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DATA REPORT SERIES NO. 82-2

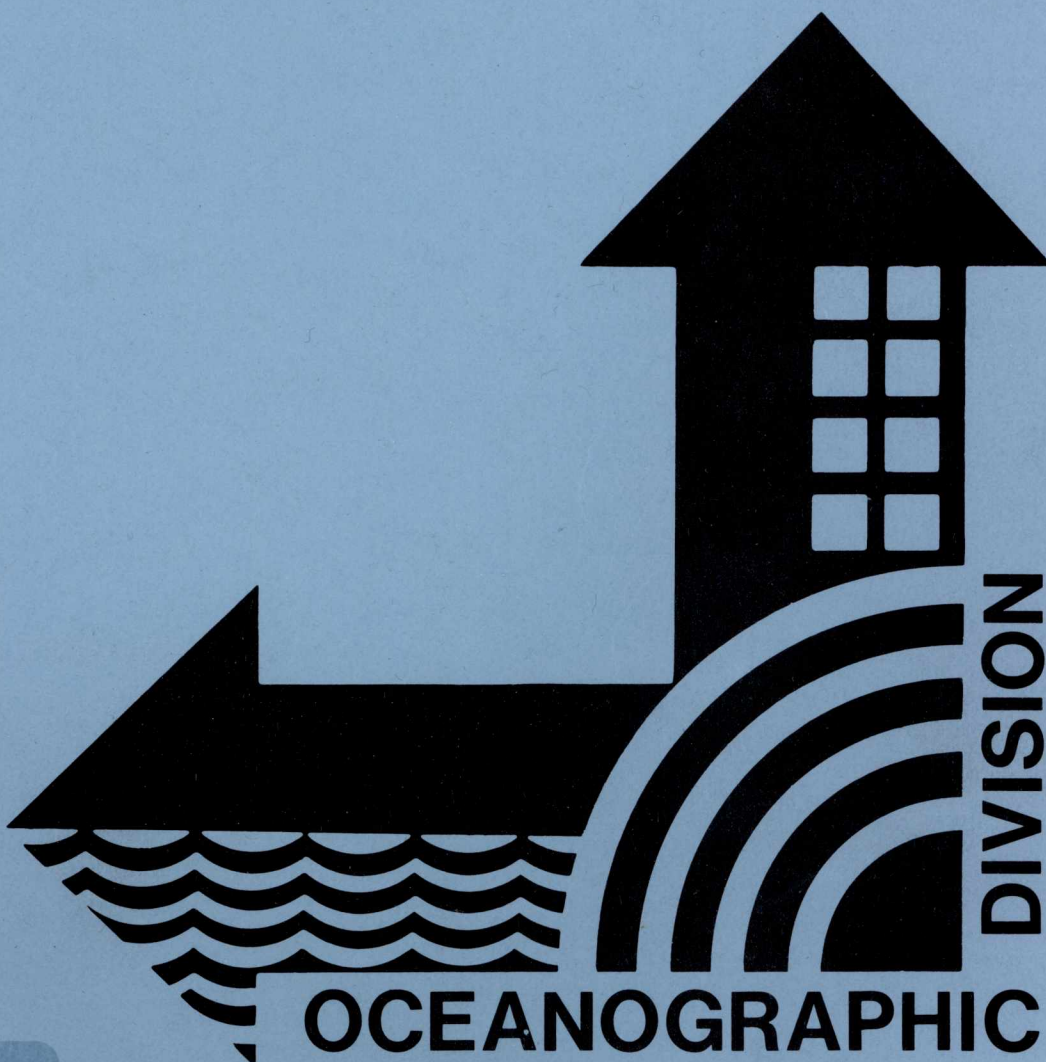
# HUDSON BAY/JAMES BAY OCEANOGRAPHIC SURVEY 1976 DATA REPORT VOLUME II

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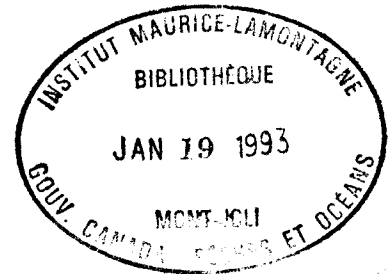
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OCEAN SCIENCE AND SURVEYS  
BAYFIELD LABORATORY FOR  
MARINE SCIENCE AND SURVEYS  
BURLINGTON, ONTARIO

HUDSON/JAMES BAY OCEANOGRAPHIC SURVEY  
1976 DATA REPORT  
VOLUME II

by

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### ABSTRACT

This report contains the salinity and temperature profile data collected in southern Hudson Bay (Belcher Islands) and James Bay (Fort George Estuary) areas during July and August of 1976. This data represents profiles for consecutive station numbers 70 to 269 collected during Phase II and bottle casts taken in conjunction with some of the CTD casts. See Volume I for Phase I data (current meter, tide gauge, meteorological data, profile data and for consecutive station numbers 1 to 66) collected from the entrance area to Hudson Bay.





### ACKNOWLEDGEMENTS

The authors would like to thank the crew of the M.V. Petrel, especially Captain I. Caron, for their patience and cooperation throughout the survey. Mr. D.J. Brooks was the Officer-in-Charge of the survey and oversaw all the oceanographic work; Messrs. S. Baird and D. Robertson maintained the equipment during the survey as well as refurbishing all instruments before the survey. Messrs. D. Sosnoski and J. Anning were involved in the various stages of the processing of the data and are all thanked for their efforts. Special thanks to Mrs. B. Couture for typing and Mrs. J. Fiddes for editing the final draft.



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## 1. INTRODUCTION

The Oceanographic Survey of 1976 in the entrance to James Bay was designed to study the exchange of water properties between Hudson and James Bays. Comparison with similar data collected during previous winter and summer surveys would provide an indication of the seasonal and yearly variation of the surface layer outflow from James Bay. The surface outflow is distinguishable by its low salinity and high temperature in comparison to the surface waters of Hudson Bay.

For a 15-km station grid, salinity and temperature data was collected of the total water column at 190 locations during the month of August. Most of the stations were occupied by means of the M.V. Petrel while some of the more inaccessible inshore locations were collected to compare and check CTD data.

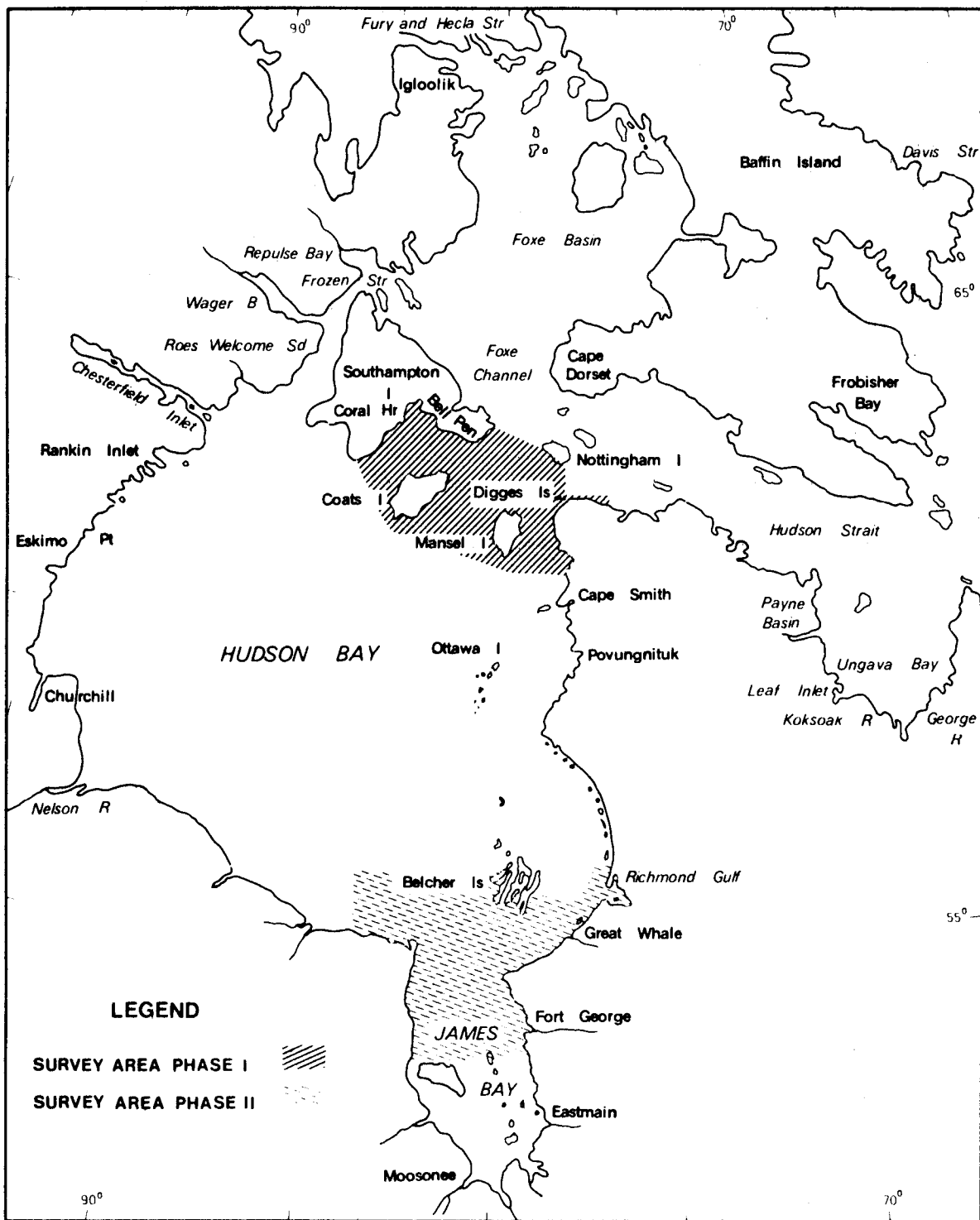


Figure 1: Survey Area Location

## 2. DATA COLLECTION

### 2.1 Positioning

The main vessel used during Phase II to collect CTD profile data was the M.V. Petrel. Its navigation system consisted of a Satellite (SAT-NAV) receiver with a Loran-C receiver for updating and verification. The other vessel used for operation in shallow water was the launch Mon Ark. It used the main ship for positioning and took bearings and distances from it and land structures to identify the stations it was occupying. All positions were converted to latitudes and longitudes and stored with the data.

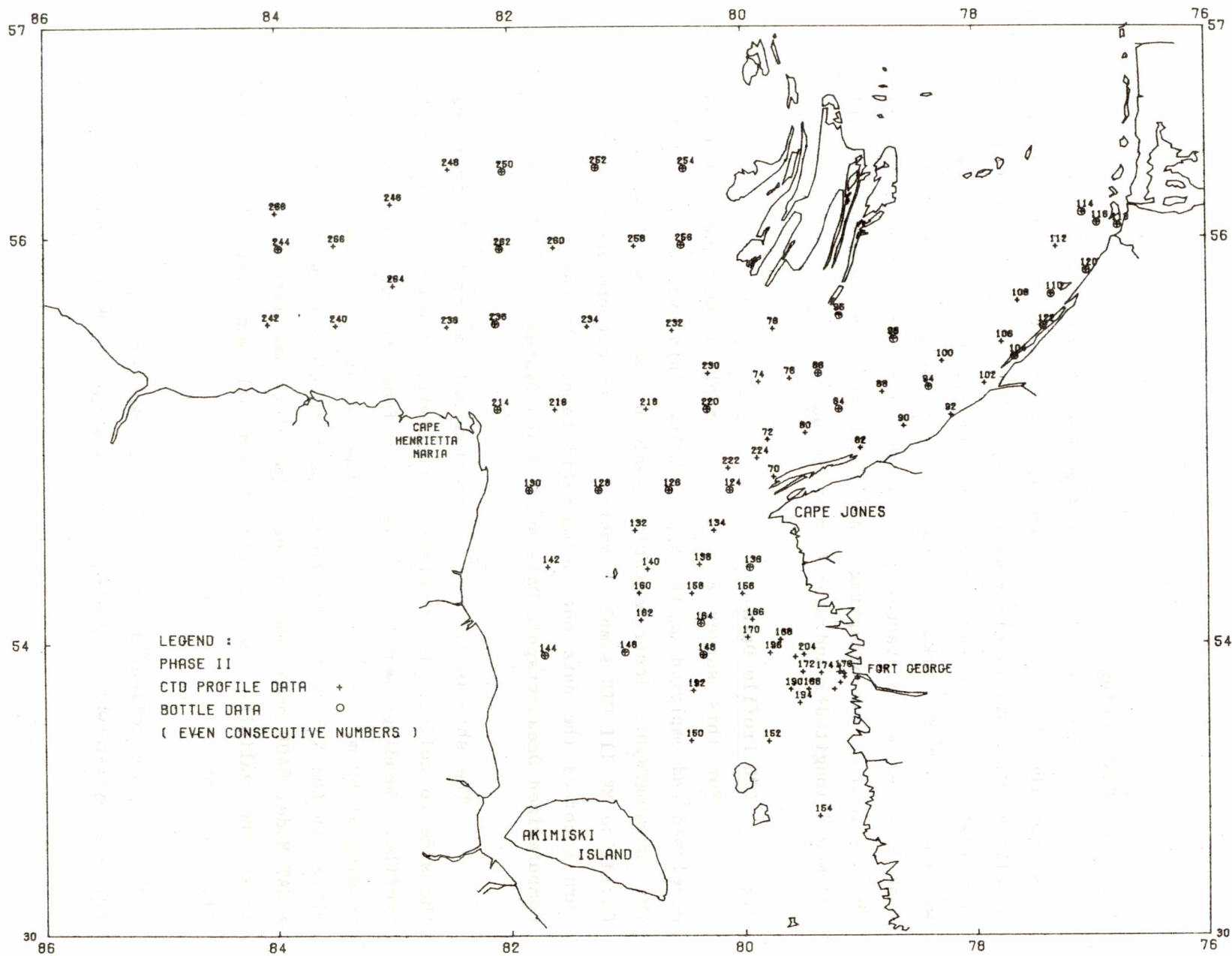
### 2.2 CTD Profile Data

For this survey a computer-controlled sampling system was developed and employed on the M.V. Petrel. This system, conceived by the Oceanographic Instrumentation section, was a matching of the Guildline MK III CTD sampling system to a central processor, which in turn recorded the data onto a magnetic tape. It was called CODAS: Computerized Oceanographic Data Acquisition System.

The ship would come on station and the probe lowered over the side to collect the vertical conductivity, temperature and depth profile. Readings were taken every 2 m from the surface to 50 m, a reading at 60 m, then every 15 m to the bottom. The data was transmitted to the X-Y plotter which was part of the system; the time from a CAT Model 8400 programmable real time clock was matched up with the data; the salinity was calculated and all were recorded on the magnetic tape.

Data collected on the launch Mon Ark used a second CTD sampling system which consisted of a Guildline MK IV deck unit and

Figure 2: CTD Profile and Bottle Cast Location  
(Even Consecutive Numbers)



probe. The probe was lowered over the side and the vertical profile of depth, temperature and conductivity ratio were transferred through the deck unit to a Sony cassette tape recorder which was interfaced to the deck unit. The values were stored on cassette tape.

This tape was taken back to the ship and, using the HP9825A calculator, the data was processed and stored on HP data cartridge tape. This tape was later transferred to seven-track magnetic tape. The magnetic tapes were then taken back to the Centre for further editing and analysis by a larger computer, a CDC Cyber 171.

Stations sampled with the Mon Ark launch were station consecutive numbers 177 to 189, 204 and 205.

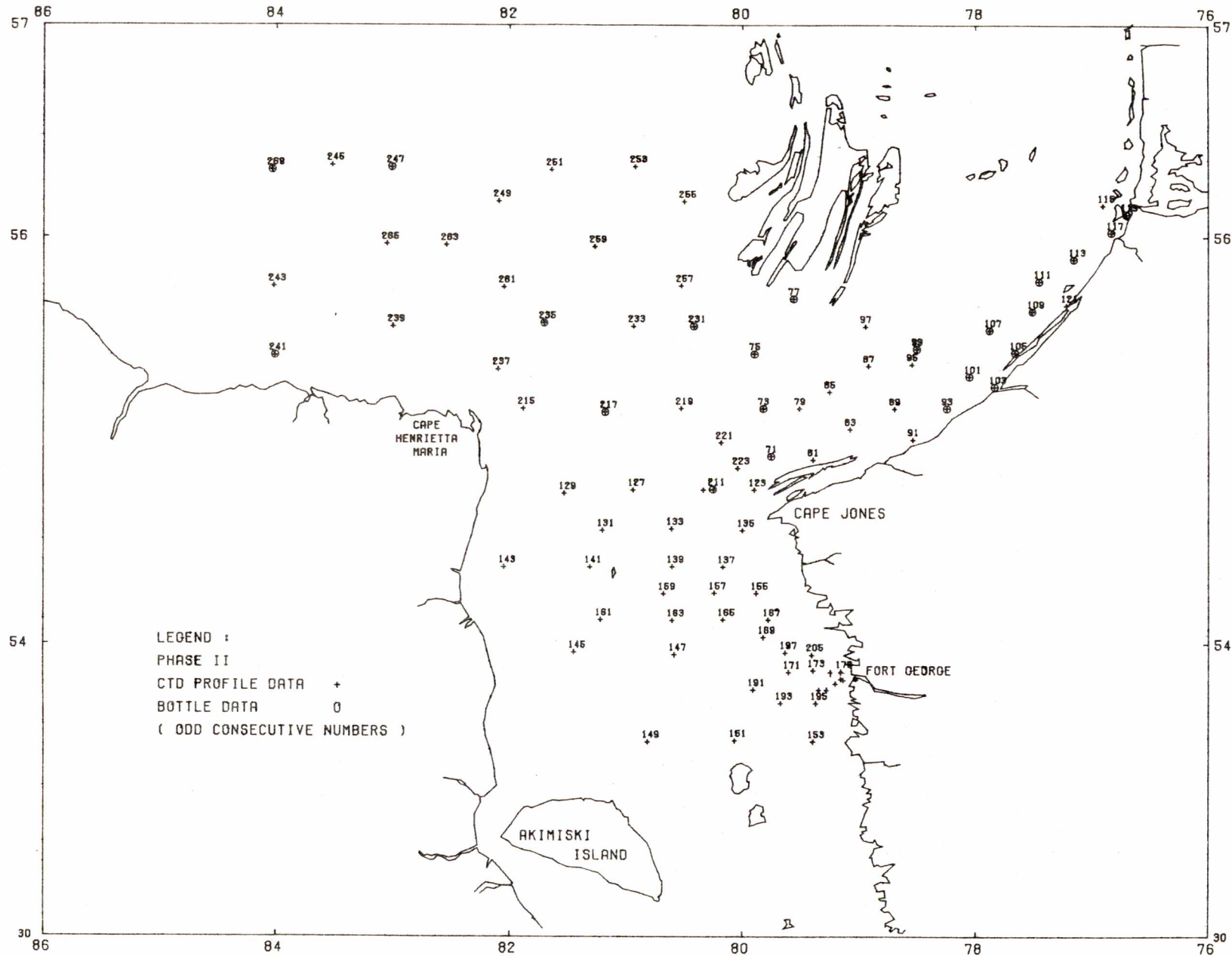
### 2.3 Bottle Cast Data

A 12-bottle rosette sampler, manufactured by General Oceanics, was used to collect water samples during the cruise. This sampler was modified to provide a digital readout of the depth utilizing a Viatran depth transducer, thus providing accurate depth readings for the samples collected. In addition, surface samples were taken using a bucket thermometer at each station. A Guildline Autosol was used to analyze the samples for salinity.

Figures 2 and 3 show the station locations of the CTD sampling grid during Phase II.



Figure 3: CTD Profile and Bottle Cast Location  
(Odd Consecutive Numbers)



### 3. DATA PRESENTATION

#### 3.1 CTD Profile Data

The CTD data presented here is for profile data collected on Phase II, consecutive numbers 70 to 269. The data are present in both plot and listings format. One hundred and ninety stations were occupied or re-occupied.

The profile data in the listings contains, first, a station header record which has the station location in latitude (north) and longitude (west), the date the profile was collected, and other information about the area at the time of sampling.

Next is the profile header record which contains the weather and sea conditions (if any) at the time of sampling. The actual profile is presented as a time sample (GMT), depth (metres), temperature ( $^{\circ}\text{C}$ ), salinity (parts per thousand) and sigma-t. An 'S' after the first depth reading (0.0 m) signifies this is data from a surface bottle cast. The remainder is Guildline MK III or MK IV data.

The plot of salinity, temperature and sigma-t profiles represents the same data that is given in the listings. The plots provide an easier means of ascertaining what types of changes do occur in the data as a function of depth. The horizontal axis represents the sigma-t, salinity and temperature scale. The vertical axis represents the depth scale.

#### 3.2 Bottle Cast Data

Bottle samples were taken with the rosette sampler. This data was used to verify the salinity values of the CTD profiles. The data is listed in the same format as the CTD data but no plots were

produced. In the header record, bottle data is signified by a 'B' in front of the station consecutive number. Bottle samples were taken at the same location as CTD profiles. Fifty-nine bottle samples in all were taken during Phase II.

4. CTD PROFILE DATA

CTD PROFILE DATA

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6511	1	70	13	8	54 50.00	79 44.50	58.0	18
6512	1	71	13	8	54 56.00	79 45.50	120.7	20
6513	1	72	13	8	55 1.00	79 47.50	85.9	22
6514	1	73	13	8	55 10.00	79 49.50	160.0	24
6515	1	74	13	8	55 18.00	79 52.00	115.0	26
6516	1	75	14	8	55 26.00	79 54.00	120.7	28
6517	1	76	14	8	55 33.50	79 44.50	100.0	30
6518	1	77	14	8	55 42.00	79 34.00	95.0	32
6524	1	78	14	8	55 19.00	79 36.00	132.0	34
6523	1	79	14	8	55 10.00	79 31.00	115.0	36
6522	1	80	14	8	55 3.00	79 28.00	110.0	38
6521	1	81	14	8	54 55.00	79 24.00	73.0	40
6532	1	82	14	8	54 58.50	78 59.50	86.0	42
6533	1	83	14	8	55 4.00	79 5.00	160.0	44
6534	1	84	14	8	55 10.00	79 10.50	137.1	46
6535	1	85	14	8	55 14.90	79 15.50	109.7	48
6536	1	86	14	8	55 20.50	79 21.00	182.0	50
6545	1	87	14	8	55 22.50	78 55.50	153.0	52
6544	1	88	14	8	55 15.00	78 48.00	147.0	54
6543	1	89	14	8	55 10.00	78 42.00	141.0	56
6542	1	90	15	8	55 5.00	78 37.00	74.0	58
6541	1	91	15	8	55 1.00	78 32.50	56.0	60
6551	1	92	15	8	55 8.25	78 12.50	43.9	62
6552	1	93	15	8	55 10.17	78 15.00	44.0	64
6553	1	94	15	8	55 16.50	78 24.00	161.9	66
6554	1	95	15	8	55 23.00	78 33.00	120.7	68
6568	1	96	15	8	55 37.50	79 10.00	40.2	70
6567	1	97	15	8	55 34.00	78 57.00	118.0	72
6566	1	98	15	8	55 30.50	78 42.00	126.0	74
6565	1	99	15	8	55 27.50	78 30.50	136.0	76
6564	1	100	15	8	55 24.00	78 17.00	191.0	78

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6563	1	101	15	8	55 19.50	78 3.50	45.0	80
6562	1	102	15	8	55 17.53	77 54.83	89.7	82
6561	1	103	15	8	55 16.50	77 50.50	46.7	84
6611	1	104	15	8	55 25.30	77 39.00	51.2	86
6612	1	105	15	8	55 26.50	77 40.00	31.0	88
6613	1	106	15	8	55 29.50	77 46.00	104.2	90
6614	1	107	15	8	55 33.00	77 53.00	133.0	92
6624	1	108	15	8	55 41.50	77 37.50	140.0	94
6623	1	109	15	8	55 38.50	77 31.00	163.0	96
6633	1	110	15	8	55 43.50	77 20.00	196.0	98
6634	1	111	16	8	55 47.17	77 27.50	160.0	100
6643	1	112	16	8	55 57.00	77 17.50	109.0	102
6642	1	113	16	8	55 53.50	77 9.50	144.5	104
6654	1	114	16	8	56 7.00	77 3.50	122.5	106
6663	1	115	16	8	56 9.00	76 54.50	164.6	108
6653	1	116	16	8	56 4.00	76 56.00	160.0	110
6652	1	117	16	8	56 1.25	76 50.00	129.0	112
6661	1	118	16	8	56 3.25	76 45.25	129.0	114
6662	1	119	16	8	56 6.50	76 42.50	128.0	116
6641	1	120	16	8	55 50.25	77 1.75	64.1	118
6631	1	121	16	8	55 40.20	77 13.50	47.5	120
6621	1	122	16	8	55 34.03	77 24.00	67.6	122
611	1	123	17	8	54 46.00	79 54.00	32.9	124
612	1	124	17	8	54 46.00	80 7.17	115.2	126
613	1	125	17	8	54 46.00	80 20.13	111.5	128
614	1	126	17	8	54 46.00	80 38.50	105.0	130
615	1	127	17	8	54 46.00	80 56.17	82.0	132
616	1	128	17	8	54 46.00	81 14.50	66.0	134
617	1	129	17	8	54 44.98	81 31.75	40.9	136
618	1	130	17	8	54 46.00	81 50.00	29.3	138
6415	1	131	17	8	54 34.00	81 12.00	60.3	140
6414	1	132	17	8	54 34.00	80 56.00	84.0	142
6413	1	133	17	8	54 34.40	80 36.30	109.7	144



<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6412	1	134	17	8	54 34.00	80 15.50	76.8	146
6411	1	135	17	8	54 34.00	80 0.00	78.0	148
622	1	136	17	8	54 23.00	79 57.10	46.0	150
623	1	137	17	8	54 23.00	80 10.00	72.8	152
624	1	138	17	8	54 23.80	80 23.00	57.0	154
625	1	139	18	8	54 23.08	80 36.08	71.0	156
626	1	140	18	8	54 22.50	80 49.75	64.0	158
627	1	141	18	8	54 23.00	81 18.50	62.0	160
628	1	142	18	8	54 23.17	81 40.67	51.2	162
629	1	143	18	8	54 23.00	82 3.00	27.4	164
603	1	144	18	8	53 56.50	81 42.60	45.0	166
607	1	145	18	8	53 57.40	81 26.80	40.0	168
602	1	146	18	8	53 57.50	81 1.50	39.0	170
606	1	147	18	8	53 56.67	80 35.00	27.4	172
601	1	148	18	8	53 56.67	80 21.25	51.2	174
635	1	149	18	8	53 30.17	80 48.67	36.5	176
634	1	150	18	8	53 30.50	80 27.70	47.5	178
633	1	151	18	8	53 30.60	80 4.00	57.0	180
632	1	152	18	8	53 30.30	79 47.70	42.0	182
631	1	153	18	8	53 30.30	79 24.00	45.0	184
644	1	154	19	8	53 7.25	79 21.50	53.0	186
6113	1	155	21	8	54 15.15	79 53.00	60.3	188
6114	1	156	21	8	54 15.10	80 1.00	65.8	190
6115	1	157	21	8	54 15.20	80 14.50	47.5	192
6116	1	158	21	8	54 15.20	80 27.00	47.5	194
6117	1	159	21	8	54 15.00	80 40.50	51.0	196
6118	1	160	21	8	54 15.30	80 54.10	41.8	198
6130	1	161	21	8	54 7.20	81 13.00	40.0	200
6129	1	162	21	8	54 7.10	80 53.20	22.0	202
6128	1	163	22	8	54 7.00	80 36.00	38.4	204
6127	1	164	22	8	54 6.11	80 22.43	49.4	206
6126	1	165	22	8	54 7.20	80 10.00	67.7	208
6125	1	166	22	8	54 7.25	79 56.00	69.5	210

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
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6134	1	168	22	8	54 1.20	79 41.50	41.0	214
6135	1	169	22	8	54 1.92	79 49.40	59.0	216
6136	1	170	22	8	54 1.92	79 58.40	76.9	218
6156	1	171	22	8	53 51.42	79 36.50	42.1	220
6155	1	172	22	8	53 51.42	79 30.00	36.6	222
6154	1	173	22	8	53 51.97	79 23.90	42.1	224
6153	1	174	22	8	53 51.10	79 20.50	40.2	226
6152	1	175	22	8	53 51.42	79 14.92	34.7	228
6151	1	176	22	8	53 51.42	79 10.60	43.8	230
6001	1	177	23	8	53 49.40	79 9.65	13.0	232
6002	1	178	23	8	53 50.90	79 8.70	31.0	234
6003	1	179	23	8	53 51.70	79 9.70	14.0	236
6151	2	180	23	8	53 51.42	79 10.50	32.0	238
6004	1	181	23	8	53 51.16	79 11.30	23.0	240
6005	1	182	23	8	53 49.90	79 8.55	14.0	242
6006	1	183	23	8	53 49.10	79 8.43	13.5	244
6007	1	184	23	8	53 48.16	79 10.75	12.5	246
6008	1	185	23	8	53 48.00	79 12.50	16.0	248
6161	1	186	23	8	53 46.10	79 13.70	16.5	250
6162	1	187	23	8	53 46.10	79 17.00	25.0	252
6164	1	188	23	8	53 46.10	79 27.00	27.0	254
6163	1	189	23	8	53 46.10	79 21.00	25.5	256
6165	1	190	24	8	53 46.10	79 36.30	44.0	258
6166	1	191	24	8	53 46.05	79 54.57	65.9	260
6167	1	192	24	8	53 45.75	80 26.50	31.8	262
6174	1	193	24	8	53 42.00	79 40.50	66.7	264
6173	1	194	24	8	53 42.00	79 31.60	51.2	266
6172	1	195	24	8	53 42.00	79 22.50	40.2	268
6147	1	196	24	8	53 57.20	79 46.90	61.0	270
6146	1	197	24	8	53 57.30	79 38.20	52.0	272
6145	1	198	24	8	53 56.00	79 33.80	45.0	274
6151	3	199	25	8	53 51.42	79 10.50	49.4	276

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6152	2	200	25	8	53 51.42	79 14.92	34.7	278
6153	2	201	25	8	53 51.45	79 19.52	38.4	280
6154	2	202	25	8	53 51.42	79 23.50	36.6	282
6145	2	203	25	8	53 56.66	79 33.92	42.0	284
6144	1	204	25	8	53 56.70	79 29.40	13.0	286
6143	1	205	25	8	53 56.70	79 24.60	10.5	288
611	2	206	25	8	54 45.80	79 54.30	41.0	290
612	2	207	25	8	54 44.50	80 8.00	133.0	292
613	2	208	26	8	54 46.00	80 20.83	117.1	294
614	2	209	26	8	54 46.02	80 38.67	113.5	296
615	2	210	26	8	54 46.50	80 56.67	86.0	298
616	1	211	26	8	54 46.20	80 15.00	65.8	300
617	2	212	26	8	54 46.20	81 31.90	47.5	302
618	2	213	26	8	54 46.00	81 50.00	32.9	304
6471	1	214	26	8	55 10.00	82 6.00	20.5	306
6425	1	215	26	8	55 10.00	81 53.00	37.5	308
6424	1	216	26	8	55 10.00	81 36.50	65.0	310
6423	1	217	26	8	55 9.00	81 10.50	85.0	312
6422	1	218	26	8	55 10.00	80 50.00	102.5	314
6421	1	219	26	8	55 10.00	80 31.57	95.0	316
6463	1	220	26	8	55 10.00	80 18.50	98.0	318
6462	1	221	26	8	55 0.00	80 11.00	122.5	320
6461	1	222	26	8	54 52.50	80 8.00	128.0	322
6501	1	223	26	8	54 52.50	80 2.50	115.2	324
6502	1	224	26	8	54 55.50	79 53.00	111.5	326
6511	2	225	26	8	54 50.00	79 44.50	65.8	328
6512	2	226	26	8	54 56.00	79 45.50	115.2	330
6513	2	227	26	8	55 1.00	79 47.50	81.0	332
6514	2	228	26	8	55 9.95	79 47.90	166.0	334
6515	2	229	26	8	55 18.00	79 52.00	162.0	336
6464	1	230	27	8	55 20.50	80 18.00	109.8	338
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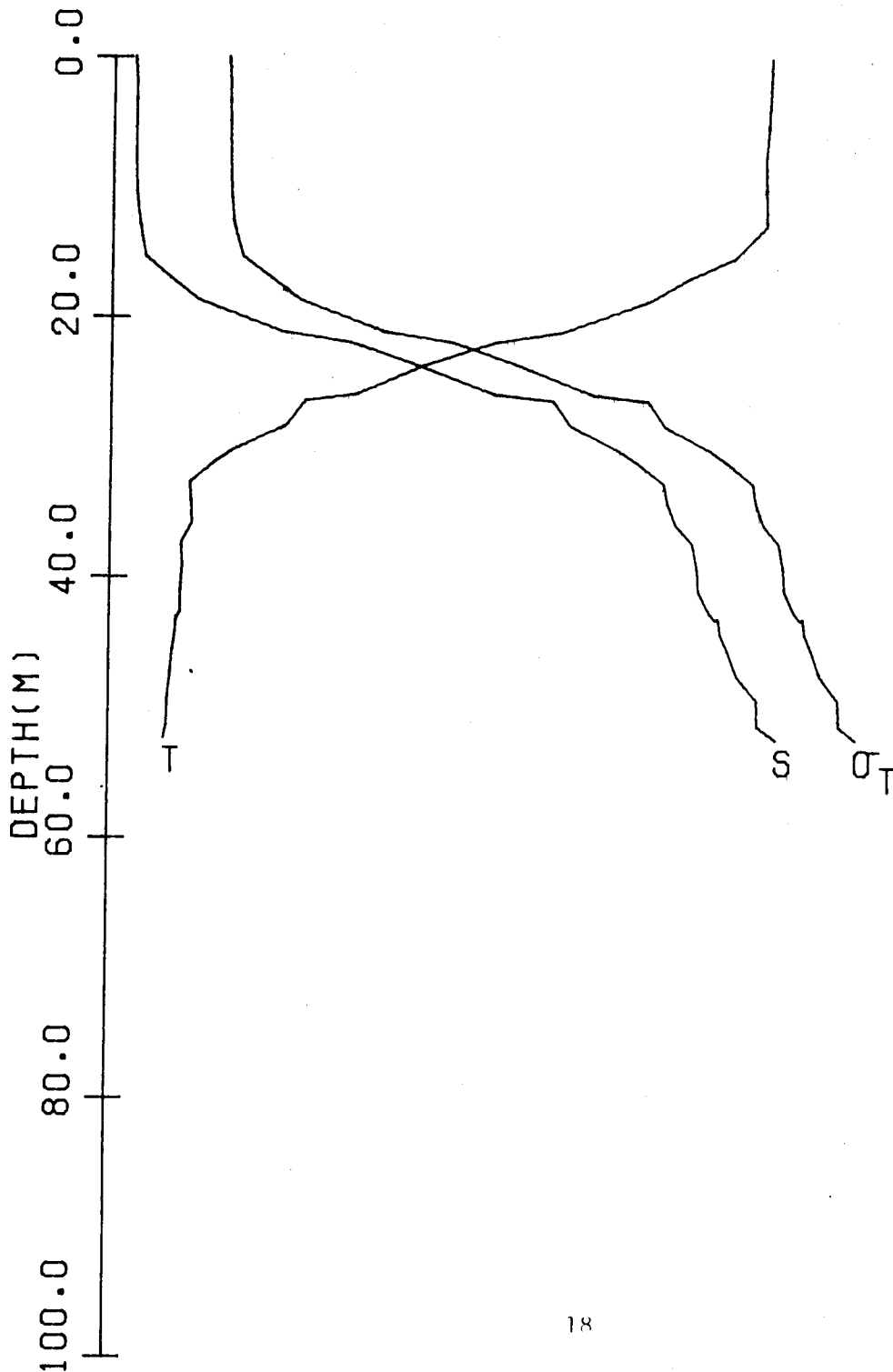
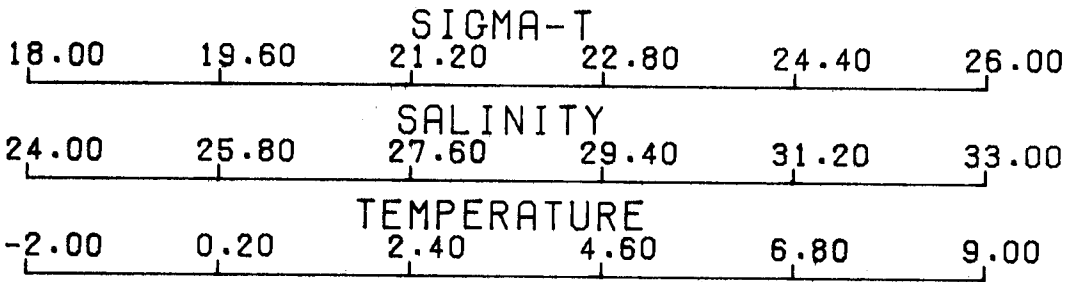
<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6433	1	233	27	8	55 34.00	80 56.00	100.6	344
6434	1	234	27	8	55 34.20	81 19.83	100.5	346
6435	1	235	27	8	55 35.00	81 42.10	87.7	348
6436	1	236	27	8	55 35.00	82 7.00	74.9	350
6472	1	237	27	8	55 21.50	82 6.00	40.0	352
6437	1	238	27	8	55 34.00	82 32.00	33.0	354
6438	1	239	27	8	55 34.00	83 0.00	38.4	356
6439	1	240	27	8	55 34.47	83 29.00	42.0	358
6491	1	241	27	8	55 25.60	84 .60	24.6	360
6492	1	242	27	8	55 34.90	84 4.00	47.5	362
6493	1	243	27	8	55 45.70	84 1.00	76.8	364
6494	1	244	27	8	55 56.90	83 58.20	115.2	366
6458	1	245	29	8	56 20.40	83 31.20	91.4	368
6482	1	246	29	8	56 9.50	83 .80	84.1	370
6457	1	247	29	8	56 19.70	83 .50	91.0	372
6456	1	248	29	8	56 19.50	82 31.10	83.0	374
6474	1	249	29	8	56 10.00	82 5.50	107.9	376
6455	1	250	30	8	56 19.00	82 3.00	109.8	378
6454	1	251	30	8	56 19.00	81 38.33	131.7	380
6453	1	252	30	8	56 20.00	81 15.00	150.1	382
6452	1	253	30	8	56 19.90	80 55.10	153.6	384
6469	1	254	30	8	56 19.70	80 29.90	137.1	386
6468	1	255	30	8	56 9.95	80 29.90	80.1	388
6467	1	256	30	8	55 57.80	80 31.40	117.0	390
6466	1	257	30	8	55 45.70	80 31.50	96.0	392
6442	1	258	30	8	55 57.50	80 55.60	116.0	394
6443	1	259	30	8	55 57.00	81 16.00	128.0	396
6444	1	260	30	8	55 57.02	81 37.00	113.4	398
6473	1	261	30	8	55 45.30	82 3.00	91.4	400
6445	1	262	30	8	55 56.70	82 4.60	98.7	402
6446	1	263	30	8	55 57.50	82 32.70	71.3	404
6481	1	264	30	8	55 46.00	82 59.60	44.5	406
6447	1	265	30	8	55 57.80	83 3.10	62.5	408

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
6448	1	266	30	8	55 57.60	83 29.90	74.0	410
6494	2	267	31	8	55 56.90	84 0.00	106.0	412
6495	1	268	31	8	56 7.00	84 .06	107.9	414
6496	1	269	31	8	56 19.02	84 1.93	137.0	416
6512	1	B 71	13	8	54 56.00	79 45.50	120.7	419
6514	1	B 73	13	8	55 10.00	79 49.50	160.0	419
6516	1	B 75	14	8	55 26.00	79 54.00	120.7	420
6518	1	B 77	14	8	55 42.00	79 34.00	95.0	420
6534	1	B 84	14	8	55 10.00	79 10.50	137.1	421
6536	1	B 86	14	8	55 20.50	79 21.00	182.0	421
6552	1	B 93	15	8	55 10.17	78 15.00	44.0	422
6553	1	B 94	15	8	55 16.50	78 24.00	161.9	422
6568	1	B 96	15	8	55 37.50	79 10.00	40.2	423
6566	1	B 98	15	8	55 30.50	78 42.00	126.0	423
6565	1	B 99	15	8	55 27.50	78 30.50	136.0	424
6563	1	B101	15	8	55 19.50	78 3.50	45.0	424
6561	1	B103	15	8	55 16.50	77 50.50	46.7	425
6611	1	B104	15	8	55 25.30	77 39.00	51.2	425
6612	1	B105	15	8	55 26.50	77 40.00	31.0	426
6614	1	B107	15	8	55 33.00	77 53.00	133.0	426
6623	1	B109	15	8	55 38.50	77 31.00	163.0	427
6633	1	B110	15	8	55 43.50	77 20.00	196.0	427
6634	1	B111	16	8	55 47.17	77 27.50	160.0	428
6642	1	B113	16	8	55 53.50	77 9.50	144.5	428
6654	1	B114	16	8	56 7.00	77 3.50	122.5	429
6653	1	B116	16	8	56 4.00	76 56.00	160.0	429
6652	1	B117	16	8	56 1.25	76 50.00	129.0	430
6661	1	B118	16	8	56 3.25	76 45.25	129.0	430
6662	1	B119	16	8	56 6.50	76 42.50	128.0	431
6641	1	B120	16	8	55 50.25	77 1.75	64.1	431
6631	1	B121	16	8	55 40.20	77 13.50	47.5	432
6621	1	B122	16	8	55 34.03	77 24.00	67.6	432
612	1	B124	17	8	54 46.00	80 7.17	115.2	433

<u>STN. NO.</u>	<u>VISIT NO.</u>	<u>CONS. NO.</u>	<u>DAY</u>	<u>MONTH</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>SOUNDING (M)</u>	<u>PAGE</u>
614	1	B126	17	8	54 46.00	80 38.50	105.0	433
616	1	B128	17	8	54 46.00	81 14.50	66.0	434
618	1	B130	17	8	54 46.00	81 50.00	29.3	434
622	1	B136	17	8	54 23.00	79 57.10	46.0	435
603	1	B144	18	8	53 56.50	81 42.60	45.0	435
602	1	B146	18	8	53 57.50	81 1.50	39.0	436
601	1	B148	18	8	53 56.67	80 21.25	51.2	436
6127	1	B164	22	8	54 6.11	80 22.43	49.4	437
612	2	B207	25	8	54 44.50	80 8.00	133.0	437
615	2	B210	26	8	54 46.50	80 56.67	86.0	438
616	1	B211	26	8	54 46.20	80 15.00	65.8	438
618	2	B213	26	8	54 46.00	81 50.00	32.9	439
6471	1	B214	26	8	55 10.00	82 6.00	20.5	439
6423	1	B217	26	8	55 9.00	81 10.50	85.0	440
6463	1	B220	26	8	55 10.00	80 18.50	98.0	440
6512	2	B226	26	8	54 56.00	79 45.50	115.2	441
6514	2	B228	26	8	55 9.95	79 47.90	166.0	441
6465	1	B231	27	8	55 34.00	80 25.00	65.8	442
6435	1	B235	27	8	55 35.00	81 42.10	87.7	442
6436	1	B236	27	8	55 35.00	82 7.00	74.9	443
6491	1	B241	27	8	55 25.60	84 .60	24.6	443
6494	1	B244	27	8	55 56.90	83 58.20	115.2	444
6457	1	B247	29	8	56 19.70	83 .50	91.0	444
6455	1	B250	30	8	56 19.00	82 3.00	109.8	445
6453	1	B252	30	8	56 20.00	81 15.00	150.1	445
6469	1	B254	30	8	56 19.70	80 29.90	137.1	446
6467	1	B256	30	8	55 57.80	80 31.40	117.0	446
6445	1	B262	30	8	55 56.70	82 4.60	98.7	447
6494	2	B267	31	8	55 56.90	84 0.00	106.0	447
6496	1	B269	31	8	56 19.02	84 1.93	137.0	448



STATION NO. 6511 1 70 MONTH 8 DAY 13



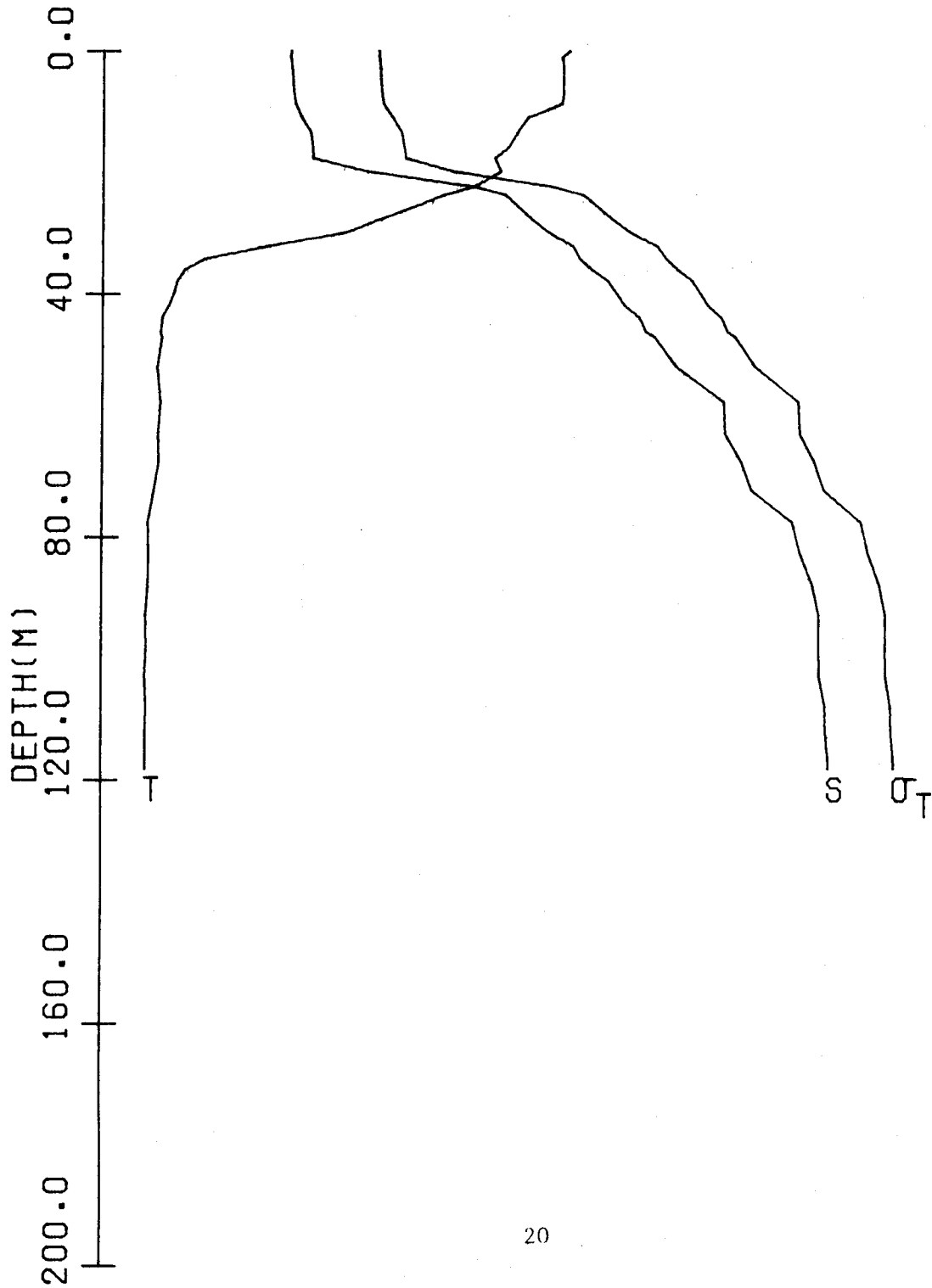
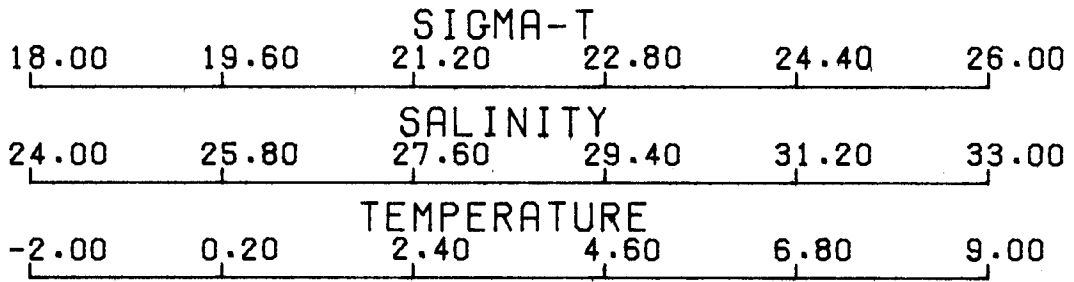
AREA SQUARE NUM 52075  
 DATE 8 MONTH 13 DAY  
 STATION NUM 6511 VISIT NUM 1 CONSECUTIVE NUM 70  
 LATITUDE 54 DEGREES 50.00 MINUTES  
 LONGITUDE 79 DEGREES 44.50 MINUTES  
 SOUNDING 58.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-447  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 30 DEG  
 TEMP DRY 6.8 C TEMP WET 6.8 C  
 PRESSURE 1020.5 M BAR WAVE HEIGHT 1.5 M  
 SWELL HEIGHT .5 M SWELL DIR M  
 SFCCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1930	0.0	6.300	24.217	19.057
1935	1.0	6.290	24.230	19.068
1935	3.1	6.280	24.230	19.069
1935	5.2	6.260	24.230	19.071
1935	7.7	6.230	24.230	19.074
1935	10.3	6.240	24.240	19.081
1935	12.9	6.250	24.280	19.111
1935	15.4	5.850	24.340	19.190
1935	17.0	5.270	24.598	19.457
1935	18.7	4.780	24.889	19.731
1936	21.1	3.680	25.749	20.500
1936	23.0	2.830	25.462	21.126
1936	25.0	1.930	27.167	21.742
1936	26.0	1.070	27.962	22.421
1936	28.0	.440	28.554	22.931
1936	30.0	.200	28.745	23.085
1936	31.2	.460	29.246	23.510
1936	32.1	.680	29.429	23.663
1936	34.2	-1.000	29.714	23.901
1936	35.2	-1.980	29.751	23.930
1936	37.0	-1.970	29.841	24.002
1936	39.0	-1.100	30.013	24.144
1936	41.0	-1.090	30.060	24.182
1936	42.0	-1.110	30.079	24.198
1937	43.0	-1.110	30.194	24.291
1937	43.0	-1.160	30.257	24.343
1937	44.0	-1.170	30.287	24.367
1937	45.0	-1.170	30.310	24.386
1937	47.0	-1.200	30.384	24.446
1937	49.0	-1.230	30.486	24.529
1937	51.0	-1.260	30.690	24.695
1938	51.0	-1.270	30.699	24.702
1938	52.0	-1.300	30.890	24.857

S

STATION NO. 6512 1 71 MONTH 8 DAY 13



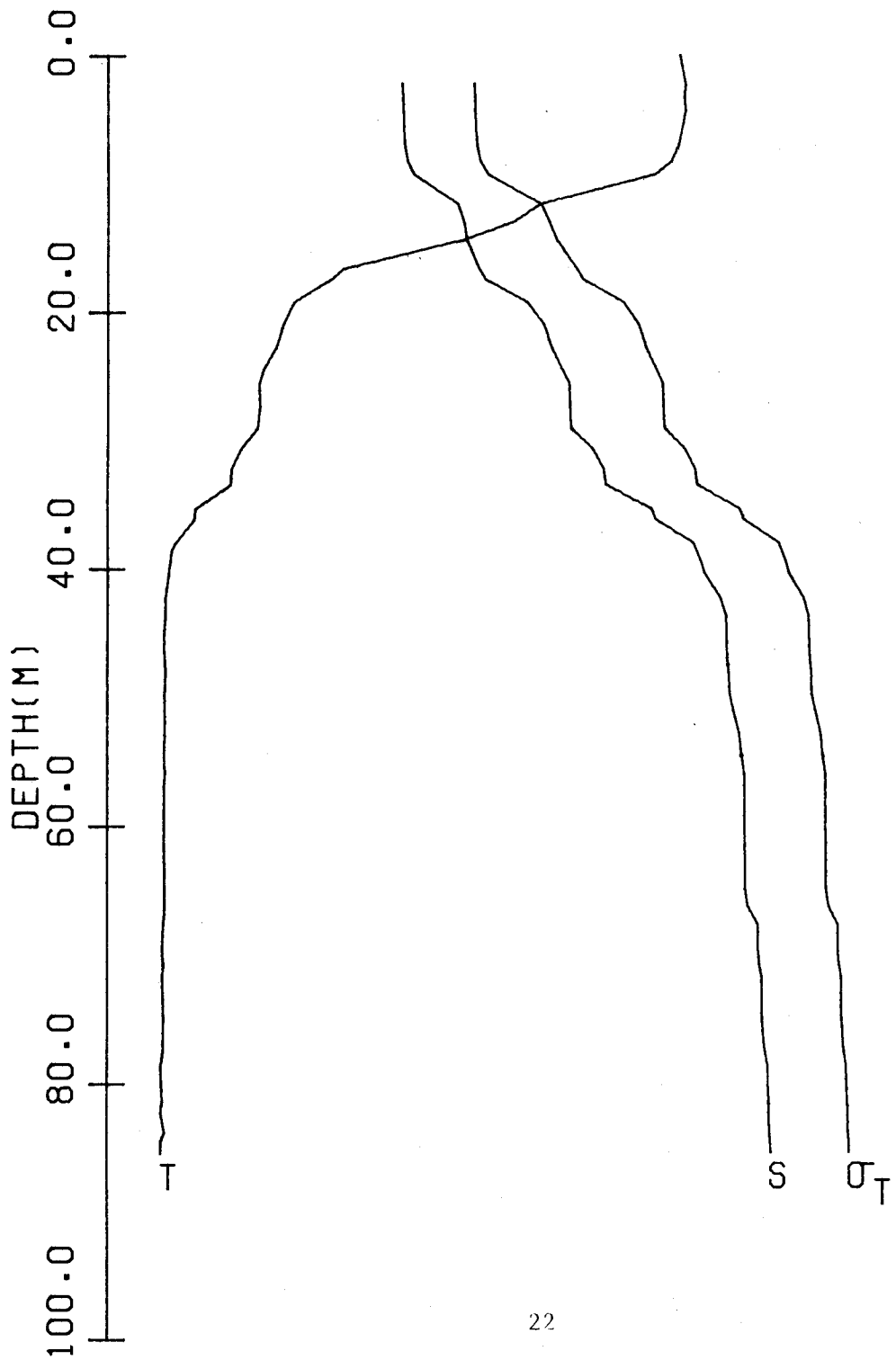
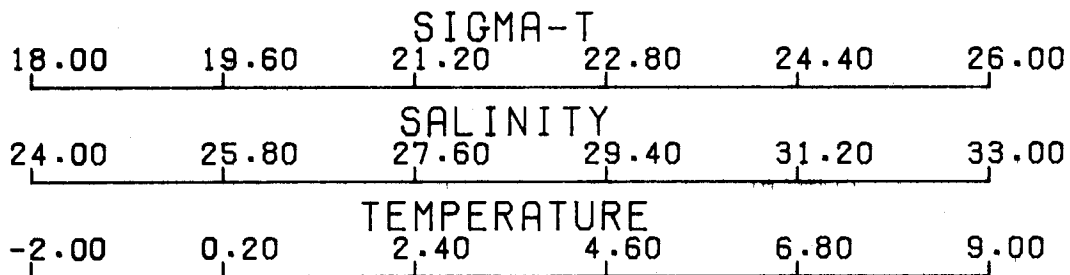
AREA SQUARE NUM 52076  
 DATE 8 MONTH 13 DAY  
 STATION NUM 6512 VISIT NUM 1 CONSECUTIVE NUM 71  
 LATITUDE 54 DEGREES 56.00 MINUTES  
 LONGITUDE 79 DEGREES 45.50 MINUTES  
 SOUNDING 120.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDLINE MARK III 40-447  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 2 DEG  
 TEMP DRIFT 5.0 C TEMP WET 5.9 C  
 PRESSURE 1020.9 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
20220	0.0	4.300	26.067	20.702
20227	1.1	4.190	26.058	20.704
20227	1.3	4.200	26.066	20.710
20228	2.7	4.210	26.077	20.718
20228	5.1	4.210	26.089	20.727
20228	7.1	4.210	26.100	20.736
20228	8.7	4.190	26.115	20.740
20228	11.0	3.730	26.186	20.842
20228	13.4	3.590	26.285	20.931
20228	15.9	3.470	26.307	20.958
20228	17.7	3.280	26.310	20.974
20228	19.9	3.370	26.314	21.447
20228	22.4	3.000	28.113	22.418
20228	23.7	2.610	28.447	22.719
20228	26.1	2.110	28.621	22.891
20228	27.9	1.700	28.755	23.023
20228	29.9	1.290	28.930	23.185
20228	32.2	0.230	29.200	23.450
20229	34.3	-0.530	29.279	23.541
20229	36.1	-0.900	29.413	23.655
20229	37.9	-1.000	29.581	23.793
20229	39.9	-1.040	29.677	23.872
20229	41.9	-1.110	29.775	23.952
20229	43.9	-1.200	29.935	24.083
20229	46.3	-1.220	30.041	24.145
20229	47.1	-1.200	30.107	24.222
20229	52.1	-1.260	30.353	24.422
20229	57.8	-1.220	30.377	24.645
20300	63.0	-1.250	30.391	24.857
20300	67.5	-1.240	31.067	24.999
20300	72.6	-1.300	31.185	25.096
20300	77.5	-1.380	31.632	25.459
20300	82.7	-1.370	31.721	25.531
20300	87.9	-1.380	31.861	25.644
20301	92.9	-1.410	31.934	25.704
20301	98.2	-1.400	31.935	25.705
20301	102.8	-1.420	31.930	25.703
20301	107.9	-1.400	32.002	25.759
20301	112.7	-1.410	32.010	25.766
20301	116.3	-1.410	32.038	25.788
20302	118.1	-1.410	32.040	25.790

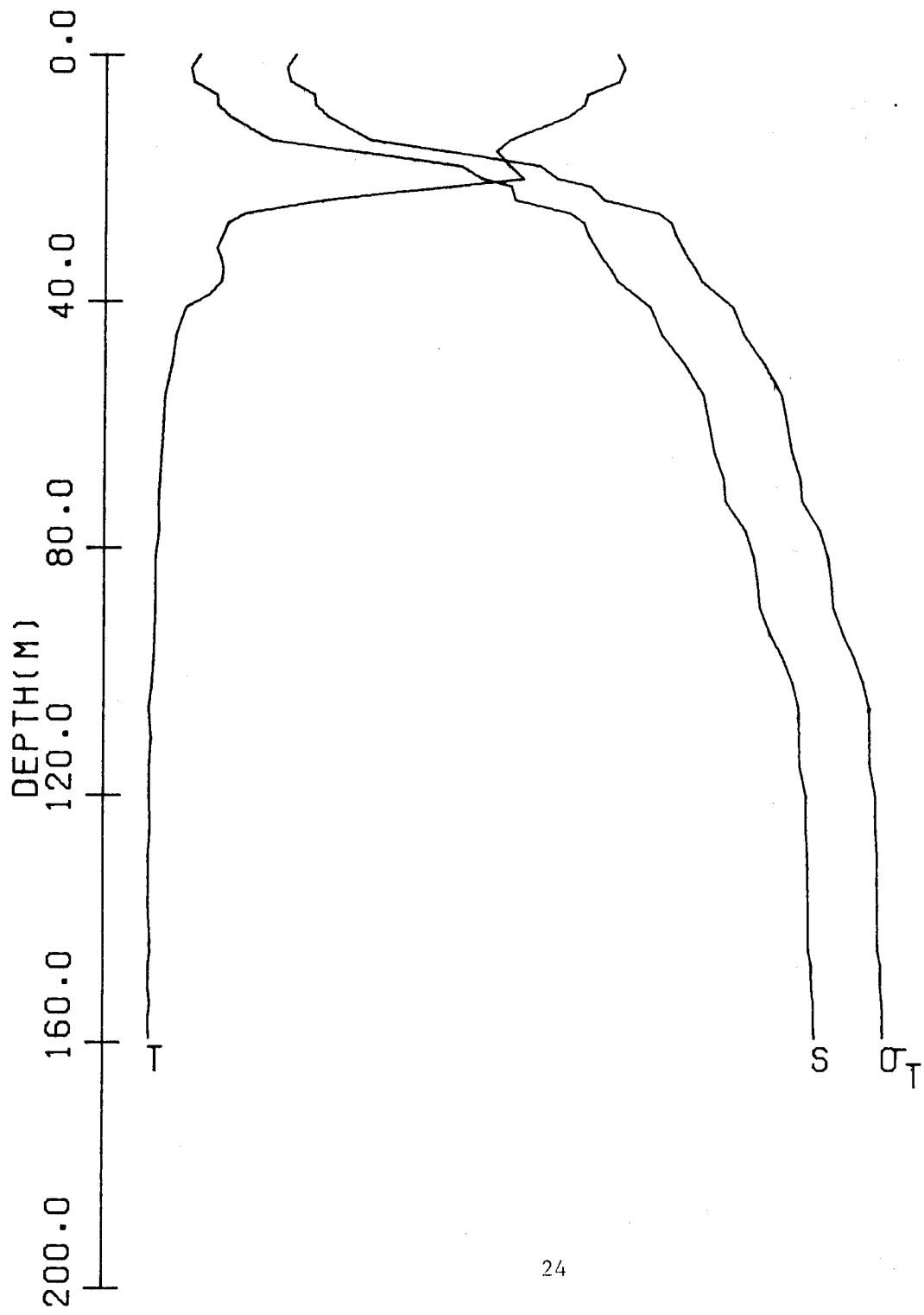
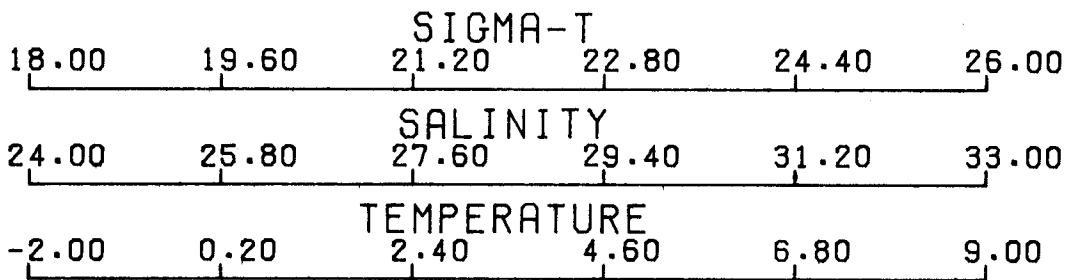
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STATION NO. 6513 1 72 MONTH 8 DAY 13





STATION NO. 6514 1 73 MONTH 8 DAY 13



AREA SQUARE NUM 52076  
 DATE 8 MONTH 13 DAY  
 STATION NUM 6514 VISIT NUM 1 CONSECUTIVE NUM 73  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 79 DEGREES 49.50 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS  
 NUMBER OF PROFILES 1  
 MV PETREL, GUILDLINE MARK III 40-447

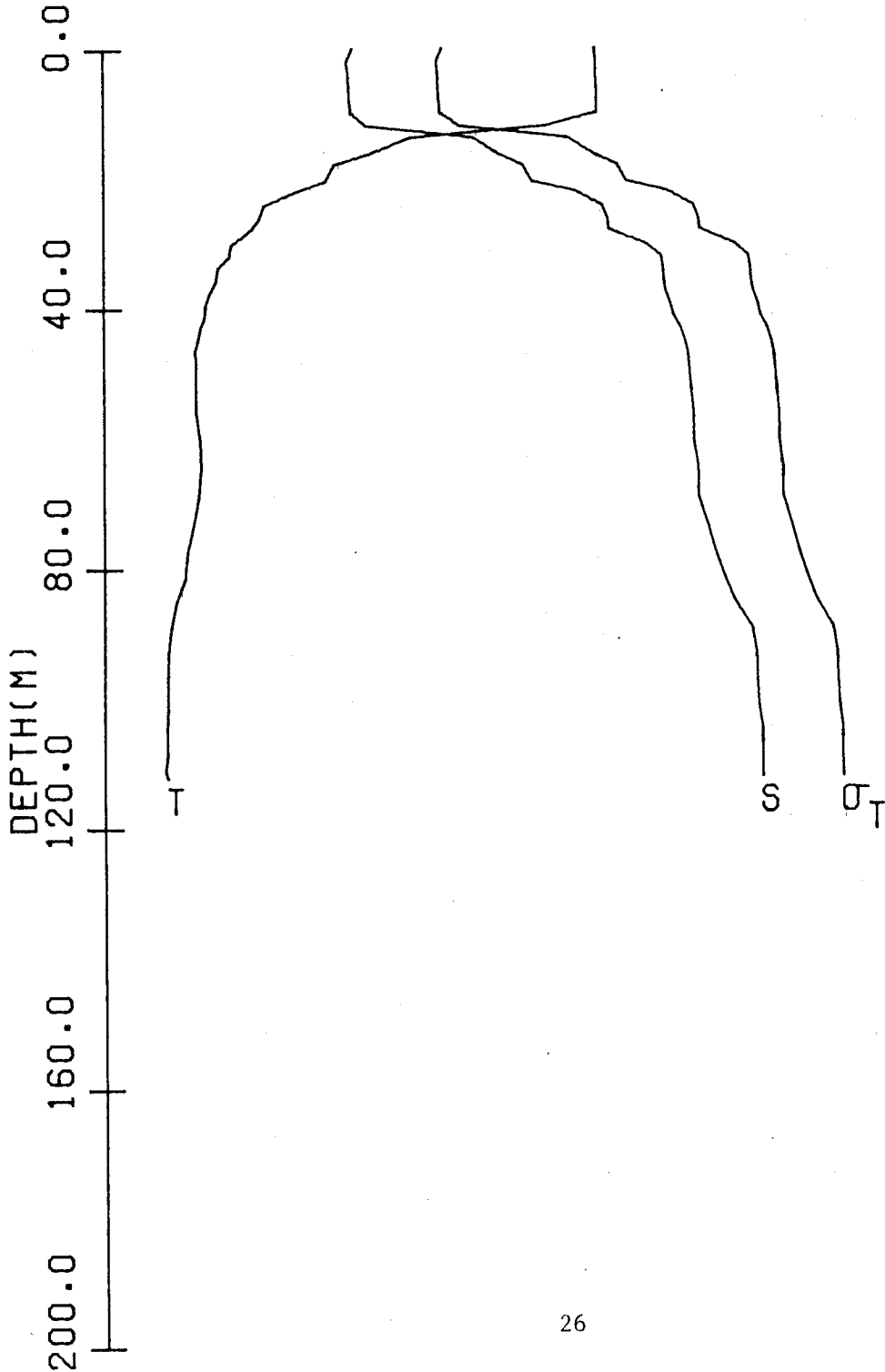
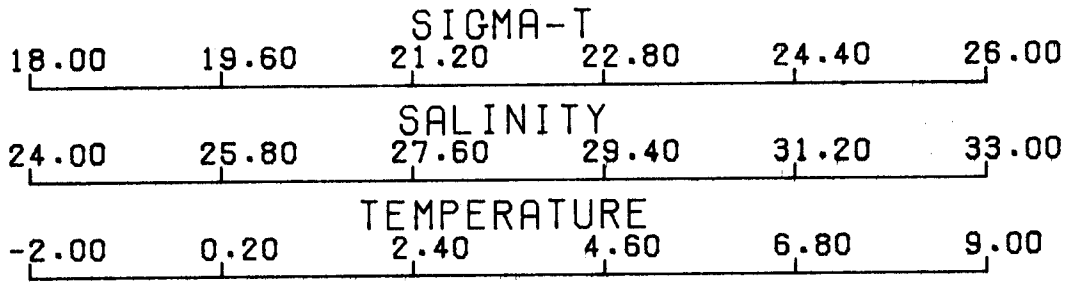
PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 350 DEG  
 TEMP DRY 5.1 C TEMP WET 5.1 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT 1.2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
22 2	0.0	4.800	25.018	19.831
22 4	2.1	4.890	24.922	19.747
22 4	4.4	4.810	24.836	19.781
22 4	6.5	4.390	24.720	20.011
22 4	8.6	4.350	24.709	20.020
22 4	10.7	4.130	24.635	20.151
22 4	12.8	3.950	24.669	20.446
22 4	14.9	3.990	24.795	20.560
22 4	17.0	3.180	24.674	21.270
22 5	18.1	3.360	24.857	21.196
22 5	20.2	3.950	24.895	21.370
22 5	22.3	3.910	24.409	21.680
22 5	24.4	3.910	24.511	21.820
22 5	26.5	3.150	24.050	23.342
22 5	28.6	3.850	24.198	23.513
22 5	30.7	3.450	24.250	23.630
22 5	32.8	3.470	24.395	23.630
22 5	34.9	3.440	24.432	23.707
22 5	37.0	3.660	24.567	23.768
22 5	39.1	3.930	24.752	23.922
22 6	41.2	3.060	24.932	24.071
22 6	43.3	3.060	24.054	24.176
22 6	45.4	3.110	24.304	24.380
22 6	47.5	3.200	24.509	24.547
22 6	49.6	3.220	24.574	24.600
22 7	51.7	3.240	24.631	24.647
22 7	53.8	3.260	24.737	24.733
22 7	55.9	3.280	24.756	24.748
22 7	58.0	3.270	24.975	24.925
22 7	60.1	3.320	24.070	25.003
22 7	62.2	3.320	24.111	25.036
22 8	64.3	3.320	24.137	25.057
22 8	66.4	3.330	24.262	25.159
22 8	68.5	3.340	24.388	25.261
22 8	70.6	3.360	24.494	25.347
22 8	72.7	3.400	24.564	25.405
22 9	74.8	3.370	24.573	25.411
22 9	76.9	3.390	24.576	25.414
22 9	79.0	3.390	24.647	25.471
22 9	81.1	3.380	24.547	25.471
22 9	83.2	3.400	24.666	25.487
22 9	85.3	3.400	24.568	25.489
22 9	87.4	3.400	24.576	25.495
22 10	89.5	3.380	24.677	25.496
22 10	91.6	3.390	24.577	25.496
22 10	93.7	3.380	24.581	25.490
22 10	95.8	3.400	24.713	25.525
22 10	97.9	3.400	24.713	25.525
22 10	100.0	3.400	24.715	25.527
22 11	102.1	3.380	24.733	25.541
22 11	104.2	3.400	24.738	25.545
22 11	106.3	3.400	24.738	25.545
22 11	108.4	3.390	24.742	25.548

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STATION NO. 6515 1 74 MONTH 8 DAY 13

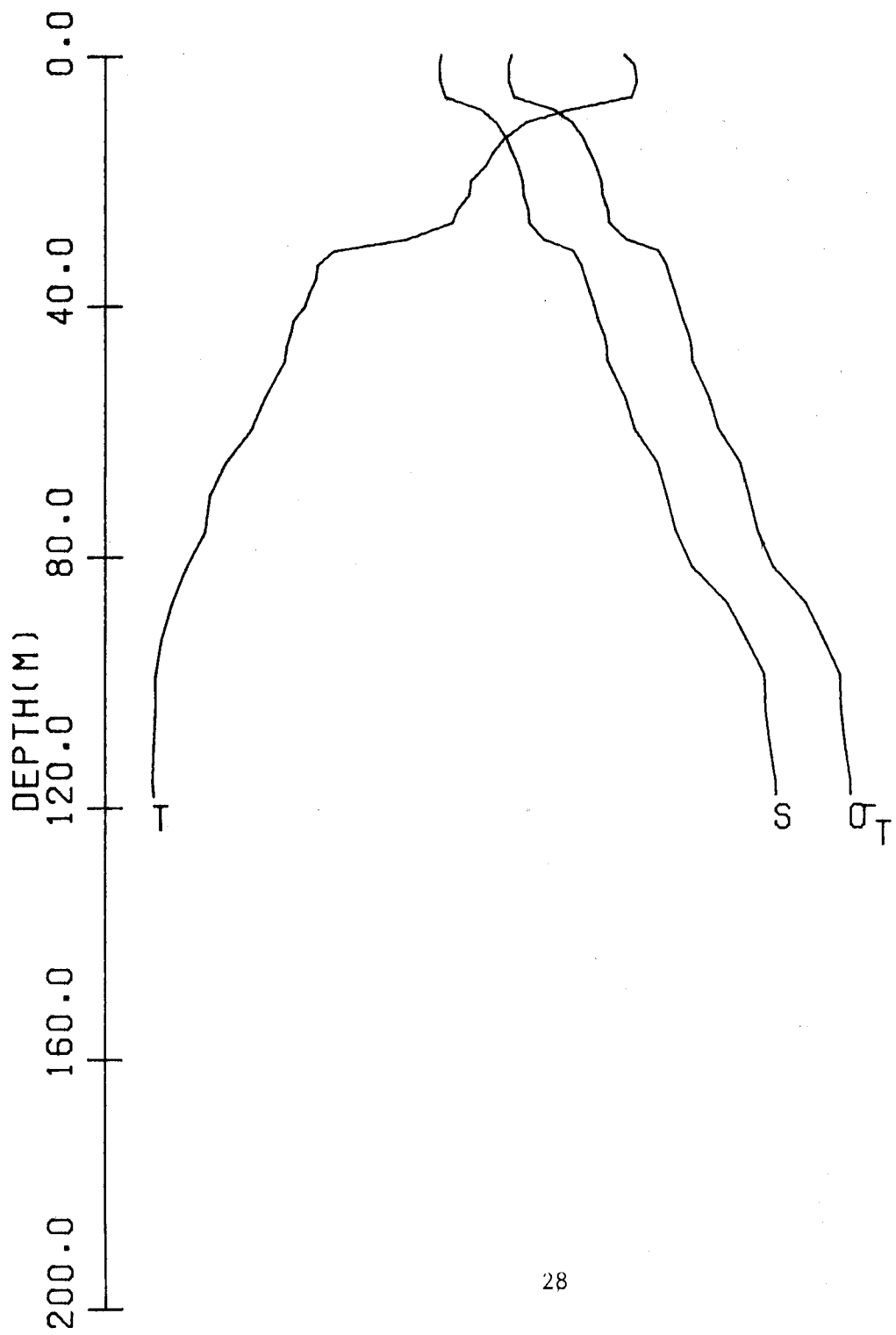
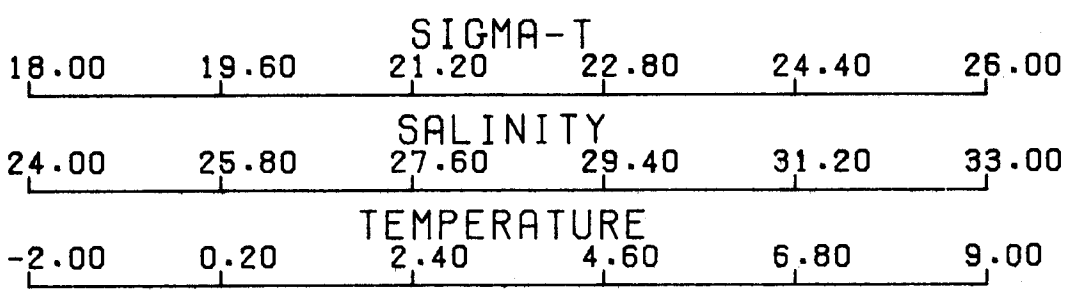


AREA SQUARE NUM 52076  
 DATE 8 MONTH 13 DAY  
 STATION NUM 651F VISIT NUM 1 CONSECUTIVE NUM 74  
 LATITUDE 55 DEGREES 18.00 MINUTES  
 LONGITUDE 79 DEGREES 52.00 MINUTES  
 SOUNDING 115.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-447  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 358 DEG  
 TEMP DRY 4.5 C TEMP WET 4.4 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT 1.2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
2328	0.0	4.200	26.564	21.104
2332	1.0	4.210	26.537	21.058
2332	2.0	4.210	26.907	21.058
2332	3.0	4.210	26.519	21.067
2332	4.0	4.220	26.526	21.072
2332	5.0	4.220	26.533	21.075
2332	6.0	4.220	26.545	21.087
2332	7.0	4.220	26.570	21.087
2332	9.0	3.530	26.706	21.266
2332	11.0	3.470	27.015	22.262
2333	13.0	1.920	28.009	22.513
2333	16.0	1.900	28.333	22.718
2333	17.0	1.900	28.422	22.802
2333	20.0	1.450	28.355	23.167
2333	24.0	1.010	29.015	23.418
2333	26.0	1.050	29.206	23.485
2333	27.0	1.150	29.213	23.474
2333	30.0	1.400	29.611	23.802
2333	32.0	1.420	29.758	23.921
2333	33.0	1.570	29.776	23.940
2333	36.0	1.590	29.786	23.948
2333	37.0	1.660	29.805	23.966
2333	39.0	1.720	29.853	24.006
2333	41.0	1.730	29.887	24.034
2334	43.0	1.790	29.960	24.094
2334	45.0	1.820	30.003	24.130
2334	46.0	1.860	30.027	24.150
2334	47.0	1.840	30.035	24.156
2334	51.0	1.840	30.062	24.178
2334	56.0	1.840	30.088	24.199
2334	60.0	1.790	30.093	24.201
2334	64.0	1.780	30.138	24.237
2335	69.0	1.810	30.138	24.238
2335	73.0	1.880	30.234	24.318
2335	77.0	1.960	30.312	24.382
2335	81.0	1.990	30.412	24.464
2335	85.0	-1.100	30.507	24.543
2335	89.0	-1.170	30.592	24.629
2336	93.0	-1.260	30.734	24.709
2336	97.0	-1.210	30.742	24.736
2336	101.0	-1.210	30.755	24.746
2336	104.0	-1.220	30.793	24.777
2336	108.0	-1.220	30.793	24.777
2336	111.0	-1.240	30.794	24.778
2337	112.0	-1.210	30.798	24.781

STATION NO. 6516 1 75 MONTH 8 DAY 14



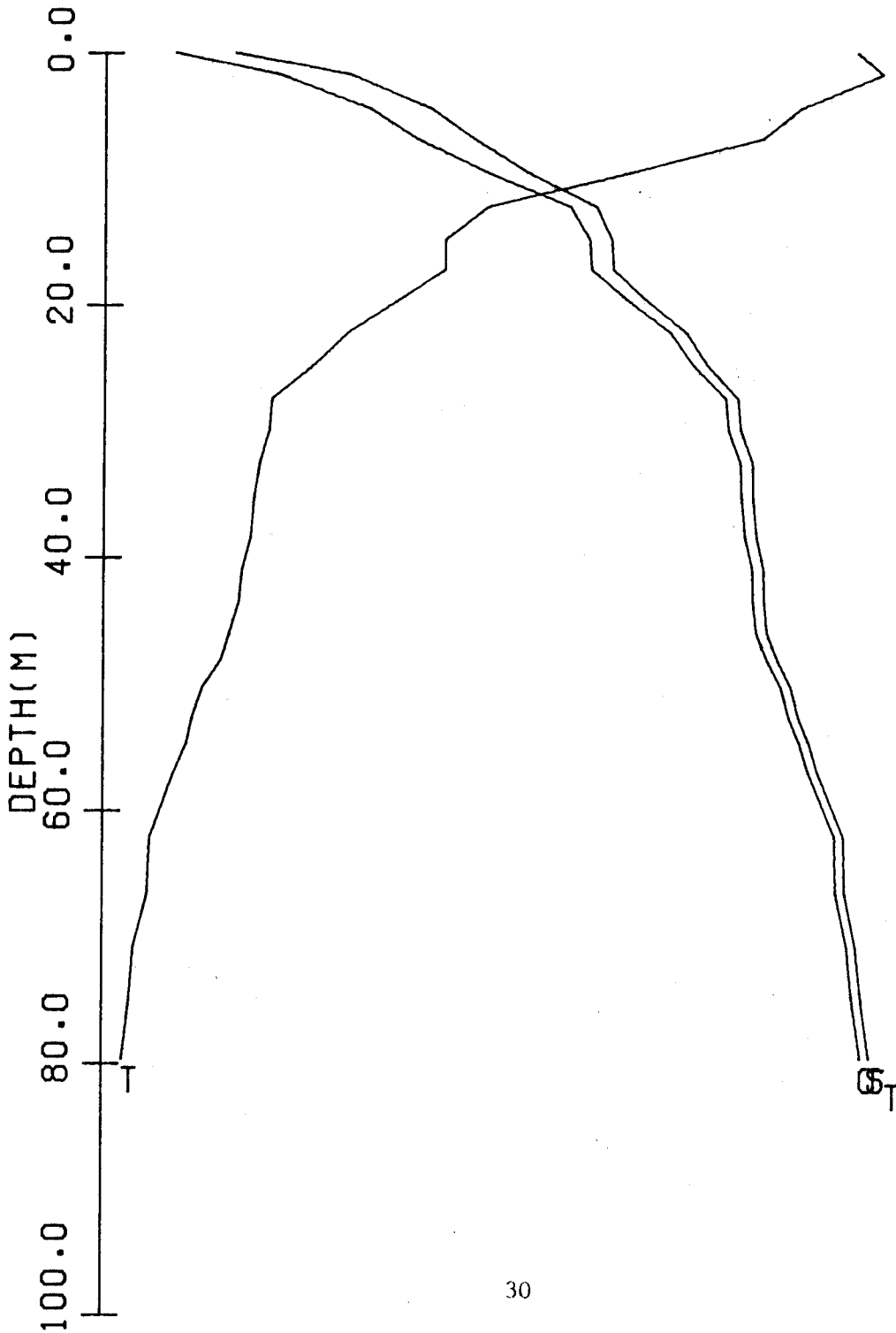
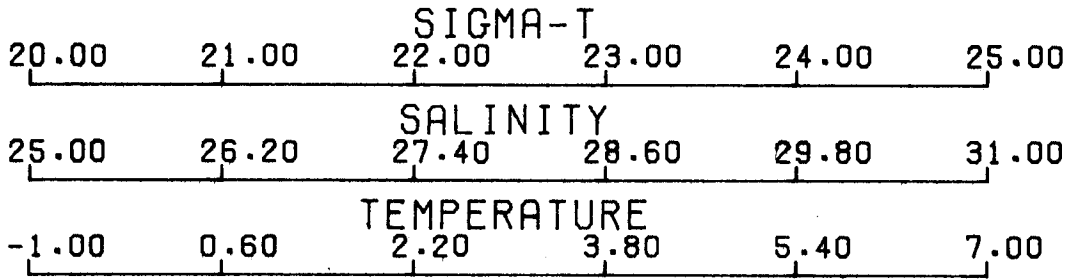
AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6516 VISIT NUM 1 CONSECUTIVE NUM 75  
 LATITUDE 53 DEGREES 26.00 MINUTES  
 LONGITUDE 79 DEGREES 54.00 MINUTES  
 SOUNDING 120.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-447  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 346 DEG  
 TEMP DRY 4.4 C TEMP WET 4.2 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT 1.3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 11.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
042	0.0	4.300	27.597	21.866
044	1.0	4.330	27.575	21.836
044	2.0	4.940	27.581	21.840
044	3.0	4.960	27.586	21.842
044	4.0	4.890	27.643	21.894
044	5.0	4.110	28.018	22.262
044	10.0	3.510	28.185	22.444
044	13.4	3.220	28.298	22.557
044	15.5	3.080	28.356	22.613
044	17.0	2.970	28.426	22.677
044	20.2	2.780	28.471	22.727
045	22.4	2.760	28.481	22.736
045	24.9	2.600	28.532	22.788
045	26.0	2.540	28.541	22.799
045	29.0	1.920	28.699	22.955
045	31.4	.980	29.015	23.269
045	33.7	.770	29.101	23.347
045	35.9	.750	29.147	23.385
045	38.0	.670	29.193	23.426
045	40.4	.600	29.244	23.470
045	42.4	.460	29.280	23.505
045	44.8	.420	29.345	23.558
045	46.6	.370	29.372	23.588
045	48.9	.350	29.381	23.590
045	49.2	.340	29.388	23.596
045	54.8	.090	29.572	23.754
046	59.0	-.090	29.674	23.842
046	65.4	-.430	29.820	24.052
046	70.4	-.630	30.014	24.133
046	76.1	-.890	30.114	24.216
046	81.9	-.940	30.289	24.363
047	87.5	-1.130	30.666	24.672
047	93.3	-1.260	30.869	24.839
047	99.1	-1.340	31.065	25.000
047	104.8	-1.340	31.077	25.000
047	110.4	-1.360	31.123	25.047
047	116.0	-1.380	31.184	25.097
048	118.2	-1.360	31.187	25.099

S

STATION NO. 6517 1 76 MONTH 8 DAY 14



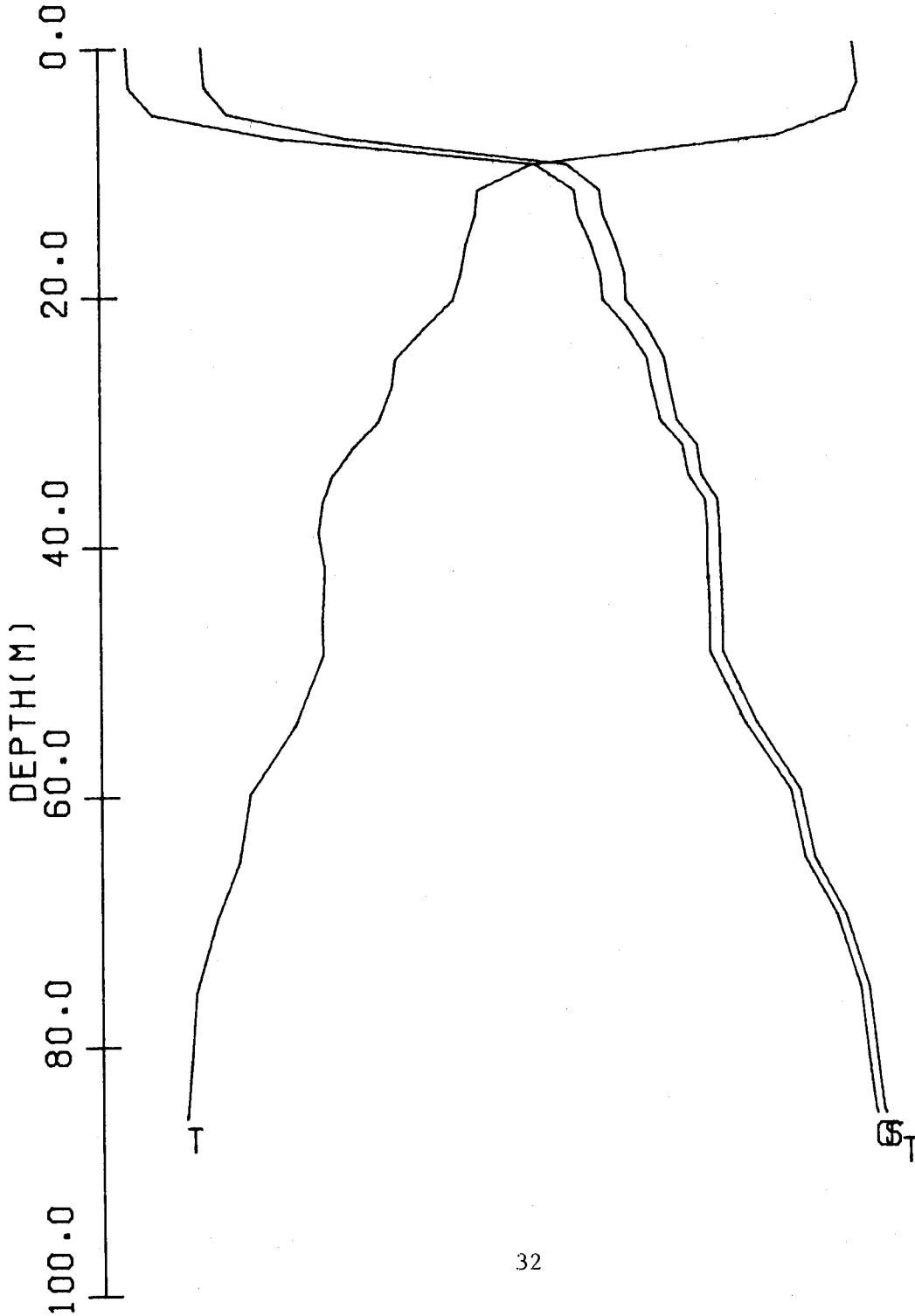
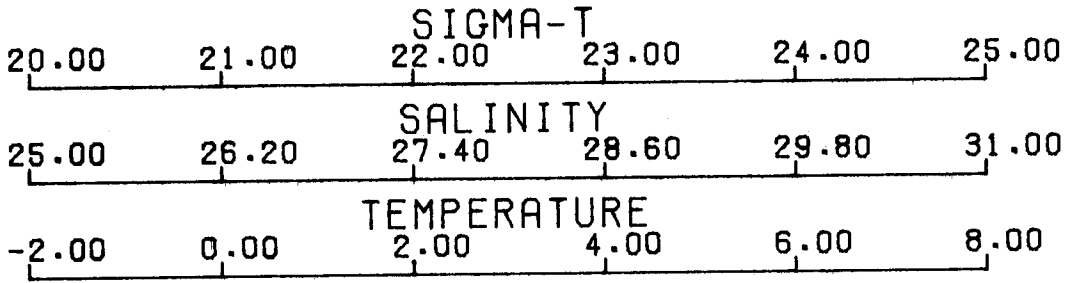
AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6517 VISIT NUM 1 CONSECUTIVE NUM 76  
 LATITUDE 55 DEGREES 33.50 MINUTES  
 LONGITUDE 79 DEGREES 44.50 MINUTES  
 SOUNDING 100.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 360 DEG  
 TEMP DEW 6.2 C TEMP WET 5.8 C  
 PRESSURE 1021.6 N BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
145	0.0	6.100	25.914	20.410
216	1.7	6.340	26.722	21.018
216	4.4	5.560	27.237	21.554
216	6.2	5.200	27.603	21.932
216	9.9	3.940	27.990	22.254
216	12.2	2.700	28.474	22.742
216	14.8	2.200	28.584	22.856
216	17.2	2.200	28.536	22.865
216	19.9	1.780	28.913	23.063
216	22.2	1.280	29.118	23.336
216	24.8	.960	29.263	23.472
216	27.4	.570	29.486	23.665
217	29.9	.550	29.504	23.681
217	32.2	.460	29.589	23.753
217	35.4	.410	29.594	23.759
217	38.4	.380	29.621	23.782
217	40.9	.300	29.670	23.824
217	43.5	.270	29.676	23.830
217	46.0	.180	29.699	23.852
217	48.2	.100	29.775	23.917
217	50.3	-.070	29.871	24.000
217	52.7	-.170	29.925	24.047
217	54.7	-.220	30.001	24.110
217	57.0	-.340	30.062	24.163
218	62.1	-.560	30.249	24.321
218	66.6	-.580	30.258	24.329
218	70.8	-.710	30.337	24.396
218	75.0	-.750	30.375	24.428
218	79.8	-.810	30.433	24.476

S

STATION NO. 6518 1 77 MONTH 8 DAY 14



AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6518 VISIT NUM 1 CONSECUTIVE NUM 77  
 LATITUDE 55 DEGREES 42.00 MINUTES  
 LONGITUDE 79 DEGREES 34.00 MINUTES  
 SOUNDING 95.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

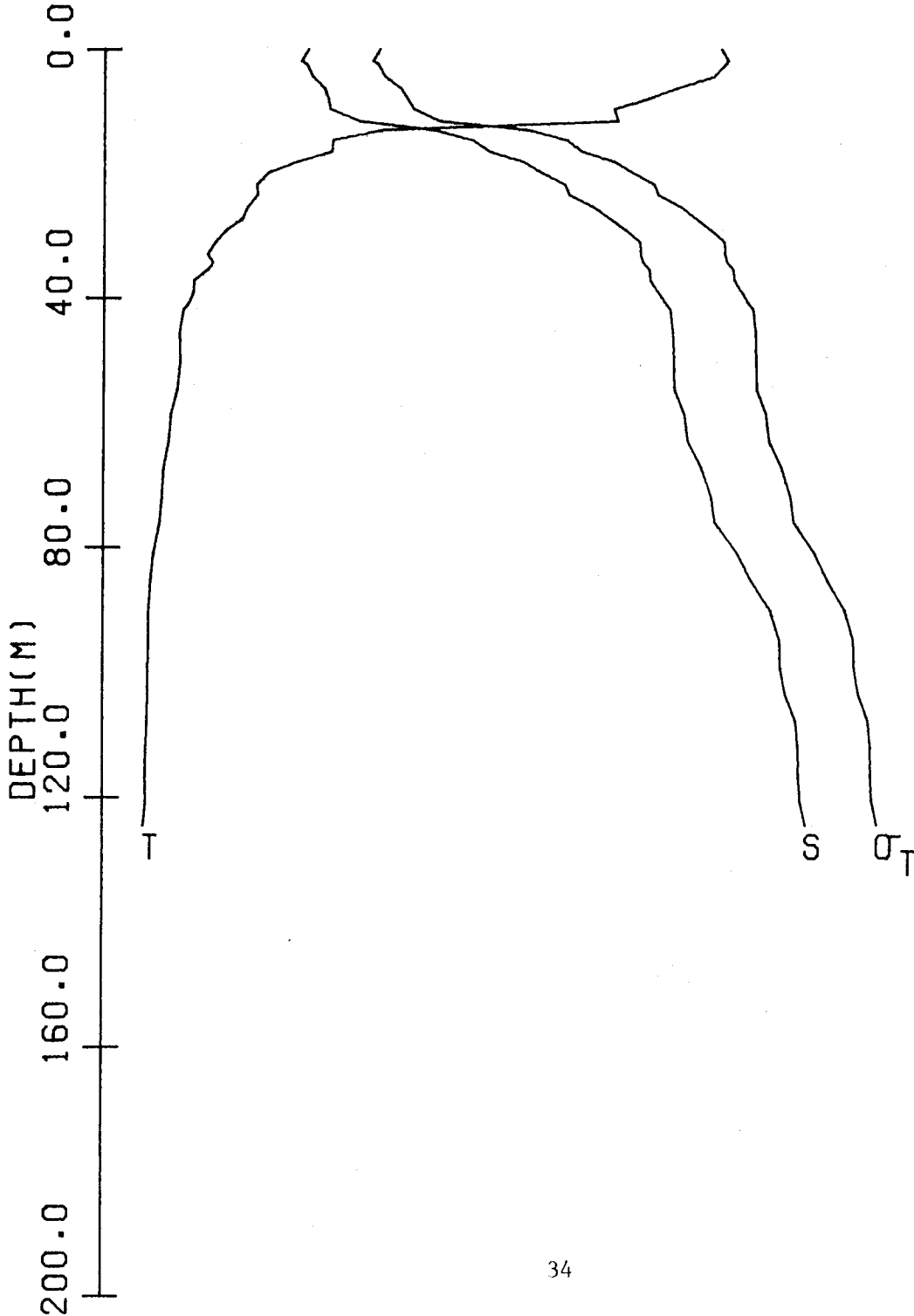
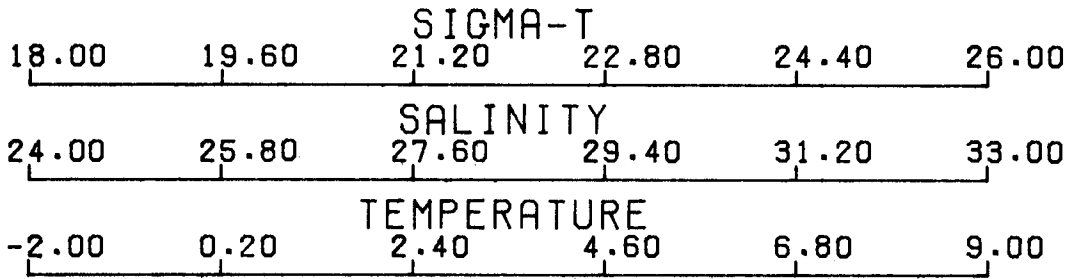
PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 360 DEG  
 TEMP DRY 6.1 C TEMP WET 5.8 C  
 PRESSURE 1021.3 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT .7 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
327	0.0	7.0000	25.728	20.164
329	3.2	7.0550	25.752	20.177
329	5.4	6.9100	25.914	20.320
329	7.4	6.0800	26.749	21.068
329	9.6	3.1400	27.344	22.599
330	11.7	2.5000	27.576	22.830
330	13.7	2.4700	27.602	22.852
330	16.0	2.3600	27.688	22.928
330	18.4	2.3000	27.753	22.984
330	20.5	2.2000	27.761	22.997
330	22.7	1.8660	27.315	23.141
330	25.2	1.5100	29.037	23.259
330	27.4	1.4700	29.073	23.290
330	30.2	1.3100	29.126	23.341
330	32.2	1.0100	29.271	23.472
330	34.6	.7500	29.298	23.506
330	35.6	.6400	29.414	23.604
330	39.1	.5900	29.428	23.618
330	41.9	.6600	29.433	23.619
330	43.0	.6500	29.442	23.626
331	46.3	.6300	29.447	23.631
331	48.0	.6400	29.449	23.633
331	54.7	.3400	29.690	23.840
331	59.9	-.2400	30.003	24.112
331	59.9	-.3700	30.101	24.196
331	59.9	-.6400	30.325	24.384
332	75.7	-.8900	30.487	24.522
332	81.7	-.9500	30.544	24.570
332	85.5	-1.0000	30.592	24.610
332	85.5	-1.0010	30.602	24.618

S



STATION NO. 6524 1 78 MONTH 8 DAY 14

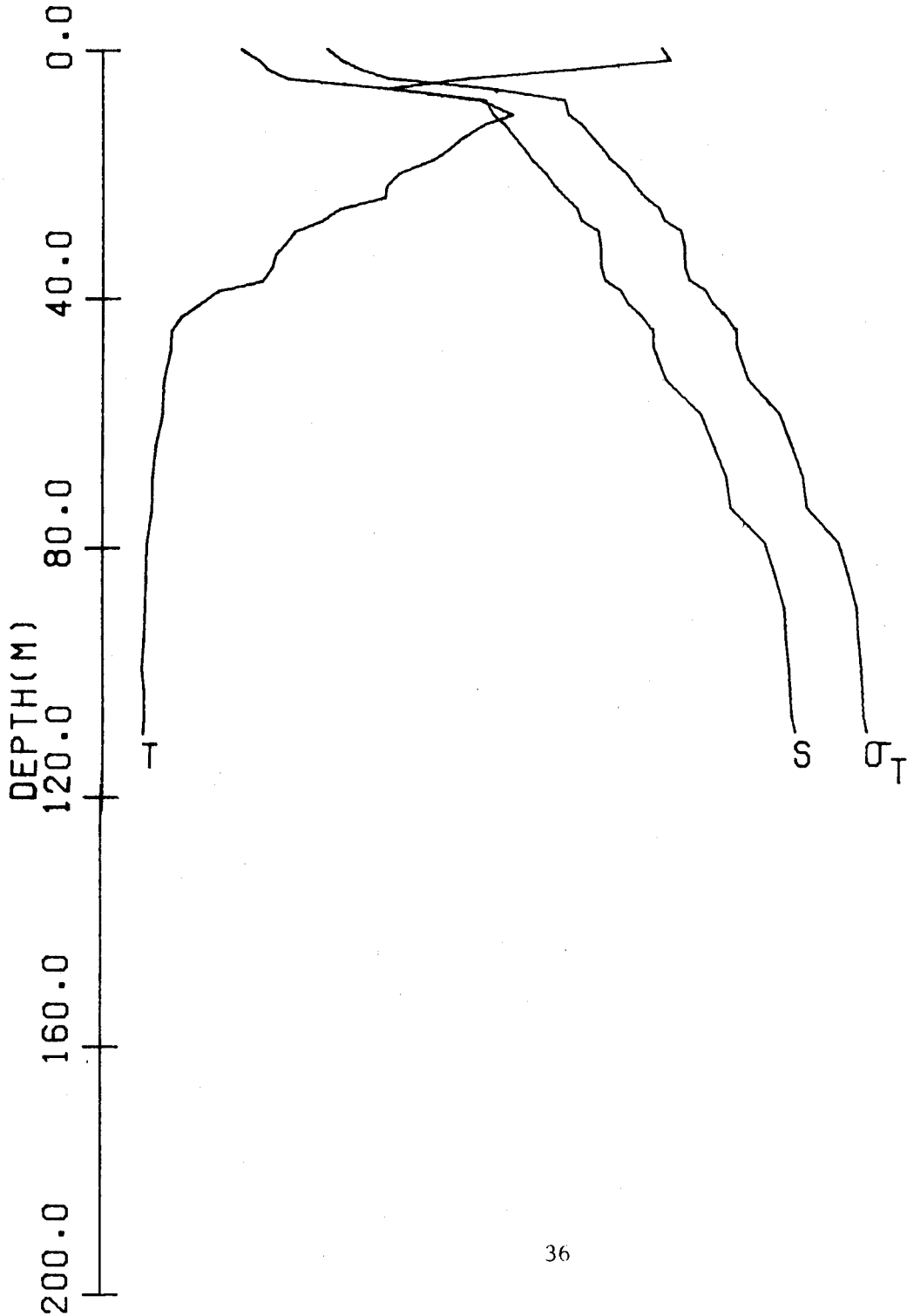
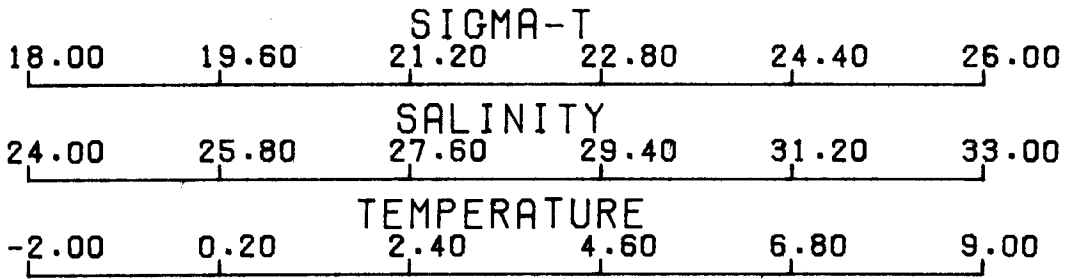


AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6524 VISIT NUM 1 CONSECUTIVE NUM 78  
 LATITUDE 55 DEGREES 19.00 MINUTES  
 LONGITUDE 79 DEGREES 36.00 MINUTES  
 SOUNDING 132.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 28 DEG  
 TEMP DRY 5.4 C TEMP WET 5.7 C  
 PRESSURE 1021.9 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
8 0	0.0	6.100	26.183	20.525
8 4	1.9	6.190	26.111	20.555
8 4	2.5	6.150	26.171	20.607
8 4	4.4	5.990	26.236	20.675
8 4	6.3	5.510	26.362	20.823
8 4	7.9	5.160	26.399	20.887
8 4	9.7	4.690	26.423	20.950
8 4	11.6	4.740	26.734	21.190
8 4	13.1	1.640	27.542	22.057
8 4	14.7	.990	27.959	22.423
8 4	16.6	.980	28.142	22.570
8 4	18.1	.550	28.494	22.870
8 4	19.9	.150	28.699	23.050
8 4	21.8	0.000	28.951	23.258
8 4	23.5	0.010	28.997	23.295
8 4	25.4	-.120	29.259	23.510
8 4	27.3	-.190	29.438	23.656
8 4	29.1	-.390	29.600	23.794
8 4	31.1	-.540	29.762	23.928
8 4	33.3	-.640	29.765	23.933
8 4	35.5	-.630	29.793	23.955
8 4	37.7	-.810	29.868	24.020
8 4	39.9	-.820	29.964	24.098
8 4	41.1	-.990	30.046	24.166
8 4	43.3	-.950	30.090	24.203
8 4	45.5	-1.000	30.118	24.227
8 6	50.0	-.990	30.126	24.233
8 6	54.7	-1.030	30.135	24.241
8 6	59.1	-1.110	30.241	24.329
8 6	63.3	-1.140	30.279	24.360
8 6	67.7	-1.210	30.426	24.480
8 6	72.0	-1.270	30.530	24.585
8 7	76.2	-1.260	30.573	24.600
8 7	81.0	-1.340	30.813	24.799
8 7	85.5	-1.380	30.969	24.923
8 7	90.0	-1.400	31.176	25.091
8 7	95.1	-1.400	31.276	25.172
8 7	99.9	-1.410	31.284	25.178
8 8	103.8	-1.410	31.340	25.224
8 8	107.9	-1.4420	31.451	25.314
8 8	112.3	-1.4430	31.478	25.336
8 8	115.9	-1.4440	31.482	25.339
8 8	120.7	-1.4430	31.498	25.352
8 8	124.5	-1.460	31.557	25.400

STATION NO. 6523 1 79 MONTH 8 DAY 14



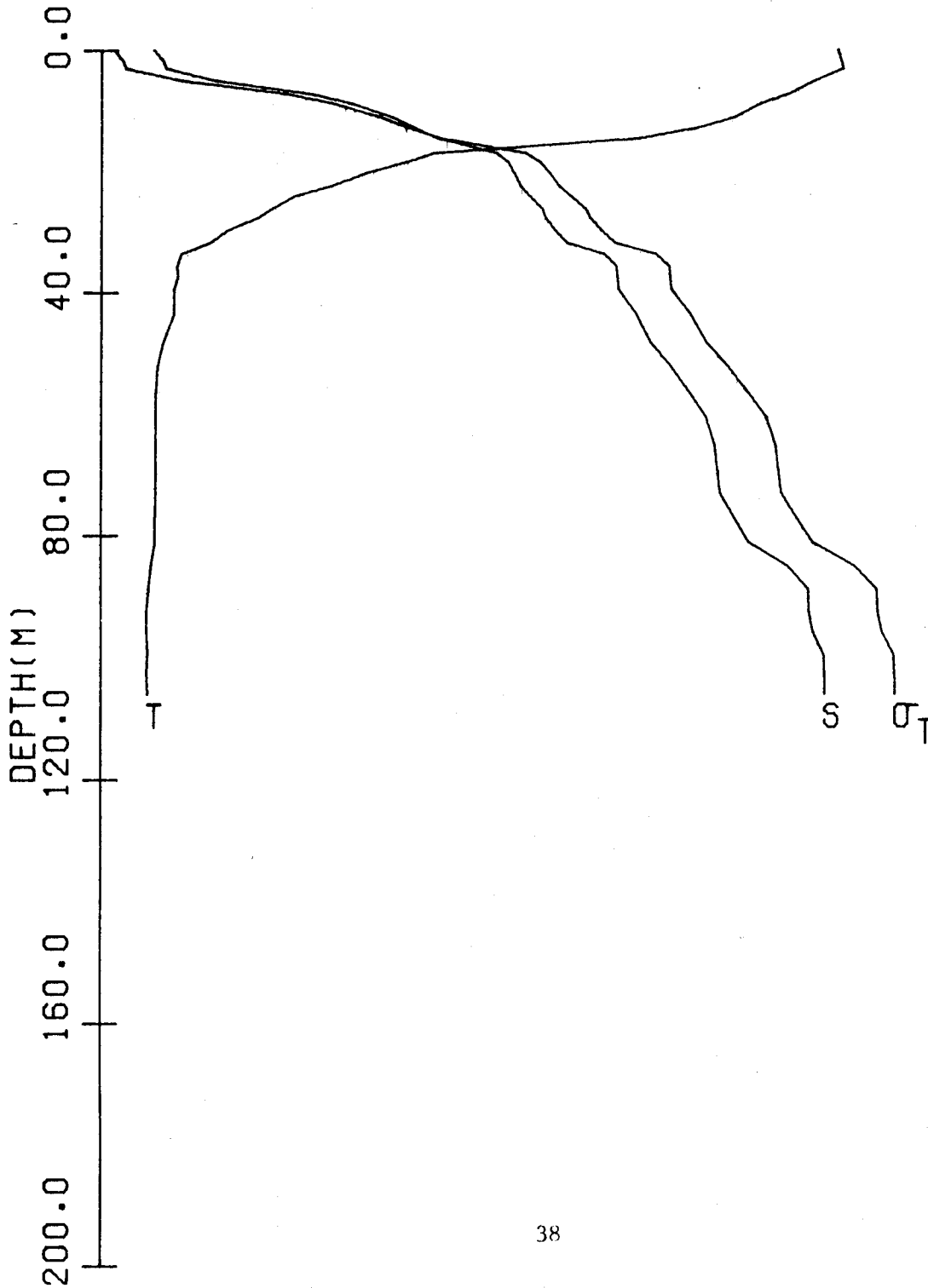
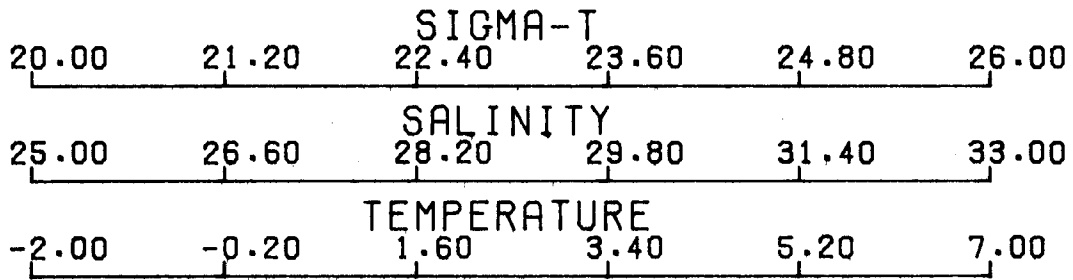
AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6523 VISIT NUM 1 CONSECUTIVE NUM 79  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 79 DEGREES 31.00 MINUTES  
 SOUNDING 115.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 45 DEG  
 TEMP OF 5.5 C TEMP WET 5.0 C  
 PRESSURE 1022.2 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
912	0.0	5.400	25.504	20.150
914	1.9	5.510	25.701	20.303
914	3.3	4.320	25.782	20.475
914	4.8	2.860	25.998	20.755
914	6.4	1.770	27.116	21.710
914	8.7	2.990	28.144	22.451
914	10.7	3.430	28.229	22.485
914	12.2	3.060	28.350	22.610
914	14.5	2.750	28.469	22.727
914	16.3	2.580	28.568	22.816
914	17.9	2.380	28.642	22.890
914	20.1	1.920	28.796	23.042
915	22.1	1.760	28.888	23.125
915	24.0	1.740	29.007	23.222
915	25.8	1.130	29.135	23.357
915	27.7	.890	29.182	23.487
915	29.4	.840	29.362	23.567
915	31.7	.410	29.388	23.593
915	33.1	.290	29.391	23.601
915	35.3	.240	29.394	23.605
915	37.5	.110	29.440	23.647
915	39.0	-.470	29.605	23.790
915	41.1	-.720	29.692	23.876
915	43.1	-.950	29.831	23.994
915	45.2	-1.070	29.935	24.081
915	45.3	-1.080	29.959	24.100
916	48.2	-1.090	29.963	24.104
916	53.4	-1.180	30.099	24.215
916	58.9	-1.200	30.478	24.522
916	63.7	-1.290	30.611	24.631
916	68.9	-1.330	30.751	24.745
916	73.9	-1.340	30.802	24.787
917	79.6	-1.410	31.178	25.092
917	84.8	-1.420	31.288	25.182
917	90.1	-1.430	31.384	25.260
917	95.0	-1.450	31.405	25.277
917	99.3	-1.480	31.434	25.301
917	103.1	-1.450	31.450	25.313
918	107.3	-1.450	31.468	25.328
918	109.9	-1.460	31.507	25.360

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STATION NO. 6522 1 80 MONTH 8 DAY 14

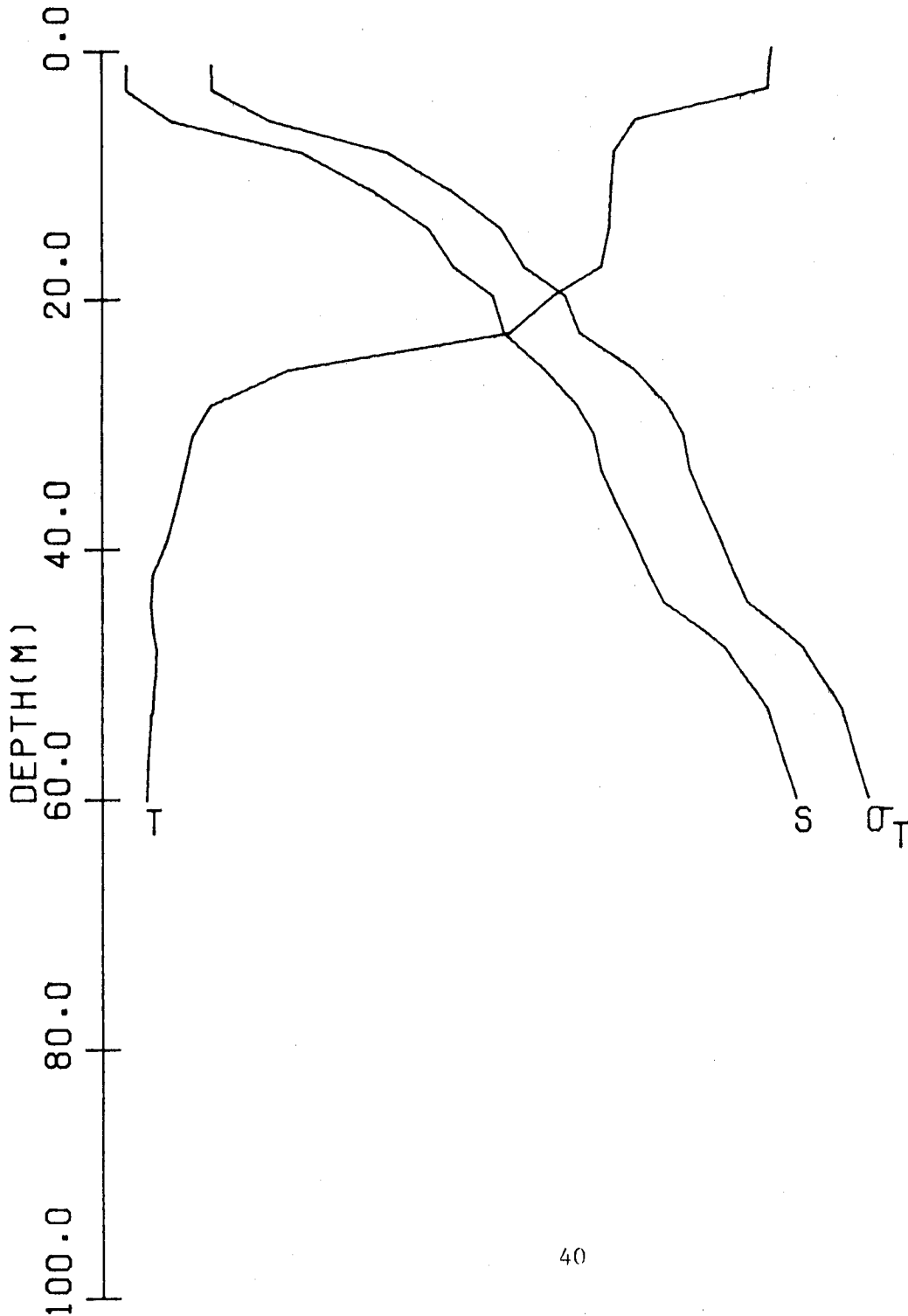
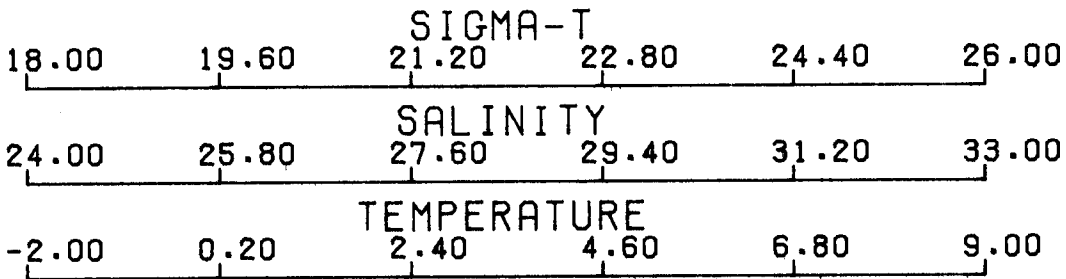


AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6522 VISIT NUM 1 CONSECUTIVE NUM 80  
 LATITUDE 55 DEGREES 3.00 MINUTES  
 LONGITUDE 79 DEGREES 28.00 MINUTES  
 SOUNDING 110.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 70 DEG  
 TEMP DRY 7.0 C TEMP WET 6.8 C  
 PRESSURE 1022.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	
1016	0.0	6.100	25.511	20.093	S
1018	1.8	6.140	25.597	20.157	
1018	3.1	6.160	25.628	20.170	
1018	5.1	5.840	26.105	20.587	
1018	7.3	5.550	27.042	21.355	
1018	8.9	5.250	27.429	21.690	
1018	11.2	4.960	27.837	22.040	
1018	12.9	4.550	28.048	22.246	
1018	14.7	3.980	28.288	22.495	
1018	17.1	1.650	28.359	23.109	
1018	18.6	1.340	28.370	23.214	
1018	20.4	.900	29.027	23.282	
1018	22.6	.510	29.091	23.351	
1018	24.2	.110	29.179	23.437	
1018	26.3	-.140	29.305	23.547	
1019	27.7	-.290	29.337	23.578	
1019	29.8	-.620	29.429	23.662	
1019	31.9	-.820	29.551	23.765	
1019	33.7	-1.130	29.914	24.065	
1019	35.7	-1.170	30.034	24.163	
1019	37.5	-1.160	30.043	24.170	
1019	39.5	-1.200	30.052	24.178	
1020	43.5	-1.200	30.226	24.318	
1020	48.3	-1.320	30.373	24.440	
1020	52.1	-1.380	30.564	24.595	
1020	56.0	-1.400	30.756	24.751	
1020	60.5	-1.400	30.915	24.880	
1020	65.1	-1.400	31.001	24.949	
1021	69.3	-1.400	31.027	24.970	
1021	73.1	-1.400	31.054	24.992	
1021	77.2	-1.410	31.194	25.105	
1021	81.2	-1.410	31.338	25.222	
1021	85.1	-1.450	31.717	25.529	
1021	88.9	-1.480	31.921	25.695	
1022	92.5	-1.500	31.930	25.703	
1022	96.0	-1.500	31.969	25.735	
1022	99.6	-1.490	32.075	25.820	
1022	102.9	-1.500	32.083	25.827	
1022	106.1	-1.490	32.086	25.829	

STATION NO. 6521 1 81 MONTH 8 DAY 14



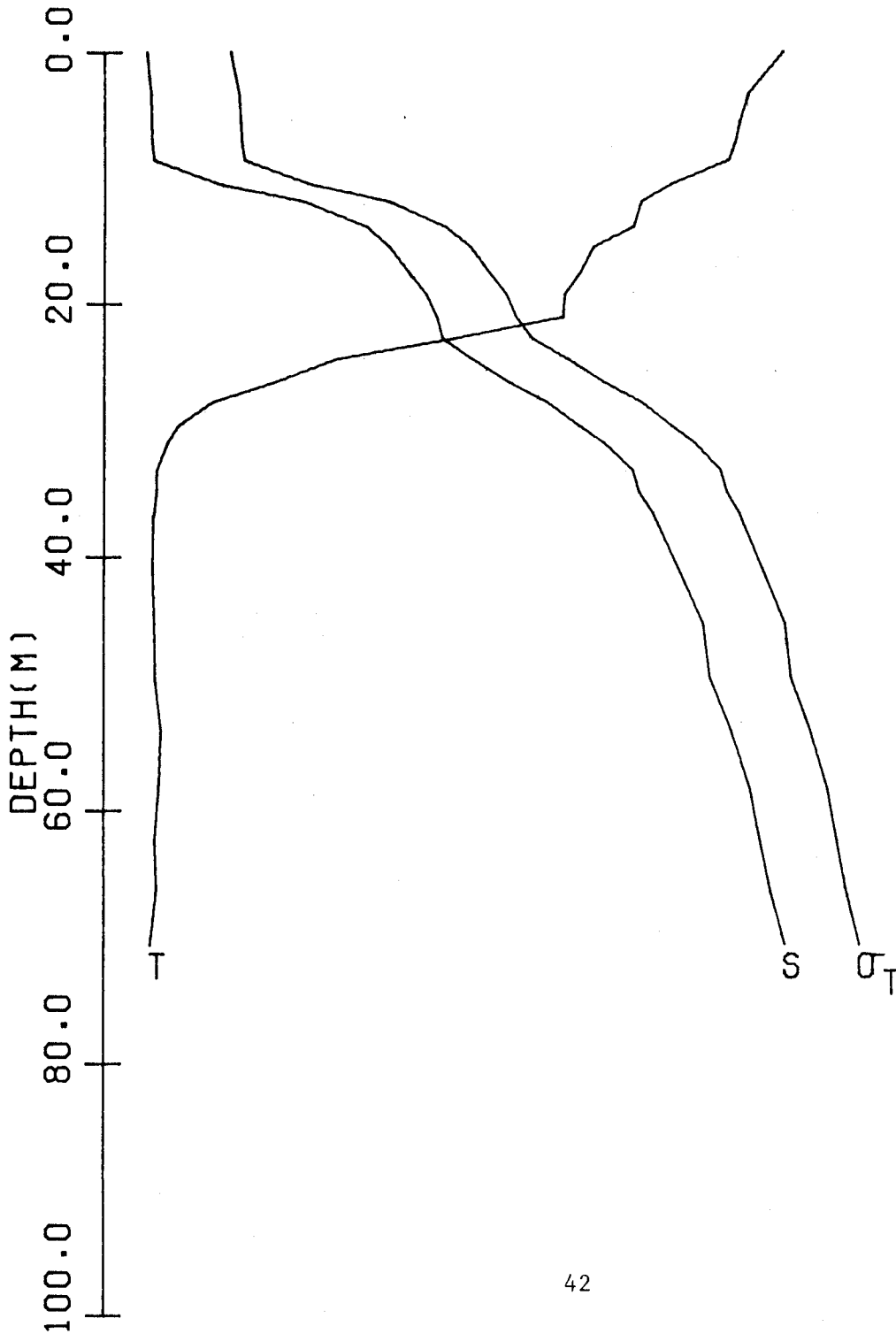
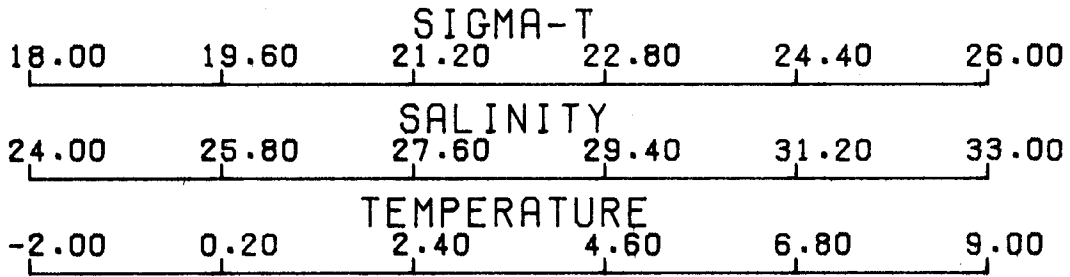
AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6521 VISIT NUM 1 CONSECUTIVE NUM 81  
 LATITUDE 54 DEGREES 55.00 MINUTES  
 LONGITUDE 79 DEGREES 24.00 MINUTES  
 SOUNDING 73.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 65 DEG  
 TEMP DRY 7.6 C TEMP WET 7.2 C  
 PRESSURE 1023.0 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1228	0.0	6.800		"
1231	1.2	6.770	24.263	19.042
1231	3.2	5.750	24.265	19.046
1231	5.7	5.000	24.742	19.595
1231	8.3	4.720	26.140	20.723
1231	11.4	4.680	26.903	21.329
1231	14.4	4.660	27.503	21.805
1231	17.6	4.550	27.777	22.032
1231	19.9	3.920	28.201	22.423
1232	22.9	3.350	28.319	22.563
1232	25.8	.430	28.753	23.083
1232	28.6	.580	29.093	23.390
1232	31.0	.810	29.284	23.549
1232	33.9	.820	29.361	23.695
1232	36.3	-1.010	29.506	23.733
1232	39.4	-1.150	29.713	23.903
1232	42.1	-1.340	29.872	24.035
1232	44.5	-1.360	30.036	24.168
1232	46.7	-1.330	30.457	24.508
1232	48.1	-1.290	30.692	24.697
1232	50.1	-1.300	30.826	24.846
1232	51.7	-1.330	31.039	24.978
1232	53.1	-1.340	31.164	25.080
1233	53.3	-1.360	31.171	25.086
1233	57.1	-1.400	31.328	25.214
1233	60.1	-1.420	31.464	25.324



STATION NO. 6532 1 82 MONTH 8 DAY 14



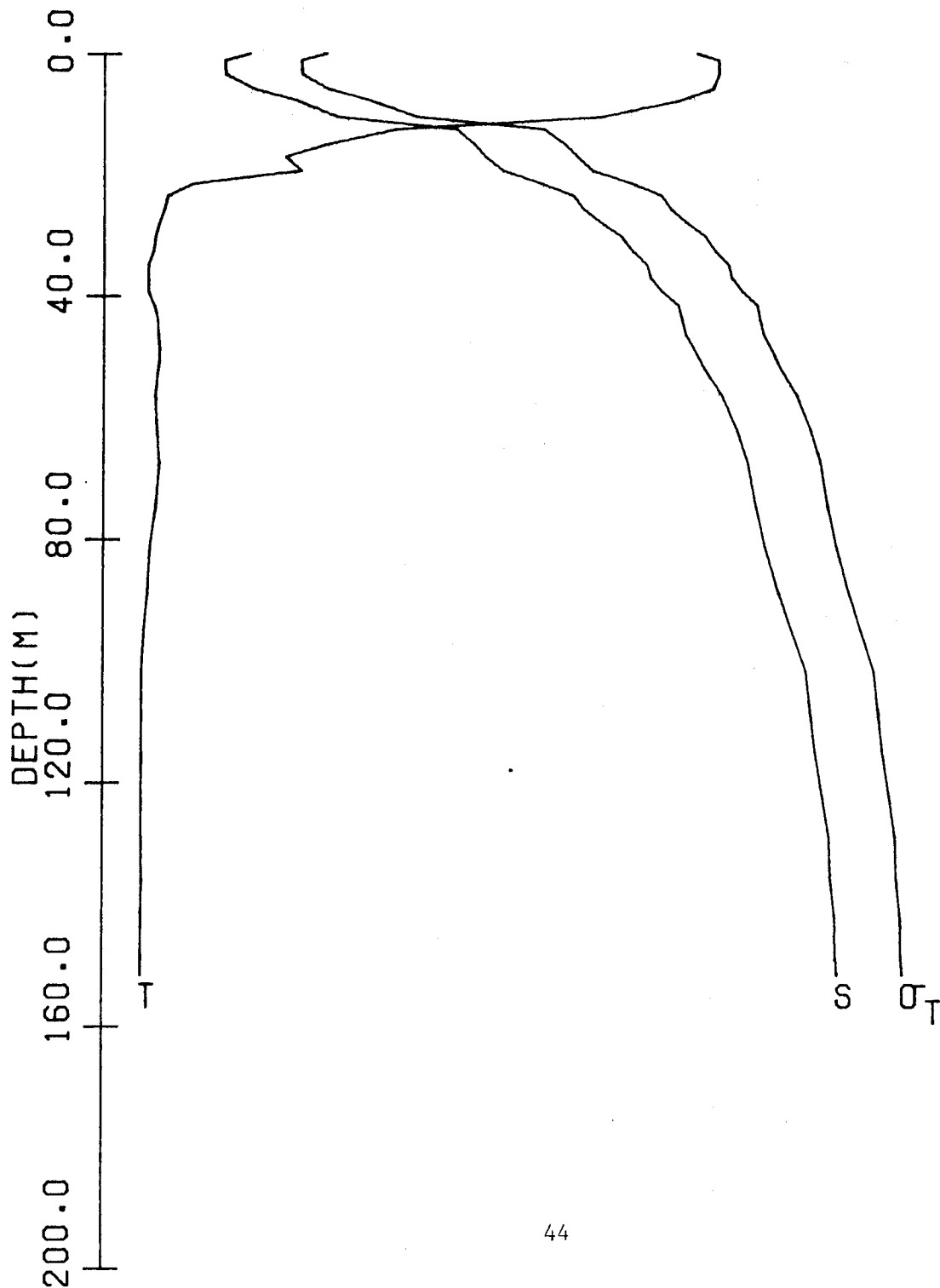
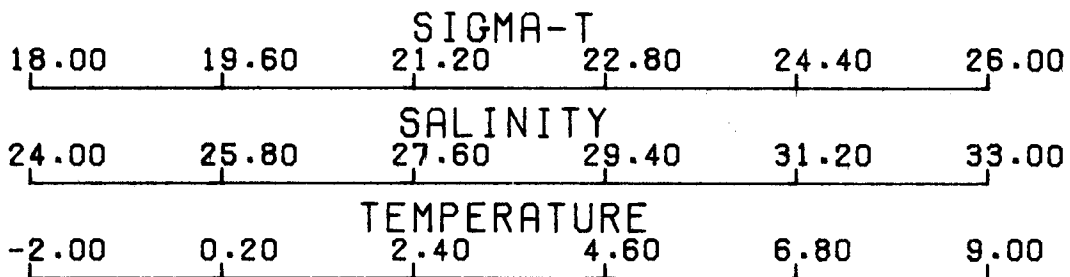
ARFA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6532 VISIT NUM 1 CONSECUTIVE NUM 82  
 LATITUDE 54 DEGREES 59.50 MINUTES  
 LONGITUDE 78 DEGREES 59.50 MINUTES  
 SOUNDING 86.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILLOLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 55 DEG  
 TEMP DRY 7.9 C TEMP WET 7.7 C  
 PRESSURE 1023.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1420	0.0	6.800	24.453	19.188
1422	1.9	6.540	24.472	19.231
1422	3.4	6.350	24.494	19.269
1422	5.6	6.240	24.498	19.283
1422	7.0	6.190	24.502	19.292
1422	8.0	6.100	24.522	19.317
1423	10.5	5.350	25.216	19.937
1423	11.9	4.960	26.111	20.679
1423	13.9	4.860	26.781	21.216
1423	15.5	4.340	27.021	21.453
1423	17.6	4.170	27.234	21.636
1423	19.3	3.970	27.413	21.795
1423	21.1	3.950	27.528	21.887
1423	22.8	2.530	27.587	22.040
1423	24.4	1.020	27.900	22.374
1423	26.3	.190	28.298	22.727
1423	27.8	-.590	28.691	23.066
1423	29.7	-1.040	29.035	23.353
1423	31.5	-1.180	29.300	23.570
1423	33.2	-1.320	29.610	23.823
1423	35.0	-1.320	29.681	23.880
1424	36.6	-1.350	29.827	23.999
1424	36.8	-1.360	29.937	24.007
1424	40.9	-1.370	30.092	24.213
1424	45.3	-1.350	30.362	24.431
1424	49.6	-1.340	30.436	24.491
1424	53.7	-1.260	30.658	24.669
1425	58.3	-1.290	30.861	24.834
1425	62.4	-1.340	30.969	24.922
1425	66.3	-1.320	31.078	25.010
1425	70.6	-1.400	31.232	25.136

S

STATION NO. 6533 1 83 MONTH 8 DAY 14



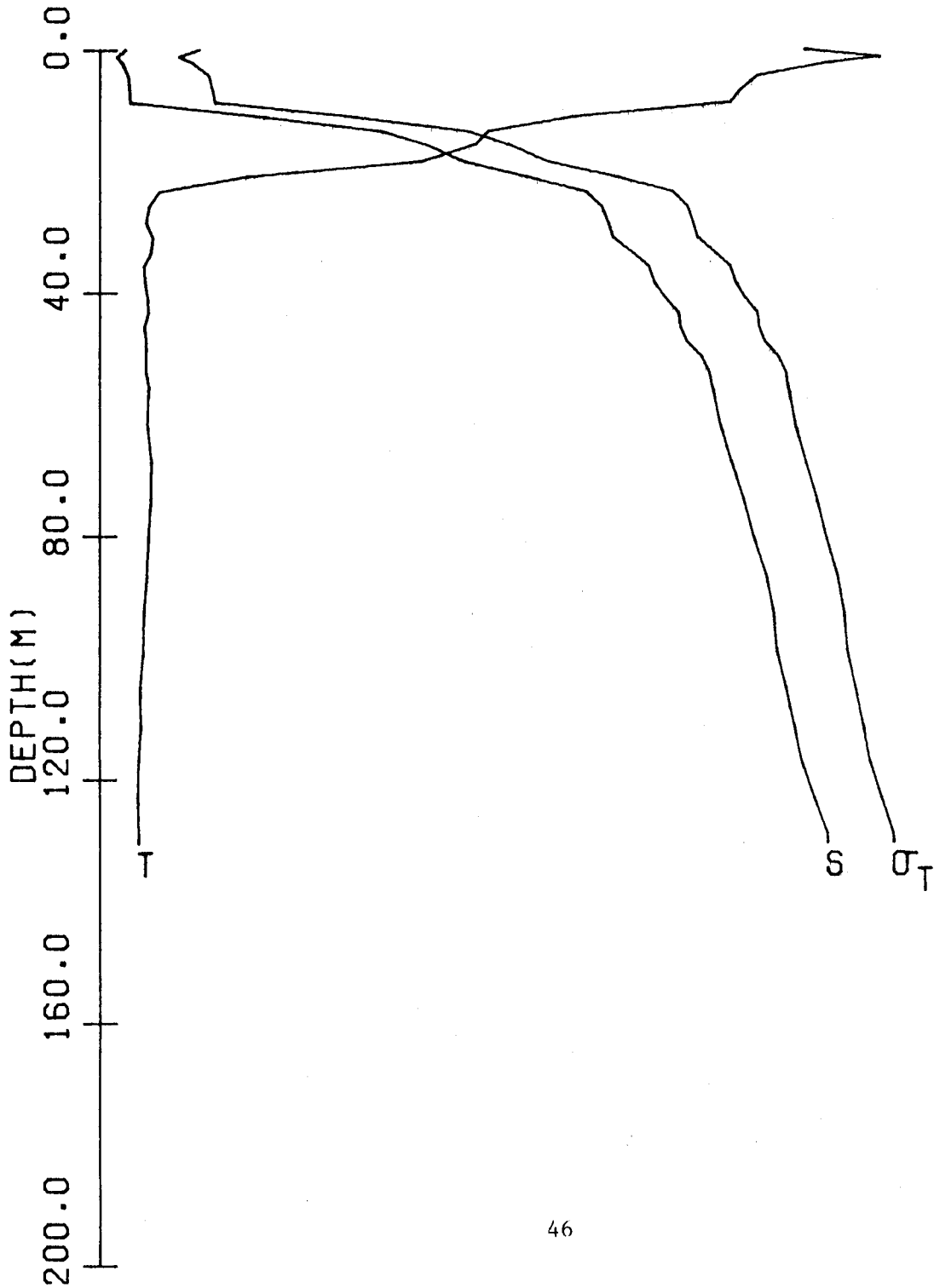
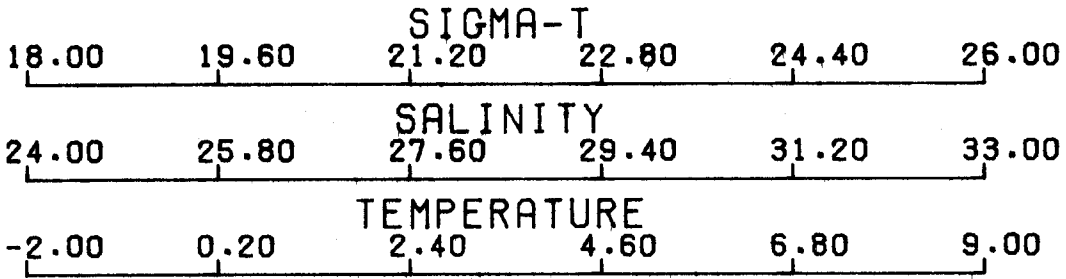
AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6533 VISIT NUM 1 CONSECUTIVE NUM 83  
 LATITUDE 55 DEGREES 4.00 MINUTES  
 LONGITUDE 79 DEGREES 5.00 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS  
 TEMP DRY 8.2 C  
 PRESSURE 1023.3 M BAR  
 SWELL HEIGHT .6 M  
 SFOCHI DISC 12.5 M  
 WIND DIR 55 DEG  
 TEMP WET 8.2 C  
 WAVE HEIGHT .2 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1715	0.0	6.000	25.603	20.176
1724	1.1	6.290	25.327	19.929
1724	3.4	6.290	25.334	19.934
1724	5.9	5.210	25.558	20.197
1724	7.8	5.750	26.128	20.615
1725	10.5	4.700	26.572	21.066
1725	12.5	1.950	27.890	22.318
1725	15.0	1.000	28.085	22.523
1725	17.1	.440	28.211	22.648
1725	19.4	.650	28.405	22.794
1725	21.5	-1.790	28.828	23.181
1725	23.5	-1.140	29.179	23.471
1725	25.8	-1.190	29.297	23.568
1725	28.2	-1.260	29.511	23.742
1725	30.2	-1.300	29.709	23.902
1725	32.7	-1.330	29.939	24.008
1725	34.9	-1.400	29.995	24.135
1725	37.1	-1.400	30.037	24.169
1725	39.4	-1.400	30.168	24.275
1725	41.6	-1.320	30.348	24.419
1726	43.8	-1.270	30.383	24.447
1726	46.4	-1.260	30.430	24.485
1726	48.3	-1.250	30.506	24.546
1726	50.7	-1.250	30.592	24.615
1726	51.5	-1.260	30.616	24.635
1726	56.3	-1.300	30.829	24.808
1726	61.9	-1.280	30.995	24.942
1726	67.3	-1.250	31.121	25.043
1727	74.0	-1.290	31.204	25.111
1727	81.1	-1.370	31.312	25.200
1727	88.4	-1.400	31.456	25.317
1727	95.0	-1.450	31.608	25.441
1727	101.7	-1.480	31.767	25.571
1727	108.5	-1.480	31.822	25.615
1728	115.5	-1.480	31.877	25.660
1728	122.6	-1.480	31.961	25.728
1728	129.0	-1.480	32.031	25.784
1728	135.7	-1.470	32.047	25.797
1728	142.1	-1.450	32.038	25.836
1728	148.3	-1.480	32.104	25.843
1729	151.5	-1.480	32.121	25.857

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STATION NO. 6534 1 84 MONTH 8 DAY 14



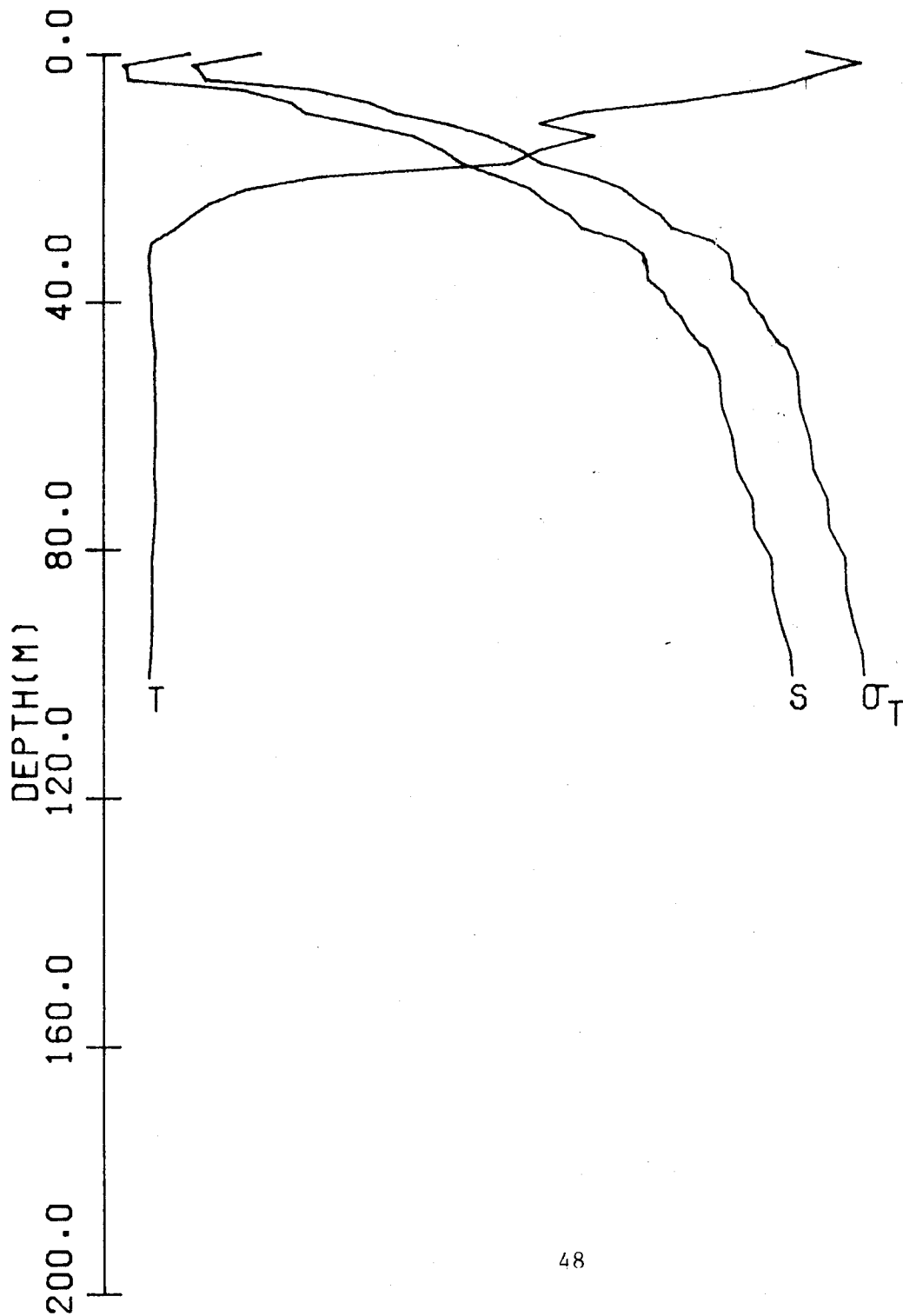
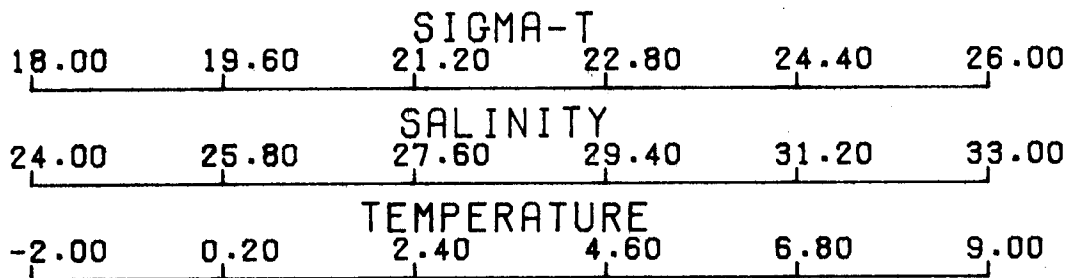
AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6534 VISIT NUM 1 CONSECUTIVE NUM 84  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 79 DEGREES 10.50 MINUTES  
 SOUNDING 137.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 40 DEG  
 TEMP DRY 9.6 C TEMP WET 9.3 C  
 PRESSURE 1024.2 H BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1810	0.0	7.500	24.281	18.973
1814	1.2	8.510	24.185	18.772
1814	2.1	7.860	24.238	18.896
1814	4.3	6.860	24.311	19.070
1814	6.7	6.620	24.322	19.105
1814	8.7	6.490	24.330	19.125
1814	11.1	4.380	25.736	20.450
1814	13.5	3.220	27.093	21.600
1814	15.7	3.050	27.591	22.008
1814	18.5	2.320	28.006	22.388
1814	20.9	0.000	28.696	23.045
1814	23.4	-1.200	29.352	23.612
1814	25.9	-1.340	29.533	23.761
1814	28.5	-1.380	29.599	23.815
1814	30.9	-1.290	29.654	23.858
1814	33.7	-1.320	29.885	24.045
1815	35.7	-1.410	30.048	24.178
1815	38.7	-1.390	30.113	24.231
1815	40.9	-1.360	30.229	24.324
1815	43.4	-1.350	30.378	24.444
1815	45.8	-1.400	30.399	24.462
1815	48.3	-1.380	30.477	24.525
1815	50.7	-1.380	30.637	24.654
1815	53.2	-1.380	30.724	24.725
1815	55.7	-1.340	30.754	24.748
1815	56.3	-1.350	30.764	24.756
1815	61.9	-1.360	30.844	24.821
1816	67.8	-1.310	30.964	24.917
1816	74.1	-1.320	31.103	25.030
1816	80.4	-1.350	31.217	25.123
1816	86.5	-1.370	31.352	25.232
1816	92.6	-1.410	31.434	25.300
1816	99.0	-1.420	31.471	25.330
1817	105.0	-1.460	31.559	25.410
1817	111.1	-1.450	31.637	25.481
1817	117.1	-1.480	31.744	25.552
1817	123.1	-1.490	31.883	25.665
1817	129.1	-1.480	32.031	25.784
1817	130.6	-1.480	32.035	25.787

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STATION NO. 6535 1 85 MONTH 8 DAY 14



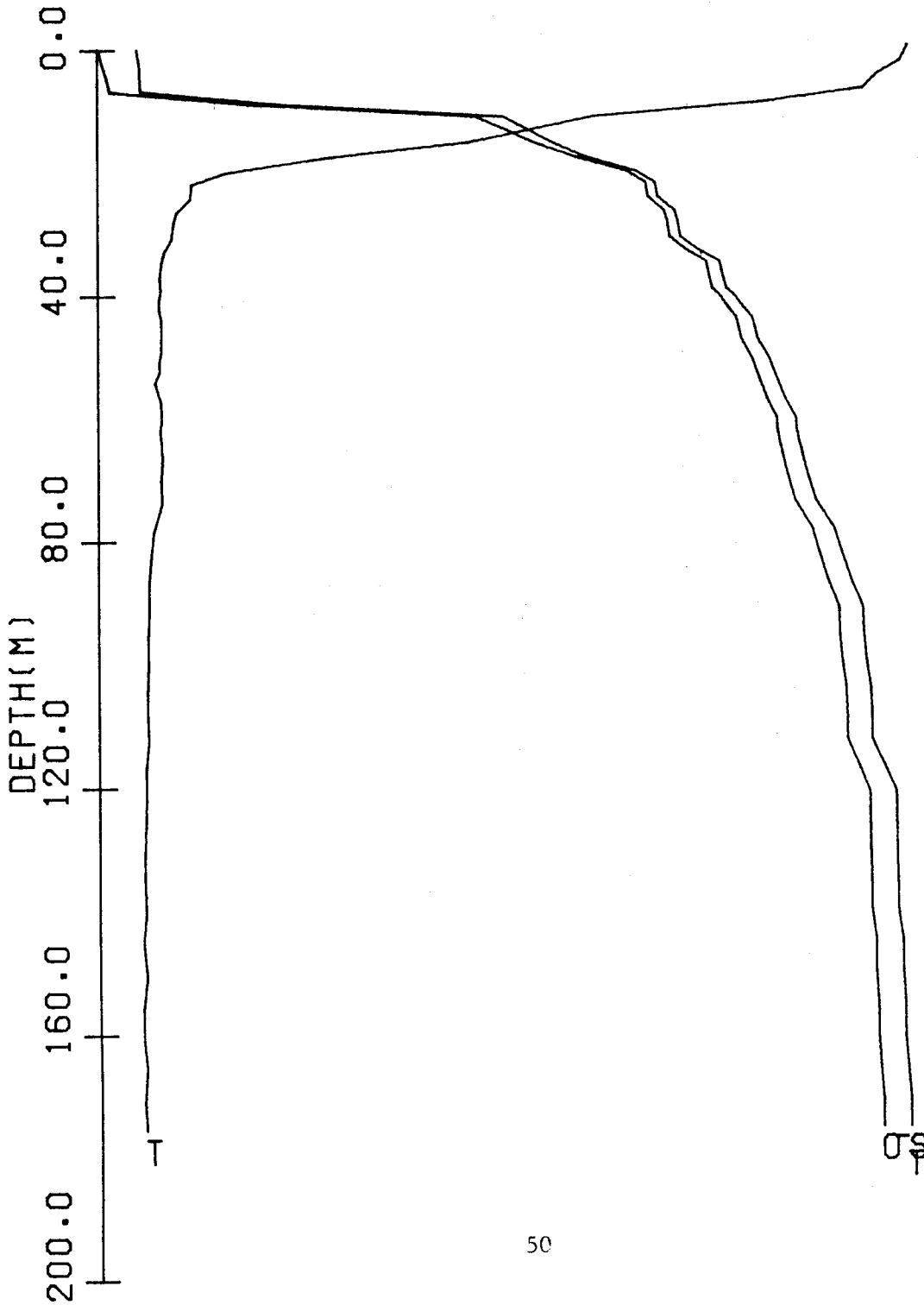
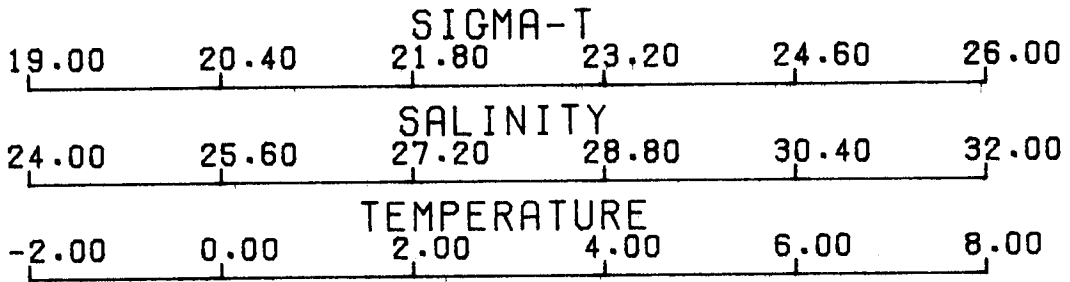
AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6535 VISIT NUM 1 CONSECUTIVE NUM 85  
 LATITUDE 55 DEGREES 14.90 MINUTES  
 LONGITUDE 79 DEGREES 15.50 MINUTES  
 SOUNDING 109.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 50 DEG  
 TEMP DRIFT 10.1 C TEMP WET 10.1 C  
 PRESSURE 1024.2 M BAR WAVE HEIGHT .1 M  
 SWELL HEIGHT .4 M SWELL DIR M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1910	0.0	7.300	24.334	19.507
1912	1.3	8.020	24.205	18.850
1912	2.3	7.860	24.250	18.905
1912	4.2	7.310	24.266	18.983
1912	5.9	6.830	25.493	19.999
1912	8.0	5.620	26.027	20.549
1912	9.7	4.320	26.182	20.791
1912	11.5	3.750	26.756	21.300
1912	13.5	4.490	27.352	21.701
1912	15.7	3.770	27.658	22.005
1912	17.9	3.370	27.873	22.208
1912	19.9	.870	28.254	22.664
1913	21.9	-1.120	28.603	22.982
1913	24.3	-1.620	29.806	23.139
1913	26.2	-1.850	29.040	23.353
1913	28.3	-1.070	29.166	23.460
1913	30.5	-1.370	29.647	23.854
1913	32.6	-1.400	29.836	24.007
1913	34.7	-1.400	29.878	24.041
1913	36.8	-1.380	29.887	24.048
1913	38.9	-1.380	30.059	24.187
1913	40.7	-1.370	30.107	24.225
1913	42.9	-1.370	30.251	24.342
1913	44.9	-1.350	30.318	24.396
1913	47.3	-1.330	30.437	24.508
1914	47.9	-1.320	30.532	24.568
1914	51.0	-1.330	30.659	24.671
1914	57.3	-1.320	30.689	24.695
1914	62.3	-1.320	30.803	24.787
1914	67.5	-1.330	30.852	24.827
1914	72.4	-1.310	31.020	24.963
1915	77.0	-1.330	31.038	24.978
1915	81.8	-1.360	31.227	25.131
1915	87.1	-1.360	31.239	25.141
1915	92.1	-1.360	31.323	25.209
1915	97.1	-1.390	31.430	25.296
1915	100.8	-1.400	31.449	25.312



STATION NO. 6536 1 86 MONTH 8 DAY 14

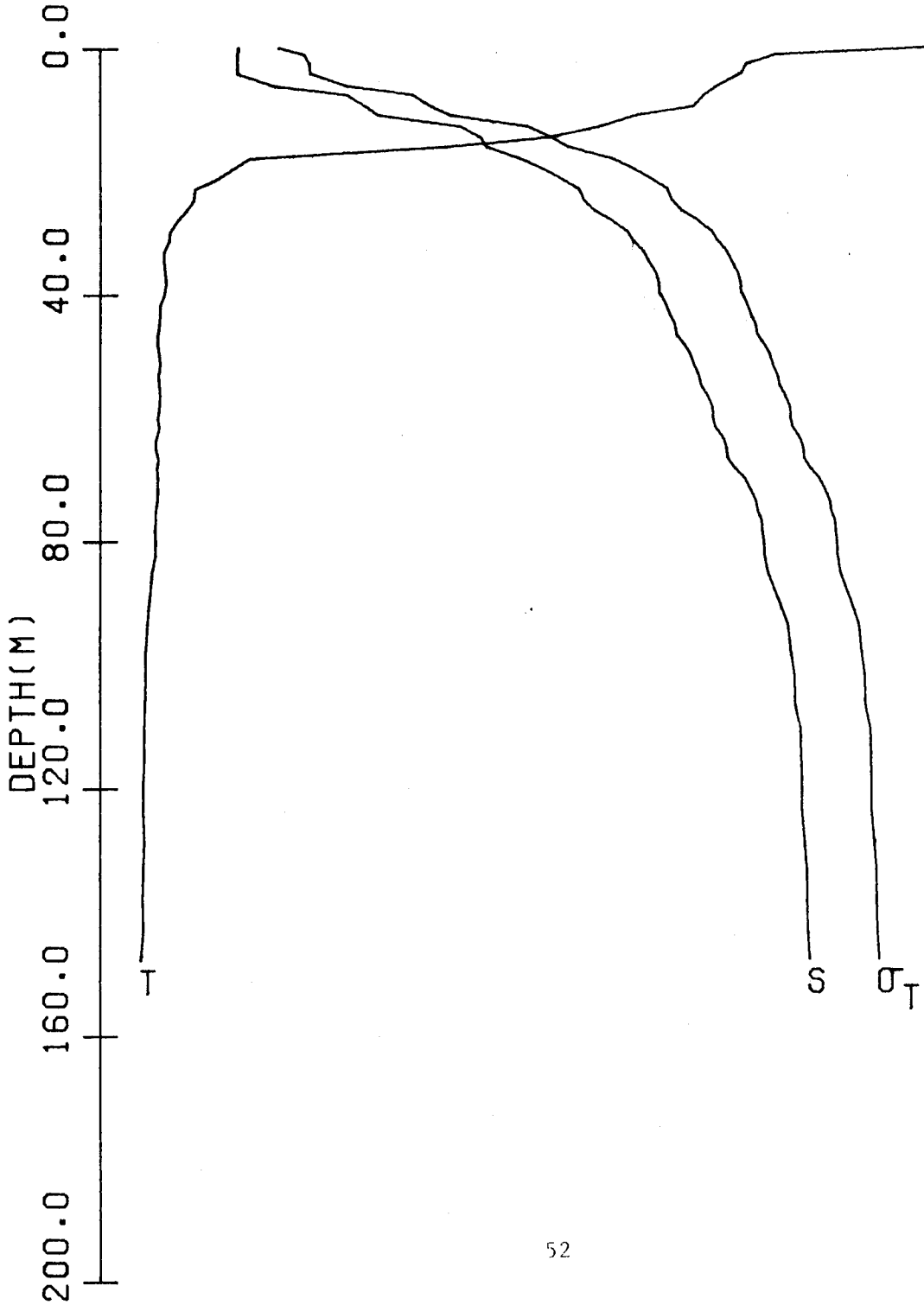
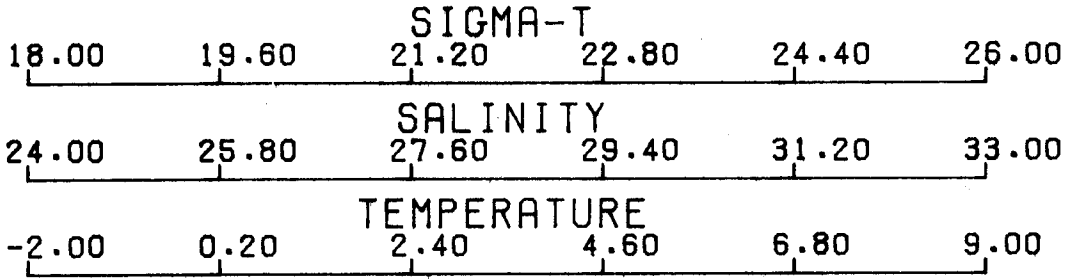


AREA SQUARE NUM 52075  
 DATE MONTH 14 DAY  
 STATION NUM 6536 VISIT NUM 1 CONSECUTIVE NUM 86  
 LATITUDE 5 DEGREES 21.00 MINUTES  
 LONGITUDE 163 DEGREES 07.00 MINUTES  
 SOUNDING 16 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

FILE NUM 1  
 WIND SPEED 17 KNTS  
 TEMP DIR 9.4 DEG C  
 PRESSURE 1023.2 M BAR  
 WAVE HEIGHT M  
 SWELL DIR M  
 SWELL DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
0000	0	7.77	37.3	1000
0005	0	7.77	37.3	1000
0010	0	7.77	37.3	1000
0015	0	7.77	37.3	1000
0020	0	7.77	37.3	1000
0025	0	7.77	37.3	1000
0030	0	7.77	37.3	1000
0035	0	7.77	37.3	1000
0040	0	7.77	37.3	1000
0045	0	7.77	37.3	1000
0050	0	7.77	37.3	1000
0055	0	7.77	37.3	1000
0100	0	7.77	37.3	1000
0105	0	7.77	37.3	1000
0110	0	7.77	37.3	1000
0115	0	7.77	37.3	1000
0120	0	7.77	37.3	1000
0125	0	7.77	37.3	1000
0130	0	7.77	37.3	1000
0135	0	7.77	37.3	1000
0140	0	7.77	37.3	1000
0145	0	7.77	37.3	1000
0150	0	7.77	37.3	1000
0155	0	7.77	37.3	1000
0200	0	7.77	37.3	1000
0205	0	7.77	37.3	1000
0210	0	7.77	37.3	1000
0215	0	7.77	37.3	1000
0220	0	7.77	37.3	1000
0225	0	7.77	37.3	1000
0230	0	7.77	37.3	1000
0235	0	7.77	37.3	1000
0240	0	7.77	37.3	1000
0245	0	7.77	37.3	1000
0250	0	7.77	37.3	1000
0255	0	7.77	37.3	1000
0300	0	7.77	37.3	1000
0305	0	7.77	37.3	1000
0310	0	7.77	37.3	1000
0315	0	7.77	37.3	1000
0320	0	7.77	37.3	1000
0325	0	7.77	37.3	1000
0330	0	7.77	37.3	1000
0335	0	7.77	37.3	1000
0340	0	7.77	37.3	1000
0345	0	7.77	37.3	1000
0350	0	7.77	37.3	1000
0355	0	7.77	37.3	1000
0400	0	7.77	37.3	1000
0405	0	7.77	37.3	1000
0410	0	7.77	37.3	1000
0415	0	7.77	37.3	1000
0420	0	7.77	37.3	1000
0425	0	7.77	37.3	1000
0430	0	7.77	37.3	1000
0435	0	7.77	37.3	1000
0440	0	7.77	37.3	1000
0445	0	7.77	37.3	1000
0450	0	7.77	37.3	1000
0455	0	7.77	37.3	1000
0500	0	7.77	37.3	1000
0505	0	7.77	37.3	1000
0510	0	7.77	37.3	1000
0515	0	7.77	37.3	1000
0520	0	7.77	37.3	1000
0525	0	7.77	37.3	1000
0530	0	7.77	37.3	1000
0535	0	7.77	37.3	1000
0540	0	7.77	37.3	1000
0545	0	7.77	37.3	1000
0550	0	7.77	37.3	1000
0555	0	7.77	37.3	1000
0600	0	7.77	37.3	1000
0605	0	7.77	37.3	1000
0610	0	7.77	37.3	1000
0615	0	7.77	37.3	1000
0620	0	7.77	37.3	1000
0625	0	7.77	37.3	1000
0630	0	7.77	37.3	1000
0635	0	7.77	37.3	1000
0640	0	7.77	37.3	1000
0645	0	7.77	37.3	1000
0650	0	7.77	37.3	1000
0655	0	7.77	37.3	1000
0700	0	7.77	37.3	1000
0705	0	7.77	37.3	1000
0710	0	7.77	37.3	1000
0715	0	7.77	37.3	1000
0720	0	7.77	37.3	1000
0725	0	7.77	37.3	1000
0730	0	7.77	37.3	1000
0735	0	7.77	37.3	1000
0740	0	7.77	37.3	1000
0745	0	7.77	37.3	1000
0750	0	7.77	37.3	1000
0755	0	7.77	37.3	1000
0800	0	7.77	37.3	1000
0805	0	7.77	37.3	1000
0810	0	7.77	37.3	1000
0815	0	7.77	37.3	1000
0820	0	7.77	37.3	1000
0825	0	7.77	37.3	1000
0830	0	7.77	37.3	1000
0835	0	7.77	37.3	1000
0840	0	7.77	37.3	1000
0845	0	7.77	37.3	1000
0850	0	7.77	37.3	1000
0855	0	7.77	37.3	1000
0900	0	7.77	37.3	1000
0905	0	7.77	37.3	1000
0910	0	7.77	37.3	1000
0915	0	7.77	37.3	1000
0920	0	7.77	37.3	1000
0925	0	7.77	37.3	1000
0930	0	7.77	37.3	1000
0935	0	7.77	37.3	1000
0940	0	7.77	37.3	1000
0945	0	7.77	37.3	1000
0950	0	7.77	37.3	1000
0955	0	7.77	37.3	1000
1000	0	7.77	37.3	1000
1005	0	7.77	37.3	1000
1010	0	7.77	37.3	1000
1015	0	7.77	37.3	1000
1020	0	7.77	37.3	1000
1025	0	7.77	37.3	1000
1030	0	7.77	37.3	1000
1035	0	7.77	37.3	1000
1040	0	7.77	37.3	1000
1045	0	7.77	37.3	1000
1050	0	7.77	37.3	1000
1055	0	7.77	37.3	1000
1100	0	7.77	37.3	1000
1105	0	7.77	37.3	1000
1110	0	7.77	37.3	1000
1115	0	7.77	37.3	1000
1120	0	7.77	37.3	1000
1125	0	7.77	37.3	1000
1130	0	7.77	37.3	1000
1135	0	7.77	37.3	1000
1140	0	7.77	37.3	1000
1145	0	7.77	37.3	1000
1150	0	7.77	37.3	1000
1155	0	7.77	37.3	1000
1200	0	7.77	37.3	1000
1205	0	7.77	37.3	1000
1210	0	7.77	37.3	1000
1215	0	7.77	37.3	1000
1220	0	7.77	37.3	1000
1225	0	7.77	37.3	1000
1230	0	7.77	37.3	1000
1235	0	7.77	37.3	1000
1240	0	7.77	37.3	1000
1245	0	7.77	37.3	1000
1250	0	7.77	37.3	1000
1255	0	7.77	37.3	1000
1300	0	7.77	37.3	1000
1305	0	7.77	37.3	1000
1310	0	7.77	37.3	1000
1315	0	7.77	37.3	1000
1320	0	7.77	37.3	1000
1325	0	7.77	37.3	1000
1330	0	7.77	37.3	1000
1335	0	7.77	37.3	1000
1340	0	7.77	37.3	1000
1345	0	7.77	37.3	1000
1350	0	7.77	37.3	1000
1355	0	7.77	37.3	1000
1400	0	7.77	37.3	1000
1405	0	7.77	37.3	1000
1410	0	7.77	37.3	1000
1415	0	7.77	37.3	1000
1420	0	7.77	37.3	1000
1425	0	7.77	37.3	1000
1430	0	7.77	37.3	1000
1435	0	7.77	37.3	1000
1440	0	7.77	37.3	1000
1445	0	7.77	37.3	1000
1450	0	7.77	37.3	1000
1455	0	7.77	37.3	1000
1500	0	7.77	37.3	1000
1505	0	7.77	37.3	1000
1510	0	7.77	37.3	1000
1515	0	7.77	37.3	1000
1520	0	7.77	37.3	1000
1525	0	7.77	37.3	1000
1530	0	7.77	37.3	1000
1535	0	7.77	37.3	1000
1540	0	7.77	37.3	1000
1545	0	7.77	37.3	1000
1550	0	7.77	37.3	1000
1555	0	7.77	37.3	1000
1600	0	7.77	37.3	1000
1605	0	7.77	37.3	1000
1610	0	7.77	37.3	1000
1615	0	7.77	37.3	1000
1620	0	7.77	37.3	1000
1625	0	7.77	37.3	1000
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1730	0	7.77	37.3	1000
1735	0	7.77	37.3	1000
1740	0	7.77	37.3	1000
1745	0	7.77	37.3	1000
1750	0	7.77	37.3	1000
1755	0	7.77	37.3	1000
1800	0	7.77	37.3	1000
1805	0	7.77	37.3	1000
1810	0	7.77	37.3	1000
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1915	0	7.77	37.3	1000
1920	0	7.77	37.3	1000
1925	0	7.77	37.3	1000
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1935	0	7.77	37.3	1000
1940	0	7.77	37.3	1000
1945	0	7.77	37.3	1000
1950	0	7.77	37.3	1000
1955	0	7.77	37.3	1000
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2050	0	7.77	37.3	1000
2055	0	7.77	37.3	1000
2100	0	7.77	37.3	1000
2105	0	7.77	37.3	1000
2110	0	7.77	37.3	1000

STATION NO. 6545 1 87 MONTH 8 DAY 14

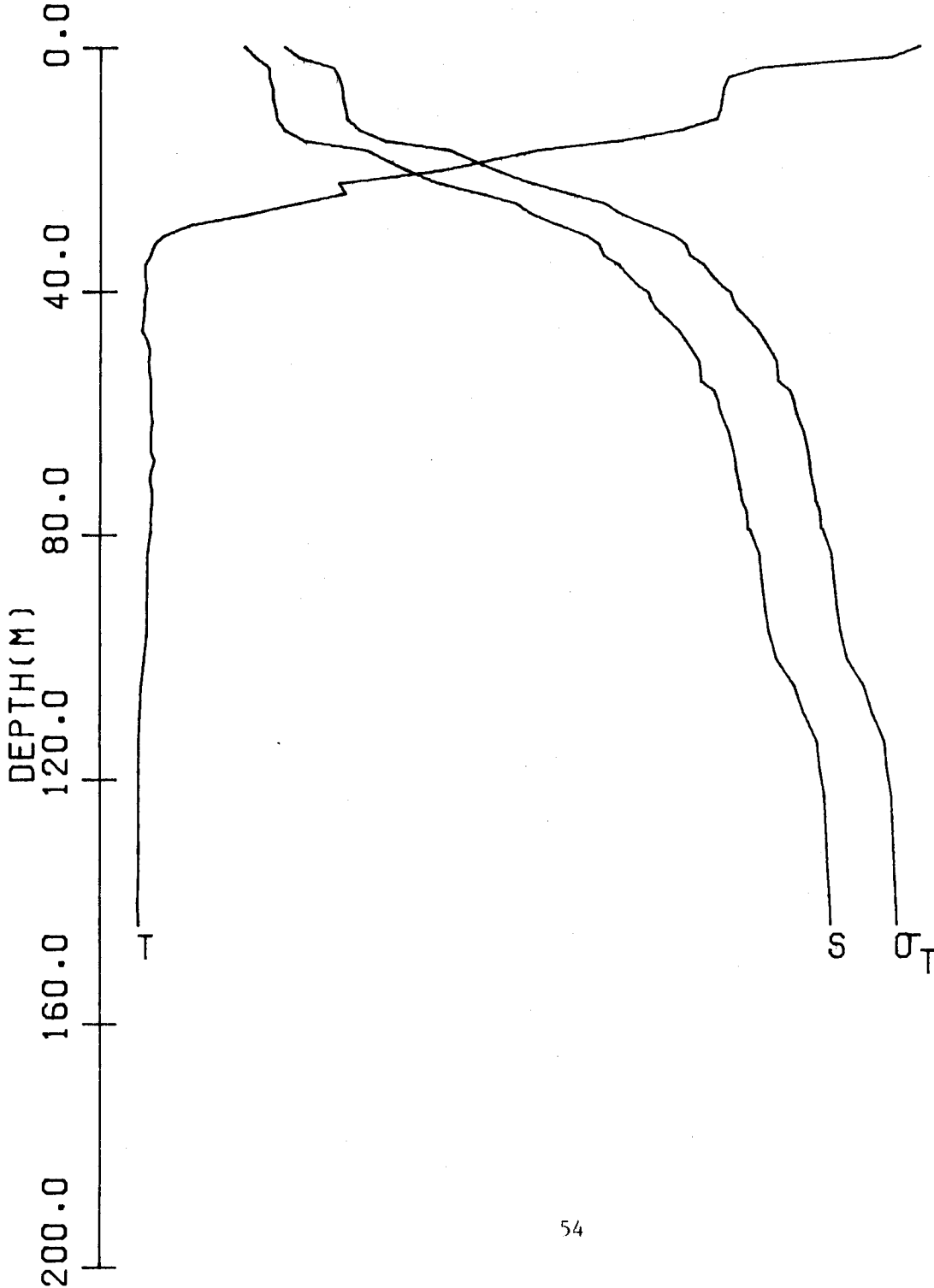
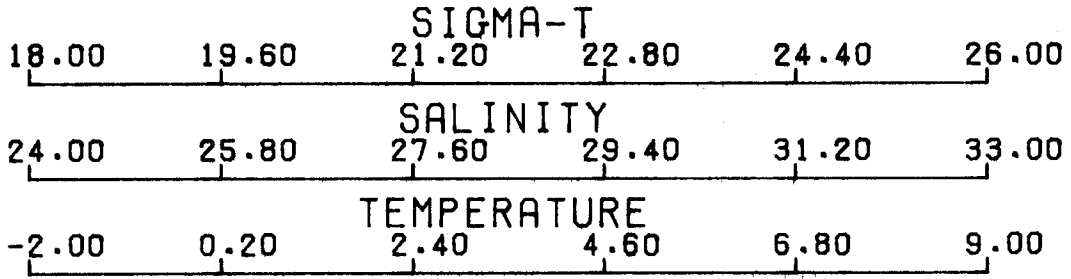


AREA SQUARE NUM 52076  
 DATE 9 MONTH 14 DAY  
 STATION NUM 6545 VISIT NUM 1 CONSECUTIVE NUM 87  
 LATITUDE 57 DEGS 52 MINUTES  
 LONGITUDE 173 DEGS 00 MINUTES  
 ICE THICKNESS 113.0 METERS  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-44E  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS  
 WIND DIR 66 DEG  
 PRESSURE 1023.7 M BAR  
 WAVE HEIGHT 10.4 M  
 SWELL DIR M  
 SECHL DISC 14.5 M

TIME (G.T)	DEPTH (M)	TEMP. (C.G.C)	SALINITY (P.T.)	SIGMA T
21472	0	9.980	34.920	19.727
21473	0	9.980	34.920	19.727
21474	0	9.980	34.920	19.727
21475	0	9.980	34.920	19.727
21476	0	9.980	34.920	19.727
21477	0	9.980	34.920	19.727
21478	0	9.980	34.920	19.727
21479	0	9.980	34.920	19.727
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21481	0	9.980	34.920	19.727
21482	0	9.980	34.920	19.727
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21484	0	9.980	34.920	19.727
21485	0	9.980	34.920	19.727
21486	0	9.980	34.920	19.727
21487	0	9.980	34.920	19.727
21488	0	9.980	34.920	19.727
21489	0	9.980	34.920	19.727
21490	0	9.980	34.920	19.727
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21507	0	9.980	34.920	19.727
21508	0	9.980	34.920	19.727
21509	0	9.980	34.920	19.727
21510	0	9.980	34.920	19.727
21511	0	9.980	34.920	19.727
21512	0	9.980	34.920	19.727
21513	0	9.980	34.920	19.727
21514	0	9.980	34.920	19.727
21515	0	9.980	34.920	19.727
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21517	0	9.980	34.920	19.727
21518	0	9.980	34.920	19.727
21519	0	9.980	34.920	19.727
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21572	0	9.980	34.920	19.727
21573	0	9.980	34.920	19.727
21574	0	9.980	34.920	19.727
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STATION NO. 6544 1 88 MONTH 8 DAY 14



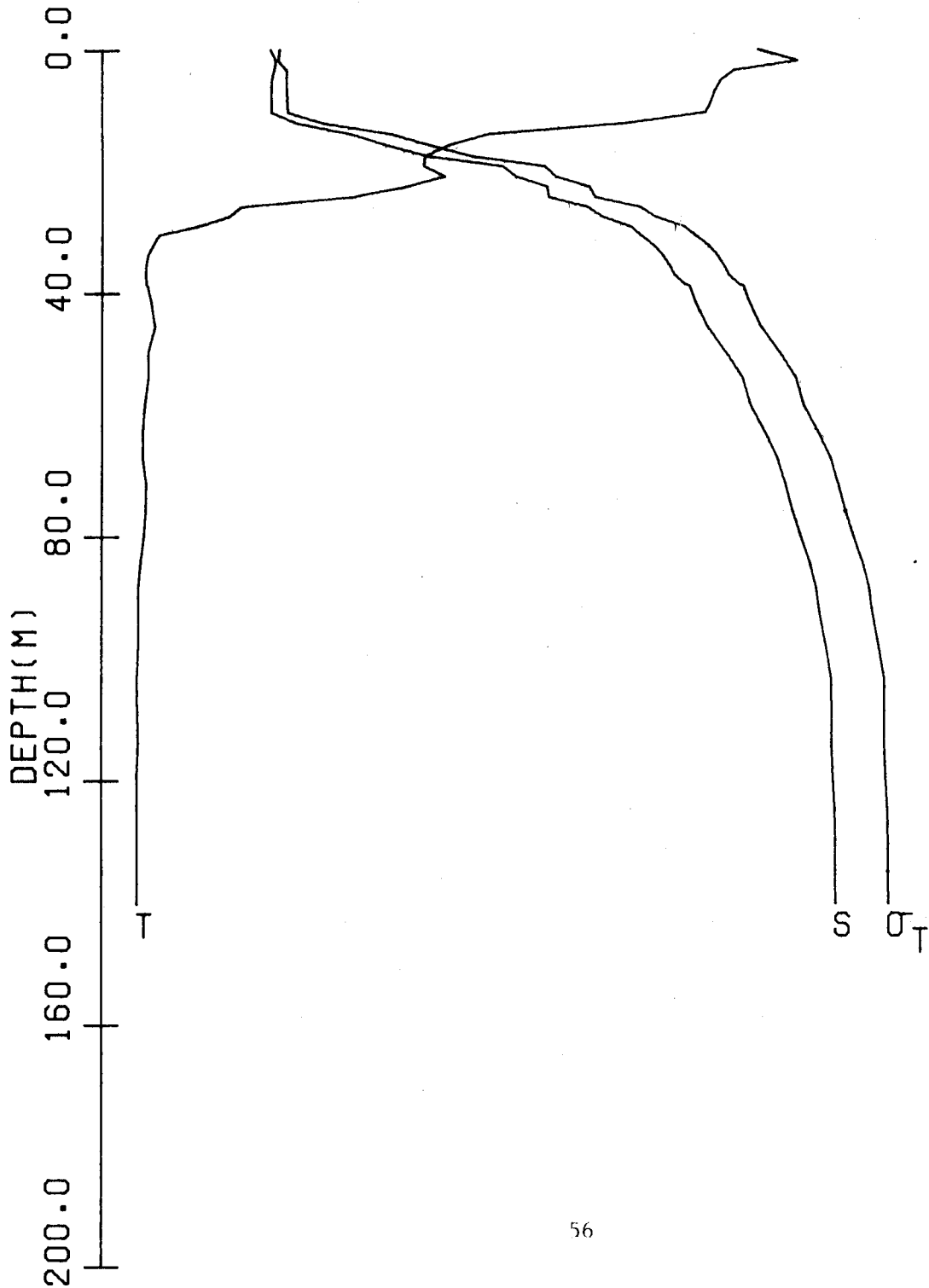
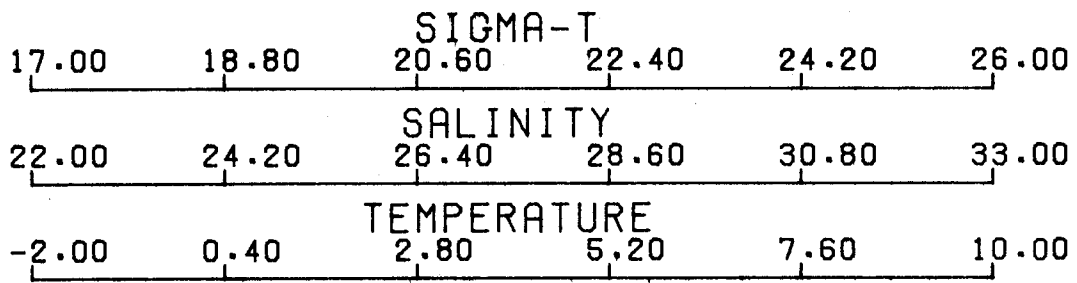
AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6544 VISIT NUM 1 CONSECUTIVE NUM 86  
 LATITUDE 55 00 DEGREES 15.00 MINUTES  
 LONGITUDE 178 00 DEGREES 46.00 MINUTES  
 ICING THICKNESS METRES SNOW THICKNESS CM  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 1 KNTS WIND DIR 80 DEG  
 TEMP SURF 11.2 C TEMP WET 10.2 C  
 PRESSURE 1022.6 H BAK WAVE HEIGHT M  
 SWELL HEIGHT 7.0 M SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
2200	0	9.30	35.00	1.0794
2200	1	9.30	35.00	1.0794
2200	2	9.30	35.00	1.0794
2200	3	9.30	35.00	1.0794
2200	4	9.30	35.00	1.0794
2200	5	9.30	35.00	1.0794
2200	6	9.30	35.00	1.0794
2200	7	9.30	35.00	1.0794
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2200	11	9.30	35.00	1.0794
2200	12	9.30	35.00	1.0794
2200	13	9.30	35.00	1.0794
2200	14	9.30	35.00	1.0794
2200	15	9.30	35.00	1.0794
2200	16	9.30	35.00	1.0794
2200	17	9.30	35.00	1.0794
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2200	22	9.30	35.00	1.0794
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2200	24	9.30	35.00	1.0794
2200	25	9.30	35.00	1.0794
2200	26	9.30	35.00	1.0794
2200	27	9.30	35.00	1.0794
2200	28	9.30	35.00	1.0794
2200	29	9.30	35.00	1.0794
2200	30	9.30	35.00	1.0794
2200	31	9.30	35.00	1.0794
2200	32	9.30	35.00	1.0794
2200	33	9.30	35.00	1.0794
2200	34	9.30	35.00	1.0794
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2200	37	9.30	35.00	1.0794
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2200	41	9.30	35.00	1.0794
2200	42	9.30	35.00	1.0794
2200	43	9.30	35.00	1.0794
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2200	55	9.30	35.00	1.0794
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2200	63	9.30	35.00	1.0794
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2200	68	9.30	35.00	1.0794
2200	69	9.30	35.00	1.0794
2200	70	9.30	35.00	1.0794
2200	71	9.30	35.00	1.0794
2200	72	9.30	35.00	1.0794
2200	73	9.30	35.00	1.0794
2200	74	9.30	35.00	1.0794
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2200	82	9.30	35.00	1.0794
2200	83	9.30	35.00	1.0794
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2200	111	9.30	35.00	1.0794
2200	112	9.30	35.00	1.0794
2200	113	9.30	35.00	1.0794
2200	114	9.30	35.00	1.0794
2200	115	9.30	35.00	1.0794
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2200	130	9.30	35.00	1.0794
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2200	167	9.30	35.00	1.0794
2200	168	9.30	35.00	1.0794
2200	169	9.30	35.00	1.0794
2200	170	9.30	35.00	1.0794
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2200	196	9.30	35.00	1.0794
2200	197	9.30	35.00	1.0794
2200	198	9.30	35.00	1.0794
2200	199	9.30	35.00	1.0794
2200	200	9.30	35.00	1.0794

S

STATION NO. 6543 1 89 MONTH 8 DAY 14



AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6543 VISIT NUM 1 CONSECUTIVE NUM 89  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 78 DEGREES 42.00 MINUTES  
 SOUNDING 141.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

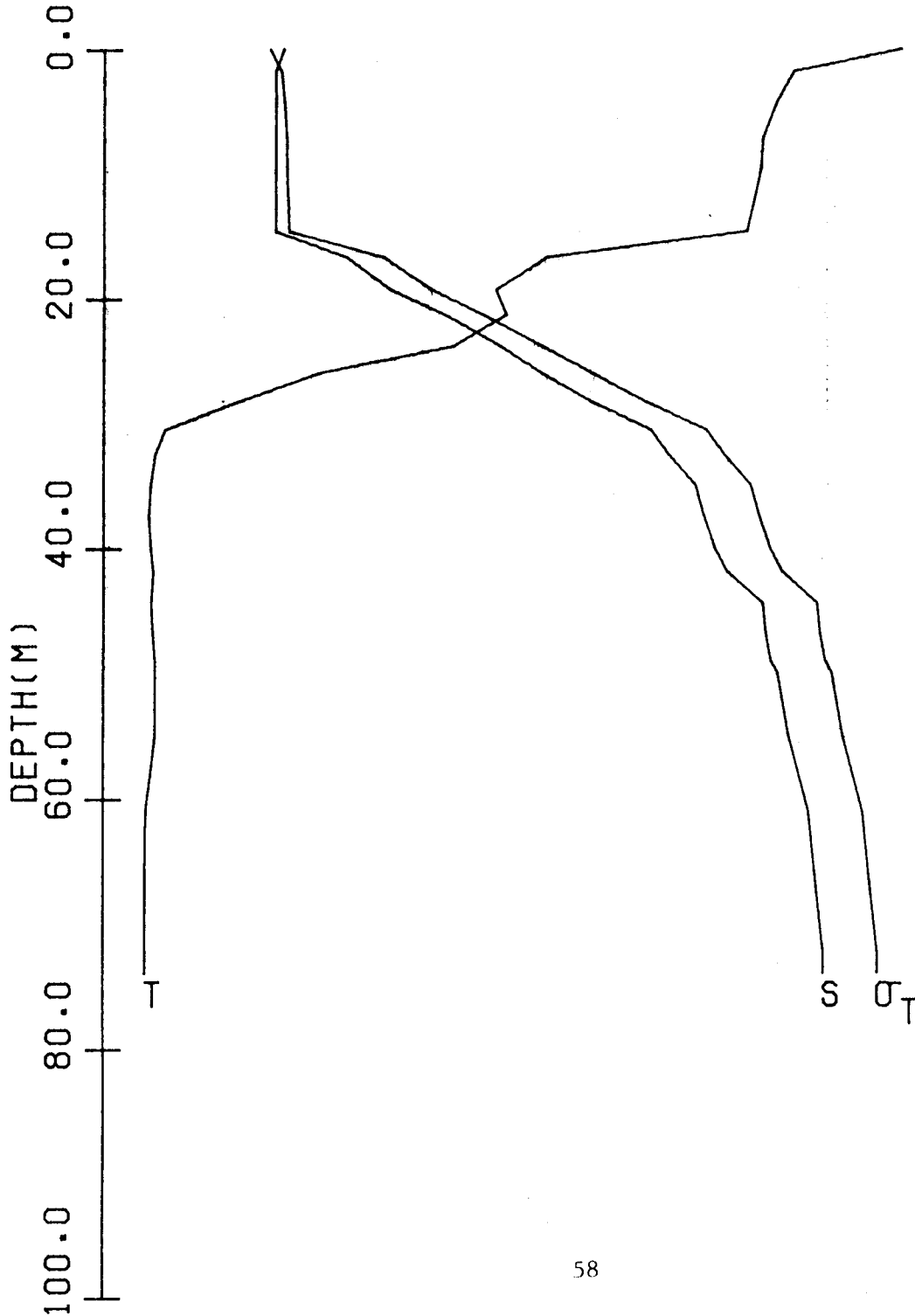
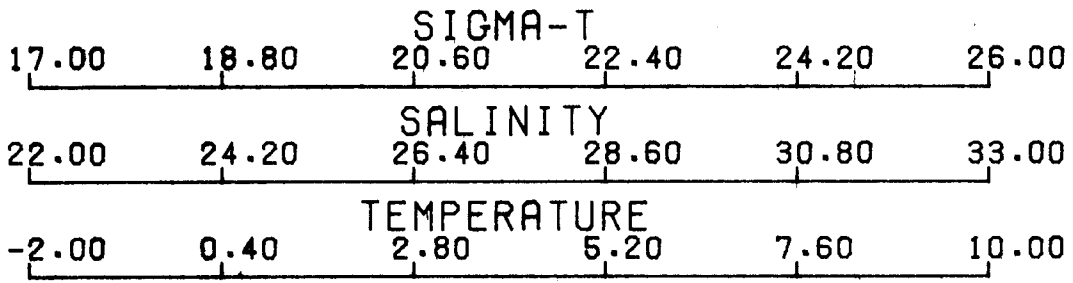
PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 74 DEG  
 TEMP DRY 10.2 C TEMP WET 9.6 C  
 PRESSURE 1022.4 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
23222	0.0	7.600	24.258	18.943
23226	1.0	8.170	24.331	18.930
23226	3.0	7.240	24.305	19.022
23226	5.0	7.040	24.275	19.022
23226	6.0	6.950	24.270	19.028
23226	8.0	6.890	24.270	19.034
23226	10.0	6.820	24.270	19.042
23226	12.0	6.640	24.623	19.042
23226	13.0	6.600	25.334	20.173
23226	15.0	6.070	25.812	20.593
23226	17.0	2.710	26.371	21.061
23226	19.0	2.700	27.378	21.863
23226	20.0	3.010	27.550	21.986
23226	22.0	2.430	27.980	22.358
23227	24.0	1.660	27.996	22.410
23227	25.0	.030	28.517	22.900
23227	27.0	-.150	28.726	23.082
23227	29.0	-.620	29.102	23.396
23227	30.0	-1.170	29.232	23.515
23227	32.0	-1.260	29.420	23.668
23227	33.0	-1.330	29.532	23.760
23227	35.0	-1.360	29.634	23.843
23227	37.0	-1.360	29.691	23.934
23227	38.0	-1.330	29.826	24.039
23227	38.0	-1.330	29.891	24.058
23227	41.0	-1.280	29.953	24.103
23228	45.0	-1.220	30.128	24.240
23228	49.0	-1.320	30.372	24.439
23228	53.0	-1.320	30.604	24.626
23228	55.0	-1.370	30.711	24.714
23228	62.0	-1.400	30.900	24.867
23228	67.0	-1.400	31.072	25.007
23229	71.0	-1.350	31.179	25.092
23229	75.0	-1.360	31.276	25.171
23229	79.0	-1.380	31.342	25.257
23229	84.0	-1.430	31.504	25.357
23229	88.0	-1.460	31.592	25.428
23229	92.0	-1.460	31.535	25.463
23230	97.0	-1.460	31.720	25.532
23230	103.0	-1.480	31.797	25.595
23230	108.0	-1.470	31.798	25.595
23230	113.0	-1.460	31.798	25.595
23230	119.0	-1.480	31.816	25.610
23230	124.0	-1.480	31.843	25.632
23231	129.0	-1.480	31.850	25.638
23231	134.0	-1.480	31.851	25.639
23231	140.0	-1.480	31.957	25.643

S



STATION NO. 6542 1 90 MONTH 8 DAY 15



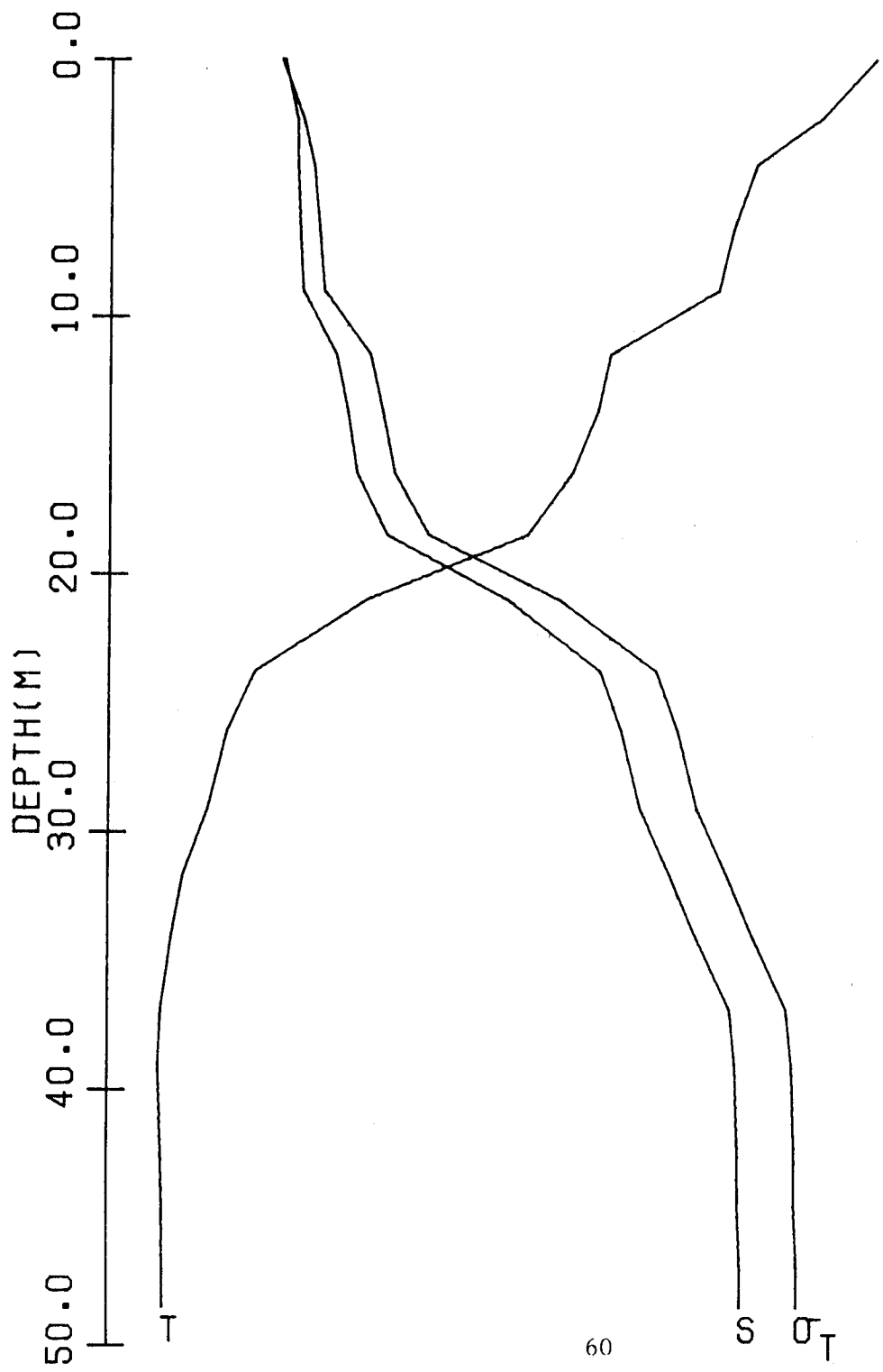
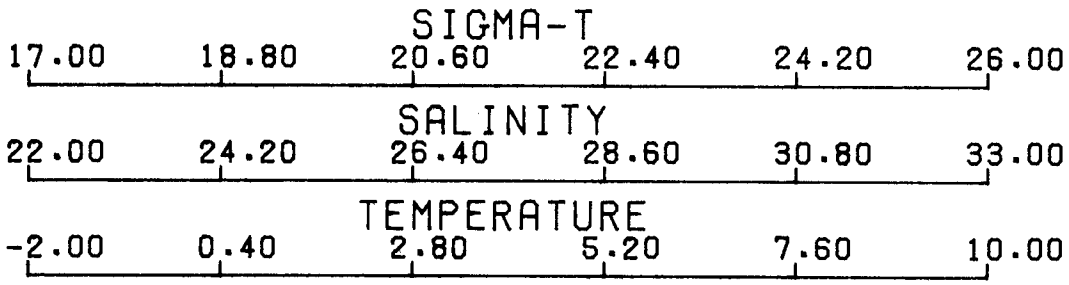
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6542 VISIT NUM 1 CONSECUTIVE NUM 90  
 LATITUDE 55 DEGREES 5.00 MINUTES  
 LONGITUDE 78 DEGREES 37.00 MINUTES  
 SOUNDING 74.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 70 DEG  
 TEMP DRY 10.4 C TEMP WET 9.4 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
012	0.0	9.400	24.344	18.775
018	1.8	7.860	24.239	18.897
018	4.2	7.620	24.242	18.922
018	7.1	7.420	24.243	18.953
018	9.5	7.390	24.243	18.956
018	12.1	7.290	24.243	18.963
018	14.6	7.190	24.244	18.980
018	16.7	4.320	25.179	19.999
019	19.3	3.600	25.752	20.508
019	21.3	3.750	26.463	21.060
019	23.8	2.990	27.193	21.696
019	26.0	1.070	27.733	22.238
019	28.3	-1.100	28.400	22.818
019	30.5	-1.130	29.165	23.460
019	32.7	-1.270	29.402	23.654
019	34.9	-1.330	29.730	23.936
019	37.4	-1.360	29.866	24.030
019	40.0	-1.330	30.009	24.146
019	41.9	-1.290	30.171	24.276
019	44.4	-1.320	30.638	24.654
019	46.7	-1.300	30.674	24.683
019	49.0	-1.270	30.742	24.737
020	49.9	-1.270	30.831	24.806
020	55.0	-1.270	30.975	24.925
020	61.0	-1.400	31.237	25.140
020	66.7	-1.410	31.333	25.218
020	72.2	-1.410	31.433	25.299
020	73.9	-1.410	31.433	25.299

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STATION NO. 6541 1 91 MONTH 8 DAY 15



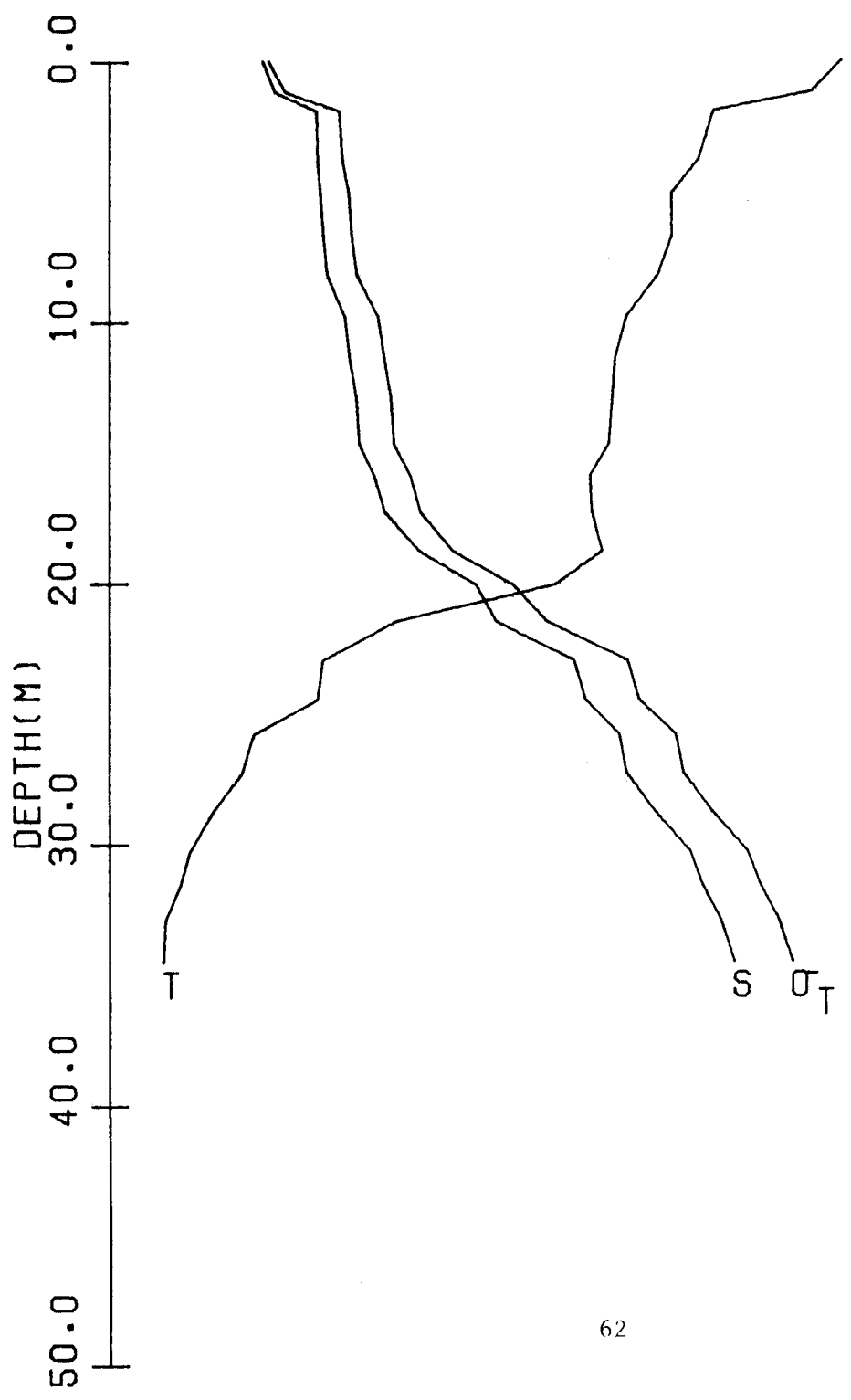
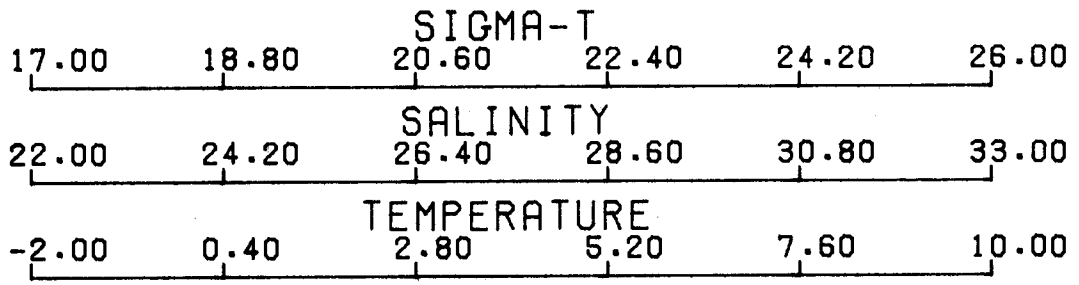
AREA SQUARE NUM 52076  
 DATE 8 MCNTH 15 DAY  
 STATION NUM 6541 VISIT NUM 1 CONSECUTIVE NUM 91  
 LATITUDE 55 DEGREES 1.00 MINUTES  
 LONGITUDE 78 DEGREES 32.50 MINUTES  
 SOUNDING 56.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 40 DEG  
 TEMP DRY 9.2 C TEMP WET 9.2 C  
 PRESSURE 1022.3 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGNAT
1 4	0.0	8.600	24.196	18.769
1 8	2.3	7.850	24.356	18.989
1 8	4.1	6.950	24.362	19.100
1 8	6.6	6.630	24.395	19.161
1 8	9.0	6.430	24.434	19.213
1 8	11.5	4.920	24.860	19.696
1 8	13.7	4.750	25.010	19.829
1 8	15.1	4.400	25.131	19.954
1 8	18.5	3.780	25.522	20.313
1 9	21.0	1.570	27.044	21.663
1 9	23.8	.010	28.245	22.690
1 9	26.1	-.370	28.512	22.916
1 9	29.1	-.630	28.756	23.116
1 9	31.7	-.970	29.138	23.435
1 9	34.0	-1.120	29.456	23.695
1 9	36.9	-1.270	29.907	24.062
1 9	39.1	-1.300	29.979	24.121
1 9	42.3	-1.260	30.015	24.149
1 9	44.7	-1.240	30.018	24.151
1 9	47.0	-1.230	30.051	24.178
1 9	48.5	-1.230	30.052	24.178

S

STATION NO. 6551 1 92 MONTH 8 DAY 15



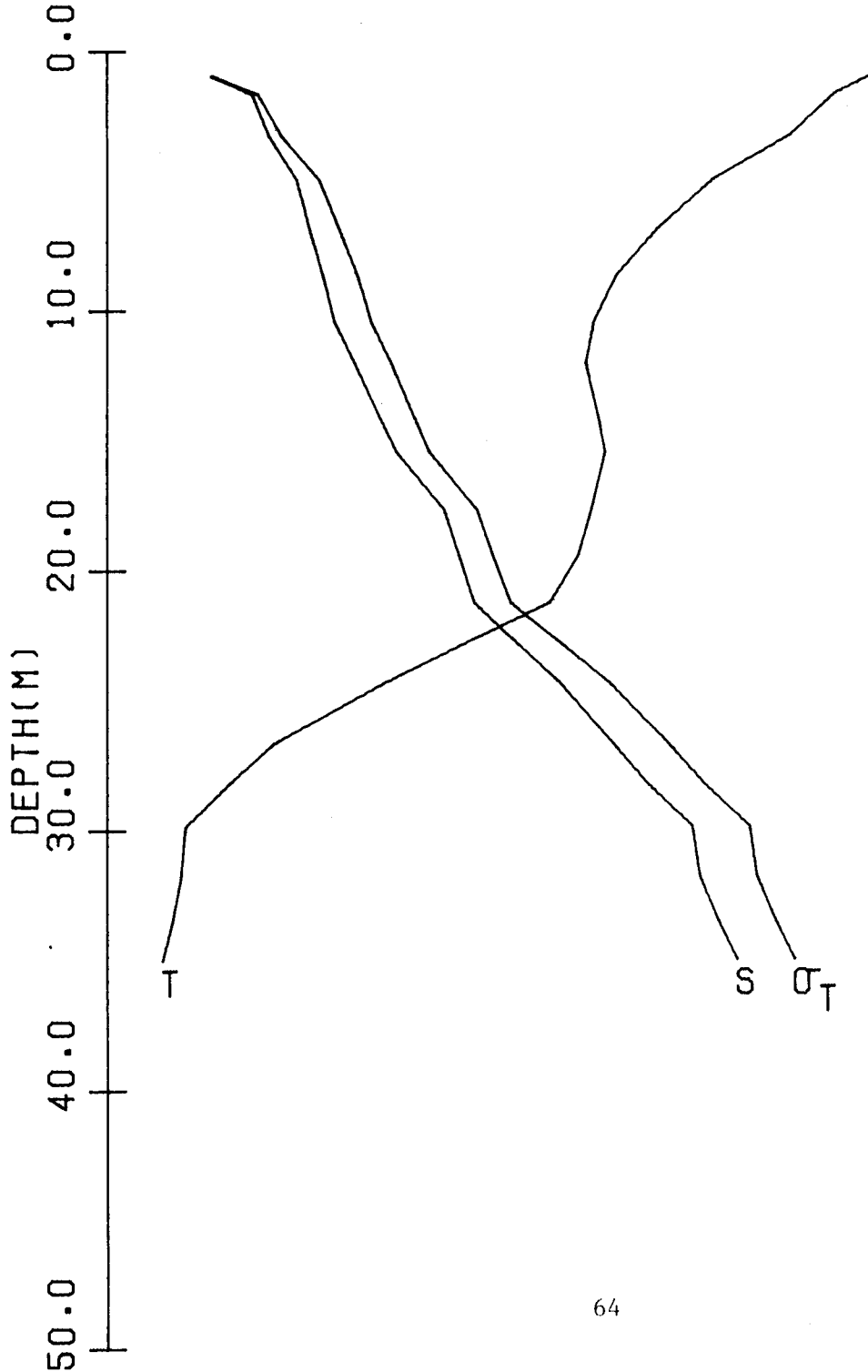
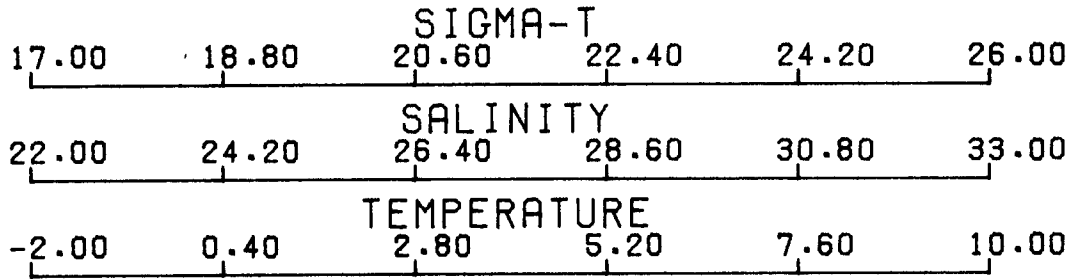
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6551 VISIT NUM 1 CONSECUTIVE NUM 92  
 LATITUDE 55 DEGREES 8.25 MINUTES  
 LONGITUDE 78 DEGREES 12.50 MINUTES  
 SOUNDING 43.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 3 KNTS WIND DIR 340 DEG  
 TEMP DRY 8.8 C TEMP WET 8.0 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
230	0.0	8.000	23.919	18.630
233	1.2	7.590	24.071	18.798
233	1.9	6.250	24.589	19.354
233	3.8	6.040	24.602	19.386
234	5.1	5.670	24.638	19.451
234	6.7	5.580	24.677	19.481
234	8.2	5.490	24.722	19.534
234	9.8	5.060	24.946	19.751
234	11.4	4.900	25.007	19.813
234	12.9	4.870	25.088	19.880
234	14.7	4.820	25.125	19.913
234	15.9	4.560	25.311	20.083
234	17.6	4.590	25.445	20.186
234	18.8	4.730	25.980	20.517
234	20.1	4.080	26.592	21.136
234	21.5	1.900	26.840	21.483
234	23.0	.900	27.819	22.315
234	24.5	.830	27.962	22.432
234	25.8	-.040	28.387	22.806
235	27.4	-.200	28.479	22.885
235	28.8	-.600	28.342	23.188
235	30.3	-.910	29.281	23.545
235	31.6	-1.040	29.437	23.678
235	32.0	-1.240	29.661	23.863
235	34.8	-1.270	29.835	24.004

S

STATION NO. 6552 1 93 MONTH 8 DAY 15



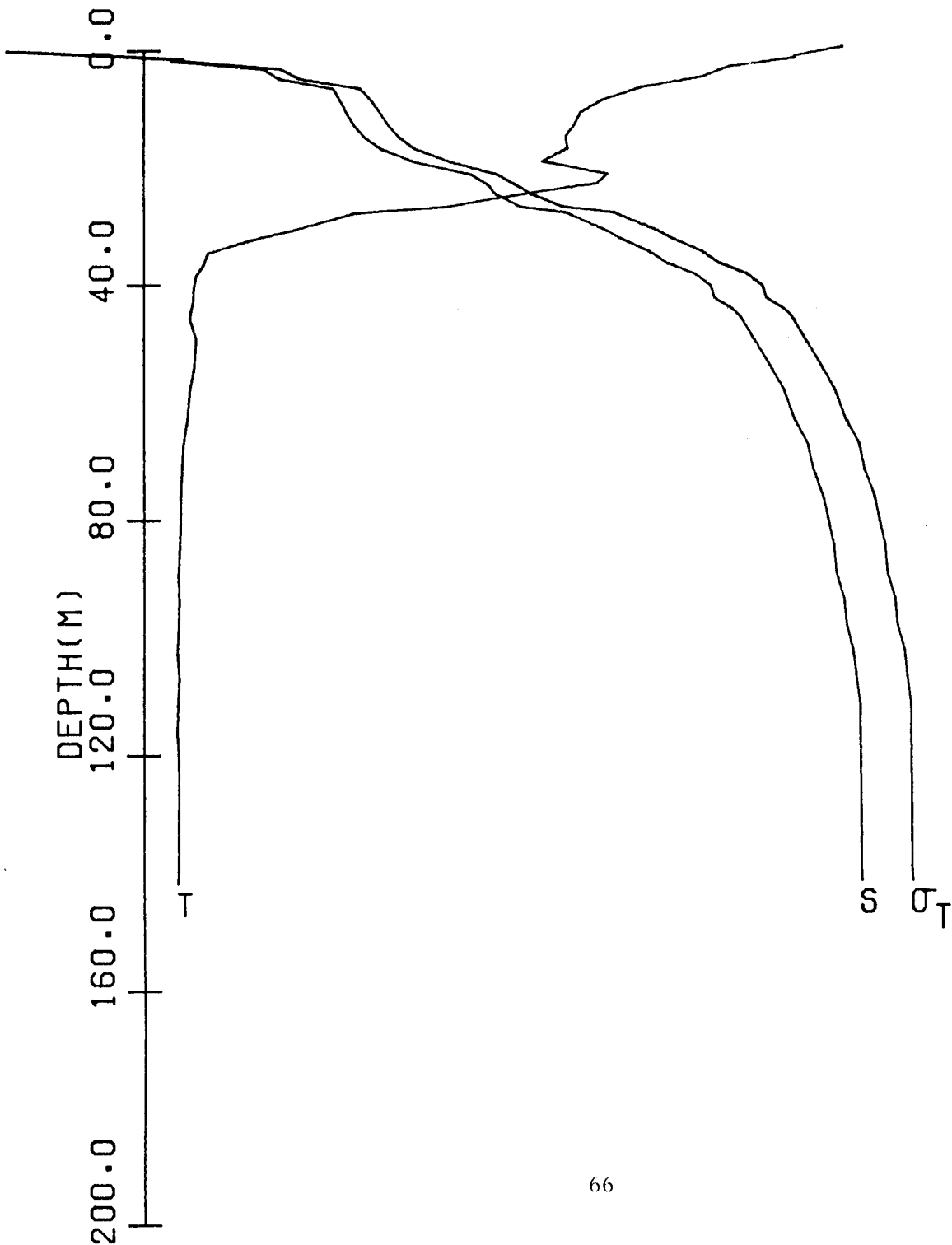
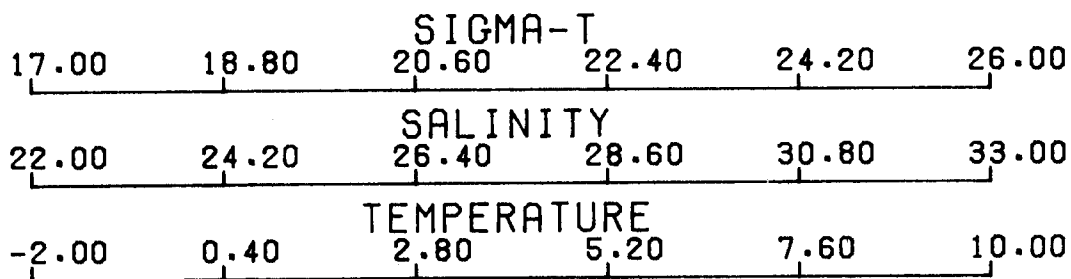
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6552 VISIT NUM 1 CONSECUTIVE NUM 93  
 LATITUDE 55 DEGREES 10.17 MINUTES  
 LONGITUDE 78 DEGREES 15.00 MINUTES  
 SOUNDING 44.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 1 KNTS WIND DIR 340 DEG  
 TEMP DRY 8.8 C TEMP WET 8.0 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT .2 M  
 SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
3 3	1.0	8.500	23.302	18.086
3 3	1.7	7.990	23.318	18.532
3 3	3.3	7.380	24.026	18.788
3 3	5.0	6.320	24.376	19.179
3 3	6.7	5.550	24.537	19.383
3 3	8.4	4.980	24.708	19.570
3 3	10.1	4.670	24.855	19.713
3 3	12.1	4.560	25.107	19.922
3 3	14.2	4.740	25.427	20.159
3 3	15.5	4.830	25.534	20.314
3 4	17.7	4.640	26.229	20.801
3 4	19.5	4.460	26.420	20.967
3 4	21.3	4.070	26.612	21.152
3 4	22.7	3.010	27.100	21.621
3 4	24.3	1.830	27.574	22.152
3 4	26.7	.270	28.352	22.775
3 4	28.3	-.360	28.312	23.157
3 4	29.9	-.940	29.368	23.620
3 4	31.8	-1.000	29.455	23.692
3 4	33.4	-1.110	29.677	23.873
3 4	35.0	-1.250	29.931	24.081



STATION NO. 6553 1 94 MONTH 8 DAY 15



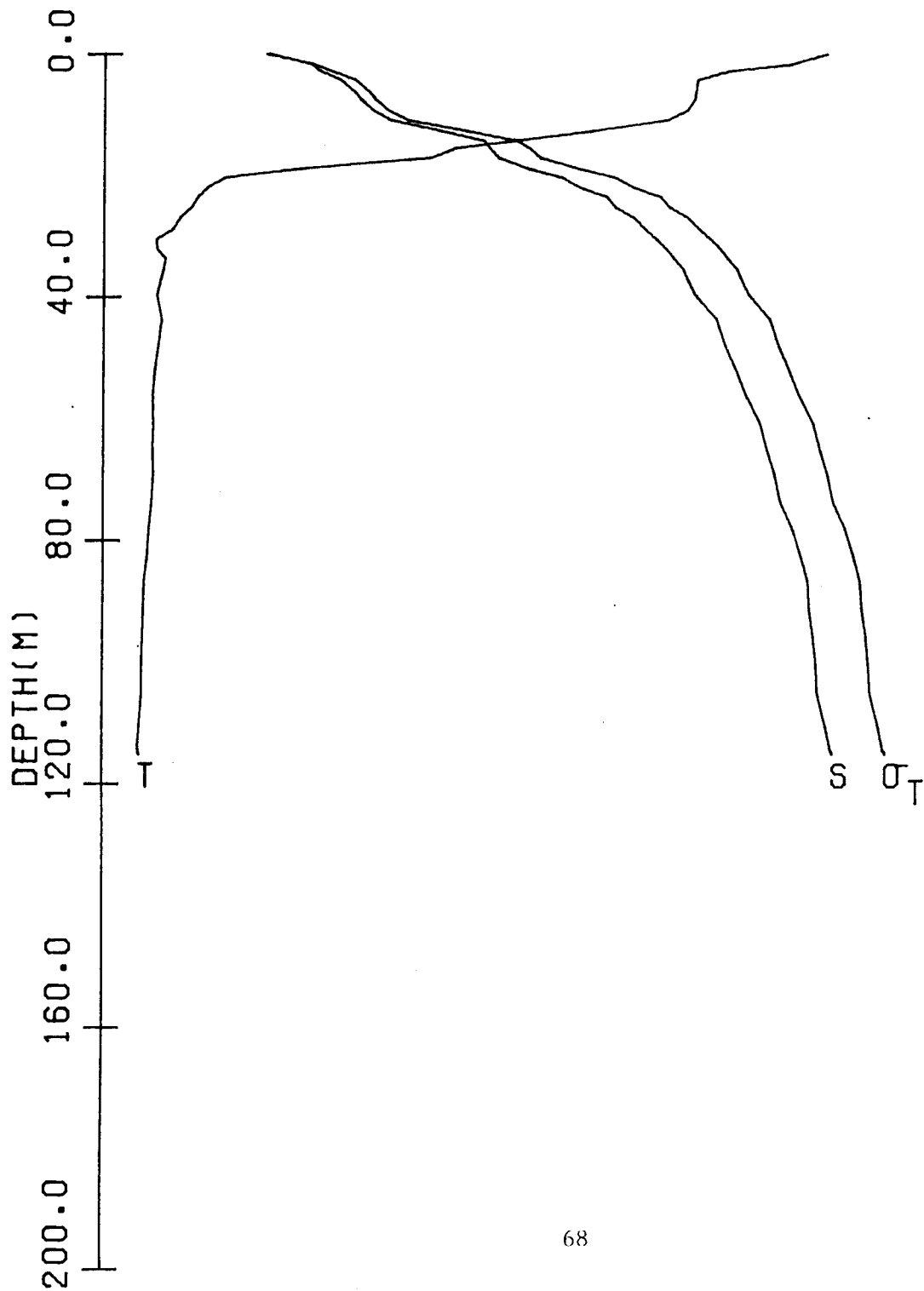
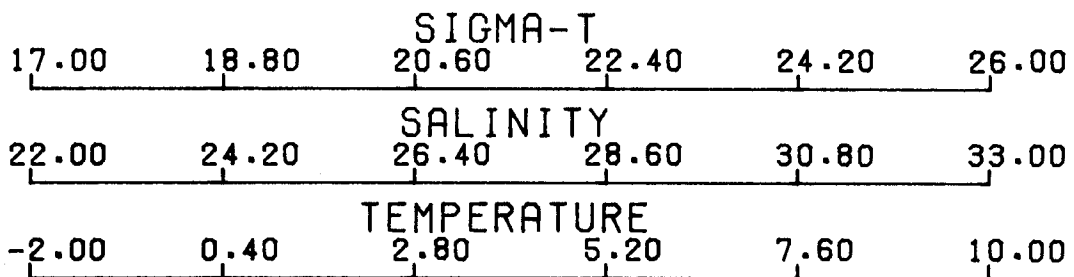
AREA SQUARE NUM 52075  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6553 VISIT NUM 1 CONSECUTIVE NUM 94  
 LATITUDE 55 DEGREES 16.50 MINUTES  
 LONGITUDE 78 DEGREES 24.00 MINUTES  
 SOUNDING 161.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 280 DEG  
 TEMP DRY 9.1 C TEMP WET 9.1 C  
 PRESSURE 1022.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
355	0.0	8.600	20.106	15.584
422	1.0	7.870	22.394	17.455
422	1.1	7.870	22.394	17.455
422	3.3	6.860	23.657	18.566
422	5.0	6.470	23.840	18.774
422	6.7	5.940	24.639	19.464
422	8.5	4.940	24.738	19.598
422	11.1	4.600	24.823	19.694
422	13.2	4.510	24.926	19.783
422	15.0	4.380	25.000	19.800
422	17.1	4.410	25.233	20.081
422	19.3	4.030	25.738	20.480
422	21.5	3.860	26.545	21.014
422	23.1	3.730	26.765	21.204
422	24.9	3.730	26.888	21.399
422	27.7	2.580	27.232	21.755
422	28.0	1.190	27.867	22.340
422	30.0	1.330	28.411	22.816
422	32.0	1.380	28.634	23.012
422	34.7	-1.040	29.033	23.352
422	36.8	-1.110	29.286	23.557
422	38.6	-1.120	29.358	23.668
422	40.6	-1.120	29.388	23.684
422	42.7	-1.120	29.937	24.086
422	44.8	-1.120	30.184	24.286
422	45.5	-1.130	30.291	24.373
422	49.0	-1.120	30.464	24.411
422	54.0	-1.120	30.696	24.699
422	58.5	-1.130	30.838	24.863
422	63.3	-1.130	31.034	24.978
422	67.7	-1.140	31.229	25.134
422	71.1	-1.140	31.306	25.196
422	76.0	-1.140	31.442	25.307
422	80.0	-1.140	31.514	25.365
422	84.0	-1.140	31.528	25.380
422	89.0	-1.140	31.528	25.458
422	93.0	-1.140	31.734	25.533
422	98.0	-1.140	31.759	25.572
422	102.0	-1.150	31.860	25.648
422	107.1	-1.140	31.902	25.680
422	111.8	-1.140	31.954	25.722
422	116.3	-1.150	31.956	25.724
422	120.4	-1.140	31.962	25.728
422	125.4	-1.140	31.964	25.730
422	130.2	-1.140	31.964	25.730
422	134.7	-1.140	31.964	25.730
422	139.2	-1.140	31.966	25.732
422	141.0	-1.140	31.975	25.739

S

STATION NO. 6554 1 95 MONTH 8 DAY 15



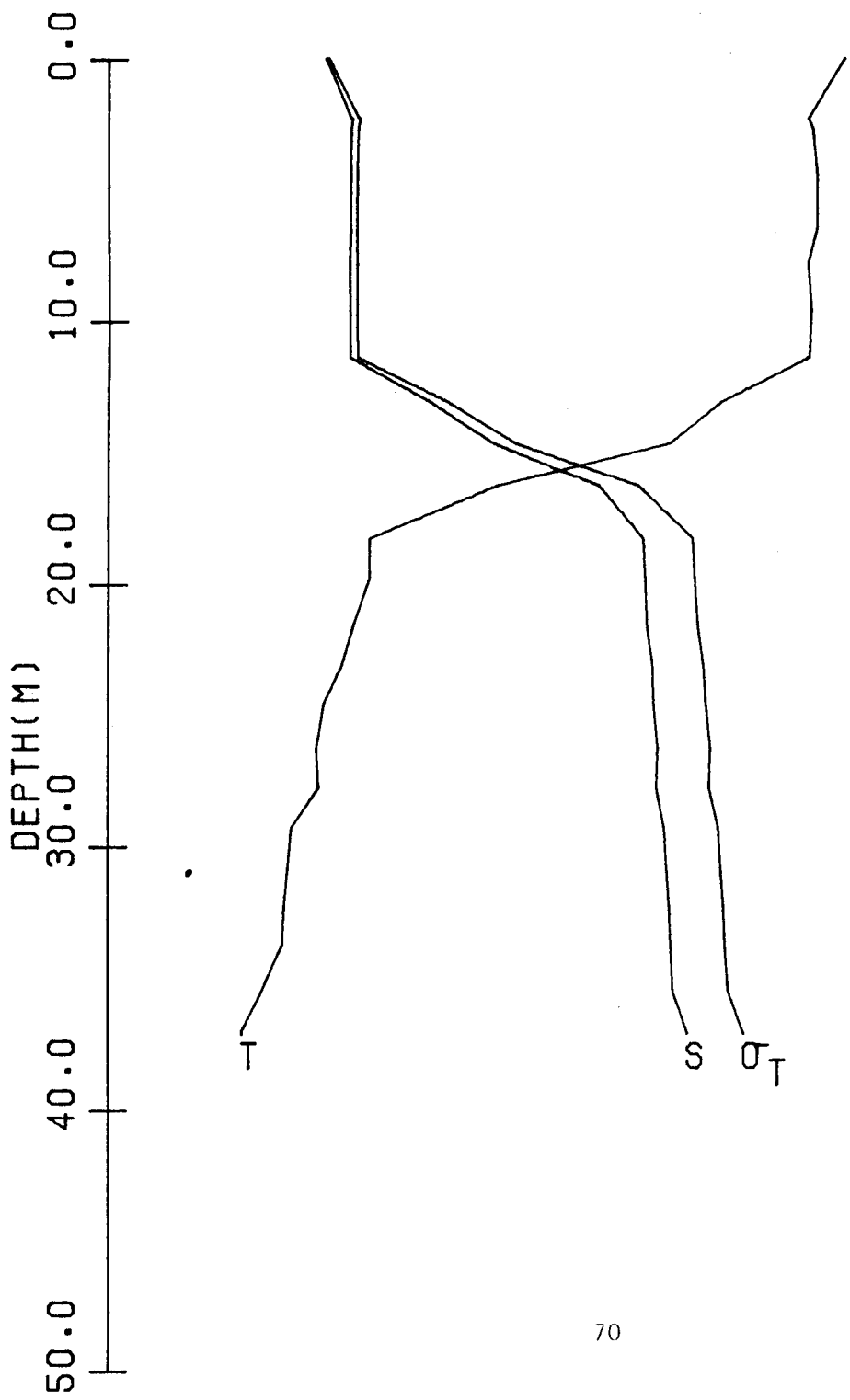
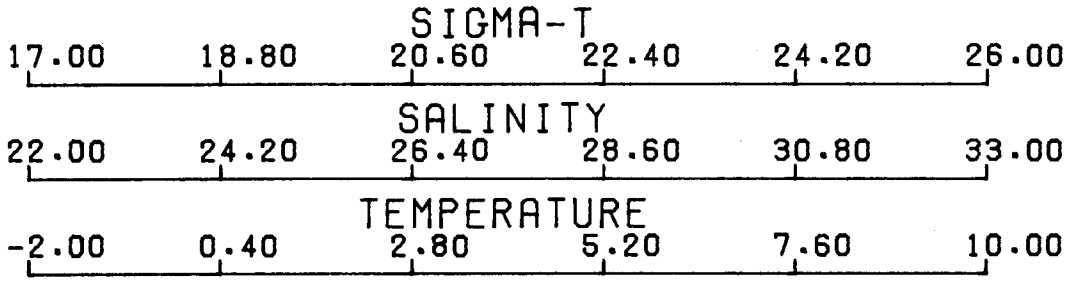
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6554 VISIT NUM 1 CONSECUTIVE NUM 95  
 LATITUDE 55 DEGREES 23.00 MINUTES  
 LONGITUDE 78 DEGREES 33.00 MINUTES  
 SOUNDING 120.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 230 DEG  
 TEMP DEPT 8.8 C TEMP WET 8.9 C  
 PRESSURE 1022.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
5 0	0.0	8.600	24.232	18.774
5 3	1.7	8.070	24.776	19.289
5 3	2.3	7.170	24.883	19.483
5 3	4.0	6.690	25.164	19.757
5 3	6.7	6.670	25.350	19.913
5 3	7.7	6.650	25.444	19.981
5 3	9.3	6.540	25.606	20.121
5 4	10.9	6.260	25.839	20.331
5 4	12.7	5.160	26.529	20.989
5 4	14.3	4.050	27.100	21.540
5 4	15.7	3.140	27.184	21.678
5 4	17.1	2.790	27.302	21.796
5 4	18.9	.870	27.699	22.220
5 4	20.4	-.240	28.156	22.626
5 4	22.0	-.500	28.337	22.827
5 4	23.4	-.630	28.759	23.122
5 4	25.0	-.730	28.883	23.224
5 4	26.6	-.890	29.121	23.420
5 4	28.0	-.900	29.284	23.553
5 4	29.0	-.240	29.453	23.676
5 4	30.0	-.220	29.570	23.789
5 4	33.7	-.100	29.667	23.865
5 4	35.5	-.130	29.798	23.971
5 4	37.1	-.170	29.935	24.014
5 4	39.7	-.220	29.935	24.101
5 4	43.1	-.150	30.247	24.331
5 4	48.1	-.200	30.368	24.433
5 6	56.3	-.280	30.648	24.661
5 6	60.0	-.270	30.833	24.815
5 6	63.0	-.280	30.934	24.892
5 6	69.3	-.1.270	31.038	24.976
5 6	73.3	-.1.290	31.115	25.039
5 6	77.2	-.1.330	31.272	25.167
5 7	86.7	-.1.360	31.388	25.261
5 7	91.7	-.1.400	31.486	25.341
5 7	95.7	-.1.410	31.509	25.360
5 7	100.7	-.1.420	31.551	25.403
5 7	105.7	-.1.430	31.599	25.434
5 8	110.7	-.1.460	31.727	25.538
5 8	113.7	-.1.480	31.790	25.589
5 8	114.7	-.1.480	31.790	25.589
5 8	114.7	-.1.470	31.808	25.604
5 8	114.7	-.1.480	31.819	25.613
5 8	115.2	-.1.460	31.827	25.619

S

STATION NO. 6568 1 96 MONTH 8 DAY 15



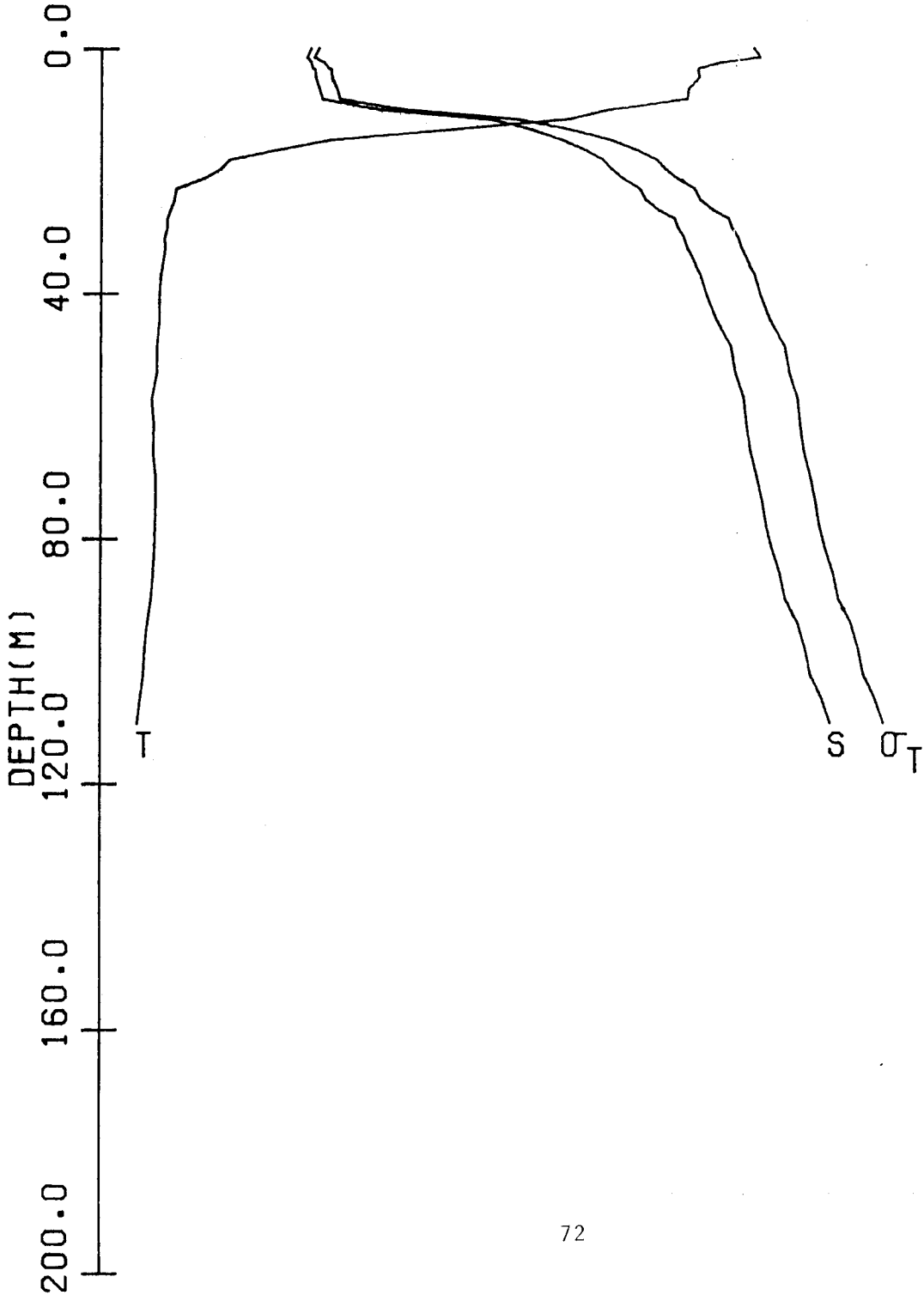
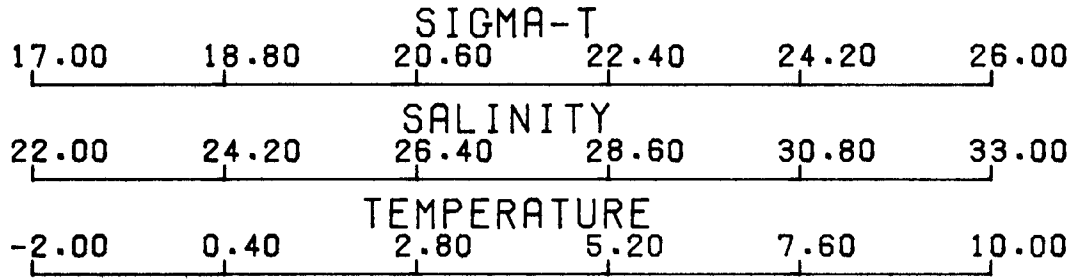
AREA SQUARE NUM 52076  
 DATE 3 MONTH 15 DAY  
 STATION NUM 6568 VISIT NUM 1 CONSECUTIVE NUM 96  
 LATITUDE 55 DEGREES 37.50 MINUTES  
 LONGITUDE 79 DEGREES 10.00 MINUTES  
 SOUNDING 40.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 280 DEG  
 TEMP OFY 9.0 C TEMP WET 7.5 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
740	0.0	9.000	24.704	19.242
746	2.2	7.530	25.006	19.536
746	2.3	7.510	25.031	19.558
746	2.7	7.570	25.012	19.536
746	4.4	7.630	25.011	19.528
746	6.5	7.630	25.110	19.527
746	7.8	7.510	24.995	19.530
747	9.6	7.550	24.999	19.528
747	11.4	7.530	25.002	19.533
747	13.1	6.340	25.098	20.450
747	14.7	5.630	26.797	21.153
747	16.3	3.270	28.113	22.406
747	18.3	1.540	28.656	22.961
747	19.8	1.540	28.685	22.976
747	21.7	1.310	28.714	23.011
747	23.1	1.170	28.775	23.067
747	24.6	.920	28.791	23.092
747	26.3	.820	28.841	23.137
747	27.8	.850	28.825	23.123
747	29.3	.480	28.924	23.218
747	31.0	.430	28.937	23.247
747	32.3	.380	28.989	23.274
748	33.7	.360	29.007	23.290
748	35.5	.080	29.036	23.323
748	37.0	-.190	29.208	23.471
748	37.1	-.190	29.222	23.482

S

STATION NO. 6567 1 97 MONTH 8 DAY 15



AREA SQUARE NUM 52075  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6567 VISIT NUM 1 CONSECUTIVE NUM 97  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 78 DEGREES 57.00 MINUTES  
 SOUNDING 118.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

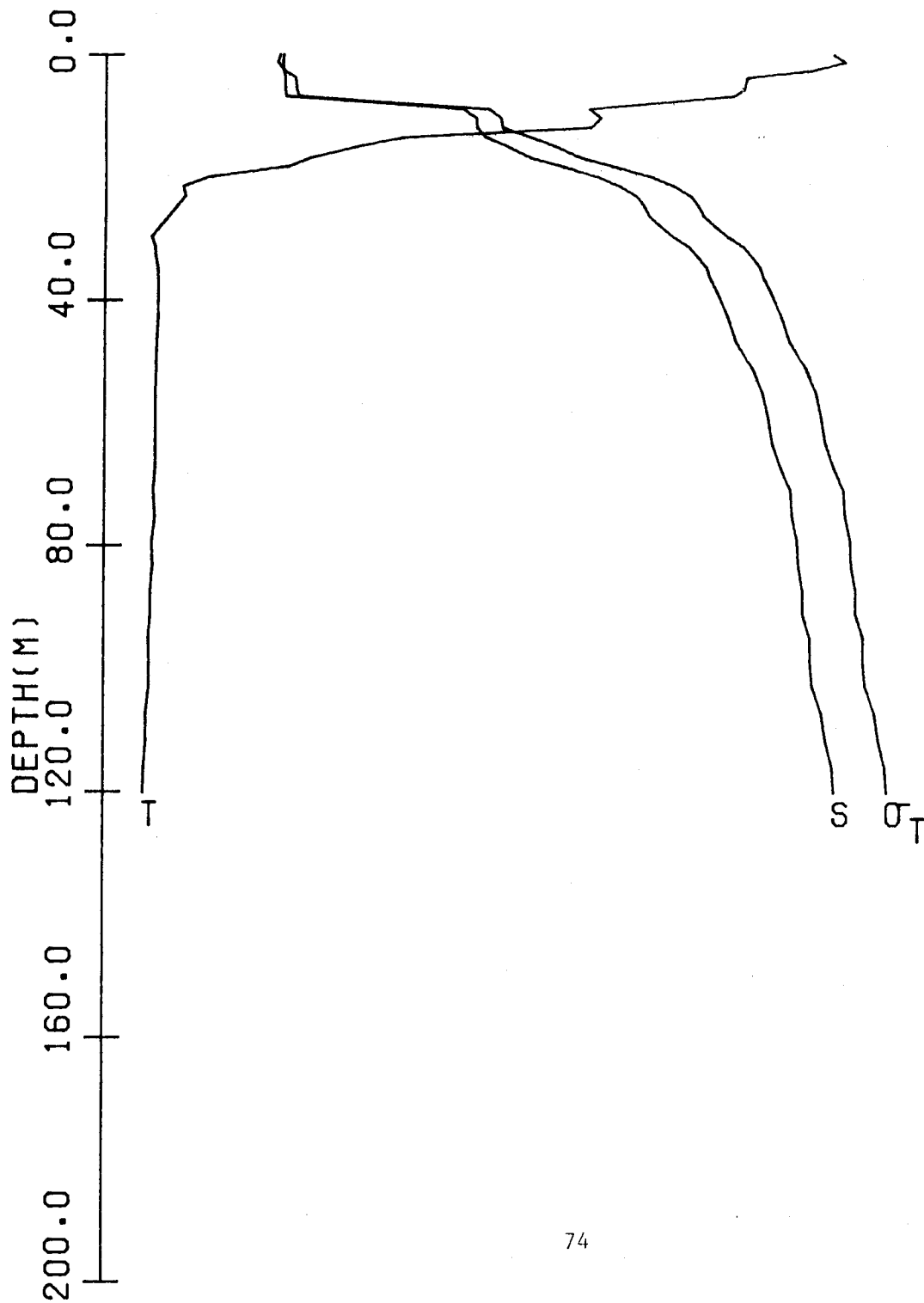
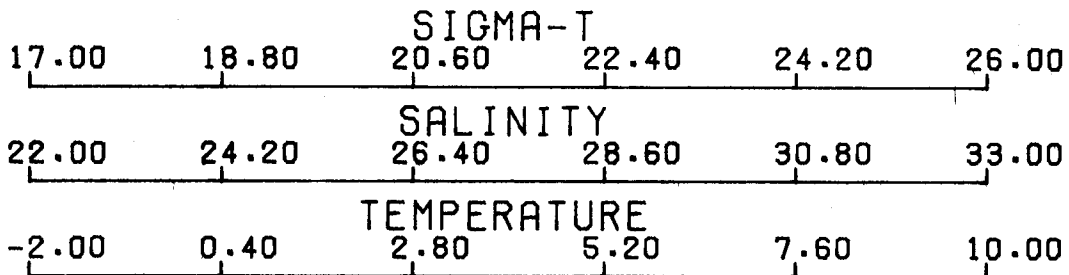
PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 182 DEG  
 TEMP DRY 7.6 C TEMP WET 7.4 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC N

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
842	0.0	7.500	24.731	19.372
853	1.5	7.590	24.739	19.320
853	2.3	7.010	24.735	19.432
854	3.2	6.690	24.313	19.482
854	3.6	6.680	24.951	19.513
854	4.8	6.700	24.837	19.516
854	6.6	6.540	24.905	19.571
854	8.3	6.520	24.943	19.603
854	10.1	5.390	25.727	20.336
854	11.6	4.800	27.193	21.547
854	13.3	3.100	27.740	22.122
854	15.0	1.300	28.134	22.572
854	16.7	.610	28.440	22.825
854	18.3	-.150	28.704	23.064
854	19.8	-.270	28.816	23.158
854	21.3	-.520	28.358	23.287
854	22.8	-.910	29.185	23.472
854	24.6	-.940	29.271	23.542
854	26.3	-1.000	29.444	23.683
855	27.9	-1.040	29.635	23.854
855	29.4	-1.040	29.698	23.889
855	31.0	-1.080	29.779	23.955
855	32.7	-1.070	29.932	24.093
855	34.2	-1.090	29.989	24.044
855	35.5	-1.110	29.937	24.083
855	37.0	-1.130	30.000	24.134
855	40.0	-1.150	30.089	24.207
856	44.0	-1.150	30.218	24.311
856	48.0	-1.190	30.416	24.472
856	53.0	-1.190	30.472	24.517
856	57.2	-1.260	30.584	24.609
856	61.6	-1.230	30.623	24.640
856	65.9	-1.240	30.675	24.682
857	70.0	-1.200	30.752	24.752
857	74.1	-1.200	30.333	24.809
857	78.1	-1.210	30.884	24.850
857	81.8	-1.220	30.966	24.917
857	86.0	-1.240	31.071	25.002
857	90.1	-1.270	31.143	25.061
858	94.1	-1.320	31.310	25.197
858	98.2	-1.360	31.409	25.276
858	102.3	-1.370	31.475	25.332
858	106.2	-1.420	31.628	25.457
858	110.2	-1.460	31.741	25.549

S



STATION NO. 6566 1 98 MONTH 8 DAY 15



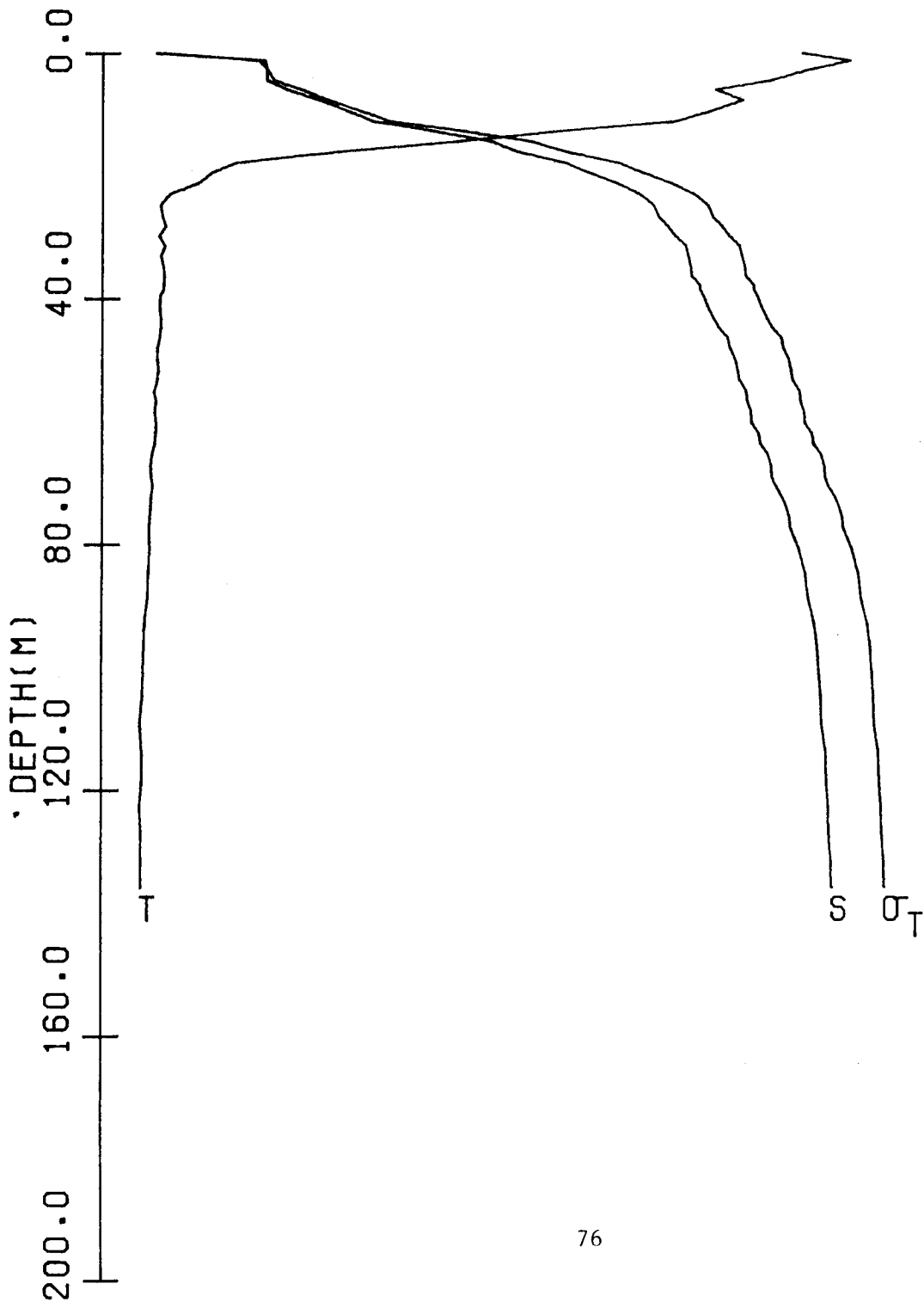
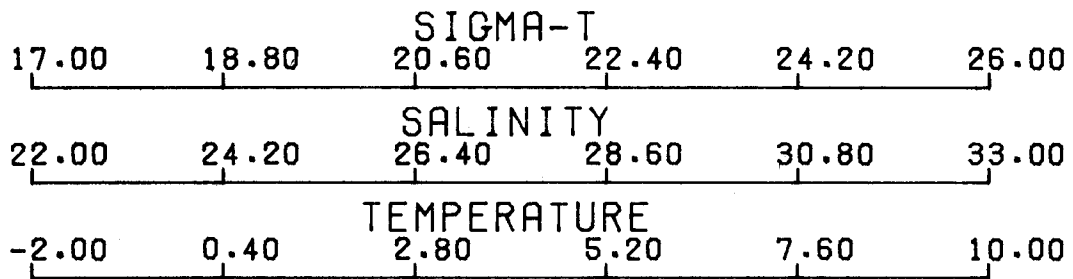
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6566 VISIT NUM 1 CONSECUTIVE NUM 96  
 LATITUDE 55 DEGREES 30.50 MINUTES  
 LONGITUDE 78 DEGREES 42.00 MINUTES  
 SOUNDING 126.0 METRES SNOW THICKNESS 04  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 220 DEG  
 TEMP DRY 8.0 C TEMP WET 7.5 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M  
 SECCHI DISC 10.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PT.)	SIGMAT
9 51	0.0	8.600	24.358	18.895
9 59	1.2	8.770	24.353	18.869
9 59	2.6	9.280	24.360	18.938
9 59	3.8	7.330	24.375	19.066
9 59	5.7	7.290	24.379	19.074
9 59	6.8	7.150	24.388	19.097
9 59	8.0	5.030	26.767	21.189
9 59	10.4	5.200	26.942	21.311
9 59	11.9	5.060	26.944	21.326
9 59	13.7	5.360	27.064	21.535
9 59	15.0	1.650	27.361	21.912
9 59	16.8	.960	27.674	22.196
9 59	18.2	.670	28.069	22.525
9 59	20.0	.510	28.563	22.961
10 00	21.5	.880	29.856	23.306
10 00	23.1	.850	29.084	23.389
10 00	24.8	.970	29.185	23.473
10 00	26.4	-1.090	29.257	23.533
10 00	28.0	-1.210	29.404	23.654
10 00	29.7	-1.330	29.579	23.798
10 00	31.4	-1.280	29.790	23.868
10 00	33.0	-1.270	29.909	24.064
10 11	34.7	-1.240	30.023	24.155
10 11	36.5	-1.230	30.070	24.193
10 11	38.8	-1.230	30.157	24.263
10 11	38.8	-1.230	30.171	24.275
10 11	42.8	-1.230	30.315	24.391
10 11	46.7	-1.250	30.420	24.476
10 11	51.2	-1.260	30.646	24.659
10 11	55.2	-1.270	30.784	24.771
10 11	59.2	-1.270	30.955	24.828
10 22	63.4	-1.270	30.911	24.874
10 22	67.4	-1.270	31.026	24.967
10 22	71.1	-1.290	31.160	25.075
10 22	75.4	-1.270	31.182	25.093
10 33	79.4	-1.310	31.250	25.149
10 33	83.4	-1.300	31.266	25.161
10 33	87.4	-1.330	31.323	25.208
10 33	91.2	-1.330	31.323	25.205
10 33	95.1	-1.360	31.424	25.296
10 33	99.0	-1.350	31.426	25.292
10 44	102.0	-1.350	31.454	25.314
10 44	107.3	-1.390	31.581	25.416
10 44	111.8	-1.390	31.637	25.463
10 44	116.1	-1.420	31.725	25.535
10 44	120.2	-1.430	31.749	25.555

S

STATION NO. 6565 1 99 MONTH 8 DAY 15

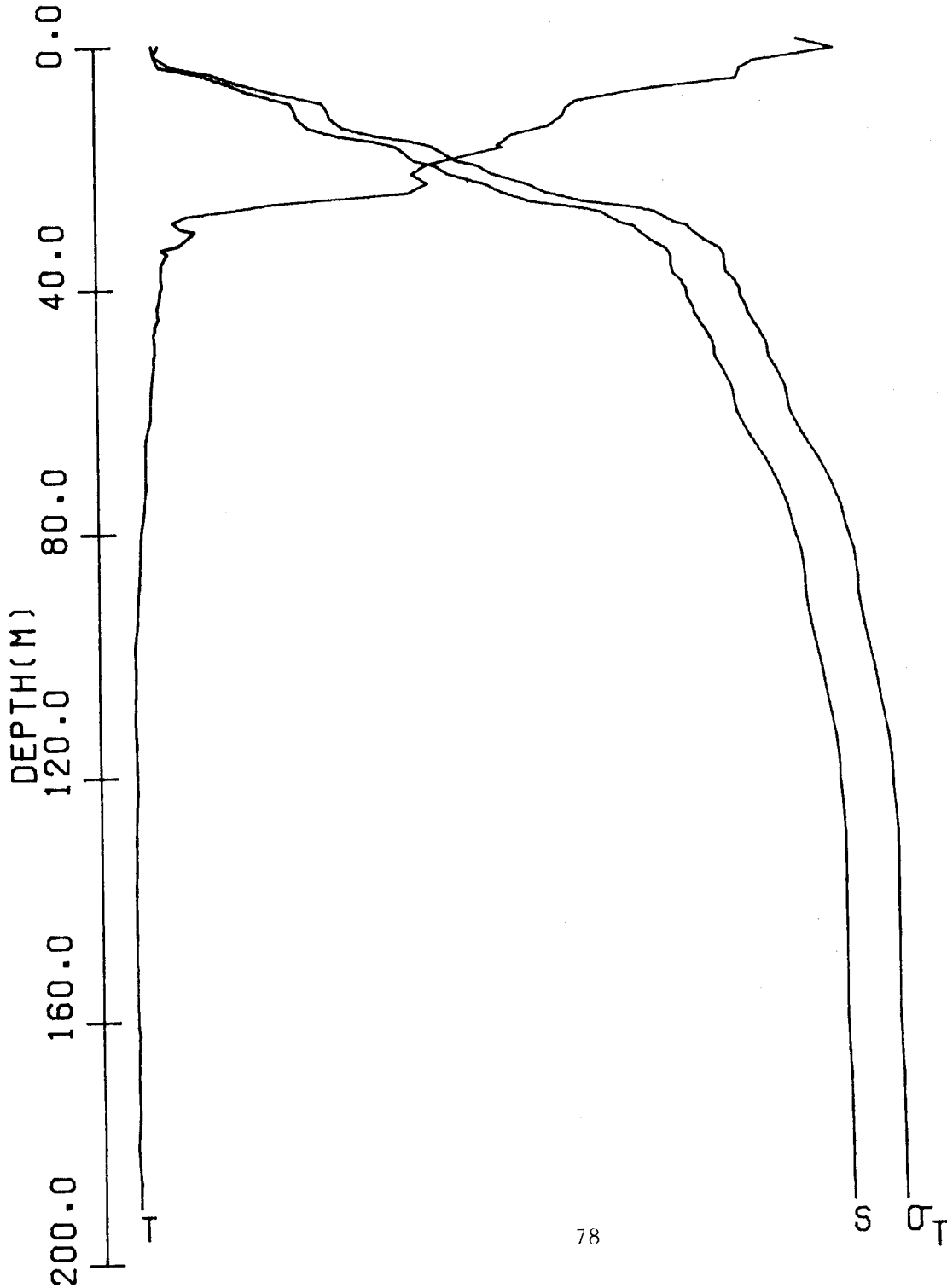
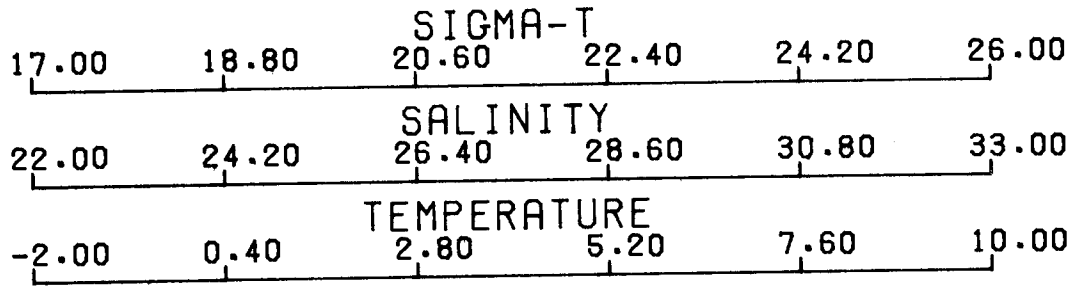


AREA SQUARE NUM 56076  
 DATE 9 MCNTH 15 DAY  
 STATION NUM 6600 VISIT NUM 1 CONSECUTIVE NUM 39  
 LATITUDE 55 DEGREES 30 MINUTES  
 LONGITUDE 175 DEGREES 00 MINUTES  
 WIND SPEED 17.5 METERS PER SECOND  
 WAVE PERIOD 13.7 SECONDS  
 WAVE HEIGHT 7.6 METERS  
 WAVE DIRECTION 199 DEGREES  
 WAVE PERIOD 13.7 SECONDS  
 WAVE HEIGHT 7.6 METERS  
 WAVE DIRECTION 199 DEGREES  
 MV PETREL, GUILDLINE MARK III 40-448  
 1

PROFILE NUM 1  
 WIND SPEED 17.5 KNTS  
 WAVE PERIOD 13.7 M  
 WAVE HEIGHT 7.6 M  
 WAVE DIRECTION 199 DEG  
 WAVE PERIOD 13.7 M  
 WAVE HEIGHT 7.6 M  
 WAVE DIRECTION 199 DEG

TIME (G.T.)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
10 53	0.0	8.200	22.713	17.664
11 00	1.0	8.900	24.159	18.707
11 00	2.0	9.300	24.187	18.801
11 00	4.0	7.720	24.190	18.875
11 00	6.0	6.930	24.455	19.175
11 00	7.7	7.330	24.499	19.468
11 00	9.7	6.900	24.309	19.850
11 11	11.2	5.460	24.530	20.128
11 11	12.4	5.640	24.413	20.346
11 11	14.4	5.170	24.195	20.577
11 11	16.4	4.440	24.531	20.859
11 11	18.4	3.060	24.172	21.111
11 11	19.4	2.410	24.484	21.295
11 11	21.4	1.610	24.270	21.411
11 11	22.4	1.020	24.163	21.556
11 11	24.4	1.160	24.356	21.619
11 11	26.4	1.120	24.330	21.674
11 11	28.4	1.080	24.549	21.769
11 11	30.4	1.180	24.550	21.859
11 11	32.4	1.190	24.789	21.963
11 11	34.4	1.150	24.919	22.089
11 11	36.4	1.110	24.850	22.211
11 11	38.4	1.100	24.960	22.327
11 11	40.4	1.110	24.979	22.417
11 11	42.4	1.110	24.979	22.477
11 11	44.4	1.110	24.979	22.516
11 11	46.4	1.110	24.979	22.556
11 11	48.4	1.110	24.979	22.601
11 11	50.4	1.110	24.979	22.655
11 11	52.4	1.110	24.979	22.704
11 11	54.4	1.110	24.979	22.744
11 11	56.4	1.110	24.979	22.784
11 11	58.4	1.110	24.979	22.828
11 11	60.4	1.110	24.979	22.868
11 11	62.4	1.110	24.979	22.908
11 11	64.4	1.110	24.979	22.948
11 11	66.4	1.110	24.979	22.988
11 11	68.4	1.110	24.979	23.028
11 11	70.4	1.110	24.979	23.068
11 11	72.4	1.110	24.979	23.108
11 11	74.4	1.110	24.979	23.148
11 11	76.4	1.110	24.979	23.188
11 11	78.4	1.110	24.979	23.228
11 11	80.4	1.110	24.979	23.268
11 11	82.4	1.110	24.979	23.308
11 11	84.4	1.110	24.979	23.348
11 11	86.4	1.110	24.979	23.388
11 11	88.4	1.110	24.979	23.428
11 11	90.4	1.110	24.979	23.468
11 11	92.4	1.110	24.979	23.508
11 11	94.4	1.110	24.979	23.548
11 11	96.4	1.110	24.979	23.588
11 11	98.4	1.110	24.979	23.628
11 11	100.4	1.110	24.979	23.668

STATION NO. 6564 1 100 MONTH 8 DAY 15

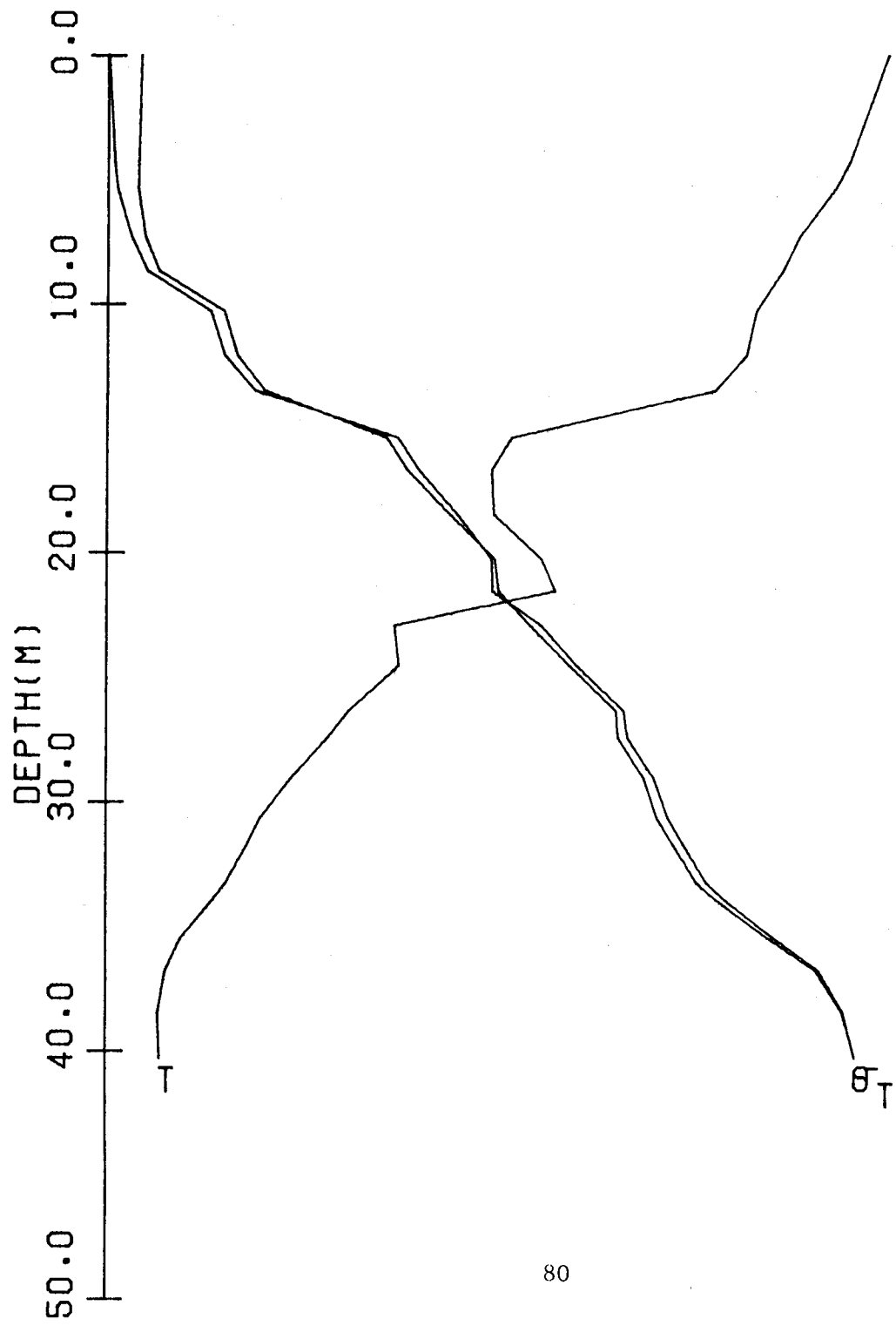
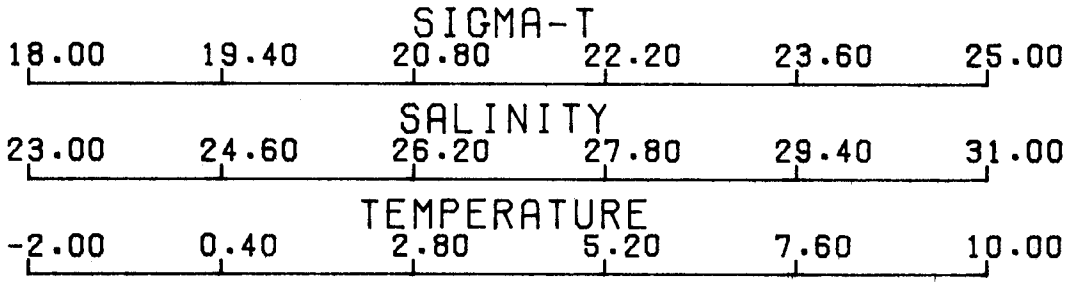


AREA SQUARE NUM F2075  
 DATE 8 MCNTH 15 DAY  
 STATION NUM 6564 VISIT NUM 1 CONSECUTIVE NUM 100  
 LATITUDE 55 55 00 N LONGITUDE 178 00 00 W  
 SNOW THICKNESS METERS 17.00 METERS  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 210 DEG  
 TEMP SURF 8.5 C TEMP WHT 8.3 DEG  
 PRESSURE 1021.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 7.0 M SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
1117	0.0	8.300	22.776	17.701
1117	0.1	8.200	22.776	17.701
1117	0.2	8.100	22.776	17.701
1117	0.3	8.000	22.776	17.701
1117	0.4	7.900	22.776	17.701
1117	0.5	7.800	22.776	17.701
1117	0.6	7.700	22.776	17.701
1117	0.7	7.600	22.776	17.701
1117	0.8	7.500	22.776	17.701
1117	0.9	7.400	22.776	17.701
1117	1.0	7.300	22.776	17.701
1117	1.1	7.200	22.776	17.701
1117	1.2	7.100	22.776	17.701
1117	1.3	7.000	22.776	17.701
1117	1.4	6.900	22.776	17.701
1117	1.5	6.800	22.776	17.701
1117	1.6	6.700	22.776	17.701
1117	1.7	6.600	22.776	17.701
1117	1.8	6.500	22.776	17.701
1117	1.9	6.400	22.776	17.701
1117	2.0	6.300	22.776	17.701
1117	2.1	6.200	22.776	17.701
1117	2.2	6.100	22.776	17.701
1117	2.3	6.000	22.776	17.701
1117	2.4	5.900	22.776	17.701
1117	2.5	5.800	22.776	17.701
1117	2.6	5.700	22.776	17.701
1117	2.7	5.600	22.776	17.701
1117	2.8	5.500	22.776	17.701
1117	2.9	5.400	22.776	17.701
1117	3.0	5.300	22.776	17.701
1117	3.1	5.200	22.776	17.701
1117	3.2	5.100	22.776	17.701
1117	3.3	5.000	22.776	17.701
1117	3.4	4.900	22.776	17.701
1117	3.5	4.800	22.776	17.701
1117	3.6	4.700	22.776	17.701
1117	3.7	4.600	22.776	17.701
1117	3.8	4.500	22.776	17.701
1117	3.9	4.400	22.776	17.701
1117	4.0	4.300	22.776	17.701
1117	4.1	4.200	22.776	17.701
1117	4.2	4.100	22.776	17.701
1117	4.3	4.000	22.776	17.701
1117	4.4	3.900	22.776	17.701
1117	4.5	3.800	22.776	17.701
1117	4.6	3.700	22.776	17.701
1117	4.7	3.600	22.776	17.701
1117	4.8	3.500	22.776	17.701
1117	4.9	3.400	22.776	17.701
1117	5.0	3.300	22.776	17.701
1117	5.1	3.200	22.776	17.701
1117	5.2	3.100	22.776	17.701
1117	5.3	3.000	22.776	17.701
1117	5.4	2.900	22.776	17.701
1117	5.5	2.800	22.776	17.701
1117	5.6	2.700	22.776	17.701
1117	5.7	2.600	22.776	17.701
1117	5.8	2.500	22.776	17.701
1117	5.9	2.400	22.776	17.701
1117	6.0	2.300	22.776	17.701
1117	6.1	2.200	22.776	17.701
1117	6.2	2.100	22.776	17.701
1117	6.3	2.000	22.776	17.701
1117	6.4	1.900	22.776	17.701
1117	6.5	1.800	22.776	17.701
1117	6.6	1.700	22.776	17.701
1117	6.7	1.600	22.776	17.701
1117	6.8	1.500	22.776	17.701
1117	6.9	1.400	22.776	17.701
1117	7.0	1.300	22.776	17.701
1117	7.1	1.200	22.776	17.701
1117	7.2	1.100	22.776	17.701
1117	7.3	1.000	22.776	17.701
1117	7.4	0.900	22.776	17.701
1117	7.5	0.800	22.776	17.701
1117	7.6	0.700	22.776	17.701
1117	7.7	0.600	22.776	17.701
1117	7.8	0.500	22.776	17.701
1117	7.9	0.400	22.776	17.701
1117	8.0	0.300	22.776	17.701
1117	8.1	0.200	22.776	17.701
1117	8.2	0.100	22.776	17.701
1117	8.3	0.000	22.776	17.701

STATION NO. 6563 1 101 MONTH 8 DAY 15



AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6563 VISIT NUM 1 CONSECUTIVE NUM 101  
 LATITUDE 55 DEGREES 19.50 MINUTES  
 LONGITUDE 78 DEGREES 3.50 MINUTES  
 SOUNDING 45.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

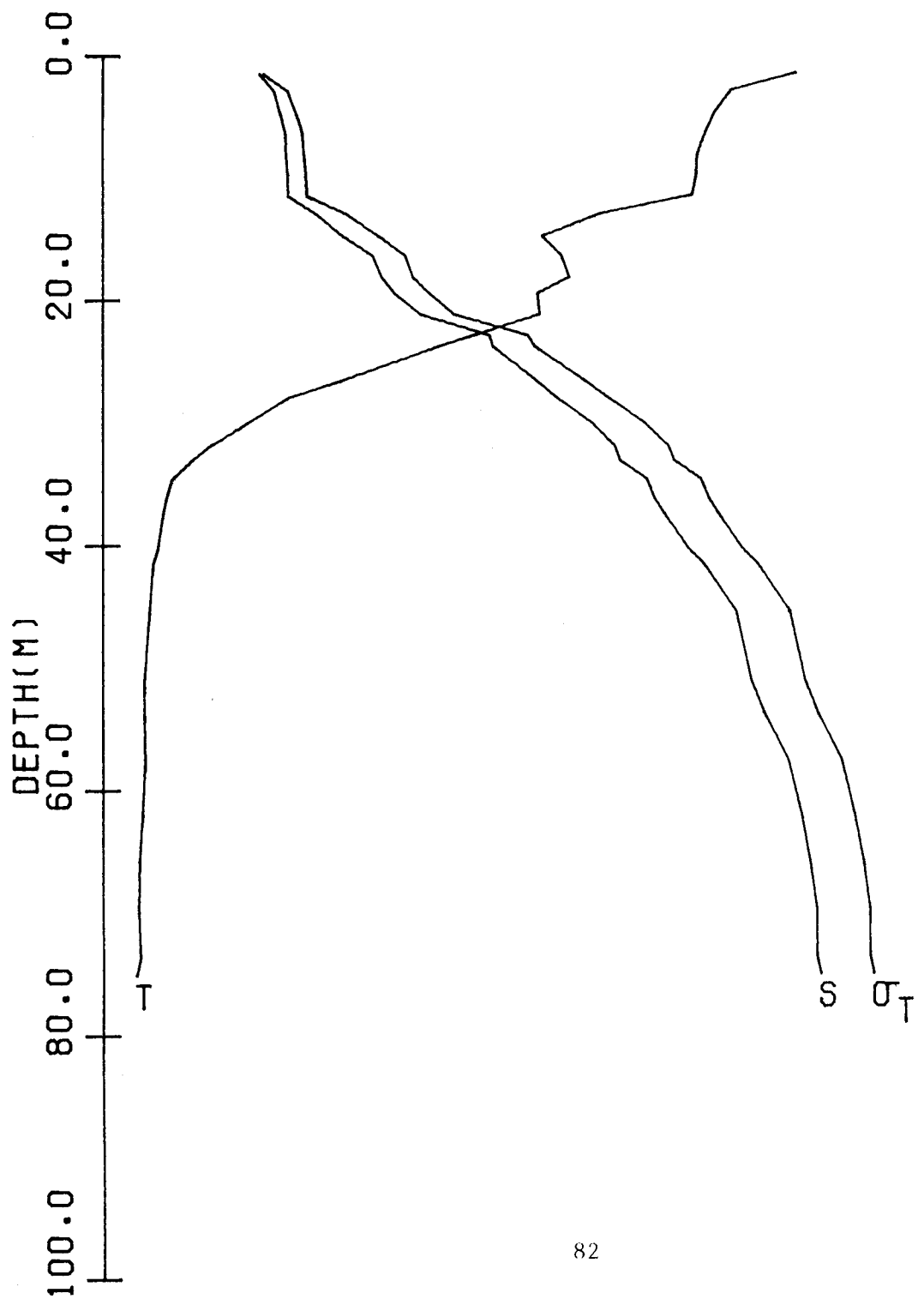
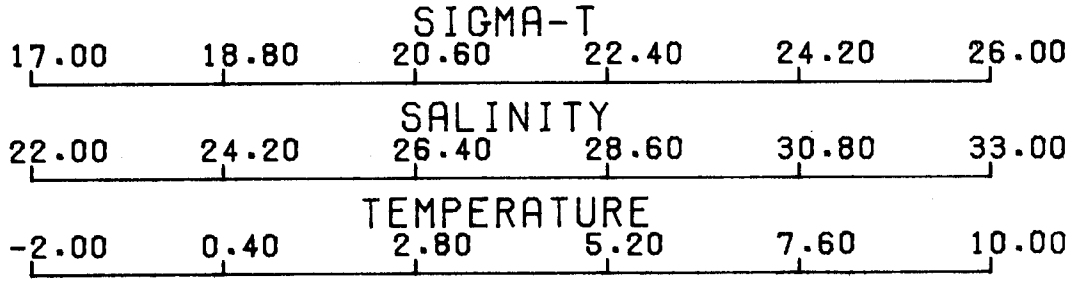
PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 200 DEG  
 TEMP DRY 8.6 C TEMP WET 8.4 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT 3 M SWELL DIR M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1318	0.0	9.200	23.316	18.004
1321	4.3	8.650	23.288	18.055
1322	5.4	8.440	23.286	18.081
1322	7.3	7.930	23.351	18.195
1322	8.7	7.690	23.489	18.331
1322	10.3	7.310	24.107	18.859
1322	12.1	7.170	24.237	18.977
1322	13.5	6.720	24.499	19.233
1322	15.4	3.790	25.665	20.425
1322	16.7	3.510	25.362	20.602
1322	18.5	3.540	26.273	20.926
1322	20.3	4.230	26.704	21.212
1322	21.6	4.430	26.737	21.221
1322	23.0	2.120	27.044	21.633
1322	24.6	2.180	27.422	21.931
1323	26.4	1.460	27.858	22.327
1323	27.5	1.150	27.990	22.360
1323	29.1	.630	28.141	22.584
1323	30.7	.190	28.269	22.703
1323	31.8	0.000	28.430	22.839
1323	33.3	-.300	28.654	23.028
1323	34.1	-.520	28.837	23.213
1323	35.5	-.940	29.337	23.595
1324	36.8	-1.160	29.737	23.971
1324	38.5	-1.260	30.056	24.182
1324	40.3	-1.230	30.170	24.274

S



STATION NO. 6562 1 102 MONTH 8 DAY 15

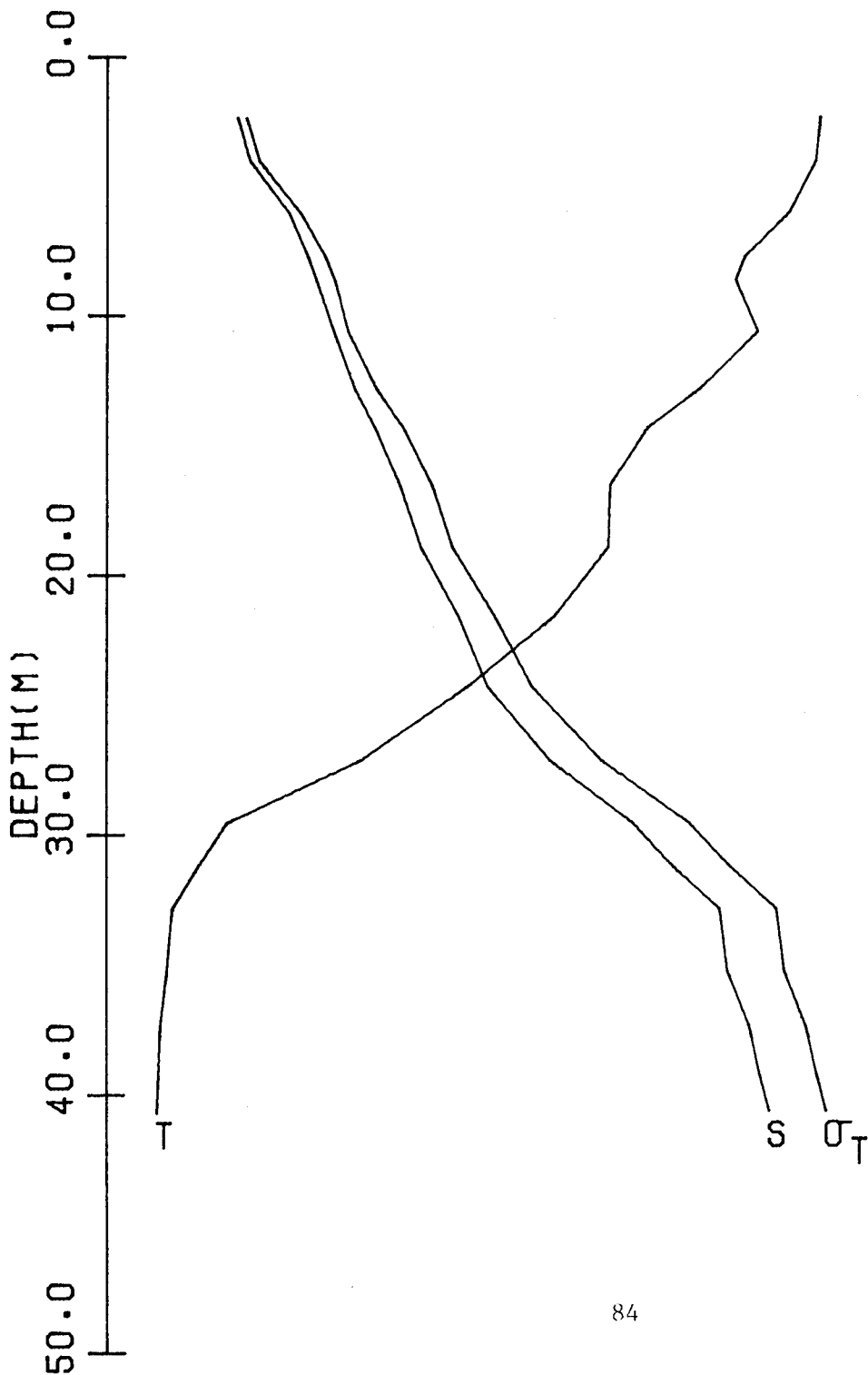
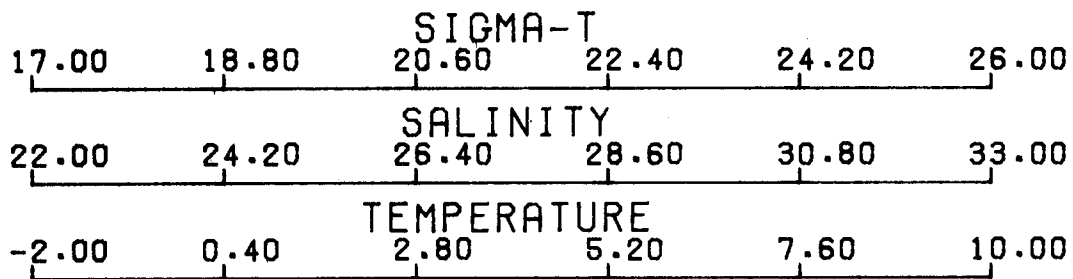


AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6562 VISIT NUM 1 CONSECUTIVE NUM 102  
 LATITUDE 55 DEGREES 17.53 MINUTES  
 LONGITUDE 77 DEGREES 54.83 MINUTES  
 SOUNDING 89.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 230 DEG  
 TEMP DRY 8.6 C TEMP WET 8.4 C  
 PRESSURE 1020.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
14 3	1.6	8.090	24.091	18.753
14 3	3.0	7.140	24.237	19.020
14 3	4.4	6.900	24.365	19.108
14 3	6.4	6.770	24.434	19.176
14 3	8.3	6.640	24.440	19.195
14 3	9.9	6.530	24.462	19.214
14 3	11.6	6.570	24.470	19.226
14 3	13.1	6.230	24.455	19.264
14 3	14.9	4.380	25.207	20.016
14 3	16.5	4.670	25.601	20.302
14 3	18.3	4.790	25.724	20.389
14 3	19.6	4.320	25.393	20.566
14 3	21.3	4.360	25.243	20.836
14 3	23.0	4.000	27.164	21.643
14 4	23.9	2.880	27.209	21.716
14 4	26.7	1.450	27.796	22.270
14 4	28.0	.700	28.051	22.509
14 4	30.1	.090	28.527	22.914
14 4	32.0	-.460	28.835	23.179
14 4	33.2	-.730	28.906	23.243
14 4	34.7	-1.010	28.926	23.536
14 4	36.3	-1.090	28.938	23.623
14 4	37.5	-1.130	28.949	23.724
14 4	40.4	-1.210	28.931	23.988
14 4	41.6	-1.280	30.016	24.150
14 5	45.6	-1.330	30.458	24.509
14 5	51.2	-1.400	30.657	24.671
14 5	53.9	-1.400	30.932	24.812
14 5	57.7	-1.390	31.156	25.074
14 5	62.0	-1.430	31.327	25.213
14 5	65.9	-1.470	31.446	25.311
14 6	69.8	-1.480	31.537	25.384
14 6	73.7	-1.460	31.542	25.388
14 6	75.1	-1.520	31.591	25.429

STATION NO. 6561 1 103 MONTH 8 DAY 15

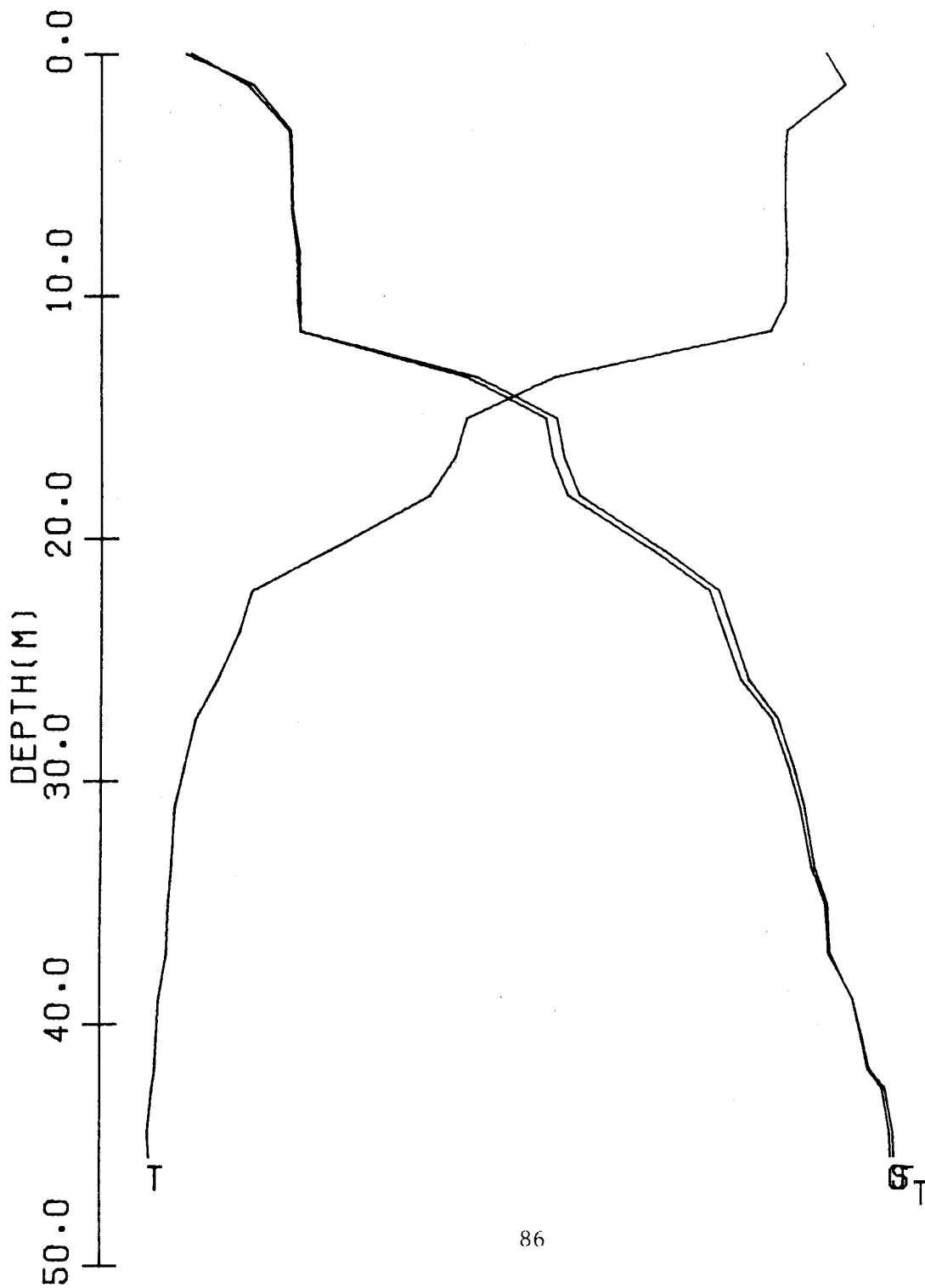
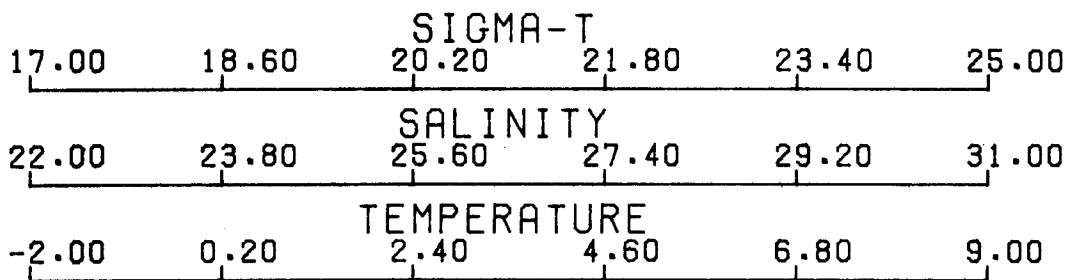


AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6561 VISIT NUM 1 CONSECUTIVE NUM 103  
 LATITUDE 55 DEGREES 16.50 MINUTES  
 LONGITUDE 77 DEGREES 50.50 MINUTES  
 SOUNDING 46.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 230 DEG  
 TEMP CFY 9.7 C TEMP WET 8.5 C  
 PRESSURE 1020.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1455	2.4	7.810	23.643	18.437
1455	4.1	7.750	23.805	18.571
1455	6.1	7.380	24.294	18.997
1456	7.8	6.770	24.533	19.254
1456	8.7	6.640	24.638	19.350
1456	10.7	6.950	24.357	19.487
1456	12.9	6.150	25.121	19.782
1456	14.4	5.430	25.379	20.057
1456	16.6	4.910	25.633	20.353
1456	19.0	4.890	25.359	20.565
1456	21.7	4.140	26.432	21.004
1456	24.4	2.940	26.802	21.389
1456	27.2	1.470	27.592	22.106
1456	29.6	-.360	29.628	23.009
1456	31.3	-.760	29.150	23.440
1456	32.0	-1.110	29.735	23.920
1456	35.3	-1.180	29.333	24.000
1456	37.4	-1.270	30.110	24.226
1457	39.3	-1.290	30.246	24.336
1457	40.7	-1.310	30.367	24.435

STATION NO. 6611 1 104 MONTH 8 DAY 15



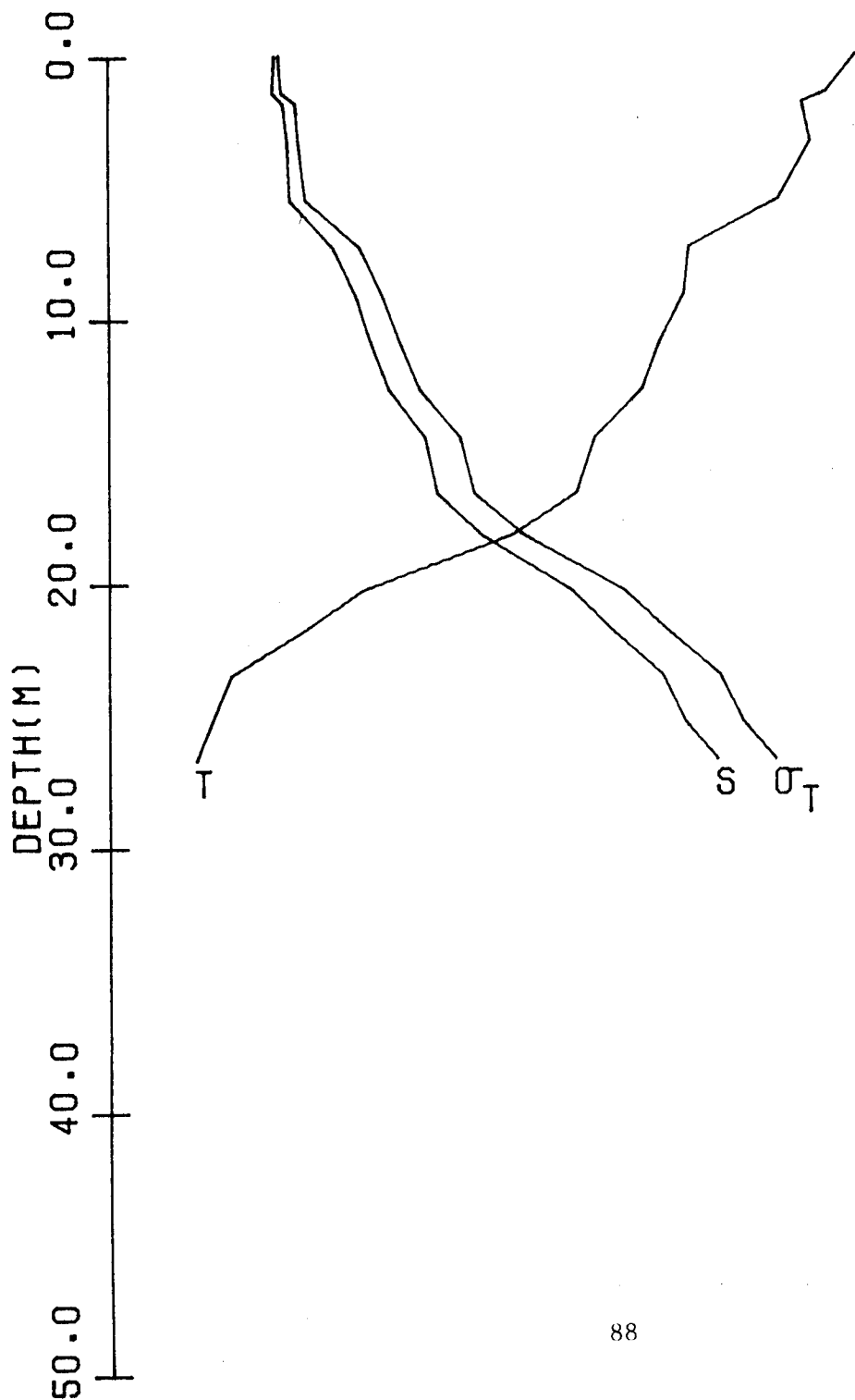
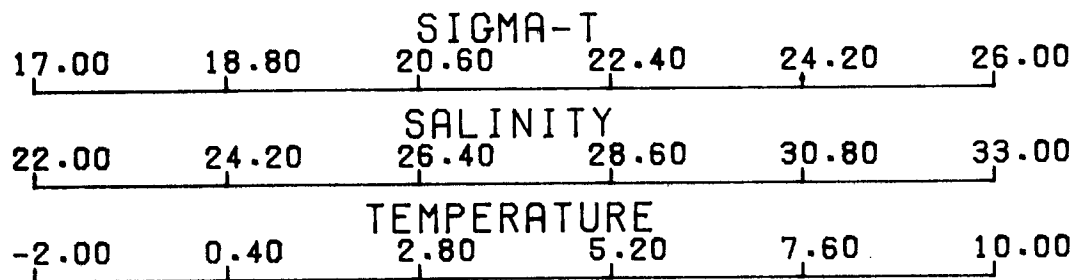
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6611 VISIT NUM 1 CONSECUTIVE NUM 104  
 LATITUDE 55 DEGREES 25.30 MINUTES  
 LONGITUDE 77 DEGREES 39.00 MINUTES  
 SOUNDING 51.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 240 DEG  
 TEMP DRY 10.0 C TEMP WET 8.4 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1815	0.0	7.800	22.940	17.890
1817	1.3	8.060	23.683	18.438
1817	3.2	7.270	24.032	18.852
1817	4.3	7.250	24.106	18.865
1817	6.5	7.250	24.115	18.872
1817	8.2	7.270	24.190	18.929
1817	10.3	7.260	24.196	18.935
1817	11.5	7.060	24.201	18.961
1817	13.4	4.140	26.054	20.705
1818	15.1	2.950	26.937	21.495
1818	16.7	2.800	27.012	21.565
1818	18.3	2.450	27.180	21.721
1818	20.5	1.650	28.165	22.569
1818	22.2	.050	28.750	23.095
1818	23.9	-.120	28.910	23.229
1818	25.9	-.420	29.096	23.388
1818	27.5	-.720	29.442	23.675
1818	29.5	-.880	29.626	23.827
1818	31.1	-1.000	29.743	23.924
1818	33.6	-1.040	29.869	24.027
1818	35.1	-1.080	30.022	24.151
1818	37.1	-1.100	30.056	24.179
1818	39.0	-1.210	30.335	24.399
1818	40.8	-1.240	30.428	24.482
1819	41.9	-1.260	30.506	24.540
1819	42.7	-1.300	30.677	24.685
1819	44.5	-1.360	30.766	24.756
1819	45.5	-1.340	30.775	24.765

S

STATION NO. 6612 1 105 MONTH 8 DAY 15



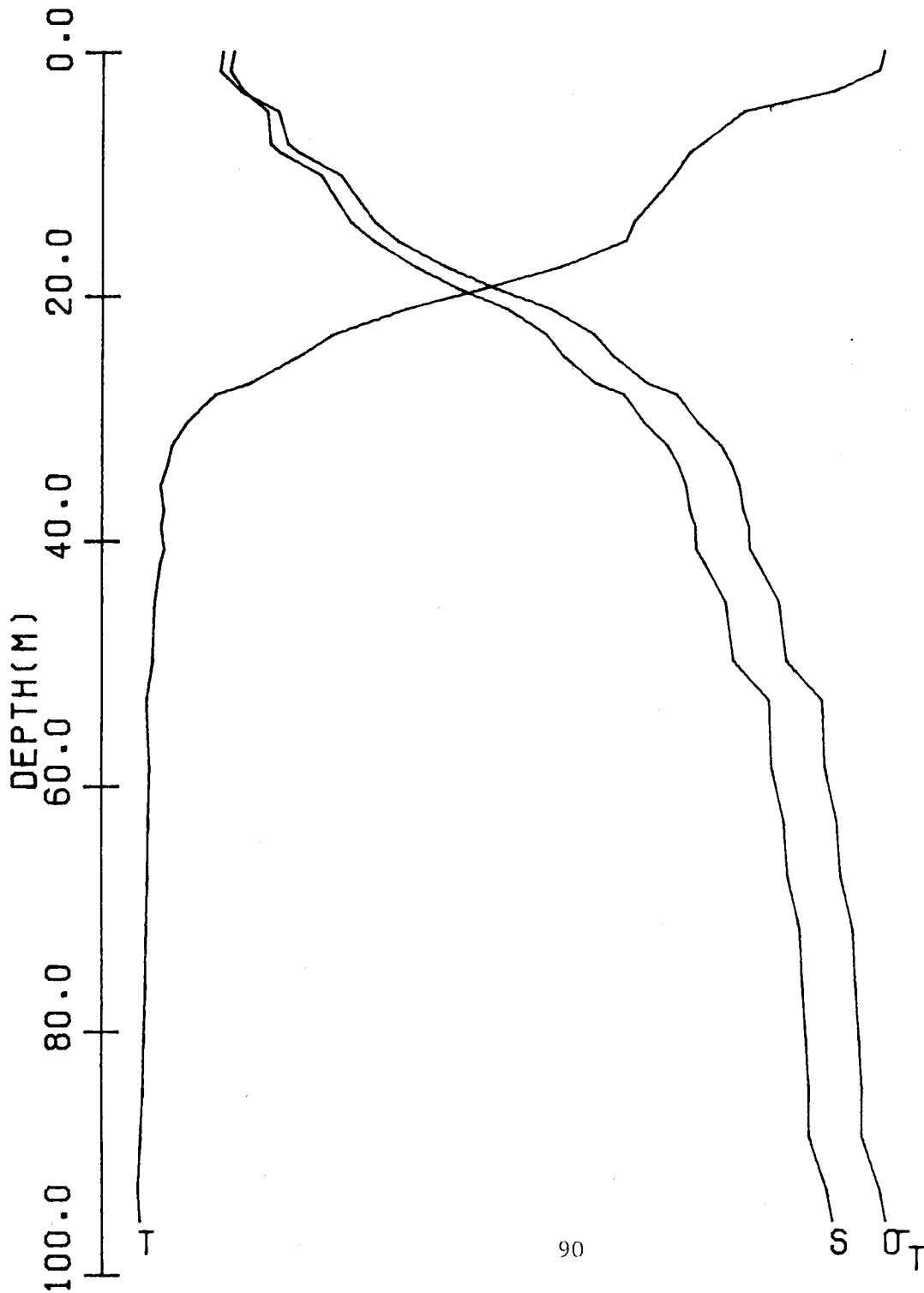
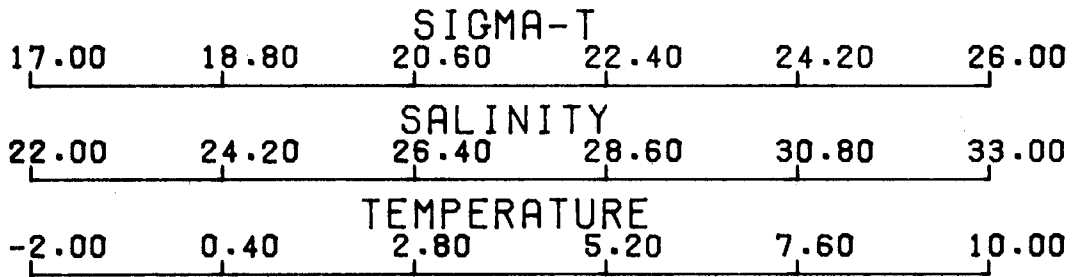
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6612 VISIT NUM 1 CONSECUTIVE NUM 105  
 LATITUDE 55 DEGREES 26.50 MINUTES  
 LONGITUDE 77 DEGREES 40.00 MINUTES  
 SOUNDING 31.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 240 DEG  
 TEMP DRY 10.5 C TEMP WET 9.8 C  
 PRESSURE 1017.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1845	0.0	8.100	24.050	18.719
1848	1.4	7.700	24.028	18.751
1848	1.8	7.370	24.157	18.891
1848	3.3	7.480	24.213	18.922
1848	5.5	7.040	24.241	18.995
1848	7.7	5.830	24.777	19.544
1849	9.1	5.760	25.051	19.767
1849	10.9	5.430	25.238	19.946
1849	12.7	5.190	25.467	20.149
1849	14.5	4.550	25.913	20.556
1849	16.3	4.300	26.061	20.697
1849	18.2	3.420	26.621	21.211
1849	20.3	1.390	27.733	22.223
1849	21.8	.620	28.223	22.650
1849	23.5	-.370	28.953	23.191
1849	25.3	-.640	29.137	23.427
1849	26.7	-.840	29.531	23.749



STATION NO. 6613 1 106 MONTH 8 DAY 15



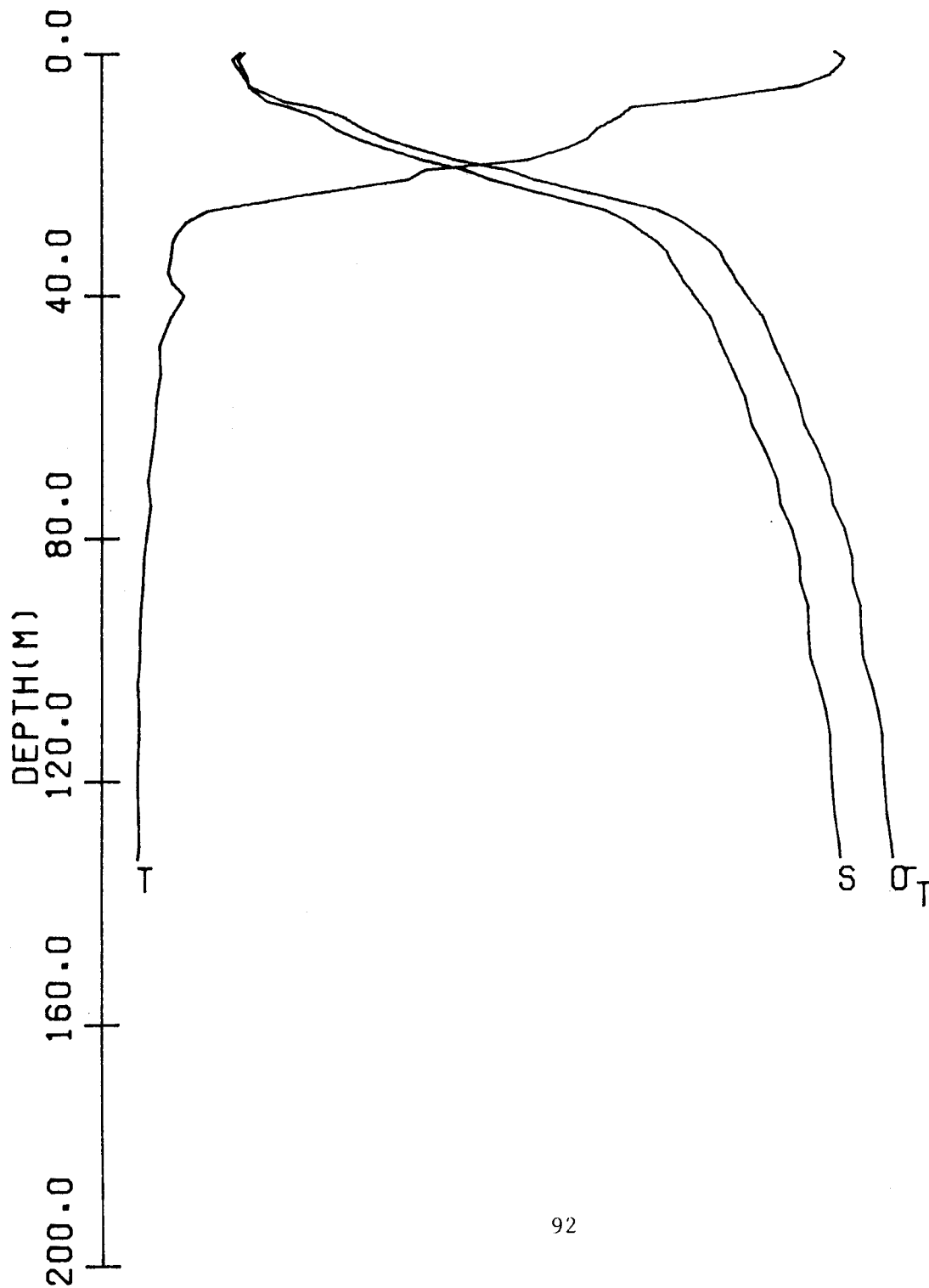
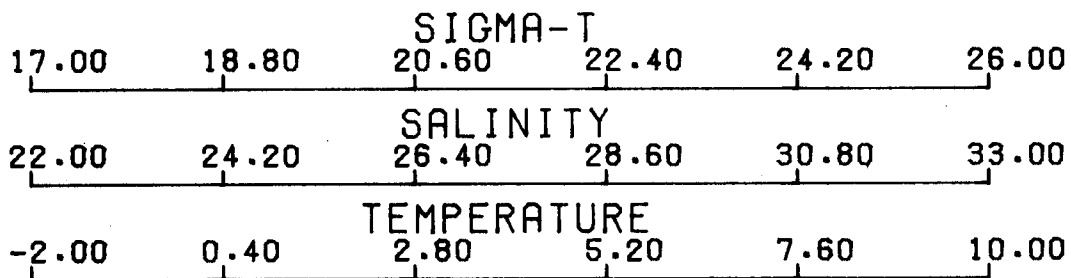
AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6613 VISIT NUM 1 CONSECUTIVE NUM 106  
 LATITUDE 55 DEGREES 29.50 MINUTES  
 LONGITUDE 77 DEGREES 46.00 MINUTES  
 SOUNDING 104.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 244 DEG  
 TEMP OFY 11.0 C TEMP WEI 9.0 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1935	0.0	9.400	23.750	18.314
1940	1.5	9.330	23.696	18.281
1940	3.3	8.660	23.887	18.520
1940	4.9	7.370	24.200	18.925
1941	7.6	6.740	24.236	19.024
1941	8.3	5.560	24.364	19.144
1941	10.2	6.330	24.320	19.605
1941	12.1	6.040	25.110	19.785
1941	14.0	5.740	25.310	19.972
1941	15.6	5.620	25.624	20.231
1942	17.7	4.670	26.131	20.760
1942	19.5	3.530	26.757	21.310
1942	21.1	2.430	27.403	21.900
1942	23.2	1.350	27.927	22.380
1942	25.2	.850	28.151	22.591
1942	27.2	.130	28.590	22.963
1943	28.1	-.360	28.967	23.282
1943	30.4	-.780	29.242	23.515
1943	32.3	-1.000	29.556	23.773
1943	33.9	-1.060	29.700	23.891
1943	35.5	-1.160	29.798	23.972
1943	37.5	-1.110	29.349	24.012
1944	38.9	-1.150	29.931	24.079
1944	40.7	-1.100	29.935	24.081
1944	41.8	-1.160	30.041	24.168
1944	45.1	-1.240	30.337	24.409
1944	49.9	-1.270	30.438	24.491
1944	53.1	-1.360	30.922	24.884
1945	58.5	-1.310	30.955	24.910
1945	62.9	-1.330	31.119	25.043
1945	67.4	-1.340	31.171	25.085
1945	71.7	-1.360	31.335	25.218
1945	76.2	-1.370	31.373	25.246
1945	80.5	-1.390	31.420	25.288
1946	84.7	-1.400	31.458	25.319
1946	88.7	-1.440	31.459	25.320
1946	93.1	-1.480	31.700	25.516
1946	95.6	-1.450	31.780	25.580

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STATION NO. 6614 1 107 MONTH 8 DAY 15

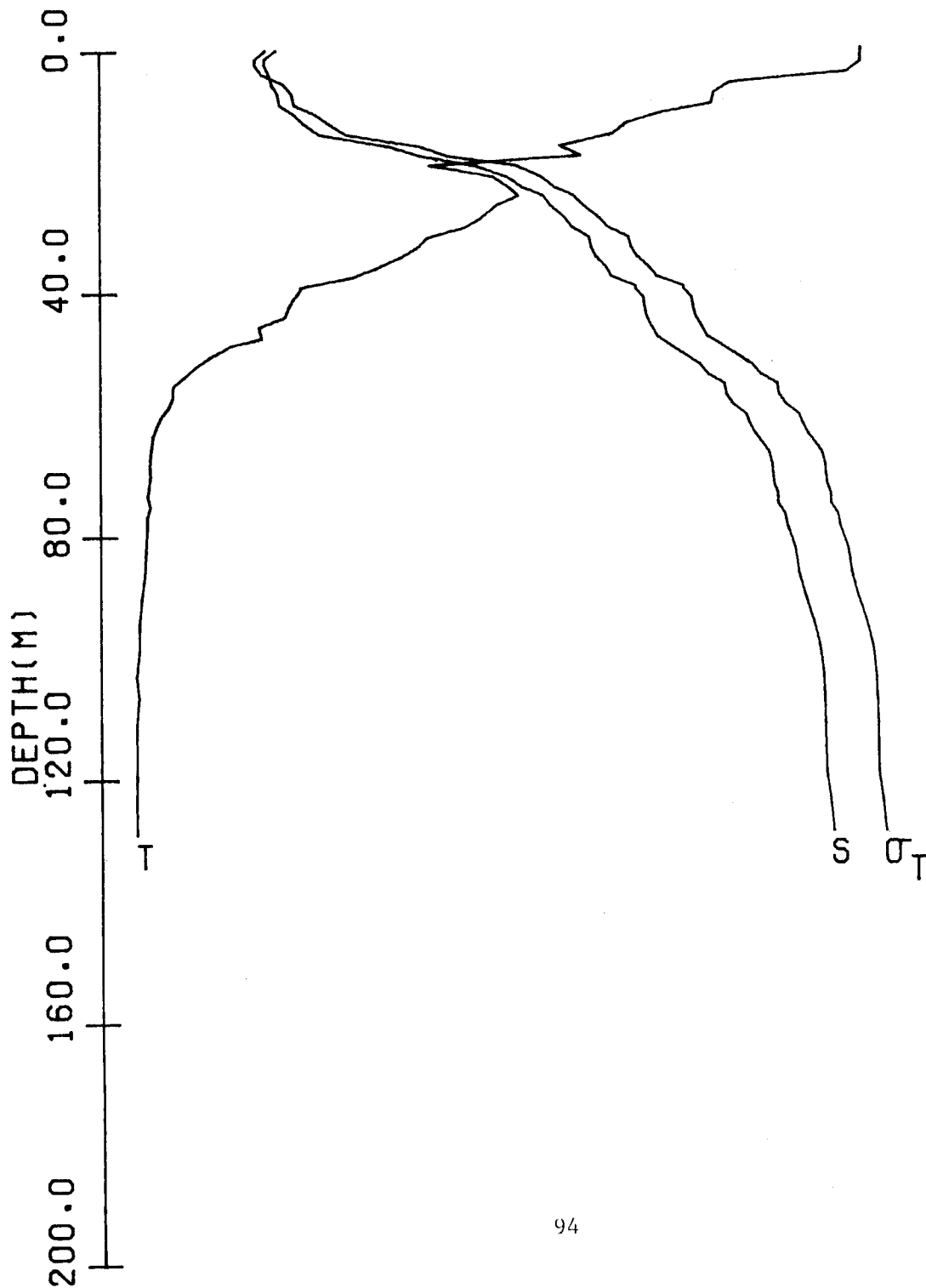
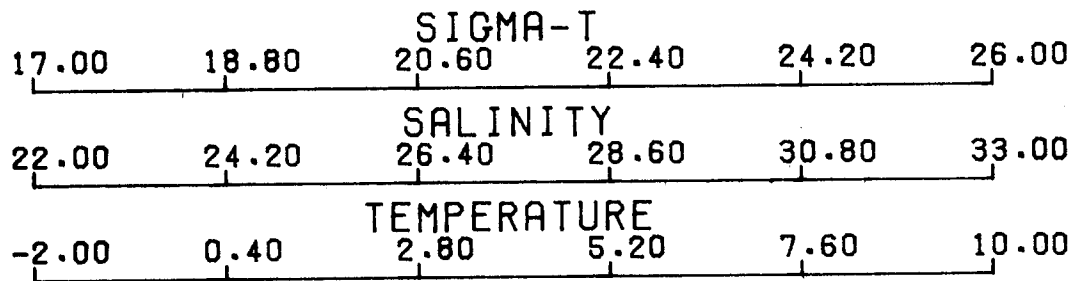


AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6614 VISIT NUM 1 CONSECUTIVE NUM 107  
 LATITUDE 55 DEGREES 33.00 MINUTES  
 LONGITUDE 77 DEGREES 53.00 MINUTES  
 SOUNDING 133.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 225 DEG  
 TEMP DEW 10.2 C TEMP WET 10.0 C  
 PRESSURE 1017.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 I

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2020	0.0	8.800	23.915	18.524
2024	1.1	8.940	23.829	18.438
2024	2.1	8.880	23.859	18.477
2024	3.0	8.710	23.950	18.563
2024	5.7	8.260	23.973	18.639
2024	8.1	6.740	24.224	19.019
2024	9.1	5.790	24.549	19.369
2025	10.7	5.620	24.907	19.667
2025	12.7	5.280	25.149	19.890
2025	14.4	5.140	25.454	20.045
2025	15.5	4.850	25.739	20.242
2025	17.0	4.250	26.333	20.917
2025	19.0	3.750	26.987	21.469
2025	21.1	3.490	27.248	21.773
2025	23.1	3.240	27.838	22.314
2025	24.6	3.410	28.304	22.723
2025	26.2	4.460	28.734	23.146
2025	28.1	5.770	29.104	23.403
2025	29.5	6.900	29.301	23.565
2025	31.4	7.970	29.434	23.714
2025	33.1	8.980	29.622	23.826
2025	34.7	-1.010	29.688	23.873
2025	36.3	-1.030	29.770	23.946
2026	39.1	-1.070	29.853	24.012
2026	39.6	-1.840	29.954	24.091
2026	40.1	-1.790	29.976	24.107
2026	43.9	-1.000	30.212	24.303
2026	48.4	-1.160	30.355	24.423
2026	53.1	-1.140	30.536	24.568
2026	57.1	-1.200	30.588	24.588
2027	61.6	-1.220	30.773	24.761
2027	65.2	-1.270	30.953	24.908
2027	70.6	-1.330	31.115	25.040
2027	74.7	-1.290	31.159	25.074
2027	78.7	-1.340	31.310	25.196
2027	83.5	-1.390	31.419	25.287
2028	87.5	-1.400	31.427	25.294
2028	91.5	-1.430	31.530	25.378
2028	95.7	-1.450	31.542	25.388
2028	99.9	-1.450	31.551	25.403
2028	104.3	-1.480	31.578	25.499
2028	108.7	-1.460	31.772	25.577
2029	112.9	-1.460	31.829	25.620
2029	117.1	-1.480	31.837	25.627
2029	121.1	-1.480	31.859	25.645
2029	125.7	-1.470	31.891	25.671
2029	130.6	-1.460	31.950	25.718
2029	132.8	-1.480	31.970	25.735

STATION NO. 6624 1 108 MONTH 8 DAY 15

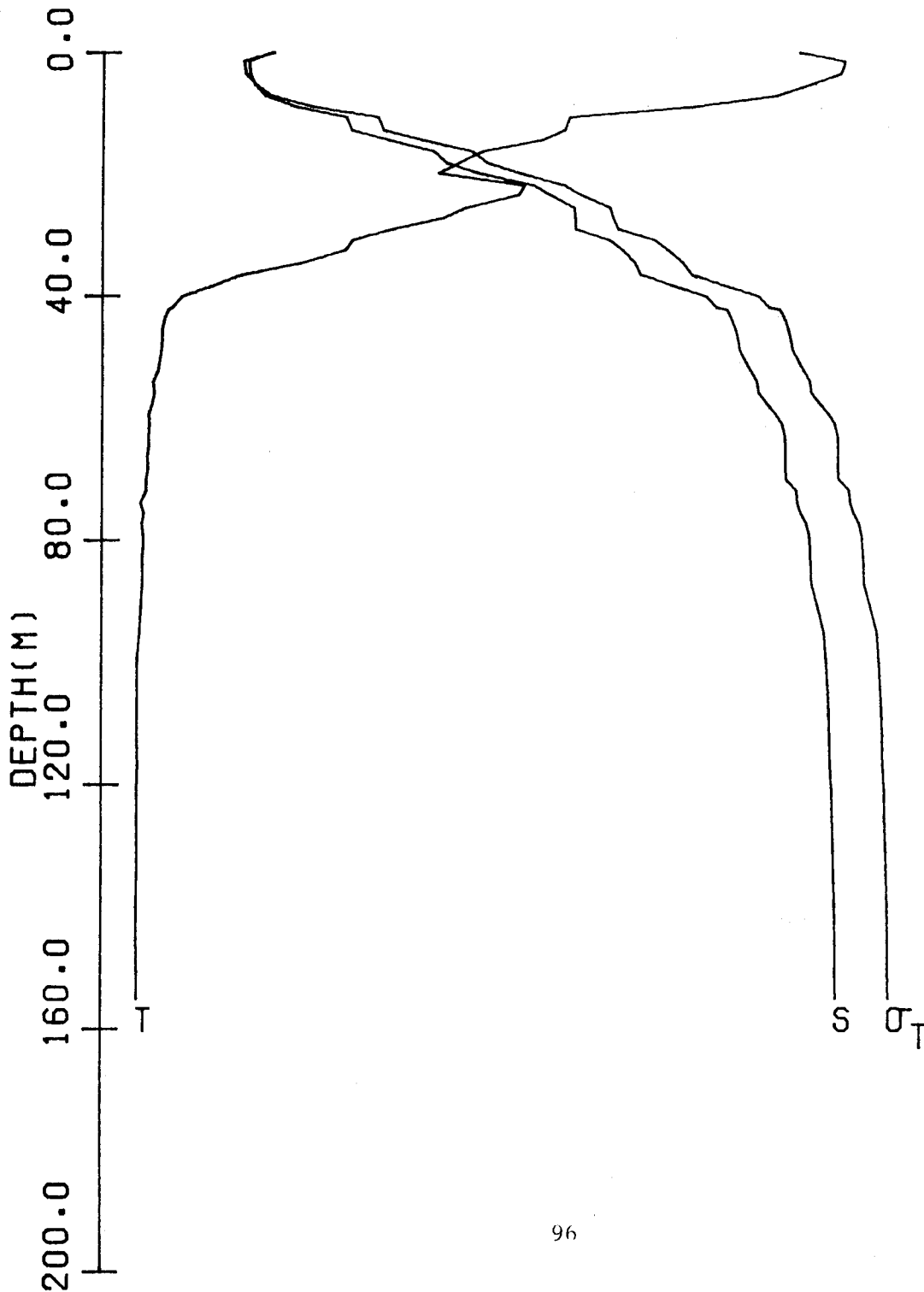
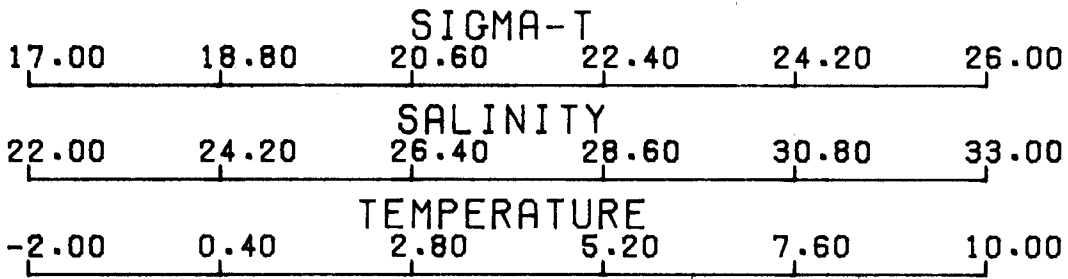


AREA SQUARE NUM 52075  
 DATE 9 MONTH 15 DAY  
 STATION NUM 6624 VISIT NUM 1 CONSECUTIVE NUM 108  
 LATITUDE 55 DEGREES 41.50 MINUTES  
 LONGITUDE 77 DEGREES 37.50 MINUTES  
 SOUNDING 140.0 MET METERES SNOW THICKNESS CI:  
 ICE THICKNESS METERS  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10.6 KNTS  
 TEMP DIR 10.6 C  
 PRESSURE 1016.9 M BAR  
 SWELL HEIGHT 6.5 M  
 SECCHI DISC 8.5 M  
 WIND DIR 200 DEG  
 TEMP WET 10.5 C  
 WAVE HEIGHT 6.0 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
21177	0.0	9.2	37.3	18.7
21177	1.0	9.2	37.3	18.7
21177	2.0	9.2	37.3	18.7
21177	3.0	9.2	37.3	18.7
21177	4.0	9.2	37.3	18.7
21177	5.0	9.2	37.3	18.7
21177	6.0	9.2	37.3	18.7
21177	7.0	9.2	37.3	18.7
21177	8.0	9.2	37.3	18.7
21177	9.0	9.2	37.3	18.7
21177	10.0	9.2	37.3	18.7
21177	11.0	9.2	37.3	18.7
21177	12.0	9.2	37.3	18.7
21177	13.0	9.2	37.3	18.7
21177	14.0	9.2	37.3	18.7
21177	15.0	9.2	37.3	18.7
21177	16.0	9.2	37.3	18.7
21177	17.0	9.2	37.3	18.7
21177	18.0	9.2	37.3	18.7
21177	19.0	9.2	37.3	18.7
21177	20.0	9.2	37.3	18.7
21177	21.0	9.2	37.3	18.7
21177	22.0	9.2	37.3	18.7
21177	23.0	9.2	37.3	18.7
21177	24.0	9.2	37.3	18.7
21177	25.0	9.2	37.3	18.7
21177	26.0	9.2	37.3	18.7
21177	27.0	9.2	37.3	18.7
21177	28.0	9.2	37.3	18.7
21177	29.0	9.2	37.3	18.7
21177	30.0	9.2	37.3	18.7
21177	31.0	9.2	37.3	18.7
21177	32.0	9.2	37.3	18.7
21177	33.0	9.2	37.3	18.7
21177	34.0	9.2	37.3	18.7
21177	35.0	9.2	37.3	18.7
21177	36.0	9.2	37.3	18.7
21177	37.0	9.2	37.3	18.7
21177	38.0	9.2	37.3	18.7
21177	39.0	9.2	37.3	18.7
21177	40.0	9.2	37.3	18.7
21177	41.0	9.2	37.3	18.7
21177	42.0	9.2	37.3	18.7
21177	43.0	9.2	37.3	18.7
21177	44.0	9.2	37.3	18.7
21177	45.0	9.2	37.3	18.7
21177	46.0	9.2	37.3	18.7
21177	47.0	9.2	37.3	18.7
21177	48.0	9.2	37.3	18.7
21177	49.0	9.2	37.3	18.7
21177	50.0	9.2	37.3	18.7
21177	51.0	9.2	37.3	18.7
21177	52.0	9.2	37.3	18.7
21177	53.0	9.2	37.3	18.7
21177	54.0	9.2	37.3	18.7
21177	55.0	9.2	37.3	18.7
21177	56.0	9.2	37.3	18.7
21177	57.0	9.2	37.3	18.7
21177	58.0	9.2	37.3	18.7
21177	59.0	9.2	37.3	18.7
21177	60.0	9.2	37.3	18.7
21177	61.0	9.2	37.3	18.7
21177	62.0	9.2	37.3	18.7
21177	63.0	9.2	37.3	18.7
21177	64.0	9.2	37.3	18.7
21177	65.0	9.2	37.3	18.7
21177	66.0	9.2	37.3	18.7
21177	67.0	9.2	37.3	18.7
21177	68.0	9.2	37.3	18.7
21177	69.0	9.2	37.3	18.7
21177	70.0	9.2	37.3	18.7
21177	71.0	9.2	37.3	18.7
21177	72.0	9.2	37.3	18.7
21177	73.0	9.2	37.3	18.7
21177	74.0	9.2	37.3	18.7
21177	75.0	9.2	37.3	18.7
21177	76.0	9.2	37.3	18.7
21177	77.0	9.2	37.3	18.7
21177	78.0	9.2	37.3	18.7
21177	79.0	9.2	37.3	18.7
21177	80.0	9.2	37.3	18.7
21177	81.0	9.2	37.3	18.7
21177	82.0	9.2	37.3	18.7
21177	83.0	9.2	37.3	18.7
21177	84.0	9.2	37.3	18.7
21177	85.0	9.2	37.3	18.7
21177	86.0	9.2	37.3	18.7
21177	87.0	9.2	37.3	18.7
21177	88.0	9.2	37.3	18.7
21177	89.0	9.2	37.3	18.7
21177	90.0	9.2	37.3	18.7
21177	91.0	9.2	37.3	18.7
21177	92.0	9.2	37.3	18.7
21177	93.0	9.2	37.3	18.7
21177	94.0	9.2	37.3	18.7
21177	95.0	9.2	37.3	18.7
21177	96.0	9.2	37.3	18.7
21177	97.0	9.2	37.3	18.7
21177	98.0	9.2	37.3	18.7
21177	99.0	9.2	37.3	18.7
21177	100.0	9.2	37.3	18.7

STATION NO. 6623 1 109 MONTH 8 DAY 15



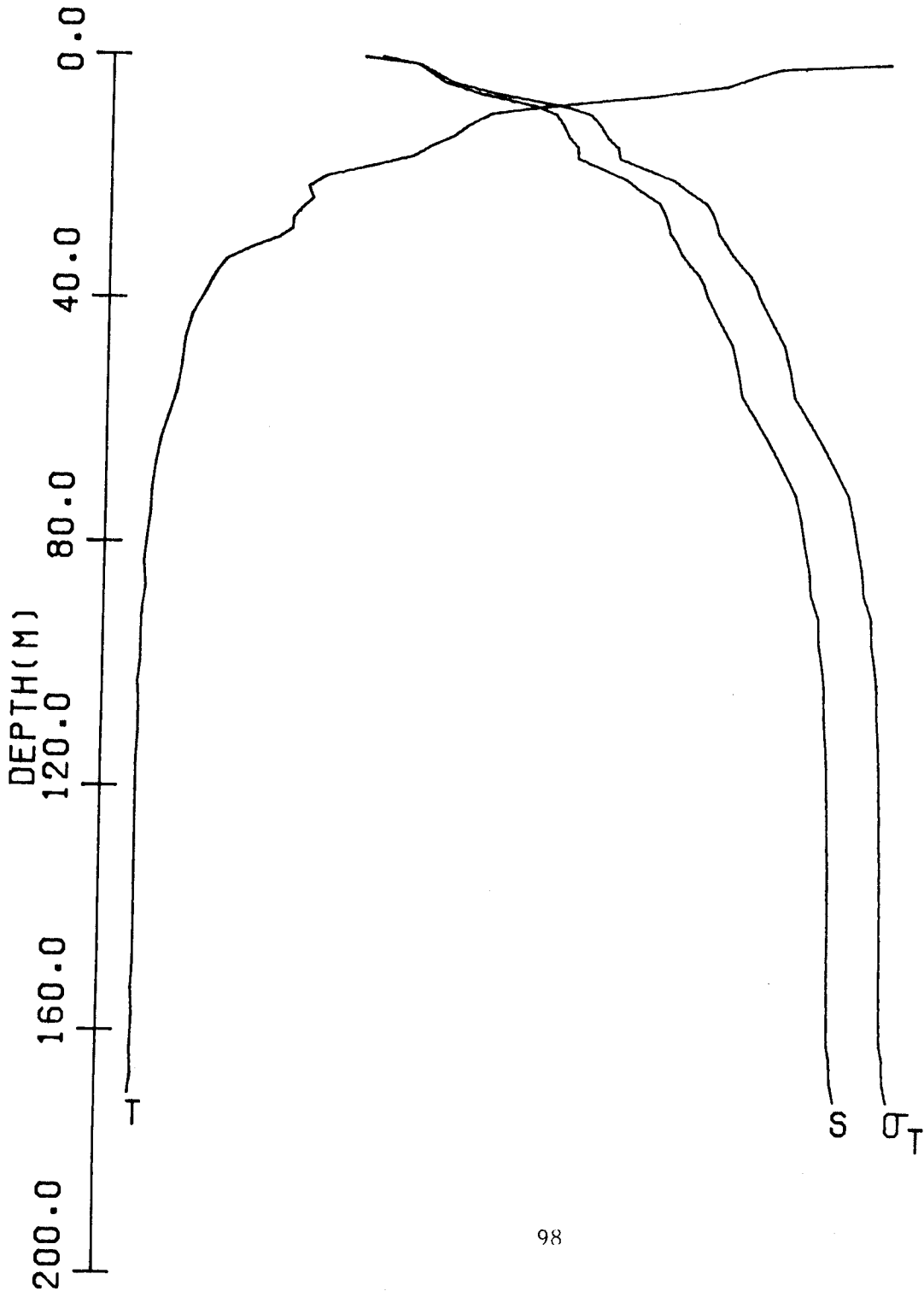
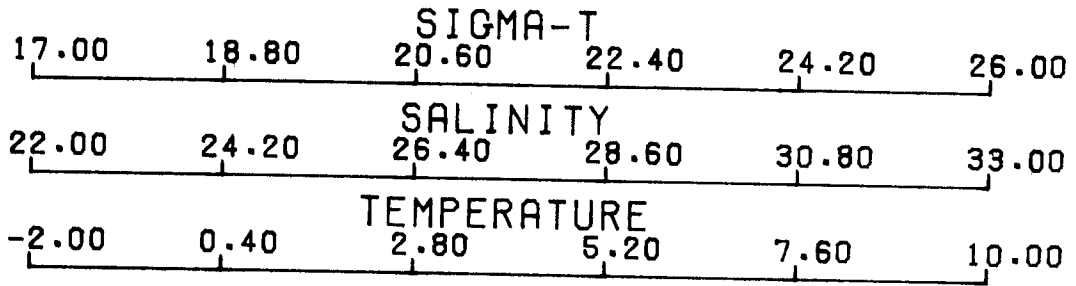
AREA SQUARE NUM 52076  
 DATE 3 MONTH 15 DAY  
 STATID NUM 6623 VISIT NUM 1 CONSECUTIVE NUM 109  
 LATITUDE 55 DEGREE 50 MINUTE 00 SEC  
 LONGITUDE 163 DEGREE 00 MINUTE 00 SEC  
 SOUNDING 163.0 METRES  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS 4V RETREL, GUILDLINE MARK III 40-445  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 11.0 KNTS  
 TEMP COEF 11.0 C  
 PRESSURE 1013.7 M BAR  
 SWELL HEIGHT 8.5 M  
 SECCHI DISC 8.5 M  
 WIND DIR 230 DEG  
 TEMP WET 10.2 DEG C  
 WAVE HEIGHT M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
22 0	0.0	8.200	31.253	1.023
22 1	0.5	8.200	31.253	1.023
22 2	1.0	8.200	31.253	1.023
22 3	1.5	8.200	31.253	1.023
22 4	2.0	8.200	31.253	1.023
22 5	2.5	8.200	31.253	1.023
22 6	3.0	8.200	31.253	1.023
22 7	3.5	8.200	31.253	1.023
22 8	4.0	8.200	31.253	1.023
22 9	4.5	8.200	31.253	1.023
22 10	5.0	8.200	31.253	1.023
22 11	5.5	8.200	31.253	1.023
22 12	6.0	8.200	31.253	1.023
22 13	6.5	8.200	31.253	1.023
22 14	7.0	8.200	31.253	1.023
22 15	7.5	8.200	31.253	1.023
22 16	8.0	8.200	31.253	1.023
22 17	8.5	8.200	31.253	1.023
22 18	9.0	8.200	31.253	1.023
22 19	9.5	8.200	31.253	1.023
22 20	10.0	8.200	31.253	1.023
22 21	10.5	8.200	31.253	1.023
22 22	11.0	8.200	31.253	1.023
22 23	11.5	8.200	31.253	1.023
22 24	12.0	8.200	31.253	1.023
22 25	12.5	8.200	31.253	1.023
22 26	13.0	8.200	31.253	1.023
22 27	13.5	8.200	31.253	1.023
22 28	14.0	8.200	31.253	1.023
22 29	14.5	8.200	31.253	1.023
22 30	15.0	8.200	31.253	1.023
22 31	15.5	8.200	31.253	1.023
22 32	16.0	8.200	31.253	1.023
22 33	16.5	8.200	31.253	1.023
22 34	17.0	8.200	31.253	1.023
22 35	17.5	8.200	31.253	1.023
22 36	18.0	8.200	31.253	1.023
22 37	18.5	8.200	31.253	1.023
22 38	19.0	8.200	31.253	1.023
22 39	19.5	8.200	31.253	1.023
22 40	20.0	8.200	31.253	1.023
22 41	20.5	8.200	31.253	1.023
22 42	21.0	8.200	31.253	1.023
22 43	21.5	8.200	31.253	1.023
22 44	22.0	8.200	31.253	1.023
22 45	22.5	8.200	31.253	1.023
22 46	23.0	8.200	31.253	1.023
22 47	23.5	8.200	31.253	1.023
22 48	24.0	8.200	31.253	1.023
22 49	24.5	8.200	31.253	1.023
22 50	25.0	8.200	31.253	1.023
22 51	25.5	8.200	31.253	1.023
22 52	26.0	8.200	31.253	1.023
22 53	26.5	8.200	31.253	1.023
22 54	27.0	8.200	31.253	1.023
22 55	27.5	8.200	31.253	1.023
22 56	28.0	8.200	31.253	1.023
22 57	28.5	8.200	31.253	1.023
22 58	29.0	8.200	31.253	1.023
22 59	29.5	8.200	31.253	1.023
22 60	30.0	8.200	31.253	1.023



STATION NO. 6633 1 110 MONTH 8 DAY 15

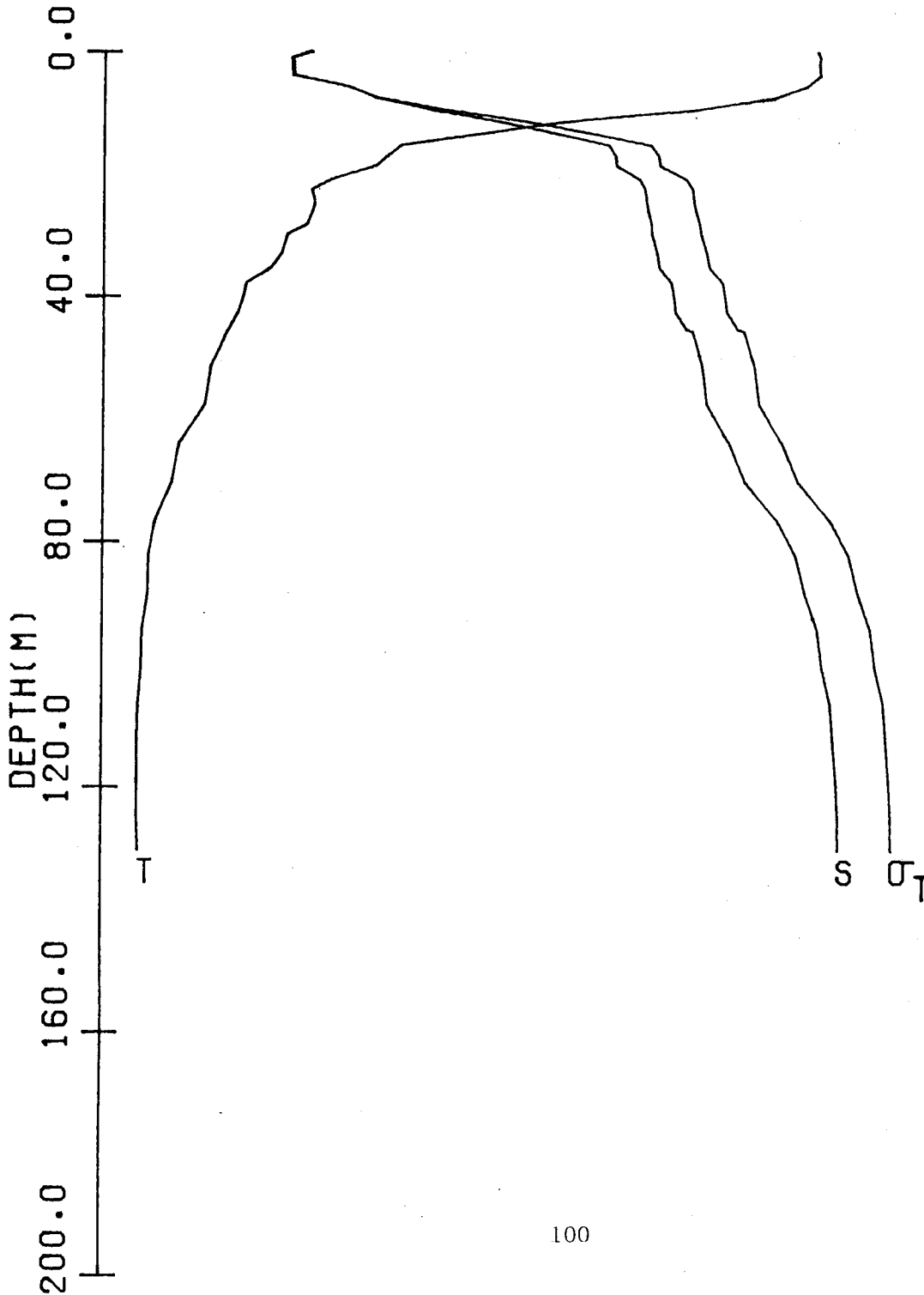
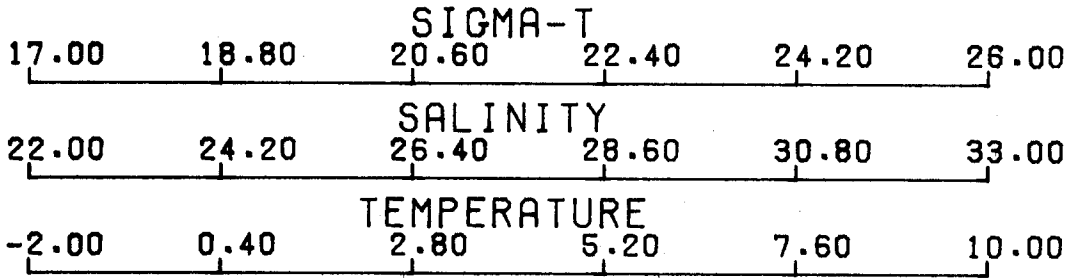


AREA SQUARE NUM 52076  
 DATE 9 MONTH 15 DAY  
 STATION NUM 6833 VISIT NUM 1 CONSECUTIVE NUM 110  
 LATITUDE 55 DEGREES 43.00 MINUTES  
 LONGITUDE 77 DEGREES 20.00 MINUTES  
 SOUNDING 103.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 230 DEG  
 TEMP DRY 11.6 C TEMP WET 9.4 C  
 PRESSURE 1015.3 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 10.5

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	S
2359	0.0	9.400	25.618	19.765	
0000	1.1	7.730	26.096	19.765	
0000	2.3	7.430	26.247	19.765	
0000	4.1	7.000	26.450	19.765	
0000	5.9	5.900	26.940	19.765	
0000	7.7	5.340	27.687	19.765	
0000	9.1	4.540	27.958	19.765	
0000	11.1	3.210	28.066	19.765	
0000	12.9	2.990	28.142	19.765	
0000	14.7	2.670	28.256	19.765	
0000	16.3	2.400	28.261	19.765	
0000	17.9	2.130	28.570	19.765	
0000	19.7	1.880	28.922	19.765	
0000	21.1	1.880	28.922	19.765	
0000	23.3	1.960	28.934	19.765	
0000	24.9	2.000	28.947	19.765	
0000	26.6	2.000	28.957	19.765	
0000	28.8	2.000	28.966	19.765	
0000	31.1	2.000	28.966	19.765	
0000	33.3	2.000	28.966	19.765	
0000	35.5	2.000	28.966	19.765	
0000	37.7	2.000	28.966	19.765	
0000	40.0	2.000	28.966	19.765	
0000	42.2	2.000	28.966	19.765	
0000	44.4	2.000	28.966	19.765	
0000	46.6	2.000	28.966	19.765	
0000	48.8	2.000	28.966	19.765	
0000	51.1	2.000	28.966	19.765	
0000	53.3	2.000	28.966	19.765	
0000	55.5	2.000	28.966	19.765	
0000	57.7	2.000	28.966	19.765	
0000	60.0	2.000	28.966	19.765	
0000	62.2	2.000	28.966	19.765	
0000	64.4	2.000	28.966	19.765	
0000	66.6	2.000	28.966	19.765	
0000	68.8	2.000	28.966	19.765	
0000	71.1	2.000	28.966	19.765	
0000	73.3	2.000	28.966	19.765	
0000	75.5	2.000	28.966	19.765	
0000	77.7	2.000	28.966	19.765	
0000	80.0	2.000	28.966	19.765	
0000	82.2	2.000	28.966	19.765	
0000	84.4	2.000	28.966	19.765	
0000	86.6	2.000	28.966	19.765	
0000	88.8	2.000	28.966	19.765	
0000	91.1	2.000	28.966	19.765	
0000	93.3	2.000	28.966	19.765	
0000	95.5	2.000	28.966	19.765	
0000	97.7	2.000	28.966	19.765	
0000	100.0	2.000	28.966	19.765	
0000	102.2	2.000	28.966	19.765	
0000	104.4	2.000	28.966	19.765	
0000	106.6	2.000	28.966	19.765	
0000	108.8	2.000	28.966	19.765	
0000	111.1	2.000	28.966	19.765	
0000	113.3	2.000	28.966	19.765	
0000	115.5	2.000	28.966	19.765	
0000	117.7	2.000	28.966	19.765	
0000	120.0	2.000	28.966	19.765	
0000	122.2	2.000	28.966	19.765	
0000	124.4	2.000	28.966	19.765	
0000	126.6	2.000	28.966	19.765	
0000	128.8	2.000	28.966	19.765	
0000	131.1	2.000	28.966	19.765	
0000	133.3	2.000	28.966	19.765	
0000	135.5	2.000	28.966	19.765	
0000	137.7	2.000	28.966	19.765	
0000	140.0	2.000	28.966	19.765	
0000	142.2	2.000	28.966	19.765	
0000	144.4	2.000	28.966	19.765	
0000	146.6	2.000	28.966	19.765	
0000	148.8	2.000	28.966	19.765	
0000	151.1	2.000	28.966	19.765	
0000	153.3	2.000	28.966	19.765	
0000	155.5	2.000	28.966	19.765	
0000	157.7	2.000	28.966	19.765	
0000	160.0	2.000	28.966	19.765	
0000	162.2	2.000	28.966	19.765	
0000	164.4	2.000	28.966	19.765	
0000	166.6	2.000	28.966	19.765	
0000	168.8	2.000	28.966	19.765	
0000	171.1	2.000	28.966	19.765	
0000	173.3	2.000	28.966	19.765	
0000	175.5	2.000	28.966	19.765	

STATION NO. 6634 1 111 MONTH 8 DAY 16

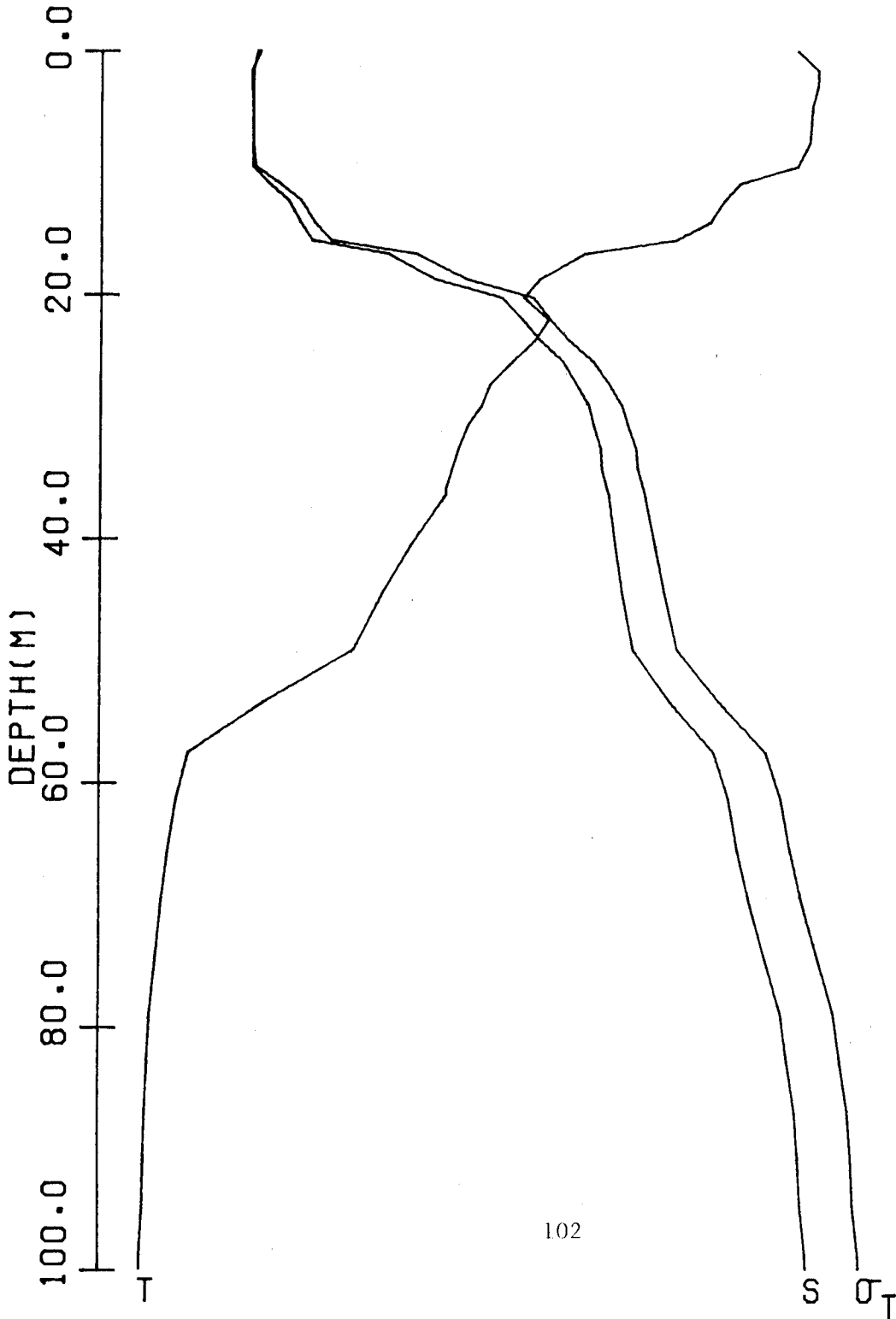
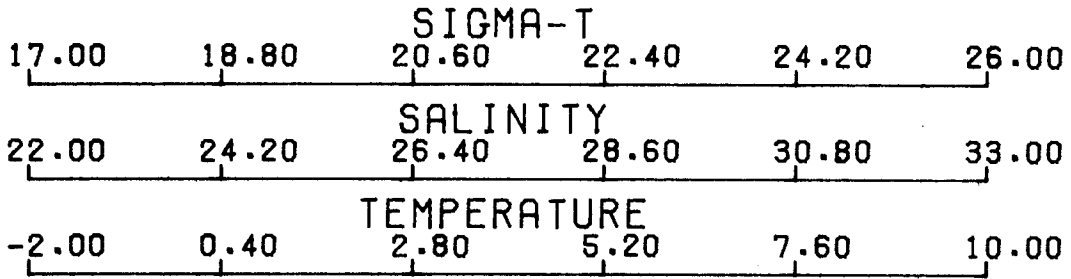


AREA SQUARE NUM 52075  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6634 VISIT NUM 1 CONSECUTIVE NUM 111  
 LATITUDE 55 DEGREES 47.17 MINUTES  
 LONGITUDE 77 DEGREES 27.50 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 250 DEG  
 TEMP DRY 11.0 C TEMP WET 9.8 C  
 PRESSURE 1015.6 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI OISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
132	0.0	8.400	24.770	19.242
132	1.0	8.440	24.517	19.040
132	1.9	8.420	24.530	19.053
133	3.9	8.430	24.532	19.053
133	5.7	8.230	25.255	19.643
133	7.5	7.750	25.614	19.984
133	9.4	6.590	26.373	20.717
133	11.3	4.670	27.289	21.635
133	13.1	3.700	27.919	22.218
133	15.3	2.310	28.746	22.978
133	17.1	2.110	28.835	23.062
133	18.7	1.950	28.842	23.077
133	20.9	1.300	29.154	23.364
133	22.6	1.020	29.226	23.436
133	24.7	1.070	29.247	23.450
133	26.2	1.030	29.269	23.470
133	28.3	.950	29.316	23.511
133	29.9	.670	29.318	23.526
134	33.0	.590	29.392	23.589
134	35.4	.430	29.423	23.621
134	37.9	.070	29.587	23.767
134	40.3	.020	29.620	23.795
134	42.7	-.050	29.645	23.818
134	45.4	-.180	29.784	23.934
134	45.7	-.200	29.873	24.006
134	51.7	-.440	30.008	24.123
134	57.7	-.520	30.069	24.174
135	64.1	-.900	30.374	24.431
135	70.4	-1.000	30.588	24.606
135	76.6	-1.240	31.018	24.959
135	82.6	-1.330	31.269	25.164
135	88.5	-1.340	31.393	25.265
135	94.5	-1.420	31.561	25.403
136	100.8	-1.430	31.627	25.456
136	106.7	-1.470	31.740	25.548
136	112.7	-1.480	31.776	25.578
136	118.9	-1.480	31.816	25.610
136	125.0	-1.480	31.843	25.632
136	130.3	-1.460	31.847	25.635

STATION NO. 6643 1 112 MONTH 8 DAY 16



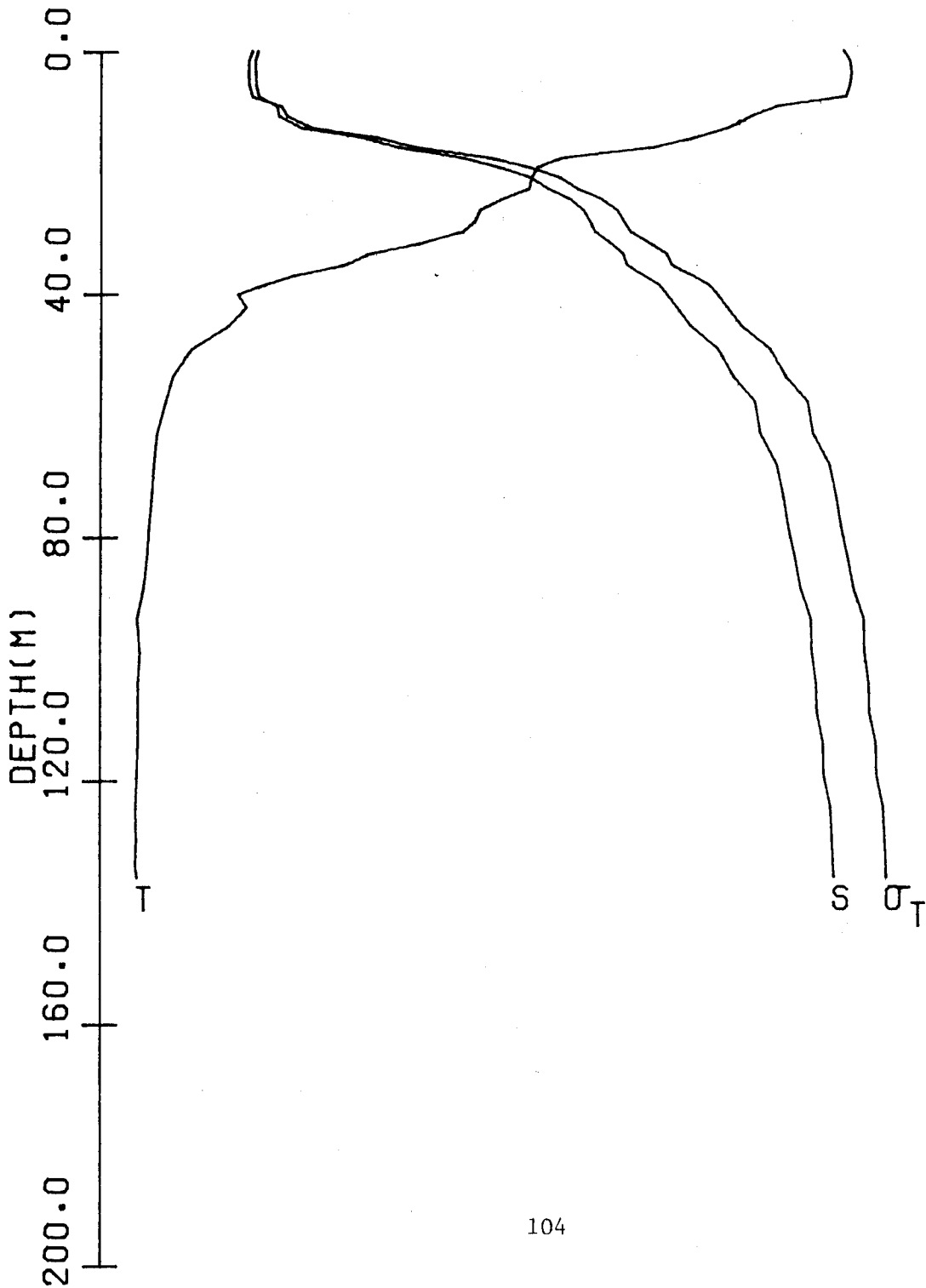
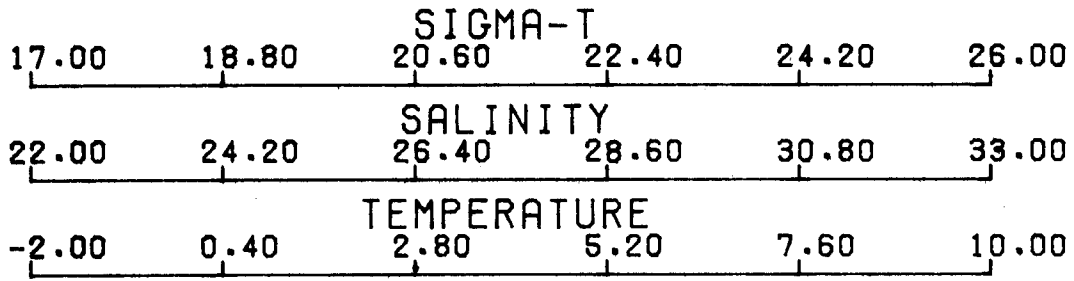
AREA SQUARE NUM 92076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6643 VISIT NUM 1 CONSECUTIVE NUM 112  
 LATITUDE 55 DEGREES 57.00 MINUTES  
 LONGITUDE 77 DEGREES 17.50 MINUTES  
 SOUNDING 109.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 200 DEG  
 TEMP DRY 12.1 C TEMP WET 9.7 C  
 PRESSURE 1014.3 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PRT.)	SIGMA T
3 0	0.0	8.200	24.087	18.736
3 3	1.0	8.500	24.020	18.645
3 3	2.0	8.490	24.021	18.647
3 3	3.0	8.410	24.021	18.657
3 4	5.0	8.400	24.021	18.659
3 4	7.0	8.380	24.021	18.661
3 4	9.0	8.200	24.023	18.686
3 4	10.0	7.360	24.238	18.956
3 4	12.0	7.130	24.502	19.189
3 4	14.0	6.920	24.663	19.339
3 4	15.0	6.410	24.825	19.522
3 4	16.0	5.070	25.344	20.458
3 4	18.0	4.420	26.478	21.017
3 4	20.0	4.190	27.377	21.747
3 4	22.0	4.360	27.656	21.935
3 4	23.0	4.360	27.898	22.145
3 4	25.0	4.040	28.195	22.408
3 4	27.0	3.700	28.388	22.599
3 4	29.0	3.380	28.556	22.733
3 4	30.0	3.380	28.617	22.797
3 4	32.0	3.240	28.716	22.887
3 4	34.0	3.150	28.731	22.906
3 4	35.0	3.060	28.798	22.986
3 4	36.0	3.060	28.823	22.986
3 4	40.0	2.540	28.916	23.098
3 4	44.0	1.130	29.013	23.202
3 4	49.0	1.710	29.150	23.345
3 6	53.0	1.390	29.659	23.812
3 6	57.0	1.710	30.258	24.332
3 6	61.0	1.880	30.456	24.497
3 6	65.0	1.000	30.576	24.597
3 6	69.0	1.100	30.746	24.736
3 6	74.0	1.180	30.943	24.897
3 7	78.0	1.250	31.169	25.082
3 7	82.0	1.250	31.256	25.153
3 7	86.0	1.320	31.358	25.236
3 7	90.0	1.340	31.406	25.275
3 7	94.0	1.360	31.439	25.303
3 7	98.0	1.400	31.509	25.360
3 8	99.0	1.400	31.518	25.367

S

STATION NO. 6642 1 113 MONTH 8 DAY 16



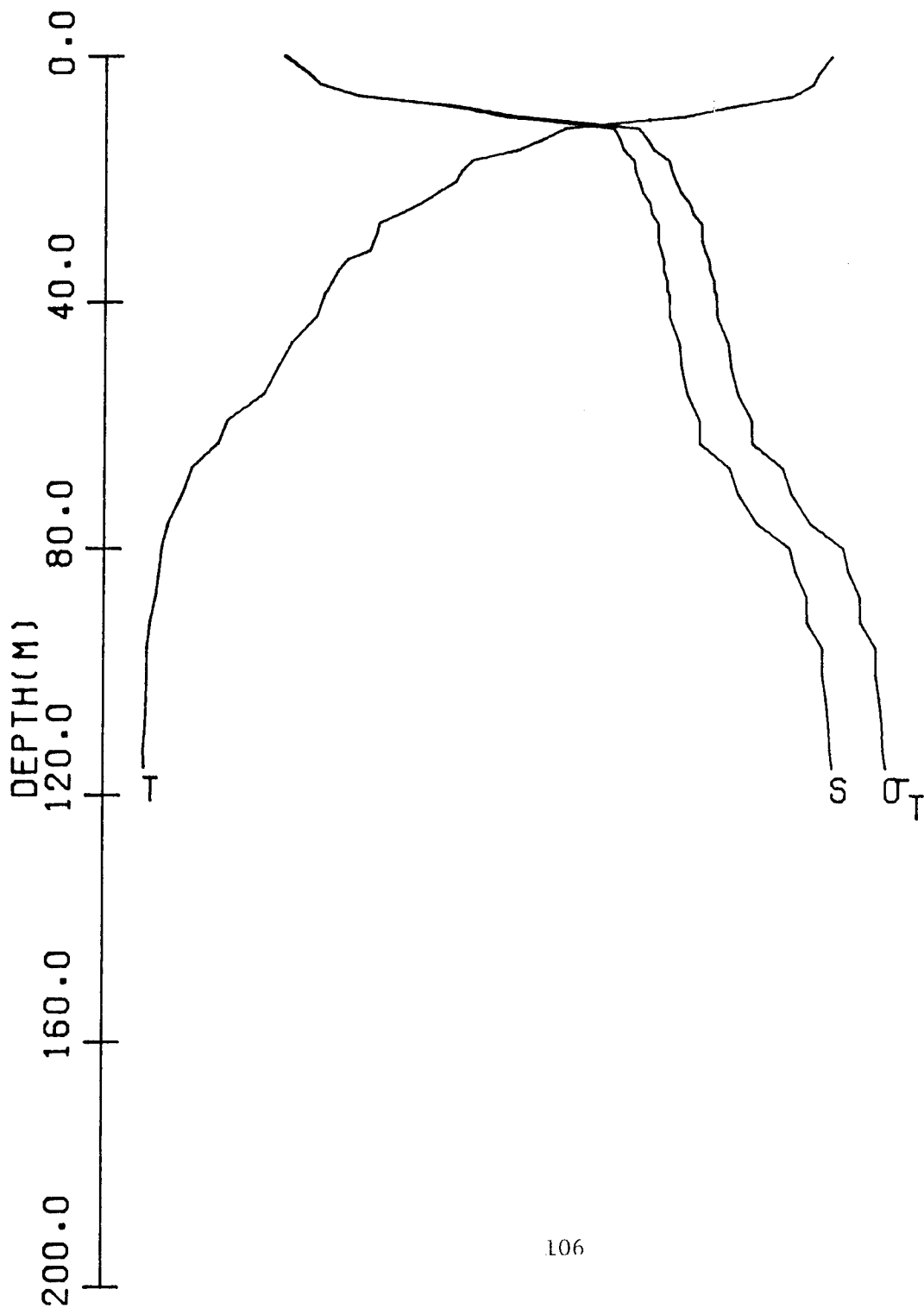
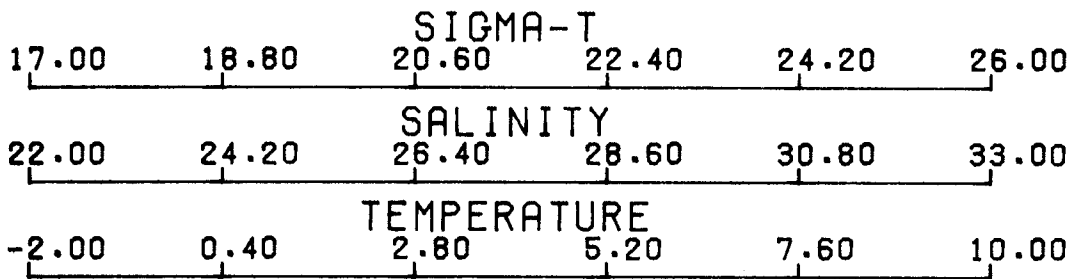
AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6642 VISIT NUM 1 CONSECUTIVE NUM 113  
 LATITUDE 55 DEGREES 53.50 MINUTES  
 LONGITUDE 77 DEGREES 9.50 MINUTES  
 SOUNDING 144.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 227 DEG  
 TEMP DRY 9.8 C TEMP WET 8.5 C  
 PRESSURE 1012.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	
358	0.0	8.900	24.108	18.661	S
433	1.6	8.990	24.073	18.622	
443	2.1	9.000	24.076	18.622	
443	3.2	9.010	24.030	18.624	
443	5.5	8.990	24.082	18.628	
444	7.5	8.930	24.123	18.668	
444	9.1	7.920	24.370	18.991	
444	10.7	7.550	24.386	19.049	
444	12.7	7.200	24.688	19.326	
444	14.3	6.730	25.519	20.031	
444	15.9	6.100	25.994	20.473	
444	17.7	4.760	26.851	21.289	
444	19.2	4.390	27.358	21.715	
444	20.9	4.310	27.781	22.057	
444	22.8	4.280	28.027	22.254	
444	24.5	3.870	28.318	22.520	
444	26.3	3.550	28.496	22.688	
444	28.2	3.480	28.581	22.761	
444	29.9	3.300	28.651	22.831	
444	31.8	2.670	28.858	23.050	
444	33.5	1.930	29.030	23.228	
444	35.5	1.580	29.074	23.284	
444	37.0	1.250	29.298	23.502	
444	38.6	0.390	29.515	23.698	
444	40.1	0.000	29.612	23.789	
444	42.2	0.130	29.749	23.899	
444	45.3	-1.130	29.932	24.051	
444	49.1	-1.680	30.305	24.369	
444	53.7	-1.950	30.517	24.548	
444	57.7	-1.050	30.805	24.783	
444	63.0	-1.180	30.877	24.844	
444	68.2	-1.220	31.104	25.028	
444	73.3	-1.250	31.191	25.100	
444	78.5	-1.290	31.258	25.155	
444	83.4	-1.320	31.345	25.226	
444	88.5	-1.370	31.425	25.291	
444	93.7	-1.460	31.550	25.403	
444	99.0	-1.420	31.574	25.413	
444	104.1	-1.450	31.631	25.460	
444	108.9	-1.450	31.643	25.470	
444	113.5	-1.450	31.728	25.538	
444	119.0	-1.460	31.736	25.545	
444	124.4	-1.480	31.828	25.620	
444	129.3	-1.470	31.849	25.637	
444	134.3	-1.480	31.366	25.651	
444	135.8	-1.460	31.874	25.657	



STATION NO. 6654 1 114 MONTH 8 DAY 16



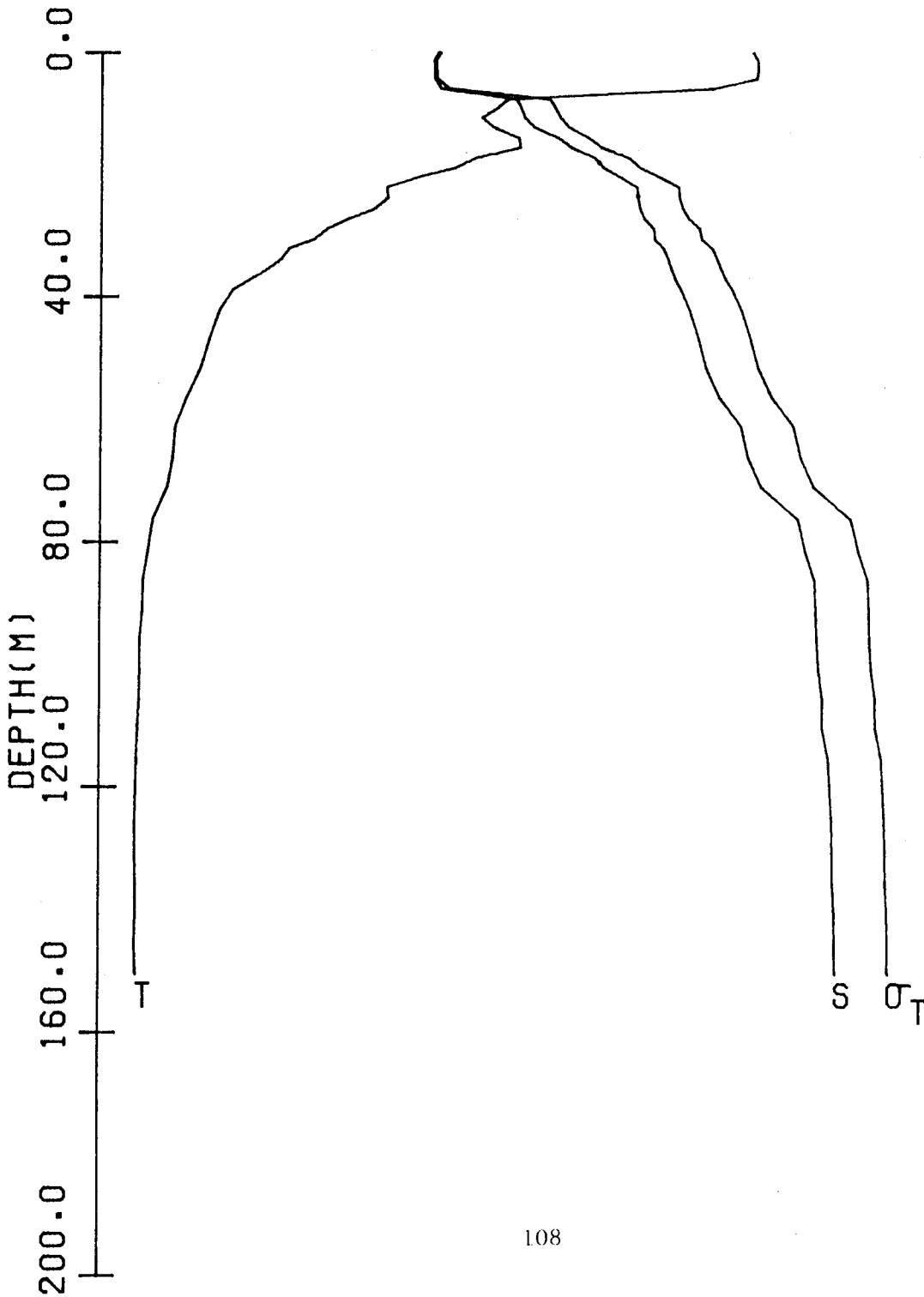
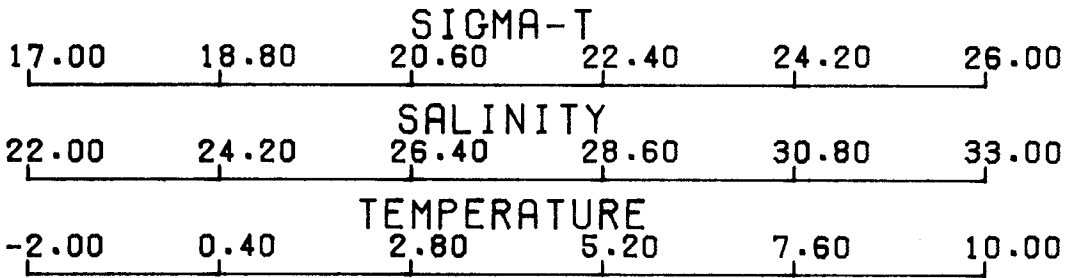
AREA SQUARE NUM 56075  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6654 VISIT NUM 1 CONSECUTIVE NUM 114  
 LATITUDE 56 DEGREES 7.00 MINUTES  
 LONGITUDE 77 DEGREES 3.50 MINUTES  
 SOUNDING 122.5 METRES SNOW THICKNESS CM  
 ICF THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 160 DEG  
 TEMP DRY 9.4 C TEMP WET 8.2 C  
 PRESSURE 1012.9 M BAR WAVE HEIGHT .3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
6 5	0.0	8.500	24.380	18.925
6 9	2.0	8.310	24.683	19.186
6 9	4.6	8.230	24.837	19.317
6 9	6.5	7.920	25.357	19.762
6 9	8.1	7.990	26.562	20.806
6 9	9.9	6.340	27.323	21.490
6 9	11.7	4.640	28.743	22.786
6 9	13.5	4.320	28.825	22.881
6 10	15.2	3.970	28.871	22.949
6 10	17.0	3.290	29.010	23.116
6 10	18.7	3.140	29.028	23.143
6 10	20.5	3.050	29.084	23.194
6 10	22.1	2.810	29.124	23.244
6 10	23.9	2.570	29.221	23.338
6 10	25.6	2.260	29.245	23.379
6 10	27.2	1.950	29.333	23.469
6 10	28.7	1.920	29.333	23.471
6 10	30.2	1.870	29.337	23.477
6 10	31.7	1.820	29.373	23.509
6 10	33.1	1.500	29.404	23.553
6 10	34.8	1.370	29.405	23.561
6 10	36.4	1.290	29.452	23.603
6 10	38.1	1.210	29.456	23.610
6 11	38.7	1.170	29.483	23.634
6 11	42.3	1.060	29.487	23.643
6 11	46.7	.590	29.622	23.769
6 11	50.7	.500	29.651	23.801
6 11	54.9	.300	29.731	23.873
6 11	59.2	-.230	29.895	24.025
6 12	62.9	-.360	29.895	24.029
6 12	66.9	-.740	30.298	24.365
6 12	71.1	-.870	30.411	24.460
6 12	75.9	-1.080	30.666	24.671
6 12	79.9	-1.170	31.104	25.027
6 12	83.7	-1.200	31.176	25.086
6 13	87.7	-1.250	31.328	25.210
6 13	91.9	-1.330	31.333	25.216
6 13	96.9	-1.370	31.538	25.383
6 13	100.4	-1.370	31.538	25.383
6 13	104.2	-1.380	31.587	25.423
6 13	108.4	-1.390	31.624	25.453
6 14	112.5	-1.420	31.638	25.463
6 14	115.5	-1.410	31.671	25.491

S

STATION NO. 6663 1 115 MONTH 8 DAY 16



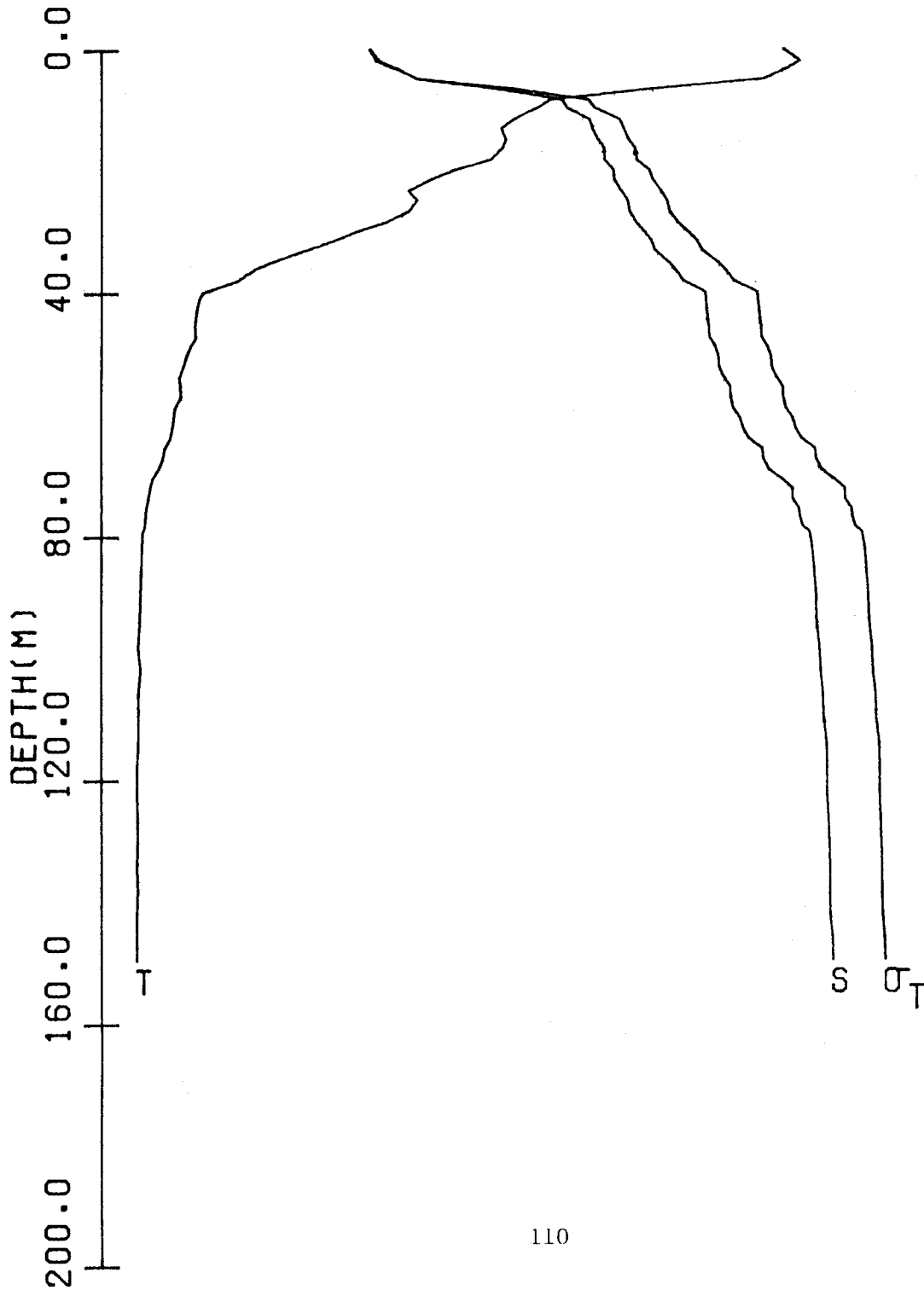
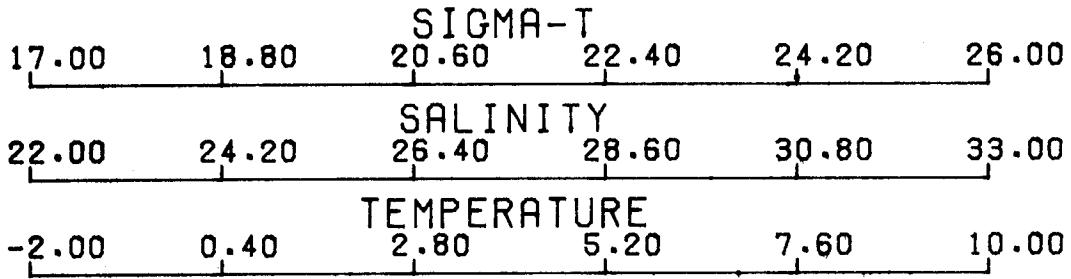
AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6653 VISIT NUM 1 CONSECUTIVE NUM 115  
 LATITUDE 56 DEGREES 9.00 MINUTES  
 LONGITUDE 76 DEGREES 54.50 MINUTES  
 SOUNDING 144.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 160 DEG  
 TEMP DAY 9.0 C TEMP WET 8.0 C  
 PRESSURE 1012.5 M BAR WAVE HEIGHT .4 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
720	0.0	7.500	26.490	20.700
723	1.3	7.570	26.435	20.648
723	3.0	7.570	26.444	20.655
723	4.3	7.550	26.449	20.662
723	5.9	6.910	26.530	20.803
723	7.6	3.910	27.543	21.903
723	9.1	3.750	27.603	21.963
723	10.7	3.530	27.651	22.019
723	12.3	3.710	27.786	22.112
723	14.0	4.080	28.104	22.332
723	15.6	4.100	28.294	22.473
723	17.3	3.450	28.588	22.769
723	18.9	3.150	28.713	22.892
723	20.5	2.600	28.937	23.110
723	22.1	2.150	29.164	23.321
723	23.9	2.170	29.171	23.326
724	25.8	1.960	29.205	23.366
724	27.7	1.600	29.260	23.432
724	29.9	1.200	29.388	23.551
724	30.7	1.090	29.400	23.572
724	32.2	.730	29.523	23.688
724	33.9	.610	29.583	23.741
724	35.5	.420	29.625	23.783
724	37.3	.160	29.681	23.839
724	38.9	-.090	29.755	23.908
724	42.3	-.290	29.879	24.014
725	47.0	-.430	30.000	24.116
725	51.7	-.560	30.098	24.199
725	56.5	-.760	30.281	24.352
725	61.1	-.920	30.558	24.588
725	66.2	-.950	30.667	24.689
725	71.1	-1.030	30.848	24.817
726	76.3	-1.240	31.339	25.219
726	81.1	-1.310	31.438	25.301
726	86.4	-1.380	31.568	25.407
726	91.2	-1.380	31.580	25.417
726	95.9	-1.420	31.591	25.427
726	100.9	-1.420	31.616	25.447
727	105.8	-1.430	31.668	25.480
727	110.4	-1.450	31.671	25.492
727	115.4	-1.460	31.753	25.559
727	120.3	-1.470	31.776	25.578
727	125.5	-1.490	31.799	25.596
727	130.6	-1.480	31.809	25.605
728	135.7	-1.470	31.815	25.609
728	140.6	-1.470	31.837	25.627
728	145.5	-1.460	31.844	25.633
728	150.1	-1.470	31.846	25.634
728	150.4	-1.460	31.855	25.641

S

STATION NO. 6653 1 116 MONTH 8 DAY 16

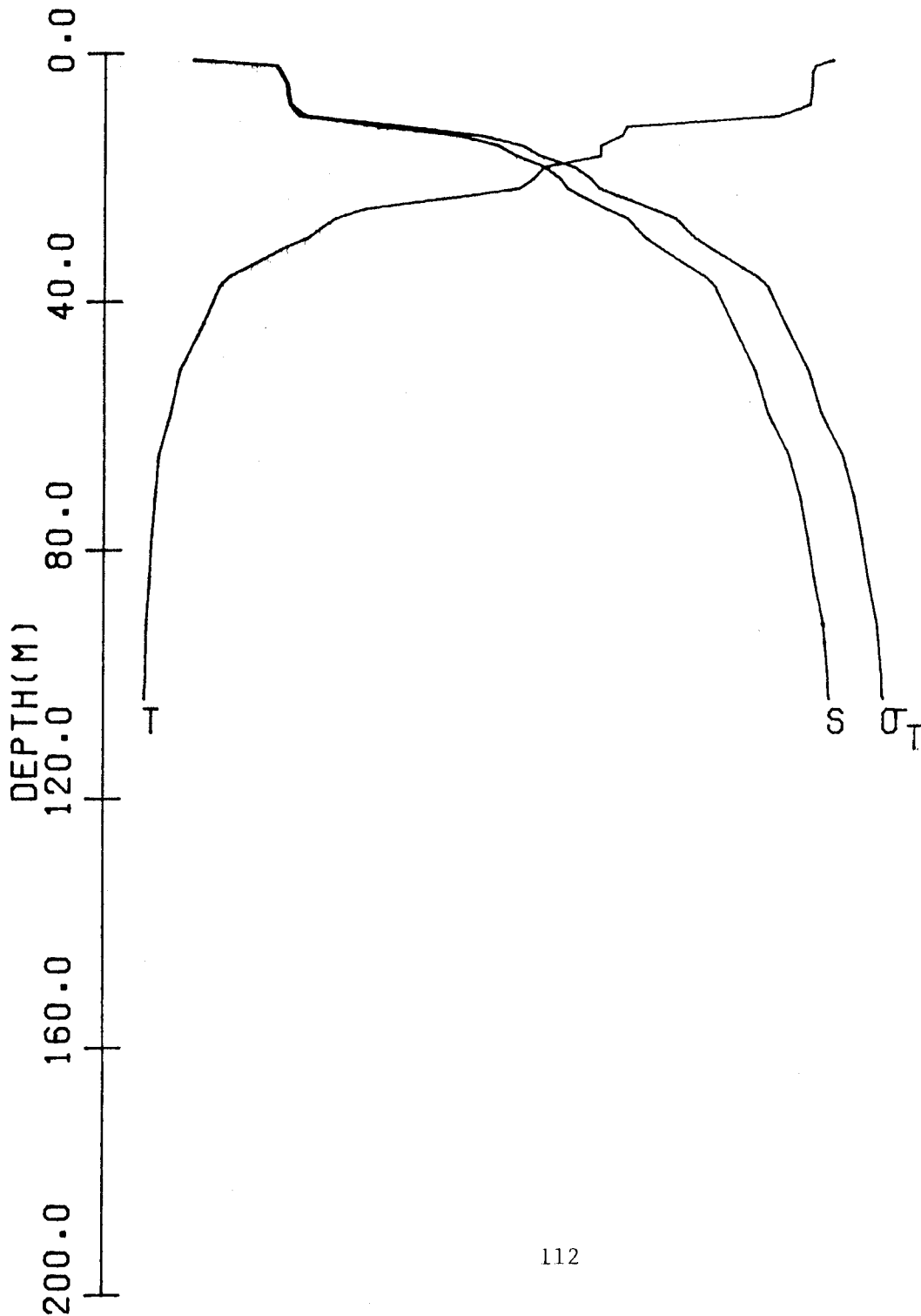
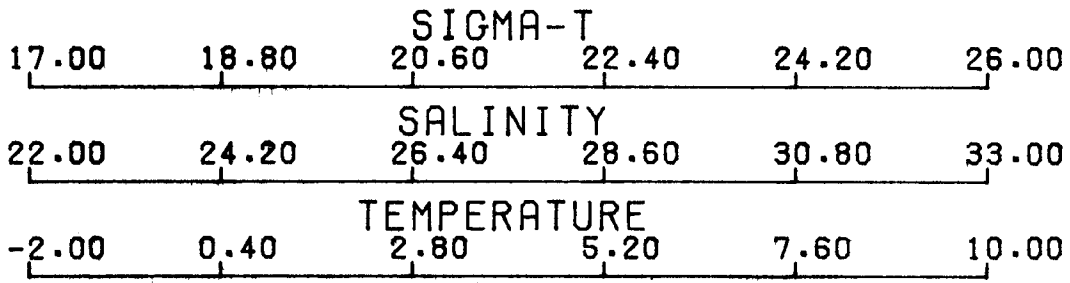


AREA SQUARE NUM 56075  
 DATE 9 MONTH 16 JAY  
 STATION NUM 6653 VISIT NUM 1 CONSECUTIVE NUM 116  
 LONGITUDE 78 DEGREE 56 MINUTE 00 SECOND  
 SOUNDING 160.0 METRE  
 ICE THICKNESS METRES CM  
 DATA COLLECTION MEANS MV PETREL, GULLDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS  
 TEMP DEPT 7.8 C  
 PRESSURE 1011.9 M BAR  
 SWELL HEIGHT M  
 SWELL DIR 1  
 WIND DIR 310 DEG  
 TEMP WET 7.8 C  
 WAVE HEIGHT 0.0 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
0000	0.0	8.00	21.50	1.019
0005	0.1	8.00	21.50	1.019
0010	0.2	8.00	21.50	1.019
0015	0.3	8.00	21.50	1.019
0020	0.4	8.00	21.50	1.019
0025	0.5	8.00	21.50	1.019
0030	0.6	8.00	21.50	1.019
0035	0.7	8.00	21.50	1.019
0040	0.8	8.00	21.50	1.019
0045	0.9	8.00	21.50	1.019
0050	1.0	8.00	21.50	1.019
0055	1.1	8.00	21.50	1.019
0100	1.2	8.00	21.50	1.019
0105	1.3	8.00	21.50	1.019
0110	1.4	8.00	21.50	1.019
0115	1.5	8.00	21.50	1.019
0120	1.6	8.00	21.50	1.019
0125	1.7	8.00	21.50	1.019
0130	1.8	8.00	21.50	1.019
0135	1.9	8.00	21.50	1.019
0140	2.0	8.00	21.50	1.019
0145	2.1	8.00	21.50	1.019
0150	2.2	8.00	21.50	1.019
0155	2.3	8.00	21.50	1.019
0200	2.4	8.00	21.50	1.019
0205	2.5	8.00	21.50	1.019
0210	2.6	8.00	21.50	1.019
0215	2.7	8.00	21.50	1.019
0220	2.8	8.00	21.50	1.019
0225	2.9	8.00	21.50	1.019
0230	3.0	8.00	21.50	1.019
0235	3.1	8.00	21.50	1.019
0240	3.2	8.00	21.50	1.019
0245	3.3	8.00	21.50	1.019
0250	3.4	8.00	21.50	1.019
0255	3.5	8.00	21.50	1.019
0300	3.6	8.00	21.50	1.019
0305	3.7	8.00	21.50	1.019
0310	3.8	8.00	21.50	1.019
0315	3.9	8.00	21.50	1.019
0320	4.0	8.00	21.50	1.019
0325	4.1	8.00	21.50	1.019
0330	4.2	8.00	21.50	1.019
0335	4.3	8.00	21.50	1.019
0340	4.4	8.00	21.50	1.019
0345	4.5	8.00	21.50	1.019
0350	4.6	8.00	21.50	1.019
0355	4.7	8.00	21.50	1.019
0400	4.8	8.00	21.50	1.019
0405	4.9	8.00	21.50	1.019
0410	5.0	8.00	21.50	1.019
0415	5.1	8.00	21.50	1.019
0420	5.2	8.00	21.50	1.019
0425	5.3	8.00	21.50	1.019
0430	5.4	8.00	21.50	1.019
0435	5.5	8.00	21.50	1.019
0440	5.6	8.00	21.50	1.019
0445	5.7	8.00	21.50	1.019
0450	5.8	8.00	21.50	1.019
0455	5.9	8.00	21.50	1.019
0500	6.0	8.00	21.50	1.019
0505	6.1	8.00	21.50	1.019
0510	6.2	8.00	21.50	1.019
0515	6.3	8.00	21.50	1.019
0520	6.4	8.00	21.50	1.019
0525	6.5	8.00	21.50	1.019
0530	6.6	8.00	21.50	1.019
0535	6.7	8.00	21.50	1.019
0540	6.8	8.00	21.50	1.019
0545	6.9	8.00	21.50	1.019
0550	7.0	8.00	21.50	1.019
0555	7.1	8.00	21.50	1.019
0600	7.2	8.00	21.50	1.019
0605	7.3	8.00	21.50	1.019
0610	7.4	8.00	21.50	1.019
0615	7.5	8.00	21.50	1.019
0620	7.6	8.00	21.50	1.019
0625	7.7	8.00	21.50	1.019
0630	7.8	8.00	21.50	1.019
0635	7.9	8.00	21.50	1.019
0640	8.0	8.00	21.50	1.019
0645	8.1	8.00	21.50	1.019
0650	8.2	8.00	21.50	1.019
0655	8.3	8.00	21.50	1.019
0700	8.4	8.00	21.50	1.019
0705	8.5	8.00	21.50	1.019
0710	8.6	8.00	21.50	1.019
0715	8.7	8.00	21.50	1.019
0720	8.8	8.00	21.50	1.019
0725	8.9	8.00	21.50	1.019
0730	9.0	8.00	21.50	1.019
0735	9.1	8.00	21.50	1.019
0740	9.2	8.00	21.50	1.019
0745	9.3	8.00	21.50	1.019
0750	9.4	8.00	21.50	1.019
0755	9.5	8.00	21.50	1.019
0800	9.6	8.00	21.50	1.019
0805	9.7	8.00	21.50	1.019
0810	9.8	8.00	21.50	1.019
0815	9.9	8.00	21.50	1.019
0820	10.0	8.00	21.50	1.019

STATION NO. 6652 1 117 MONTH 8 DAY 16



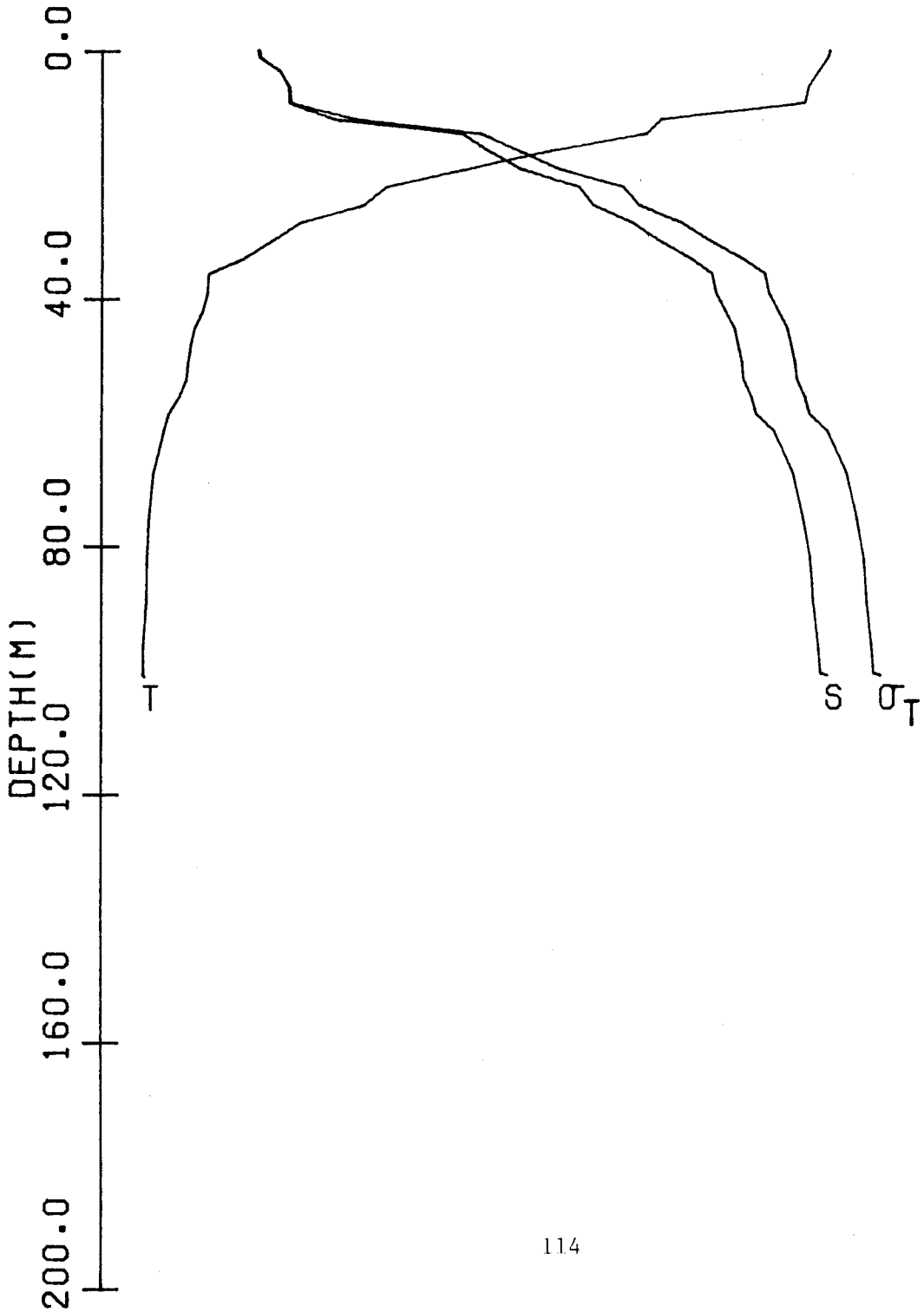
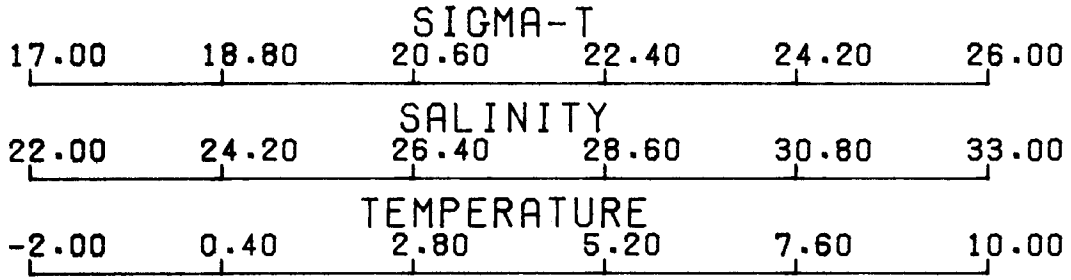
AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6652 VISIT NUM 1 CONSECUTIVE NUM 117  
 LATITUDE 56 DEGREES 1.25 MINUTES  
 LONGITUDE 76 DEGREES 50.00 MINUTES  
 SOUNDING 129.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIP 40 DEG  
 TEMP DRY 7.6 C TEMP WET 7.4 C  
 PRESSURE 1013.7 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.3 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1221	1.1	8.480	23.174	17.986
1222	2.0	8.220	24.253	18.862
1222	3.2	8.170	24.308	18.912
1222	5.1	8.170	24.396	18.980
1222	6.5	8.160	24.402	18.986
1222	8.3	8.140	24.427	19.008
1222	10.2	7.680	24.561	19.170
1222	11.9	5.490	25.618	20.240
1222	13.4	5.430	26.672	21.075
1222	15.0	5.120	27.196	21.519
1222	16.7	5.120	27.436	21.708
1222	18.5	4.300	27.803	22.075
1222	20.4	4.160	28.007	22.249
1222	21.9	3.950	28.100	22.340
1222	23.3	2.900	28.345	22.618
1223	25.2	1.740	28.613	22.907
1223	26.7	1.310	28.900	23.160
1223	28.3	1.100	29.013	23.261
1223	29.9	.910	29.136	23.369
1223	31.6	.550	29.339	23.548
1223	33.3	.180	29.622	23.791
1223	36.1	-.220	29.927	24.050
1223	37.9	-.360	30.064	24.165
1223	38.2	-.370	30.074	24.174
1223	44.3	-.610	30.309	24.371
1223	51.2	-.920	30.589	24.605
1224	58.1	-1.050	30.760	24.746
1224	64.6	-1.220	31.033	24.971
1224	71.3	-1.270	31.184	25.094
1224	79.2	-1.320	31.290	25.181
1224	85.0	-1.350	31.376	25.251
1224	91.8	-1.390	31.488	25.343
1225	98.7	-1.400	31.538	25.384
1225	100.5	-1.400	31.552	25.395
1226	103.3	-1.420	31.556	25.399
1226	104.0	-1.420	31.571	25.411



STATION NO. 6661 1 118 MONTH 8 DAY 16



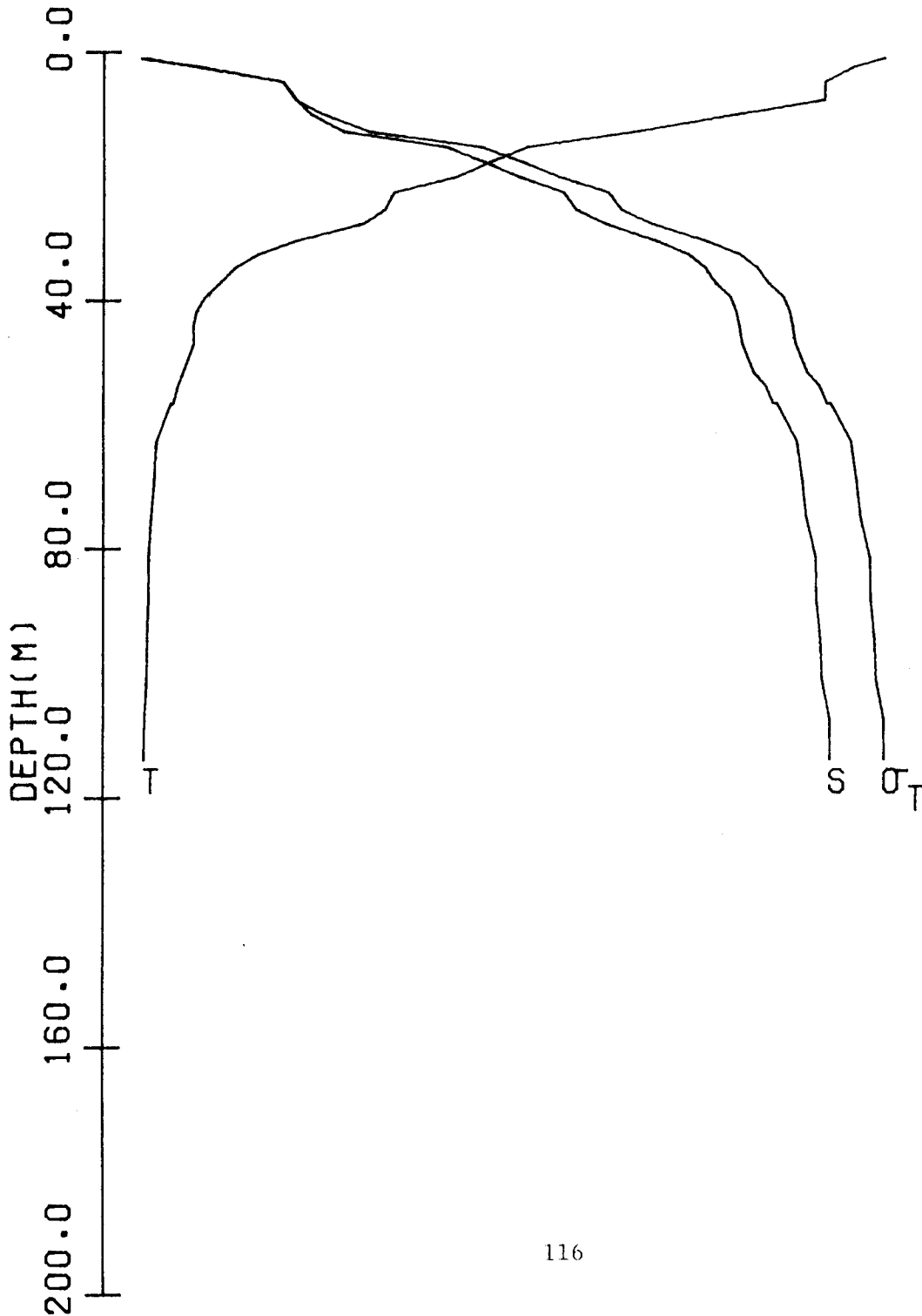
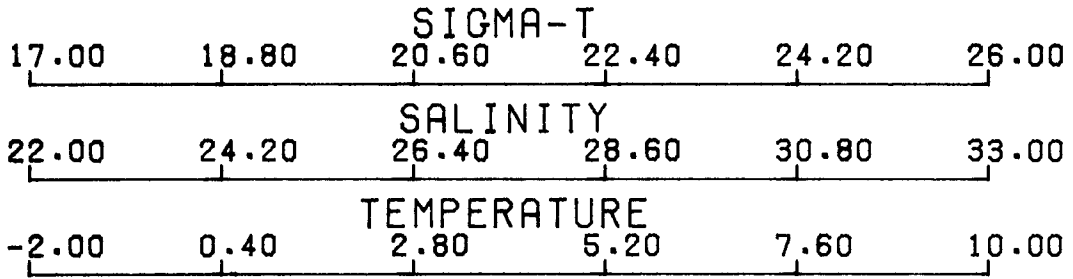
AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6661 VISIT NUM 1 CONSECUTIVE NUM 118  
 LATITUDE 56 DEGREES 3.25 MINUTES  
 LONGITUDE 76 DEGREES 45.25 MINUTES  
 SOUNDING 129.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 40 DEG  
 TEMP OFY 8.6 C TEMP WET 3.4 C  
 PRESSURE 1013.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
13 0	0.0	8.500	24.075	18.688
13 3	1.1	8.480	24.086	18.690
13 3	3.3	8.340	24.345	18.916
13 3	5.5	8.190	24.459	19.027
13 3	7.7	8.140	24.468	19.040
13 3	9.9	8.060	25.060	19.743
13 3	11.1	5.850	26.753	21.096
13 3	13.3	4.460	27.106	21.510
13 3	15.5	3.250	27.536	21.949
13 3	17.7	2.090	28.313	22.647
13 3	19.9	1.760	28.503	22.816
13 3	22.1	.840	29.025	23.283
13 3	24.3	.430	29.398	23.601
13 3	26.5	.020	29.805	23.944
13 3	28.7	-.470	30.074	24.177
13 4	30.9	-.880	30.125	24.218
13 4	33.1	-.550	30.251	24.322
13 4	35.3	-.670	30.369	24.421
13 4	37.5	-.720	30.418	24.462
13 4	39.7	-.760	30.470	24.505
13 4	41.9	-.780	30.489	24.521
13 4	44.1	-.890	30.598	24.612
13 4	46.3	-1.040	30.655	24.661
13 4	48.5	-1.110	30.393	24.855
13 4	50.7	-1.260	31.146	25.063
13 4	52.9	-1.320	31.278	25.171
13 4	55.1	-1.350	31.377	25.252
13 4	57.3	-1.360	31.414	25.282
13 4	59.5	-1.400	31.480	25.337
13 4	61.7	-1.400	31.508	25.359
13 4	63.9	-1.410	31.532	25.379
13 4	66.1	-1.390	31.597	25.431

S

STATION NO. 6662 1 119 MONTH 8 DAY 16

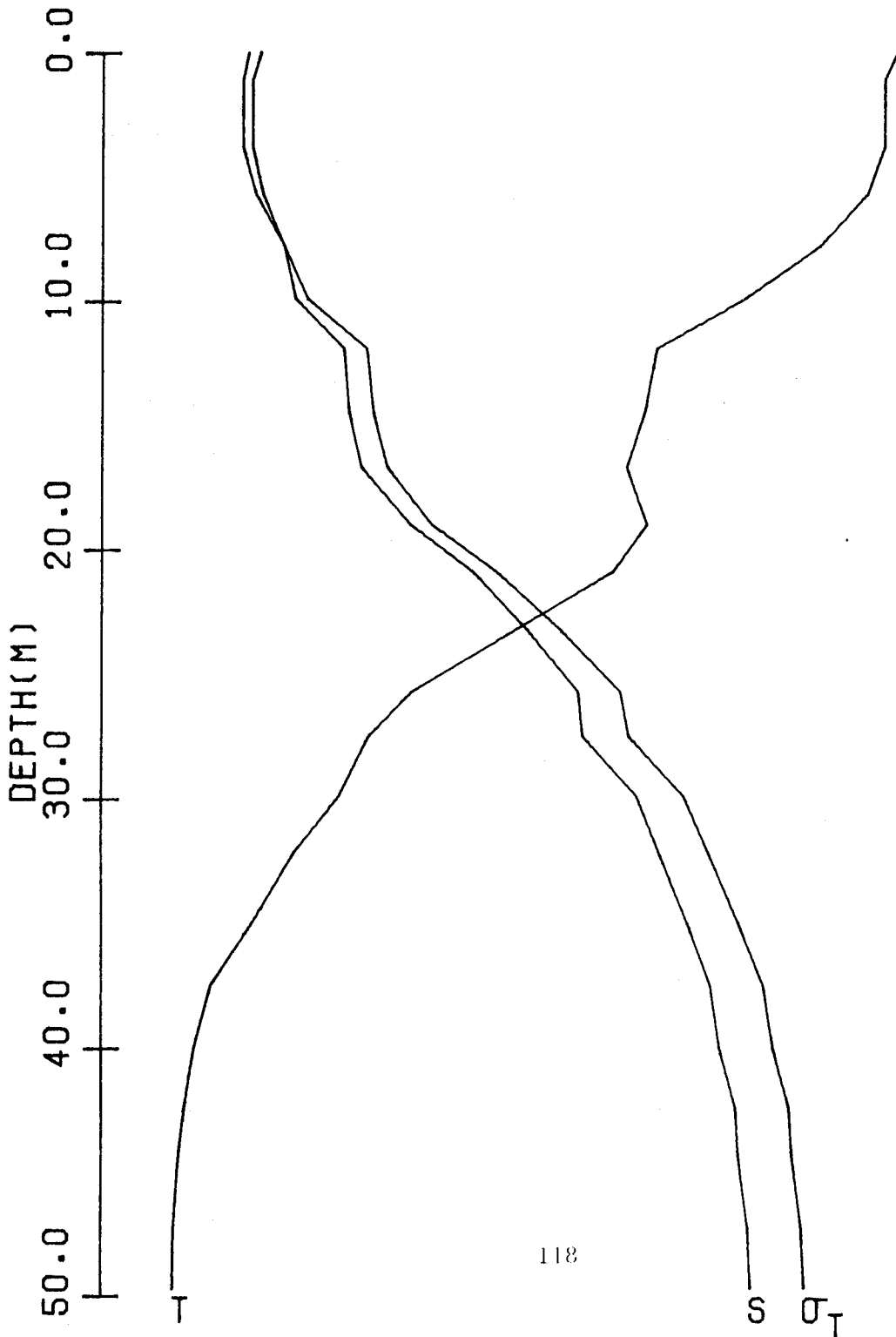
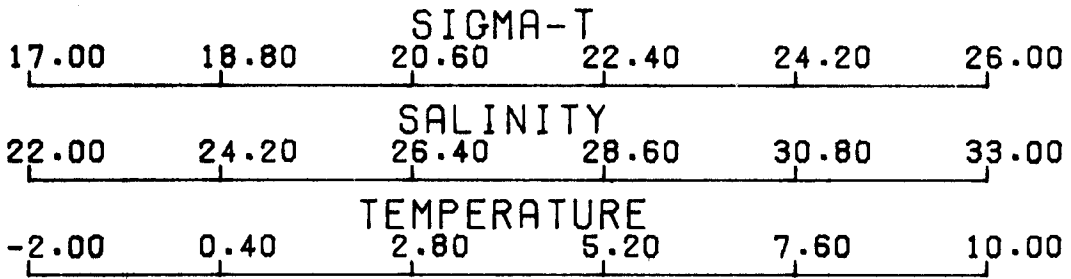


AREA SQUARE NUM 56075  
 DATE 9 MONTH 16 DAY  
 STATION NUM 6662 VISIT NUM 1 CONSECUTIVE NUM 119  
 LATITUDE 56 DEGREES 6.50 MINUTES  
 LONGITUDE 76 DEGREES 42.50 MINUTES  
 SOUNDING 128.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 11 KNTS WIND DIR 40 DEG  
 TEMP DRY 9.0 C TEMP WET 8.9 C  
 PRESSURE 1013.7 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1339	1.1	9.220	22.558	17.412
1339	2.5	8.780	23.246	18.006
1339	5.0	8.350	24.359	18.928
1339	7.9	8.350	24.533	19.064
1339	10.3	7.070	24.726	19.371
1339	13.0	5.650	25.154	19.859
1340	15.5	4.070	26.503	21.066
1340	18.0	3.520	27.016	21.516
1340	20.3	3.050	27.462	21.905
1340	22.8	2.150	28.049	22.432
1340	25.6	2.020	28.216	22.574
1340	27.8	1.720	28.531	22.890
1340	30.5	.770	29.253	23.469
1340	32.7	.210	29.631	23.845
1340	34.9	-.130	29.923	24.044
1340	37.4	-.340	30.058	24.160
1340	39.7	-.560	30.262	24.331
1340	42.0	-.680	30.377	24.395
1340	44.3	-.720	30.376	24.428
1340	47.0	-.710	30.408	24.453
1340	49.4	-.790	30.487	24.516
1341	51.8	-.870	30.567	24.586
1341	53.9	-.940	30.723	24.714
1341	56.7	-1.010	30.821	24.795
1341	56.7	-1.040	30.857	24.833
1341	62.0	-1.250	31.138	25.057
1341	69.2	-1.280	31.210	25.116
1341	75.0	-1.320	31.263	25.159
1342	81.6	-1.360	31.388	25.261
1342	88.3	-1.360	31.399	25.270
1342	94.6	-1.370	31.450	25.312
1342	101.1	-1.380	31.472	25.330
1342	107.4	-1.410	31.573	25.412
1342	113.9	-1.420	31.575	25.414

STATION NO. 6641 1 120 MONTH 8 DAY 16

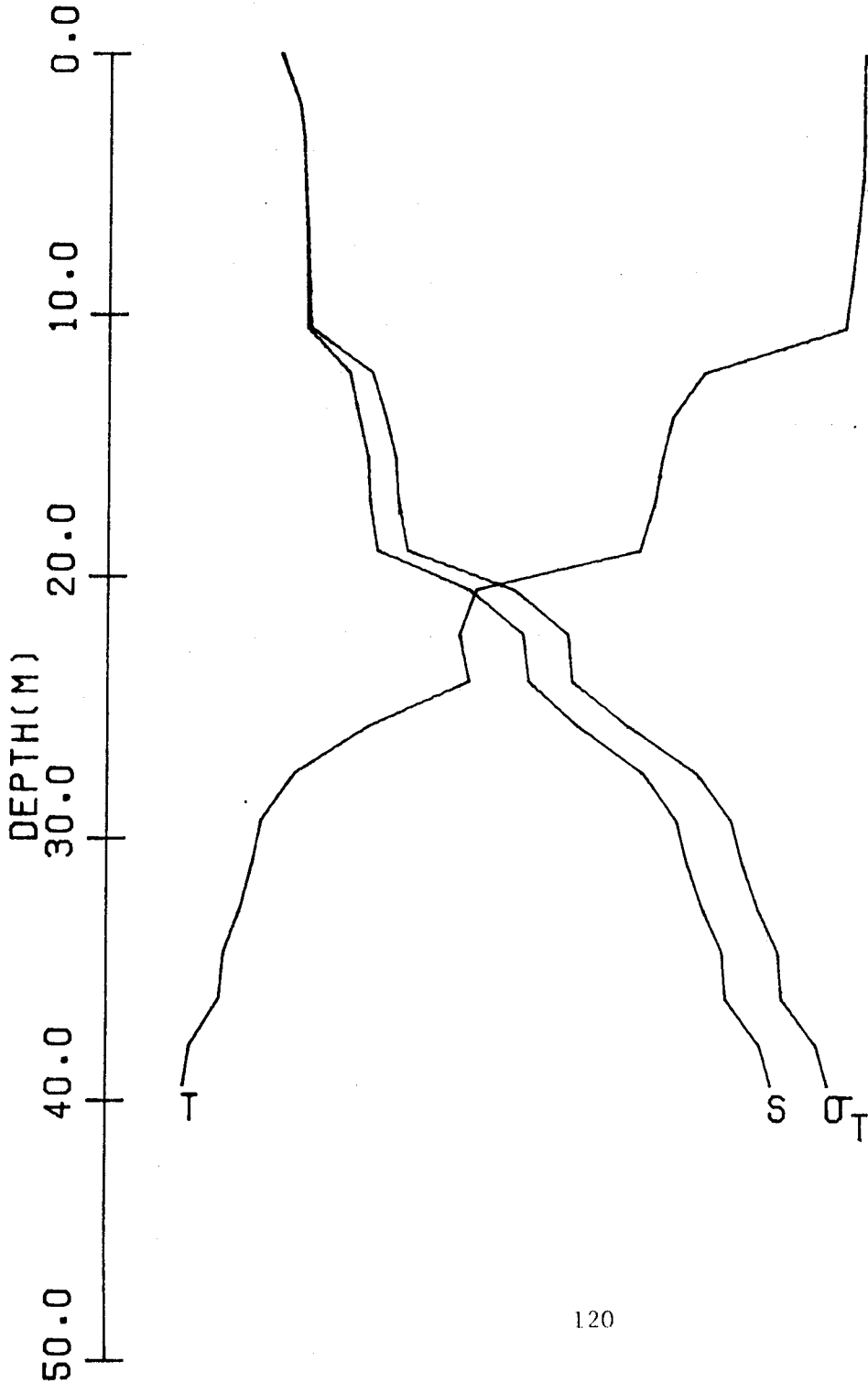
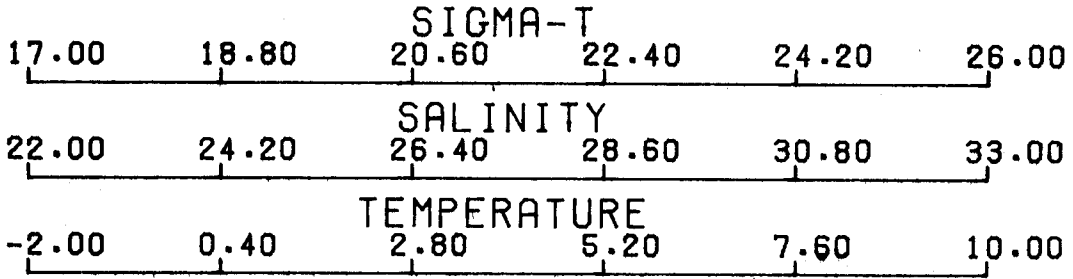


AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6641 VISIT NUM 1 CONSECUTIVE NUM 120  
 LATITUDE 55 DEGREES 50.25 MINUTES  
 LONGITUDE 77 DEGREES 1.75 MINUTES  
 SOUNDING 64.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 350 DEG  
 TEMP DRY 9.1 C TEMP WET 9.0 C  
 PRESSURE 1014.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1534	0.0	9.400	24.070	18.562	S
1538	1.1	9.220	23.961	18.503	
1538	2.0	9.220	23.961	18.503	
1538	3.8	9.220	23.961	18.503	
1538	5.7	8.980	24.101	18.644	
1538	7.9	9.300	24.382	18.953	
1538	9.9	7.220	24.529	19.200	
1538	11.9	5.950	25.156	19.638	
1538	14.5	5.780	25.233	19.908	
1538	16.7	5.530	25.397	20.062	
1538	19.0	5.830	25.049	20.544	
1538	20.0	5.340	26.972	21.242	
1538	23.2	3.950	27.577	21.926	
1538	25.7	2.440	28.260	22.582	
1538	27.5	1.810	28.324	22.672	
1539	29.9	1.390	29.039	23.267	
1539	32.2	.740	29.336	23.537	
1539	35.0	.150	29.707	23.860	
1539	37.5	-.440	30.015	24.129	
1539	40.0	-.680	30.138	24.235	
1539	42.4	-.820	30.349	24.409	
1539	44.3	-.900	30.385	24.440	
1539	47.3	-.970	30.512	24.544	
1539	49.7	-.980	30.549	24.574	

STATION NO. 6631 1 121 MONTH 8 DAY 16



AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6631 VISIT NUM 1 CONSECUTIVE NUM 121  
 LATITUDE 55 DEGREES 40.20 MINUTES  
 LONGITUDE 77 DEGREES 13.50 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

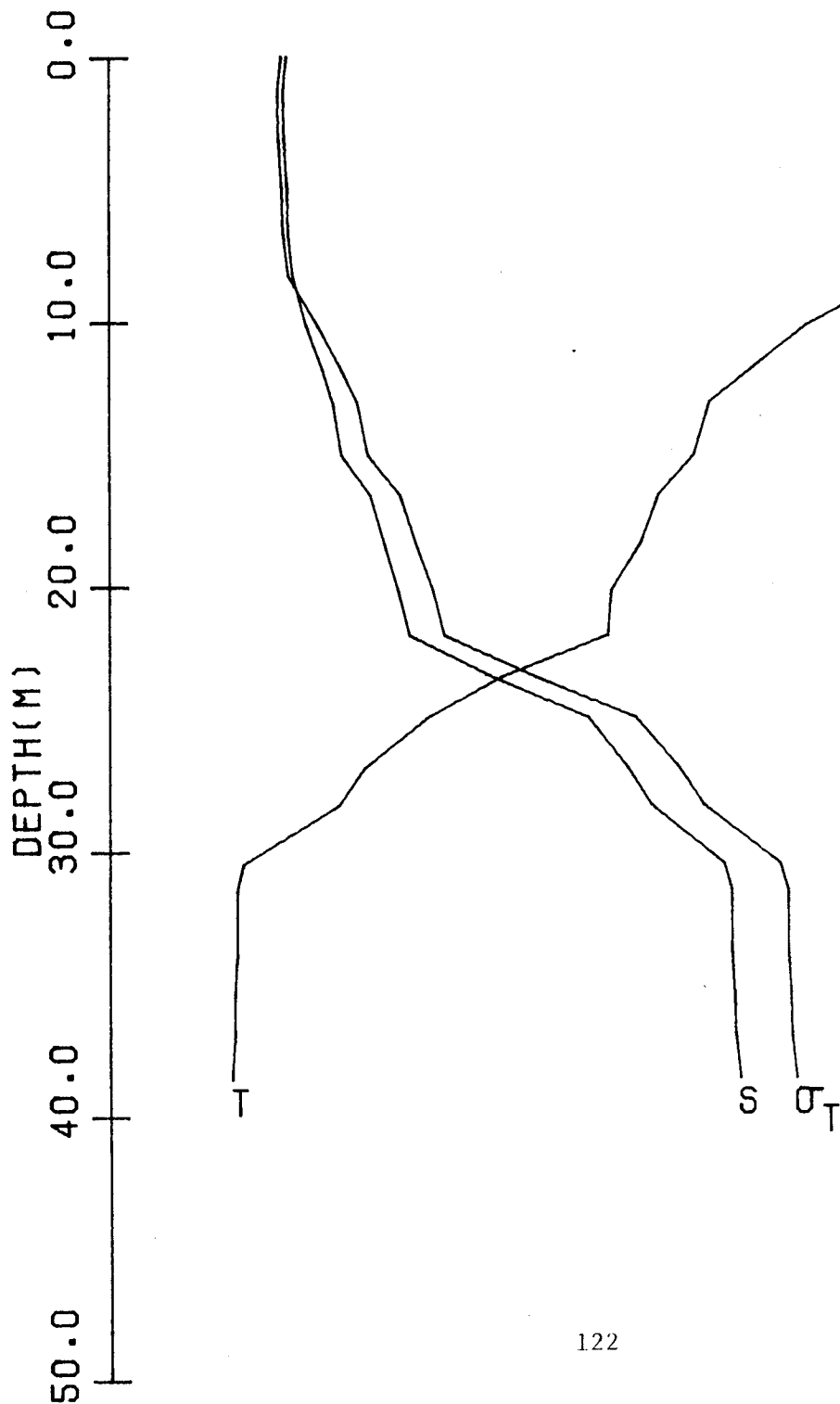
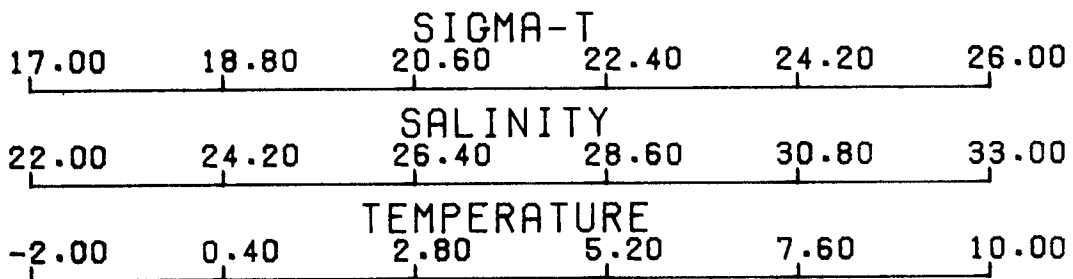
PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 350 DEG  
 TEMP DRY 9.2 C TEMP WET 9.0 C  
 PRESSURE 1014.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1654	0.0	8.300	24.125	18.752
1660	1.0	8.290	24.358	18.935
1660	3.2	8.290	24.412	18.978
1660	4.7	8.280	24.427	18.990
1660	6.7	8.210	24.455	19.021
1660	8.8	8.130	24.456	19.040
1660	10.5	8.050	24.477	19.050
17 0	12.2	6.120	25.004	19.693
17 0	13.0	5.690	25.124	19.831
17 0	15.4	5.560	25.233	19.930
17 0	17.1	5.460	25.260	19.961
17 0	19.0	5.250	25.359	20.059
17 0	20.5	3.010	26.517	21.157
17 0	22.2	2.790	27.197	21.713
17 1	24.0	2.920	27.255	21.758
17 1	25.7	1.560	27.885	22.335
17 1	27.5	.550	28.708	23.042
17 1	29.3	.090	29.127	23.396
17 1	30.9	-.020	29.258	23.505
17 1	32.7	-.190	29.463	23.676
17 1	34.5	-.410	29.705	23.878
17 1	36.1	-.670	29.974	23.914
17 1	37.9	-.870	30.186	24.279
17 1	39.4	-.950	30.323	24.391

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STATION NO. 6621 1 122 MONTH 8 DAY 16



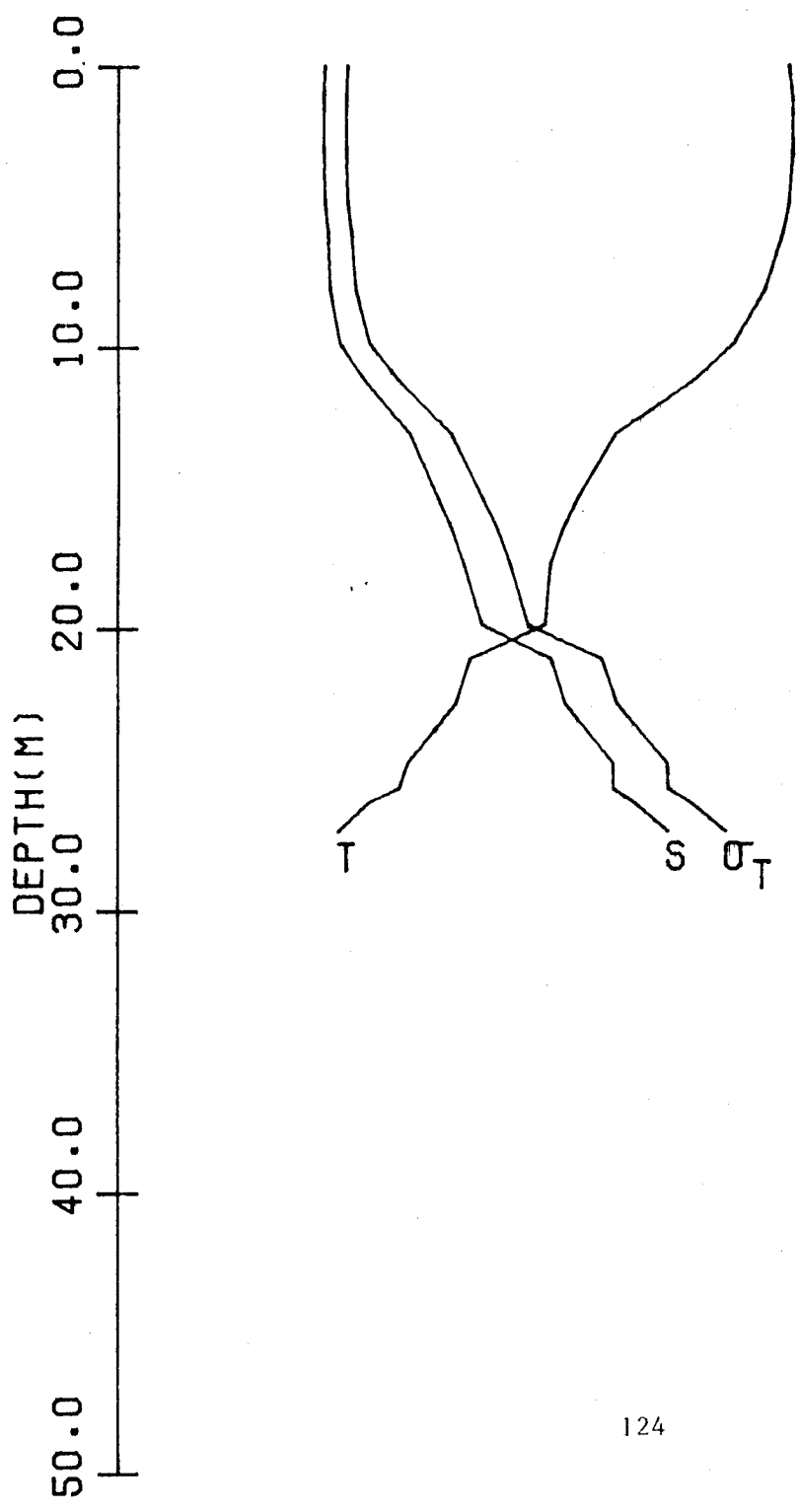
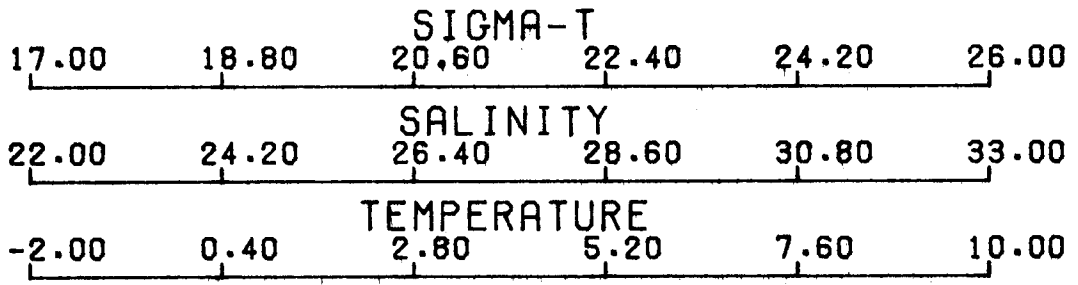
AREA SQUARE NUM 52076  
 DATE 9 MONTH 16 DAY  
 STATION NUM 6621 VISIT NUM 1 CONSECUTIVE NUM 122  
 LATITUDE 55 DEGREES 34.03 MINUTES  
 LONGITUDE 77 DEGREES 24.00 MINUTES  
 SOUNDING 67.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 360 DEG  
 TEMP DRY 9.2 C TEMP WET 9.0 C  
 PRESSURE 1015.6 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1758	0.0	8.800	24.184	18.733
18 0	1.3	8.830	24.142	18.696
18 0	3.1	8.830	24.155	18.707
18 0	5.0	8.810	24.194	18.740
18 1	6.6	8.780	24.204	18.751
18 1	8.3	8.700	24.258	18.804
18 1	10.2	7.390	24.431	19.103
18 1	11.8	6.660	24.622	19.336
18 1	13.1	5.080	24.755	19.502
18 1	15.1	5.870	24.861	19.606
18 1	16.8	5.390	25.218	19.934
18 1	18.4	5.150	25.387	20.090
18 1	20.2	4.750	25.551	20.264
18 1	21.0	4.710	25.700	20.377
18 1	23.5	3.250	26.748	21.324
18 1	25.0	2.270	27.917	22.320
18 1	26.0	1.410	28.406	22.760
18 1	28.0	1.070	28.690	23.004
18 1	30.0	-.220	29.590	23.779
18 2	31.0	-.300	29.583	23.857
18 2	33.0	-.300	29.683	23.857
18 2	35.4	-.330	29.710	23.879
18 2	36.0	-.330	29.719	23.887
18 2	38.6	-.360	29.780	23.937

S

STATION NO. 611 1 123 MONTH 8 DAY 17

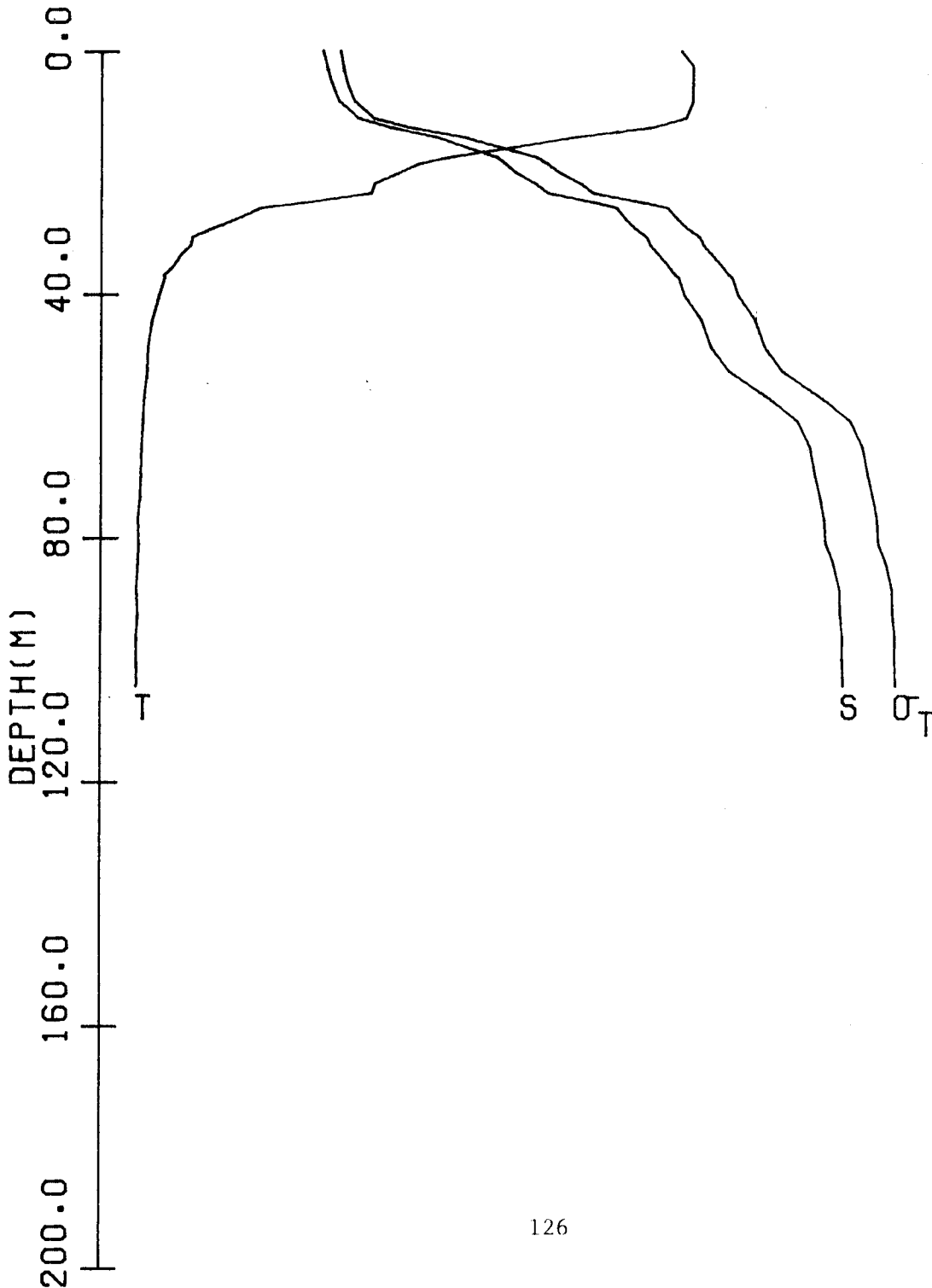
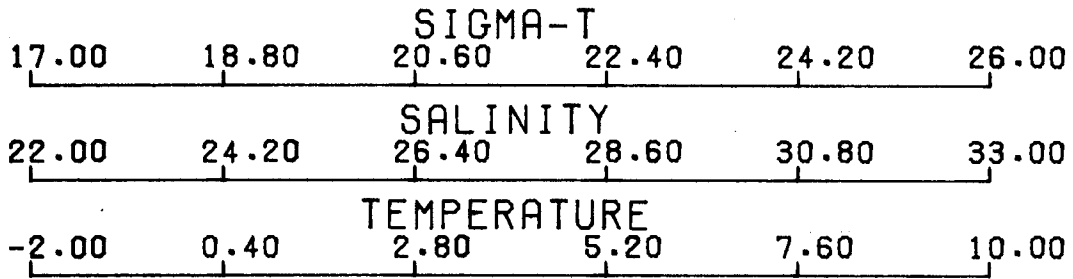


AREA SQUARE NUM 52076  
 DATE 8 MONTH 17 DAY  
 STATION NUM 611 VISIT NUM 1 CONSECUTIVE NUM 123  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 79 DEGREES 54.00 MINUTES  
 SOUNDING 32.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 4 DEG  
 TEMP DEW 6.9 C TEMP WET 6.0 C  
 PRESSURE 1019.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGTAT
520	0.0	6.500	24.394	19.174
523	1.1	6.540	24.381	19.160
523	3.0	6.540	24.381	19.160
523	4.9	6.490	24.393	19.175
523	5.9	6.420	24.431	19.212
523	8.0	6.180	24.453	19.254
523	9.0	6.790	24.572	19.387
523	11.2	5.290	24.857	19.660
523	13.1	4.290	25.387	20.165
523	15.4	3.810	25.711	20.460
523	16.5	3.620	25.873	20.603
523	17.7	3.470	26.005	20.718
523	19.9	3.410	26.216	20.890
523	21.1	2.450	27.023	21.597
523	22.7	2.270	27.189	21.740
523	24.8	1.660	27.745	22.218
524	25.7	1.550	27.748	22.226
524	26.2	1.170	27.993	22.441
524	27.2	.780	28.387	22.775

STATION NO. 612 1 124 MONTH 8 DAY 17



AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 612 VISIT NUM 1 CONSECUTIVE NUM 124  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 7.17 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

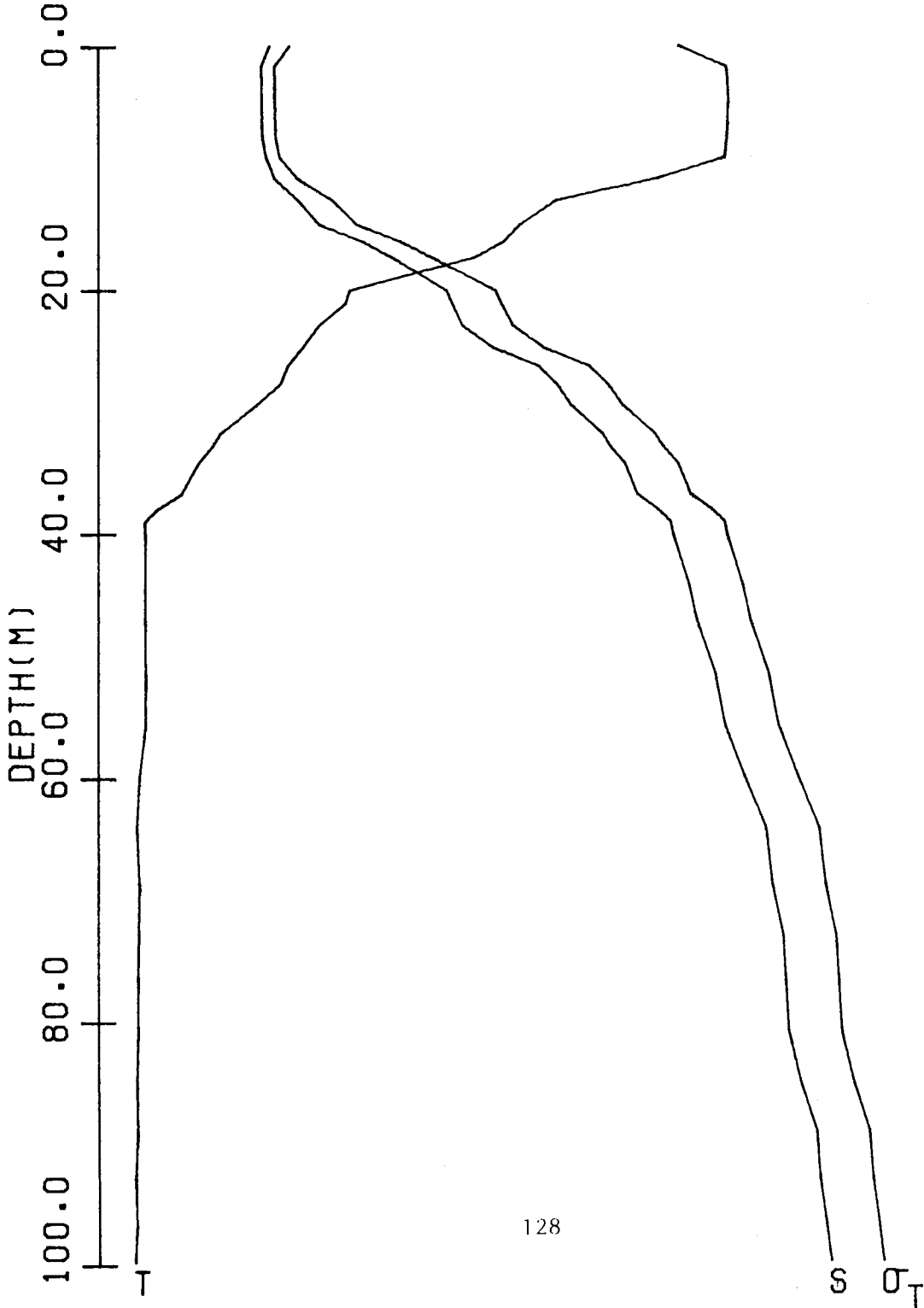
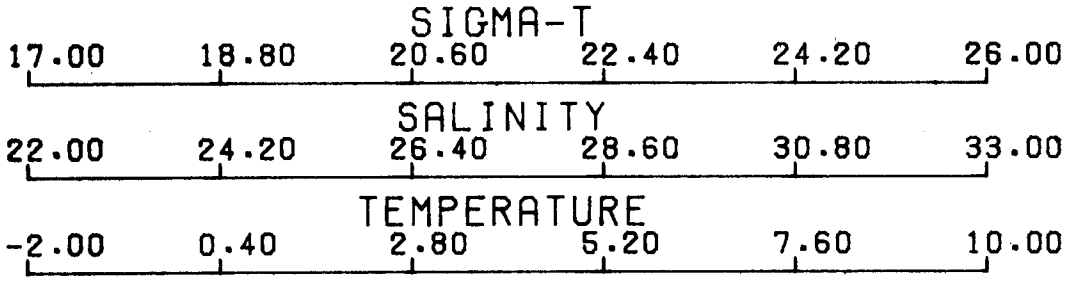
PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 359 DEG  
 TEMP DRY 7.1 C TEMP WET 6.1 C  
 PRESSURE 1021.2 M BAR WAVE HEIGHT .8 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
6220	0.0	6.500	24.351	19.619
6222	2.4	6.670	25.019	19.646
6222	2.7	6.670	25.019	19.646
6222	4.7	6.670	25.063	19.680
6222	6.1	6.660	25.105	19.714
6223	8.3	6.660	25.164	19.776
6223	9.3	6.650	25.204	19.858
6223	11.1	6.650	25.440	19.988
6223	12.6	6.670	25.867	20.376
6223	14.2	6.960	26.484	20.973
6223	16.0	6.950	26.935	21.418
6223	17.6	6.070	27.319	21.790
6223	18.7	22.620	27.433	21.912
6223	20.1	22.350	27.675	22.042
6223	21.9	1.990	27.933	22.270
6223	23.5	1.940	28.012	22.416
6223	25.0	1.980	28.625	22.956
6223	25.9	1.320	28.924	23.224
6223	27.3	1.050	29.051	23.340
6223	29.3	1.400	29.174	23.450
6224	30.7	1.680	29.330	23.583
6224	32.1	1.700	29.378	23.622
6224	33.3	1.840	29.484	23.711
6224	35.3	1.940	29.611	23.816
6224	36.9	-1.090	29.714	23.903
6224	37.4	-1.980	29.761	23.940
6224	40.2	-1.160	29.839	24.005
6224	44.2	-1.260	30.058	24.192
6224	48.6	-1.320	30.197	24.297
6225	52.9	-1.330	30.439	24.493
6225	56.7	-1.370	30.945	24.903
6225	60.8	-1.390	31.373	25.250
6225	65.1	-1.410	31.539	25.385
6225	69.5	-1.420	31.606	25.439
6225	73.1	-1.430	31.672	25.493
6225	76.9	-1.460	31.732	25.542
6226	80.9	-1.450	31.748	25.555
6226	83.9	-1.460	31.846	25.634
6226	88.0	-1.480	31.937	25.708
6226	92.3	-1.460	31.944	25.713
6226	96.3	-1.480	31.974	25.738
6227	100.3	-1.480	31.974	25.738
6227	103.7	-1.470	31.981	25.744
6227	104.3	-1.480	31.982	25.745

STATION NO.

613 1 125

MONTH 8 DAY 17



AREA SQUARE NUM 52083  
 DATE 8 MONTH 17 DAY  
 STATION NUM 613 VISIT NUM 1 CONSECUTIVE NUM 125  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 20.13 MINUTES  
 SOUNDING 111.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

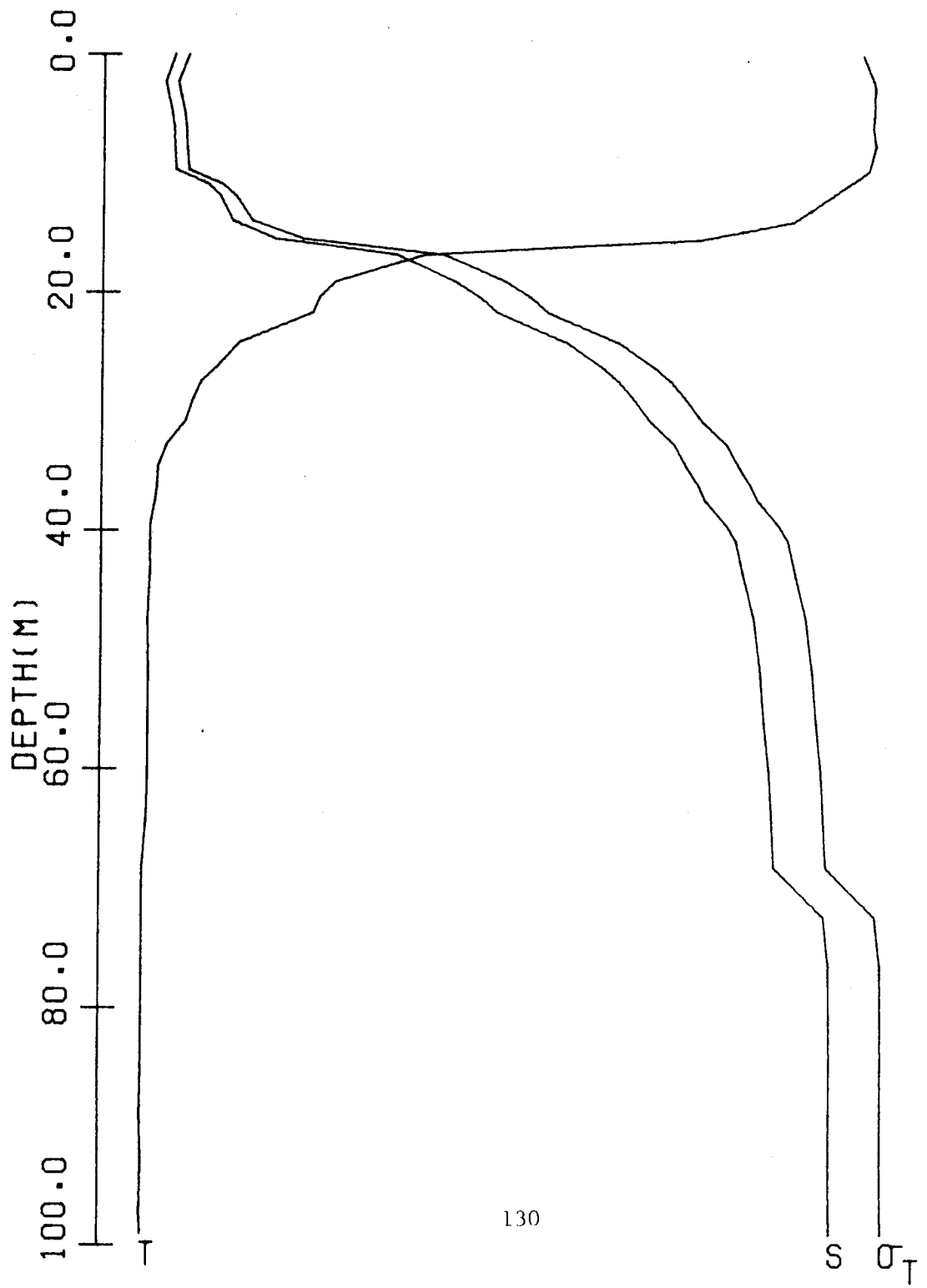
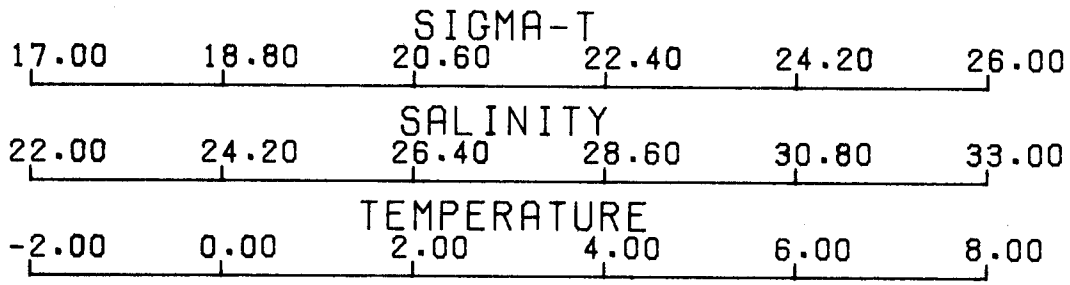
PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 9 DEG  
 TEMP OFY 7.1 C TEMP WET 6.1 C  
 PRESSURE 1021.2 M BAR WAVE HEIGHT .6 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
720	0.0	6.500	24.285	19.089
720	1.7	7.200	24.175	18.925
720	2.7	7.210	24.180	18.928
721	4.3	7.220	24.182	18.928
721	6.4	7.210	24.188	18.934
721	7.6	7.200	24.195	18.941
721	9.2	7.170	24.248	18.986
721	10.9	6.180	24.360	19.181
721	12.7	4.700	24.676	19.570
721	14.7	4.160	24.936	19.830
721	16.1	3.930	25.542	20.317
721	17.4	3.500	25.944	20.668
721	20.1	1.660	26.677	21.365
721	21.2	1.600	26.753	21.429
721	23.0	1.210	26.887	21.555
721	24.8	.970	27.310	21.904
721	26.3	.760	27.915	22.397
721	27.3	.650	28.164	22.602
722	29.3	.300	28.347	22.762
722	31.2	-.220	28.762	23.113
722	32.0	-.340	28.876	23.208
722	34.3	-.550	29.075	23.374
722	36.8	-.790	29.234	23.509
722	38.1	-1.160	29.522	23.749
722	39.1	-1.330	29.689	23.887
722	40.1	-1.320	29.723	23.914
722	44.3	-1.320	29.938	24.088
722	47.1	-1.320	30.038	24.169
723	51.5	-1.310	30.288	24.371
723	55.7	-1.310	30.417	24.475
723	59.9	-1.400	30.682	24.691
723	64.1	-1.440	30.959	24.924
723	68.8	-1.400	31.056	24.994
723	72.9	-1.410	31.137	25.108
724	76.4	-1.420	31.234	25.138
724	80.9	-1.420	31.277	25.173
724	85.1	-1.440	31.441	25.306
724	89.0	-1.430	31.649	25.474
724	92.6	-1.460	31.697	25.513
724	96.7	-1.450	31.784	25.584
725	99.7	-1.470	31.847	25.635

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STATION NO. 614 1 126 MONTH 8 DAY 17



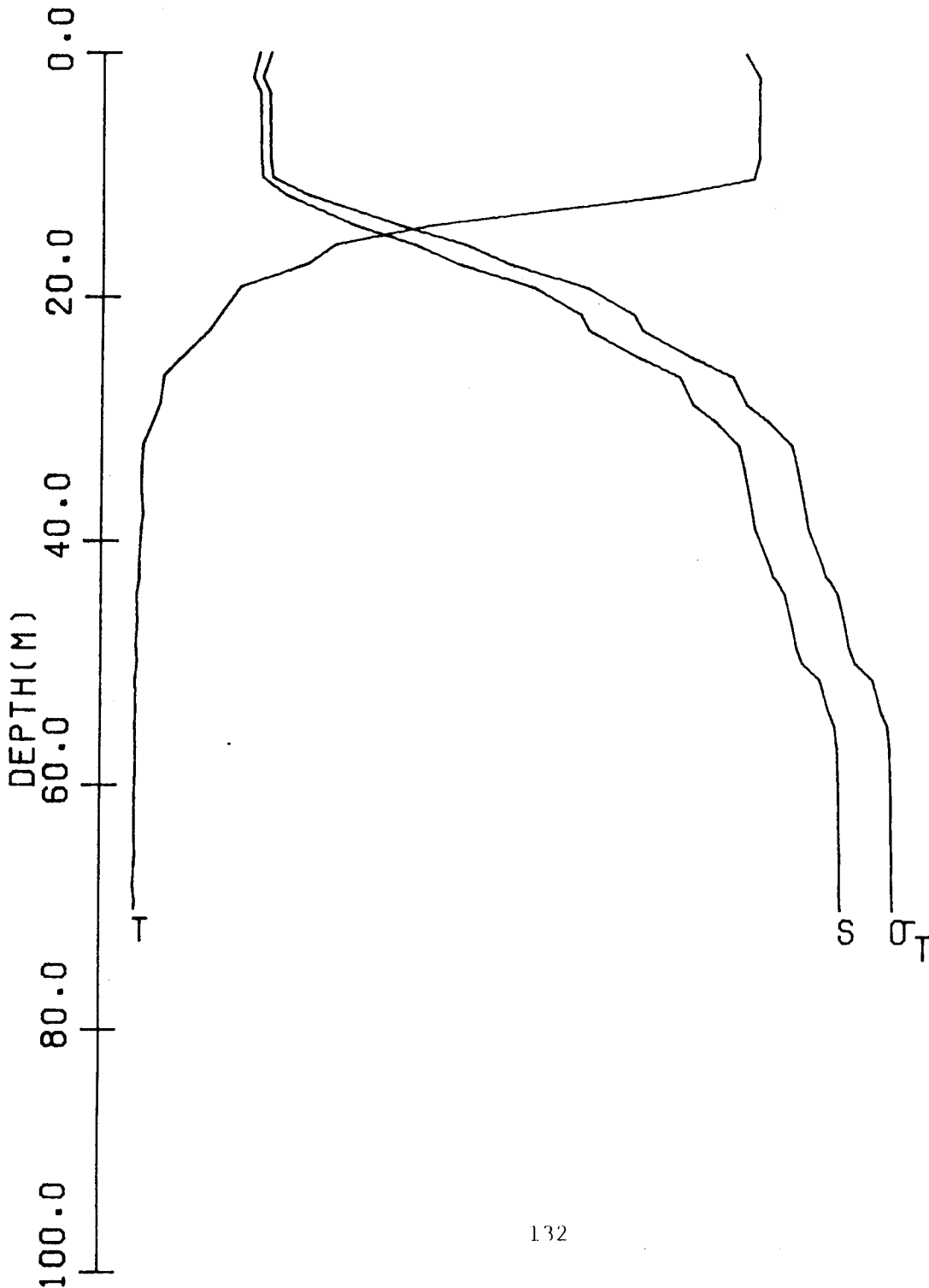
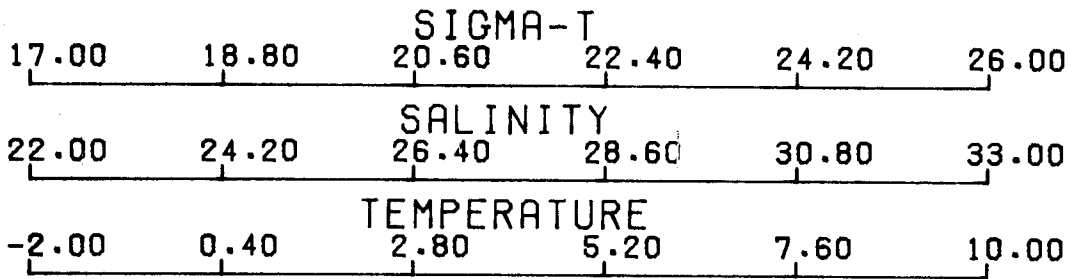
AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 614 VISIT NUM 1 CONSECUTIVE NUM 128  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 38.50 MINUTES  
 SOUNDING 105.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 357 DEG  
 TEMP DRY 7.2 C TEMP WET 7.2 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
833	0.0	7.560	22.970	17.948
840	2.3	7.640	22.940	17.830
840	2.7	7.650	22.854	17.840
840	4.8	7.640	22.927	17.898
840	6.1	7.630	22.956	17.922
840	7.6	7.660	22.966	17.926
840	9.7	7.580	22.988	17.953
840	10.9	7.320	23.428	18.327
841	11.9	7.100	23.602	18.488
841	14.0	6.630	23.776	18.676
841	15.5	5.490	24.355	19.246
841	16.8	2.030	26.028	20.328
841	19.1	.900	26.849	21.538
841	20.4	.700	27.134	21.814
841	21.7	.620	27.431	22.015
841	24.2	-.290	28.382	22.809
841	26.3	-.580	28.881	23.219
841	27.4	-.760	29.035	23.396
841	29.8	-.860	29.291	23.556
841	30.9	-.970	29.555	23.772
841	32.7	-1.190	29.873	24.033
841	34.6	-1.300	30.040	24.170
841	36.2	-1.310	30.209	24.307
842	37.4	-1.330	30.302	24.382
842	39.5	-1.390	30.595	24.620
842	40.8	-1.390	30.726	24.726
842	43.7	-1.390	30.827	24.808
842	47.4	-1.420	30.987	24.938
842	51.0	-1.410	31.077	25.011
842	56.1	-1.410	31.133	25.056
843	60.1	-1.410	31.204	25.114
843	63.9	-1.420	31.241	25.144
843	68.2	-1.470	31.277	25.174
843	72.3	-1.470	31.366	25.231
843	76.4	-1.470	32.037	25.789
843	80.8	-1.470	32.044	25.795
844	84.9	-1.470	32.052	25.801
844	88.9	-1.480	32.055	25.804
844	92.9	-1.470	32.057	25.805
844	97.3	-1.480	32.065	25.812
844	99.0	-1.470	32.068	25.814

S

STATION NO. 615 1 127 MONTH 8 DAY 17



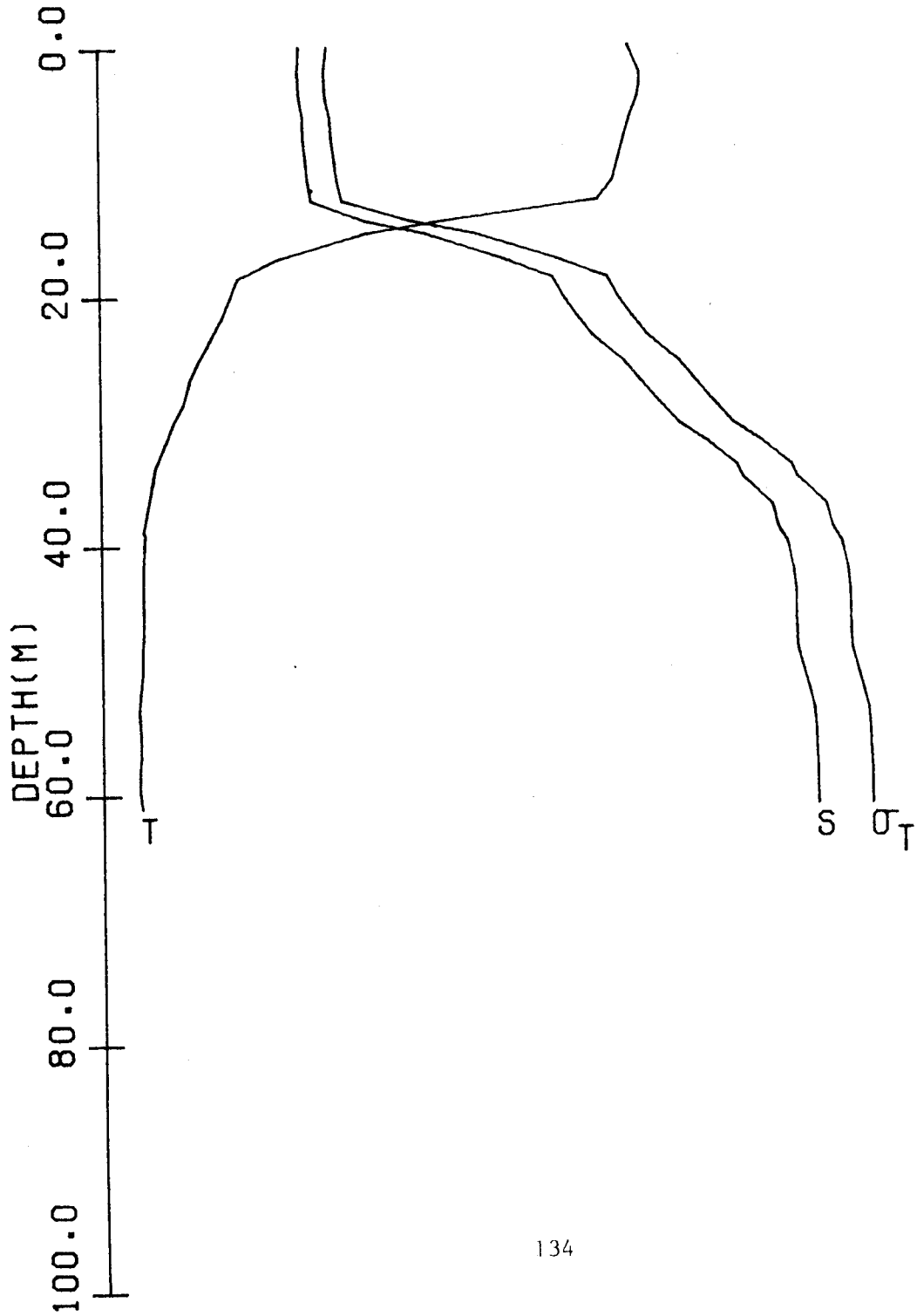
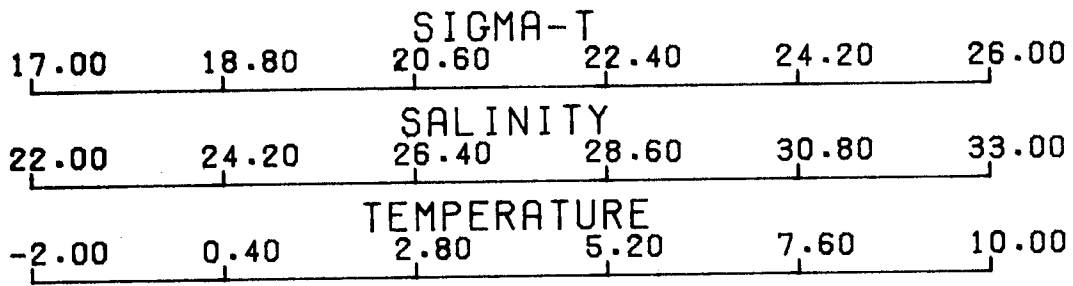
AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 615 VISIT NUM 1 CONSECUTIVE NUM 127  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 56.17 MINUTES  
 SOUNDING 82.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KYTS WIND DIR 360 DEG  
 TEMP DRY 5.8 C TEMP WET 6.7 C  
 PRESSURE 1023.0 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
9 53	0.0	7.400	24.079	18.827
10 3	1.0	7.600	23.997	18.739
10 3	2.1	7.600	23.997	18.739
10 3	3.2	7.590	24.092	18.814
10 3	4.7	7.600	24.096	18.816
10 3	6.5	7.590	24.101	18.821
10 3	8.5	7.600	24.105	18.823
10 3	10.2	7.520	24.127	18.850
10 3	11.7	6.130	24.464	19.268
10 3	14.1	2.770	25.367	20.259
10 3	15.7	1.390	26.179	20.981
10 3	17.3	.980	26.780	21.479
10 3	19.2	.010	27.788	22.323
10 4	21.4	-.270	28.421	22.840
10 4	22.7	-.430	28.528	22.931
10 4	25.0	-.850	29.226	23.503
10 4	26.5	-1.110	29.754	23.935
10 4	28.8	-1.160	29.933	24.081
10 4	30.1	-1.250	30.226	24.319
10 4	32.1	-1.400	30.551	24.585
10 4	34.1	-1.420	30.629	24.649
10 4	35.9	-1.420	30.686	24.695
10 4	37.8	-1.390	30.743	24.740
10 4	38.9	-1.420	30.773	24.765
10 5	41.7	-1.450	30.964	24.920
10 5	42.4	-1.450	31.021	24.966
10 5	43.3	-1.450	31.080	25.014
10 5	44.3	-1.480	31.184	25.099
10 5	46.6	-1.470	31.275	25.172
10 5	48.5	-1.490	31.339	25.224
10 5	49.9	-1.470	31.420	25.290
10 6	51.2	-1.500	31.657	25.482
10 6	53.8	-1.490	31.778	25.580
10 6	55.0	-1.500	31.862	25.648
10 6	56.3	-1.490	31.894	25.674
10 6	58.9	-1.490	31.907	25.684
10 7	60.9	-1.500	31.915	25.691
10 7	62.2	-1.500	31.915	25.691
10 7	64.4	-1.500	31.920	25.695
10 7	65.7	-1.490	31.928	25.701
10 7	68.2	-1.520	31.929	25.703
10 7	69.5	-1.490	31.936	25.708
10 8	70.1	-1.500	31.941	25.712

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STATION NO. 616 1 128 MONTH 8 DAY 17



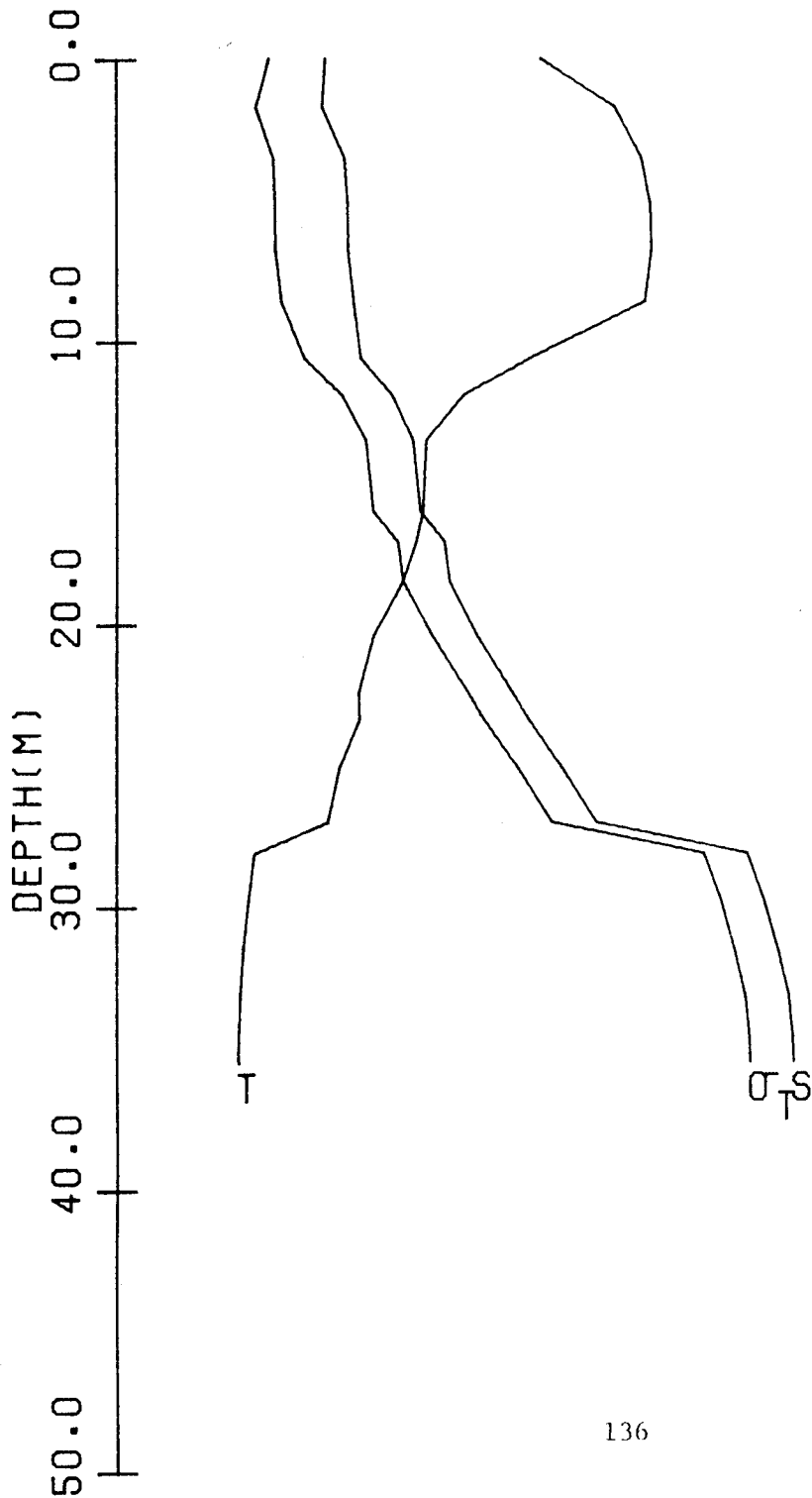
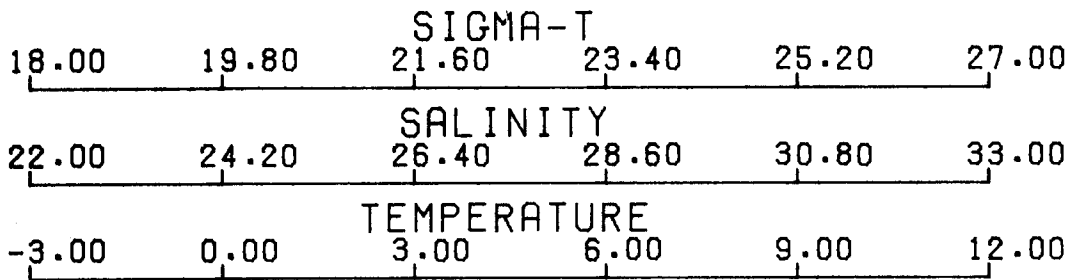
AREA SQUARE NUM 52080  
 DATE 9 MONTH 17 DAY  
 STATION NUM 616 VISIT NUM 1 CONSECUTIVE NUM 128  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 14.50 MINUTES  
 SOUNDING 66.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 244 DEG  
 TEMP DRY 6.0 C TEMP WET 6.0 C  
 PRESSURE 1024.3 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
11 7	0.0	5.600	24.529	19.451
1114	2.1	5.760	24.609	19.419
1114	3.0	5.760	24.620	19.428
1114	4.1	5.730	24.630	19.439
1114	5.6	5.620	24.675	19.485
1114	7.3	5.530	24.681	19.498
1115	9.1	5.440	24.712	19.531
1115	10.8	5.360	24.735	19.557
1115	12.4	5.140	24.779	19.612
1115	14.0	2.940	25.437	20.344
1115	15.0	1.830	26.247	21.014
1115	17.1	.520	27.304	21.917
1115	18.6	-.040	27.959	22.462
1115	20.2	-.150	28.100	22.578
1115	21.8	-.260	28.286	22.731
1115	23.3	-.410	28.482	22.893
1115	25.4	-.610	28.893	23.231
1115	26.7	-.720	29.072	23.376
1115	28.7	-.820	29.352	23.604
1115	30.4	-.930	29.608	23.815
1115	31.7	-1.070	29.943	24.087
1116	33.8	-1.230	30.377	24.441
1116	34.8	-1.260	30.451	24.501
1116	37.0	-1.340	30.338	24.816
1116	38.9	-1.400	30.916	24.860
1116	39.1	-1.380	30.937	24.897
1116	40.0	-1.390	31.034	24.976
1116	42.2	-1.410	31.112	25.039
1116	43.8	-1.410	31.140	25.062
1117	45.0	-1.410	31.141	25.063
1117	47.0	-1.410	31.148	25.068
1117	48.8	-1.430	31.158	25.077
1117	50.2	-1.430	31.231	25.136
1117	51.8	-1.460	31.305	25.196
1117	53.4	-1.480	31.369	25.248
1118	55.1	-1.460	31.393	25.267
1118	56.9	-1.460	31.401	25.274
1118	58.2	-1.480	31.412	25.283
1118	59.7	-1.480	31.412	25.283
1118	61.0	-1.450	31.417	25.287

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STATION NO. 617 1 129 MONTH 8 DAY 17



AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 617 VISIT NUM 1 CONSECUTIVE NUM 129  
 LATITUDE 54 DEGREES 44.98 MINUTES  
 LONGITUDE 81 DEGREES 31.75 MINUTES  
 SOUNDING 40.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

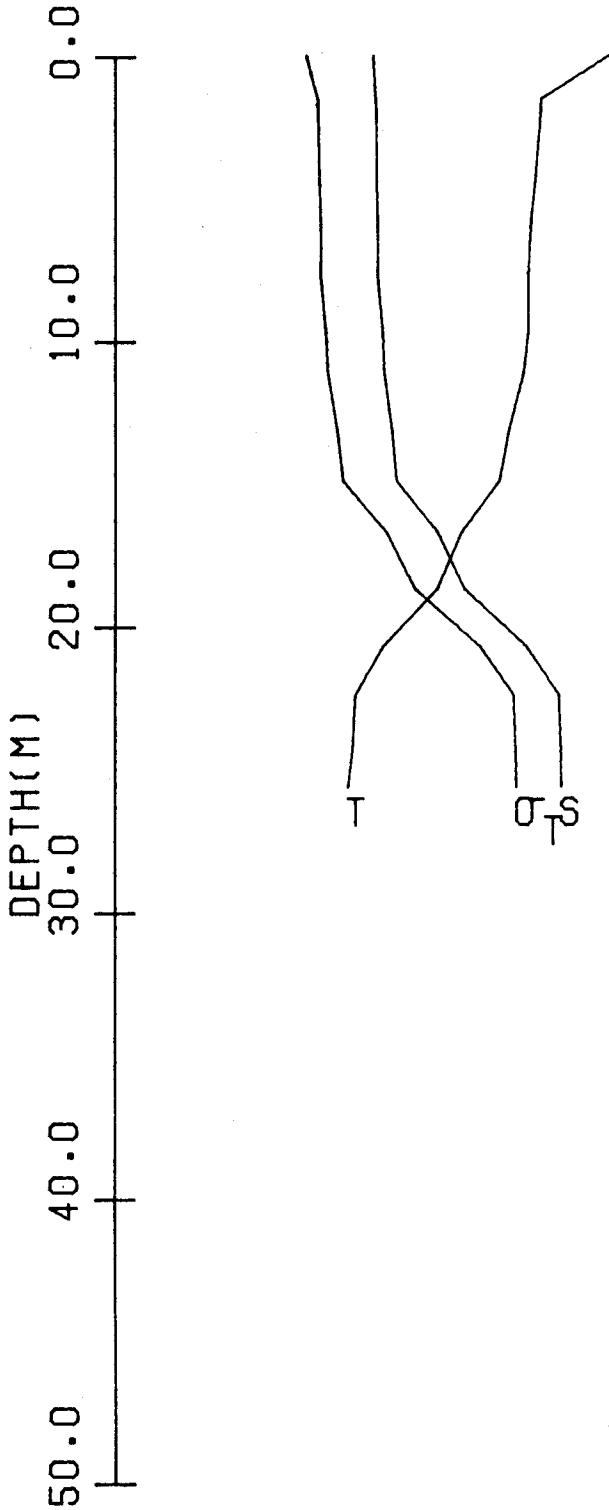
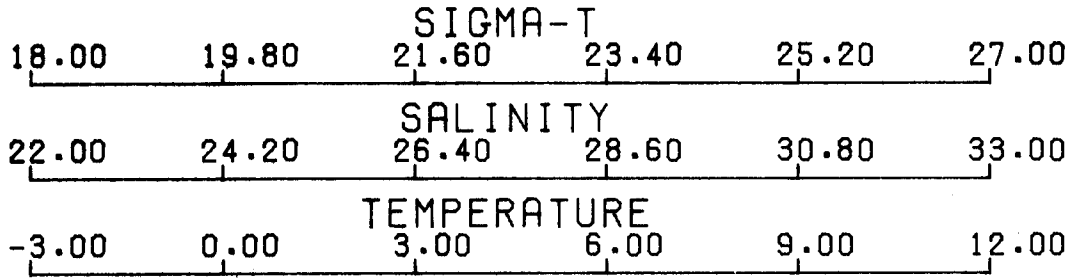
PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 20 DEG  
 TEMP DRY 5.6 C TEMP WET 5.6 C  
 PRESSURE 1024.4 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 11.0

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1231	0.0	3.700	24.411	19.439
1234	1.7	4.370	24.375	19.317
1235	3.5	5.290	24.636	19.485
1235	5.1	5.420	24.670	19.500
1235	6.7	5.440	24.675	19.502
1235	8.6	5.330	24.740	19.564
1235	10.6	3.520	24.923	19.772
1235	11.9	2.470	25.185	20.133
1235	13.5	1.870	25.430	20.360
1235	16.0	1.820	25.510	20.426
1235	17.1	1.710	25.795	20.659
1235	18.5	1.500	25.848	20.711
1235	20.4	1.040	26.164	20.984
1235	22.4	.810	26.574	21.321
1235	23.4	.820	26.737	21.475
1235	25.1	.500	27.154	21.797
1235	27.0	.320	27.546	22.118
1236	28.1	-.840	29.301	23.564
1236	29.7	-.930	29.489	23.717
1236	31.5	-1.010	29.652	23.851
1236	33.1	-1.060	29.773	23.950
1236	34.6	-1.060	29.820	23.988
1236	35.4	-1.090	29.830	23.996
1236	35.5	-1.080	29.830	23.996

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STATION NO. 618 1 130 MONTH 8 DAY 17

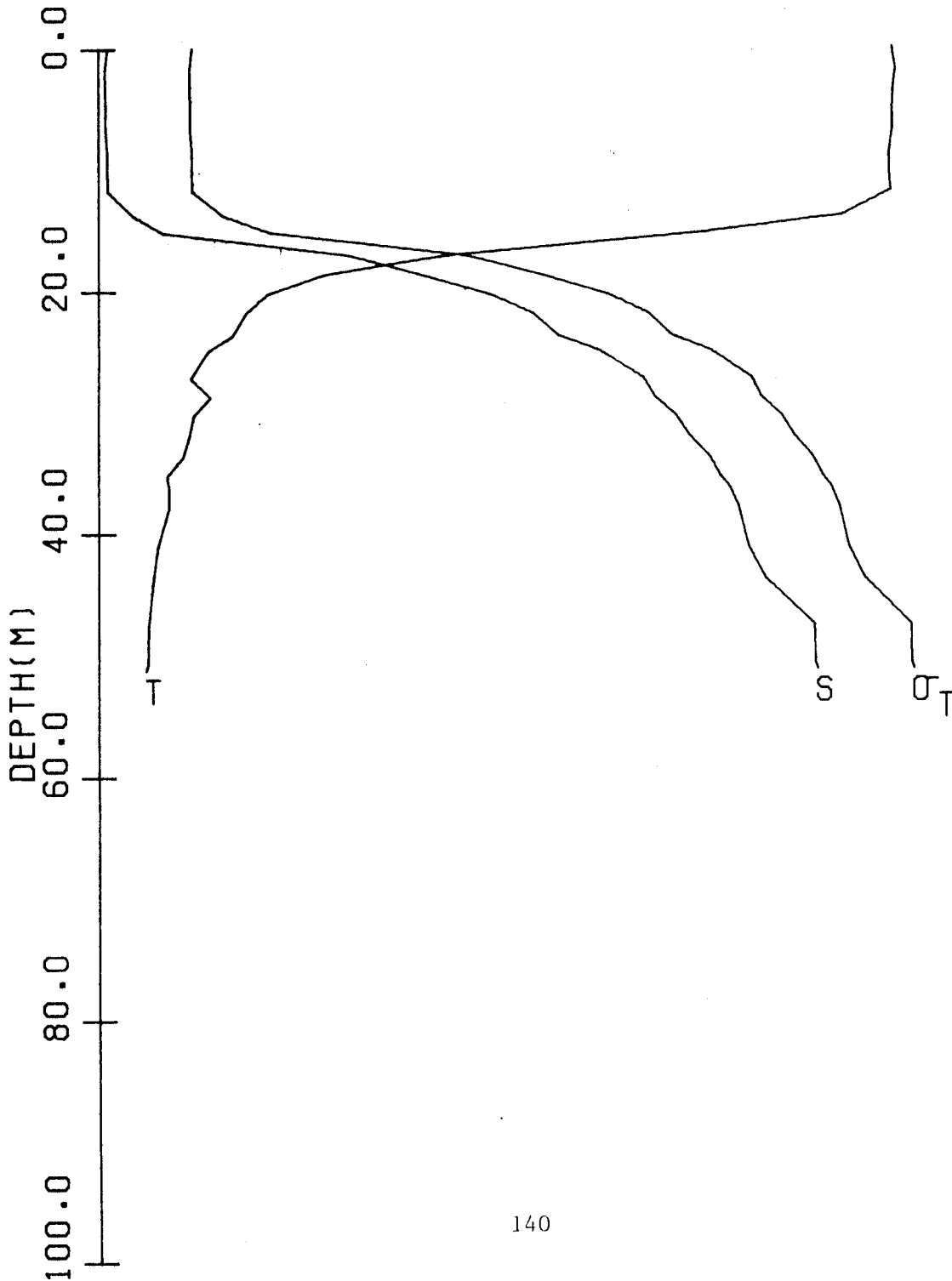
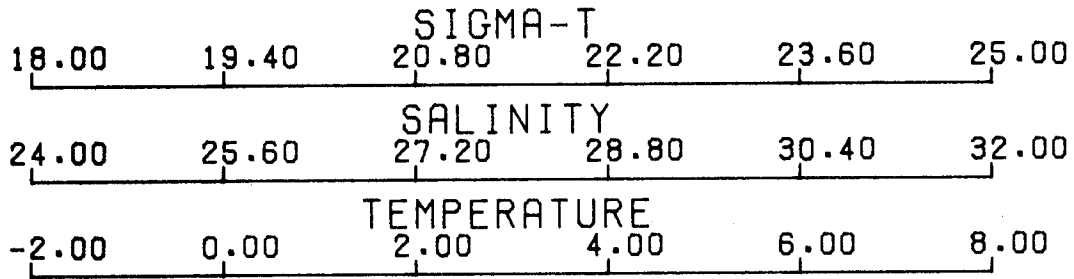


AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 618 VISIT NUM 1 CONSECUTIVE NUM 130  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 50.00 MINUTES  
 SOUNDING 29.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 100 DEG  
 TEMP OFY 5.0 C TEMP WET 5.0 C  
 PRESSURE 1024.1 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1343	0.6	4.700	24.945	19.782	S
1346	1.5	3.640	24.972	19.887	
1346	1.9	3.630	24.977	19.892	
1346	4.2	3.540	24.984	19.904	
1346	5.8	3.470	24.992	19.915	
1346	7.7	3.430	24.992	19.918	
1346	9.7	3.430	25.054	19.967	
1346	11.1	3.360	25.070	19.985	
1346	13.1	3.130	25.161	20.073	
1346	14.9	2.980	25.214	20.124	
1346	16.7	2.390	25.683	20.533	
1346	18.7	2.010	25.992	20.601	
1346	20.7	1.160	26.704	21.411	
1346	22.4	.730	27.076	21.726	
1346	24.3	.690	27.096	21.744	
1347	25.6	.620	27.103	21.752	

STATION NO. 6415 1 131 MONTH 8 DAY 17

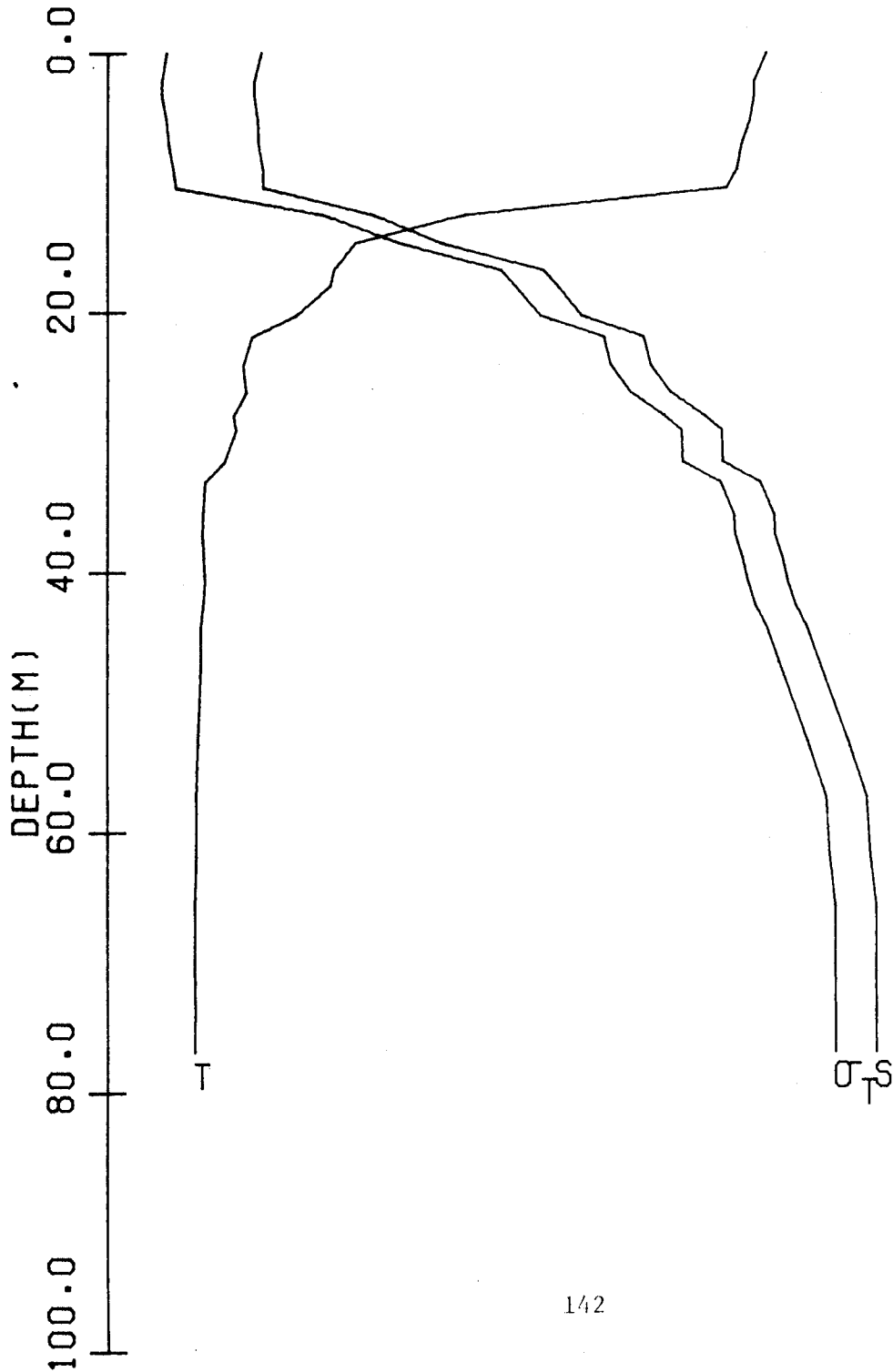
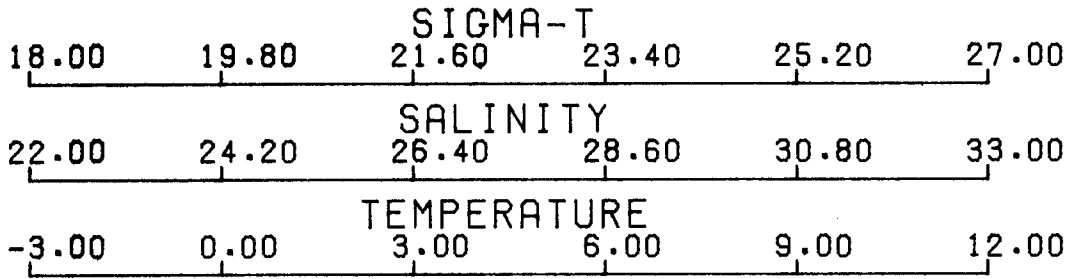


AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 6415 VISIT NUM 1 CONSECUTIVE NUM 131  
 LATITUDE 54 DEGREES 34.00 MINUTES  
 LONGITUDE 81 DEGREES 12.00 MINUTES  
 SOUNDING 60.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 285 DEG  
 TEMP DEPT 8.2 C TEMP WET 7.6 C  
 PRESSURE 1023.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT .8 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
16 00	0.0	7.700	24.087	18.797	S
16 4	1.8	7.740	24.067	18.777	
16 4	3.5	7.710	24.058	18.781	
16 4	5.1	7.700	24.072	18.786	
16 4	6.7	7.700	24.072	18.786	
16 4	8.6	7.660	24.087	18.802	
16 4	10.4	7.660	24.087	18.802	
16 4	11.8	7.680	24.093	18.804	
16 4	13.8	7.080	24.345	19.072	
16 4	15.2	5.410	24.526	19.466	
16 5	17.1	2.240	26.431	21.154	
16 5	18.7	.750	27.155	21.789	
16 5	20.3	.050	27.834	22.358	
16 5	21.9	-.210	28.254	22.704	
16 5	23.7	-.370	28.500	22.906	
16 5	25.0	-.670	28.910	23.244	
16 5	27.2	-.880	29.326	23.585	
16 5	28.8	-.630	29.439	23.670	
16 5	30.3	-.840	29.643	23.840	
16 5	32.0	-.890	29.777	23.949	
16 5	33.7	-.970	29.971	24.107	
16 5	35.3	-1.160	30.074	24.195	
16 5	36.3	-1.140	30.169	24.271	
16 5	37.9	-1.140	30.255	24.341	
16 6	41.2	-1.280	30.351	24.421	
16 6	43.8	-1.330	30.513	24.557	
16 6	47.6	-1.390	31.001	24.949	
16 6	50.7	-1.400	31.010	24.956	
16 6	51.2	-1.420	31.030	24.973	

STATION NO. 6414 1 132 MONTH 8 DAY 17



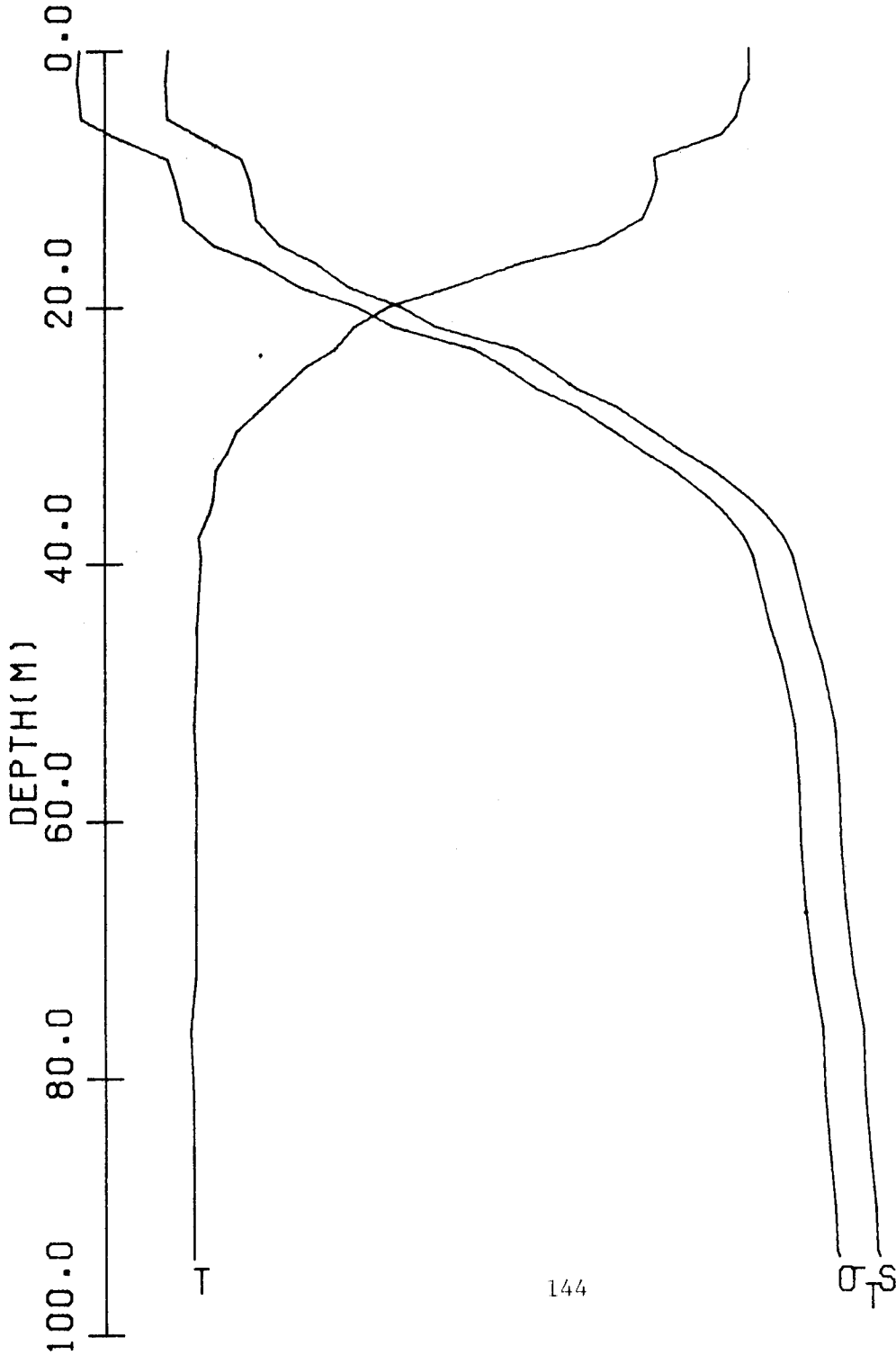
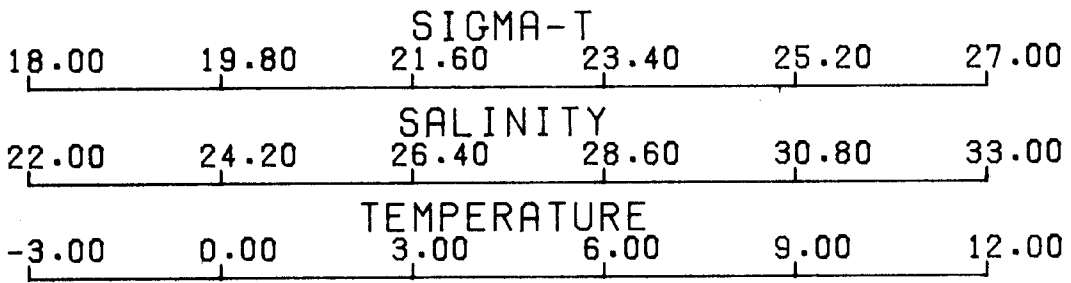
AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 6414 VISIT NUM 1 CONSECUTIVE NUM 132  
 LATITUDE 54 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 56.00 MINUTES  
 SOUNDING 84.0 METRES SNOW THICKNESS CM  
 ICF THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 100 DEG  
 TEMP DRY 8.8 C TEMP WET 7.8 C  
 PRESSURE 1023.2 M BAR WAVE HEIGHT .1 M  
 SWELL HEIGHT .8 M SWELL DIR 250 M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
17 0	0.0	9.300	23.331	18.601
17 4	2.2	8.090	23.838	18.555
17 4	3.3	8.090	23.838	18.555
17 4	5.1	8.020	23.885	18.601
17 4	7.1	7.870	23.898	18.629
17 4	9.0	7.790	23.952	18.681
17 4	10.4	7.620	23.958	18.706
17 4	12.5	3.110	25.340	20.216
17 4	14.7	1.230	26.195	21.001
17 4	16.8	.860	27.492	22.054
17 4	18.0	.800	27.667	22.197
17 4	20.3	.220	27.970	22.462
17 5	21.9	-.530	28.751	23.113
17 5	24.1	-.680	28.836	23.185
17 5	26.2	-.620	29.090	23.388
17 5	28.0	-.840	29.516	23.737
17 5	29.1	-.800	29.734	23.912
17 5	31.5	-.990	29.743	23.924
17 5	33.1	-1.330	30.216	24.313
17 5	35.6	-1.360	30.392	24.456
17 5	37.1	-1.370	30.402	24.464
17 5	38.9	-1.350	30.496	24.540
17 5	40.7	-1.330	30.563	24.593
17 5	42.6	-1.360	30.665	24.677
17 5	44.3	-1.400	30.807	24.792
17 6	47.5	-1.400	30.996	24.945
17 6	53.0	-1.450	31.324	25.211
17 6	57.3	-1.480	31.559	25.402
17 6	61.7	-1.480	31.600	25.435
17 6	65.7	-1.500	31.678	25.490
17 6	69.9	-1.500	31.678	25.490
17 7	73.8	-1.490	31.683	25.503
17 7	76.9	-1.500	31.686	25.505

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STATION NO. 6413 1 133 MONTH 8 DAY 17



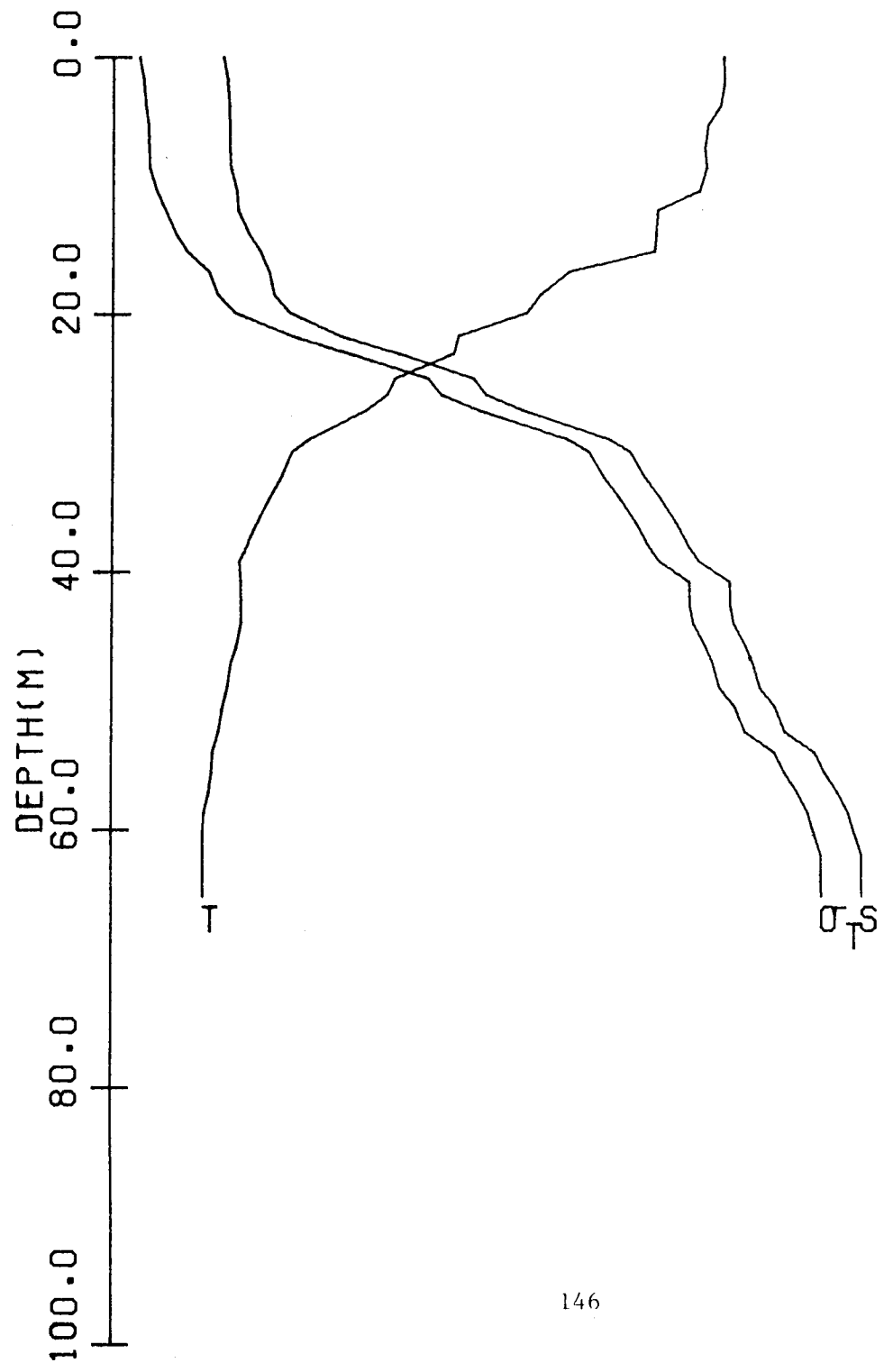
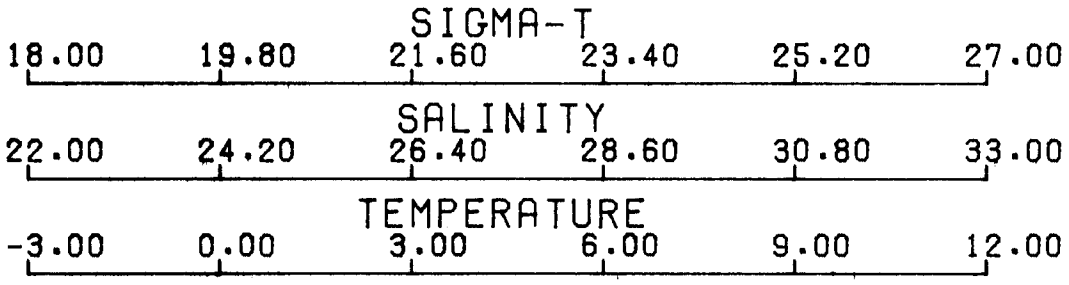
AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 6413 VISIT NUM 1 CONSECUTIVE NUM 133  
 LATITUDE 54 DEGREES 34.40 MINUTES  
 LONGITUDE 80 DEGREES 36.30 MINUTES  
 SOUNDING 109.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 87 DEG  
 TEMP DRY 8.4 C TEMP WET 7.4 C  
 PRESSURE 1025.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT 1.3 M SWELL DIR M  
 SECCHI DISC 9.0

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1825	0.0	8.200	22.303	17.734	S
1825	2.4	8.200	22.772	17.710	
1825	3.5	8.070	22.778	17.731	
1825	5.3	7.980	22.792	17.753	
1825	6.7	7.710	23.190	18.096	
1825	8.5	6.540	23.739	18.656	
1825	10.2	6.590	23.340	18.730	
1825	11.7	6.490	23.387	18.778	
1825	13.2	6.340	23.323	18.822	
1825	15.2	5.560	24.222	19.134	
1825	16.6	4.260	24.677	19.607	
1825	18.5	3.010	25.101	20.033	
1825	20.0	1.930	25.744	20.607	
1825	21.6	1.310	26.204	21.004	
1825	23.4	.970	27.243	21.850	
1825	24.7	.480	27.595	22.152	
1826	26.5	.050	28.012	22.501	
1826	27.9	-.280	28.512	22.914	
1826	29.7	-.720	28.956	23.283	
1826	31.4	-.890	29.362	23.614	
1826	32.7	-1.080	29.720	23.907	
1826	35.0	-1.130	30.203	24.298	
1826	36.0	-1.190	30.380	24.443	
1826	38.0	-1.380	30.644	24.660	
1826	39.5	-1.340	30.763	24.755	
1826	45.1	-1.410	30.993	24.943	
1826	47.8	-1.410	31.138	25.060	
1827	52.6	-1.460	31.305	25.196	
1827	57.3	-1.420	31.363	25.242	
1827	61.8	-1.430	31.386	25.261	
1827	66.7	-1.430	31.442	25.306	
1827	71.9	-1.430	31.541	25.387	
1827	76.3	-1.520	31.664	25.488	
1828	81.1	-1.480	31.688	25.507	
1828	86.0	-1.480	31.753	25.559	
1828	90.3	-1.480	31.821	25.614	
1828	93.7	-1.480	31.841	25.630	
1828	94.1	-1.480	31.375	25.658	



STATION NO. 6412 1 134 MONTH 8 DAY 17



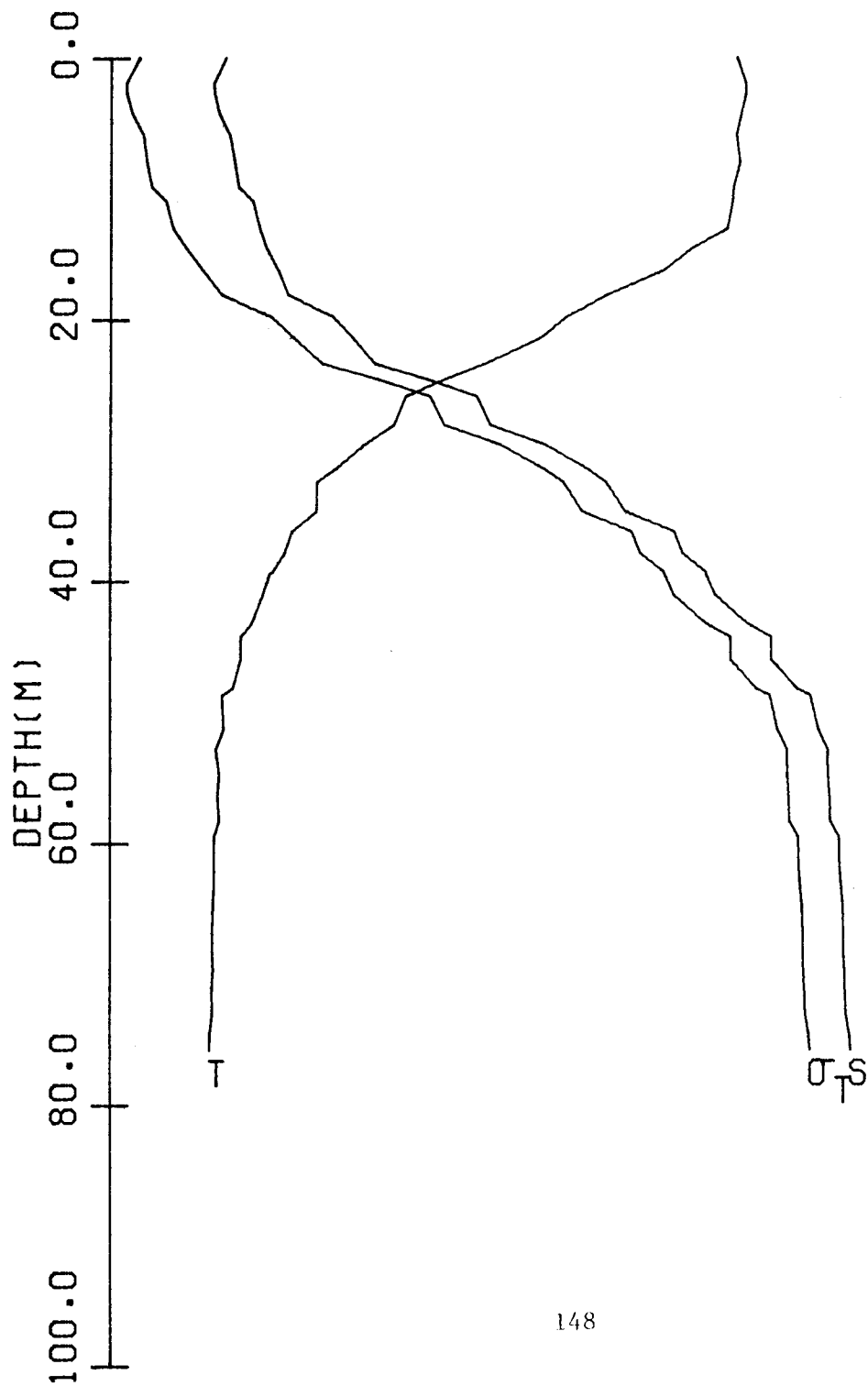
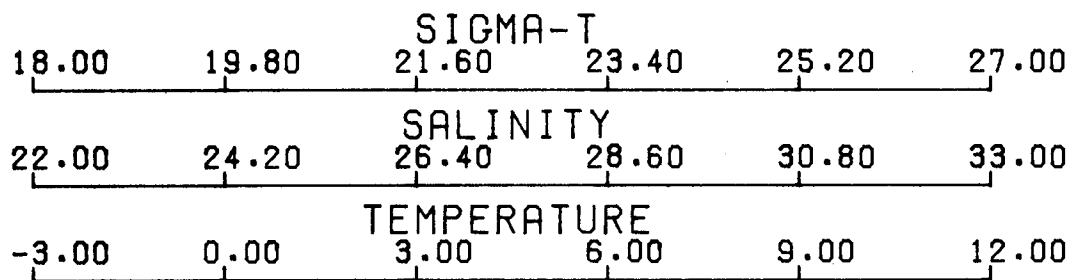
APFA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 6412 VISIT NUM 1 CONSECUTIVE NUM 134  
 LATITUDE 54 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 15.50 MINUTES  
 SOUNDING 76.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 347 DEG  
 TEMP DRY 8.4 C TEMP WET 7.8 C  
 PRESSURE 1022.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT 7 M SWELL DIR 340 M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1936	0.0	7.600	23.406	18.277
1938	1.7	7.510	23.458	18.317
1938	1.9	7.510	23.458	18.317
1938	3.8	7.540	23.482	18.344
1938	5.3	7.320	23.485	18.372
1938	7.1	7.270	23.486	18.378
1939	8.6	7.300	23.499	18.385
1939	10.4	7.180	23.578	18.460
1939	11.9	6.450	23.595	18.553
1939	13.8	6.425	23.737	18.667
1939	15.1	6.400	23.880	18.782
1939	16.7	6.910	23.993	19.013
1939	18.5	6.410	24.056	19.104
1939	19.9	6.180	24.251	19.284
1939	21.7	6.990	24.301	19.375
1939	23.1	6.910	25.646	20.472
1939	25.0	6.890	26.597	21.290
1939	26.3	6.760	26.759	21.426
1939	27.5	6.390	27.236	21.825
1939	29.7	6.420	28.320	22.736
1939	30.7	6.110	28.593	22.966
1940	32.7	6.080	28.784	23.126
1940	34.2	6.260	28.835	23.279
1940	36.1	6.430	29.176	23.454
1940	37.6	6.330	29.307	23.563
1940	39.9	6.550	29.326	23.579
1940	42.2	6.790	29.475	23.703
1940	44.8	6.770	29.859	24.020
1940	47.6	6.760	29.873	24.023
1941	49.0	6.760	30.315	24.057
1941	49.7	6.840	30.066	24.181
1941	49.9	6.940	30.165	24.263
1941	50.5	-1.000	30.252	24.335
1941	52.5	-1.080	30.448	24.495
1941	54.4	-1.150	30.576	24.600
1942	54.0	-1.250	30.355	24.909
1942	55.5	-1.270	31.076	25.007
1942	57.1	-1.320	31.245	25.145
1942	58.7	-1.400	31.385	25.260
1942	60.3	-1.420	31.464	25.324
1942	61.9	-1.420	31.552	25.395
1943	63.5	-1.420	31.552	25.395
1943	65.2	-1.410	31.559	25.401

S

STATION NO. 6411 1 135 MONTH 8 DAY 17

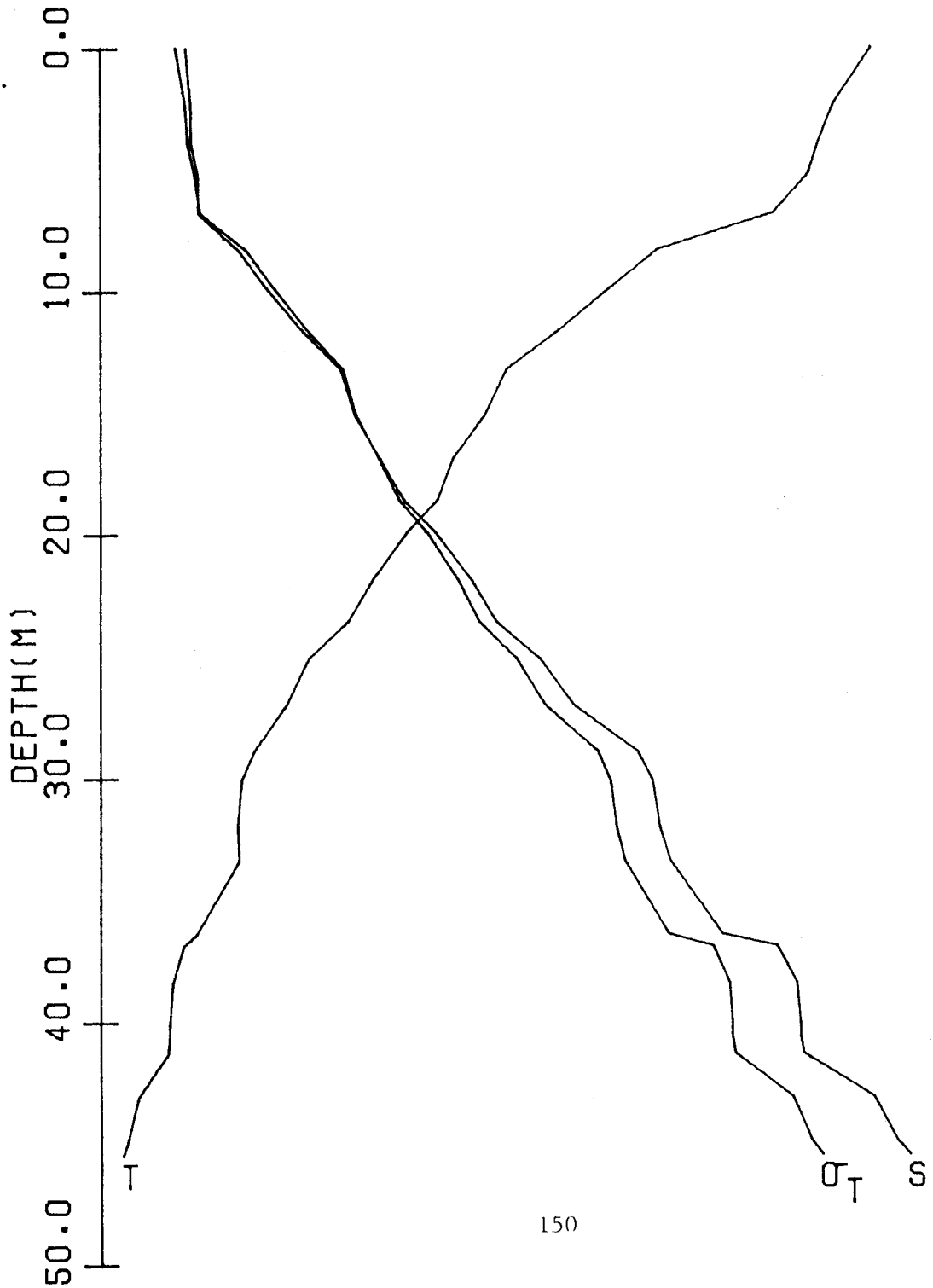
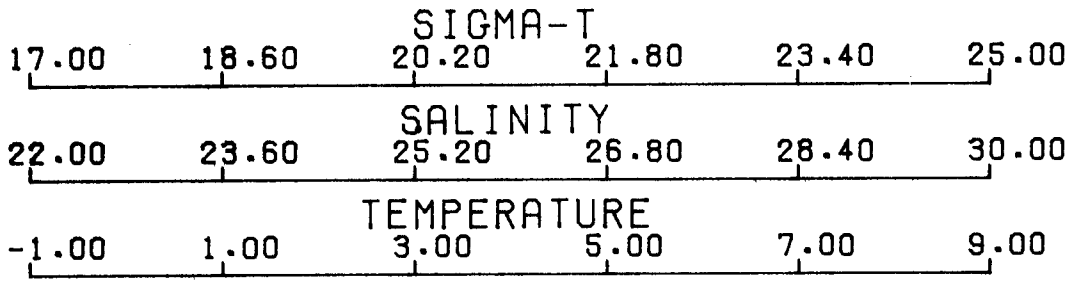


AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 6411 VISIT NUM 1 CONSECUTIVE NUM 135  
 LATITUDE 54 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 0.00 MINUTES  
 SOUNDING 78.0 METERS SNOW THICKNESS CM  
 ICE THICKNESS METERS  
 DATA COLLECTION MEANS MV PATROL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 40 DEG  
 TEMP OF 8.8 C TEMP WET 7.8 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
2035	0.0	7.700	23.436	18.289	S
2044	1.9	7.850	23.286	18.154	
2044	2.7	7.850	23.294	18.160	
2044	4.3	7.760	23.357	18.220	
2044	5.9	7.680	23.487	18.331	
2044	8.0	7.740	23.545	18.380	
2044	9.0	7.630	23.597	18.423	
2044	11.0	7.510	23.776	18.565	
2044	13.1	7.520	23.860	18.641	
2044	14.8	6.930	23.942	18.773	
2044	16.3	5.420	24.094	18.947	
2044	18.1	5.470	24.215	19.137	
2044	19.8	4.770	24.777	19.643	
2044	21.4	4.330	25.023	19.875	
2044	23.4	3.380	25.299	20.165	
2045	25.6	2.670	25.955	20.741	
2045	27.0	2.020	26.579	21.268	
2045	28.1	1.820	26.747	21.413	
2045	29.5	1.340	27.398	21.957	
2045	31.4	.830	27.959	22.430	
2045	32.4	.510	28.194	22.631	
2045	34.7	.500	28.446	22.825	
2045	36.2	.080	29.048	23.333	
2045	37.9	.050	29.158	23.426	
2045	39.3	.250	29.448	23.666	
2045	39.5	.300	29.453	23.672	
2045	41.1	.420	29.568	23.768	
2046	43.3	.610	29.981	24.106	
2046	44.3	.790	30.275	24.348	
2046	46.0	.790	30.275	24.348	
2046	48.2	.930	30.600	24.614	
2046	48.7	-1.110	30.759	24.755	
2046	51.3	-1.080	30.868	24.834	
2047	52.8	-1.210	30.986	24.933	
2047	54.7	-1.160	30.992	24.937	
2047	56.5	-1.160	31.011	24.952	
2047	59.4	-1.160	31.019	24.958	
2047	59.5	-1.240	31.130	25.050	
2047	61.8	-1.240	31.138	25.056	
2048	63.4	-1.240	31.158	25.073	
2048	64.7	-1.260	31.178	25.080	
2048	66.7	-1.270	31.187	25.097	
2048	69.3	-1.270	31.187	25.097	
2048	69.7	-1.260	31.198	25.105	
2048	71.5	-1.280	31.208	25.114	
2049	73.0	-1.270	31.217	25.121	
2049	74.7	-1.320	31.263	25.159	
2049	75.8	-1.320	31.277	25.171	

STATION NO. 622 1 136 MONTH 8 DAY 17

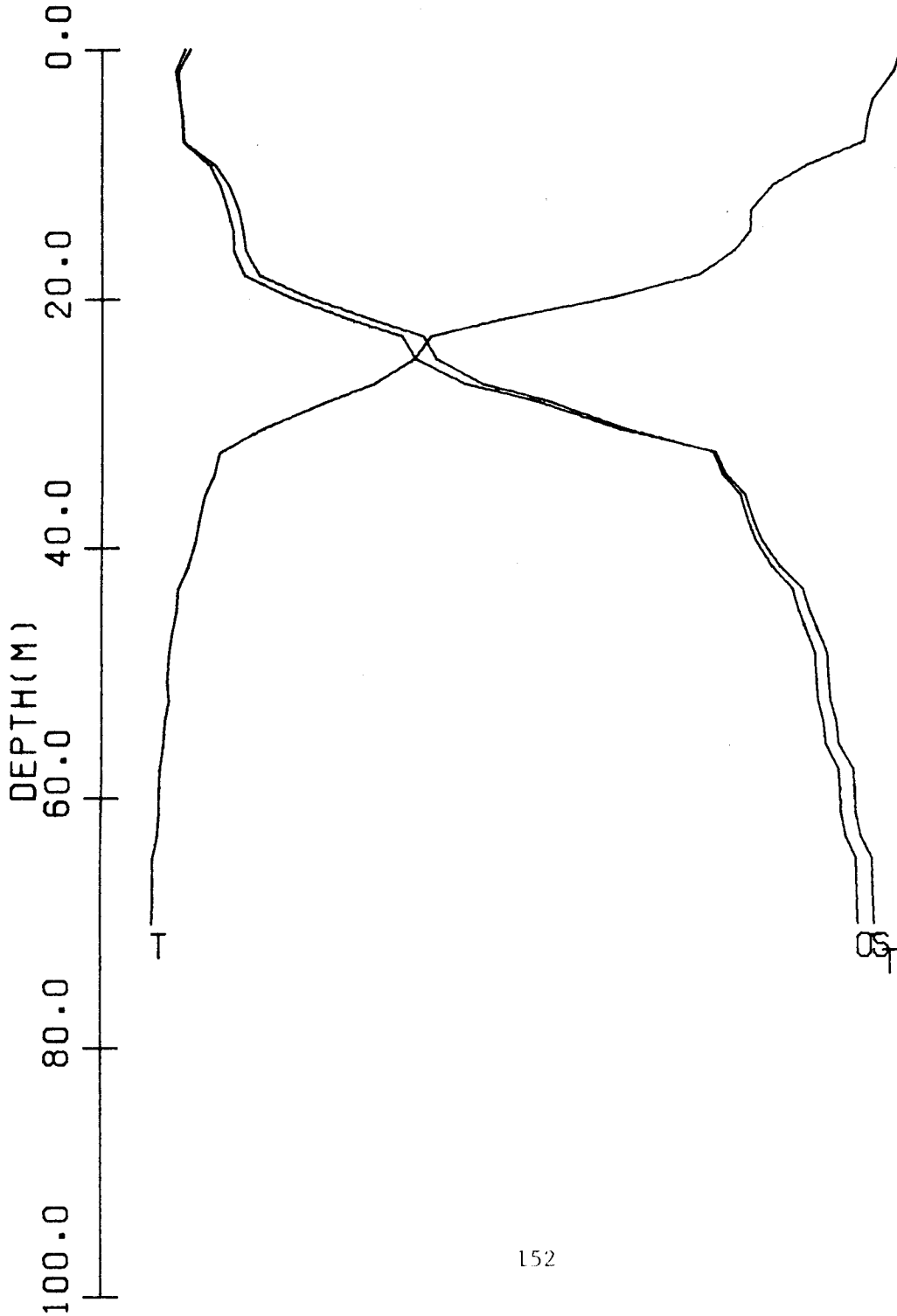
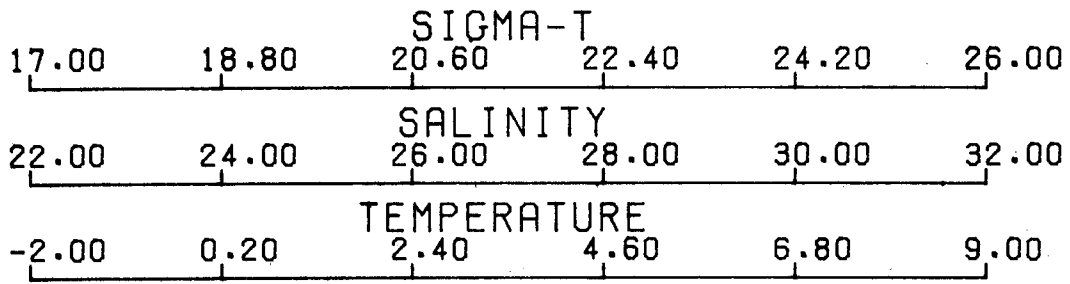


AREA SQUARE NUM 52076  
 DATE 8 MONTH 17 DAY  
 STATION NUM 622 VISIT NUM 1 CONSECUTIVE NUM 136  
 LATITUDE 54 DEGREES 23.00 MINUTES  
 LONGITUDE 79 DEGREES 57.10 MINUTES  
 SOUNDING 46.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 90 DEG  
 TEMP SURF 9.6 C TEMP WET 8.4 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
21 57	0.0	8.400	22.828	17.729
22 11	2.3	7.940	22.875	17.822
22 11	3.9	7.750	22.878	17.847
22 11	5.2	7.630	22.945	17.914
22 11	6.8	7.200	22.952	17.958
22 11	8.3	5.790	22.333	18.418
22 11	9.9	5.200	23.523	18.696
22 11	11.7	4.550	23.380	18.833
22 11	13.2	3.950	24.336	19.361
22 11	15.1	3.690	24.477	19.492
22 11	16.9	3.290	24.722	19.714
22 11	18.6	3.100	24.956	19.912
22 11	19.9	2.740	25.261	20.177
22 11	21.9	2.310	25.617	20.485
22 11	23.6	2.010	25.850	20.696
22 22	25.1	1.530	26.282	21.036
22 22	27.0	1.260	26.516	21.336
22 22	28.9	.860	27.242	21.854
22 22	30.1	.710	27.388	21.977
22 22	32.0	.660	27.453	22.036
22 22	33.4	.680	27.563	22.119
22 22	36.4	.160	28.072	22.546
22 22	36.9	0.000	28.608	22.982
22 22	38.4	.130	28.799	23.140
22 22	40.1	.170	28.836	23.171
22 22	40.8	.170	28.836	23.171
22 22	41.3	.190	28.859	23.198
22 22	43.1	.550	29.552	23.759
22 22	44.9	.680	29.778	23.944
22 22	45.8	.740	29.909	24.052

STATION NO. 623 1 137 MONTH 8 DAY 17



AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 623 VISIT NUM 1 CONSECUTIVE NUM 137  
 LATITUDE 54 DEGREES 23.00 MINUTES  
 LONGITUDE 80 DEGREES 10.00 MINUTES  
 SOUNDING 72.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

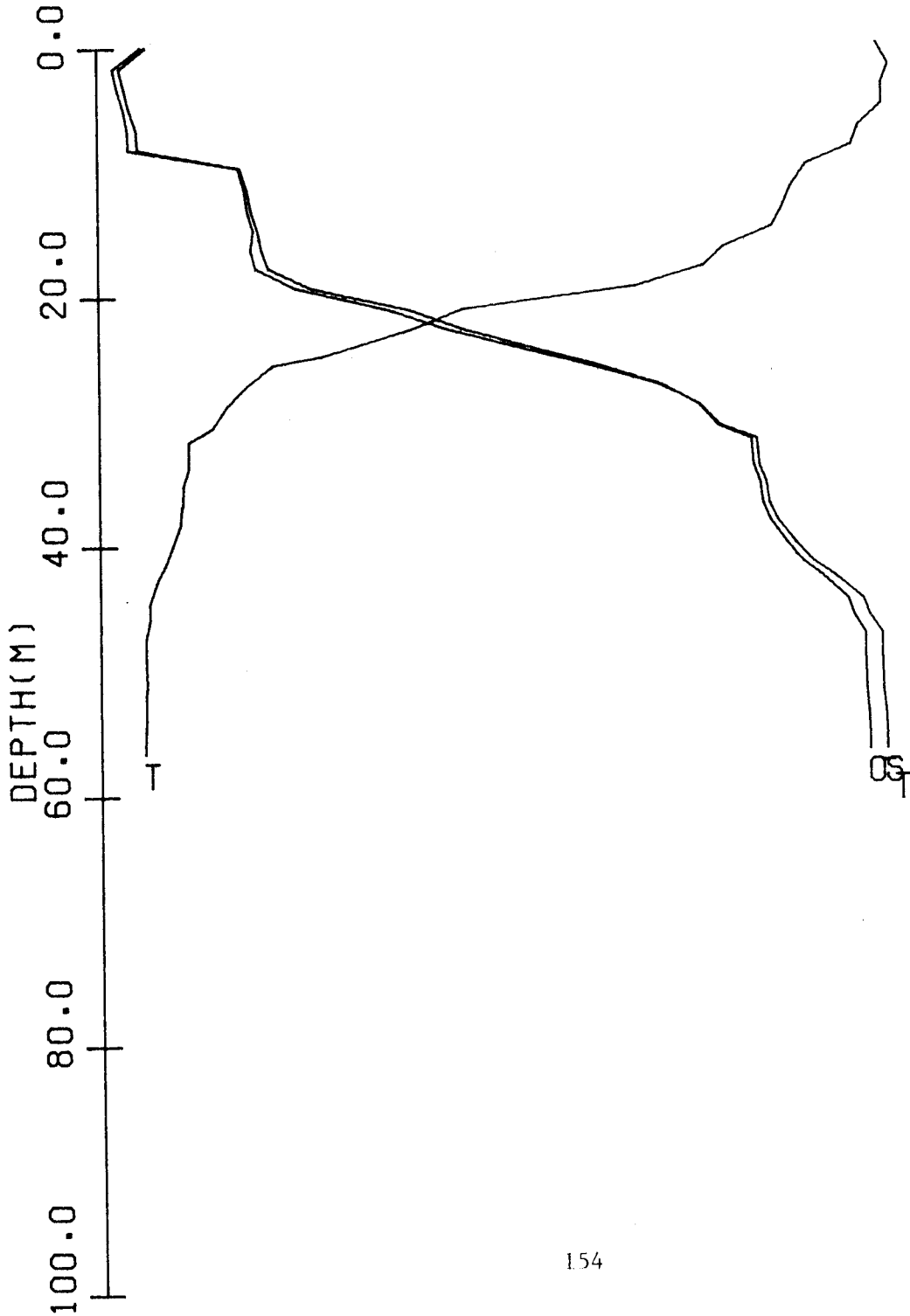
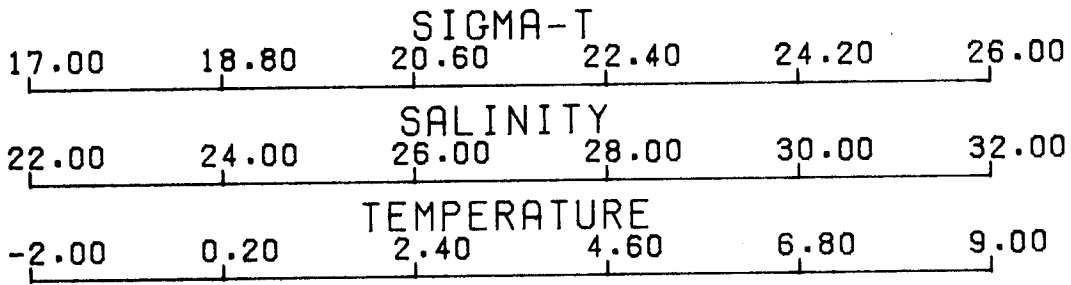
PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 000 DEG  
 TEMP DRY 9.6 C TEMP WET 8.5 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2251	0.0	8.500	23.060	17.897
2257	1.8	8.410	22.937	17.797
2257	2.1	8.130	22.935	17.846
2257	4.5	8.070	22.963	17.875
2257	7.5	8.020	22.974	17.890
2257	9.4	7.270	23.295	18.229
2257	11.0	6.930	23.413	18.370
2257	13.0	6.540	23.509	18.476
2257	14.7	6.330	23.559	18.524
2257	16.2	6.330	23.573	18.558
2257	18.2	5.860	23.704	18.598
2257	19.6	4.790	24.223	19.204
2257	21.7	3.300	24.949	19.893
2257	23.1	2.330	25.600	20.471
2257	24.9	2.120	25.736	20.607
2258	26.6	1.580	26.345	21.104
2258	28.3	.970	27.188	21.606
2258	30.5	.100	28.185	22.639
2258	32.2	.450	29.347	23.591
2258	34.2	.520	29.471	23.693
2258	35.5	.640	29.701	23.861
2258	38.0	.720	29.808	23.970
2258	39.5	.760	29.903	24.047
2258	41.8	.860	30.116	24.222
2258	43.4	.990	30.339	24.445
2259	45.1	.010	30.467	24.509
2259	46.6	.110	30.588	24.608
2259	48.0	.110	30.688	24.687
2259	50.0	.130	30.702	24.702
2259	52.3	.110	30.724	24.719
2259	53.3	.160	30.789	24.773
2260	55.0	.130	30.832	24.800
2260	57.0	.230	30.996	24.941
2260	59.0	.240	31.008	24.951
2260	61.0	.240	31.012	24.955
2260	63.0	.260	31.075	25.006
2260	64.0	.320	31.205	25.112
2261	66.0	.320	31.309	25.116
2261	68.0	.320	31.318	25.123
2261	69.0	.330	31.322	25.126
2261	70.1	.330	31.328	25.131

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STATION NO. 624 1 138 MONTH 8 DAY 17

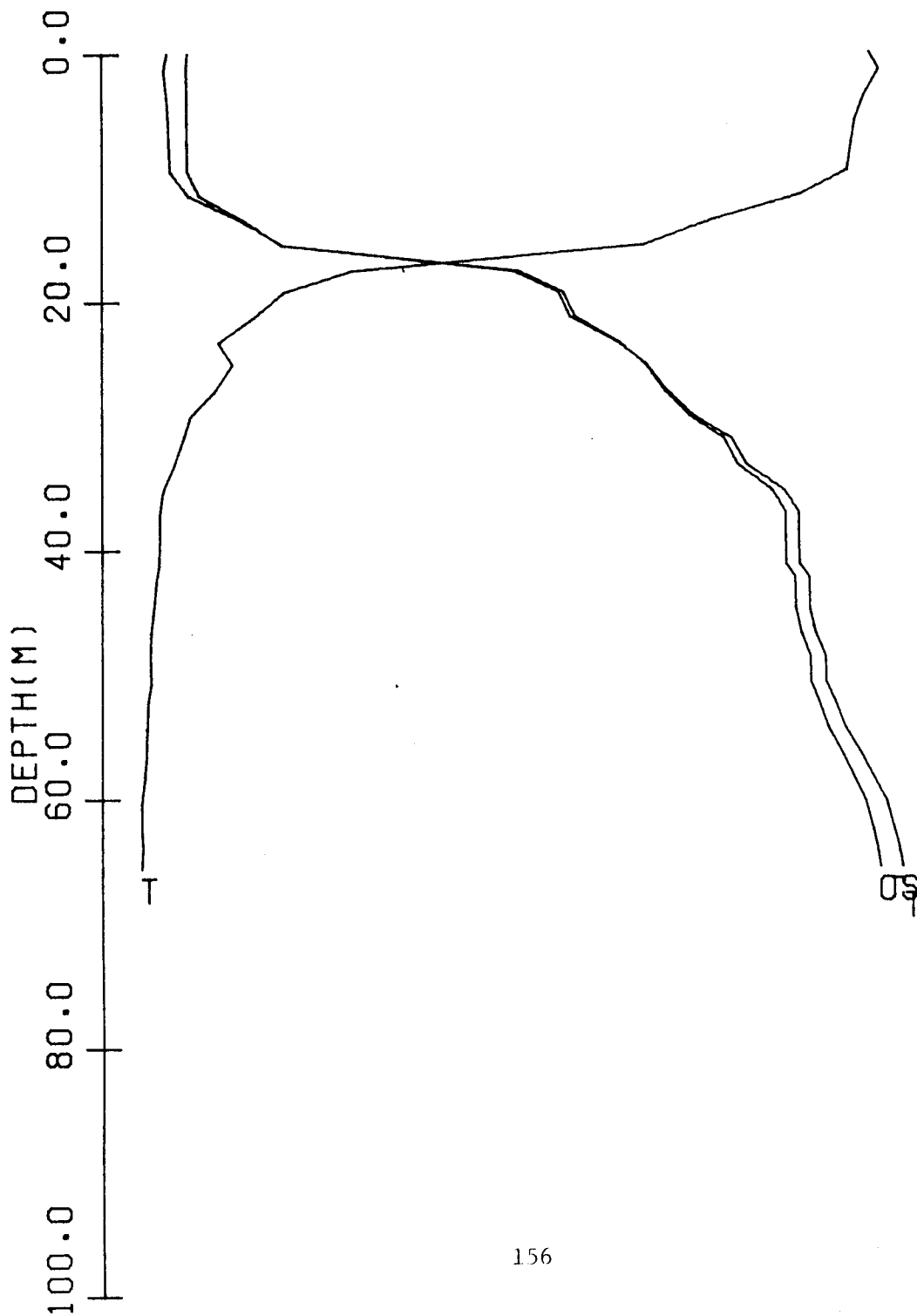
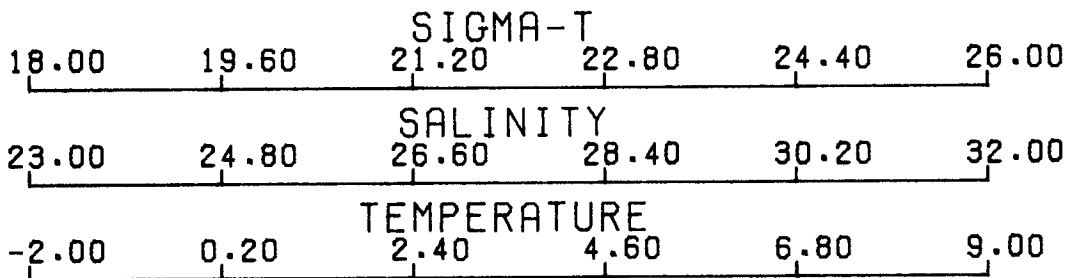


AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 624 VISIT NUM 1 CONSECUTIVE NUM 136  
 LATITUDE 54 DEGREES 23.80 MINUTES  
 LONGITUDE 80 DEGREES 23.00 MINUTES  
 SOUNDING 57.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 320 DEG  
 TEMP DRY 9.8 C TEMP WET 8.6 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
2346	0.0	8.200	22.513	17.508	S
2350	1.7	8.350	22.186	17.235	
2350	3.2	8.260	22.232	17.282	
2350	4.9	8.260	22.308	17.341	
2350	6.5	7.950	22.355	17.415	
2350	8.2	7.850	22.361	17.432	
2350	9.9	7.260	23.670	18.523	
2350	11.5	7.060	23.740	18.601	
2350	13.2	6.940	23.777	18.643	
2350	14.7	6.810	23.842	18.708	
2350	16.3	6.170	23.811	18.751	
2350	17.8	5.910	23.866	18.820	
2350	19.4	5.020	24.341	19.278	
2350	21.1	5.770	25.415	20.297	
2351	22.7	5.110	26.116	20.894	
2351	24.9	5.900	27.372	21.357	
2351	25.6	5.260	27.779	22.307	
2351	27.3	5.090	28.670	23.035	
2351	28.9	5.340	29.144	23.424	
2351	30.6	5.530	29.398	23.634	
2351	31.7	5.840	29.929	23.990	
2351	33.8	5.840	29.955	24.012	
2351	35.2	5.910	29.940	24.081	
2351	36.9	5.920	29.937	24.111	
2351	38.9	5.930	29.979	24.113	
2351	40.0	5.950	30.079	24.194	
2352	41.6	-1.150	30.436	24.536	
2352	42.7	-1.250	30.742	24.737	
2352	44.6	-1.360	31.088	25.019	
2352	45.9	-1.360	31.161	25.078	
2352	47.4	-1.410	31.313	25.202	
2353	49.2	-1.410	31.313	25.202	
2353	51.2	-1.400	31.321	25.208	
2353	51.9	-1.410	31.327	25.213	
2353	53.7	-1.410	31.355	25.236	
2353	54.9	-1.420	31.361	25.241	
2353	56.6	-1.430	31.366	25.245	

STATION NO. 625 1 139 MONTH 8 DAY 18



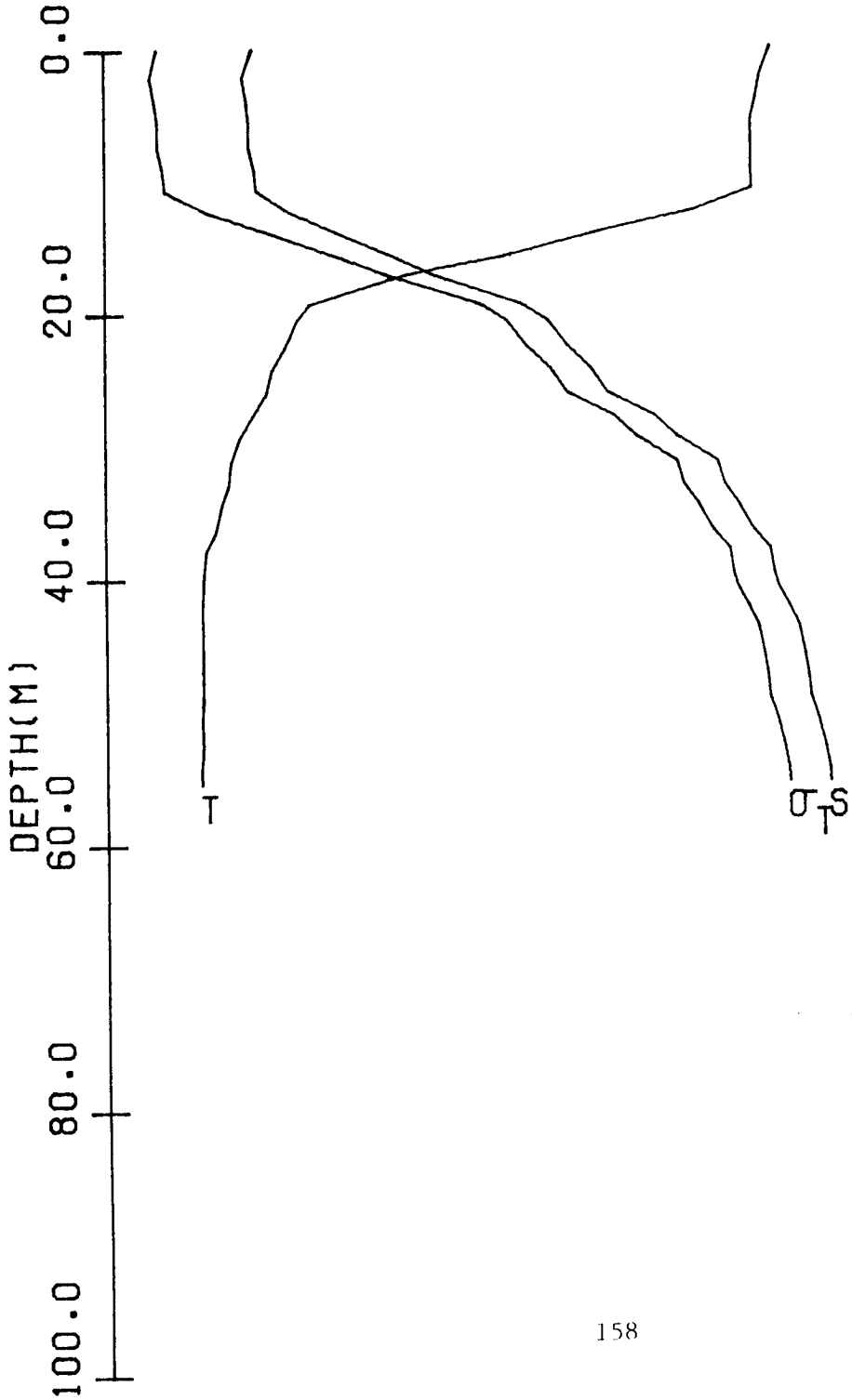
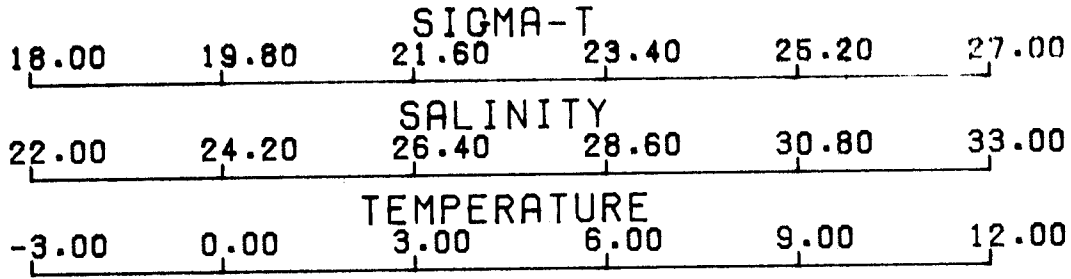
AREA SQUARE NUM 52080  
 DATE 3 MONTH 18 DAY  
 STATION NUM 625 VISIT NUM 1 CONSECUTIVE NUM 139  
 LATITUDE 54 DEGREES 23.08 MINUTES  
 LONGITUDE 80 DEGREES 36.08 MINUTES  
 SOUNDING 71.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-440  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 59 DEG  
 TEMP DRY 8.4 C TEMP WET 8.0 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
044	0.0	8.100	23.922	18.619
046	1.4	8.230	23.907	18.591
047	3.5	8.030	23.912	18.520
047	5.5	7.910	23.913	18.536
047	7.3	7.860	23.915	18.644
047	9.1	7.810	23.917	18.651
047	11.5	7.180	24.050	18.630
047	13.5	6.020	24.531	19.332
047	15.5	5.130	24.928	19.730
047	17.5	1.280	27.430	21.986
047	19.5	0.380	27.921	22.417
047	21.5	0.000	28.046	22.530
047	23.5	-1.470	28.551	22.950
047	25.5	-1.230	28.855	23.106
047	27.5	-1.520	29.092	23.387
047	29.5	-1.840	29.372	23.621
047	31.5	-1.930	29.775	23.948
048	33.5	-1.050	29.923	24.081
048	35.5	-1.200	30.346	24.415
048	37.5	-1.240	30.502	24.542
048	39.5	-1.240	30.502	24.542
048	41.5	-1.250	30.510	24.549
048	42.5	-1.280	30.613	24.633
048	44.5	-1.320	30.619	24.639
048	46.5	-1.360	30.679	24.688
048	48.5	-1.370	30.789	24.777
049	50.5	-1.360	30.792	24.779
049	52.5	-1.400	30.891	24.860
049	54.5	-1.410	31.003	24.951
049	56.5	-1.420	31.173	25.089
049	58.5	-1.440	31.296	25.189
049	60.5	-1.480	31.439	25.305
050	62.5	-1.480	31.526	25.375
050	64.5	-1.470	31.573	25.413
050	65.5	-1.480	31.613	25.446

S

STATION NO. 626 1 140 MONTH 8 DAY 18

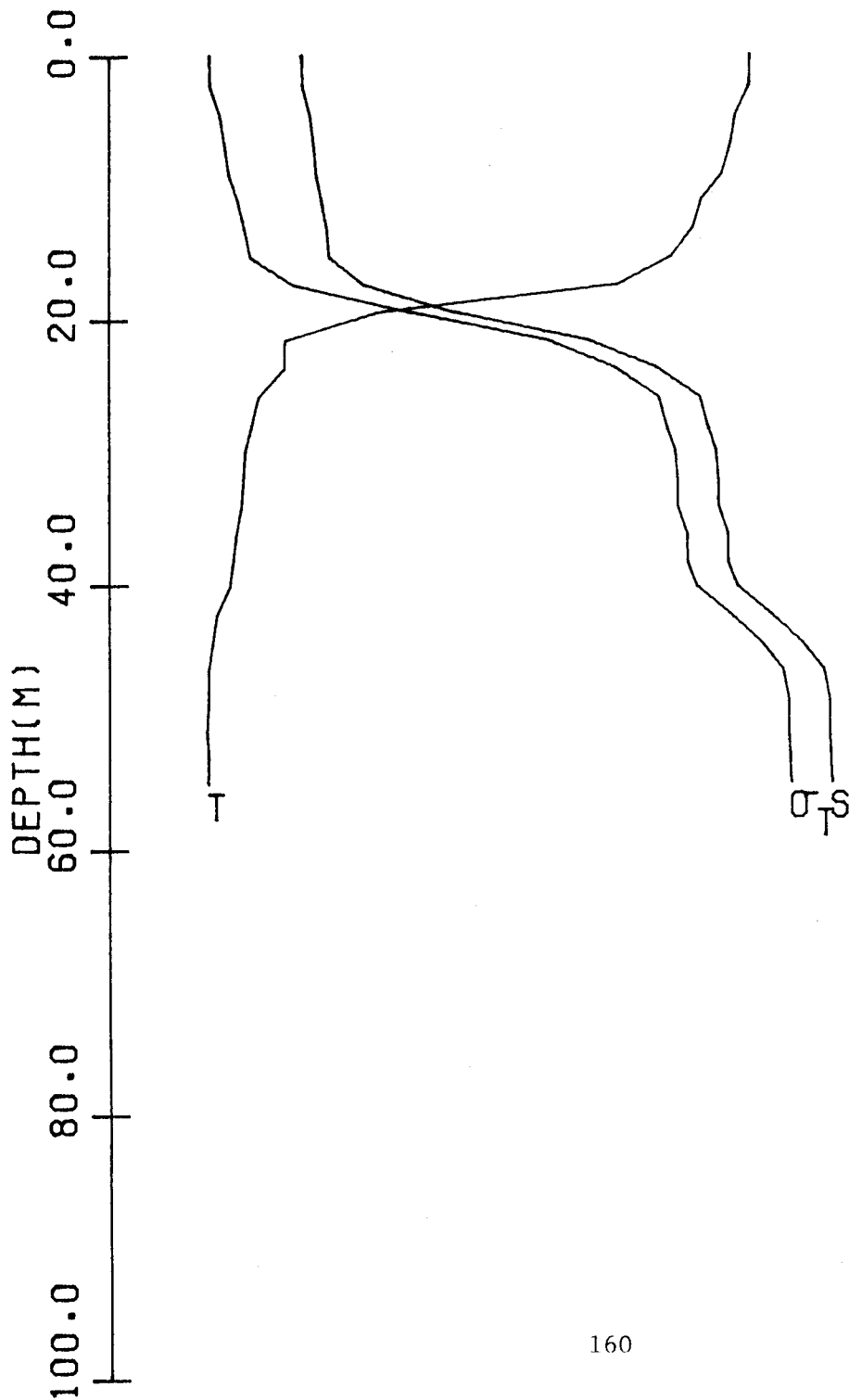
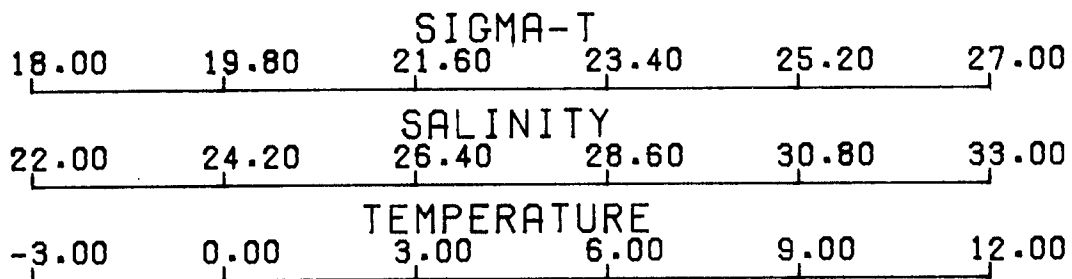


AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 626 VISIT NUM 1 CONSECUTIVE NUM 140  
 LATITUDE 54 DEGREES 22.50 MINUTES  
 LONGITUDE 80 DEGREES 49.75 MINUTES  
 SOUNDING 64.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 240 DEG  
 TEMP DRY 8.2 C TEMP WET 7.8 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PRT.)	SIGMA T
137	0.0	8.200	23.326	18.532
139	2.1	8.020	23.710	18.464
139	3.8	7.950	23.756	18.508
139	5.5	7.860	23.784	18.541
139	7.4	7.860	23.784	18.541
139	9.1	7.860	23.350	18.598
139	10.7	7.870	23.875	18.610
139	12.3	6.890	24.277	19.640
139	13.9	5.280	24.863	19.665
140	15.7	3.890	25.537	20.347
140	17.1	2.050	26.037	20.834
140	19.7	.430	27.123	21.775
140	20.5	.210	27.455	22.049
140	22.0	.020	27.633	22.246
140	24.3	-.200	27.990	22.491
140	26.1	-.300	28.194	22.658
140	27.8	-.540	28.757	23.118
140	29.4	-.750	29.042	23.358
140	31.3	-.900	29.544	23.761
140	33.0	-.940	29.825	23.827
140	34.5	-1.060	29.801	23.972
140	36.5	-1.160	29.987	24.124
140	37.9	-1.320	30.190	24.292
140	39.7	-1.360	30.233	24.329
141	40.7	-1.370	30.233	24.367
141	42.2	-1.390	30.411	24.478
141	43.7	-1.380	30.539	24.575
141	45.7	-1.380	30.611	24.633
142	47.3	-1.380	30.634	24.668
142	49.0	-1.380	30.581	24.690
142	50.7	-1.400	30.775	24.756
142	52.5	-1.390	30.651	24.828
142	54.4	-1.420	30.311	24.877
142	55.4	-1.410	30.920	24.884

STATION NO. 627 1 141 MONTH 8 DAY 18



AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 627 VISIT NUM 1 CONSECUTIVE NUM 141  
 LATITUDE 54 DEGREES 23.00 MINUTES  
 LONGITUDE 81 DEGREES 18.50 MINUTES  
 SOUNDING 62.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

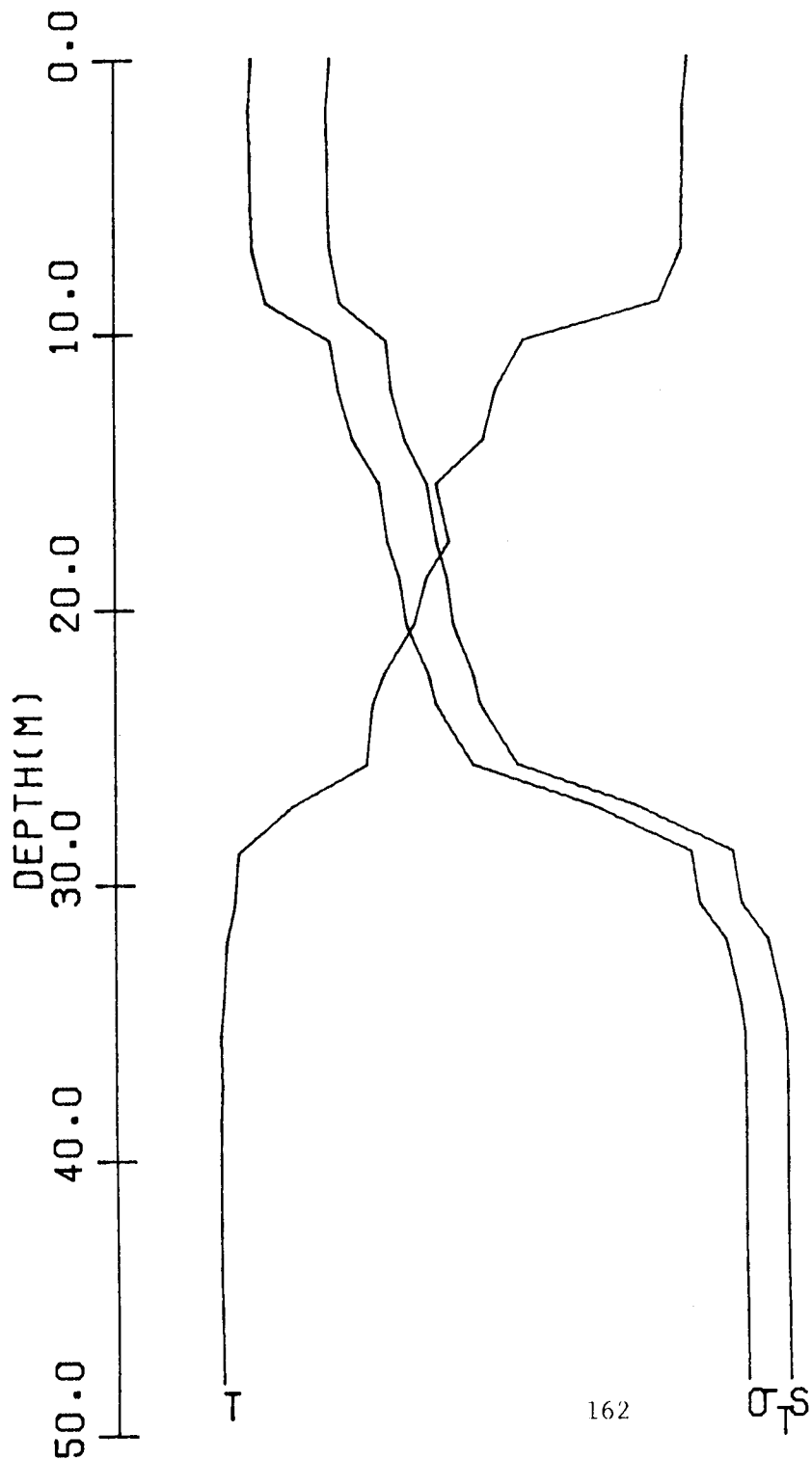
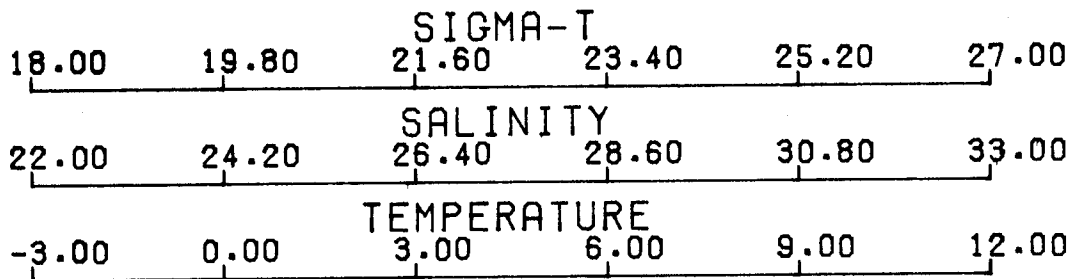
PROFILE NUM 1  
 WIND SPEED 11 KNTS  
 TEMP DRY 8.0 C  
 PRESSURE 1020.6 M BAR  
 SWELL HEIGHT M  
 SECCHI DISC M  
 WIND DIR 40 DEG  
 TEMP WET 7.5 C  
 WAVE HEIGHT M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
321	0.0	7.800	24.380	19.014
326	2.3	7.790	24.386	19.020
326	4.5	7.550	24.476	19.119
326	6.7	7.470	24.521	19.164
326	9.1	7.310	24.556	19.210
326	11.0	6.970	24.516	19.296
326	13.1	6.830	24.682	19.364
327	15.3	6.460	24.709	19.428
327	17.4	5.560	25.138	19.855
327	19.4	1.570	25.225	21.000
327	21.6	-0.060	27.920	22.431
327	23.7	-0.060	28.770	23.114
327	25.9	-0.500	29.300	23.554
327	28.0	-0.610	29.392	23.631
327	29.9	-0.720	29.498	23.720
327	32.2	-0.750	29.526	23.743
327	34.1	-0.780	29.526	23.744
327	36.2	-0.870	29.642	23.840
327	38.4	-0.930	29.642	23.841
327	40.2	-0.980	29.761	23.938
327	42.3	-1.200	30.182	24.283
327	44.5	-1.270	30.572	24.600
328	46.7	-1.340	30.833	24.812
328	48.7	-1.340	30.904	24.869
329	51.2	-1.370	30.904	24.870
329	52.9	-1.350	30.921	24.883
329	54.4	-1.350	30.926	24.887
329	54.9	-1.360	30.936	24.896
330	55.0	-1.350	30.940	24.899

S



STATION NO. 628 1 142 MONTH 8 DAY 18

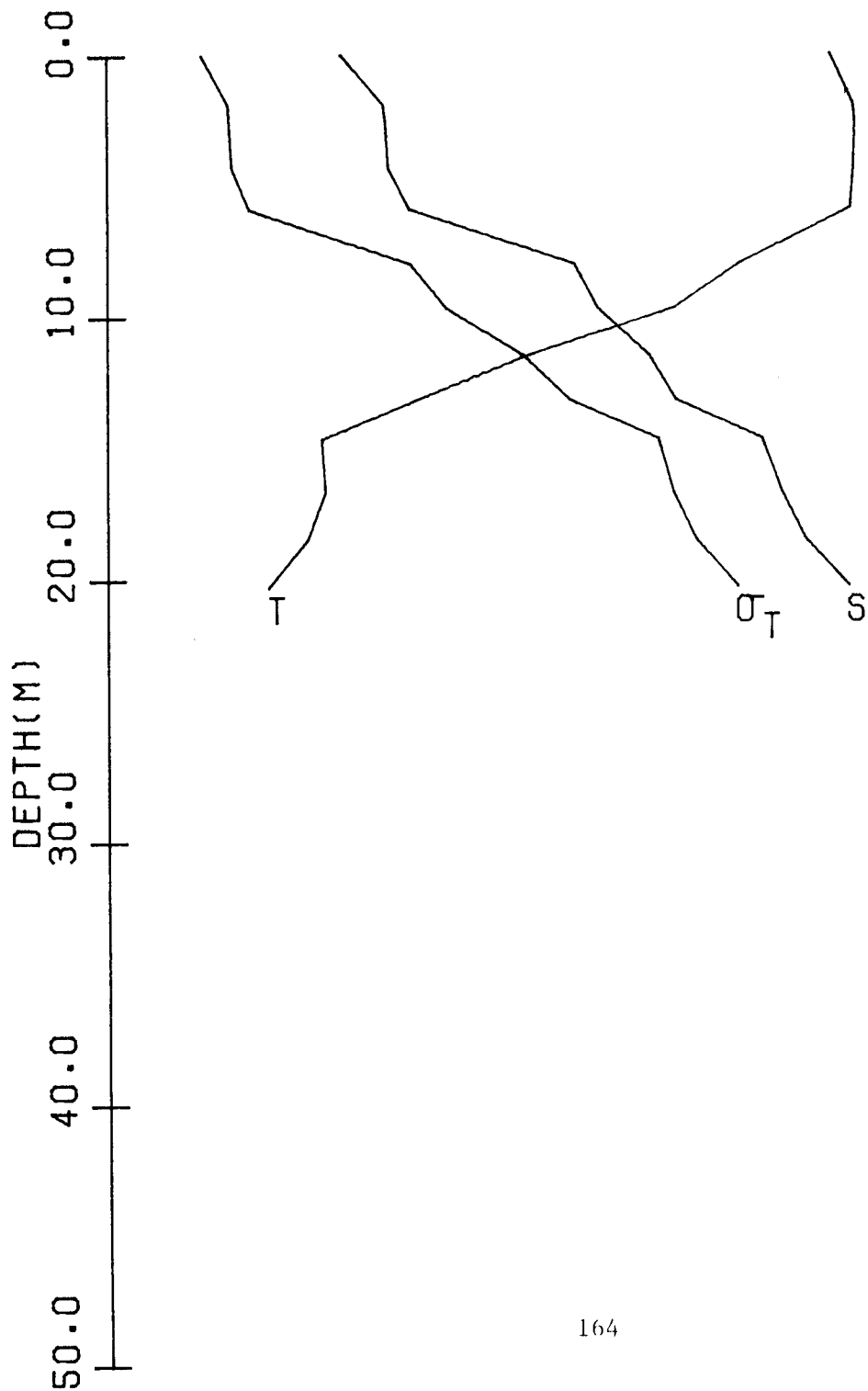
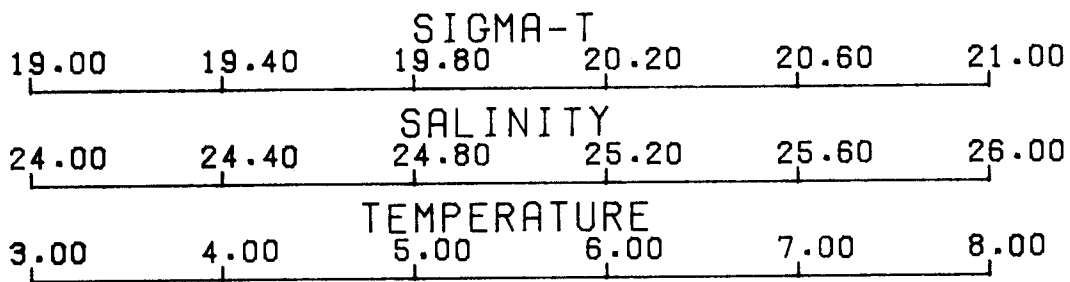


AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 628 VISIT NUM 1 CONSECUTIVE NUM 142  
 LATITUDE 54 DEGREES 23.17 MINUTES  
 LONGITUDE 81 DEGREES 40.67 MINUTES  
 SOUNDING 1.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS  
 TEMP DRY 7.5 C  
 PRESSURE 1019.8 M BAR  
 SWELL HEIGHT M  
 SECCHI DISC M  
 WIND DIR 144 DEG  
 TEMP WET 7.2 C  
 WAVE HEIGHT M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
440	0.0	6.300	24.571	19.334
442	1.0	6.210	24.525	19.308
442	2.6	6.210	24.529	19.311
442	3.6	6.210	24.537	19.317
443	5.2	6.190	24.539	19.321
443	7.0	6.180	24.537	19.336
443	8.9	5.810	24.575	19.466
443	10.3	3.610	25.225	20.090
443	12.1	3.150	25.284	20.169
443	13.9	2.950	25.441	20.307
443	15.5	2.190	25.703	20.561
443	17.6	2.400	25.816	20.639
443	18.9	2.030	25.936	20.755
443	20.6	1.830	26.009	20.824
443	22.4	1.340	26.244	21.035
443	23.5	1.150	26.324	21.107
443	25.7	1.050	26.770	21.468
443	27.2	-1.150	26.157	22.032
443	28.9	-1.020	26.332	23.032
444	30.8	-1.090	26.429	23.672
444	32.1	-1.220	26.743	23.920
444	34.3	-1.270	26.908	24.063
444	35.5	-1.320	26.958	24.104
444	37.3	-1.300	26.968	24.112
444	39.7	-1.320	26.970	24.114
444	40.1	-1.320	26.970	24.114
444	42.4	-1.320	26.974	24.117
445	43.9	-1.320	26.978	24.120
445	45.4	-1.310	26.937	24.127
445	48.1	-1.300	26.990	24.130

STATION NO. 629 1 143 MONTH 8 DAY 18



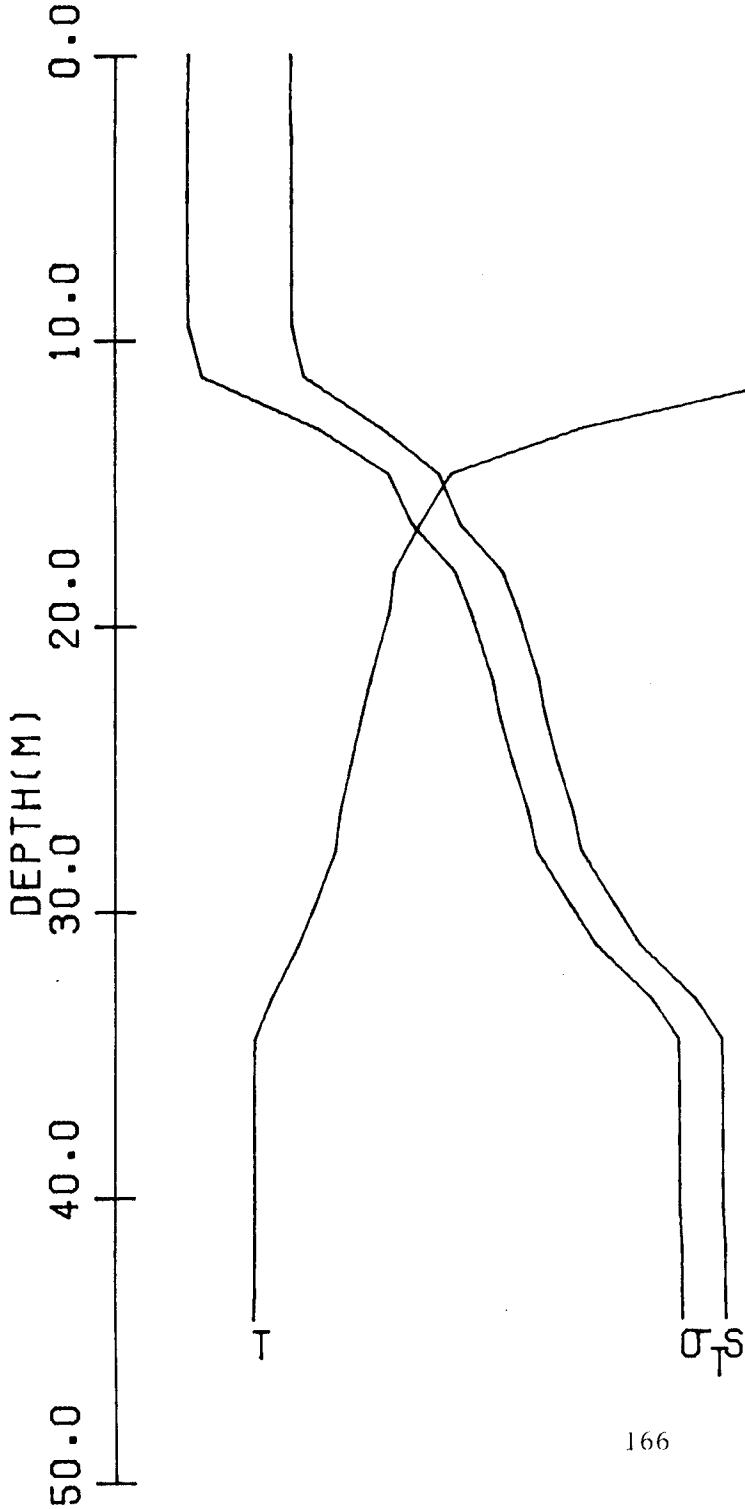
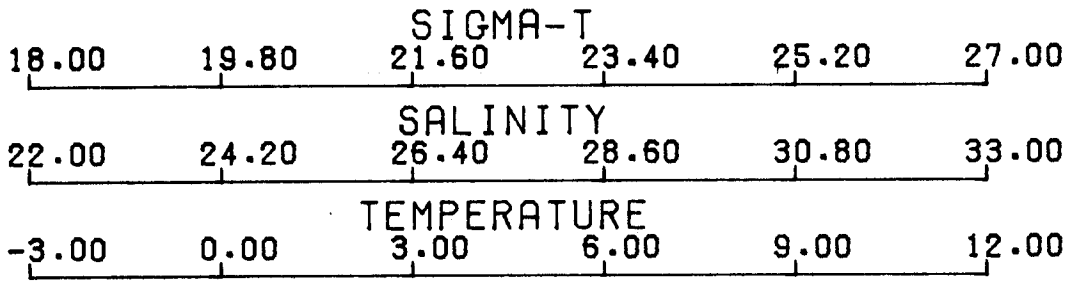
AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 629 VISIT NUM 1 CONSECUTIVE NUM 143  
 LATITUDE 54 DEGREES 23.00 MINUTES  
 LONGITUDE 82 DEGREES 3.00 MINUTES  
 SOUNDING 27.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 160 DEG  
 TEMP DEW 7.5 C TEMP WET 7.2 C  
 PRESSURE 1018.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
6 0	0.0	7.100	24.530	19.214
6 3	1.9	7.230	24.626	19.274
6 3	2.5	7.240	24.530	19.276
6 3	4.3	7.230	24.636	19.282
6 3	5.0	7.210	24.684	19.322
6 3	8.0	6.580	25.059	19.687
6 3	9.7	5.210	25.112	19.789
6 3	11.5	5.380	25.228	19.943
6 3	13.2	4.750	25.288	20.048
6 3	14.7	4.210	25.484	20.249
6 3	16.7	4.230	25.528	20.282
6 3	18.5	4.130	25.582	20.333
6 3	20.3	3.910	25.680	20.428

S

STATION NO. 603 1 144 MONTH 8 DAY 18

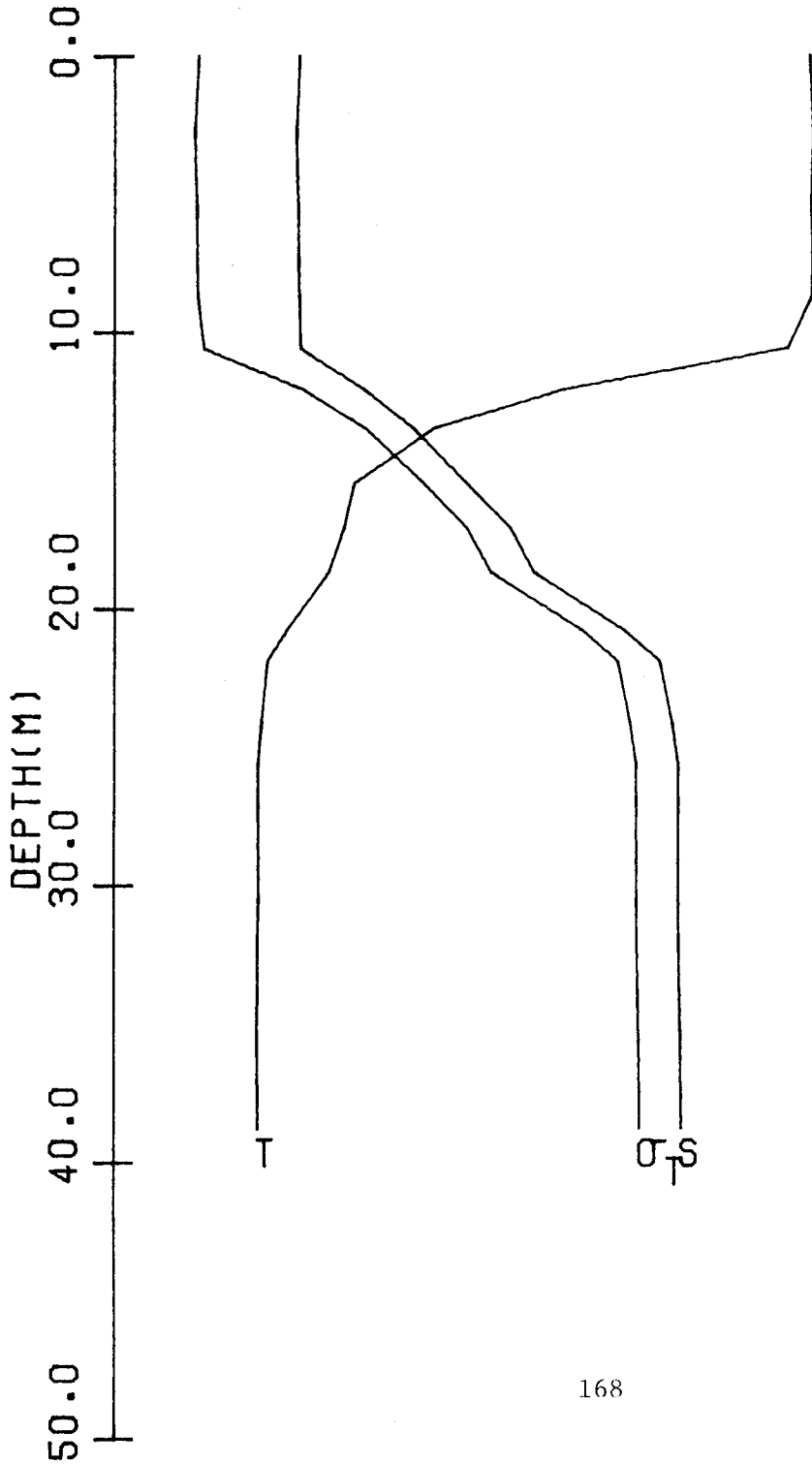
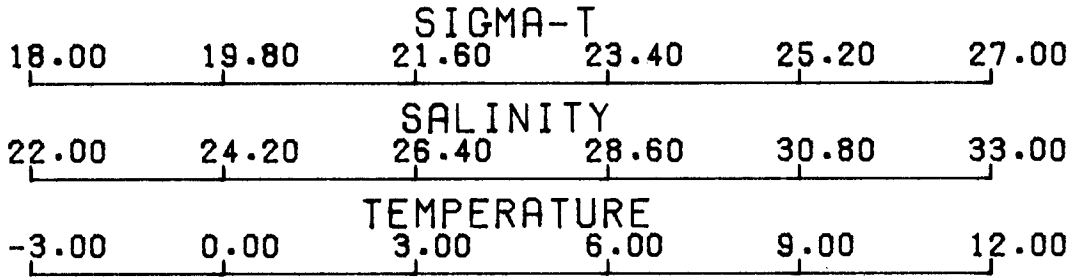


AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 633 VISIT NUM 1 CONSECUTIVE NUM 144  
 LATITUDE 53 DEGREES 56.50 MINUTES  
 LONGITUDE 81 DEGREES 42.60 MINUTES  
 SOUNDING 45.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILLOLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 190 DEG  
 TEMP DRY 9.2 C TEMP WET 7.8 C  
 PRESSURE 1017.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
838	0.0	8.100	24.005	18.684	S
844	2.3	8.190	24.002	18.671	
844	2.8	8.210	24.008	18.673	
844	4.8	8.210	24.008	18.673	
844	6.1	8.210	24.008	18.673	
844	7.9	8.190	24.009	18.676	
844	9.5	8.180	24.015	18.682	
844	11.3	7.980	24.152	18.814	
844	13.1	7.330	25.039	19.887	
844	14.7	2.240	25.702	20.557	
844	16.5	1.740	25.954	20.784	
845	18.1	1.350	26.424	21.178	
845	19.5	1.280	26.602	21.324	
845	21.5	.980	26.945	21.531	
845	23.1	.850	26.916	21.593	
845	24.8	.680	27.064	21.719	
845	26.5	.510	27.240	21.866	
845	27.9	.430	27.337	21.947	
845	29.6	.110	27.719	22.264	
845	31.2	-.150	28.011	22.507	
845	33.1	-.580	28.650	23.033	
845	34.5	-.840	28.954	23.284	
845	36.3	-.850	28.962	23.290	
845	37.9	-.850	28.952	23.290	
845	39.5	-.850	28.962	23.290	
846	40.3	-.850	28.962	23.290	
846	41.8	-.850	28.989	23.312	
846	43.4	-.850	28.989	23.312	
846	44.3	-.860	28.997	23.319	

STATION NO. 607 1 145 MONTH 8 DAY 18



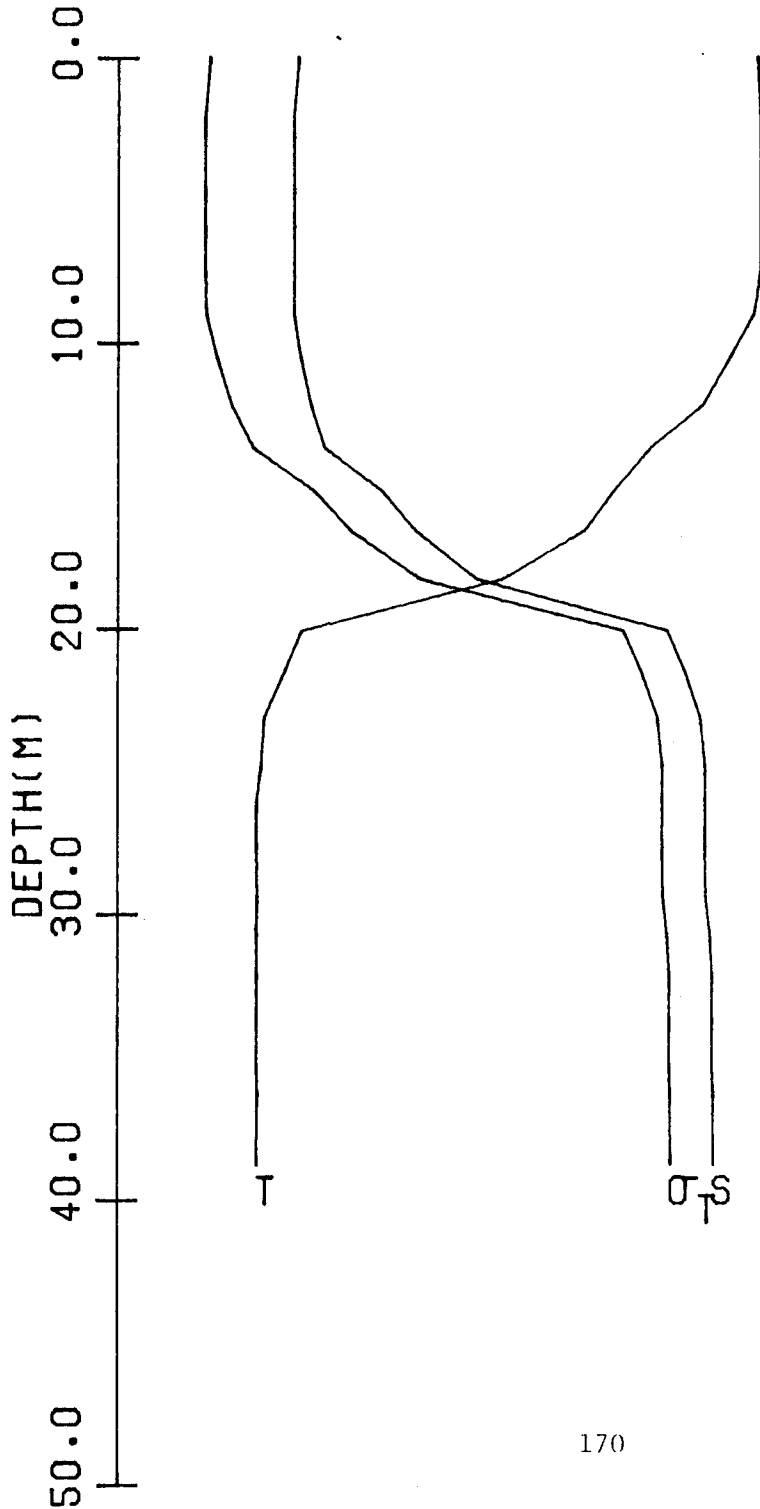
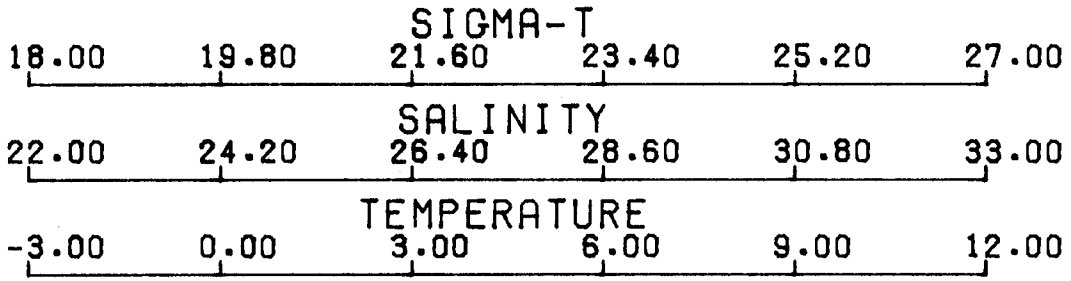
AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 607 VISIT NUM 1 CONSECUTIVE NUM 145  
 LATITUDE 53 DEGREES 57.40 MINUTES  
 LONGITUDE 81 DEGREES 26.80 MINUTES  
 SOUNDING 40.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-442  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 135 DEG  
 TEMP DRY 9.2 C TEMP WET 7.8 C  
 PRESSURE 1017.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T	
943	0.0	8.200	24.184	18.811	S
949	2.7	8.250	24.144	18.774	
949	4.1	8.230	24.147	18.779	
949	5.4	8.220	24.164	18.793	
949	7.4	8.240	24.171	18.796	
949	8.7	8.230	24.178	18.803	
949	10.6	7.840	24.194	18.864	
949	12.1	4.220	24.353	19.828	
950	13.5	2.130	25.533	20.428	
950	15.5	.850	26.166	20.993	
950	17.1	.690	26.679	21.410	
950	18.7	.450	26.956	21.640	
950	20.8	-.230	28.034	22.528	
950	21.9	-.540	28.449	22.870	
950	24.1	-.630	28.589	22.985	
950	25.6	-.690	28.659	23.043	
950	27.0	-.690	28.659	23.043	
950	29.1	-.680	28.661	23.044	
950	30.6	-.680	28.661	23.044	
950	32.0	-.700	28.665	23.048	
950	34.0	-.700	28.678	23.058	
950	35.7	-.710	28.687	23.066	
950	37.5	-.700	28.696	23.073	
951	38.8	-.700	28.698	23.074	



STATION NO. 602 1 146 MONTH 8 DAY 18



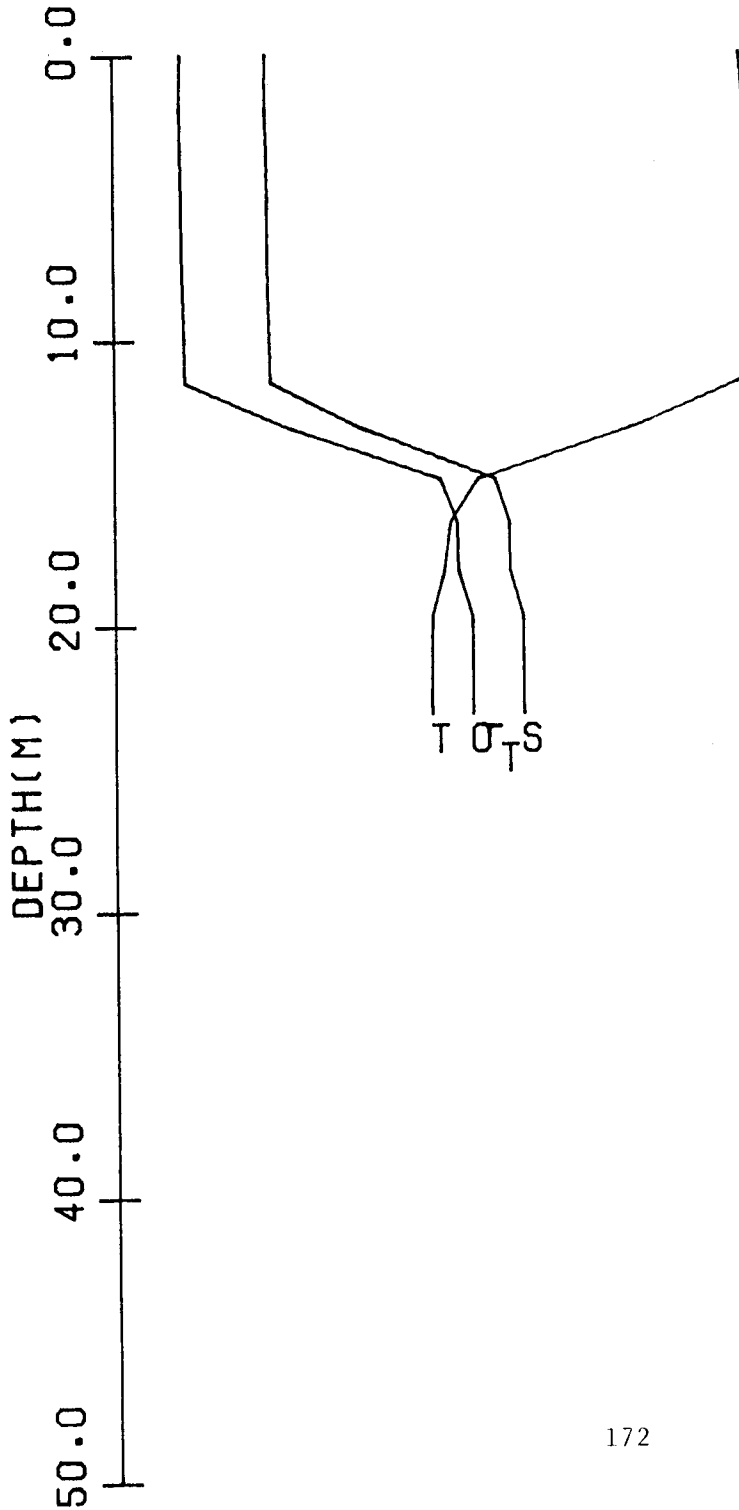
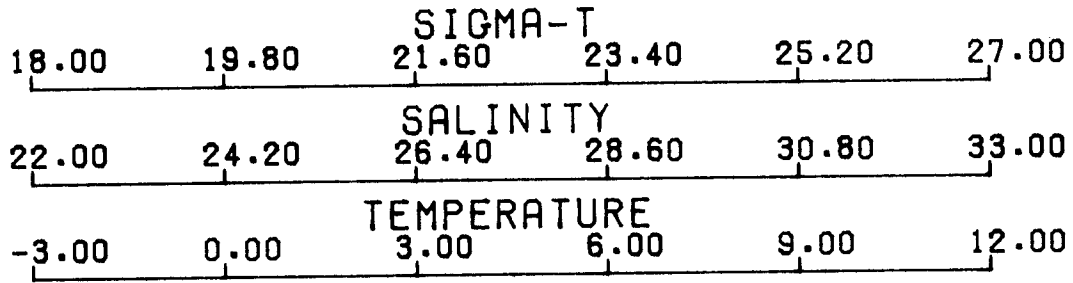
AREA SQUARE NUM 52080  
 DATE 9 MONTH 18 DAY  
 STATION NUM 602 VISIT NUM 1 CONSECUTIVE NUM 146  
 LATITUDE 53 DEGREES 57.50 MINUTES  
 LONGITUDE 81 DEGREES 1.50 MINUTES  
 SOUNDING 39.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 145 DEG  
 TEMP DRY 8.6 C TEMP WET 7.3 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1114	0.0	7.000	24.060	18.858
1119	2.1	7.040	24.004	18.809
1119	2.7	7.040	24.004	18.809
1119	4.6	7.040	24.004	18.809
1119	5.9	7.040	24.004	18.809
1119	7.5	7.040	24.004	18.809
1119	9.0	6.940	24.004	18.821
1119	10.5	6.570	24.082	18.922
1119	12.2	6.140	24.202	19.061
1120	13.7	5.320	24.351	19.266
1120	15.2	4.740	25.017	19.335
1120	16.6	4.280	25.404	20.180
1120	18.3	2.990	26.115	20.839
1120	20.1	-.150	28.237	22.737
1120	21.5	-.410	28.496	22.904
1120	23.1	-.720	28.675	23.056
1120	24.5	-.770	28.729	23.101
1120	26.1	-.840	28.730	23.103
1120	27.5	-.840	28.730	23.103
1120	29.4	-.830	28.739	23.110
1120	30.7	-.840	28.785	23.147
1120	32.1	-.840	28.811	23.168
1120	33.7	-.840	28.812	23.169
1120	35.4	-.840	28.813	23.170
1121	36.3	-.830	28.826	23.180
1121	38.5	-.840	28.829	23.183
1121	38.8	-.840	28.829	23.183

S

STATION NO. 606 1 147 MONTH 8 DAY 18



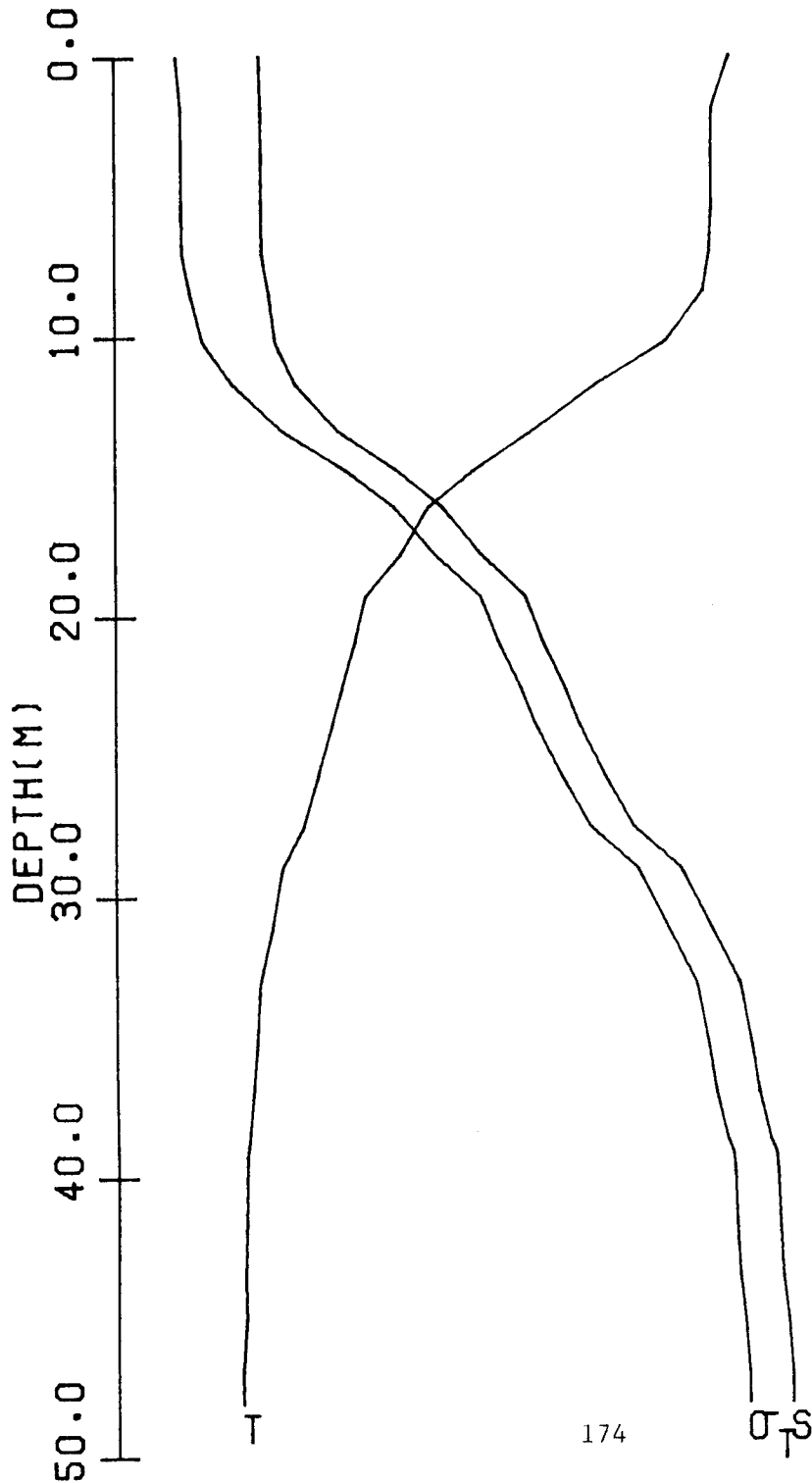
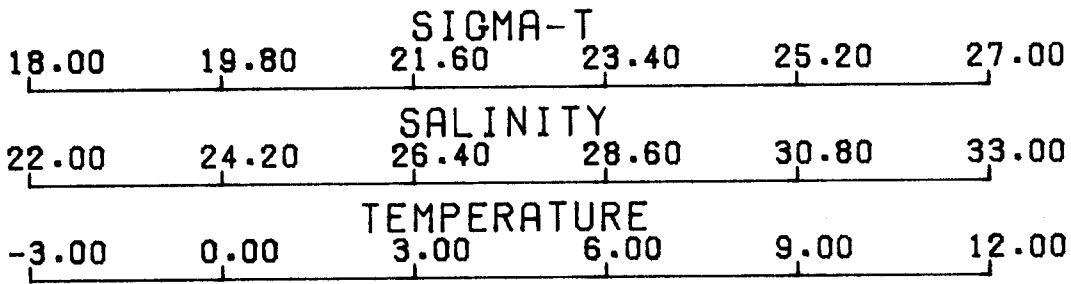
AREA SQUARE NUM 52080  
 DATE 8 MCNTH 18 DAY  
 STATION NUM 606 VISIT NUM 1 CONSECUTIVE NUM 147  
 LATITUDE 53 DEGREES 56.37 MINUTES  
 LONGITUDE 80 DEGREES 35.00 MINUTES  
 SOUNDING 27.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 165 DEG  
 TEMP DRY 8.5 C TEMP WET 8.5 C  
 PRESSURE M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1256	0.0	6.880	23.741	18.630
1259	1.0	6.860	23.735	18.619
1259	3.3	6.860	23.747	18.628
1259	5.0	6.870	23.756	18.634
1259	6.7	6.850	23.759	18.639
1259	8.3	6.840	23.753	18.643
1260	9.9	6.830	23.776	18.654
1260	11.5	6.810	23.782	18.661
1260	13.1	5.120	24.817	19.644
1260	14.9	3.370	26.354	21.050
1260	16.4	2.240	26.517	21.206
1260	18.1	2.140	26.519	21.214
1260	19.7	1.950	26.668	21.343
1260	21.1	1.940	26.669	21.344
1300	22.7	1.930	26.670	21.346
1300	23.1	1.940	26.671	21.346

S

STATION NO. 601 1 148 MONTH 8 DAY 18

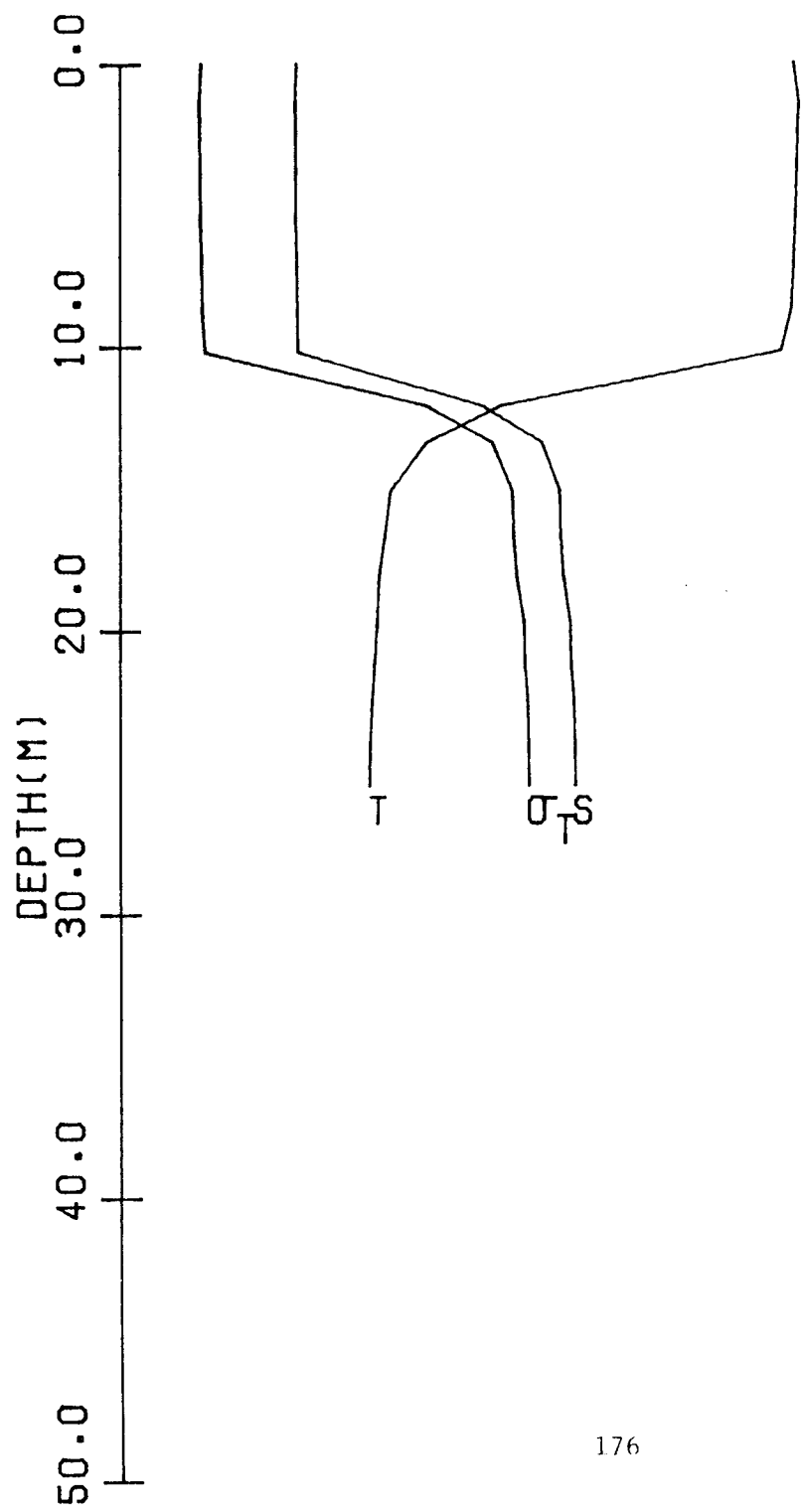
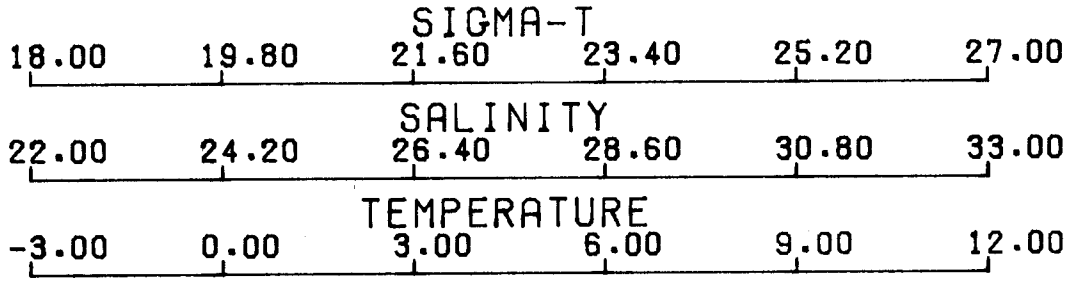


AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 601 VISIT NUM 1 CONSECUTIVE NUM 148  
 LATITUDE 53 DEGREE 56.67 MINUTES  
 LONGITUDE 80 DEGREE 21.25 MINUTES  
 SOUNDING 1.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 149 DEG  
 TEMP DRIFT 8.5 C TEMP WET 8.5 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGHT
1425	0.0	6.800	23.693	18.592
1427	1.9	6.520	23.710	18.636
1428	3.5	6.510	23.716	18.642
1428	5.4	6.510	23.716	18.642
1428	7.0	6.470	23.719	18.648
1428	8.4	6.376	23.797	18.720
1428	10.2	5.770	23.875	18.841
1428	11.7	4.670	24.109	19.125
1428	13.4	3.630	24.613	19.604
1428	14.7	2.750	25.256	20.172
1428	16.1	1.970	25.918	20.664
1428	17.8	1.530	26.273	21.049
1428	19.3	.970	26.788	21.486
1428	20.9	.800	26.989	21.654
1428	22.6	.590	27.253	21.873
1428	23.8	.450	27.403	21.999
1428	25.7	.210	27.715	22.238
1429	27.5	-.020	28.047	22.532
1429	29.0	-.360	28.600	22.987
1429	31.1	-.520	28.949	23.272
1429	33.1	-.720	29.282	23.546
1429	35.2	-.770	29.415	23.654
1429	36.9	-.830	29.502	23.736
1429	38.7	-.960	29.640	23.839
1429	39.1	-.930	29.699	23.887
1429	39.7	-.940	29.722	23.906
1429	41.5	-.930	29.741	23.922
1430	43.5	-.930	29.774	23.940
1430	45.1	-.970	29.836	23.998
1430	47.1	-1.020	29.884	24.038
1431	48.1	-1.010	29.887	24.041

STATION NO. 635 1 149 MONTH 8 DAY 18



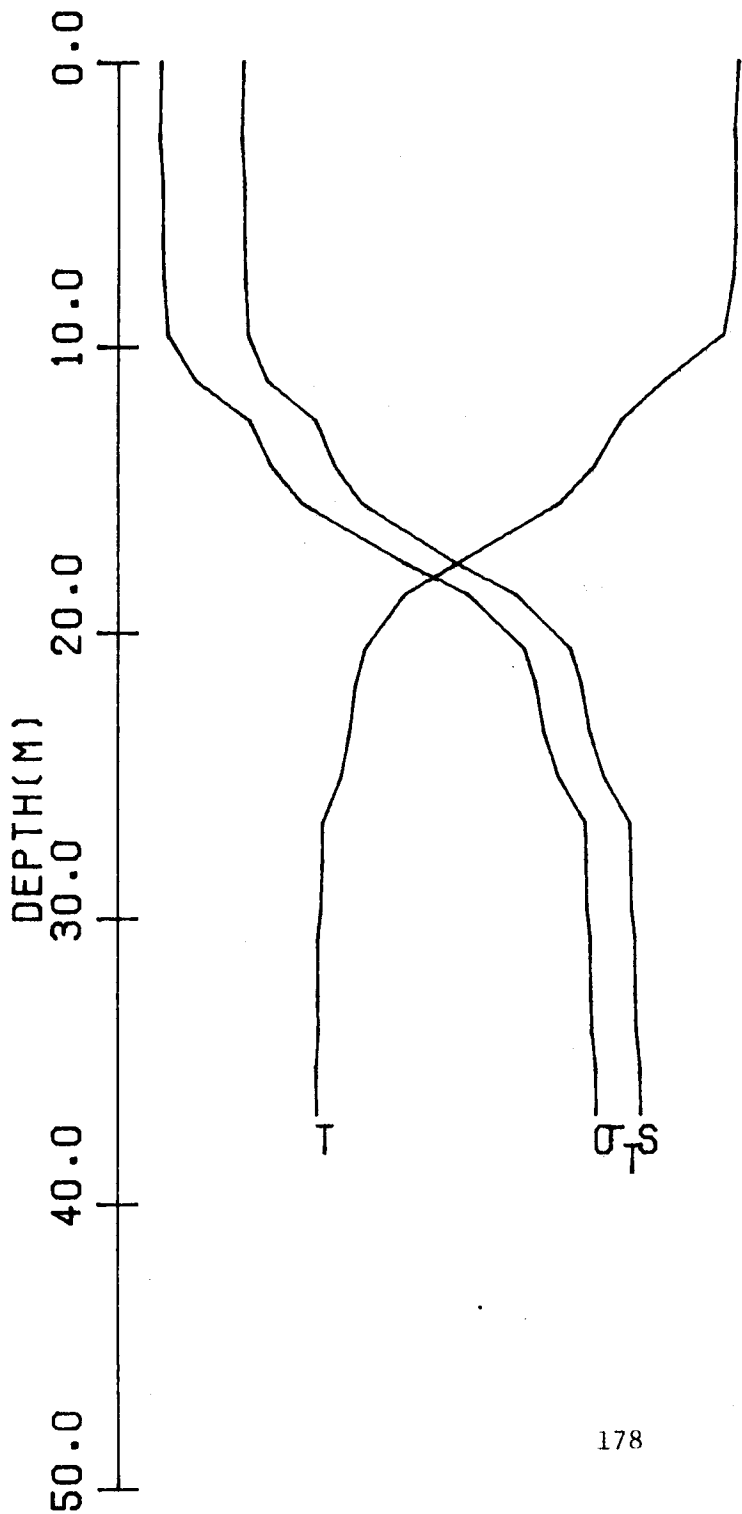
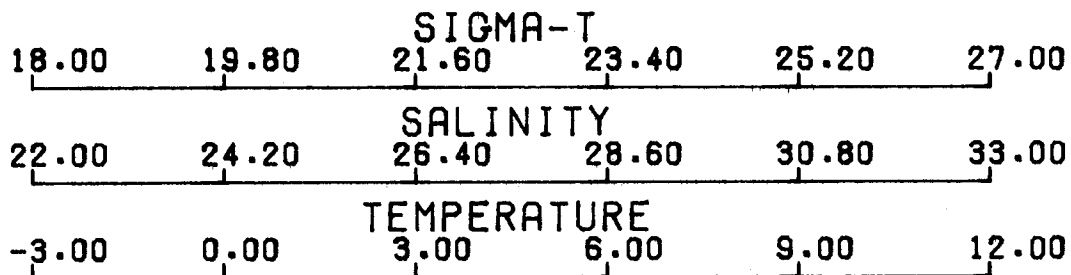
AREA SQUARE NUM 52080  
 DATE 9 MONTH 18 DAY  
 STATION NUM 635 VISIT NUM 1 CONSECUTIVE NUM 149  
 LATITUDE 53 DEGREES 30.17 MINUTES  
 LONGITUDE 80 DEGREES 48.67 MINUTES  
 SOUNDING 35.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 150 DEG  
 TEMP DRY 8.7 C TEMP WET 7.8 C  
 PRESSURE 1013.9 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1740	0.0	7.600	24.020	18.757	S
1744	1.4	7.680	24.009	18.739	
1744	2.1	7.660	24.013	18.744	
1744	3.7	7.640	24.013	18.747	
1744	5.4	7.620	24.015	18.751	
1744	6.9	7.590	24.022	18.760	
1744	8.7	7.550	24.029	18.770	
1744	10.2	7.390	24.036	18.794	
1744	12.1	2.970	26.160	20.877	
1745	13.4	1.790	26.956	21.502	
1745	15.1	1.220	27.056	21.690	
1745	16.7	1.140	27.065	21.700	
1745	18.1	1.050	27.035	21.728	
1745	19.7	1.020	27.175	21.794	
1745	21.1	.980	27.183	21.802	
1745	22.6	.940	27.217	21.831	
1745	24.1	.910	27.225	21.838	
1745	25.5	.900	27.229	21.842	



STATION NO. 634 1 150 MONTH 8 DAY 18



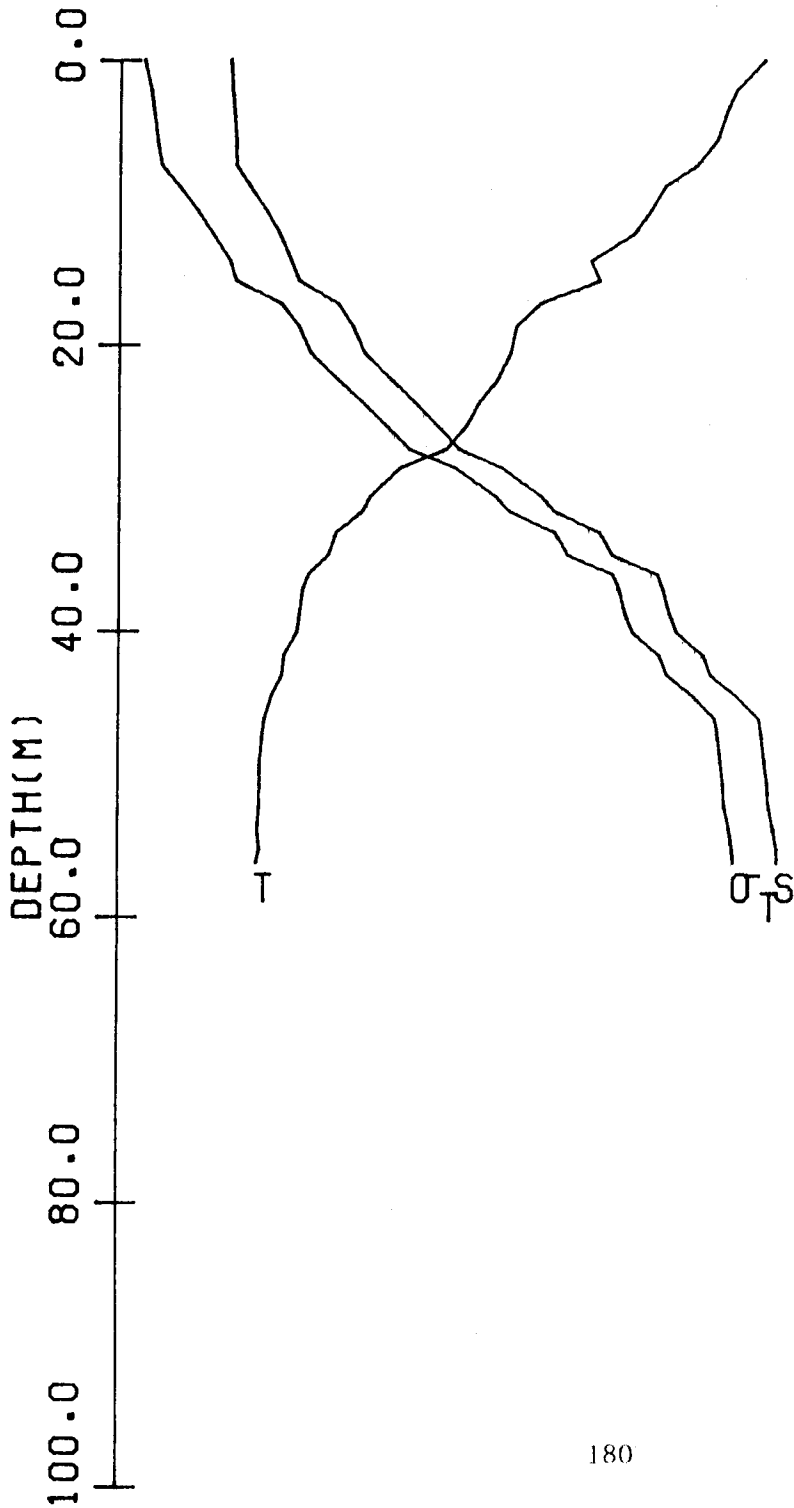
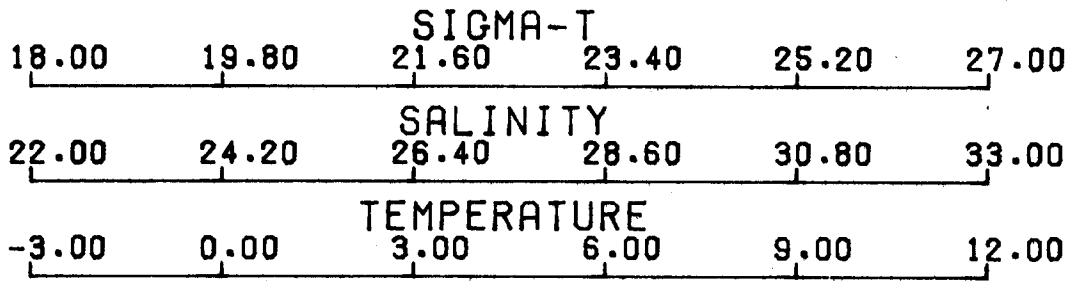
AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 634 VISIT NUM 1 CONSECUTIVE NUM 150  
 LATITUDE 53 DEGREES 30.50 MINUTES  
 LONGITUDE 80 DEGREES 27.70 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 18 KNTS WIND DIR 165 DEG  
 TEMP DRY 8.9 C TEMP WET 8.8 C  
 PRESSURE 1013.5 M BAR WAVE HEIGHT 1.5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCH DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
19 0	0.0	5.700	23.438	18.403
19 3	2.5	5.640	23.414	18.391
19 3	2.7	6.650	23.415	18.391
19 3	4.3	6.650	23.448	18.417
19 3	6.1	6.650	23.448	18.417
19 3	7.5	6.620	23.456	18.426
19 3	9.6	6.460	23.485	18.466
19 4	11.2	5.530	23.706	18.731
19 4	12.8	4.850	24.266	19.233
19 4	14.2	4.430	24.478	19.436
19 4	15.7	3.890	24.786	19.722
19 4	17.6	2.290	25.857	20.686
19 4	18.7	1.460	26.556	21.279
19 4	20.6	.840	27.183	21.808
19 4	21.8	.700	27.306	21.912
19 4	23.5	.610	27.399	21.990
19 4	25.1	.470	27.563	22.127
19 4	26.7	.188	27.853	22.379
19 4	28.0	.180	27.873	22.386
19 4	29.7	.160	27.882	22.393
19 4	30.7	.110	27.921	22.426
19 4	32.6	.110	27.926	22.430
19 5	34.0	.120	27.936	22.438
19 5	35.3	.080	27.980	22.475
19 5	36.9	.090	27.983	22.477

S

STATION NO. 633 1 151 MONTH 8 DAY 18

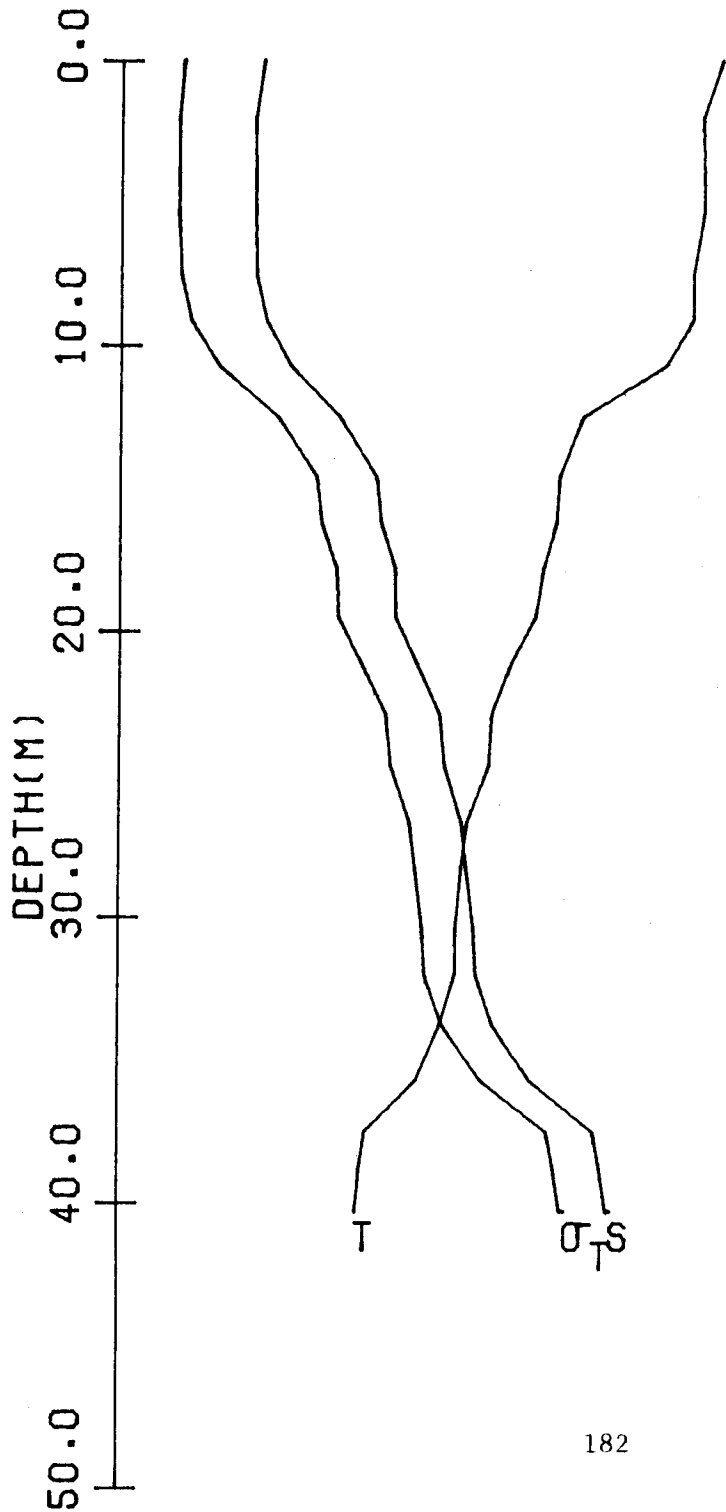
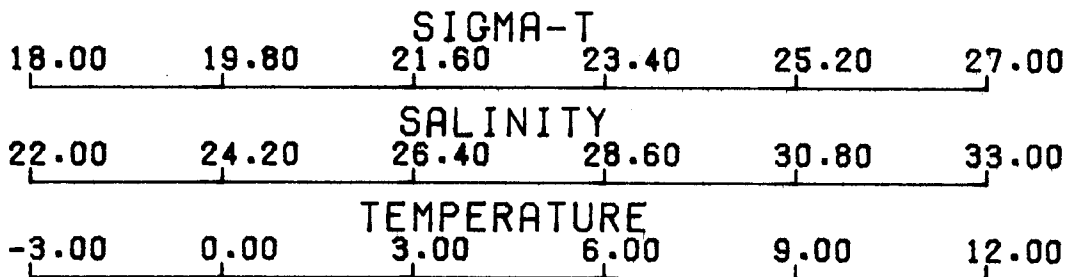


AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 633 VISIT NUM 1 CONSECUTIVE NUM 151  
 LATITUDE 53 DEGREES 30.60 MINUTES  
 LONGITUDE 80 DEGREES 4.00 MINUTES  
 SOUNDING 57.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDOLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 19 KNTS WIND DIR 155 DEG  
 TEMP DRY 11.6 C TEMP WET 9.8 C  
 PRESSURE 1013.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.5

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2018	0.0	7.100	23.271	18.220
2026	2.1	6.650	23.290	18.293
2026	3.5	6.510	23.306	18.320
2026	5.6	6.350	23.327	18.353
2026	7.4	6.030	23.335	18.391
2026	8.8	5.530	23.485	18.557
2026	10.6	5.300	23.681	18.733
2026	12.2	5.040	23.931	18.874
2026	14.1	4.370	23.966	19.035
2026	15.5	4.510	24.056	19.096
2027	17.1	3.580	24.502	19.519
2027	18.7	3.200	24.677	19.684
2027	20.6	3.110	24.809	19.795
2027	22.5	2.900	25.135	20.067
2027	24.0	2.630	25.385	20.282
2027	25.5	2.430	25.647	20.502
2027	27.0	2.110	25.906	20.727
2027	28.6	1.390	26.398	21.156
2027	30.6	.920	26.852	21.539
2027	31.6	.800	26.936	21.659
2027	33.1	.390	27.521	22.096
2027	34.7	.270	27.669	22.219
2027	36.0	.040	28.187	22.645
2027	37.1	-.130	28.255	22.703
2027	38.8	-.180	28.328	22.763
2029	40.1	-.220	28.407	22.827
2029	41.7	-.420	28.721	23.086
2029	43.1	-.450	28.805	23.154
2029	44.5	-.610	28.808	23.394
2029	46.1	-.720	28.998	23.606
2030	47.2	-.750	29.099	23.633
2030	49.1	-.790	29.324	23.862
2030	50.7	-.790	29.455	23.887
2030	52.3	-.800	29.604	23.994
2030	53.3	-.820	29.525	23.744
2030	55.0	-.790	29.566	23.776
2031	56.2	-.840	29.571	23.782

STATION NO. 632 1 152 MONTH 8 DAY 18



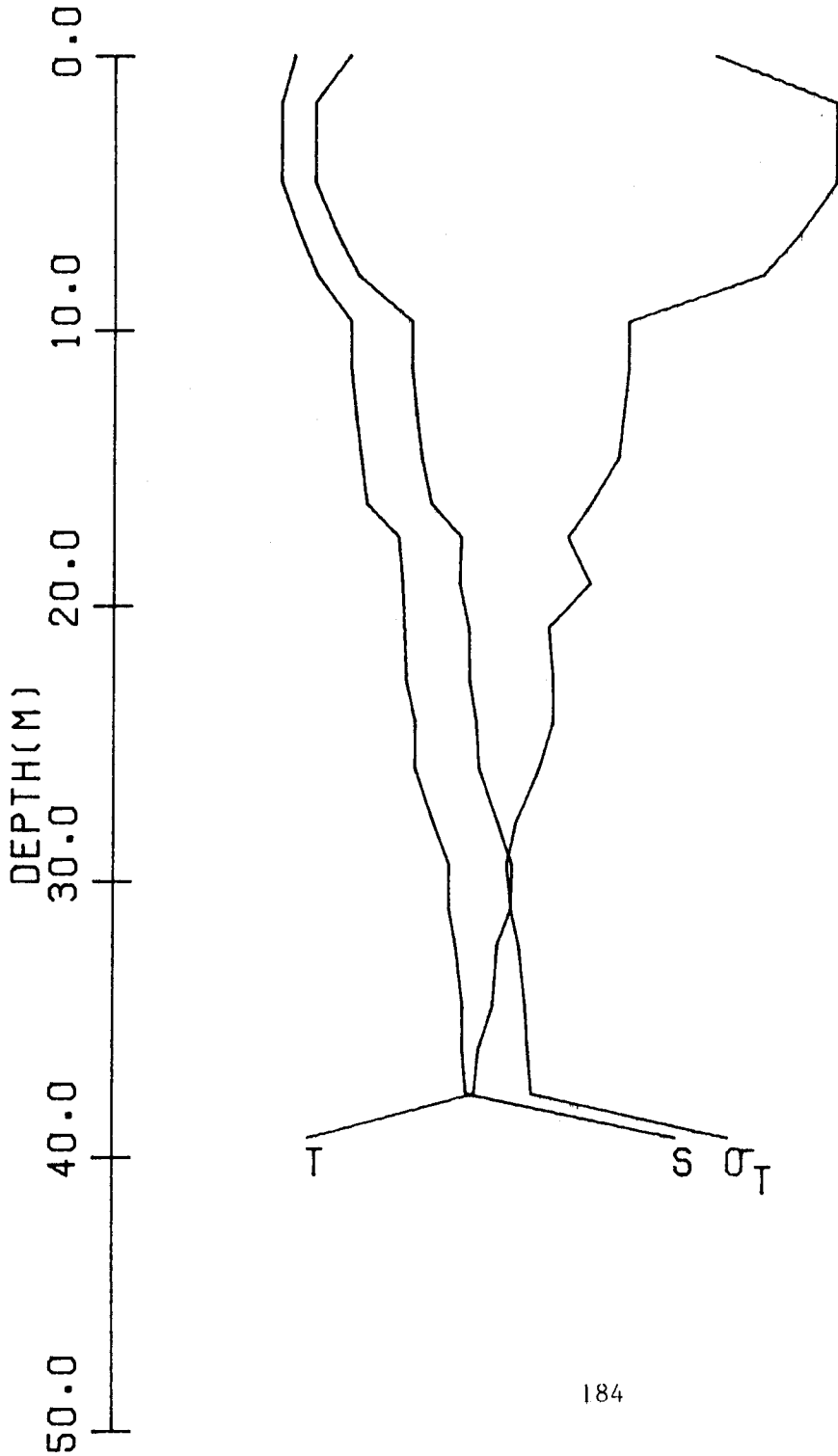
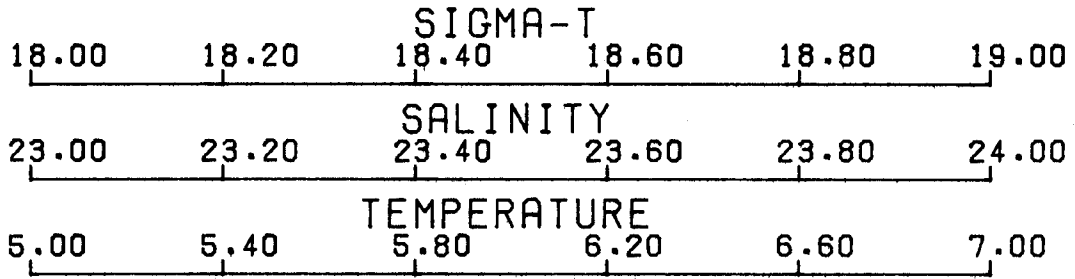
AREA SQUARE NUM 52075  
 DATE 8 MONTH 18 DAY  
 STATION NUM 632 VISIT NUM 1 CONSECUTIVE NUM 152  
 LATITUDE 53 DEGREES 30.30 MINUTES  
 LONGITUDE 79 DEGREES 47.70 MINUTES  
 SOUNDING 42.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 185 DEG  
 TEMP DRF 9.0 C TEMP WET 8.0 C  
 PRESSURE 1013.5 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2125	0.0	5.400	23.619	18.577
2127	2.0	6.100	23.524	18.533
2127	4.0	6.120	23.528	18.534
2127	5.3	6.120	23.528	18.534
2127	7.5	5.950	23.540	18.560
2127	9.1	5.950	23.556	18.552
2127	10.7	5.530	23.541	18.916
2127	12.5	5.230	24.507	19.475
2127	14.6	3.860	24.932	19.830
2127	15.2	3.820	24.987	19.886
2127	17.8	3.620	23.152	20.031
2127	19.5	3.500	25.157	20.044
2127	21.1	3.130	25.397	20.260
2127	22.9	2.820	25.657	20.495
2127	24.7	2.780	25.723	20.542
2128	26.7	2.440	25.921	20.720
2128	28.3	2.350	25.980	20.772
2128	30.4	2.260	26.066	20.846
2128	32.0	2.260	26.092	20.867
2128	33.8	2.020	26.290	21.038
2128	35.7	1.650	26.717	21.398
2128	37.7	.850	27.450	22.021
2128	38.7	.770	27.520	22.080
2128	40.3	.710	27.501	22.148
2128	40.3	.700	27.650	22.187

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STATION NO. 631 1 153 MONTH 8 DAY 18



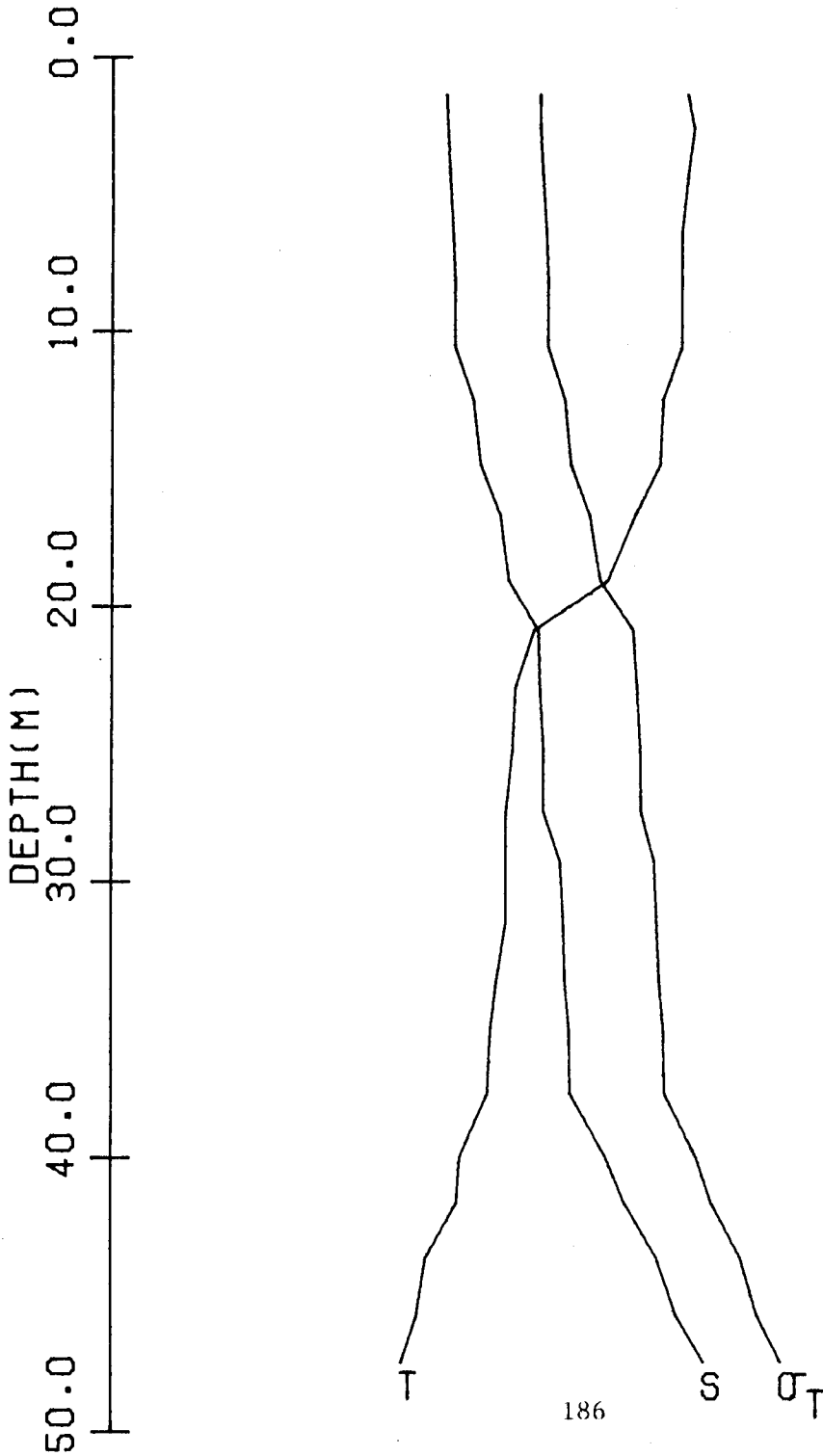
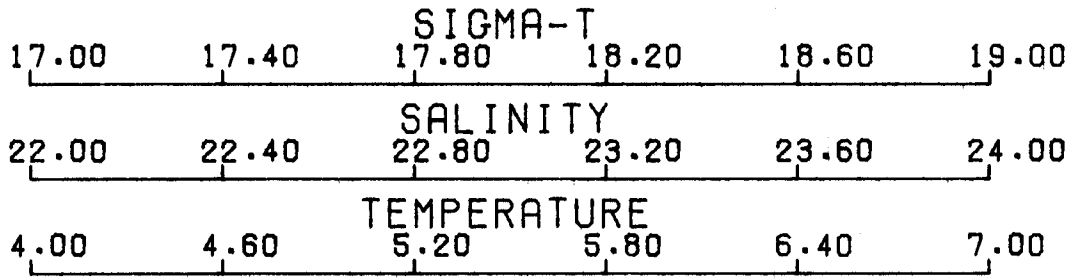
AREA SQUARE NUM 52076  
 DATE 8 MONTH 18 DAY  
 STATION NUM 631 VISIT NUM 1 CONSECUTIVE NUM 153  
 LATITUDE 53 DEGREES 30.30 MINUTES  
 LONGITUDE 79 DEGREES 24.00 MINUTES  
 SOUNDING 43.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 164 DEG  
 TEMP DRIFT 10.0 C TEMP WET 9.8 C  
 PRESSURE 1013.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	
2259	0.0	6.300	23.194	18.254	
2237	1.7	6.360	23.180	18.216	S
2237	3.2	6.560	23.180	18.216	
2237	4.6	6.560	23.180	18.216	
2237	6.5	6.480	23.200	18.240	
2237	8.0	6.400	23.219	18.263	
2237	9.7	6.110	23.256	18.306	
2237	11.4	6.110	23.256	18.322	
2237	13.0	6.100	23.261	18.326	
2237	14.6	6.090	23.267	18.332	
2237	16.3	6.030	23.273	18.342	
2237	17.9	6.030	23.303	18.375	
2237	19.5	6.030	23.312	18.378	
2237	20.8	6.040	23.314	18.384	
2238	22.7	6.050	23.316	18.388	
2238	24.2	6.050	23.326	18.392	
2238	25.9	6.050	23.326	18.395	
2238	27.0	6.070	23.346	18.416	
2238	29.4	6.050	23.363	18.431	
2238	31.0	6.060	23.363	18.438	
2238	32.3	6.030	23.370	18.438	
2238	34.5	6.020	23.378	18.446	
2238	36.1	6.070	23.378	18.449	
2238	37.7	6.080	23.382	18.453	
2238	39.3	6.420	23.609	18.665	



STATION NO. 644 1 154 MONTH 8 DAY 19

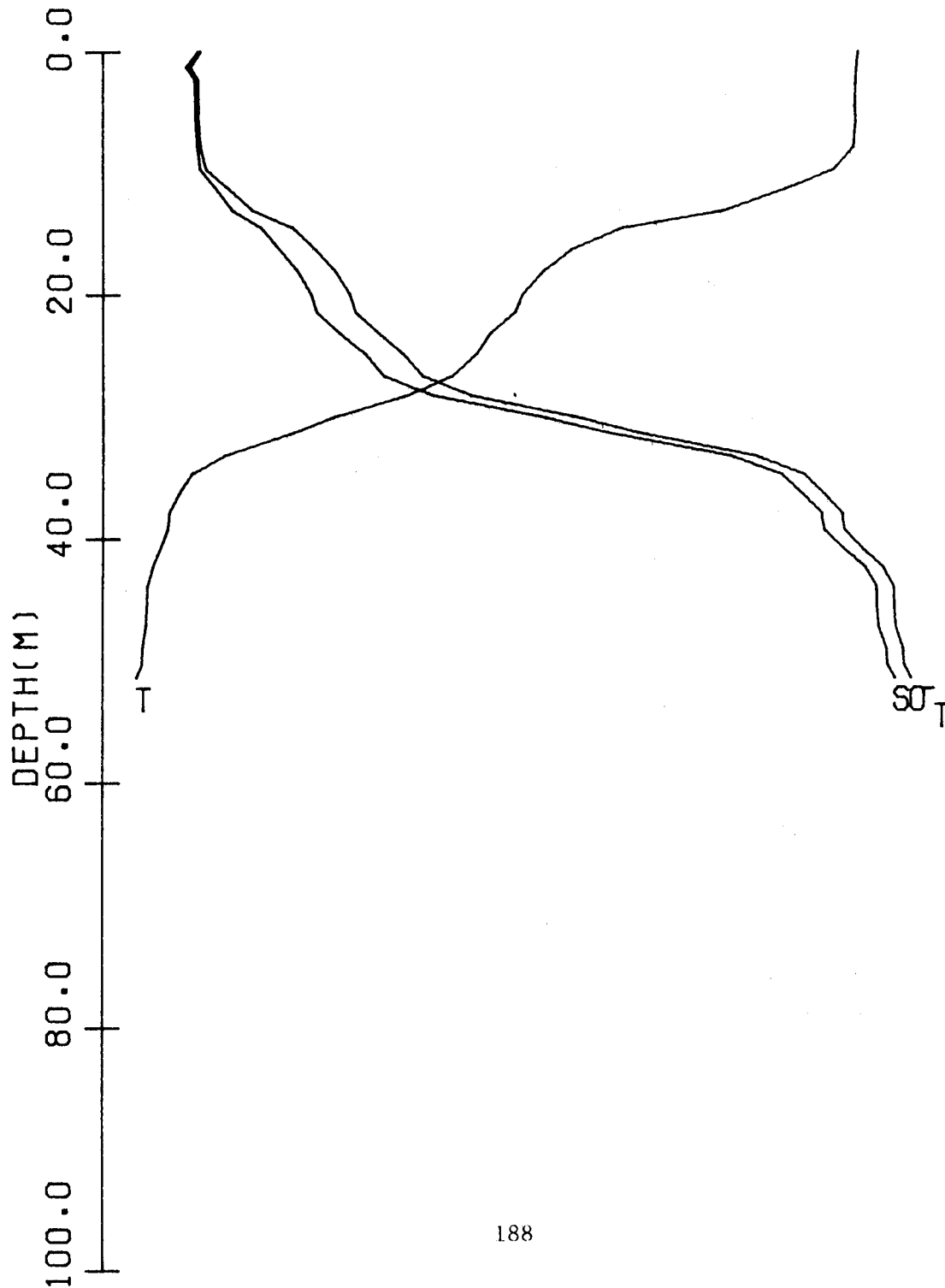
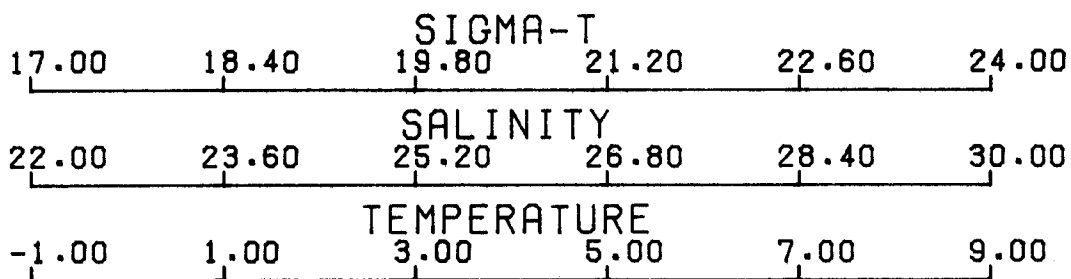


AREA SQUARE NUM 52076  
 DATE 8 MONTH 19 DAY  
 STATION NUM 644 VISIT NUM 1 CONSECUTIVE NUM 154  
 LATITUDE 53 DEGREES 7.25 MINUTES  
 LONGITUDE 79 DEGREES 21.50 MINUTES  
 SOUNDING 3.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 170 DEG  
 TEMP DRY 11.1 C TEMP WET 11.0 C  
 PRESSURE 1017.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
120	1.4	5.870	22.723	17.926
120	2.6	5.890	22.725	17.926
120	4.3	5.870	22.730	17.932
120	6.4	5.850	22.737	17.939
120	8.3	5.850	22.742	17.943
120	10.6	5.850	22.742	17.943
120	12.5	5.790	22.781	17.979
120	14.9	5.780	22.798	17.994
120	16.7	5.700	22.840	18.034
120	19.1	5.610	22.859	18.057
120	20.9	5.370	22.923	18.129
121	23.0	5.310	22.927	18.138
121	25.3	5.300	22.935	18.145
121	27.5	5.280	22.935	18.147
121	29.3	5.280	22.971	18.175
121	31.5	5.280	22.978	18.181
121	33.6	5.250	22.981	18.185
121	35.4	5.230	22.991	18.195
121	37.7	5.220	22.993	18.198
121	40.0	5.130	23.070	18.266
121	41.7	5.120	23.112	18.300
121	43.7	5.020	23.181	18.363
121	45.8	4.990	23.224	18.400
121	47.5	4.940	23.283	18.450

STATION NO. 6113 1 155 MONTH 8 DAY 21



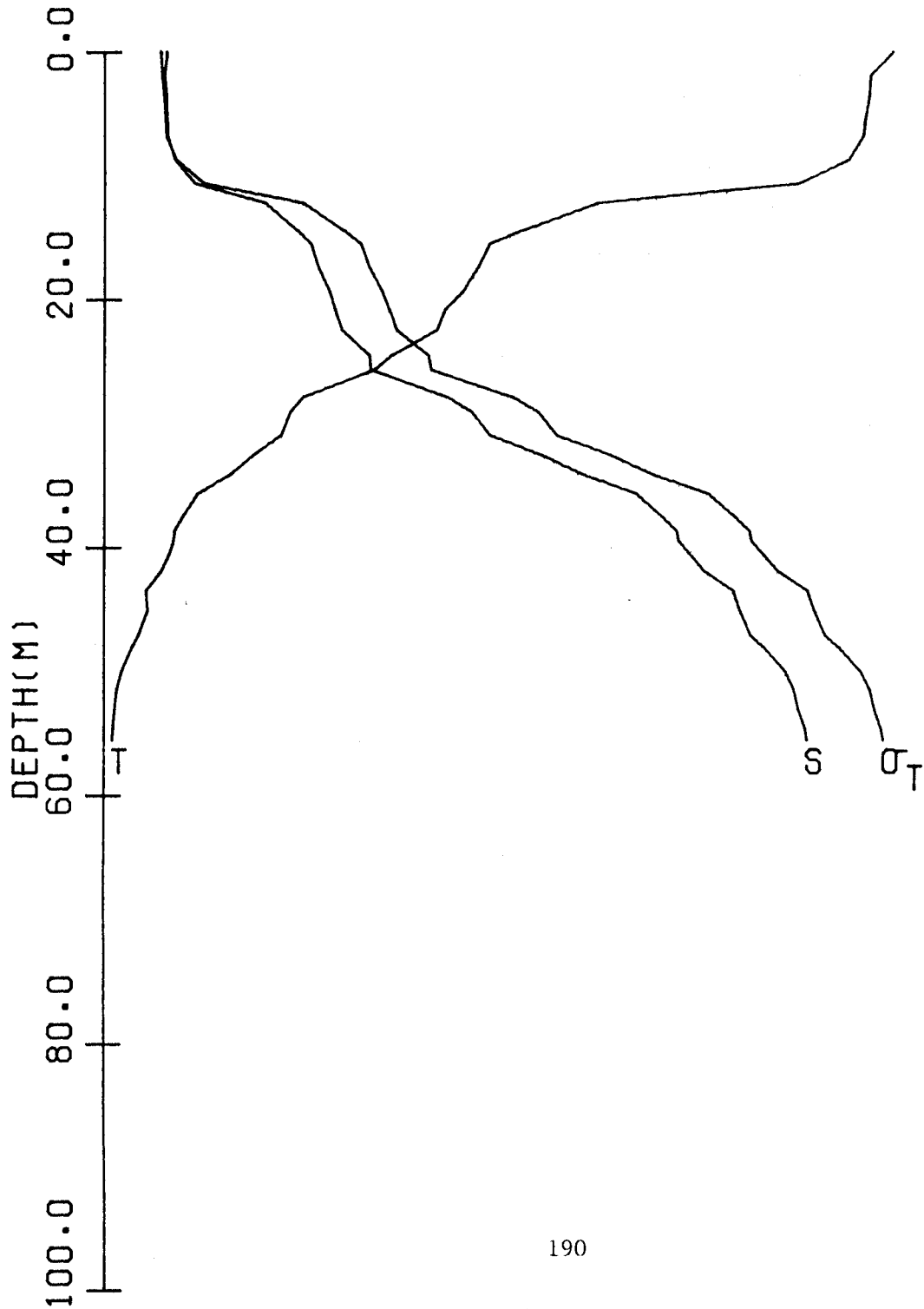
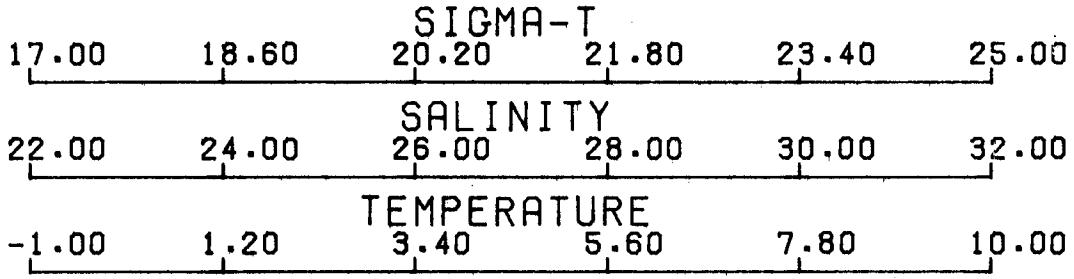
AREA SQUARE NUM 52075  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6113 VISIT NUM 1 CONSECUTIVE NUM 155  
 LATITUDE 54 DEGREES 15.15 MINUTES  
 LONGITUDE 79 DEGREES 53.00 MINUTES  
 SOUNDING 60.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 240 DEG  
 TEMP DEW 11.6 C TEMP WET 10.7 C  
 PRESSURE 938.2 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1630	0.0	8.200	22.919	17.825
1635	1.3	8.180	22.804	17.738
1635	2.3	8.170	22.889	17.805
1635	4.5	8.160	22.894	17.810
1635	5.7	8.170	22.896	17.811
1635	7.9	8.140	22.916	17.830
1635	9.7	7.900	22.942	17.879
1635	11.2	7.360	23.089	18.057
1635	13.1	6.570	23.261	18.278
1635	14.7	5.330	23.540	18.619
1635	16.3	4.710	23.720	18.814
1635	18.1	4.360	23.899	18.984
1635	20.0	4.110	24.032	19.108
1636	21.5	4.020	24.086	19.158
1636	23.2	3.720	24.318	19.356
1636	24.9	3.550	24.558	19.566
1636	26.7	3.260	24.741	19.731
1636	28.3	2.720	25.211	20.138
1636	30.1	1.800	25.318	21.072
1636	31.3	1.340	26.918	21.574
1636	33.2	.480	28.125	22.577
1636	34.7	.080	28.619	22.988
1636	36.3	.080	28.824	23.158
1636	37.9	.200	29.020	23.320
1636	38.4	.200	29.020	23.320
1637	39.7	.220	29.039	23.336
1637	40.9	.310	29.237	23.498
1637	42.3	.400	29.436	23.661
1637	43.9	.460	29.550	23.755
1637	45.7	.470	29.557	23.760
1637	47.2	.480	29.558	23.790
1638	49.0	.520	29.648	23.835
1638	50.3	.530	29.657	23.843
1638	51.4	.590	29.729	23.903

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STATION NO. 6114 1 156 MONTH 8 DAY 21

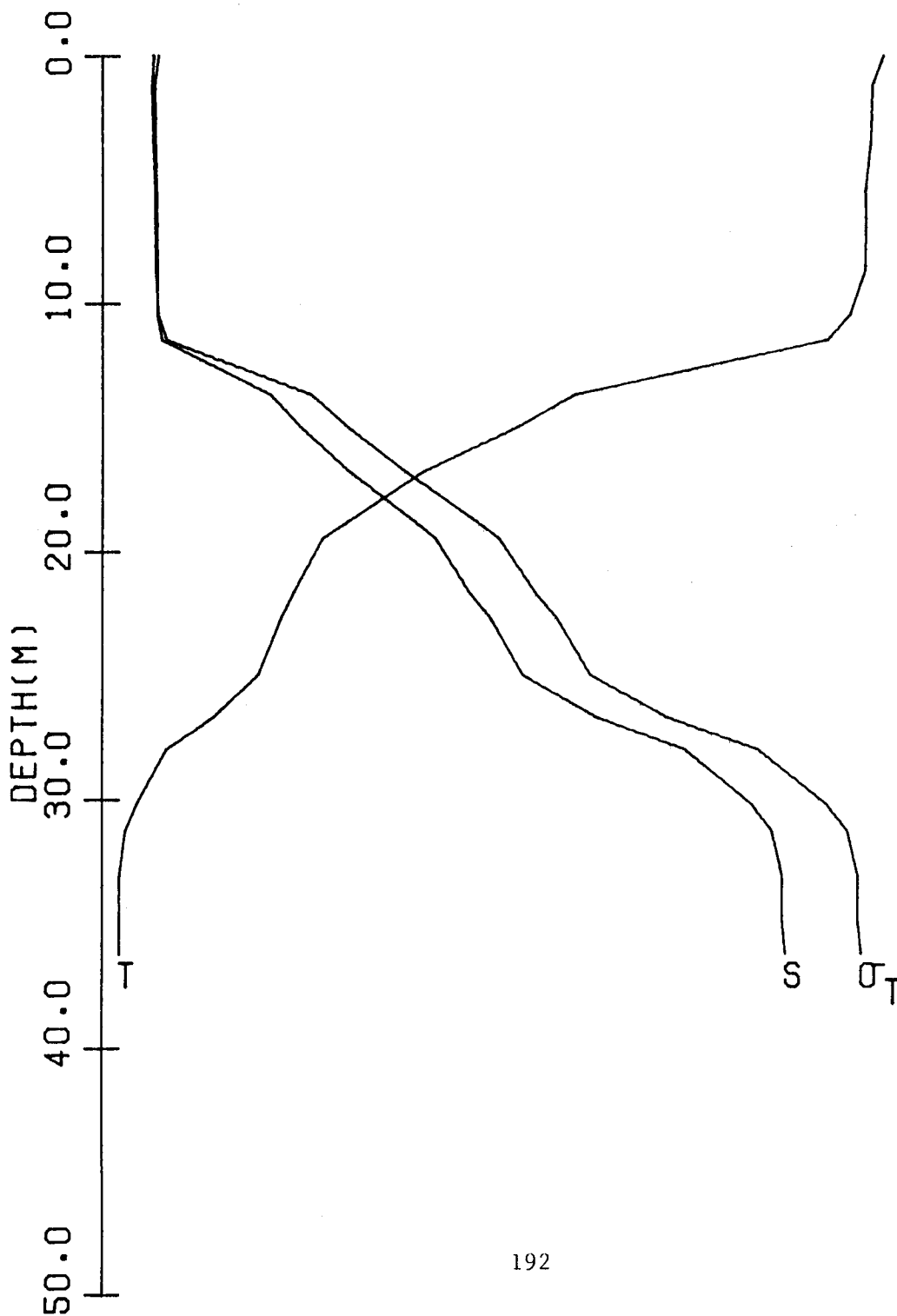
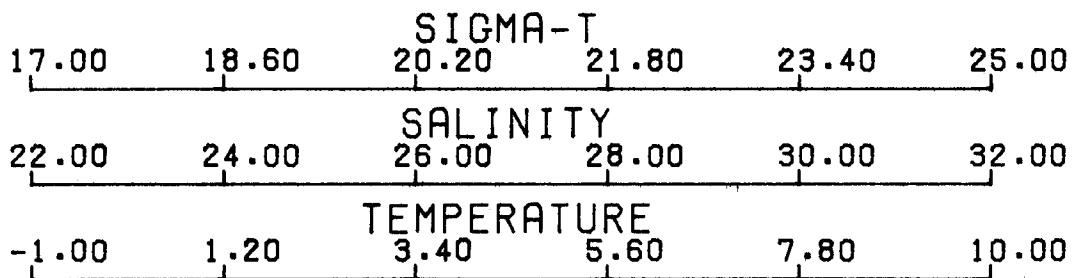


AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6114 VISIT NUM 1 CONSECUTIVE NUM 156  
 LATITUDE 54 DEGREES 15.10 MINUTES  
 LONGITUDE 80 DEGREES 1.00 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS  
 TEMP DRY 13.4 C  
 PRESSURE 998.1 M BAP  
 SWELL HEIGHT M  
 SECCHI DISC M  
 WIND DIR 240 DEG  
 TEMP WET 12.1 C  
 WAVE HEIGHT 1.0 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1720	0.0	9.400	22.750	17.537	
1718	1.9	9.100	22.719	17.553	S
1718	3.5	9.080	22.742	17.574	
1718	5.6	9.020	22.751	17.589	
1718	6.8	9.000	22.750	17.598	
1718	8.7	8.310	22.349	17.693	
1718	10.6	8.160	23.088	17.961	
1718	12.2	5.500	23.327	18.908	
1718	14.4	4.510	24.310	19.297	
1718	15.5	4.070	24.479	19.465	
1719	17.4	3.920	24.555	19.544	
1719	19.4	3.720	24.704	19.669	
1719	20.8	3.490	24.767	19.736	
1719	22.5	3.380	24.330	19.809	
1719	24.5	2.790	25.132	20.111	
1719	25.7	2.560	25.198	20.138	
1719	27.9	1.620	26.113	20.917	
1719	29.1	1.450	26.414	21.166	
1719	31.0	1.330	26.534	21.347	
1719	32.6	.960	27.261	21.865	
1719	34.1	.670	27.735	22.257	
1719	35.7	.230	28.335	22.803	
1719	37.6	.020	28.715	23.067	
1719	38.7	-.080	28.879	23.203	
1720	39.5	-.090	28.901	23.221	
1720	40.6	-.150	29.042	23.336	
1720	41.9	-.250	29.206	23.471	
1720	43.5	-.450	29.554	23.757	
1720	45.1	-.430	29.633	23.821	
1720	47.1	-.550	29.763	23.929	
1721	48.0	-.630	29.913	24.052	
1721	50.0	-.770	30.179	24.270	
1721	51.4	-.830	30.281	24.354	
1721	53.1	-.860	30.340	24.403	
1721	54.6	-.880	30.417	24.465	
1721	55.5	-.890	30.440	24.484	

STATION NO. 6115 1 157 MONTH 8 DAY 21



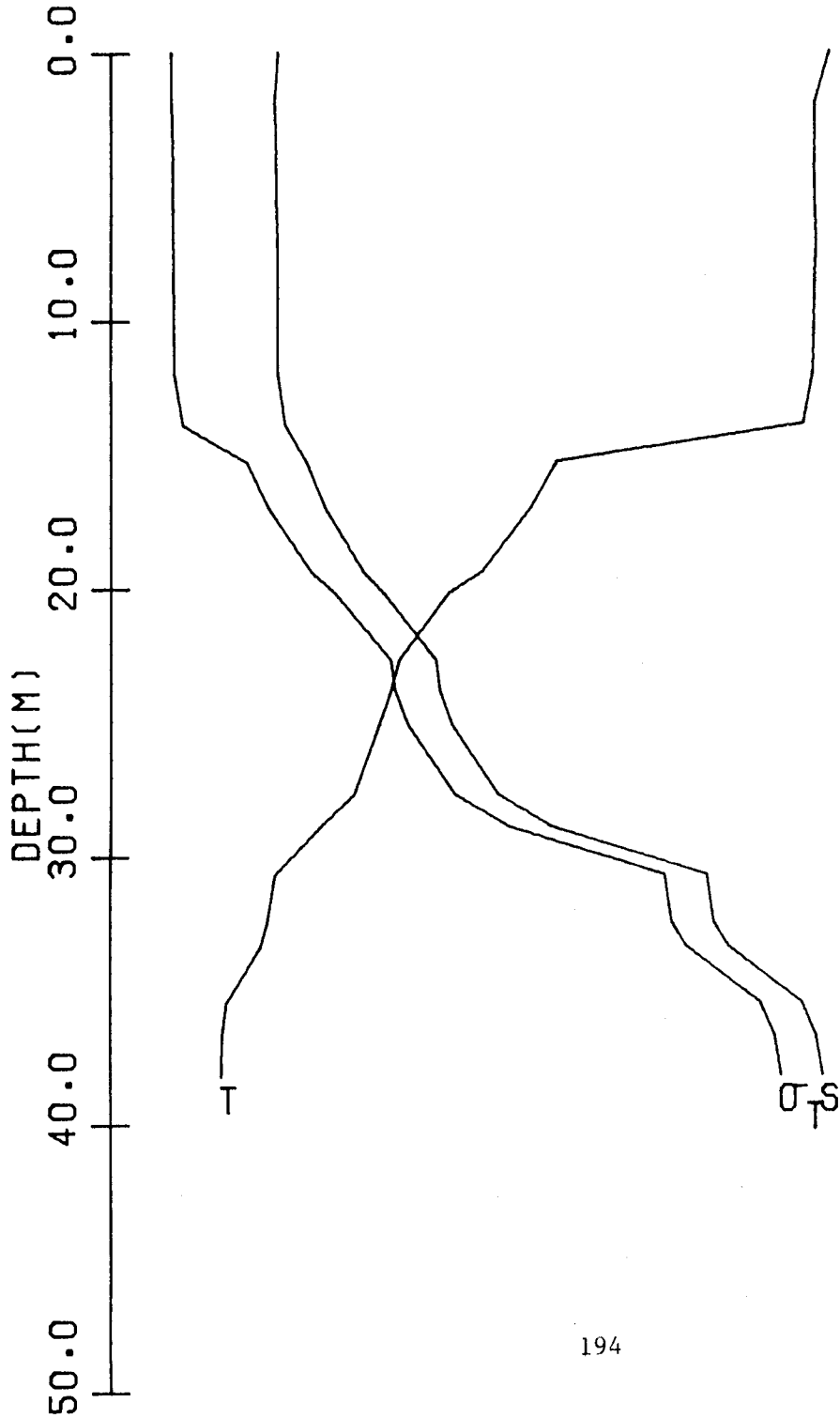
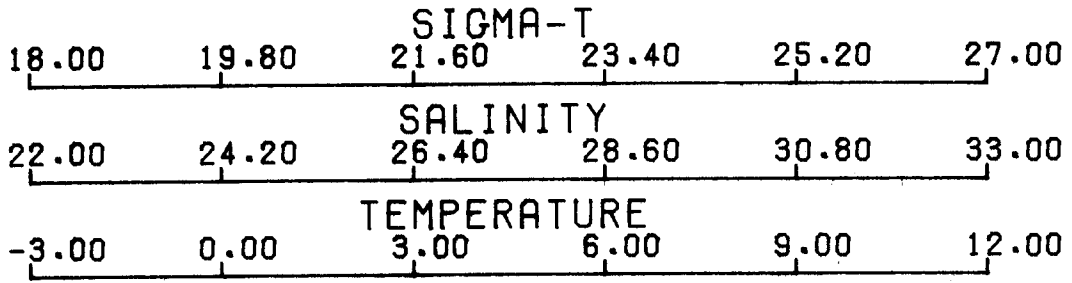
AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6115 VISIT NUM 1 CONSECUTIVE NUM 157  
 LATITUDE 54 DEGREES 15.20 MINUTES  
 LONGITUDE 80 DEGREES 14.50 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 19 KNTS WIND DIR 240 DEG  
 TEMP DRY 12.7 C TEMP WET 11.6 C  
 PRESSURE 998.1 M BAR WAVE HEIGHT 1.2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGNAT
1813	0.0	9.300	22.659	17.488
1818	1.2	9.150	22.623	17.472
1818	2.3	9.140	22.629	17.478
1818	3.5	9.130	22.635	17.484
1818	5.5	9.060	22.647	17.503
1818	6.6	9.070	22.650	17.504
1818	8.7	9.060	22.656	17.510
1818	10.5	8.860	22.656	17.536
1818	11.5	8.570	22.712	17.617
1818	13.7	5.230	24.013	19.000
1818	15.0	4.480	24.359	19.346
1819	16.8	3.230	24.956	19.903
1819	18.8	2.240	25.740	20.587
1819	19.5	1.900	25.991	20.806
1819	21.7	1.510	26.406	21.156
1819	22.7	1.350	26.648	21.357
1819	25.0	1.050	27.038	21.683
1819	26.7	.460	27.928	22.420
1819	28.0	-.160	28.987	23.292
1819	30.2	-.550	29.787	23.948
1819	31.3	-.700	30.035	24.152
1819	33.1	-.780	30.156	24.252
1819	34.9	-.780	30.156	24.252
1819	36.2	-.780	30.197	24.285



STATION NO. 6116 1 158 MONTH 8 DAY 21



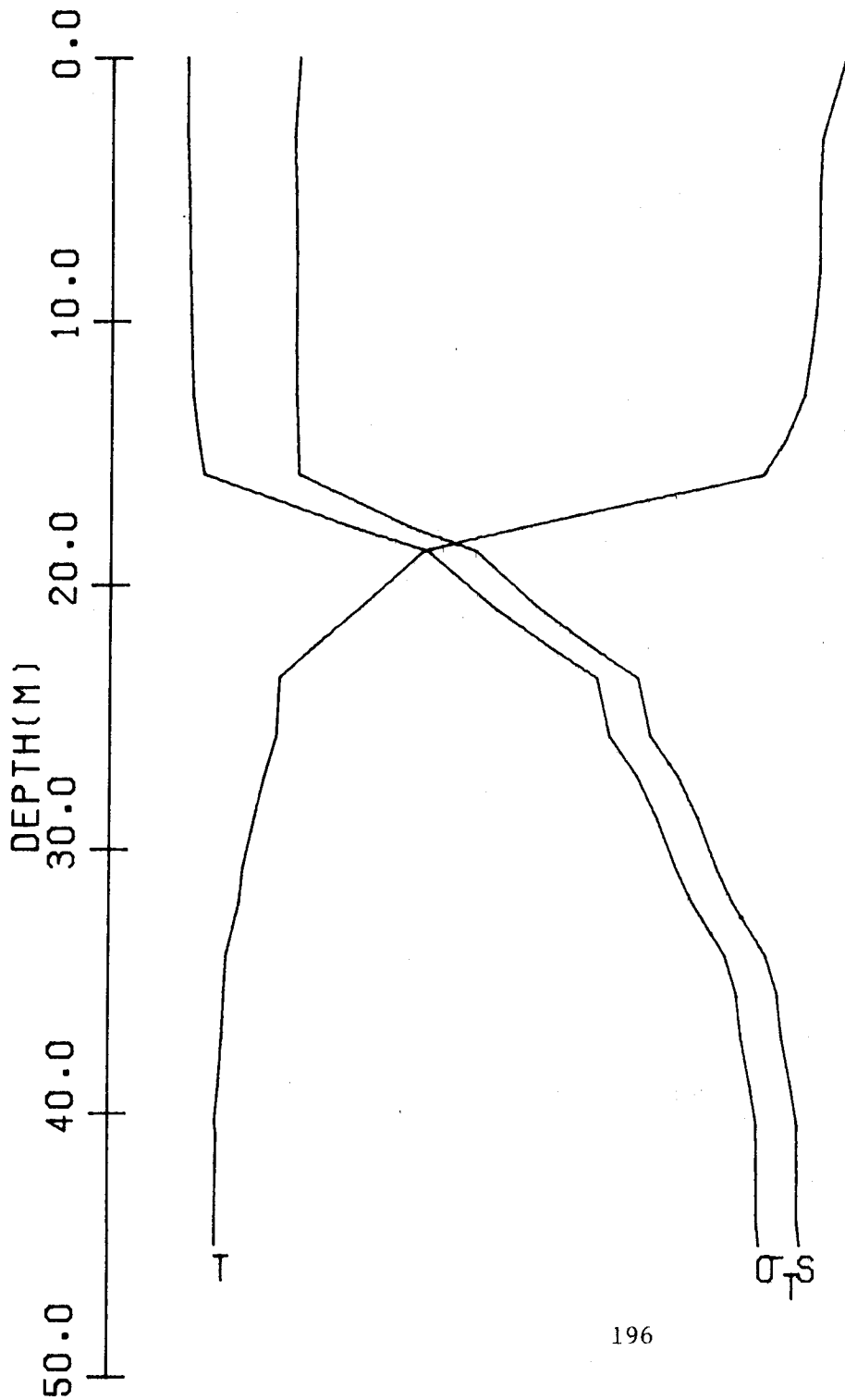
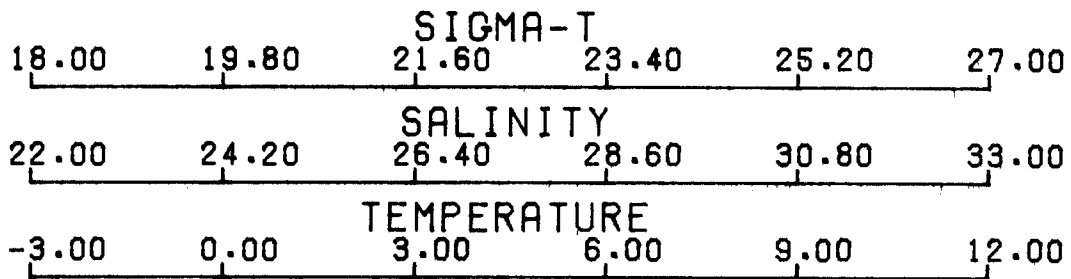
AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6116 VISIT NUM 1 CONSECUTIVE NUM 158  
 LATITUDE 54 DEGREES 15.20 MINUTES  
 LONGITUDE 80 DEGREES 27.00 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 210 DEG  
 TEMP DPY 12.8 C TEMP WET 11.7 C  
 PRESSURE 997.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC N

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
19 8	0.0	9.000	24.056	18.607
19 9	1.9	8.750	24.013	18.607
19 9	2.5	8.750	24.021	18.613
1910	4.3	8.740	24.032	18.623
1910	5.7	8.750	24.034	18.623
1910	7.1	8.770	24.049	18.632
1910	8.7	8.740	24.047	18.634
1910	10.7	8.730	24.047	18.636
1910	12.0	8.710	24.048	18.639
1910	13.0	8.550	24.134	18.727
1910	15.3	4.430	24.393	19.369
1910	17.0	4.010	24.621	19.582
1910	19.4	3.190	25.086	20.009
1910	20.2	2.630	25.335	20.242
1910	22.7	1.790	25.975	20.799
1910	23.8	1.660	26.017	20.839
1910	25.1	1.460	26.169	20.969
1910	27.7	1.040	26.738	21.443
1911	28.9	.480	27.388	21.986
1911	30.7	-.280	29.283	23.534
1911	32.5	-.410	29.365	23.604
1911	33.4	-.520	29.543	23.751
1911	35.5	-1.090	30.438	24.487
1911	36.7	-1.160	30.610	24.628
1911	38.2	-1.170	30.690	24.693

S

STATION NO. 6117 1 159 MONTH 8 DAY 21



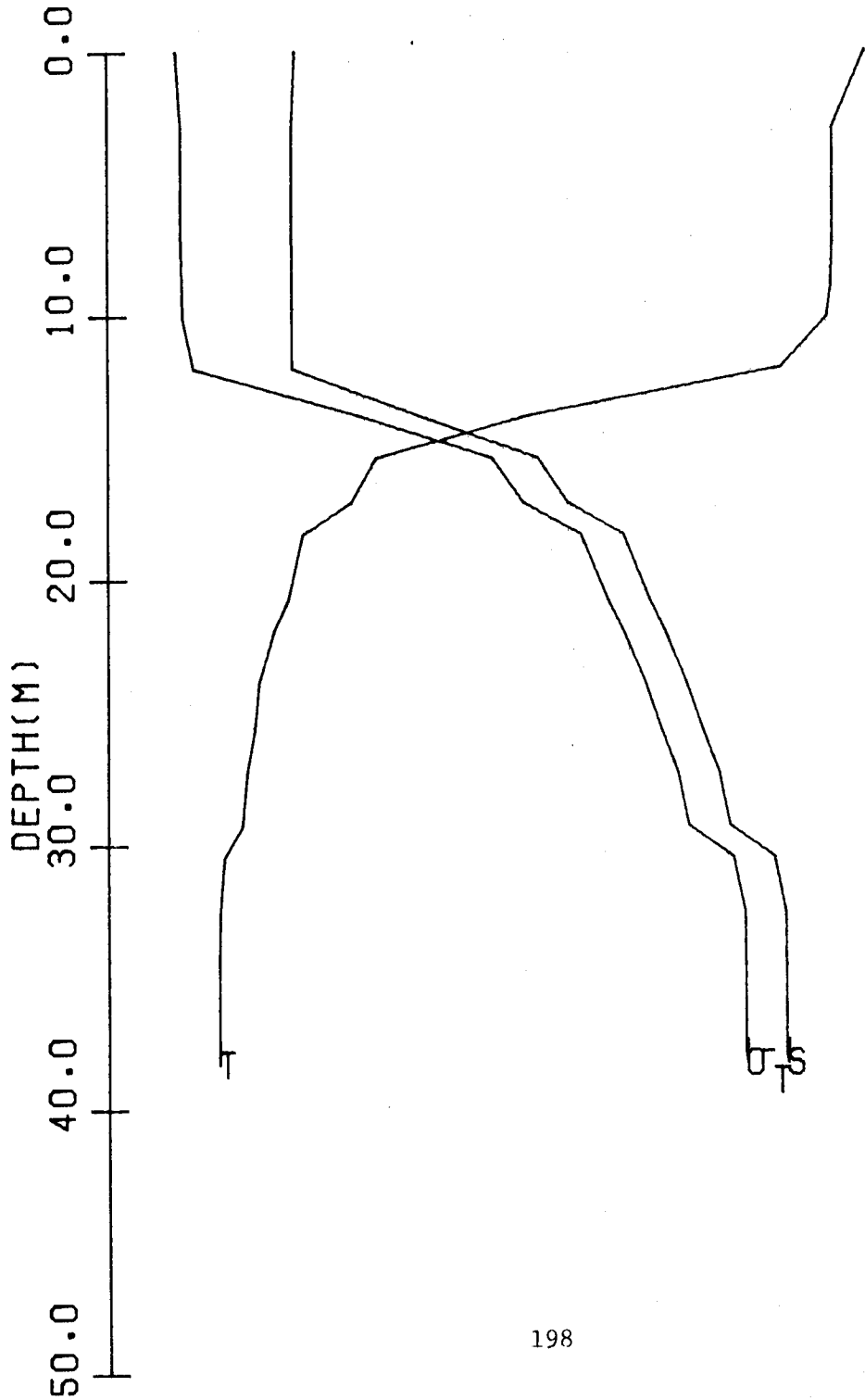
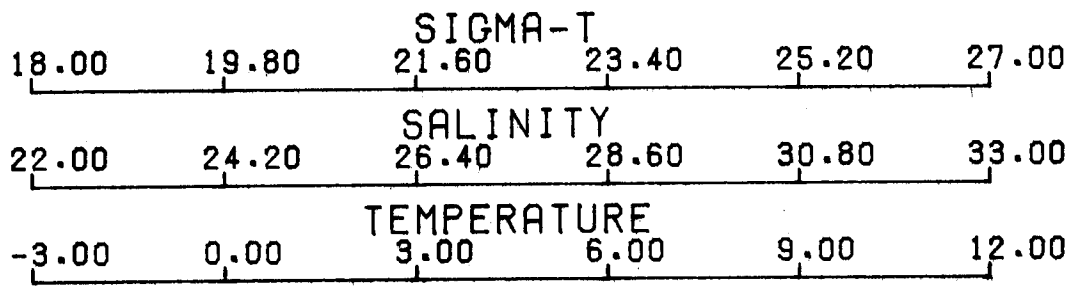
AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6117 VISIT NUM 1 CONSECUTIVE NUM 159  
 LATITUDE 54 DEGREES 15.00 MINUTES  
 LONGITUDE 80 DEGREES 40.50 MINUTES  
 SOUNDING 51.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 195 DEG  
 TEMP OFY 13.6 C TEMP WET 11.4 C  
 PRESSURE 987.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
20 2	0.0	9.400	24.315	18.753
20 6	3.0	9.010	24.253	18.758
20 6	4.5	8.970	24.269	18.776
20 6	6.2	8.970	24.279	18.784
20 6	8.0	8.970	24.288	18.791
20 6	9.7	8.910	24.288	18.799
20 6	11.0	8.840	24.288	18.809
20 6	12.8	8.720	24.289	18.826
20 6	14.5	8.400	24.311	18.885
20 7	15.8	8.030	24.326	18.943
20 7	17.8	8.040	25.718	20.455
20 7	18.7	2.270	26.529	21.214
20 7	20.8	1.240	27.291	21.877
20 7	22.3	.450	27.966	22.451
20 7	23.5	-.140	28.551	22.941
20 7	25.7	-.190	28.709	23.069
20 7	27.2	-.390	29.052	23.351
20 7	28.8	-.560	29.300	23.556
20 7	30.7	-.750	29.540	23.751
20 7	32.0	-.810	29.743	23.920
20 7	34.0	-1.020	30.151	24.254
20 7	35.4	-1.060	30.292	24.369
20 7	37.0	-1.090	30.350	24.416
20 7	38.9	-1.140	30.472	24.516
20 8	40.3	-1.200	30.547	24.578
20 8	40.8	-1.170	30.553	24.582
20 8	41.9	-1.180	30.559	24.587
20 8	44.1	-1.190	30.563	24.591
20 8	45.0	-1.190	30.591	24.613

S

STATION NO. 6118 1 160 MONTH 8 DAY 21

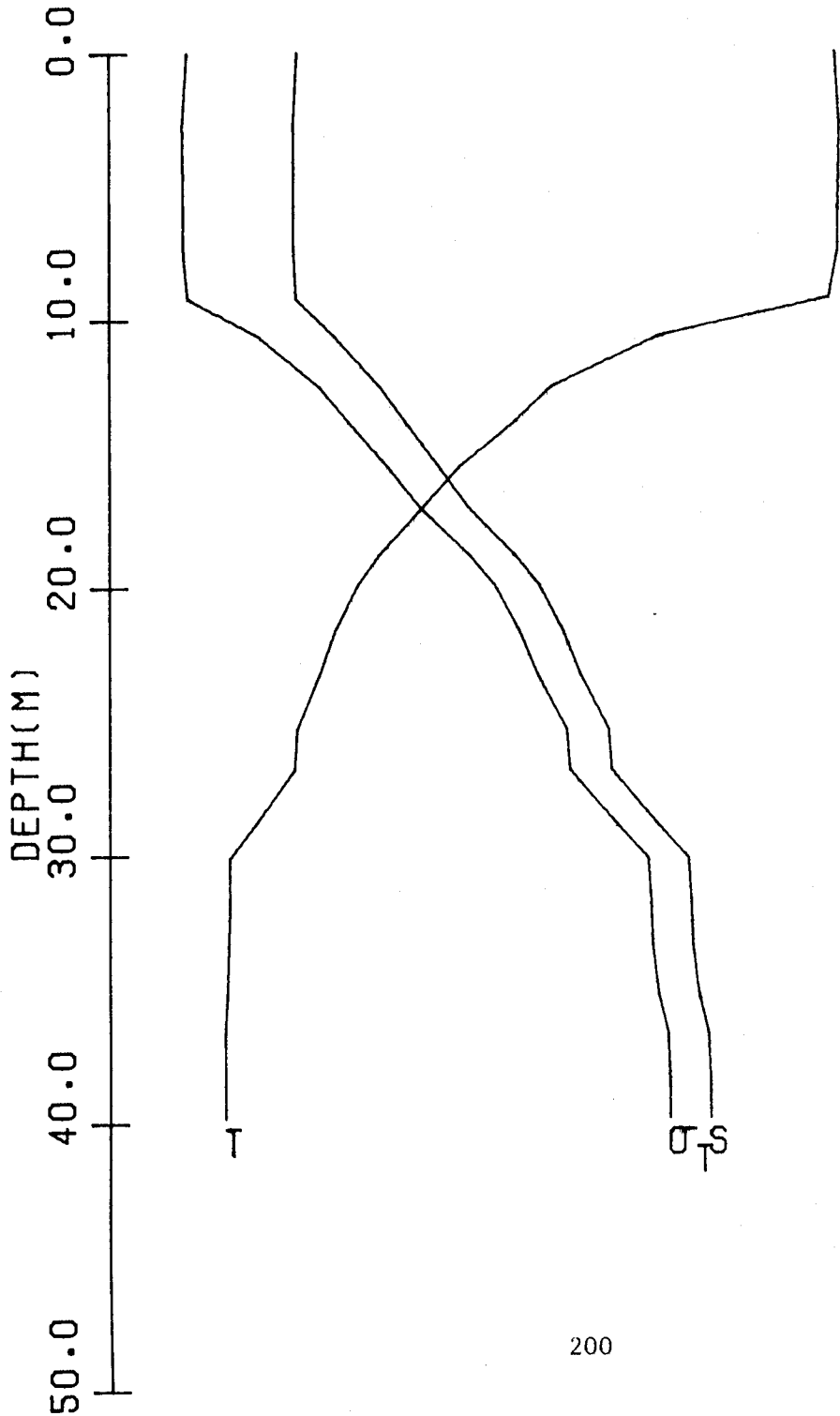
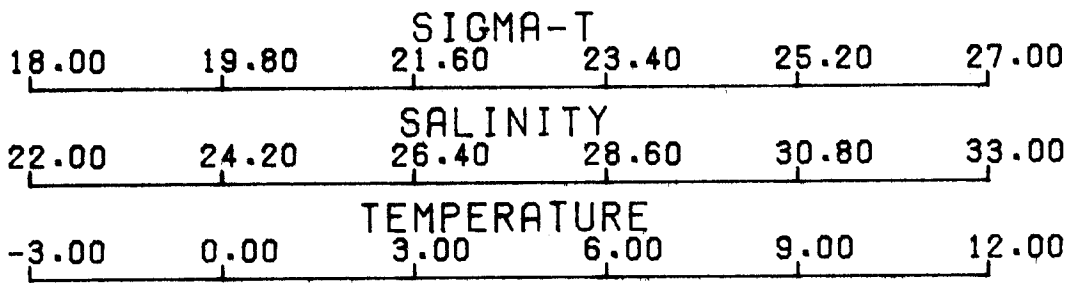


AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6118 VISIT NUM 1 CONSECUTIVE NUM 160  
 LATITUDE 54 DEGREES 15.30 MINUTES  
 LONGITUDE 80 DEGREES 34.10 MINUTES  
 SOUNDING 41.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 205 DEG  
 TEMP DRY 13.5 C TEMP WET 12.1 C  
 PRESSURE 997.6 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	
21 0	0.0	9.800	24.310	18.692	S
21 5	2.0	9.250	24.272	18.740	
21 5	4.1	9.250	24.272	18.740	
21 5	5.8	9.250	24.272	18.740	
21 5	7.1	9.250	24.272	18.740	
21 5	8.9	9.220	24.279	18.750	
21 5	10.1	9.150	24.279	18.759	
21 5	12.0	8.370	24.279	18.864	
21 5	13.8	4.090	25.848	20.546	
21 5	15.4	1.510	27.323	21.889	
21 5	17.1	1.090	27.632	22.204	
21 5	18.3	.270	28.381	22.790	
21 5	20.8	.020	28.709	23.063	
21 5	21.0	-.210	28.884	23.211	
21 5	23.0	-.470	29.160	23.441	
21 5	25.5	-.540	29.353	23.598	
21 5	27.3	-.670	29.564	23.772	
21 5	29.3	-.750	29.698	23.882	
21 5	30.5	-1.060	30.252	24.336	
21 5	32.5	-1.130	30.393	24.452	
21 5	34.2	-1.140	30.395	24.454	
21 5	36.1	-1.140	30.400	24.458	
21 5	37.9	-1.140	30.400	24.458	
21 5	38.4	-1.140	30.423	24.476	
21 5	37.4	-1.140	30.430	24.482	

STATION NO. 6130 1 161 MONTH 8 DAY 21



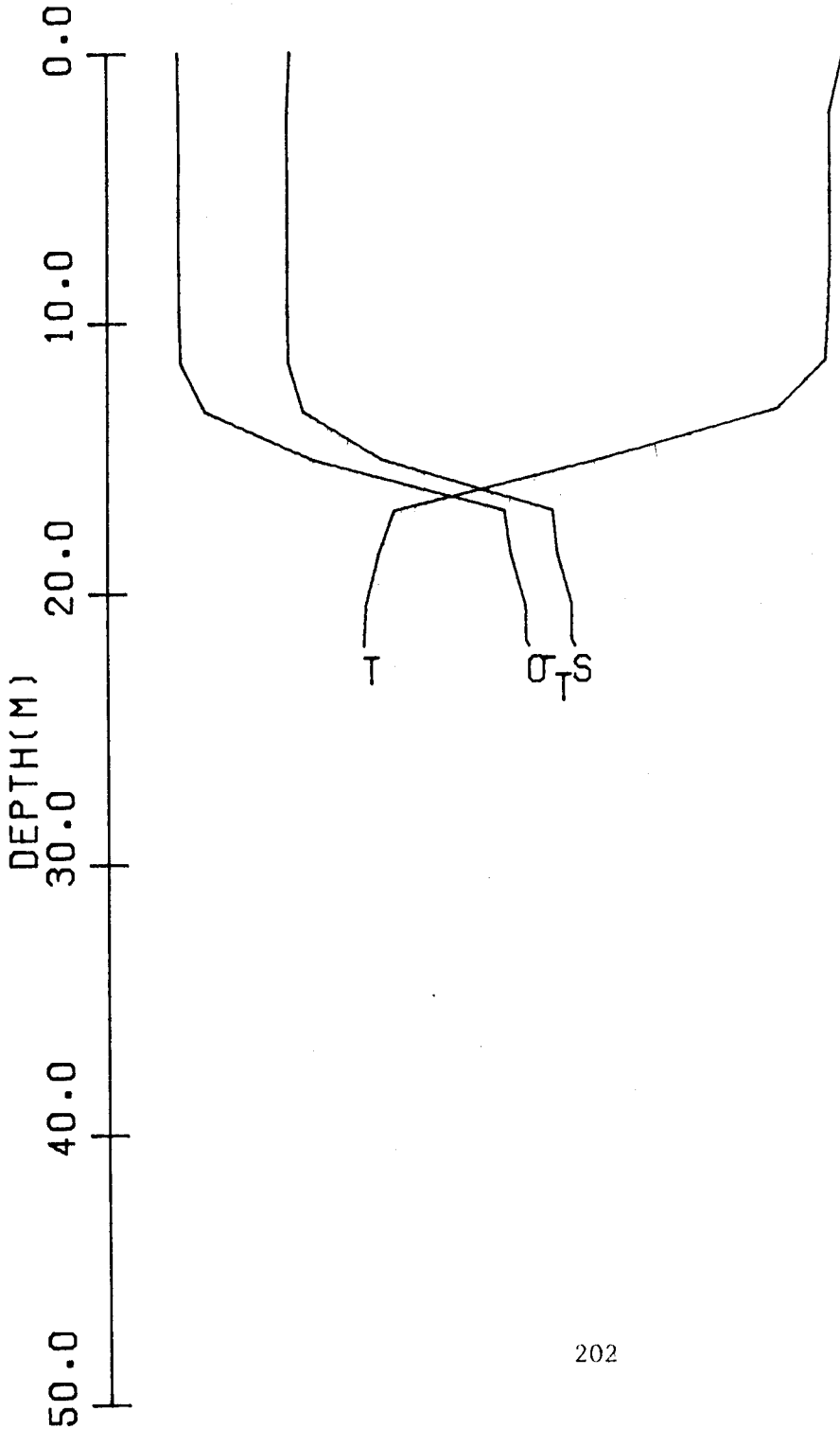
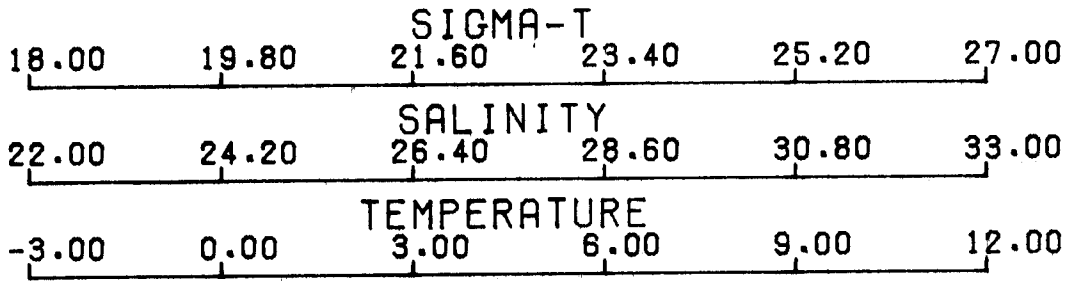
AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6130 VISIT NUM 1 CONSECUTIVE NUM 161  
 LATITUDE 54 DEGREES 7.20 MINUTES  
 LONGITUDE 81 DEGREES 13.00 MINUTES  
 SOUNDING 40.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 212 DEG  
 TEMP DRY 13.5 C TEMP WET 12.1 C  
 PRESSURE 997.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
2221	0.0	9.100	24.289	18.774	S
2226	2.7	9.170	24.242	18.728	
2226	4.3	9.160	24.247	18.733	
2226	5.8	9.140	24.248	18.737	
2226	7.4	9.140	24.248	18.737	
2226	9.2	8.990	24.275	18.778	
2226	10.8	8.150	24.739	19.482	
2226	12.5	4.340	25.300	20.093	
2226	13.8	3.740	25.605	20.381	
2226	15.5	2.810	25.922	20.777	
2226	17.0	2.200	26.382	21.101	
2226	18.8	1.470	26.958	21.599	
2226	19.9	1.120	27.249	21.848	
2227	21.6	.750	27.533	22.092	
2227	23.3	.480	27.761	22.285	
2227	25.3	.110	28.096	22.567	
2227	26.8	.070	28.132	22.597	
2227	28.8	-.570	28.686	23.061	
2227	30.1	-1.010	29.070	23.381	
2227	31.8	-1.010	29.106	23.410	
2227	33.4	-1.030	29.124	23.425	
2227	35.2	-1.050	29.199	23.486	
2227	36.6	-1.090	29.310	23.576	
2227	38.5	-1.090	29.338	23.599	
2227	39.8	-1.090	29.338	23.599	



STATION NO. 6129 1 162 MONTH 8 DAY 21



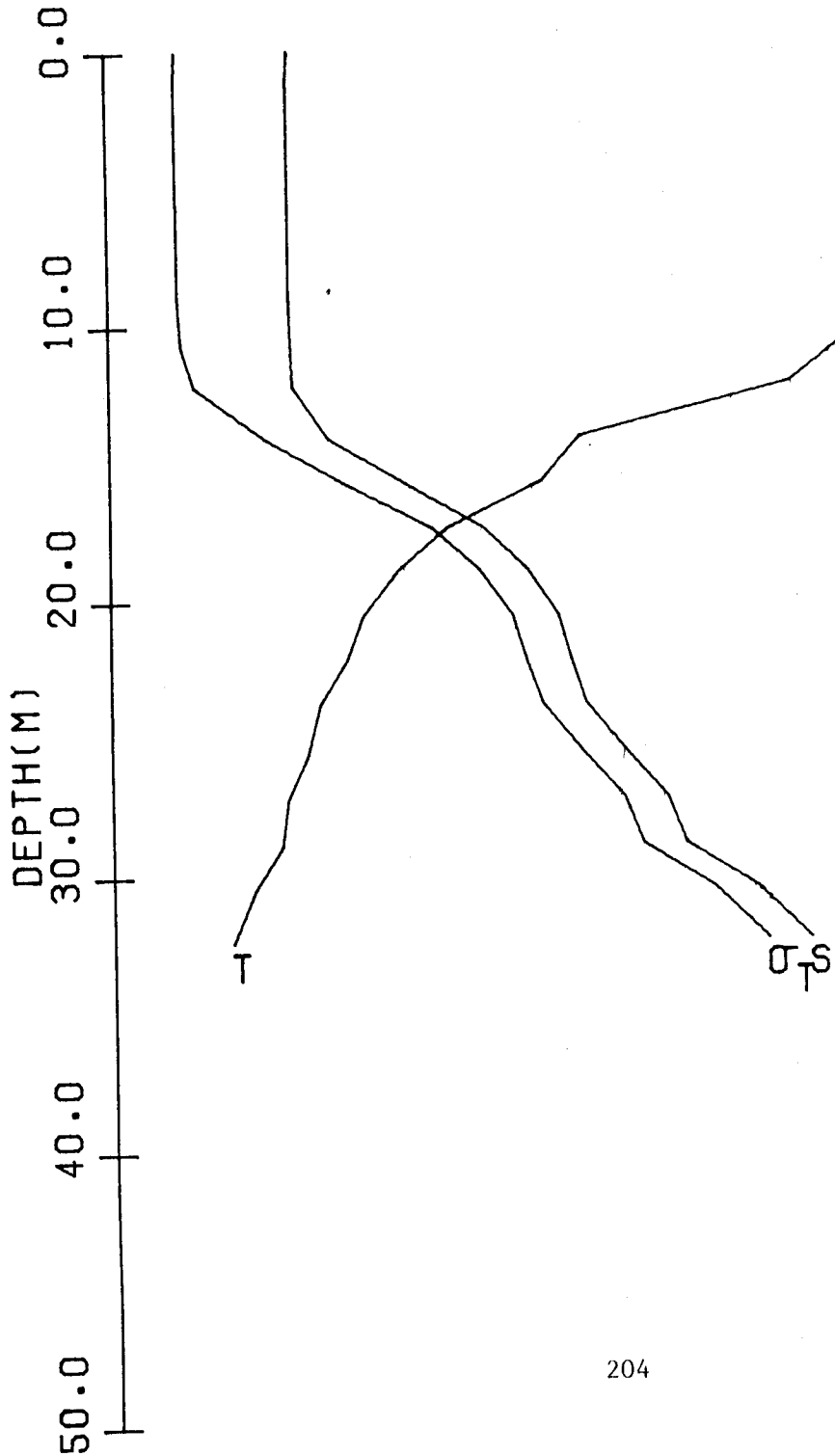
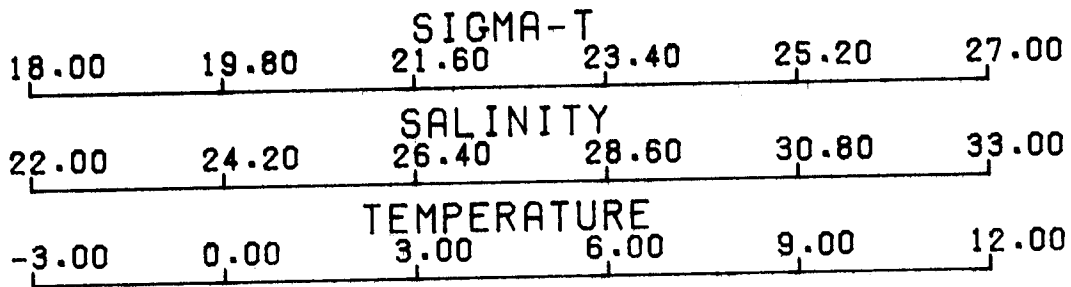
AREA SQUARE NUM 52080  
 DATE 8 MONTH 21 DAY  
 STATION NUM 6129 VISIT NUM 1 CONSECUTIVE NUM 162  
 LATITUDE 54 DEGREES 7.10 MINUTES  
 LONGITUDE 80 DEGREES 53.20 MINUTES  
 SOUNDING 22.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDOLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 260 DEG  
 TEMP DRY 14.2 C TEMP WET 11.4 C  
 PRESSURE 1000.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2323	0.0	3.200	24.212	18.700
2336	2.3	8.960	24.178	18.707
2336	3.8	8.960	24.178	18.707
2336	5.9	8.960	24.178	18.707
2336	7.7	8.960	24.178	18.707
2336	9.6	8.930	24.178	18.711
2337	11.5	8.880	24.188	18.729
2337	13.3	8.070	24.364	18.968
2337	15.1	5.180	25.319	20.034
2337	17.0	1.710	27.387	21.930
2337	18.5	1.460	27.445	21.989
2337	20.5	1.250	27.615	22.135
2337	21.8	1.220	27.615	22.137
2337	22.0	1.220	27.657	22.170

S

STATION NO. 6128 1 163 MONTH 8 DAY 22

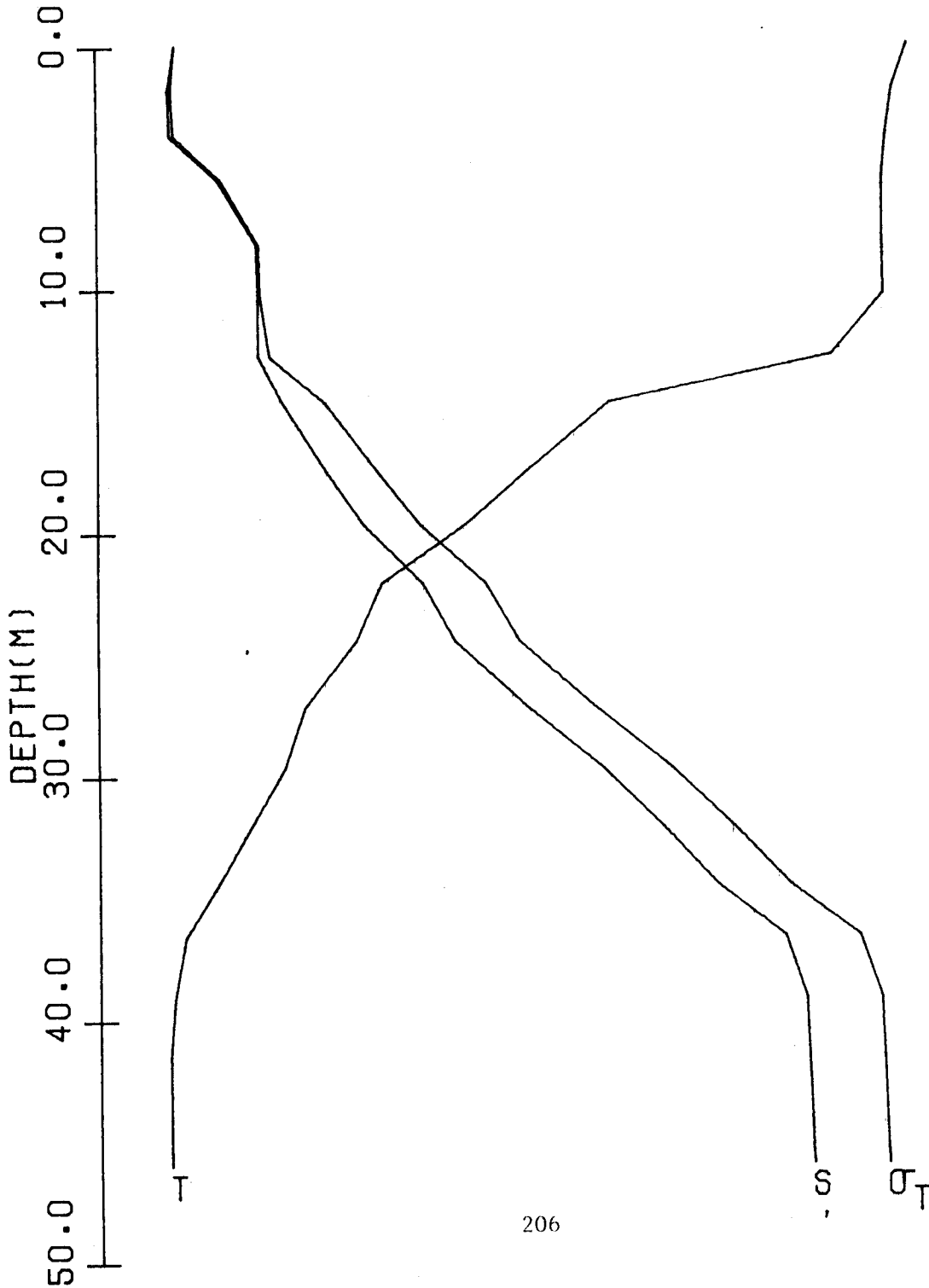
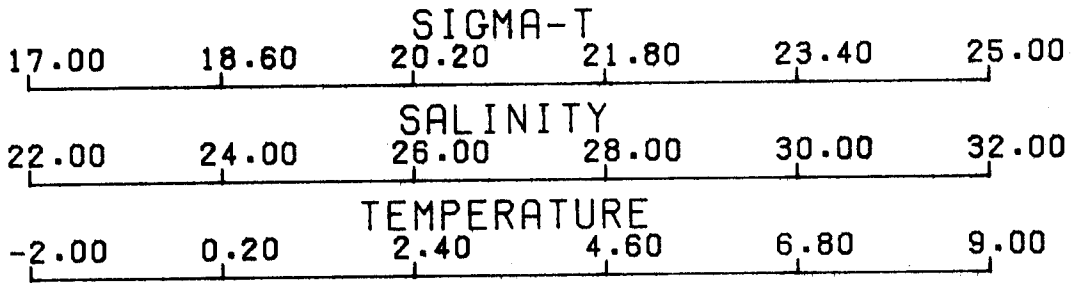


AREA SQUARE NUM 52080  
 DATE 8 MONTH 22 DAY  
 STATION NUM 5128 VISIT NUM 1 CONSECUTIVE NUM 163  
 LATITUDE 54 DEGREES 7.00 MINUTES  
 LONGITUDE 80 DEGREES 36.00 MINUTES  
 SOUNDING 39.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNIS WIND DIR 290 DEG  
 TEMP DPY 12.8 C TEMP WET 11.0 C  
 PRESSURE 1001.7 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
0430	0.0	9.100	24.166	18.678	S
0422	1.1	9.030	24.143	18.670	
0422	2.2	9.040	24.147	18.672	
0422	3.3	9.040	24.147	18.672	
0422	5.4	9.030	24.148	18.674	
0422	7.1	9.020	24.148	18.675	
0422	9.0	9.010	24.148	18.677	
0422	10.7	8.910	24.165	18.704	
0422	12.2	8.850	24.181	18.828	
0422	14.1	4.610	24.598	19.516	
0422	15.7	3.990	25.484	20.266	
0422	17.4	2.440	26.440	21.133	
0422	18.9	1.650	26.949	21.583	
0422	20.5	1.070	27.318	21.906	
0422	22.2	.800	27.461	22.032	
0433	23.8	.360	27.534	22.187	
0433	25.6	.160	28.118	22.583	
0433	27.2	-.170	28.591	22.974	
0433	28.9	-.270	28.311	23.154	
0433	30.5	-.730	29.650	23.843	
0433	32.4	-1.090	30.294	24.371	

STATION NO. 6127 1 164 MONTH 8 DAY 22

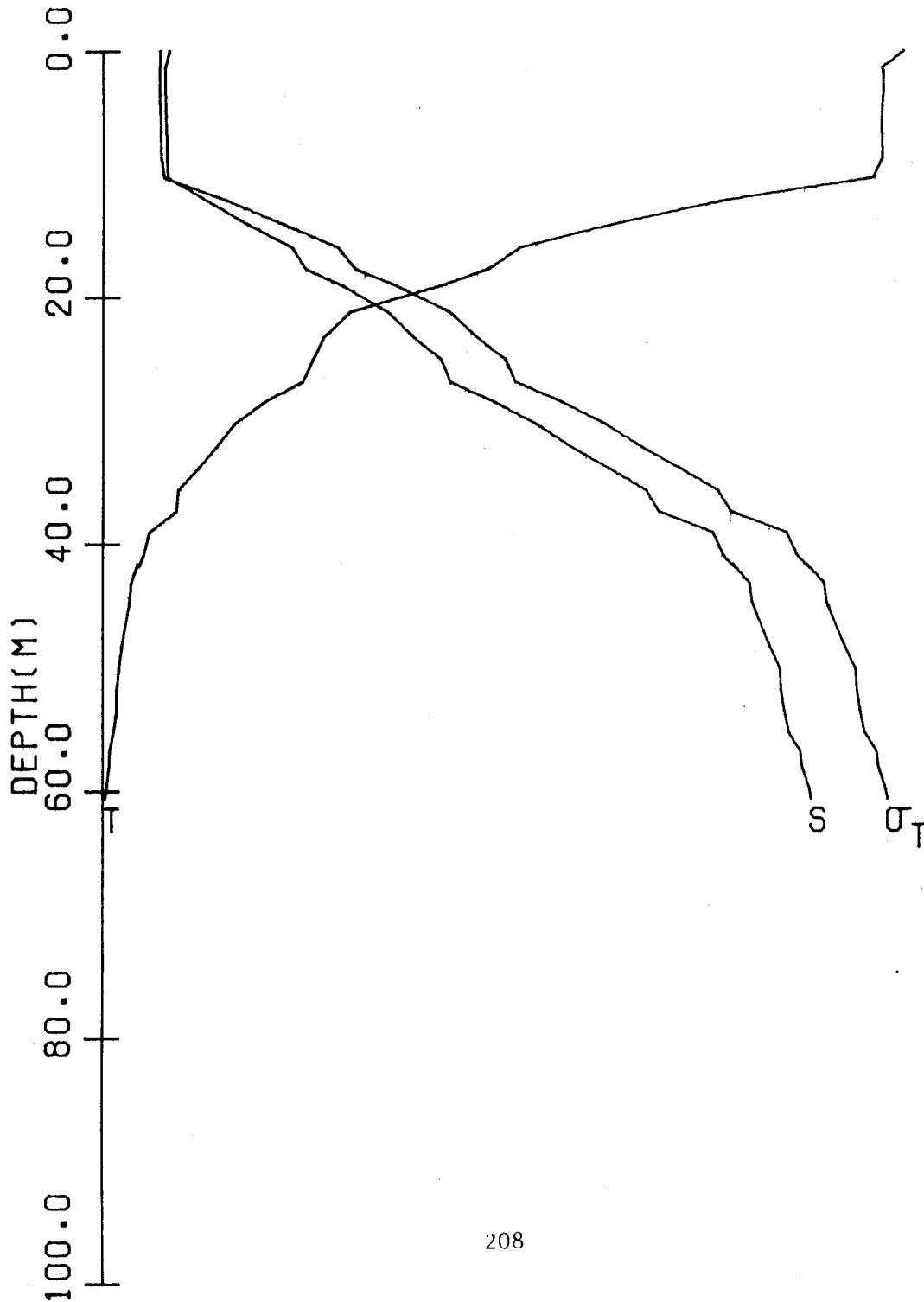
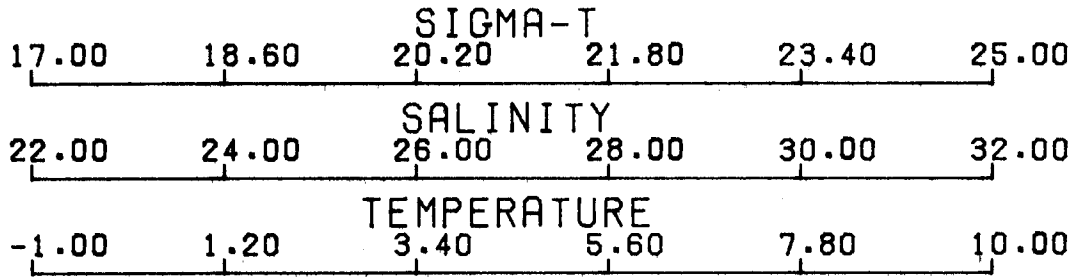


AREA SQUARE NUM 52080  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6127 VISIT NUM 1 CONSECUTIVE NUM 164  
 LATITUDE 54 DEGREES 6.11 MINUTES  
 LONGITUDE 80 DEGREES 22.43 MINUTES  
 SOUNDING 49.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 270 DEG  
 TEMP DRY 13.0 C TEMP WET 11.5 C  
 PRESSURE 1002.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
126	0.0	8.900	22.962	17.769	S
129	1.8	8.690	22.375	17.729	
129	3.7	8.600	22.889	17.751	
129	5.5	8.550	23.473	18.212	
129	8.2	8.550	23.947	18.582	
129	10.3	8.560	23.963	18.593	
129	12.8	7.860	23.966	18.683	
129	14.7	4.870	24.261	19.228	
129	17.5	3.760	24.795	19.730	
130	19.7	2.930	25.238	20.147	
130	22.1	1.800	25.955	20.782	
130	24.5	1.450	26.349	21.114	
130	27.2	.760	27.236	21.853	
130	29.7	.480	28.155	22.601	
130	32.1	.020	28.885	23.204	
130	34.5	-.430	29.554	23.757	
130	36.6	-.860	30.378	24.433	
130	39.1	-1.010	30.629	24.640	
130	41.5	-1.070	30.659	24.665	
130	44.1	-1.060	30.692	24.692	
130	45.4	-1.060	30.706	24.703	
130	46.0	-1.060	30.719	24.714	

STATION NO. 6126 1 165 MONTH 8 DAY 22



AREA SQUARE NUM 52080  
 DATE 9 MONTH 22 DAY  
 STATION NUM 5126 VISIT NUM 1 CONSECUTIVE NUM 165  
 LATITUDE 54 DEGREES 7.20 MINUTES  
 LONGITUDE 80 DEGREES 10.00 MINUTES  
 SOUNDING 67.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

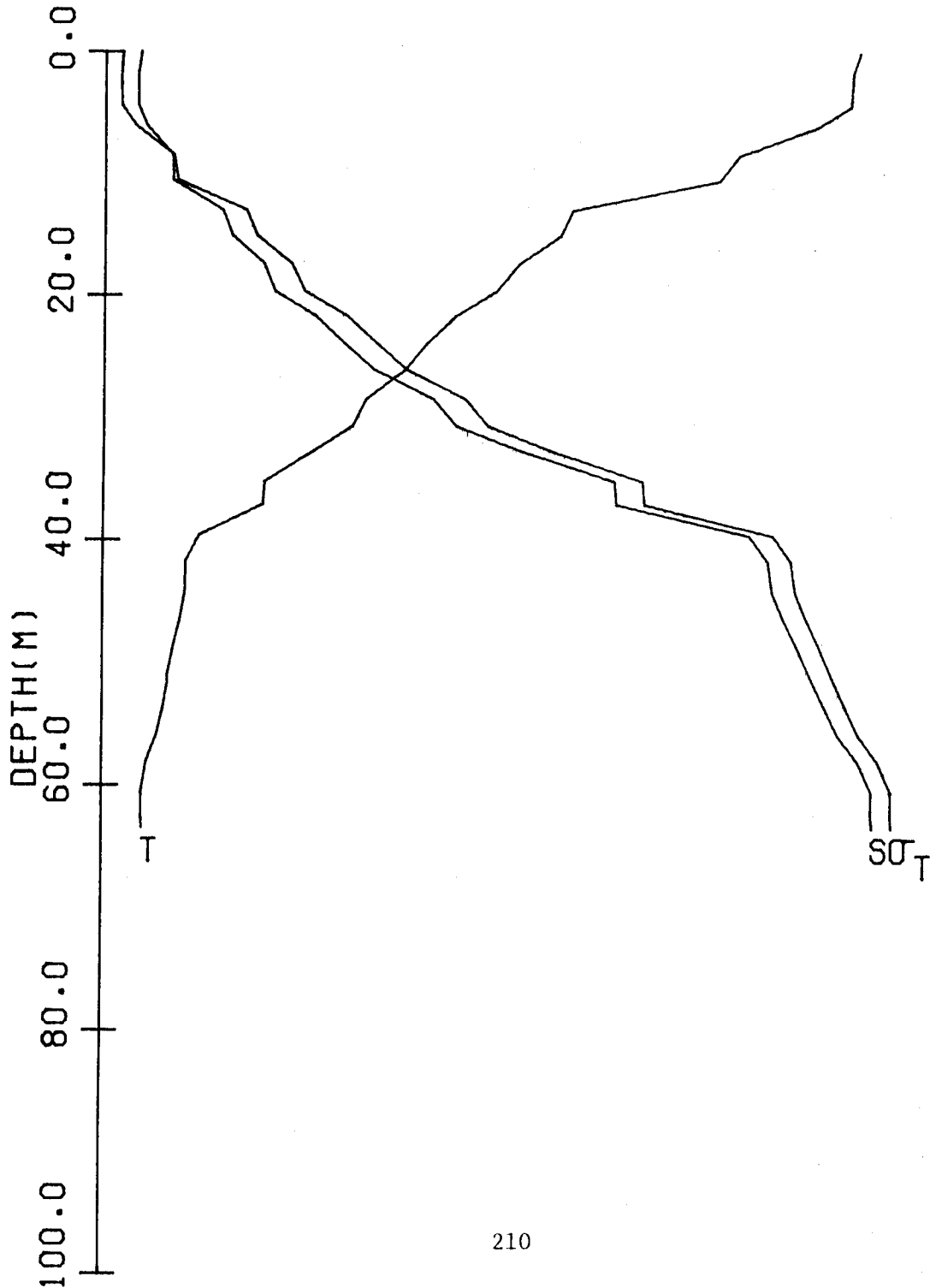
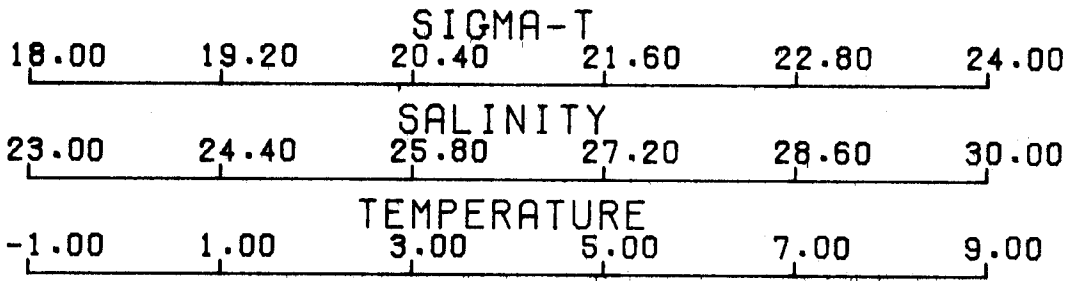
PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 325 DEG  
 TEMP DPY 12.0 C TEMP WET 11.3 C  
 PRESSURE 1003.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
218	0.0	9.600	22.804	17.551
220	1.4	9.310	22.747	17.547
220	1.7	9.330	22.752	17.548
220	3.3	9.330	22.752	17.548
220	5.0	9.310	22.755	17.553
220	6.5	9.310	22.763	17.559
221	8.7	9.320	22.766	17.560
221	10.3	9.200	22.780	17.587
221	12.2	7.200	23.251	18.202
221	14.1	5.760	23.741	18.737
221	15.0	4.520	24.278	19.270
221	17.8	3.090	24.450	19.441
221	19.1	3.480	24.887	19.831
221	21.5	2.280	25.434	20.341
221	23.3	1.920	25.751	20.613
221	25.1	1.780	25.332	20.885
221	26.9	1.640	26.189	20.977
221	28.5	1.150	26.710	21.416
221	30.3	.740	27.226	21.846
221	32.2	.500	27.655	22.199
221	33.0	.260	28.106	22.570
222	35.7	-.010	28.549	22.935
222	37.4	-.030	28.706	23.062
222	39.1	-.390	29.357	23.597
222	41.0	-.470	29.490	23.706
222	41.8	-.520	29.535	23.793
222	41.7	-.540	29.500	23.797
222	43.2	-.630	29.802	23.962
222	44.8	-.650	29.835	23.990
223	48.3	-.750	30.046	24.162
223	50.1	-.790	30.171	24.264
223	51.0	-.820	30.186	24.277
223	53.6	-.820	30.227	24.310
223	55.3	-.860	30.281	24.355
224	56.8	-.910	30.417	24.466
224	58.1	-.920	30.441	24.486
224	59.8	-.950	30.528	24.557
224	60.6	-.970	30.548	24.573

S



STATION NO. 6125 1 166 MONTH 8 DAY 22

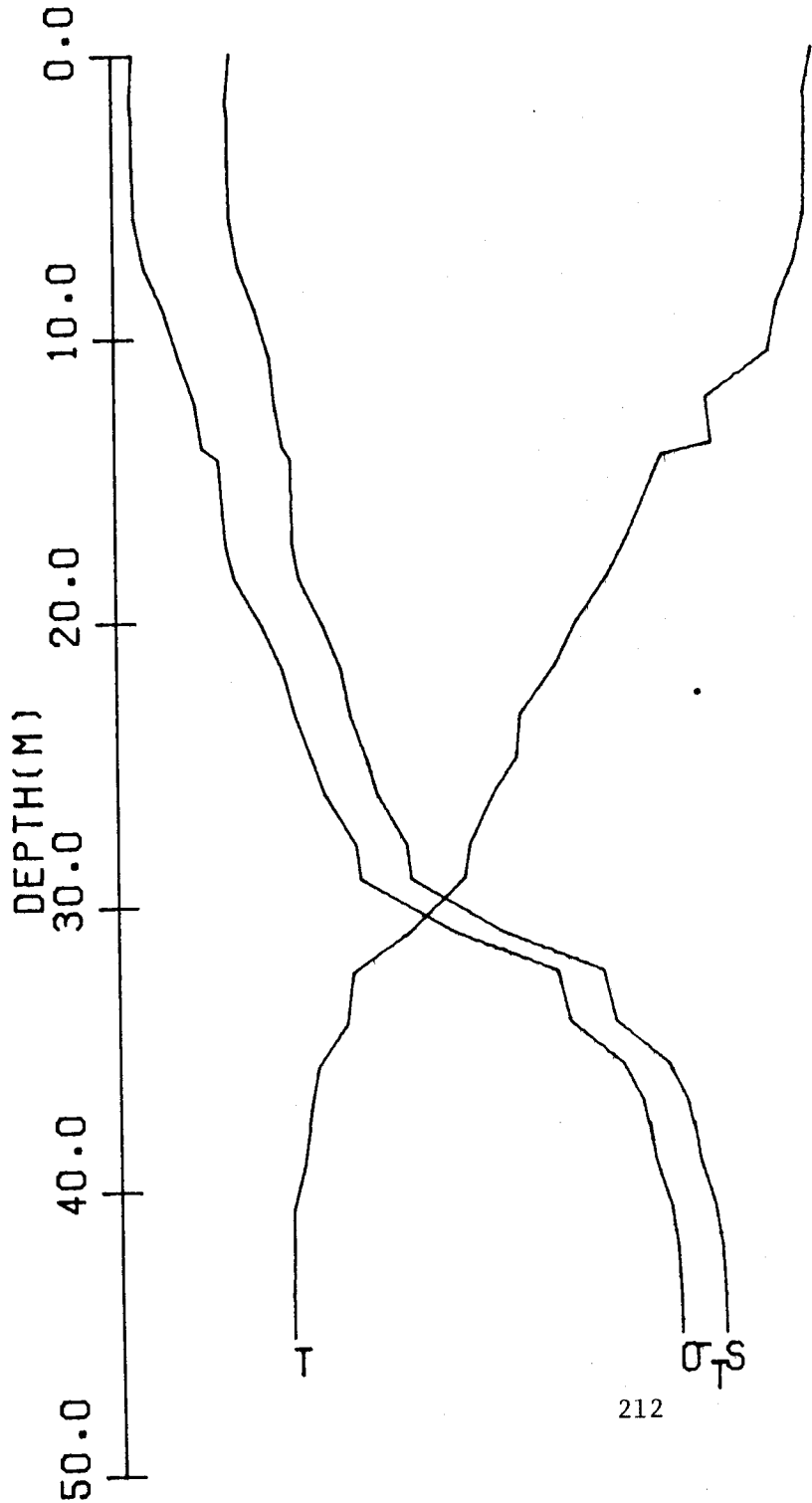
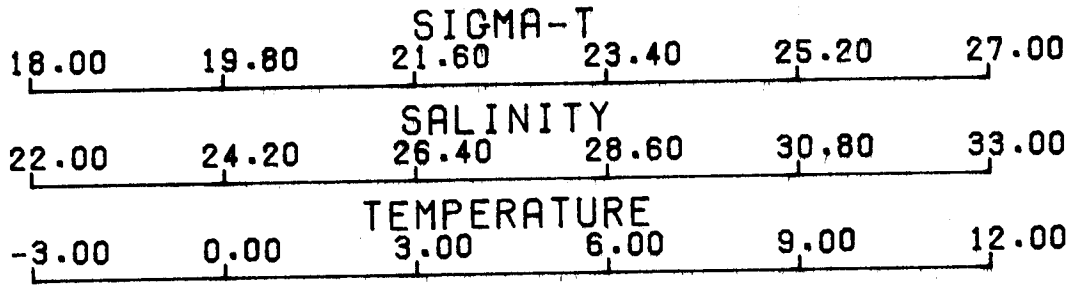


AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6125 VISIT NUM 1 CONSECUTIVE NUM 166  
 LATITUDE 54 DEGREES 7.25 MINUTES  
 LONGITUDE 79 DEGREES 56.00 MINUTES  
 SOUNDING 69.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 320 DEG  
 TEMP DRY 10.6 C TEMP WET 10.3 C  
 PRESSURE 1003.7 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT	
312	0.0	8.200	23.304	18.125	S
314	1.6	8.120	23.279	18.115	
314	2.3	8.110	23.279	18.117	
314	4.4	8.090	23.280	18.120	
314	6.1	7.680	23.354	18.227	
314	8.5	6.730	23.573	18.506	
314	10.6	6.490	23.578	18.535	
314	13.0	4.700	24.003	19.038	
314	15.1	4.550	24.088	19.118	
314	17.4	4.050	24.358	19.371	
314	19.7	3.770	24.456	19.469	
314	21.7	3.280	24.803	19.779	
314	24.0	2.920	25.056	20.003	
314	26.1	2.660	25.309	20.220	
314	28.5	2.190	25.914	20.640	
315	30.7	2.030	26.009	20.813	
315	32.7	1.560	26.557	21.275	
315	35.2	.960	27.358	21.951	
315	37.1	.940	27.385	21.965	
315	39.6	.170	28.518	22.904	
315	41.7	.010	28.680	23.040	
315	44.2	0.000	29.716	23.669	
315	46.4	.060	28.813	23.149	
315	48.7	.140	28.930	23.246	
315	50.9	.210	29.033	23.331	
316	51.5	.210	29.064	23.356	
316	53.6	.260	29.167	23.440	
316	55.9	.340	29.285	23.538	
316	58.1	.460	29.457	23.680	
316	60.5	.520	29.570	23.772	
316	62.7	.520	29.571	23.773	
317	63.5	.510	29.579	23.779	

STATION NO. 6124 1 167 MONTH 8 DAY 22

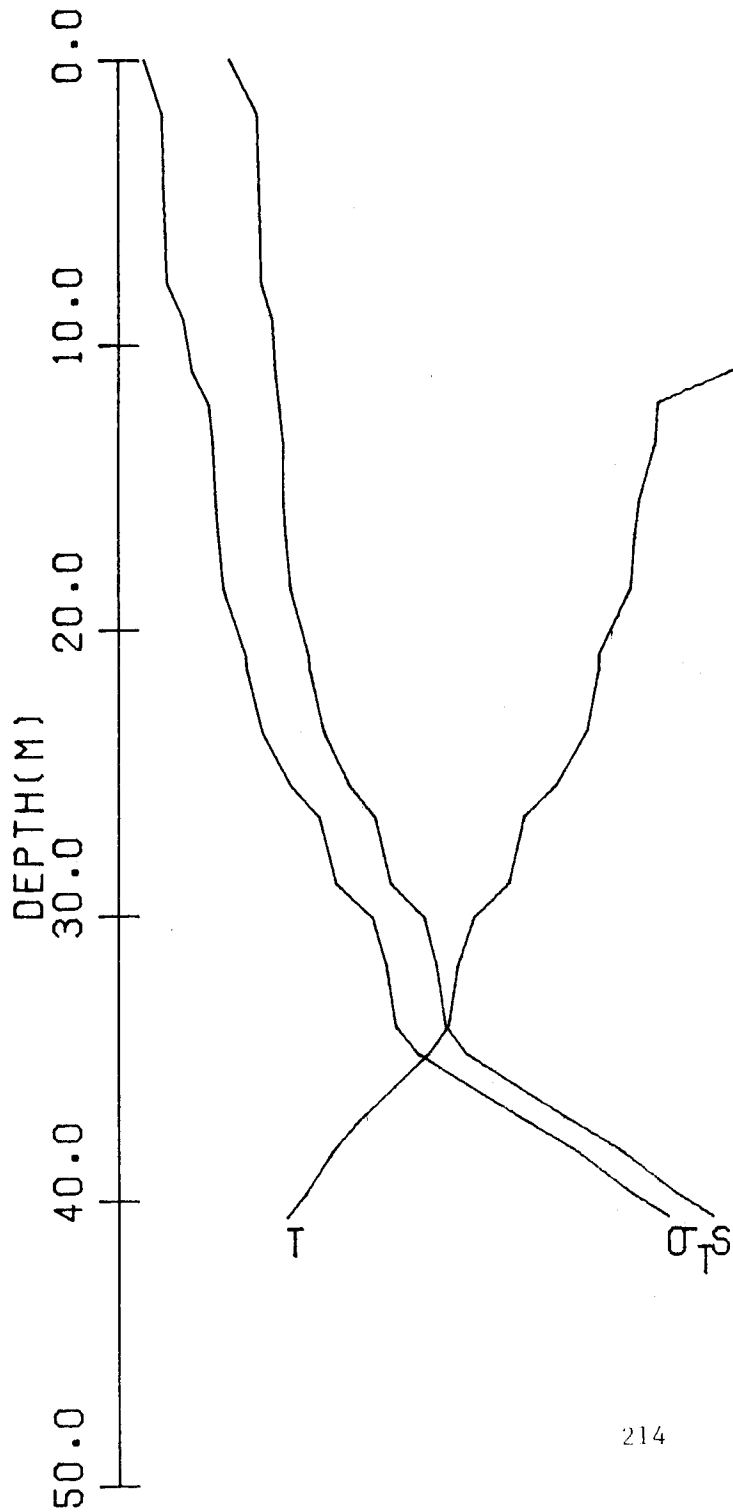
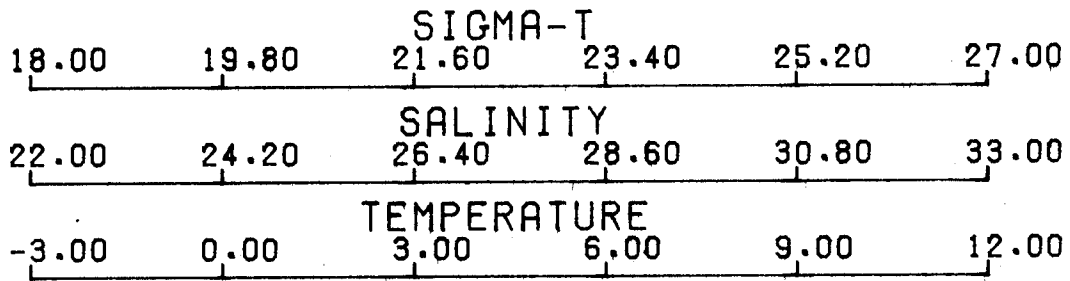


AREA SQUARE NUM 52076  
 DATE 9 MONTH 22 DAY  
 STATION NUM 6124 VISIT NUM 1 CONSECUTIVE NUM 167  
 LATITUDE 54 DEGREES 7.20 MINUTES  
 LONGITUDE 79 DEGREES 46.83 MINUTES  
 SOUNDING 55.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 10 DEG  
 TEMP DRY 9.8 C TEMP WET 3.0 C  
 PRESSURE 1014.5 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
4 0	0.0	3.000	23.351	18.186	S
4 2	1.6	7.860	23.303	18.166	
4 3	1.8	7.870	23.305	18.166	
4 3	2.2	7.870	23.322	18.179	
4 3	3.0	7.860	23.322	18.181	
4 3	5.0	7.840	23.335	18.193	
4 3	7.0	7.680	23.431	18.287	
4 3	9.0	7.400	23.620	18.468	
4 3	10.7	7.260	23.782	18.611	
4 3	12.3	6.270	23.834	18.759	
4 3	13.9	6.350	23.926	18.823	
4 3	14.3	5.960	24.012	18.969	
4 3	17.3	4.980	24.026	19.033	
4 3	18.5	4.700	24.097	19.113	
4 3	20.2	4.180	24.370	19.376	
4 3	21.7	3.850	24.568	19.552	
4 3	23.4	3.300	24.674	19.675	
4 4	24.6	3.240	24.857	19.824	
4 4	26.1	2.880	24.972	19.939	
4 4	27.9	2.900	25.308	20.229	
4 4	29.1	2.410	25.354	20.270	
4 4	31.0	1.930	26.412	21.160	
4 4	32.4	.650	27.363	22.120	
4 4	34.2	.950	27.705	22.237	
4 4	35.7	.090	28.303	22.734	
4 4	37.0	-.020	28.516	22.905	
4 4	37.8	-.070	28.575	22.958	
4 4	37.8	-.060	28.536	22.966	
4 5	39.1	-.140	28.655	23.024	
4 5	40.7	-.320	28.322	23.164	
4 5	42.1	-.320	28.394	23.222	
4 5	43.7	-.340	28.925	23.248	
4 5	45.2	-.330	28.932	23.253	

STATION NO. 6134 1 168 MONTH 8 DAY 22

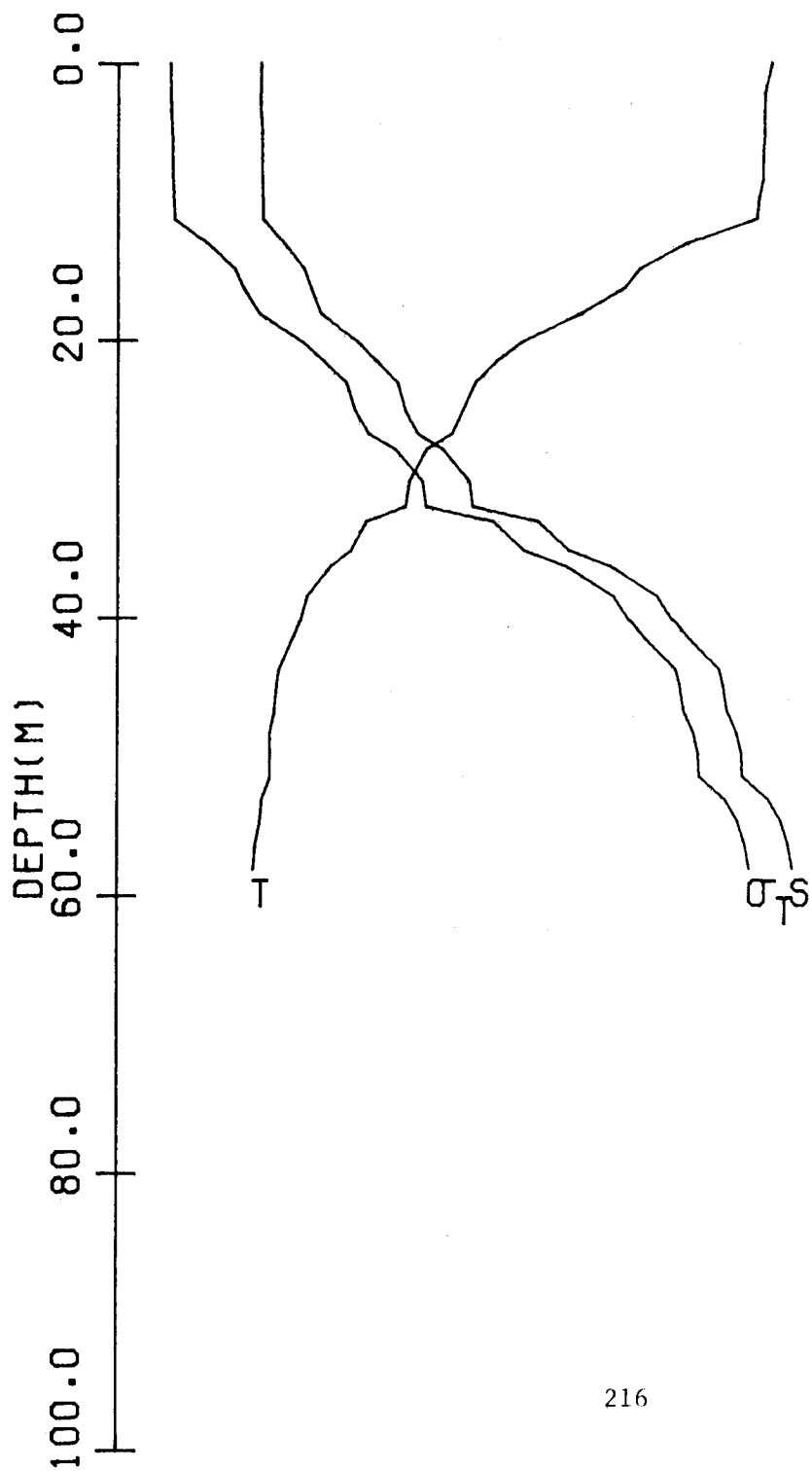
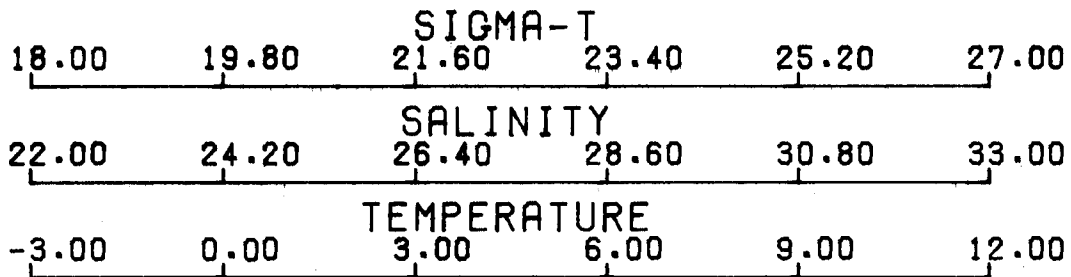


AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 5134 VISIT NUM 1 CONSECUTIVE NUM 168  
 LATITUDE 54 DEGREES 1.20 MINUTES  
 LONGITUDE 79 DEGREES 41.50 MINUTES  
 SOUNDING 41.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 310 DEG  
 TEMP DRIFT 8.5 C TEMP WET 8.3 C  
 PRESSURE 1005.2 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1137	0.0	7.900	23.274	18.242
1139	1.0	7.680	23.587	18.409
1139	3.5	7.660	23.600	18.422
1139	4.5	7.680	23.609	18.426
1139	6.0	7.660	23.622	18.439
1139	7.5	7.610	23.633	18.453
1139	9.1	7.130	23.760	18.608
1140	10.0	6.670	23.795	18.686
1140	12.1	5.430	23.840	18.846
1140	13.5	5.390	23.886	18.886
1140	15.0	5.140	23.888	18.910
1140	16.7	5.070	23.914	18.937
1140	18.6	5.010	23.958	18.984
1140	20.0	4.510	24.174	19.189
1140	21.0	4.510	24.187	19.199
1140	23.6	4.320	24.351	19.344
1140	25.5	3.840	24.547	19.515
1140	26.0	3.330	24.937	19.889
1140	28.0	3.100	25.114	20.037
1140	30.1	2.550	25.497	20.376
1140	31.8	2.290	25.642	20.507
1140	33.3	1.150	25.741	20.593
1141	34.5	1.830	25.989	20.808
1141	37.2	.760	27.165	21.796
1141	38.2	.370	27.716	22.253
1141	39.8	-.090	28.398	22.516
1141	40.8	-.370	28.815	23.160

STATION NO. 6135 1 169 MONTH 8 DAY 22



AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6135 VISIT NUM 1 CONSECUTIVE NUM 169  
 LATITUDE 54 DEGREES 1.92 MINUTES  
 LONGITUDE 79 DEGREES 49.40 MINUTES  
 SOUNDING 59.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS 4V PETREL, GUILDLINE MARK III 40-4+8  
 NUMBER OF PROFILES 1

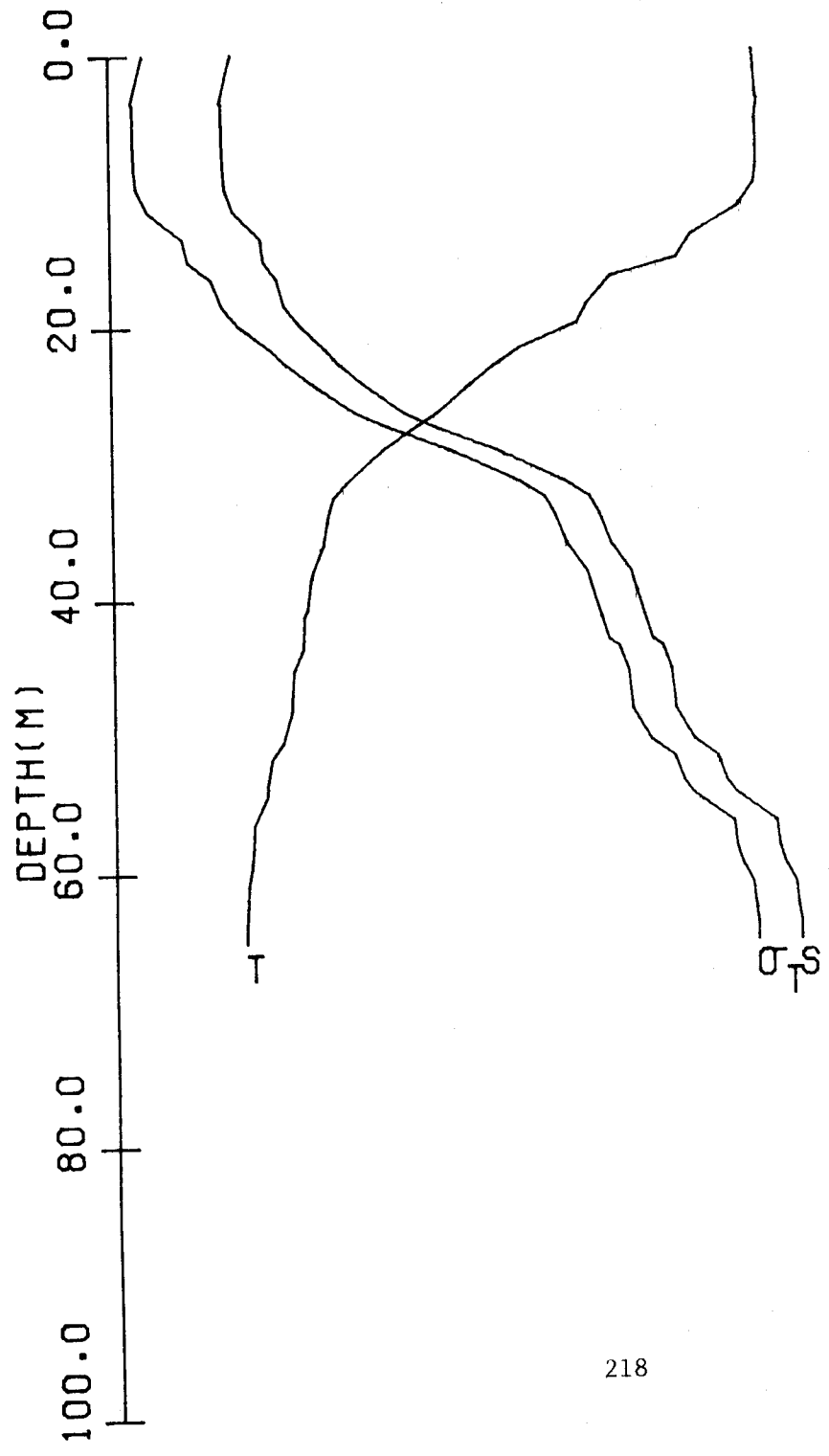
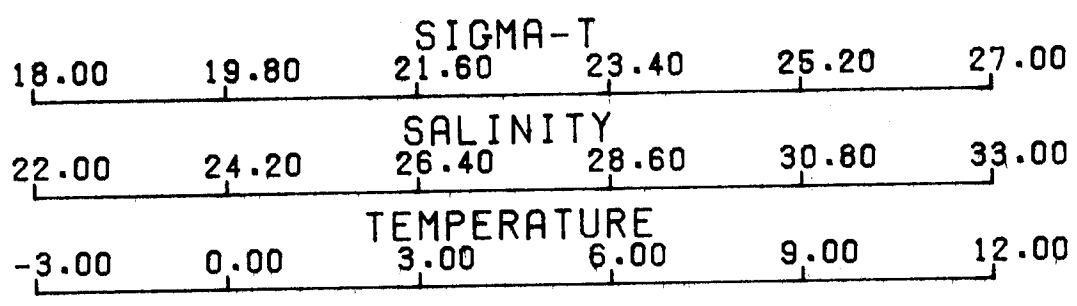
PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 315 DEG  
 TEMP DRY 9.2 C TEMP WET 7.8 C  
 PRESSURE 1009.7 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT 4 SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1217	0.0	7.500	23.681	18.504
1220	2.2	7.390	23.674	18.511
1220	2.6	7.390	23.674	18.511
1220	3.5	7.380	23.677	18.515
1220	5.0	7.380	23.691	18.520
1220	6.7	7.360	23.693	18.520
1220	8.3	7.290	23.695	18.530
1220	9.7	7.250	23.700	18.540
1220	11.3	6.5110	23.959	18.877
1220	13.1	6.120	24.191	19.129
1220	14.9	5.460	24.259	19.212
1220	16.3	4.420	24.387	19.365
1220	18.1	3.460	24.827	19.785
1220	20.2	3.070	25.040	19.981
1220	23.1	2.720	25.289	20.200
1221	25.1	2.520	25.382	20.286
1221	26.8	2.350	25.531	20.415
1221	27.9	2.1940	25.824	20.671
1221	30.2	1.670	26.137	20.934
1221	32.0	1.610	26.173	20.966
1221	33.3	.980	26.947	21.613
1221	35.2	.730	27.313	21.916
1221	36.3	.410	27.789	22.310
1221	38.5	.030	28.357	22.779
1221	40.0	.070	28.532	22.923
1221	40.5	.090	28.555	22.950
1221	41.5	.200	28.724	23.082
1222	43.8	.420	29.087	23.380
1222	44.8	.450	29.129	23.415
1222	46.8	.490	29.180	23.457
1222	48.3	.560	29.289	23.547
1222	49.7	.560	29.345	23.592
1222	51.1	.560	29.359	23.603
1223	53.1	.590	29.656	23.846
1223	54.7	.720	29.812	23.973
1223	56.3	.790	29.895	24.042
1223	58.1	.820	29.952	24.088

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STATION NO. 6136 1 170 MONTH 8 DAY 22



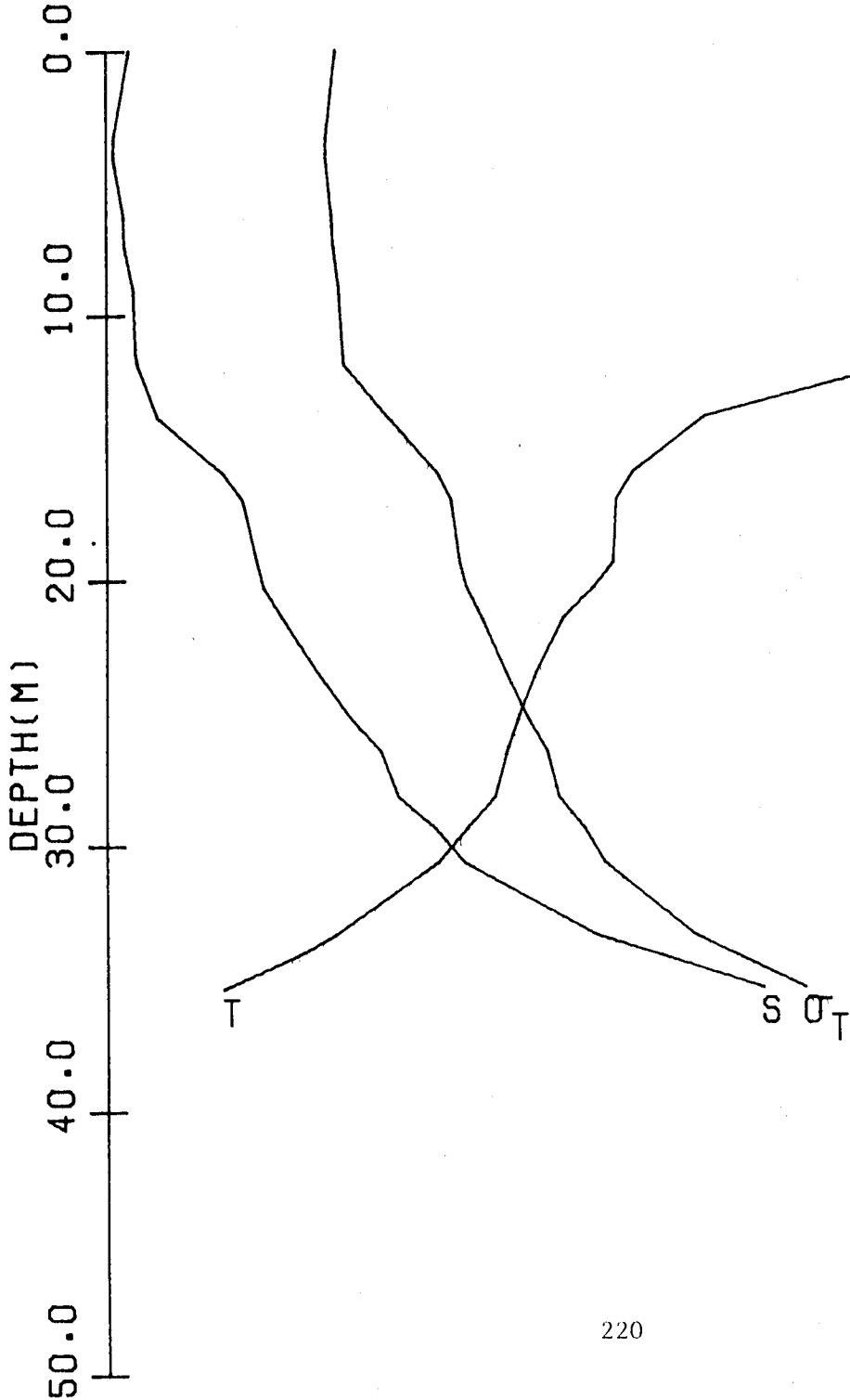
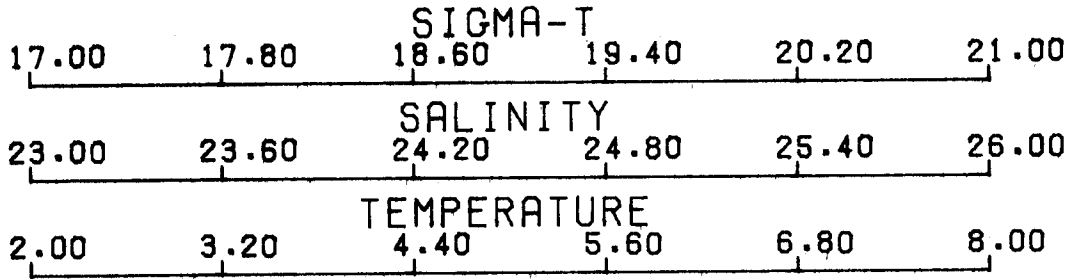
AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6136 VISIT NUM 1 CONSECUTIVE NUM 170  
 LATITUDE 54 DEGREES 1.92 MINUTES  
 LONGITUDE 79 DEGREES 58.40 MINUTES  
 SOUNDING 75.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 18 KNTS WIND DIR 305 DEG  
 TEMP DRIFT 8.0 C TEMP WET 7.6 C  
 PRESSURE 1011.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
13 0	0	7.500	23.457	18.329
13 4	3	7.550	23.320	18.216
13 4	5	7.570	23.340	18.222
13 4	6	7.530	23.344	18.237
13 4	8	7.540	23.346	18.237
13 4	9	7.540	23.355	18.244
13 4	11	7.500	23.373	18.263
13 5	13	7.220	23.474	18.374
13 5	15	6.460	23.793	18.707
13 5	16	5.210	23.820	18.761
13 5	18	5.140	23.982	18.984
13 5	19	4.750	24.073	19.090
13 5	21	4.580	24.256	19.242
13 5	22	4.630	24.560	19.562
13 5	24	4.270	24.722	19.715
13 5	26	4.340	25.017	19.977
13 5	28	4.400	25.434	20.388
13 5	30	4.410	25.847	20.688
13 5	31	4.100	26.580	21.300
13 5	32	3.810	27.421	22.000
13 5	33	3.590	27.698	22.230
13 5	34	3.500	27.919	22.331
13 5	36	3.420	27.959	22.446
13 5	38	3.240	28.191	22.630
13 5	40	3.160	28.319	22.744
13 5	41	3.100	28.347	22.769
13 5	43	3.080	28.447	22.835
13 5	45	3.080	28.564	22.944
13 5	47	3.110	28.665	23.031
13 5	48	3.120	28.705	23.064
13 7	50	3.260	28.714	23.071
13 7	51	3.450	28.931	23.250
13 7	53	3.530	29.210	23.480
13 7	54	3.530	29.319	23.570
13 7	56	3.750	29.422	23.657
13 8	58	3.770	29.913	24.055
13 8	59	3.790	30.046	24.180
13 8	61	3.850	30.133	24.239
13 8	62	3.860	30.162	24.259
13 8	63	3.880	30.196	24.287
13 8	65	3.880	30.196	24.287

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STATION NO. 6156 1 171 MONTH 8 DAY 22

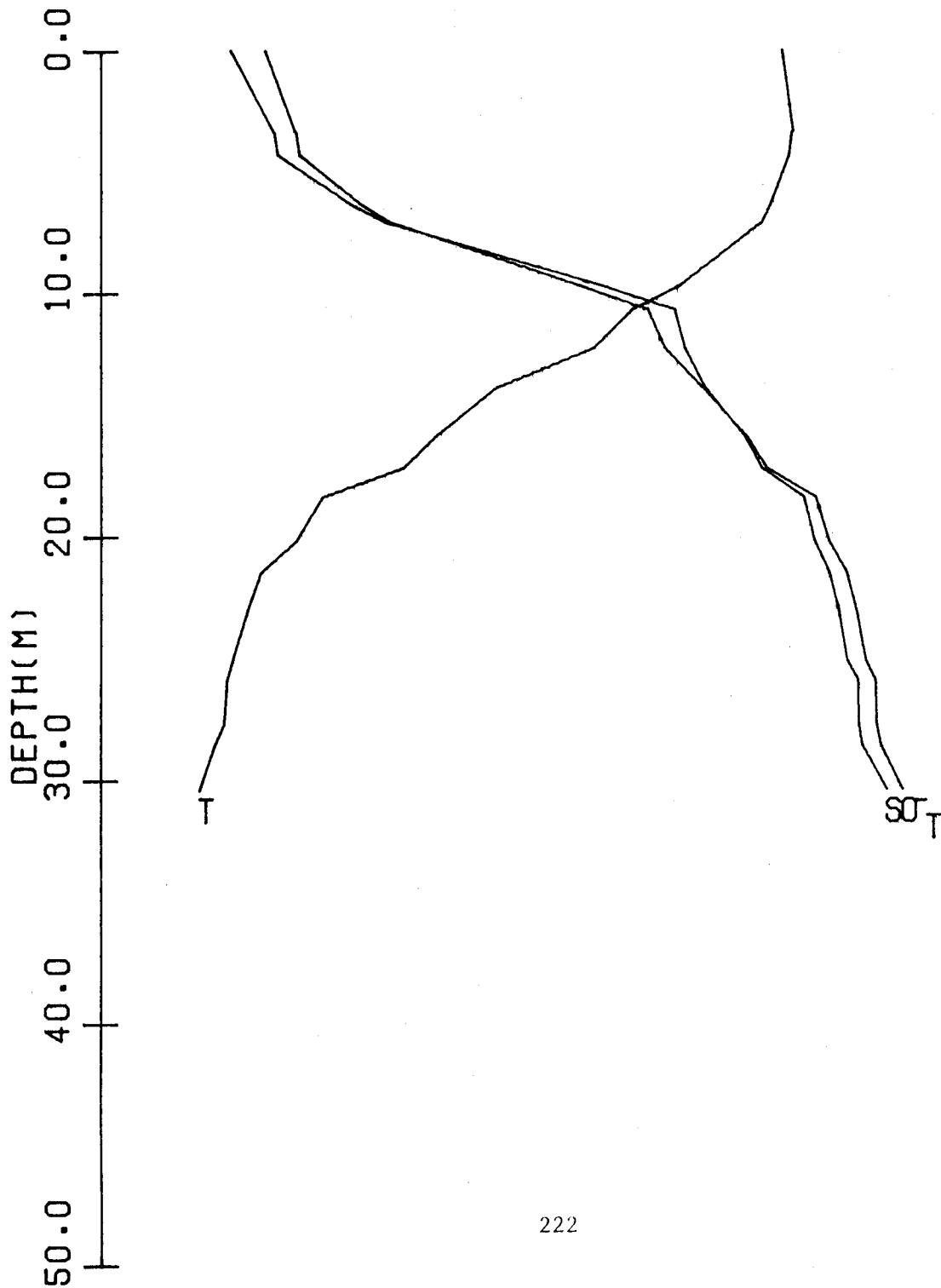
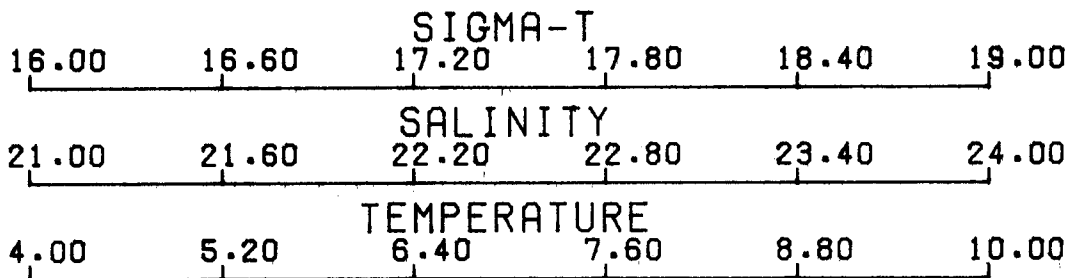


AREA SQUARE NUM 52075  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6156 VISIT NUM 1 CONSECUTIVE NUM 171  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 36.50 MINUTES  
 SOUNDING 42.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.9 C TEMP WET 7.4 C  
 PRESSURE 1012.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1436	0.0	7.500	23.075	18.030
1440	3.3	7.530	23.023	17.986
1440	4.1	7.530	23.023	17.986
1440	6.2	7.530	23.055	18.011
1441	7.4	7.490	23.059	18.019
1441	9.0	7.490	23.088	18.042
1441	11.5	7.360	23.097	18.061
1441	11.9	7.400	23.104	18.064
1441	13.9	5.030	23.172	18.263
1441	16.0	5.540	23.392	18.483
1441	17.0	5.430	23.438	18.545
1441	19.4	5.410	23.506	18.585
1441	20.7	5.280	23.527	18.613
1441	21.5	5.070	23.592	18.683
1441	23.5	4.890	23.707	18.780
1441	25.2	4.770	23.816	18.885
1441	26.5	4.690	23.921	18.975
1441	28.2	4.610	23.979	19.027
1441	29.4	4.420	24.104	19.141
1442	30.7	4.220	24.203	19.235
1442	33.4	3.530	24.644	19.635
1442	34.2	3.270	24.868	19.831
1442	35.4	2.780	25.210	20.134

STATION NO. 6155 1 172 MONTH 8 DAY 22

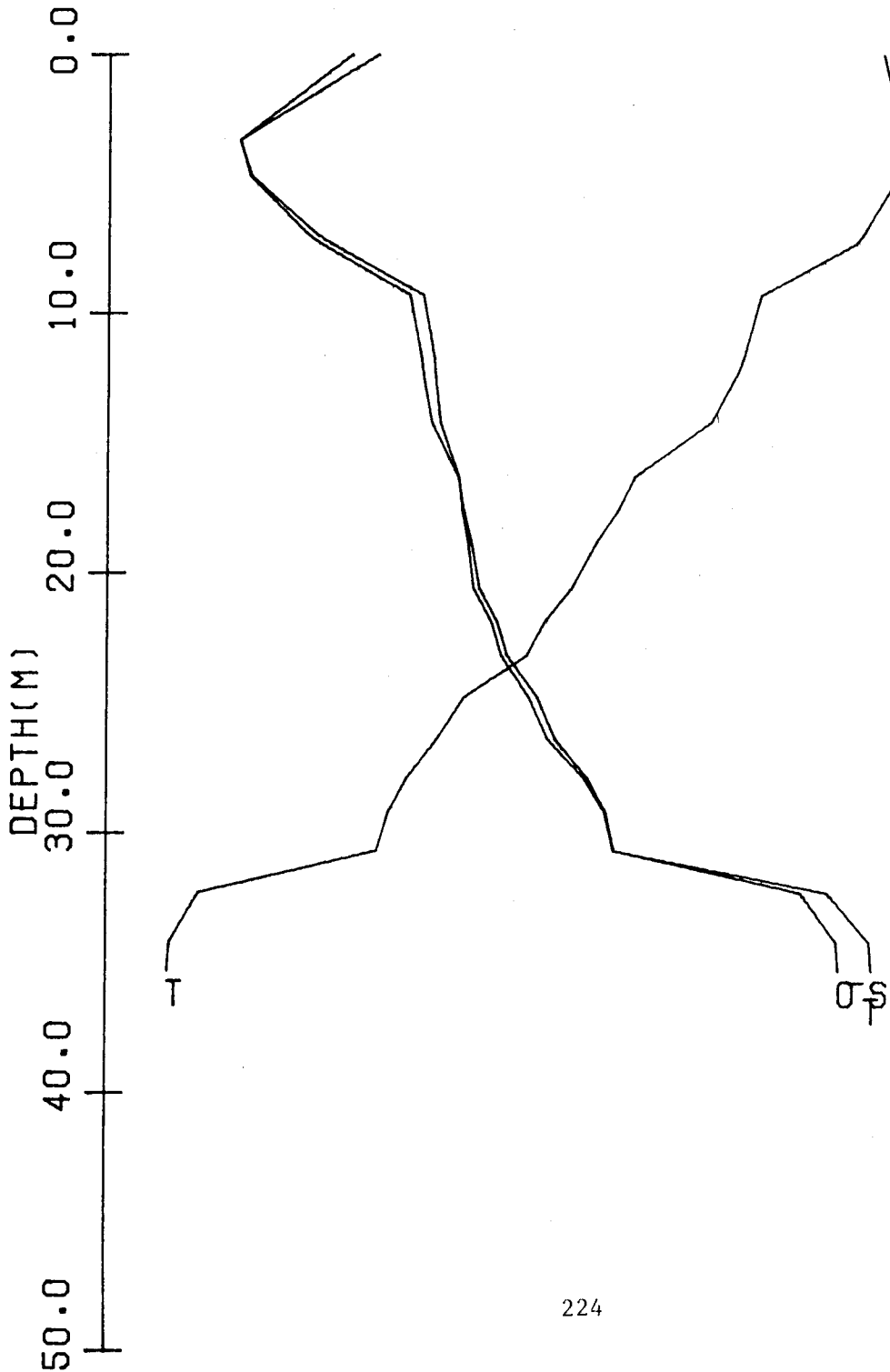
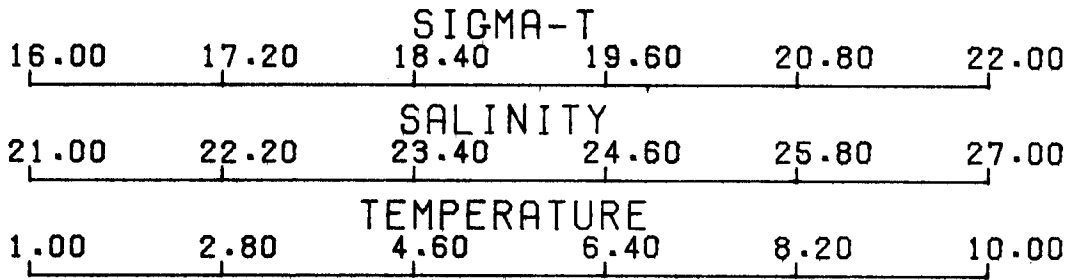


AREA SQUARE NUM 52075  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6155 VISIT NUM 1 CONSECUTIVE NUM 172  
 LATITUDE 53 DEGREES 31.42 MINUTES  
 LONGITUDE 79 DEGREES 30.00 MINUTES  
 SOUNDING 36.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 310 DEG  
 TEMP DRY 8.4 C TEMP WET 8.0 C  
 PRESSURE 1012.4 M BAR WAVE HEIGHT 1.5 M  
 SWELL HEIGHT M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
1514	0.0	9.000	21.474	16.598	S
1516	3.3	9.080	21.627	16.707	
1516	3.4	9.070	21.633	16.713	
1516	4.3	9.050	21.645	16.725	
1516	6.4	8.910	21.921	16.958	
1516	7.1	8.850	22.044	17.061	
1516	9.7	8.250	22.834	17.752	
1516	10.7	7.900	23.106	18.007	
1516	12.3	7.610	23.144	18.071	
1517	13.9	6.900	23.217	18.209	
1517	15.9	6.450	23.364	18.372	
1517	17.2	6.210	23.427	18.446	
1517	18.4	5.620	23.582	18.625	
1517	20.2	5.430	23.621	18.673	
1517	21.5	5.170	23.675	18.739	
1517	23.1	5.070	23.710	18.776	
1517	25.1	4.960	23.740	18.809	
1517	25.9	4.920	23.780	18.844	
1517	27.7	4.900	23.782	18.847	
1517	28.6	4.830	23.796	18.864	
1517	30.4	4.720	23.886	18.944	

STATION NO. 6154 1 173 MONTH 8 DAY 22



AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6154 VISIT NUM 1 CONSECUTIVE NUM 173  
 LATITUDE 53 DEGREES 51.97 MINUTES  
 LONGITUDE 79 DEGREES 23.90 MINUTES  
 SOUNDING 42.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

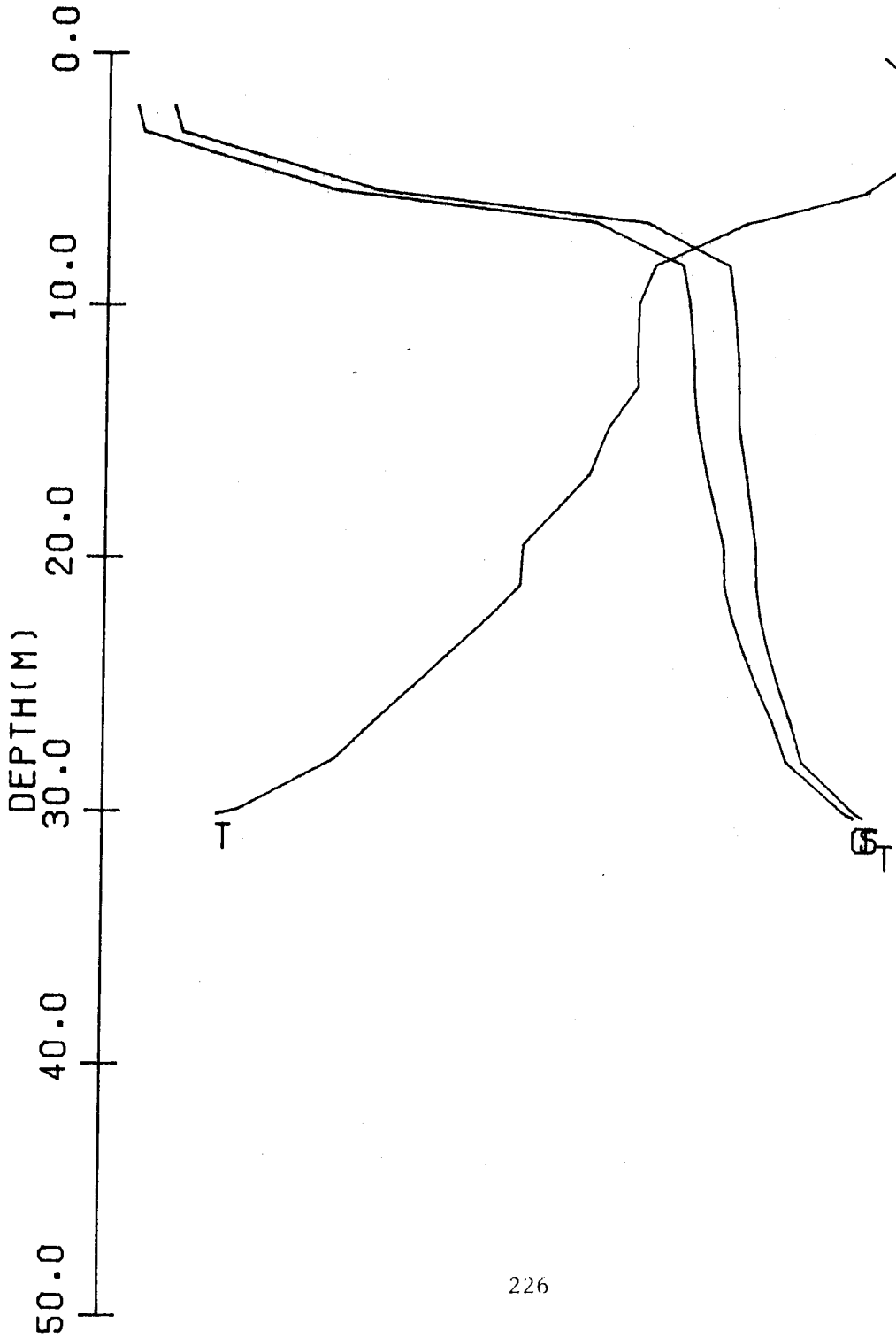
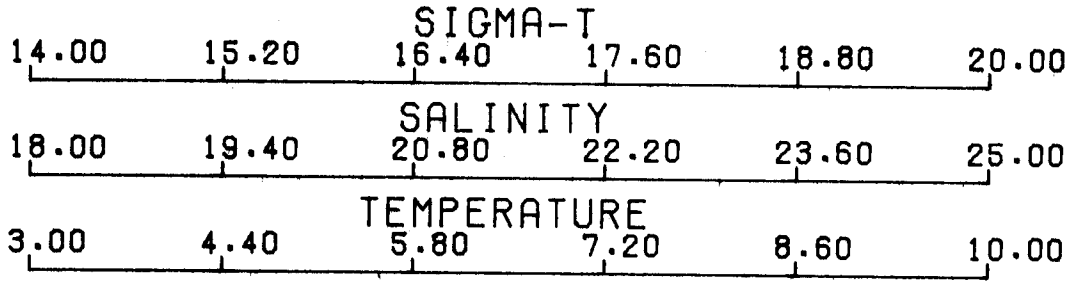
PROFILE NUM 1  
 WIND SPEED 22 KNTS WIND DIR 307 DEG  
 TEMP DRY 8.4 C TEMP WET 8.0 C  
 PRESSURE 1013.6 M BAR WAVE HEIGHT 1.3 M  
 SWELL HEIGHT M  
 SECCHI DISC 6.0

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1557	0.0	9.000	22.350	17.868
1558	3.3	9.210	21.837	16.980
1559	4.7	9.150	21.976	16.969
1559	5.9	8.800	22.417	17.358
1559	7.3	8.720	22.521	17.449
1559	9.3	7.740	23.169	18.076
1559	11.7	7.560	23.244	18.155
1559	12.3	7.500	23.250	18.167
1559	14.2	7.230	23.287	18.227
1559	16.3	5.440	23.417	18.414
1559	17.8	6.270	23.442	18.451
1559	18.8	5.050	23.479	18.503
1559	20.8	5.790	23.520	18.560
1559	21.8	5.510	23.646	18.686
1559	23.3	5.330	23.713	18.755
1559	24.8	4.680	23.906	18.964
1559	26.4	4.400	24.035	19.088
1560	27.9	4.090	24.288	19.312
1560	29.2	3.900	24.429	19.433
1560	30.7	3.780	24.493	19.498
1560	32.3	1.950	25.270	20.786
1560	34.2	1.650	26.257	21.031
1560	35.5	1.650	26.273	21.044

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STATION NO. 6153 1 174 MONTH 8 DAY 22



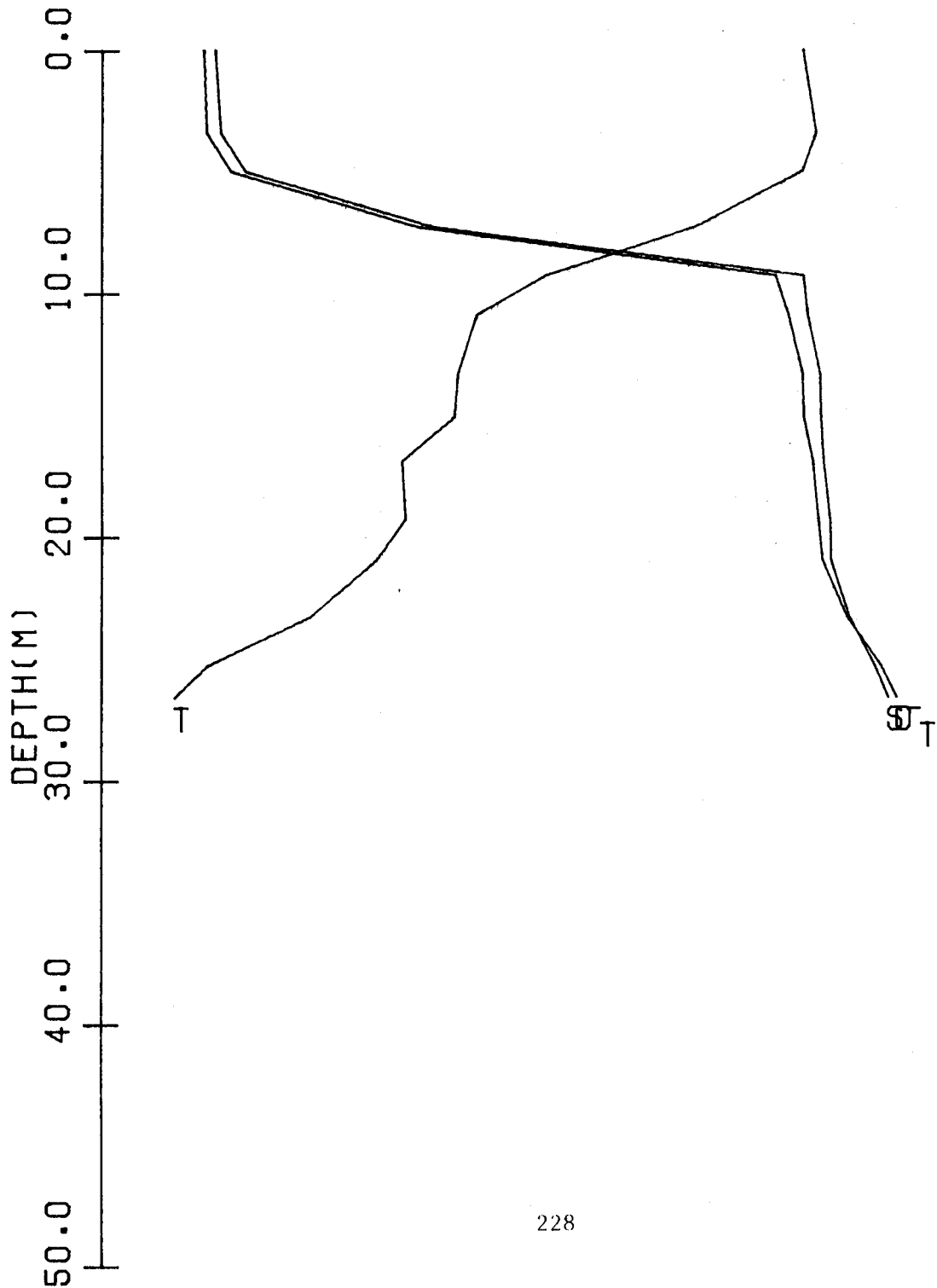
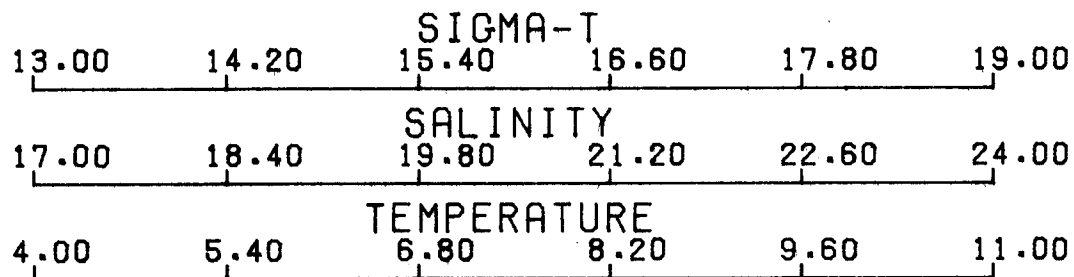
AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6153 VISIT NUM 1 CONSECUTIVE NUM 174  
 LATITUDE 53 DEGREES 51.10 MINUTES  
 LONGITUDE 79 DEGREES 20.50 MINUTES  
 SOUNDING 40.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 14 DEG  
 TEMP OFY 8.3 C TEMP WET 7.6 C  
 PRESSURE 1012.3 M BAR WAVE HEIGHT 1.3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1638	0.0	9.400		
1640	2.1	9.920	18.538	14.198
1640	3.1	9.920	18.537	14.244
1640	5.4	9.240	20.227	15.598
1640	6.6	8.280	22.457	17.455
1640	8.3	7.520	23.139	18.076
1640	9.8	7.390	23.181	18.126
1640	12.1	7.380	23.220	18.157
1640	13.1	7.390	23.224	18.158
1640	14.7	7.190	23.229	18.191
1640	16.6	6.990	23.291	18.237
1640	17.6	6.800	23.318	18.290
1641	19.4	6.450	23.375	18.380
1641	21.0	6.430	23.382	18.388
1641	22.2	6.190	23.415	18.438
1641	23.6	5.870	23.487	18.527
1641	25.1	5.530	23.584	18.633
1641	26.3	5.250	23.676	18.733
1641	27.0	4.900	23.770	18.836
1641	29.9	4.110	24.211	19.250
1641	30.1	3.940	24.276	19.314

S

STATION NO. 6152 1 175 MONTH 8 DAY 22



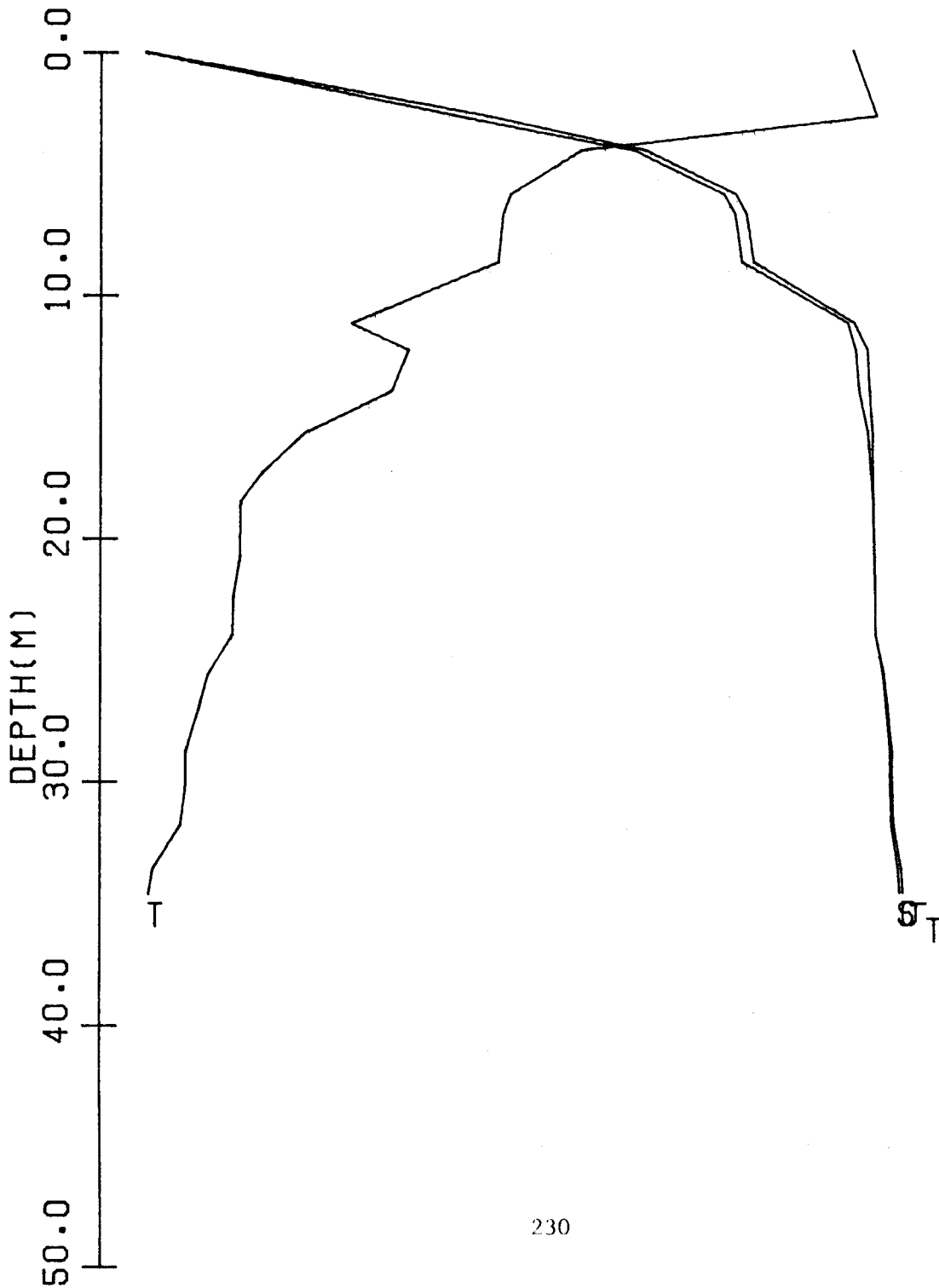
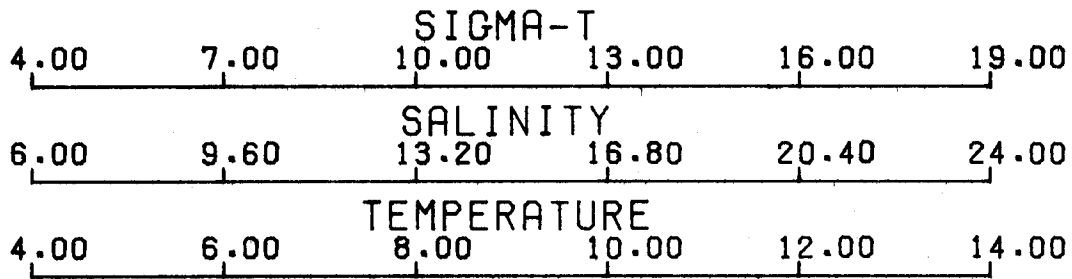
AREA SQUARE NUM 52076  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6152 VISIT NUM 1 CONSECUTIVE NUM 175  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 14.92 MINUTES  
 SOUNDING 34.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 21 KNTS WIND DIR 300 DEG  
 TEMP DEW 8.7 C TEMP WET 8.3 C  
 PRESSURE 1013.2 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 4.5 M

TIME (GHT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1712	0.0	10.000	17.956	13.744
1714	3.4	10.110	18.015	13.767
1714	5.0	9.990	18.227	13.947
1714	7.3	9.070	19.840	15.319
1714	9.3	7.790	23.004	17.941
1714	10.0	7.200	23.040	18.037
1714	13.3	7.040	23.146	18.138
1714	15.1	7.010	23.154	18.147
1714	16.9	6.560	23.175	18.212
1714	19.3	6.590	23.234	18.255
1714	21.0	6.340	23.242	18.287
1714	23.3	5.780	23.398	18.465
1714	25.3	4.900	23.616	18.716
1714	26.6	4.620	23.732	18.831

S

STATION NO. 6151 1 176 MONTH 8 DAY 22



AREA SQUARE NUM 52076  
 DATE 9 MONTH 22 DAY  
 STATION NUM 6151 VISIT NUM 1 CONSECUTIVE NUM 176  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 10.60 MINUTES  
 SOUNDING 43.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 21 KNTS WIND DIR 315 DEG  
 TEMP DRY 9.8 C TEMP WET 9.6 C  
 PRESSURE 1013.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1740	0.0	13.200	5.991	4.820
1740	2.7	13.490	14.584	10.616
1740	4.1	9.870	18.013	13.797
1740	5.9	9.080	19.985	15.440
1740	6.7	8.910	20.225	15.638
1740	8.7	8.850	20.375	15.763
1740	11.2	7.050	22.602	17.711
1740	12.3	7.760	22.390	17.855
1740	14.0	7.550	22.339	17.918
1740	15.7	6.490	22.998	18.081
1740	17.3	5.980	23.008	18.140
1740	18.5	5.710	23.019	18.174
1741	20.8	5.700	23.048	18.198
1741	22.4	5.620	23.067	18.220
1741	24.0	5.610	23.073	18.226
1741	25.6	5.310	23.273	18.379
1741	26.9	5.210	23.302	18.442
1741	28.8	5.040	23.396	18.531
1741	30.2	5.040	23.405	18.538
1741	31.8	4.980	23.426	18.560
1741	33.6	4.640	23.571	18.703
1741	34.9	4.590	23.606	18.734

S

STATION NO. 6001 1 177 MONTH 8 DAY 23

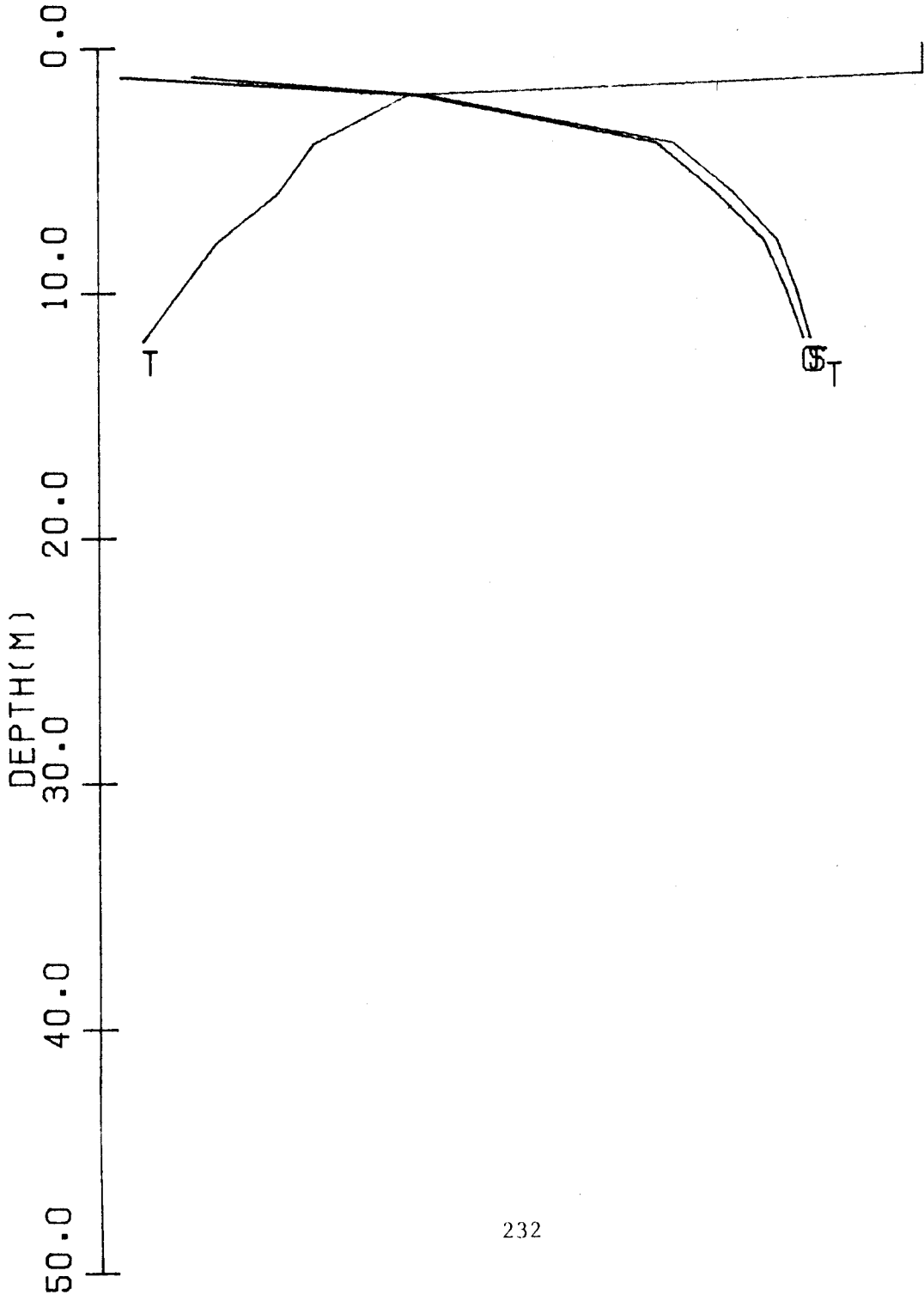
SIGMA-T					
13.00	14.20	15.40	16.60	17.80	19.00

SALINITY					
17.00	18.40	19.80	21.20	22.60	24.00

TEMPERATURE					
6.00	7.40	8.80	10.20	11.60	13.00



AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6001 VISIT NUM 1 CONSECUTIVE NUM 177  
 LATITUDE 53 DEGREES 49.40 MINUTES  
 LONGITUDE 79 DEGREES 9.65 MINUTES  
 SOUNDING 13.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

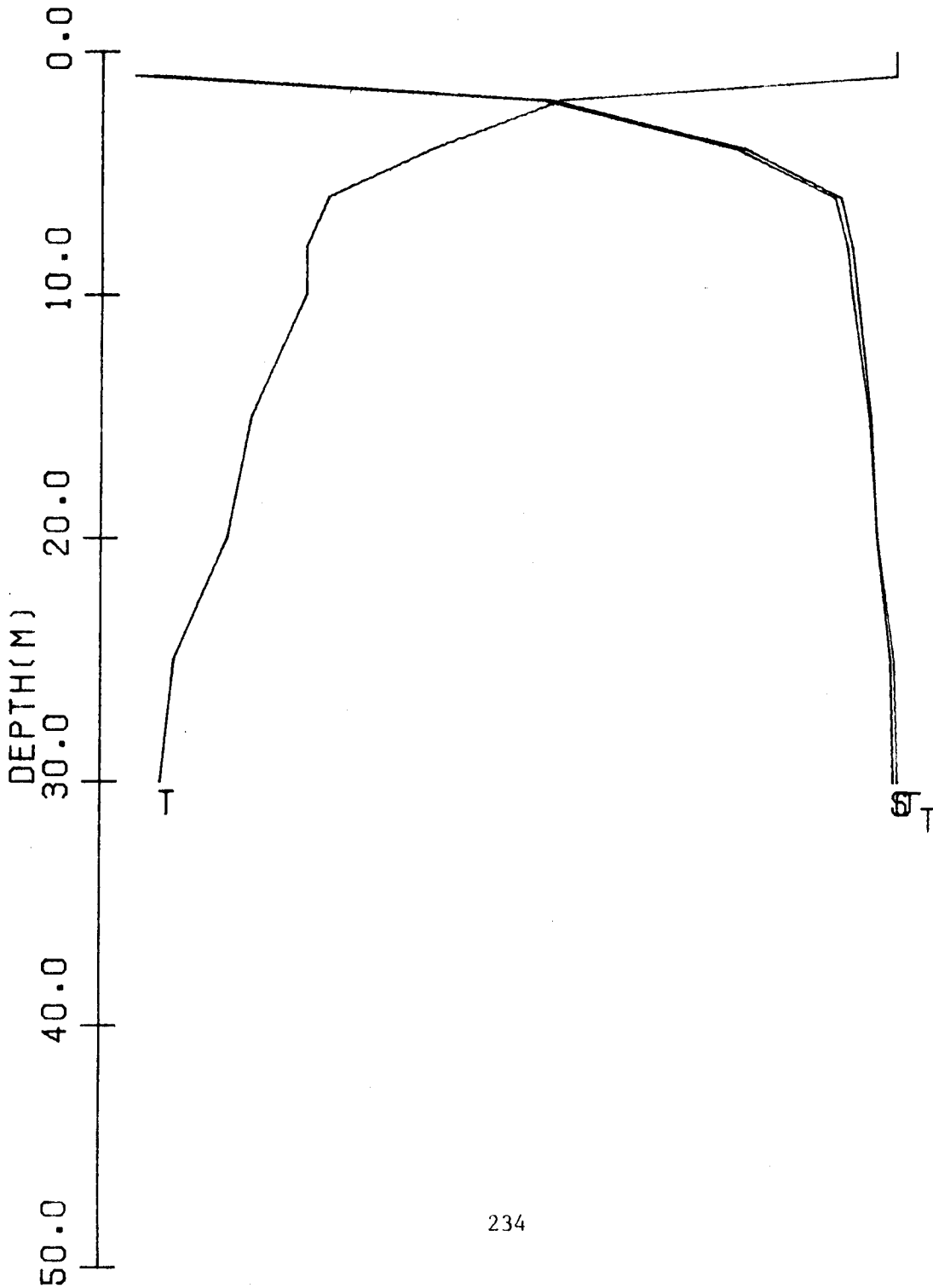
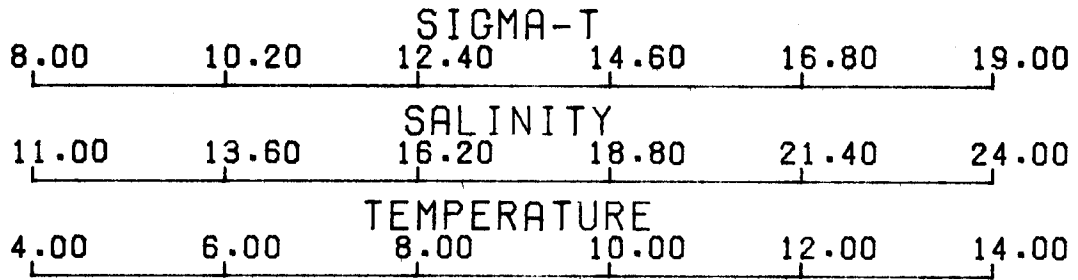
PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
17 0	0.0	13.000		
1710	1.2	13.000	17.803	13.170
1711	2.0	8.630	19.760	15.311
1712	4.0	7.820	21.880	17.060
1713	6.0	7.520	22.378	17.483
1715	8.0	7.000	22.762	17.842
1716	10.0	6.690	22.923	18.001
1717	12.0	6.380	23.040	18.125

S



STATION NO. 6002 1 178 MONTH 8 DAY 23

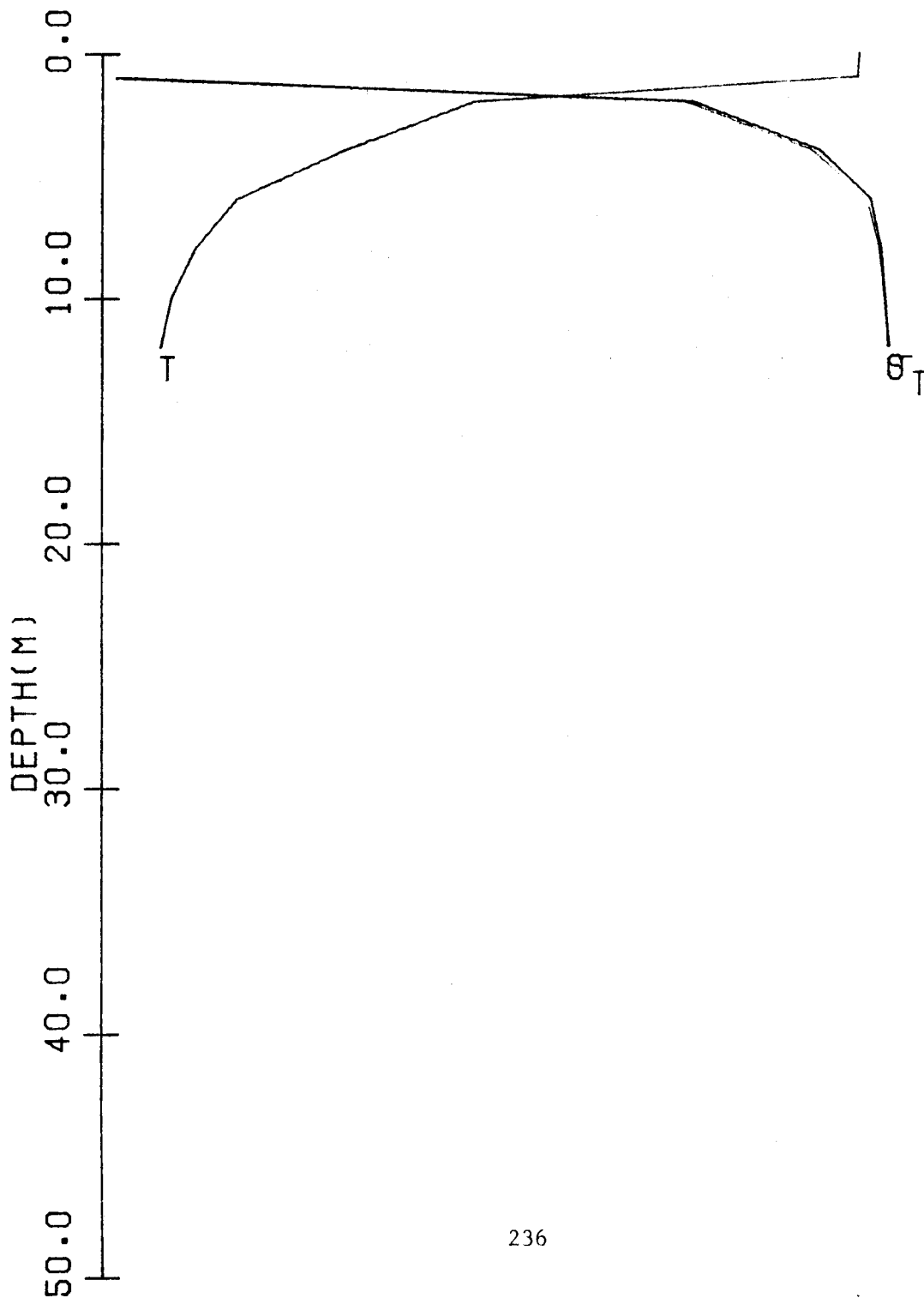
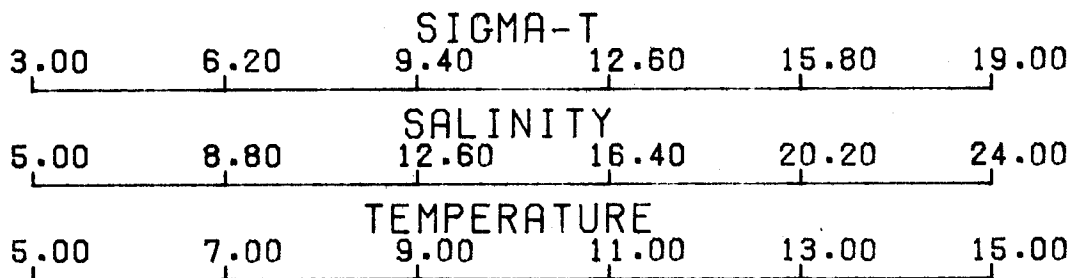


AREA SQUARE NUM 52075  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6022 VISIT NUM 1 CONSECUTIVE NUM 178  
 LATITUDE 53 DEGREES 50.90 MINUTES  
 LONGITUDE 79 DEGREES 48.70 MINUTES  
 SOUNDING 31.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1732	0.0	13.700		
1735	1.0	13.700	11.310	8.451
1735	2.0	9.600	18.121	13.916
1736	4.0	8.040	21.222	15.521
1736	6.0	6.760	22.742	17.852
1737	8.0	6.490	22.921	18.020
1737	10.0	6.490	23.012	18.092
1738	15.0	5.930	23.230	18.328
1738	20.0	5.540	23.336	18.439
1739	25.0	4.890	23.555	18.668
1739	30.0	4.730	23.605	18.722

STATION NO. 6003 1 179 MONTH 8 DAY 23



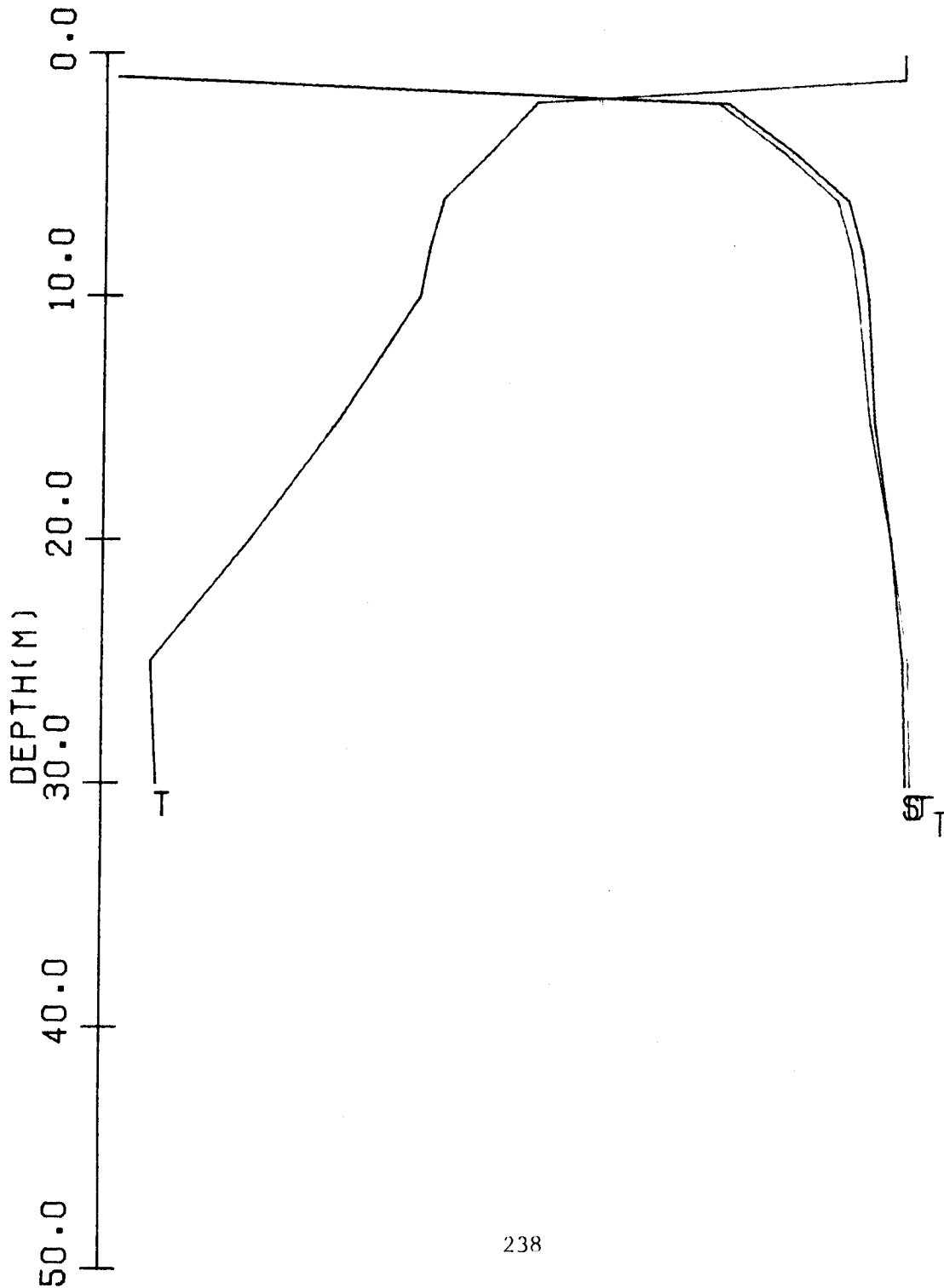
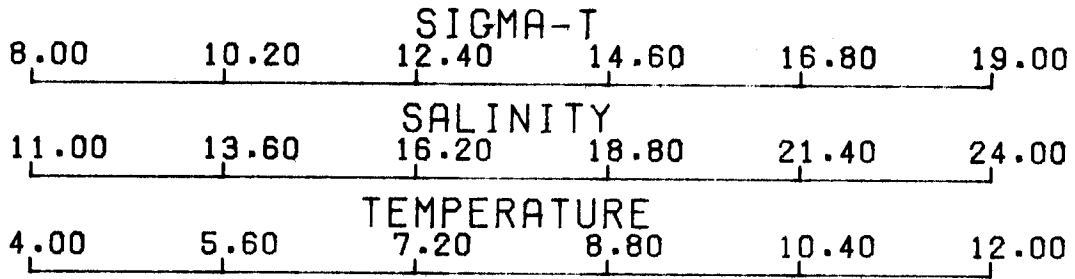
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6003 VISIT NUM 1 CONSECUTIVE NUM 179  
 LATITUDE 53 DEGREES 51.70 MINUTES  
 LONGITUDE 79 DEGREES 9.70 MINUTES  
 SOUNDING 14.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUIDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 H BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1755	0.0	14.200		
1756	1.0	14.180	5.313	3.381
1756	2.0	9.520	15.614	14.300
1757	4.0	7.930	21.550	16.789
1757	6.0	6.620	22.744	17.868
1757	3.0	6.120	22.988	18.110
1758	10.0	5.840	23.086	18.214
1758	12.0	5.710	23.175	18.297

S

STATION NO. 6151 2 180 MONTH 8 DAY 23

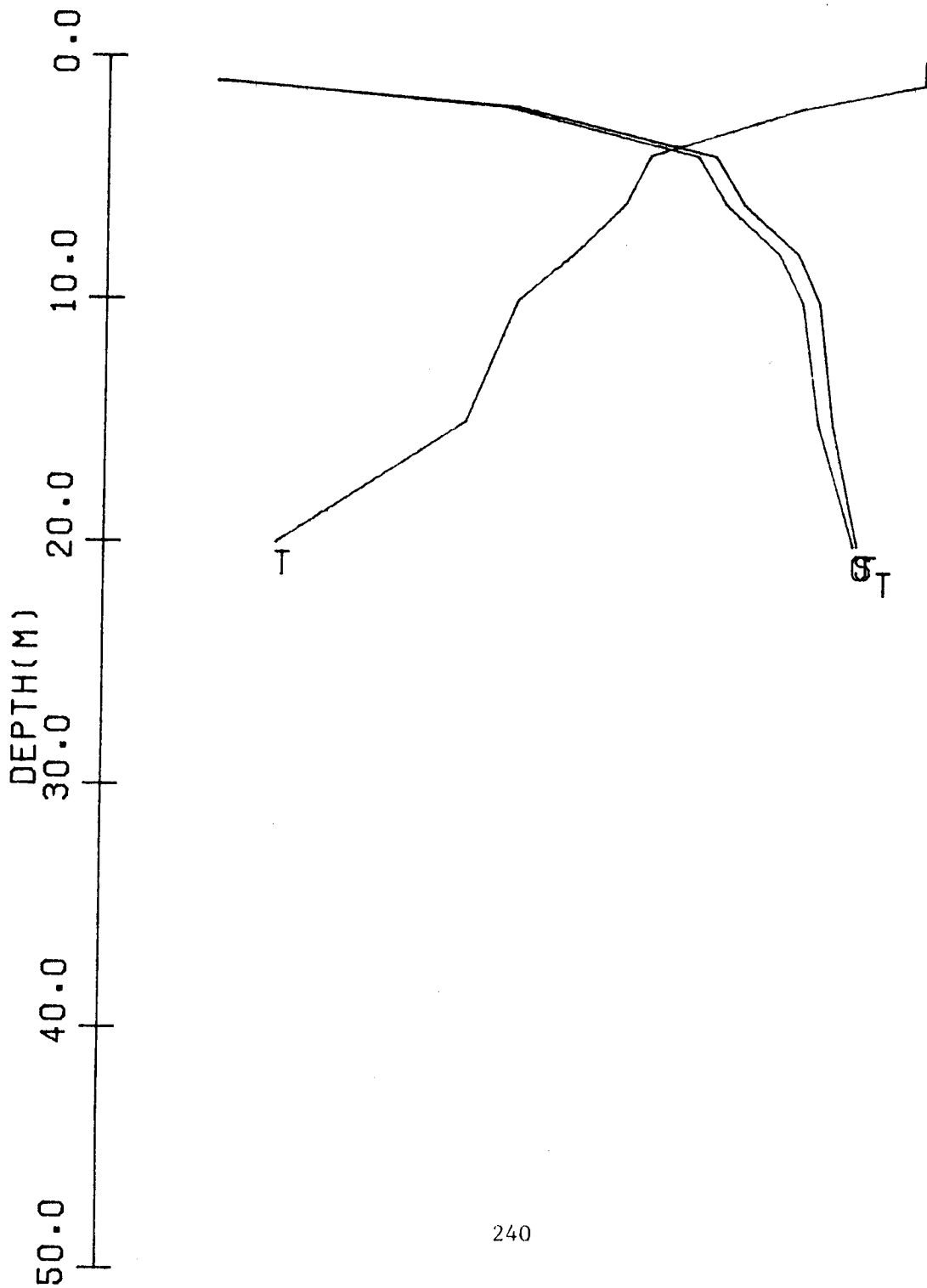
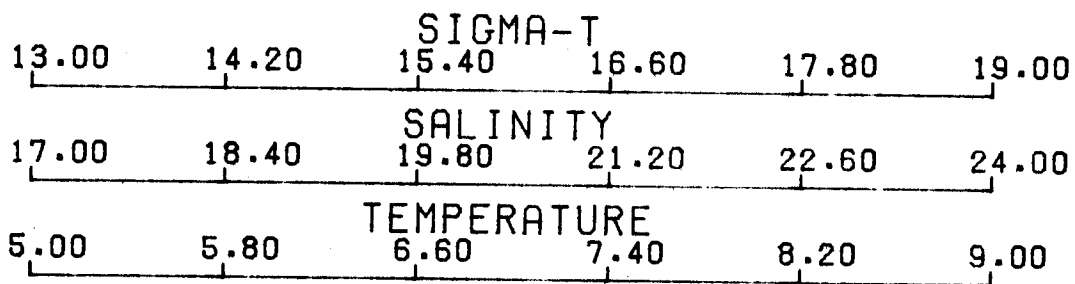


AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6151 VISIT NUM 2 CONSECUTIVE NUM 180  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 10.50 MINUTES  
 SOUNDING 32.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
18 7	0.0	11.800		
18 8	1.0	11.800	11.191	8.238
18 8	2.0	8.200	20.867	16.225
18 8	4.0	7.760	21.918	17.096
18 9	6.0	7.290	22.795	17.635
18 9	8.0	7.160	23.014	18.021
18 9	10.0	7.070	23.119	18.113
18 9	15.0	6.300	23.230	18.282
18 10	20.0	5.430	23.506	18.583
18 10	25.0	4.470	23.787	18.824
18 10	30.0	4.530	23.762	18.862

STATION NO. 6004 1 181 MONTH 8 DAY 23



AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6004 VISIT NUM 1 CONSECUTIVE NUM 181  
 LATITUDE 53 DEGREES 51.16 MINUTES  
 LONGITUDE 79 DEGREES 11.30 MINUTES  
 SOUNDING 23.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

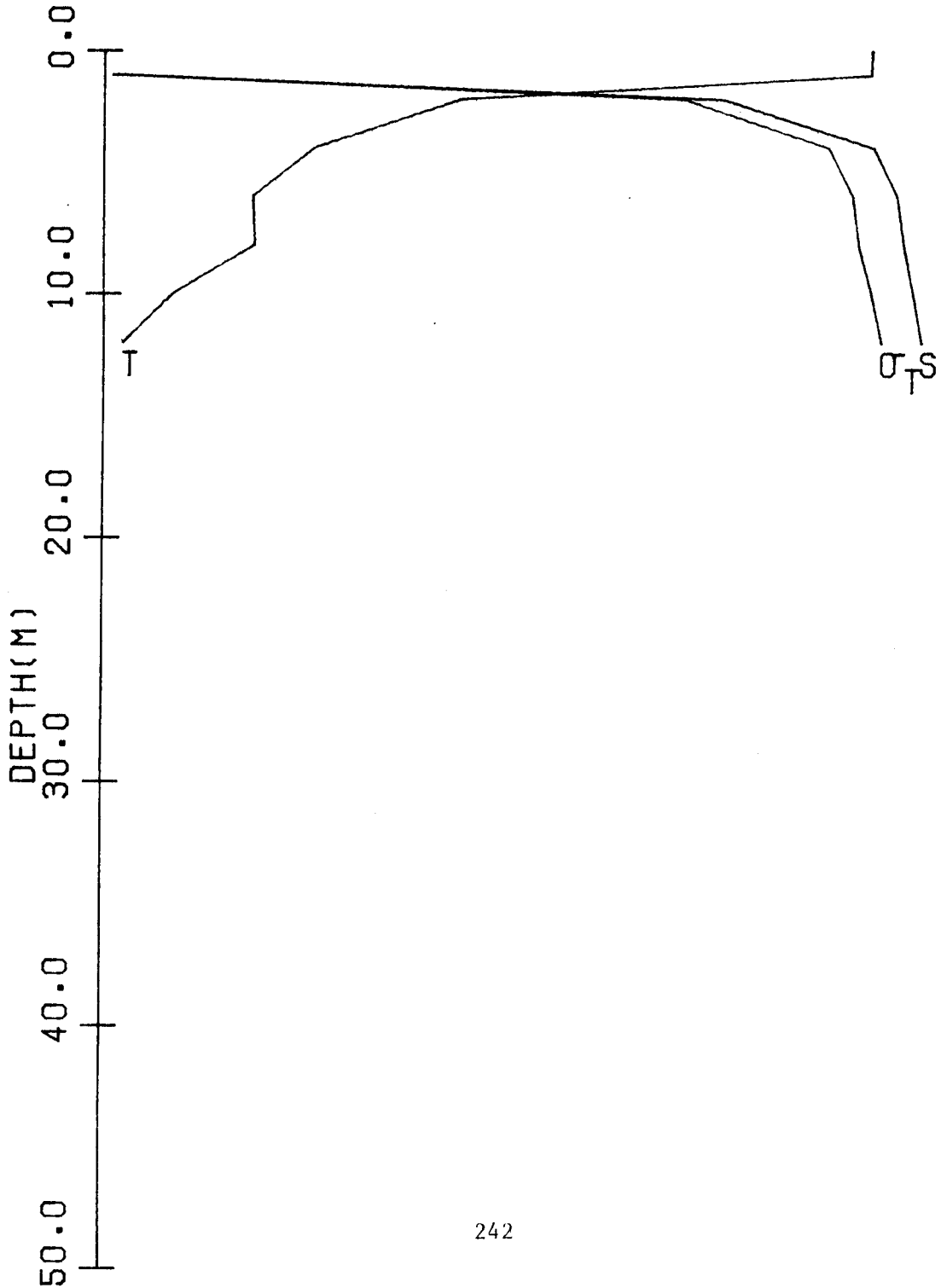
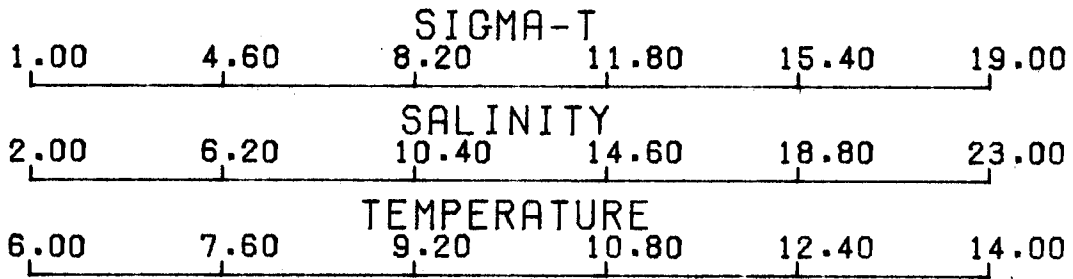
PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1820	0.0	9.000		
1822	1.0	9.000	17.928	13.841
1822	2.0	8.400	20.491	15.908
1823	4.0	7.650	22.207	17.335
1823	6.0	7.530	22.460	17.546
1823	8.0	7.290	22.928	17.939
1823	10.0	7.010	23.114	18.116
1824	15.0	6.760	23.236	18.239
1824	20.0	5.840	23.453	18.503

S



STATION NO. 6005 1 182 MONTH 8 DAY 23



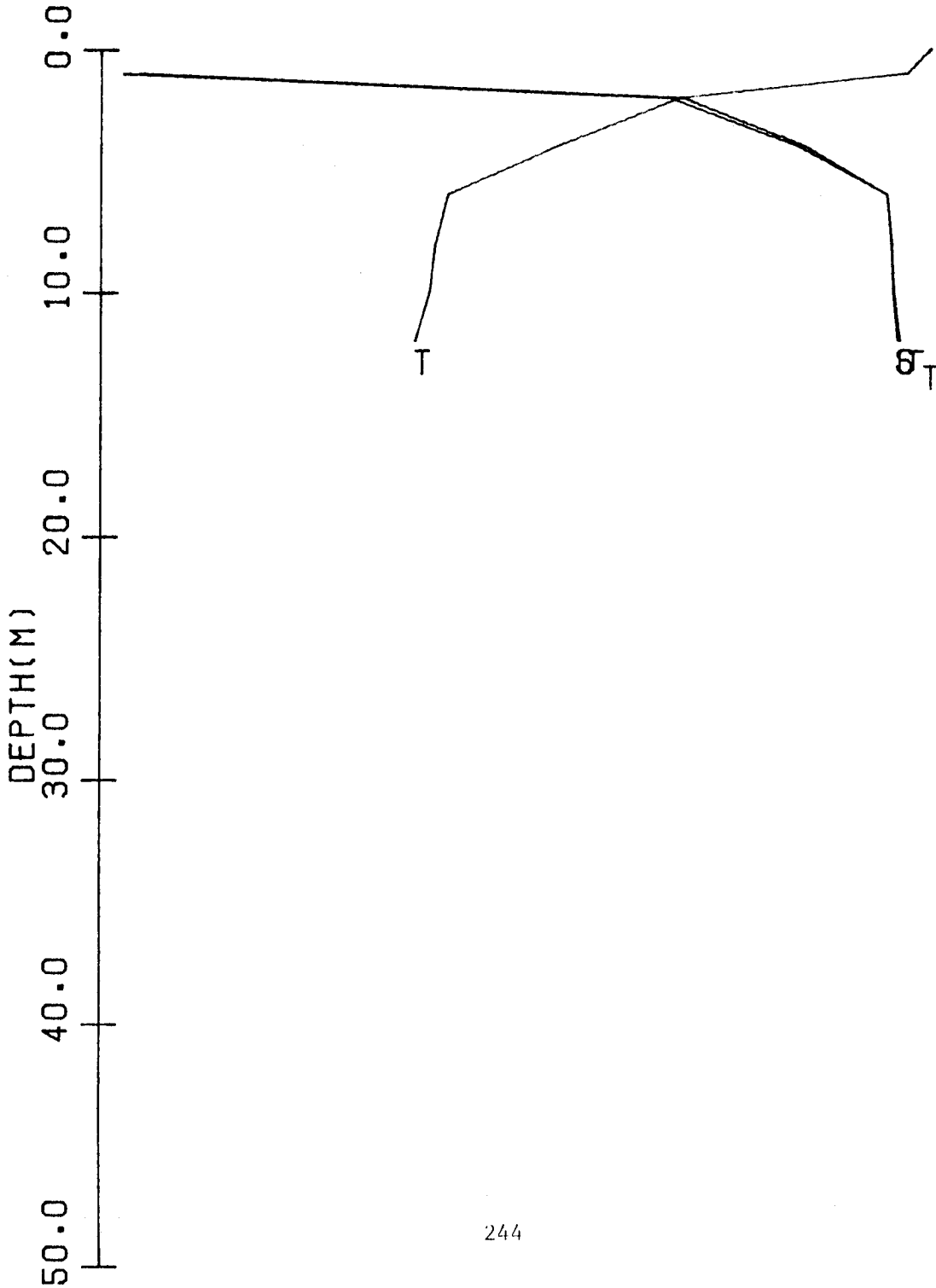
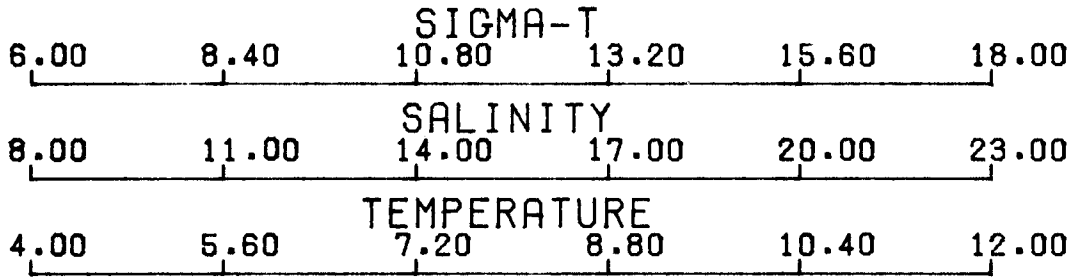
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6005 VISIT NUM 1 CONSECUTIVE NUM 162  
 LATITUDE 57 DEGREES 49.00 MINUTES  
 LONGITUDE 79 DEGREES 8.55 MINUTES  
 SOUNDING 14.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.0 C TEMP WET 5.0 C  
 PRESSURE 1027.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1848	0.0	13.500		
1849	1.0	13.490	2.340	1.188
1849	2.0	9.480	17.853	13.723
1850	4.0	9.050	21.737	16.921
1850	6.0	7.450	22.335	17.458
1850	8.0	7.470	22.499	17.584
1851	10.0	6.680	22.748	17.865
1851	12.0	6.190	22.985	18.101

S

STATION NO. 6006 1 183 MONTH 8 DAY 23



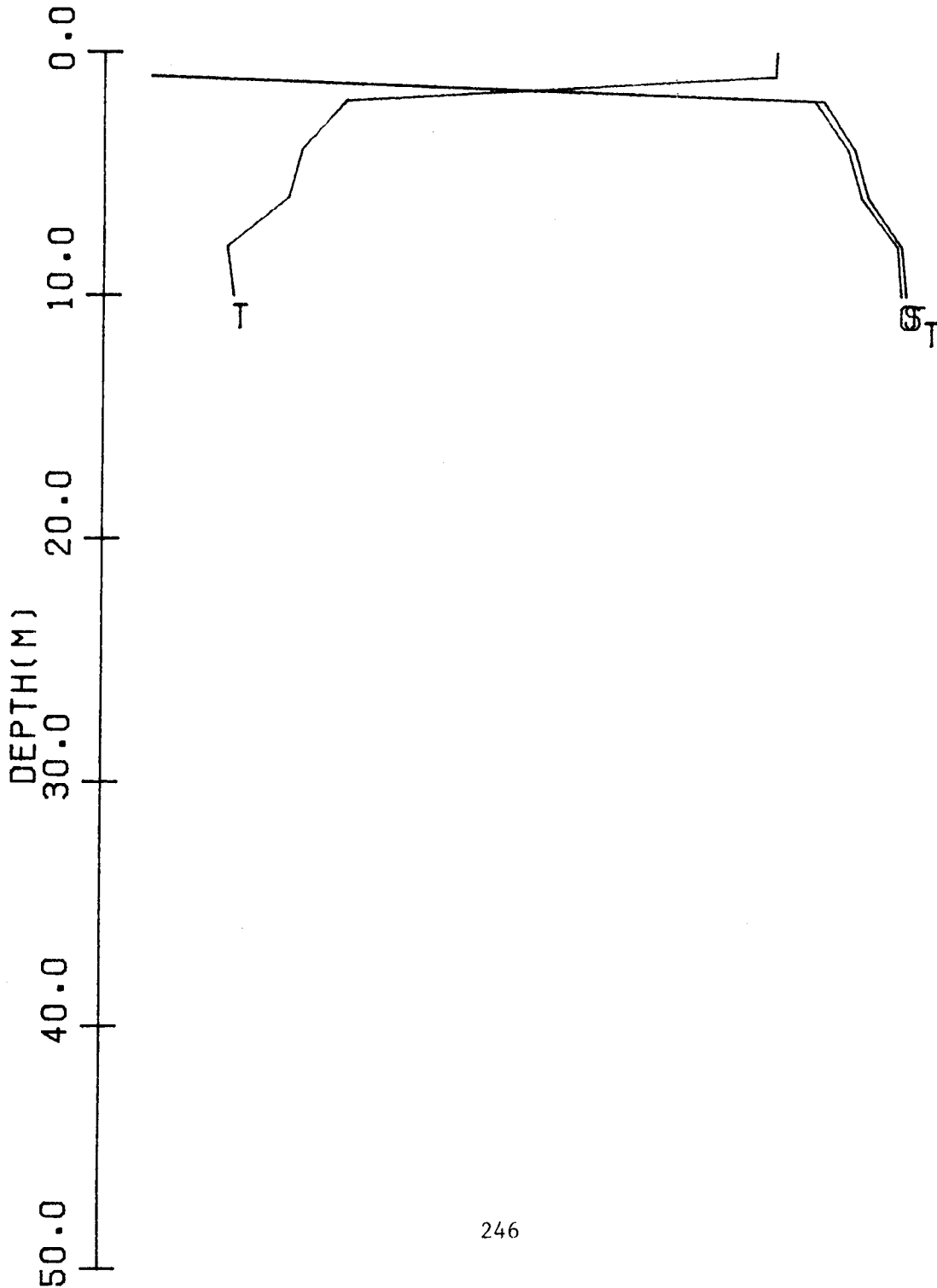
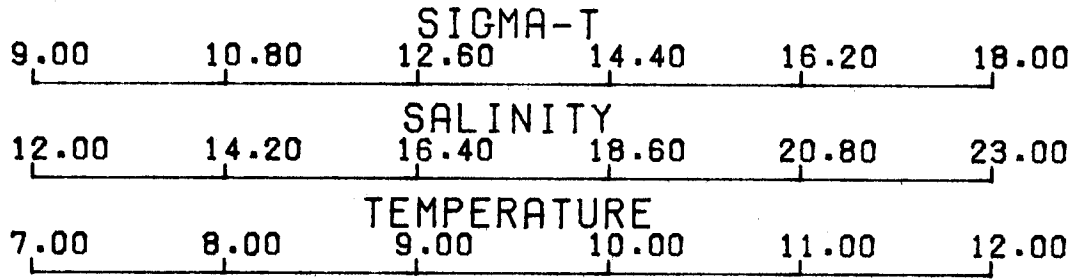
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6006 VISIT NUM 1 CONSECUTIVE NUM 183  
 LATITUDE 53 DEGREES 49.10 MINUTES  
 LONGITUDE 79 DEGREES 8.43 MINUTES  
 SOUNDING 13.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 340 DEG  
 TEMP DRY 9.0 C TEMP WET 5.6 C  
 PRESSURE 1026.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
2010	0.0	12.100		
2011	1.0	11.870	8.723	16.342
2011	2.0	9.640	18.634	14.309
2012	4.0	8.440	20.372	16.200
2012	6.0	7.370	22.387	17.507
2012	8.0	7.250	22.464	17.581
2013	10.0	7.200	22.496	17.612
2013	12.0	7.060	22.587	17.698

S

STATION NO. 6007 1 184 MONTH 8 DAY 23



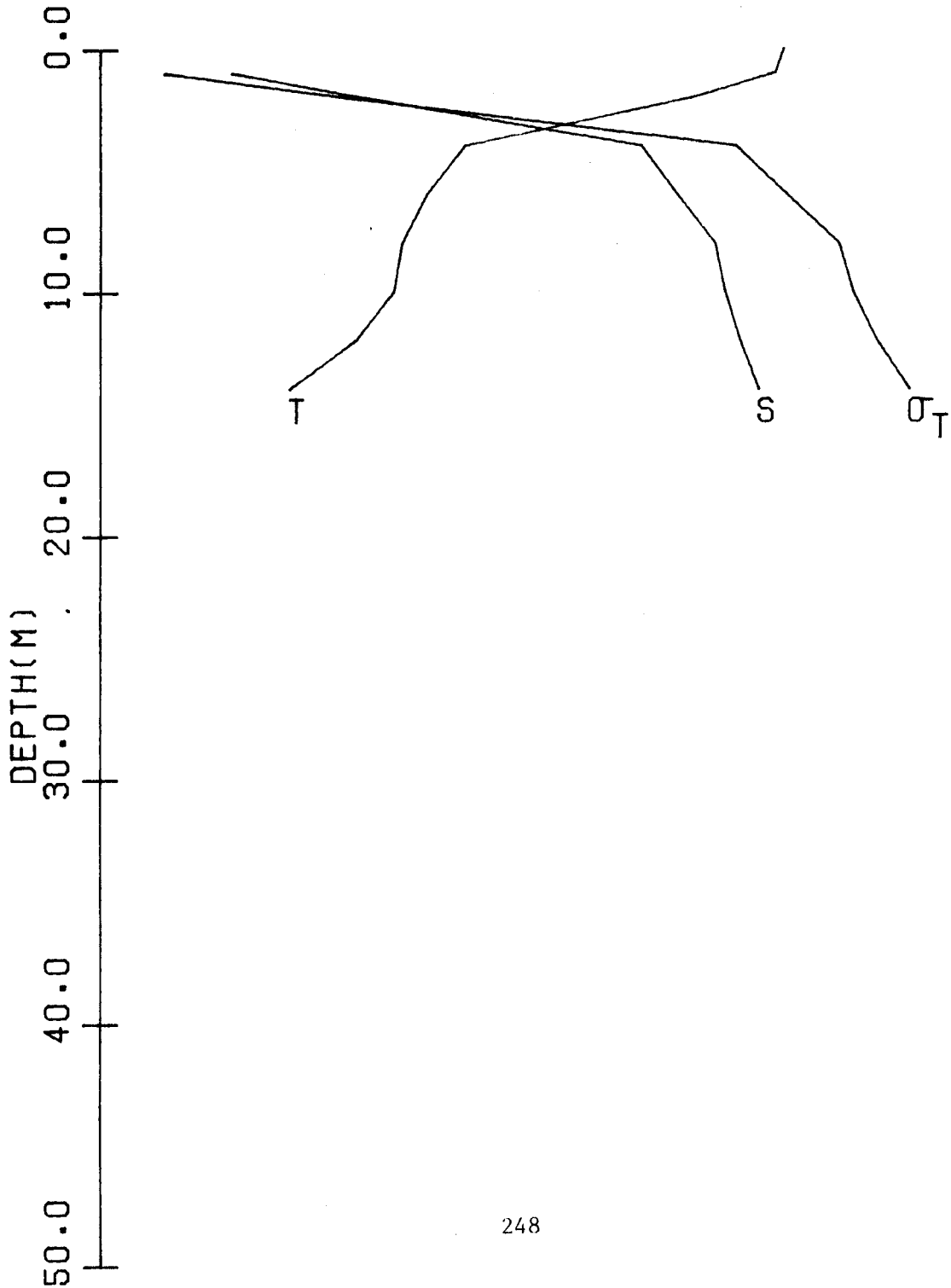
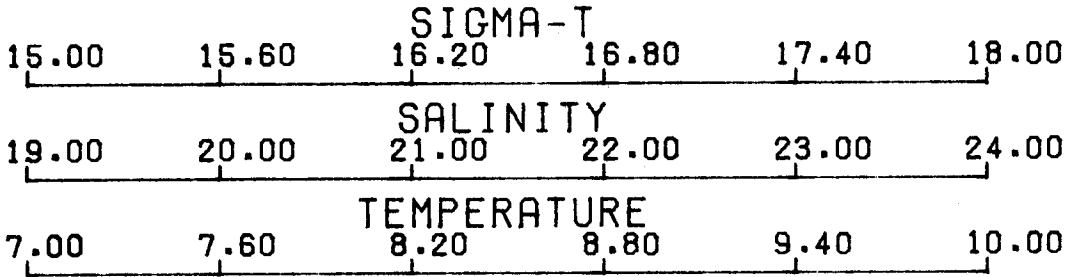
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6007 VISIT NUM 1 CONSECUTIVE NUM 184  
 LATITUDE 53 DEGREES 48.16 MINUTES  
 LONGITUDE 79 DEGREES 10.75 MINUTES  
 SOUNDING 12.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUIDELINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 340 DEG  
 TEMP DRY 9.0 C TEMP WET 5.6 C  
 PRESSURE 1026.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2028	0.0	11.100		
2028	1.0	11.090	12.699	9.520
2028	2.0	8.470	21.651	16.803
2028	4.0	8.200	22.074	17.166
2029	6.0	8.120	22.258	17.319
2029	8.0	7.750	22.714	17.716
2029	10.0	7.790	22.775	17.762

S

STATION NO. 6008 1 185 MONTH 8 DAY 23



AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6008 VISIT NUM 1 CONSECUTIVE NUM 185  
 LATITUDE 53 DEGREES 48.00 MINUTES  
 LONGITUDE 79 DEGREES 12.50 MINUTES  
 SOUNDING 16.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

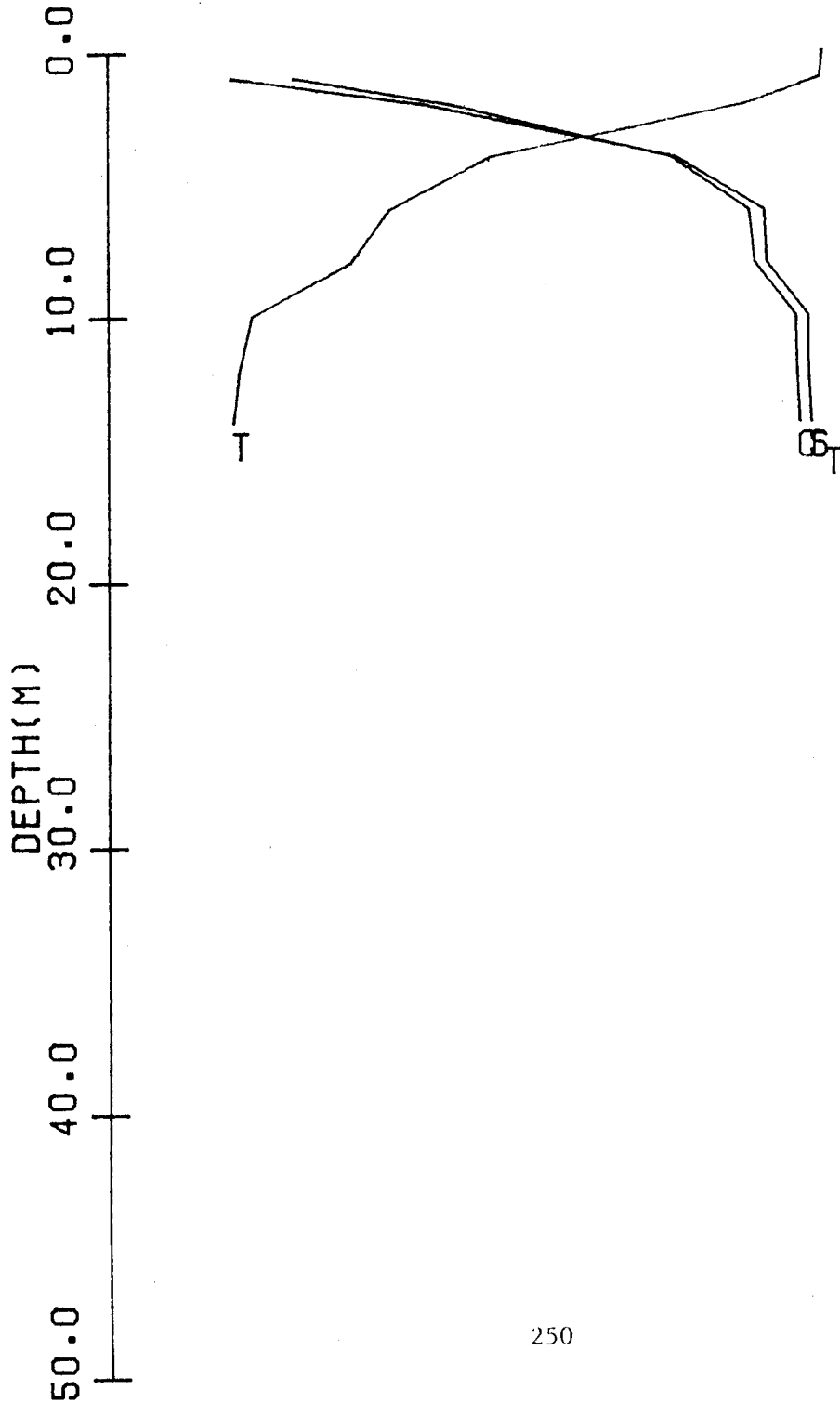
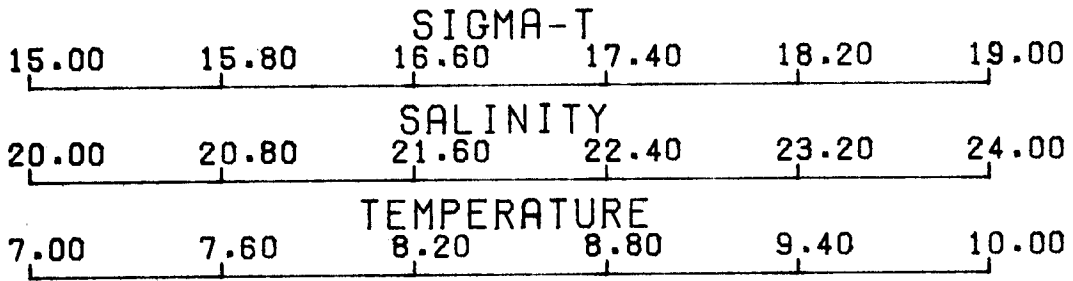
PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 340 DEG  
 TEMP DEPT 9.0 C TEMP WET 5.6 C  
 PRESSURE 1026.9 M DAF WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2043	0.0	9.500		
2044	1.0	9.470	19.800	15.236
2045	2.0	9.170	20.596	15.894
2045	4.0	8.330	22.299	17.325
2046	6.0	8.190	22.517	17.513
2046	8.0	8.100	22.749	17.704
2047	10.0	8.070	22.911	17.756
2047	12.0	7.930	22.902	17.844
2048	14.0	7.690	23.016	17.962

S



STATION NO. 6161 1 186 MONTH 8 DAY 23

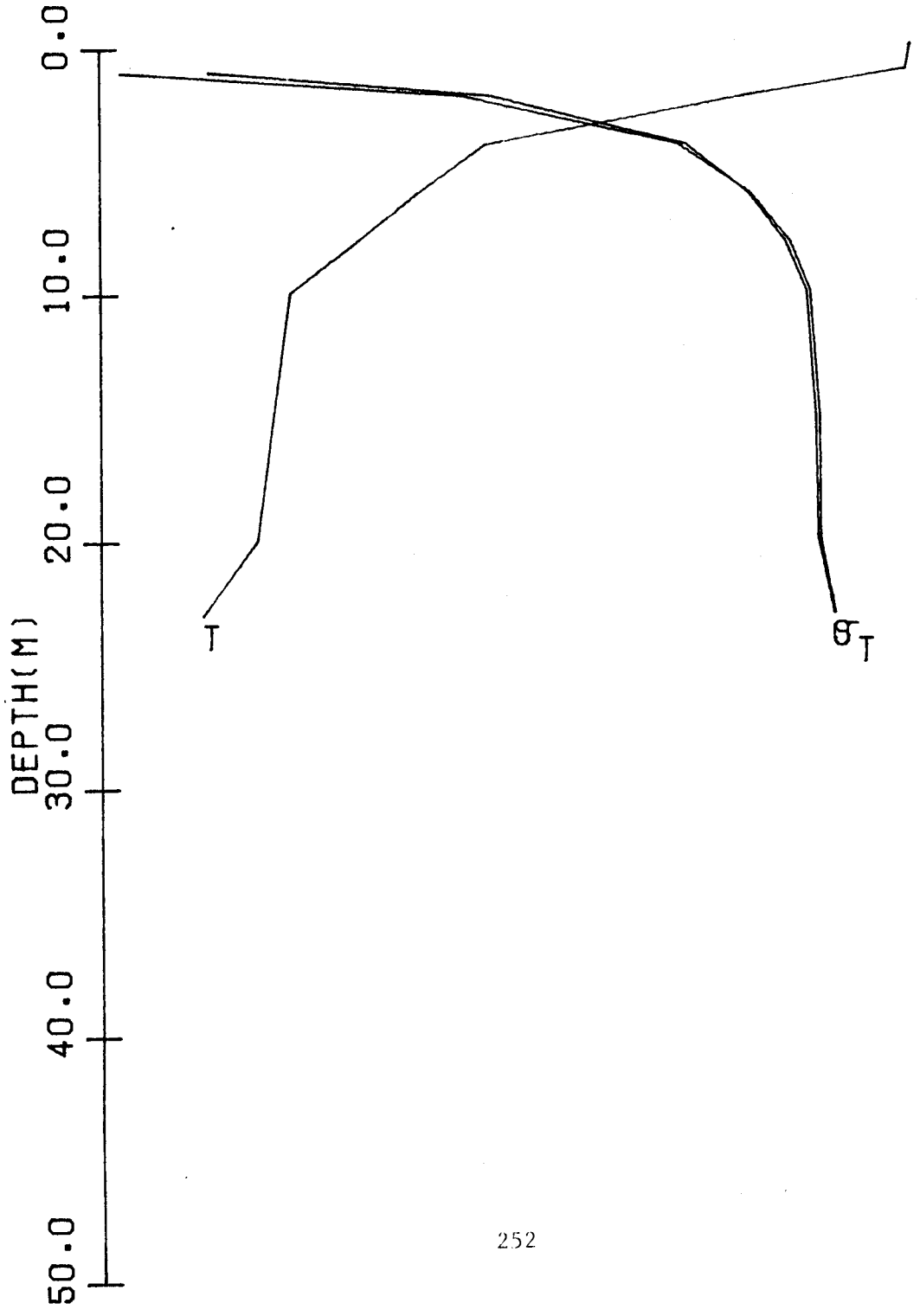
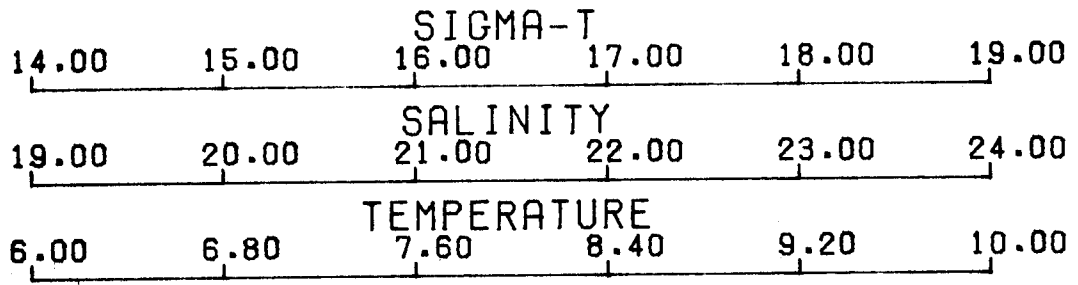


AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6161 VISIT NUM 1 CONSECUTIVE NUM 186  
 LATITUDE 53 DEGREES 46.10 MINUTES  
 LONGITUDE 79 DEGREES 17.70 MINUTES  
 SOUNDING 16.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 340 DEG  
 TEMP DRY 9.0 C TEMP WET 5.6 C  
 PRESSURE 1026.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2113	0.0	9.400		
2114	1.0	9.390	20.554	18.832
2114	2.0	9.140	21.414	18.834
2115	4.0	8.280	22.547	17.525
2115	6.0	7.940	22.942	17.874
2115	8.0	7.810	22.951	17.897
2115	10.0	7.480	23.137	18.081
2116	12.0	7.440	23.138	18.086
2116	14.0	7.420	23.151	18.099

STATION NO. 6162 1 187 MONTH 8 DAY 23



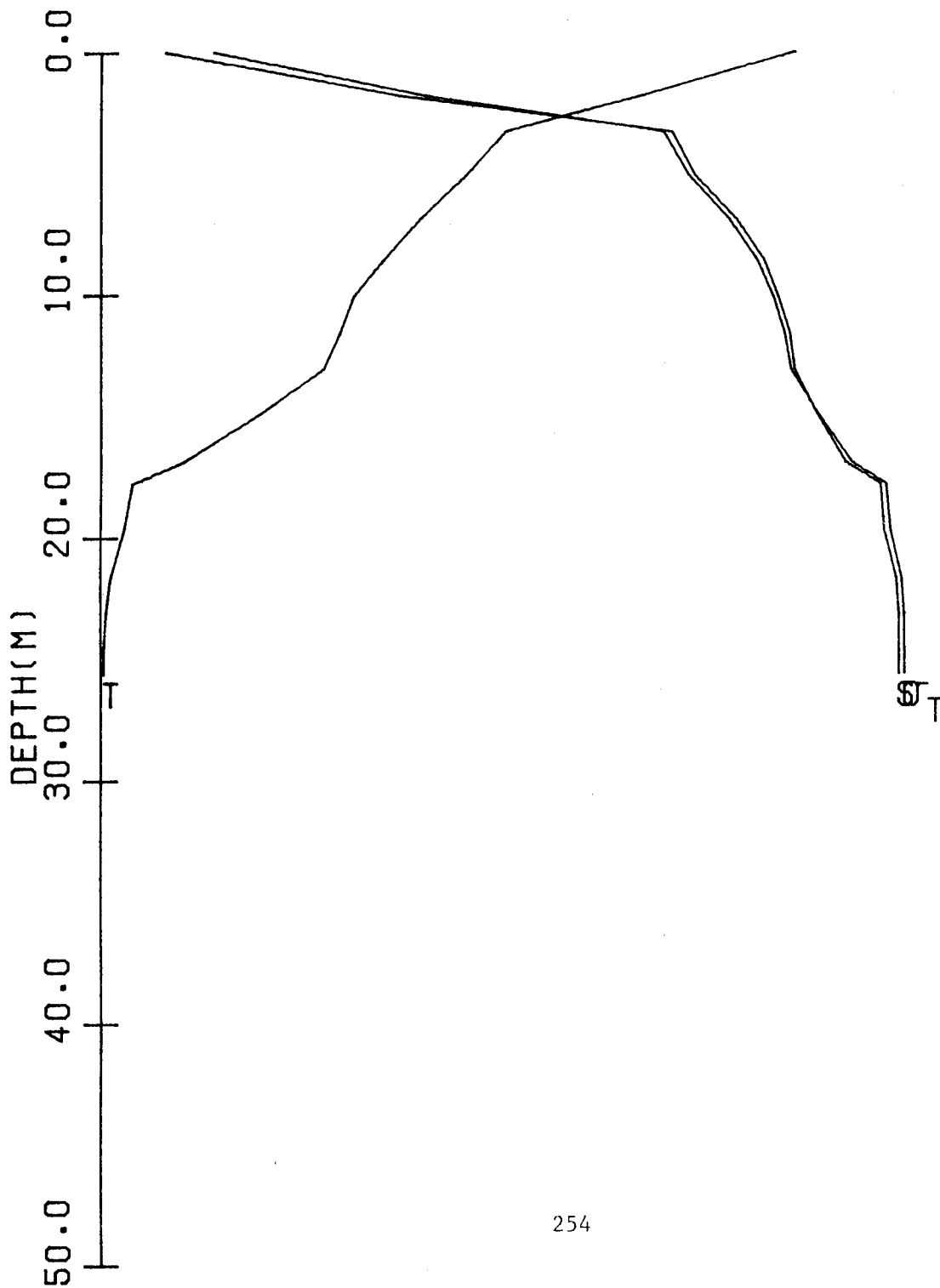
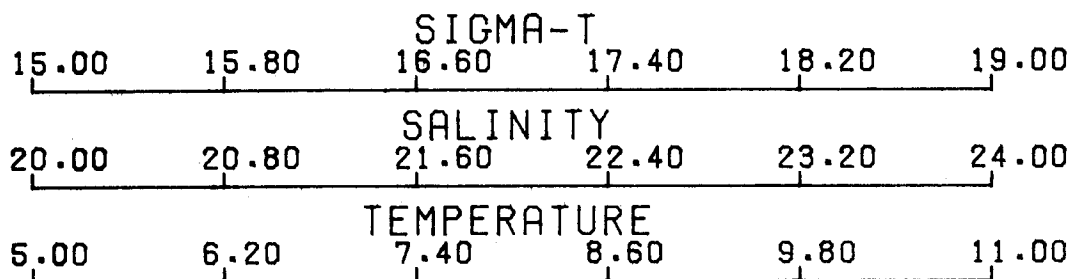
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6162 VISIT NUM 1 CONSECUTIVE NUM 197  
 LATITUDE 53 DEGREES 46.10 MINUTES  
 LONGITUDE 79 DEGREES 17.00 MINUTES  
 SOUNDING 25.0 METRES SNOW THICKNESS 0M  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUIDELINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 340 DEG  
 TEMP DRY 9.0 C TEMP WET 5.6 C  
 PRESSURE 1026.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2135	0.0	9.900		
2136	1.0	9.830	19.124	14.658
2136	2.0	9.130	21.157	16.343
2136	4.0	7.850	22.475	17.521
2137	6.0	7.520	22.910	17.899
2137	8.0	7.220	23.153	18.123
2137	10.0	6.910	23.271	18.250
2138	15.0	5.830	23.324	18.300
2138	20.0	6.750	23.331	18.314
2138	23.0	6.490	23.417	18.409

S

STATION NO. 6164 1 188 MONTH 8 DAY 23



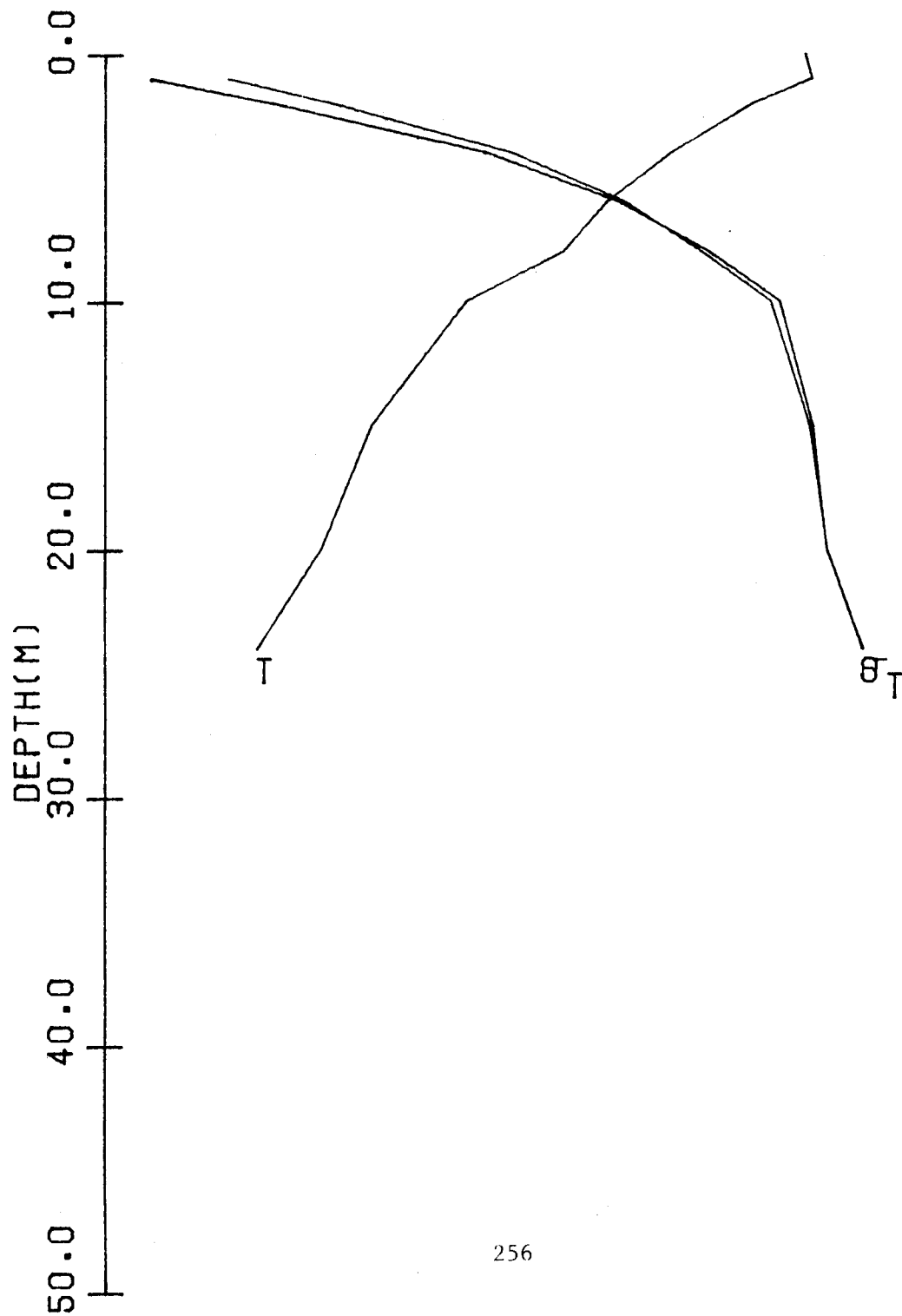
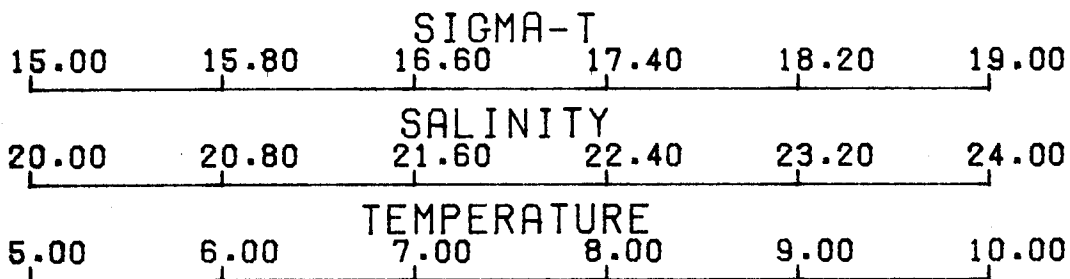
AREA SQUARE NUM 52076  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6164 VISIT NUM 1 CONSECUTIVE NUM 188  
 LATITUDE 53 DEGREES 48.10 MINUTES  
 LONGITUDE 79 DEGREES 27.00 MINUTES  
 SOUNDING 27.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 220 DEG  
 TEMP DRY 8.3 C TEMP WET 5.9 C  
 PRESSURE 1025.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
2222	0.0	10.400	20.316	15.552
2225	1.8	8.980	21.455	16.586
2225	3.3	7.970	22.800	17.760
2225	5.1	7.680	23.312	17.882
2225	6.9	7.340	23.115	18.080
2225	8.6	7.070	23.251	18.217
2225	10.1	6.850	23.321	18.296
2225	11.6	6.750	23.377	18.350
2225	13.1	6.630	23.401	18.382
2226	14.9	6.6170	23.512	18.517
2226	16.9	6.6000	23.554	18.684
2226	17.8	6.5230	23.823	18.884
2226	19.7	6.5170	23.841	18.970
2226	21.7	6.070	23.900	18.996
2226	23.1	6.040	23.911	18.996
2226	24.7	5.020	23.911	18.996
2226	25.6	5.020	23.911	18.996

S

STATION NO. 6163 1 189 MONTH 8 DAY 23



AREA SQUARE NUM 52075  
 DATE 8 MONTH 23 DAY  
 STATION NUM 6163 VISIT NUM 1 CONSECUTIVE NUM 189  
 LATITUDE 53 DEGREES 46.10 MINUTES  
 LONGITUDE 79 DEGREES 21.00 MINUTES  
 SOUNDING 25.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

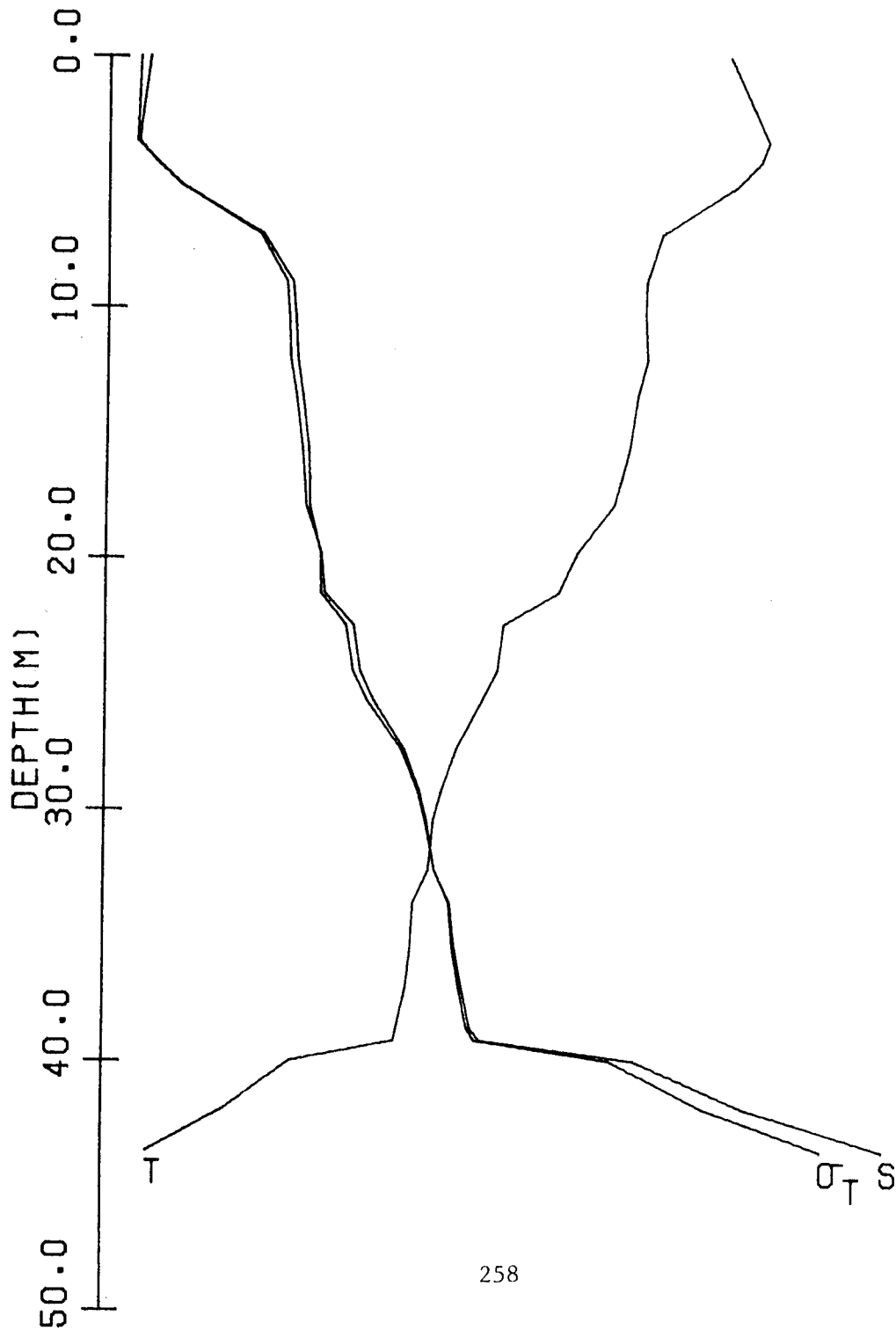
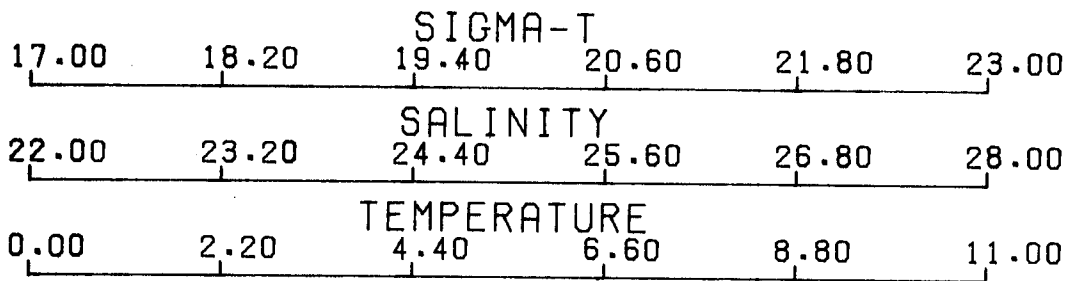
PROFILE NUM 1  
 WIND SPEED KNTS WIND DIR DEG  
 TEMP DRY 7.0 C TEMP WET 5.4 C  
 PRESSURE 1024.9 H BAR WAVE HEIGHT M  
 SWELL HEIGHT 1.5 M SWELL DIR 310 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2315	0.0	9.200		
2316	1.0	9.240	20.221	15.593
2316	2.0	8.880	20.807	16.095
2316	4.0	8.390	21.829	16.952
2317	6.0	8.000	22.465	17.495
2317	8.0	7.740	22.897	17.863
2317	10.0	7.160	23.237	18.196
2318	15.0	6.590	23.397	18.383
2318	20.0	6.290	23.464	18.467
2318	24.0	5.910	23.635	18.639

S



STATION NO. 6165 1 190 MONTH 8 DAY 24



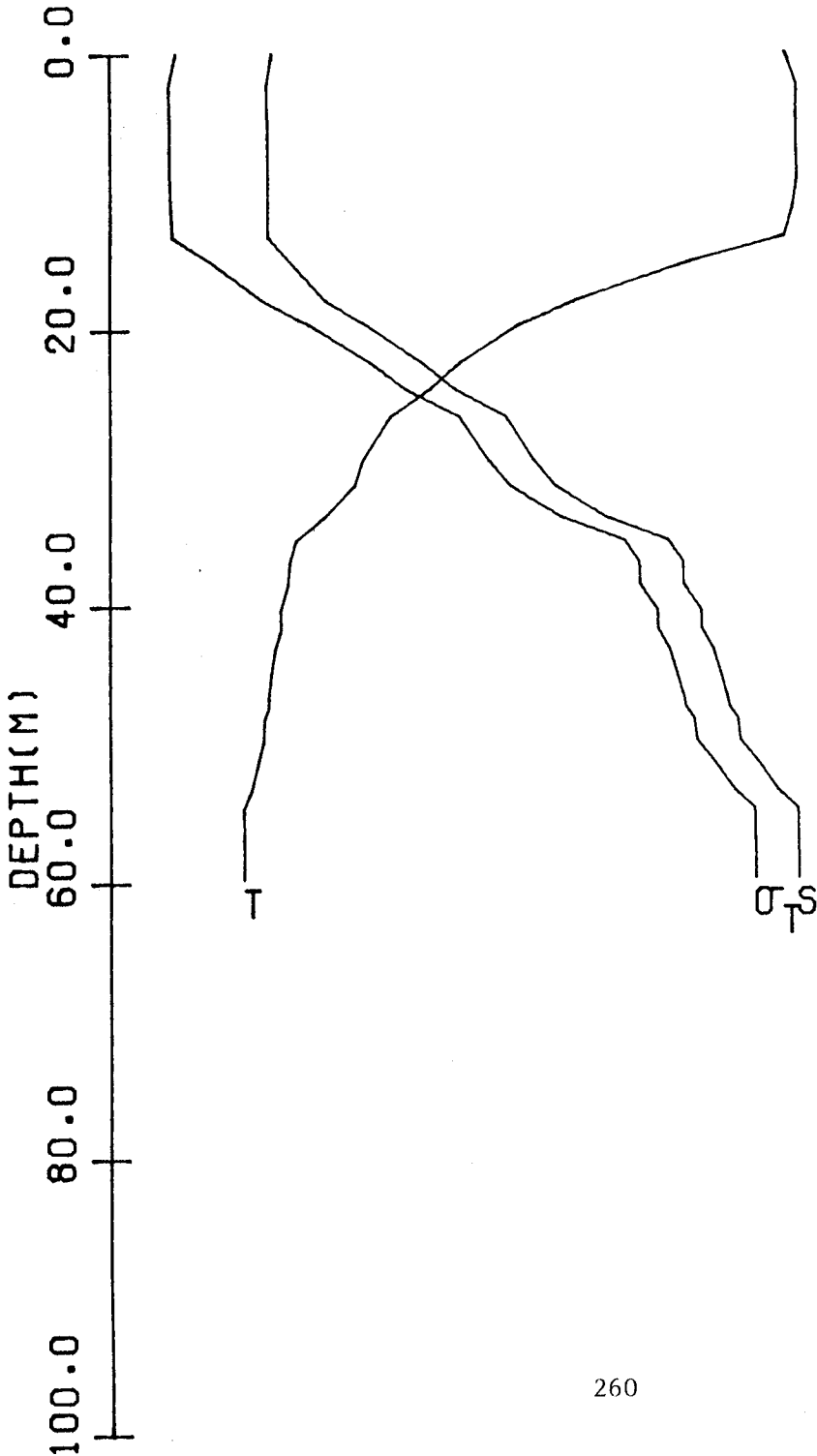
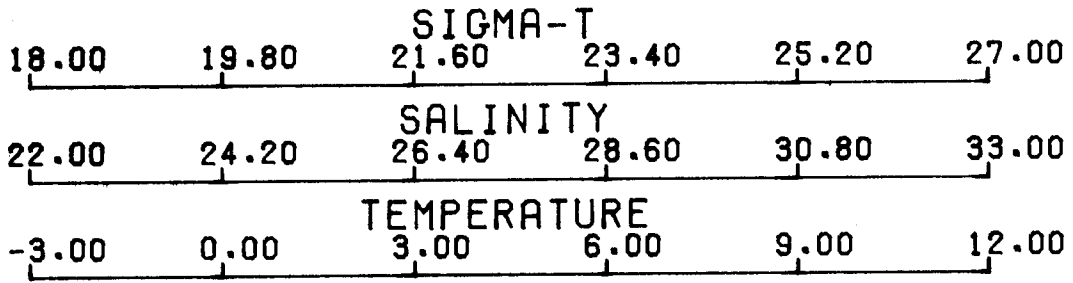
AREA SQUARE NUM 52076  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6165 VISIT NUM 1 CONSECUTIVE NUM 190  
 LATITUDE 53 DEGREES 46.10 MINUTES  
 LONGITUDE 79 DEGREES 36.30 MINUTES  
 SOUNDING 44.0 METRES SNOW THICKNESS CM  
 ICF THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 200 DEG  
 TEMP DRY 7.0 C TEMP WET 5.4 C  
 PRESSURE 1024.9 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 180 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
015	0.0	8.100	22.216	17.280
018	3.4	8.610	22.195	17.2009
018	4.2	8.510	22.333	17.329
018	5.2	8.190	22.525	17.519
018	7.1	7.220	23.095	18.078
018	9.0	7.020	23.309	18.268
018	10.3	7.010	23.330	18.285
018	12.1	7.040	23.349	18.297
018	13.5	6.920	23.385	18.338
018	15.6	6.820	23.429	18.383
018	16.8	6.720	23.438	18.401
018	17.9	6.620	23.440	18.414
019	19.8	5.150	23.524	18.526
019	21.4	5.910	23.526	18.553
019	22.7	5.190	23.707	18.763
019	24.5	5.120	23.757	18.808
019	25.7	4.920	23.864	18.910
019	27.6	4.590	24.108	19.130
019	29.2	4.410	24.227	19.239
019	30.4	4.300	24.284	19.293
019	32.4	4.240	24.352	19.351
019	33.7	4.040	24.464	19.455
019	35.9	4.010	24.499	19.488
019	37.1	3.950	24.555	19.534
019	38.7	3.830	24.617	19.592
019	39.2	3.800	24.685	19.648
020	40.0	2.440	25.787	20.613
020	41.0	1.590	26.567	21.281
020	43.6	.580	27.565	22.124

S

STATION NO. 6166 1 191 MONTH 8 DAY 24



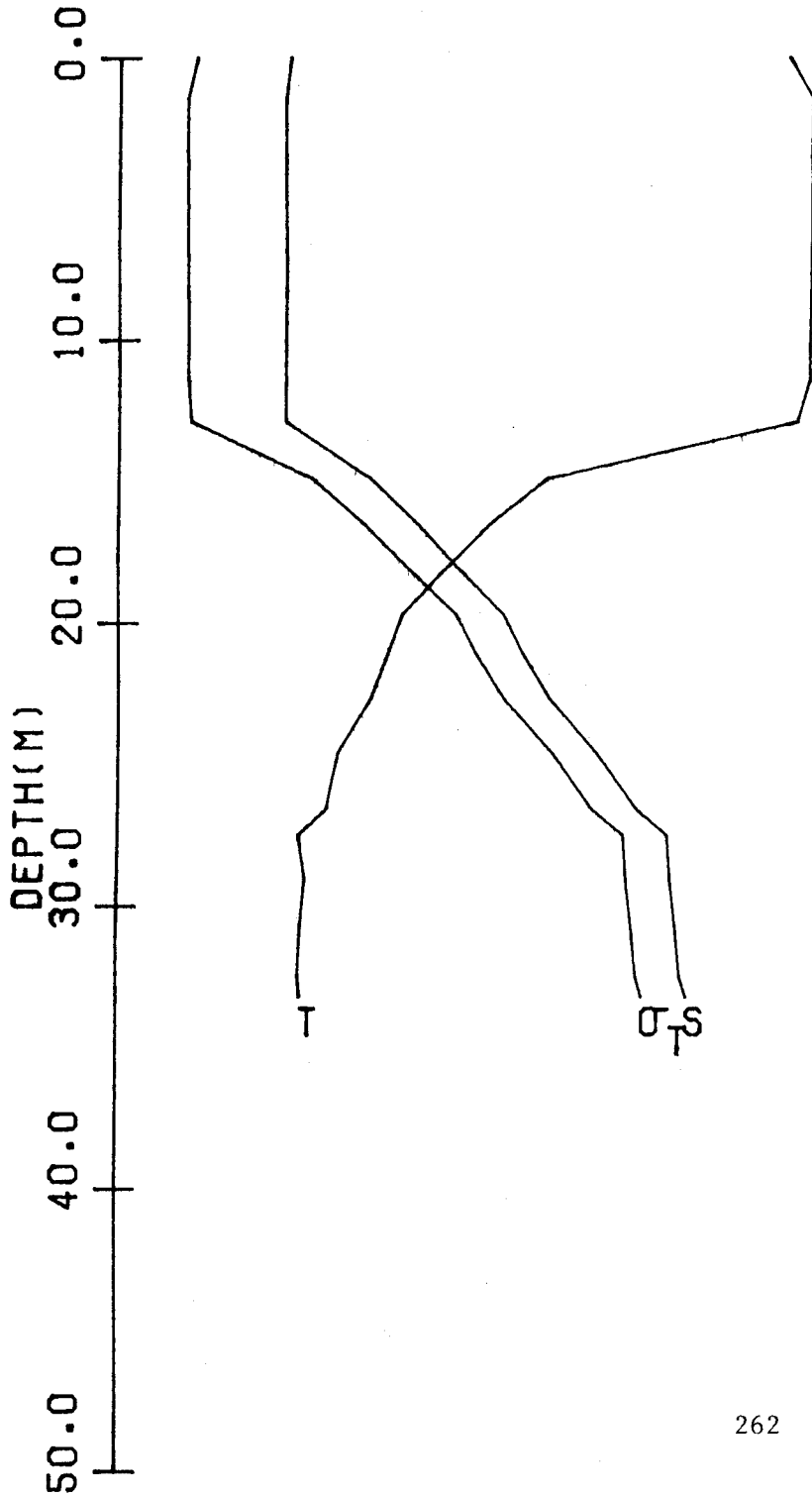
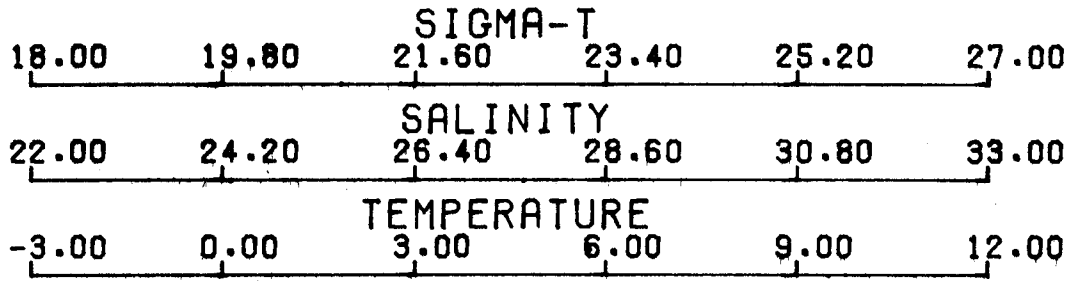
AREA SQUARE NUM 52076  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6166 VISIT NUM 1 CONSECUTIVE NUM 191  
 LATITUDE 53 DEGREES 46.05 MINUTES  
 LONGITUDE 79 DEGREES 54.37 MINUTES  
 SOUNDING 65.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 180 DEG  
 TEMP DRIFT 7.3 C TEMP WET 6.2 C  
 PRESSURE 1025.4 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
157	0.0	7.900	23.318	18.641
159	2.3	8.090	23.359	18.672
159	4.4	8.070	23.362	18.676
159	6.8	8.080	23.365	18.677
159	9.0	8.090	23.368	18.679
160	11.1	8.020	23.368	18.687
160	13.3	7.880	23.358	18.684
160	15.1	6.340	24.129	18.983
160	17.0	4.510	24.533	19.477
160	19.7	3.570	25.029	19.938
160	22.4	2.620	25.688	20.524
160	24.3	2.150	26.069	20.854
200	26.3	1.510	26.633	21.378
200	29.4	1.070	27.005	21.655
200	31.3	.930	27.262	21.867
200	33.3	.450	27.354	22.369
200	35.3	.010	27.605	22.980
200	36.9	.110	27.741	23.125
200	38.8	.140	27.741	23.126
200	40.4	.260	27.992	23.299
211	41.7	.250	28.995	23.301
211	43.2	.350	29.133	23.415
211	44.0	.410	29.217	23.483
211	46.3	.450	29.297	23.550
211	47.4	.450	29.326	23.572
211	48.2	.520	29.421	23.652
211	49.8	.540	29.454	23.679
222	51.2	.620	29.659	23.847
222	53.4	.740	29.905	24.046
222	54.7	.860	30.133	24.240
222	56.6	.850	30.141	24.242
222	58.6	.850	30.149	24.248
222	59.7	.850	30.150	24.249

S

STATION NO. 6167 1 192 MONTH 8 DAY 24



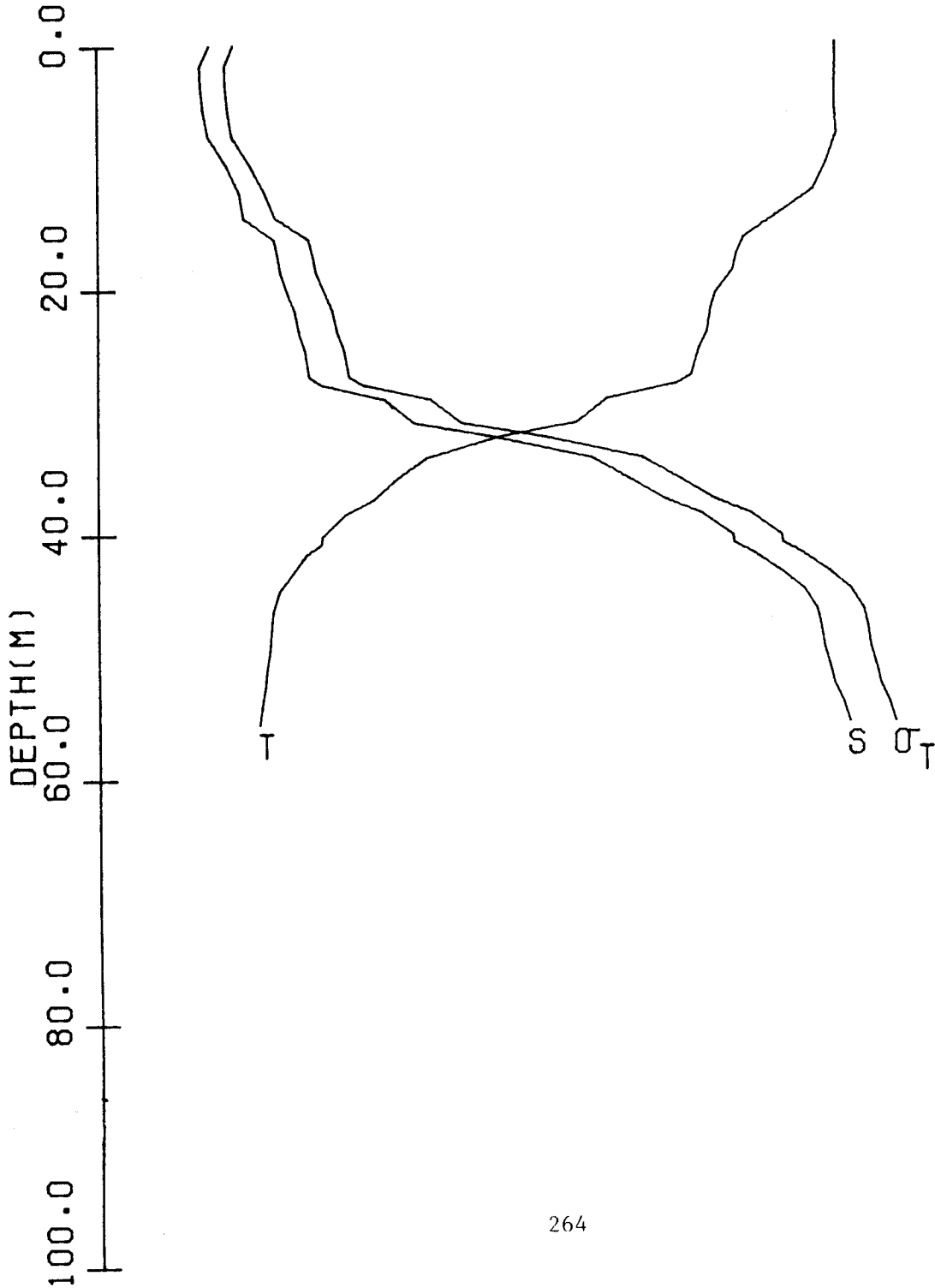
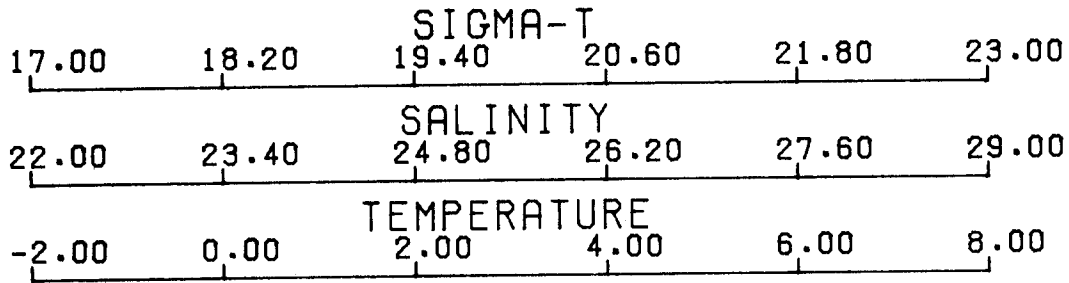
AREA SQUARE NUM 52080  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6167 VISIT NUM 1 CONSECUTIVE NUM 192  
 LATITUDE 53 DEGREES 45.75 MINUTES  
 LONGITUDE 80 DEGREES 26.50 MINUTES  
 SOUNDING 31.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 190 DEG  
 TEMP DRY 7.4 C TEMP WET 6.2 C  
 PRESSURE 1022.7 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 180 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
327	0.0	7.600	23.973	18.720
329	1.5	7.960	23.916	18.632
329	3.0	7.940	23.917	18.635
329	4.5	7.950	23.920	18.636
329	6.0	7.940	23.926	18.642
329	7.5	7.930	23.929	18.646
329	9.0	7.920	23.929	18.647
329	10.5	7.920	23.933	18.675
329	12.0	7.720	24.918	19.837
329	14.0	3.750	25.429	20.300
329	16.0	2.900	25.975	20.782
329	18.0	2.110	26.460	21.201
329	19.5	1.480	26.686	21.392
329	21.0	1.260	26.997	21.652
330	22.5	.990	27.541	22.109
330	24.0	.480	28.013	22.494
330	26.0	.230	28.365	22.791
330	27.5	-.140	28.698	22.915
330	29.0	-.040	28.463	22.869
330	30.0	-.110	28.514	22.911
330	32.0	-.150	28.586	22.968
330	33.0	-.120		

S

STATION NO. 6174 1 193 MONTH 8 DAY 24



AREA SQUARE NUM 52076  
 DATE 9 MONTH 24 DAY  
 STATION NUM 6174 VISIT NUM 1 CONSECUTIVE NUM 193  
 LATITUDE 53 DEGREES 42.00 MINUTES  
 LONGITUDE 79 DEGREES 40.50 MINUTES  
 SOUNDING 65.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

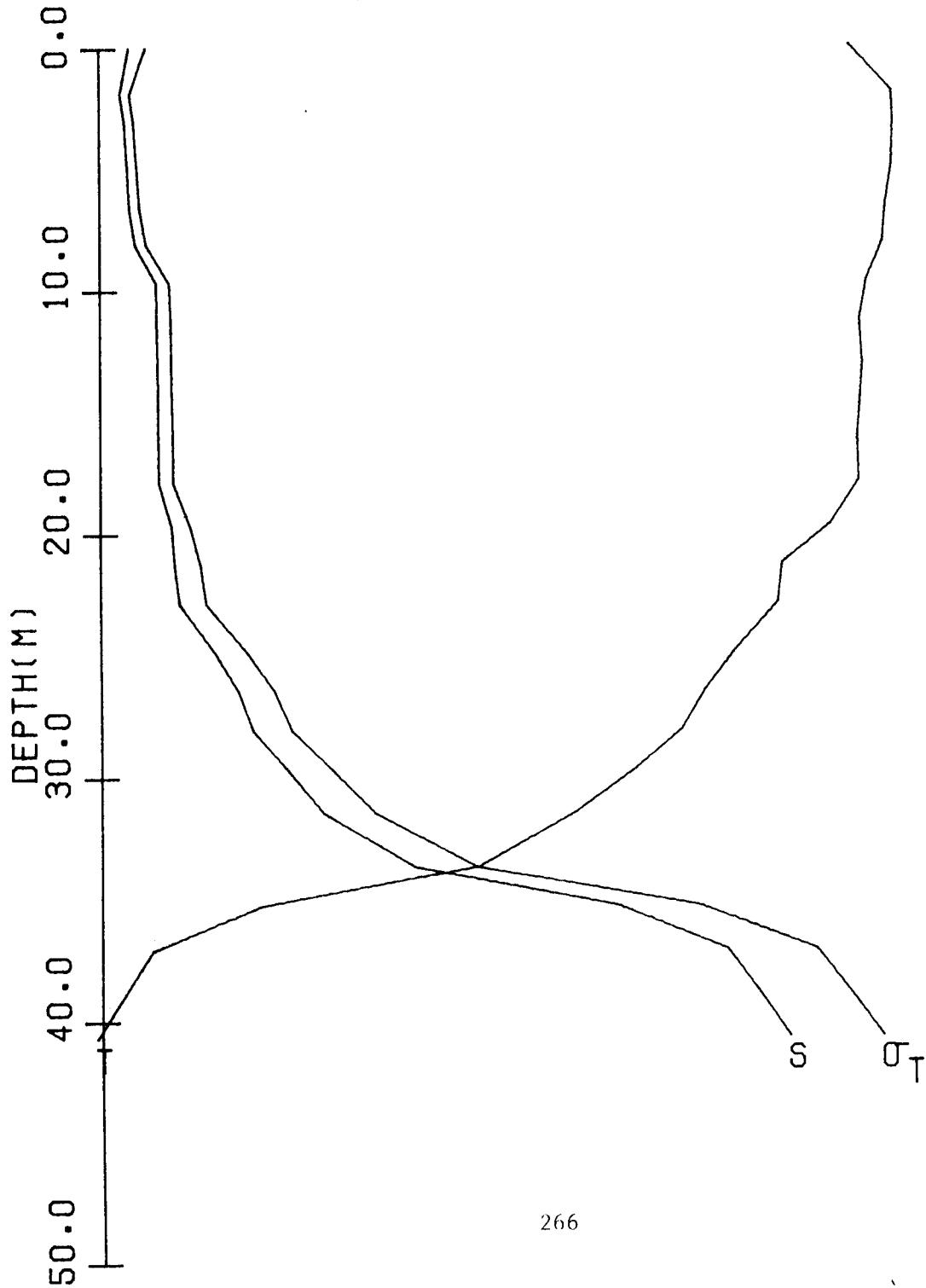
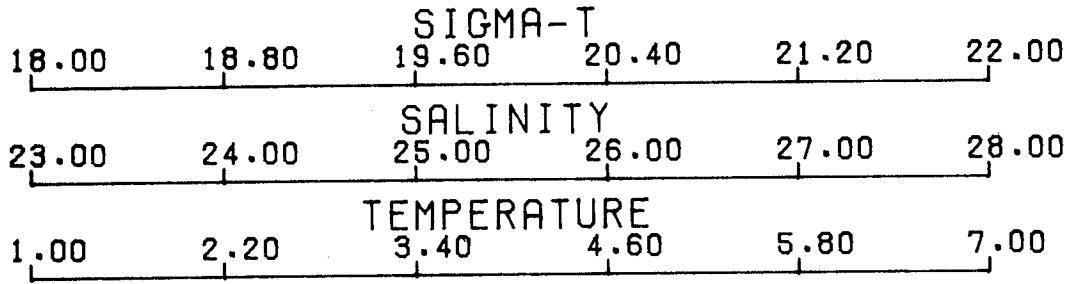
PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 210 DEG  
 TEMP DRIFT 7.0 C TEMP WFT 5.8 C  
 PRESSURE 1021.5 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 1

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
613	0.0	7.000	22.953	17.991
615	1.7	7.000	22.874	17.992
615	3.3	6.990	22.980	17.993
615	5.0	6.990	22.902	17.995
615	7.5	7.010	22.943	17.982
615	9.0	6.880	23.098	18.118
615	12.1	6.720	23.205	18.219
615	14.2	6.260	23.243	18.296
615	16.0	5.870	23.500	18.537
616	17.3	5.780	23.528	18.567
616	18.7	5.730	23.551	18.590
616	20.5	5.520	23.616	18.661
616	21.8	5.460	23.559	18.708
616	23.6	5.420	23.709	18.744
616	25.0	5.320	23.756	18.790
616	27.2	5.220	23.790	18.826
616	27.9	5.030	23.903	18.931
616	29.1	4.190	24.432	19.419
616	31.7	3.820	24.684	19.646
616	32.2	2.860	25.377	20.262
616	33.9	1.980	26.205	20.972
616	35.6	1.620	26.519	21.241
616	37.3	1.330	26.330	21.504
616	38.7	.990	27.138	21.765
617	40.3	.710	27.411	21.996
617	40.9	.700	27.419	22.002
617	41.8	.510	27.588	22.145
617	43.3	.350	27.927	22.343
617	44.7	.190	28.013	22.498
617	46.4	.110	28.127	22.592
618	47.7	.090	28.159	22.618
618	49.5	.070	28.189	22.643
618	51.2	.030	28.239	22.685
618	52.5	.010	28.271	22.711
618	54.0	.030	28.349	22.775
618	55.6	.060	28.493	22.819

S



STATION NO. 6173 1 194 MONTH 8 DAY 24



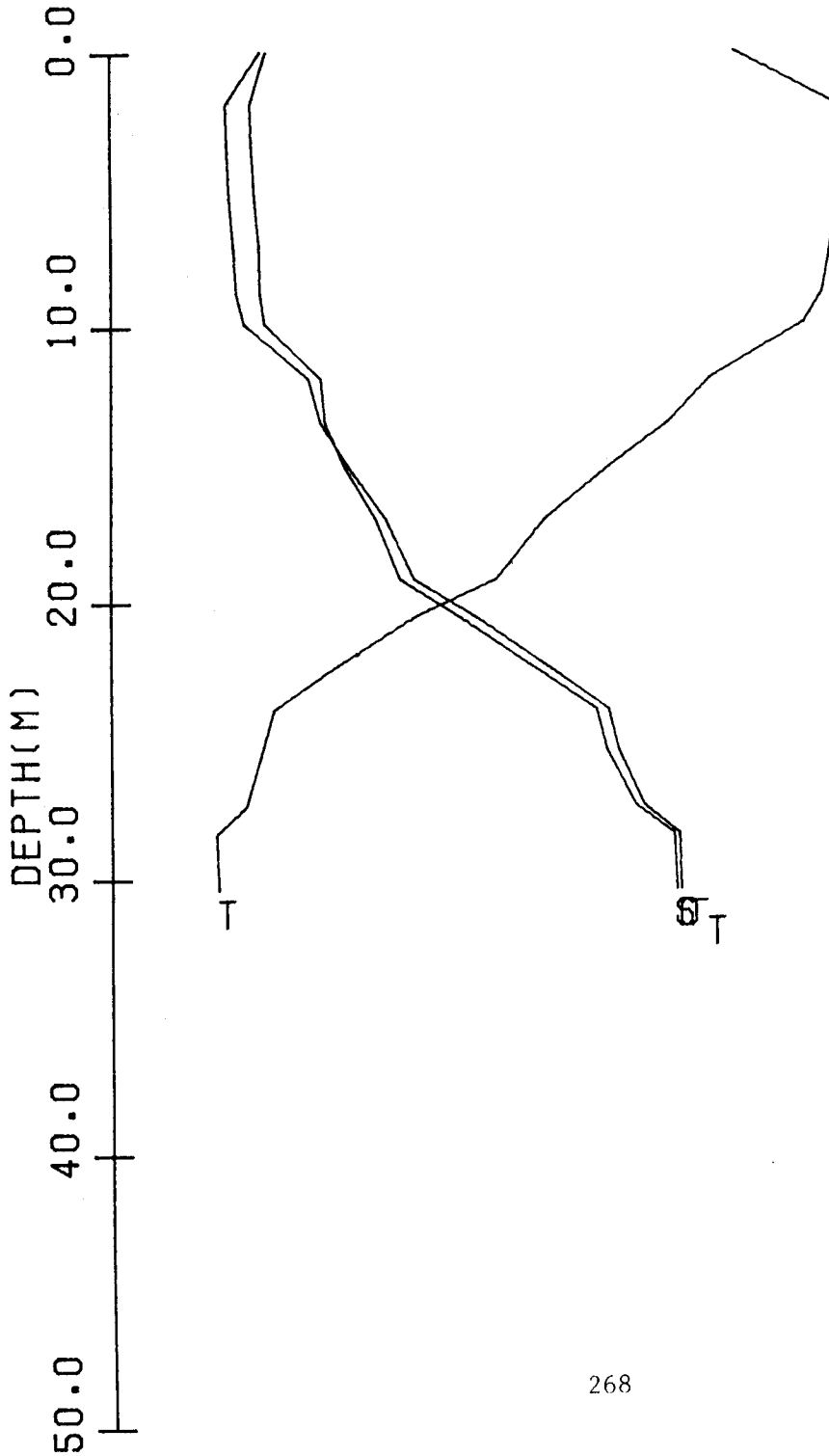
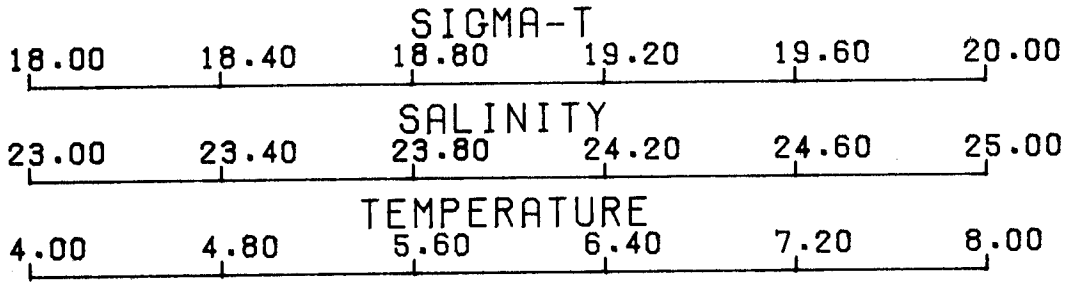
AREA SQUARE NUM 52076  
 DATE 3 MONTH 24 DAY  
 STATION NUM 6173 VISIT NUM 1 CONSECUTIVE NUM 194  
 LATITUDE 53 DEGREES 42.00 MINUTES  
 LONGITUDE 79 DEGREES 31.60 MINUTES  
 SOUNDING 51.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILOLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 21 KNTS WIND DIR 200 DEG  
 TEMP DRY 6.8 C TEMP WET 5.4 C  
 PRESSURE 1020.1 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
652	0.0	6.500	23.181	18.223
654	1.9	6.810	23.125	18.146
654	3.9	6.820	23.151	18.166
654	4.9	6.810	23.169	18.181
654	6.8	6.750	23.180	18.195
654	8.1	6.740	23.215	18.224
654	9.7	6.620	23.342	18.337
654	11.3	6.570	23.345	18.344
654	13.1	6.590	23.351	18.347
654	14.8	6.570	23.352	18.350
654	16.1	6.550	23.353	18.353
654	17.9	6.560	23.356	18.354
655	19.7	6.350	23.432	18.435
655	21.3	6.990	23.450	18.486
655	22.9	6.960	23.481	18.513
655	24.9	6.640	23.694	18.711
655	26.9	6.420	23.837	18.844
655	28.1	6.250	23.922	18.927
655	29.7	4.910	24.132	19.122
655	31.8	4.460	24.352	19.334
655	33.7	3.750	24.910	19.830
655	35.3	2.160	26.146	20.915
655	37.1	1.360	26.818	21.493
655	38.9	1.160	27.017	21.661
655	40.7	.960	27.203	21.819

S

STATION NO. 6172 1 195 MONTH 8 DAY 24

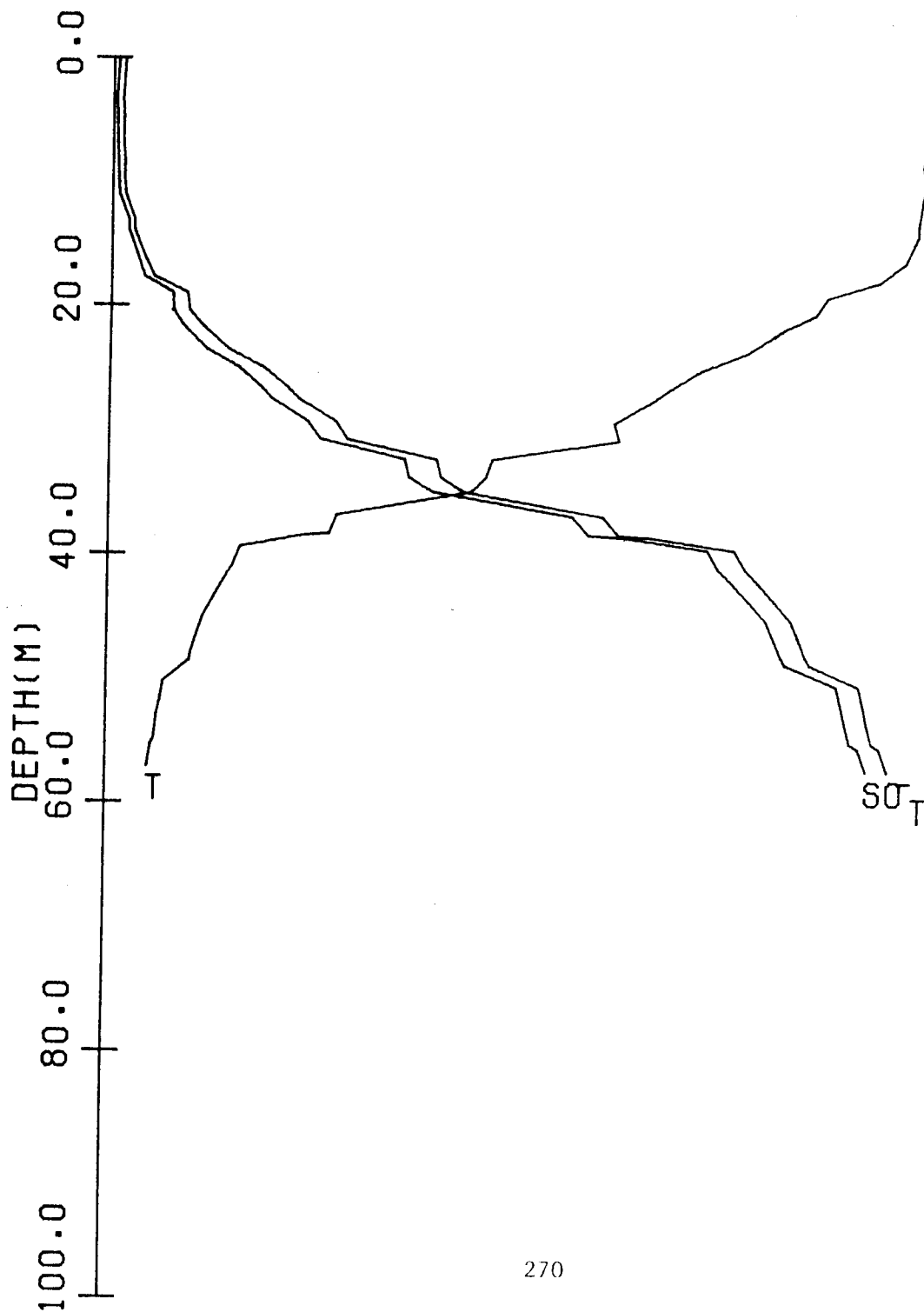
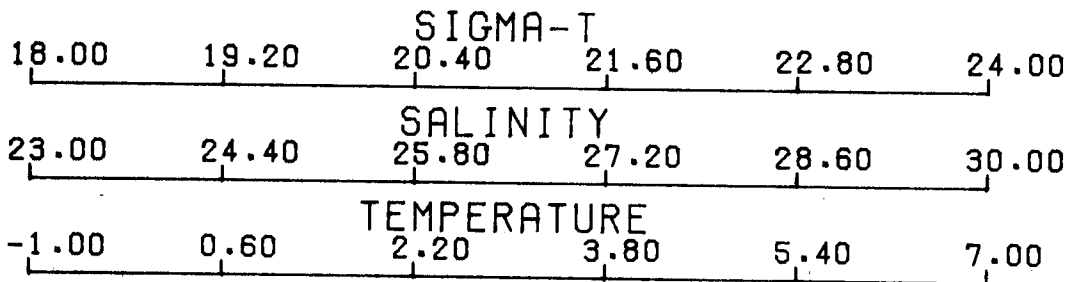


AREA SQUARE NUM 52075  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6172 VISIT NUM 1 CONSECUTIVE NUM 195  
 LATITUDE 53 DEGREES 42.00 MINUTES  
 LONGITUDE 79 DEGREES 22.50 MINUTES  
 SOUNDING 40.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNOTS WIND DIR 200 DEG  
 TEMP DRY 7.1 C TEMP WET 6.1 C  
 PRESSURE 1020.0 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT	
730	0.0	6.700	23.336	18.324	S
732	1.9	7.130	23.302	18.250	
732	3.4	7.130	23.305	18.252	
733	5.3	7.130	23.311	18.257	
733	7.0	7.120	23.320	18.265	
733	8.8	7.080	23.323	18.272	
733	9.9	7.000	23.332	18.288	
733	11.9	6.590	23.453	18.427	
733	13.5	6.410	23.461	18.452	
733	15.1	6.150	23.503	18.511	
733	17.0	5.870	23.570	18.592	
733	19.2	5.660	23.623	18.654	
733	20.5	5.320	23.746	18.782	
733	22.3	4.980	23.905	18.937	
733	23.9	4.700	24.047	19.073	
733	25.4	4.650	24.070	19.096	
733	27.4	4.580	24.133	19.151	
733	28.4	4.450	24.215	19.226	
734	30.4	4.460	24.220	19.230	

STATION NO. 6147 1 196 MONTH 8 DAY 24



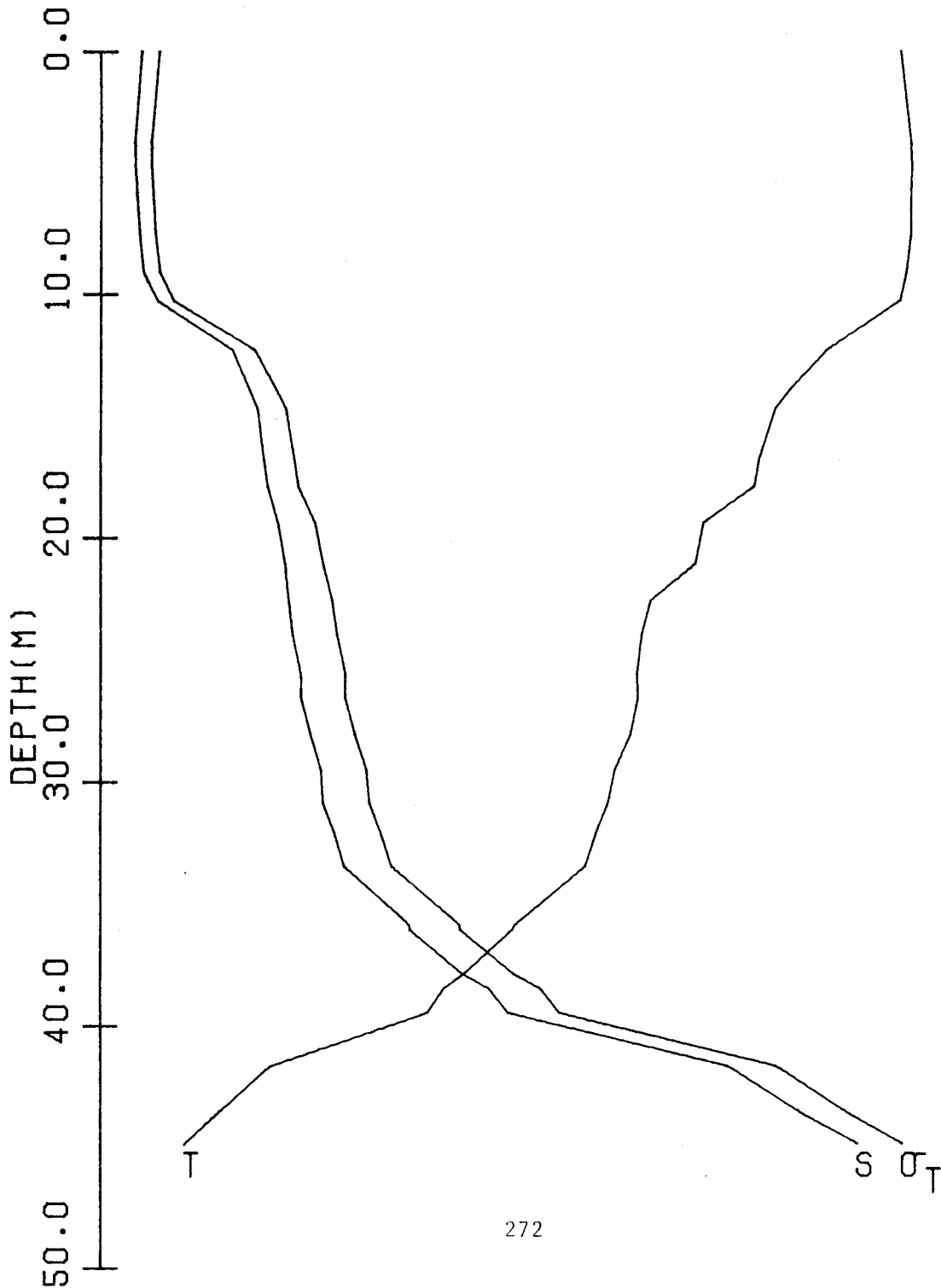
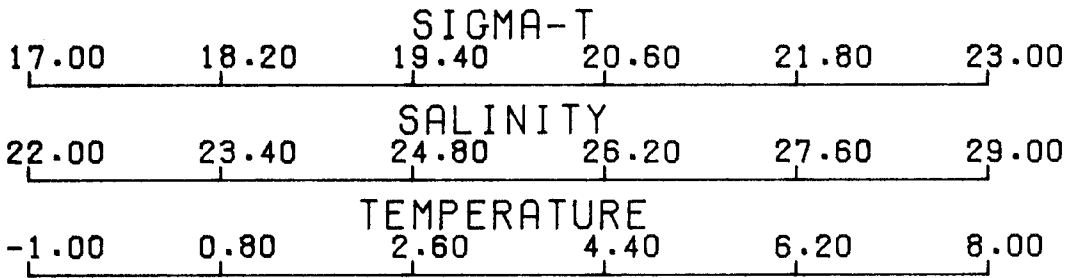
AREA SQUARE NUM 52075  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6147 VISIT NUM 1 CONSECUTIVE NUM 196  
 LATITUDE 53 DEGREES 57.20 MINUTES  
 LONGITUDE 79 DEGREES 46.90 MINUTES  
 SOUNDING 61.0 METRES SNOW THICKNESS CM  
 ICF THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 22 KNTS WIND DIR 210 DEG  
 TEMP DRY 7.4 C TEMP WET 7.0 C  
 PRESSURE 1016.7 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
936	0.0	6.800	23.043	18.083
940	3.3	6.810	23.025	18.068
940	4.9	6.810	23.033	18.074
940	6.7	6.820	23.036	18.076
940	8.3	6.790	23.043	18.084
940	9.7	6.820	23.048	18.085
940	11.0	6.790	23.036	18.095
940	13.1	6.750	23.139	18.164
940	13.9	6.750	23.139	18.164
941	16.1	6.630	23.219	18.239
941	17.7	6.360	23.274	18.308
941	19.0	6.880	23.516	18.548
941	20.4	6.770	23.523	18.564
941	21.6	6.470	23.604	18.656
941	23.3	6.120	23.804	18.845
941	25.0	4.670	24.081	19.103
941	26.6	4.360	24.271	19.278
941	27.3	4.210	24.357	19.358
941	29.0	3.840	24.658	19.624
941	30.7	3.890	24.767	19.707
941	32.3	2.670	25.478	20.354
941	33.7	2.610	25.512	20.384
941	34.9	2.470	25.713	20.553
941	36.4	1.180	26.394	21.556
942	38.3	1.110	27.033	21.676
942	38.4	.900	27.284	21.886
942	39.4	.260	28.034	22.512
942	40.9	.190	28.126	22.588
942	42.0	.110	28.240	22.683
942	43.5	.010	28.387	22.804
943	45.1	.090	28.536	22.927
943	46.4	.140	28.595	22.976
943	48.0	.200	28.665	23.034
943	48.8	.210	28.701	23.064
943	50.3	.460	29.136	23.421
943	51.7	.480	29.168	23.447
944	53.1	.520	29.205	23.478
944	54.9	.540	29.253	23.518
944	55.3	.570	29.334	23.576
944	57.1	.600	29.394	23.633

S

STATION NO. 6146 1 197 MONTH 8 DAY 24



AREA SQUARE NUM 52075  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6146 VISIT NUM 1 CONSECUTIVE NUM 197  
 LATITUDE 53 DEGREES 37.30 MINUTES  
 LONGITUDE 79 DEGREES 38.20 MINUTES  
 SOUNDING 2.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL-GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

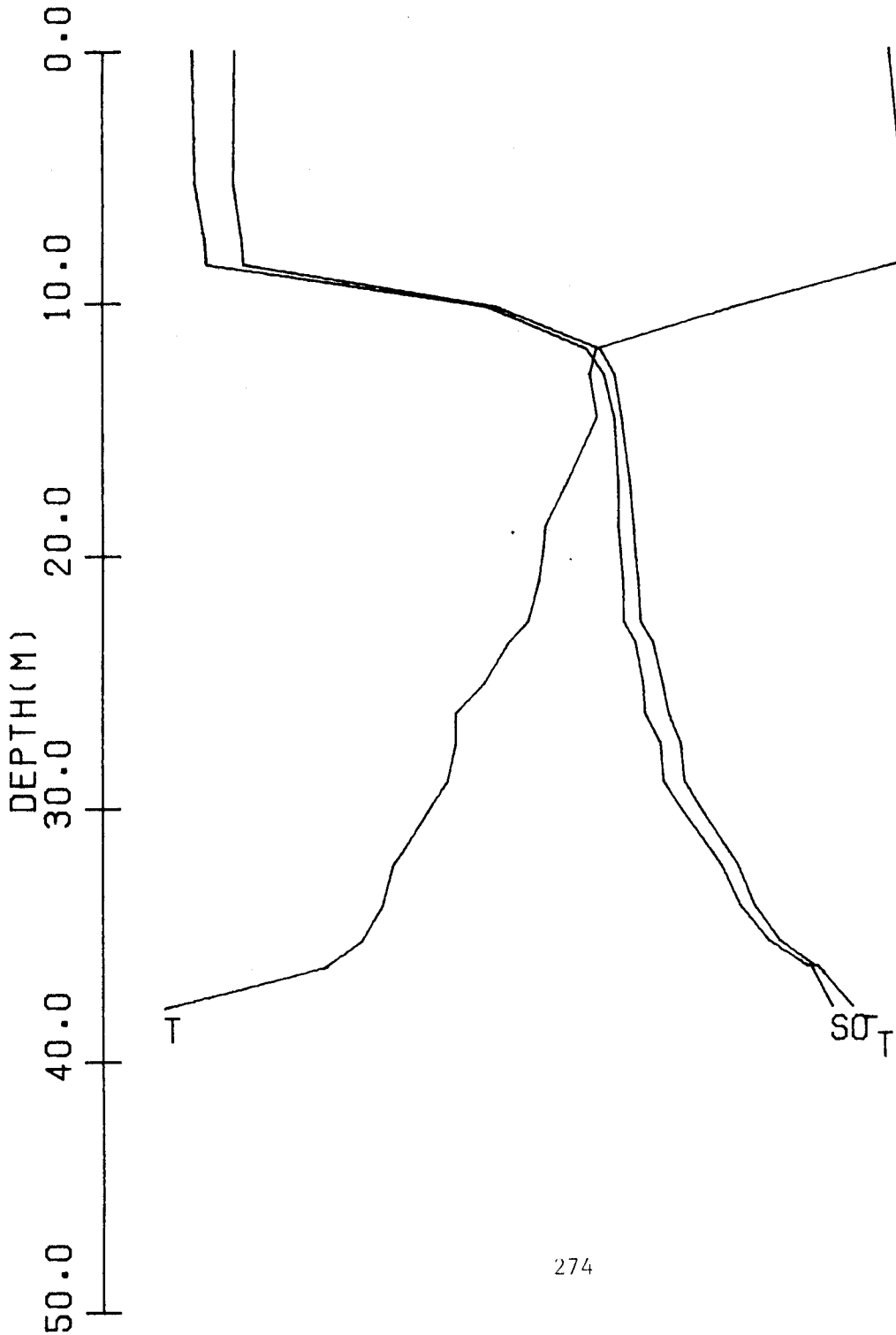
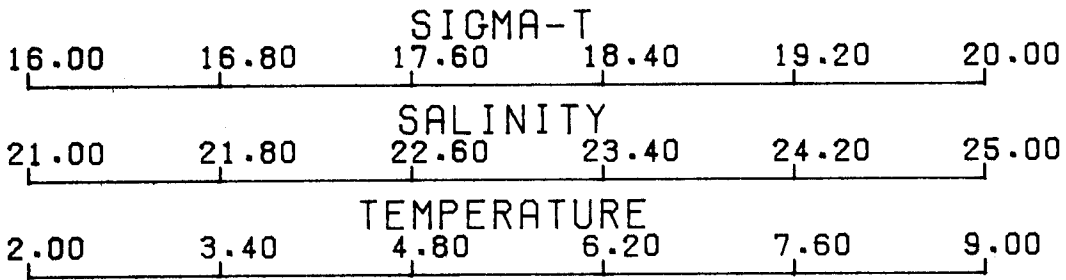
PROFILE NUM 1  
 WIND SPEED 21 KNTS WIND DIR 190 DEG  
 TEMP DRY 8.1 C TEMP WET 7.4 C  
 PRESSURE 1016.5 M BAR WAVE HEIGHT 1.3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1042	0.0	7.800	22.349	17.428
1045	3.7	7.910	22.291	17.370
1045	4.8	7.920	22.295	17.372
1045	6.1	7.910	22.312	17.386
1045	7.5	7.910	22.330	17.400
1045	9.1	7.860	22.355	17.434
1045	10.3	7.790	22.437	17.537
1045	12.3	6.990	22.124	18.126
1045	13.9	6.990	22.269	18.283
1046	14.7	6.920	22.340	18.356
1046	16.8	6.240	22.334	18.417
1046	17.9	6.190	22.428	18.449
1046	19.4	5.630	22.516	18.572
1046	21.1	5.540	22.578	18.629
1046	22.6	5.050	22.606	18.696
1046	24.0	4.950	22.640	18.731
1046	25.6	4.900	22.712	18.792
1046	26.6	4.910	22.715	18.794
1046	28.8	4.830	22.796	18.864
1046	29.9	4.660	22.883	18.947
1046	30.0	4.500	22.903	19.069
1046	32.1	4.450	22.997	19.054
1046	33.3	4.430	22.984	19.133
1046	35.5	3.680	22.559	19.554
1047	35.9	3.550	22.641	19.632
1047	36.1	3.520	22.646	19.638
1047	37.9	2.990	22.599	20.020
1047	38.2	2.770	22.531	20.221
1047	39.2	2.590	22.487	20.266
1048	41.7	2.860	22.372	21.055
1048	43.7	2.270	22.023	22.000
1048	44.0	1.040	22.483	22.084

S



STATION NO. 6145 1 198 MONTH 8 DAY 24



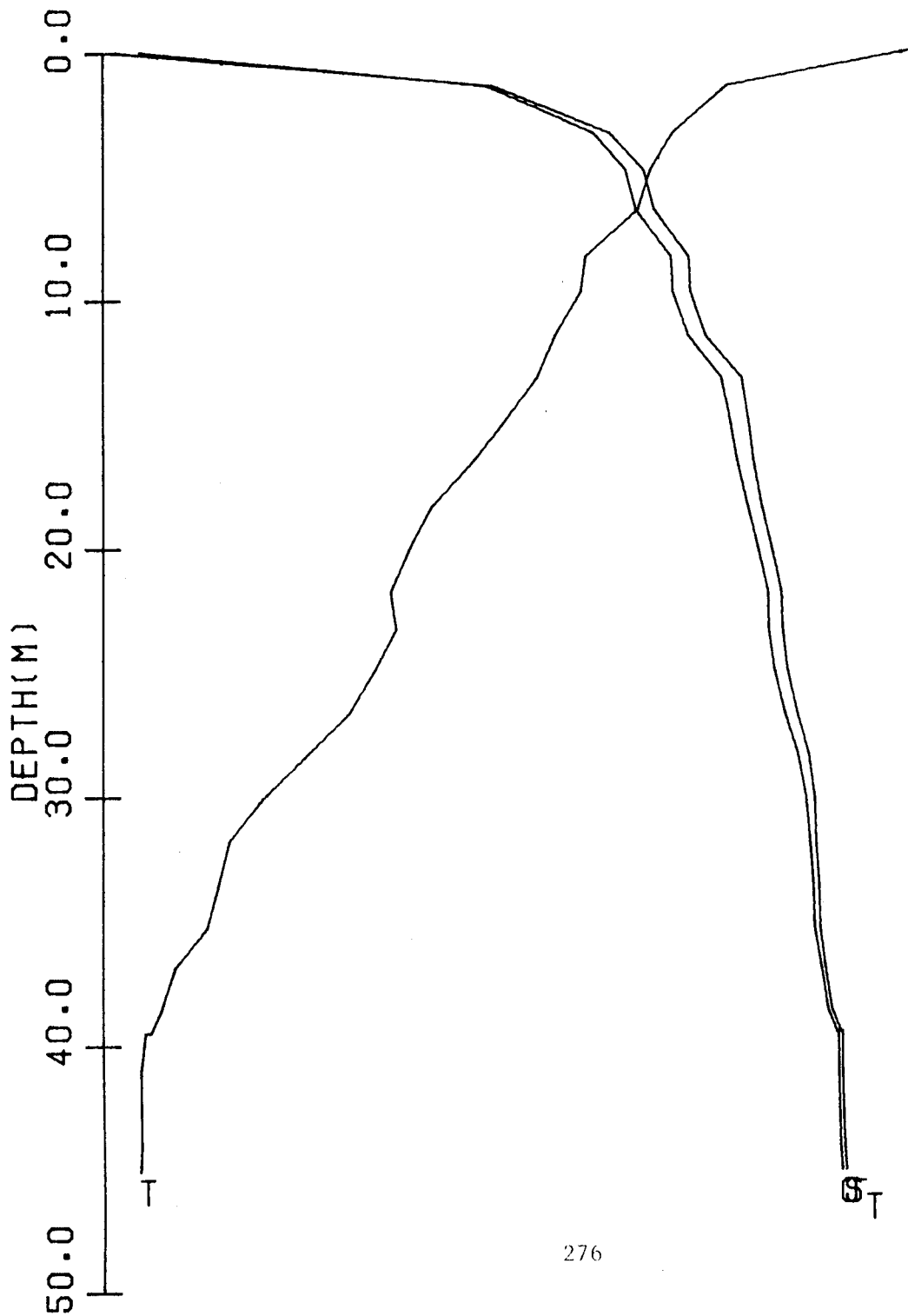
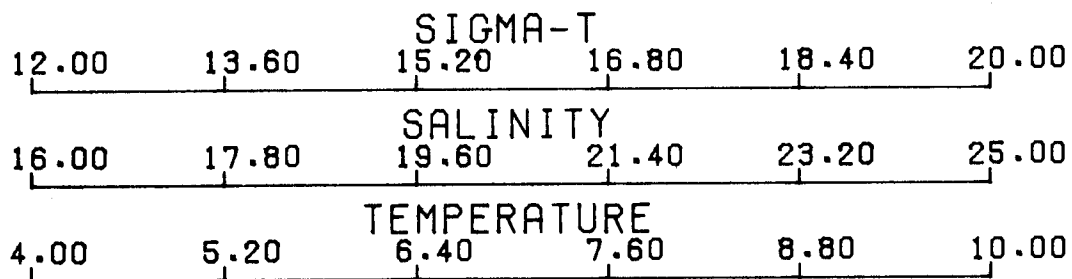
AREA SQUARE NUM 52076  
 DATE 8 MONTH 24 DAY  
 STATION NUM 6145 VISIT NUM 1 CONSECUTIVE NUM 192  
 LATITUDE 53 DEGREES 35.00 MINUTES  
 LONGITUDE 79 DEGREES 33.80 MINUTES  
 SOUNDING 45.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 25 KNTS WIND DIR 130 DEG  
 TEMP DRY 8.4 C TEMP WET 7.6 C  
 PRESSURE 1014.9 M BAR WAVE HEIGHT 1.2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA-T
1127	0.0	8.500	21.422	16.521
1130	5.3	8.610	21.433	16.616
1130	7.5	8.590	21.477	16.653
1130	8.5	8.590	21.487	16.661
1130	10.2	7.250	22.306	17.648
1130	11.9	6.070	23.282	18.346
1130	12.9	6.020	23.363	18.414
1130	14.6	6.080	23.413	18.448
1130	17.2	5.830	23.432	18.487
1130	18.9	5.650	23.432	18.504
1130	19.7	5.640	23.439	18.511
1130	21.1	5.600	23.454	18.526
1130	22.7	5.510	23.457	18.537
1130	23.5	5.350	23.512	18.595
1130	25.1	5.150	23.548	18.641
1131	26.3	4.910	23.557	18.669
1131	27.5	4.910	23.532	18.728
1131	29.0	4.840	23.545	18.744
1131	30.0	4.700	23.722	18.817
1131	31.7	4.480	23.867	18.949
1131	32.7	4.390	23.920	18.998
1131	33.0	4.300	24.010	19.076
1131	35.0	4.130	24.145	19.196
1131	36.3	3.830	24.331	19.366
1131	36.3	3.840	24.348	19.379
1131	37.0	2.510	24.449	19.545

S

STATION NO. 6151 3 199 MONTH 8 DAY 25

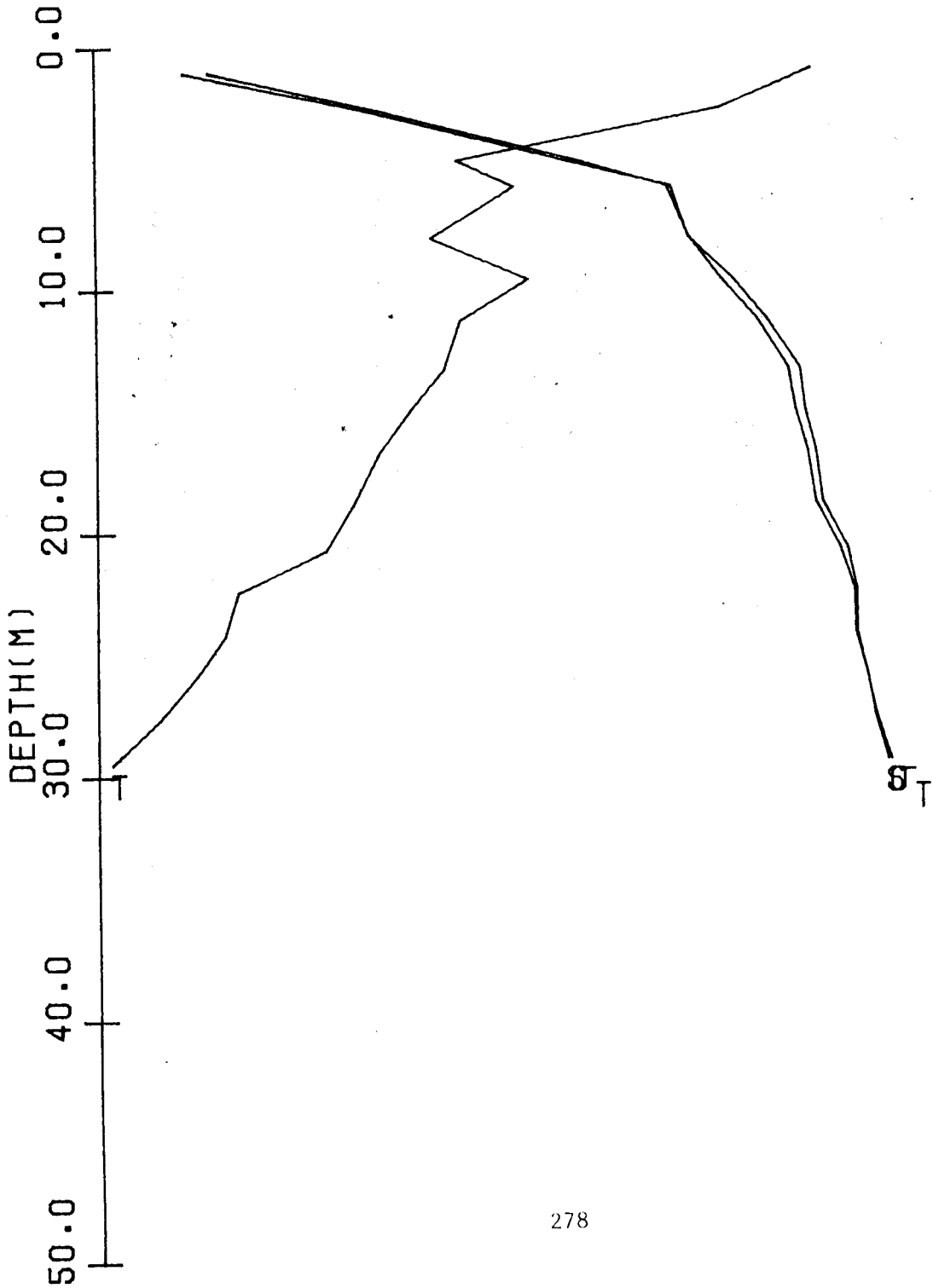
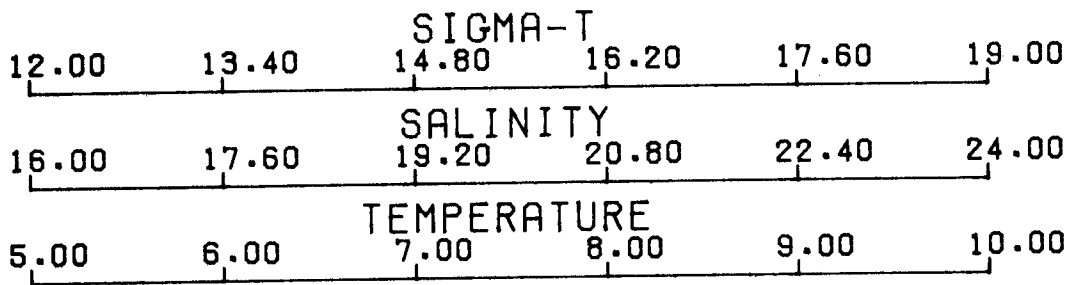


AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6151 VISIT NUM 3 CONSECUTIVE NUM 199  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 10.90 MINUTES  
 SOUNDING 49.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 79 DEG  
 TEMP DRY 9.1 C TEMP WET 7.9 C  
 PRESSURE 1022.4 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 4.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
1345	0.0	9.800	16.136	12.356
1346	1.4	8.480	20.207	15.677
1346	3.3	9.090	21.460	16.700
1346	4.8	7.930	21.830	17.008
1346	6.4	7.840	21.941	17.105
1346	8.3	7.460	22.315	17.441
1346	9.7	7.430	22.333	17.458
1346	11.5	7.240	22.499	17.609
1346	13.2	7.110	22.586	17.927
1346	15.0	6.870	22.967	18.016
1346	16.5	6.660	23.017	18.078
1346	18.4	6.350	23.112	18.184
1346	20.0	6.260	23.214	18.280
1347	21.8	6.060	23.321	18.378
1347	23.9	5.950	23.384	18.438
1347	26.7	5.760	23.492	18.541
1347	29.3	5.470	23.613	18.663
1347	30.1	5.140	23.651	18.747
1347	31.8	4.900	23.697	18.780
1347	33.6	4.920	23.729	18.812
1347	35.4	4.740	23.738	18.826
1347	36.6	4.510	23.795	18.890
1347	38.6	4.410	23.857	18.955
1347	39.5	4.340	23.966	19.038
1348	39.5	4.300	23.983	19.055
1348	41.0	4.270	23.984	19.058
1348	42.5	4.270	24.000	19.063
1348	44.1	4.270	24.003	19.073
1348	45.1	4.260	24.022	19.089

STATION NO. 6152 2 200 MONTH 8 DAY 25

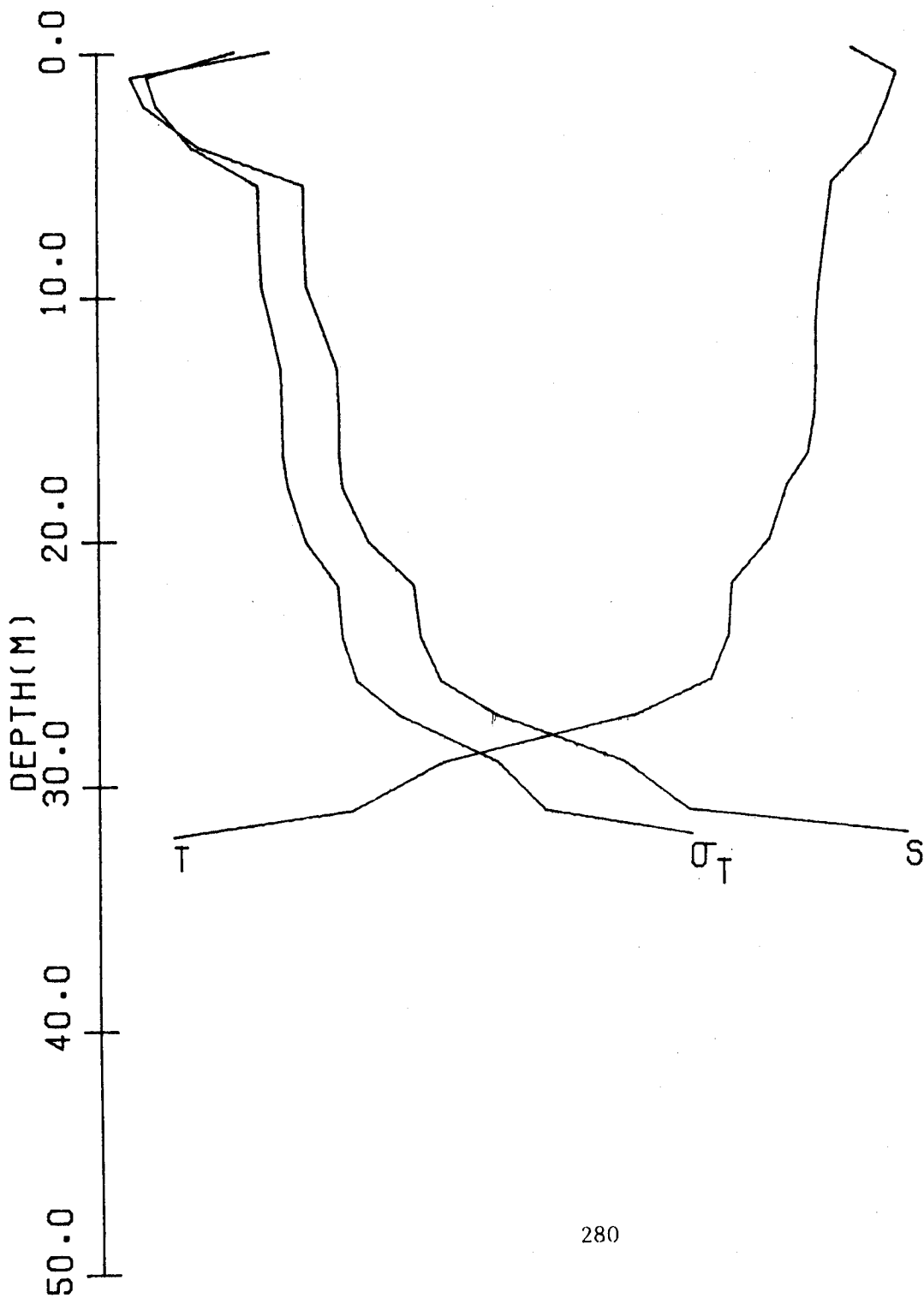
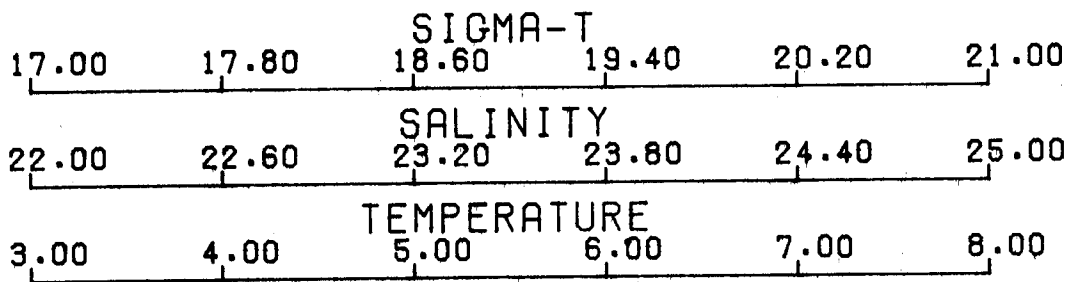


AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6152 VISIT NUM 2 CONSECUTIVE NUM 200  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 14.92 MINUTES  
 SOUNDING 34.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 122 DEG  
 TEMP DRY 9.4 C TEMP WET 3.6 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SECCHI HEIGHT M SWELL DIR M  
 SECCHI DISC 4.0 M

TIME (GHT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1413	1.1	9.380	16.863	12.967
1413	2.7	8.820	18.624	14.404
1413	4.8	7.200	20.573	16.107
1413	5.0	7.550	21.629	16.895
1413	8.0	7.040	21.300	17.084
1413	9.7	7.640	22.232	17.355
1413	11.4	7.220	22.569	17.666
1413	13.4	7.120	22.891	17.929
1413	15.1	6.910	22.940	17.991
1414	16.8	6.720	23.044	18.093
1414	18.9	6.560	23.107	18.159
1414	20.8	6.390	23.347	18.365
1414	22.5	6.850	23.436	18.488
1414	24.3	6.770	23.440	18.499
1414	25.9	6.600	23.534	18.589
1414	27.7	6.370	23.613	18.673
1414	29.5	6.080	23.736	18.795

STATION NO. 6153 2 201 MONTH 8 DAY 25



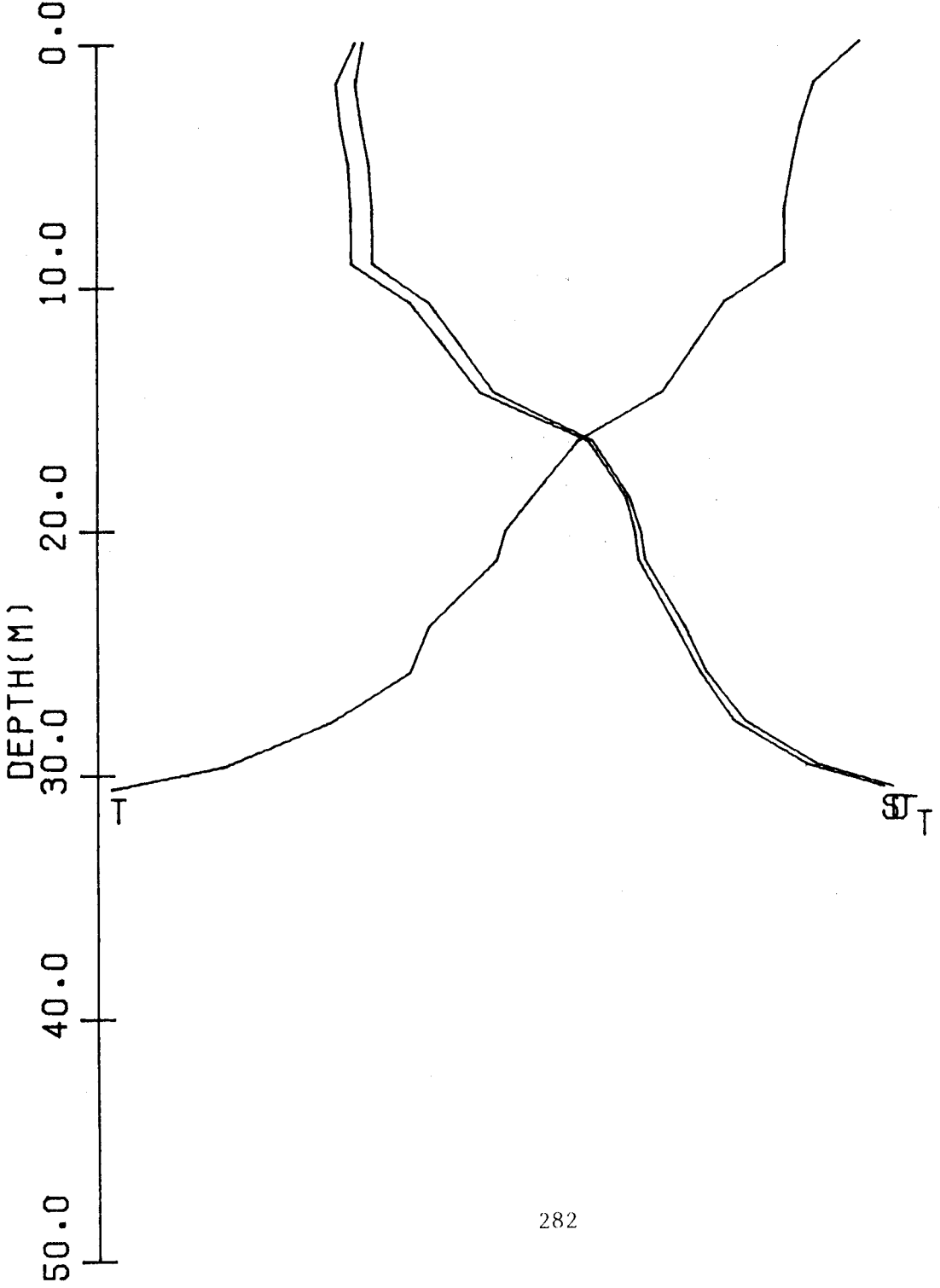
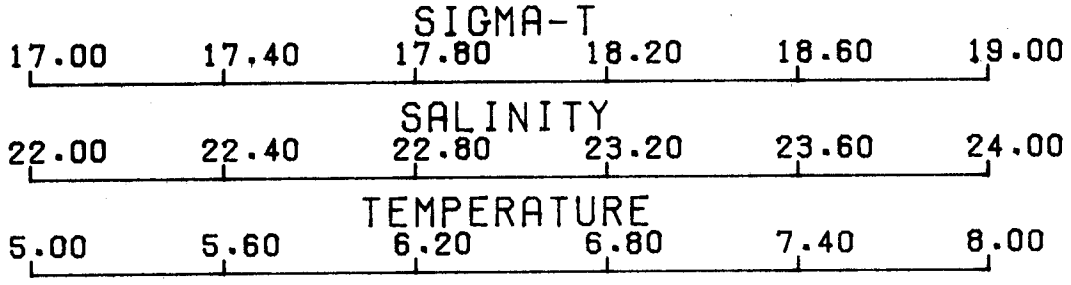
AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6153 VISIT NUM 2 CONSECUTIVE NUM 201  
 LATITUDE 53 DEGREES 51.45 MINUTES  
 LONGITUDE 79 DEGREES 19.52 MINUTES  
 SOUNDING 38.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 57 DEG  
 TEMP DRY 10.9 C TEMP WET 9.5 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGNAT
1433	0.0	7.600	22.629	17.670
1437	1.00	7.870	22.121	17.242
1438	2.2	7.810	22.170	17.287
1438	3.0	7.700	22.371	17.457
1438	5.5	7.470	22.751	17.781
1438	7.0	7.430	22.751	17.785
1438	9.5	7.390	22.759	17.796
1438	11.0	7.370	22.815	17.842
1438	13.0	7.370	22.870	17.885
1438	14.9	7.360	22.876	17.891
1438	16.6	7.320	22.876	17.895
1438	17.9	7.190	22.888	17.919
1438	20.1	7.080	22.982	18.003
1438	21.0	6.850	23.147	18.159
1438	24.0	6.830	23.171	18.180
1438	25.9	6.720	23.245	18.290
1438	27.2	6.270	23.450	18.458
1439	29.1	5.090	23.914	18.635
1439	31.1	4.530	24.151	19.160
1439	32.1	3.450	24.348	19.882



STATION NO. 6154 2 202 MONTH 8 DAY 25



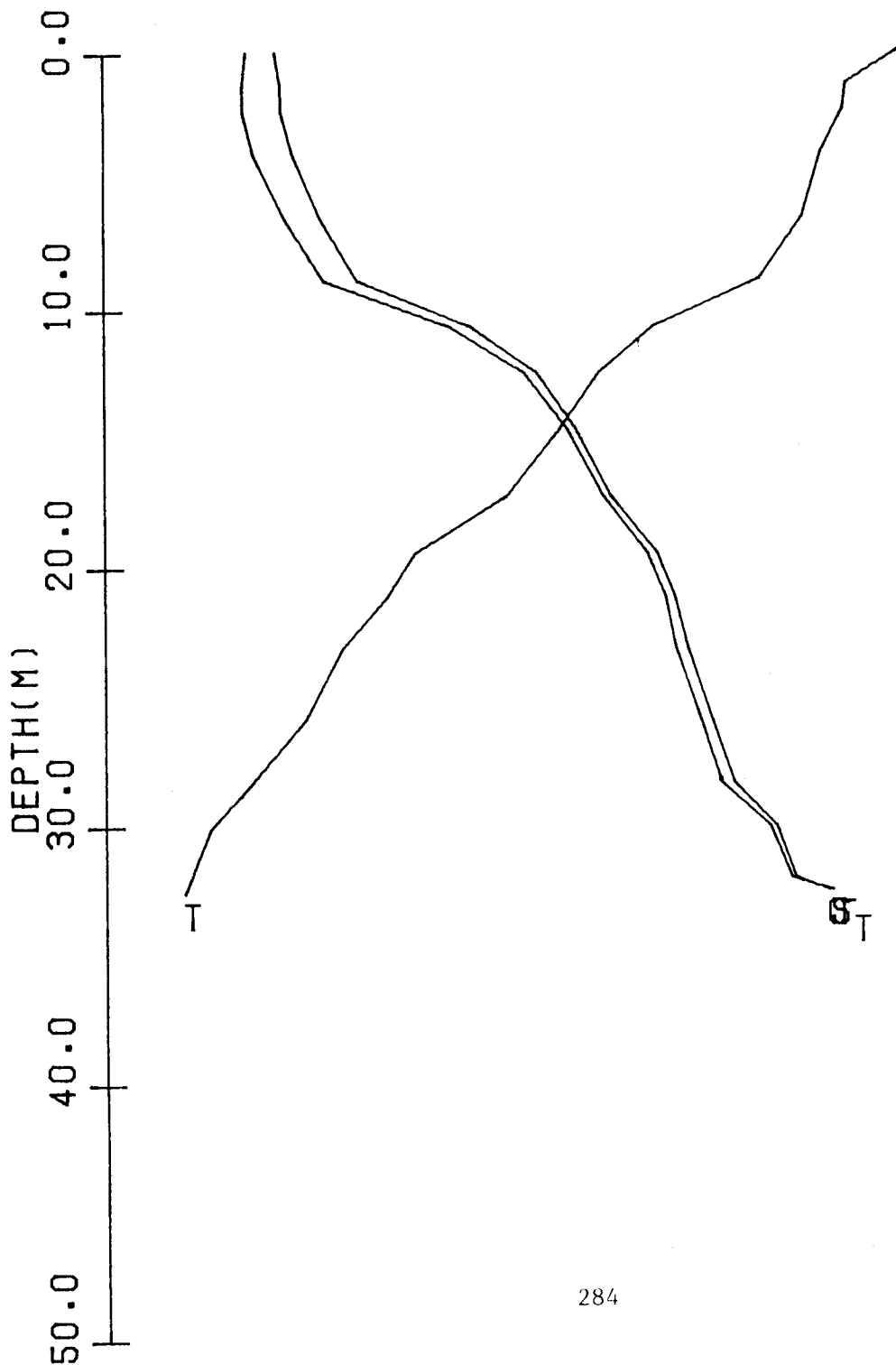
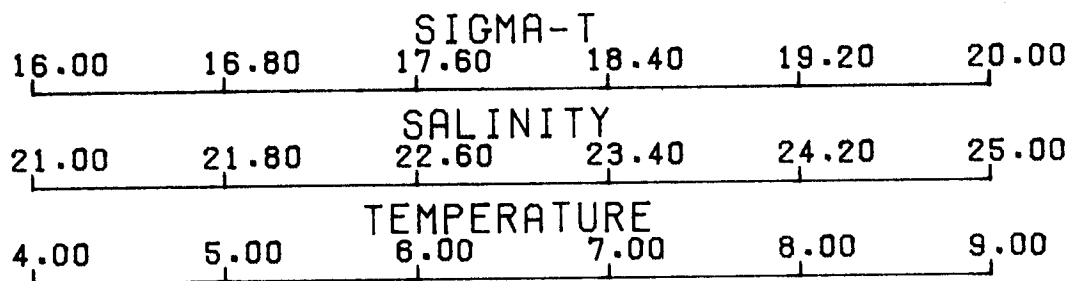
AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6154 VISIT NUM 2 CONSECUTIVE NUM 202  
 LATITUDE 53 DEGREES 51.42 MINUTES  
 LONGITUDE 79 DEGREES 23.50 MINUTES  
 SOUNDING 36.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 80 DEG  
 TEMP DRY 10.9 C TEMP WET 9.0 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 4.5 M SWELL DIR 300 M  
 SECCHI DISC 4.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1452	0.0	7.800	22.629	17.647
1454	1.7	7.630	22.582	17.630
1454	3.4	7.580	22.592	17.644
1454	5.0	7.550	22.611	17.662
1454	6.9	7.520	22.617	17.670
1454	9.1	7.520	22.618	17.671
1454	10.7	7.300	22.762	17.808
1454	12.3	7.200	22.838	17.879
1455	14.4	7.070	22.934	17.969
1455	16.4	6.760	23.199	18.210
1455	18.7	6.590	23.291	18.300
1455	20.1	6.490	23.313	18.328
1455	21.3	6.460	23.322	18.338
1455	24.0	6.210	23.412	18.434
1455	25.9	6.140	23.472	18.483
1455	27.9	5.850	23.556	18.583
1455	29.7	5.460	23.737	18.762
1455	30.6	5.050	23.923	18.945

S

STATION NO. 6145 2 203 MONTH 8 DAY 25



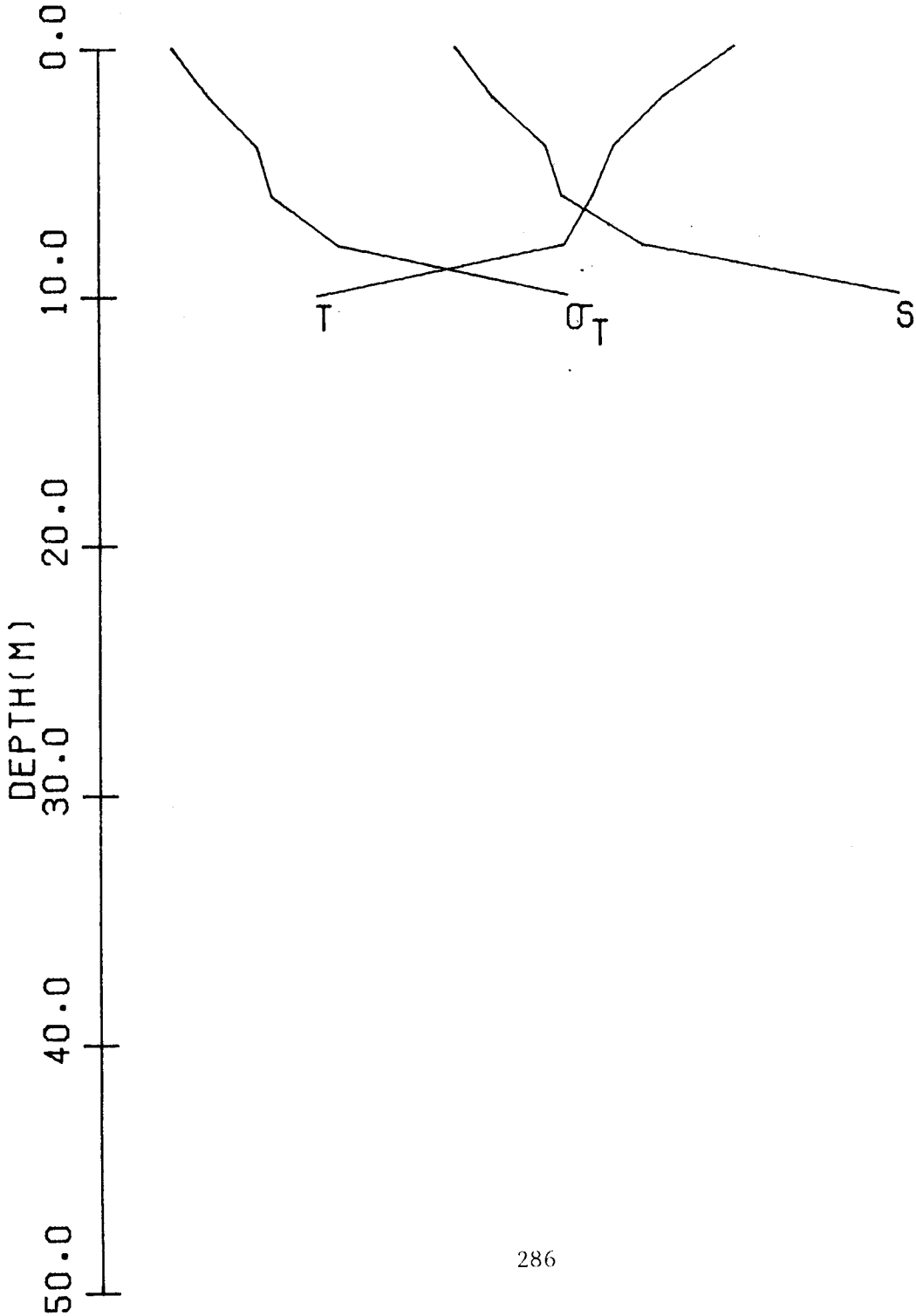
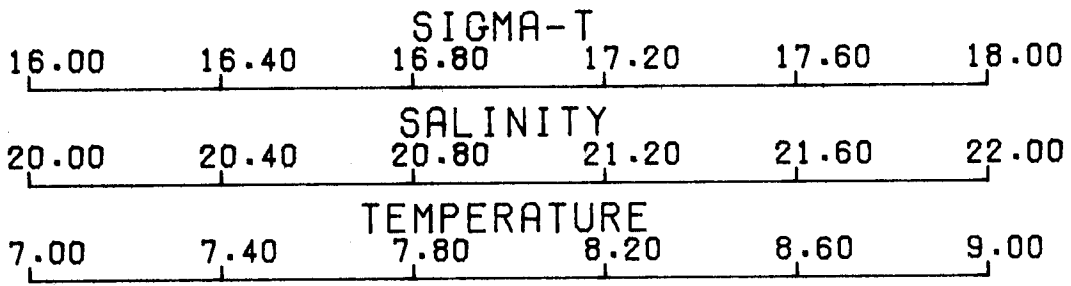
AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 5145 VISIT NUM 2 CONSECUTIVE NUM 203  
 LATITUDE 53 DEGREES 56.66 MINUTES  
 LONGITUDE 79 DEGREES 33.92 MINUTES  
 SOUNDING 42.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 360 DEG  
 TEMP DRY 8.9 C TEMP WET 7.8 C  
 PRESSURE 1021.1 M BAR WAVE HEIGHT M  
 SWELL HEIGHT 5 M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1613	0.0	8.500	21.637	16.792
1614	1.3	8.290	21.640	16.817
1614	2.3	8.270	21.640	16.819
1614	4.0	8.140	21.689	16.873
1614	6.0	8.030	21.833	16.998
1614	8.0	7.780	22.011	17.167
1614	10.7	7.170	22.390	17.688
1615	12.5	6.850	22.936	17.994
1615	14.7	6.620	23.135	18.174
1615	17.3	6.310	23.300	18.336
1615	19.3	5.780	23.504	18.549
1615	21.2	5.620	23.587	18.629
1615	23.2	5.360	23.634	18.690
1615	25.9	5.150	23.747	18.798
1615	28.4	4.930	23.844	18.902
1615	30.1	4.600	24.059	19.099
1615	32.1	4.480	24.168	19.187
1615	32.6	4.450	24.361	19.342

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STATION NO. 6144 1 204 MONTH 8 DAY 25

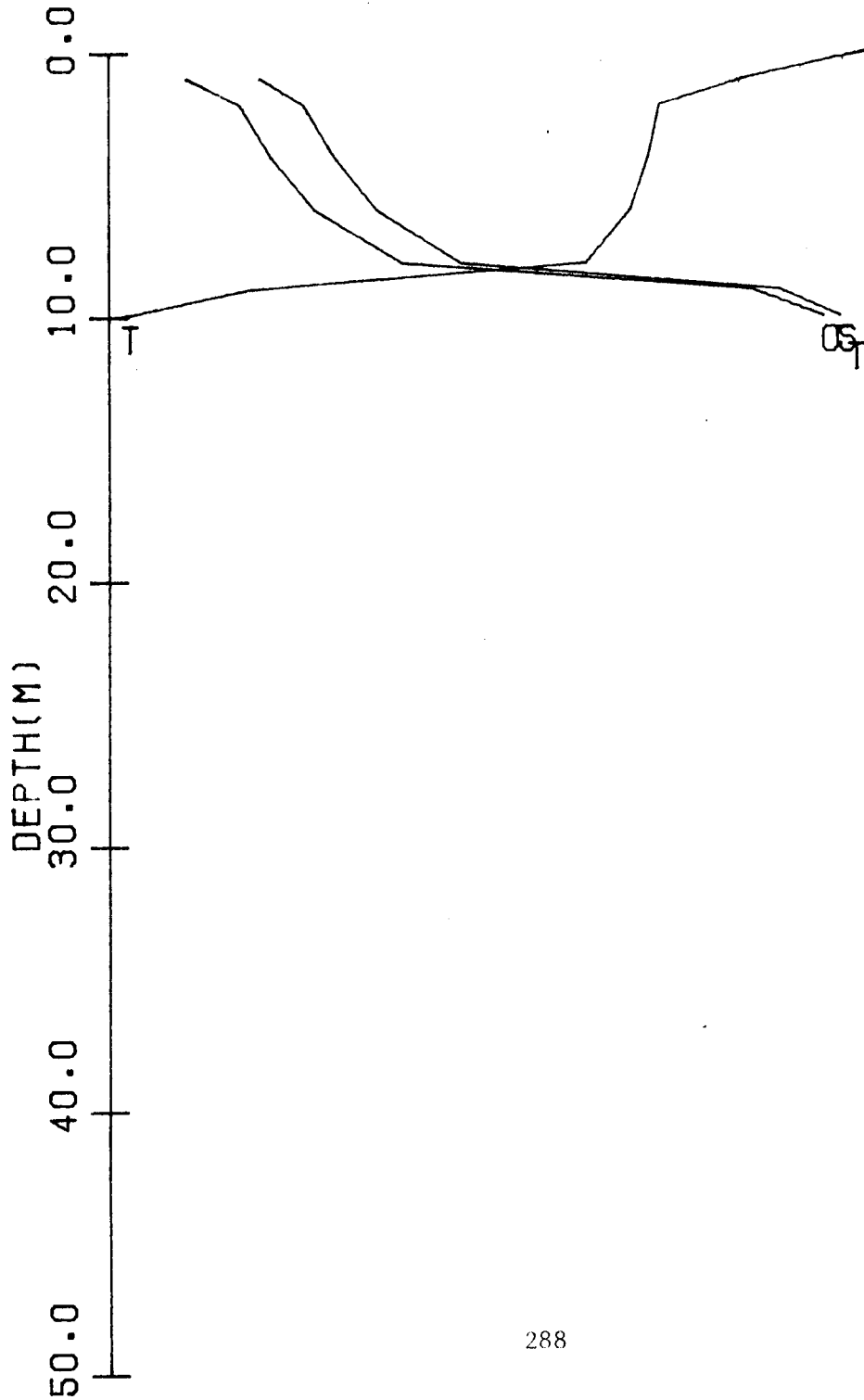
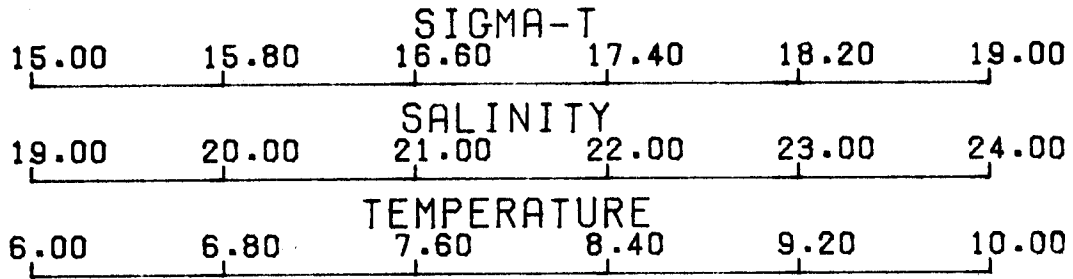


AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6144 VISIT NUM 1 CONSECUTIVE NUM 204  
 LATITUDE 53 DEGREES 36.70 MINUTES  
 LONGITUDE 79 DEGREES 29.40 MINUTES  
 SOUNDING 13.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MON ARK, GUIDELINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 02 KNTS WIND DIR 070 DEG  
 TEMP DEW 10.9 C TEMP WET 9.0 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT .5 M SWELL DIR 300 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1630	0.0	8.520	20.853	16.175
1631	2.0	8.350	20.941	16.265
1631	4.0	8.230	21.068	16.378
1632	6.0	8.180	21.106	16.414
1632	8.0	8.110	21.299	16.572
1633	10.0	7.520	21.913	17.120

STATION NO. 6143 1 205 MONTH 8 DAY 25



AREA SQUARE NUM 52076  
 DATE 8 MONTH 25 DAY  
 STATION NUM 6143 VISIT NUM 1 CONSECUTIVE NUM 205  
 LATITUDE 53 DEGREES 56.70 MINUTES  
 LONGITUDE 79 DEGREES 24.50 MINUTES  
 SOUNDING 10.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MCN ARK, GUILDLINE MARK IV  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 09 KNTS WIND DIR 350 DEG  
 TEMP DRY 9.1 C TEMP WET 8.7 C  
 PRESSURE 1020.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT .5 M SWELL DIR 290 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
17 4	0.0	9.400		
17 5	1.0	8.860	19.346	15.350
17 5	2.0	8.470	20.038	15.586
17 6	4.0	8.420	20.261	15.726
17 6	6.0	8.340	20.499	15.921
17 6	8.0	8.140	20.974	16.315
17 7	9.0	6.630	22.738	17.886
17 7	10.0	6.060	23.111	18.213

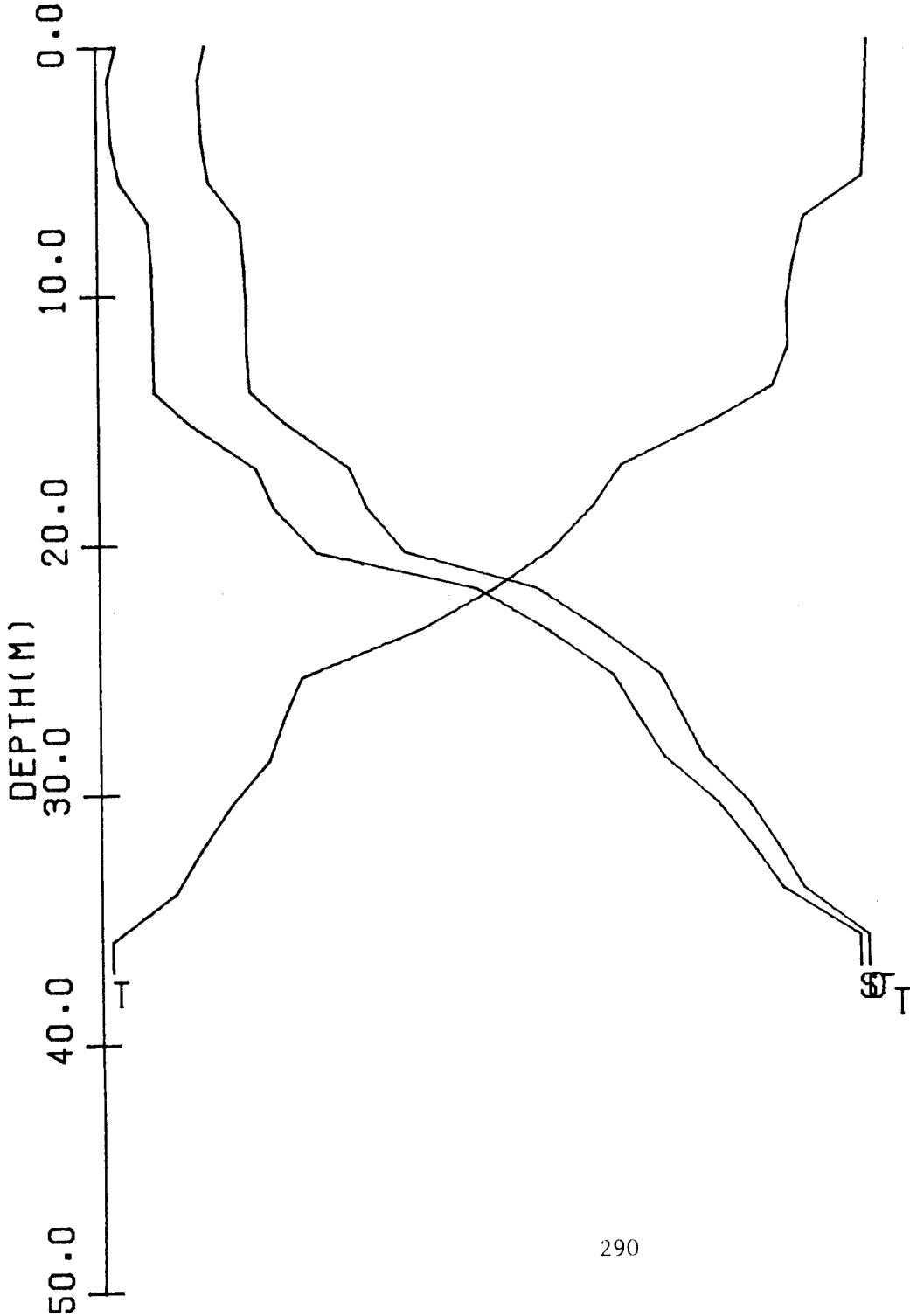
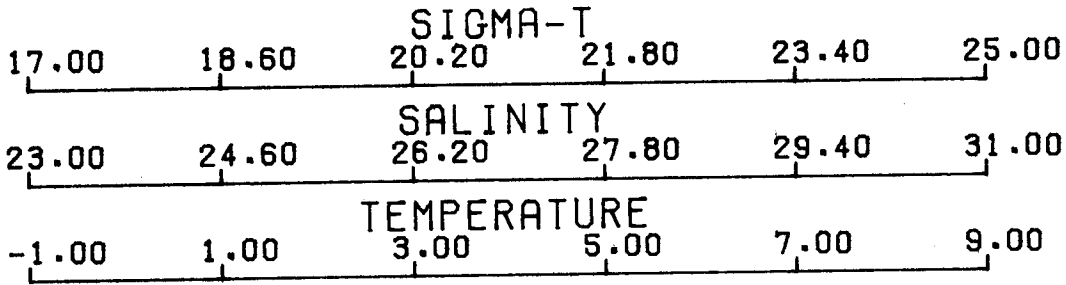
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STATION NO.

611 2 206

MONTH 8 DAY 25

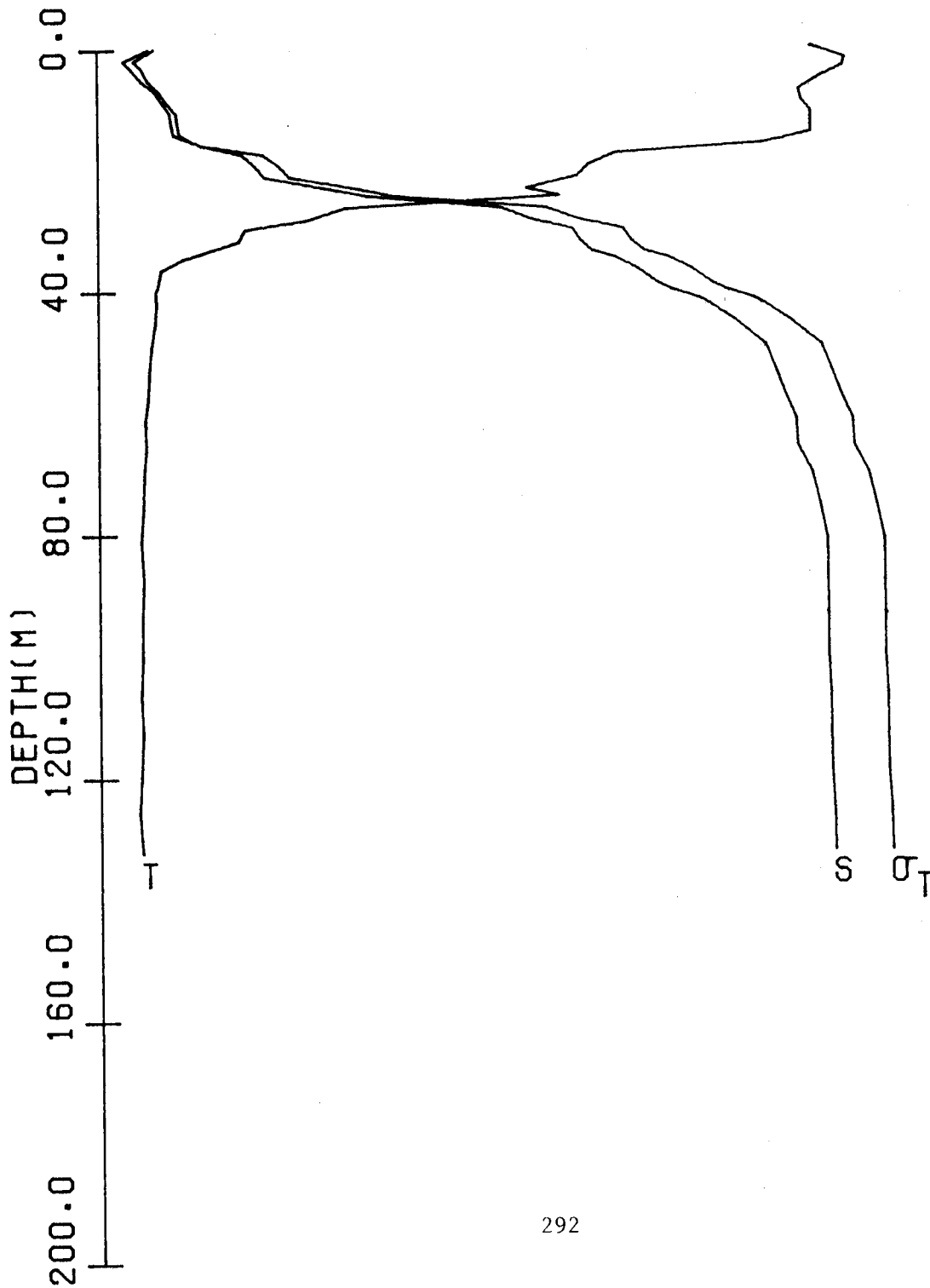
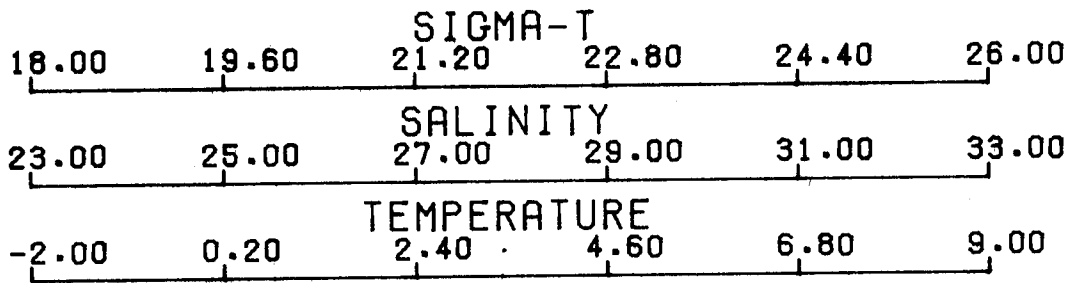


AREA SQUARE NUM 52076  
 DATE 9 MONTH 25 DAY  
 STATION NUM 611 VISIT NUM 2 CONSECUTIVE NUM 206  
 LATITUDE 54 DEGREES 45.80 MINUTES  
 LONGITUDE 79 DEGREES 54.30 MINUTES  
 SOUNDING 41.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 60 DEG  
 TEMP DEW 9.4 C TEMP WET 8.2 C  
 PRESSURE 1018.0 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2253	0.0	8.200	23.186	18.033
2255	1.3	8.190	23.105	17.971
2255	2.2	8.160	23.111	17.977
2255	3.9	8.160	23.133	17.997
2255	5.7	8.130	23.210	18.060
2255	7.1	7.430	23.477	18.353
2256	8.9	7.300	23.509	18.393
2256	10.5	7.220	23.519	18.410
2256	12.3	7.230	23.522	18.411
2256	13.9	7.040	23.528	18.437
2256	15.2	6.350	23.369	18.778
2256	17.0	5.220	24.492	19.378
2256	18.6	4.890	24.664	19.544
2256	20.4	4.370	25.066	19.905
2256	21.9	3.700	26.591	21.166
2256	23.5	2.830	27.240	21.744
2256	25.4	1.390	27.890	22.348
2256	27.0	1.180	28.119	22.542
2256	28.7	1.000	28.375	22.755
2256	30.5	.540	28.881	23.181
2256	32.3	.180	29.220	23.468
2257	34.0	-.120	29.507	23.709
2257	35.9	-.880	30.240	24.322
2257	37.1	-.870	30.244	24.325

STATION NO. 612 2 207 MONTH 8 DAY 25



AREA SQUARE NUM 5208J  
 DATE 8 MONTH 25 DAY  
 STATION NUM 612 VISIT NUM 2 CONSECUTIVE NUM 207  
 LATITUDE 54 DEGREES 44.50 MINUTES  
 LONGITUDE 80 DEGREES 8.00 MINUTES  
 SOUNDING 133.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 100 DEG  
 TEMP DRY 8.8 C TEMP WET 7.8 C  
 PRESSURE 1017.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
2335	0.0	7.600	23.684	18.494
2342	1.0	8.060	23.441	18.246
2342	3.3	8.030	23.539	18.329
2342	5.2	7.690	23.612	18.428
2342	7.1	7.430	23.756	18.571
2342	9.0	7.470	23.850	18.640
2342	10.7	7.590	23.956	18.708
2342	12.2	7.590	23.957	18.717
2342	14.2	7.590	23.999	18.742
2343	16.0	6.950	24.255	19.016
2343	17.5	4.960	24.755	19.609
2343	19.4	4.590	24.912	19.765
2343	21.3	4.430	25.032	19.873
2343	23.3	3.750	25.805	20.533
2343	24.5	4.200	26.284	20.882
2343	26.4	1.310	27.921	22.377
2343	28.3	-.830	28.287	22.692
2343	30.0	-.840	28.802	23.133
2343	31.0	-.120	28.889	23.215
2343	33.6	-.570	29.038	23.344
2343	34.7	-.870	29.327	23.588
2343	35.6	-1.160	29.535	23.808
2343	39.0	-1.200	29.851	24.015
2344	40.0	-1.230	30.010	24.144
2344	41.4	-1.230	30.329	24.402
2344	41.8	-1.220	30.407	24.465
2344	45.1	-1.240	30.789	24.774
2344	49.2	-1.290	31.173	25.086
2344	53.2	-1.320	31.291	25.182
2344	57.3	-1.346	31.411	25.279
2345	61.4	-1.380	31.539	25.384
2345	65.8	-1.370	31.556	25.397
2345	70.3	-1.400	31.731	25.540
2345	75.7	-1.410	31.826	25.617
2345	81.1	-1.440	31.914	25.689
2345	87.5	-1.410	31.917	25.690
2346	93.0	-1.430	31.921	25.694
2346	100.3	-1.430	31.921	25.694
2346	106.7	-1.450	31.948	25.716
2346	112.7	-1.430	31.953	25.720
2346	118.9	-1.450	31.961	25.727
2346	125.7	-1.480	31.989	25.750
2347	132.3	-1.440	31.997	25.756

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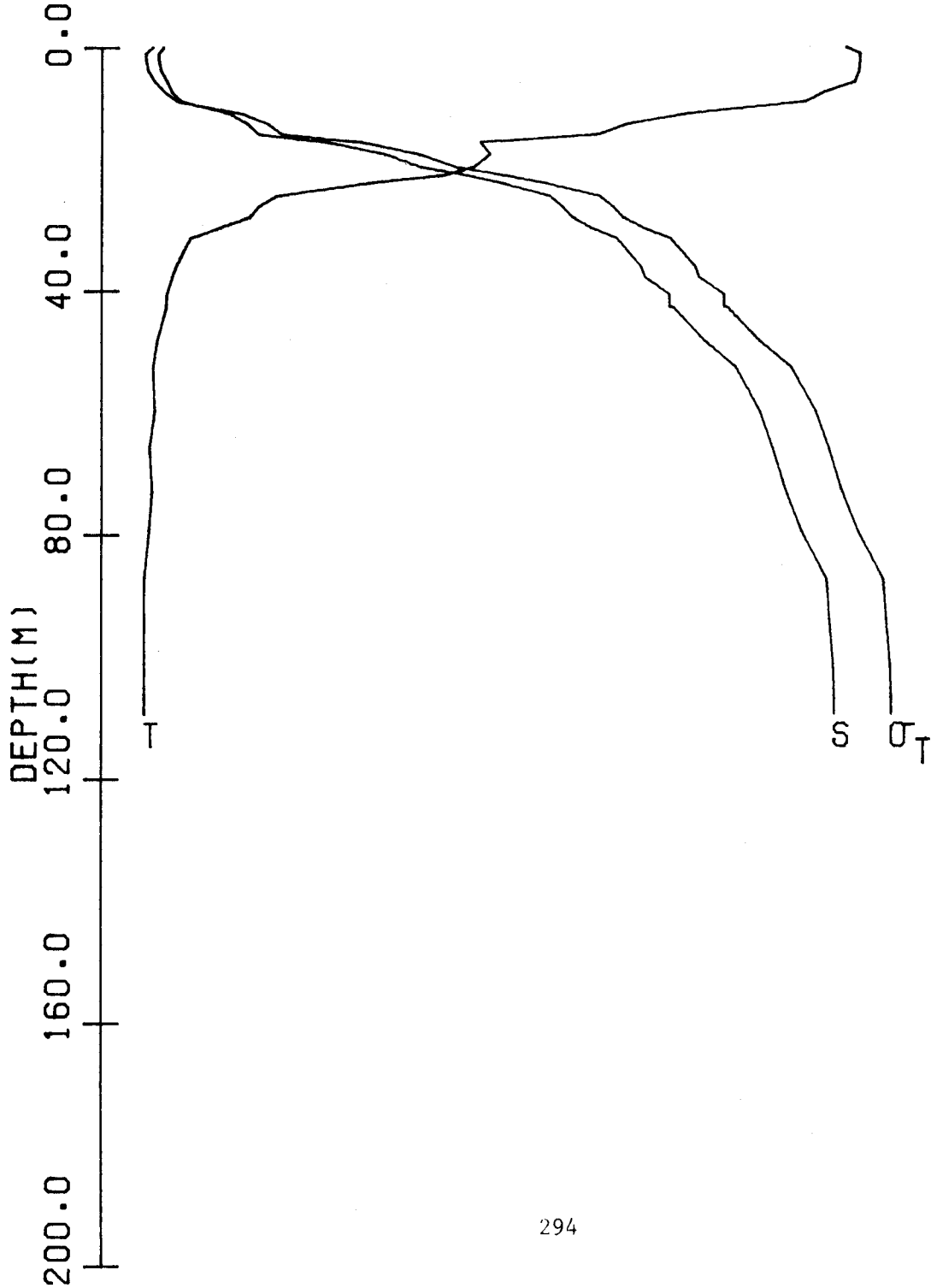
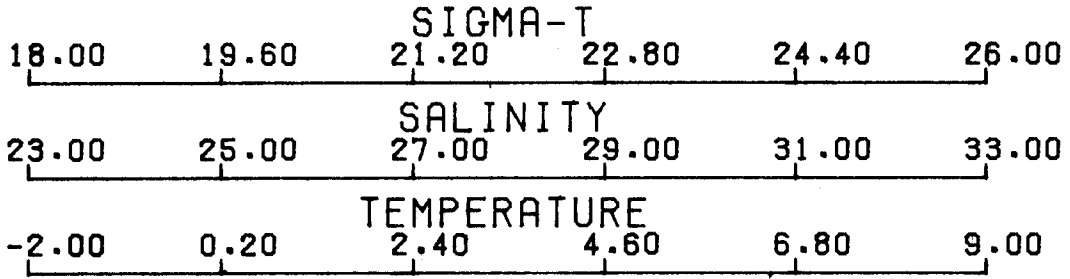
STATION NO.

613 2 208

MONTH

8 DAY

26



AREA SQUARE NUM 52080  
 DATE 9 MONTH 26 DAY  
 STATION NUM 613 VISIT NUM 2 CONSECUTIVE NUM 208  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 20.83 MINUTES  
 SOUNDING 117.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 60 DEG  
 TEMP DRY 8.8 C TEMP WET 7.8 C  
 PRESSURE 1017.7 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWEL DIR 310 M  
 SECCHI DISC M

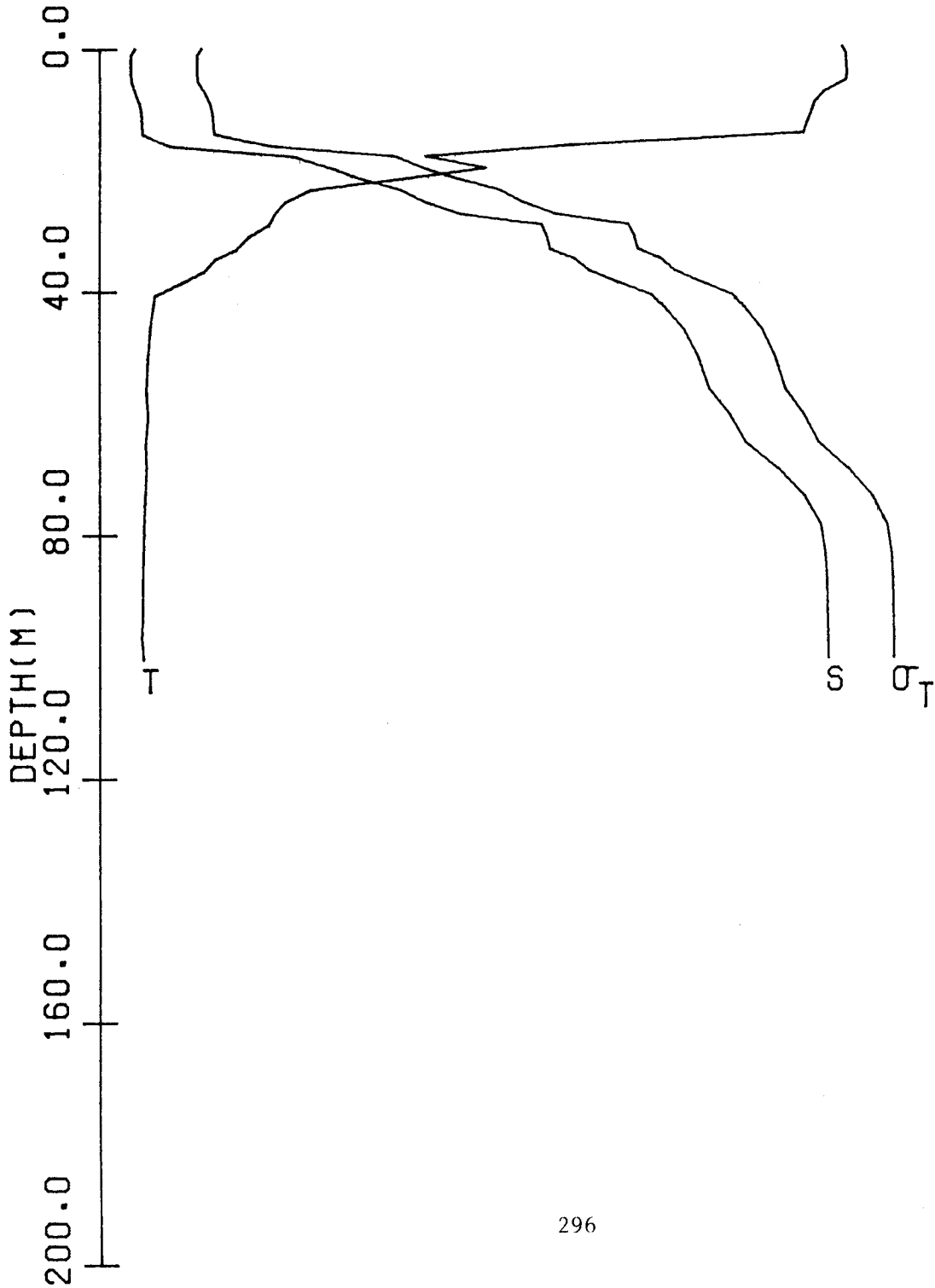
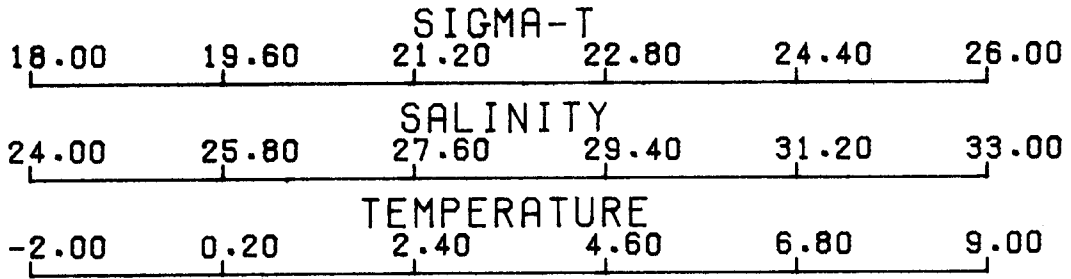
TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
037	0.0	8.000	23.747	18.495
039	1.1	8.190	23.687	18.422
039	1.0	8.180	23.690	18.428
040	2.1	8.180	23.689	18.428
040	3.2	8.170	23.718	18.452
040	5.7	8.110	23.791	18.516
040	7.5	7.680	23.832	18.616
040	9.0	7.440	23.972	18.738
040	11.0	5.850	24.521	19.365
040	12.7	5.030	24.777	19.620
040	14.4	4.650	24.905	19.755
040	15.7	3.060	25.731	20.530
040	17.7	3.200	26.450	21.091
040	19.8	2.980	26.885	21.452
040	21.1	2.980	27.441	21.921
040	22.3	1.700	27.816	22.273
040	24.6	.330	28.450	22.852
040	26.3	.090	28.614	22.984
041	28.0	-.220	28.730	23.081
041	29.0	-.440	28.972	23.288
041	31.5	-.820	29.280	23.546
041	33.9	-.920	29.434	23.673
041	36.2	-1.010	29.577	23.790
041	37.9	-1.060	29.625	23.830
041	40.7	-1.130	29.925	24.074
041	42.7	-1.140	29.925	24.074
041	42.9	-1.140	29.975	24.114
041	48.3	-1.260	30.356	24.425
041	52.8	-1.310	30.740	24.736
042	59.8	-1.290	31.036	24.975
042	65.8	-1.360	31.193	25.104
042	72.6	-1.330	31.348	25.228
042	79.5	-1.370	31.548	25.391
042	87.4	-1.430	31.856	25.641
042	94.6	-1.430	31.895	25.673
043	101.4	-1.430	31.935	25.705
043	106.7	-1.430	31.947	25.715
043	109.4	-1.430	31.950	25.718

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STATION NO.

614 2 209

MONTH 8 DAY 26



AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 614 VISIT NUM 2 CONSECUTIVE NUM 209  
 LATITUDE 54 DEGREES 46.02 MINUTES  
 LONGITUDE 80 DEGREES 38.67 MINUTES  
 SOUNDING 113.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

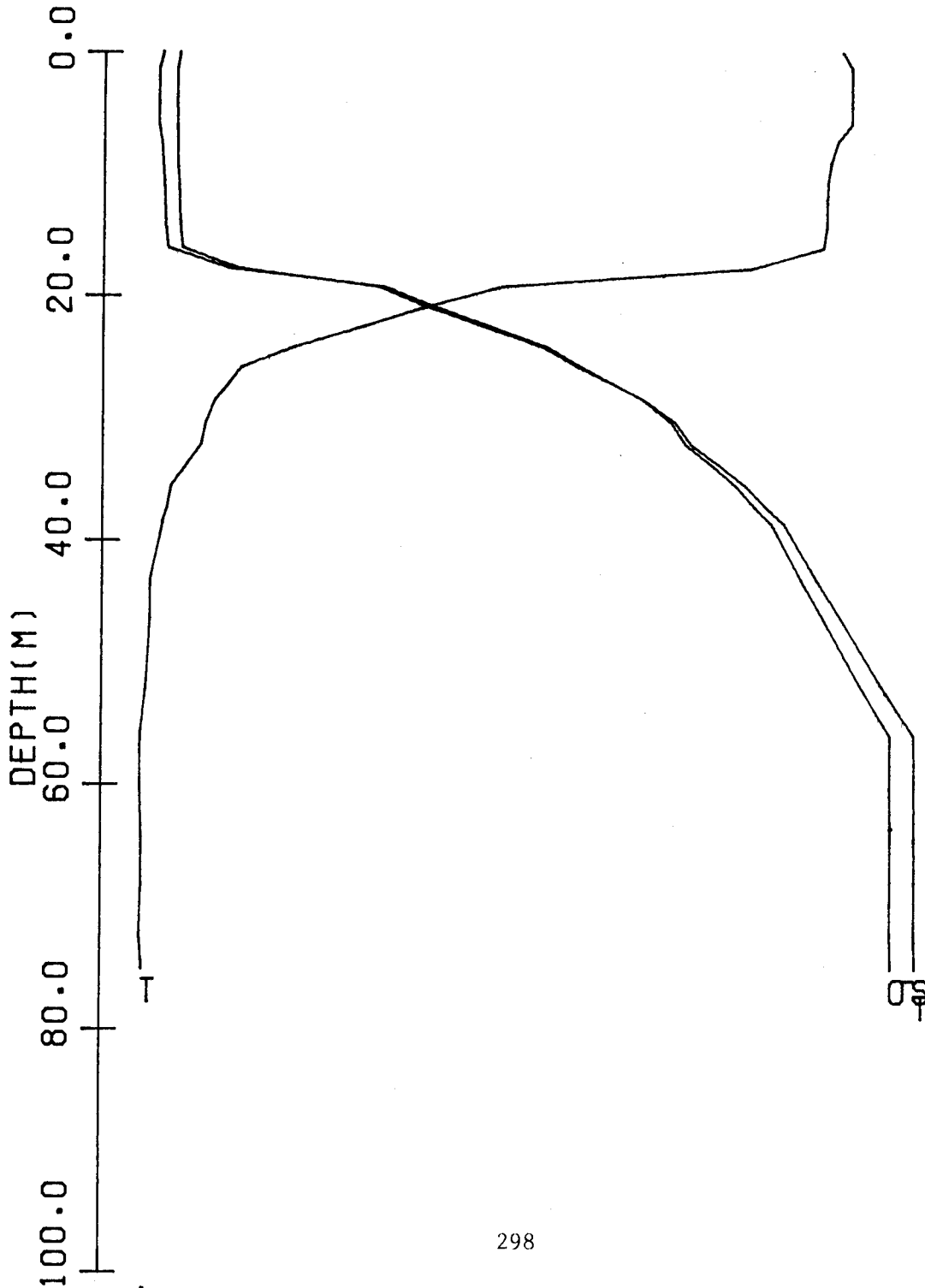
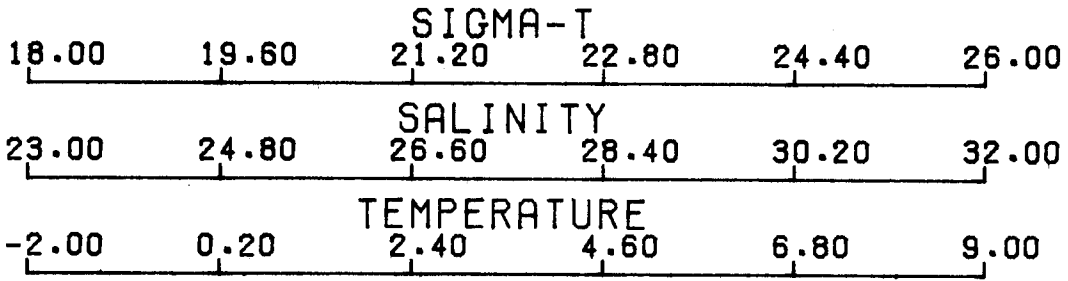
PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 70 DEG  
 TEMP DRY 8.9 C TEMP WET 7.6 C  
 PRESSURE 1017.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
142	0.0	8.000	24.383	18.992
145	1.1	8.050	24.338	18.950
145	1.1	8.050	24.338	18.950
145	4.2	8.060	24.340	18.951
145	5.5	8.050	24.348	18.958
145	7.4	7.750	24.391	19.020
145	9.2	7.620	24.437	19.080
145	10.7	7.580	24.453	19.098
145	12.5	7.520	24.459	19.110
146	14.2	7.470	24.462	19.118
146	15.2	7.330	24.477	19.675
146	17.0	2.360	26.119	20.882
146	19.0	3.190	26.546	21.168
146	21.0	2.110	26.837	21.485
146	23.0	.830	27.209	21.901
146	25.0	.480	27.568	22.130
146	27.0	.340	27.967	22.455
146	29.0	.270	28.853	23.169
146	31.0	0.000	28.910	23.225
146	33.0	-.180	28.947	23.261
146	34.0	-.460	29.214	23.484
146	36.0	-.600	29.378	23.620
146	38.0	-.890	29.673	23.865
146	40.0	-1.270	30.065	24.190
147	42.0	-1.280	30.161	24.267
147	42.0	-1.280	30.167	24.272
147	46.0	-1.330	30.428	24.484
147	51.0	-1.360	30.538	24.614
147	56.0	-1.380	30.707	24.711
147	60.0	-1.360	30.932	24.892
148	65.0	-1.390	31.107	25.035
148	69.0	-1.380	31.475	25.332
148	73.0	-1.400	31.758	25.562
148	78.0	-1.410	31.942	25.711
148	83.0	-1.420	31.994	25.753
148	87.0	-1.430	32.012	25.768
149	92.0	-1.430	32.015	25.770
149	97.0	-1.440	32.022	25.776
149	100.0	-1.420	32.024	25.777

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STATION NO. 615 2 210 MONTH 8 DAY 26



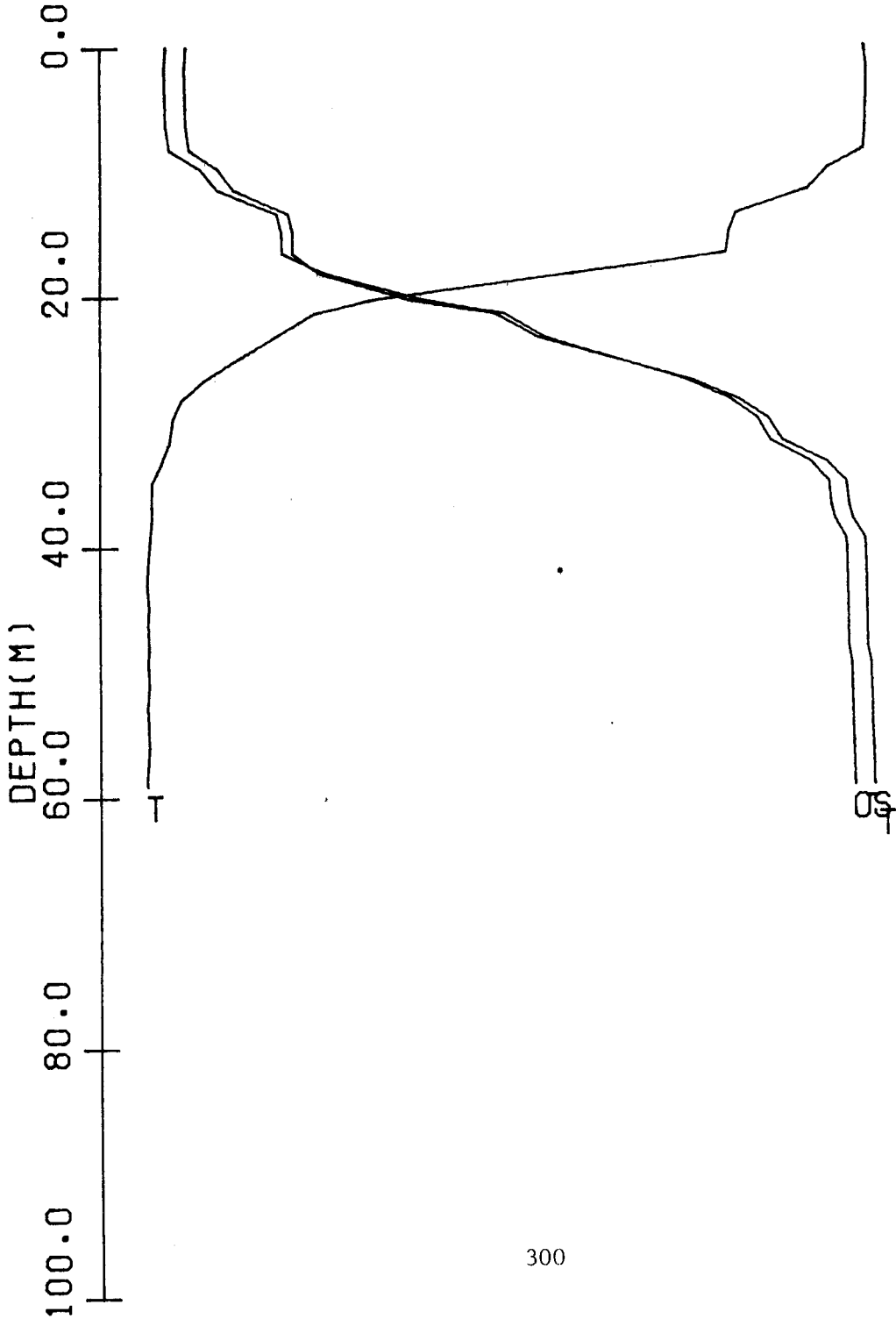
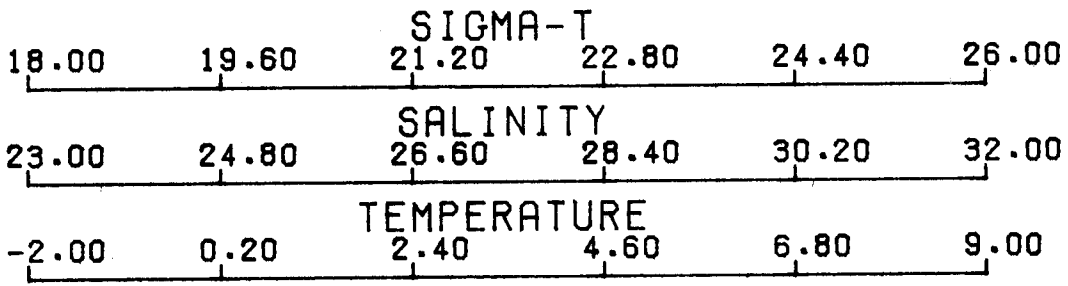
AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 615 VISIT NUM 2 CONSECUTIVE NUM 210  
 LATITUDE 54 DEGREES 46.50 MINUTES  
 LONGITUDE 80 DEGREES 56.67 MINUTES  
 SOUNDING 86.0 METRES SNOW THICKNESS CN  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIP 70 DEG  
 TEMP DEW 3.5 C TEMP WET 7.5 C  
 PRESSURE 1016.6 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 310 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
253	0.0	7.900	23.325	18.556
253	1.0	8.020	23.798	18.558
253	3.0	8.020	23.798	18.558
253	5.0	8.020	23.798	18.558
253	7.0	8.020	23.799	18.558
253	9.1	7.830	23.804	18.558
253	10.7	7.740	23.805	18.557
253	12.3	7.700	23.817	18.558
253	14.2	7.690	23.821	18.559
253	16.1	7.690	23.831	18.559
253	17.8	7.650	23.858	18.560
253	19.3	7.670	24.487	19.229
253	20.9	7.330	26.005	20.720
253	22.5	7.340	26.522	21.204
253	24.2	7.550	27.143	21.746
253	25.9	7.550	27.807	22.310
256	25.9	-1.160	28.206	22.864
256	27.4	-1.350	28.635	23.515
256	28.8	-1.510	28.941	23.865
256	30.6	-1.630	29.282	23.943
256	32.0	-1.690	29.453	23.883
256	33.8	-1.880	29.753	23.920
256	35.6	-1.090	30.062	24.184
256	37.3	-1.140	30.284	24.364
256	38.6	-1.210	30.470	24.516
256	38.6	-1.200	30.477	24.521
256	43.3	-1.360	30.940	24.816
257	46.3	-1.360	31.102	25.030
257	51.0	-1.410	31.561	25.402
257	56.0	-1.480	31.923	25.697
257	60.2	-1.480	31.924	25.698
257	64.3	-1.460	31.930	25.702
257	67.9	-1.460	31.933	25.704
258	72.4	-1.480	31.933	25.705
258	74.6	-1.450	31.944	25.713
258	75.1	-1.450	31.944	25.713

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STATION NO. 616 1 211 MONTH 8 DAY 26



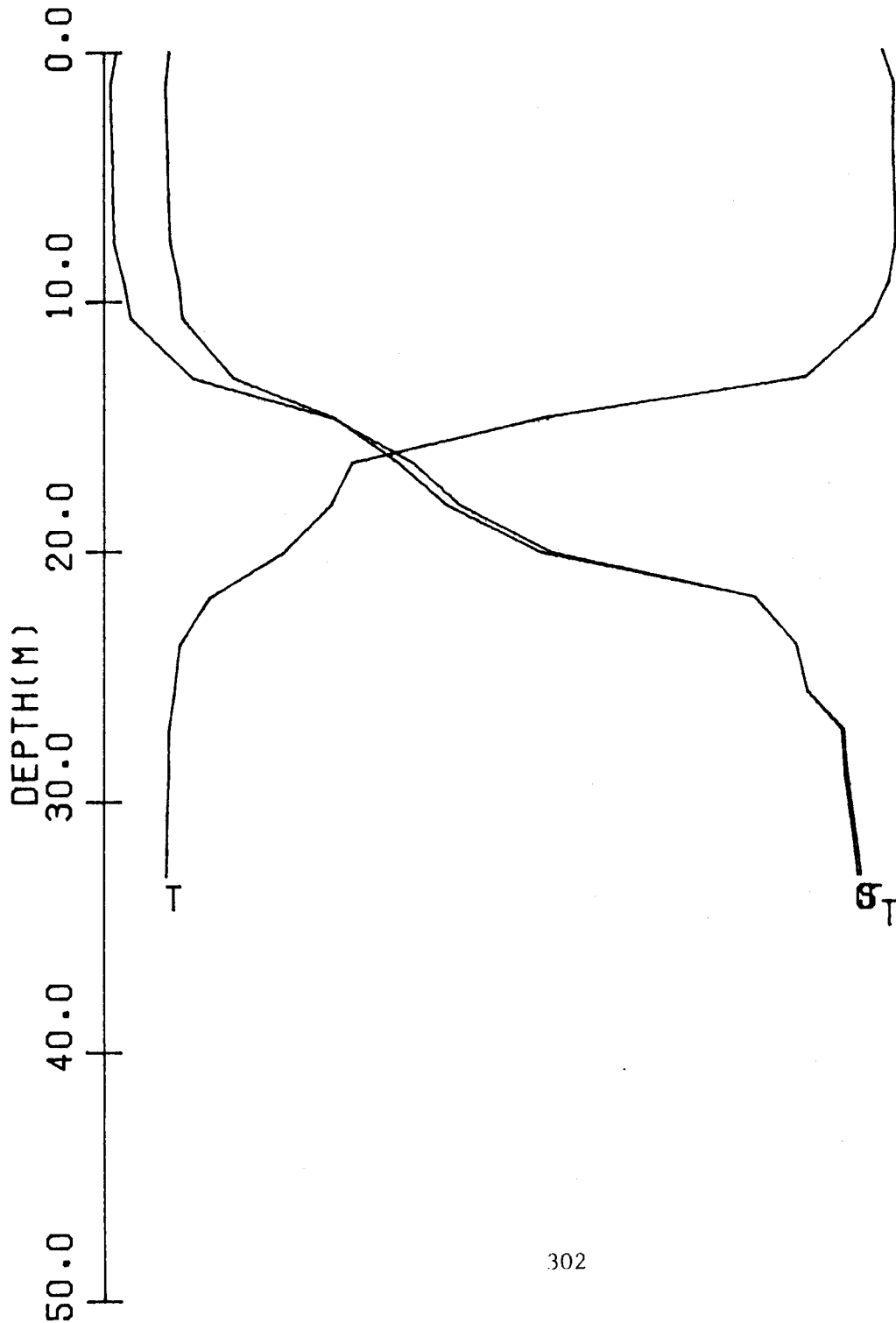
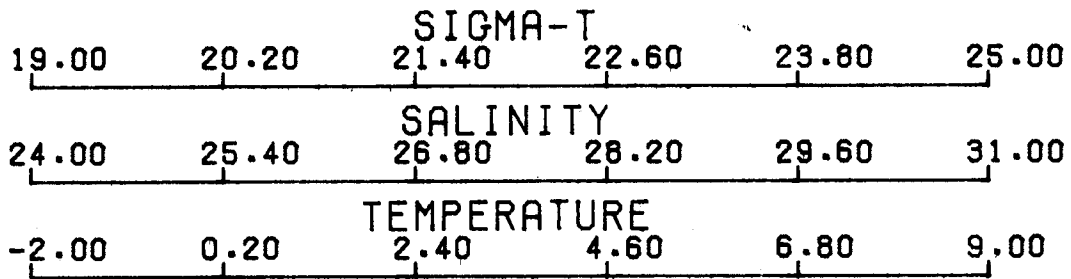
AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 616 VISIT NUM 1 CONSECUTIVE NUM 211  
 LATITUDE 54 DEGREES 46.20 MINUTES  
 LONGITUDE 80 DEGREES 15.00 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 80 DEG  
 TEMP DRY 8.4 C TEMP WET 7.8 C  
 PRESSURE 1013.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
3 56	0.0	8.0000	23.912	18.624
3 58	1.7	8.030	23.931	18.612
3 58	3.2	8.030	23.904	18.614
3 58	4.7	8.020	23.905	18.616
3 58	6.4	8.010	23.913	18.624
3 58	8.2	7.990	23.948	18.653
3 58	9.8	7.920	24.250	18.946
3 58	11.5	7.260	24.422	19.111
3 59	13.4	6.310	25.003	19.672
3 59	14.9	5.220	25.046	19.716
3 59	16.6	5.180	25.048	19.721
3 59	18.2	4.180	25.335	20.133
3 59	20.0	1.550	25.294	21.065
3 59	21.7	.790	27.213	21.834
3 59	23.3	.270	27.675	22.224
3 59	24.9	-.170	28.438	22.851
3 59	26.7	-.650	29.318	23.573
3 59	28.3	-.950	29.839	24.000
3 59	29.8	-1.060	30.151	24.255
3 59	31.6	-1.100	30.305	24.380
3 59	33.3	-1.210	30.779	24.766
3 59	34.9	-1.330	30.990	24.936
3 59	36.6	-1.330	31.017	24.961
3 59	37.9	-1.330	31.050	24.995
3 59	39.4	-1.350	31.183	25.097
3 59	40.1	-1.360	31.193	25.104
4 00	41.7	-1.390	31.198	25.108
4 00	43.1	-1.390	31.202	25.111
4 01	44.9	-1.370	31.205	25.113
4 01	46.2	-1.380	31.210	25.118
4 01	48.1	-1.370	31.213	25.120
4 01	49.4	-1.380	31.247	25.148
4 01	51.2	-1.370	31.255	25.154
4 01	52.8	-1.390	31.262	25.160
4 02	54.2	-1.380	31.264	25.161
4 02	55.8	-1.370	31.273	25.168
4 02	57.2	-1.380	31.282	25.176
4 02	58.7	-1.400	31.282	25.176
4 02	59.1	-1.390	31.288	25.181

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STATION NO. 617 2 212 MONTH 8 DAY 26



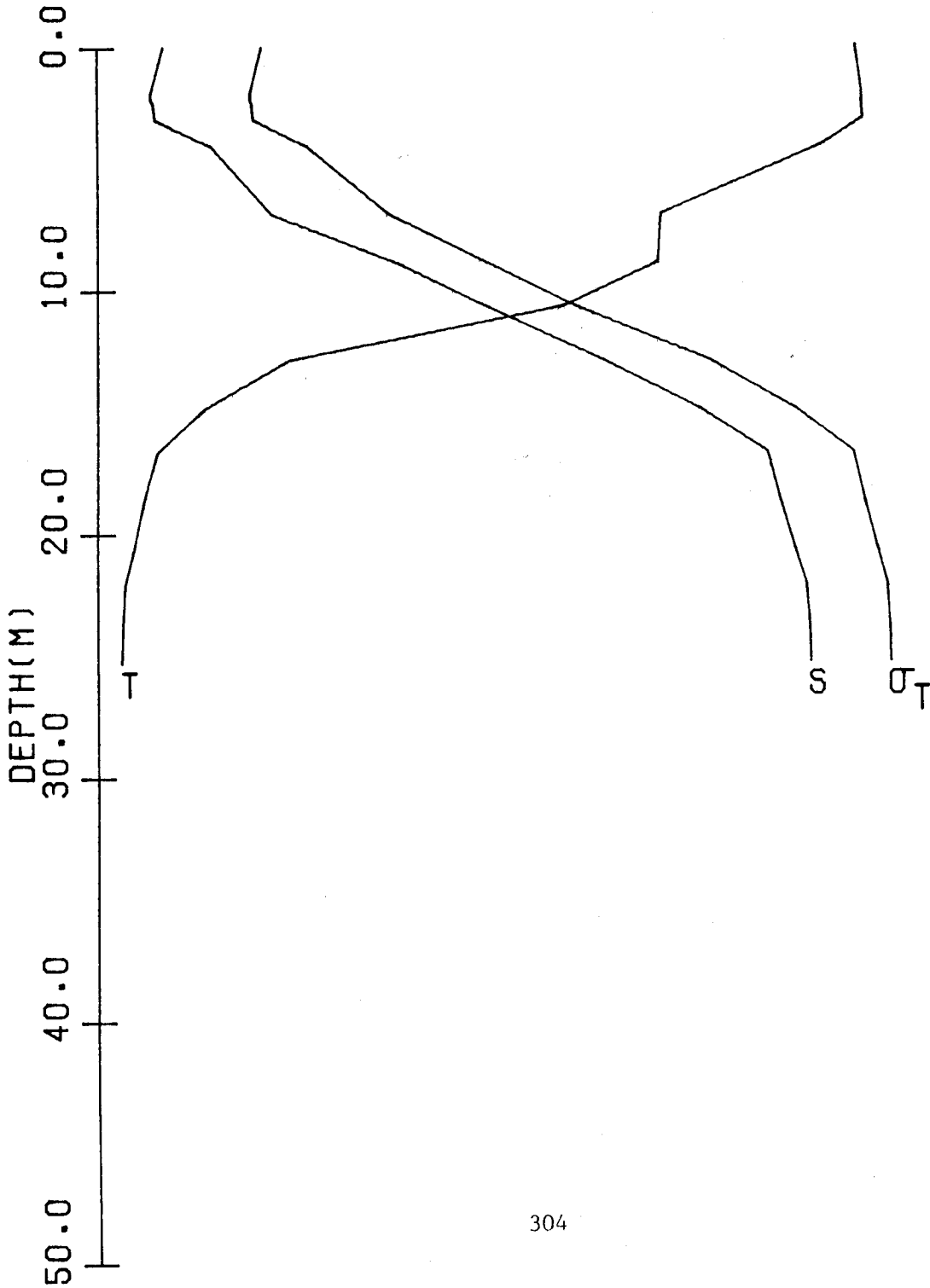
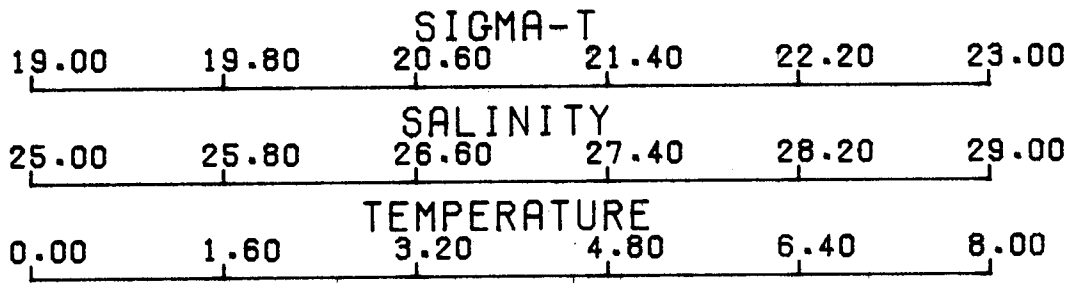
AREA SQUARE NUM 52080  
 DATE 9 MONTH 26 DAY  
 STATION NUM 617 VISIT NUM 2 CONSECUTIVE NUM 212  
 LATITUDE 54 DEGREES 46.20 MINUTES  
 LONGITUDE 81 DEGREES 31.90 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III, 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 100 DEG  
 TEMP DRIFT 8.3 C TEMP WET 7.6 C  
 PRESSURE 1014.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
5 1	0.0	8.200	24.536	19.886
5 4	1.3	8.340	24.510	19.847
5 4	1.6	8.340	24.510	19.847
5 4	2.7	8.330	24.515	19.853
5 4	4.1	8.330	24.526	19.861
5 4	5.9	8.350	24.534	19.865
5 4	7.7	8.360	24.547	19.874
5 4	9.3	8.270	24.521	19.143
5 4	10.7	8.060	24.547	19.190
5 4	13.1	7.180	25.075	19.632
5 4	14.7	3.740	25.915	20.627
5 4	16.5	1.220	25.442	21.199
5 4	18.2	.950	26.846	21.533
5 4	20.1	.330	27.536	22.190
5 4	21.9	-.630	29.415	23.550
5 4	23.8	-1.020	29.757	23.944
5 4	25.7	-1.090	29.865	24.024
5 4	27.2	-1.160	30.165	24.268
5 4	28.9	-1.160	30.194	24.292
5 4	30.6	-1.180	30.241	24.330
5 4	31.9	-1.180	30.284	24.365
5 4	33.0	-1.190	30.308	24.384

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STATION NO. 618 2 213 MONTH 8 DAY 26



AREA SQUARE NUM 52080  
 DATE 3 MONTH 26 DAY  
 STATION NUM 618 VISIT NUM 2 CONSECUTIVE NUM 213  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 50.00 MINUTES  
 SOUNDING 32.9 METRES SNOW THICKNESS 0M  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

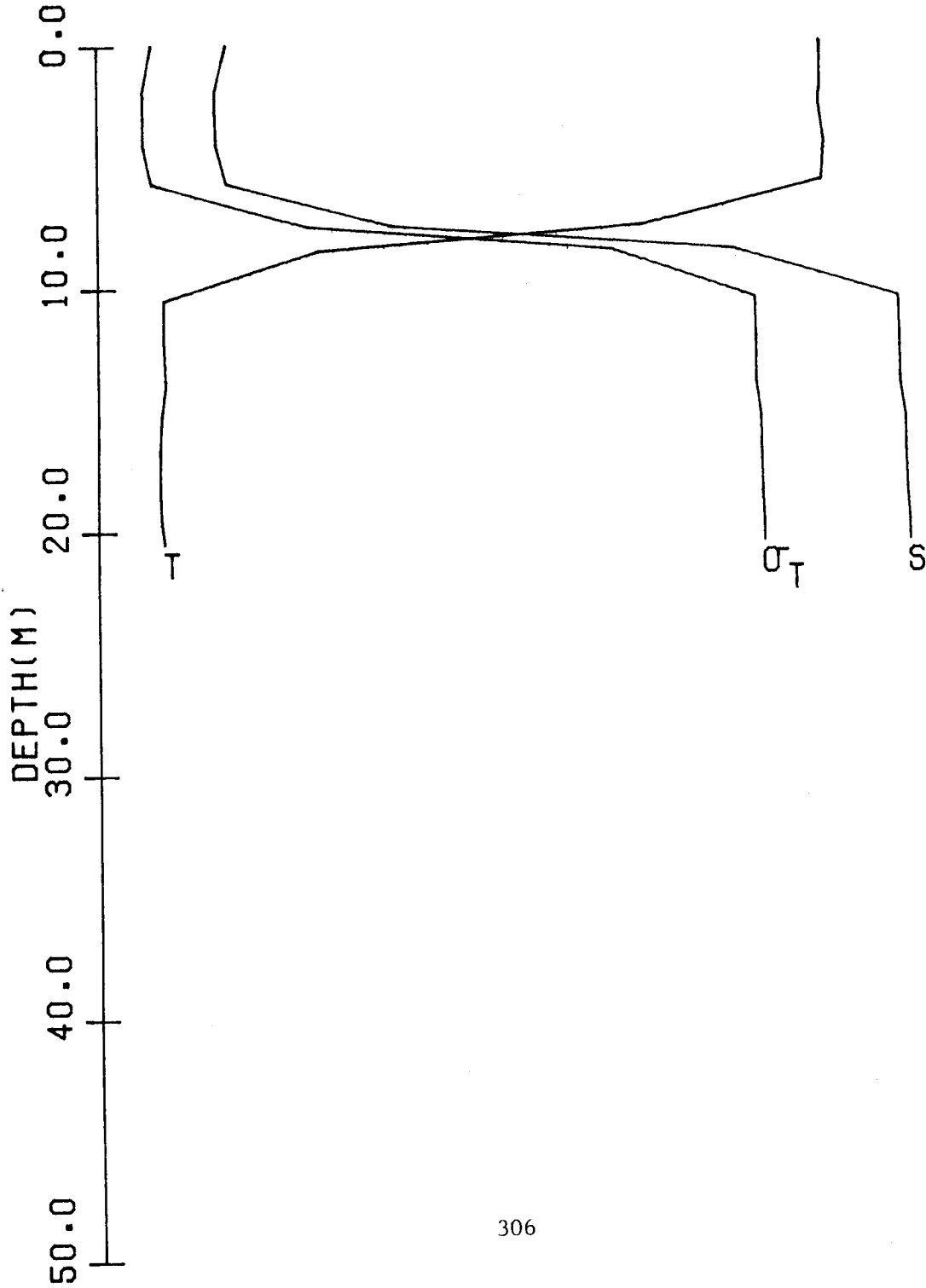
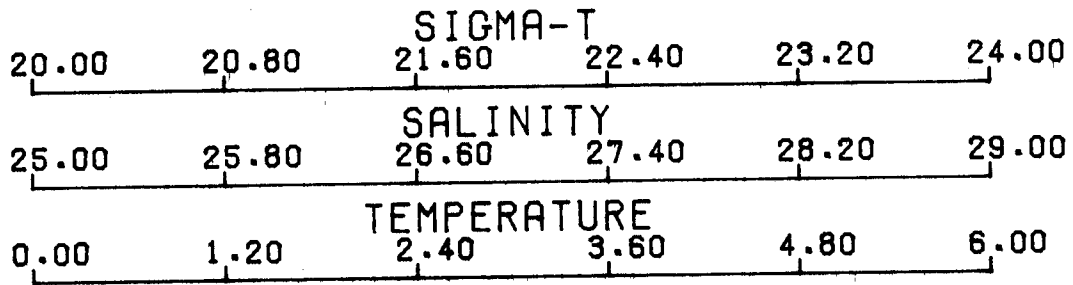
PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 210 DEG  
 TEMP DRY 8.0 C TEMP WET 7.5 C  
 PRESSURE 1013.0 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 310 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
06 4	0.0	7.400	25.318	19.796
06 8	1.0	7.460	25.258	19.741
06 8	2.0	7.460	25.258	19.741
06 8	2.3	7.460	25.267	19.749
06 8	3.0	7.470	25.279	19.757
06 9	4.1	7.060	25.551	20.018
06 9	5.9	5.490	25.845	20.418
06 9	8.0	5.460	26.453	20.900
06 9	10.7	4.530	26.894	21.336
06 9	12.9	4.850	27.465	21.984
06 9	14.9	1.030	27.936	22.402
06 9	16.7	.570	28.271	22.691
06 9	18.7	.440	28.334	22.746
06 9	20.6	.350	28.402	22.804
06 9	22.1	.260	28.459	22.853
06 9	23.6	.240	28.475	22.867
06 9	25.3	.230	28.479	22.871

S



STATION NO. 6471 1 214 MONTH 8 DAY 26



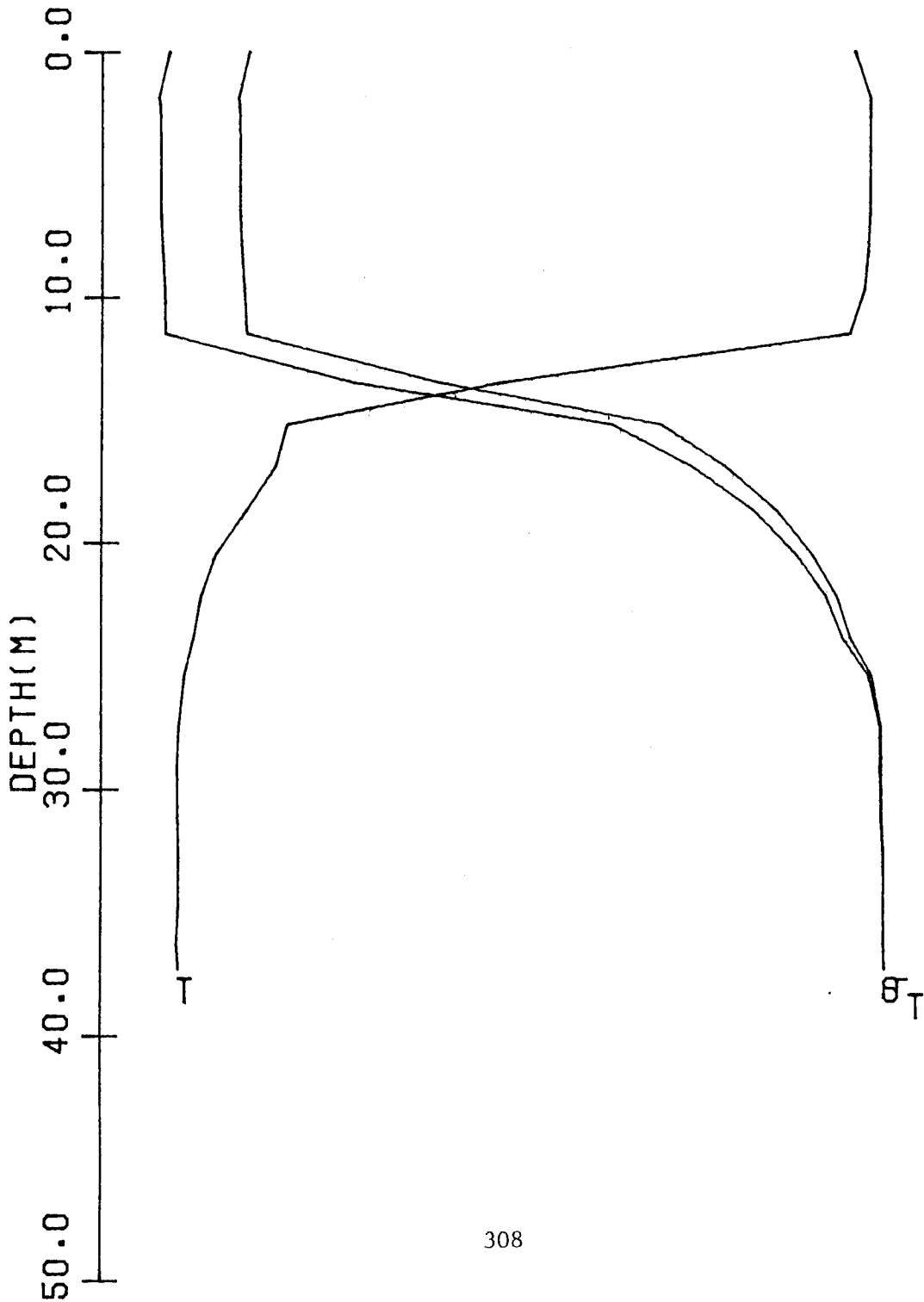
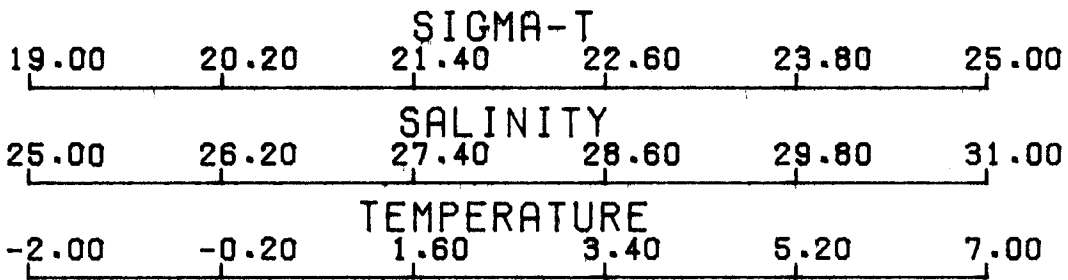
AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6471 VISIT NUM 1 CONSECUTIVE NUM 214  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 82 DEGREES 6.00 MINUTES  
 SOUNDING 20.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 115 DEG  
 TEMP DRY 6.5 C TEMP WET 6.1 C  
 PRESSURE 1012.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
841	0.0	5.300	25.627	20.265
846	1.0	5.300	25.573	20.223
846	2.0	5.290	25.573	20.223
846	2.5	5.290	25.573	20.223
846	4.1	5.330	25.577	20.223
846	5.7	5.310	25.627	20.264
846	7.5	3.990	26.435	21.019
846	8.5	1.610	28.111	22.505
846	10.0	.480	28.914	23.210
846	12.0	.480	28.921	23.216
847	14.0	.490	28.922	23.216
847	15.5	.460	28.950	23.240
847	16.7	.450	28.951	23.241
847	18.5	.450	28.957	23.246
847	19.7	.460	28.967	23.253
847	20.5	.480	28.968	23.253

S

STATION NO. 6425 1 215 MONTH 8 DAY 26



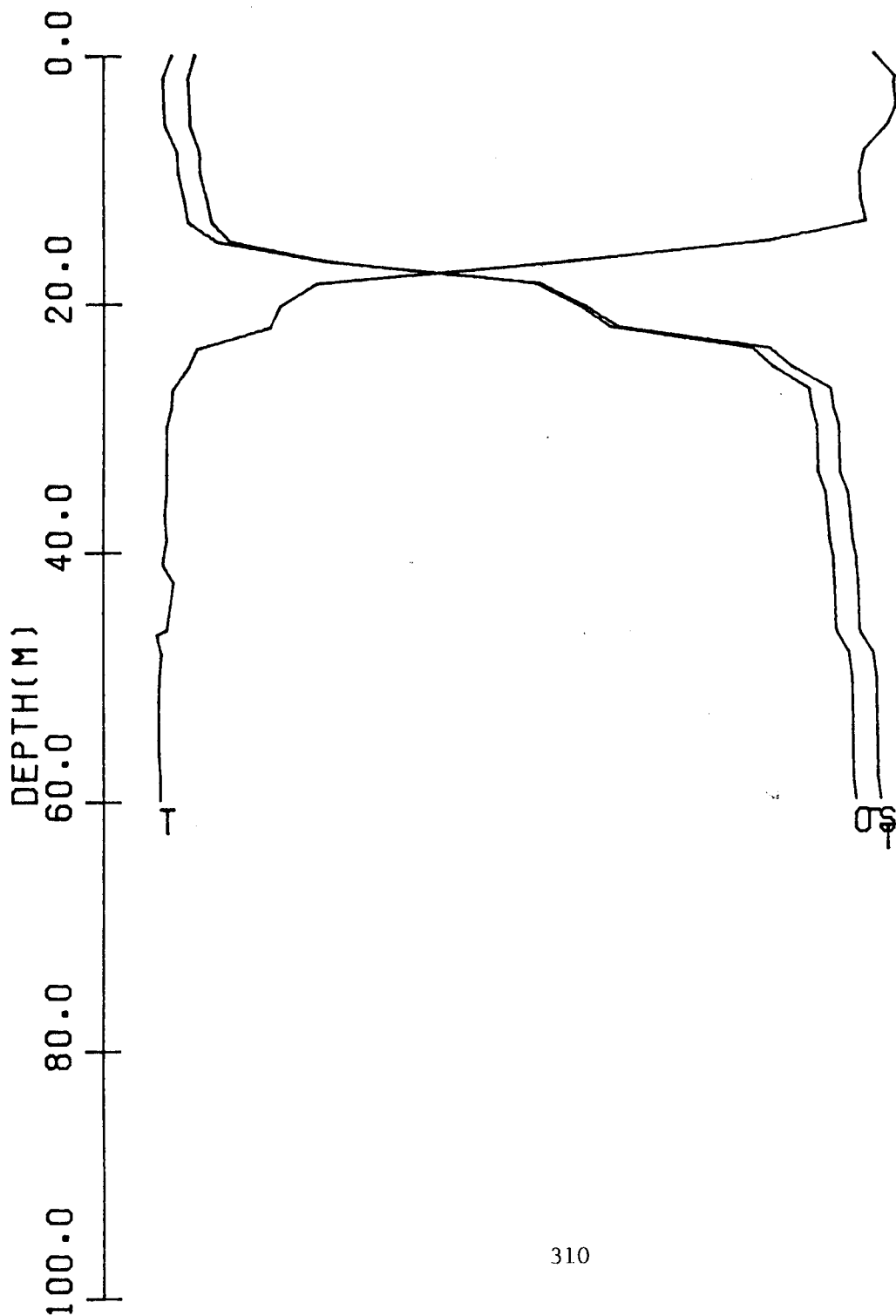
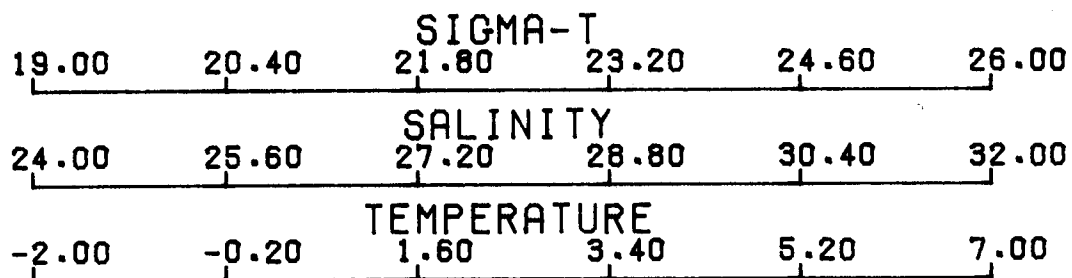
AREA SQUARE NUM 52090  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6425 VISIT NUM 1 CONSECUTIVE NUM 215  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 81 DEGREES 53.00 MINUTES  
 SOUNDING 37.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 115 DEG  
 TEMP DRY 7.0 C TEMP WET 6.8 C  
 PRESSURE 1012.2 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
936	0.0	6.200	25.486	20.063
940	1.0	6.370	25.459	19.985
940	2.2	6.370	25.418	19.992
941	3.8	6.370	25.423	19.996
941	5.5	6.370	25.423	19.996
941	6.5	6.370	25.423	19.996
941	8.1	6.350	25.437	20.009
941	9.7	6.310	25.454	20.026
941	11.5	6.150	25.458	20.047
941	13.5	2.340	26.823	21.444
941	15.2	0.000	28.704	23.059
941	16.9	-1.120	29.273	23.525
941	18.7	-1.430	29.733	23.901
941	20.5	-1.760	30.043	24.160
941	22.2	-1.920	30.260	24.340
941	23.0	-1.000	30.382	24.440
941	25.4	-1.100	30.569	24.593
941	27.5	-1.160	30.659	24.667
942	29.1	-1.180	30.665	24.670
942	31.1	-1.170	30.665	24.674
942	32.7	-1.160	30.684	24.688
942	34.7	-1.160	30.685	24.688
942	36.3	-1.180	30.686	24.690
942	37.3	-1.160	30.693	24.695

S

STATION NO. 6424 1 216 MONTH 8 DAY 26



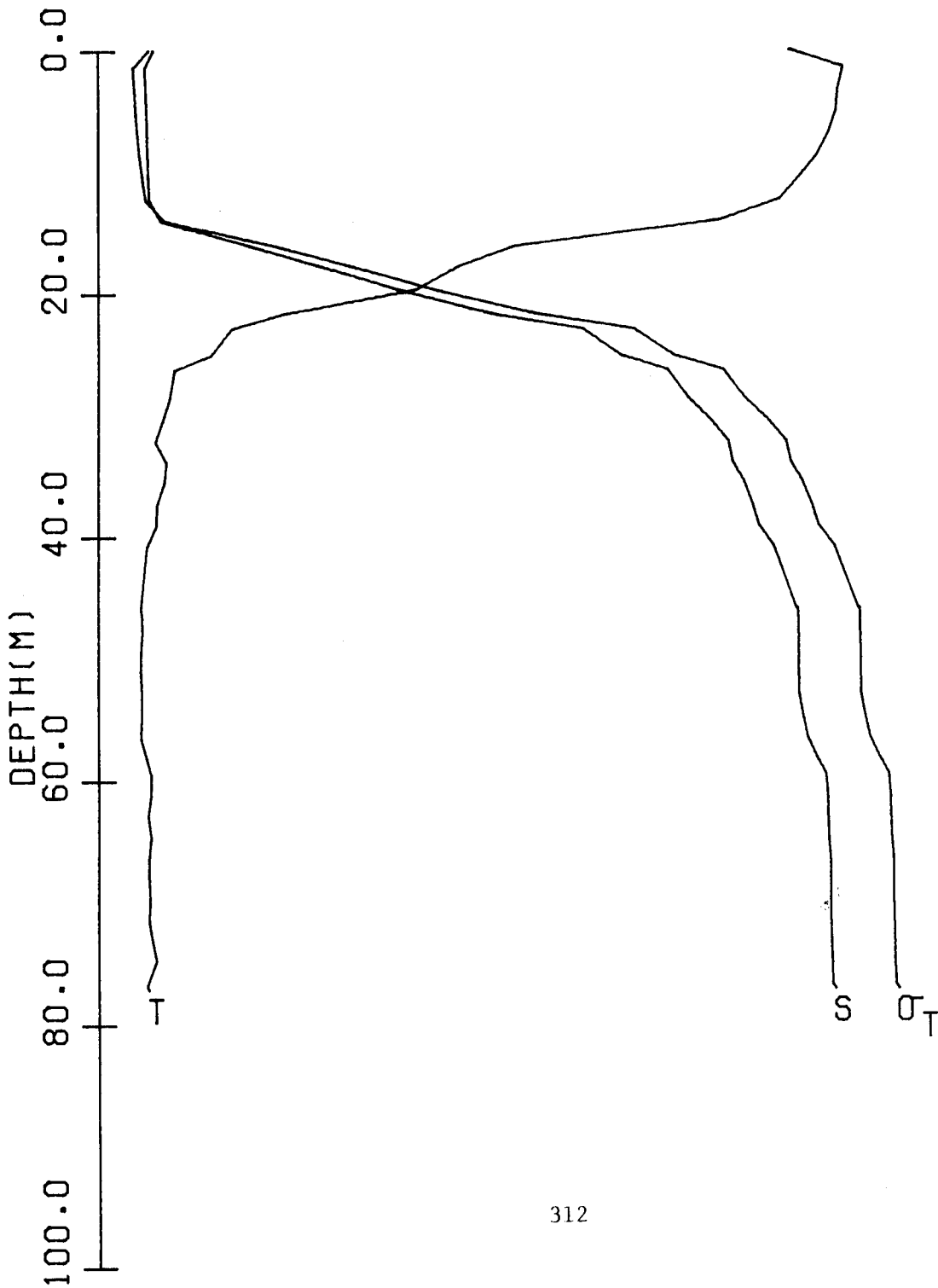
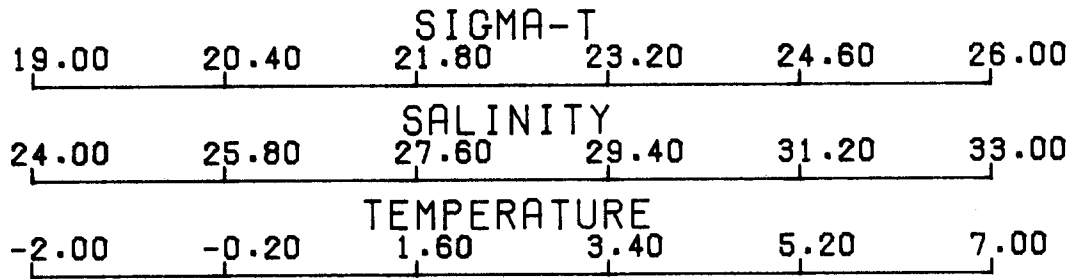
AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6424 VISIT NUM 1 CONSECUTIVE NUM 216  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 81 DEGREES 36.50 MINUTES  
 SOUNDING 65.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 94 DEG  
 TEMP DRIFT 5.8 C TEMP WET 5.6 C  
 PRESSURE 1012.1 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1035	0.0	6.300	24.966	19.566
1040	1.0	6.530	24.900	19.489
1040	2.4	6.510	24.904	19.495
1040	4.0	6.540	24.815	19.500
1040	5.7	6.450	24.818	19.512
1040	7.8	6.190	24.909	19.611
1040	9.0	6.140	24.916	19.622
1040	11.7	6.150	24.982	19.673
1040	13.5	6.210	25.030	19.704
1040	15.1	6.150	25.211	19.951
1040	16.7	3.040	26.152	20.665
1040	18.5	2.990	26.169	22.619
1040	20.3	2.110	28.609	22.986
1040	22.0	2.210	28.926	23.245
1041	23.7	-1.000	30.392	24.440
1041	25.2	-1.090	30.589	24.609
1041	27.0	-1.260	30.966	24.918
1041	28.5	-1.270	30.990	24.937
1041	29.9	-1.320	31.041	24.980
1041	32.0	-1.320	31.048	24.985
1041	33.7	-1.320	31.052	24.989
1041	35.3	-1.320	31.125	25.048
1041	37.0	-1.340	31.145	25.064
1041	39.1	-1.320	31.167	25.082
1041	40.9	-1.360	31.207	25.115
1041	41.1	-1.360	31.207	25.115
1042	42.5	-1.250	31.222	25.125
1042	46.3	-1.320	31.236	25.137
1042	46.7	-1.430	31.254	25.154
1042	48.2	-1.380	31.370	25.247
1042	50.0	-1.400	31.405	25.276
1042	52.2	-1.410	31.409	25.279
1043	54.7	-1.410	31.413	25.283
1043	55.8	-1.410	31.417	25.286
1043	58.1	-1.390	31.420	25.288
1043	59.9	-1.390	31.448	25.310

S

STATION NO. 6423 1 217 MONTH 8 DAY 26



AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6423 VISIT NUM 1 CONSECUTIVE NUM 217  
 LATITUDE 55 DEGREES 9.00 MINUTES  
 LONGITUDE 81 DEGREES 10.30 MINUTES  
 SOUNDING 85.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

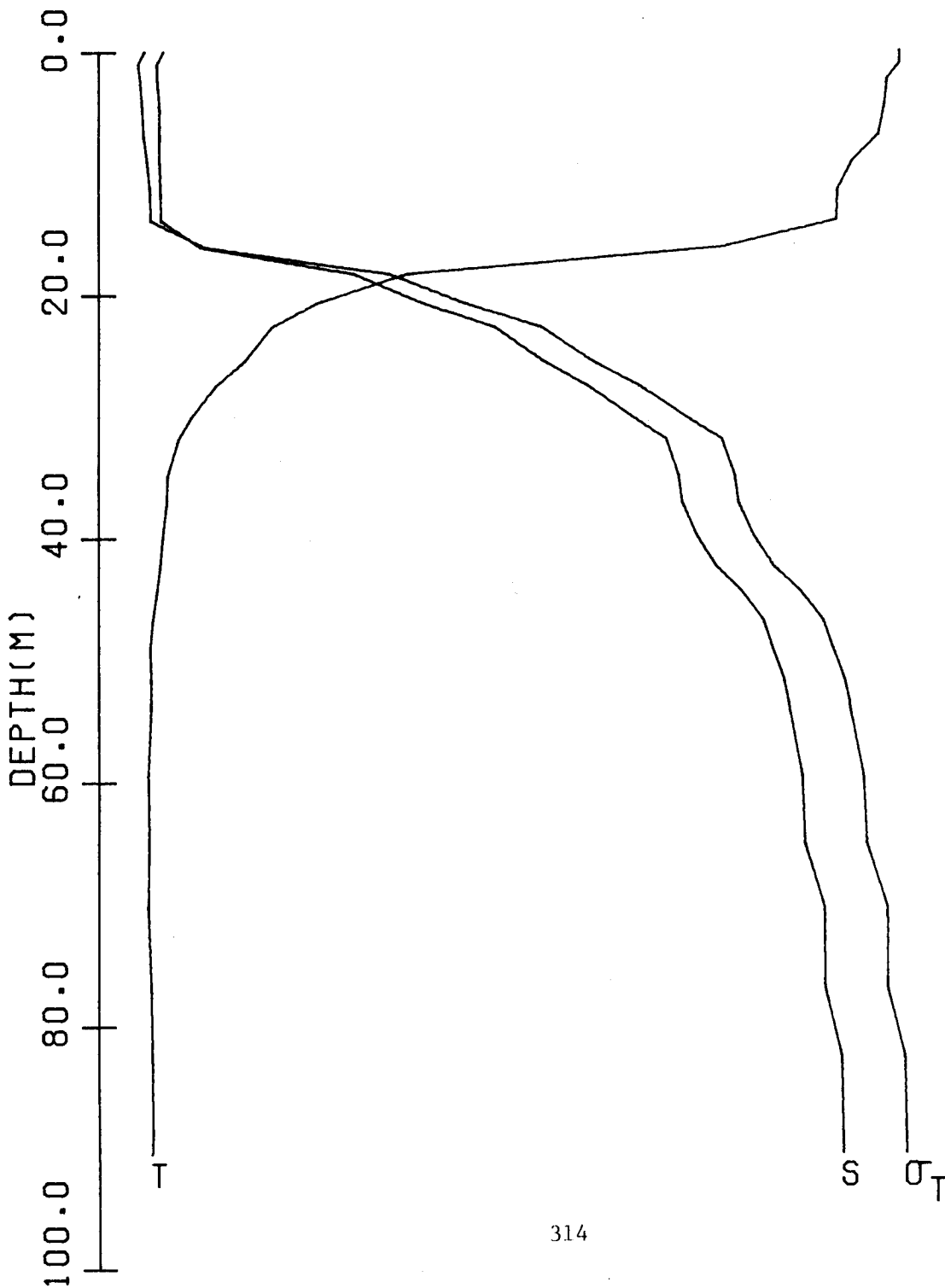
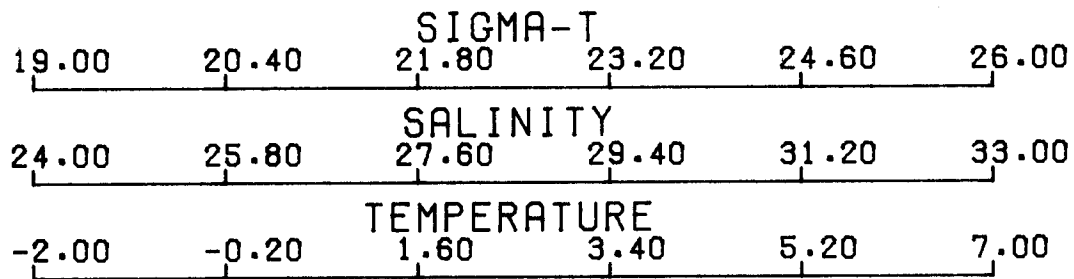
PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 120 DEG  
 TEMP DRY 7.8 C TEMP WET 7.4 C  
 PRESSURE 1011.5 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 15.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1155	0.0	5.600	24.600	19.426
1200	1.4	6.190	24.508	19.509
1201	3.3	6.130	24.516	19.509
1201	5.0	6.110	24.525	19.518
1201	6.8	6.030	24.532	19.532
1201	8.7	5.900	24.539	19.550
1201	10.4	5.710	24.547	19.575
1201	12.3	5.490	24.556	19.604
1201	14.0	4.830	24.686	19.566
1201	15.1	2.570	25.679	20.520
1201	17.7	1.970	26.417	21.142
1201	19.7	1.480	27.308	21.879
1201	21.7	.030	28.337	22.763
1201	22.0	.540	29.327	23.577
1201	25.1	.770	29.750	23.824
1201	26.3	-1.170	30.263	24.348
1201	28.6	-1.220	30.486	24.529
1202	30.7	-1.360	30.742	24.738
1202	32.2	-1.380	30.926	24.888
1202	33.0	-1.260	30.975	24.929
1202	35.5	-1.280	31.098	25.025
1202	37.4	-1.360	31.194	25.104
1202	39.1	-1.370	31.262	25.166
1202	40.8	-1.470	31.425	25.294
1202	45.9	-1.540	31.673	25.496
1202	45.9	-1.530	31.688	25.508
1202	46.4	-1.530	31.694	25.516
1203	47.7	-1.520	31.695	25.513
1203	49.6	-1.530	31.700	25.518
1203	51.4	-1.530	31.703	25.518
1203	52.0	-1.530	31.703	25.520
1203	54.6	-1.530	31.746	25.555
1203	56.5	-1.530	31.799	25.599
1204	58.1	-1.430	31.399	25.677
1204	59.5	-1.430	31.399	25.757
1204	61.1	-1.430	32.018	25.773
1204	62.9	-1.460	32.023	25.777
1204	64.6	-1.430	32.031	25.783
1204	66.6	-1.440	32.046	25.796
1205	67.9	-1.440	32.051	25.806
1205	69.9	-1.440	32.052	25.806
1205	71.4	-1.440	32.052	25.801
1205	72.0	-1.440	32.057	25.804
1205	74.7	-1.340	32.064	25.808
1205	76.8	-1.470	32.072	25.817
1206	77.1	-1.450	32.104	25.843

S



STATION NO. 6422 1 218 MONTH 8 DAY 26



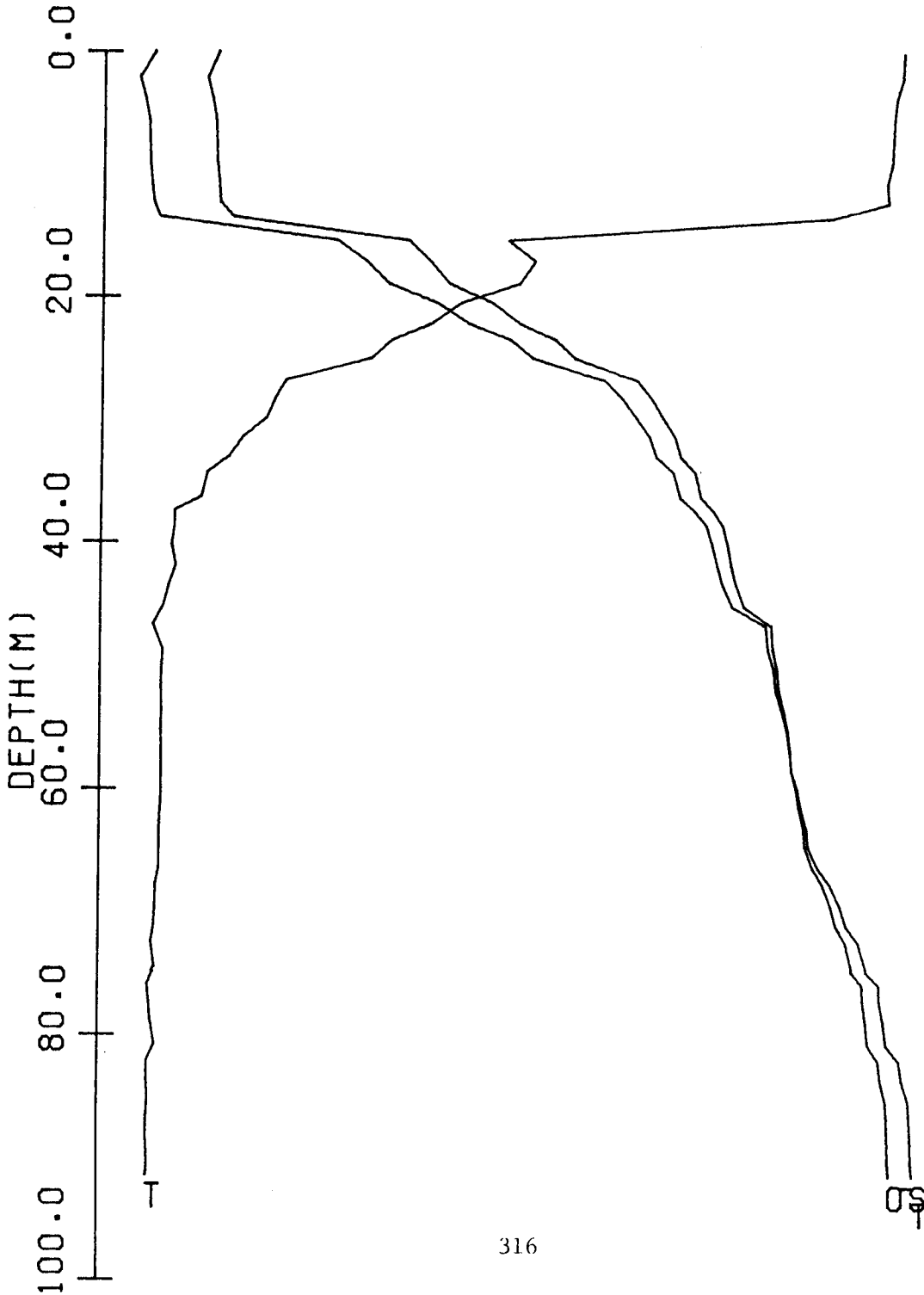
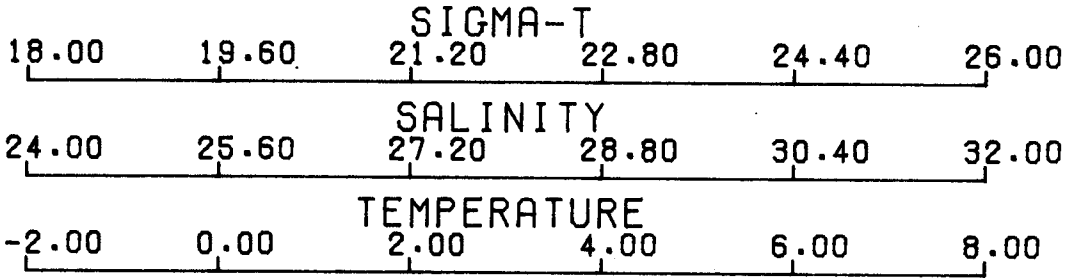
AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6422 VISIT NUM 1 CONSECUTIVE NUM 218  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 80 DEGREES 50.00 MINUTES  
 SOUNDING 102.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 140 DEG  
 TEMP DRY 8.5 C TEMP WET 8.2 C  
 PRESSURE 1015.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1312	0.0	6.800	24.709	19.388
1314	1.0	6.800	24.639	19.334
1314	2.3	6.660	24.640	19.350
1314	4.4	6.630	24.658	19.367
1315	6.9	6.560	24.664	19.380
1315	9.1	6.270	24.664	19.411
1315	11.4	6.110	24.675	19.436
1315	13.9	6.100	24.681	19.442
1315	16.1	4.850	25.114	19.902
1315	18.3	1.380	26.796	21.474
1315	20.7	.390	27.555	22.123
1315	22.7	-.110	28.356	22.783
1315	25.5	-.410	28.899	23.221
1315	27.5	-.720	29.370	23.617
1315	30.1	-.990	29.864	24.022
1315	31.9	-1.130	30.234	24.323
1315	34.9	-1.250	30.358	24.434
1315	37.1	-1.260	30.405	24.464
1315	39.7	-1.300	30.561	24.591
1316	42.4	-1.330	30.781	24.770
1316	44.3	-1.360	31.044	24.983
1316	46.8	-1.410	31.300	25.191
1316	49.1	-1.440	31.404	25.276
1316	51.5	-1.430	31.523	25.372
1316	53.5	-1.430	31.581	25.410
1316	53.8	-1.430	31.582	25.420
1316	59.5	-1.460	31.727	25.538
1316	65.1	-1.450	31.757	25.562
1317	70.3	-1.460	31.971	25.735
1317	76.0	-1.430	31.975	25.738
1317	82.5	-1.420	32.157	25.885
1317	88.6	-1.410	32.172	25.897
1317	90.0	-1.420	32.177	25.901

S

STATION NO. 6421 1 219 MONTH 8 DAY 26

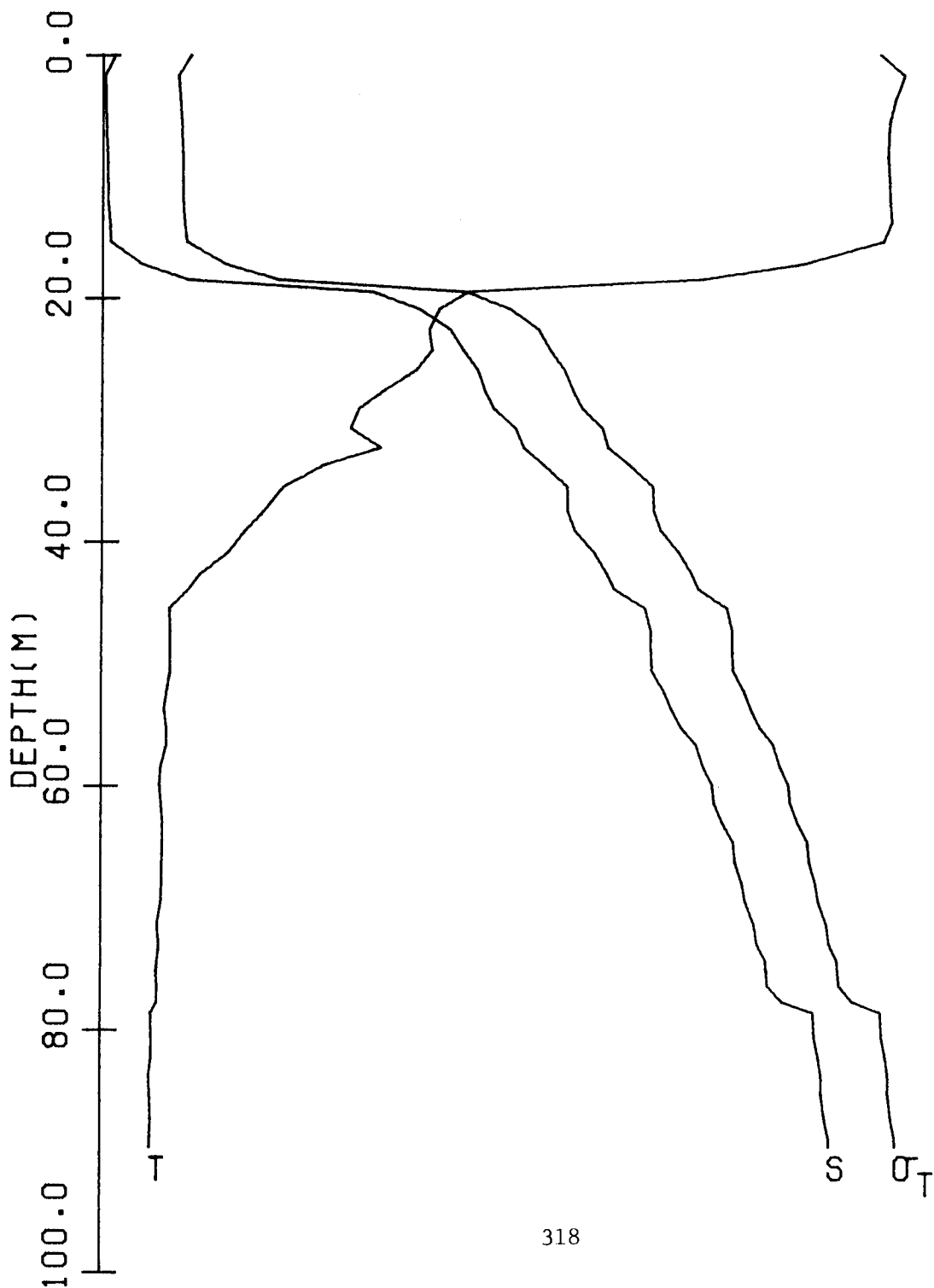
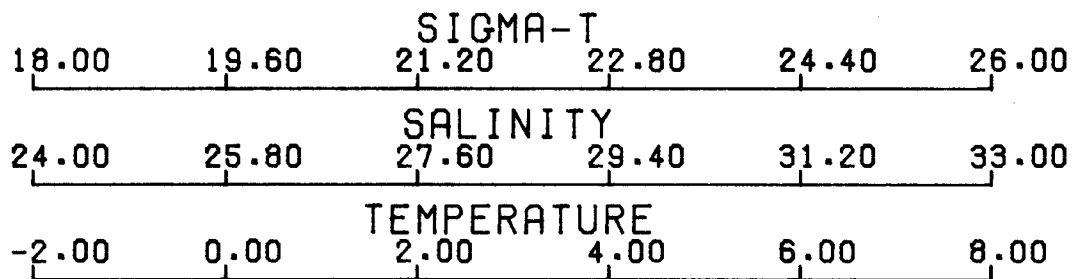


AREA SQUARE NUM 52060  
 DATE 9 MONTH 26 DAY  
 STATION NUM 6421 VISIT NUM 1 CONSECUTIVE NUM 219  
 LATITUDE 55 DEGREES 10 MINUTES  
 LONGITUDE 31 DEGREES 57 MINUTES  
 SOUNDING 0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9.0 KNTS  
 TEMP DIR 10.3 DEG  
 PRESSURE 1015.5 M BAR  
 WAVE HEIGHT M  
 SKILL DIR M  
 SECHT DISC 4.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA-T
1414	0.0	7.700	24.48	1111
1414	0.1	7.690	24.48	1111
1414	0.2	7.680	24.48	1111
1414	0.3	7.670	24.48	1111
1414	0.4	7.660	24.48	1111
1414	0.5	7.650	24.48	1111
1414	0.6	7.640	24.48	1111
1414	0.7	7.630	24.48	1111
1414	0.8	7.620	24.48	1111
1414	0.9	7.610	24.48	1111
1414	1.0	7.600	24.48	1111
1414	1.1	7.590	24.48	1111
1414	1.2	7.580	24.48	1111
1414	1.3	7.570	24.48	1111
1414	1.4	7.560	24.48	1111
1414	1.5	7.550	24.48	1111
1414	1.6	7.540	24.48	1111
1414	1.7	7.530	24.48	1111
1414	1.8	7.520	24.48	1111
1414	1.9	7.510	24.48	1111
1414	2.0	7.500	24.48	1111
1414	2.1	7.490	24.48	1111
1414	2.2	7.480	24.48	1111
1414	2.3	7.470	24.48	1111
1414	2.4	7.460	24.48	1111
1414	2.5	7.450	24.48	1111
1414	2.6	7.440	24.48	1111
1414	2.7	7.430	24.48	1111
1414	2.8	7.420	24.48	1111
1414	2.9	7.410	24.48	1111
1414	3.0	7.400	24.48	1111
1414	3.1	7.390	24.48	1111
1414	3.2	7.380	24.48	1111
1414	3.3	7.370	24.48	1111
1414	3.4	7.360	24.48	1111
1414	3.5	7.350	24.48	1111
1414	3.6	7.340	24.48	1111
1414	3.7	7.330	24.48	1111
1414	3.8	7.320	24.48	1111
1414	3.9	7.310	24.48	1111
1414	4.0	7.300	24.48	1111
1414	4.1	7.290	24.48	1111
1414	4.2	7.280	24.48	1111
1414	4.3	7.270	24.48	1111
1414	4.4	7.260	24.48	1111
1414	4.5	7.250	24.48	1111
1414	4.6	7.240	24.48	1111
1414	4.7	7.230	24.48	1111
1414	4.8	7.220	24.48	1111
1414	4.9	7.210	24.48	1111
1414	5.0	7.200	24.48	1111
1414	5.1	7.190	24.48	1111
1414	5.2	7.180	24.48	1111
1414	5.3	7.170	24.48	1111
1414	5.4	7.160	24.48	1111
1414	5.5	7.150	24.48	1111
1414	5.6	7.140	24.48	1111
1414	5.7	7.130	24.48	1111
1414	5.8	7.120	24.48	1111
1414	5.9	7.110	24.48	1111
1414	6.0	7.100	24.48	1111
1414	6.1	7.090	24.48	1111
1414	6.2	7.080	24.48	1111
1414	6.3	7.070	24.48	1111
1414	6.4	7.060	24.48	1111
1414	6.5	7.050	24.48	1111
1414	6.6	7.040	24.48	1111
1414	6.7	7.030	24.48	1111
1414	6.8	7.020	24.48	1111
1414	6.9	7.010	24.48	1111
1414	7.0	7.000	24.48	1111
1414	7.1	6.990	24.48	1111
1414	7.2	6.980	24.48	1111
1414	7.3	6.970	24.48	1111
1414	7.4	6.960	24.48	1111
1414	7.5	6.950	24.48	1111
1414	7.6	6.940	24.48	1111
1414	7.7	6.930	24.48	1111
1414	7.8	6.920	24.48	1111
1414	7.9	6.910	24.48	1111
1414	8.0	6.900	24.48	1111
1414	8.1	6.890	24.48	1111
1414	8.2	6.880	24.48	1111
1414	8.3	6.870	24.48	1111
1414	8.4	6.860	24.48	1111
1414	8.5	6.850	24.48	1111
1414	8.6	6.840	24.48	1111
1414	8.7	6.830	24.48	1111
1414	8.8	6.820	24.48	1111
1414	8.9	6.810	24.48	1111
1414	9.0	6.800	24.48	1111
1414	9.1	6.790	24.48	1111
1414	9.2	6.780	24.48	1111
1414	9.3	6.770	24.48	1111
1414	9.4	6.760	24.48	1111
1414	9.5	6.750	24.48	1111
1414	9.6	6.740	24.48	1111
1414	9.7	6.730	24.48	1111
1414	9.8	6.720	24.48	1111
1414	9.9	6.710	24.48	1111
1414	10.0	6.700	24.48	1111
1414	10.1	6.690	24.48	1111
1414	10.2	6.680	24.48	1111
1414	10.3	6.670	24.48	1111
1414	10.4	6.660	24.48	1111
1414	10.5	6.650	24.48	1111
1414	10.6	6.640	24.48	1111
1414	10.7	6.630	24.48	1111
1414	10.8	6.620	24.48	1111
1414	10.9	6.610	24.48	1111
1414	11.0	6.600	24.48	1111
1414	11.1	6.590	24.48	1111
1414	11.2	6.580	24.48	1111
1414	11.3	6.570	24.48	1111
1414	11.4	6.560	24.48	1111
1414	11.5	6.550	24.48	1111
1414	11.6	6.540	24.48	1111
1414	11.7	6.530	24.48	1111
1414	11.8	6.520	24.48	1111
1414	11.9	6.510	24.48	1111
1414	12.0	6.500	24.48	1111
1414	12.1	6.490	24.48	1111
1414	12.2	6.480	24.48	1111
1414	12.3	6.470	24.48	1111
1414	12.4	6.460	24.48	1111
1414	12.5	6.450	24.48	1111
1414	12.6	6.440	24.48	1111
1414	12.7	6.430	24.48	1111
1414	12.8	6.420	24.48	1111
1414	12.9	6.410	24.48	1111
1414	13.0	6.400	24.48	1111
1414	13.1	6.390	24.48	1111
1414	13.2	6.380	24.48	1111
1414	13.3	6.370	24.48	1111
1414	13.4	6.360	24.48	1111
1414	13.5	6.350	24.48	1111
1414	13.6	6.340	24.48	1111
1414	13.7	6.330	24.48	1111
1414	13.8	6.320	24.48	1111
1414	13.9	6.310	24.48	1111
1414	14.0	6.300	24.48	1111
1414	14.1	6.290	24.48	1111
1414	14.2	6.280	24.48	1111
1414	14.3	6.270	24.48	1111
1414	14.4	6.260	24.48	1111
1414	14.5	6.250	24.48	1111
1414	14.6	6.240	24.48	1111
1414	14.7	6.230	24.48	1111
1414	14.8	6.220	24.48	1111
1414	14.9	6.210	24.48	1111
1414	15.0	6.200	24.48	1111
1414	15.1	6.190	24.48	1111
1414	15.2	6.180	24.48	1111
1414	15.3	6.170	24.48	1111
1414	15.4	6.160	24.48	1111
1414	15.5	6.150	24.48	1111
1414	15.6	6.140	24.48	1111
1414	15.7	6.130	24.48	1111
1414	15.8	6.120	24.48	1111
1414	15.9	6.110	24.48	1111
1414	16.0	6.100	24.48	1111
1414	16.1	6.090	24.48	1111
1414	16.2	6.080	24.48	1111
1414	16.3	6.070	24.48	1111
1414	16.4	6.060	24.48	1111
1414	16.5	6.050	24.48	1111
1414	16.6	6.040	24.48	1111
1414	16.7	6.030	24.48	1111
1414	16.8	6.020	24.48	1111
1414	16.9	6.010	24.48	1111
1414	17.0	6.000	24.48	1111
1414	17.1	5.990	24.48	1111
1414	17.2	5.980	24.48	1111
1414	17.3	5.970	24.48	1111
1414	17.4	5.960	24.48	1111
1414	17.5	5.950	24.48	1111
1414	17.6	5.940	24.48	1111
1414	17.7	5.930	24.48	1111
1414	17.8	5.920	24.48	1111
1414	17.9	5.910	24.48	1111
1414	18.0	5.900	24.48	1111
1414	18.1	5.890	24.48	1111
1414	18.2	5.880	24.48	1111
1414	18.3	5.870	24.48	1111
1414	18.4	5.860	24.48	1111
1414	18.5	5.850	24.48	1111
1414	18.6	5.840	24.48	1111
1414	18.7	5.830	24.48	1111
1414	18.8	5.820	24.48	1111
1414	18.9	5.810	24.48	1111
1414	19.0	5.800	24.48	1111
1414	19.1	5.790	24.48	1111
1414	19.2	5.780	24.48	1111
1414	19.3	5.770	24.48	1111
1414	19.4	5.760	24.48	1111
1414	19.5	5.750	24.48	1111
1414	19.6	5.740	24.48	1111
1414	19.7	5.730	24.48	1111
1414	19.8	5.720	24.48	1111
1414	19.9	5.710	24.48	1111
1414	20.0	5.700	24.48	1111
1414	20.1	5.690	24.48	1111
1414	20.2	5.680	24.48	1111
1414	20.3	5.670	24.48	1111
1414	20.4	5.660	24.48	1111
1414	20.5	5.650	24.48	1111
1414	20.6	5.640	24.48	1111
1414	20.7	5.630	24.48	1111
1414	20.8	5.620	24.48	1111
1414	20.9	5.610	24.48	1111
1414	21.0	5.600	24.48	1111
1414	21.1	5.590	24.48	1111
1414	21.2	5.580	24.48	1111
1414	21.3	5.570	24.48	1111
1414	21.4	5.560	24.48	1111
1414	21.5	5.550	24.48	1111
1414	21.6	5.540	24.48	1111
1414	21.7	5.530	24.48	1111
1414	21.8	5.520	24.48	1111
1414	21.9	5.510	24.48	1111
1414	22.0	5.500	24.48	1111
1414	22.1	5.490	24.48	1111
1414	22.2	5.480	24.48	1111
1414	22.3	5.470	24.48	1111
1414	22.4	5.460	24.48	1111
1414	22.5	5.450	24.48	1111
1414	22.6	5.440	24.48	1111
1414	22.7	5.430	24.48	1111
1414	22.8	5.420	24.48	1111
1414	22.9	5.410	24.48	1111
1414	23.0	5.400	24.48	1111
1414	23.1	5.390	24.48	1111
1414	23.			

STATION NO. 6463 1 220 MONTH 8 DAY 26

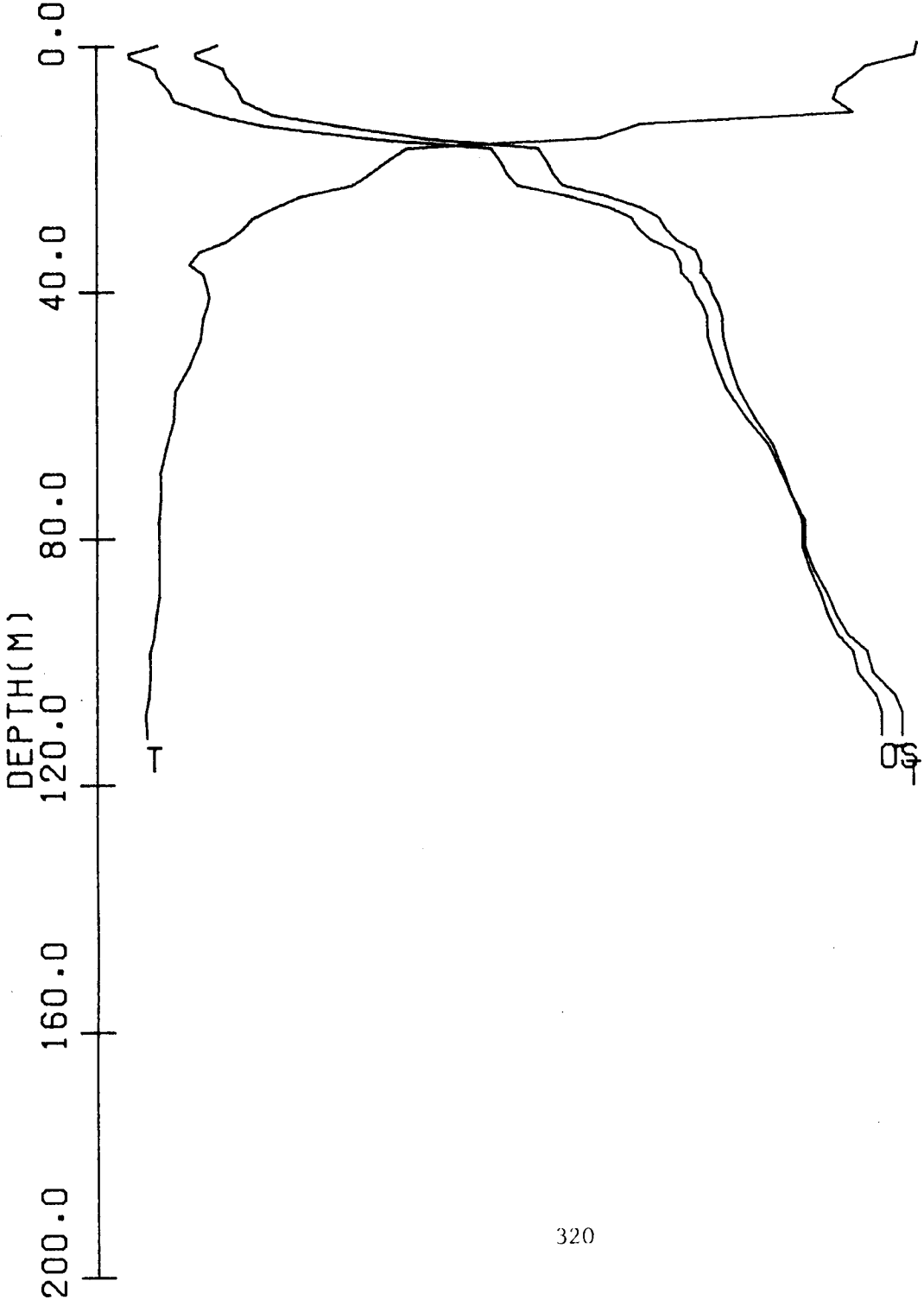
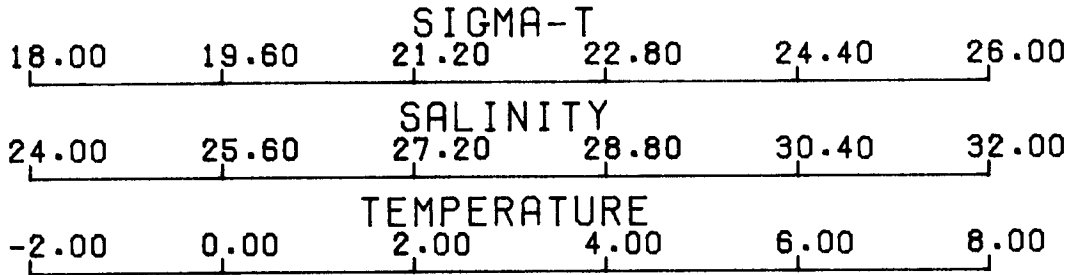


AREA SQUARE NUM 520 80  
 DATE 5 MONTH 26 DAY  
 STATION NUM 6463 VISIT NUM 1 CONSECUTIVE NUM 224  
 LATITUDE 55 DEGREE 10.00 MINUTE  
 LONGITUDE 80 DEGREE 18.50 MINUTE  
 COUNTDOWN 0 METERS SNOW THICKNESS CM  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS  
 WIND DIR 30 DEG  
 TEMP 9.0 C  
 WAVE HEIGHT 10.0 M  
 SWELL DIR 0.0 M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
15 02	0.0	7.5600	24.1322	18.8556
15 04	0.2	7.7900	24.0222	18.7366
15 06	0.4	7.7700	24.0244	18.7440
15 08	0.6	7.6900	24.0299	18.7514
15 10	0.8	7.6100	24.0336	18.7688
15 12	1.0	7.5300	24.0400	18.7733
15 14	1.2	7.5500	24.0444	18.7781
15 16	1.4	7.5900	24.0511	18.7811
15 18	1.6	7.6100	24.0557	18.7822
15 20	1.8	7.6400	24.0611	18.7881
15 22	2.0	7.6500	24.0677	18.7977
15 24	2.2	7.5400	24.0700	18.8119
15 26	2.4	6.5700	24.4333	19.1977
15 28	2.6	6.3300	24.3333	19.7114
15 30	2.8	6.4600	24.3966	19.5544
15 32	3.0	2.1000	24.7777	22.2811
15 34	3.2	1.9300	24.3111	22.2550
15 36	3.4	2.0200	24.7999	22.3755
15 38	3.6	1.3300	24.1233	22.5511
15 40	3.8	1.4100	24.2077	22.6011
15 42	4.0	1.1300	24.2999	22.6888
15 44	4.2	1.0300	24.5555	22.8888
15 46	4.4	1.0300	24.6222	22.9555
15 48	4.6	1.7100	24.3999	24.1677
15 50	4.8	2.2100	24.0999	23.3777
15 52	5.0	2.0300	24.1111	23.3911
15 54	5.2	2.2800	24.0999	23.4500
15 56	5.4	2.4700	24.0999	23.5344
15 58	5.6	2.8100	24.0999	23.7666
16 00	5.8	2.9500	24.0999	23.8311
16 02	6.0	2.9500	24.0999	23.8311
16 04	6.2	2.9500	24.0999	23.8311
16 06	6.4	2.9500	24.0999	23.8311
16 08	6.6	2.9500	24.0999	23.8311
16 10	6.8	2.9500	24.0999	23.8311
16 12	7.0	2.9500	24.0999	23.8311
16 14	7.2	2.9500	24.0999	23.8311
16 16	7.4	2.9500	24.0999	23.8311
16 18	7.6	2.9500	24.0999	23.8311
16 20	7.8	2.9500	24.0999	23.8311
16 22	8.0	2.9500	24.0999	23.8311
16 24	8.2	2.9500	24.0999	23.8311
16 26	8.4	2.9500	24.0999	23.8311
16 28	8.6	2.9500	24.0999	23.8311
16 30	8.8	2.9500	24.0999	23.8311
16 32	9.0	2.9500	24.0999	23.8311
16 34	9.2	2.9500	24.0999	23.8311
16 36	9.4	2.9500	24.0999	23.8311
16 38	9.6	2.9500	24.0999	23.8311
16 40	9.8	2.9500	24.0999	23.8311
16 42	10.0	2.9500	24.0999	23.8311
16 44	10.2	2.9500	24.0999	23.8311
16 46	10.4	2.9500	24.0999	23.8311
16 48	10.6	2.9500	24.0999	23.8311
16 50	10.8	2.9500	24.0999	23.8311
16 52	11.0	2.9500	24.0999	23.8311
16 54	11.2	2.9500	24.0999	23.8311
16 56	11.4	2.9500	24.0999	23.8311
16 58	11.6	2.9500	24.0999	23.8311
17 00	11.8	2.9500	24.0999	23.8311
17 02	12.0	2.9500	24.0999	23.8311
17 04	12.2	2.9500	24.0999	23.8311
17 06	12.4	2.9500	24.0999	23.8311
17 08	12.6	2.9500	24.0999	23.8311
17 10	12.8	2.9500	24.0999	23.8311
17 12	13.0	2.9500	24.0999	23.8311
17 14	13.2	2.9500	24.0999	23.8311
17 16	13.4	2.9500	24.0999	23.8311
17 18	13.6	2.9500	24.0999	23.8311
17 20	13.8	2.9500	24.0999	23.8311
17 22	14.0	2.9500	24.0999	23.8311
17 24	14.2	2.9500	24.0999	23.8311
17 26	14.4	2.9500	24.0999	23.8311
17 28	14.6	2.9500	24.0999	23.8311
17 30	14.8	2.9500	24.0999	23.8311
17 32	15.0	2.9500	24.0999	23.8311
17 34	15.2	2.9500	24.0999	23.8311
17 36	15.4	2.9500	24.0999	23.8311
17 38	15.6	2.9500	24.0999	23.8311
17 40	15.8	2.9500	24.0999	23.8311
17 42	16.0	2.9500	24.0999	23.8311
17 44	16.2	2.9500	24.0999	23.8311
17 46	16.4	2.9500	24.0999	23.8311
17 48	16.6	2.9500	24.0999	23.8311
17 50	16.8	2.9500	24.0999	23.8311
17 52	17.0	2.9500	24.0999	23.8311
17 54	17.2	2.9500	24.0999	23.8311
17 56	17.4	2.9500	24.0999	23.8311
17 58	17.6	2.9500	24.0999	23.8311
18 00	17.8	2.9500	24.0999	23.8311
18 02	18.0	2.9500	24.0999	23.8311
18 04	18.2	2.9500	24.0999	23.8311
18 06	18.4	2.9500	24.0999	23.8311
18 08	18.6	2.9500	24.0999	23.8311
18 10	18.8	2.9500	24.0999	23.8311
18 12	19.0	2.9500	24.0999	23.8311
18 14	19.2	2.9500	24.0999	23.8311
18 16	19.4	2.9500	24.0999	23.8311
18 18	19.6	2.9500	24.0999	23.8311
18 20	19.8	2.9500	24.0999	23.8311
18 22	20.0	2.9500	24.0999	23.8311
18 24	20.2	2.9500	24.0999	23.8311
18 26	20.4	2.9500	24.0999	23.8311
18 28	20.6	2.9500	24.0999	23.8311
18 30	20.8	2.9500	24.0999	23.8311
18 32	21.0	2.9500	24.0999	23.8311
18 34	21.2	2.9500	24.0999	23.8311
18 36	21.4	2.9500	24.0999	23.8311
18 38	21.6	2.9500	24.0999	23.8311
18 40	21.8	2.9500	24.0999	23.8311
18 42	22.0	2.9500	24.0999	23.8311
18 44	22.2	2.9500	24.0999	23.8311
18 46	22.4	2.9500	24.0999	23.8311
18 48	22.6	2.9500	24.0999	23.8311
18 50	22.8	2.9500	24.0999	23.8311
18 52	23.0	2.9500	24.0999	23.8311
18 54	23.2	2.9500	24.0999	23.8311
18 56	23.4	2.9500	24.0999	23.8311
18 58	23.6	2.9500	24.0999	23.8311
19 00	23.8	2.9500	24.0999	23.8311
19 02	24.0	2.9500	24.0999	23.8311

STATION NO. 6462 1 221 MONTH 8 DAY 26



AREA SQUARE NUM 520 RJ  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6462 VISIT NUM 1 CONSECUTIVE NUM 221  
 LATITUDE 55 DEGREES 00 MINUTES  
 LONGITUDE 80 DEGREES 11.00 MINUTES  
 SOUNDING 122.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

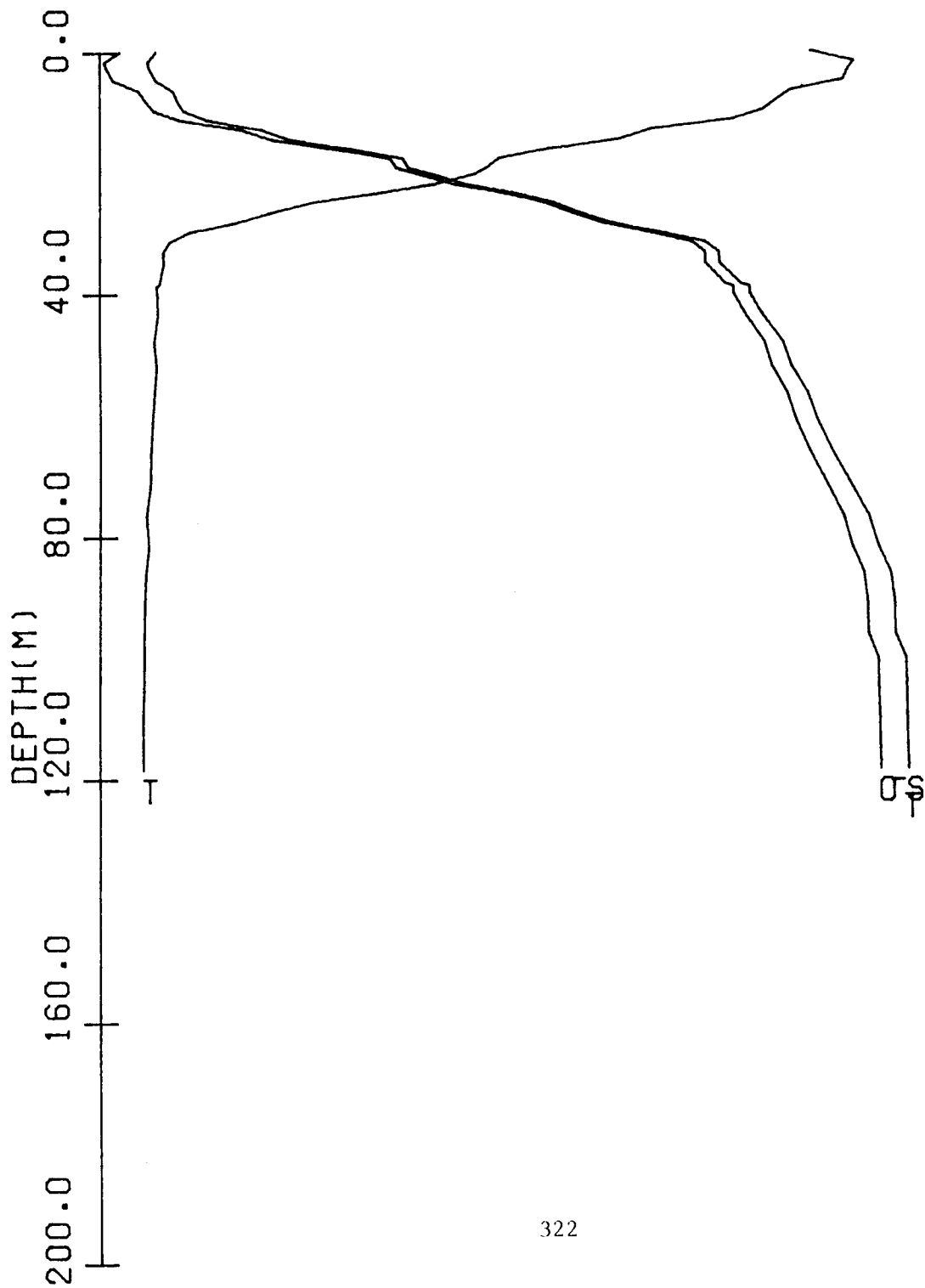
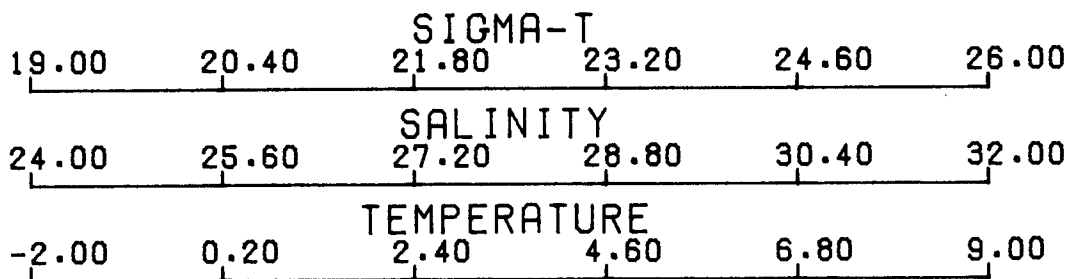
PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 160 DEG  
 TEMP DRIFT 8.9 C TEMP WET 3.3 C  
 PRESSURE 1009.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1611	0.0	7.900	24.587	19.163
1613	1.3	7.870	24.309	19.090
1613	1.9	7.860	24.316	19.095
1613	3.2	7.270	24.563	19.220
1613	5.3	7.140	24.588	19.255
1613	7.2	6.930	24.592	19.361
1613	9.1	6.880	24.749	19.411
1613	11.3	7.120	25.141	19.690
1613	13.1	4.550	25.598	20.310
1613	15.3	4.060	26.647	21.181
1613	17.0	1.730	27.505	22.262
1613	19.3	1.470	27.902	22.354
1613	21.1	1.290	27.955	22.405
1614	23.0	1.070	28.058	22.490
1614	24.7	.460	28.533	22.905
1614	26.7	.110	28.956	23.256
1614	28.3	-.130	29.155	23.426
1614	30.0	-.250	29.277	23.488
1614	32.0	-.440	29.352	23.594
1614	33.7	-.770	29.573	23.781
1614	35.7	-.890	29.632	23.832
1614	37.3	-.720	29.633	23.833
1614	39.1	-.680	29.733	23.913
1614	40.8	-.650	29.780	23.945
1614	42.4	-.670	29.842	23.996
1614	44.4	-.720	29.899	24.036
1615	47.7	-.750	29.939	24.043
1615	52.2	-.890	29.988	24.114
1615	55.3	-1.060	30.078	24.196
1615	58.9	-1.080	30.268	24.350
1615	65.4	-1.170	30.488	24.530
1615	69.4	-1.240	30.500	24.522
1616	73.3	-1.230	30.704	24.705
1616	77.5	-1.260	30.934	24.811
1616	81.8	-1.250	30.833	24.813
1616	85.9	-1.250	30.921	24.881
1616	89.7	-1.250	31.050	24.986
1616	92.8	-1.290	31.134	25.054
1617	96.1	-1.320	31.251	25.150
1617	99.7	-1.370	31.432	25.297
1617	102.3	-1.360	31.494	25.347
1617	105.9	-1.380	31.704	25.517
1617	108.7	-1.420	31.773	25.574
1617	112.4	-1.400	31.775	25.575

S



STATION NO. 6461 1 222 MONTH 8 DAY 26



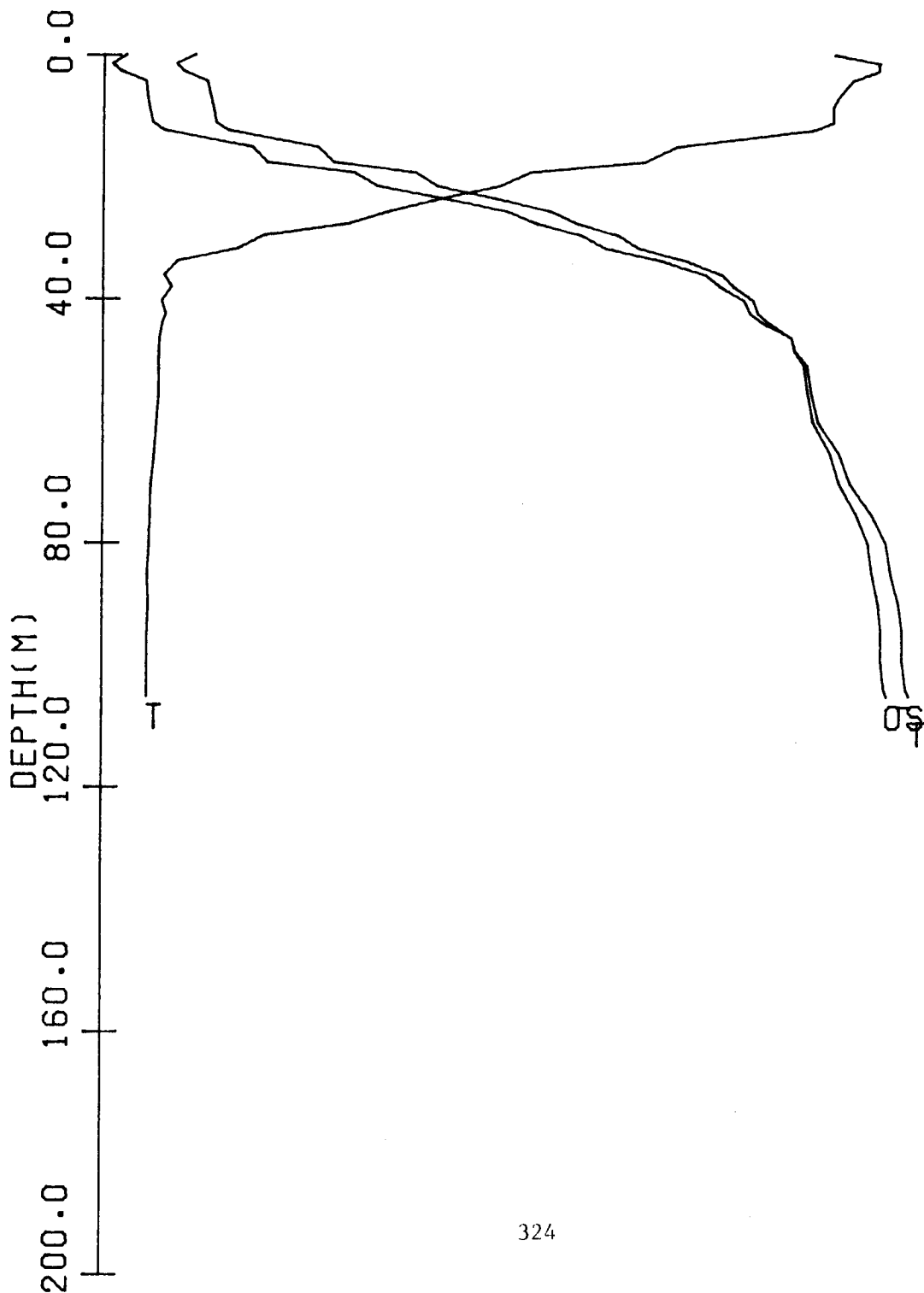
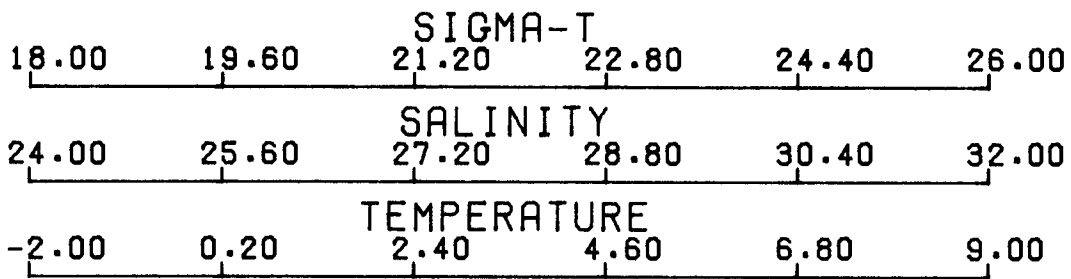
AREA SQUARE NUM 520 80  
 DATE 9 MONTH 26 DAY  
 STATION NUM 6461 VISIT NUM 1 CONSECUTIVE NUM 222  
 LATITUDE 54 DEGREES 52.50 MINUTES  
 LONGITUDE 80 DEGREES 8.00 MINUTES  
 SOUNDING 128.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNOTS WIND DIR 180 DEG  
 TEMP DRY 8.6 C TEMP WET 8.0 C  
 PRESSURE 1018.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 10.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
17 5	0.0	7.600	24.544	19.166
17 7	1.5	8.180	24.468	19.035
17 7	2.7	8.110	24.482	19.055
17 7	4.7	8.030	24.549	19.117
17 7	6.4	7.320	24.717	19.335
17 7	8.0	7.120	24.759	19.391
17 7	9.7	6.950	24.820	19.460
17 7	11.2	6.530	25.049	19.685
17 7	12.9	5.450	25.577	20.211
17 7	14.5	4.990	25.871	20.486
17 7	16.1	4.050	26.458	21.632
17 7	17.8	3.360	26.070	21.490
17 7	19.2	3.210	27.023	21.945
17 8	20.3	3.040	27.266	22.150
17 8	21.9	2.510	27.591	22.045
17 8	23.3	1.820	28.039	22.444
17 8	24.9	.870	29.442	22.815
17 8	26.5	.340	29.685	23.032
17 8	28.8	-.160	29.002	23.307
17 8	29.9	-.790	29.946	23.696
17 8	31.5	-1.070	29.943	24.087
17 8	33.1	-1.150	30.080	24.199
17 8	35.0	-1.140	30.089	24.206
17 8	38.4	-1.200	30.300	24.378
17 8	38.8	-1.240	30.384	24.447
17 8	40.0	-1.230	30.388	24.450
17 9	43.4	-1.220	30.508	24.547
17 9	48.0	-1.270	30.716	24.716
17 9	52.0	-1.240	30.799	24.782
17 9	56.3	-1.270	30.959	24.912
17 9	61.0	-1.300	31.061	24.996
17 9	66.1	-1.320	31.209	25.116
17 10	71.5	-1.330	31.393	25.265
17 10	76.5	-1.340	31.560	25.401
17 10	81.0	-1.350	31.656	25.478
17 10	85.0	-1.390	31.770	25.571
17 10	90.0	-1.400	31.907	25.601
17 10	96.0	-1.410	31.914	25.607
17 11	100.1	-1.410	31.920	25.609
17 11	104.7	-1.410	31.927	25.609
17 11	109.4	-1.420	31.935	25.705
17 11	114.3	-1.420	31.942	25.711
17 11	118.4	-1.420	31.949	25.717

S

STATION NO. 6501 1 223 MONTH 8 DAY 26

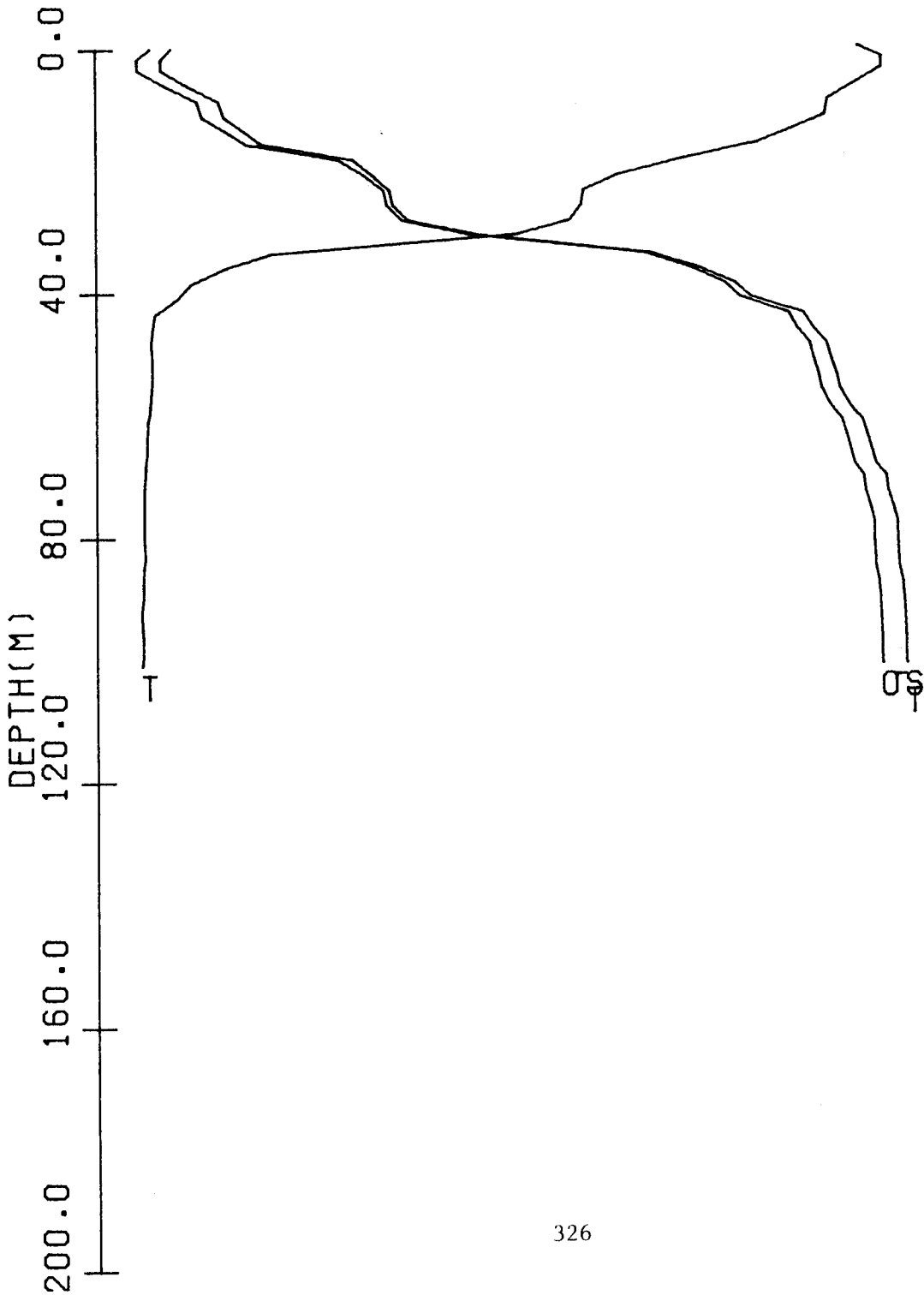
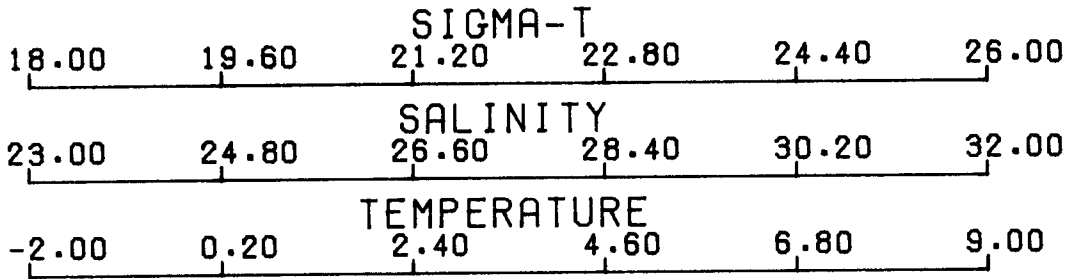


AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6501 VISIT NUM 1 CONSECUTIVE NUM 223  
 LATITUDE 54 DEGREES 52.50 MINUTES  
 LONGITUDE 80 DEGREES 2.50 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 190 DEG  
 TEMP DAY 8.8 C TEMP WET 8.5 C  
 PRESSURE 1008.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T	
1732	0.0	7.800	24.213	18.884	S
1734	1.4	8.410	24.079	18.703	
1734	1.6	8.390	24.092	18.715	
1734	2.7	8.390	24.171	18.777	
1734	4.3	8.030	24.406	19.006	
1734	6.7	7.860	24.424	19.041	
1734	8.5	7.770	24.442	19.066	
1734	11.1	7.770	24.475	19.092	
1734	12.3	7.520	24.584	19.207	
1734	15.1	5.670	25.444	20.085	
1734	17.3	5.250	25.385	20.237	
1734	19.3	3.710	26.434	21.040	
1734	21.5	3.310	26.561	21.250	
1734	23.5	2.560	27.277	21.792	
1735	25.7	1.810	27.929	22.357	
1735	27.7	1.260	28.220	22.610	
1735	29.6	.140	28.648	23.009	
1735	31.8	-.210	28.333	23.218	
1735	33.8	-1.010	29.435	23.676	
1735	35.1	-1.190	29.871	24.031	
1735	38.1	-1.090	30.017	24.147	
1735	40.3	-1.220	30.248	24.337	
1735	42.5	-1.170	30.311	24.386	
1735	43.8	-1.210	30.424	24.479	
1735	46.4	-1.250	30.712	24.712	
1735	48.7	-1.260	30.749	24.742	
1735	51.0	-1.260	30.365	24.836	
1736	55.3	-1.260	30.306	24.869	
1736	60.3	-1.290	30.977	24.927	
1736	65.4	-1.320	31.181	25.093	
1736	70.4	-1.360	31.292	25.184	
1736	75.4	-1.370	31.505	25.356	
1736	80.1	-1.380	31.645	25.470	
1737	85.1	-1.400	31.692	25.508	
1737	89.9	-1.390	31.768	25.566	
1737	94.6	-1.400	31.804	25.599	
1737	99.4	-1.400	31.804	25.599	
1737	104.1	-1.400	31.843	25.630	
1737	105.1	-1.400	31.872	25.654	

STATION NO. 6502 1 224 MONTH 8 DAY 26



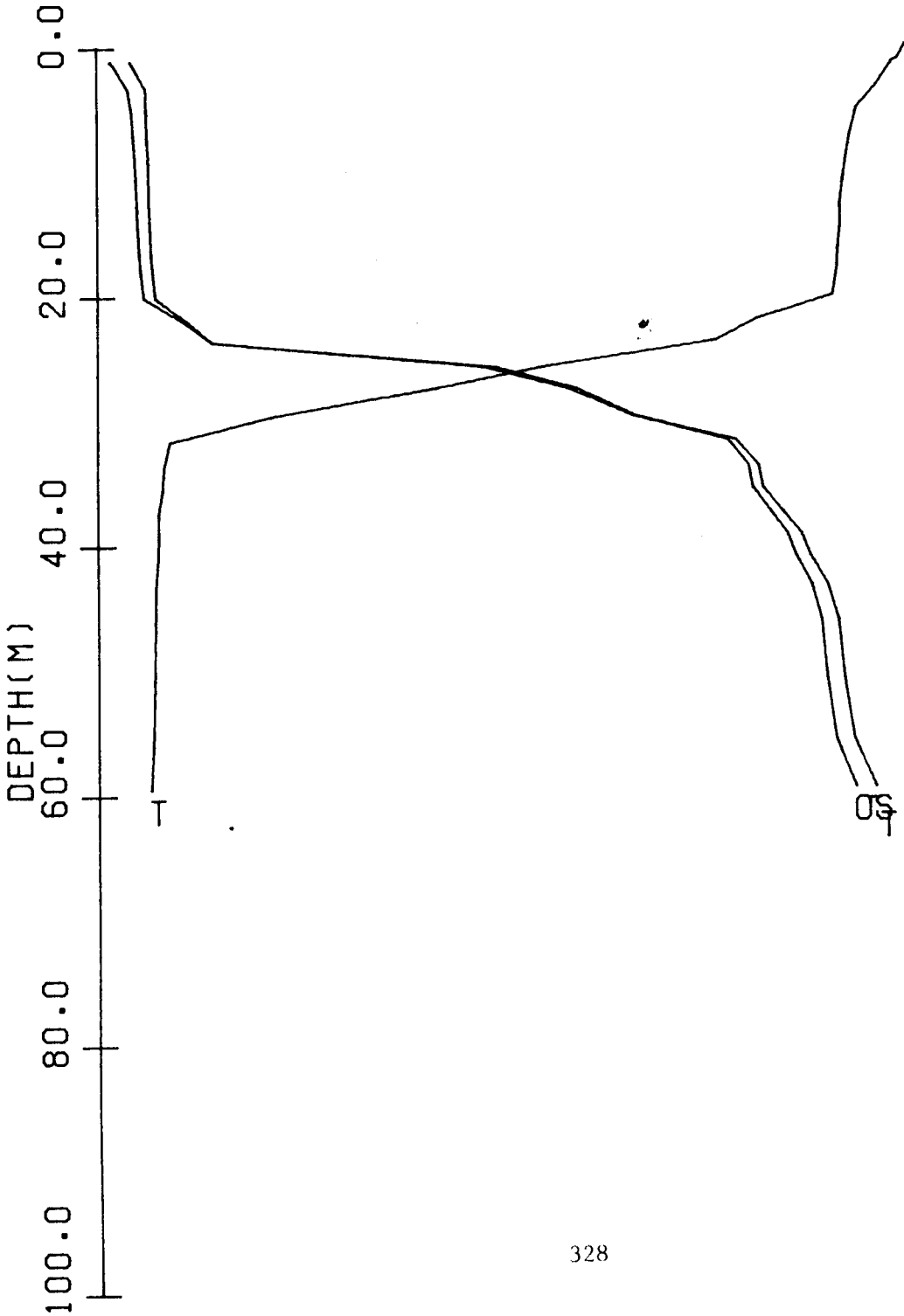
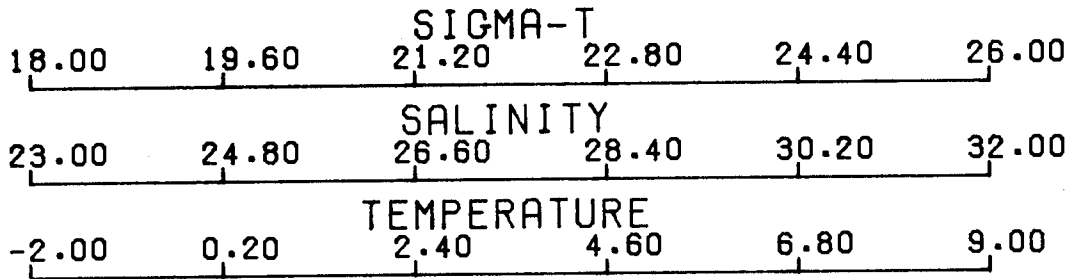
AREA SQUARE NUM 52075  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6502 VISIT NUM 1 CONSECUTIVE NUM 224  
 LATITUDE 54 DEGREES 55.50 MINUTES  
 LONGITUDE 79 DEGREES 53.00 MINUTES  
 SOUNDING 111.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 180 DEG  
 TEMP DEPT 9.2 C TEMP WET 8.8 C  
 PRESSURE 1008.5 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1810	0.0	8.200	23.916	18.524
1821	1.7	8.520	23.701	18.394
1821	1.9	8.510	23.706	18.399
1821	3.5	8.510	23.706	18.399
1821	6.0	8.150	23.993	18.660
1821	8.6	7.790	24.329	18.975
1821	11.2	7.750	24.389	19.027
1821	13.4	7.310	24.598	19.243
1821	15.7	6.840	24.799	19.454
1821	18.3	6.330	25.003	19.651
1821	20.0	5.960	25.024	19.610
1822	23.4	4.510	26.208	20.796
1822	25.8	4.490	26.244	20.827
1822	28.2	3.330	26.412	20.972
1822	30.7	3.630	27.157	21.200
1822	33.3	3.340	29.007	23.339
1822	35.9	2.260	29.958	23.755
1822	38.8	1.750	29.999	24.121
1822	40.0	1.020	30.176	24.272
1822	43.3	-1.230	30.730	24.743
1822	45.6	-1.260	30.953	24.826
1822	48.3	-1.280	31.002	24.947
1822	51.1	-1.260	31.054	24.989
1822	53.9	-1.270	31.111	25.035
1822	56.8	-1.270	31.148	25.065
1822	59.9	-1.290	31.241	25.141
1823	55.0	-1.300	31.310	25.197
1823	61.0	-1.320	31.388	25.260
1823	63.5	-1.330	31.441	25.303
1823	65.7	-1.330	31.484	25.338
1823	68.8	-1.350	31.533	25.378
1823	70.0	-1.360	31.645	25.469
1824	72.0	-1.370	31.668	25.488
1824	75.0	-1.370	31.725	25.534
1824	77.0	-1.370	31.767	25.568
1824	80.0	-1.370	31.772	25.572
1824	83.0	-1.360	31.782	25.580
1824	84.7	-1.380	31.789	25.586
1825	87.9	-1.390	31.827	25.617
1825	89.2	-1.390	31.840	25.628
1825	90.2	-1.410	31.850	25.636
1825	94.7	-1.400	31.858	25.642
1825	96.6	-1.390	31.866	25.649
1825	99.9	-1.390	31.866	25.649
1826	100.0	-1.400	31.870	25.652
1826	101.0	-1.400	31.875	25.656

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STATION NO. 6511 2 225 MONTH 8 DAY 26



AREA SQUARE NUM 52075  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6511 VISIT NUM 2 CONSECUTIVE NUM 225  
 LATITUDE 54 DEGREES 50.00 MINUTES  
 LONGITUDE 79 DEGREES 44.50 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

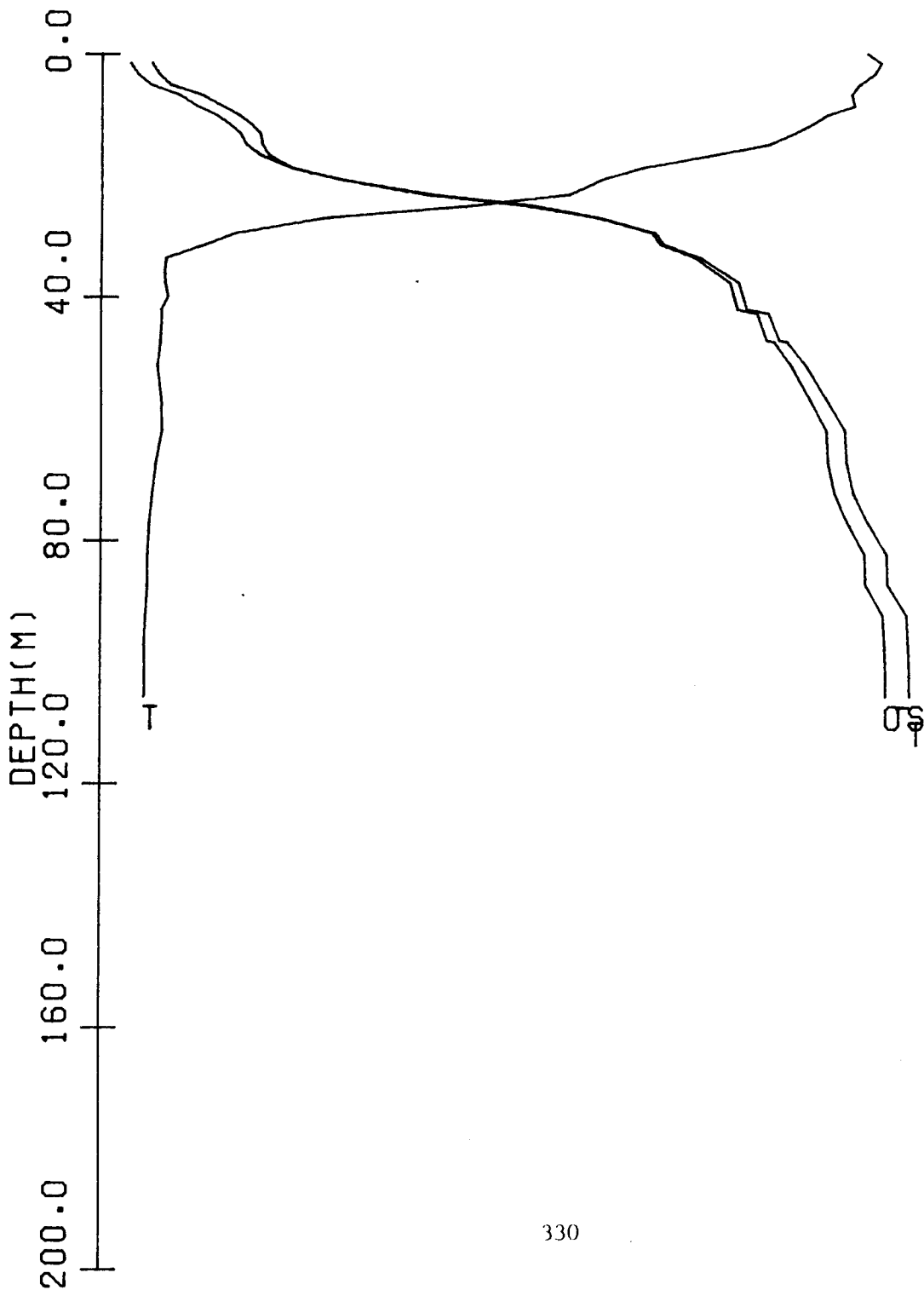
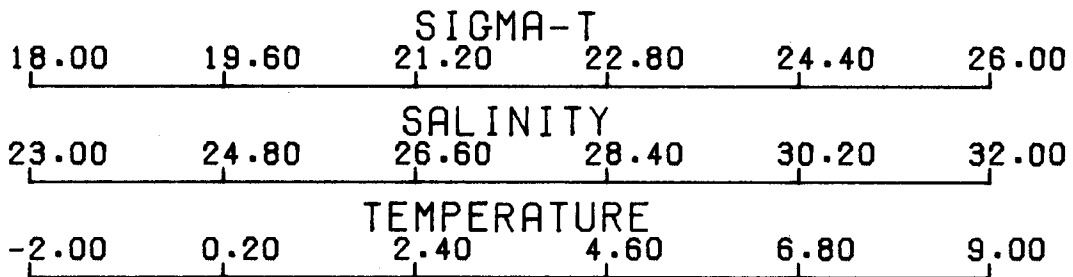
PROFILE NUM 1  
 WIND SPEED 6 KNTS  
 TEMP OFY 9.7 C  
 PRESSURE 1007.9 M BAR  
 SWELL HEIGHT 0.0 M  
 SECCHI DISC 6.5 M  
 WIND DIR 87 DEG  
 TEMP WET 9.2 C  
 WAVE HEIGHT 0.0 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1914	0.0	8.600		
1916	1.1	8.500	23.356	18.126
1916	1.4	8.420	23.376	18.153
1916	3.3	8.210	23.516	18.289
1916	5.1	7.950	23.522	18.326
1917	7.2	7.860	23.528	18.341
1917	9.0	7.810	23.541	18.358
1917	10.7	7.770	23.546	18.366
1917	12.7	7.730	23.550	18.374
1917	14.5	7.730	23.550	18.382
1917	16.4	7.700	23.569	18.393
1917	18.0	7.690	23.586	18.407
1917	20.1	7.630	23.615	18.437
1917	22.0	6.630	23.956	18.617
1917	23.7	6.100	24.227	19.085
1917	25.8	3.820	27.232	21.588
1917	27.5	2.400	28.126	22.478
1917	29.7	.260	28.758	23.003
1917	31.7	-1.070	29.842	24.007
1917	33.7	-1.140	30.053	24.202
1918	35.5	-1.160	30.132	24.242
1918	37.4	-1.210	30.341	24.412
1918	39.2	-1.210	30.543	24.575
1918	40.9	-1.220	30.639	24.653
1918	43.2	-1.250	30.829	24.807
1918	46.1	-1.260	30.940	24.897
1918	50.7	-1.270	31.006	24.950
1918	55.6	-1.290	31.111	25.036
1919	59.5	-1.320	31.346	25.226

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STATION NO. 6512 2 226 MONTH 8 DAY 26

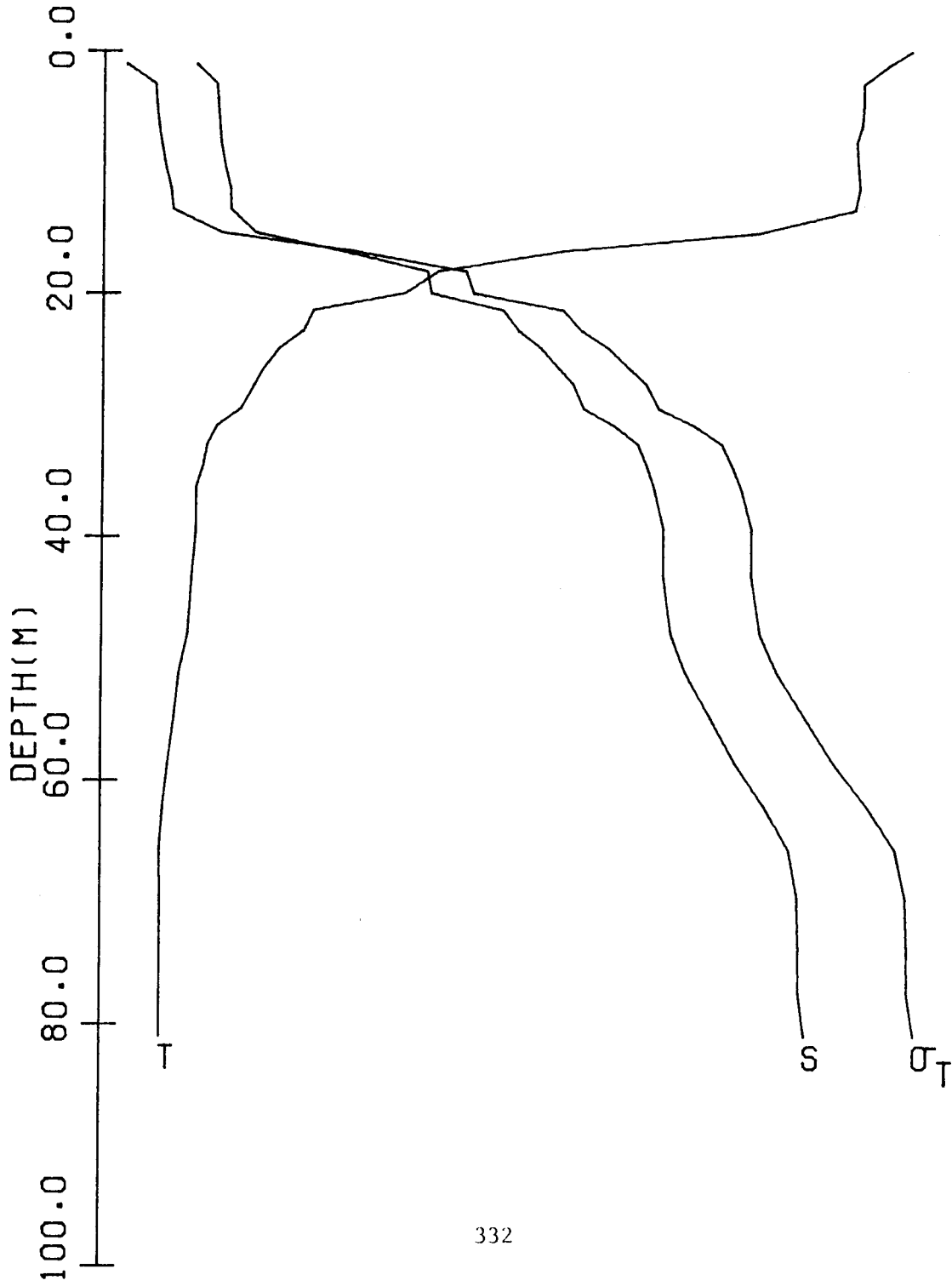
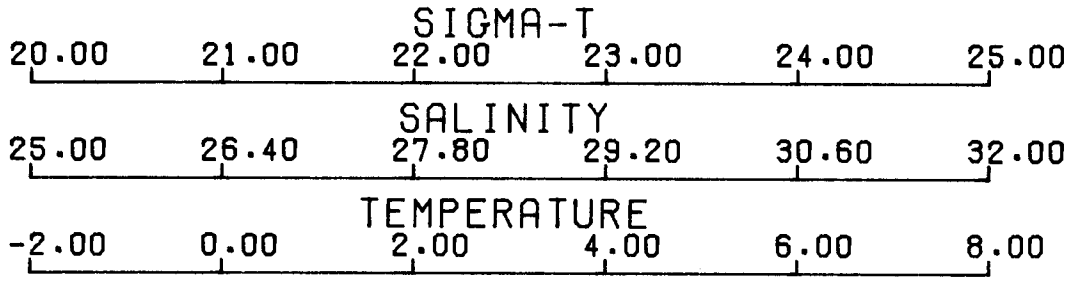


AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6512 VISIT NUM 2 CONSECUTIVE NUM 226  
 LATITUDE 54 DEGREES 56.00 MINUTES  
 LONGITUDE 79 DEGREES 45.50 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 85 DEG  
 TEMP DRY 10.0 C TEMP WET 9.5 C  
 PRESSURE 1007.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1953	0.0	3.300		
1956	1.5	3.480	23.543	18.276
1956	3.4	3.390	23.524	18.350
1956	5.1	3.180	23.753	18.478
1957	6.7	3.080	24.085	18.749
1957	8.6	3.120	24.320	18.927
1957	10.1	7.750	24.500	19.114
1957	11.5	7.570	24.627	19.235
1957	13.1	7.310	24.733	19.349
1957	14.9	6.980	24.755	19.404
1957	16.7	6.210	24.632	19.549
1957	18.8	5.260	25.090	19.846
1957	20.7	4.720	25.632	20.322
1957	23.2	4.290	26.529	21.147
1957	25.0	2.990	27.754	22.142
1957	27.0	.990	28.493	22.850
1957	29.5	-.200	29.095	23.380
1957	31.4	-.620	29.186	23.466
1957	33.8	-1.140	29.592	23.805
1958	36.0	-1.160	29.341	24.007
1958	37.7	-1.150	30.019	24.150
1958	40.0	-1.110	30.064	24.186
1958	42.1	-1.200	30.110	24.225
1958	42.7	-1.190	30.346	24.415
1958	47.2	-1.210	30.465	24.512
1958	47.4	-1.210	30.553	24.583
1958	51.5	-1.250	30.766	24.756
1958	56.0	-1.200	30.988	24.934
1959	61.0	-1.190	31.194	25.101
1959	67.2	-1.270	31.215	25.119
1959	72.1	-1.320	31.293	25.184
1959	77.1	-1.360	31.450	25.311
1959	82.3	-1.380	31.659	25.481
1959	87.3	-1.380	31.670	25.490
1960	92.3	-1.400	31.380	25.660
1960	97.1	-1.420	31.398	25.675
1960	102.1	-1.410	31.913	25.687
2000	105.1	-1.410	31.913	25.687
2000	105.7	-1.420	31.917	25.691

STATION NO. 6513 2 227 MONTH 8 DAY 26



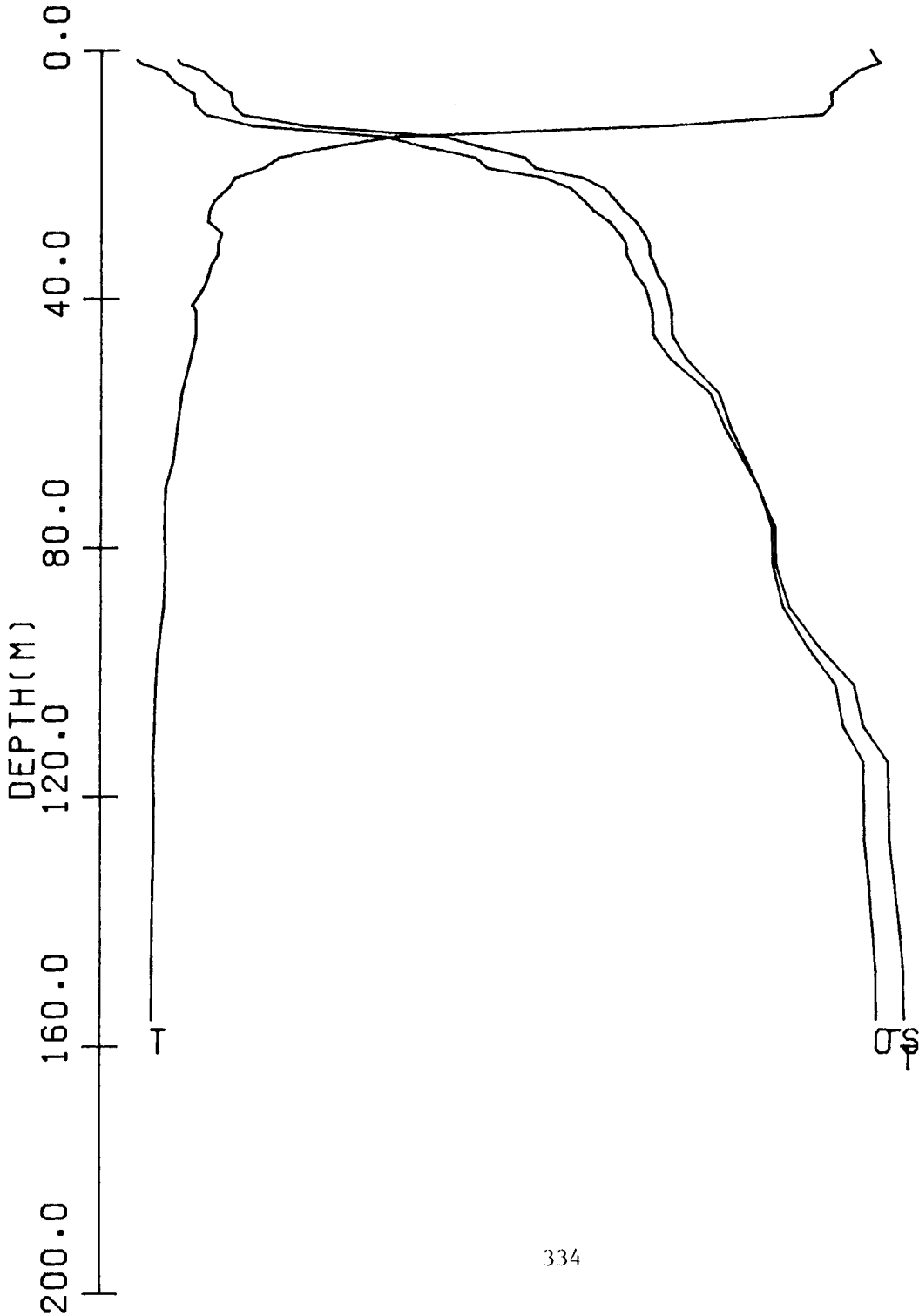
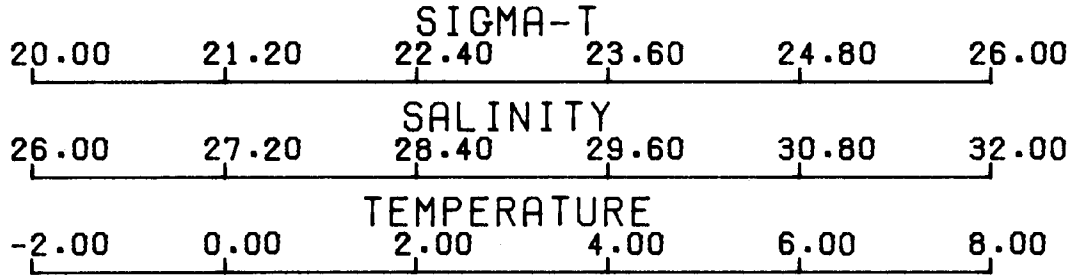
AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6513 VISIT NUM 2 CONSECUTIVE NUM 227  
 LATITUDE 55 DEGREES 1.00 MINUTES  
 LONGITUDE 79 DEGREES 47.50 MINUTES  
 SOUNDING 81.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 3 KNTS WIND DIR 120 DEG  
 TEMP DRY 9.8 C TEMP WET 9.3 C  
 PRESSURE 1006.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 12.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2032	0.0	7.900		
2035	1.1	7.630	25.794	20.140
2035	2.7	7.310	25.955	20.313
2036	4.3	7.310	25.976	20.321
2036	6.1	7.290	25.990	20.335
2036	7.5	7.230	26.001	20.356
2036	9.7	7.250	26.041	20.370
2036	11.3	7.270	26.083	20.410
2036	13.1	7.210	26.093	20.425
2036	15.0	5.030	26.305	20.720
2036	16.9	3.660	27.025	21.513
2036	18.2	2.100	27.782	22.223
2036	20.0	1.690	27.813	22.271
2036	21.4	.570	28.433	22.821
2036	23.1	.450	28.570	22.935
2036	24.5	.160	28.757	23.096
2036	26.2	-.040	28.916	23.231
2036	27.5	-.140	29.039	23.333
2037	29.5	-.310	29.130	23.412
2037	30.9	-.600	29.394	23.533
2037	32.4	-.720	29.597	23.600
2037	34.2	-.770	29.673	23.662
2037	35.9	-.850	29.736	23.915
2037	39.3	-.950	29.821	23.984
2037	43.3	-.900	29.921	23.985
2037	48.0	-.950	29.986	24.068
2038	51.2	-1.050	30.013	24.143
2038	54.9	-1.110	30.230	24.320
2038	58.6	-1.180	30.443	24.493
2038	62.4	-1.240	30.591	24.695
2038	65.7	-1.280	30.905	24.869
2038	69.5	-1.270	30.980	24.920
2039	73.5	-1.270	30.993	24.940
2039	77.5	-1.270	30.997	24.943
2039	81.0	-1.270	31.047	24.984

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STATION NO. 6514 2 228 MONTH 8 DAY 26

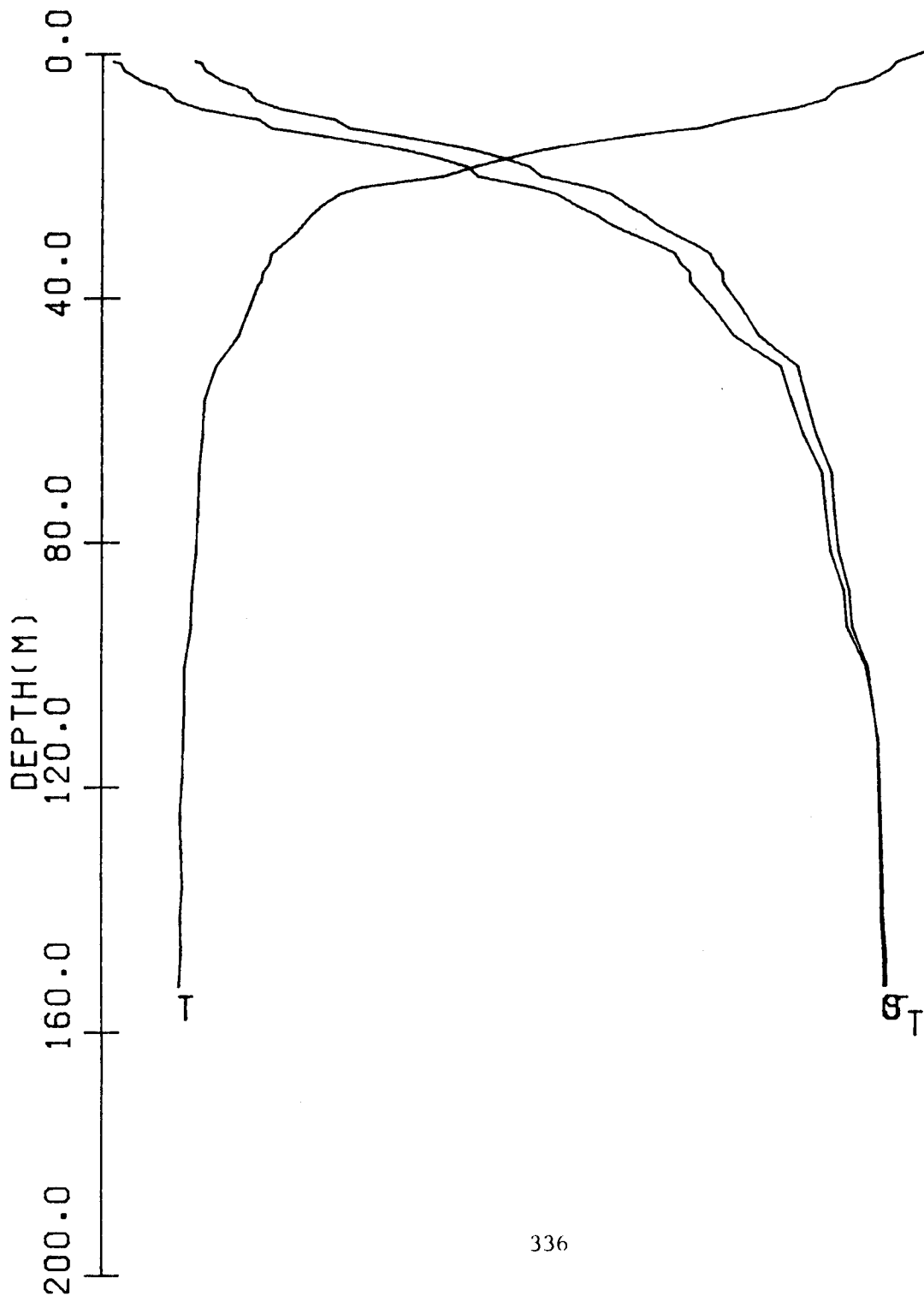
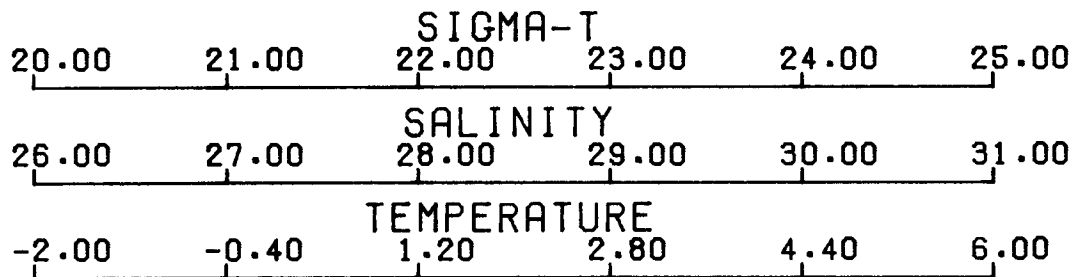


AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6514 VISIT NUM 2 CONSECUTIVE NUM 228  
 LATITUDE 55 DEGREES 9.95 MINUTES  
 LONGITUDE 79 DEGREES 47.90 MINUTES  
 SOUNDING 166.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 120 DEG  
 TEMP DRY 8.7 C TEMP WET 8.4 C  
 PRESSURE 1006.9 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2130	0.0	7.200		
2136	1.0	7.270	26.256	20.0545
2136	2.1	7.320	26.274	20.0553
2136	3.5	7.040	26.433	20.0727
2136	5.3	6.870	26.527	20.0805
2136	7.0	6.720	26.654	20.0922
2136	8.9	6.730	26.669	20.0933
2136	10.7	6.620	26.742	21.0003
2136	12.2	4.800	27.072	21.4522
2137	14.0	1.500	27.025	22.4550
2137	15.6	.740	27.307	22.7122
2137	17.4	1.100	27.677	23.0334
2137	19.1	-.080	27.732	23.1099
2137	20.8	-.420	29.159	23.4466
2137	22.3	-.500	29.359	23.5022
2137	24.0	-.660	29.456	23.6084
2137	25.0	-.720	29.523	23.7441
2137	27.7	-.730	29.633	23.8322
2137	29.5	-.570	29.708	23.8557
2137	31.1	-.610	29.759	23.9227
2137	33.1	-.620	29.765	23.9322
2137	34.7	-.700	29.804	23.9666
2137	36.3	-.730	29.833	23.9899
2137	38.1	-.780	29.895	24.0411
2138	39.7	-.850	29.921	24.0664
2138	41.1	-.930	29.935	24.0777
2138	42.0	-.880	29.950	24.0688
2138	45.0	-.880	29.957	24.0994
2138	49.0	-.950	30.086	24.2000
2138	55.0	-1.050	30.372	24.4333
2138	60.0	-1.100	30.477	24.5119
2139	66.0	-1.150	30.612	24.5229
2139	70.0	-1.240	30.716	24.7155
2139	76.0	-1.250	30.539	24.8155
2139	82.0	-1.240	30.846	24.8220
2139	89.0	-1.260	30.944	24.9000
2140	96.0	-1.320	31.163	25.0722
2140	102.0	-1.350	31.409	25.2722
2140	108.0	-1.360	31.475	25.3332
2140	114.0	-1.380	31.654	25.4777
2140	120.0	-1.370	31.660	25.4822
2140	127.0	-1.370	31.666	25.4866
2140	133.0	-1.380	31.701	25.5155
2141	140.0	-1.390	31.738	25.5444
2141	147.0	-1.390	31.763	25.5655
2141	154.0	-1.390	31.759	25.5700
2141	155.0	-1.390	31.773	25.5733

STATION NO. 6515 2 229 MONTH 8 DAY 26



AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6515 VISIT NUM 2 CONSECUTIVE NUM 229  
 LATITUDE 55 DEGREES 18.00 MINUTES  
 LONGITUDE 79 DEGREES 52.00 MINUTES  
 SOUNDING 162.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

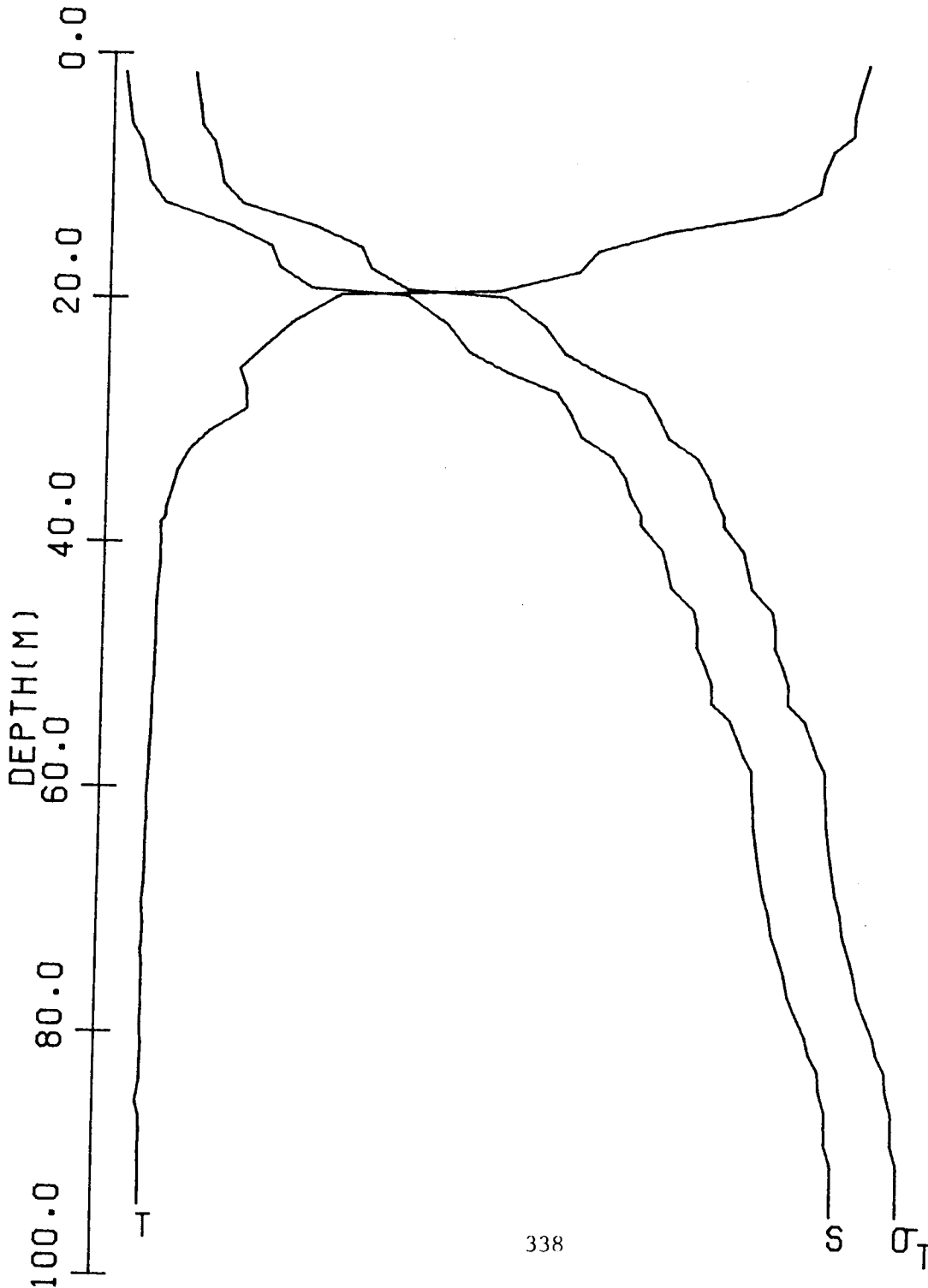
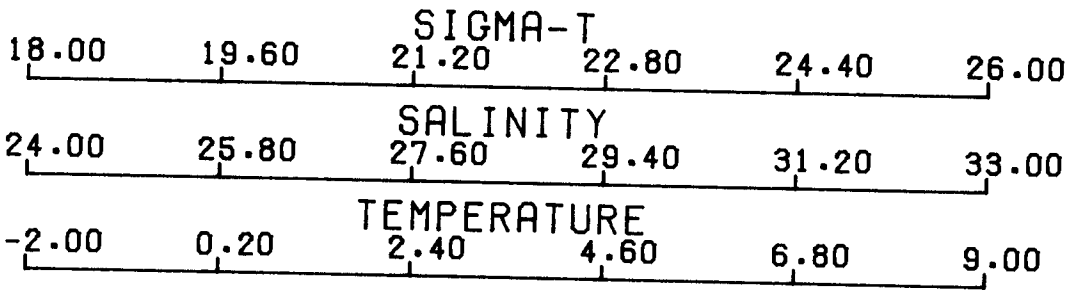
PROFILE NUM 1  
 WIND SPEED 3 KNTS WIND DIR 120 DEG  
 TEMP DEPT 8.2 C TEMP WET 7.6 C  
 PRESSURE 1006.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2235	0.0	5.000		
2239	1.3	5.770	26.008	20.566
2240	1.6	5.730	26.109	20.562
2240	2.8	5.670	26.132	20.562
2240	4.7	5.460	26.248	20.573
2240	5.9	5.150	26.355	20.577
2240	7.2	5.040	26.447	20.583
2240	9.2	4.730	26.609	21.593
2240	10.9	4.160	26.950	21.512
2240	12.3	3.840	27.027	21.500
2240	13.5	3.220	27.320	21.780
2240	15.7	2.360	27.802	22.222
2240	17.3	1.950	28.046	22.442
2240	18.7	1.620	28.220	22.600
2240	20.3	1.310	28.286	22.669
2240	22.0	1.030	28.607	22.962
2240	23.2	0.300	28.765	23.098
2241	25.2	0.120	28.892	23.206
2241	26.7	0.020	29.001	23.307
2241	28.1	0.030	29.093	23.374
2241	30.0	0.150	29.244	23.495
2241	31.3	0.250	29.367	23.501
2241	32.7	0.350	29.487	23.701
2241	34.7	0.380	29.520	23.728
2241	35.9	0.440	29.577	23.776
2241	37.5	0.460	29.581	23.780
2241	38.1	0.490	29.596	23.792
2241	41.6	0.570	29.714	23.890
2242	46.4	0.680	29.849	24.002
2242	51.4	0.900	30.137	24.240
2242	56.9	-1.010	30.201	24.329
2242	62.6	-1.030	30.275	24.354
2242	58.7	-1.060	30.389	24.447
2242	74.7	-1.070	30.409	24.463
2243	81.7	-1.090	30.441	24.490
2243	88.6	-1.130	30.521	24.555
2243	94.0	-1.140	30.542	24.572
2243	100.0	-1.200	30.658	24.668
2243	106.0	-1.200	30.698	24.700
2243	112.7	-1.210	30.733	24.723
2244	118.7	-1.220	30.740	24.734
2244	124.3	-1.240	30.747	24.746
2244	130.2	-1.230	30.754	24.746
2244	136.2	-1.220	30.750	24.750
2244	141.5	-1.240	30.762	24.752
2244	147.5	-1.230	30.779	24.766
2245	152.6	-1.250	30.781	24.768

S



STATION NO. 6464 1 230 MONTH 8 DAY 27



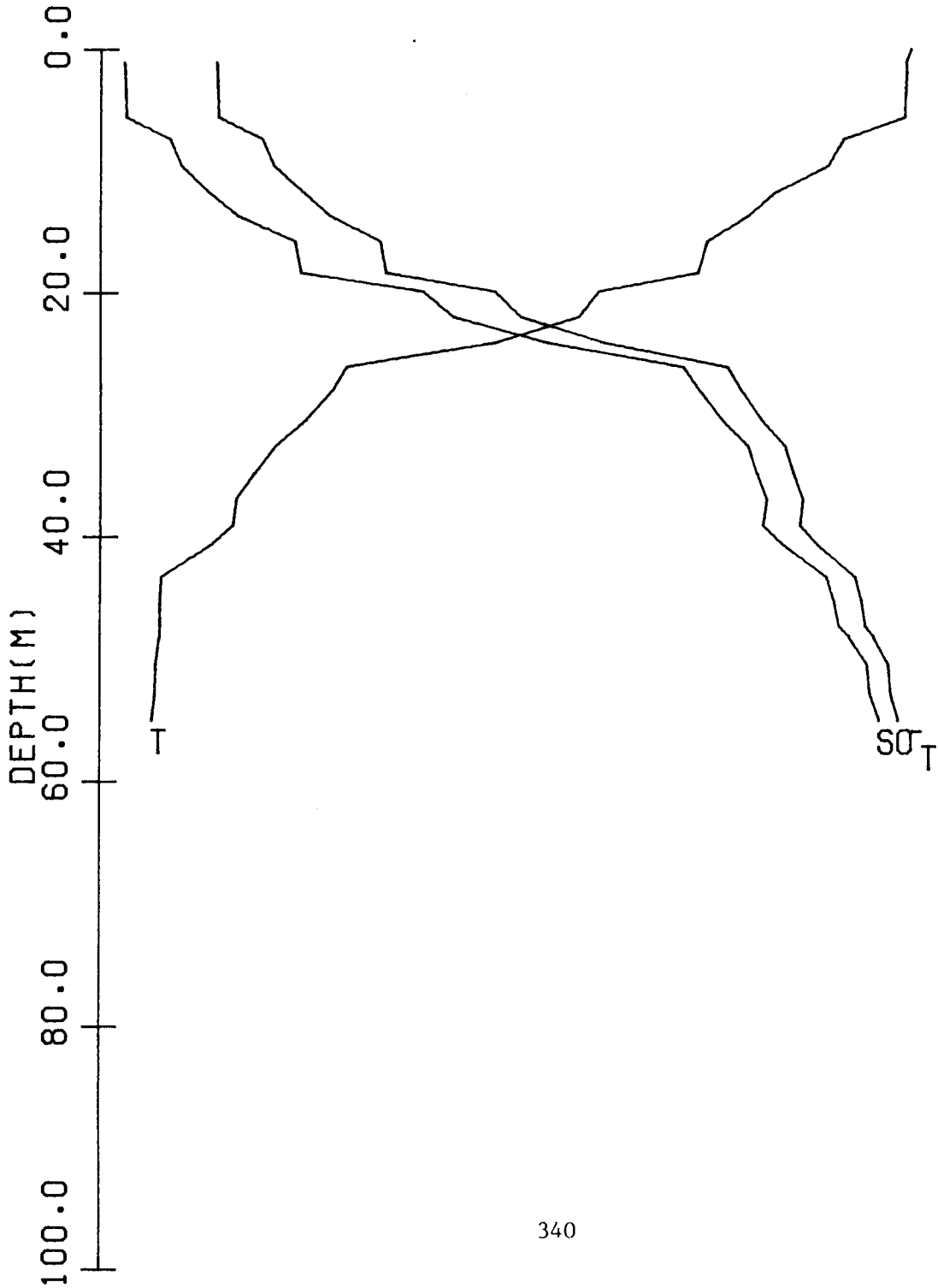
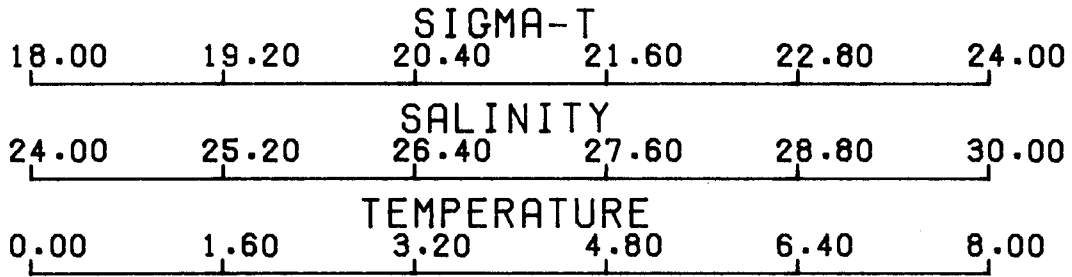
AREA SQUARE NUM 52080  
 DATE MONTH 27 DAY 1964  
 STATION NUM 0404 VESSEL NO 1 CONSECUTIVE NUM 230  
 LATITUDE 53 53 DEGREES 10.50 MINUTES  
 LONGITUDE 103 0 DEGREES 10.00 MINUTES  
 ICE THICKNESS METRES 0.0  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9.2 KNTS  
 WIND DIR 115 DEG  
 TEMP DRY 0.0 C  
 TEMP WET 0.0 C  
 PRESSURE 1013.0 HPA  
 SWELL HEIGHT 0.0 M  
 SWELL DIR M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
0116	0.0	9.1	34.9	1013.0
0118	0.5	9.1	34.9	1013.0
0119	1.0	9.1	34.9	1013.0
0119	1.5	9.1	34.9	1013.0
0119	2.0	9.1	34.9	1013.0
0119	2.5	9.1	34.9	1013.0
0119	3.0	9.1	34.9	1013.0
0119	3.5	9.1	34.9	1013.0
0119	4.0	9.1	34.9	1013.0
0119	4.5	9.1	34.9	1013.0
0119	5.0	9.1	34.9	1013.0
0119	5.5	9.1	34.9	1013.0
0119	6.0	9.1	34.9	1013.0
0119	6.5	9.1	34.9	1013.0
0119	7.0	9.1	34.9	1013.0
0119	7.5	9.1	34.9	1013.0
0119	8.0	9.1	34.9	1013.0
0119	8.5	9.1	34.9	1013.0
0119	9.0	9.1	34.9	1013.0
0119	9.5	9.1	34.9	1013.0
0119	10.0	9.1	34.9	1013.0
0119	10.5	9.1	34.9	1013.0
0119	11.0	9.1	34.9	1013.0
0119	11.5	9.1	34.9	1013.0
0119	12.0	9.1	34.9	1013.0
0119	12.5	9.1	34.9	1013.0
0119	13.0	9.1	34.9	1013.0
0119	13.5	9.1	34.9	1013.0
0119	14.0	9.1	34.9	1013.0
0119	14.5	9.1	34.9	1013.0
0119	15.0	9.1	34.9	1013.0
0119	15.5	9.1	34.9	1013.0
0119	16.0	9.1	34.9	1013.0
0119	16.5	9.1	34.9	1013.0
0119	17.0	9.1	34.9	1013.0
0119	17.5	9.1	34.9	1013.0
0119	18.0	9.1	34.9	1013.0
0119	18.5	9.1	34.9	1013.0
0119	19.0	9.1	34.9	1013.0
0119	19.5	9.1	34.9	1013.0
0119	20.0	9.1	34.9	1013.0
0119	20.5	9.1	34.9	1013.0
0119	21.0	9.1	34.9	1013.0
0119	21.5	9.1	34.9	1013.0
0119	22.0	9.1	34.9	1013.0
0119	22.5	9.1	34.9	1013.0
0119	23.0	9.1	34.9	1013.0
0119	23.5	9.1	34.9	1013.0
0119	24.0	9.1	34.9	1013.0
0119	24.5	9.1	34.9	1013.0
0119	25.0	9.1	34.9	1013.0
0119	25.5	9.1	34.9	1013.0
0119	26.0	9.1	34.9	1013.0
0119	26.5	9.1	34.9	1013.0
0119	27.0	9.1	34.9	1013.0
0119	27.5	9.1	34.9	1013.0
0119	28.0	9.1	34.9	1013.0
0119	28.5	9.1	34.9	1013.0
0119	29.0	9.1	34.9	1013.0
0119	29.5	9.1	34.9	1013.0
0119	30.0	9.1	34.9	1013.0
0119	30.5	9.1	34.9	1013.0
0119	31.0	9.1	34.9	1013.0
0119	31.5	9.1	34.9	1013.0
0119	32.0	9.1	34.9	1013.0
0119	32.5	9.1	34.9	1013.0
0119	33.0	9.1	34.9	1013.0
0119	33.5	9.1	34.9	1013.0
0119	34.0	9.1	34.9	1013.0
0119	34.5	9.1	34.9	1013.0
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0119	35.5	9.1	34.9	1013.0
0119	36.0	9.1	34.9	1013.0
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0119	38.5	9.1	34.9	1013.0
0119	39.0	9.1	34.9	1013.0
0119	39.5	9.1	34.9	1013.0
0119	40.0	9.1	34.9	1013.0
0119	40.5	9.1	34.9	1013.0
0119	41.0	9.1	34.9	1013.0
0119	41.5	9.1	34.9	1013.0
0119	42.0	9.1	34.9	1013.0
0119	42.5	9.1	34.9	1013.0
0119	43.0	9.1	34.9	1013.0
0119	43.5	9.1	34.9	1013.0
0119	44.0	9.1	34.9	1013.0
0119	44.5	9.1	34.9	1013.0
0119	45.0	9.1	34.9	1013.0
0119	45.5	9.1	34.9	1013.0
0119	46.0	9.1	34.9	1013.0
0119	46.5	9.1	34.9	1013.0
0119	47.0	9.1	34.9	1013.0
0119	47.5	9.1	34.9	1013.0
0119	48.0	9.1	34.9	1013.0
0119	48.5	9.1	34.9	1013.0
0119	49.0	9.1	34.9	1013.0
0119	49.5	9.1	34.9	1013.0
0119	50.0	9.1	34.9	1013.0
0119	50.5	9.1	34.9	1013.0
0119	51.0	9.1	34.9	1013.0
0119	51.5	9.1	34.9	1013.0
0119	52.0	9.1	34.9	1013.0
0119	52.5	9.1	34.9	1013.0
0119	53.0	9.1	34.9	1013.0
0119	53.5	9.1	34.9	1013.0
0119	54.0	9.1	34.9	1013.0
0119	54.5	9.1	34.9	1013.0
0119	55.0	9.1	34.9	1013.0
0119	55.5	9.1	34.9	1013.0
0119	56.0	9.1	34.9	1013.0
0119	56.5	9.1	34.9	1013.0
0119	57.0	9.1	34.9	1013.0
0119	57.5	9.1	34.9	1013.0
0119	58.0	9.1	34.9	1013.0
0119	58.5	9.1	34.9	1013.0
0119	59.0	9.1	34.9	1013.0
0119	59.5	9.1	34.9	1013.0
0119	60.0	9.1	34.9	1013.0

S

STATION NO. 6465 1 231 MONTH 8 DAY 27



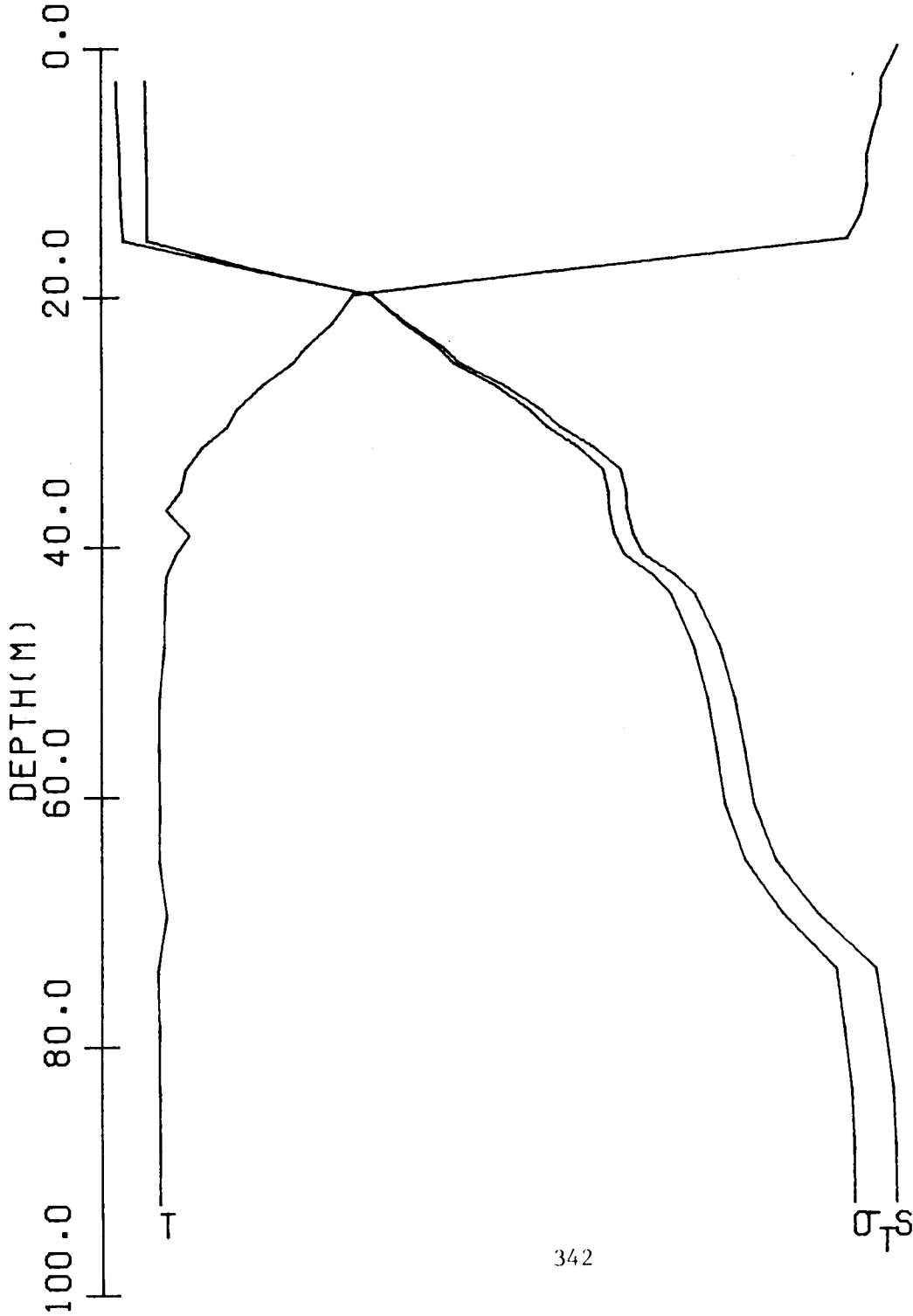
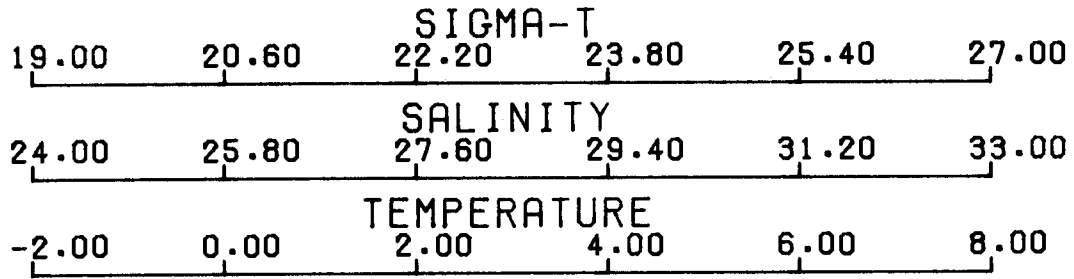
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6465 VISIT NUM 1 CONSECUTIVE NUM 231  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 29.30 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 110 DEG  
 TEMP DRY 8.9 C TEMP WET 3.4 C  
 PRESSURE 1005.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
135	0.0	7.900		
138	1.1	7.850	24.170	18.844
138	1.5	7.860	24.173	18.845
138	3.1	7.850	24.178	18.850
138	5.8	7.840	24.185	18.857
138	7.4	7.240	24.504	19.178
138	9.0	7.090	24.588	19.261
138	11.8	6.570	24.791	19.478
138	13.7	6.310	25.002	19.672
138	15.8	5.910	25.415	20.038
138	18.4	5.820	25.459	20.082
138	19.9	4.850	26.352	20.879
138	22.0	4.660	26.575	21.072
138	24.1	3.850	27.262	21.685
139	26.1	2.390	28.255	22.589
139	28.1	2.250	28.389	22.697
139	30.5	1.990	28.555	22.846
139	32.6	1.700	28.742	23.012
139	34.8	1.500	28.806	23.079
139	36.9	1.320	28.878	23.142
139	39.1	1.290	28.851	23.122
139	40.7	1.070	29.001	23.253
139	43.7	.990	29.031	23.288
139	45.1	.990	29.036	23.289
139	47.3	.990	29.040	23.289
139	49.1	.990	29.048	23.292
140	48.8	.970	29.045	23.286
140	50.4	.940	29.051	23.287
140	52.8	.930	29.063	23.287
140	54.9	.900	29.070	23.284
141	55.0	.900	29.070	23.284

S

STATION NO. 6432 1 232 MONTH 8 DAY 27



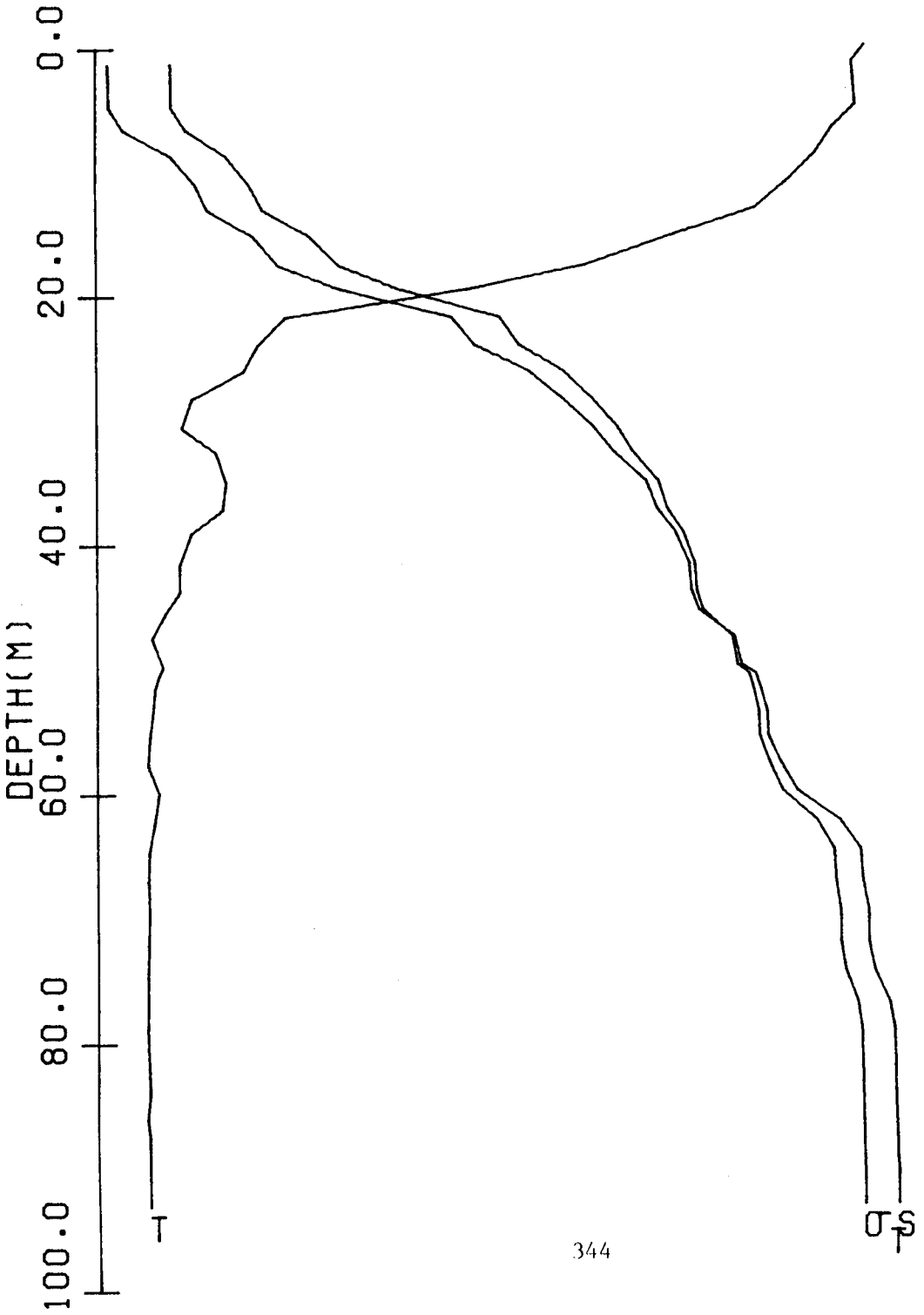
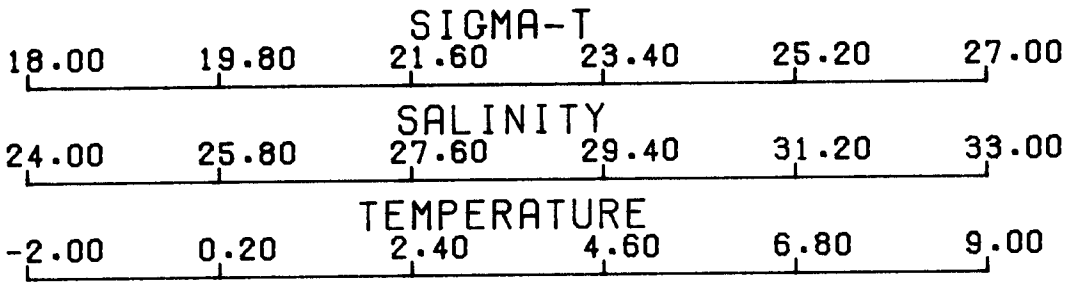
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 556432 VISIT NUM 1 CONSECUTIVE NUM 232  
 LATITUDE 55 DEGREES 33.00 MINUTES  
 LONGITUDE 80 DEGREES 36.40 MINUTES  
 SOUNDING 19.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 130 DEG  
 TEMP DEW 8.9 C TEMP WET 8.6 C  
 PRESSURE 1005.6 M BAF WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGNAT
235	0.0	7.500		
236	2.7	7.300	24.467	19.142
236	4.8	7.290	24.470	19.145
236	6.7	7.200	24.476	19.161
237	8.7	7.130	24.482	19.173
237	11.3	7.130	24.489	19.179
237	13.5	7.050	24.489	19.188
237	15.5	6.890	24.490	19.207
237	18.0	6.460	24.573	20.507
237	19.0	.980	24.590	21.574
237	22.2	.740	27.270	21.881
237	24.1	.420	27.564	22.209
237	25.4	.270	27.339	22.355
237	27.1	-.090	28.607	22.743
237	29.1	-.400	28.708	23.675
237	30.5	-.520	28.920	23.249
237	32.1	-.810	29.270	23.538
237	33.0	-1.000	29.565	23.781
237	35.6	-1.070	29.523	23.829
238	37.1	-1.240	29.631	23.836
238	39.1	-.960	29.599	23.888
238	40.7	-1.130	29.909	23.980
238	42.4	-1.240	30.015	24.258
238	43.9	-1.250	30.363	24.430
238	45.1	-1.260	30.533	24.649
238	47.3	-1.320	30.794	24.780
238	49.2	-1.320	30.394	24.861
239	50.7	-1.310	30.998	24.945
239	55.3	-1.320	31.240	25.141
239	59.9	-1.230	31.583	25.497
239	73.9	-1.340	32.311	26.008
239	78.7	-1.320	32.407	26.085
239	83.4	-1.320	32.490	26.152
240	87.9	-1.310	32.520	26.176
240	92.7	-1.310	32.528	26.182

S

STATION NO. 6433 1 233 MONTH 8 DAY 27



AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6433 VISIT NUM 1 CONSECUTIVE NUM 233  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 56.00 MINUTES  
 SOUNDING 100.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

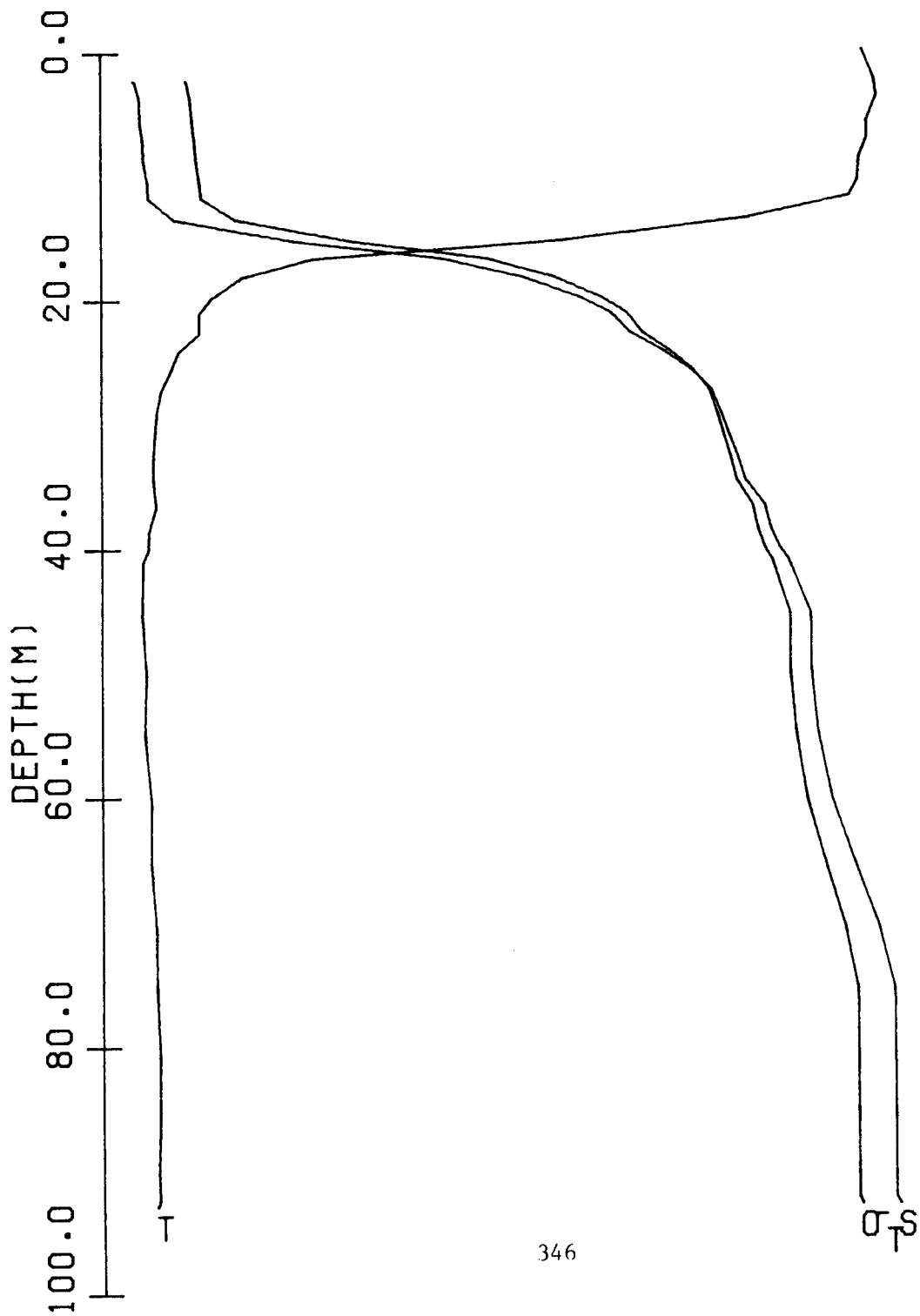
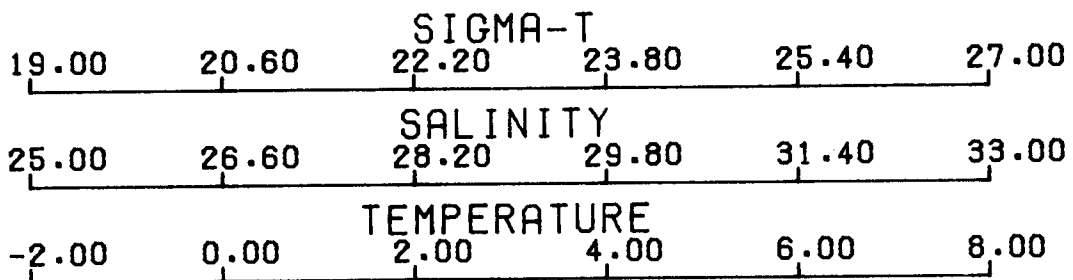
PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 130 DEG  
 TEMP DRIFT 8.5 C TEMP WET 8.5 C  
 PRESSURE 1005.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GIT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
340	0.0	8.100		
343	1.0	7.930	24.124	18.798
343	2.0	7.930	24.132	18.802
343	4.0	7.980	24.140	18.804
343	6.0	7.970	24.292	18.961
343	8.0	7.940	24.799	19.485
343	11.0	7.860	25.051	19.635
343	13.1	5.350	25.190	19.782
343	15.2	5.380	25.677	20.277
343	17.6	4.420	25.953	20.602
343	19.5	2.920	26.504	21.233
343	21.8	.470	27.311	22.326
344	24.0	.110	28.055	22.534
344	26.1	-.080	28.634	23.006
344	28.5	-.760	28.995	23.315
344	30.6	-.890	29.334	23.591
344	32.6	-.440	29.550	23.754
344	35.0	-.310	29.903	24.034
344	37.2	-.360	30.021	24.131
344	39.1	-.770	30.215	24.299
344	41.8	-.920	30.364	24.423
344	43.8	-.920	30.390	24.444
344	45.4	-1.100	30.471	24.514
344	47.5	-1.290	30.353	24.427
344	49.9	-1.140	30.330	24.886
344	50.7	-1.200	31.079	25.008
345	51.9	-1.250	31.130	25.050
345	53.5	-1.280	31.205	25.112
345	55.5	-1.320	31.216	25.121
345	57.7	-1.340	31.353	25.233
345	59.9	-1.200	31.526	25.369
345	62.4	-1.260	31.982	25.730
345	64.6	-1.330	32.203	25.920
346	67.0	-1.340	32.226	25.935
346	69.5	-1.330	32.288	25.980
346	72.1	-1.340	32.292	25.992
346	74.3	-1.350	32.351	26.040
346	76.9	-1.350	32.511	26.170
347	79.0	-1.360	32.550	26.210
347	82.0	-1.340	32.571	26.218
347	84.0	-1.330	32.573	26.210
347	86.2	-1.360	32.579	26.230
347	87.6	-1.330	32.586	26.230
347	89.4	-1.330	32.590	26.233
348	90.7	-1.330	32.599	26.240
348	93.2	-1.330	32.599	26.240

S



STATION NO. 6434 1 234 MONTH 8 DAY 27



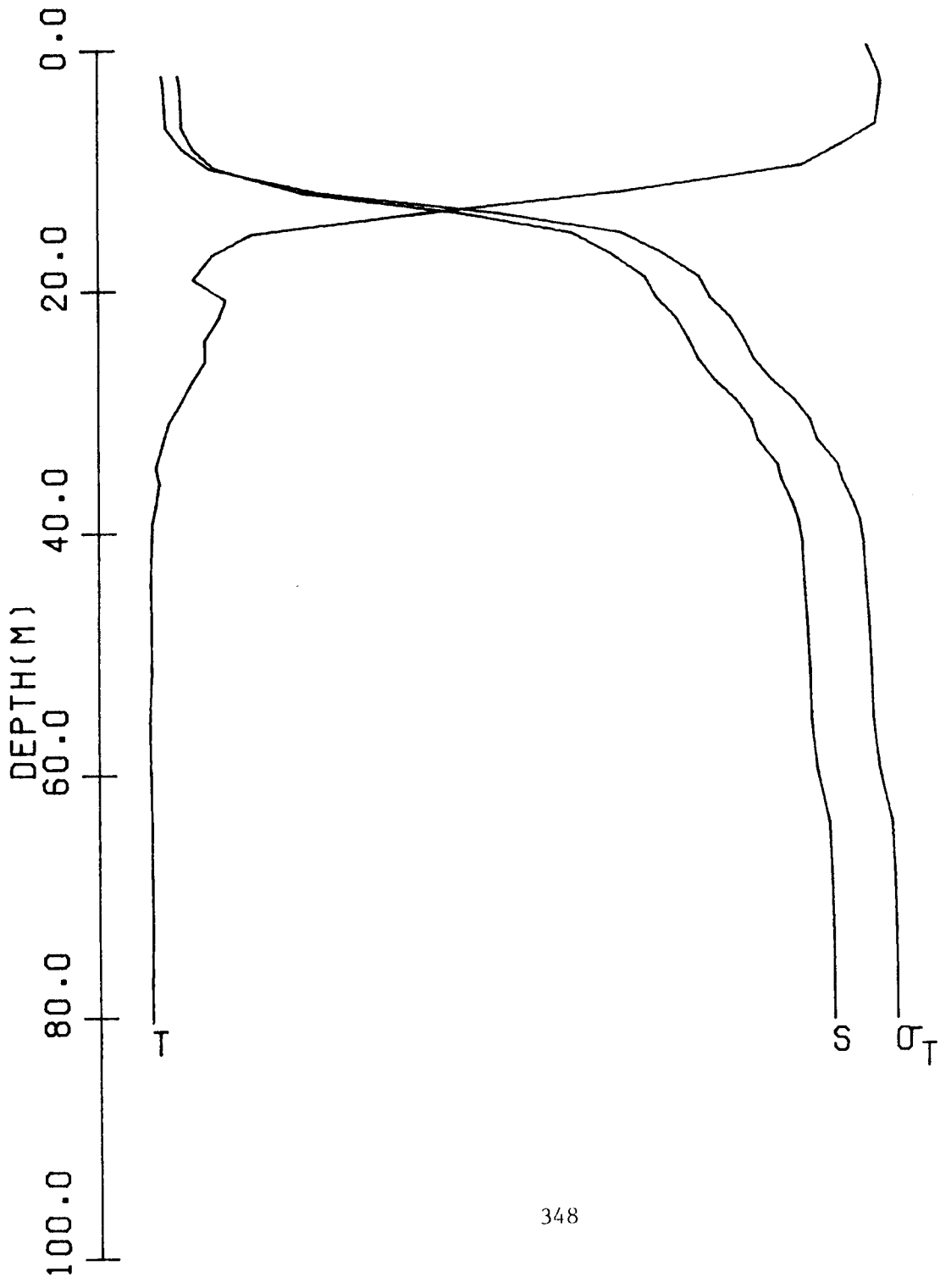
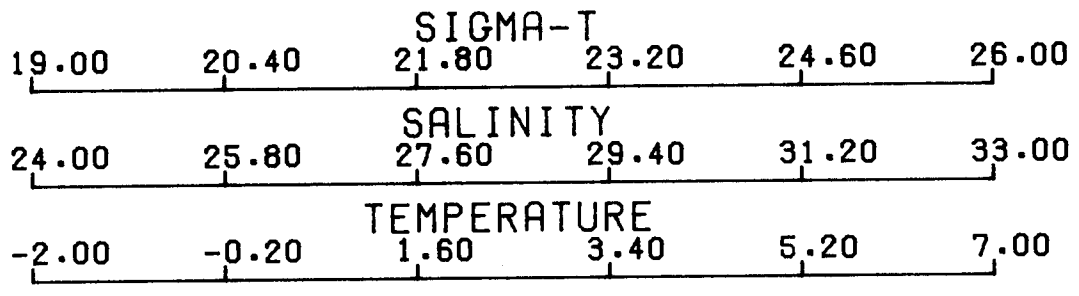
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6434 VISIT NUM 1 CONSECUTIVE NUM 234  
 LATITUDE 55 DEGREES 34.20 MINUTES  
 LONGITUDE 81 DEGREES 19.93 MINUTES  
 SOUNDING 100.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 3 KNTS WIND DIR 51 DEG  
 TEMP DRY 8.0 C TEMP WET 8.0 C  
 PRESSURE 1003.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA-T
5 5	0.0	7.100		
5 6	2.0	7.240	25.305	19.805
5 6	2.4	7.240	25.317	19.814
5 6	3.7	7.270	25.362	19.846
5 6	5.7	7.150	25.370	19.866
5 6	7.1	7.150	25.393	19.884
5 6	8.7	7.060	25.401	19.901
5 6	10.5	7.040	25.439	19.933
5 6	11.8	6.940	25.443	19.948
5 7	13.5	6.720	25.669	20.273
5 7	15.6	6.500	26.833	21.373
5 7	16.7	6.520	26.248	22.674
5 7	18.2	6.330	29.014	23.310
5 7	19.9	6.700	29.584	23.780
5 7	21.1	6.840	29.864	24.018
5 7	22.7	6.840	30.049	24.167
5 7	24.2	-1.090	30.372	24.434
5 7	25.7	-1.180	30.637	24.650
5 7	27.3	-1.300	30.331	24.610
5 7	29.2	-1.350	30.925	24.887
5 7	30.7	-1.370	30.990	24.940
5 7	32.7	-1.390	31.082	25.014
5 7	34.6	-1.390	31.155	25.073
5 8	36.6	-1.360	31.342	25.224
5 8	38.6	-1.450	31.405	25.277
5 8	40.1	-1.460	31.469	25.345
5 8	41.0	-1.530	31.567	25.400
5 8	42.5	-1.530	31.781	25.583
5 8	44.0	-1.480	31.784	25.584
5 8	45.5	-1.500	31.847	25.636
5 8	47.0	-1.420	31.979	25.741
5 9	48.5	-1.430	32.193	25.914
5 9	50.0	-1.370	32.410	26.095
5 9	51.5	-1.360	32.572	26.210
5 9	53.0	-1.330	32.576	26.222
5 9	54.5	-1.330	32.577	26.223
5 9	56.0	-1.350	32.577	26.223
5 10	57.5	-1.340	32.579	26.224
5 10	59.0	-1.360	32.515	26.254

S

STATION NO. 6435 1 235 MONTH 8 DAY 27



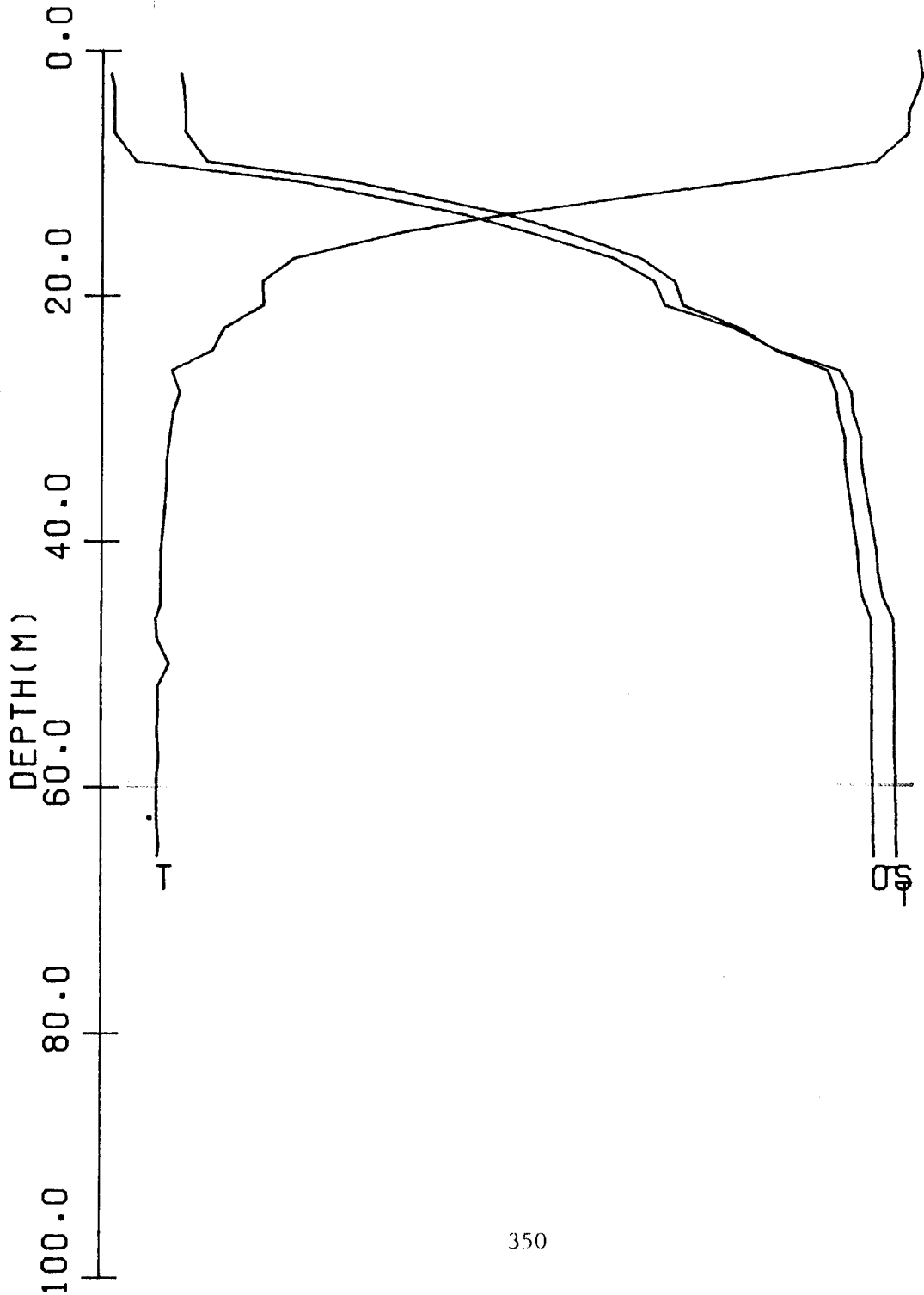
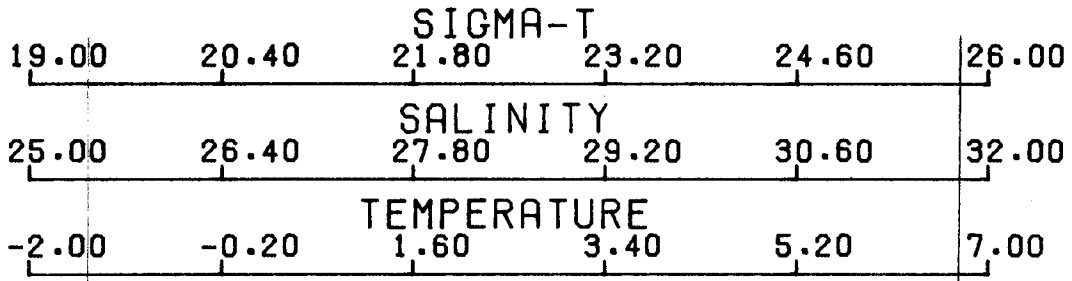
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6435 VISIT NUM 1 CONSECUTIVE NUM 235  
 LATITUDE 55 DEGREES 35.00 MINUTES  
 LONGITUDE 81 DEGREES 42.10 MINUTES  
 SOUNDING 87.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 85 DEG  
 TEMP DRY 7.5 C TEMP WET 7.5 C  
 PRESSURE 1003.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GTT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
617	0.0	6.500		
621	2.0	6.630	24.887	19.547
621	3.0	6.650	24.908	19.556
621	4.0	6.620	24.917	19.571
621	6.0	6.590	24.925	19.581
621	8.0	6.580	25.054	19.726
621	9.0	5.770	25.289	19.953
621	12.0	3.790	26.261	20.497
621	13.7	1.600	27.389	22.416
621	15.4	-0.310	29.236	23.597
621	17.1	-1.740	29.567	23.857
622	19.1	-1.950	30.047	24.166
622	20.8	-1.590	30.173	24.260
622	22.4	-1.670	30.332	24.431
622	24.1	-1.820	30.517	24.544
622	25.8	-1.820	30.632	24.637
622	27.5	-1.970	30.812	24.786
622	29.2	-1.090	31.051	24.983
622	30.9	-1.220	31.213	25.117
622	32.6	-1.290	31.285	25.176
622	34.3	-1.370	31.500	25.352
622	35.9	-1.330	31.545	25.388
622	37.7	-1.370	31.660	25.482
622	39.2	-1.410	31.730	25.539
622	40.8	-1.420	31.770	25.572
623	44.3	-1.430	31.794	25.591
623	47.5	-1.420	31.825	25.616
623	51.3	-1.420	31.851	25.637
623	55.7	-1.440	31.870	25.653
623	59.2	-1.430	31.931	25.702
623	64.2	-1.420	32.065	25.810
624	68.2	-1.420	32.091	25.831
624	72.8	-1.410	32.107	25.844
624	76.0	-1.420	32.116	25.852
624	80.4	-1.420	32.116	25.852

S

STATION NO. 6436 1 236 MONTH 8 DAY 27

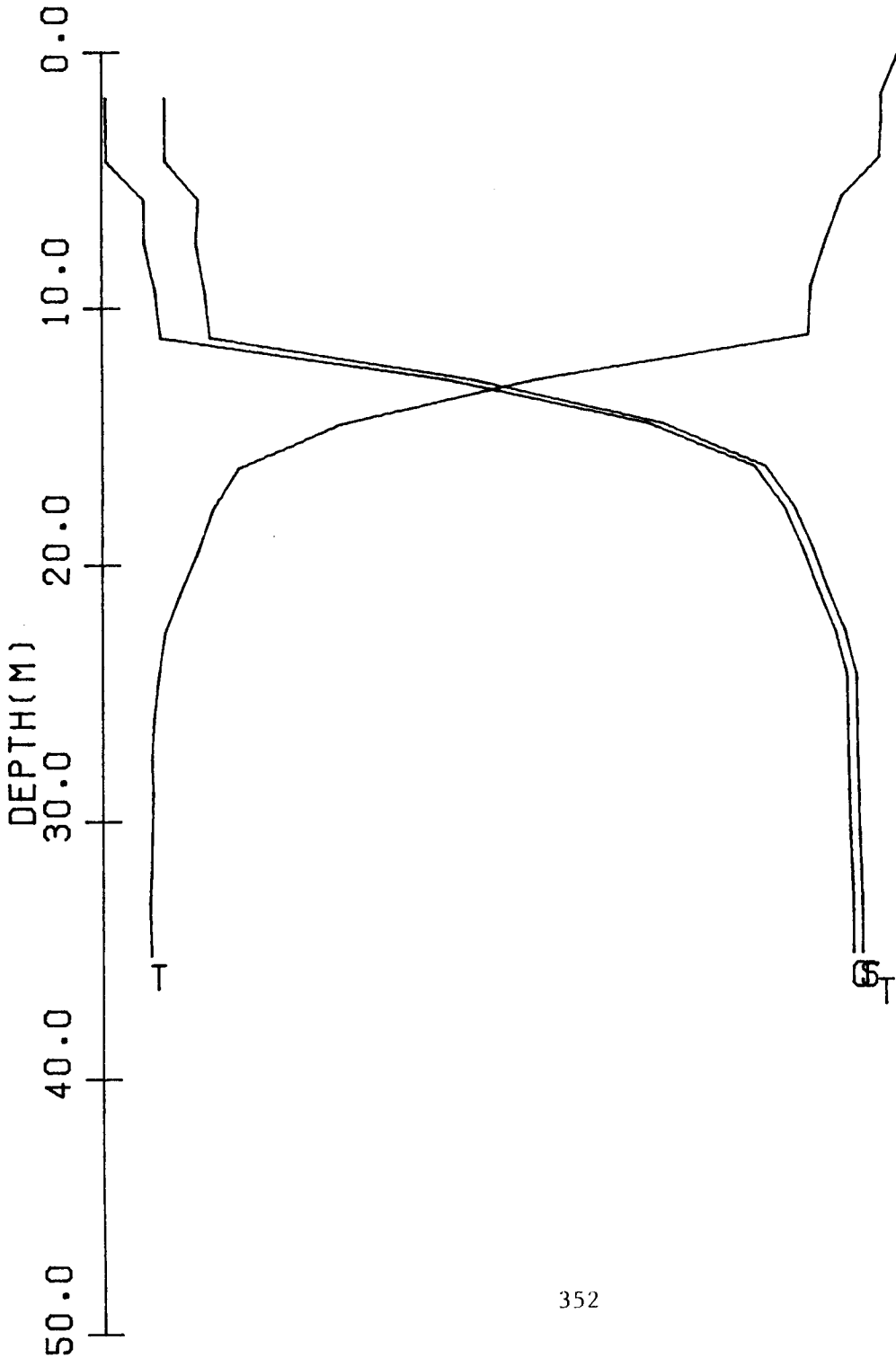
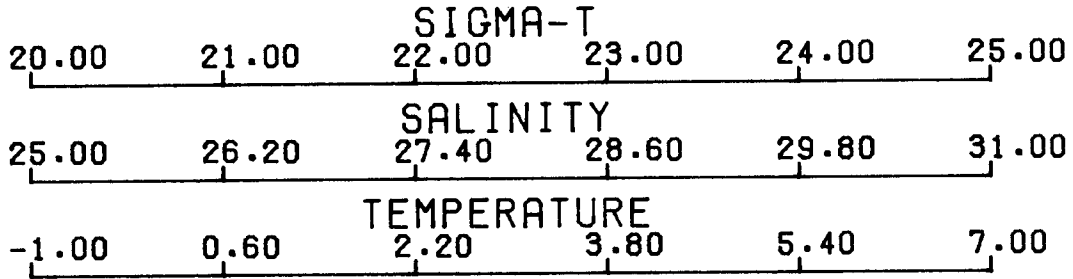


AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6436 VISIT NUM 1 CONSECUTIVE NUM 236  
 LATITUDE 55 DEGREES 35.00 MINUTES  
 LONGITUDE 82 DEGREES 7.00 MINUTES  
 SOUNDING 74.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 104 DEG  
 TEMP DRY 7.4 C TEMP WET 7.4 C  
 PRESSURE 1003.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
739	0.0	6.900		
743	1.0	6.940	25.072	19.657
743	2.0	6.940	25.072	19.657
743	2.0	6.910	25.093	19.677
743	5.0	6.790	25.098	19.694
743	6.7	6.790	25.098	19.694
743	9.1	6.430	25.284	19.680
743	10.7	4.990	26.642	21.095
743	13.4	2.400	28.054	22.421
744	14.5	1.320	28.575	22.900
744	17.0	0.880	29.338	23.566
744	18.0	-0.260	29.679	23.852
744	20.5	-0.250	29.768	23.924
744	22.7	-0.580	30.362	24.415
744	24.5	-0.810	30.738	24.722
744	26.1	-1.250	31.262	25.157
744	27.9	-1.160	31.357	25.232
744	29.5	-1.230	31.371	25.245
744	31.5	-1.270	31.441	25.282
744	33.5	-1.300	31.442	25.304
744	35.2	-1.300	31.470	25.326
744	37.1	-1.320	31.505	25.355
744	39.0	-1.340	31.540	25.384
744	40.7	-1.360	31.574	25.412
745	42.5	-1.360	31.588	25.423
745	44.5	-1.360	31.630	25.457
745	45.5	-1.370	31.670	25.490
745	46.4	-1.420	31.723	25.534
745	48.0	-1.400	31.724	25.534
745	50.0	-1.270	31.734	25.539
745	51.8	-1.390	31.734	25.542
746	53.8	-1.390	31.735	25.543
746	55.6	-1.400	31.735	25.543
746	57.6	-1.380	31.737	25.544
746	59.3	-1.400	31.746	25.552
746	61.1	-1.400	31.746	25.552
746	62.7	-1.400	31.751	25.556
747	64.6	-1.380	31.752	25.556
747	65.6	-1.390	31.758	25.561

STATION NO. 6472 1 237 MONTH 8 DAY 27



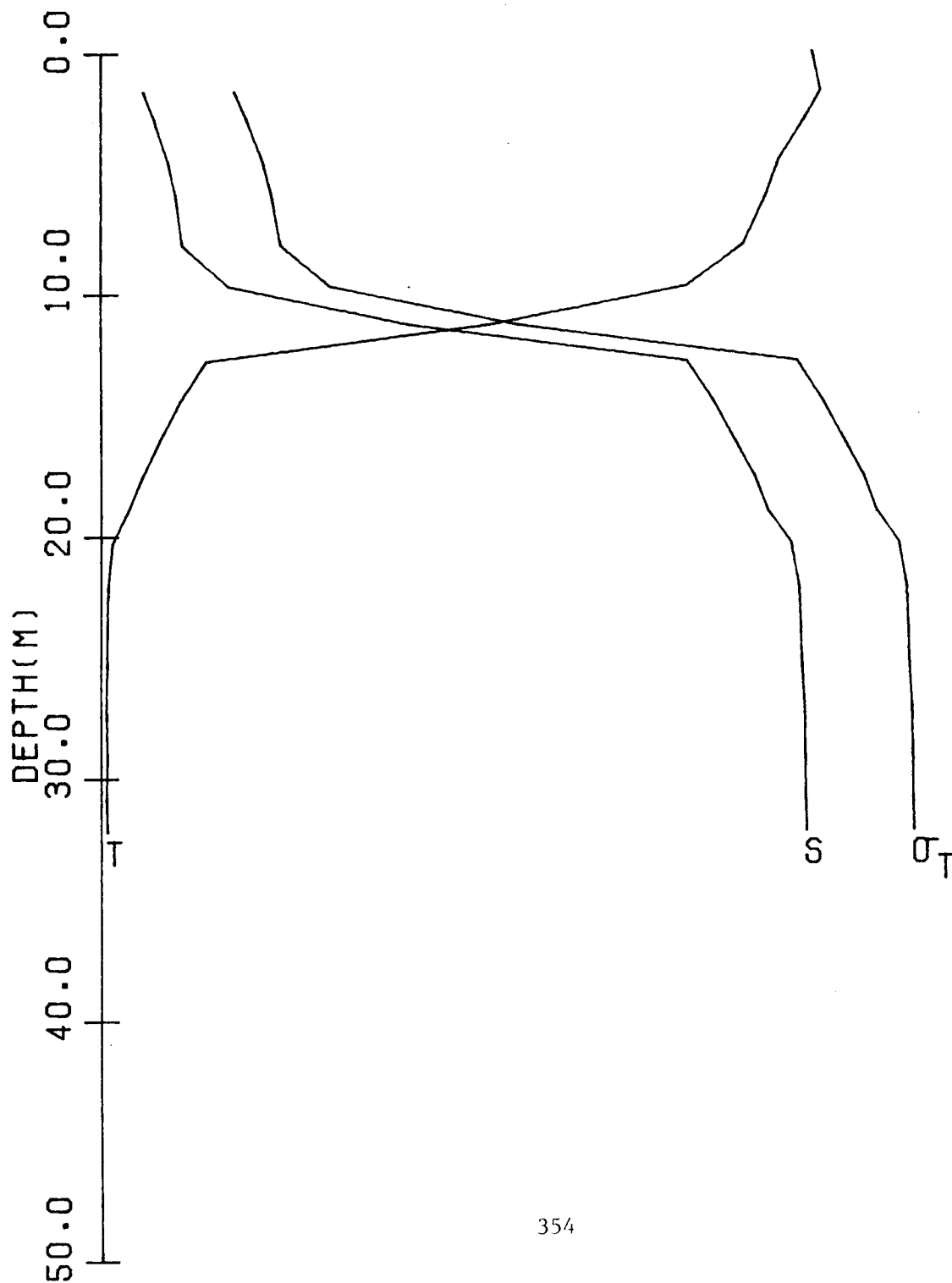
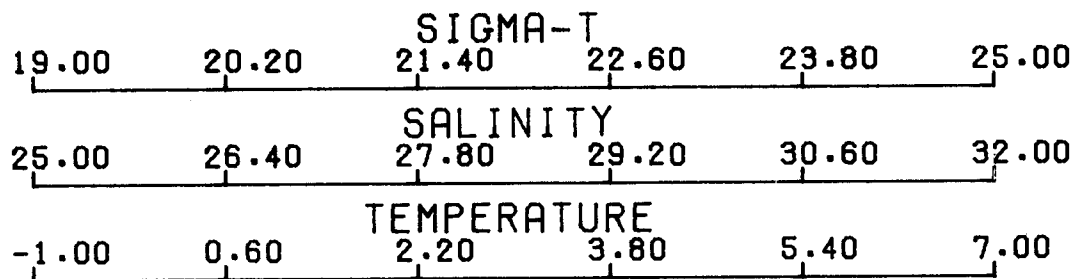
AREA SQUARE NUM 5208J  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6472 VISIT NUM 1 CONSECUTIVE NUM 237  
 LATITUDE 55 DEGREES 21.50 MINUTES  
 LONGITUDE 82 DEGREES 58.00 MINUTES  
 SOUNDING 40.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 100 DEG  
 TEMP DRY 6.8 C TEMP WET 5.8 C  
 PRESSURE 1001.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
857	0.0	6.400		
857	1.5	5.220	25.433	20.020
857	2.7	5.220	25.434	20.023
857	4.3	5.200	25.435	20.023
857	5.9	5.850	25.664	20.240
857	7.5	5.700	25.648	20.242
857	9.3	5.560	25.707	20.303
857	11.2	5.540	25.745	20.335
857	12.9	5.010	27.575	21.998
857	14.6	1.220	28.387	23.155
857	16.5	.220	29.606	23.775
858	17.9	.010	29.910	23.948
858	19.5	-.120	29.936	24.054
858	21.1	-.260	30.037	24.141
858	22.7	-.430	30.155	24.241
858	24.4	-.490	30.235	24.307
858	26.0	-.530	30.240	24.313
858	27.6	-.550	30.244	24.316
858	28.8	-.550	30.251	24.322
858	30.0	-.550	30.257	24.327
858	32.0	-.550	30.269	24.337
858	33.2	-.570	30.275	24.342
858	35.0	-.560	30.278	24.344



STATION NO. 6437 1 238 MONTH 8 DAY 27



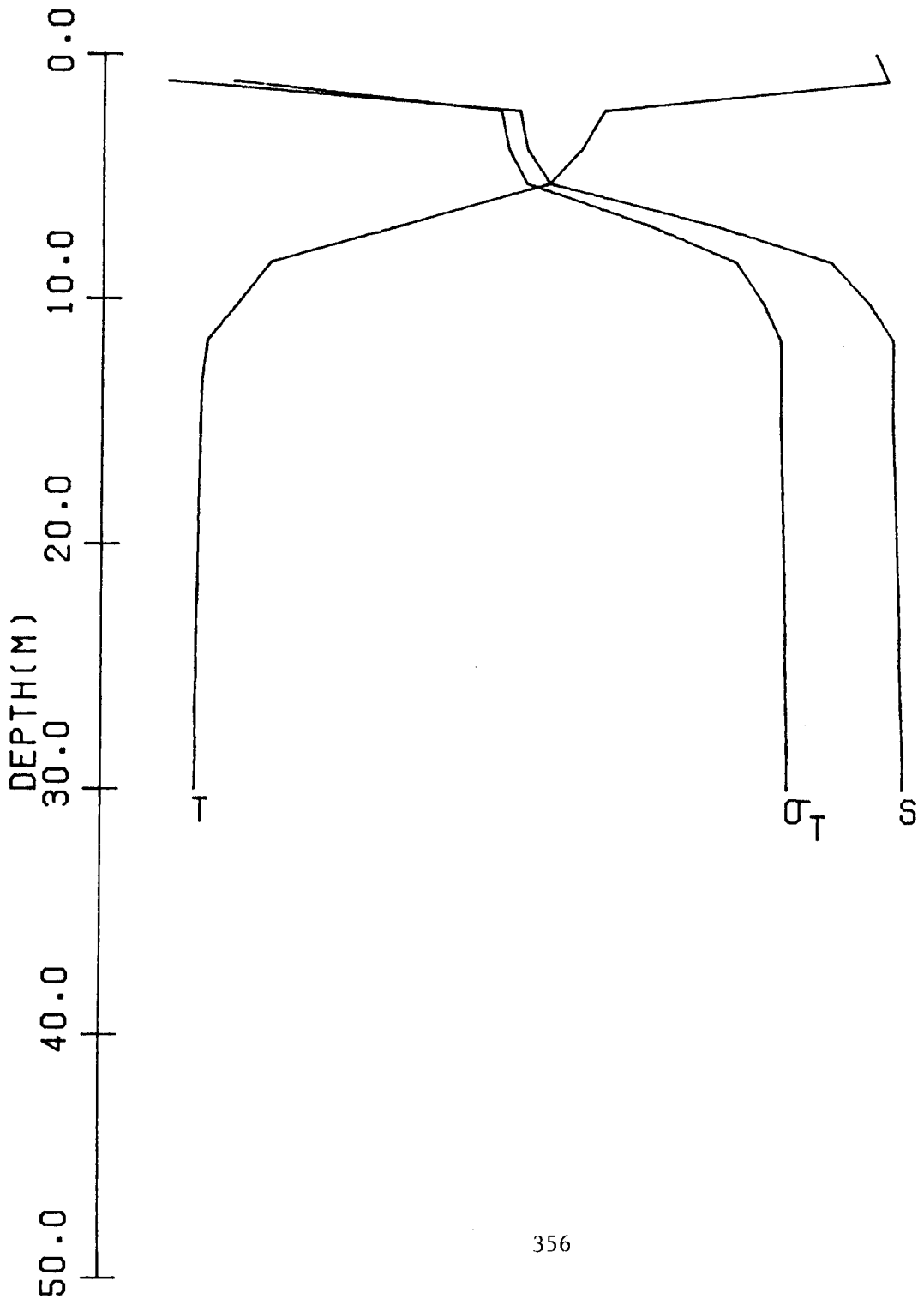
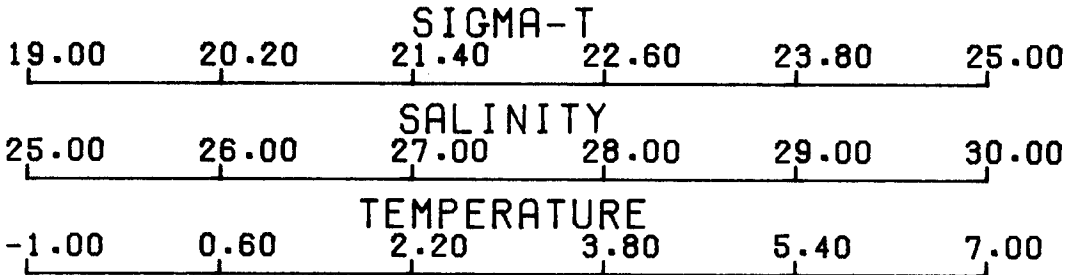
AREA SQUARE NUM 5208J  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6437 VISIT NUM 1 CONSECUTIVE NUM 238  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 82 DEGREES 32.00 MINUTES  
 SOUNDING 33.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 40 DEG  
 TEMP DEPT 6.9 C TEMP WET 6.9 C  
 PRESSURE 1001.7 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SPOCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1036	0.0	6.000		
1042	1.0	6.080	25.364	20.080
1043	2.7	5.930	25.452	20.065
1043	4.5	5.660	25.574	20.018
1043	5.0	5.540	25.641	20.025
1043	8.0	5.310	25.698	20.032
1043	9.7	4.750	26.097	20.068
1043	11.3	2.820	27.650	22.071
1043	12.8	.030	30.045	24.136
1043	14.4	-.220	30.263	24.321
1043	16.1	-.430	30.458	24.485
1043	17.8	-.600	30.629	24.628
1043	19.0	-.740	30.740	24.722
1043	20.3	-.890	30.836	24.884
1043	22.1	-.930	31.006	24.942
1043	23.7	-.940	31.019	24.953
1043	25.2	-.940	31.028	24.960
1044	27.2	-.950	31.052	24.980
1044	29.0	-.940	31.056	24.988
1044	30.9	-.950	31.060	24.988
1044	32.2	-.940	31.069	24.993

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STATION NO. 6438 1 239 MONTH 8 DAY 27



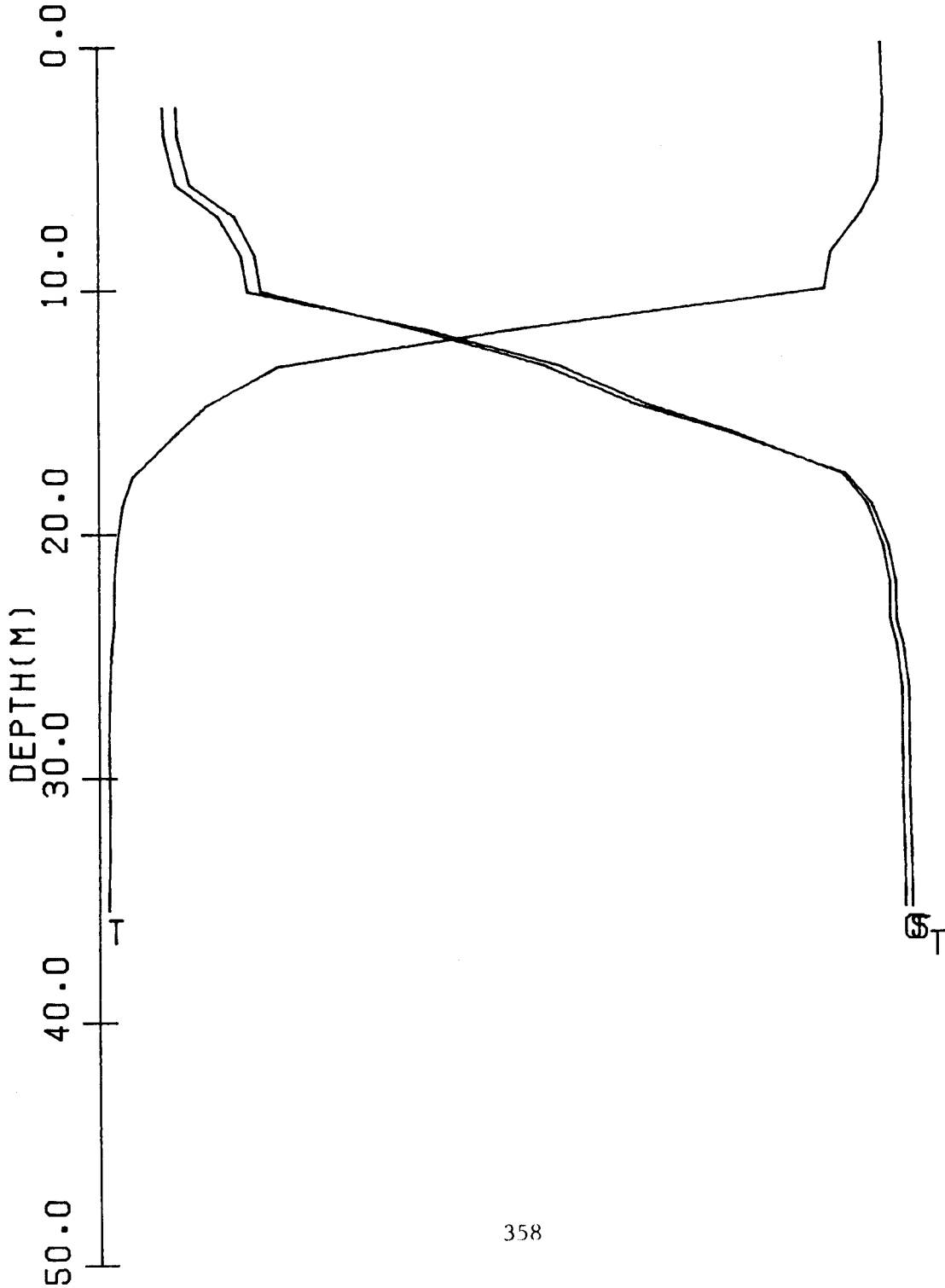
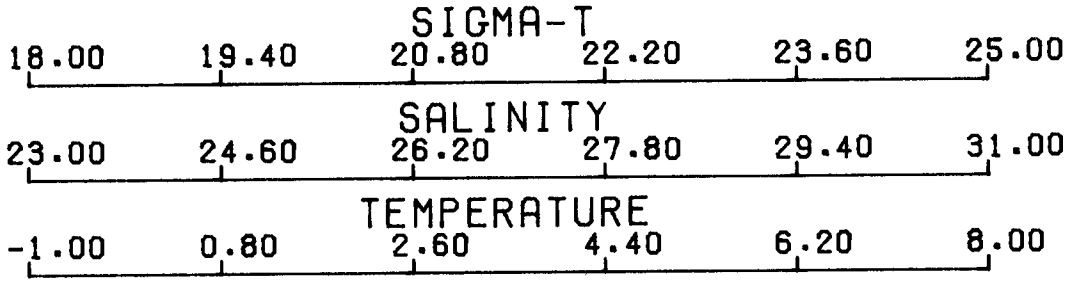
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6438 VISIT NUM 1 CONSECUTIVE NUM 239  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 83 DEGREES 0.00 MINUTES  
 SOUNDING 38.4 METRES SNOW THICKNESS 01  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 45 DEG  
 TEMP DRY 6.8 C TEMP WET 6.2 C  
 PRESSURE 1001.7 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 11

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1220	0.0	6.500		
1221	1.1	6.620	27.389	21.9941
1221	2.3	3.850	27.521	21.9990
1221	3.6	3.630	27.569	21.9946
1221	5.3	3.320	27.707	22.0800
1221	7.0	1.890	26.711	22.0976
1221	8.5	.620	29.421	23.6111
1221	10.2	.300	29.658	23.815
1221	11.7	.010	29.739	23.932
1221	13.3	-.040	29.360	23.942
1221	15.1	-.050	29.300	23.942
1221	21.3	-.080	29.340	23.976
1222	23.7	-.090	29.348	23.988
1222	25.1	-.090	29.349	23.983
1222	26.7	-.100	29.357	23.990
1223	28.3	-.090	29.856	23.997
1223	30.0	-.100	29.369	24.000

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STATION NO. 6439 1 240 MONTH 8 DAY 27



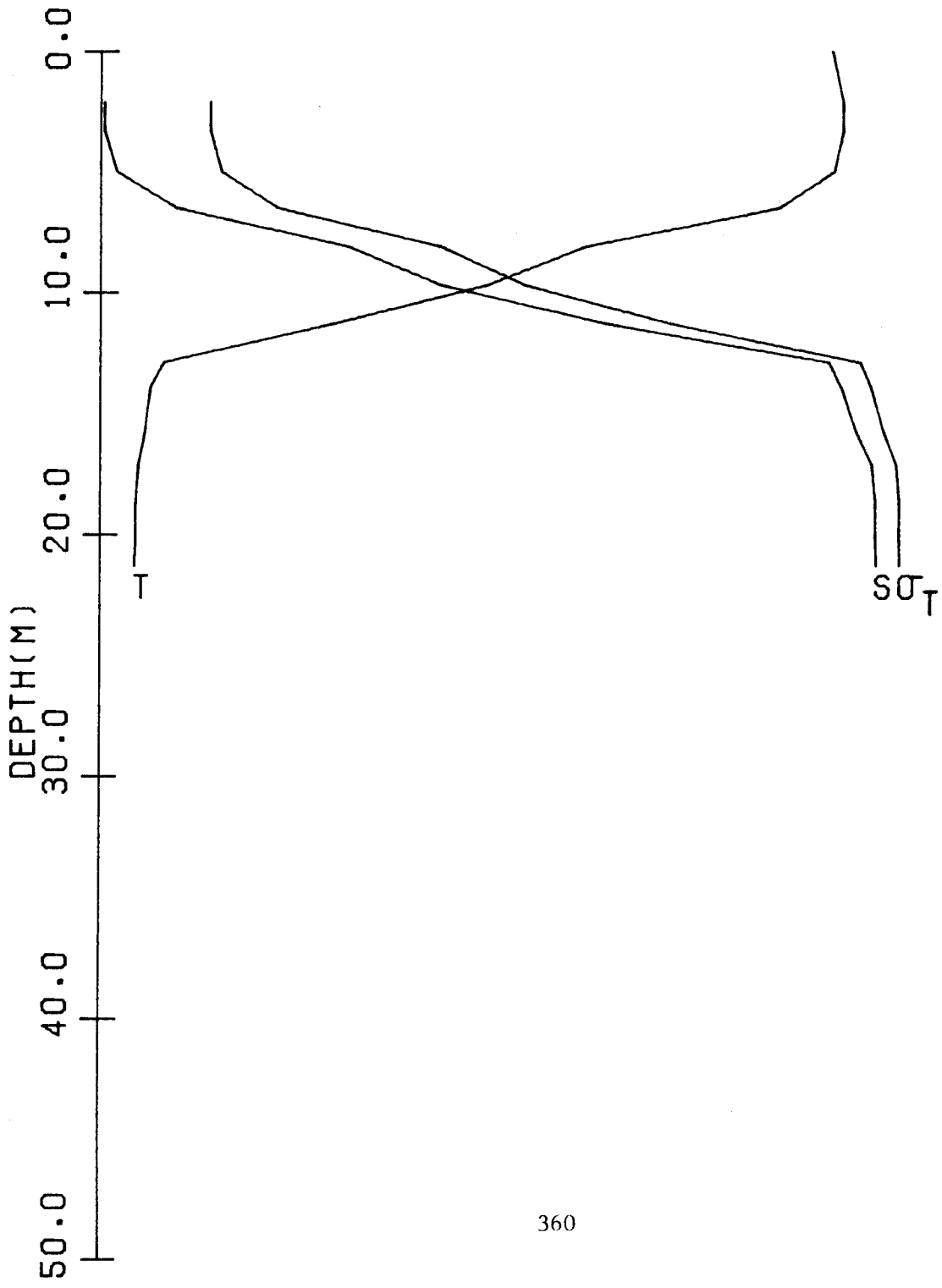
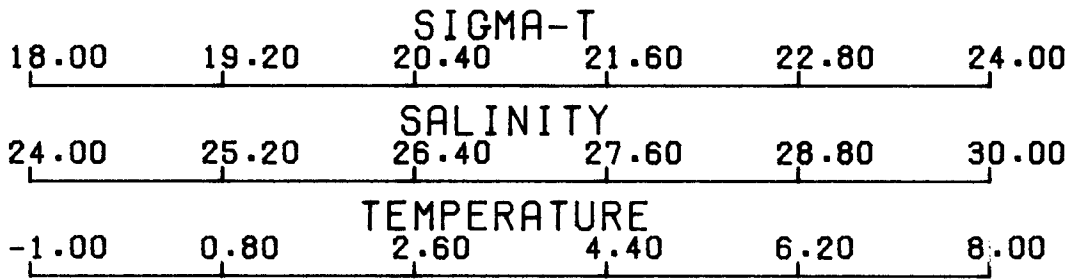
AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6430 VISIT NUM 1 CONSECUTIVE NUM 240  
 LATITUDE 55 DEGREES 34.47 MINUTES  
 LONGITUDE 83 DEGREES 29.00 MINUTES  
 SOUNDING 42.0 METRES SNOW THICKNESS CN  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 18 KNTS WIND DIR 40 DEG  
 TEMP DEW 7.9 C TEMP WET 7.9 C  
 PRESSURE 1001.2 M BAR WAVE HEIGHT 0.5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1422	0.0	7.600		
1425	2.5	7.620	23.751	18.552
1425	3.7	7.610	23.758	18.559
1425	5.7	7.560	23.830	18.660
1425	7.0	7.370	24.323	19.021
1425	8.6	7.040	24.522	19.215
1425	10.1	6.970	24.583	19.271
1425	11.7	3.570	26.115	20.798
1425	13.2	.960	27.351	21.937
1425	14.8	.170	28.240	22.681
1426	15.9	-.150	29.111	23.392
1426	17.7	-.640	30.297	24.362
1426	18.9	-.750	30.550	24.569
1426	20.5	-.810	30.710	24.700
1426	22.1	-.840	30.783	24.760
1426	23.7	-.840	30.789	24.764
1426	24.7	-.870	30.855	24.819
1426	26.5	-.890	30.909	24.863
1426	29.0	-.900	30.913	24.866
1426	31.0	-.890	30.916	24.868
1426	32.9	-.890	30.929	24.870
1426	34.8	-.900	30.938	24.886
1426	34.7	-.900	30.938	24.886
1426	35.4	-.900	30.938	24.886

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STATION NO. 6491 1 241 MONTH 8 DAY 27



AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6491 VISIT NUM 1 CONSECUTIVE NUM 241  
 LATITUDE 55 DEGREES 25.60 MINUTES  
 LONGITUDE 84 DEGREES .60 MINUTES  
 SOUNDING 24.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

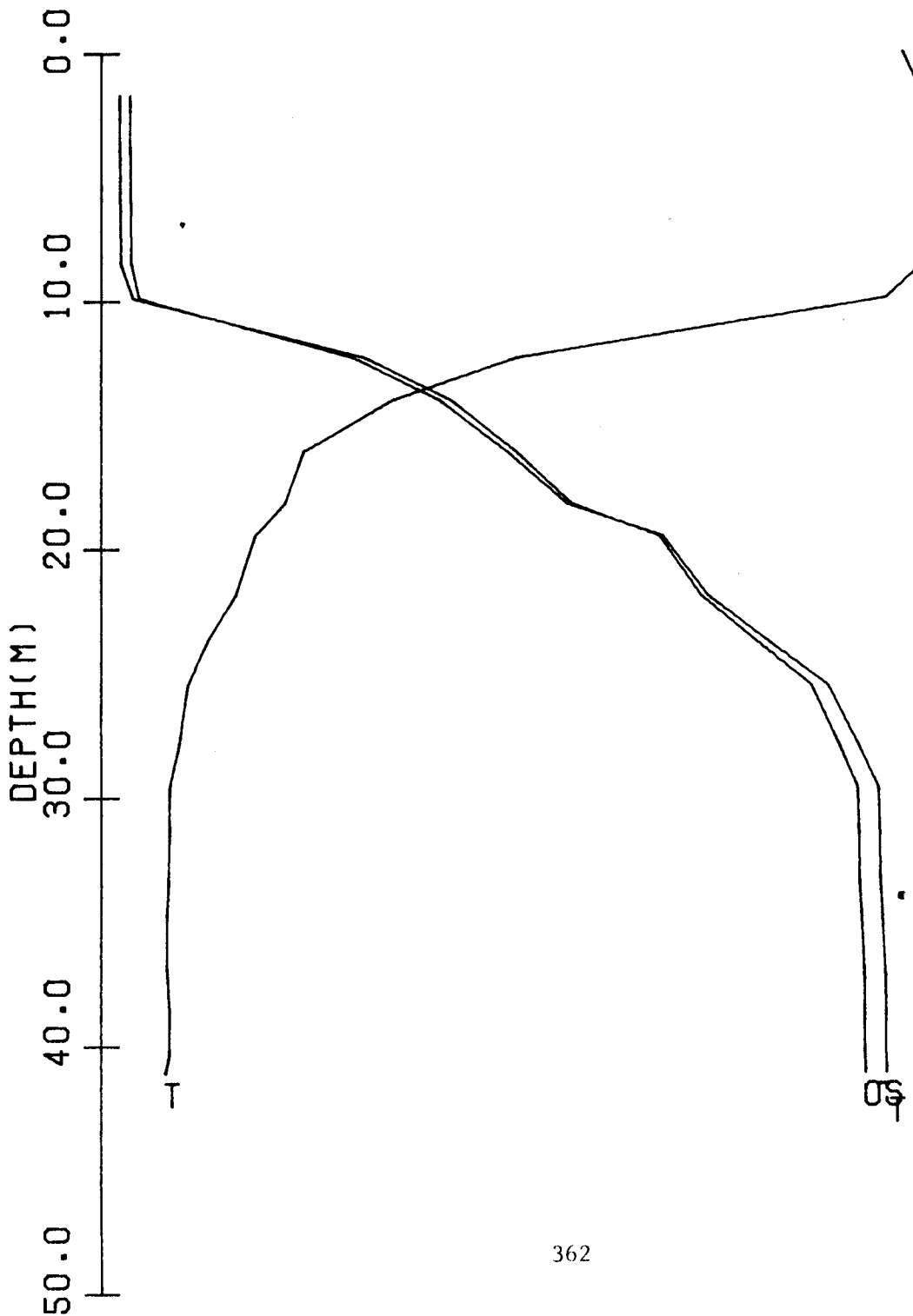
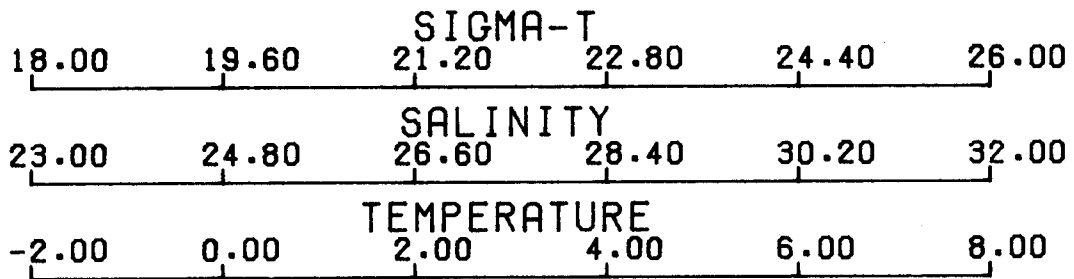
PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 75 DEG  
 TEMP DRY 8.0 C TEMP WET 3.0 C  
 PRESSURE 999.7 M BAR WAVE HEIGHT 2.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
16 9	0.0	7.100		
1611	2.1	7.220	24.026	18.806
1611	3.3	7.220	24.026	18.806
1611	5.0	7.120	24.118	18.890
1611	6.5	6.510	24.551	19.304
1611	8.1	4.360	25.322	20.503
1611	9.7	3.270	26.510	21.134
1611	11.3	1.580	27.728	22.209
1612	12.9	-.300	29.323	23.515
1612	13.9	-.450	29.471	23.691
1612	15.2	-.510	29.585	23.784
1612	17.1	-.580	29.695	23.875
1612	18.7	-.610	29.724	23.895
1612	20.1	-.610	29.724	23.895
1612	21.3	-.620	29.730	23.904

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STATION NO. 6492 1 242 MONTH 8 DAY 27

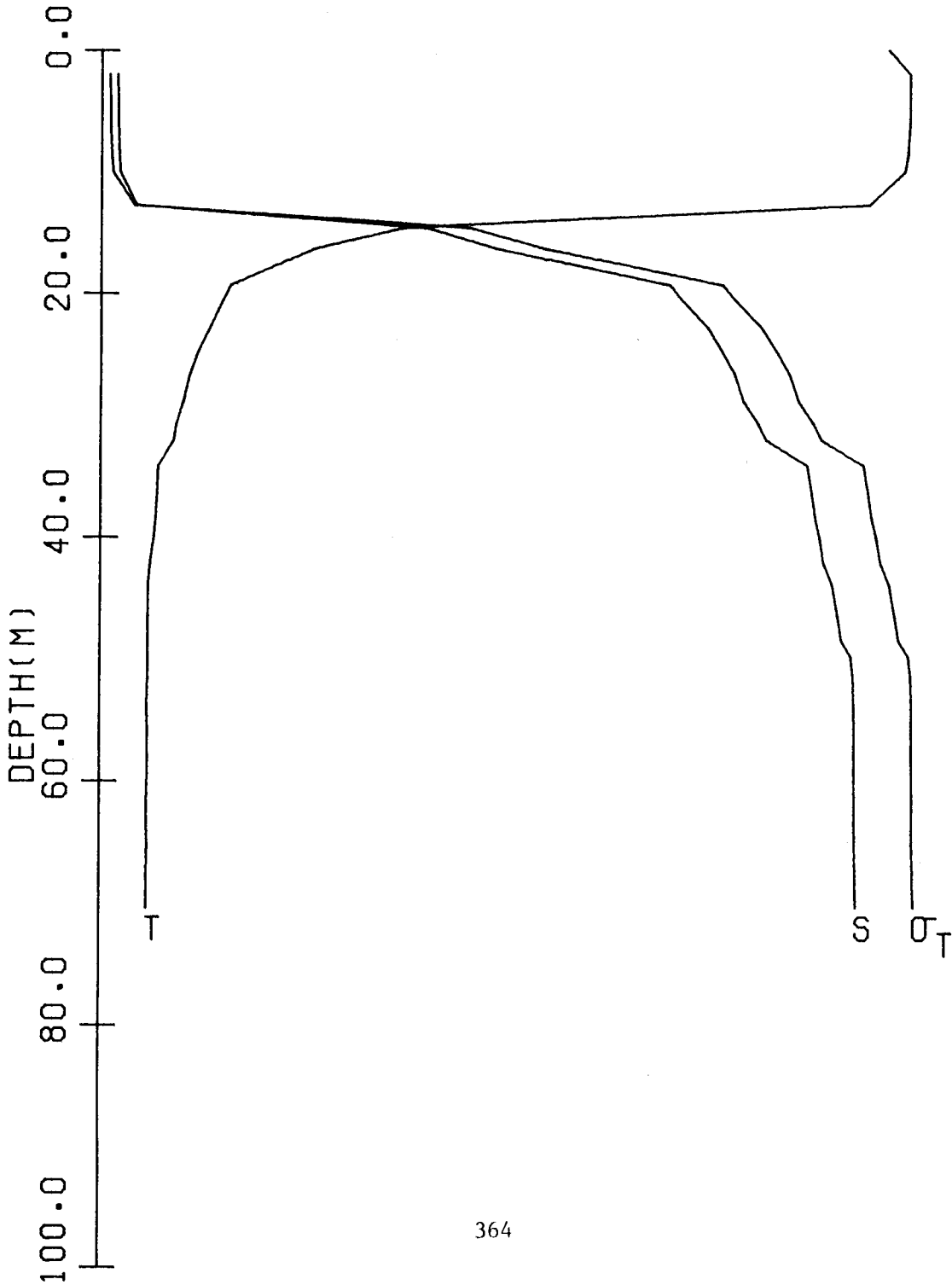
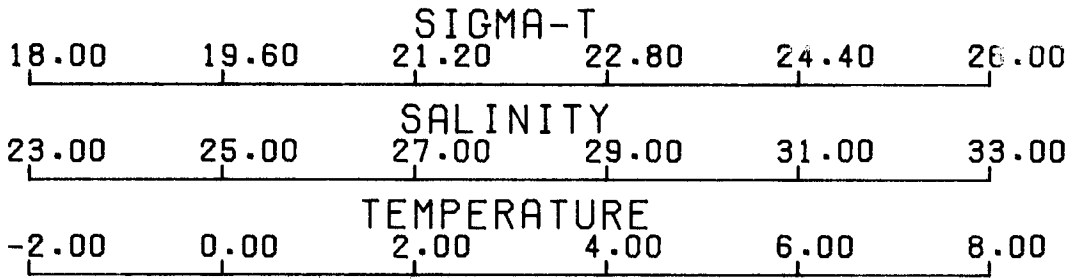


AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6492 VISIT NUM 1 CONSECUTIVE NUM 242  
 LATITUDE 55 DEGREES 34.90 MINUTES  
 LONGITUDE 84 DEGREES 4.00 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 80 DEG  
 TEMP DRY 7.6 C TEMP WET 7.3 C  
 PRESSURE 998.9 M BAR WAVE HEIGHT 0.6 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 12.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1711	0.0	7.600		
1713	1.7	7.830	23.310	18.175
1713	1.9	7.830	23.310	18.175
1713	3.0	7.830	23.310	18.175
1713	3.9	7.840	23.312	18.175
1713	5.9	7.840	23.321	18.182
1713	8.0	7.390	23.404	18.300
1713	9.0	2.970	25.704	20.514
1713	12.3	1.490	26.625	21.332
1713	14.0	.410	27.361	21.967
1713	15.1	.190	28.012	22.497
1713	18.2	-.170	29.043	23.337
1713	19.0	-.400	29.531	23.737
1713	21.0	-.730	30.169	24.261
1714	23.7	-.970	30.828	24.799
1714	25.5	-1.070	31.147	25.060
1714	27.5	-1.190	31.373	25.245
1714	29.5	-1.190	31.387	25.257
1714	33.5	-1.200	31.396	25.264
1714	34.7	-1.220	31.416	25.281
1714	37.0	-1.220	31.448	25.307
1714	38.6	-1.190	31.455	25.312
1714	40.0	-1.190	31.455	25.312
1714	41.1	-1.240	31.463	25.319

STATION NO. 6493 1 243 MONTH 8 DAY 27



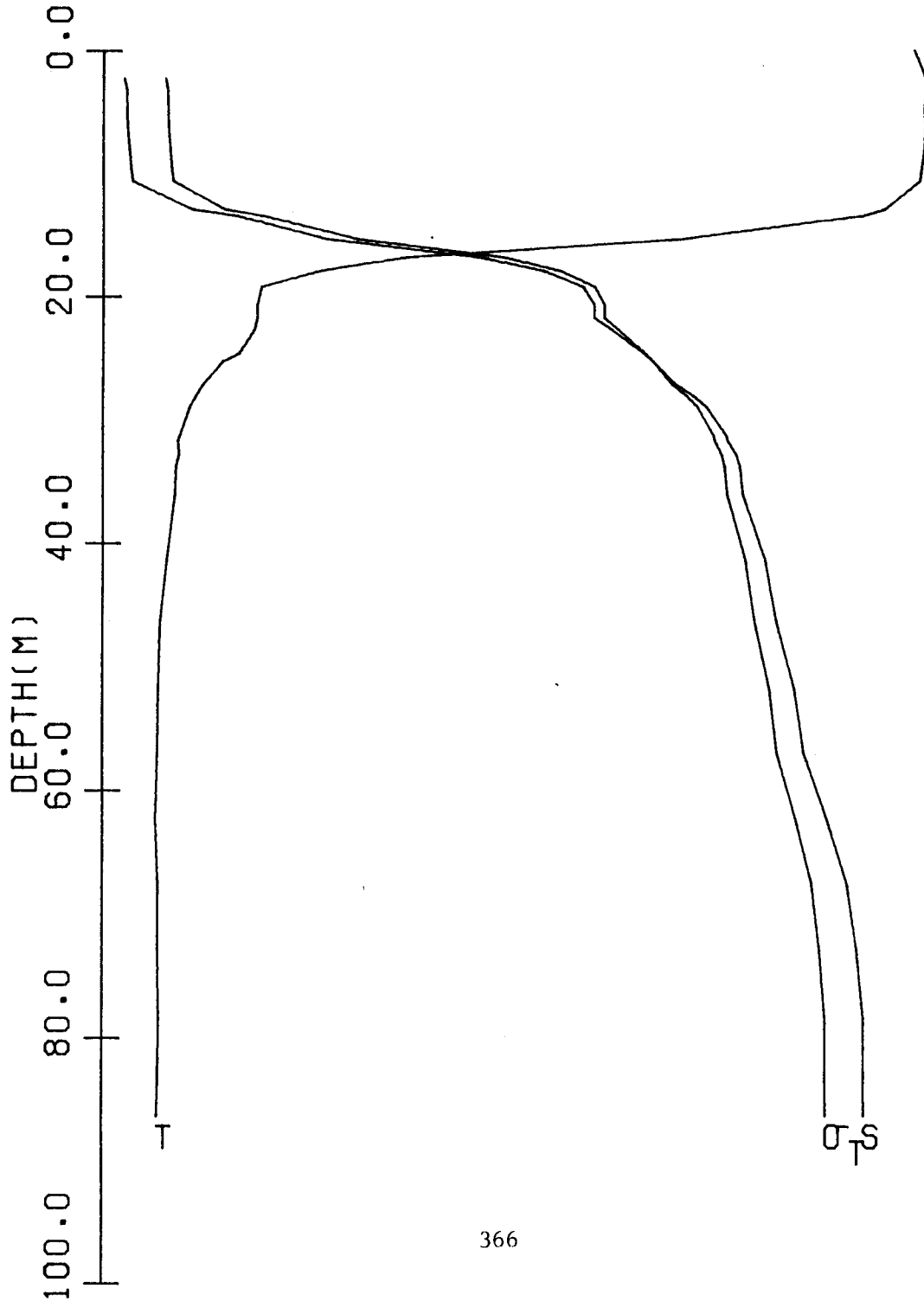
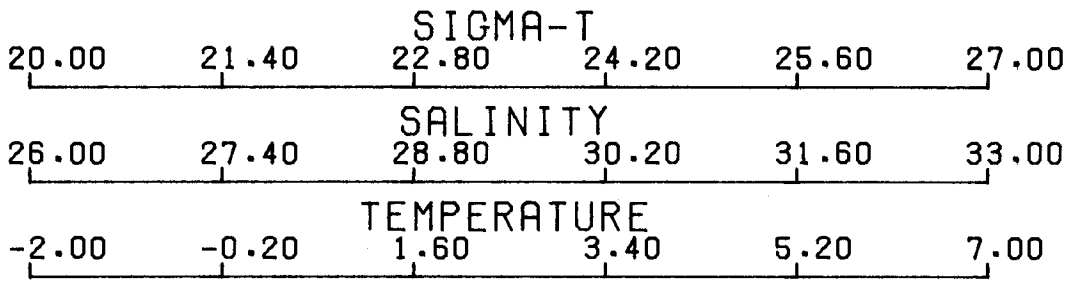
AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6493 VISIT NUM 1 CONSECUTIVE NUM 243  
 LATITUDE 55 DEGREES 49.70 MINUTES  
 LONGITUDE 84 DEGREES 1.00 MINUTES  
 SOUNDING 76.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 21 KNTS WIND DIR 78 DEG  
 TEMP DRY 7.4 C TEMP WET 7.0 C  
 PRESSURE 998.2 M BAR WAVE HEIGHT 0.6 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1817	0.0	7.600		
1819	2.0	7.850	23.191	18.078
1819	2.6	7.860	23.191	18.078
1819	4.0	7.860	23.199	18.085
1819	5.8	7.860	23.199	18.085
1820	8.6	7.840	23.213	18.095
1820	10.1	7.800	23.228	18.114
1820	12.9	7.370	23.427	18.320
1820	14.7	1.700	26.961	21.590
1820	16.5	.600	27.819	22.327
1820	19.4	-.430	29.945	24.072
1820	20.7	-.530	30.099	24.199
1820	22.9	-.680	30.405	24.450
1820	24.9	-.820	30.575	24.591
1820	26.7	-.920	30.733	24.721
1820	29.0	-1.000	30.842	24.811
1820	30.7	-1.080	31.011	24.950
1820	32.1	-1.110	31.113	25.033
1820	34.2	-1.300	31.617	25.445
1820	36.5	-1.310	31.671	25.489
1821	38.7	-1.330	31.719	25.528
1821	40.0	-1.350	31.769	25.569
1821	42.2	-1.400	31.820	25.612
1821	44.0	-1.420	31.930	25.701
1821	46.7	-1.420	32.001	25.759
1821	48.5	-1.420	32.045	25.794
1821	49.9	-1.420	32.161	25.888
1821	51.5	-1.420	32.190	25.912
1821	54.0	-1.430	32.200	25.920
1822	55.8	-1.420	32.203	25.922
1822	57.7	-1.420	32.203	25.922
1822	59.3	-1.420	32.206	25.925
1822	62.1	-1.430	32.210	25.928
1822	63.9	-1.430	32.210	25.928
1822	65.1	-1.420	32.211	25.929
1823	67.7	-1.430	32.220	25.936
1823	69.7	-1.430	32.225	25.940
1823	69.9	-1.430	32.227	25.942
1823	70.4	-1.430	32.229	25.943

S

STATION NO. 6494 1 244 MONTH 8 DAY 27

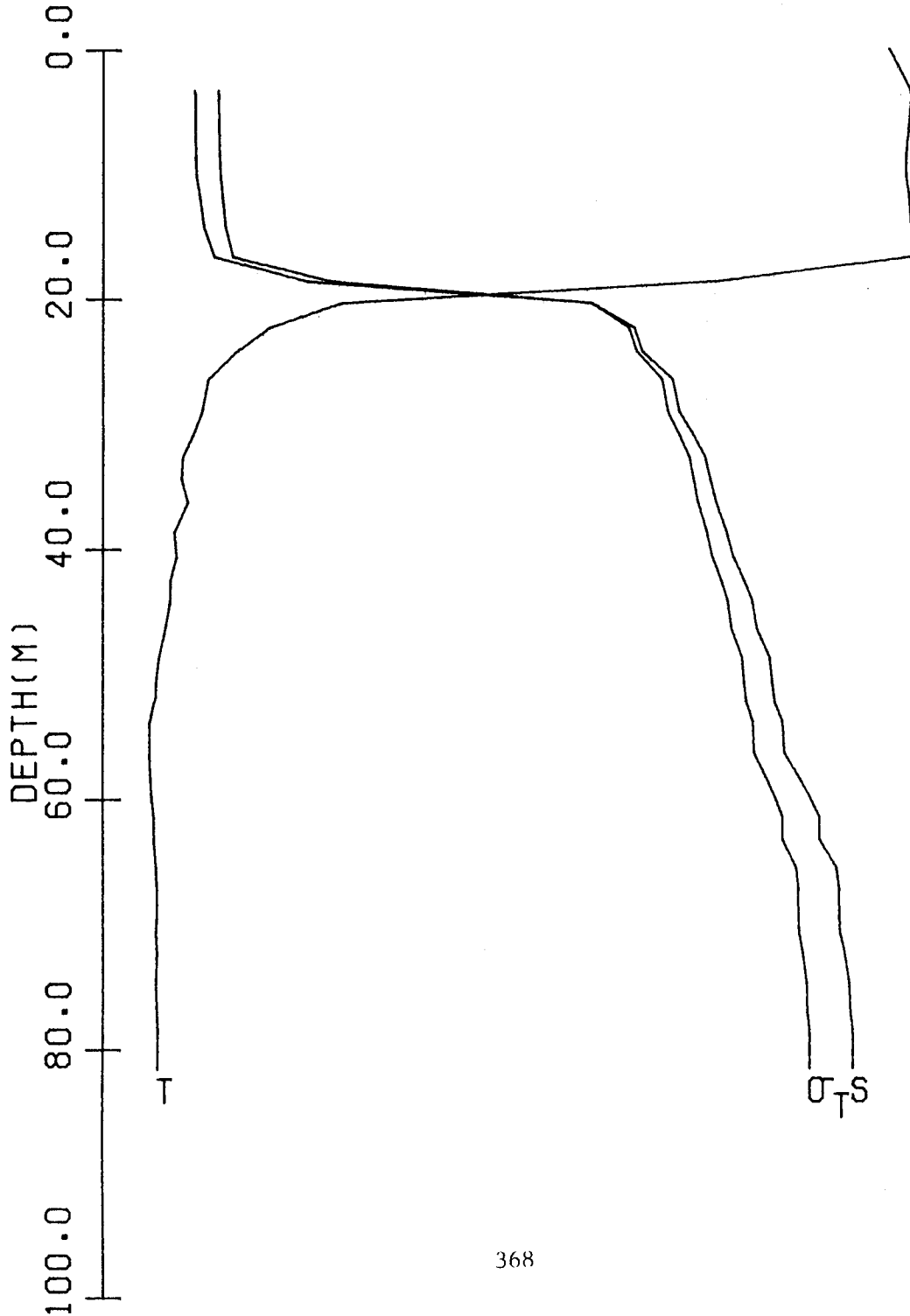
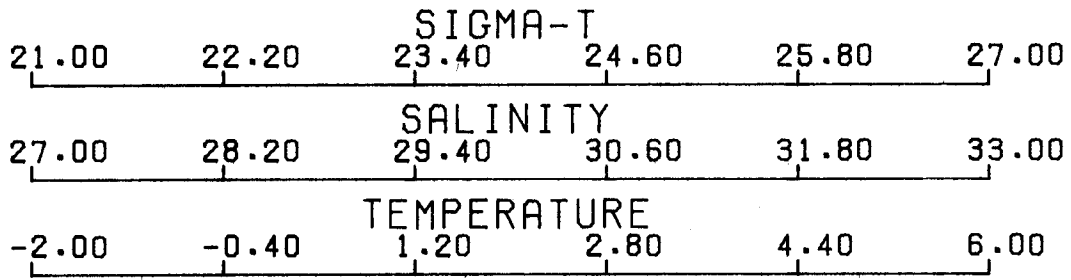


AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6494 VISIT NUM 1 CONSECUTIVE NUM 244  
 LATITUDE 55 DEGREES 56.90 MINUTES  
 LONGITUDE 13 DEGREES 54.20 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 24 KNTS WIND DIR 80 DEG  
 TEMP DEW 6.6 C TEMP WET 6.5 C  
 PRESSURE 997.9 M BAR WAVE HEIGHT 1.5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
19328	0.0	5.800		
19328	2.0	6.930	26.173	200.521
19328	3.2	6.930	26.195	200.538
19328	4.8	6.910	26.199	200.543
19328	6.1	6.920	26.202	200.544
19328	8.0	6.910	26.218	200.558
19328	9.7	6.880	26.231	200.572
19328	10.7	6.860	26.246	200.586
19328	13.0	6.480	26.746	210.022
19328	13.5	6.250	27.114	211.336
19328	15.4	4.280	27.883	220.140
19328	16.0	1.270	29.184	230.389
19328	18.0	0.350	29.716	233.850
19328	19.3	-.200	30.047	234.490
19328	20.7	-.330	30.143	234.828
19328	21.8	-.330	30.143	234.828
19328	22.7	-.360	30.285	234.943
19328	24.7	-.530	30.527	234.976
19328	25.3	-.700	30.639	234.639
19328	27.2	-.920	30.834	234.803
19328	28.1	-.990	30.976	234.919
19328	29.0	-1.060	31.093	235.016
19328	31.4	-1.170	31.263	235.155
19328	31.7	-1.190	31.270	235.162
19328	32.8	-1.180	31.345	235.222
19328	33.8	-1.210	31.376	235.248
19328	36.1	-1.220	31.400	235.268
19328	41.4	-1.310	31.594	235.427
19328	46.5	-1.380	31.694	235.500
19328	51.0	-1.400	31.845	235.632
19328	57.0	-1.410	31.925	235.697
19328	62.3	-1.430	32.120	235.857
19328	67.0	-1.400	32.291	235.993
19328	73.0	-1.400	32.377	236.062
19328	78.0	-1.390	32.435	236.109
19328	83.0	-1.400	32.435	236.109
19328	86.4	-1.410	32.438	236.112

STATION NO. 6458 1 245 MONTH 8 DAY 29



AREA SQUARE NUM 56080  
 DATE 3 MONTH 29 DAY  
 STATION NUM 6438 VISIT NUM 1 CONSECUTIVE NUM 249  
 LATITUDE 56 DEGREES 20.40 MINUTES  
 LONGITUDE 83 DEGREES 31.20 MINUTES  
 SOUNDING 01.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

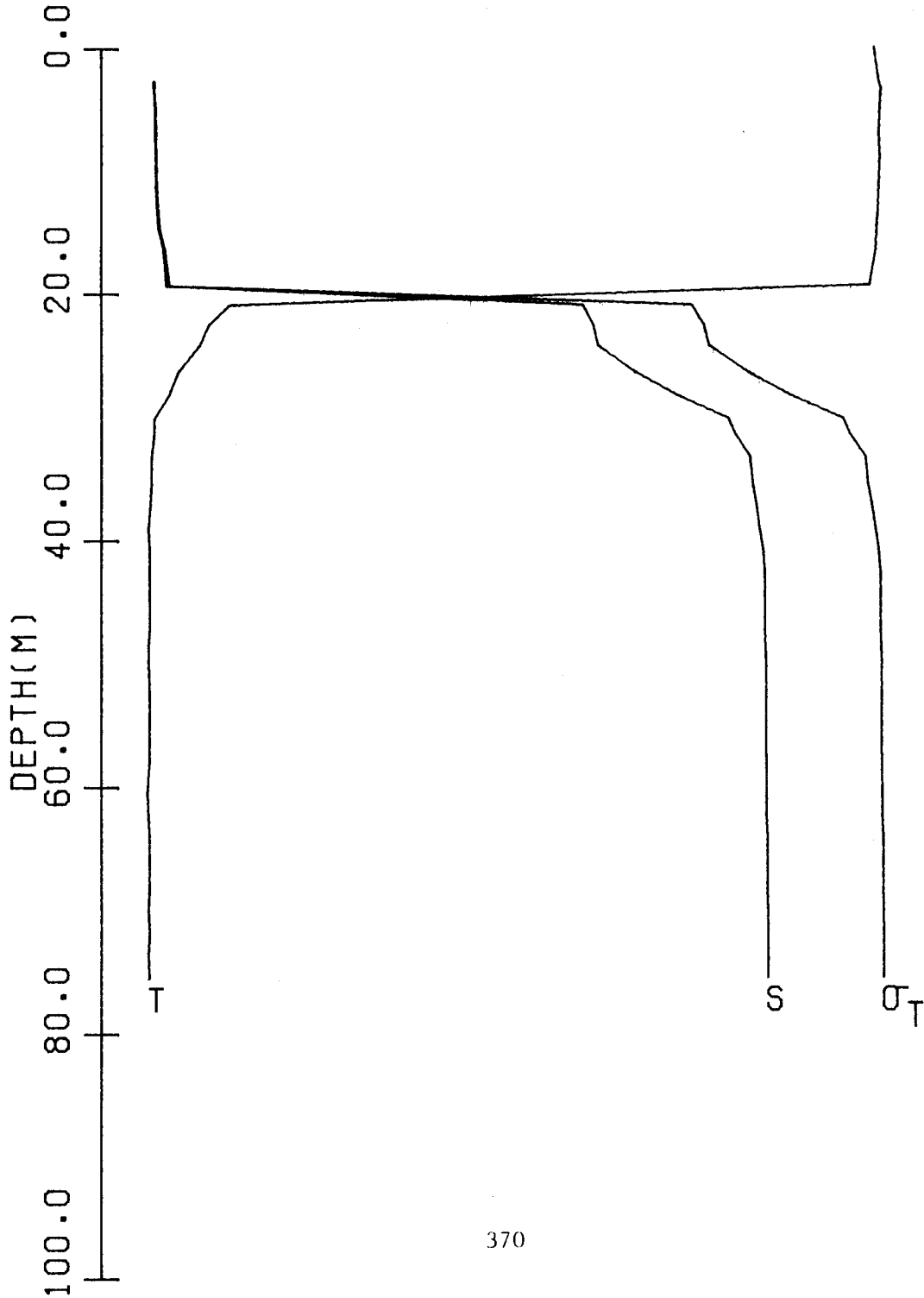
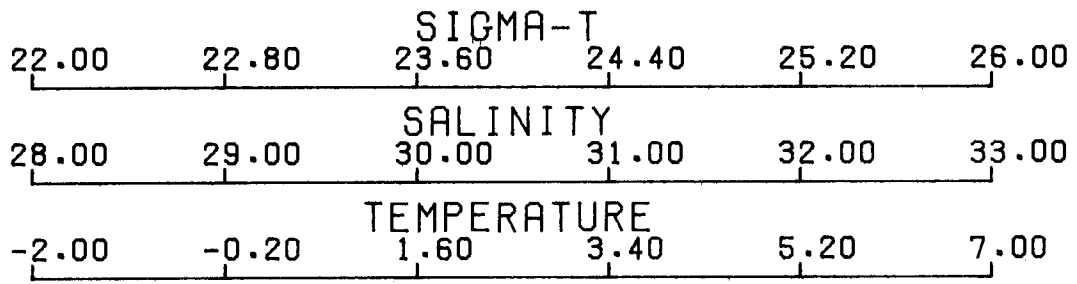
PROFILE NUM 1  
 WIND SPEED 18 KNTS WIND DIR 30 DEG  
 TEMP DRIFT 5.4 C TEMP WET 5.2 C  
 PRESSURE 1024.7 M BAR WAVE HEIGHT 0.1 M  
 SWELL HEIGHT 0.1 M SWELL DIR 360 M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1740	0.0	5.500		
1742	3.3	5.700	27.650	21.817
1742	3.7	5.710	27.653	21.819
1742	3.9	5.690	27.653	21.821
1742	8.6	5.660	27.657	21.827
1742	10.3	5.660	27.654	21.833
1742	11.3	5.690	27.686	21.847
1742	14.3	5.710	27.716	21.868
1742	16.7	5.760	27.792	21.923
1742	18.7	5.970	28.438	22.631
1743	20.4	5.280	30.492	24.486
1743	22.4	5.420	30.800	24.760
1743	24.4	5.730	30.837	24.816
1743	26.5	5.000	31.075	25.000
1743	29.1	-1.060	31.121	25.038
1743	30.7	-1.130	31.208	25.110
1743	32.7	-1.240	31.306	25.192
1743	34.5	-1.250	31.344	25.223
1743	36.3	-1.190	31.384	25.254
1743	38.7	-1.320	31.460	25.319
1743	40.7	-1.300	31.510	25.359
1743	42.6	-1.360	31.588	25.423
1743	44.2	-1.360	31.643	25.469
1743	46.5	-1.410	31.682	25.500
1743	48.8	-1.470	31.774	25.576
1744	50.7	-1.500	31.790	25.590
1744	51.9	-1.500	31.805	25.602
1744	52.3	-1.520	31.810	25.606
1744	53.9	-1.560	31.967	25.653
1744	56.4	-1.560	31.988	25.664
1744	58.4	-1.550	31.986	25.749
1745	59.9	-1.540	32.006	25.811
1745	61.5	-1.520	32.130	25.865
1745	63.3	-1.520	32.130	25.865
1745	65.6	-1.500	32.253	25.964
1745	67.2	-1.490	32.271	25.979
1745	69.4	-1.490	32.274	25.981
1746	70.7	-1.500	32.280	25.986
1746	72.3	-1.490	32.312	26.012
1746	74.7	-1.500	32.346	26.046
1746	77.1	-1.490	32.354	26.046
1746	78.5	-1.480	32.370	26.059
1746	80.2	-1.480	32.370	26.059
1747	81.0	-1.480	32.370	26.059

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STATION NO. 6482 1 246 MONTH 8 DAY 29

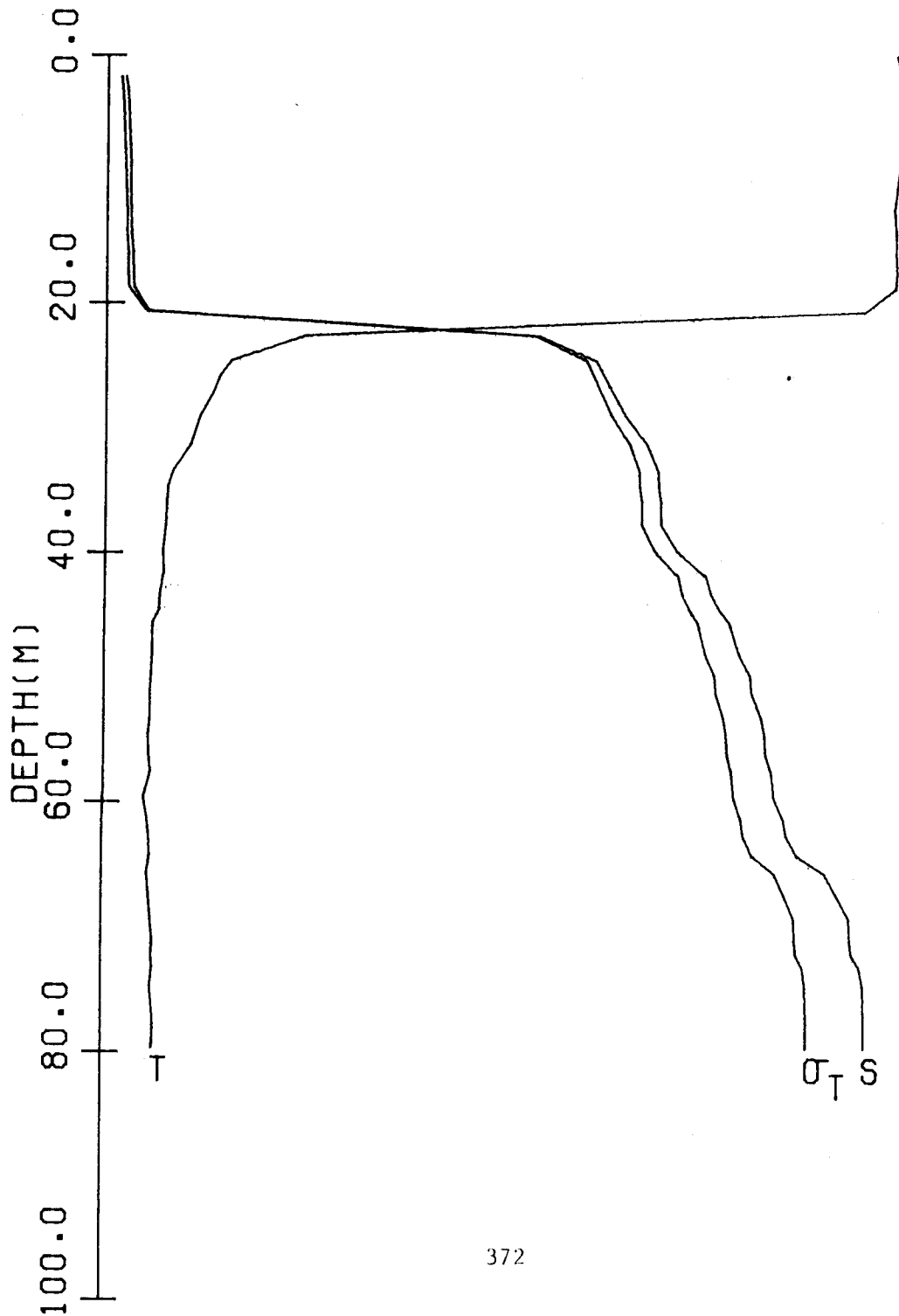
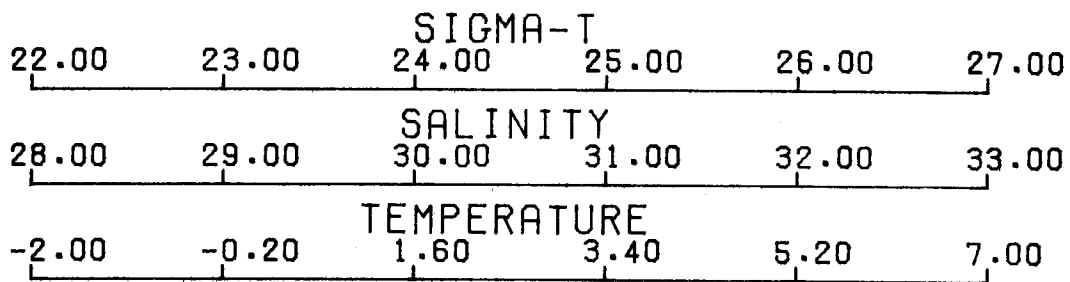


AREA SQUARE NUM 56083  
 DATE 5 MONTH 29 DAY  
 STATION NUM 6482 VISIT NUM 1 CONSECUTIVE NUM 248  
 LATITUDE 56 DEGREES 0.50 MINUTES  
 LONGITUDE 83 DEGREES .80 MINUTES  
 SOUNDING 84.1 METRES SNOW THICKNESS 04  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 18 KNTS WIND DIR 290 DEG  
 TEMP DRY 5.0 C TEMP WET 3.2 C  
 P PRESSURE 1024.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 360 M  
 SECCHI DISC 14.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
1936	0.0	6.400		
1937	2.7	6.450	28.313	22.255
1937	3.3	6.470	28.316	22.255
1938	4.0	6.460	28.323	22.263
1938	5.0	6.450	28.323	22.263
1938	6.0	6.460	28.327	22.265
1938	8.0	6.450	28.329	22.268
1938	11.3	6.440	28.336	22.274
1938	13.3	6.430	28.344	22.282
1938	14.7	6.420	28.349	22.287
1938	16.0	6.350	28.352	22.290
1938	19.0	6.10	30.908	22.445
1938	21.0	6.340	30.971	22.485
1938	22.0	6.40	31.000	22.493
1938	22.5	6.170	31.222	22.512
1938	23.0	6.270	31.472	22.532
1938	30.0	6.430	31.787	22.556
1938	31.0	6.430	31.330	22.550
1939	33.0	6.460	31.920	22.569
1939	35.0	6.460	31.934	22.570
1939	37.0	6.470	31.957	22.572
1939	39.0	6.490	31.977	22.574
1939	40.0	6.480	31.996	22.575
1939	42.0	6.480	32.008	22.576
1939	44.0	6.480	32.008	22.576
1939	46.0	6.480	32.008	22.576
1939	47.0	6.480	32.011	22.576
1939	48.0	6.490	32.015	22.577
1940	52.0	6.480	32.017	22.577
1940	54.0	6.480	32.017	22.577
1940	56.0	6.480	32.017	22.577
1940	57.0	6.480	32.020	22.577
1940	60.0	6.490	32.020	22.577
1941	62.0	6.480	32.026	22.578
1941	64.0	6.480	32.026	22.578
1941	65.0	6.480	32.026	22.578
1941	68.0	6.490	32.029	22.578
1941	69.0	6.480	32.031	22.578
1942	71.0	6.490	32.031	22.578
1942	73.0	6.480	32.031	22.578
1942	75.0	6.480	32.031	22.578

STATION NO. 6457 1 247 MONTH 8 DAY 29



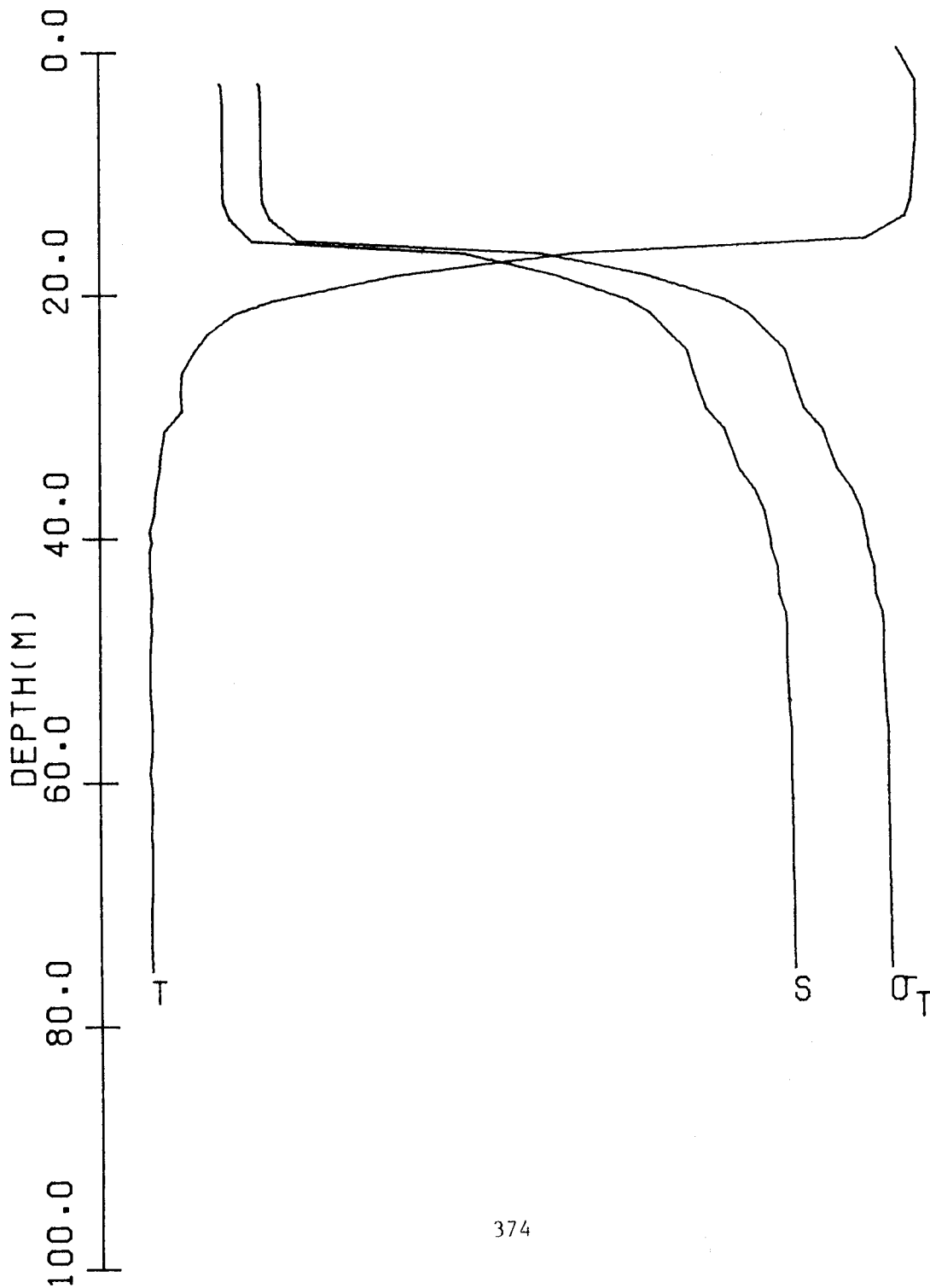
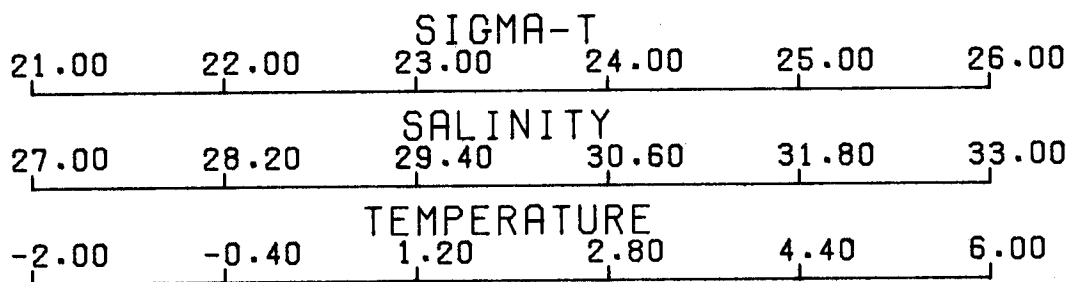
AREA SQUARE NUM 56080  
 DATE 8 MONTH 29 DAY  
 STATION NUM 6457 VISIT NUM 1 CONSECUTIVE NUM 247  
 LATITUDE 56 DEGREES 19.70 MINUTES  
 LONGITUDE 83 DEGREES .50 MINUTES  
 SOUNDING 91.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 80 DEG  
 TEMP DRY 5.0 C TEMP WET 3.6 C  
 PRESSURE 1024.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.5 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2046	0.0	6.500		
2049	1.6	6.560	28.108	22.081
2049	2.6	6.570	28.117	22.087
2049	4.1	6.560	28.125	22.095
2050	5.7	6.570	28.130	22.097
2050	7.3	6.560	28.135	22.103
2050	8.7	6.540	28.139	22.108
2050	10.5	6.510	28.140	22.112
2050	12.5	6.480	28.144	22.119
2050	14.4	6.500	28.147	22.119
2050	16.0	6.500	28.157	22.127
2050	17.6	6.510	28.159	22.127
2050	18.8	6.500	28.165	22.133
2050	20.7	6.470	28.254	22.241
2050	22.7	.140	30.589	24.569
2050	24.7	-.650	30.933	24.875
2050	25.9	-.770	30.983	24.919
2050	27.5	-.860	31.046	24.972
2051	29.1	-.980	31.111	25.028
2051	31.4	-1.080	31.242	25.137
2051	33.5	-1.270	31.309	25.195
2051	34.7	-1.320	31.310	25.197
2051	35.9	-1.330	31.325	25.210
2051	37.8	-1.340	31.326	25.211
2051	39.9	-1.370	31.423	25.290
2051	41.7	-1.360	31.573	25.411
2051	41.9	-1.370	31.538	25.431
2051	43.4	-1.400	31.629	25.457
2051	44.7	-1.410	31.683	25.501
2051	45.7	-1.480	31.742	25.550
2051	49.2	-1.480	31.799	25.596
2051	49.9	-1.490	31.858	25.633
2051	51.3	-1.500	31.878	25.661
2051	53.3	-1.500	31.936	25.708
2051	54.6	-1.520	31.956	25.724
2051	56.2	-1.510	31.965	25.731
2051	57.5	-1.490	31.997	25.757
2051	59.7	-1.560	32.015	25.773
2051	61.4	-1.520	32.071	25.818
2051	62.7	-1.500	32.088	25.831
2051	64.3	-1.490	32.155	25.885
2051	65.7	-1.520	32.319	26.018
2051	67.3	-1.500	32.386	26.072
2051	69.3	-1.480	32.466	26.136
2051	71.1	-1.460	32.472	26.141
2051	72.2	-1.470	32.493	26.149
2051	73.2	-1.460	32.530	26.188
2051	74.6	-1.480	32.551	26.205
2051	77.3	-1.450	32.555	26.208
2051	78.7	-1.450	32.555	26.208
2051	79.7	-1.460	32.555	26.208

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STATION NO. 6456 1 248 MONTH 8 DAY 29

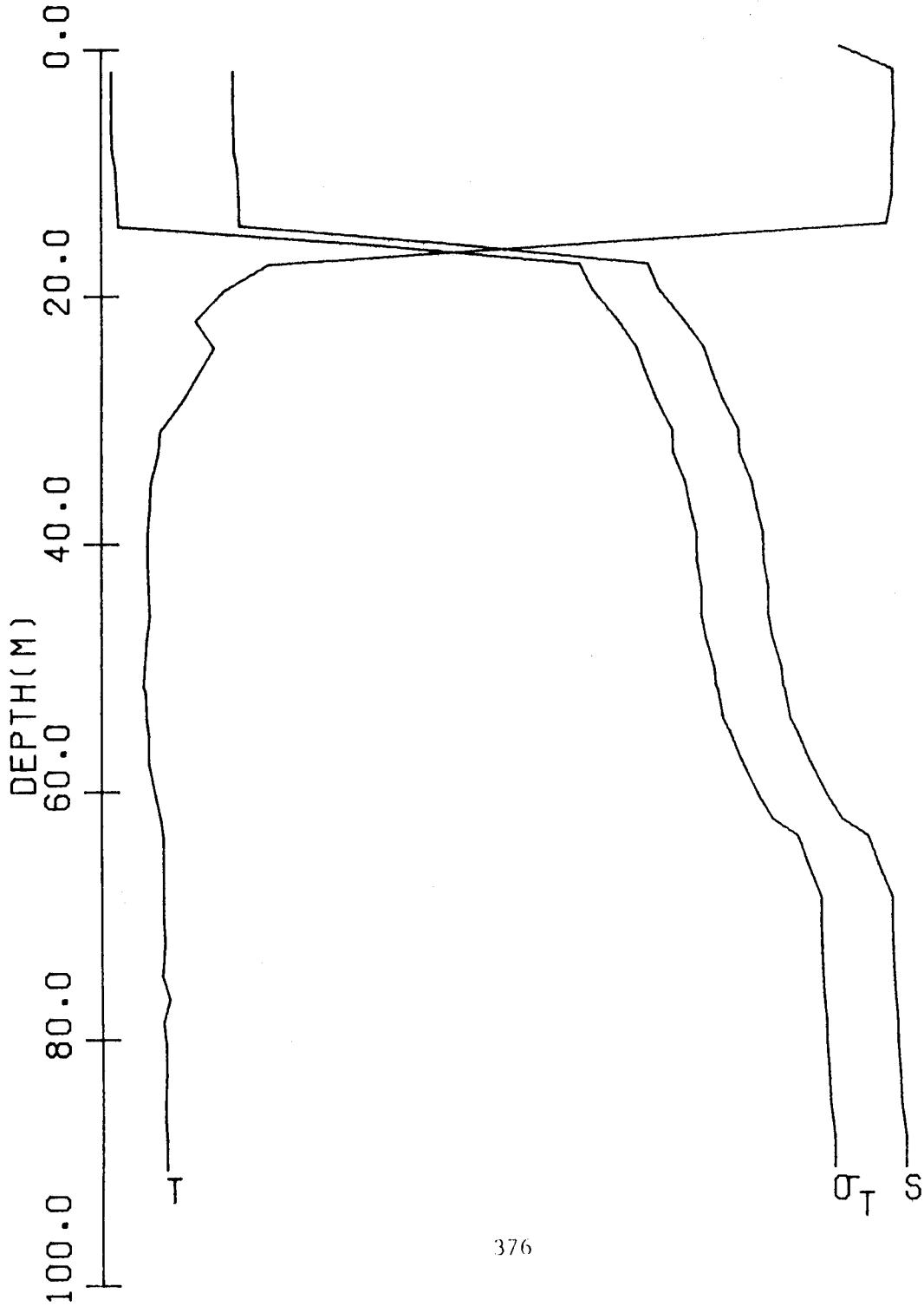
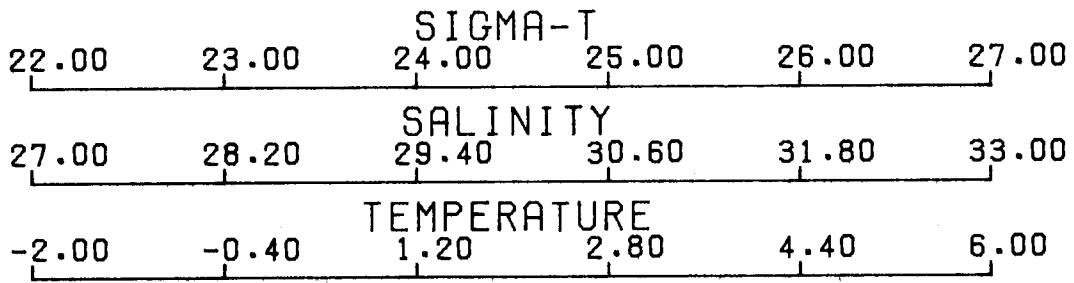


AREA SQUARE NUM 56080  
 DATE 8 MONTH 29 DAY  
 STATION NUM 6456 VISIT NUM 1 CONSECUTIVE NUM 248  
 LATITUDE 56 DEGREES 19.50 MINUTES  
 LONGITUDE 82 DEGREES 31.10 MINUTES  
 SOUNDING 83.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 280 DEG  
 TEMP DAY 4.8 C TEMP WET 3.1 C  
 PRESSURE 1024.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC 16.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
22227	0.0	5.800		
22230	2.0	5.900	27.377	21.966
22230	2.0	5.900	27.339	21.975
22230	4.0	5.980	27.397	21.982
22230	6.0	5.950	27.398	21.982
22230	7.0	5.980	27.398	21.982
22230	9.0	5.900	27.398	21.985
22230	10.0	5.950	27.398	21.986
22230	12.0	5.930	27.403	21.992
22230	13.0	5.870	27.952	22.037
22230	15.0	5.490	28.113	22.204
22230	16.0	2.650	29.671	23.691
22230	18.0	1.900	30.333	24.333
22231	20.0	1.300	30.363	24.307
22231	21.0	1.500	31.033	24.957
22231	23.0	1.950	31.170	25.075
22231	24.0	-1.080	31.304	25.187
22231	26.0	-1.200	31.317	25.224
22231	28.0	-1.210	31.325	25.264
22231	29.0	-1.200	31.442	25.301
22231	31.0	-1.370	31.576	25.414
22231	33.0	-1.410	31.646	25.471
22231	34.0	-1.420	31.595	25.503
22231	36.0	-1.460	31.300	25.597
22231	38.0	-1.470	31.969	25.653
22231	39.0	-1.520	31.396	25.676
22232	40.0	-1.500	31.315	25.691
22232	41.0	-1.520	31.320	25.695
22232	42.0	-1.520	31.964	25.731
22232	44.0	-1.500	31.376	25.740
22232	46.0	-1.510	32.025	25.780
22232	47.0	-1.500	32.033	25.786
22233	49.0	-1.520	32.033	25.787
22233	51.0	-1.520	32.037	25.790
22233	52.0	-1.520	32.045	25.796
22233	54.0	-1.500	32.053	25.803
22233	55.0	-1.500	32.067	25.814
22233	57.0	-1.500	32.067	25.814
22234	59.0	-1.520	32.067	25.814
22234	60.0	-1.500	32.068	25.815
22234	62.0	-1.500	32.074	25.820
22234	64.0	-1.510	32.075	25.821
22234	65.0	-1.500	32.076	25.821
22234	67.0	-1.500	32.076	25.821
22235	69.0	-1.500	32.083	25.827
22235	70.0	-1.510	32.083	25.827
22235	71.0	-1.510	32.084	25.828
22235	73.0	-1.510	32.084	25.828
22235	75.0	-1.500	32.090	25.832

STATION NO. 6474 1 249 MONTH 8 DAY 29



AREA SQUARE NUM 56080  
 DATE 8 MONTH 29 DAY  
 STATION NUM 6474 VISIT NUM 1 CONSECUTIVE NUM 249  
 LATITUDE 56 DEGREES 10.00 MINUTES  
 LONGITUDE 82 DEGREES 5.50 MINUTES  
 SOUNDING 107.9 METRES SNOW THICKNESS 0  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

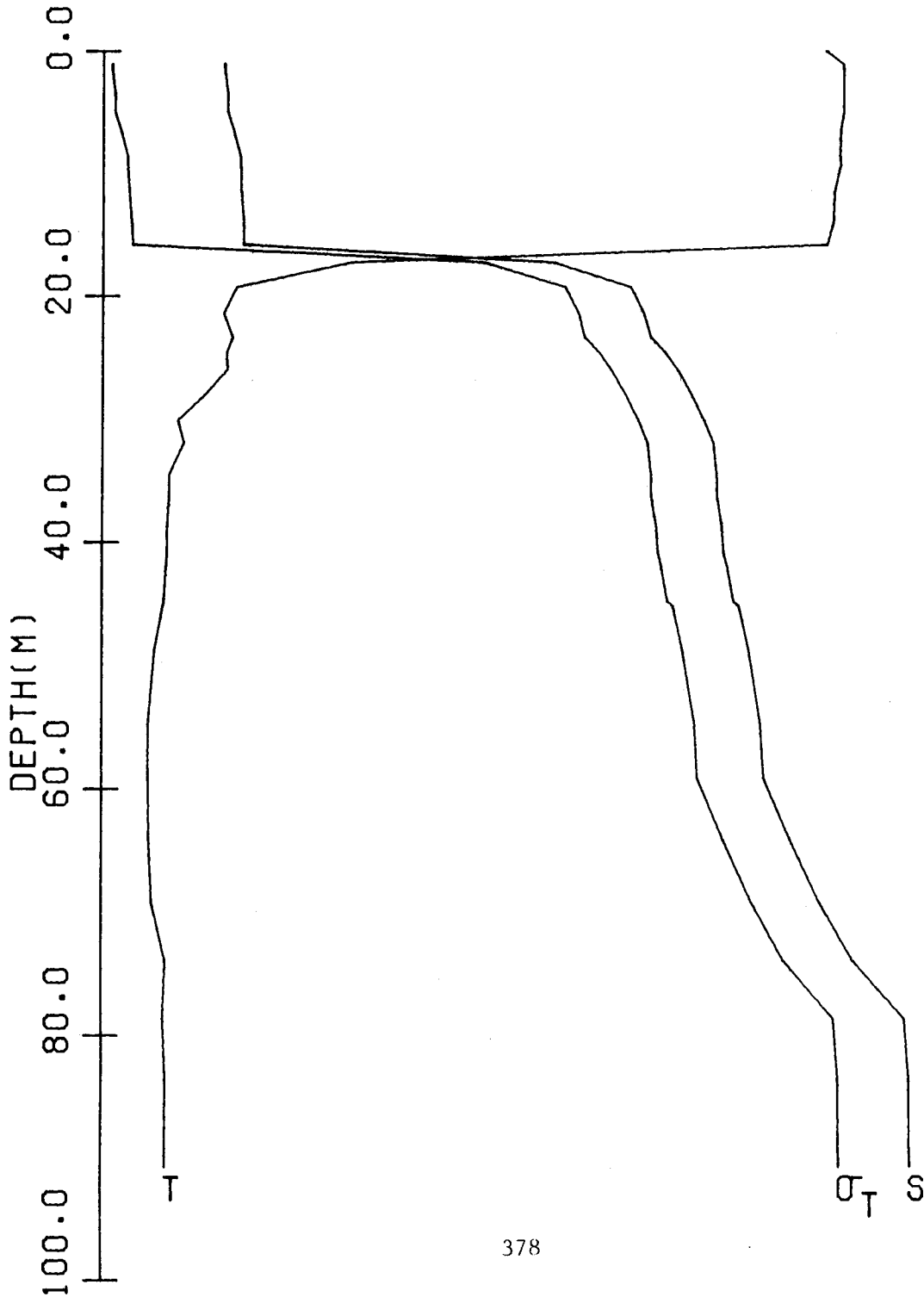
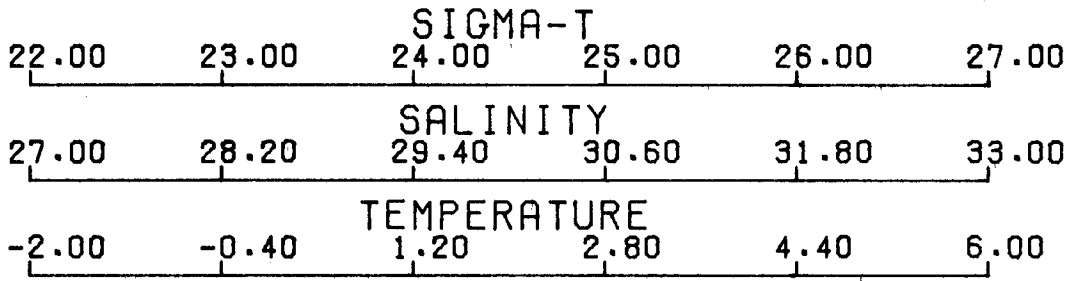
PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 209 DEG  
 TEMP DAY 3.5 C TEMP WET 3.0 C  
 PRESSURE 1024.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
005	0.0	5.100		
007	1.0	5.610	27.947	22.0661
008	3.0	5.610	27.947	22.0661
008	6.0	5.620	27.949	22.0661
008	8.0	5.600	27.953	22.0667
008	9.7	5.600	27.975	22.0684
008	12.1	5.600	27.987	22.0993
008	14.4	5.550	27.992	22.1103
008	16.0	2.580	29.568	23.614
008	17.6	2.400	30.939	24.872
008	19.7	1.830	31.020	24.951
008	22.1	-1.100	31.135	25.099
008	24.3	-1.920	31.341	25.212
008	26.2	-1.060	31.399	25.263
008	28.8	-1.220	31.477	25.330
008	31.0	-1.440	31.591	25.427
008	32.8	-1.560	31.596	25.432
009	35.2	-1.530	31.534	25.401
009	37.3	-1.540	31.722	25.535
009	39.3	-1.560	31.757	25.572
009	41.6	-1.560	31.771	25.575
009	43.7	-1.550	31.804	25.582
009	46.8	-1.540	31.805	25.603
009	47.8	-1.570	31.836	25.628
009	50.3	-1.590	31.901	25.681
009	51.7	-1.600	31.911	25.690
009	52.0	-1.580	31.924	25.700
010	54.2	-1.570	31.966	25.734
010	55.5	-1.550	32.018	25.775
010	57.0	-1.550	32.105	25.846
010	60.0	-1.480	32.234	25.940
010	62.5	-1.430	32.341	26.034
010	63.8	-1.410	32.525	26.182
011	66.1	-1.410	32.601	26.244
011	68.8	-1.410	32.699	26.323
011	70.4	-1.410	32.699	26.323
011	72.2	-1.400	32.702	26.326
011	74.2	-1.420	32.711	26.333
011	76.8	-1.350	32.723	26.341
012	78.7	-1.410	32.737	26.354
012	80.4	-1.390	32.740	26.356
012	82.0	-1.390	32.757	26.370
012	85.0	-1.400	32.766	26.377
012	86.0	-1.400	32.780	26.383
012	88.2	-1.390	32.798	26.403
013	90.8	-1.390	32.798	26.403

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STATION NO. 6455 1 250 MONTH 8 DAY 30

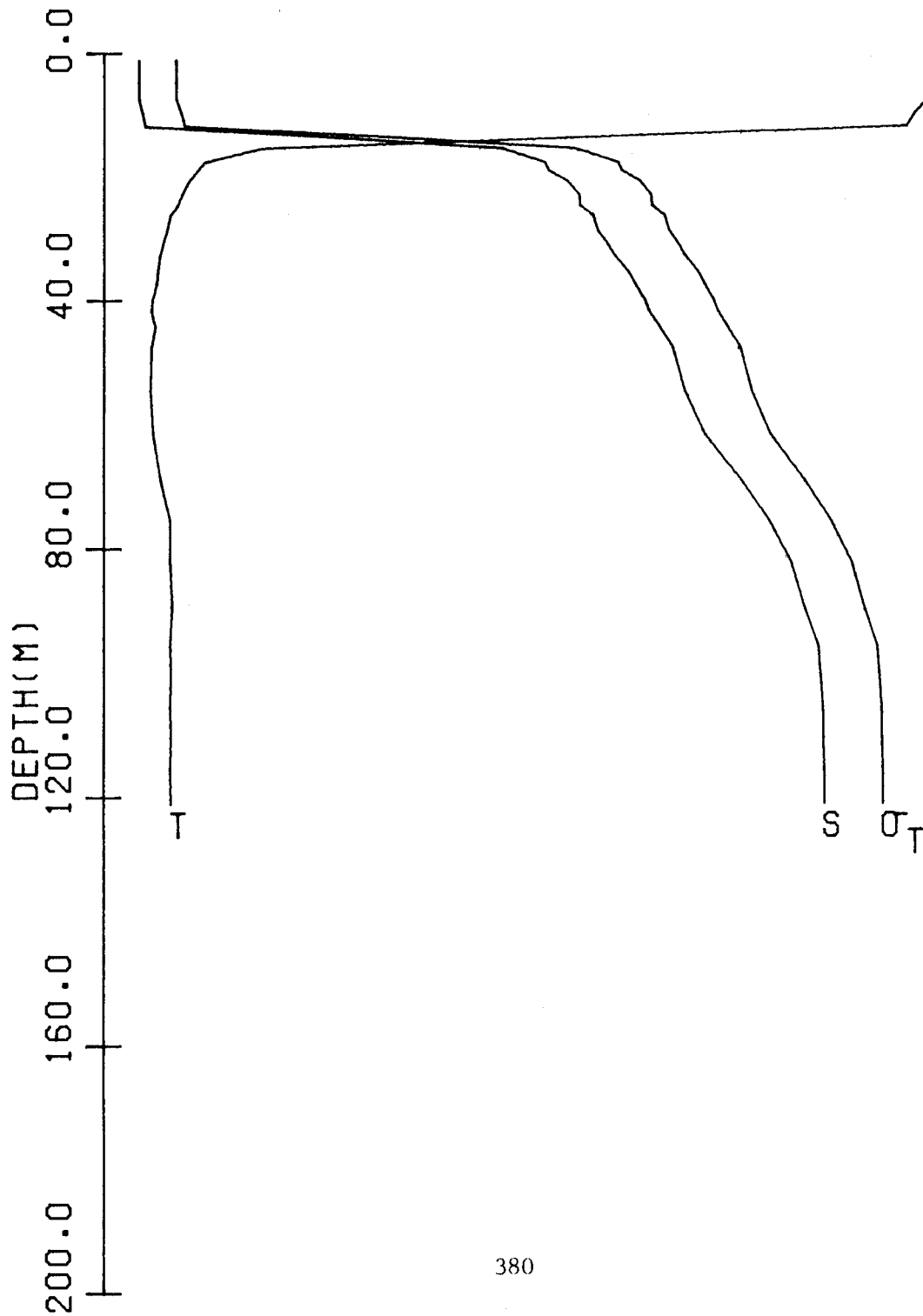
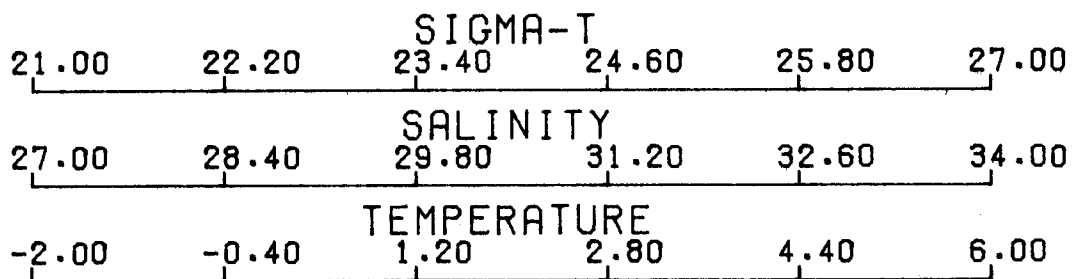


APLA SQUARE NUM 56080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6455 VISIT NUM 1 CONSECUTIVE NUM 250  
 LATITUDE 56 DEGREES 19.00 MINUTES  
 LONGITUDE 82 DEGREES 3.00 MINUTES  
 SOUNDING 109.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 240 DEG  
 TEMP DRY 5.0 C TEMP WET 3.0 C  
 PRESSURE 1024.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1 7	0.0	5.000		
1 7	1.1	5.170	27.883	22.0556
1 9	1.7	5.170	27.883	22.0556
1 9	3.5	5.170	27.906	22.074
1 9	5.0	5.170	27.906	22.074
1 9	6.6	5.140	27.942	22.105
1 10	8.6	5.130	27.998	22.150
1 10	9.3	5.140	27.999	22.150
1 10	11.5	5.080	28.003	22.159
1 10	14.0	5.070	28.021	22.174
1 10	15.3	5.010	28.021	22.180
1 10	17.3	4.400	30.278	24.308
1 10	19.3	4.710	30.340	24.502
1 10	21.4	4.830	30.932	24.680
1 10	23.4	4.740	30.982	24.917
1 10	24.6	4.800	31.087	25.004
1 10	25.0	4.790	31.177	25.076
1 10	28.0	4.000	31.277	25.163
1 10	30.1	-1.270	31.368	25.243
1 10	31.9	-1.210	31.436	25.297
1 10	34.7	-1.350	31.461	25.320
1 11	36.3	-1.350	31.463	25.322
1 11	38.7	-1.370	31.498	25.350
1 11	40.9	-1.370	31.512	25.362
1 11	41.9	-1.380	31.535	25.381
1 11	44.9	-1.400	31.585	25.422
1 11	45.2	-1.410	31.624	25.453
1 11	48.7	-1.490	31.693	25.511
1 11	54.7	-1.550	31.762	25.584
1 11	59.2	-1.550	31.908	25.605
1 12	64.2	-1.540	32.002	25.762
1 12	69.3	-1.510	32.217	25.936
1 12	74.0	-1.380	32.458	26.128
1 12	79.7	-1.400	32.830	26.429
1 12	83.6	-1.390	32.964	26.456
1 12	89.2	-1.380	32.869	26.460
1 13	90.8	-1.380	32.975	26.465

STATION NO. 6454 1 251 MONTH 8 DAY 30



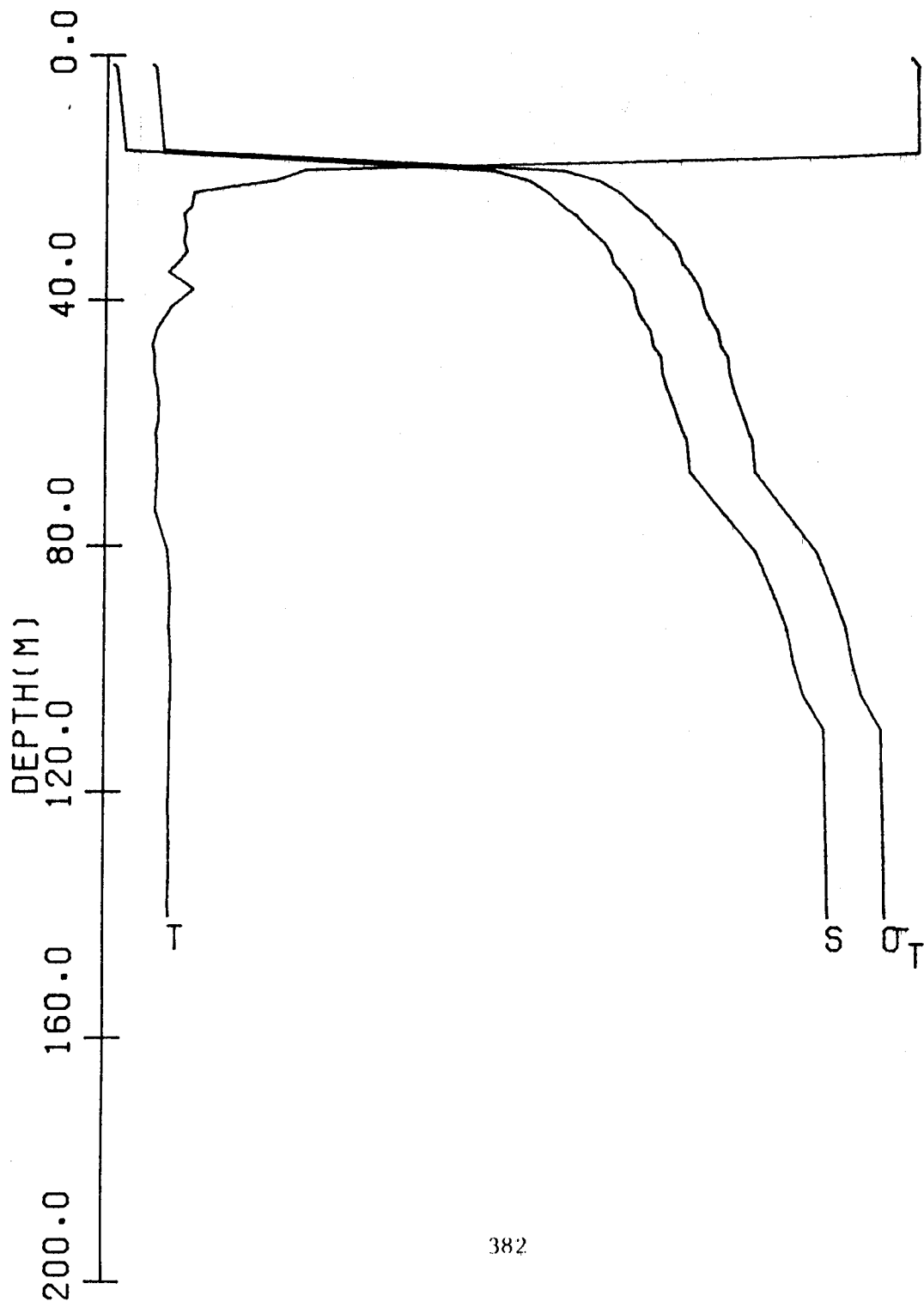
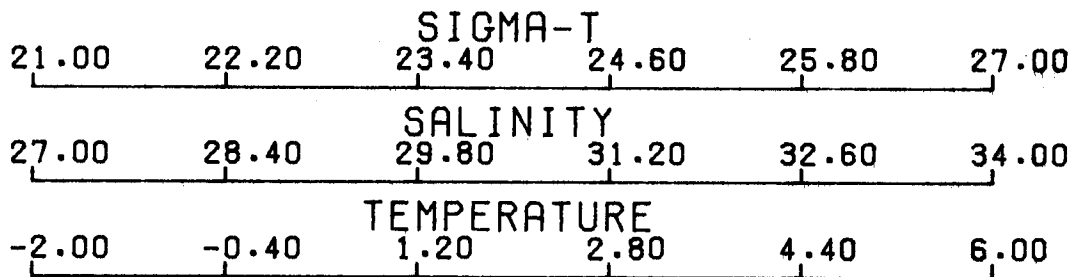
AREA SQUARE NUM 56080  
 DATE 9 MONTH 30 DAY  
 STATION NUM 6454 VISIT NUM 1 CONSECUTIVE NUM 251  
 LATITUDE 56 DEGREES 19.00 MINUTES  
 LONGITUDE 81 DEGREES 39.33 MINUTES  
 SOUNDING 131.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 177 DEG  
 TEMP DRY 5.0 C TEMP WET 4.7 C  
 PRESSURE 1024.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA-T
237	0.0	5.900		
238	1.3	5.890	27.291	21.515
238	2.6	5.890	27.291	21.515
238	4.0	5.890	27.291	21.515
239	6.3	5.890	27.291	21.515
239	7.7	5.890	27.291	21.515
239	9.0	5.760	27.321	21.552
239	11.5	5.690	27.342	21.576
239	13.8	2.390	29.313	23.185
239	15.8	2.390	30.333	24.386
239	17.8	-1.050	30.697	24.696
239	19.2	-1.110	30.729	24.723
239	20.8	-1.190	30.982	24.848
239	23.0	-1.260	30.983	24.932
239	24.8	-1.300	30.988	24.936
239	26.3	-1.370	31.095	25.025
239	28.0	-1.400	31.138	25.060
239	30.4	-1.430	31.199	25.110
239	33.0	-1.470	31.283	25.179
240	35.4	-1.490	31.390	25.266
240	37.7	-1.500	31.445	25.310
240	40.0	-1.540	31.530	25.380
240	41.8	-1.550	31.568	25.411
240	44.4	-1.510	31.637	25.482
240	47.7	-1.550	31.768	25.573
240	54.6	-1.560	31.957	25.653
240	61.4	-1.530	32.137	25.790
241	69.0	-1.460	32.341	26.035
241	75.7	-1.370	32.578	26.224
241	82.4	-1.370	32.766	26.377
241	89.7	-1.350	32.871	26.461
241	95.8	-1.370	32.992	26.559
241	100.3	-1.360	33.009	26.573
242	105.7	-1.370	33.030	26.590
242	110.1	-1.360	33.033	26.592
242	115.3	-1.370	33.040	26.598
242	121.1	-1.360	33.045	26.602

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STATION NO. 6453 1 252 MONTH 8 DAY 30

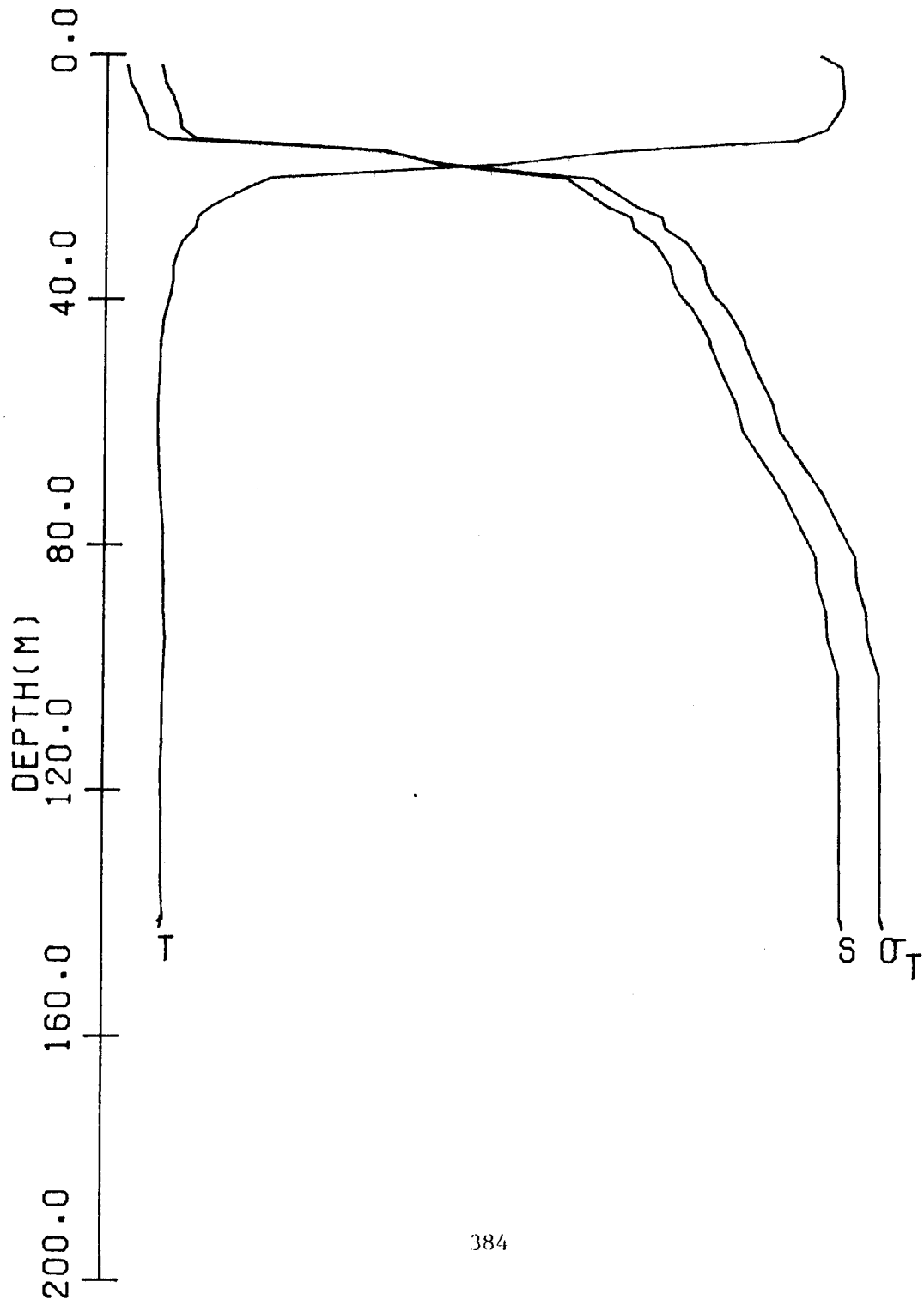
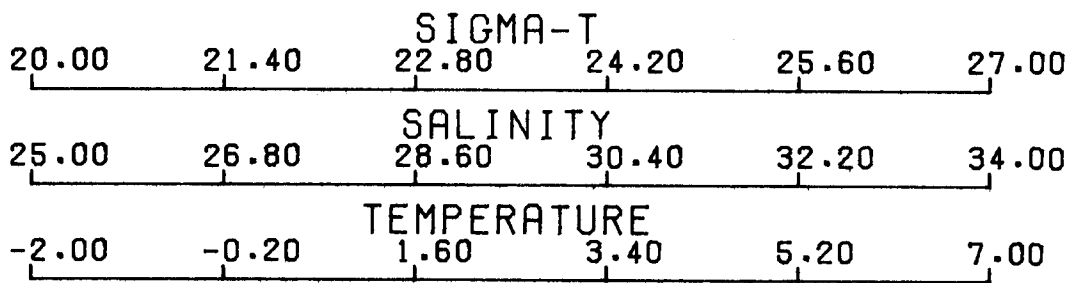


AREA SQUARE NUM 55080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6453 VISIT NUM 1 CONSECUTIVE NUM 252  
 LATITUDE 56 DEGREES 20.00 MINUTES  
 LONGITUDE 81 DEGREES 15.00 MINUTES  
 SOUNDING 150.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 150 DEG  
 TEMP DAY 4.8 C TEMP WET 4.4 C  
 PRESSURE 1024.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIG. A1
342	0.0	5.800		
353	1.0	5.870	27.050	21.327
353	2.0	5.960	27.030	21.352
353	15.0	5.970	27.160	21.414
353	16.0	5.010	27.317	22.019
353	18.0	-0.080	30.263	24.316
353	20.0	-1.360	30.584	24.584
353	22.0	-1.160	30.748	24.739
353	24.0	-1.180	30.884	24.850
353	25.0	-1.250	30.971	24.922
353	28.0	-1.230	31.079	25.009
353	30.0	-1.250	31.216	25.120
354	32.0	-1.220	31.271	25.163
354	33.0	-1.300	31.295	25.185
354	35.0	-1.400	31.370	25.248
354	37.0	-1.250	31.431	25.294
354	38.0	-1.160	31.468	25.321
354	41.0	-1.370	31.496	25.349
354	42.0	-1.410	31.523	25.372
354	44.0	-1.510	31.512	25.446
354	47.0	-1.550	31.539	25.468
354	49.0	-1.530	31.705	25.521
354	51.0	-1.530	31.718	25.532
354	54.0	-1.500	31.758	25.564
355	56.0	-1.490	31.805	25.590
355	59.0	-1.490	31.362	25.648
355	61.0	-1.520	31.908	25.686
355	62.0	-1.510	31.928	25.702
355	67.0	-1.500	31.957	25.725
355	74.0	-1.520	32.240	25.954
355	80.0	-1.400	32.519	26.177
356	86.0	-1.370	32.560	26.201
356	92.0	-1.380	32.784	26.291
356	98.0	-1.360	32.848	26.343
356	104.0	-1.360	32.932	26.311
356	109.0	-1.370	33.107	26.553
356	115.0	-1.370	33.114	26.550
357	122.0	-1.360	33.121	26.564
357	128.0	-1.370	33.129	26.570
357	133.0	-1.370	33.136	26.576
357	138.0	-1.380	33.140	26.680
357	140.0	-1.370	33.149	26.687

STATION NO. 6452 1 253 MONTH 8 DAY 30



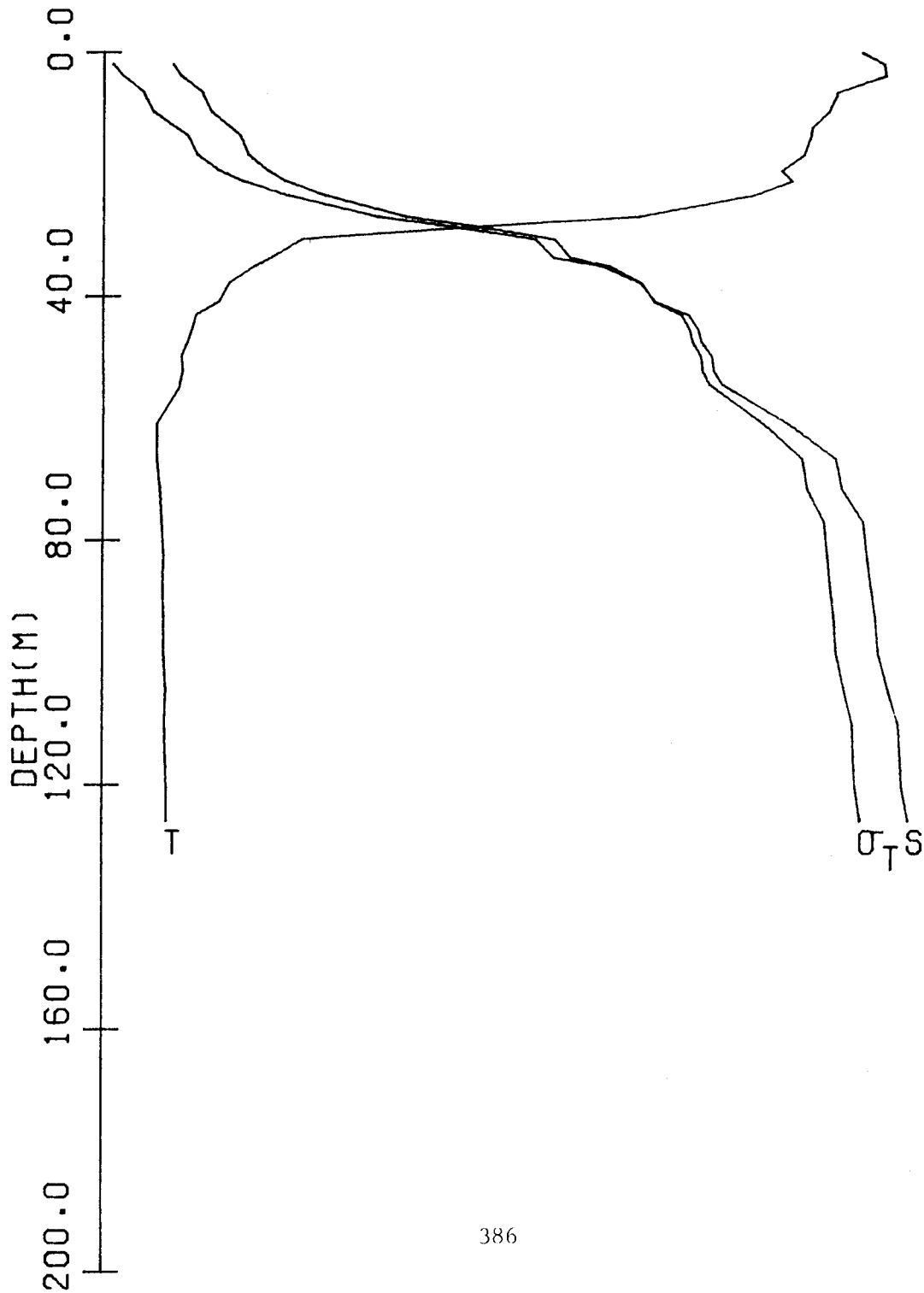
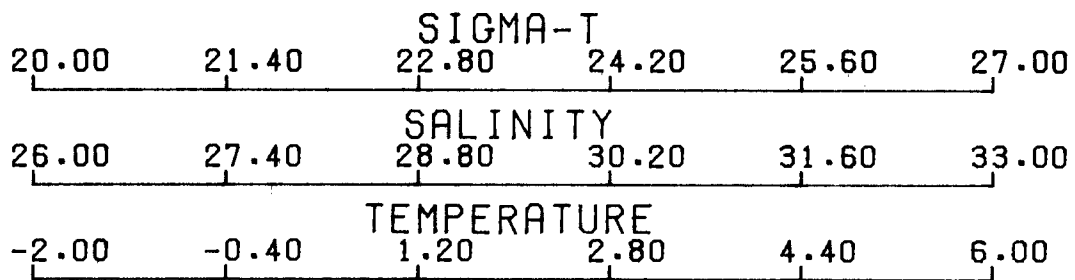
AREA SQUARE NUM 56090  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6452 VISIT NUM 1 CONSECUTIVE NUM 253  
 LATITUDE 56 DEGREES 19.90 MINUTES  
 LONGITUDE 90 DEGREES 55.10 MINUTES  
 SOUNDING 153.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-446  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 3.5 KNTS WIND DIR 220 DEG  
 TEMP DAY 5.5 C TEMP WET 5.0 C  
 PRESSURE 1024.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC 1

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PRF.)	SIGMAT
5 4	0.0	5.800	25.534	220.167
5 7	1.0	5.800	25.510	220.170
5 7	2.0	5.800	25.537	220.190
5 7	4.0	5.800	25.571	220.250
5 7	6.0	5.800	25.710	220.280
5 7	8.0	5.800	25.747	220.280
5 7	10.0	5.800	25.731	220.280
5 7	12.0	5.800	25.906	220.350
5 7	13.0	5.800	25.930	220.350
5 7	15.0	5.800	25.922	220.311
5 7	17.0	5.800	25.900	220.300
5 7	20.0	5.800	25.925	220.300
5 7	21.0	5.800	30.156	220.440
5 7	22.0	5.800	30.451	220.440
5 7	23.0	5.800	30.727	220.440
5 8	24.0	5.800	30.757	220.440
5 8	25.0	5.800	30.933	220.440
5 8	26.0	5.800	31.087	220.440
5 8	27.0	5.800	31.161	220.440
5 8	28.0	5.800	31.199	220.440
5 8	29.0	5.800	31.263	220.440
5 8	30.0	5.800	31.381	220.440
5 8	31.0	5.800	31.438	220.440
5 8	32.0	5.800	31.555	220.440
5 8	33.0	5.800	31.599	220.440
5 8	34.0	5.800	31.723	220.440
5 8	35.0	5.800	31.723	220.440
5 8	36.0	5.800	31.723	220.440
5 8	37.0	5.800	31.723	220.440
5 8	38.0	5.800	31.723	220.440
5 8	39.0	5.800	31.723	220.440
5 8	40.0	5.800	31.723	220.440
5 8	41.0	5.800	31.723	220.440
5 8	42.0	5.800	31.723	220.440
5 8	43.0	5.800	31.723	220.440
5 8	44.0	5.800	31.723	220.440
5 8	45.0	5.800	31.723	220.440
5 8	46.0	5.800	31.723	220.440
5 8	47.0	5.800	31.723	220.440
5 8	48.0	5.800	31.723	220.440
5 8	49.0	5.800	31.723	220.440
5 8	50.0	5.800	31.723	220.440
5 8	51.0	5.800	31.723	220.440
5 8	52.0	5.800	31.723	220.440
5 8	53.0	5.800	31.723	220.440
5 8	54.0	5.800	31.723	220.440
5 8	55.0	5.800	31.723	220.440
5 8	56.0	5.800	31.723	220.440
5 8	57.0	5.800	31.723	220.440
5 8	58.0	5.800	31.723	220.440
5 8	59.0	5.800	31.723	220.440
5 8	60.0	5.800	31.723	220.440
5 9	61.0	5.800	31.723	220.440
5 9	62.0	5.800	31.723	220.440
5 9	63.0	5.800	31.723	220.440
5 9	64.0	5.800	31.723	220.440
5 9	65.0	5.800	31.723	220.440
5 9	66.0	5.800	31.723	220.440
5 9	67.0	5.800	31.723	220.440
5 9	68.0	5.800	31.723	220.440
5 9	69.0	5.800	31.723	220.440
5 9	70.0	5.800	31.723	220.440
5 9	71.0	5.800	31.723	220.440
5 9	72.0	5.800	31.723	220.440
5 9	73.0	5.800	31.723	220.440
5 9	74.0	5.800	31.723	220.440
5 9	75.0	5.800	31.723	220.440
5 9	76.0	5.800	31.723	220.440
5 9	77.0	5.800	31.723	220.440
5 9	78.0	5.800	31.723	220.440
5 9	79.0	5.800	31.723	220.440
5 9	80.0	5.800	31.723	220.440
5 9	81.0	5.800	31.723	220.440
5 9	82.0	5.800	31.723	220.440
5 9	83.0	5.800	31.723	220.440
5 9	84.0	5.800	31.723	220.440
5 9	85.0	5.800	31.723	220.440
5 9	86.0	5.800	31.723	220.440
5 9	87.0	5.800	31.723	220.440
5 9	88.0	5.800	31.723	220.440
5 9	89.0	5.800	31.723	220.440
5 9	90.0	5.800	31.723	220.440



STATION NO. 6469 1 254 MONTH 8 DAY 30

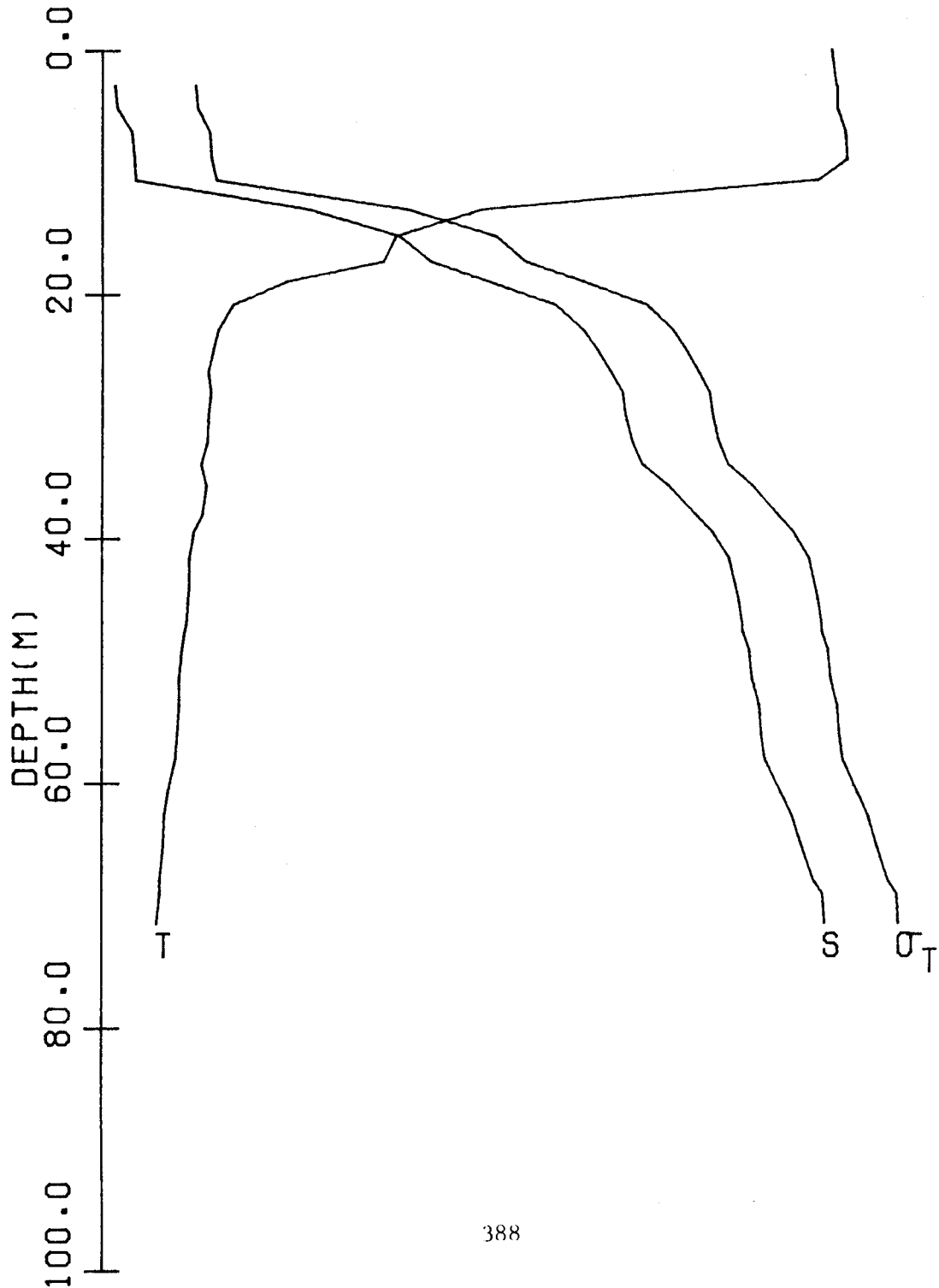
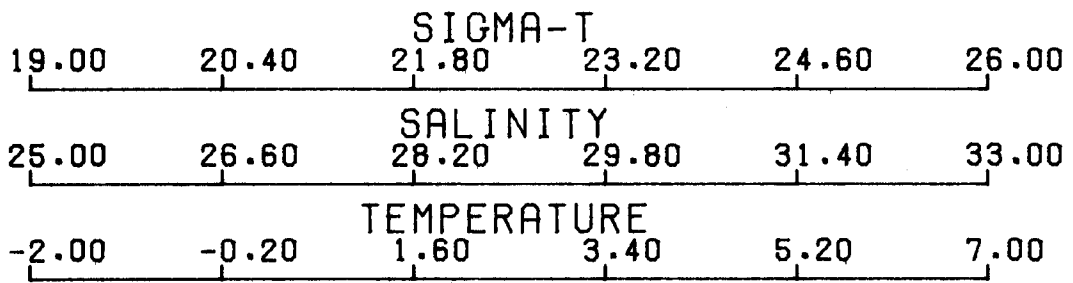


AREA SQUARE NUM 56080  
 DATE 9 MONTH 30 DAY  
 STATION NUM 6469 VISIT NUM 1 CONSECUTIVE NUM 254  
 LATITUDE 56 DEGREES 19.70 MINUTES  
 LONGITUDE 80 DEGREES 29.90 MINUTES  
 SOUNDING 137.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GULLDLINE MARK III 40-448  
 NUMBR OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 220 DEG  
 TEMP DRY 5.0 C TEMP WET 4.3 C  
 PRESSURE 1023.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
625	0.0	5.400		
626	2.0	5.520	26.077	20.586
626	3.0	5.630	26.156	20.649
626	4.0	5.740	26.235	20.712
626	5.0	5.850	26.314	20.775
627	6.0	5.960	26.393	20.838
627	7.0	6.070	26.472	20.901
627	8.0	6.180	26.551	20.964
627	9.0	6.290	26.630	21.027
627	10.0	6.400	26.709	21.090
627	11.0	6.510	26.788	21.153
627	12.0	6.620	26.867	21.216
627	13.0	6.730	26.946	21.279
627	14.0	6.840	27.025	21.342
627	15.0	6.950	27.104	21.405
627	16.0	7.060	27.183	21.468
627	17.0	7.170	27.262	21.531
627	18.0	7.280	27.341	21.594
627	19.0	7.390	27.420	21.657
627	20.0	7.500	27.499	21.720
627	21.0	7.610	27.578	21.783
627	22.0	7.720	27.657	21.846
627	23.0	7.830	27.736	21.909
627	24.0	7.940	27.815	21.972
627	25.0	8.050	27.894	22.035
627	26.0	8.160	27.973	22.098
627	27.0	8.270	28.052	22.161
627	28.0	8.380	28.131	22.224
627	29.0	8.490	28.210	22.287
627	30.0	8.600	28.289	22.350
627	31.0	8.710	28.368	22.413
627	32.0	8.820	28.447	22.476
627	33.0	8.930	28.526	22.539
627	34.0	9.040	28.605	22.602
627	35.0	9.150	28.684	22.665
627	36.0	9.260	28.763	22.728
627	37.0	9.370	28.842	22.791
627	38.0	9.480	28.921	22.854
627	39.0	9.590	29.000	22.917
627	40.0	9.700	29.079	22.980
627	41.0	9.810	29.158	23.043
627	42.0	9.920	29.237	23.106
627	43.0	10.030	29.316	23.169
627	44.0	10.140	29.395	23.232
627	45.0	10.250	29.474	23.295
627	46.0	10.360	29.553	23.358
627	47.0	10.470	29.632	23.421
627	48.0	10.580	29.711	23.484
627	49.0	10.690	29.790	23.547
627	50.0	10.800	29.869	23.610
627	51.0	10.910	29.948	23.673
627	52.0	11.020	30.027	23.736
627	53.0	11.130	30.106	23.799
627	54.0	11.240	30.185	23.862
627	55.0	11.350	30.264	23.925
627	56.0	11.460	30.343	23.988
627	57.0	11.570	30.422	24.051
627	58.0	11.680	30.501	24.114
627	59.0	11.790	30.580	24.177
627	60.0	11.900	30.659	24.240
627	61.0	12.010	30.738	24.303
627	62.0	12.120	30.817	24.366
627	63.0	12.230	30.896	24.429
627	64.0	12.340	30.975	24.492
627	65.0	12.450	31.054	24.555
627	66.0	12.560	31.133	24.618
627	67.0	12.670	31.212	24.681
627	68.0	12.780	31.291	24.744
627	69.0	12.890	31.370	24.807
627	70.0	12.900	31.449	24.870
627	71.0	12.910	31.528	24.933
627	72.0	12.920	31.607	24.996
627	73.0	12.930	31.686	25.059
627	74.0	12.940	31.765	25.122
627	75.0	12.950	31.844	25.185
627	76.0	12.960	31.923	25.248
627	77.0	12.970	32.002	25.311
627	78.0	12.980	32.081	25.374
627	79.0	12.990	32.160	25.437
627	80.0	13.000	32.239	25.500
627	81.0	13.010	32.318	25.563
627	82.0	13.020	32.397	25.626
627	83.0	13.030	32.476	25.689
627	84.0	13.040	32.555	25.752
627	85.0	13.050	32.634	25.815
627	86.0	13.060	32.713	25.878
627	87.0	13.070	32.792	25.941
627	88.0	13.080	32.871	26.004
627	89.0	13.090	32.950	26.067
627	90.0	13.100	33.029	26.130
627	91.0	13.110	33.108	26.193
627	92.0	13.120	33.187	26.256
627	93.0	13.130	33.266	26.319
627	94.0	13.140	33.345	26.382
627	95.0	13.150	33.424	26.445
627	96.0	13.160	33.503	26.508
627	97.0	13.170	33.582	26.571
627	98.0	13.180	33.661	26.634
627	99.0	13.190	33.740	26.697
627	100.0	13.200	33.819	26.760

STATION NO. 6468 1 255 MONTH 8 DAY 30

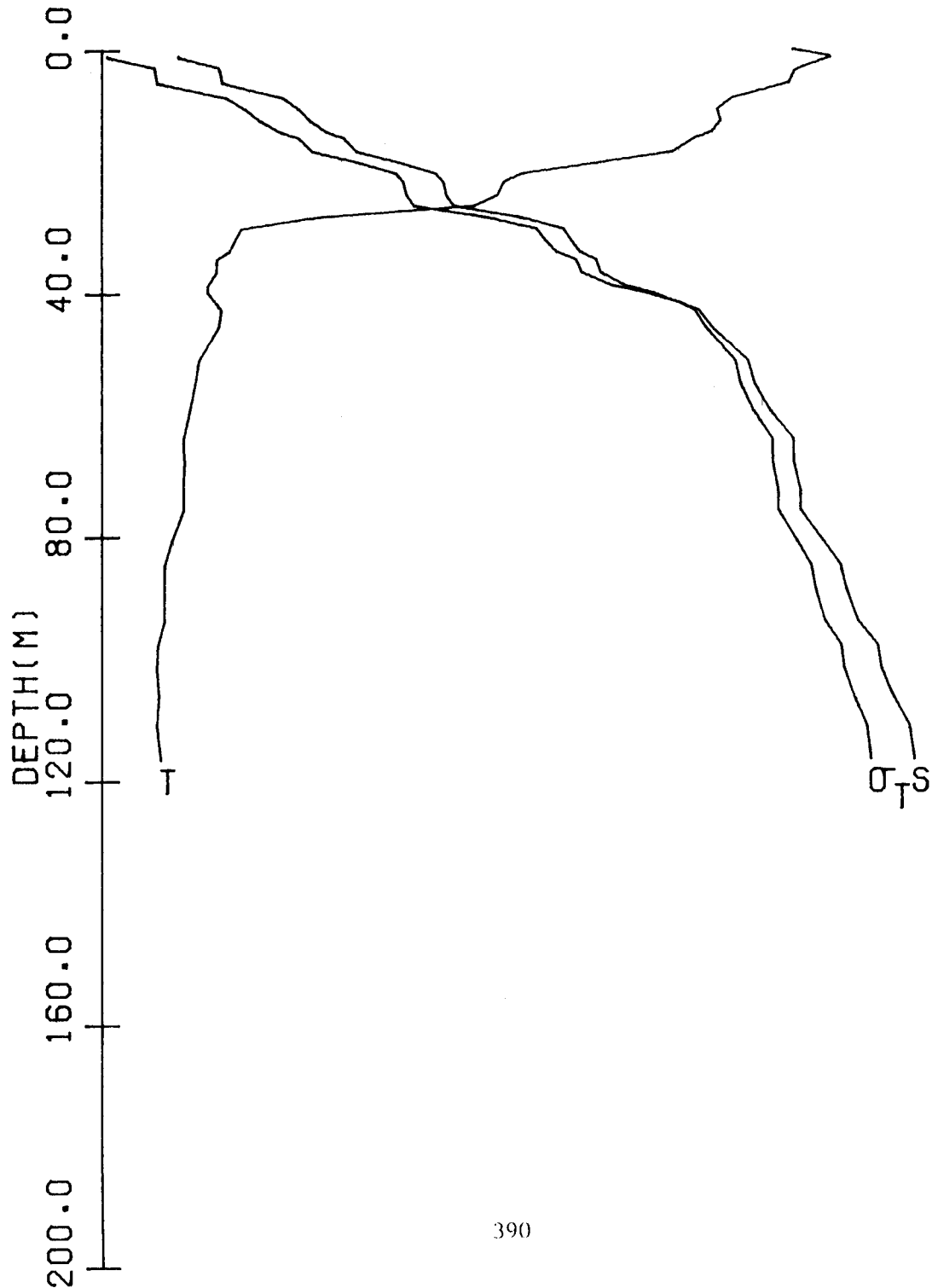
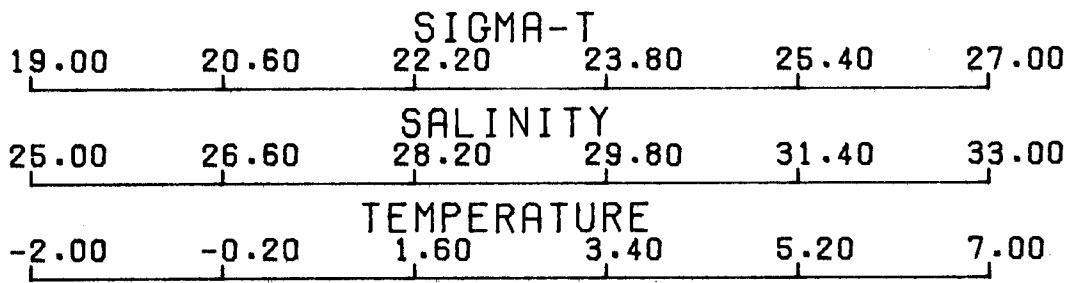


AREA SQUARE NUM 56080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6468 VISIT NUM 1 CONSECUTIVE NUM 255  
 LATITUDE 56 DEGREES 09.95 MINUTES  
 LONGITUDE 80 DEGREES 29.90 MINUTES  
 SOUNDING 80.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 200 DEG  
 TEMP DRY 4.7 C TEMP WET 4.5 C  
 PRESSURE 1024.0 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC 1

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
726	0.0	5.000		
728	2.0	6.050	25.121	19.792
728	3.0	6.060	25.122	19.792
728	4.0	6.060	25.144	19.809
728	6.0	5.150	25.295	19.914
728	9.0	6.170	25.311	19.929
728	10.0	5.850	25.323	19.972
729	13.1	2.160	27.014	21.607
729	15.3	1.210	27.836	22.362
729	17.4	1.070	28.209	22.619
729	19.0	.820	28.766	23.108
729	20.9	.570	29.414	23.648
729	22.9	.730	29.592	23.668
729	24.9	.780	29.817	23.679
729	26.4	.840	29.951	24.096
729	28.1	.810	30.074	24.187
729	29.9	.840	30.103	24.211
729	32.1	.850	30.169	24.264
729	34.0	.920	30.268	24.346
729	35.7	.860	30.522	24.549
729	38.2	.910	30.902	24.777
729	39.5	-1.000	30.952	24.900
730	41.7	-1.050	31.118	25.036
730	43.7	-1.050	31.175	25.082
730	45.1	-1.060	31.213	25.113
730	47.0	-1.080	31.248	25.141
730	47.7	-1.100	31.253	25.146
730	49.1	-1.130	31.314	25.196
730	51.5	-1.160	31.344	25.221
730	53.7	-1.160	31.414	25.278
731	56.0	-1.180	31.434	25.294
731	58.1	-1.200	31.459	25.323
731	60.8	-1.280	31.525	25.451
731	62.7	-1.320	31.738	25.543
731	65.0	-1.330	31.821	25.611
731	68.1	-1.370	31.950	25.716
732	69.1	-1.370	32.037	25.787
732	71.5	-1.400	32.054	25.801

STATION NO. 6467 1 256 MONTH 8 DAY 30

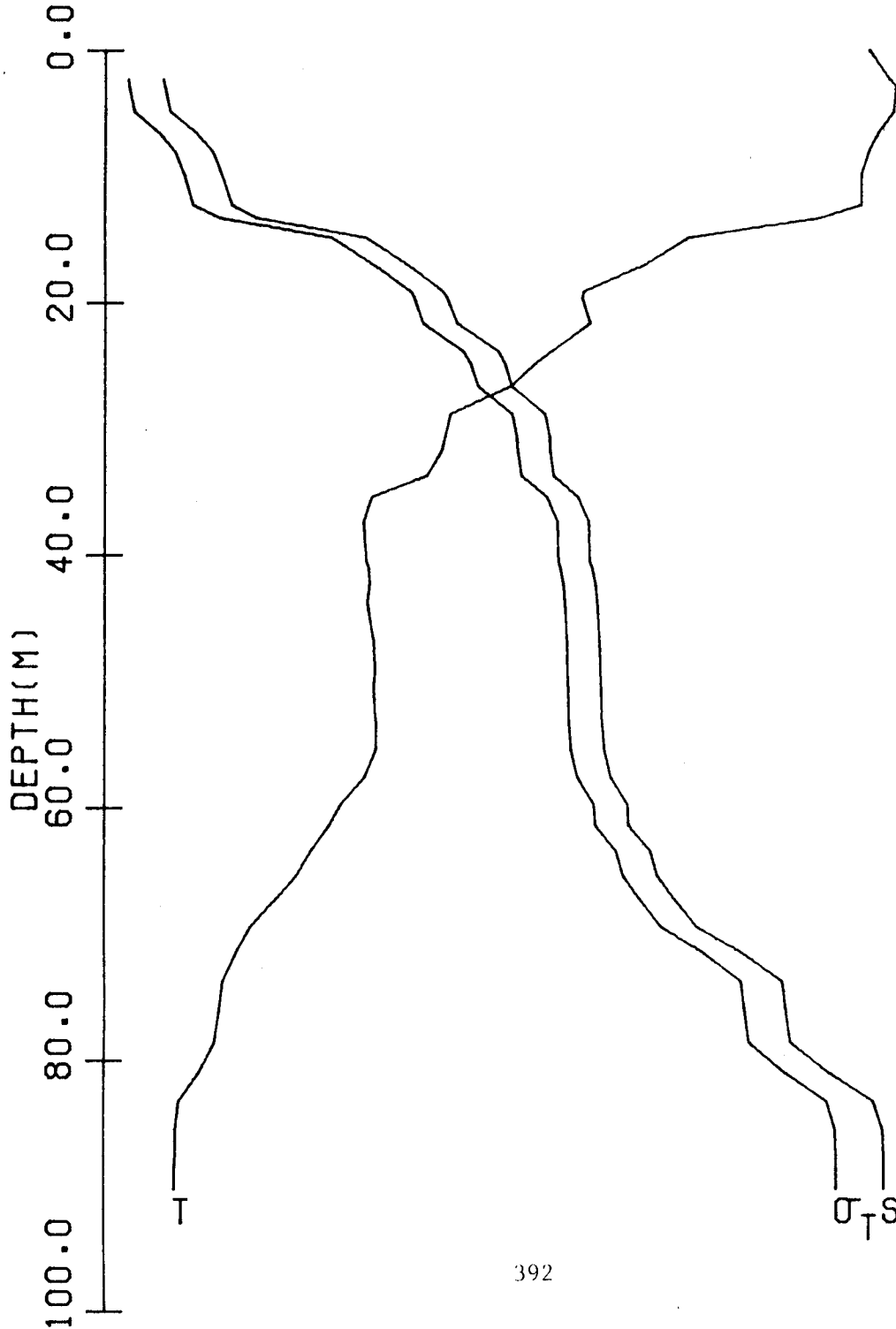
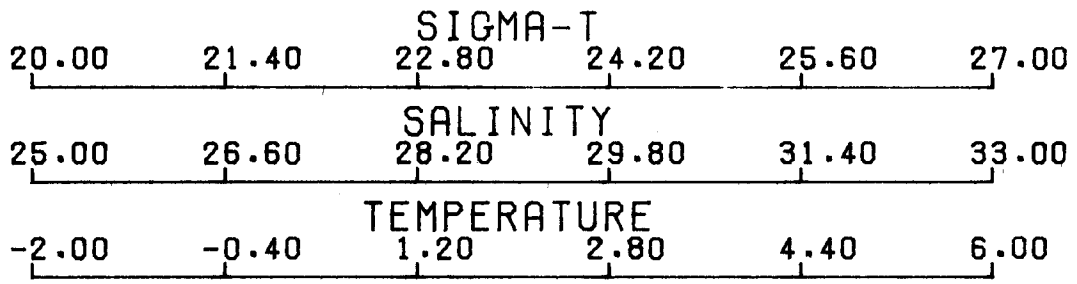


AREA SQUARE NUM 52080  
 DATE 9 MONTH 30 DAY  
 STATION NUM 6467 VISIT NUM 1 CONSECUTIVE NUM 256  
 LATITUDE 55 DEGREES 57.50 MINUTES  
 LONGITUDE 40 DEGREES 31.40 MINUTES  
 SOUNDING 117.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS 4V PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 177 DEG  
 TEMP DRY 4.5 C TEMP WET 4.5 C  
 PRESSURE 1023.8 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.5 M SWELL DIR 350 M  
 SACCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
849	0.0	5.600		
853	1.1	5.600	25.051	19.742
854	1.3	5.610	25.058	19.747
854	3.0	5.690	25.514	20.138
854	3.5	5.610	25.517	20.148
854	3.5	5.550	25.539	20.171
854	3.8	4.930	26.210	20.759
854	3.9	4.760	26.391	20.918
854	11.5	4.300	26.540	21.032
854	13.0	4.200	26.729	21.190
854	14.7	4.510	26.919	21.357
854	15.9	4.270	27.053	21.484
854	18.7	3.450	27.502	21.907
854	20.5	2.510	27.856	22.257
854	21.1	2.410	27.938	22.328
854	24.1	2.340	27.972	22.359
854	25.5	2.030	28.044	22.433
854	27.8	1.430	28.724	23.060
855	29.5	1.470	29.241	23.506
855	31.1	1.540	29.336	23.584
855	33.3	1.600	29.453	23.667
855	34.5	1.740	29.628	23.825
855	36.7	1.740	29.655	23.871
855	38.8	1.840	29.933	24.114
855	40.0	1.840	30.037	24.114
855	41.7	1.750	30.052	24.392
855	42.0	1.690	30.033	24.651
855	43.7	1.720	30.063	24.795
856	51.2	1.940	31.318	24.901
856	55.5	1.980	31.333	25.194
856	59.1	1.040	31.333	25.370
856	64.1	1.110	31.763	25.558
856	67.0	1.100	31.765	25.560
856	72.0	1.110	31.833	25.614
857	75.0	1.110	31.833	25.614
857	80.0	1.240	32.052	25.795
857	84.0	1.320	32.224	25.937
857	88.0	1.320	32.231	25.983
857	94.0	1.320	32.394	26.074
857	97.0	1.390	32.586	26.231
858	101.0	1.400	32.624	26.262
858	106.0	1.380	32.732	26.349
858	111.1	1.400	32.898	26.484
858	115.2	1.370	32.939	26.515
858	116.0	1.360	32.945	26.521

STATION NO. 6466 1 257 MONTH 8 DAY 30



AREA SQUARE NUM 520 80  
 DATE 9 MONTH 30 DAY  
 STATION NUM 6466 VISIT NUM 1 CONSECUTIVE NUM 257  
 LATITUDE 55 DEGREES 49.70 MINUTES  
 LONGITUDE 80 DEGREES 31.50 MINUTES  
 SOUNDING 5.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

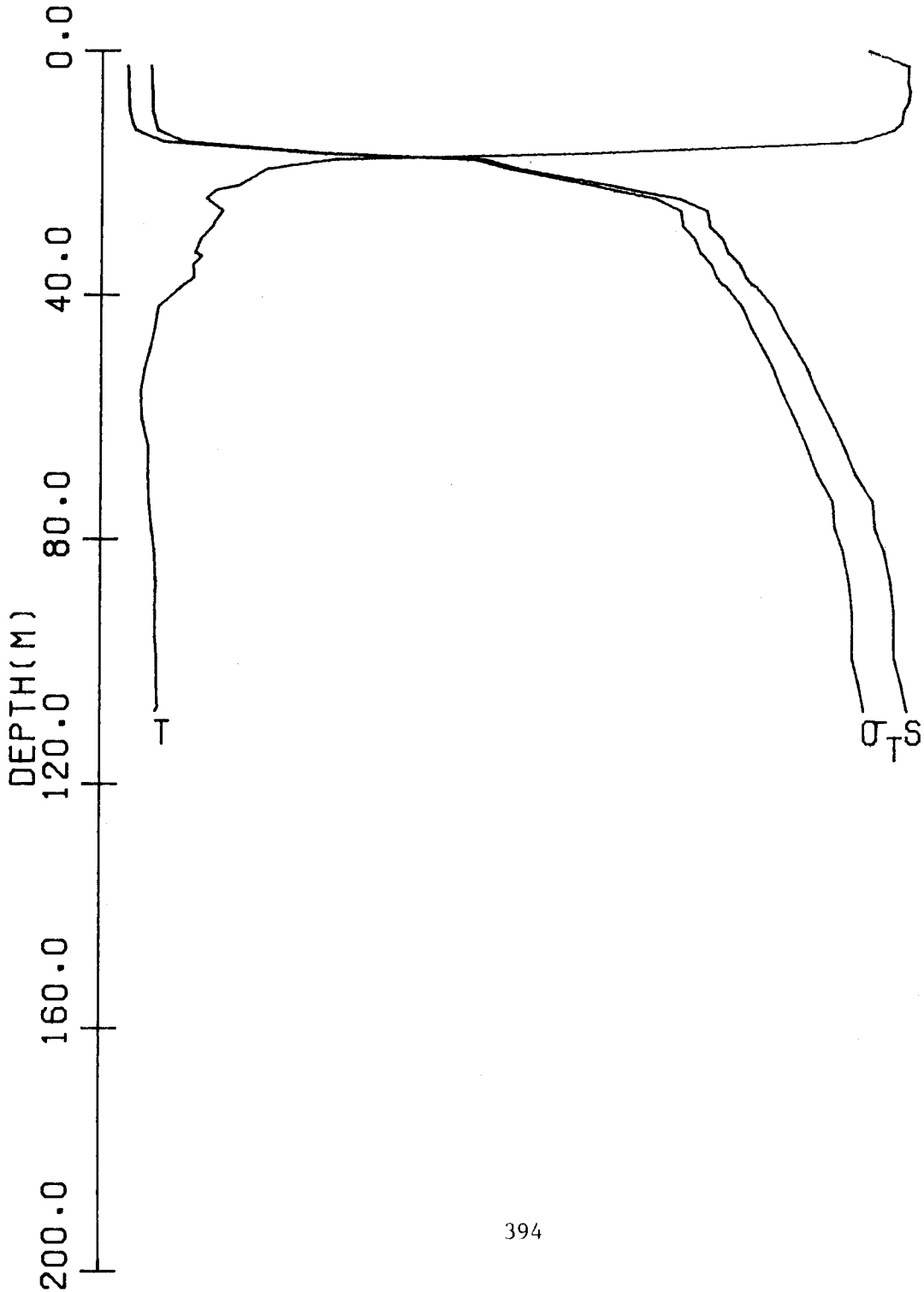
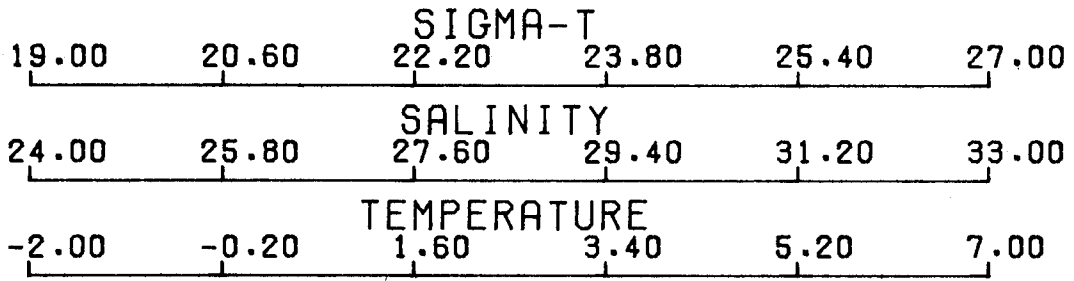
PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 170 DEG  
 TEMP DRY 5.1 C TEMP WET 4.7 C  
 PRESSURE 1023.8 H BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.5 M SWELL DIR 350 M  
 SECCHI DISC 11.0 F

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1015	0.0	5.200		
1017	2.0	5.390	25.544	20.191
1017	2.0	5.450	25.557	20.195
1017	4.0	5.430	25.608	20.238
1017	6.0	5.280	25.852	20.444
1017	8.1	5.190	26.006	20.574
1017	9.0	5.120	26.095	20.651
1017	12.0	5.120	26.190	20.726
1017	13.0	4.740	26.418	20.941
1017	14.0	4.490	27.457	21.868
1018	17.0	3.870	27.953	22.214
1018	19.0	2.500	28.184	22.371
1018	19.7	2.490	28.218	22.399
1018	21.0	2.570	28.316	22.518
1018	23.0	2.320	28.701	22.948
1018	24.0	2.050	28.768	23.012
1018	26.0	1.820	28.831	23.076
1018	28.0	1.250	29.143	23.358
1018	30.0	1.200	29.188	23.396
1018	31.0	1.170	29.192	23.401
1018	33.0	1.030	29.225	23.434
1018	35.0	0.510	29.457	23.644
1018	37.0	0.430	29.559	23.730
1018	40.0	0.460	29.571	23.738
1019	41.0	0.480	29.593	23.755
1019	42.0	0.490	29.624	23.779
1019	43.0	0.470	29.642	23.799
1019	45.0	0.530	29.655	23.811
1019	49.0	0.570	29.674	23.817
1019	50.0	0.530	29.680	23.823
1020	53.0	0.550	29.690	23.836
1020	55.0	0.550	29.711	23.847
1020	57.0	0.540	29.775	23.903
1020	59.0	0.220	29.832	24.030
1020	61.0	0.110	29.841	24.050
1020	63.0	0.000	30.148	24.223
1021	65.0	0.200	30.215	24.282
1021	67.0	0.390	30.375	24.417
1021	69.0	0.630	30.586	24.599
1021	71.0	0.760	31.004	24.833
1021	73.0	0.890	31.397	25.125
1021	75.0	0.920	31.427	25.182
1022	78.0	0.970	31.477	25.251
1022	81.0	-1.120	31.852	25.631
1022	83.0	-1.300	32.263	25.968
1022	85.0	-1.330	32.352	26.040
1022	87.0	-1.330	32.360	26.047
1022	89.0	-1.340	32.360	26.047
1023	90.0	-1.340	32.360	26.047

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STATION NO. 6442 1 258 MONTH 8 DAY 30

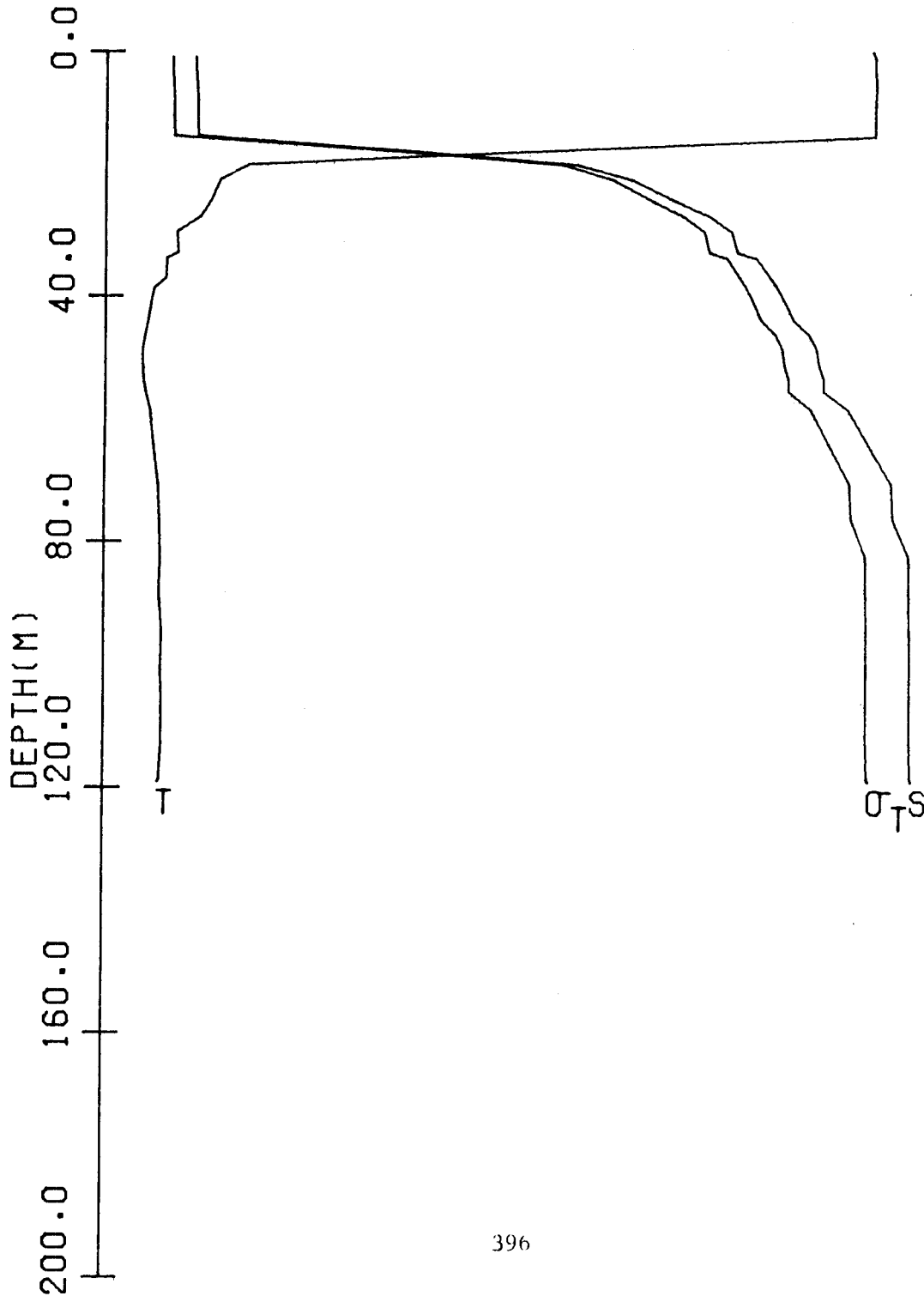
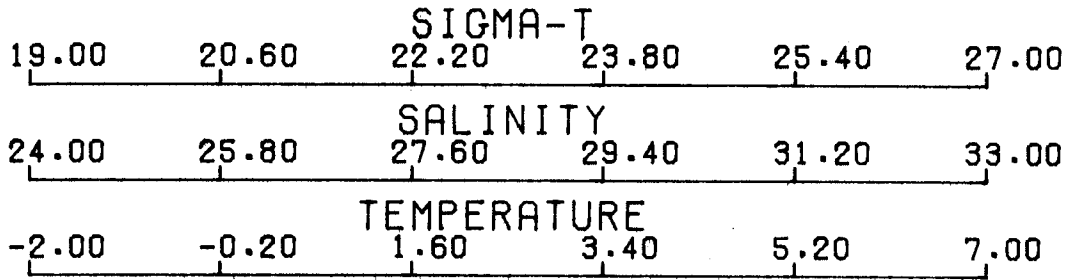


AREA SQUARE NUM 52080  
 DATE 9 MONTH 30 DAY  
 STATION NUM 6442 VISIT NUM 1 CONSECUTIVE NUM 258  
 LATITUDE 55 DEGREES 57.50 MINUTES  
 LONGITUDE 80 DEGREES 55.60 MINUTES  
 SOUNDING 116.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 190 DEG  
 TEMP DRY 5.4 C TEMP WET 5.2 C  
 PRESSURE 1022.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR 350 M  
 SMOCH DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
1157	0.0	5.400		
1158	2.0	5.384	24.531	19.224
1158	3.0	5.330	24.537	19.225
1158	5.0	5.830	24.537	19.225
1158	6.0	5.950	24.545	19.225
1158	8.0	6.030	24.545	19.225
1158	9.0	6.780	24.545	19.225
1158	11.0	6.760	24.542	19.225
1158	13.0	6.570	24.583	19.220
1158	15.0	6.260	24.589	19.220
1158	16.0	3.310	26.424	21.000
1158	17.0	3.570	28.175	22.000
1158	19.0	3.800	25.581	22.000
1158	22.0	3.800	22.586	23.785
1159	23.0	3.760	22.841	23.997
1159	24.0	3.800	30.327	24.302
1159	26.0	3.690	30.533	24.634
1159	28.0	3.770	30.555	24.654
1159	28.0	3.790	30.657	24.656
1159	30.0	3.920	30.302	24.777
1159	33.0	3.980	30.462	24.827
1159	33.0	3.910	30.906	24.861
1159	35.0	-1.000	30.997	24.937
1159	37.0	-1.090	31.059	24.986
1159	38.0	-1.090	31.118	25.037
1159	39.0	-1.130	31.173	25.082
1159	42.0	-1.380	31.436	25.239
1159	45.0	-1.420	31.473	25.331
1159	48.0	-1.470	31.512	25.449
1200	52.0	-1.530	31.733	25.555
1200	55.0	-1.570	31.332	25.625
1200	58.0	-1.960	31.936	25.756
1201	64.0	-1.490	32.140	25.974
1201	69.0	-1.490	32.270	25.974
1201	73.0	-1.480	32.463	26.013
1201	78.0	-1.450	32.457	26.153
1201	81.0	-1.420	32.584	26.230
1201	87.0	-1.400	32.582	26.303
1202	92.0	-1.410	32.700	26.324
1202	96.0	-1.470	32.700	26.324
1202	99.0	-1.390	32.753	26.326
1202	103.0	-1.390	32.751	26.326
1202	107.0	-1.380	32.384	26.432
1202	108.0	-1.400	32.342	26.433

STATION NO. 6443 1 259 MONTH 8 DAY 30

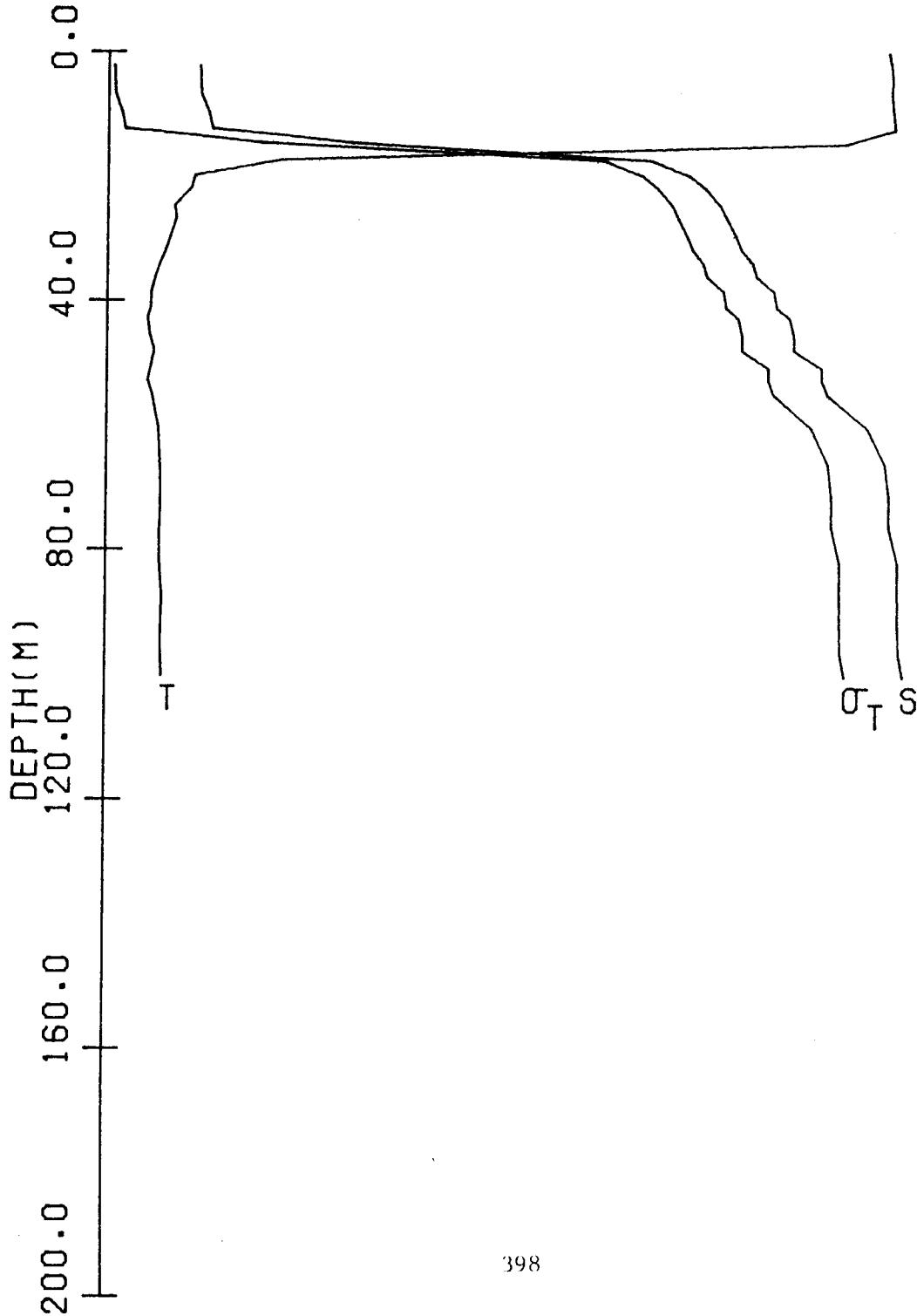
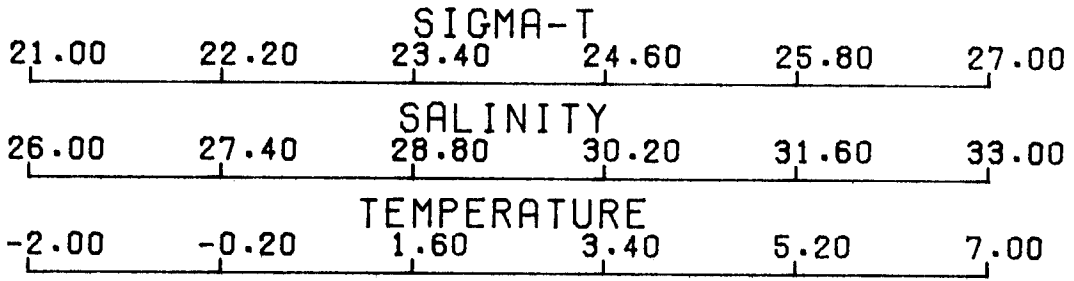


AREA SQUARE NUM 52050  
 DATE 5 MONTH 30 DAY  
 STATION NUM 6443 VISIT NUM 1 CONSECUTIVE NUM 259  
 LATITUDE 55 DEGREES 57.00 MINUTES  
 LONGITUDE 81 DEGREES 18.00 MINUTES  
 SOUNDING 128.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILLOINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 180 DEG  
 TEMP DRY 5.9 C TEMP WET 5.7 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
13 7	0.0	6.400		
13 9	1.0	6.430	24.388	19.648
13 9	3.1	6.430	24.988	19.648
13 9	5.7	6.440	25.102	19.658
13 9	8.9	6.430	25.009	19.664
1310	11.0	6.430	25.009	19.664
1310	13.9	6.430	25.117	19.671
1310	16.3	2.910	27.200	21.707
1310	18.6	-.430	29.166	23.444
1310	21.1	-.740	29.780	23.844
1310	24.0	-.840	30.249	24.329
1310	27.1	-.950	30.633	24.641
1310	29.5	-1.210	30.969	24.838
1310	33.0	-1.190	30.733	24.690
1310	33.0	-1.320	31.141	25.061
1310	37.1	-1.330	31.295	25.187
1310	38.7	-1.460	31.372	25.250
1310	41.5	-1.500	31.471	25.331
1310	43.9	-1.530	31.546	25.393
1310	46.1	-1.560	31.710	25.526
1311	48.3	-1.590	31.749	25.599
1311	51.2	-1.590	31.827	25.621
1311	53.7	-1.580	31.879	25.663
1311	55.5	-1.560	31.840	25.664
1311	58.4	-1.510	32.147	25.870
1311	64.1	-1.470	32.339	26.058
1311	70.9	-1.420	32.621	26.260
1311	76.3	-1.400	32.640	26.275
1312	82.5	-1.390	32.416	26.418
1312	88.4	-1.400	32.319	26.420
1312	94.6	-1.370	32.827	26.426
1312	100.0	-1.380	32.829	26.428
1312	106.3	-1.370	32.329	26.428
1312	112.7	-1.370	32.330	26.428
1313	118.7	-1.390	32.838	26.433
1313	119.0	-1.400	32.449	26.444

STATION NO. 6444 1 260 MONTH 8 DAY 30

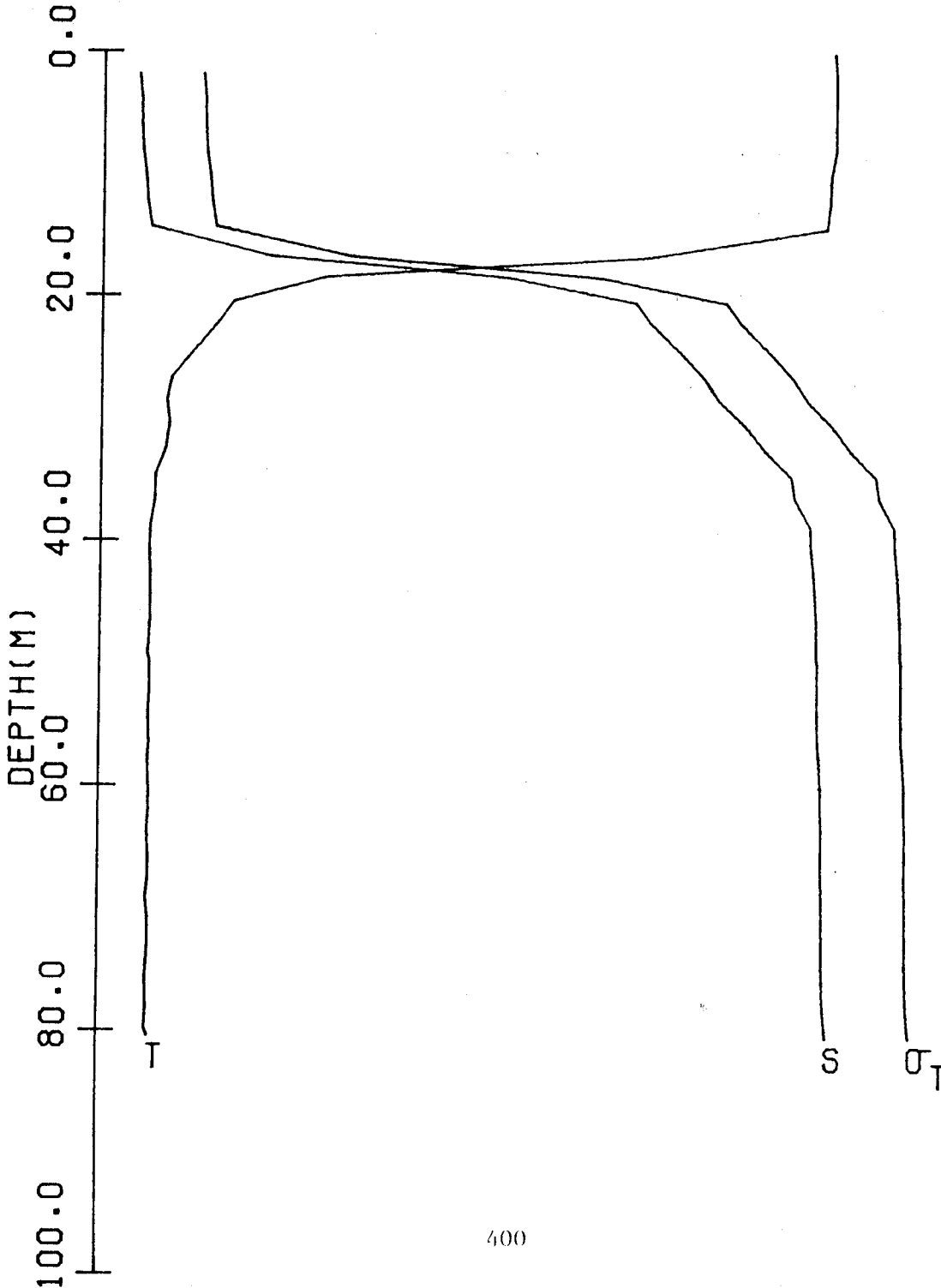
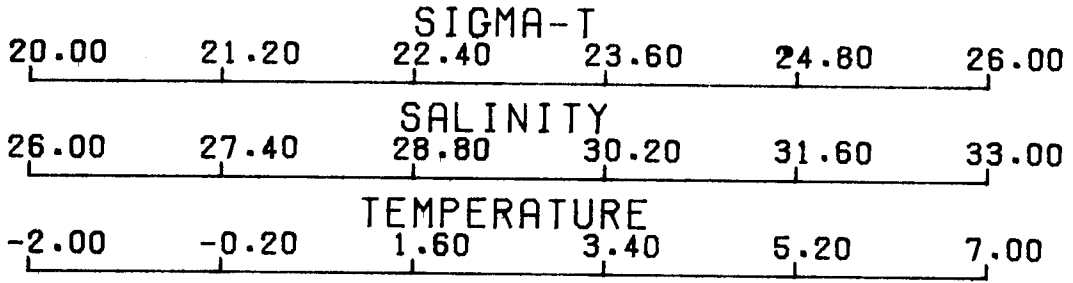


AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6444 VISIT NUM 1 CONSECUTIVE NUM 200  
 LATITUDE 55 DEGREES 57.02 MINUTES  
 LONGITUDE 81 DEGREES 37.00 MINUTES  
 SOUNDING 113.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV RETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 190 DEG  
 TEMP DRY 6.5 C TEMP WET 6.5 C  
 PRESSURE 1020.7 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
14328	0.0	6.400		
14331	2.2	6.430	26.757	21.044
14331	4.5	6.440	26.770	21.045
14331	6.7	6.430	26.775	21.050
14331	9.8	6.450	26.341	21.100
14332	12.3	6.470	26.371	21.121
14332	14.8	6.940	28.047	22.104
14332	17.4	-1.150	30.558	24.556
14332	19.9	-1.070	30.876	24.841
14332	21.9	-1.100	31.007	24.947
14332	24.7	-1.230	31.133	25.053
14332	26.7	-1.260	31.185	25.095
14332	29.9	-1.320	31.236	25.154
14332	31.1	-1.370	31.282	25.200
14332	33.9	-1.430	31.402	25.274
14332	36.1	-1.480	31.468	25.304
14332	38.4	-1.520	31.528	25.422
14332	41.0	-1.530	31.506	25.441
14332	42.7	-1.560	31.712	25.528
14332	45.4	-1.540	31.748	25.556
14333	47.9	-1.490	31.751	25.558
14333	50.7	-1.530	31.985	25.748
14333	52.7	-1.560	31.985	25.748
14333	55.0	-1.510	32.033	25.787
14333	60.3	-1.440	32.136	25.857
14333	66.1	-1.420	32.519	26.178
14333	71.3	-1.410	32.551	26.204
14334	76.3	-1.420	32.554	26.206
14334	82.1	-1.420	32.528	26.266
14334	87.4	-1.390	32.520	26.266
14334	92.3	-1.400	32.530	26.267
14334	96.7	-1.400	32.538	26.274
14334	100.3	-1.390	32.674	26.303

STATION NO. 6473 1 261 MONTH 8 DAY 30



AREA SQUARE NUM 52083  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6473 VISIT NUM 1 CONS-CUTIVE NUM 251  
 LATITUDE 55 DEGREES 47.30 MINUTES  
 LONGITUDE 82 DEGREES 3.00 MINUTES  
 SOUNDING 91.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-44  
 NUMBER OF PROFILES 1

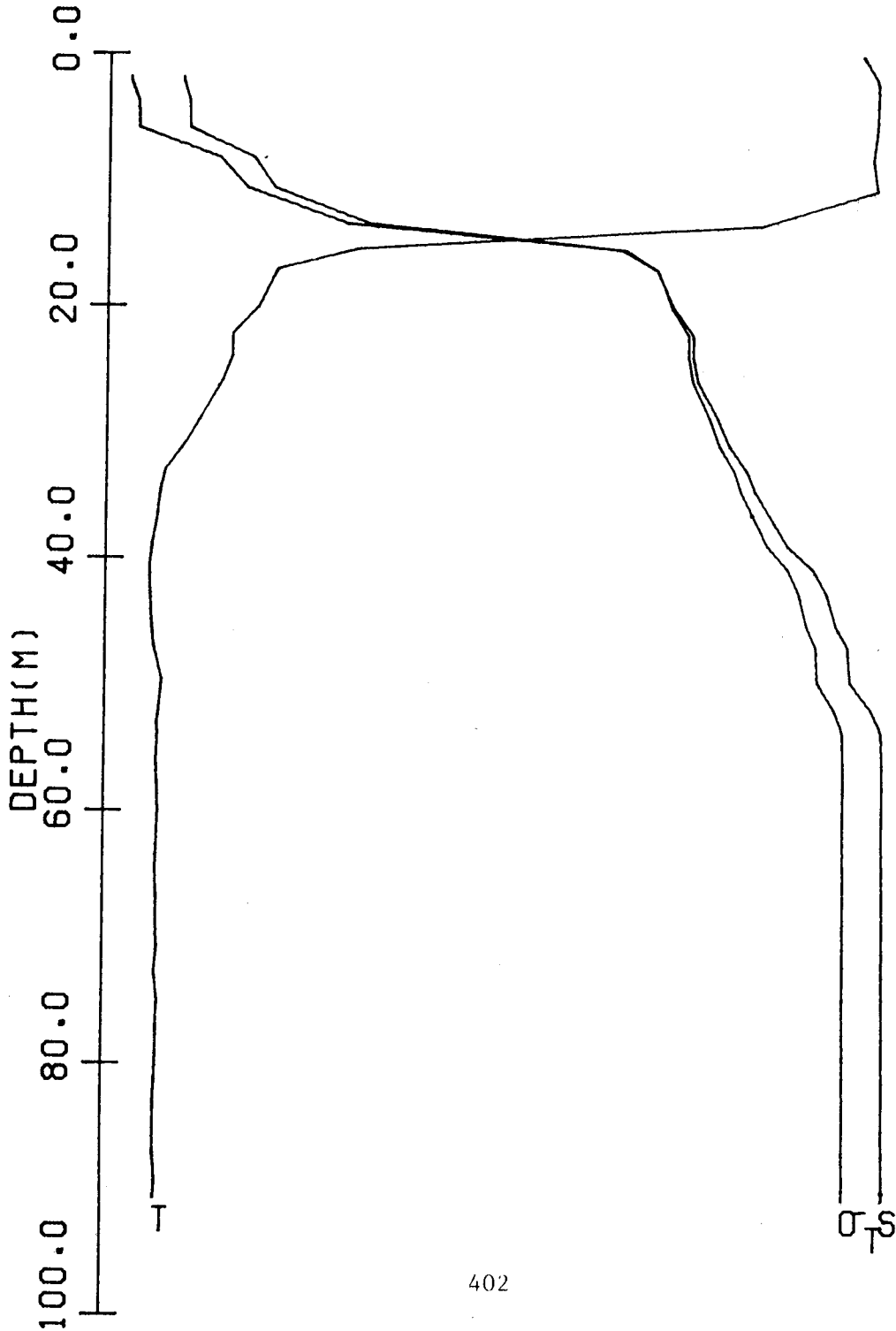
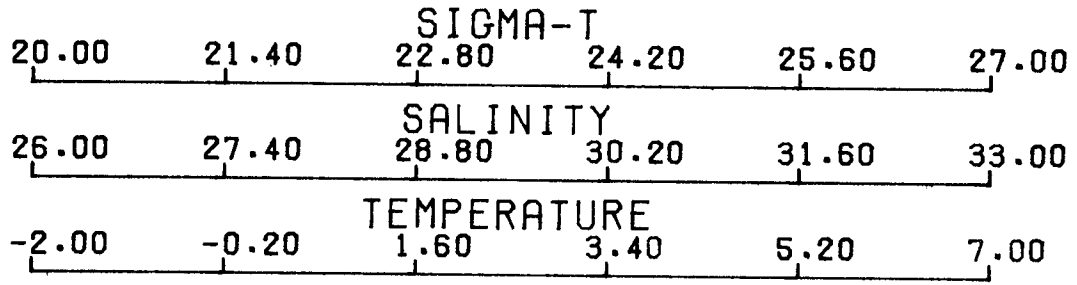
PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 180 DEG  
 TEMP DRIFT 6.0 C TEMP WET 5.3 C  
 PRESSURE 1019.4 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECHY DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGHT
16224	0.0	6.000		
16226	1.0	5.020	26.296	20.719
16226	3.0	5.020	26.313	20.732
16226	5.0	5.020	26.317	20.735
16226	5.1	5.020	26.323	20.744
16226	10.1	5.970	26.354	20.770
16226	12.3	5.960	26.373	20.780
16227	14.4	5.930	26.408	20.810
16227	16.4	3.970	27.414	21.790
16227	18.4	3.450	29.441	23.634
16227	20.0	3.570	30.539	24.655
16227	22.1	3.720	30.651	24.655
16227	24.8	-1.030	30.948	24.609
16227	26.7	-1.240	31.134	25.006
16227	28.5	-1.290	31.229	25.555
16227	30.4	-1.260	31.474	25.600
16227	32.3	-1.300	31.548	25.470
16227	34.2	-1.410	31.841	25.661
16227	36.1	-1.410	31.909	25.661
16227	38.0	-1.460	32.049	25.798
16227	40.0	-1.470	32.054	25.803
16227	42.0	-1.460	32.077	25.821
16228	44.0	-1.460	32.091	25.832
16228	46.0	-1.460	32.103	25.820
16228	48.0	-1.470	32.107	25.846
16228	50.0	-1.480	32.107	25.846
16228	52.0	-1.460	32.116	25.853
16228	54.0	-1.470	32.119	25.855
16228	56.0	-1.460	32.126	25.861
16229	57.0	-1.470	32.137	25.870
16229	60.0	-1.460	32.154	25.883
16229	61.0	-1.460	32.154	25.883
16229	63.0	-1.470	32.163	25.891
16229	65.0	-1.460	32.163	25.891
16229	67.0	-1.460	32.164	25.891
16300	69.0	-1.480	32.170	25.897
16300	70.0	-1.460	32.172	25.898
16300	72.0	-1.460	32.176	25.900
16300	74.0	-1.470	32.176	25.901
16300	75.0	-1.480	32.181	25.906
16300	78.0	-1.470	32.189	25.910
16301	79.0	-1.480	32.208	25.920
16301	80.0	-1.490	32.215	25.933

S



STATION NO. 6445 1 262 MONTH 8 DAY 30



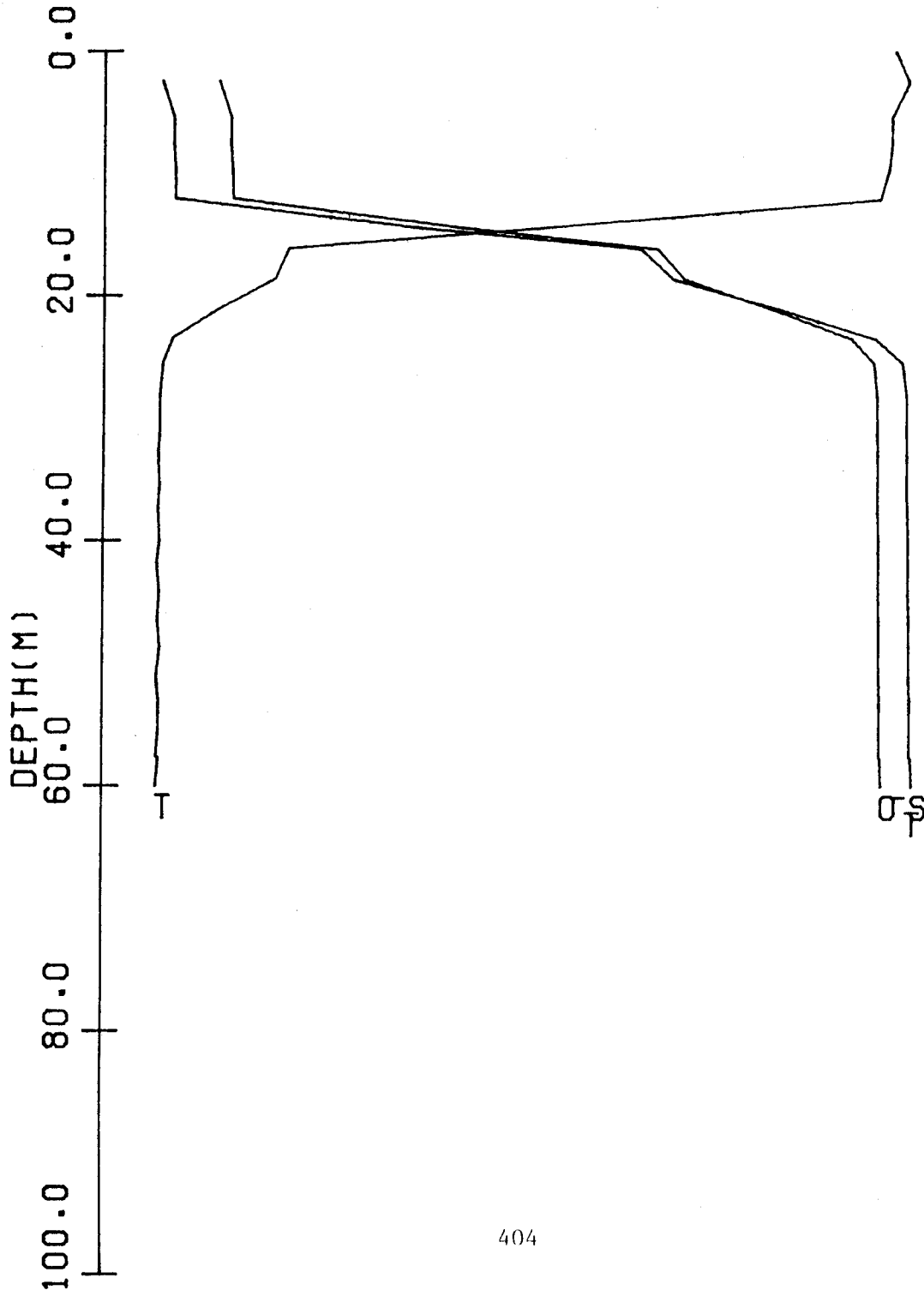
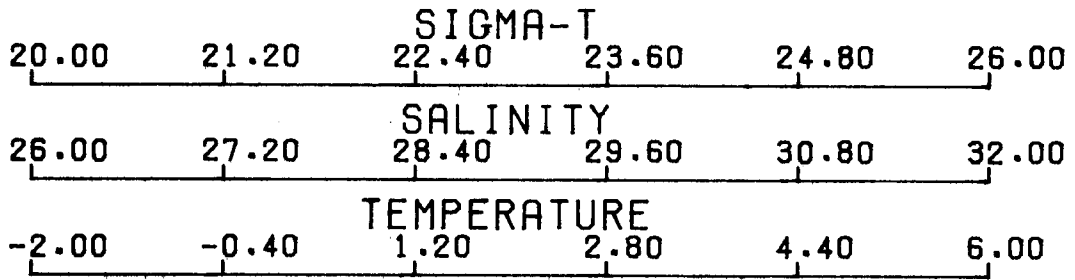
AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6445 VISIT NUM 1 CONSECUTIVE NUM 262  
 LATITUDE 55 DEGREES 59.70 MINUTES  
 LONGITUDE 82 DEGREES 2.60 MINUTES  
 SOUNDING 98.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUIDELINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 190 DEG  
 TEMP DEW 5.6 C TEMP WET 5.0 C  
 PRESSURE 1019.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SEICHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA-T
1730	0.0	6.000		
1732	1.0	6.150	26.171	20.607
1732	2.2	6.160	26.173	20.607
1733	3.7	6.160	26.233	20.654
1733	5.0	6.150	26.240	20.661
1733	8.0	6.110	26.312	21.193
1733	10.7	6.160	27.140	21.367
1733	13.5	4.940	27.374	22.150
1733	15.0	.650	30.241	24.267
1733	17.1	-.210	30.534	24.539
1733	20.1	-.410	30.577	24.661
1733	22.2	-.680	30.335	24.797
1733	24.0	-.680	30.336	24.799
1733	25.0	-.780	30.378	24.835
1733	28.8	-1.000	31.044	24.975
1733	31.0	-1.130	31.143	25.059
1733	33.0	-1.360	31.231	25.183
1733	34.6	-1.430	31.358	25.233
1734	37.1	-1.470	31.517	25.366
1734	38.0	-1.510	31.531	25.381
1734	40.7	-1.540	31.333	25.630
1734	42.7	-1.530	31.339	25.727
1734	45.3	-1.510	32.030	25.791
1734	46.0	-1.490	32.135	25.869
1734	49.7	-1.400	32.155	25.883
1734	51.0	-1.430	32.333	25.928
1734	53.2	-1.450	32.338	25.981
1734	53.7	-1.440	32.417	25.996
1735	56.2	-1.440	32.426	25.103
1735	57.4	-1.440	32.429	25.106
1735	59.0	-1.430	32.430	25.106
1735	62.6	-1.440	32.430	25.106
1735	64.6	-1.450	32.436	25.111
1735	66.7	-1.440	32.436	25.113
1736	64.0	-1.440	32.439	25.114
1736	70.0	-1.430	32.440	25.114
1736	72.0	-1.450	32.441	25.115
1736	75.0	-1.420	32.443	25.116
1736	77.1	-1.430	32.446	25.119
1736	79.3	-1.430	32.447	25.120
1737	81.3	-1.440	32.449	25.122
1737	83.2	-1.450	32.449	25.122
1737	85.1	-1.450	32.449	25.122
1737	87.1	-1.450	32.451	25.124
1737	89.1	-1.430	32.458	25.129
1737	90.7	-1.440	32.458	25.129

S

STATION NO. 6446 1 263 MONTH 8 DAY 30



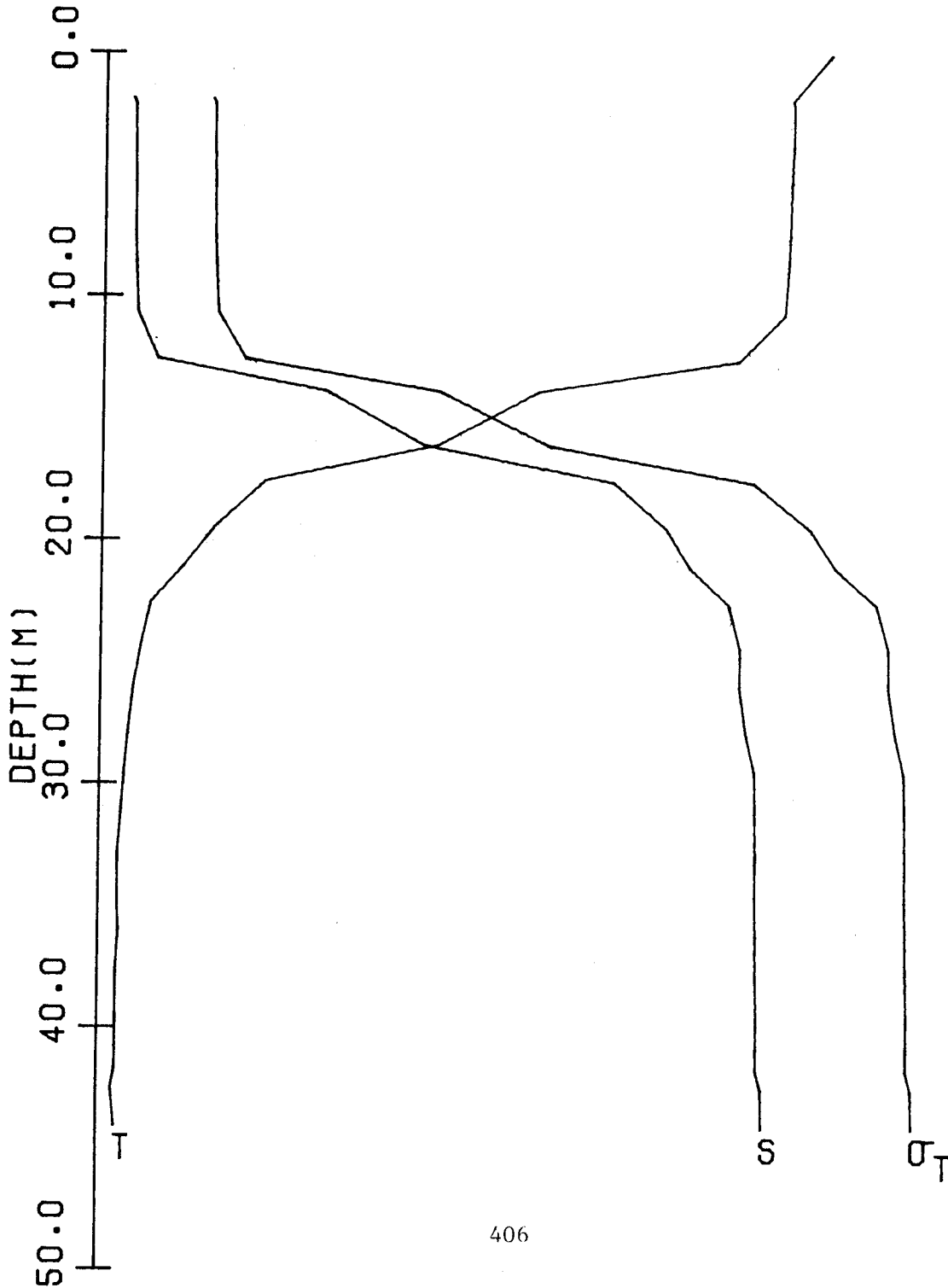
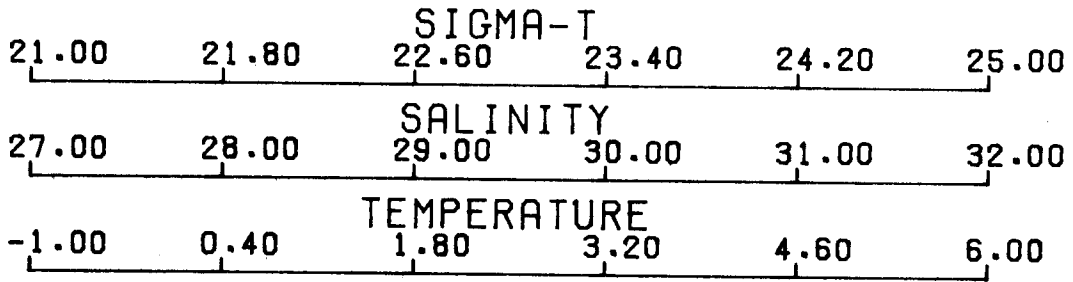
AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6446 VISIT NUM 1 CONSECUTIVE NUM 263  
 LATITUDE 55 DEGREES 57.50 MINUTES  
 LONGITUDE 82 DEGREES 32.70 MINUTES  
 SOUNDING 71.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 133 DEG  
 TEMP DAY 5.5 C TEMP WET 5.4 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC 12.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
18 58	0.0	5.700		
19 00	2.5	5.830	26.420	20.836
19 00	5.4	5.660	26.505	20.921
19 00	7.5	5.660	26.505	20.921
19 00	9.6	5.630	26.516	20.932
19 11	12.1	5.550	26.516	20.940
19 11	14.3	2.260	29.282	22.611
19 11	16.2	-1.210	29.914	24.840
19 11	18.7	-1.340	30.154	24.237
19 11	21.1	-1.880	30.925	24.875
19 11	23.5	-1.340	31.536	25.461
19 11	25.5	-1.430	31.334	25.624
19 11	28.2	-1.460	31.364	25.649
19 11	31.0	-1.460	31.866	25.650
19 11	32.7	-1.470	31.367	25.651
19 11	35.5	-1.460	31.858	25.652
19 11	37.4	-1.470	31.369	25.653
19 11	40.0	-1.460	31.877	25.659
19 11	41.9	-1.480	31.377	25.660
19 11	44.1	-1.460	31.878	25.660
19 22	46.6	-1.470	31.883	25.664
19 22	48.7	-1.450	31.885	25.665
19 22	51.2	-1.480	31.887	25.668
19 22	53.0	-1.460	31.892	25.671
19 22	55.5	-1.460	31.892	25.671
19 22	57.7	-1.480	31.892	25.672
19 22	57.8	-1.460	31.900	25.678
19 22	60.0	-1.480	31.910	25.686

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STATION NO. 6481 1 264 MONTH 8 DAY 30

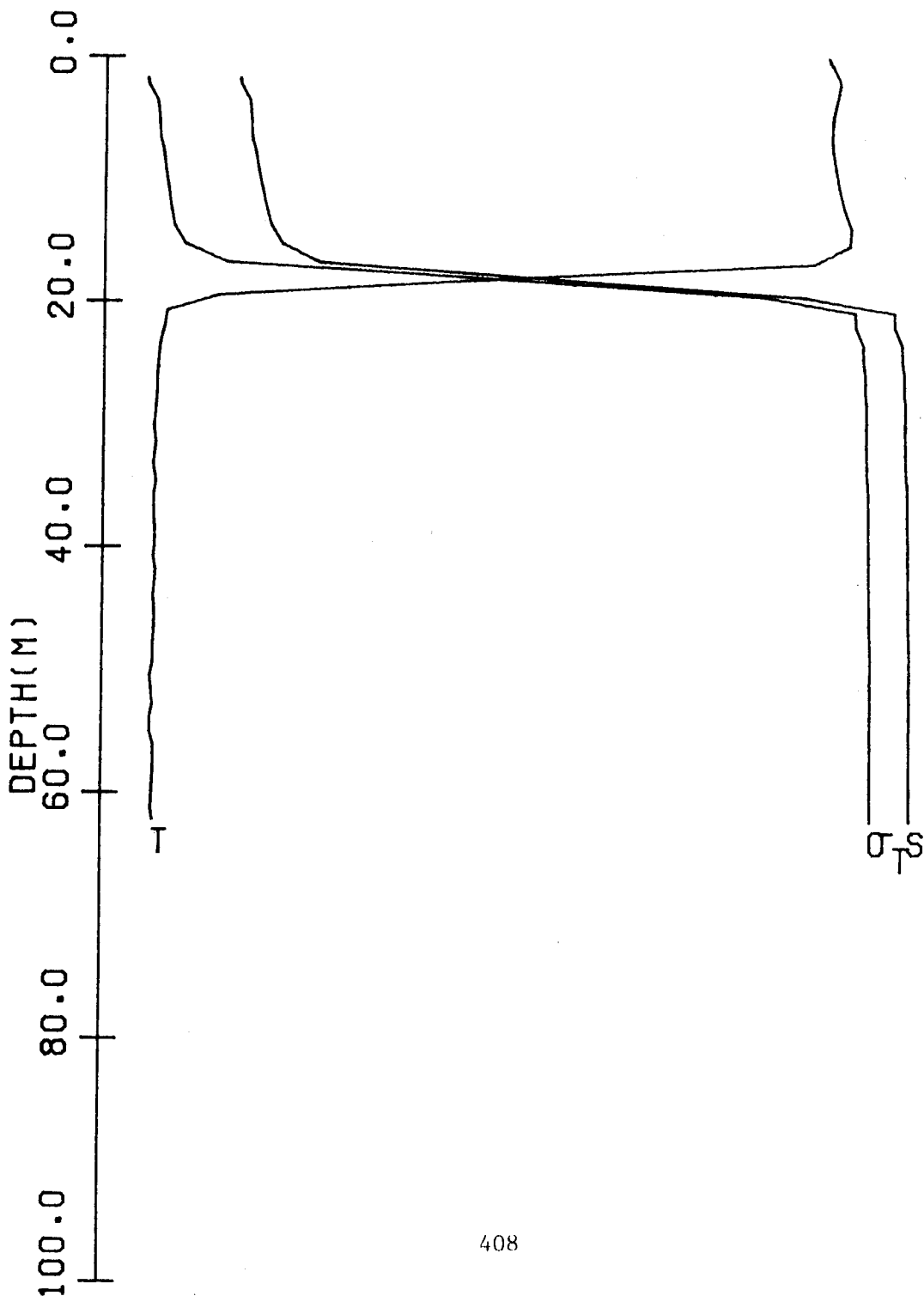
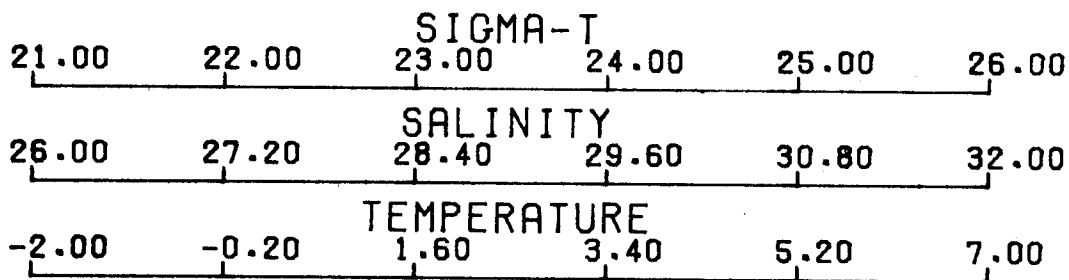


AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6481 VISIT NUM 1 CONSECUTIVE NUM 264  
 LATITUDE 55 DEGREES 48.00 MINUTES  
 LONGITUDE 82 DEGREES 59.60 MINUTES  
 SOUNDING 44.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GULLO LINE MARK III 48-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNOTS WIND DIR 155 DEG  
 TEMP DRY 5.6 C TEMP WET 5.6 C  
 PRESSURE 1017.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA-T
2044	0.0	5.200		
2047	1.0	4.870	27.165	21.518
2047	2.1	4.880	27.179	21.520
2047	3.7	4.880	27.180	21.520
2047	5.1	4.870	27.182	21.532
2047	7.4	4.860	27.183	21.534
2047	8.6	4.850	27.189	21.539
2047	10.7	4.820	27.202	21.552
2047	12.8	4.430	27.328	21.588
2047	13.9	2.720	28.354	22.536
2047	16.1	1.860	28.959	23.176
2047	17.6	1.390	30.121	24.183
2047	19.5	1.040	30.447	24.462
2047	21.1	1.300	30.593	24.580
2047	22.8	1.580	30.833	24.792
2047	24.4	1.660	30.904	24.852
2048	26.0	1.720	30.904	24.854
2048	27.4	1.760	30.943	24.886
2048	29.5	1.790	31.001	24.934
2048	30.9	1.810	31.006	24.939
2048	32.9	1.840	31.011	24.944
2048	34.6	1.840	31.011	24.944
2048	36.0	1.830	31.017	24.948
2048	37.7	1.850	31.020	24.951
2048	39.5	1.850	31.027	24.957
2048	40.8	1.850	31.028	24.958
2048	41.7	1.850	31.028	24.958
2048	42.5	1.880	31.058	24.983
2049	44.1	1.850	31.055	24.987

STATION NO. 6447 1 265 MONTH 8 DAY 30



AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6447 VISIT NUM 1 CONSECUTIVE NUM 265  
 LATITUDE 58 DEGREES 57.80 MINUTES  
 LONGITUDE 83 DEGREES 3.10 MINUTES  
 SOUNDING 62.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

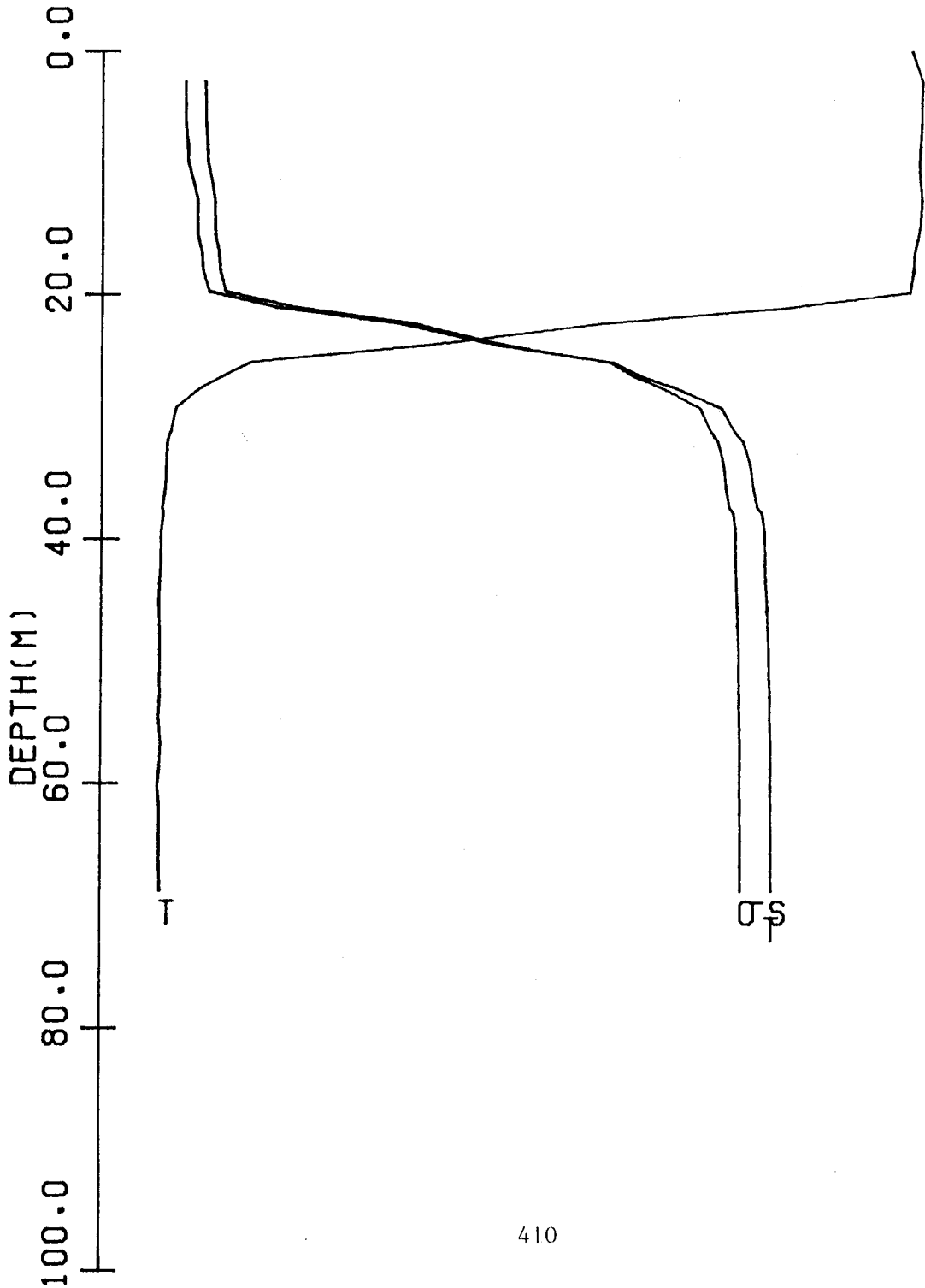
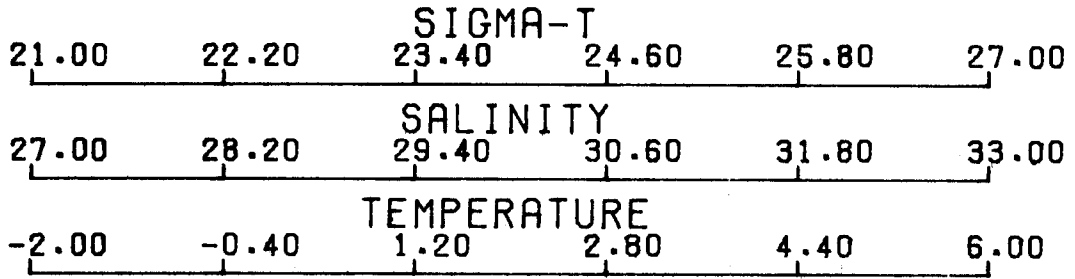
PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 74 DEG  
 TEMP DRY 5.6 C TEMP WET 5.6 C  
 PRESSURE 1017.5 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC 18.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
21	0.0	5.900		
22	1.2	5.020	26.375	21.252
22	2.2	5.030	26.378	21.254
22	3.6	5.990	27.045	21.311
22	4.8	5.950	27.053	21.321
22	6.0	5.940	27.060	21.322
22	7.7	5.950	27.087	21.346
22	9.3	5.990	27.113	21.364
22	10.0	5.020	27.136	21.370
22	12.0	6.080	27.169	21.398
22	13.0	6.160	27.209	21.421
22	15.0	6.150	27.237	21.437
22	16.0	5.750	27.556	21.737
22	18.0	5.190	29.313	23.438
22	19.0	5.750	31.096	25.010
22	20.0	-1.320	31.763	25.564
22	23.0	-1.390	31.765	25.566
22	24.0	-1.410	31.821	25.612
22	25.0	-1.420	31.823	25.614
22	27.0	-1.420	31.837	25.626
22	28.0	-1.430	31.837	25.626
22	30.0	-1.430	31.847	25.634
22	31.0	-1.430	31.849	25.633
22	33.0	-1.460	31.852	25.633
22	34.0	-1.430	31.857	25.644
22	34.0	-1.430	31.863	25.647
22	35.0	-1.450	31.854	25.648
22	37.0	-1.450	31.867	25.651
22	38.0	-1.440	31.867	25.651
22	39.0	-1.440	31.871	25.651
22	40.0	-1.450	31.872	25.652
22	41.0	-1.430	31.874	25.652
22	42.0	-1.450	31.876	25.652
22	43.0	-1.440	31.877	25.652
22	44.0	-1.450	31.877	25.652
22	45.0	-1.450	31.875	25.652
22	46.0	-1.450	31.877	25.652
22	48.0	-1.450	31.885	25.655
22	50.0	-1.480	31.886	25.666
22	51.0	-1.470	31.886	25.667
22	52.0	-1.450	31.886	25.667
22	53.0	-1.480	31.889	25.669
22	55.0	-1.480	31.888	25.669
22	57.0	-1.440	31.891	25.670
22	58.0	-1.440	31.891	25.670
22	59.0	-1.450	31.893	25.672
22	61.0	-1.460	31.893	25.672
22	62.0	-1.440	31.896	25.674

5



STATION NO. 6448 1 266 MONTH 8 DAY 30



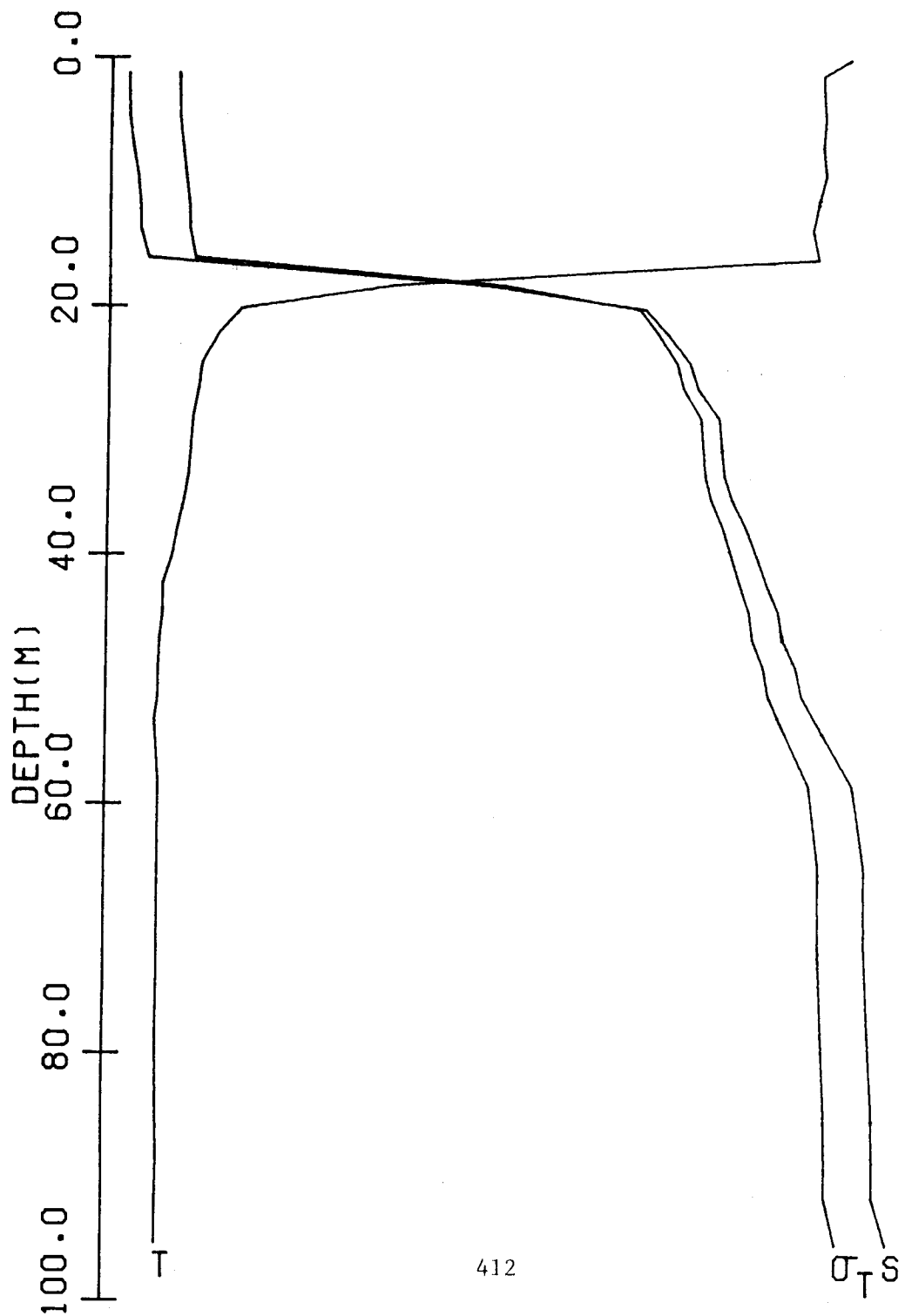
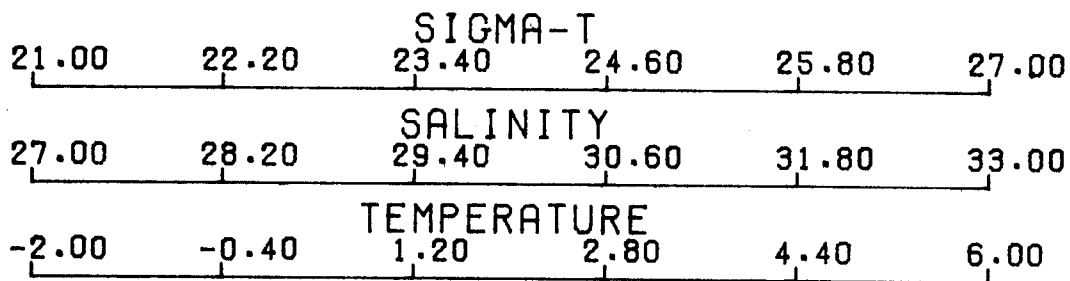
AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6448 VISIT NUM 1 CONSECUTIVE NUM 266  
 LATITUDE 55 DEGREES 57.60 MINUTES  
 LONGITUDE 83 DEGREES 29.90 MINUTES  
 SOUNDING 74.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS  
 TEMP DEW 6.0 C  
 PRESSURE 1016.9 M BAR  
 SWELL HEIGHT 0.2 M  
 SECCHI DISC 19.0 M  
 WIND DIR 80 DEG  
 TEMP WET 5.0 C  
 WAVE HEIGHT 0.0 M  
 SWELL DIR 350 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMA T
2327	0.0	5.900		
2331	2.5	5.900	27.601	21.747
2331	4.4	5.990	27.605	21.751
2331	5.9	5.990	27.605	21.751
2331	7.7	5.980	27.618	21.762
2331	9.2	5.970	27.638	21.767
2331	10.7	5.980	27.661	21.796
2331	12.2	5.980	27.692	21.818
2331	13.6	5.990	27.692	21.819
2331	15.1	5.970	27.692	21.821
2331	16.6	5.930	27.722	21.851
2331	18.0	5.920	27.734	21.855
2332	19.5	5.990	27.770	21.899
2332	21.1	5.700	28.272	22.411
2332	22.4	5.990	29.163	23.260
2332	22.9	5.170	29.996	23.964
2332	22.9	5.550	30.744	24.710
2332	22.6	5.820	30.944	24.890
2332	22.7	5.440	31.203	25.104
2332	22.9	5.380	31.540	25.382
2332	23.1	5.330	31.936	25.710
2332	23.2	5.360	31.936	25.710
2332	23.3	5.370	31.735	25.554
2332	23.5	5.370	31.774	25.574
2332	23.7	5.410	31.805	25.600
2333	23.9	5.400	31.936	25.726
2333	24.1	5.420	31.958	25.743
2333	24.3	5.430	31.962	25.746
2333	24.5	5.430	31.962	25.746
2333	24.7	5.430	31.976	25.756
2333	24.9	5.430	31.984	25.761
2334	25.1	5.430	31.993	25.771
2334	25.3	5.430	31.901	25.676
2334	25.4	5.440	31.901	25.676
2334	25.6	5.420	31.908	25.683
2334	25.8	5.430	31.908	25.683
2334	26.0	5.450	31.908	25.684
2334	26.1	5.430	31.911	25.684
2334	26.4	5.430	31.913	25.686
2334	26.7	5.430	31.913	25.686
2335	26.8	5.420	31.916	25.690

S

STATION NO. 6494 2 267 MONTH 8 DAY 31

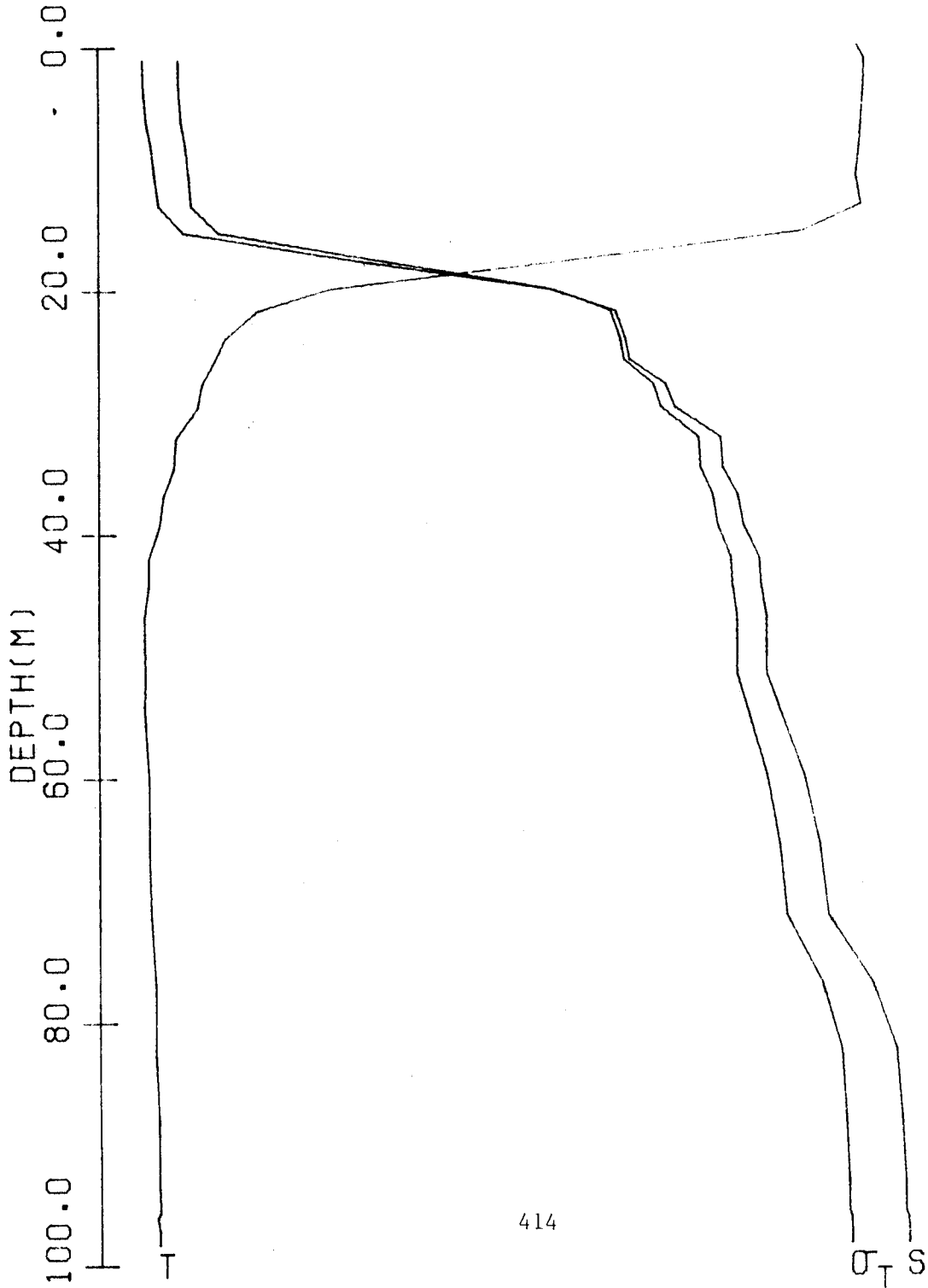
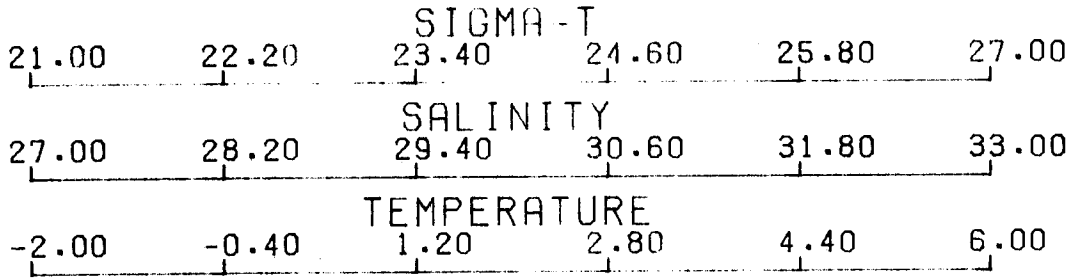


AREA SQUARE NUM 52084  
 DATE 8 MONTH 31 DAY  
 STATION NUM 6494 VISIT NUM 2 CONSECUTIVE NUM 267  
 LATITUDE 55 DEGREES 56.90 MINUTES  
 LONGITUDE 84 DEGREES 00.00 MINUTES  
 SOUNDING 105.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS  
 TEMP DEW 5.0 C  
 PRESSURE 1016.9 M BAR  
 SWELL HEIGHT 0.2 M  
 SECCHI DISC M  
 WIND DIR 60 DEG  
 TEMP WET 5.7 C  
 WAVE HEIGHT 0.0 M  
 SWELL DIR 350 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1 4	0.0	5.100		
1 8	1.3	4.840	27.128	21.492
1 8	2.7	4.840	27.128	21.492
1 8	4.1	4.860	27.136	21.497
1 8	5.5	4.840	27.153	21.502
1 8	7.0	4.840	27.163	21.507
1 8	8.4	4.837	27.198	21.515
1 8	9.8	4.800	27.218	21.527
1 8	11.2	4.750	27.222	21.537
1 8	12.6	4.810	27.220	21.537
1 8	14.0	4.740	27.220	21.537
1 8	15.4	4.740	29.726	23.856
1 8	16.8	4.740	30.370	24.827
1 8	18.2	4.950	31.026	24.956
1 8	19.6	-1.110	31.191	25.099
1 8	21.0	-1.140	31.249	25.144
1 8	22.4	-1.190	31.402	25.266
1 8	23.8	-1.210	31.421	25.285
1 8	25.2	-1.230	31.441	25.301
1 8	26.6	-1.270	31.497	25.347
1 8	28.0	-1.330	31.602	25.434
1 8	29.4	-1.380	31.684	25.501
1 8	30.8	-1.460	31.753	25.550
1 8	32.2	-1.460	31.839	25.590
1 8	33.6	-1.490	31.870	25.624
1 8	35.0	-1.500	31.959	25.654
1 8	36.4	-1.500	32.011	25.680
1 8	37.8	-1.530	32.115	25.733
1 8	39.2	-1.490	32.115	25.733
1 8	40.6	-1.490	32.380	25.807
1 8	42.0	-1.490	32.464	25.835
1 8	43.4	-1.490	32.470	25.835
1 8	44.8	-1.490	32.500	25.840
1 8	46.2	-1.490	32.500	25.840
1 8	47.6	-1.480	32.537	25.854
1 8	49.0	-1.470	32.537	25.854
1 8	50.4	-1.480	32.540	25.854
1 8	51.8	-1.480	32.541	25.854
1 8	53.2	-1.480	32.541	25.854
1 8	54.6	-1.480	32.541	25.854
1 8	56.0	-1.480	32.541	25.854
1 8	57.4	-1.480	32.541	25.854
1 8	58.8	-1.480	32.541	25.854
1 8	60.2	-1.480	32.541	25.854
1 8	61.6	-1.480	32.541	25.854
1 8	63.0	-1.480	32.541	25.854
1 8	64.4	-1.480	32.541	25.854
1 8	65.8	-1.480	32.541	25.854
1 8	67.2	-1.480	32.541	25.854
1 8	68.6	-1.480	32.541	25.854
1 8	70.0	-1.480	32.541	25.854
1 8	71.4	-1.480	32.541	25.854
1 8	72.8	-1.480	32.541	25.854
1 8	74.2	-1.480	32.541	25.854
1 8	75.6	-1.480	32.541	25.854
1 8	77.0	-1.480	32.541	25.854
1 8	78.4	-1.480	32.541	25.854
1 8	79.8	-1.480	32.541	25.854
1 8	81.2	-1.480	32.541	25.854
1 8	82.6	-1.480	32.541	25.854
1 8	84.0	-1.480	32.541	25.854
1 8	85.4	-1.480	32.541	25.854
1 8	86.8	-1.480	32.541	25.854
1 8	88.2	-1.480	32.541	25.854
1 8	89.6	-1.480	32.541	25.854
1 8	91.0	-1.480	32.541	25.854
1 8	92.4	-1.480	32.541	25.854
1 8	93.8	-1.480	32.541	25.854
1 8	95.2	-1.480	32.541	25.854

STATION NO. 6495 1 268 MONTH 8 DAY 31



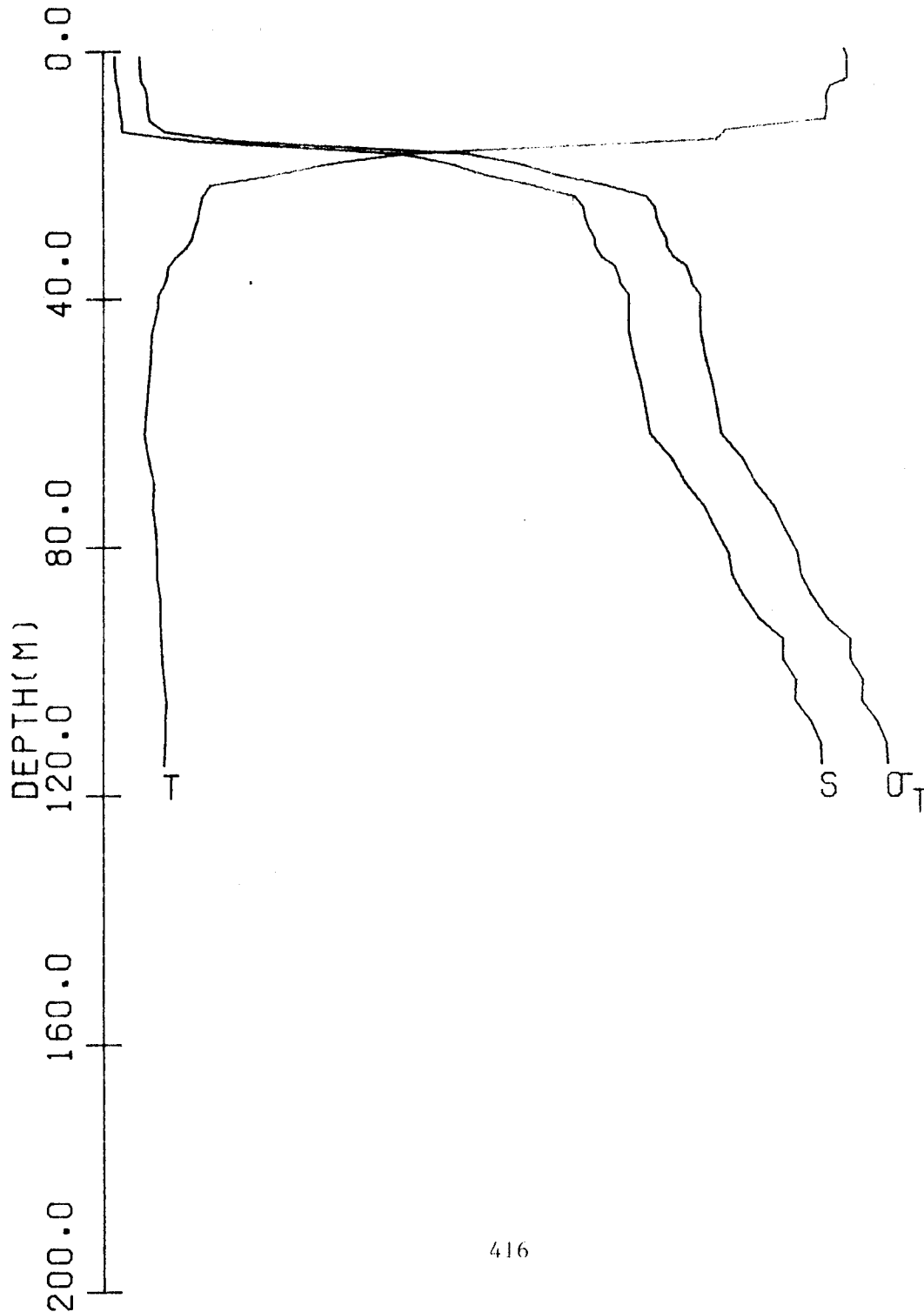
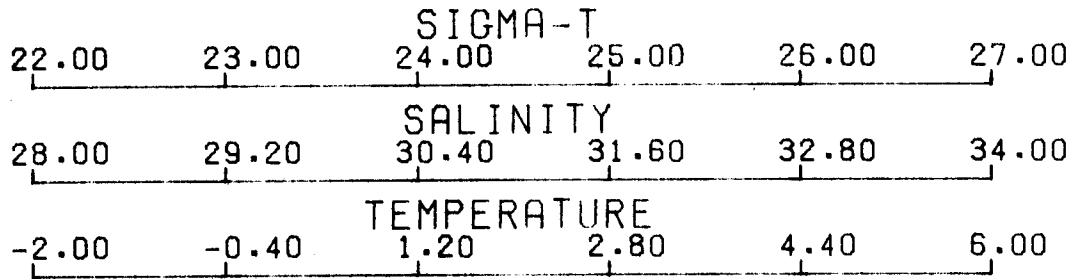
AREA SQUARE NUM 56084  
 DATE 8 MONTH 31 DAY  
 STATION NUM 6495 VISIT NUM 1 CONSECUTIVE NUM 268  
 LATITUDE 86 DEGREES 7.00 MINUTES  
 LONGITUDE 84 DEGREES .05 MINUTES  
 SOUNDING 107.9 METRES SNOW THICKNESS CN  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 60 DEG  
 TEMP DRIFT 6.1 C TEMP WET 6.0 C  
 PRESSURE 1016.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC H

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMA T
216	0.0	5.400		
218	1.1	5.470	27.324	21.585
218	3.4	5.460	27.326	21.589
218	6.2	5.440	27.346	21.605
218	8.3	5.420	27.385	21.638
218	10.7	5.390	27.409	21.660
218	13.1	5.440	27.439	21.678
218	15.3	5.370	27.619	21.677
218	17.7	2.590	28.335	23.077
218	20.0	-.240	30.296	24.330
219	21.8	-.460	30.784	24.749
219	24.0	-.770	30.836	24.816
219	25.8	-.870	30.884	24.842
219	27.5	-1.000	31.146	25.057
219	29.7	-1.040	31.216	25.115
219	32.2	-1.250	31.551	25.361
219	34.7	-1.270	31.566	25.403
219	36.9	-1.370	31.675	25.494
219	39.4	-1.410	31.716	25.528
219	42.1	-1.520	31.832	25.624
219	44.3	-1.520	31.944	25.634
219	46.8	-1.560	31.885	25.668
219	49.0	-1.560	31.885	25.668
219	51.8	-1.550	31.887	25.669
219	54.1	-1.560	31.871	25.737
220	54.4	-1.560	31.930	25.745
220	59.9	-1.520	32.160	25.890
220	65.6	-1.520	32.275	25.983
220	71.4	-1.500	32.338	26.033
220	76.9	-1.460	32.651	26.294
220	82.3	-1.460	32.834	26.434
221	87.8	-1.430	32.872	26.464
221	93.1	-1.430	32.898	26.485
221	95.7	-1.420	32.900	26.486
222	96.1	-1.450	32.918	26.502
222	97.1	-1.430	32.925	26.507
222	98.3	-1.430	32.925	26.507

S

STATION NO. 6496 1 269 MONTH 8 DAY 31



AREA SQUARE NUM 560 R4  
 DATE 8 MONTH 31 DAY  
 STATION NUM 6496 VISIT NUM 1 CONSECUTIVE NUM 269  
 LATITUDE 56 DEGREES 19.02 MINUTES  
 LONGITUDE 84 DEGREES 1.93 MINUTES  
 SOUNDING 137.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, GUILDLINE MARK III 40-448  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 60 DEG  
 TEMP DRY 5.1 C TEMP WET 5.9 C  
 PRESSURE 1016.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.2 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG. C)	SALINITY (PPT.)	SIGMAT
325	0.0	5.100		
326	1.0	5.120	28.082	22.218
326	2.0	5.120	28.082	22.218
326	4.0	5.120	28.082	22.218
326	6.0	4.960	28.093	22.225
326	7.0	4.920	28.093	22.253
326	9.0	4.930	28.114	22.267
326	11.0	4.910	28.121	22.273
326	13.0	4.960	28.134	22.279
326	14.0	4.970	28.137	22.366
326	16.0	4.890	28.147	22.781
326	18.0	4.890	30.014	24.177
326	20.0	4.140	30.049	24.492
326	21.0	3.990	30.074	24.713
326	23.0	3.990	31.005	24.985
327	25.0	-1.060	31.032	25.252
327	27.0	-1.100	31.049	25.304
327	28.0	-1.130	31.048	25.335
327	30.0	-1.160	31.053	25.371
327	31.0	-1.210	31.053	25.379
327	33.0	-1.320	31.057	25.415
327	35.0	-1.380	31.067	25.491
327	36.0	-1.400	31.070	25.520
327	37.0	-1.420	31.071	25.526
327	39.0	-1.480	31.077	25.577
327	41.0	-1.480	31.077	25.577
328	43.0	-1.540	31.077	25.580
328	49.0	-1.550	31.081	25.610
328	53.0	-1.570	31.086	25.650
328	57.0	-1.590	31.093	25.679
328	62.0	-1.610	31.093	25.709
328	66.0	-1.570	32.001	25.835
329	69.0	-1.520	32.018	25.906
329	73.0	-1.530	32.032	25.923
329	77.0	-1.500	32.040	25.990
329	81.0	-1.490	32.043	26.163
329	84.0	-1.490	32.052	26.185
329	88.0	-1.460	32.050	26.252
330	92.0	-1.460	32.072	26.346
330	95.0	-1.458	32.099	26.470
330	98.0	-1.440	32.099	26.480
330	101.0	-1.420	32.085	26.555
330	105.0	-1.400	32.076	26.547
330	108.0	-1.410	33.088	26.638
331	111.0	-1.410	33.160	26.697
331	115.0	-1.420	33.169	26.704



5. BOTTLE CAST DATA

AREA SQUARE NUM 52076  
 DATE 8 MONTH 13 DAY  
 STATION NUM 6512 VISIT NUM 1 CONSECUTIVE NUM 3 71  
 LATITUDE 54 DEGREES 56.00 MINUTES  
 LONGITUDE 79 DEGREES 45.50 MINUTES  
 SOUNDING 120.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 2 DEG  
 TEMP DRY 6.0 C TEMP WET 5.9 C  
 PRESSURE 1020.9 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2019	2.0	4.470	25.945	20.591
2019	10.0	4.340	25.938	20.597
2019	27.0	1.800	28.683	22.959
2019	60.0	-1.260	30.924	24.884
2019	110.0	-1.420	32.086	25.827

AREA SQUARE NUM 52076  
 DATE 8 MONTH 13 DAY  
 STATION NUM 6514 VISIT NUM 1 CONSECUTIVE NUM 3 73  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 79 DEGREES 49.50 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 350 DEG  
 TEMP DRY 5.1 C TEMP WET 5.1 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT 1.2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
22 2	2.0	4.980	24.915	19.734
22 2	10.0	4.120	25.308	20.117
22 2	42.0	-1.040	30.066	24.186
22 2	80.0	-1.300	31.039	24.978
22 2	110.0	-1.390	31.615	25.446
22 2	130.0	-1.390	31.721	25.531

AREA SQUARE NUM 52075  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6516 VISIT NUM 1 CONSECUTIVE NUM 375  
 LATITUDE 55 DEGREES 26.00 MINUTES  
 LONGITUDE 79 DEGREES 54.00 MINUTES  
 SOUNDING 120.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMPL)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 346 DEG  
 TEMP DRY 4.4 C TEMP WET 4.2 C  
 PRESSURE 1021.7 M BAR WAVE HEIGHT 1.3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 11.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
042	2.0	4.970	27.622	21.866
042	15.0	3.240	28.417	22.650
042	30.0	1.120	29.032	23.275
042	45.0	.390	29.322	23.541
042	70.0	-.640	30.130	24.227
042	100.0	-1.370	31.108	25.035

AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6516 VISIT NUM 1 CONSECUTIVE NUM 377  
 LATITUDE 55 DEGREES 42.00 MINUTES  
 LONGITUDE 79 DEGREES 34.00 MINUTES  
 SOUNDING 95.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMPL)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 360 DEG  
 TEMP DRY 6.1 C TEMP WET 5.9 C  
 PRESSURE 1021.3 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT 0.7 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
327	5.0	6.970	27.075	21.223
327	8.5	5.960	27.447	21.630
327	12.0	2.650	28.078	22.423
327	20.0	2.050	28.306	23.042
327	40.0	.650	29.418	23.607
327	85.0	-.990	30.567	24.589

AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6534 VISIT NUM 1 CONSECUTIVE NUM B 84  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 79 DEGREES 10.50 MINUTES  
 SOUNDING 137.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 40 DEG  
 TEMP DRY 9.6 C TEMP WET 9.3 C  
 PRESSURE 1024.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1810	1.4	8.300	24.334	18.915
1810	10.2	6.200	23.631	18.607
1810	21.2	1.160	28.142	22.561
1810	62.0	-1.360	30.780	24.770
1810	105.8	-1.460	31.570	25.411
1810	130.7	-1.500	31.880	25.662

AREA SQUARE NUM 52076  
 DATE 8 MONTH 14 DAY  
 STATION NUM 6536 VISIT NUM 1 CONSECUTIVE NUM B 86  
 LATITUDE 55 DEGREES 20.50 MINUTES  
 LONGITUDE 79 DEGREES 21.00 MINUTES  
 SOUNDING 182.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 1 KNTS WIND DIR 80 DEG  
 TEMP DRY 12.7 C TEMP WET 9.4 C  
 PRESSURE 1023.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
20 2	3.0	8.160	24.351	18.947
20 2	7.5	7.210	24.400	19.100
20 2	21.0	-0.850	28.761	23.128
20 2	65.0	-1.280	30.773	24.762
20 2	121.0	-1.460	31.537	25.465
20 2	150.0	-1.470	31.765	25.569

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6552 VISIT NUM 1 CONSECUTIVE NUM 3 93  
 LATITUDE 55 DEGREES 10.17 MINUTES  
 LONGITUDE 78 DEGREES 15.00 MINUTES  
 SOUNDING 44.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 1 KNTS WIND DIR 340 DEG  
 TEMP DRY 8.8 C TEMP WET 8.0 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
258	5.0	7.370	24.159	18.901
258	21.8	3.890	26.780	21.300
258	26.0	.050	27.415	22.022
258	28.0	-.060	28.351	22.777
258	30.0	-.580	29.110	23.403
258	33.6	-1.220	29.650	23.853

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6553 VISIT NUM 1 CONSECUTIVE NUM 3 94  
 LATITUDE 55 DEGREES 16.50 MINUTES  
 LONGITUDE 78 DEGREES 24.00 MINUTES  
 SOUNDING 161.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 280 DEG  
 TEMP DRY 9.1 C TEMP WET 9.1 C  
 PRESSURE 1022.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
355	1.3	7.760	20.106	15.682
355	20.8	5.050	26.140	20.693
355	30.6	.740	27.572	22.123
355	65.2	-1.330	31.076	25.008
355	110.5	-1.490	31.351	25.728
355	140.4	-1.490	32.014	25.771

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6568 VISIT NUM 1 CONSECUTIVE NUM 8 96  
 LATITUDE 55 DEGREES 37.50 MINUTES  
 LONGITUDE 79 DEGREES 10.00 MINUTES  
 SOUNDING 40.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 280 DEG  
 TEMP DRY 8.0 C TEMP WET 7.5 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
740	1.6	8.240	25.040	19.474
740	12.3	6.350	25.077	19.726
740	20.2	1.350	28.698	22.306
740	25.5	.490	28.945	23.235
740	30.2	.380	28.995	23.279
740	35.2	.210	29.003	23.292

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6568 VISIT NUM 1 CONSECUTIVE NUM 3 98  
 LATITUDE 55 DEGREES 30.50 MINUTES  
 LONGITUDE 78 DEGREES 42.00 MINUTES  
 SOUNDING 126.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 220 DEG  
 TEMP DRY 8.0 C TEMP WET 7.5 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
951	2.0	8.420	24.388	18.942
951	5.0	7.290	24.548	19.206
951	11.0	5.310	26.981	21.331
951	30.0	-1.310	29.517	23.747
951	50.0	-1.260	30.547	24.579
951	110.0	-1.430	31.666	25.488

AREA SQUARE NUM 56076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6565 VISIT NUM 1 CONSECUTIVE NUM B 99  
 LATITUDE 55 DEGREES 27.50 MINUTES  
 LONGITUDE 78 DEGREES 30.50 MINUTES  
 SOUNDING 136.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 199 DEG  
 TEMP DRY 8.0 C TEMP WET 7.6 C  
 PRESSURE 1021.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 13.7 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1053	2.0	8.810	23.081	17.873
1053	5.0	7.710	24.175	18.365
1053	25.0	-1.050		
1053	60.0	-1.240	30.755	24.747
1053	92.0	-1.400	31.567	25.407
1053	120.0	-1.440		

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6563 VISIT NUM 1 CONSECUTIVE NUM B101  
 LATITUDE 55 DEGREES 19.50 MINUTES  
 LONGITUDE 78 DEGREES 3.50 MINUTES  
 SOUNDING 45.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 200 DEG  
 TEMP DRY 8.6 C TEMP WET 8.4 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT .3 M SWELL DIR M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1318	10.0	7.420	23.873	18.663
1318	20.0	4.350	26.329	21.063
1318	30.0	.540	26.039	22.546
1318	35.0	-0.860	28.772	23.137
1318	40.0	-1.260	30.045	24.173

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6561 VISIT NUM 1 CONSECUTIVE NUM 8103  
 LATITUDE 55 DEGREES 16.50 MINUTES  
 LONGITUDE 77 DEGREES 50.50 MINUTES  
 SOUNDING 46.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 230 DEG  
 TEMP DRY 9.7 C TEMP WET 8.5 C  
 PRESSURE 1020.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1433	24.0	3.040	26.561	21.190
1433	28.0	-1.060	27.329	21.976
1433	34.0	-1.320	29.021	23.347
1433	40.0	-1.340	30.104	24.222

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6611 VISIT NUM 1 CONSECUTIVE NUM 8104  
 LATITUDE 55 DEGREES 25.30 MINUTES  
 LONGITUDE 77 DEGREES 39.00 MINUTES  
 SOUNDING 51.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 240 DEG  
 TEMP DRY 10.0 C TEMP WET 8.4 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1815	1.4	7.900	23.309	18.556
1815	10.1	7.630	24.171	18.871
1815	15.2	2.700	24.240	19.364
1815	20.8	1.320	27.322	22.297
1815	27.1	-0.480	29.057	23.352
1815	45.5	-1.350	30.351	24.827



AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6612 VISIT NUM 1 CONSECUTIVE NUM B105  
 LATITUDE 55 DEGREES 26.50 MINUTES  
 LONGITUDE 77 DEGREES 40.00 MINUTES  
 SOUNDING 31.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 240 DEG  
 TEMP DRY 10.5 C TEMP WET 8.8 C  
 PRESSURE 1017.2 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1845	1.0	7.970	23.395	18.693
1845	7.0	5.590	24.462	19.320
1845	15.0	4.330	26.321	20.900
1845	22.0	.480	28.296	22.714
1845	25.0	.570	28.863	23.165

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6614 VISIT NUM 1 CONSECUTIVE NUM B107  
 LATITUDE 55 DEGREES 33.00 MINUTES  
 LONGITUDE 77 DEGREES 53.00 MINUTES  
 SOUNDING 133.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 225 DEG  
 TEMP DRY 10.2 C TEMP WET 10.0 C  
 PRESSURE 1017.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2020	2.0	8.910	23.912	18.507
2020	4.0	8.710	24.170	18.734
2020	15.0	4.940	25.762	20.405
2020	31.0	-0.990	29.430	23.712
2020	66.0	-1.280	31.028	24.968
2020	120.0	-1.490	31.909	25.686

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6623 VISIT NUM 1 CONSECUTIVE NUM 8109  
 LATITUDE 55 DEGREES 38.50 MINUTES  
 LONGITUDE 77 DEGREES 31.00 MINUTES  
 SOUNDING 163.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 230 DEG  
 TEMP DRY 11.0 C TEMP WET 10.2 C  
 PRESSURE 1015.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2250	1.0	8.850	23.982	18.569
2250	3.5	8.800	24.012	18.590
2250	23.0	3.860	27.550	21.912
2250	45.0	-1.120	30.472	24.515
2250	97.0	-1.470	31.754	25.560
2250	140.0	-1.490	31.919	25.694

AREA SQUARE NUM 52076  
 DATE 8 MONTH 15 DAY  
 STATION NUM 6633 VISIT NUM 1 CONSECUTIVE NUM 8110  
 LATITUDE 55 DEGREES 43.50 MINUTES  
 LONGITUDE 77 DEGREES 20.00 MINUTES  
 SOUNDING 196.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 230 DEG  
 TEMP DRY 11.6 C TEMP WET 9.4 C  
 PRESSURE 1015.3 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 10.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2359	1.0		26.356	
2359	10.0		27.330	
2359	18.0		28.711	
2359	40.0		30.069	
2359	90.0	-1.450	31.072	25.008
2359	170.0	-1.500	31.366	25.651

AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6634 VISIT NUM 1 CONSECUTIVE NUM 0111  
 LATITUDE 55 DEGREES 47.17 MINUTES  
 LONGITUDE 77 DEGREES 27.50 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 250 DEG  
 TEMP DRY 11.0 C TEMP WET 9.8 C  
 PRESSURE 1015.6 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
058	1.0	8.440	24.770	19.237
058	7.0	7.880	26.850	20.933
058	19.0	2.020	28.929	23.142
058	40.0	.010	29.669	23.835
058	80.0	-1.310	31.183	25.094
058	130.0	-1.480	31.898	25.677

AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6642 VISIT NUM 1 CONSECUTIVE NUM 3113  
 LATITUDE 55 DEGREES 53.50 MINUTES  
 LONGITUDE 77 DEGREES 9.50 MINUTES  
 SOUNDING 144.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 227 DEG  
 TEMP DRY 9.8 C TEMP WET 8.5 C  
 PRESSURE 1012.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
358	1.0	8.990	24.109	18.648
358	15.0	6.180	26.007	20.475
358	33.0	2.080	29.011	23.204
358	65.0	-1.220	30.914	24.875
358	120.0	-1.480	31.941	25.630
358	135.0	-1.490	31.912	25.688

AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6654 VISIT NUM 1 CONSECUTIVE NUM B114  
 LATITUDE 56 DEGREES 7.00 MINUTES  
 LONGITUDE 77 DEGREES 3.50 MINUTES  
 SOUNDING 122.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 160 DEG  
 TEMP DRY 9.4 C TEMP WET 8.2 C  
 PRESSURE 1012.9 M BAR WAVE HEIGHT .3 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
6 5	1.0	8.310	24.695	19.196
6 5	10.0	5.290	27.215	21.517
6 5	25.0	2.410	29.271	23.389
6 5	65.0	-1.580	30.078	24.184
6 5	90.0	-1.330	31.460	25.319
6 5	115.0	-1.430	31.720	25.531

AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6653 VISIT NUM 1 CONSECUTIVE NUM B116  
 LATITUDE 56 DEGREES 4.00 MINUTES  
 LONGITUDE 76 DEGREES 56.00 MINUTES  
 SOUNDING 160.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 310 DEG  
 TEMP DRY 7.8 C TEMP WET 7.8 C  
 PRESSURE 1011.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
851	2.0	8.210	25.607	19.920
851	10.0	4.030	28.512	22.660
851	42.0	-1.560	30.191	24.274
851	81.0	-1.420	31.616	25.447
851	100.0	-1.470	31.734	25.544
851	140.0	-1.490	31.994	25.674

AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6652 VISIT NUM 1 CONSECUTIVE NUM B117  
 LATITUDE 56 DEGREES 1.25 MINUTES  
 LONGITUDE 76 DEGREES 50.00 MINUTES  
 SOUNDING 129.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 40 DEG  
 TEMP DRY 7.6 C TEMP WET 7.4 C  
 PRESSURE 1013.7 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.3 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1219	2.0	8.260	23.202	18.036
1219	13.0	5.540	26.515	20.941
1219	25.0	1.360	28.350	23.117
1219	35.0	.040	29.880	24.003
1219	65.0	-1.230	31.103	25.028
1219	102.0	-1.420	31.607	25.440

AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6661 VISIT NUM 1 CONSECUTIVE NUM B118  
 LATITUDE 56 DEGREES 3.25 MINUTES  
 LONGITUDE 76 DEGREES 45.25 MINUTES  
 SOUNDING 129.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 40 DEG  
 TEMP DRY 8.6 C TEMP WET 8.4 C  
 PRESSURE 1013.8 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
13 0	2.0	8.380	24.378	18.908
13 0	12.0	5.640	25.436	20.082
13 0	25.0	1.870	28.527	22.831
13 0	40.0	-.520	30.246	24.317
13 0	70.0	-1.280	31.199	25.107
13 0	100.0	-1.410	31.536	25.382

AREA SQUARE NUM 56076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6662 VISIT NUM 1 CONSECUTIVE NUM 3119  
 LATITUDE 56 DEGREES 6.50 MINUTES  
 LONGITUDE 76 DEGREES 42.50 MINUTES  
 SOUNDING 128.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 11 KNTS WIND DIR 40 DEG  
 TEMP DRY 9.0 C TEMP WET 8.9 C  
 PRESSURE 1013.7 M BAR WAVE HEIGHT .2 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 6.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1336	2.0	8.900	24.428	18.910
1336	15.0	4.090	25.636	20.379
1336	29.0	1.750	28.577	22.878
1336	70.0	-1.300	31.257	25.154
1336	105.0	-1.410	31.532	25.379

AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6641 VISIT NUM 1 CONSECUTIVE NUM 3120  
 LATITUDE 55 DEGREES 50.25 MINUTES  
 LONGITUDE 77 DEGREES 1.75 MINUTES  
 SOUNDING 64.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 350 DEG  
 TEMP DRY 9.1 C TEMP WET 9.0 C  
 PRESSURE 1014.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 7.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1534	2.0	9.250	24.072	18.585
1534	19.0	5.730	26.925	21.244
1534	27.0	1.620	28.606	22.908
1534	33.0	.550	29.445	23.633
1534	40.0	-.700	30.225	24.305
1534	50.0	-1.000	30.735	24.725

AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6631 VISIT NUM 1 CONSECUTIVE NUM 8121  
 LATITUDE 55 DEGREES 40.20 MINUTES  
 LONGITUDE 77 DEGREES 13.50 MINUTES  
 SOUNDING 47.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 14 KNTS WIND DIR 350 DEG  
 TEMP DRY 9.2 C TEMP WET 9.0 C  
 PRESSURE 1014.8 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1657	1.0	8.310	24.393	18.960
1657	18.0	5.180	25.795	20.409
1657	26.0	.500	28.560	22.925
1657	30.0	-.100	29.255	23.506
1657	40.0	-1.020	30.443	24.490

AREA SQUARE NUM 52076  
 DATE 8 MONTH 16 DAY  
 STATION NUM 6621 VISIT NUM 1 CONSECUTIVE NUM 8122  
 LATITUDE 55 DEGREES 34.03 MINUTES  
 LONGITUDE 77 DEGREES 24.00 MINUTES  
 SOUNDING 67.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 17 KNTS WIND DIR 360 DEG  
 TEMP DRY 9.2 C TEMP WET 9.0 C  
 PRESSURE 1015.6 M BAR WAVE HEIGHT 1.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1758	1.8	8.730	24.177	18.737
1758	10.1	7.760	24.207	18.884
1758	27.0	1.310	29.604	23.723
1758	30.2	-.270	29.556	23.754
1758	40.4	-.670	29.990	24.115
1758	60.2	-1.270	30.743	24.738

AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 612 VISIT NUM 1 CONSECUTIVE NUM B124  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 7.17 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 12 KNTS WIND DIR 359 DEG  
 TEMP DRY 7.1 C TEMP WET 6.1 C  
 PRESSURE 1021.2 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
620	1.9	6.660	25.092	19.704
620	12.8	4.890	27.261	21.592
620	25.4	-1.210	29.115	23.397
620	60.8	-1.410	31.291	25.184
620	85.8	-1.470	31.974	25.738
620	105.5	-1.470	32.027	25.781

AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 614 VISIT NUM 1 CONSECUTIVE NUM B126  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 80 DEGREES 38.50 MINUTES  
 SOUNDING 105.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 357 DEG  
 TEMP DRY 7.2 C TEMP WET 7.2 C  
 PRESSURE 1022.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
833	2.0	7.680	22.965	17.923
833	9.0	7.660		
833	44.0	-1.420		
833	66.0	-1.480	31.231	25.185
833	73.0	-1.490	32.019	25.775
833	90.0	-1.490	32.072	25.818



AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 616 VISIT NUM 1 CONSECUTIVE NUM 8128  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 14.50 MINUTES  
 SOUNDING 66.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 244 DEG  
 TEMP DRY 6.0 C TEMP WET 5.0 C  
 PRESSURE 1024.3 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
11 7	3.0	5.730	24.605	19.419
11 7	12.0	5.150	25.862	20.464
11 7	17.0	.530	27.383	21.984
11 7	26.0	-1.730	29.159	23.447
11 7	39.0	-1.400	31.056	24.994
11 7	58.0	-1.480	31.420	25.290

AREA SQUARE NUM 52080  
 DATE 8 MONTH 17 DAY  
 STATION NUM 618 VISIT NUM 1 CONSECUTIVE NUM 8130  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 50.00 MINUTES  
 SOUNDING 29.3 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 100 DEG  
 TEMP DRY 5.0 C TEMP WET 5.0 C  
 PRESSURE 1024.1 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1343	5.0	3.530	24.955	19.882
1343	15.0	-1.610	25.831	20.770
1343	25.0	-1.610	27.077	21.778

AREA SQUARE NUM 52076  
 DATE 8 MONTH 17 DAY  
 STATION NUM 622 VISIT NUM 1 CONSECUTIVE NUM 3136  
 LATITUDE 54 DEGREES 23.00 MINUTES  
 LONGITUDE 79 DEGREES 57.10 MINUTES  
 SOUNDING 46.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 30 DEG  
 TEMP DRY 9.6 C TEMP WET 3.4 C  
 PRESSURE 1021.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 9.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2157	2.0	7.950	22.815	17.774
2157	4.0	7.270	22.819	17.856
2157	30.0	1.020	24.912	19.963
2157	45.0	-0.680	29.170	23.454

AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 603 VISIT NUM 1 CONSECUTIVE NUM 3144  
 LATITUDE 53 DEGREES 56.50 MINUTES  
 LONGITUDE 81 DEGREES 42.60 MINUTES  
 SOUNDING 45.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 13 KNTS WIND DIR 190 DEG  
 TEMP DRY 9.2 C TEMP WET 7.8 C  
 PRESSURE 1017.9 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
838	2.0	8.220	23.930	18.657
838	5.0	8.220	23.949	18.657
838	25.0	0.630	27.036	21.746
838	38.0	-0.360	28.972	23.299

AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 602 VISIT NUM 1 CONSECUTIVE NUM B146  
 LATITUDE 53 DEGREES 57.50 MINUTES  
 LONGITUDE 81 DEGREES 1.50 MINUTES  
 SOUNDING 39.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 16 KNTS WIND DIR 145 DEG  
 TEMP DRY 8.6 C TEMP WET 7.3 C  
 PRESSURE 1018.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1114	3.0	7.080	23.933	18.788
1114	21.0	-0.410	28.475	22.887
1114	33.0	-0.850	28.849	23.199

AREA SQUARE NUM 52080  
 DATE 8 MONTH 18 DAY  
 STATION NUM 601 VISIT NUM 1 CONSECUTIVE NUM B146  
 LATITUDE 53 DEGREES 56.67 MINUTES  
 LONGITUDE 80 DEGREES 21.25 MINUTES  
 SOUNDING 51.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 149 DEG  
 TEMP DRY 8.5 C TEMP WET 3.5 C  
 PRESSURE 1021.6 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 5.5 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1425	2.0	6.520	23.679	18.611
1425	10.0	6.010	23.778	18.741
1425	20.0	.800	27.010	21.671
1425	30.0	-0.530	28.912	23.243
1425	40.0	-0.940	29.690	23.880

AREA SQUARE NUM 52050  
 DATE 8 MONTH 22 DAY  
 STATION NUM 6127 VISIT NUM 1 CONSECUTIVE NUM B164  
 LATITUDE 54 DEGREES 6.11 MINUTES  
 LONGITUDE 80 DEGREES 22.43 MINUTES  
 SOUNDING 49.4 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 15 KNTS WIND DIR 270 DEG  
 TEMP DRY 13.0 C TEMP WET 11.5 C  
 PRESSURE 1002.5 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
126	2.0	8.720	23.028	17.844
126	25.0	1.460	26.322	21.092
126	35.0	-.610	29.368	23.612
126	45.0	-1.090	30.703	24.701

AREA SQUARE NUM 52080  
 DATE 8 MONTH 25 DAY  
 STATION NUM 612 VISIT NUM 2 CONSECUTIVE NUM B207  
 LATITUDE 54 DEGREES 44.50 MINUTES  
 LONGITUDE 80 DEGREES 8.00 MINUTES  
 SOUNDING 133.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 100 DEG  
 TEMP DRY 8.8 C TEMP WET 7.8 C  
 PRESSURE 1017.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC 8.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2335	3.0	8.050	23.536	18.324
2335	14.0	7.610	24.054	18.782
2335	20.0	4.500	25.012	19.652
2335	38.0	-1.200	29.608	23.816
2335	75.0	-1.430	31.972	25.735
2335	110.0	-1.460	32.083	25.826

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 615 VISIT NUM 2 CONSECUTIVE NUM B210  
 LATITUDE 54 DEGREES 46.50 MINUTES  
 LONGITUDE 80 DEGREES 56.67 MINUTES  
 SOUNDING 86.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 70 DEG  
 TEMP DRY 8.5 C TEMP WET 7.5 C  
 PRESSURE 1016.6 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 310 M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
253	2.0	8.020	23.327	18.555
253	10.0	7.950	23.329	18.565
253	20.0	2.750	26.144	20.573
253	25.0	-0.150	28.002	22.500
253	60.0	-1.470	32.004	25.762
253	75.0	-1.470	32.020	25.775

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 616 VISIT NUM 1 CONSECUTIVE NUM B211  
 LATITUDE 54 DEGREES 46.20 MINUTES  
 LONGITUDE 80 DEGREES 15.00 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 80 DEG  
 TEMP DRY 8.4 C TEMP WET 7.8 C  
 PRESSURE 1015.7 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
356	2.0	8.020	24.267	18.839
356	10.0	7.500	25.070	19.590
356	15.0	6.230	26.695	21.009
356	20.0	1.640	31.053	24.862
356	35.0	-1.340	31.360	25.238
356	55.0	-1.390	31.365	25.243

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 618 VISIT NUM 2 CONSECUTIVE NUM 8213  
 LATITUDE 54 DEGREES 46.00 MINUTES  
 LONGITUDE 81 DEGREES 50.00 MINUTES  
 SOUNDING 32.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 210 DEG  
 TEMP DRY 810 C TEMP WET 7.5 C  
 PRESSURE 1015.0 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT .5 M SWELL DIR 310 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
6 4	2.0	6.980	25.288	19.822
6 4	5.0	6.750	25.293	19.852
6 4	10.0	4.260	25.491	20.250
6 4	15.0	1.010	27.790	22.286
6 4	17.0	.690	28.120	22.565
6 4	25.0	.220	28.455	22.852

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6471 VISIT NUM 1 CONSECUTIVE NUM 8214  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 82 DEGREES 6.00 MINUTES  
 SOUNDING 20.5 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 115 DEG  
 TEMP DRY 6.5 C TEMP WET 6.1 C  
 PRESSURE 1012.2 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
841	3.0	5.300	25.594	20.239
841	5.0	5.280	26.009	20.565
841	10.0	5.500	28.875	22.803
841	15.0	4.510	28.996	22.999

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6423 VISIT NUM 1 CONSECUTIVE NUM 6217  
 LATITUDE 55 DEGREES 9.00 MINUTES  
 LONGITUDE 81 DEGREES 10.50 MINUTES  
 SOUNDING 85.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 120 DEG  
 TEMP DRY 7.8 C TEMP WET 7.4 C  
 PRESSURE 1011.5 M BAR WAVE HEIGHT .5 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 15.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1155	2.0	6.180	24.559	19.337
1155	10.0	5.870	24.553	19.364
1155	15.0	4.570	24.530	19.544
1155	19.0	1.990	26.319	21.063
1155	60.0	-1.460	32.116	25.853
1155	75.0	-1.460	32.144	25.375

AREA SQUARE NUM 52080  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6463 VISIT NUM 1 CONSECUTIVE NUM 3220  
 LATITUDE 55 DEGREES 10.00 MINUTES  
 LONGITUDE 80 DEGREES 18.50 MINUTES  
 SOUNDING 98.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 90 DEG  
 TEMP DRY 9.0 C TEMP WET 8.3 C  
 PRESSURE 1010.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
15 2	2.0	7.670	24.106	19.816
15 2	15.0	7.360	24.131	19.872
15 2	25.0	1.990	28.004	22.406
15 2	30.0	1.060	28.275	22.672
15 2	50.0	-1.190	30.149	24.256
15 2	90.0	-1.420	32.042	25.792

AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6512 VISIT NUM 2 CONSECUTIVE NUM 3226  
 LATITUDE 54 DEGREES 56.00 MINUTES  
 LONGITUDE 79 DEGREES 45.50 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 6 KNTS WIND DIR 35 DEG  
 TEMP DRY 10.0 C TEMP WET 9.5 C  
 PRESSURE 1007.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1953	2.0	8.410	23.769	19.461
1953	10.0	7.640	24.389	19.041
1953	20.0	4.840	25.200	19.371
1953	27.0	.920	28.332	22.724
1953	50.0	-1.220	30.761	24.751
1953	105.0	-1.420	31.989	25.749

AREA SQUARE NUM 52076  
 DATE 8 MONTH 26 DAY  
 STATION NUM 6514 VISIT NUM 2 CONSECUTIVE NUM 3226  
 LATITUDE 55 DEGREES 9.95 MINUTES  
 LONGITUDE 79 DEGREES 47.90 MINUTES  
 SOUNDING 166.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 120 DEG  
 TEMP DRY 8.7 C TEMP WET 8.4 C  
 PRESSURE 1006.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC 13.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2130	3.0	7.070	26.162	20.496
2130	5.0	6.990	26.549	20.808
2130	10.0	6.780	26.631	20.897
2130	50.0	.920	30.141	24.243
2130	78.0	-1.260	30.338	24.895
2130	120.0	-1.390	31.744	25.550



AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6465 VISIT NUM 1 CONSECUTIVE NUM 3231  
 LATITUDE 55 DEGREES 34.00 MINUTES  
 LONGITUDE 80 DEGREES 25.00 MINUTES  
 SOUNDING 65.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 110 DEG  
 TEMP DRY 8.9 C TEMP WET 3.4 C  
 PRESSURE 1005.8 M BAR WAVE HEIGHT M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
135	2.0	7.850	24.227	18.888
135	15.0	5.900	25.510	20.113
135	25.0	4.520	26.651	21.145
135	30.0	2.220	28.382	22.603
135	45.0	.630	29.187	23.423
135	55.0	.520	29.765	23.891

AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6435 VISIT NUM 1 CONSECUTIVE NUM 3235  
 LATITUDE 55 DEGREES 35.00 MINUTES  
 LONGITUDE 81 DEGREES 42.10 MINUTES  
 SOUNDING 87.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 2 KNTS WIND DIR 85 DEG  
 TEMP DRY 7.5 C TEMP WET 7.5 C  
 PRESSURE 1003.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.0 M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
617	2.0	6.650	24.951	19.595
617	7.0	6.430		
617	13.0	1.730	26.545	21.257
617	40.0	-1.430	31.321	25.613
617	60.0	-1.450	32.072	25.817
617	80.0	-1.440	32.225	25.940

AREA SQUARE NUM 52080  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6436 VISIT NUM 1 CONSECUTIVE NUM 8236  
 LATITUDE 55 DEGREES 35.00 MINUTES  
 LONGITUDE 82 DEGREES 7.00 MINUTES  
 SOUNDING 74.9 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 5 KNTS WIND DIR 104 DEG  
 TEMP DRY 7.4 C TEMP WET 7.4 C  
 PRESSURE 1003.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
739	2.0	6.890	25.103	19.687
739	10.0	6.380	25.532	20.158
739	15.0	1.000	28.458	22.822
739	25.0	-0.990	30.364	24.910
739	45.0	-1.390	31.777	25.577
739	65.0	-1.410	31.948	25.635

AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6491 VISIT NUM 1 CONSECUTIVE NUM 8241  
 LATITUDE 55 DEGREES 25.60 MINUTES  
 LONGITUDE 84 DEGREES .60 MINUTES  
 SOUNDING 24.6 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 20 KNTS WIND DIR 75 DEG  
 TEMP DRY 8.0 C TEMP WET 8.0 C  
 PRESSURE 999.7 M BAR WAVE HEIGHT 2.0 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
16 9	2.0	7.250	24.212	18.948
16 9	5.0	6.820	24.113	18.919
16 9	12.0	.690	29.729	23.855

AREA SQUARE NUM 52084  
 DATE 8 MONTH 27 DAY  
 STATION NUM 6494 VISIT NUM 1 CONSECUTIVE NUM 8244  
 LATITUDE 55 DEGREES 56.90 MINUTES  
 LONGITUDE 83 DEGREES 58.20 MINUTES  
 SOUNDING 115.2 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 24 KNTS WIND DIR 80 DEG  
 TEMP DRY 6.6 C TEMP WET 6.5 C  
 PRESSURE 997.9 M BAR WAVE HEIGHT 1.5 M  
 SWELL HEIGHT M SWELL DIR M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1928	18.0	-0.240	30.124	24.210
1928	30.0	-1.230	31.608	25.436
1928	50.0	-1.420	31.966	25.730
1928	85.0	-1.400	32.531	26.187

AREA SQUARE NUM 56080  
 DATE 8 MONTH 29 DAY  
 STATION NUM 6457 VISIT NUM 1 CONSECUTIVE NUM 8247  
 LATITUDE 56 DEGREES 19.70 MINUTES  
 LONGITUDE 83 DEGREES 0.50 MINUTES  
 SOUNDING 91.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 10 KNTS WIND DIR 80 DEG  
 TEMP DRY 5.0 C TEMP WET 3.6 C  
 PRESSURE 1024.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.5 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
2046	5.0	6.570	28.146	22.110
2046	18.0	6.500	28.172	22.139
2046	25.0	-0.690	30.879	24.833
2046	35.0	-1.330	31.364	25.241
2046	50.0	-1.500	31.639	25.508
2046	75.0	-1.470	32.508	26.170

AREA SQUARE NUM 56080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6455 VISIT NUM 1 CONSECUTIVE NUM 3250  
 LATITUDE 56 DEGREES 19.00 MINUTES  
 LONGITUDE 82 DEGREES 3.00 MINUTES  
 SOUNDING 109.8 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 240 DEG  
 TEMP DRY 5.0 C TEMP WET 3.0 C  
 PRESSURE 1024.6 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1 7	2.0	5.150	27.952	22.112
1 7	10.0	5.160	27.930	22.133
1 7	19.0	-0.810	30.908	24.860
1 7	30.0	-1.200	31.483	25.334
1 7	35.0	-1.350	31.509	25.359
1 7	85.0	-1.390	32.904	26.489

AREA SQUARE NUM 56080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6453 VISIT NUM 1 CONSECUTIVE NUM 3252  
 LATITUDE 56 DEGREES 20.00 MINUTES  
 LONGITUDE 81 DEGREES 15.00 MINUTES  
 SOUNDING 150.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 150 DEG  
 TEMP DRY 4.8 C TEMP WET 4.4 C  
 PRESSURE 1024.1 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
352	2.0	5.880	27.146	21.402
352	14.0	5.880	27.132	21.430
352	30.0	-1.300	31.239	25.130
352	50.0	-1.550	31.699	25.517
352	140.0	-1.390	33.155	26.692

AREA SQUARE NUM 56080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6469 VISIT NUM 1 CONSECUTIVE NUM 8254  
 LATITUDE 56 DEGREES 19.70 MINUTES  
 LONGITUDE 80 DEGREES 29.90 MINUTES  
 SOUNDING 137.1 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 220 DEG  
 TEMP DRY 5.0 C TEMP WET 4.8 C  
 PRESSURE 1023.8 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 1.0 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
625	2.0	5.540	26.239	20.771
625	22.0	4.400	27.479	21.810
625	30.0	-1.140	29.662	23.834
625	105.0	-1.410	32.847	26.443

AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6467 VISIT NUM 1 CONSECUTIVE NUM 8256  
 LATITUDE 55 DEGREES 57.80 MINUTES  
 LONGITUDE 80 DEGREES 31.40 MINUTES  
 SOUNDING 117.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 7 KNTS WIND DIR 177 DEG  
 TEMP DRY 4.5 C TEMP WET 4.5 C  
 PRESSURE 1023.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT 0.5 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
849	5.0	5.610	25.551	20.175
849	10.0	4.780	26.244	20.800
849	15.0	4.510	26.914	21.353
849	50.0	-0.920	31.299	25.178
849	83.0	-1.310	32.238	29.948
849	110.0	-1.390	32.885	26.473

AREA SQUARE NUM 52080  
 DATE 8 MONTH 30 DAY  
 STATION NUM 6445 VISIT NUM 1 CONSECUTIVE NUM B262  
 LATITUDE 55 DEGREES 56.70 MINUTES  
 LONGITUDE 82 DEGREES 4.60 MINUTES  
 SOUNDING 98.7 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 9 KNTS WIND DIR 190 DEG  
 TEMP DRY 5.6 C TEMP WET 5.5 C  
 PRESSURE 1019.2 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT .2 M SWELL DIR 350 M  
 SECCHI DISC 10.0 M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1730	2.0	6.170	26.194	20.622
1730	12.0	6.150	26.868	21.154
1730	15.0	6.180	27.140	21.364
1730	30.0	-0.900	28.985	23.229
1730	50.0	-1.490	32.288	25.993
1730	90.0	-1.460	32.489	26.155

AREA SQUARE NUM 52084  
 DATE 8 MONTH 31 DAY  
 STATION NUM 6494 VISIT NUM 2 CONSECUTIVE NUM B267  
 LATITUDE 55 DEGREES 56.90 MINUTES  
 LONGITUDE 84 DEGREES 0.00 MINUTES  
 SOUNDING 106.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 4 KNTS WIND DIR 60 DEG  
 TEMP DRY 6.0 C TEMP WET 5.7 C  
 PRESSURE 1016.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT .2 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
1 4	2.0	4.840	27.134	21.497
1 4	15.0	4.820	27.265	21.602
1 4	30.0	-1.220	31.438	25.299
1 4	50.0	-1.520	32.029	25.784
1 4	90.0	-1.500	32.559	26.212

AREA SQUARE NUM 56084  
 DATE 8 MONTH 31 DAY  
 STATION NUM 6496 VISIT NUM 1 CONSECUTIVE NUM B269  
 LATITUDE 56 DEGREES 19.02 MINUTES  
 LONGITUDE 84 DEGREES 1.93 MINUTES  
 SOUNDING 137.0 METRES SNOW THICKNESS CM  
 ICE THICKNESS METRES  
 DATA COLLECTION MEANS MV PETREL, BOTTLE DATA (ROSETTE SAMP)  
 NUMBER OF PROFILES 1

PROFILE NUM 1  
 WIND SPEED 8 KNTS WIND DIR 60 DEG  
 TEMP DRY 5.1 C TEMP WET 5.0 C  
 PRESSURE 1016.9 M BAR WAVE HEIGHT 0.0 M  
 SWELL HEIGHT .2 M SWELL DIR 350 M  
 SECCHI DISC M

TIME (GMT)	DEPTH (M)	TEMP. (DEG.C)	SALINITY (PPT.)	SIGMAT
325	2.0	5.120	28.107	22.237
325	5.0	4.960	28.107	22.253
325	13.0	4.910	28.132	22.278
325	30.0	-1.610	31.532	25.383
325	50.0	-1.570	31.867	25.653
325	90.0	-1.480	32.586	26.234