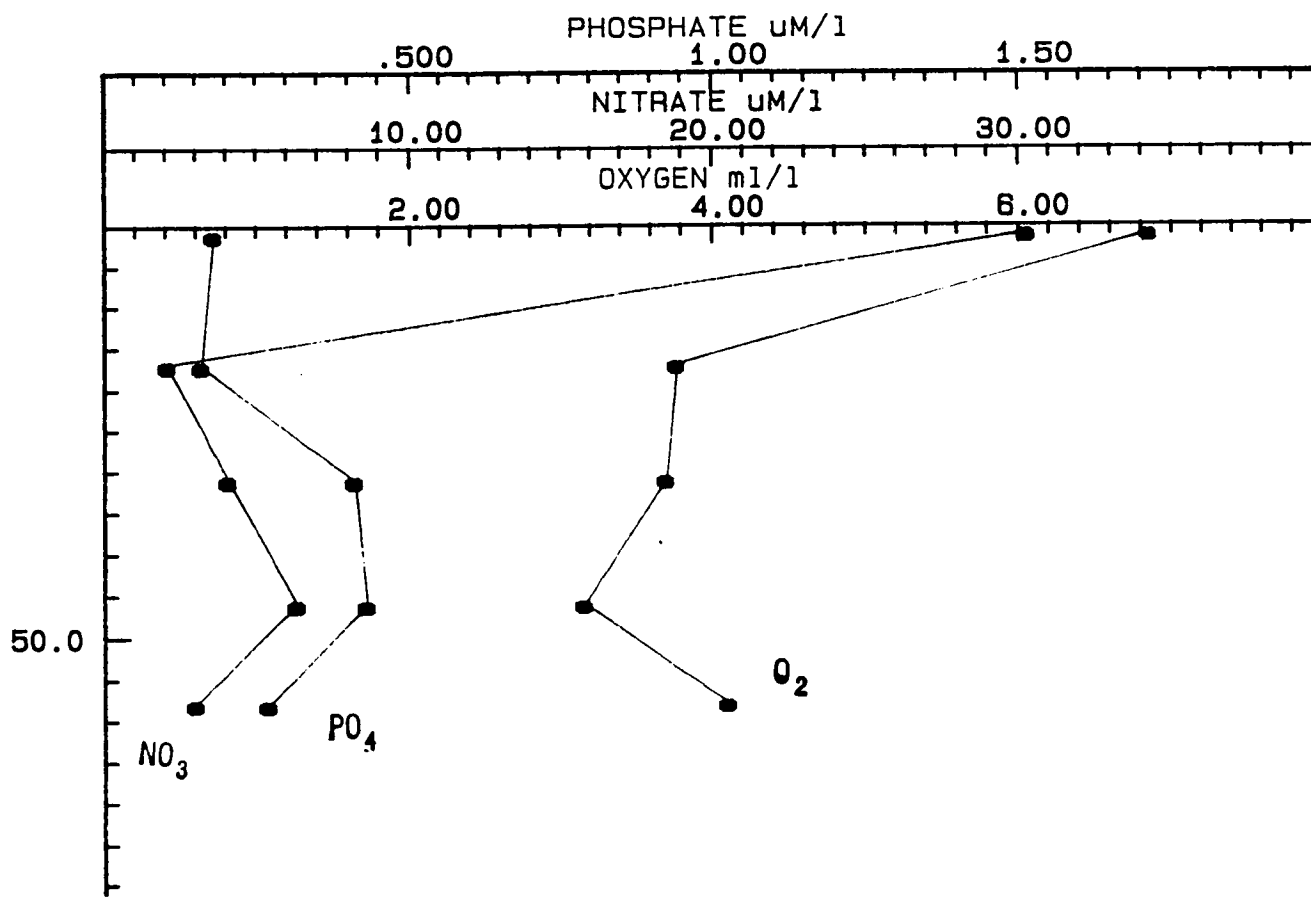
CRUISE 90G10 STATION B90G10*101*2 DATE 22JUL90 GMT 1104 LATITUDE 29 15.9 LONGITUDE 89 34.2

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
2	----	28.98	.11	-----	34.124	4.543	.09	.03	2.40	.40	.05	.2
52	----	22.67	.17	-----	36.293	5.003	.10	.05	3.26	.45	.09	.2
77	----	20.44	.12	-----	36.401	4.186	.08	.15	3.92	2.90	.34	.2
101	----	16.29	.08	-----	36.402	3.422	.17	.55	5.47	9.83	.12	.6
150	----	-----	.03	-----	36.166	3.130	.10	.84	7.40	15.40	.10	.4
199	----	14.94	.02	-----	35.945	3.295	.10	.99	3.28	14.90	.11	.5
250	----	13.15	.03	-----	35.658	3.062	.12	1.22	10.90	19.70	.17	.3
298	----	11.97	.07	-----	35.482	2.899	.14	1.39	17.20	22.70	.14	.4
399	----	9.87	.02	-----	35.130	2.765	.09	1.70	17.70	29.30	.17	.2
751	----	5.79	.08	-----	34.893	3.557	.08	1.86	27.60	31.70	.17	.3

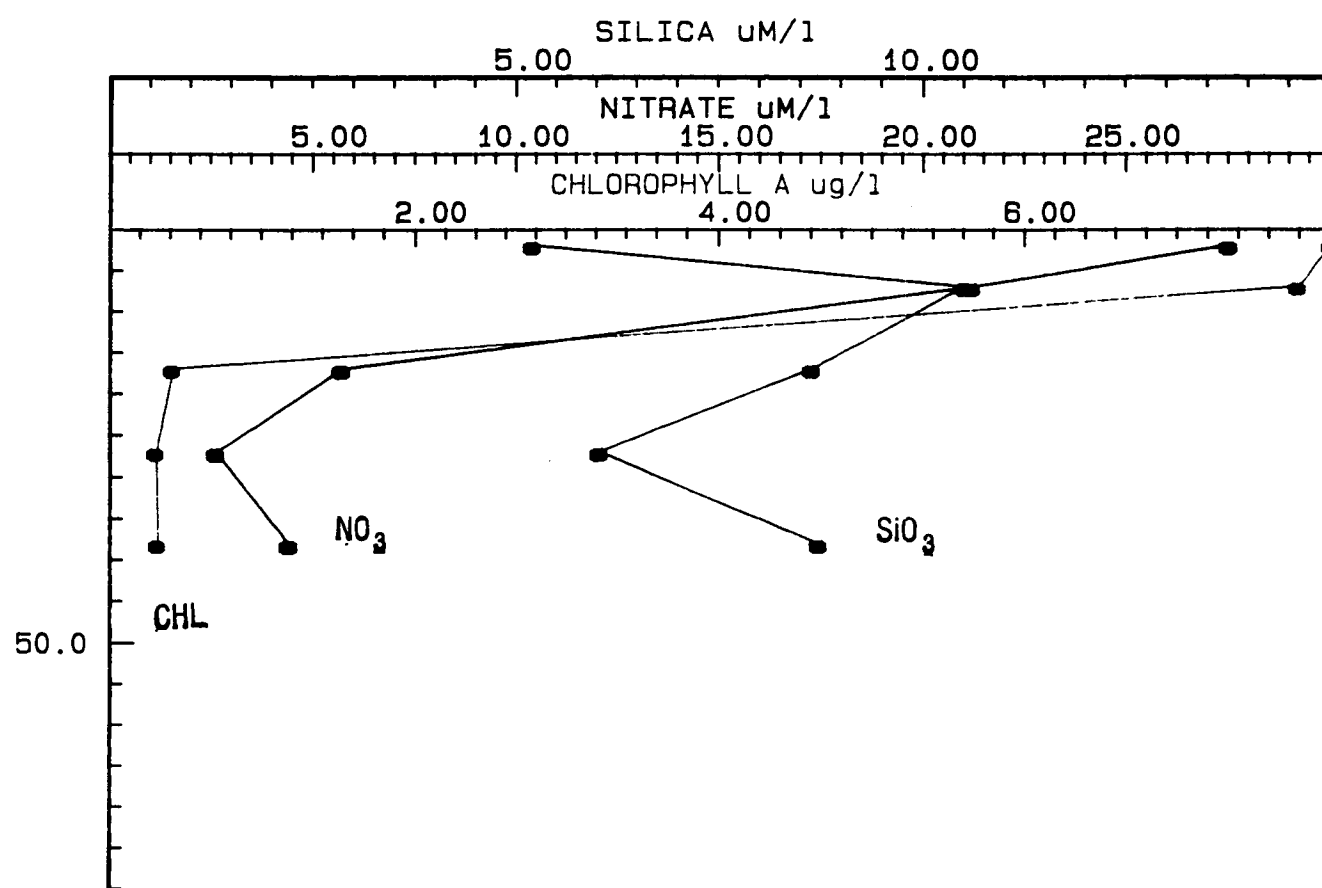
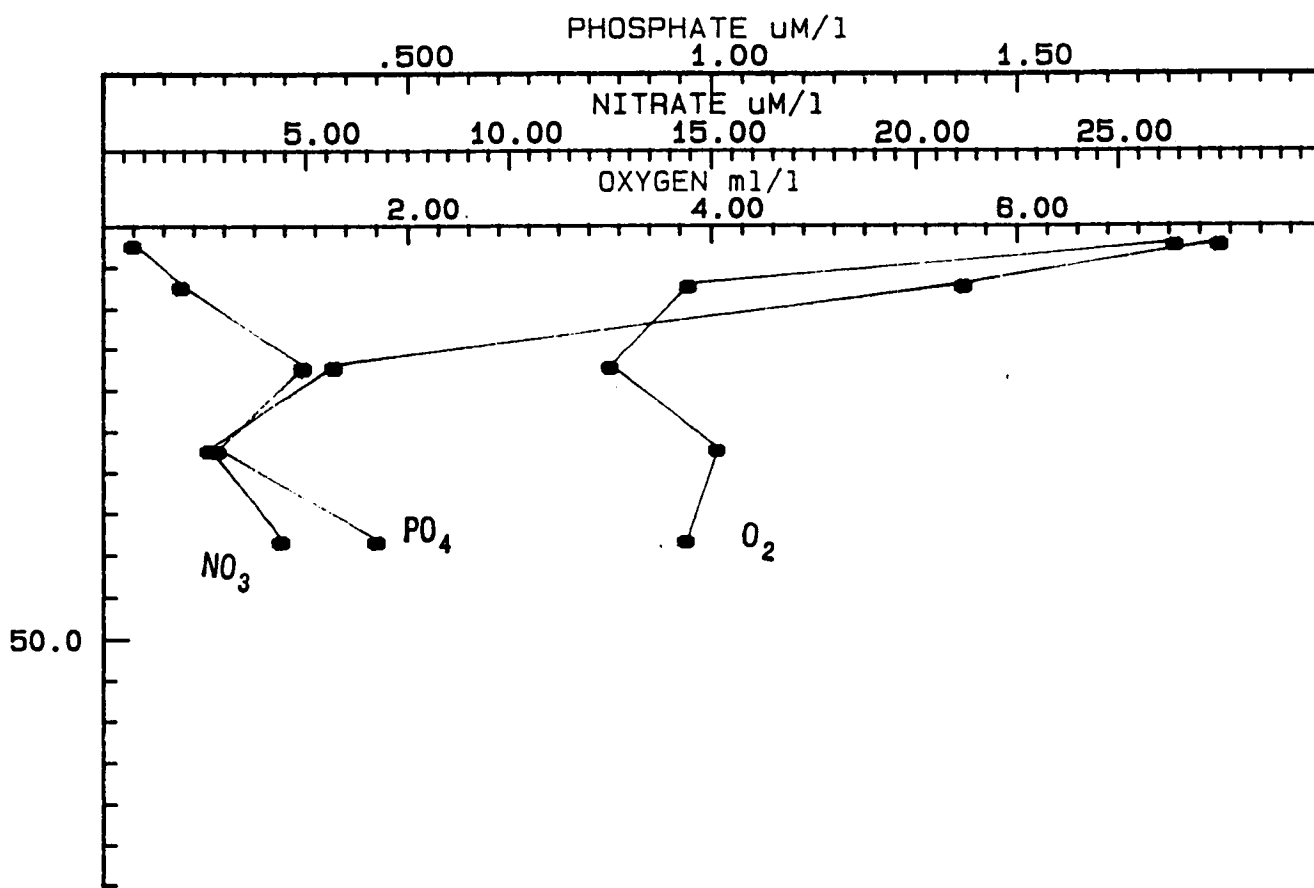
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CRUISE: 90G10 STATION: B90G10*98*1 DATE: 21JULY90
 LATITUDE: 28 50.8 LONGITUDE: 89 21.9

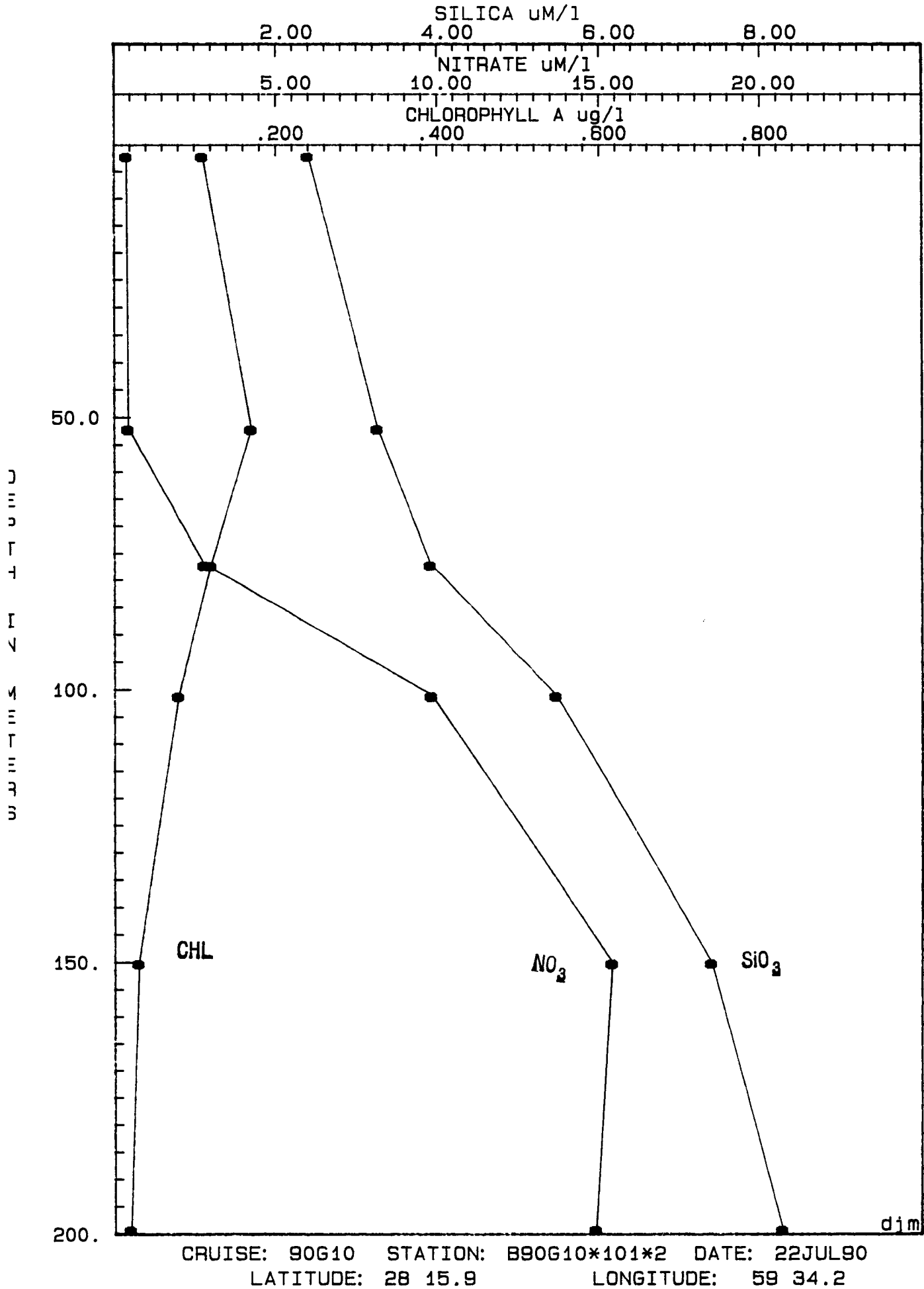
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CRUISE: 90G10 STATION: B90G10*98*1 DATE: 21JULY90
 LATITUDE: 28 50.8 LONGITUDE: 89 21.9

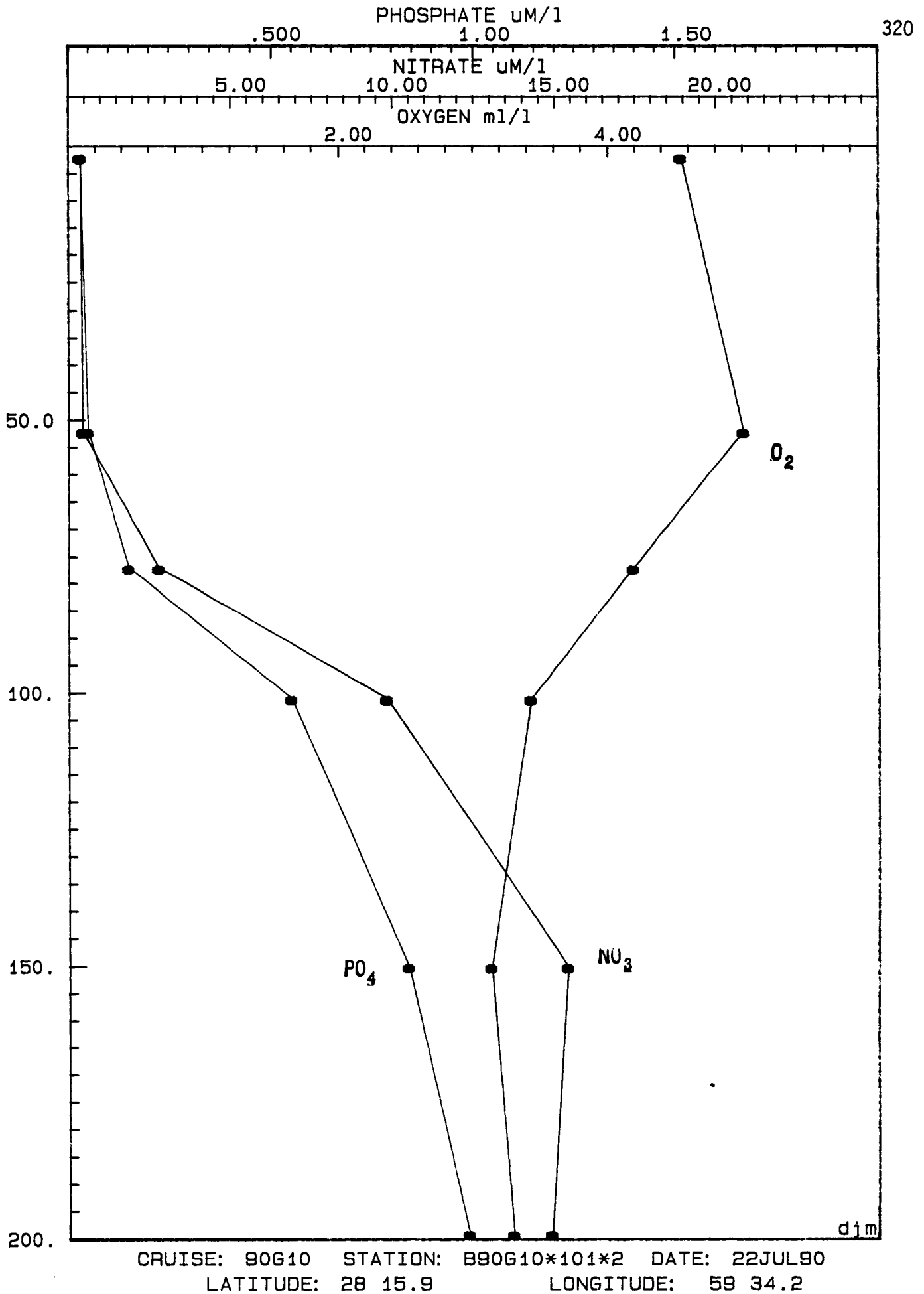


CRUISE: 90G10 STATION: B90G10*100*1 DATE: 21JULY80
 LATITUDE: 29 1.3 LONGITUDE: 89 41.2



CRUISE: 90G10 STATION: B90G10*101*2 DATE: 22JUL90
LATITUDE: 28 15.9 LONGITUDE: 59 34.2

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U.S. DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION B*0610*100*1 DATE 22JUL90 GMT 1224 LATITUDE 28 21.5 LONGITUDE 89 78.1

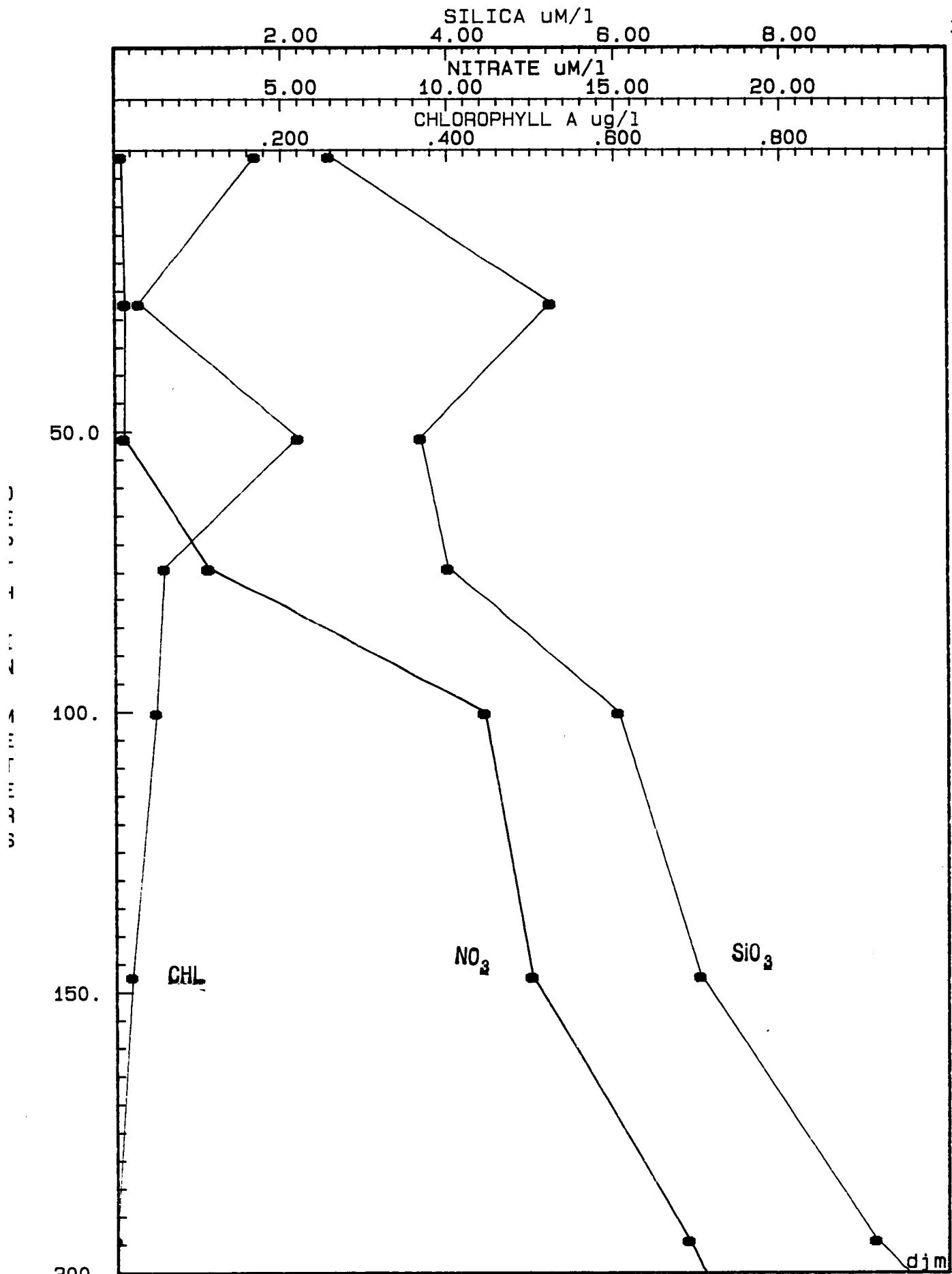
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP PPT	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	28.83	.17	-----	33.100	4.558	.19	.05	2.58	.22	.06	.3	
27	----	28.45	.17	-----	35.901	4.646	.19	.10	5.24	.32	.08	.2	
51	----	28.20	.22	-----	36.295	4.961	.19	.08	3.68	.29	.10	.1	
74	----	20.25	.06	-----	36.336	4.217	.12	.19	4.01	2.82	.20	.1	
100	----	18.43	.05	-----	36.410	3.204	.15	.30	6.04	11.10	.12	.6	
147	----	16.35	.02	-----	36.206	3.297	.18	.80	7.03	12.50	.10	.6	
194	----	14.45	0.00	-----	35.877	3.188	.12	1.04	9.13	17.20	.12	.6	
247	----	12.95	0.00	-----	35.647	2.884	.11	1.29	12.60	21.70	.14	.4	
299	----	11.42	.01	-----	35.418	2.774	.17	1.49	14.90	26.60	.15	.5	
400	----	9.73	0.00	-----	35.175	2.739	.10	1.72	18.20	30.00	.17	.3	
500	----	8.11	.11	-----	34.981	2.850	.10	1.89	21.90	32.50	.17	.3	

CRUISE 90G10 STATION B*0610*103*1 DATE 22JUL90 GMT 1350 LATITUDE 28 26.6 LONGITUDE 89 42.1

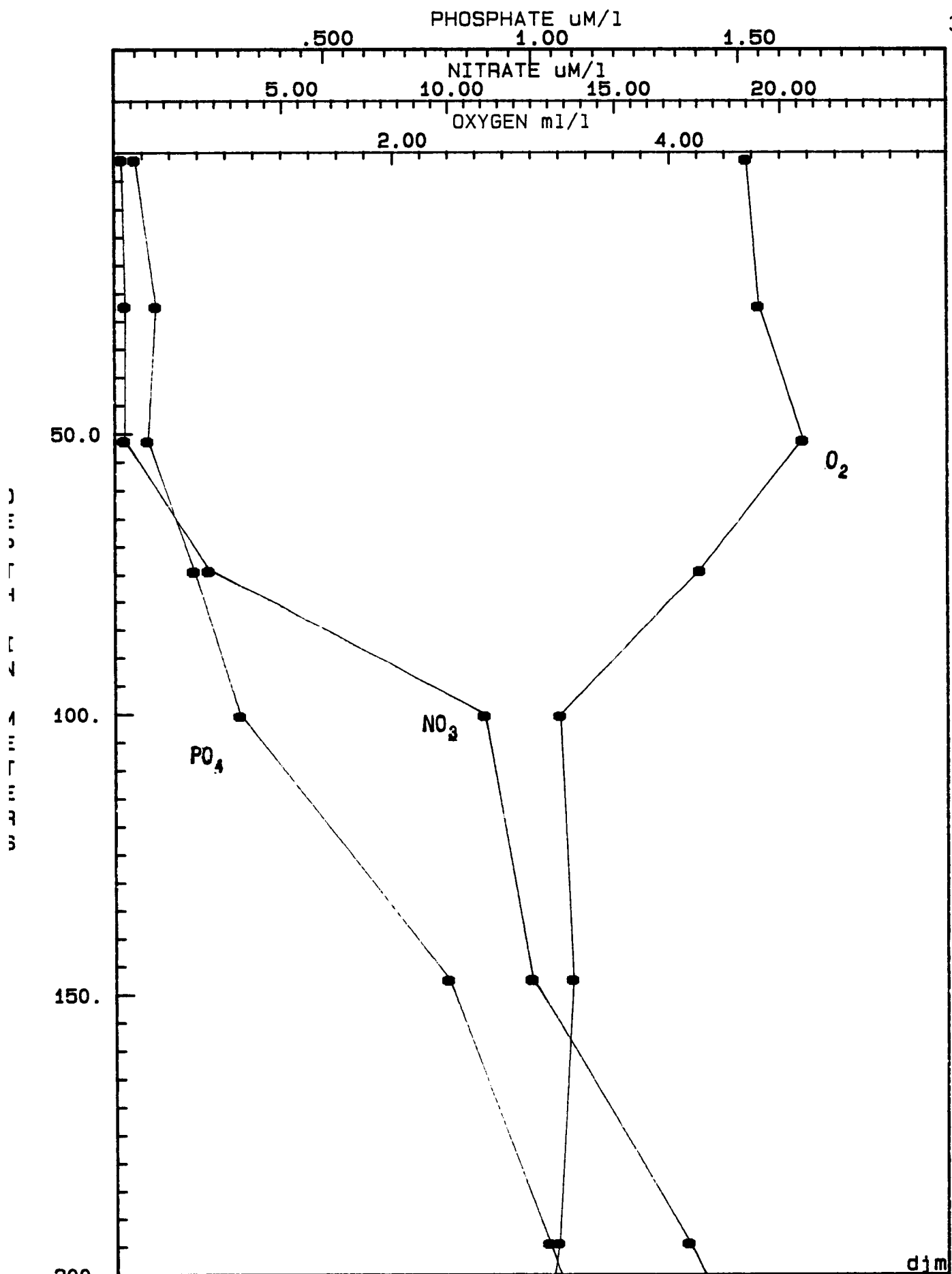
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP PPT	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.03	-----	-----	33.151	4.595	.12	.01	4.47	.44	.03	.3	
28	----	27.69	-----	-----	35.932	4.502	.08	.06	7.30	.89	.06	.2	
53	----	22.21	.18	-----	36.207	3.556	.11	.28	17.00	4.17	.16	.2	
77	----	19.81	.07	-----	36.345	3.297	.14	.48	9.76	9.14	.07	.4	
101	----	17.34	.03	-----	36.282	3.044	.08	.71	8.73	14.40	.06	.2	
149	----	15.17	0.00	-----	35.979	3.170	.12	.92	10.10	17.10	.06	.4	
199	----	13.61	0.00	-----	35.739	2.965	.10	1.17	12.90	21.10	.06	.3	
249	----	12.34	.01	-----	35.554	2.850	.10	1.34	15.00	23.50	.07	.3	
301	----	11.34	.01	-----	35.397	2.834	.09	1.46	16.10	25.30	.08	.3	
397	----	9.64	.01	-----	35.161	2.741	.07	1.70	20.20	29.10	.09	.3	
636	----	7.84	.01	-----	34.896	3.152	.10	1.92	28.40	31.90	.10	.3	

CRUISE 90G10 STATION B*0610*104*1 DATE 22JUL90 GMT 1614 LATITUDE 28 31.5 LONGITUDE 89 46.4

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	TEMP PPT	SALINITY PPT	OXYGEN ml/l	NH4 um/l	PO4 um/l	Si(OH)4 um/l	NO3 um/l	NO2 um/l	URE um/l
1	----	29.14	.17	-----	31.260	4.605	.12	.02	8.79	.48	.02	.2	
11	----	29.19	.16	-----	34.662	4.604	.13	.03	9.26	.42	.03	.2	
26	----	26.99	.02	-----	35.841	4.720	.12	.07	10.20	.54	.07	.3	
51	----	22.28	.14	-----	36.147	4.152	.08	.14	9.10	2.19	.26	.2	
76	----	19.06	.04	-----	36.392	-----	.11	.56	9.76	9.64	.08	.3	
100	----	17.81	.04	-----	36.318	2.914	.14	.76	10.90	17.80	.05	.4	
148	----	15.63	.02	-----	36.026	2.996	.17	.96	11.10	17.00	.06	.5	
199	----	13.68	.01	-----	35.797	2.969	.04	1.12	12.50	20.00	.06	.2	
249	----	11.94	.01	-----	35.468	2.811	.05	1.42	16.00	24.10	.07	.1	
298	----	11.16	.01	-----	35.353	2.779	.05	1.53	17.30	25.70	.07	.2	
398	----	9.25	.01	-----	35.096	2.773	.03	1.78	21.00	28.80	.09	.3	
512	----	7.71	0.00	-----	34.957	2.877	.07	1.93	25.00	29.20	.10	.2	

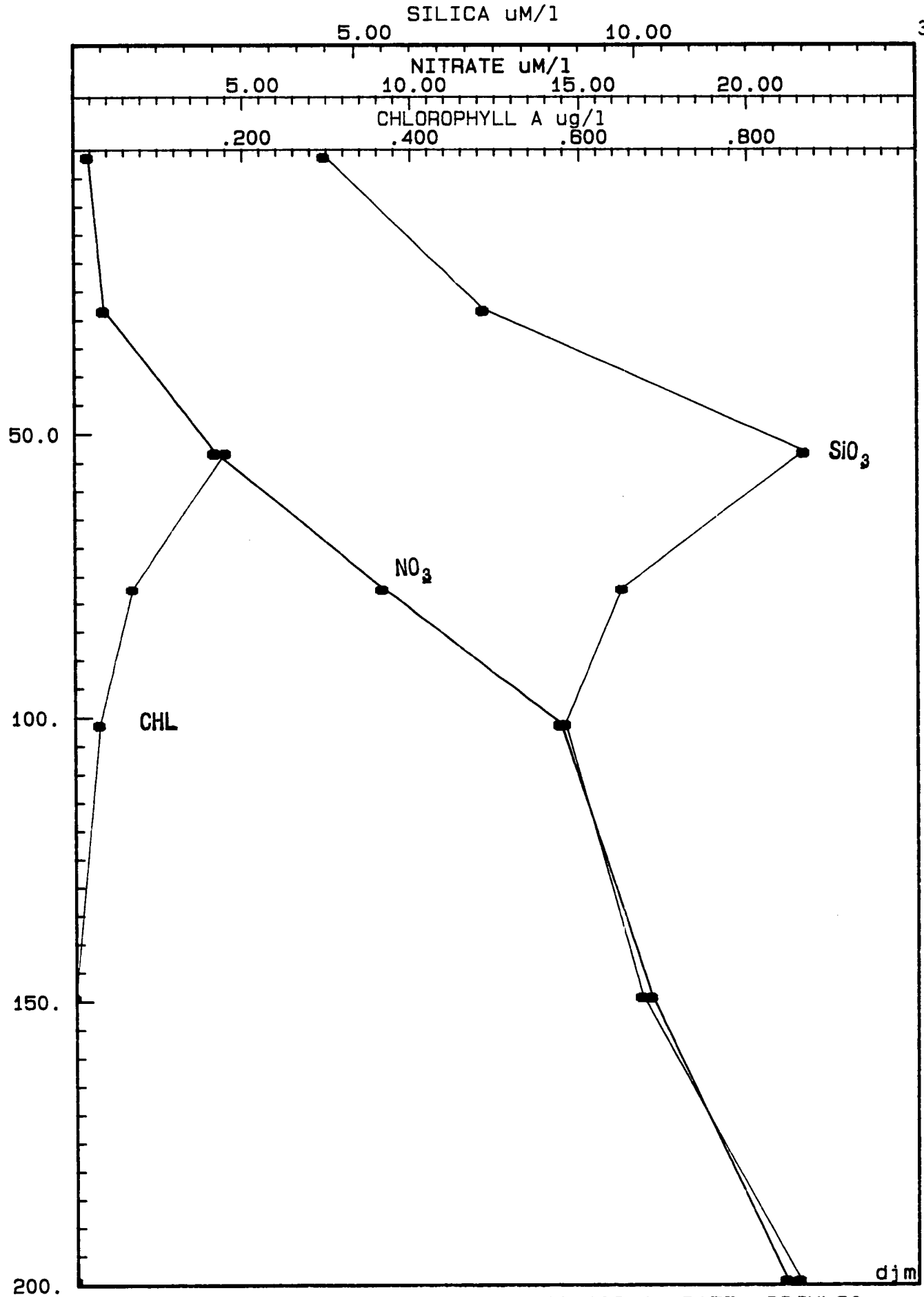


CRUISE: 90G10 STATION: B90G10*102*1 DATE: 22JUL90
LATITUDE: 28 21.6 LONGITUDE: 89 38.1



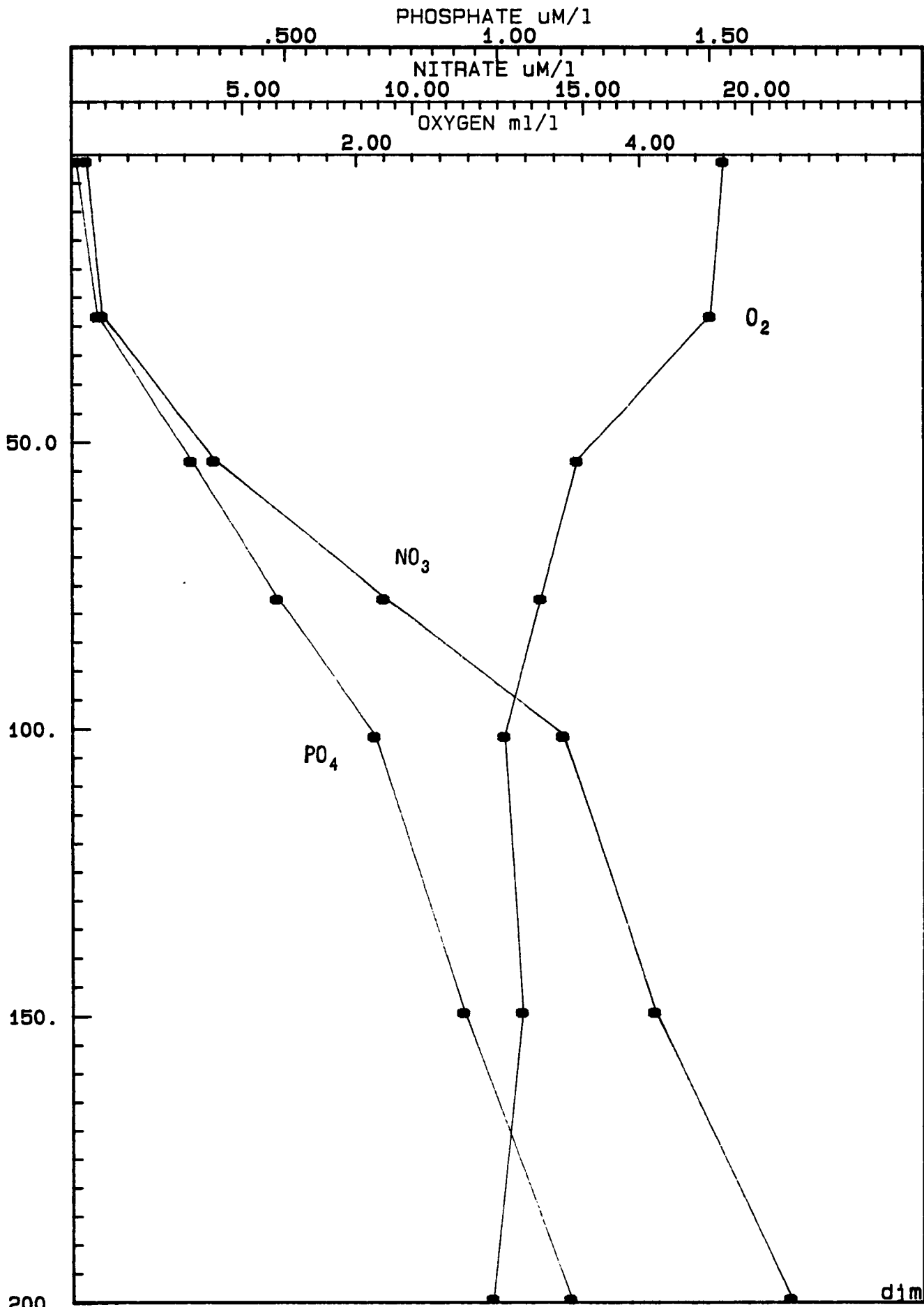
CRUISE: 90G10 STATION: B90G10*102*1 DATE: 22JUL90
LATITUDE: 28 21.6 LONGITUDE: 89 38.1

djm



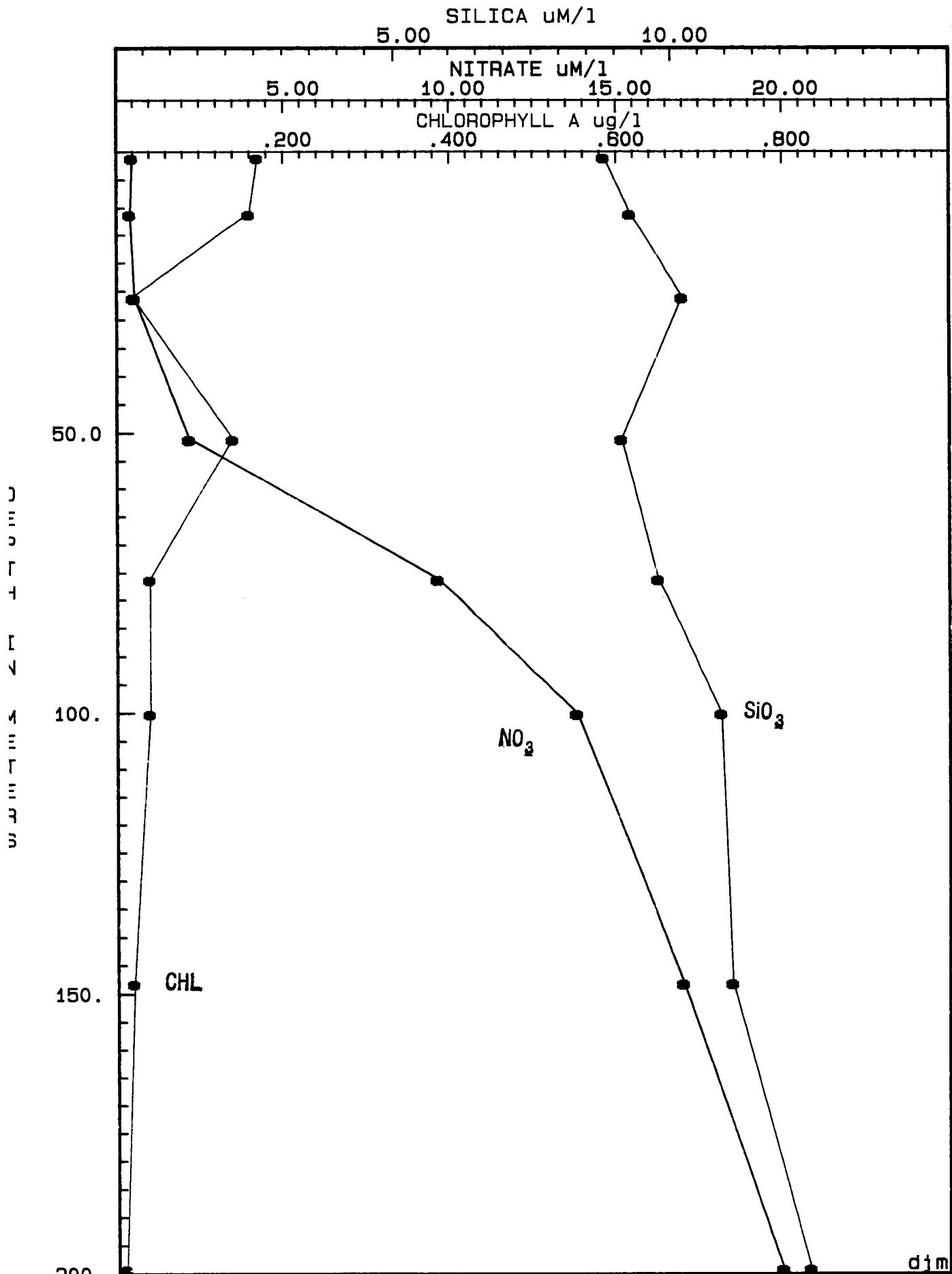
CRUISE: 90G10 STATION: B90G10*103*1 DATE: 22JUL90
LATITUDE: 28 26.5 LONGITUDE: 89 42.1

djm



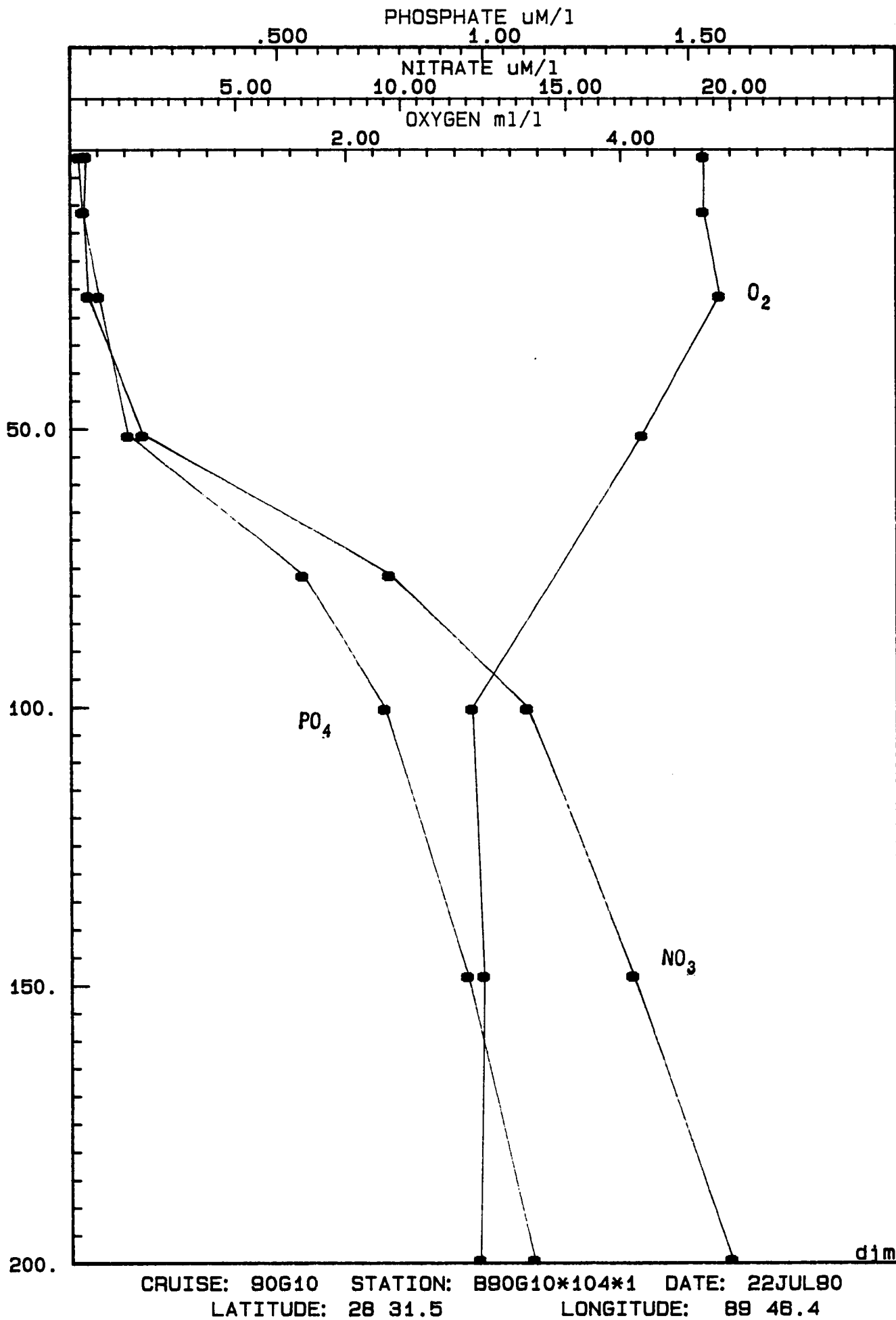
CRUISE: 90G10 STATION: B90G10*103*1 DATE: 22JUL90
LATITUDE: 28 26.5 LONGITUDE: 89 42.1

dim



CRUISE: 90G10 STATION: B90G10*104*1 DATE: 22JUL90
LATITUDE: 28 31.5 LONGITUDE: 89 46.4

djm



CRUISE: 90G10 STATION: B90G10*104*1 DATE: 22JUL90
LATITUDE: 28 31.5 LONGITUDE: 89 48.4

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90G10 STATION 890610*105*1 DATE 22JUL90 GMT 1726 LATITUDE 29 34.2 LONGITUDE 99 51.6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	SI(OH)4 umol	NO3 umol	NO2 umol	UPE umol
1	----	29.27	.45	-----	29.496	4.891	.16	.04	2.17	.14	.04	.3
51	----	22.20	.06	-----	36.211	3.537	.10	.31	9.50	4.01	.10	.3
75	----	19.41	.04	-----	36.379	3.246	.11	.56	8.36	7.99	.07	.4
100	----	18.26	.03	-----	36.353	2.942	.11	.72	8.70	12.00	.07	.5
149	----	16.03	.01	-----	36.087	2.990	.08	.92	9.20	16.30	.06	.5
198	----	13.61	.01	-----	35.727	2.898	.03	1.20	11.40	22.60	.06	.4
247	----	11.95	.01	-----	35.475	2.804	.03	1.41	13.60	23.70	.07	.3
296	----	11.00	-----	-----	35.342	2.757	.06	1.56	15.50	25.60	.08	.3
425	----	8.95	-----	-----	35.083	2.651	.72	2.26	22.60	29.00	.25	1.6

CRUISE 90G10 STATION 890610*107*1 DATE 22JUL90 GMT 0554 LATITUDE 29 32.5 LONGITUDE 99 49.2

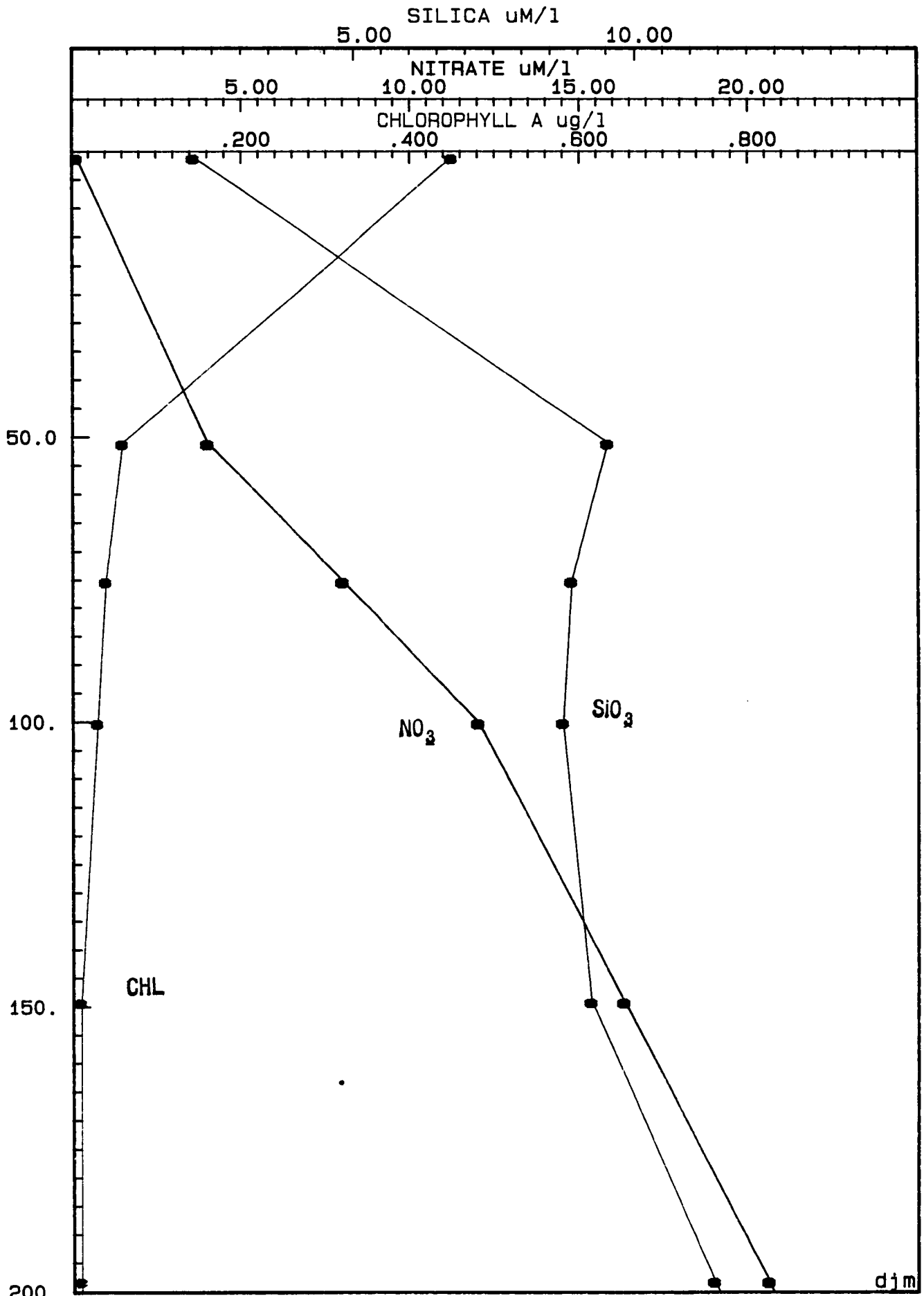
WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	SI(OH)4 umol	NO3 umol	NO2 umol	UPE umol
1	----	29.24	.19	-----	30.542	4.676	.19	.01	1.97	.21	.02	.2
31	----	25.47	.50	-----	35.923	4.155	.07	.12	5.50	1.18	.42	.2
60	----	20.89	.05	-----	36.262	3.530	.06	.36	9.87	5.19	.08	.3
71	----	19.96	.03	-----	36.364	3.439	.04	.49	3.49	7.79	.06	.3
80	----	19.11	.03	-----	36.383	3.072	.06	.61	3.34	10.40	.05	.3
100	----	19.04	.02	-----	36.330	2.911	.07	.73	2.71	12.70	.05	.3
149	----	15.68	.01	-----	36.031	2.933	.01	.94	9.47	16.70	.06	.3
199	----	13.73	.01	-----	35.744	2.961	.39	.98	9.47	15.90	.06	3.0
297	----	10.65	0.00	-----	35.294	2.735	.02	1.14	10.60	20.10	.07	.3
356	----	9.45	0.00	-----	35.135	2.719	.06	1.73	19.90	23.50	.11	.5
471	----	8.06	.01	-----	34.987	2.822	.07	1.84	21.90	30.40	.11	.3

CRUISE 90G10 STATION 890610*108*1 DATE 22JUL90 GMT 0726 LATITUDE 29 34.7 LONGITUDE 99 53.1

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	SI(OH)4 umol	NO3 umol	NO2 umol	UPE umol
1	----	29.21	.39	-----	29.271	4.899	.12	.02	1.84	.43	.17	.3
30	----	25.05	.16	-----	36.117	4.331	.19	.14	5.61	1.92	.25	.6
60	----	21.15	.04	-----	36.238	4.043	.17	.24	6.60	2.97	.19	.4
70	----	21.03	.04	-----	36.296	4.047	.06	.27	7.47	3.33	.15	.4
80	----	20.73	.04	-----	36.718	4.173	.03	.40	9.38	3.27	.09	.6
149	----	19.92	.07	-----	36.354	2.834	.16	.60	9.90	3.07	.05	.6
199	----	15.61	.30	-----	36.040	2.942	.15	.95	9.25	16.30	.06	.2
299	----	13.97	.01	-----	35.788	2.842	.35	1.15	11.80	19.30	.08	.3
351	----	12.32	.01	-----	35.563	2.752	.02	1.35	14.50	22.50	.12	.2

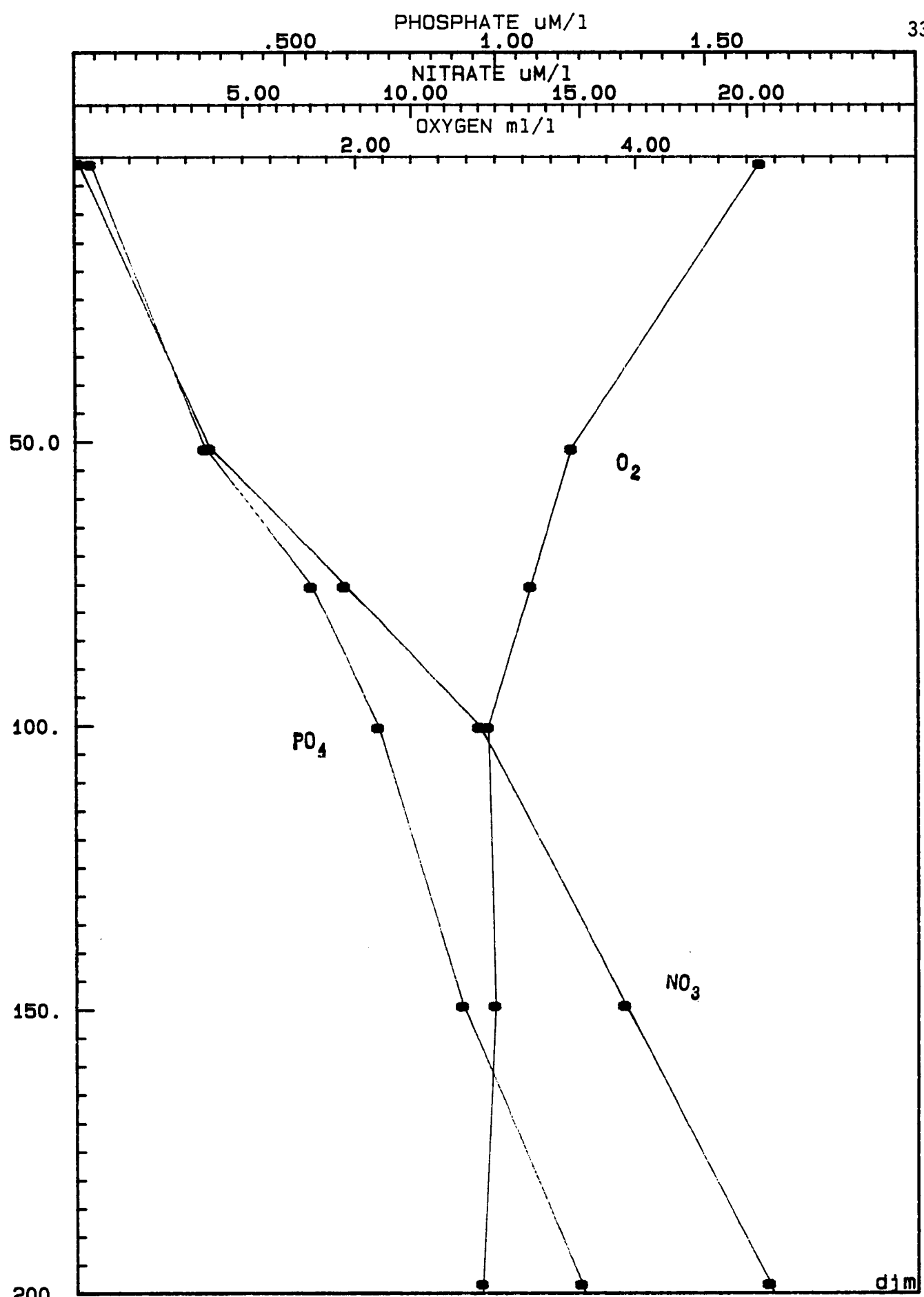
CRUISE 90G10 STATION 890610*109*1 DATE 22JUL90 GMT 0524 LATITUDE 29 37.7 LONGITUDE 99 48.6

WIRE LENGTH METERS	THERMOMETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	SI(OH)4 umol	NO3 umol	NO2 umol	UPE umol
1	----	29.38	.48	-----	29.234	4.804	.07	.01	1.67	.19	.02	.4
30	----	25.19	.19	-----	36.124	4.137	.07	.17	6.02	2.01	.57	.4
60	----	22.00	.04	-----	36.223	4.540	.05	.16	5.75	1.56	.27	.4
70	----	21.41	.05	-----	36.257	4.043	.15	.27	7.37	1.67	.20	.4
80	----	21.19	.04	-----	36.252	3.692	.12	.12	10.10	1.46	.07	.4
100	----	19.54	.03	-----	36.757	3.175	.10	.33	10.40	3.95	.06	.4
161	----	15.28	.07	-----	36.073	3.071	.10	1.00	10.30	11.60	.17	.4



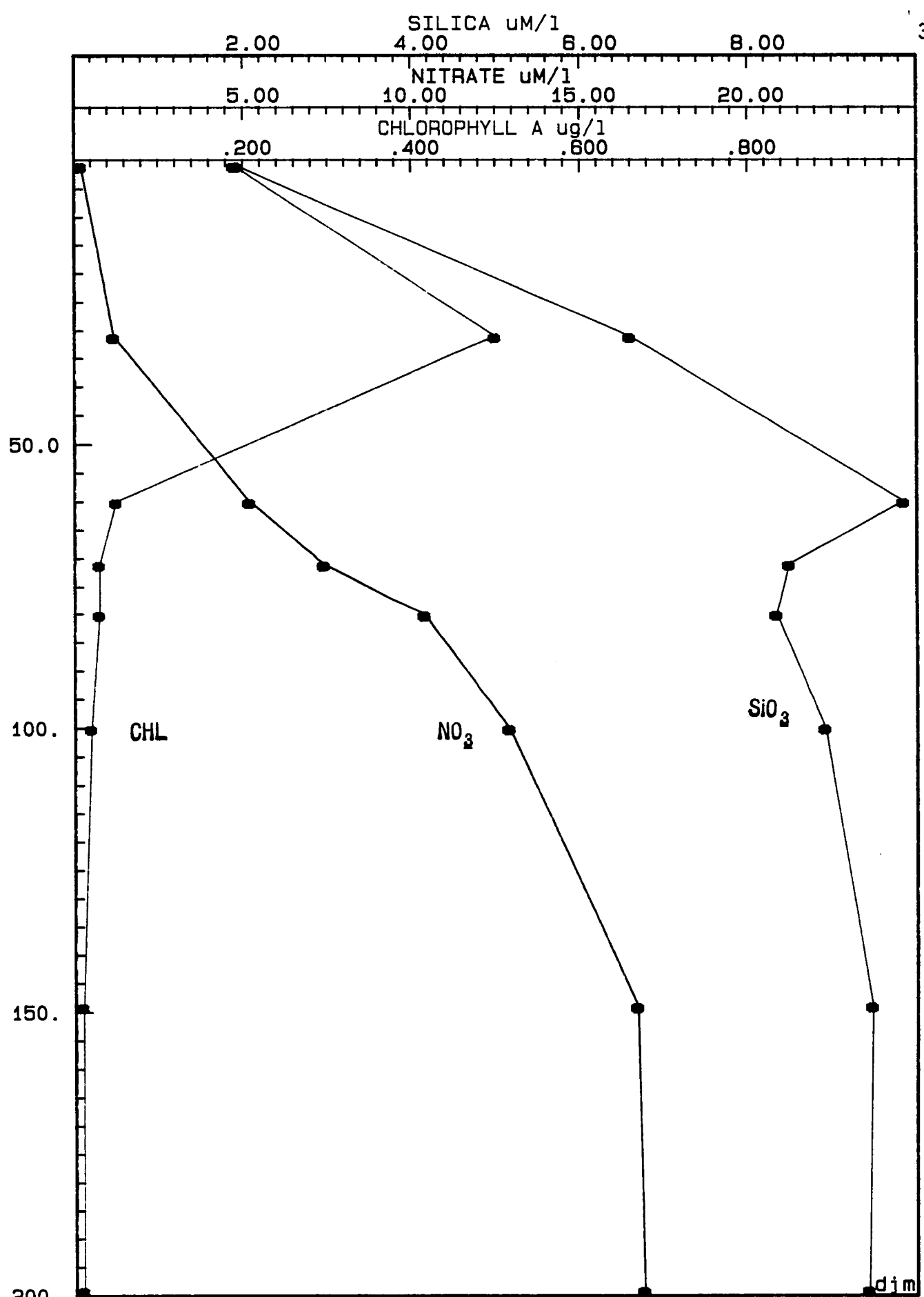
CRUISE: 90G10 STATION: B90G10*105*1 DATE: 22JUL90
LATITUDE: 28 34.8 LONGITUDE: 89 51.6

djm

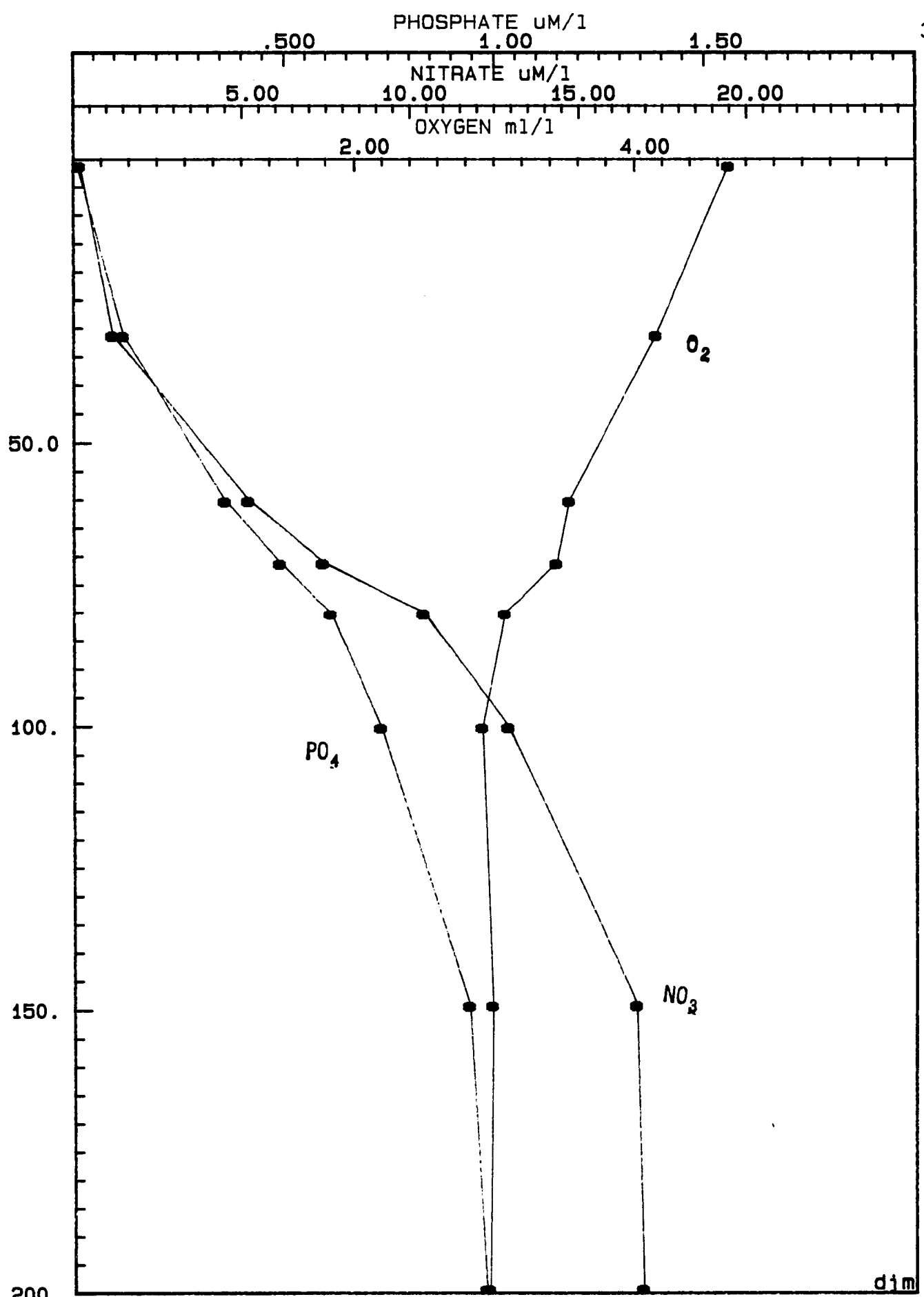


CRUISE: 90G10 STATION: B90G10*105*1 DATE: 22JUL90
LATITUDE: 28 34.8 LONGITUDE: 88 51.8

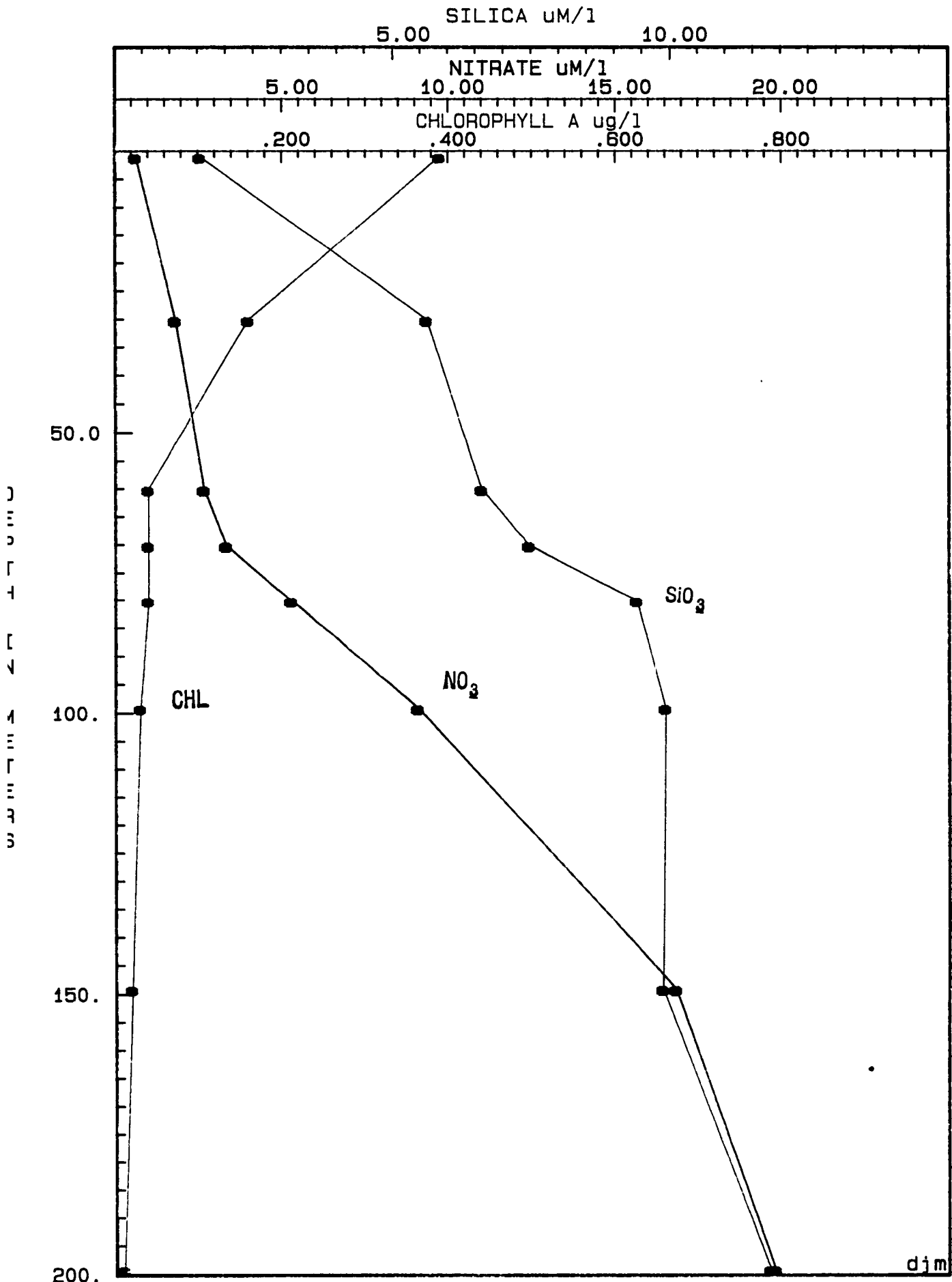
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CRUISE: 90G10 STATION: B90G10*107*1 DATE: 23JULY90
LATITUDE: 28 32.6 LONGITUDE: 89 49.2

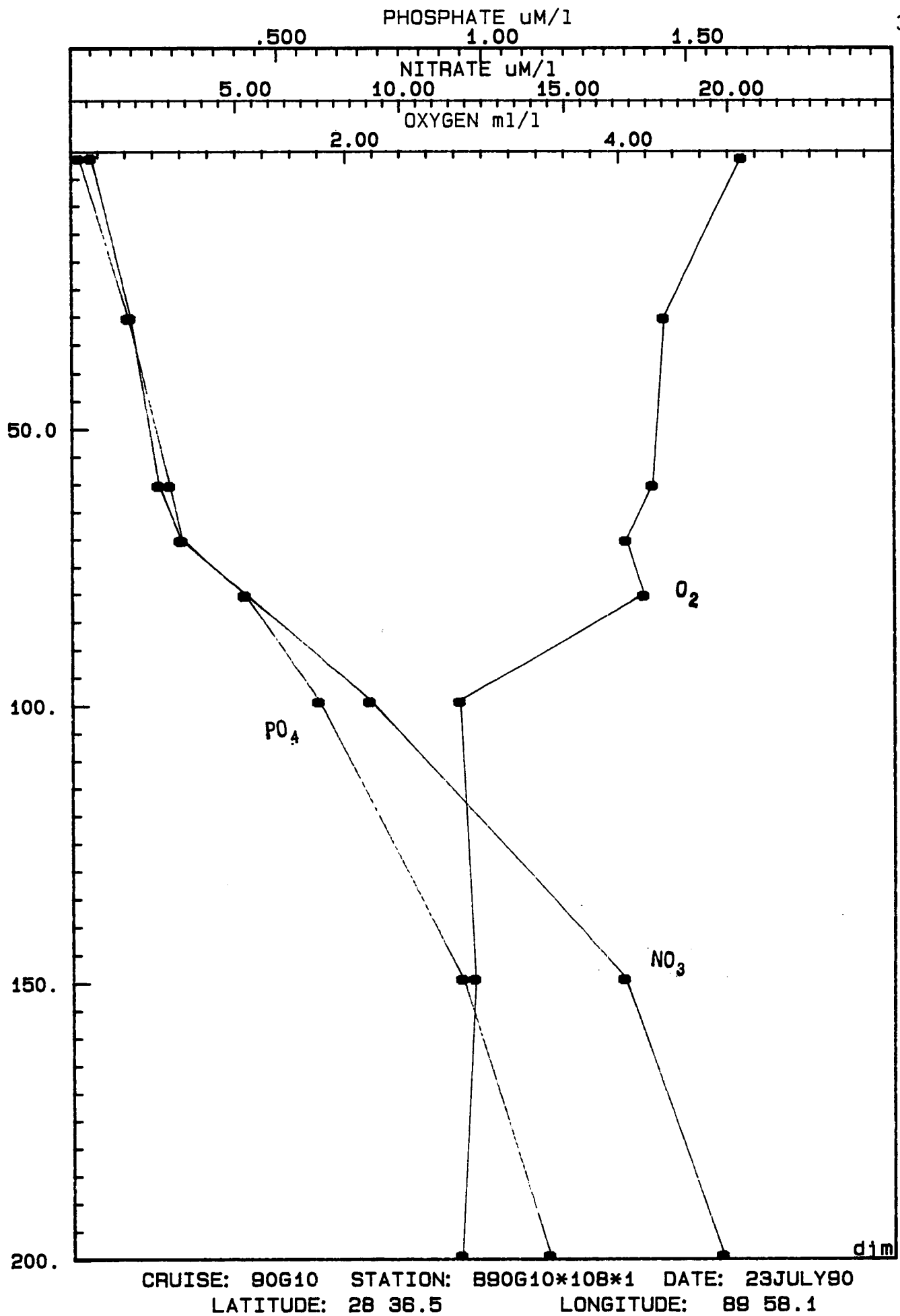


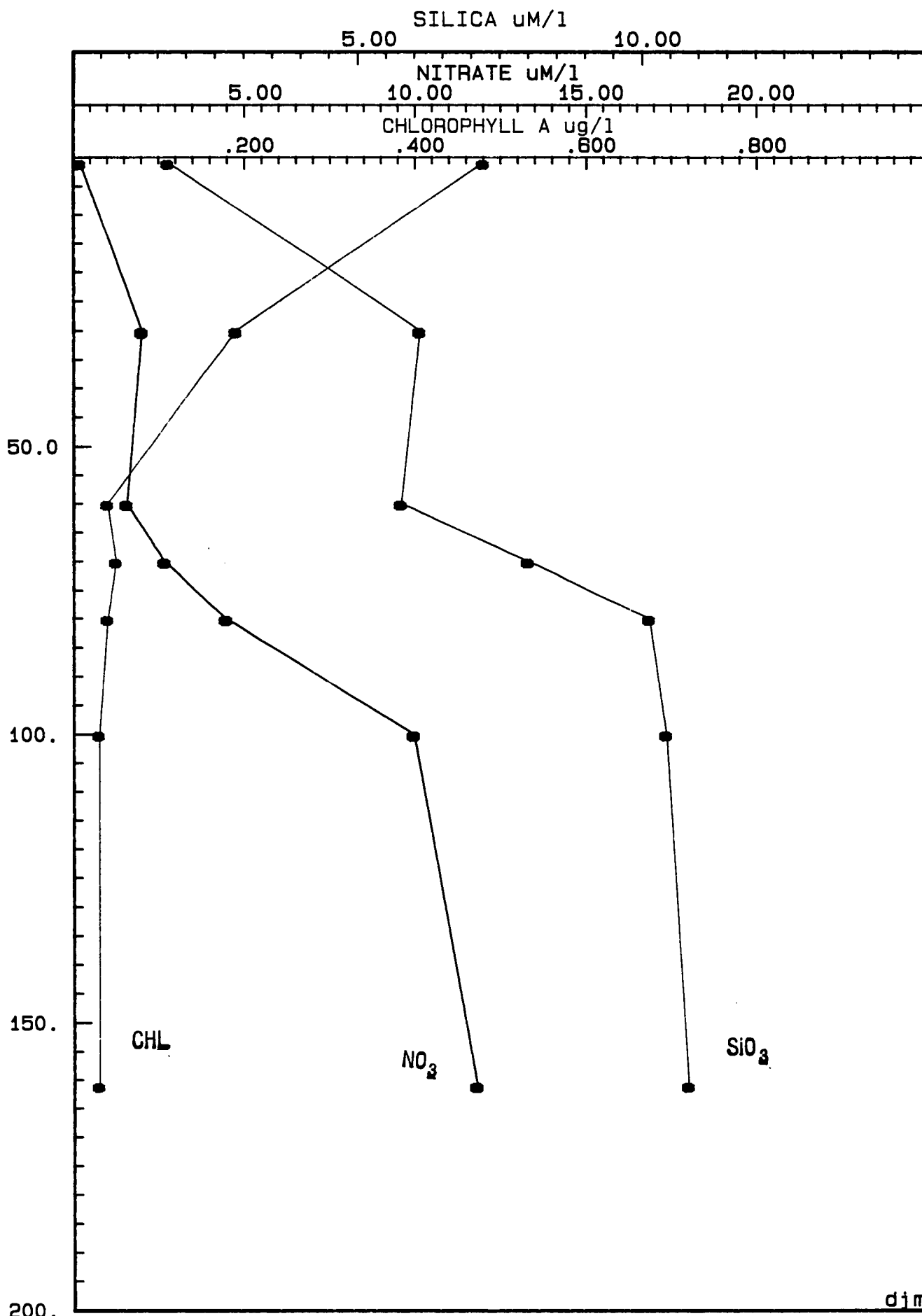
CRUISE: 90G10 STATION: B90G10*107*1 DATE: 23JULY90
LATITUDE: 28 32.6 LONGITUDE: 89 49.2



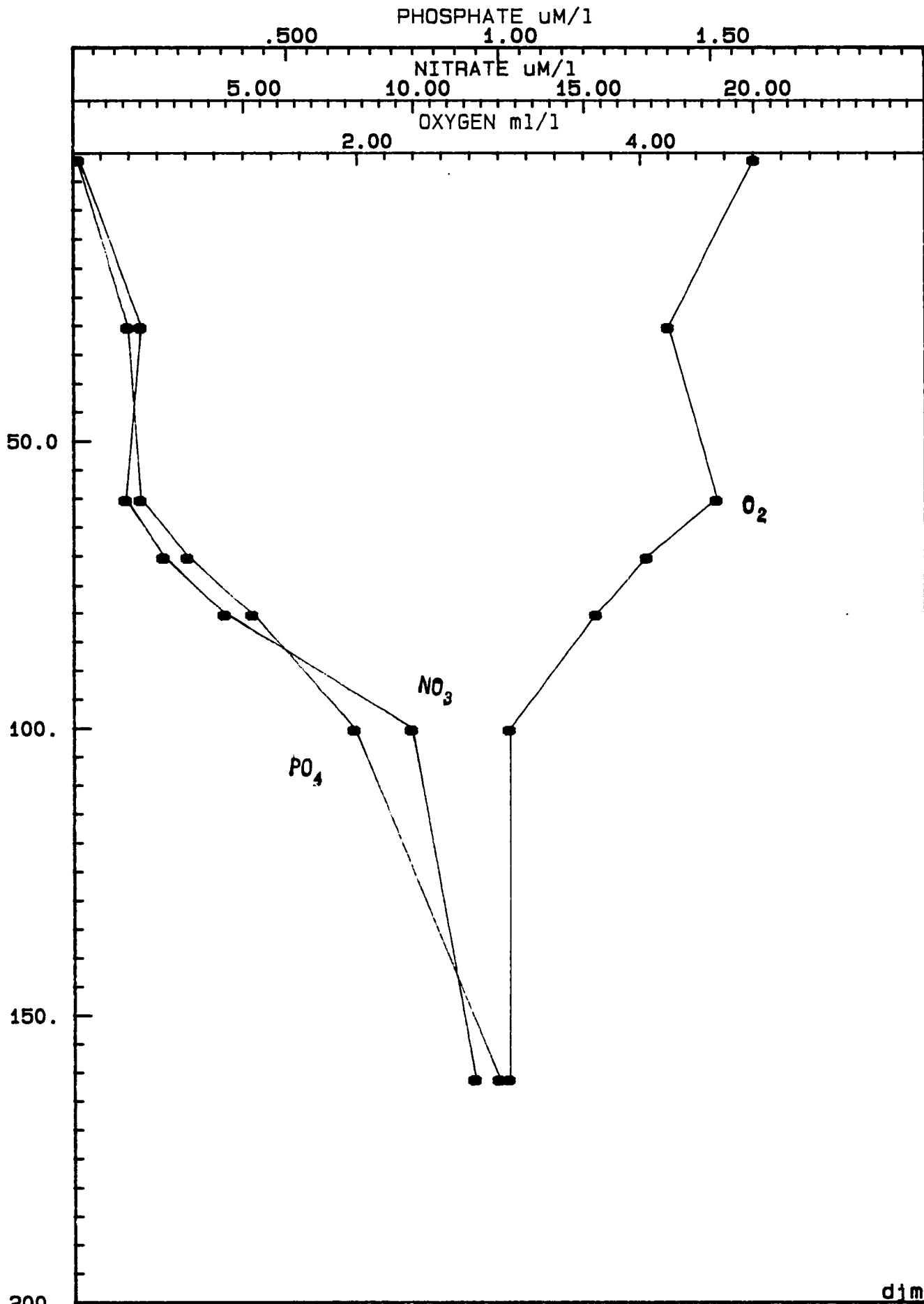
CRUISE: 90G10 STATION: B90G10*108*1 DATE: 23JULY90
LATITUDE: 28 36.5 LONGITUDE: 89 58.1

djm





CRUISE: 90G10 STATION: B90G10*109*1 DATE: 23JULY90
LATITUDE: 28 37.5 LONGITUDE: 90 4.6



CRUISE: 90G10 STATION: B90G10*109*1 DATE: 23JULY90
LATITUDE: 28 37.5 LONGITUDE: 90 4.8

TEXAS A & M DEPARTMENT OF OCEANOGRAPHY PHYSICAL DATA

CRUISE 90610 STATION B90610*110*1 DATE 23JULY91 GMT 0909 LATITUDE 29 38.8 LONGITUDE 91 11.2

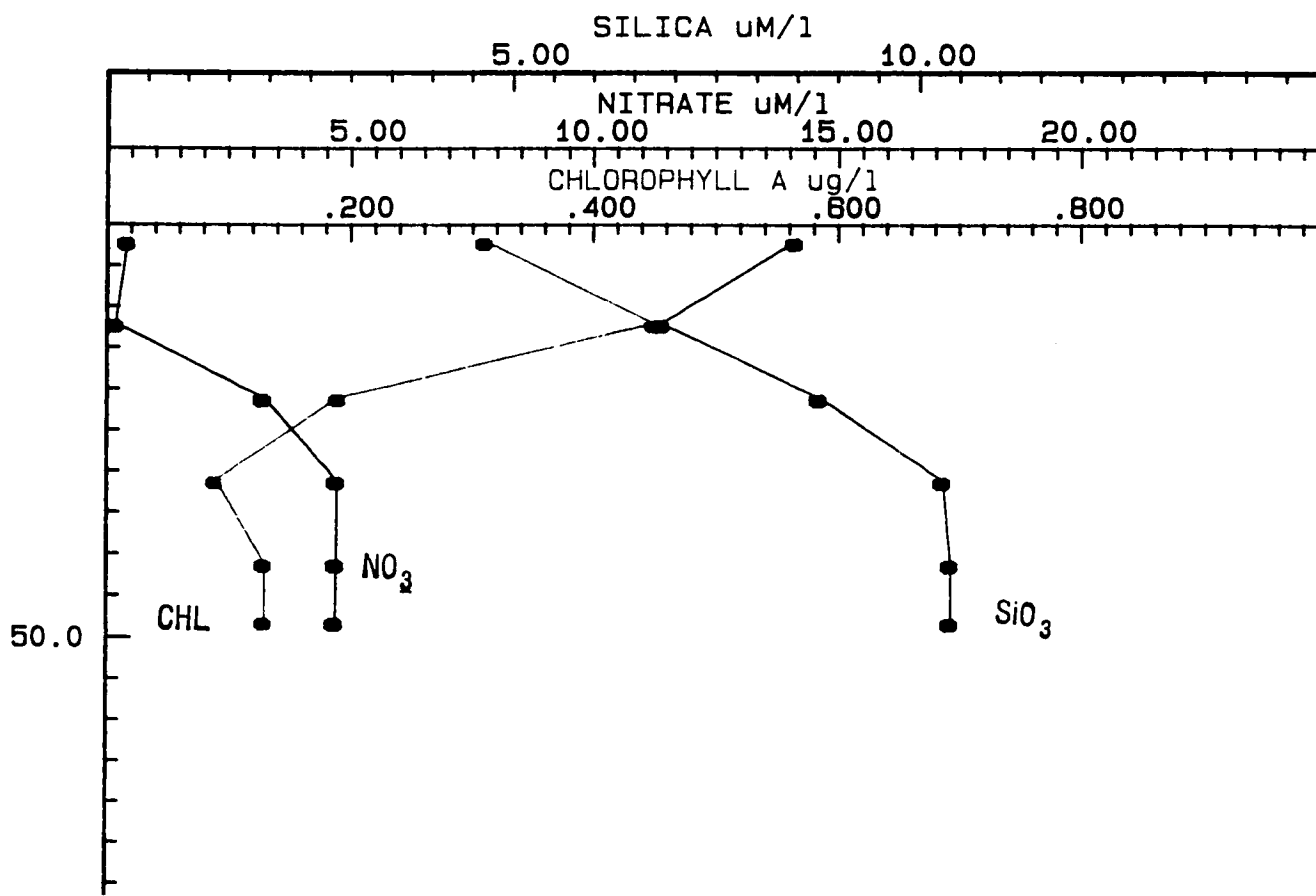
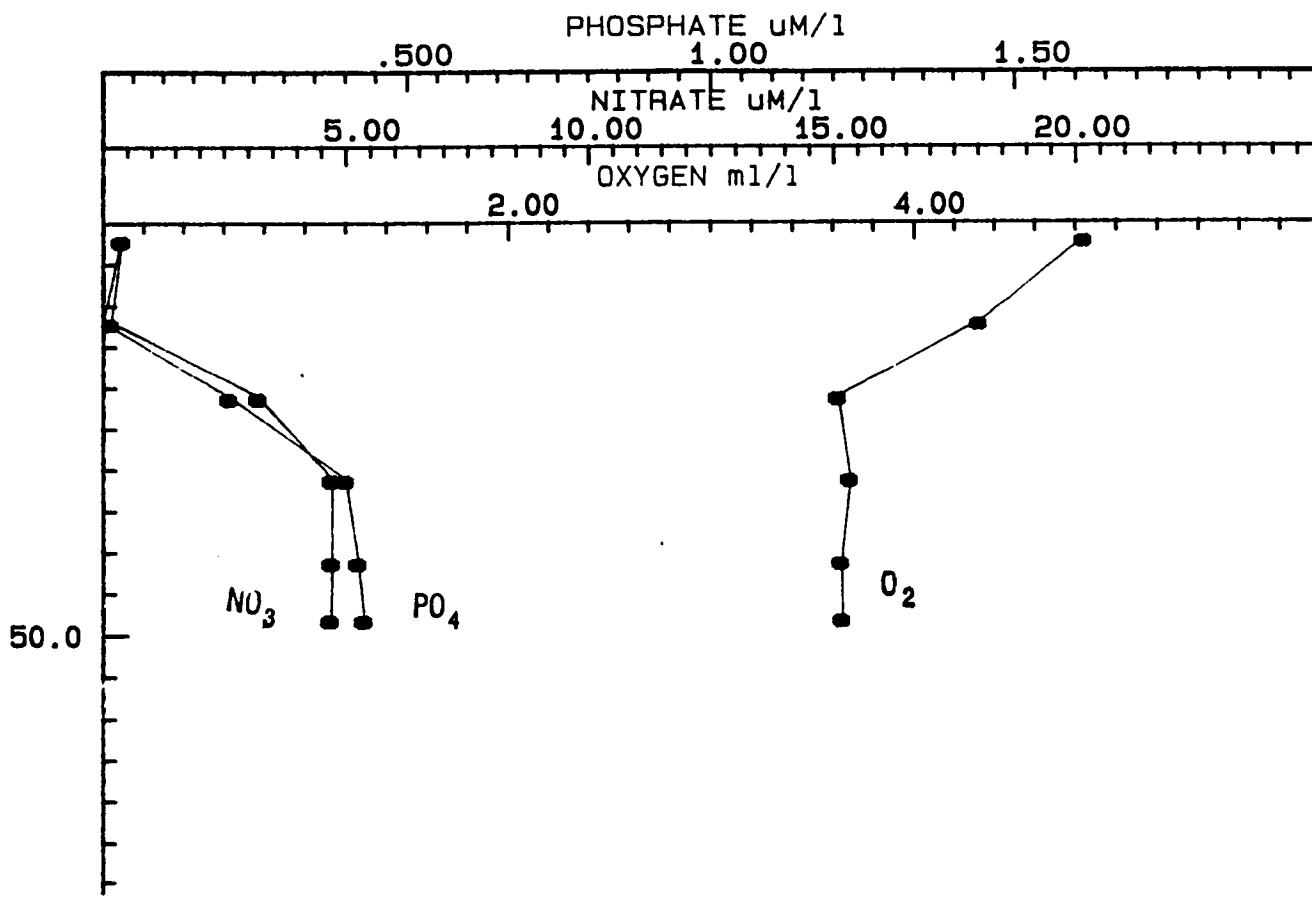
WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	Si(OH)4 umol	NO3 umol	NO2 umol	URE umol
2	----	29.43	.31	-----	37.705	4.342	.06	.03	3.57	1.11	.31	.3
12	----	29.31	.45	-----	35.339	4.328	.07	1.00	6.84	1.17	.02	.0
21	----	26.66	.19	-----	35.972	3.524	.05	.21	9.77	3.22	.40	.3
31	----	23.15	.09	-----	36.113	3.683	.07	.40	10.30	4.72	.17	.6
41	----	23.09	.13	-----	36.117	3.679	.10	.42	10.40	4.71	.18	.7
48	----	23.09	.13	-----	36.113	3.644	.08	.43	10.40	4.69	.20	.5

CRUISE 90610 STATION B90610*111*2 DATE 23JULY GMT 1035 LATITUDE 29 39.8 LONGITUDE 91 17.4

WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	Si(OH)4 umol	NO3 umol	NO2 umol	URE umol
2	----	29.62	.45	-----	28.727	4.279	.39	.03	2.09	1.36	.20	.1
12	----	28.96	.53	-----	35.368	3.991	.06	.11	5.71	1.63	.44	.1
22	----	25.14	.19	-----	35.933	3.392	.04	.43	14.90	3.93	.59	.2
27	----	24.51	.20	-----	35.844	2.413	.05	.70	22.10	5.03	.51	.2

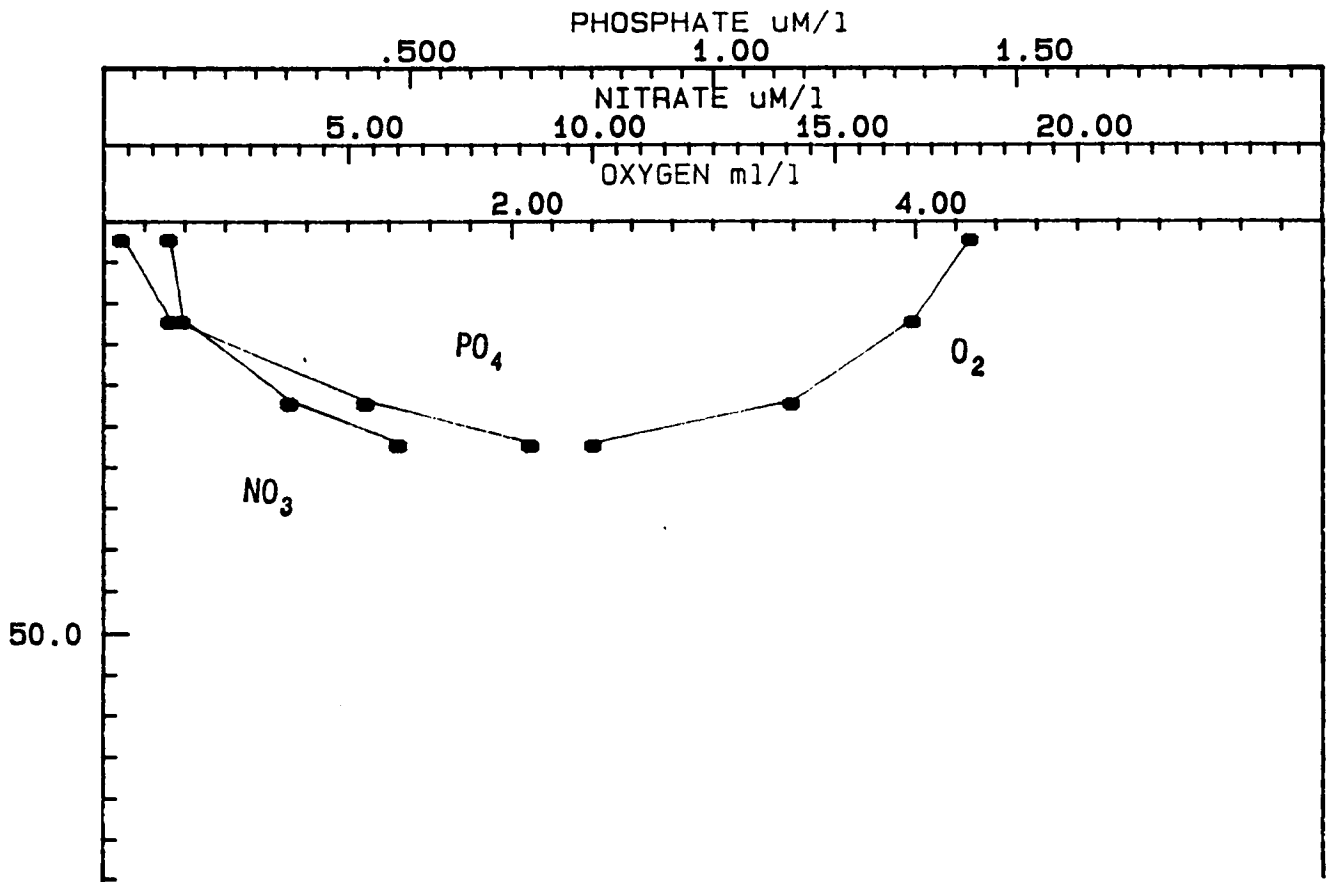
CRUISE 90610 STATION B90610*112*1 DATE 23JULY91 GMT 1035 LATITUDE 29 39.9 LONGITUDE 91 17.9

WIRE LENGTH METERS	THERMONETRIC DEPTH METERS	TEMPERATURE DEG C	CHLOROPHYLL mg/l	UNPROTECTED TEMP DEG C	SALINITY PPT	OXYGEN ml/l	NH4 umol	PO4 umol	Si(OH)4 umol	NO3 umol	NO2 umol	URE umol
2	----	29.40	.32	-----	39.287	4.595	.09	.02	1.97	.11	0.00	.1
4	----	29.48	.22	-----	31.513	4.530	.08	.01	1.97	.16	0.00	.0
5	----	29.51	.12	-----	33.393	4.510	.15	.02	2.21	.16	0.00	.2
7	----	29.59	.12	-----	33.937	4.611	.09	.02	2.79	.21	0.00	.1
10	----	29.12	.10	-----	34.414	4.590	.05	.02	2.39	.21	0.00	.0
11	----	29.20	.10	-----	34.495	4.579	.06	.02	2.44	.25	0.00	.1
14	----	29.30	-----	-----	35.191	4.573	.19	.05	2.74	.22	.01	.5
21	----	23.25	-----	-----	35.378	4.689	.04	.03	3.40	.55	.02	.2
59	----	21.57	-----	-----	36.277	4.913	.11	.06	4.25	.39	.27	.5
71	----	21.15	-----	-----	36.283	4.346	.06	.15	5.94	1.67	.26	.3
79	----	20.27	-----	-----	36.318	3.477	.06	.35	9.47	5.69	.05	.3
96	----	19.23	-----	-----	36.364	3.191	.13	.52	9.71	8.72	.07	.4

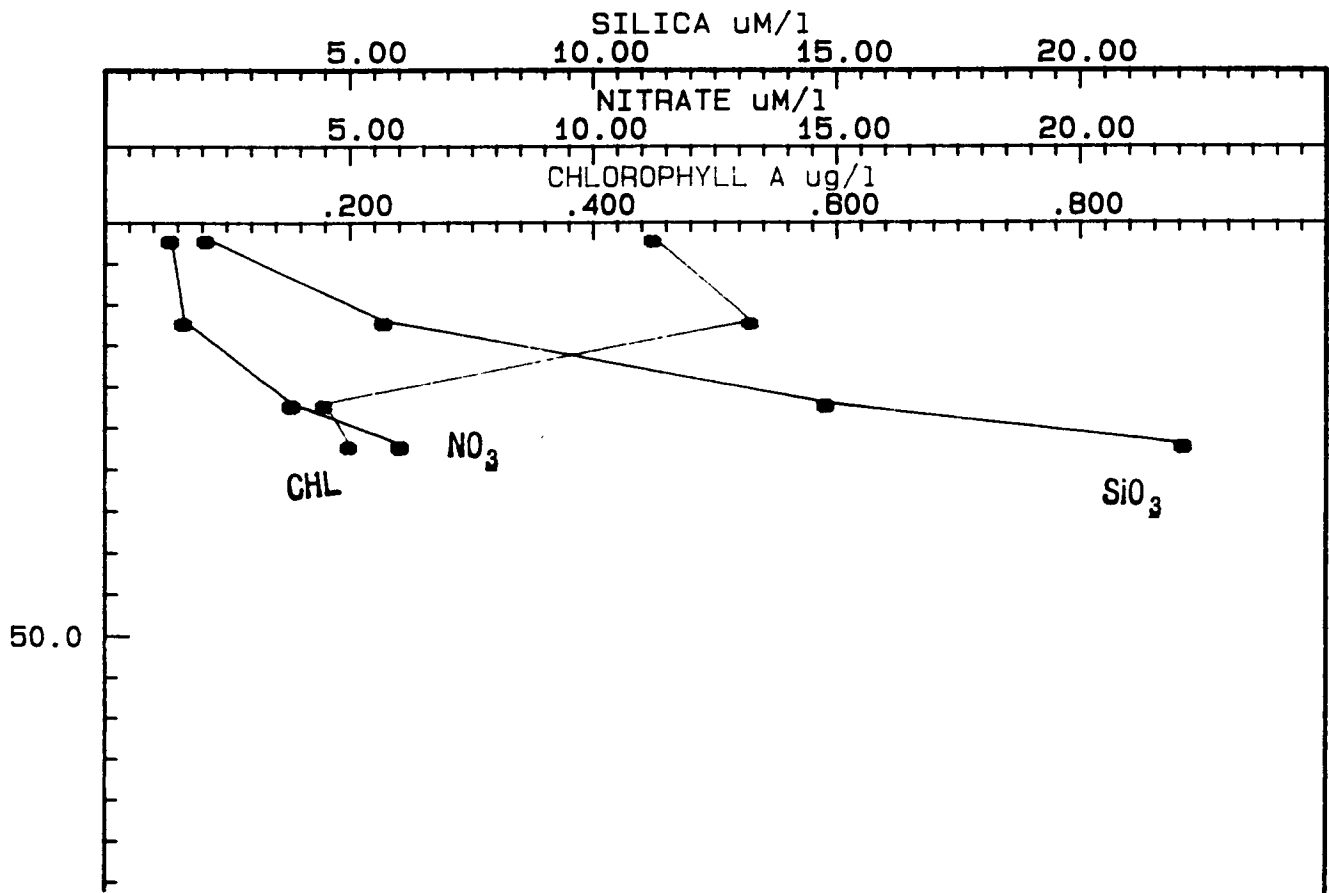


CRUISE: 90G10 STATION: B90G10*110*1 DATE: 23JULY80
 LATITUDE: 28 38.6 LONGITUDE: 90 11.2

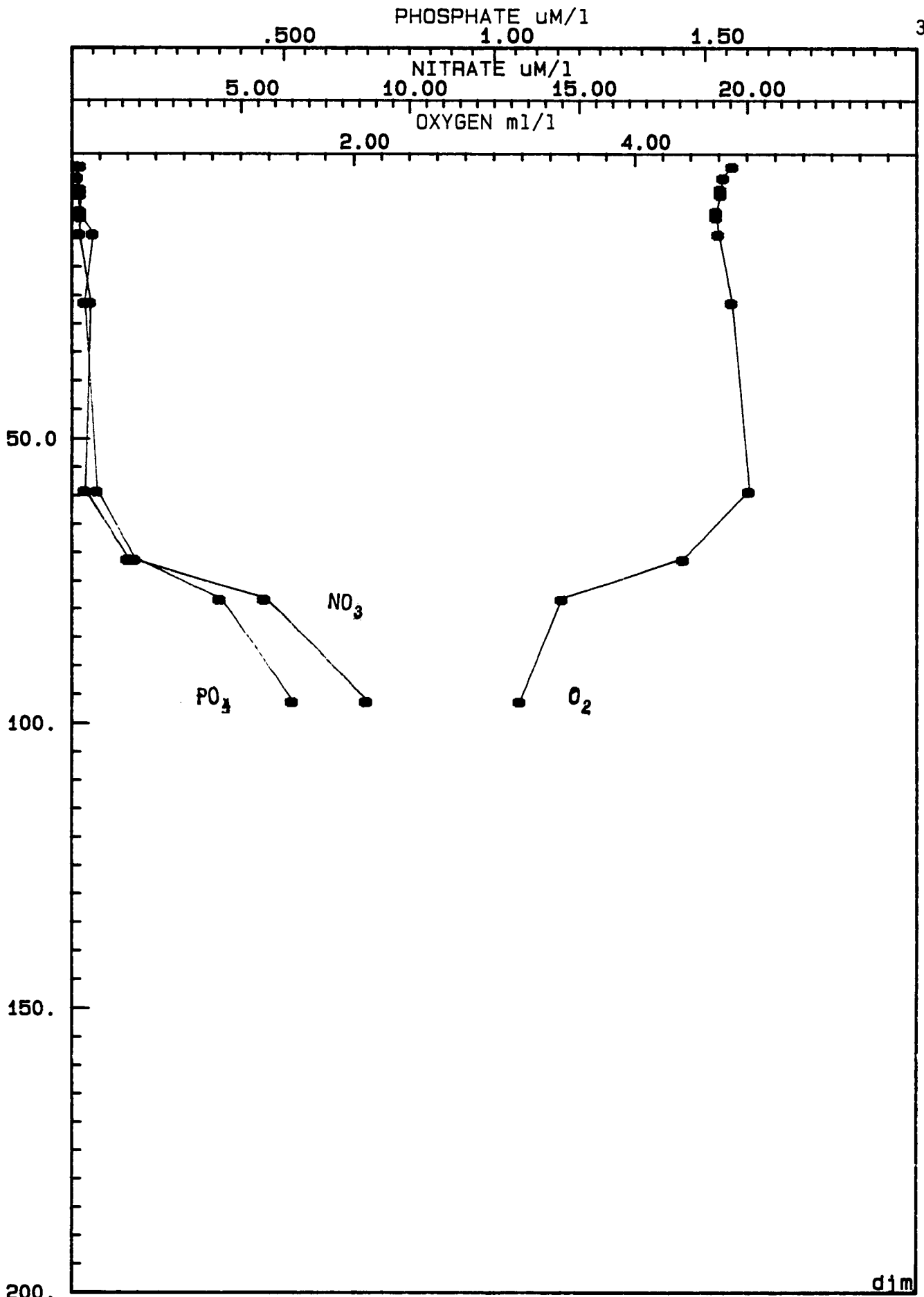
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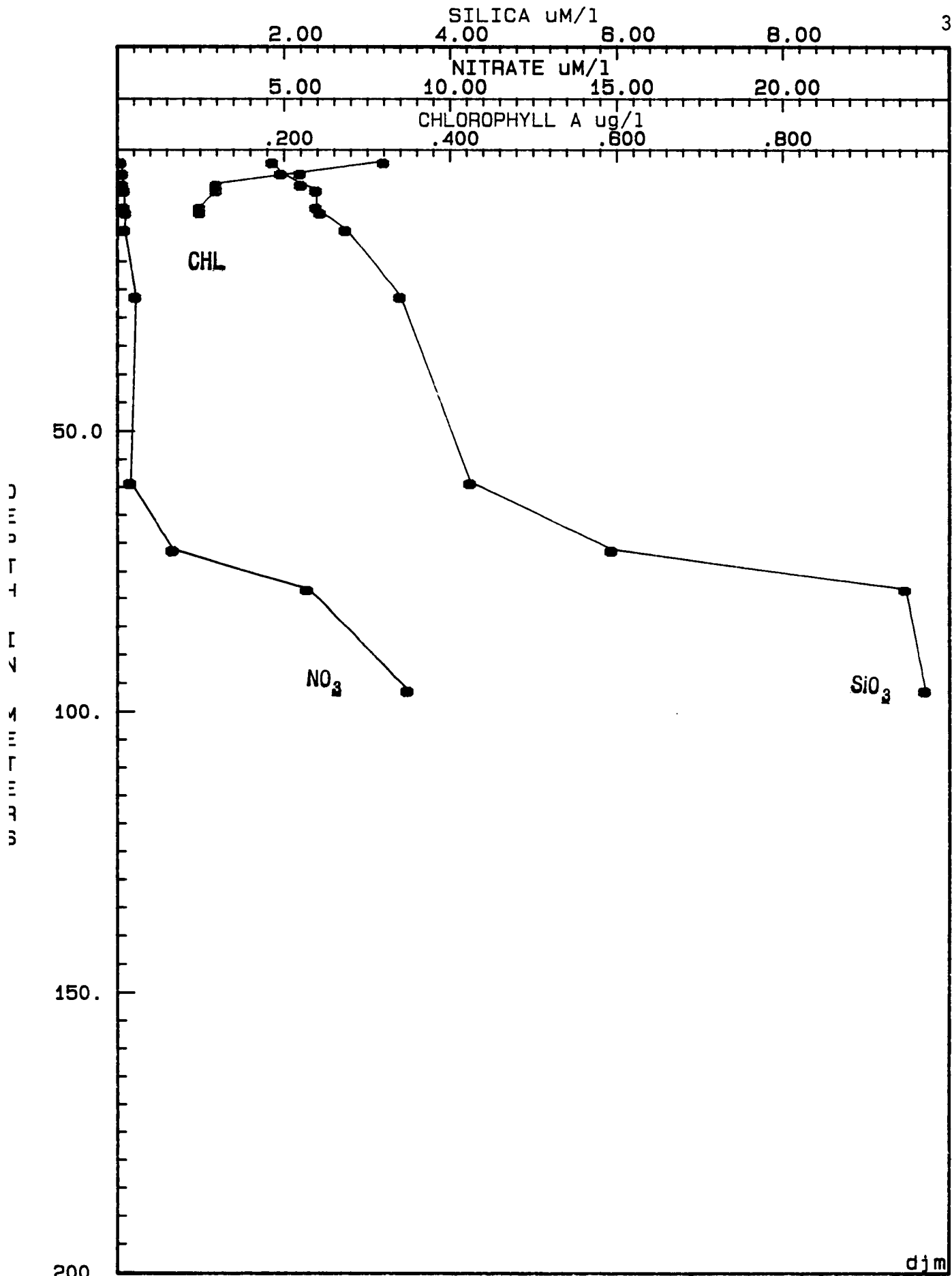


CRUISE: 90G10 STATION: B90G10*111*2 DATE: 23JULY
LATITUDE: 28 39.8 LONGITUDE: 90 17.4



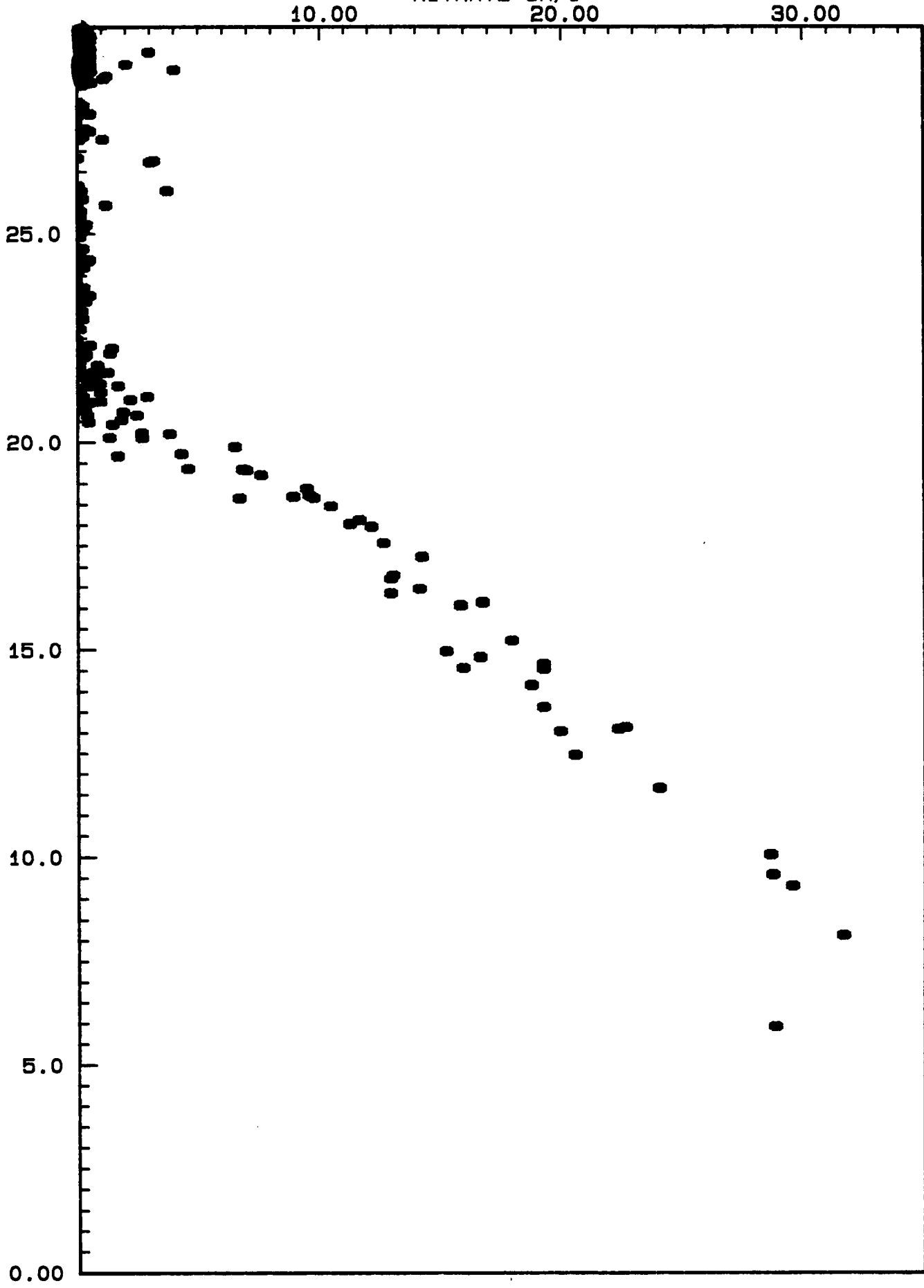
CRUISE: 90G10 STATION: B90G10*112*1 DATE: 23JUL90
LATITUDE: 90 17.5 LONGITUDE: 28 39.9

dim



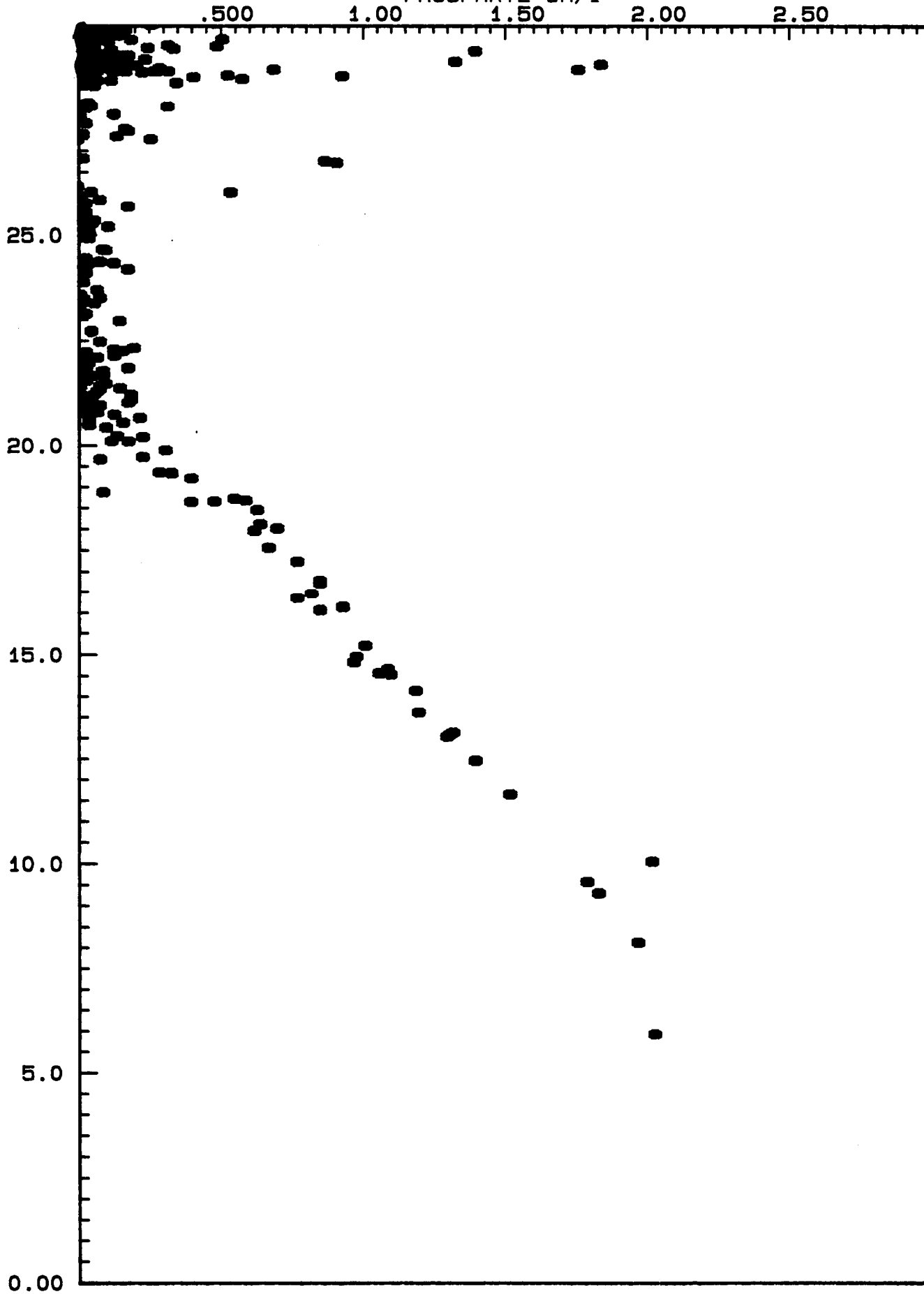
CRUISE: 90G10 STATION: B90G10*112*1 DATE: 23JUL90
LATITUDE: 90 17.5 LONGITUDE: 28 39.8

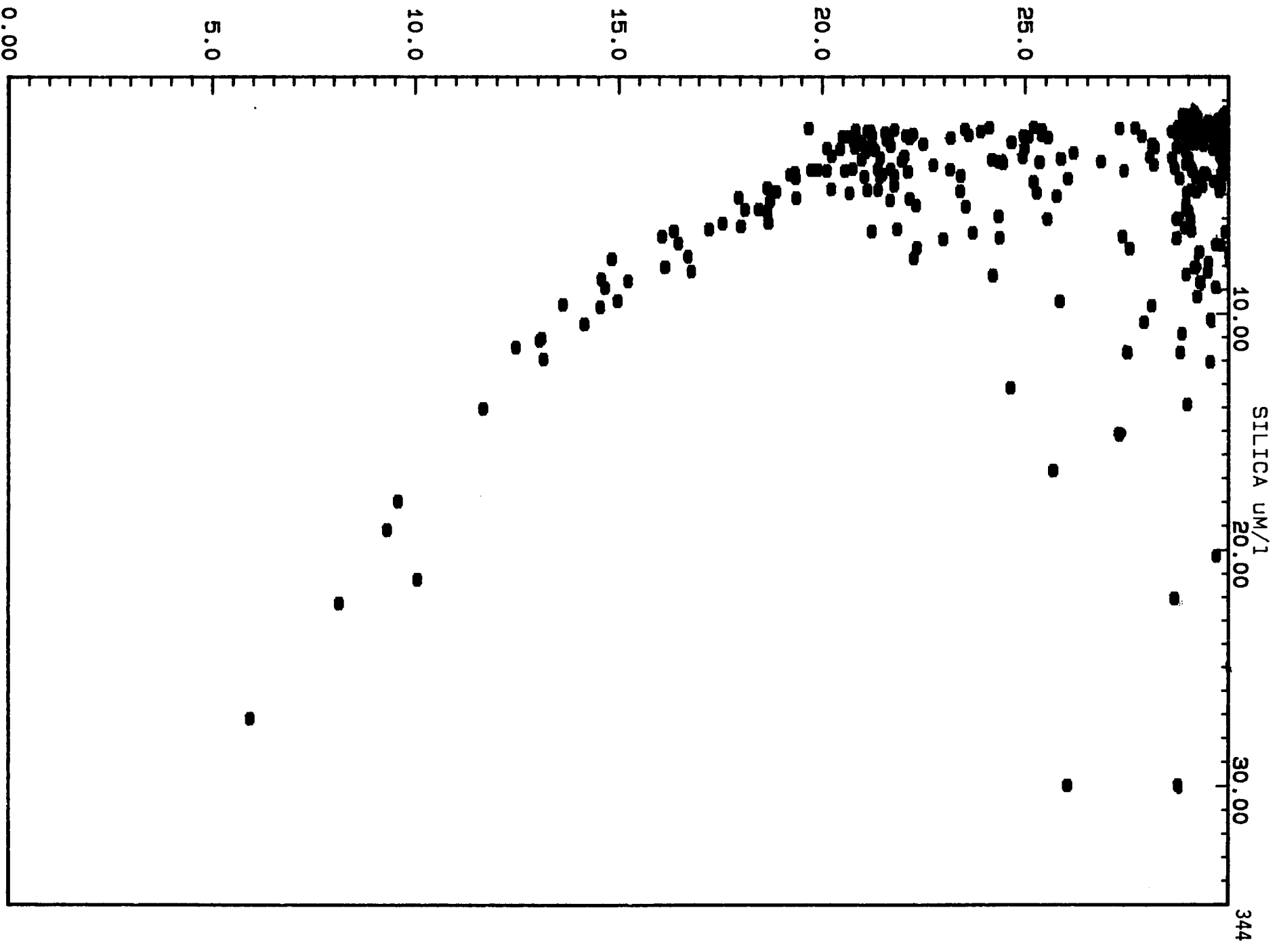
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SURFACE SAMPLING OFF THE MISSISSIPPI RIVER DELTA

On 21 July, surface samples were bucketed for analysis of salinity and nutrients while GYRE surveyed from 89 40W to 88 48W off the Mississippi River Delta. Between 0544 GMT and 1242 GMT, samples were bucketed every half hour from 14 locations. These are designated S-1 to S-14 on the table and map which follow. At each of these sampling times, water was drawn for comparison from an uncontaminated, flow-through laboratory seawater system, which pumps near-surface water from a sea chest located at a depth of 3m in GYRE's hull.

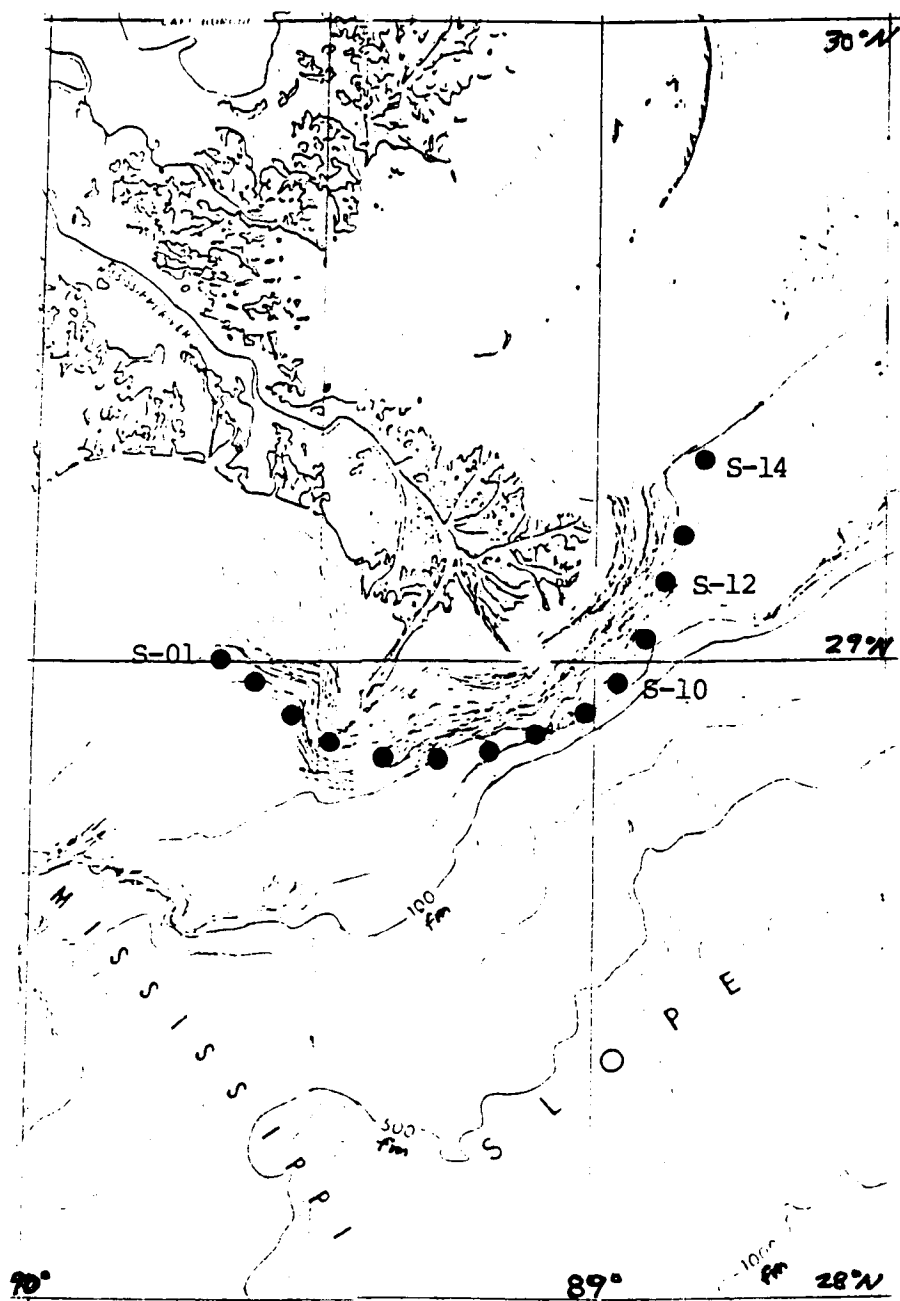
Upon completing this 7-hour underway sampling transect, GYRE retraced its course and made CTD stations 93-100 in this same region. CTD station 94 was done at the location of S-13, station 95 at the location of S-11, station 96 at the location of S-09, station 97 at the location of S-07, station 98 at the location of S-05, station 99 at the location of S-03, and station 100 at the location of S-01.

Site	LATITUDE N		LONGITUDE W		sfc Temp	sfc Salin	NO ₃	PO ₄	SiOH ₄	
S-1	29	00.4	89	40.2		16.2	31	0.18	18.8	sfc bucket
	0544	GMT on	21 Jul			16.3	28	0.23	20.4	pumped from 3m
S-2	28	57.4	89	36.9		16.3	43	0.36	21.4	sfc bucket
	0608	GMT				16.5	37	0.43	20.5	pumped from 3m
S-3	28	54.0	89	32.9		13.1	68	0.91	55.6	sfc bucket *
	0636	GMT				17.3	33	0.62	35.6	pumped from 3m
S-4	28	52.2	89	27.3		6.3	152	2.72	95.4	sfc bucket*
	0709	GMT				16.4	77	0.83	39.2	pumped from 3m*
S-5	28	50.4	89	22.0		20.3	45	0.59	25.7	sfc bucket
	0739	GMT				26.1	6	0.19	3.3	pumped from 3m
S-6	28	50.8	89	15.9		24.8	12	0.20	4.4	sfc bucket
	0810	GMT				25.7	9	0.17	3.9	pumped from 3m
S-7	28	51.0	89	10.9		23.0	24	0.28	7.3	sfc bucket
	0835	GMT				25.3	11	0.19	4.0	pumped from 3m
S-8	28	53.1	89	06.0		19.4	44	0.31	12.5	sfc bucket
	0902	GMT				24.8	14	0.28	8.4	pumped from 3m
S-9	28	55.1	89	00.1		17.6	53	0.50	14.7	sfc bucket
	0930	GMT				24.0	16	0.28	4.7	pumped from 3m
S-10	28	58.1	88	57.9		20.1	32	0.33	NA	sfc bucket
	1001	GMT				26.1	7	0.24	4.6	pumped from 3m
S-11	29	03.0	88	53.0		16.6	70	1.09	44.5	sfc bucket*
	1032	GMT				25.2	9	0.25	5.7	pumped from 3m
S-12	29	07.5	88	52.0		18.4	53	1.37	39.6	sfc bucket
	1102	GMT				24.2	16	0.27	9.8	pumped from 3m

* was diluted 1:6 in order to analyze for NO₃ and for SiOH₄; concentrations reported here are ug-at/liter

Underway sampling off the Mississippi River delta, GYRE cruise 90G-10 (page 2 of 2)

Site	LATITUDE N		LONGITUDE W		sfc Temp	sfc Salin	NO ₃	PO ₄	SiOH ₄	
S-13	29	12.5	88	51.0		22.5	22	0.39	5.6	sfc bucket
	1131	GMT				28.0	0.4	0.25	1.8	pumped from 3m
S-14	29	19.0	88	48.2		25.4	6	0.19	1.9	sfc bucket
	1211	GMT				27.9	0.3	0.24	1.8	pumped from 3m



GALVESTON BAY SAMPLING

To continue and extend the cooperative program between Texas A&M University campuses in Galveston and College Station, in which Galveston Bay is sampled from small boats while R/V GYRE surveys the Texas shelf and slope, Dr. L.L. Griffin and Dr. A.N. Landry sampled 10 stations in Galveston Bay and its Highland Bayou Diversionary Canal tributary on 19 July and another 20 stations on 20 July. They filtered 250 ml of bay water onto GF/F filters, which were then frozen and processed post-cruise (8 August) by D. Biggs for CHL/PHAEO. About 50 ml of the filtrate from each of these collections were also frozen, in screw-cap plastic bottles, for post-cruise nutrient analysis. On 3 August, Dennis Guffy thawed and analyzed these frozen Galveston Bay samples in College Station, using a six-channel autoanalyzer.

Data are also included in this section of this Technical Report from two sites that were sampled about a month prior to GYRE cruise 90G-10, on 22 June 1990: a) TAMUG small boat basin on Pelican Island; b) Buoy WB in the entrance to Galveston Bay, which is located near the intake culverts to East Lagoon on Galveston Island. This June sampling was carried out by Dr. Julie Ambler and analyzed for salinity and chlorophyll done by her OCNG-600 class; filtrates were frozen were analyzed for nutrients a week later (29 June) by Mr. Guffy.

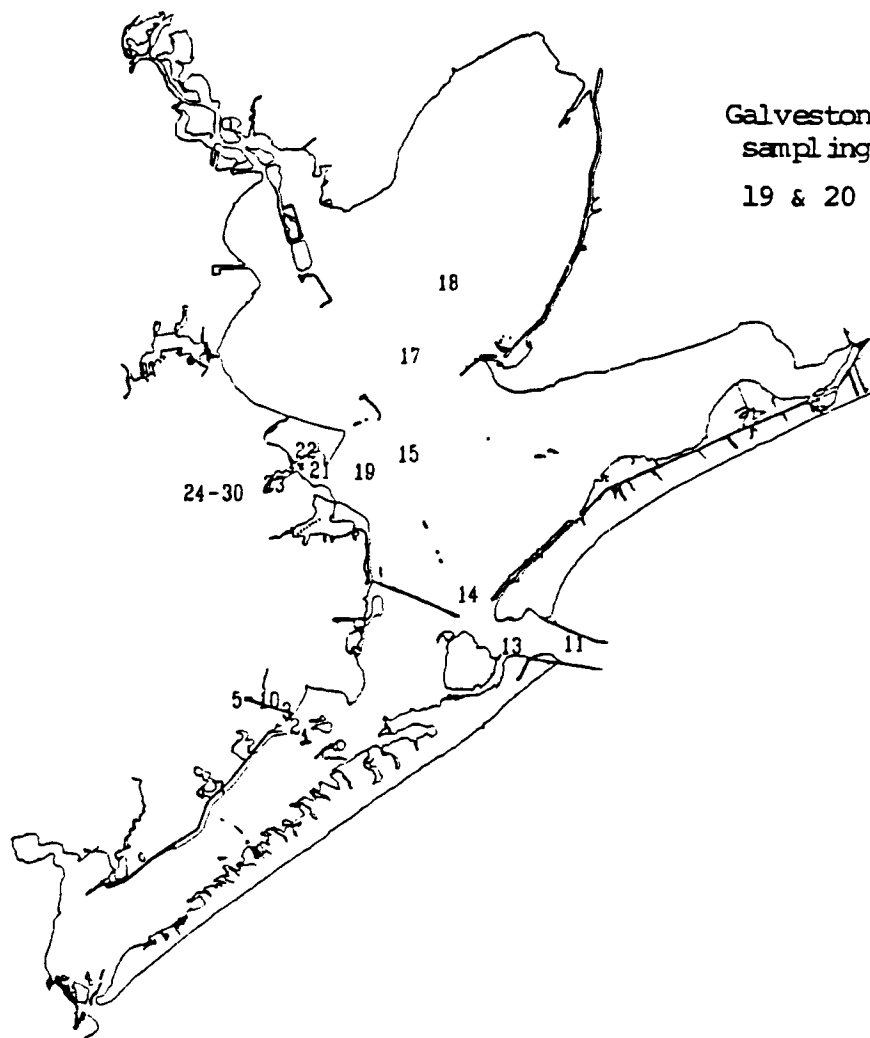
GALVESTON BAY (& Tributary) WATER SAMPLES
 JULY 19 & 20, 1990
 L. L. Griffin & A. N. Landry

<u>Sample #</u>	<u>Salinity</u>	<u>Temp. (C)</u>	<u>Depth</u>	<u>Station</u>
COLLECTED 19 JULY 1990:				
1	21.0 ppt	27	0.3m	West Bay ICW #57 surface
3	19.0 ppt	27	0.3m	West Bay (Jones Lake, ca. 0.5km from Highland Bayou Div. Canal)
5	18 ppt	27.5	0.3m	HBDC mouth surface
6	15 ppt	28	0.3m	HBDC "D8000" ca. 5 km upstream, surface
7	21 ppt	26.9	ca 3m	HBDC mouth' 1 ft from bottom
8	17 ppt	27	ca 3m	HBDC "D8000" " " " "
9	13.5 ppt	28	0.3m	HBDC "D5000", ca 8 km upstream, surface
10	16 ppt	27	ca 2.5m	HBDC "D5000", 1 ft from bottom
COLLECTED 20 JULY 1990				
11	25.5 ppt	27	0.3m	HSCC Marker #10, Houston Ship Channel, Bolivar Roads, between jetties, 1ft from surface
12	25.0 ppt	27	5m	HSCC #10, Deep sample
13A	25 ppt	27	0.3m	HSCC #16, near Galveston channel, 1 ft from surface
13B	25 ppt	26.5	5m	HSCC #16, deep sample
14	22 ppt	27.5	0.3m	HSCC #26, north of ICWW, near Texas City Dike, surface(1ft) only
15	14 ppt	28	0.3m	HSCC #52, near Smith's Pt., surface
16	23 ppt	27.5	5m	HSCC #52, deep sample
17	10 ppt	28	0.3m	TB1S Sampling site, buoy between HSCC #52 and Trinity Bay, surface
18	9 ppt	28.5	0.3m	TB1N (west) sampling site, mouth of Trinity Bay, surface (1ft) only
19	11 ppt	28.5	0.3m	off April Fool's Pt. near pipeline ca midway between HSCC #52 and Dickinson Bayou
21	11 ppt	27.5	0.3m	Dickinson Bay, surface only
22	11 ppt	29	0.3m	Dickinson Bayou, ch. marker #27
23	7 ppt	28.5	0.3m	D. Bayou "STA C", ca 2km upstream
23B	10 ppt	27	2m	DB "STA C", 1 ft from bottom
24	3 ppt	28.5	0.3m	DB "STA D", ca 5km upstream, surface
25	5 ppt	27	3m	DB "STA D", 1 ft from bottom
26	2 ppt	28.5	0.3m	DB "STA E", ca 9 km upstream, surf.
27	1 ppt	28.5	0.3m	DB, near sewage treatment effluent, ca 10-12 km upstream, surface (1ft)
28	3 ppt	27.5	3m	DB, treatment effluent 1ft fr bot.
29	0 ppt	27.5	0.3m	DB, ca 15-18 km upstream, across IH 45, near park, surface (1 ft)
30	0 ppt	26.5	2m	DB, same as #29, but 1 ft fr. bot.

Galveston Bay Sampling, 19 July 90

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Station	Sampling Depth	Temp	Salinity	NO ₃	NO ₂	NH ₄	Urea	PO ₄	SiO ₄	CHL	MPAEC
1	0.3m	27	21	4.1	.48	2.3	1.0	2.14	54	2.3	0.7
3	"	27	19	3.4	.38	2.5	1.2	1.83	57	2.8	1.0
5	"	27.5	18	3.3	.39	4.1	1.3	1.84	56	2.8	1.0
6	"	28	15	2.4	.68	8.2	2.4	2.10	53	1.1	0.7
7	3m	27	21	0.3	.29	0.6	1.7	4.9	86	10.5	4.6
8	3m	27	17	0.2	.20	3.1	1.5	1.59	60	4.6	2.4
9	0.3m	28	14	7.8	.21	0.5	1.7	10.0	86	14.4	8.3
10	2.5m	27	16	11.8	.18	14.3	3.4	6.2	76	7.1	5.6



Galveston Bay Sampling, 20 July 90

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Station	Sampling Depth	Temp	Salinity	NO ₃	NO ₂	NH ₄	Urea	PO ₄	SiO ₄	CHL	PHAEO
11	0.3m	27	25.5	1.4	.42	0.9	0.7	.58	10	1.0	0.3
12	5m	27	25	1.4	.41	1.0	0.8	.61	9	0.5	0.4
13A	0.3m	27	25	0.6	.28	0.3	0.7	.76	13	1.0	0.4
13B	5m	26.5	25	1.3	.40	0.7	0.8	.66	10	0.9	0.3
14	0.3m	27.5	22	0.3	.22	0.2	0.7	1.65	41	1.7	0.6
15	0.3m	28	14	0.1	.13	0.2	0.7	3.36	90	3.2	1.1
16	5m	27.5	23	1.3	.37	0.7	1.4	1.13	25	1.6	0.8
17	0.3m	28	10	0.2	.12	0.4	1.0	5.9	96	4.0	1.5
18	0.3m	28.5	9	0.1	.11	0.3	0.7	6.0	105	5.8	2.1
19	0.3m	28.5	11	0.4	.10	0.2	0.8	5.5	92	4.1	1.4
21	0.3m	27.5	11	0.4	.13	0.4	0.9	6.6	107	5.0	1.3
22	0.3m	29	11	0.7	.19	0.1	0.8	6.1	104	5.4	2.0
23A	0.3m	28.5	7	0.3	.10	0.3	1.2	9.8	111	8.8	4.5
23B	2m	27	10	1.3	.32	2.1	1.3	7.4	110	5.2	2.9
24	0.3m	28.5	3	2.3	.25	0.4	1.2	16.0	122	16.0	9.7
25	3m	27	5	2.3	.34	6.5	3.1	12.9	121	6.5	6.4
26	0.3m	28.5	2	18.4	1.77	0.6	1.2	14.0	118	18.9	8.9
27	0.3m	28.5	1	33.6	2.76	0.3	1.2	12.6	116	17.6	8.4
28	3m	27.5	3	19.7	1.55	15.7	2.4	17.3	120	4.3	8.1
29	0.3m	27.5	<1	24.4	2.33	6.3	2.4	6.0	158	7.1	3.2
30	2m	26.5	<1	21.9	2.19	11.9	2.3	8.1	160	1.5	1.8

ACKNOWLEDGMENTS

Texas A&M University, in cooperation with the Texas Institute of Oceanography, provided 10 days and 5 days, respectively, of ship time for R/V GYRE cruise 90G-10. Texas A&M University also provides partial salary support for technical specialists in a Department of Oceanography pool comprised of autoanalyzer technicians, electronics technicians, and other marine technicians who support each of the TIGER Training and Research cruises of R/V GYRE. A cooperative agreement No. 14-35-0001-30501 with the US Minerals Management Service supports the at-sea participation of four TAMU technicians on TIGER cruises and the preparation of technical reports to archive and share the hydrographic data. The CTD data were shared 24 September 1990 with the National Oceanographic Data Center, which has assigned Identification Number #9000225 to the CTD data from this cruise.

The CTD, nutrients, oxygen, and salinity data archived in this report were collected and processed by TAMU Department of Oceanography Technicians Ken Bottom, Dennis Guffy, Mark Spears, and David Murphy; Phil Cheesman, Celeste Andreson, and Martin Ebel kindly pitched in to carry out the at-sea chlorophyll analyses. D.C. Biggs was responsible for quality control and served as editor-in-chief.

The CTD/rosette multisampler package, transmissometer, laboratory salinometer, dissolved oxygen titration rig, and autoanalyzer used to support this Training & Research program were awarded to TAMU by NSF grants for Oceanographic Instrumentation for R/V GYRE. Fluorometers were loaned by Dr. D.R. Schink and Dr. S.Z. El-Sayed.

At sea, the science party received cheerful support from the crew chartered to staff GYRE from Hornbeck Offshore Services and from Deck Engineers Desmond Rolf and David Barrow from the TAMU Marine Operations Group in Galveston, who ran GYRE's winches, cranes, and A-frames.



The Department of the Interior Mission

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



The Minerals Management Service Mission

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

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

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