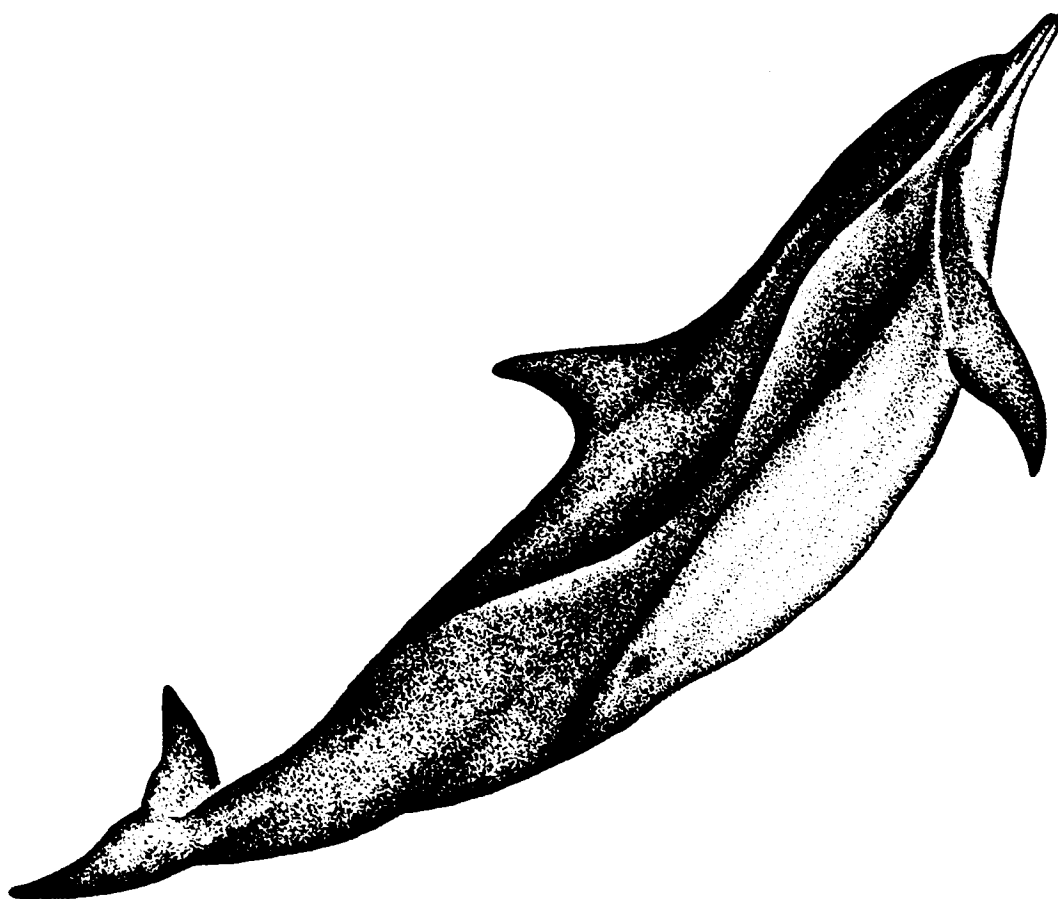


# Distribution and Abundance of Marine Mammals in the North-Central and Western Gulf of Mexico

## Interim Report

### Volume II: Appendix



*M. GRACE*



U.S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico OCS Region

# **Distribution and Abundance of Marine Mammals in the North-Central and Western Gulf of Mexico**

## **Interim Report**

### **Volume II: Appendix**

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## I. INTRODUCTION

This appendix is the second volume of the GulfCet Interim Report. The report is a synthesis of the work completed thus far on the Mineral Management Service project, "The distribution and abundance of marine mammals in the north-central and western Gulf of Mexico," contract number 14-35-0001-30619. The appendix contains the actual data from four aerial surveys, six hydrographic surveys, five shipboard visual surveys (TIO), two shipboard visual surveys (NMFS), and four shipboard acoustic surveys that have been tabulated or processed to date. Information pertinent to the Geographical Information System (GIS) computer system is also included in this volume.

Further details on the hydrographic data for cruises 1-6 are available in Technical Reports 93-01-T through 94-01-T published by Texas A&M University at Galveston. Chlorophyll data are not included in the hydrographic data, and a future Technical Report will be published which includes these data. The station plan followed for all TIO hydrographic cruises is located at the beginning of the hydrographic data section. The hydrographic cruise data are listed in the following order in each cruise section: personnel, XBT data, CTD data, MIDAS data (except Cruise 1), salinity data, station positions, and accessory temperature and salinity information. The CTD data includes dynamic height calculations for Cruises 1-3. Dynamic heights were omitted from Cruises 4-6 CTD data as a problem was discovered with the calculation of that parameter. This means that the dynamic heights calculated for Cruises 1-3 are erroneous.

## II. CETACEAN SURVEYS

## 2.1 Aerial Survey Data

**Aerial Survey # 1**

<b>Date</b>	<b>Time</b>	<b>Species</b>	<b>Latitude</b>	<b>Longitude</b>
8/12/92	9:00	Unid. dolphin	26°07.31	95°56.88
8/12/92	9:24	<i>Tursiops</i>	26°07.97	96°23.37
8/12/92	9:40	<i>Grampus</i>	26°13.52	96°15.77
		<i>Tursiops</i>		
8/12/92	10:10	<i>Kogia sp.</i>	26°19.43	96°07.34
8/12/92	10:32	<i>Tursiops</i>	26°26.50	96°13.76
8/12/92	10:56	Unid. dolphin	26°32.76	96°16.72
8/12/92	11:18	<i>Tursiops</i>	26°38.51	96°16.50
8/17/92	10:21	<i>Globicephala sp.</i>	27°28.44	95°45.23
8/19/92	9:37	<i>S. frontalis</i>	27°45.81	95°10.36
8/19/92	10:59	<i>Pseudorca</i>	27°27.65	94°45.78
8/19/92	15:46	<i>Tursiops</i>	27°47.88	94°13.16
8/19/92		<i>S. frontalis</i>		
8/19/92	16:05	<i>S. attenuata</i>	27°33.13	94°13.75
8/19/92	16:06	<i>Globicephala sp.</i>	27°31.53	94°13.24
8/19/92	16:25	Unid. small whale	27°33.79	94°04.87
8/22/92	14:59	<i>S. attenuata</i>	27°29.22	93°48.61
8/22/92	15:04	<i>Globicephala sp.</i>	27°33.34	93°48.57
8/22/92	15:11	<i>Kogia sp.</i>	27°38.63	93°48.48
8/22/92	15:21	Unid. dolphin	27°54.33	93°48.58
8/30/92	8:46	<i>Stenella sp.</i>	28°59.44	88°21.92
8/30/92	8:54	<i>Physeter</i>	28°49.12	88°21.93
8/30/92	8:59	<i>S. attenuata</i>	28°47.28	88°22.15
8/30/92	9:10	Unid. small whale	28°35.68	88°22.31
8/30/92	9:48	Unid. small whale	28°46.05	88°30.19
8/30/92	10:27	Unid. small whale	28°49.75	88°38.52
8/30/92	10:41	<i>S. attenuata</i>	28°33.68	88°38.18
8/30/92	15:45	<i>S. attenuata</i>	27°28.73	88°53.81
8/30/92	15:55	Unid. large whale	27°42.08	88°54.79
8/30/92	15:45	<i>S. attenuata</i>	27°28.73	88°53.81
8/30/92	15:55	Unid. large whale	27°42.08	88°54.79
8/31/92	9:11	<i>Tursiops</i>	28°44.27	89°02.80
8/31/92	9:28	<i>S. attenuata</i>	28°21.54	89°02.88
8/31/92	10:17	<i>Grampus</i>	27°17.77	89°10.97
8/31/92	15:05	<i>Tursiops</i>	28°36.50	89°19.31
8/31/92	15:09	<i>Tursiops</i>	28°36.09	89°18.57
8/31/92	15:19	<i>Kogia sp.</i>	28°23.17	89°19.11
9/1/92	9:06	<i>Physeter</i>	28°19.12	89°35.09
9/1/92	9:16	<i>S. attenuata</i>	28°14.10	89°35.37
9/1/92	10:03	<i>Kogia sp.</i>	27°27.87	89°43.74
9/1/92	10:17	Unid. small whale	27°41.73	89°43.68
9/1/92	10:28	<i>Steno</i>	27°44.56	89°43.83
9/5/92	9:18	<i>S. attenuata</i>	28°07.62	89°51.45
9/5/92	9:25	<i>Mesoplodon sp.</i>	28°01.81	89°51.61
9/5/92	9:38	<i>Kogia sp.</i>	27°43.22	89°51.70
9/5/92	10:55	<i>Steno</i>	28°24.13	90°00.05
9/5/92	14:54	<i>S. attenuata</i>	27°48.97	90°08.33
9/5/92	14:57	<i>Kogia sp.</i>	27°43.23	90°08.14

Date	Time	Species	Latitude	Longitude
9/5/92	15:57	<i>S. attenuata</i>	27°43.16	90°24.19
9/5/92	16:03	<i>S. attenuata</i>	27°42.21	90°24.74
9/8/92	10:14	<i>Tursiops</i>	27°55.47	93°15.98
9/8/92	10:25	<i>T. trun./S. fron.</i>	28°05.91	93°09.30
9/8/92	11:21	Unid. dolphin	27°38.52	92°59.89
9/9/92	9:16	<i>Kogia sp.</i>	27°38.29	92°51.43
9/9/92	9:53	Unid. dolphin	27°26.20	92°43.91
9/9/92	10:57	Unid. dolphin	27°20.30	92°29.01
9/9/92	11:15	<i>Peponocep./feresa</i>	27°41.59	92°26.61
9/10/92	10:53	<i>Stenella sp.</i>	27°35.81	92°11.55
9/10/92	16:30	<i>S. attenuata</i>	27°35.22	91°54.71
9/18/92	8:51	<i>Physeter</i>	29°12.65	87°40.90
9/18/92	9:37	<i>Orcinus</i>	28°46.93	88°39.27
9/18/92	9:49	Unid. dolphin	28°36.71	88°54.50
9/18/92	10:06	Unid. dolphin	28°15.06	89°12.73
9/18/92	10:28	Unid. dolphin	28°06.70	89°35.30
9/18/92	10:46	Unid. dolphin	27°48.52	89°52.24
9/18/92	10:47	Unid. dolphin	27°47.81	89°53.73

#### Aerial Survey #2

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11/14/92	8:37	Unid. dolphin	26°06.84	96°30.34
11/14/92	10:06	<i>Physeter</i>	26°38.04	95°55.36
11/14/92	10:25	<i>Grampus</i>	26°41.85	96°20.42
11/14/92	12:11	<i>S. attenuata</i>	27°04.17	95°42.56
11/17/92	9:10	<i>Stenella sp.</i>	27°40.87	95°45.92
11/17/92	10:13	Unid. odontocete	27°42.05	95°37.61
11/17/92	11:40	<i>Grampus</i>	27°35.95	95°04.76
11/28/92	12:42	<i>Physeter</i>	27°23.51	93°02.23
11/29/92	10:09	<i>Tursiops</i>	27°24.83	92°37.95
11/29/92	10:16	Beaked whale	27°19.88	92°38.00
11/29/92	12:47	Unid. dolphin	27°52.98	91°57.50
11/30/92	9:48	Unid. dolphin	27°45.46	91°49.21
11/30/92	10:16	Unid. small whale	27°33.34	91°40.75
11/30/92	10:29	<i>Globicephala sp.</i>	27°46.07	91°41.03
11/30/92	10:32	<i>Kogia sp.</i>	27°48.24	91°41.22
11/30/92	10:42	<i>S. frontalis</i>	27°53.83	91°41.15
11/30/92	11:00	Unid. odontocete	28°07.11	91°33.01
11/30/92	12:02	<i>Tursiops</i>	28°04.25	91°16.69
11/30/92	12:04	<i>Tursiops</i>	28°01.55	91°16.74
11/30/92	12:15	<i>Tursiops</i>	27°52.08	91°16.80
11/30/92	12:29	Beaked whale	27°35.95	91°16.73
12/8/92	13:51	Unid. dolphin	28°24.16	88°33.26
12/12/92	12:22	<i>Globicephala sp.</i>	27°28.11	88°57.91
12/12/92	12:56	Unid. odontocete	27°50.95	89°05.77
12/12/92	13:10	Steno	27°58.62	89°06.02
12/12/92	13:42	Unid. odontocete	28°37.56	89°05.70

**Aerial Survey #3**

Date	Time	Species	Latitude	Longitude
2/7/93	10:18	<i>Globicephala sp.</i>	26°06.90	96°15.03
2/7/93	10:41	<i>Kogia sp.</i>	26°14.13	96°11.27
2/7/93	10:51	<i>Stenella sp.</i>	26°14.49	96°14.28
2/7/93	12:40	<i>Grampus</i>	26°50.50	96°18.17
2/7/93	13:31	<i>Tursiops</i>	27°05.04	96°38.31
2/7/93	14:14	<i>Grampus</i>	27°12.21	95°51.60
2/7/93	14:41	<i>S. frontalis</i>	27°11.71	96°17.56
2/8/93	10:02	<i>S. frontalis</i>	27°26.55	96°13.55
2/8/93	10:06	<i>Tursiops</i>	27°26.75	96°18.09
2/8/93	10:29	<i>S. frontalis</i>	27°34.35	95°58.80
2/8/93	11:28	<i>Grampus</i>	27°28.83	95°39.90
2/8/93	11:54	<i>Tursiops</i>	27°47.92	95°31.83
2/8/93	12:55	<i>Tursiops</i>	27°44.54	95°07.26
2/11/93	10:20	Unid. dolphin	27°48.16	94°42.38
2/13/93	11:42	<i>S. clymene</i>	27°27.44	93°37.28
2/13/93	13:13	<i>Kogia sp.</i>	27°03.99	93°13.32
2/13/93	13:33	<i>S. attenuata</i>	27°13.05	93°12.56
2/13/93	13:40	<i>S. attenuata</i>	27°14.08	93°12.41
2/23/93	12:31	<i>S. attenuata</i>	27°18.03	92°48.67
2/23/93	13:07	<i>B. borealis/edeni</i>	27°53.82	92°41.67
2/23/93	13:50	<i>Grampus</i>	27°34.68	92°24.72
2/23/93	14:50	Unid. dolphin	27°19.83	92°07.67
3/5/93	15:10	<i>T. trun./S. fron.</i>	28°17.49	89°49.09
3/5/93	17:04	Unid. dolphin	28°44.45	89°32.62
3/6/93	10:43	Unid. dolphin	27°26.72	89°17.75
3/7/93	10:37	<i>Tursiops</i>	28°22.77	88°52.00
3/7/93	12:01	<i>Tursiops</i>	28°52.10	88°43.55
3/7/93	12:13	<i>Tursiops</i>	29°07.35	88°41.33
3/8/93	10:04	<i>Tursiops</i>	29°06.33	88°18.57
3/8/93	10:50	<i>S. longirostris</i>	28°59.74	88°10.86
3/8/93	11:49	<i>Tursiops</i>	29°13.64	87°54.49
3/8/93	12:19	<i>Stenella sp.</i>	29°11.93	87°46.60
3/11/93	10:47	<i>Tursiops</i>	28°08.30	90°13.20
3/11/93	11:27	<i>Kogia sp.</i>	27°43.33	90°29.29
3/11/93	12:05	<i>Tursiops</i>	27°53.43	90°37.86
3/11/93	13:07	<i>S. coeruleoalba</i>	27°40.06	90°53.24
3/21/93	10:38	<i>Grampus</i>	27°51.20	91°01.78
3/21/93	12:06	<i>S. attenuata</i>	27°43.29	91°27.40
3/21/93	12:17	<i>Tursiops</i>	27°55.13	91°26.71
3/21/93	12:49	<i>Tursiops</i>	27°50.54	91°35.13
3/21/93	13:49	<i>Kogia sp.</i>	27°30.58	91°50.86

**Aerial Survey #4**

4/30/93	10:22	<i>T. trun./S. fron.</i>	26°00.53	96°11.43
4/30/93	11:07	<i>Grampus</i>	26°21.16	95°58.20
5/3/93	11:13	<i>Physeter</i>	27°25.28	95°35.59
5/3/93	13:09	<i>Tursiops</i>	27°39.65	94°55.52

Date	Time	Species	Latitude	Longitude
5/3/93	14:33	<i>T. trun./S. fron.</i>	28°00.61	94°24.89
5/3/93	15:01	<i>Globicephala sp.</i>	27°32.16	94°22.47
5/7/93	10:59	<i>Tursiops</i>	27°55.22	93°33.78
5/7/93	11:34	<i>Globicephala sp.</i>	27°30.34	93°25.59
5/11/93	9:46	<i>Tursiops</i>	27°41.58	94°13.78
5/11/93	9:53	Unid. dolphin	27°38.43	94°13.87
5/11/93	10:20	<i>Grampus</i>	27°42.76	94°06.20
5/11/93	12:25	<i>Kogia sp.</i>	27°12.95	93°16.92
5/12/93	14:07	<i>S. frontalis</i>	27°44.32	91°55.80
5/12/93	14:20	<i>Kogia sp.</i>	27°33.36	91°55.17
5/12/93	14:33	<i>S. attenuata</i>	27°29.83	91°55.56
5/12/93	14:37	<i>Physeter</i>	27°27.74	91°54.70
5/12/93	15:44	<i>S. attenuata</i>	27°32.69	92°11.72
5/12/93	16:21	<i>S. clymene</i>	27°35.21	92°19.53
5/12/93	16:29	<i>Grampus</i>	27°46.70	92°19.36
5/12/93	16:38	<i>Kogia sp.</i>	27°55.12	92°19.87
5/15/93	9:26	<i>Tursiops</i>	27°59.36	92°36.00
5/15/93	10:44	<i>Peponocep./feresa</i>	27°41.75	91°47.85
5/15/93	11:12	<i>Tursiops</i>	27°44.47	91°46.97
5/15/93		Unid. dolphin		
5/15/93	11:15	<i>Tursiops</i>	27°45.34	91°47.21
5/15/93	11:36	<i>Tursiops</i>	28°00.56	91°39.21
5/15/93	12:34	<i>Tursiops</i>	28°03.94	91°22.76
5/16/93	9:55	<i>S. frontalis</i>	27°56.97	91°06.64
5/16/93	10:18	<i>Kogia sp.</i>	27°46.33	90°57.94
5/16/93	10:48	<i>Kogia sp.</i>	27°46.92	90°49.73
5/16/93	11:06	<i>Physeter</i>	27°52.10	90°41.54
5/16/93	13:14	<i>Peponocep./feresa</i>	27°47.35	90°19.93
		<i>Steno</i>		
		<i>lagenodelphis</i>		
5/17/93	11:09	<i>Grampus</i>	28°03.10	90°00.99
5/17/93	11:25	Unid. small whale	27°40.23	90°00.91
5/17/93	11:32	<i>S. attenuata</i>	27°33.79	90°01.12
5/17/93	11:53	<i>S. attenuata</i>	27°15.99	89°53.54
5/17/93	12:08	<i>S. clymene</i>	27°25.13	89°52.81
5/17/93	12:43	<i>T. trun./S. fron.</i>	28°12.31	89°52.56
5/17/93	12:49	<i>Kogia sp.</i>	28°16.11	89°53.18
5/29/93	11:28	Beaked whale	27°51.07	89°37.10
5/29/93	11:43	<i>Physeter</i>	28°14.41	89°36.81
5/29/93	13:24	<i>Steno</i>	27°41.52	89°28.47
		<i>Kogia sp.</i>		
		Beaked whale		
5/29/93	13:46	<i>Physeter</i>	27°38.84	89°21.68
5/29/93	13:55	Unid. small whale	27°54.01	89°20.79
5/29/93	14:01	Beaked whale	28°06.64	89°20.99
5/30/93	9:36	<i>Tursiops</i>	28°02.82	89°11.48
5/30/93	11:25	<i>Physeter</i>	28°23.87	88°56.02
5/30/93	11:56	<i>Physeter</i>	27°27.00	88°56.08
5/30/93	12:46	<i>S. attenuata</i>	28°33.11	88°30.56

<b>Date</b>	<b>Time</b>	<b>Species</b>	<b>Latitude</b>	<b>Longitude</b>
5/31/93	9:31	<i>Grampus</i>	29°15.64	87°34.06
5/31/93	9:43	<i>S. attenuata</i>	28°56.65	87°38.75
5/31/93	9:57	<i>Grampus</i>	29°12.69	87°42.63
5/31/93	10:07	<i>Tursiops</i>	29°22.12	87°42.03
5/31/93	10:12	<i>Tursiops</i>	29°25.86	87°48.00
5/31/93	10:50	<i>Grampus</i>	29°00.46	87°58.45
5/31/93	10:56	<i>Grampus</i>	29°08.18	87°58.87
5/31/93	12:04	<i>Tursiops</i>	29°17.26	88°23.15
5/31/93	13:02	<i>S. frontalis</i>	28°52.82	88°39.13



## **2.2 Shipboard Visual Survey Data (TIO)**

**Cruise #1**

Date	Time	Species	Latitude	Longitude
4/15/92	1247	<i>T. truncatus</i>	27° 14	96° 10
4/17/92	0910	<i>T. truncatus</i>	27° 56	95° 10
4/17/92	0920	<i>S. frontalis</i>	27° 56	94° 58.1
4/20/92	1635	<i>T. truncatus</i>	27° 47	94° 10.6
4/23/92	1153	<i>T. truncatus</i>	27° 35	93° 30
4/23/92	1528	Unid. dolphin	27° 17	93° 29.9
4/24/92	1253	<i>G. griseus</i>	26° 22	92° 50.4
4/24/92	1533	<i>P. macrocephalus</i>	26° 39	92° 49.6
4/24/92	1602	Unid. dolphin	26° 43	92° 48.2
4/24/92	1735	Unid. dolphin	26° 46	92° 49
4/25/92	1912	<i>S. clymene</i>	27° 22	92° 10
4/27/92	0926	<i>T. truncatus</i>	28° 30	90° 50.1
4/28/92	1736	<i>T. truncatus</i>	28° 34	89° 41.9
4/28/92	1904	<i>T. truncatus</i>	28° 44	89° 30.5
4/28/92	1910	Unid. dolphin	28° 44	89° 29.8
4/29/92	0825	Unid. dolphin	27° 26	89° 16.5
4/29/92	1520	Unid. cetacean	27° 52	88° 50.1
4/30/92	0727	<i>T. truncatus</i>	29° 11	88° 10
4/30/92	0823	<i>P. macrocephalus</i>	29° 60	88° 10
4/30/92	0830	<i>P. macrocephalus</i>	29° 40	88° 80
4/30/92	0854	Unid. dolphin	29° 30	88° 7.2
4/30/92	1054	<i>P. macrocephalus</i>	29° 00	88° 10
4/30/92	1102	<i>P. macrocephalus</i>	28° 59	88° 10
4/30/92	1126	<i>P. macrocephalus</i>	28° 57	88° 10.1
4/30/92	1158	Unid. dolphin	28° 53	88° 10
4/30/92	1240	<i>S. attenuata</i>	28° 49	88° 9.9
4/30/92	1258	Unid. dolphin	28° 49	88° 9.9
4/30/92	1610	Unid. cetacean	28° 37	87° 51.5
4/30/92	1645	Unid. dolphin	28° 33	87° 44.8
4/30/92	1814	<i>S. attenuata</i>	28° 31	87° 30
4/30/92	1838	<i>S. attenuata</i>	28° 34	87° 30
4/30/92	1850	<i>S. attenuata</i>	28° 34	87° 30
4/30/92	1911	Unid. sm. whale	28° 37	87° 29.8
4/30/92	1935	<i>Z. cavirostris</i>	28° 60	87° 29
4/30/92	1940	Unid sm. whale	28° 60	87° 29
5/19/92	1504	<i>S. bredanensis</i>	23° 46.94	96° 1.58
5/19/92	1923	Unid. dolphin	23° 40.72	95° 29.53
5/19/92	1923	Unid. sm. whale	23° 40.72	95° 29.53
5/24/92	0915	<i>L. hosei</i>	25° 13.98	96° 9.2
5/24/92	1259	<i>T. truncatus</i>	25° 34.02	96° 33.58
5/24/92	1344	<i>T. truncatus</i>	25° 42.37	96° 39.36

**Cruise #2**

8/11/92	1032	Unid. sm. whale	29° 11.05	88° 21.6
8/11/92	1540	Unid. dolphin	28° 26.83	87° 30.61
8/11/92	1608	Unid. dolphin	29° 27.3	87° 29.88
8/11/92	1852	Unid. dolphin	29° 10.3	87° 30.05

Date	Time	Species	Latitude	Longitude
8/12/92	1223	<i>S. longirostris</i>	28° 43.06	88° 10.03
8/12/92	1223	<i>S. attenuata</i>	28° 43.06	88° 10.03
8/12/92	1442	<i>S. attenuata</i>	28° 49	88° 09.9
8/12/92	1616	<i>S. coeruleoalba</i>	29° 00.11	88° 10.16
8/12/92	1656	Unid. dolphin	29° 03.88	88° 10.03
8/13/92	1152	<i>S. attenuata</i>	28° 05.14	88° 50.7
8/14/92	1654	<i>T. truncatus</i>	28° 38.05	89° 41.08
8/14/92	1830	Unid. dolphin	28° 28.04	89° 54.53
8/15/92	0019	Unid. dolphin	27° 53.54	90° 10.13
8/15/92	1020	Unid. Mesoplodon	27° 06.2	90° 13.16
8/16/92	0753	<i>T. truncatus</i>	28° 08.85	90° 49.96
8/16/92	1317	<i>T. truncatus</i>	28° 05.42	91° 30.04
8/16/92	1452	<i>T. truncatus</i>	27° 55.44	91° 30.01
8/16/92	1927	<i>P. macrocephalus</i>	27° 29	91° 29.9
8/17/92	0835	Unid. sm. whale	26° 26.83	91° 50.21
8/17/92	1710	Unid. Mesoplodon	26° 46.69	92° 9.44
8/18/92	1217	Unid. dolphin	27° 53.2	92° 49.97
8/19/92	1010	<i>P. electra</i>	26° 12.41	93° 9.44
8/19/92	1202	Unid. beaked whale	26° 10.5	93° 22.73
8/19/92	1223	Unid. beaked whale	26° 10.31	93° 26.2
8/19/92	1520	Unid. dolphin	26° 17.89	93° 29.21
8/19/92	1809	Unid. dolphin	26° 33.46	93° 20.9
8/20/92	0755	<i>T. truncatus</i>	27° 45.4	93° 29.98
8/20/92	1324	Unid. dolphin	27° 55.75	93° 58.36
8/20/92	1335	<i>T. truncatus</i>	27° 55.48	94° .43
8/20/92	1347	<i>T. truncatus</i>	27° 54.73	94° 5.39
8/20/92	1533	Unid. cetacean	27° 50.88	94° 10
8/20/92	1639	Unid. dolphin	27° 43.26	94° 9.96
8/20/92	1647	unid. cetacean	27° 42.25	94° 9.95
8/20/92	1653	<i>S. attenuata</i>	27° 41.58	94° 10
8/20/92	1653	<i>T. truncatus</i>	27° 41.58	94° 10
8/20/92	1653	unid. cetacean	27° 41.58	94° 10
8/20/92	1907	Unid. sm. whale	27° 29.76	94° 10.05
8/20/92	1912	Unid. dolphin	27° 29.72	94° 8.85
8/20/92	1955	Unid. beaked whale	27° 30	94° 9
8/22/92	0728	<i>T. truncatus</i>	27° 56	94° 51.26
8/22/92	0743	<i>T. truncatus</i>	27° 55.55	94° 53.41
8/22/92	0910	<i>T. truncatus</i>	27° 51.71	95° 7.77
8/22/92	0959	<i>S. frontalis</i>	27° 50.13	95° 15.3
8/22/92	1404	Unid. dolphin	27° 39.85	95° 29.92
8/22/92	1443	Unid. dolphin	27° 36.94	95° 29.96
8/22/92	2045	Unid. dolphin	27° 06.33	95° 30

**Cruise #3**

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11/10/92	0840	<i>T. truncatus</i>	29° 18.59	88°03.96
11/10/92	0938	<i>S. attenuata</i>	27° 50.72	88° 51.41
11/12/92	0650	<i>T. truncatus</i>	28° 36	89° 30
11/12/92	0740	<i>S. bredanensis</i>	28° 29.5	89° 30

Date	Time	Species	Latitude	Longitude
11/15/92	1506	<i>T. truncatus</i>	28° 50	91° 46.52
11/17/92	1621	<i>T. truncatus</i>	27° 53	93° 30
11/18/92	1225	Unid. beaked whale	26° 12	93° 47.9
11/18/92	2213	Unid. <i>Stenella</i> sp.	26° 46.67	94° 09.62
11/19/92	1022	<i>P. macrocephalus</i>	27° 39	94° 09.6
11/20/92	1232	<i>P. macrocephalus</i>	26° 90	95° 07.4

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**Cruise #4**

2/13/93	1947	<i>T. truncatus</i>	29° 14	88° 16.5
2/14/93	1023	<i>S. attenuata</i>	28° 40	88° 50
2/14/93	1201	Unid. sm. whale	27° 53.36	88° 50.57
2/14/93	1249	Unid. sm. whale	27° 49	88° 50.3
2/14/93	1253	Unid. sm. whale	27° 49	88° 50.3
2/14/93	1438	Unid. dolphin	27° 44	88° 50
2/14/93	1529	Unid. dolphin	27° 39	88° 50
2/15/93	0910	<i>S. attenuata</i>	28° 25	89° 29
2/15/93	1342	Unid. dolphin	28° 40	89° 36.5
2/16/93	0653	<i>S. attenuata</i>	27° 27.81	90° 09.93
2/16/93	1228	Unid. beaked whale	27° 01.48	90° 23.16
2/16/93	1530	Unid. dolphin	26° 45.7	90° 48.74
2/18/93	0132	<i>S. attenuata</i>	26° 55.4	91° 30.03
2/19/93	1651	<i>P. macrocephalus</i>	27° 36	92° 50.3
2/20/93	1428	<i>S. attenuata</i>	26° 10.61	93° 30.81
2/20/93	1716	<i>S. attenuata</i>	26° 25	93° 29.3
2/23/93	1444	<i>S. frontalis</i>	27° 49	95° 16
2/23/93	1444	<i>T. truncatus</i>	27° 49	95° 16
2/24/93	0712	<i>P. macrocephalus</i>	26° 33	95° 29.4

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**Cruise #5**

5/24/93	1744	<i>S. frontalis</i>	29° 11.8	88° 19.57
5/25/93	0834	<i>S. attenuata</i>	28° 31.21	87° 29.59
5/25/93	1158	<i>P. crassidens</i>	28° 34.6	87° 48.83
5/25/93	1158	unid. dolphin	28° 34.6	87° 48.83
5/25/93	1913	Unid. sm. whale	29° 40	88° 10
5/25/93	1917	<i>P. macrocephalus</i>	29° 40	88° 10
5/25/93	1917	unid. sm. whale	29° 40	88° 10
5/26/93	0524	<i>P. macrocephalus</i>	28° 40	88° 50
5/26/93	0616	Unid. dolphin	28° 37.05	88° 50.02
5/26/93	1023	Unid. <i>Mesoplodon</i>	28° 10.45	88° 49.88
5/26/93	1453	Unid. <i>Kogia</i>	27° 44	88° 51
5/26/93	1554	<i>S. attenuata</i>	27° 37.6	88° 50.24
5/26/93	1642	<i>P. macrocephalus</i>	27° 33.22	88° 50.14
5/26/93	1705	Unid. beaked whale	27° 29.7	88° 49.92
5/27/93	0651	<i>S. attenuata</i>	28° 22.11	89° 30.48
5/27/93	1857	Unid. dolphin	28° 09.87	90° 10.17
5/27/93	1928	<i>P. crassidens</i>	28° 70	90° 10.06
5/28/93	0559	<i>P. macrocephalus</i>	27° 01.13	90° 23.24

Date	Time	Species	Latitude	Longitude
5/28/93	0736	Unid. sm. whale	26° 52.36	90° 37.77
5/28/93	0959	<i>G. macrorhynchus</i>	26° 47.56	90° 57.18
5/28/93	1116	<i>Z. cavirostris</i>	26° 57.79	90° 50.5
5/28/93	1313	Unid. cetacean	27° 12.01	90° 50.16
5/28/93	1605	<i>S. attenuata</i>	27° 27	90° 50
5/28/93	1648	Unid. cetacean	27° 32.36	90° 50.36
5/28/93	1824	<i>S. attenuata</i>	27° 42	90° 50
5/29/93	0608	Unid. dolphin	27° 42.15	91° 30.03
5/29/93	1153	Unid. cetacean	27° 02.91	91° 30.19
5/29/93	1440	Unid. dolphin	26° 44	91° 29
5/29/93	1846	<i>P. macrocephalus</i>	26° 24	91° 57
5/29/93	1846	<i>S. attenuata</i>	26° 24	91° 57
5/30/93	0556	<i>S. attenuata</i>	27° 01.9	92° 10
5/30/93	0626	Unid. cetacean	27° 04.78	92° 09.99
5/30/93	0814	Unid. dolphin	27° 18	92° 10
5/30/93	0836	<i>S. coerulesoalba</i>	27° 20.31	92° 09.91
5/30/93	1017	Unid. cetacean	27° 27.28	92° 10.01
5/30/93	1018	<i>S. clymene</i>	27° 27.28	92° 10.01
5/30/93	1208	<i>T. truncatus</i>	27° 40.59	92° 10.01
5/30/93	1208	Unid. cetacean	27° 40.59	92° 10.01
5/30/93	1411	<i>T. truncatus</i>	27° 52.32	92° 10.01
5/30/93	1423	<i>P. crassidens</i>	27° 53.68	92° 9.98
5/30/93	1423	<i>T. truncatus</i>	27° 53.68	92° 9.98
5/30/93	1457	Unid. cetacean	27° 57.54	92° 9.94
5/30/93	1805	<i>T. truncatus</i>	28° 02.14	92° 34.83
5/30/93	1846	<i>T. truncatus</i>	28° 01.96	92° 42.95
5/31/93	0613	<i>S. clymene</i>	26° 52.14	92° 49.96
5/31/93	0657	<i>P. macrocephalus</i>	26° 47.73	92° 49.94
5/31/93	0759	<i>S. attenuata</i>	26° 44.34	92° 50.38
5/31/93	1154	<i>S. attenuata</i>	26° 16.72	92° 50.17
5/31/93	1747	Unid. cetacean	26° 13.23	93° 30.12
5/31/93	1916	<i>G. griseus</i>	26° 24.26	93° 30.18
6/1/93	1719	<i>P. macrocephalus</i>	27° 31.31	94° 09.84
6/1/93	1719	Unid. sm. whale	27° 31.31	94° 09.84
6/1/93	1913	<i>P. electra/L. hosei</i>	27° 26.71	94° 09.95
6/2/93	0618	<i>Z. cavirostris</i>	26° 22.56	94° 09.88
6/2/93	0638	<i>G. griseus</i>	26° 20.39	94° 09.88
6/2/93	0858	<i>S. frontalis</i>	28° 09.26	94° 04.9
6/2/93	0901	<i>S. clymene</i>	26° 17.23	94° 23.79
6/2/93	0927	<i>S. attenuata</i>	26° 16.97	94° 28.13
6/2/93	1028	<i>S. clymene</i>	26° 16.68	94° 38.85
6/2/93	1238	<i>P. macrocephalus</i>	26° 20.93	94° 49.9
6/2/93	1349	Unid. cetacean	26° 23	94° 50
6/2/93	1359	<i>P. macrocephalus</i>	26° 24	94° 50

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**Cruise #6**

8/28/93	0740	Unid. sm. whale		
8/28/93	0926	Unid. sm. whale	29° 20.1	87° 29.92

Date	Time	Species	Latitude	Longitude
8/28/93	0945	<i>P. macrocephalus</i>	29° 18.07	87° 29.96
8/28/93	1016	<i>P. macrocephalus</i>	29° 14.44	87° 29.9
8/28/93	1050	Unid. largewhale	29° 11.31	87° 29.84
8/28/93	1138	Unid. largewhale	29° 05.64	97° 29.96
8/28/93	1239	Unid. sm. whale	28° 58.24	87° 30.29
8/28/93	1341	Unid. dolphin	28° 51.02	87° 30.25
8/28/93	1414	<i>P. macrocephalus</i>	28° 48	87° 30
8/28/93	1414	<i>S. attenuata</i>	28° 48	87° 30
8/29/93	0714	<i>T. truncatus</i>	29° 14.44	88° 17.01
8/29/93	1341	<i>K. simus</i>	28° 46.25	88° 50.01
8/29/93	1419	<i>P. macrocephalus</i>	28° 42.48	88° 49.95
8/29/93	1503	<i>P. macrocephalus</i>	28° 37.77	88° 49.94
8/29/93	1523	<i>P. macrocephalus</i>	28° 35.4	88° 49.93
8/29/93	1827	Mesoplodon beaked sp	28° 22	88° 49
8/29/93	1838	<i>P. macrocephalus</i>	28° 21	88° 50
8/29/93	1850	Unid. dolphin	28° 19.73	88° 49.73
8/29/93	2121	Unid. dolphin	28° 03	88° 50
8/30/93	1208	Unid. Stenella/beaked	27° 48.73	89° 29.95
8/30/93	1336	Unid. sm. whale	27° 53.47	89° 30.09
8/30/93	1756	<i>P. macrocephalus</i>	28° 11.97	89° 30.01
8/31/93	1250	<i>S. attenuata</i>	27° 15.65	90° 10.06
8/31/93	1321	Unid. sm. whale	27° 11.96	90° 10.04
8/31/93	1739	<i>P. macrocephalus</i>	26° 50.93	90° 39.82
8/31/93	1902	<i>P. macrocephalus</i>	26° 44.83	90° 49.88
9/1/93	0806	<i>T. truncatus</i>	28° 05.21	90° 50.04
9/1/93	0837	<i>T. truncatus</i>	28° 06.33	90° 49.99
9/1/93	0843	<i>T. truncatus</i>	28° 06.87	90° 49.97
9/1/93	0848	<i>T. truncatus</i>	28° 07.49	90° 49.98
9/1/93	0927	<i>T. truncatus</i>	28° 08.91	90° 50.91
9/1/93	1030	<i>T. truncatus</i>	28° 08	91° 01.99
9/1/93	1200	<i>T. truncatus</i>	28° 07.89	91° 18.28
9/1/93	1212	<i>T. truncatus</i>	28° 07.78	91° 49.2
9/1/93	1406	<i>T. truncatus</i>	28° 03.75	91° 30.28
9/1/93	1408	<i>S. frontalis</i>	28° 03.25	91° 30.24
9/1/93	1506	<i>T. truncatus/unid. dol</i>	27° 55.05	91° 30.11
9/1/93	1533	<i>T. truncatus</i>	27° 52	91° 30
9/1/93	1538	Unid. dolphin	24° 50.83	91° 29.97
9/1/93	1546	<i>T. truncatus</i>	27° 49.34	91° 29.98
9/1/93	1621	Unid. dolphin	27° 44.11	91° 29.98
9/1/93	1820	Unid. Mesoplodon	27° 30.06	91° 30.28
9/2/93	0707	Unid. dolphin	26° 21.12	92° 01.15
9/2/93	0935	Unid. Kogia/beaked sp	26° 19.06	92° 09.21
9/2/93	1004	<i>K. breviceps</i>	26° 22.49	92° 09.74
9/2/93	1452	<i>G. griseus</i>	26° 47.5	92° 10.05
9/2/93	1528	<i>P. macrocephalus</i>	26° 48.1	92° 08.05
9/2/93	1740	Unid. cetacean	27° 01.65	92° 09.98
9/2/93	1754	Unid. beaked whale	27° 03.32	92° 09.98
9/2/93	1820	<i>P. macrocephalus</i>	27° 06.45	92° 10.05
9/2/93	1904	Unid. sm. whale	27° 11.1	92° 10.17

Date	Time	Species	Latitude	Longitude
9/2/93	1928	Unid. sm. whale	27° 14.22	92° 10.28
9/3/93	0645	<i>S. frontalis</i>	28° 02.06	92° 49.39
9/3/93	0717	<i>S. frontalis</i>	28° 01.51	92° 49.07
9/3/93	0809	<i>T. truncatus</i>	27° 55.4	92° 49.91
9/3/93	0853	Unid. dolphin	27° 50.98	92° 49.88
9/3/93	0954	<i>G. griseus</i>	27° 43.46	92° 50.08
9/3/93	1037	Unid. dolphin	27° 39.9	92° 49.79
9/3/93	1057	Unid. sm. whale	27° 38.18	92° 50.34
9/3/93	1218	Unid. sm. whale	27° 28.64	92° 49.98
9/3/93	1237	Unid. Kogia	27° 26.41	92° 50.01
9/3/93	1244	Unid. beaked whale	27° 25.87	92° 50.09
9/3/93	1811	Unid. cetacean	26° 52.28	92° 49.82
9/3/93	1858	Unid. sm. whale	26° 46.76	92° 49.95
9/3/93	1922	<i>P. macrocephalus</i>	26° 45.93	92° 49.61
9/4/93	1014	<i>L. hosei</i>	26° 34.49	93° 30.23
9/4/93	1055	<i>S. bredanensis</i>	26° 42.53	93° 29.96
9/4/93	1354	Unid. dolphin	26° 56.69	93° 29.9
9/4/93	1359	Unid. cetacean	26° 57.14	93° 29.89
9/4/93	1429	<i>P. macrocephalus</i>	27° 01	93° 29.89
9/4/93	2040	Unid. dolphin	27° 39.06	93° 30.19
9/5/93	0702	Unid. sm. whale	27° 27.2	94° 10.01
9/5/93	0817	Unid. cetacean	27° 23.53	94° 09.8
9/5/93	1100	Unid. dolphin	27° 2.94	94° 09.76
9/5/93	1158	Unid. dolphin	26° 55.8	94° 09.81
9/5/93	1539	Unid. cetacean	26° 34.16	94° 10.01
9/5/93	1623	Unid. Mesoplodon	26° 28.49	94° 09.87
9/5/93	1725	Unid. dolphin	26° 21.06	94° 09.8
9/5/93	1747	Unid. sm. whale	26° 17.96	94° 09.78
9/5/93	1844	Unid. dolphin	26° 17.09	94° 11.16
9/5/93	1851	<i>S. clymene</i>	26° 17.27	94° 12.39

**2.3 Shipboard Visual Survey Data (NMFS)**



Spring-Summer 1992 Cruise 199

Date	Time	Species	Latitude	Longitude
4/22/92	0713	<i>Physeter macrocephalus</i>	29° 34.52	86° 35.18
4/22/92	0748	<i>Balaenoptera borealis/edeni</i>	29° 31.82	86° 31.62
4/22/92	0748	<i>Balaenoptera edeni</i>	29° 31.82	86° 31.62
4/22/92	1052	<i>Tursiops truncatus</i>	29° 15.97	86° 16.14
4/22/92	1733	<i>Balaenoptera borealis/edeni</i>	28° 38.55	85° 38.26
4/23/92	0648	<i>Peponocephala/Feresa</i>	27° 05.40	84° 59.98
4/23/92	0726	<i>Stenella attenuata</i>	27° 01.89	85° 00.07
4/23/92	0934	<i>Stenella coeruleoalba</i>	26° 56.07	85° 00.29
4/23/92	1704	<i>Stenella attenuata</i>	25° 57.76	84° 55.48
4/23/92	1744	Unidentified dolphin	25° 58.40	84° 50.45
4/23/92	1903	Unidentified dolphin	25° 59.61	84° 36.97
4/24/92	0909	<i>Stenella attenuata</i>	24° 37.39	83° 59.84
4/24/92	1108	Unidentified dolphin	24° 29.92	84° 03.31
4/24/92	1119	<i>Physeter macrocephalus</i>	24° 30.06	84° 05.22
4/24/92	1135	<i>Physeter macrocephalus</i>	24° 29.23	84° 06.83
4/24/92	1148	<i>Stenella attenuata</i>	24° 29.04	84° 09.25
4/24/92	1205	<i>Physeter macrocephalus</i>	24° 28.06	84° 13.01
4/24/92	1534	<i>Stenella attenuata</i>	24° 30.26	84° 33.19
4/24/92	1613	<i>Stenella attenuata</i>	24° 30.98	84° 39.65
4/24/92	1633	Unidentified dolphin	24° 30.90	84° 43.28
4/24/92	1728	<i>Stenella attenuata</i>	24° 29.18	84° 51.79
4/24/92	1745	<i>Stenella attenuata</i>	24° 29.07	84° 54.38
4/24/92	1755	Unidentified dolphin	24° 28.91	84° 55.86
4/25/92	0933	<i>Kogia simus</i>	25° 20.84	86° 00.55
4/25/92	1005	<i>Pseudorca crassidens</i>	25° 25.97	86° 00.75
4/25/92	1040	<i>Kogia simus</i>	25° 28.40	86° 01.18
4/25/92	1256	<i>Physeter macrocephalus</i>	25° 30.87	86° 15.58
4/27/92	0724	<i>Stenella attenuata</i>	28° 20.56	87° 01.18
4/27/92	0726	<i>Stenella attenuata</i>	28° 20.07	87° 01.22
4/27/92	1223	<i>Stenella attenuata</i>	27° 41.77	87° 01.42
4/27/92	1301	<i>Stenella attenuata</i>	27° 36.46	87° 00.28
4/27/92	1532	<i>Stenella coeruleoalba</i>	27° 21.05	87° 03.14
4/27/92	1558	<i>Stenella attenuata</i>	27° 18.30	87° 03.19
4/27/92	1605	<i>Stenella attenuata</i>	27° 17.17	87° 02.88
4/27/92	1648	<i>Stenella attenuata</i>	27° 10.30	87° 01.41
4/29/92	0735	Unidentified odontocete	26° 00.39	89° 09.02
4/29/92	0028	<i>Physeter macrocephalus</i>	26° 10.00	89° 29.49
4/30/92	1026	Unidentified odontocete	26° 00.73	91° 00.10
4/30/92	1215	<i>Stenella coeruleoalba</i>	25° 58.41	91° 05.82
5/1/92	0722	<i>Stenella attenuata</i>	26° 00.92	90° 01.05
5/1/92	1543	<i>Mesoplodon sp.</i>	26° 23.39	93° 00.98
5/2/92	1706	<i>Tursiops truncatus</i>	27° 49.56	93° 12.06
5/2/92	1949	<i>Tursiops truncatus</i>	28° 01.24	92° 55.41
5/3/92	0713	<i>Tursiops truncatus</i>	28° 01.31	90° 59.43
5/3/92	0720	<i>Stenella frontalis</i>	28° 01.21	90° 57.94
5/3/92	0720	<i>Tursiops truncatus</i>	28° 01.21	90° 57.94
5/3/92	0739	Unidentified dolphin	28° 02.52	90° 54.79
5/3/92	0745	<i>Tursiops truncatus</i>	28° 02.09	90° 53.75

Date	Time	Species	Latitude	Longitude
5/3/92	0749	<i>Tursiops truncatus/Stenella frontalis</i>	28° 01.75	90° 52.93
5/3/92	0809	<i>Stenella frontalis</i>	28° 01.05	90° 51.99
5/3/92	0839	<i>Stenella frontalis</i>	28° 01.69	90° 46.25
5/3/92	0839	<i>Tursiops truncatus</i>	28° 01.69	90° 46.25
5/3/92	0908	<i>Tursiops truncatus</i>	27° 59.56	90° 41.46
5/3/92	0929	<i>Tursiops truncatus</i>	27° 58.22	90° 38.13
5/3/92	0947	<i>Tursiops truncatus</i>	27° 58.49	90° 34.46
5/3/92	1111	<i>Grampus griseus</i>	27° 59.08	90° 27.24
5/3/92	1148	<i>Grampus griseus</i>	27° 56.85	90° 23.63
5/3/92	1148	<i>Tursiops truncatus</i>	27° 56.85	90° 23.63
5/3/92	1354	<i>Grampus griseus</i>	27° 59.11	90° 09.50
5/3/92	1700	<i>Stenella attenuata</i>	28° 00.70	89° 50.03
5/3/92	1744	<i>Kogia breviceps</i>	28° 00.20	89° 42.64
5/4/92	0150	<i>Tursiops truncatus</i>	29° 35.84	88° 31.00
5/4/92	0157	<i>Tursiops truncatus</i>	29° 36.96	88° 31.03
5/4/92	0208	<i>Tursiops truncatus</i>	29° 38.78	88° 31.14
5/9/92	0835	<i>Tursiops truncatus</i>	29° 24.26	86° 27.73
5/9/92	1117	<i>Tursiops truncatus</i>	28° 57.15	86° 13.65
5/9/92	1135	<i>Tursiops truncatus</i>	28° 55.02	86° 12.66
5/9/92	1237	Unidentified dolphin	28° 45.80	86° 07.20
5/9/92	1256	<i>Tursiops truncatus</i>	28° 42.69	86° 05.74
5/9/92	1325	<i>Stenella longirostris</i>	28° 37.77	86° 03.46
5/9/92	1433	<i>Kogia simus</i>	28° 31.62	86° 01.38
5/9/92	1637	<i>Stenella longirostris</i>	28° 18.55	86° 00.38
5/9/92	1729	<i>Kogia simus</i>	28° 13.60	86° 04.54
5/9/92	1809	<i>Physeter macrocephalus</i>	28° 09.09	86° 02.81
5/9/92	1848	<i>Grampus griseus</i>	28° 03.44	86° 02.37
5/11/92	0702	Unidentified odontocete	26° 41.36	86° 59.08
5/11/92	1630	<i>Stenella attenuata</i>	27° 55.52	87° 00.72
5/11/92	1649	<i>Stenella coeruleoalba</i>	27° 58.48	87° 00.20
5/12/92	0624	<i>Grampus griseus</i>	29° 18.02	87° 33.73
5/12/92	0653	Unidentified odontocete	29° 18.70	87° 38.54
5/12/92	0656	<i>Tursiops truncatus</i>	29° 19.02	87° 38.97
5/12/92	0902	<i>Tursiops truncatus</i>	29° 28.94	87° 56.94
5/12/92	1022	<i>Tursiops truncatus</i>	29° 30.29	87° 59.85
5/12/92	1045	<i>Tursiops truncatus</i>	29° 27.18	88° 02.35
5/12/92	1146	Unidentified odontocete	29° 15.99	88° 01.29
5/12/92	1221	<i>Tursiops truncatus</i>	29° 09.52	88° 01.68
5/12/92	1233	<i>Grampus griseus</i>	29° 08.89	88° 02.15
5/12/92	1239	<i>Grampus griseus</i>	29° 08.68	88° 02.10
5/12/92	1506	<i>Kogia breviceps</i>	28° 58.45	88° 02.31
5/12/92	1853	Unidentified odontocete	28° 21.53	88° 01.25
5/13/92	0627	<i>Stenella attenuata</i>	26° 51.92	88° 01.11
5/13/92	0745	<i>Stenella attenuata</i>	26° 37.68	88° 00.98
5/13/92	0811	<i>Grampus griseus</i>	26° 32.95	88° 00.90
5/13/92	1022	<i>Physeter macrocephalus</i>	26° 25.80	87° 58.23
5/13/92	1229	<i>Mesoplodon sp.</i>	26° 09.24	87° 59.64
5/13/92	1244	<i>Mesoplodon sp.</i>	26° 07.70	87° 59.09
5/13/92	1324	<i>Physeter macrocephalus</i>	26° 05.22	87° 58.57

Date	Time	Species	Latitude	Longitude
5/13/92	1339	<i>Physeter macrocephalus</i>	26° 03.63	87° 59.81
5/13/92	1717	<i>Physeter macrocephalus</i>	26° 02.46	88° 02.24
5/13/92	1724	Unidentified dolphin	26° 02.64	88° 03.36
5/13/92	1812	<i>Stenella attenuata</i>	25° 59.41	88° 08.68
5/13/92	1825	<i>Physeter macrocephalus</i>	25° 59.94	88° 10.63
5/13/92	1847	Unidentified large whale	26° 00.27	88° 14.36
5/13/92	1856	<i>Stenella attenuata</i>	25° 59.85	88° 15.65
5/13/92	1919	<i>Stenella clymene</i>	25° 58.65	88° 17.53
5/13/92	1919	Unidentified dolphin	25° 58.65	88° 17.53
5/14/92	1047	<i>Stenella attenuata</i>	27° 08.79	89° 00.93
5/14/92	1207	Unidentified odontocete	27° 22.56	89° 01.05
5/14/92	1430	<i>Stenella attenuata</i>	27° 36.81	89° 01.06
5/14/92	1439	<i>Stenella attenuata</i>	27° 38.38	89° 01.26
5/14/92	1518	<i>Kogia simus</i>	27° 44.53	88° 58.85
5/14/92	1541	<i>Kogia breviceps</i>	27° 48.21	89° 00.20
5/14/92	1551	<i>Grampus griseus</i>	27° 49.62	88° 59.18
5/14/92	1625	<i>Grampus griseus</i>	27° 55.66	89° 01.20
5/14/92	1652	<i>Kogia sp.</i>	28° 00.05	89° 01.55
5/14/92	1655	<i>Mesoplodon sp.</i>	28° 00.63	89° 01.13
5/15/92	0610	<i>Tursiops truncatus</i>	28° 31.21	89° 58.05
5/15/92	0717	<i>Tursiops truncatus</i>	28° 28.23	90° 01.05
5/15/92	0806	<i>Tursiops truncatus</i>	28° 18.96	90° 00.90
5/15/92	0942	<i>Kogia sp.</i>	28° 18.92	89° 51.47
5/15/92	1048	<i>Kogia simus</i>	28° 25.48	89° 38.95
5/15/92	1055	<i>Stenella attenuata</i>	28° 26.12	89° 37.41
5/15/92	1136	<i>Grampus griseus</i>	28° 29.13	89° 31.04
5/15/92	1150	<i>Grampus griseus</i>	28° 28.57	89° 28.65
5/15/92	1206	<i>Tursiops truncatus</i>	28° 30.67	89° 25.94
5/15/92	1221	<i>Tursiops truncatus</i>	28° 32.28	89° 23.08
5/15/92	1326	<i>Tursiops truncatus</i>	28° 36.4	89° 14.01
5/15/92	1335	<i>Tursiops truncatus</i>	28° 37.32	89° 12.05
5/15/92	1347	Unidentified dolphin	28° 38.54	89° 09.71
5/15/92	1349	<i>Grampus griseus</i>	28° 38.63	89° 09.47
5/15/92	1400	Unidentified dolphin	28° 39.80	89° 07.29
5/15/92	1426	<i>Grampus griseus</i>	28° 42.27	89° 01.93
5/15/92	1441	<i>Kogia simus</i>	28° 44.50	89° 00.30
5/15/92	1448	Unidentified dolphin	28° 45.20	88° 59.04
5/15/92	1503	<i>Kogia simus</i>	28° 45.90	88° 56.73
5/15/92	1533	<i>Physeter macrocephalus</i>	28° 49.17	88° 50.90
5/15/92	1554	Unidentified odontocete	28° 50.59	88° 46.56
5/15/92	1603	<i>Grampus griseus</i>	28° 51.52	88° 44.68
5/15/92	1623	<i>Tursiops truncatus</i>	28° 53.52	88° 40.67
5/15/92	1627	<i>Kogia sp.</i>	28° 53.89	88° 39.94
5/15/92	1637	Unidentified odontocete	28° 54.89	88° 37.77
5/15/92	1641	<i>Kogia simus</i>	28° 55.26	88° 36.99
5/15/92	1641	<i>Kogia sp.</i>	28° 55.24	88° 37.10
5/15/92	1702	<i>Kogia simus</i>	28° 57.21	88° 32.93
5/15/92	1715	Unidentified dolphin	28° 59.45	88° 31.92
5/15/92	1750	<i>Tursiops truncatus</i>	29° 06.42	88° 31.20

Date	Time	Species	Latitude	Longitude
5/15/92	1831	<i>Tursiops truncatus</i>	29° 14.39	88° 31.41
5/15/92	1840	<i>Tursiops truncatus</i>	29° 16.10	88° 31.33
5/15/92	1849	<i>Tursiops truncatus</i>	29° 17.15	88° 32.67
5/15/92	1858	<i>Tursiops truncatus</i>	29° 18.92	88° 32.70
5/17/92	0659	<i>Stenella sp.</i>	28° 27.40	89° 23.07
5/17/92	0832	<i>Stenella attenuata</i>	28° 16.72	89° 36.99
5/17/92	1418	Unidentified odontocete	27° 36.06	90° 01.21
5/17/92	1521	<i>Stenella attenuata</i>	27° 29.77	90° 01.07
5/18/92	0855	<i>Stenella clymene</i>	26° 11.22	91° 01.06
5/18/92	1242	<i>Physeter macrocephalus</i>	26° 42.20	91° 00.68
5/18/92	1247	<i>Grampus griseus</i>	26° 43.05	91° 00.47
5/18/92	1316	<i>Stenella coeruleoalba</i>	26° 48.35	91° 01.40
5/18/92	1317	<i>Physeter macrocephalus</i>	26° 48.42	91° 01.39
5/18/92	1552	<i>Stenella attenuata</i>	27° 02.91	91° 01.17
5/18/92	1929	<i>Globicephala sp.</i>	27° 38.8	91° 02.65
5/20/92	0829	<i>Peponocephala electra</i>	27° 08.94	93° 00.90
5/20/92	1017	<i>Stenella clymene</i>	27° 16.07	93° 01.71
5/20/92	1439	<i>Stenella frontalis</i>	27° 59.11	93° 01.89
5/21/92	1039	<i>Steno bredanensis</i>	26° 02.08	94° 01.16
5/22/92	0805	<i>Tursiops truncatus</i>	27° 57.63	94° 59.84
5/22/92	0810	<i>Stenella frontalis</i>	27° 58.65	94° 59.86
5/22/92	1352	<i>Tursiops truncatus</i>	28° 00.77	95° 57.46
5/22/92	1713	Unidentified dolphin	27° 36.81	96° 00.04
5/23/92	0726	<i>Tursiops truncatus</i>	26° 10.04	96° 18.44
5/23/92	1133	<i>Kogia simus</i>	26° 43.58	96° 07.08
5/23/92	1709	<i>Stenella frontalis</i>	27° 35.16	95° 57.56
5/23/92	1709	<i>Tursiops truncatus</i>	27° 35.16	95° 57.56
5/23/92	1823	<i>Steno bredanensis</i>	27° 39.04	95° 58.57
5/24/92	0639	<i>Grampus griseus</i>	27° 36.82	95° 33.51
5/24/92	0652	<i>Tursiops truncatus</i>	27° 37.64	95° 32.69
5/24/92	1043	<i>Globicephala sp.</i>	27° 37.28	95° 05.36
5/24/92	1143	<i>Tursiops truncatus</i>	27° 42.93	94° 57.19
5/24/92	1235	<i>Kogia sp.</i>	27° 47.06	94° 54.37
5/24/92	1237	<i>Kogia simus</i>	27° 47.13	94° 54.07
5/24/92	1250	<i>Kogia sp.</i>	27° 48.14	94° 52.12
5/24/92	1427	<i>Kogia simus</i>	27° 48.33	94° 48.76
5/24/92	1544	<i>Grampus griseus</i>	27° 38.99	94° 39.69
5/24/92	1639	<i>Kogia breviceps</i>	27° 33.28	94° 34.93
5/24/92	1649	<i>Feresa attenuata</i>	27° 32.04	94° 33.82
5/24/92	1829	<i>Kogia sp.</i>	27° 36.85	94° 31.32
5/24/92	1837	<i>Kogia sp.</i>	27° 37.70	94° 31.66
5/24/92	1907	<i>Kogia simus</i>	27° 41.79	94° 29.65
5/24/92	1927	Unidentified odontocete	27° 45.45	94° 28.15
5/24/92	1943	Unidentified dolphin	27° 48.64	94° 27.37
5/27/92	1045	<i>Tursiops truncatus</i>	27° 28.67	95° 59.90
5/27/92	1052	beaked whale	27° 27.58	95° 59.94
5/27/92	1312	<i>Globicephala sp.</i>	27° 07.16	96° 00.28
5/27/92	1358	<i>Mesoplodon sp.</i>	27° 00.65	96° 00.38
5/27/92	1556	<i>Physeter macrocephalus</i>	26° 50.46	96° 00.68

Date	Time	Species	Latitude	Longitude
5/27/92	1629	Unidentified small whale	26° 45.19	96° 00.40
5/27/92	1722	<i>Steno bredanensis</i>	26° 36.64	95° 59.50
5/28/92	1534	<i>Stenella longirostris</i>	27° 28.11	95° 00.15
5/28/92	1705	<i>Stenella longirostris</i>	27° 34.38	94° 59.54
5/28/92	1829	Unidentified small whale	27° 44.25	94° 57.43
5/28/92	1941	<i>Stenella frontalis</i>	27° 55.87	94° 58.44
5/29/92	0819	Unidentified odontocete	27° 39.90	94° 30.19
5/29/92	0828	<i>Grampus griseus</i>	27° 38.20	94° 30.16
5/29/92	1813	<i>Feresa attenuata</i>	27° 12.98	94° 20.68
5/31/92	0917	<i>Steno bredanensis</i>	27° 48.28	94° 30.24
6/1/92	1157	<i>Stenella attenuata</i>	26° 49.30	93° 29.83
6/1/92	1356	<i>Mesoplodon desirostris</i>	27° 03.81	93° 30.04
6/1/92	1414	Unidentified odontocete	27° 06.18	93° 29.90
6/1/92	1508	<i>Stenella clymene</i>	27° 15.30	93° 29.63
6/1/92	1712	<i>Balaenoptera borealis/edeni</i>	27° 33.68	93° 29.98
6/2/92	1037	<i>Stenella attenuata</i>	27° 29.67	92° 30.07
6/3/92	1118	<i>Tursiops truncatus</i>	28° 45.99	89° 50.64
6/3/92	1243	<i>Grampus griseus</i>	28° 30.80	89° 50.35
6/3/92	1506	<i>Tursiops truncatus</i>	28° 07.31	89° 47.20
6/3/92	1913	<i>Steno bredanensis</i>	27° 32.26	89° 55.87
6/4/92	0625	Unidentified odontocete	27° 57.48	90° 58.83
6/4/92	0745	<i>Stenella attenuata</i>	27° 43.23	90° 59.66
6/4/92	1047	<i>Stenella attenuata</i>	27° 17.41	90° 59.81
6/4/92	1238	<i>Stenella attenuata</i>	27° 00.19	90° 59.93
6/4/92	1503	<i>Grampus griseus</i>	26° 47.10	90° 59.84
6/4/92	1541	Unidentified odontocete	26° 42.78	90° 59.84
6/4/92	1555	<i>Stenella coeruleoalba</i>	26° 41.30	91° 00.59
6/4/92	1757	<i>Lagenodelphis hosei</i>	26° 22.34	91° 00.08
6/4/92	1757	<i>Peponocephala electra</i>	26° 22.34	91° 00.08
6/4/92	1808	<i>Physeter macrocephalus</i>	26° 20.61	91° 00.56
6/4/92	1912	Unidentified dolphin	26° 13.99	91° 03.40
6/4/92	1921	Unidentified dolphin	26° 12.39	91° 02.95
6/5/92	0654	<i>Mesoplodon sp.</i>	26° 37.05	89° 59.82
6/5/92	0736	<i>Stenella clymene</i>	26° 41.63	90° 02.32
6/5/92	0805	<i>Kogia sp.</i>	26° 45.60	90° 01.96
6/5/92	0815	<i>Kogia simus</i>	26° 47.33	90° 01.70
6/5/92	0832	<i>Kogia simus</i>	26° 49.20	90° 02.52
6/5/92	0837	<i>Stenella attenuata</i>	26° 49.73	90° 02.52
6/5/92	0910	<i>Orcinus orca</i>	26° 52.07	90° 06.54
6/5/92	1204	<i>Stenella attenuata</i>	27° 14.01	89° 59.59
6/5/92	1217	<i>Kogia sp.</i>	27° 16.23	90° 00.45
6/5/92	1232	<i>Kogia sp.</i>	27° 19.06	90° 00.35
6/5/92	1252	<i>Stenella attenuata</i>	27° 22.91	90° 00.22
6/5/92	1331	<i>Peponocephala electra</i>	27° 28.40	89° 59.37
6/5/92	1559	<i>Kogia breviceps</i>	27° 42.50	90° 00.46
6/5/92	1612	Unidentified odontocete	27° 45.15	90° 00.00
6/5/92	1628	<i>Stenella clymene</i>	27° 48.16	89° 59.37
6/5/92	1647	<i>Kogia simus</i>	27° 50.80	89° 59.70
6/5/92	1704	Unidentified dolphin	27° 54.09	89° 59.34

Date	Time	Species	Latitude	Longitude
6/5/92	1723	Unidentified dolphin	27° 57.67	90° 00.28
6/5/92	1725	Unidentified dolphin	27° 58.02	90° 00.38
6/5/92	1729	Unidentified dolphin	27° 58.70	90° 00.57
6/5/92	1853	<i>Tursiops truncatus</i>	28° 13.98	89° 59.17
6/5/92	1937	<i>Tursiops truncatus</i>	28° 21.79	89° 55.45
6/6/92	0617	<i>Tursiops truncatus</i>	28° 58.52	88° 59.49
6/6/92	0705	<i>Grampus griseus</i>	28° 50.28	89° 00.21
6/6/92	0719	<i>Grampus griseus</i>	28° 48.64	88° 59.54
6/6/92	0748	Unidentified dolphin	28° 44.52	88° 59.80
6/6/92	0930	<i>Physeter macrocephalus</i>	28° 28.88	88° 59.54
6/6/92	1004	<i>Physeter macrocephalus</i>	28° 23.31	89° 00.44
6/6/92	1109	Unidentified odontocete	28° 11.65	89° 00.06
6/6/92	1151	Unidentified dolphin	28° 05.76	88° 59.82
6/6/92	1307	<i>Stenella attenuata</i>	27° 52.47	88° 59.75
6/6/92	1441	<i>Stenella coeruleoalba</i>	27° 45.26	88° 59.76
6/6/92	1510	<i>Kogia sp.</i>	27° 43.14	88° 59.92
6/6/92	1523	Unidentified dolphin	27° 40.81	88° 59.85
6/6/92	1545	Unidentified dolphin	27° 39.03	89° 02.76
6/6/92	1547	<i>Stenella attenuata</i>	27° 38.75	89° 02.81
6/6/92	1900	<i>Stenella attenuata</i>	27° 09.83	88° 58.94
6/6/92	1906	<i>Kogia simus</i>	27° 09.24	88° 59.78
6/7/92	1603	<i>Stenella longirostris</i>	28° 34.49	88° 30.01
6/7/92	1629	beaked whale	28° 35.73	88° 29.49
6/7/92	1644	<i>Stenella attenuata</i>	28° 37.83	88° 29.60
6/7/92	1728	Unidentified dolphin	28° 43.66	88° 30.15
6/7/92	1822	<i>Stenella longirostris</i>	28° 52.33	88° 29.72

#### Winter 1993 Cruise 203

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1/6/93	0108	Unidentified dolphin	28° 51.42	87° 44.95
1/6/93	1337	<i>Stenella attenuata</i>	28° 27.12	87° 44.31
1/6/93	0171	Unidentified dolphin	27° 54.13	87° 44.95
1/6/93	0749	<i>Physeter macrocephalus</i>	29° 11.53	87° 44.88
1/6/93	0755	<i>Physeter macrocephalus</i>	29° 10.86	87° 44.81
1/6/93	0944	<i>Stenella coeruleoalba</i>	28° 54.58	87° 44.45
1/7/93	1348	<i>Stenella frontalis</i>	29° 07.34	88° 35.32
1/7/93	1557	Unidentified dolphin	29° 02.42	88° 38.08
1/8/93	0659	<i>Tursiops truncatus</i>	28° 43.26	89° 30.99
1/8/93	0759	<i>Stenella frontalis</i>	28° 34.01	89° 31.45
1/9/93	0077	<i>Stenella attenuata</i>	26° 39.57	90° 41.68
1/9/93	0954	Unidentified odontocete	27° 06.62	90° 42.05
1/12/93	1028	<i>Stenella attenuata</i>	27° 33.31	93° 02.99
1/12/93	1718	<i>Peponocephala electra</i>	26° 36.39	93° 03.04
1/12/93	0753	<i>Stenella frontalis</i>	27° 55.28	93° 04.18
1/12/93	0911	<i>Stenella frontalis</i>	27° 42.97	93° 03.21
1/12/93	0950	Unidentified dolphin	27° 39.63	93° 02.99
1/16/93	1119	Unidentified odontocete	27° 51.45	95° 09.57
1/21/93	0725	<i>Tursiops truncatus</i>	27° 53.98	94° 18.33
1/22/93	1457	<i>Physeter macrocephalus</i>	27° 21.79	93° 24.97

Date	Time	Species	Latitude	Longitude
1/22/93	1526	<i>Globicephala sp.</i>	27° 26.06	93° 24.38
1/22/93	1554	<i>Globicephala sp.</i>	27° 27.55	93° 25.93
1/23/93	1032	Unidentified dolphin	27° 32.00	92° 32.06
1/24/93	0710	<i>Stenella frontalis</i>	28° 36.30	92° 29.42
1/26/93	0103	<i>Stenella sp.</i>	27° 40.04	90° 46.01
1/26/93	0123	Unidentified dolphin	27° 19.78	90° 46.07
1/28/93	1223	<i>Stenella clymene</i>	28° 10.61	88° 59.95
2/2/93	1323	<i>Physeter macrocephalus</i>	28° 21.16	87° 59.79
2/4/93	1028	<i>Stenella attenuata</i>	28° 17.23	89° 46.09
2/4/93	0717	<i>Stenella frontalis</i>	28° 36.96	89° 45.52
2/4/93	0934	<i>Tursiops truncatus</i>	28° 21.73	89° 49.71
2/5/93	1330	<i>Stenella attenuata</i>	27° 28.67	90° 38.84
2/5/93	0658	<i>Stenella attenuata</i>	26° 39.06	90° 39.38
2/7/93	1131	<i>Stenella coeruleoalba</i>	27° 17.62	92° 24.92
2/8/93	1133	<i>Physeter macrocephalus</i>	27° 24.23	93° 16.26
2/8/93	0114	<i>Kogia breviceps</i>	27° 26.24	93° 17.91
2/8/93	1324	<i>Physeter macrocephalus</i>	27° 15.84	93° 18.00
2/8/93	1342	Unidentified dolphin	27° 16.20	93° 18.88
2/8/93	1412	<i>Physeter macrocephalus</i>	27° 12.79	93° 17.97
2/8/93	1519	<i>Physeter macrocephalus</i>	27° 05.09	93° 17.71
2/8/93	1645	<i>Physeter macrocephalus</i>	26° 52.26	93° 18.30
2/8/93	1718	beaked whale	26° 47.57	93° 18.59
2/8/93	0744	<i>Tursiops truncatus</i>	27° 55.70	93° 18.30
2/8/93	0913	<i>Tursiops truncatus</i>	27° 43.50	93° 17.94
2/9/93	0181	Unidentified dolphin	27° 53.18	94° 11.57
2/10/93	1616	<i>Stenella clymene</i>	27° 17.05	95° 04.17

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**Spring-Summer 1993 Cruise 204**

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5/4/93	1057	<i>Tursiops truncatus</i>	28° 05.51	90° 38.81
5/4/93	1132	<i>Stenella frontalis</i>	28° 03.12	90° 44.47
5/4/93	1155	<i>Tursiops truncatus</i>	28° 01.04	90° 47.57
5/4/93	1236	<i>Stenella frontalis</i>	27° 59.86	90° 54.34
5/4/93	1333	<i>Tursiops truncatus</i>	27° 54.33	91° 01.62
5/4/93	1444	Unidentified odontocete	27° 50.36	91° 12.03
5/4/93	0149	Unidentified dolphin	27° 52.12	91° 06.32
5/4/93	1545	<i>Orcinus orca</i>	27° 46.82	91° 20.87
5/4/93	1653	<i>Stenella longirostris</i>	27° 42.58	91° 20.69
5/4/93	1938	Unidentified large whale	27° 35.44	91° 49.36
5/4/93	0655	<i>Stenella frontalis</i>	28° 20.98	90° 02.11
5/4/93	0068	<i>Stenella frontalis</i>	28° 23.61	89° 55.83
5/4/93	0831	<i>Tursiops truncatus</i>	28° 14.45	90° 17.47
5/4/93	0831	Unidentified dolphin	28° 14.45	90° 17.47
5/5/93	1149	<i>Stenella clymene</i>	26° 33.37	94° 15.72
5/6/93	1819	<i>Globicephala sp.</i>	27° 07.27	95° 30.63
5/6/93	1819	Unidentified dolphin	27° 07.27	95° 30.63
5/7/93	1420	<i>Stenella attenuata</i>	26° 58.63	94° 35.18
5/8/93	1627	<i>Stenella attenuata</i>	27° 21.29	93° 36.62
5/8/93	1837	<i>Tursiops truncatus</i>	27° 41.16	93° 39.12

Date	Time	Species	Latitude	Longitude
5/8/93	0735	Unidentified dolphin	26° 10.83	93° 38.51
5/8/93	0846	<i>Stenella clymene</i>	26° 22.85	93° 38.34
5/9/93	0853	<i>Grampus griseus</i>	27° 46.24	92° 43.57
5/9/93	0916	<i>Grampus griseus</i>	27° 46.00	92° 44.28
5/10/93	1226	Unidentified odontocete	26° 52.35	91° 47.09
5/10/93	1336	Unidentified dolphin	27° 03.63	91° 46.14
5/10/93	0144	<i>Stenella clymene</i>	27° 06.87	91° 46.20
5/10/93	0154	<i>Stenella clymene</i>	27° 11.34	91° 48.87
5/10/93	1558	<i>Stenella clymene</i>	27° 15.53	91° 46.76
5/10/93	0739	<i>Stenella attenuata</i>	26° 15.79	91° 45.73
5/11/93	1154	<i>Stenella attenuata</i>	27° 21.76	90° 50.48
5/11/93	1315	<i>Stenella attenuata</i>	27° 07.86	90° 51.29
5/11/93	1415	<i>Stenella attenuata</i>	26° 57.60	90° 51.06
5/11/93	1630	<i>Stenella coeruleoalba</i>	26° 42.22	90° 52.55
5/11/93	1632	Unidentified dolphin	26° 41.85	90° 52.52
5/11/93	1632	Unidentified odontocete	26° 41.85	90° 52.52
5/11/93	1635	Unidentified odontocete	26° 41.39	90° 52.49
5/11/93	1647	<i>Kogia simus</i>	26° 39.65	90° 52.32
5/11/93	1726	Unidentified dolphin	26° 36.45	90° 51.56
5/11/93	1730	<i>Stenella attenuata</i>	26° 35.78	90° 51.46
5/11/93	1834	<i>Steno bredanensis</i>	26° 26.27	90° 50.91
5/11/93	1929	Unidentified dolphin	26° 19.79	90° 51.46
5/11/93	0198	<i>Stenella attenuata</i>	26° 22.69	90° 50.80
5/12/93	1015	Unidentified dolphin	28° 33.14	90° 05.23
5/12/93	1019	<i>Tursiops truncatus</i>	28° 33.81	90° 05.25
5/12/93	1051	<i>Tursiops truncatus</i>	28° 40.40	90° 05.63
5/12/93	1055	<i>Tursiops truncatus</i>	28° 41.38	90° 05.67
5/12/93	1126	<i>Tursiops truncatus</i>	28° 47.66	90° 05.80
5/12/93	1132	<i>Tursiops truncatus</i>	28° 48.81	90° 05.79
5/12/93	1147	<i>Tursiops truncatus</i>	28° 51.89	90° 05.83
5/12/93	1150	<i>Tursiops truncatus</i>	28° 52.38	90° 05.82
5/12/93	0121	<i>Tursiops truncatus</i>	28° 54.61	90° 05.79
5/12/93	1346	<i>Tursiops truncatus</i>	29° 12.11	89° 54.06
5/12/93	1712	<i>Tursiops truncatus</i>	28° 40.20	89° 52.35
5/12/93	1749	<i>Tursiops truncatus/Stenella frontalis</i>	28° 34.66	89° 51.33
5/12/93	0631	<i>Stenella sp.</i>	27° 52.35	90° 16.28
5/12/93	0091	<i>Tursiops truncatus/Stenella frontalis</i>	28° 18.55	90° 08.72
5/14/93	0103	Unidentified dolphin	27° 37.99	88° 57.20
5/14/93	1433	Unidentified small whale	28° 13.17	88° 57.49
5/14/93	1746	<i>Grampus griseus</i>	28° 35.17	88° 57.83
5/14/93	1816	Unidentified dolphin	28° 39.82	88° 59.31
5/14/93	1819	Unidentified dolphin	28° 40.37	88° 59.22
5/14/93	1829	<i>Grampus griseus</i>	28° 41.83	88° 58.90
5/14/93	1855	Unidentified dolphin	28° 46.05	88° 58.04
5/14/93	1926	<i>Tursiops truncatus</i>	28° 49.55	88° 57.18
5/15/93	1022	<i>Stenella attenuata</i>	28° 47.82	88° 02.04
5/15/93	1214	<i>Physeter macrocephalus</i>	28° 39.27	88° 01.27
5/15/93	1236	<i>Stenella attenuata</i>	28° 35.83	88° 01.76
5/15/93	1247	<i>Ziphius cavirostris</i>	28° 33.83	88° 01.98



Date	Time	Species	Latitude	Longitude
5/15/93	1255	<i>Stenella coeruleoalba</i>	28° 33.11	88° 02.01
5/15/93	1256	<i>Grampus griseus</i>	28° 33.01	88° 02.02
5/15/93	1331	<i>Stenella attenuata</i>	28° 28.34	88° 01.85
5/15/93	1334	<i>Mesoplodon sp.</i>	28° 27.79	88° 01.90
5/15/93	1621	<i>Stenella attenuata</i>	28° 07.56	88° 02.10
5/15/93	1650	<i>Grampus griseus</i>	28° 03.45	88° 01.19
5/15/93	1711	<i>Stenella attenuata</i>	28° 00.13	88° 01.29
5/15/93	1913	<i>Mesoplodon sp.</i>	27° 42.61	88° 00.79
5/15/93	0557	<i>Tursiops truncatus/Stenella frontalis</i>	29° 21.71	88° 02.16
5/15/93	0060	<i>Tursiops truncatus</i>	29° 21.32	88° 02.17
5/15/93	0613	<i>Tursiops truncatus</i>	29° 20.49	88° 02.20
5/15/93	0632	<i>Tursiops truncatus</i>	29° 17.75	88° 02.83
5/15/93	0643	<i>Grampus griseus</i>	29° 15.86	88° 02.61
5/15/93	0643	<i>Tursiops truncatus</i>	29° 15.86	88° 02.61
5/15/93	0066	<i>Tursiops truncatus</i>	29° 20.38	88° 02.16
5/15/93	0721	<i>Physeter macrocephalus</i>	29° 10.91	88° 00.35
5/15/93	0721	<i>Stenella coeruleoalba</i>	29° 10.91	88° 00.35
5/15/93	0820	<i>Kogia simus</i>	29° 06.38	88° 04.66
5/15/93	0834	<i>Kogia simus</i>	29° 04.40	88° 05.49
5/15/93	0085	<i>Stenella coeruleoalba</i>	29° 07.27	88° 05.74
5/15/93	0859	Unidentified large whale	29° 01.15	88° 05.22
5/15/93	0916	Unidentified dolphin	28° 58.35	88° 04.23
5/15/93	0095	Unidentified odontocete	29° 00.17	88° 04.89
5/16/93	1119	<i>Physeter macrocephalus</i>	28° 39.88	87° 05.88
5/16/93	1124	<i>Kogia simus</i>	28° 40.70	87° 05.87
5/16/93	1210	<i>Kogia simus</i>	28° 45.38	87° 05.79
5/16/93	1218	<i>Kogia simus</i>	28° 46.15	87° 04.93
5/16/93	1243	Unidentified dolphin	28° 49.27	87° 06.19
5/16/93	1313	Unidentified odontocete	28° 54.10	87° 05.77
5/16/93	1323	<i>Kogia simus</i>	28° 55.59	87° 06.08
5/16/93	0137	beaked whale	28° 53.16	87° 05.79
5/16/93	0141	<i>Stenella coeruleoalba</i>	28° 58.33	87° 08.71
5/16/93	1410	<i>Stenella sp.</i>	28° 59.46	87° 07.62
5/16/93	1411	Unidentified dolphin	28° 59.56	87° 07.56
5/16/93	1451	Unidentified dolphin	29° 01.39	87° 05.90
5/16/93	0148	<i>Stenella attenuata</i>	28° 59.15	87° 07.78
5/16/93	0151	<i>Physeter macrocephalus</i>	29° 03.08	87° 05.83
5/16/93	1510	<i>Stenella attenuata</i>	29° 04.58	87° 05.75
5/16/93	1516	Unidentified dolphin	29° 05.75	87° 05.74
5/16/93	1519	<i>Stenella attenuata</i>	29° 06.21	87° 05.73
5/16/93	1522	<i>Stenella attenuata</i>	29° 06.67	87° 05.79
5/16/93	1554	<i>Stenella attenuata</i>	29° 10.75	87° 08.67
5/16/93	1612	<i>Stenella attenuata</i>	29° 12.90	87° 08.60
5/16/93	1612	<i>Stenella longirostris</i>	29° 12.90	87° 08.60
5/16/93	1718	<i>Stenella longirostris</i>	29° 16.06	87° 08.02
5/16/93	1750	Unidentified dolphin	29° 19.34	87° 07.58
5/16/93	1755	<i>Tursiops truncatus</i>	29° 20.12	87° 07.24
5/16/93	1921	<i>Stenella frontalis</i>	29° 33.39	87° 05.57
5/16/93	2460	Unidentified small whale	84° 96.28	70° 61.01

Date	Time	Species	Latitude	Longitude
5/16/93	0640	<i>Stenella attenuata</i>	28° 02.03	87° 04.81
5/19/93	0104	<i>Grampus griseus</i>	28° 59.15	86° 22.61
5/19/93	0104	Unidentified dolphin	28° 59.15	86° 22.61
5/19/93	1116	<i>Tursiops truncatus</i>	29° 00.32	86° 10.59
5/19/93	0113	Unidentified dolphin	29° 00.14	86° 12.67
5/19/93	1132	<i>Tursiops truncatus</i>	29° 00.80	86° 07.75
5/19/93	1348	<i>Grampus griseus</i>	28° 57.31	85° 57.39
5/19/93	1439	Unidentified dolphin	28° 51.38	85° 51.34
5/19/93	1524	Unidentified dolphin	28° 46.17	85° 46.30
5/19/93	1846	<i>Grampus griseus</i>	28° 29.30	85° 32.90
5/19/93	0080	<i>Stenella attenuata</i>	29° 02.53	86° 30.07
5/19/93	0941	<i>Tursiops truncatus</i>	28° 59.63	86° 26.62
5/20/93	1044	<i>Grampus griseus</i>	26° 55.72	85° 58.81
5/20/93	1055	Unidentified dolphin	26° 53.71	85° 58.96
5/20/93	1129	<i>Physeter macrocephalus</i>	26° 49.97	85° 56.23
5/20/93	1139	<i>Stenella attenuata</i>	26° 48.04	85° 56.96
5/20/93	1211	<i>Peponocephala electra</i>	26° 41.73	85° 59.11
5/20/93	0143	<i>Stenella attenuata</i>	26° 30.99	86° 00.54
5/20/93	1521	<i>Stenella attenuata</i>	26° 27.25	86° 00.14
5/20/93	1529	<i>Feresa attenuata</i>	26° 25.25	86° 00.94
5/20/93	1629	Unidentified dolphin	26° 15.58	86° 02.11
5/21/93	1919	<i>Stenella attenuata</i>	26° 18.04	87° 00.14
5/22/93	0133	<i>Stenella attenuata</i>	27° 10.00	88° 00.07
5/22/93	1454	<i>Stenella attenuata</i>	27° 28.61	88° 00.10
5/23/93	1148	<i>Tursiops truncatus</i>	29° 25.10	87° 50.57
5/23/93	0131	<i>Tursiops truncatus</i>	29° 20.04	87° 39.94
5/23/93	1313	<i>Tursiops truncatus</i>	29° 19.54	87° 39.27
5/23/93	1443	beaked whale	29° 13.21	87° 26.36
5/23/93	1517	<i>Stenella attenuata</i>	29° 10.68	87° 21.48
5/23/93	1915	<i>Stenella attenuata</i>	28° 58.55	86° 59.83
5/24/93	1616	Unidentified dolphin	27° 28.32	87° 37.84
5/25/93	1120	<i>Stenella clymene</i>	27° 07.19	88° 59.76
5/26/93	1225	<i>Stenella longirostris</i>	26° 52.65	90° 00.18
5/26/93	1259	<i>Stenella attenuata</i>	26° 57.28	89° 59.99
5/26/93	1537	Unidentified dolphin	27° 09.88	90° 00.07
5/26/93	1621	<i>Stenella attenuata</i>	27° 17.35	90° 00.02
5/26/93	0813	<i>Stenella attenuata</i>	26° 17.69	90° 00.07
5/26/93	0828	<i>Stenella attenuata</i>	26° 20.65	90° 00.12
5/27/93	0121	Unidentified dolphin	27° 07.06	91° 00.05
5/27/93	1242	<i>Ziphius cavirostris</i>	27° 00.83	91° 00.17
5/27/93	1639	<i>Stenella clymene</i>	26° 42.28	91° 01.48
5/27/93	1919	<i>Stenella coeruleoalba</i>	26° 27.85	91° 00.13
5/27/93	0915	<i>Stenella attenuata</i>	27° 30.22	91° 00.11
5/28/93	1154	<i>Ziphius cavirostris</i>	26° 34.34	92° 00.01
5/28/93	1346	Unidentified large whale	26° 52.83	92° 00.11
5/29/93	1012	<i>Steno bredanensis</i>	27° 49.18	93° 00.13
5/29/93	0148	Unidentified dolphin	27° 18.91	93° 00.08
5/29/93	1546	beaked whale	27° 05.02	93° 00.13
5/29/93	1838	Unidentified large whale	26° 50.54	93° 00.18

Date	Time	Species	Latitude	Longitude
5/29/93	0622	<i>Tursiops truncatus</i>	28° 00.35	92° 44.91
5/30/93	1057	<i>Kogia simus</i>	26° 16.46	94° 00.23
5/30/93	1057	<i>Kogia sp.</i>	26° 16.46	94° 00.23
5/30/93	1145	<i>Stenella attenuata</i>	26° 24.64	94° 00.03
5/30/93	1157	<i>Kogia breviceps</i>	26° 26.55	94° 00.09
5/30/93	1315	Unidentified odontocete	26° 32.39	93° 59.95
5/30/93	1333	<i>Stenella attenuata</i>	26° 34.55	94° 00.60
5/30/93	1443	<i>Stenella clymene</i>	26° 43.32	94° 00.14
5/30/93	1454	Unidentified large whale	26° 45.25	94° 00.22
5/30/93	1610	Unidentified odontocete	26° 54.48	94° 00.01
5/30/93	1610	beaked whale	26° 54.48	94° 00.01
5/30/93	1637	<i>Mesoplodon sp.</i>	26° 56.19	94° 01.74
5/30/93	1835	<i>Mesoplodon sp.</i>	27° 02.20	93° 59.79
5/30/93	1927	<i>Stenella attenuata</i>	27° 07.86	93° 59.02
5/30/93	0627	<i>Stenella attenuata</i>	26° 00.22	93° 51.07
5/30/93	0854	<i>Grampus griseus</i>	26° 00.34	93° 59.54
5/30/93	0957	<i>Kogia simus</i>	26° 06.81	94° 00.33
5/30/93	0096	<i>Kogia simus</i>	26° 20.00	94° 00.23
5/31/93	1332	Unidentified dolphin	27° 21.72	95° 00.33
5/31/93	0135	Unidentified dolphin	27° 26.51	95° 00.26
5/31/93	1515	<i>Stenella coeruleoalba</i>	27° 06.70	95° 00.10
5/31/93	1913	<i>Physeter macrocephalus</i>	26° 46.31	95° 00.13
5/31/93	1927	<i>Physeter macrocephalus</i>	26° 43.93	95° 00.17
6/1/93	1447	<i>Kogia sp.</i>	26° 27.23	96° 04.26
6/1/93	0625	<i>Stenella attenuata</i>	26° 00.80	95° 42.08
6/1/93	0817	<i>Mesoplodon sp.</i>	26° 01.61	95° 58.15
6/1/93	0826	<i>Peponocephala electra</i>	26° 01.33	95° 59.67
6/1/93	0826	<i>Steno bredanensis</i>	26° 01.33	95° 59.67
6/2/93	1111	<i>Stenella frontalis</i>	27° 49.55	95° 32.10
6/2/93	1342	<i>Tursiops truncatus</i>	28° 07.58	95° 14.20
6/2/93	1521	<i>Tursiops truncatus</i>	28° 19.82	95° 20.00
6/2/93	1648	<i>Tursiops truncatus</i>	28° 31.35	94° 51.82
6/2/93	0171	<i>Tursiops truncatus</i>	28° 32.68	94° 51.49
6/5/93	0117	<i>Stenella attenuata</i>	27° 21.39	93° 00.35
6/5/93	1857	<i>Stenella clymene</i>	26° 21.92	93° 00.08
6/6/93	1038	<i>Stenella frontalis</i>	28° 40.48	94° 17.48
6/6/93	0837	Unidentified dolphin	28° 21.91	94° 04.30
6/8/93	1122	<i>Physeter macrocephalus</i>	27° 10.79	90° 00.07
6/8/93	1448	<i>Stenella attenuata</i>	27° 47.63	90° 00.00
6/8/93	1454	<i>Orcinus orca</i>	27° 48.79	89° 59.93
6/8/93	1832	<i>Stenella attenuata</i>	28° 04.73	89° 59.57
6/8/93	0631	<i>Stenella sp.</i>	26° 33.87	89° 59.39
6/8/93	0833	<i>Physeter macrocephalus</i>	26° 56.57	90° 00.17
6/9/93	1021	<i>Stenella attenuata</i>	28° 21.60	88° 59.99
6/9/93	1211	Unidentified dolphin	28° 11.05	89° 00.83
6/9/93	1231	<i>Stenella attenuata</i>	28° 08.01	89° 00.10
6/9/93	1326	<i>Kogia simus</i>	28° 02.48	88° 59.99
6/9/93	1342	<i>Stenella attenuata</i>	28° 00.67	88° 59.85
6/9/93	1611	<i>Stenella attenuata</i>	27° 56.56	88° 59.89

Date	Time	Species	Latitude	Longitude
6/9/93	1813	<i>Orcinus orca</i>	27° 36.23	89° 00.06
6/9/93	0752	Unidentified dolphin	28° 42.49	89° 00.00
6/9/93	0943	<i>Stenella attenuata</i>	28° 27.43	89° 00.13
6/10/93	1914	<i>Stenella attenuata</i>	26° 13.20	87° 10.08
6/10/93	0840	Unidentified odontocete	26° 00.24	88° 55.40
6/11/93	0103	<i>Stenella sp.</i>	26° 49.03	86° 00.05
6/11/93	0631	<i>Stenella attenuata</i>	26° 59.93	86° 16.00
6/11/93	0728	<i>Kogia sp.</i>	26° 59.84	86° 02.78
6/12/93	1326	<i>Stenella attenuata</i>	24° 39.01	84° 00.04
6/12/93	0174	<i>Tursiops truncatus</i>	25° 06.94	83° 59.97
6/12/93	1750	<i>Stenella frontalis</i>	25° 14.60	84° 00.09
6/12/93	1750	<i>Tursiops truncatus</i>	25° 14.60	84° 00.09
6/13/93	1233	<i>Stenella longirostris</i>	26° 58.11	85° 00.03
6/13/93	1535	<i>Kogia simus</i>	27° 07.36	85° 00.11
6/13/93	1552	<i>Pseudorca crassidens</i>	27° 08.77	85° 10.00
6/13/93	1552	<i>Tursiops truncatus</i>	27° 08.77	85° 10.00
6/13/93	0158	<i>Grampus griseus</i>	27° 05.42	84° 59.99
6/13/93	1620	<i>Tursiops truncatus</i>	27° 11.70	85° 01.30
6/13/93	1654	<i>Kogia breviceps</i>	27° 16.89	84° 58.00
6/13/93	1720	<i>Grampus griseus</i>	27° 21.42	84° 59.24
6/13/93	1720	<i>Stenella attenuata</i>	27° 43.76	85° 00.55
6/13/93	1720	<i>Stenella frontalis</i>	27° 43.76	85° 00.55
6/13/93	1822	<i>Tursiops truncatus</i>	27° 31.51	85° 00.02
6/13/93	1840	<i>Tursiops truncatus</i>	27° 34.81	85° 00.97
6/13/93	0610	<i>Stenella coeruleoalba</i>	26° 17.53	85° 00.02
6/13/93	0910	<i>Steno bredanensis</i>	26° 44.88	85° 01.18
6/13/93	0092	Unidentified odontocete	26° 43.79	85° 00.11
6/13/93	0944	<i>Orcinus orca</i>	26° 46.48	85° 02.08
6/14/93	1037	<i>Tursiops truncatus</i>	28° 57.78	86° 27.94
6/14/93	0129	<i>Kogia sp.</i>	29° 00.59	86° 36.94
6/14/93	0129	<i>Stenella coeruleoalba</i>	29° 00.59	86° 36.94
6/14/93	1310	<i>Kogia sp.</i>	29° 05.86	86° 39.91
6/14/93	1334	<i>Grampus griseus</i>	29° 03.20	86° 43.13
6/14/93	1353	<i>Kogia sp.</i>	29° 00.54	86° 44.91
6/14/93	1425	Unidentified odontocete	28° 59.63	86° 50.25
6/14/93	1454	<i>Kogia simus</i>	28° 58.96	86° 54.98
6/14/93	1527	Unidentified odontocete	28° 59.38	86° 59.45
6/14/93	1714	<i>Stenella attenuata</i>	28° 59.96	87° 00.11
6/14/93	1725	<i>Stenella attenuata</i>	28° 59.98	87° 01.89
6/14/93	0191	<i>Kogia simus</i>	29° 14.63	87° 01.04
6/14/93	1925	Unidentified dolphin	29° 18.51	87° 00.54
6/14/93	0193	<i>Stenella attenuata</i>	29° 14.92	87° 01.01
6/14/93	0712	<i>Tursiops truncatus</i>	28° 32.80	86° 02.80
6/14/93	0728	<i>Tursiops truncatus</i>	28° 33.98	86° 05.06
6/14/93	0750	<i>Tursiops truncatus</i>	28° 37.53	86° 08.14
6/14/93	0080	<i>Tursiops truncatus</i>	28° 39.08	86° 09.21
6/14/93	0825	<i>Tursiops truncatus</i>	28° 42.70	86° 12.61
6/14/93	0859	<i>Tursiops truncatus</i>	28° 46.27	86° 16.60
6/15/93	0551	<i>Stenella attenuata</i>	29° 05.86	88° 00.07

<b>Date</b>	<b>Time</b>	<b>Species</b>	<b>Latitude</b>	<b>Longitude</b>
6/15/93	0559	<i>Stenella attenuata</i>	29° 07.14	88° 00.07
6/15/93	0623	<i>Physeter macrocephalus</i>	29° 07.88	87° 57.96
6/15/93	0726	<i>Physeter macrocephalus</i>	29° 12.44	87° 48.31
6/15/93	0742	Unidentified large whale	29° 13.45	87° 47.23
6/15/93	0824	<i>Stenella attenuata</i>	29° 15.81	87° 40.60

## 2.4 Shipboard Acoustic Survey Data

Cruise #1				
Date	Time	Species	Latitude	Longitude
15-Apr-92	1251	<i>T. truncatus</i>	27° 17.00	96° 10.00
16-Apr-92	2101	<i>P. macrocephalus</i>	27° 07.00	95° 30.00
17-Apr-92	1345	Unid. dolphin	27° 40.87	94° 49.98
17-Apr-92	0249	Unid. dolphin	27° 36.03	95° 30.00
17-Apr-92	0354	Unid. cetacean	27° 41.99	95° 30.00
20-Apr-92	1636	<i>T. truncatus</i>	27° 48.28	94° 10.00
21-Apr-92	0146	<i>P. macrocephalus</i>	26° 59.69	94° 10.00
23-Apr-92	1510	Unid. dolphin	27° 20.51	93° 30.00
23-Apr-92	1540	Unid. dolphin	27° 17.14	93° 30.00
23-Apr-92	2231	Unid. dolphin	26° 44.38	93° 30.00
23-Apr-92	0819	Other unid.	27° 58.05	93° 30.00
24-Apr-92	1519	<i>P. macrocephalus</i>	26° 35.00	92° 50.00
24-Apr-92	2317	Unid. dolphin	27° 18.26	92° 50.00
24-Apr-92	0241	Other unid.	26° 21.72	93° 30.00
25-Apr-92	1834	Unid. dolphin	27° 24.00	92° 10.00
25-Apr-92	1912	<i>S. clymene</i>	27° 22.00	92° 10.00
25-Apr-92	2044	Unid. dolphin	27° 16.50	92° 10.00
25-Apr-92	0326	Other unid.	27° 32.81	92° 50.00
25-Apr-92	0509	<i>P. macrocephalus</i>	27° 40.00	92° 50.00
26-Apr-92	1530	Other biological	26° 52.00	91° 30.00
26-Apr-92	2228	Unid. dolphin	27° 38.83	91° 30.00
26-Apr-92	0357	Unid. dolphin	26° 34.80	92° 10.00
27-Apr-92	0154	Unid. dolphin	27° 56.51	91° 30.00
27-Apr-92	0930	<i>T. truncatus</i>	28° 00.30	90° 50.00
28-Apr-92	1917	<i>T. truncatus</i>	28° 44.65	89° 30.00
28-Apr-92	2256	Unid. dolphin	28° 20.90	89° 30.00
28-Apr-92	0404	Unid. dolphin	27° 11.55	90° 10.00
28-Apr-92	0447	Unid. dolphin	27° 15.68	90° 10.00
29-Apr-92	0038	Unid. dolphin	28° 12.00	89° 30.00
29-Apr-92	1810	Unid. cetacean	28° 10.00	88° 50.00
29-Apr-92	1944	Unid. dolphin	28° 20.33	88° 50.00
29-Apr-92	2135	<i>P. macrocephalus</i>	28° 33.00	88° 50.00
29-Apr-92	2320	Unid. dolphin	28° 44.76	88° 50.00
29-Apr-92	2326	<i>P. macrocephalus</i>	28° 45.40	88° 50.00
29-Apr-92	0358	Unid. dolphin	27° 48.00	89° 30.00
29-Apr-92	0539	Unid. cetacean	27° 37.00	89° 30.00
30-Apr-92	0028	Unid. dolphin	28° 52.44	88° 50.00
30-Apr-92	1106	<i>P. macrocephalus</i>	28° 59.00	88° 10.00
30-Apr-92	1318	<i>S. attenuata</i>	28° 44.93	88° 10.00
30-Apr-92	1842	<i>S. attenuata-?</i>	28° 34.58	87° 30.00
30-Apr-92	1903	<i>S. attenuata-?</i>	28° 36.00	87° 30.00
30-Apr-92	2129	Unid. dolphin-?	28° 53.65	87° 30.00
30-Apr-92	2211	Unid. dolphin-?	28° 56.00	87° 30.00
30-Apr-92	2245	Unid. dolphin-?	29° 00.30	87° 30.00
30-Apr-92	0214	Other biological	29° 02.57	88° 50.00
30-Apr-92	0703	<i>T. truncatus</i>	29° 14.62	88° 10.00
30-Apr-92	0850	<i>P. macrocephalus</i>	29° 03.33	88° 07.35
01-May-92	0008	Unid. dolphin	29° 12.00	87° 30.00

Date	Time	Species	Latitude	Longitude
01-May-92	0112	Unid. dolphin	29° 20.03	87° 30.00

**Cruise #2**

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11-Aug-92	1802	Unid. dolphin-?	29° 16.14	87° 30.00
11-Aug-92	1837	Unid. dolphin-?	29° 12.57	87° 30.00
11-Aug-92	1850	Unid. dolphin-?	29° 10.69	87° 30.00
11-Aug-92	1912	Unid. dolphin-?	29° 08.42	87° 30.00
11-Aug-92	0101	Unid. dolphin	28° 44.08	87° 30.00
11-Aug-92	2005	Unid. dolphin	29° 03.98	87° 30.00
11-Aug-92	2047	Unid. dolphin	28° 59.08	87° 30.00
11-Aug-92	2110	Unid. dolphin	28° 56.76	87° 30.00
11-Aug-92	2246	Unid. dolphin	28° 47.76	87° 30.00
12-Aug-92	1144	Unid. dolphin	28° 39.00	88° 10.00
12-Aug-92	1236	<i>S. attenuata</i>	28° 44.68	88° 10.00
12-Aug-92	1613	<i>S. coeruleoalba</i>	28° 58.85	88° 10.00
12-Aug-92	0149	Unid. dolphin	28° 38.97	87° 30.00
13-Aug-92	1137	<i>S. attenuata-?</i>	28° 07.68	88° 50.00
13-Aug-92	0255	Unid. dolphin	28° 55.01	88° 50.00
13-Aug-92	0333	<i>P. macrocephalus</i>	28° 52.10	88° 50.00
13-Aug-92	0504	Unid. dolphin-?	28° 43.56	88° 50.00
13-Aug-92	0546	Unid. dolphin-?	28° 39.70	88° 50.00
14-Aug-92	1301	Unid. dolphin	28° 30.95	89° 30.00
14-Aug-92	1342	Other biological	28° 35.48	89° 30.00
14-Aug-92	2249	Unid. dolphin	28° 02.68	90° 10.00
14-Aug-92	2359	Unid. dolphin	27° 55.42	90° 10.00
14-Aug-92	0330	Unid. dolphin	27° 41.45	89° 30.00
14-Aug-92	0407	Unid. dolphin	27° 45.45	89° 30.00
14-Aug-92	0537	Unid. dolphin	27° 55.37	89° 30.00
14-Aug-92	0601	Unid. dolphin	27° 57.86	89° 30.00
14-Aug-92	0656	Unid. dolphin	28° 03.35	89° 30.00
14-Aug-92	0711	<i>P. macrocephalus</i>	28° 04.85	89° 30.00
14-Aug-92	0946	<i>P. macrocephalus</i>	28° 10.70	89° 30.00
15-Aug-92	2121	Unid. dolphin	27° 12.74	90° 50.00
15-Aug-92	2240	Unid. dolphin	27° 20.29	90° 50.00
15-Aug-92	2316	Unid. dolphin	27° 23.40	90° 50.00
15-Aug-92	0315	<i>P. macrocephalus</i>	27° 41.46	90° 10.00
15-Aug-92	0321	Unid. dolphin	27° 40.85	90° 10.00
15-Aug-92	0449	Unid. dolphin	27° 30.94	90° 10.00
15-Aug-92	0542	Unid. dolphin-?	27° 25.17	90° 10.00
15-Aug-92	0551	Unid. dolphin-?	27° 24.05	90° 10.00
15-Aug-92	0645	Unid. dolphin-?	27° 18.44	90° 10.00
15-Aug-92	0716	Unid. dolphin-?	27° 15.35	90° 10.00
16-Aug-92	1910	<i>P. macrocephalus</i>	27° 30.29	91° 30.00
16-Aug-92	0238	Unid. dolphin	27° 37.34	90° 50.00
16-Aug-92	0731	Unid. dolphin	28° 06.75	90° 50.00
17-Aug-92	1503	Unid. dolphin	26° 37.28	92° 10.00
17-Aug-92	1559	Unid. dolphin	26° 43.05	92° 10.00
17-Aug-92	2004	Unid. dolphin-?	27° 04.92	92° 10.00



Date	Time	Species	Latitude	Longitude
17-Aug-92	2023	Unid. dolphin-?	27° 06.71	92° 10.00
17-Aug-92	0205	<i>P. macrocephalus</i>	26° 54.38	91° 30.00
17-Aug-92	0310	Unid. cetacean	26° 47.93	91° 30.00
18-Aug-92	2101	Unid. dolphin	27° 03.04	92° 50.00
18-Aug-92	2247	Unid. dolphin	26° 53.93	92° 50.00
18-Aug-92	0231	Unid. dolphin	27° 39.26	92° 10.00
18-Aug-92	0316	Unid. dolphin-?	27° 43.80	92° 10.00
18-Aug-92	0339	Unid. dolphin-?	27° 46.28	92° 10.00
18-Aug-92	0508	Unid. dolphin	27° 55.55	92° 10.00
19-Aug-92	1520	Unid. dolphin	26° 17.22	93° 30.00
19-Aug-92	1616	Other biological-?	26° 22.51	93° 30.00
19-Aug-92	1632	Unid. dolphin-?	26° 24.14	93° 30.00
19-Aug-92	2023	<i>P. macrocephalus</i>	26° 49.04	92° 30.00
19-Aug-92	2240	Unid. dolphin	26° 54.49	93° 30.00
19-Aug-92	0200	Unid. dolphin	26° 43.37	92° 50.00
19-Aug-92	0241	Unid. dolphin	26° 39.53	92° 50.00
19-Aug-92	0300	Unid. cetacean	26° 37.70	92° 50.00
19-Aug-92	0329	Unid. cetacean-?	26° 34.84	92° 50.00
19-Aug-92	0348	Unid. cetacean-?	26° 33.08	92° 50.00
19-Aug-92	0443	Unid. dolphin	26° 27.69	92° 50.00
19-Aug-92	0544	Unid. dolphin-?	26° 21.69	92° 50.00
19-Aug-92	0600	Unid. dolphin-?	26° 20.14	92° 50.00
19-Aug-92	0640	Unid. dolphin	26° 16.10	92° 50.00
20-Aug-92	1548	<i>T. truncatus</i>	27° 50.03	94° 10.00
20-Aug-92	1622	<i>P. macrocephalus</i>	27° 45.63	94° 10.00
20-Aug-92	1706	Unid. dolphin	27° 40.35	94° 10.00
20-Aug-92	1740	Unid. dolphin	27° 37.22	94° 10.00
20-Aug-92	1857	<i>S. coeruleoalba</i>	27° 30.88	94° 10.00
20-Aug-92	1935	<i>S. coeruleoalba</i>	27° 27.08	94° 10.00
20-Aug-92	0153	Unid. dolphin	27° 14.92	93° 30.00
20-Aug-92	0310	Unid. dolphin	27° 22.87	93° 30.00
21-Aug-92	2230	Unid. dolphin	27° 05.47	94° 50.00
21-Aug-92	0502	Unid. dolphin	26° 39.08	94° 10.00
21-Aug-92	0547	Unid. dolphin	26° 32.72	94° 10.00
22-Aug-92	1413	<i>S. frontalis</i>	27° 38.84	95° 30.00
22-Aug-92	1938	<i>P. macrocephalus-?</i>	27° 11.81	95° 30.00
22-Aug-92	1952	Unid. dolphin-?	27° 10.40	95° 30.00
22-Aug-92	2044	Unid. dolphin-?	27° 05.56	95° 30.00
22-Aug-92	2110	<i>P. macrocephalus-?</i>	27° 03.25	95° 30.00
22-Aug-92	2121	Unid. dolphin-?	27° 02.12	95° 30.00
22-Aug-92	0713	<i>T. truncatus</i>	27° 51.24	94° 50.00

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**Cruise #3**

09-Nov-92	1633	<i>P. macrocephalus</i>	28° 37.00	87° 30.00
09-Nov-92	1752	Unid. dolphin	28° 45.36	87° 30.00
09-Nov-92	2035	<i>P. macrocephalus</i>	28° 50.09	87° 30.00
10-Nov-92	1400	Unid. cetacean	28° 56.33	88° 10.00
11-Nov-92	1338	Unid. dolphin	28° 14.97	88° 50.00

Date	Time	Species	Latitude	Longitude
11-Nov-92	1350	<i>P. macrocephalus</i>	28° 16.15	88° 50.00
11-Nov-92	1743	Unid. cetacean	28° 32.78	88° 50.00
11-Nov-92	1821	Unid. cetacean	28° 36.57	88° 50.00
11-Nov-92	2022	Unid. cetacean	28° 48.86	88° 50.00
11-Nov-92	2143	Unid. dolphin	28° 56.79	88° 50.00
11-Nov-92	2235	Other biological	29° 01.87	88° 50.00
11-Nov-92	2251	Unid. dolphin	29° 02.96	88° 50.00
11-Nov-92	0928	<i>S. attenuata</i>	27° 49.61	88° 50.00
12-Nov-92	0649	<i>T. truncatus</i>	28° 35.32	89° 30.00
12-Nov-92	0707	Unid. dolphin	28° 33.39	89° 30.00
12-Nov-92	0737	<i>S. bredanensis</i>	28° 30.32	89° 30.00
12-Nov-92	0841	<i>P. macrocephalus</i> -?	28° 24.44	89° 30.00
12-Nov-92	0850	Unid. dolphin	28° 23.55	89° 30.00
12-Nov-92	0948	<i>P. macrocephalus</i> -?	28° 17.28	89° 30.00
14-Nov-92	1121	Unid. dolphin	27° 09.33	90° 50.00
14-Nov-92	0113	Unid. cetacean	28° 04.19	90° 50.00
14-Nov-92	2228	<i>P. macrocephalus</i>	26° 41.37	91° 30.00
14-Nov-92	2237	Unid. dolphin	26° 42.20	91° 30.00
14-Nov-92	0219	Unid. dolphin	27° 56.84	90° 50.00
14-Nov-92	0542	Other unid.	27° 35.03	90° 50.00
15-Nov-92	1118	Unid. dolphin	27° 54.84	91° 30.00
15-Nov-92	0421	Unid. cetacean	27° 19.35	91° 30.00
15-Nov-92	0929	<i>P. macrocephalus</i>	27° 42.10	91° 30.00
16-Nov-92	0023	Unid. dolphin	26° 57.00	92° 50.00
16-Nov-92	1019	Unid. dolphin	26° 22.53	92° 10.00
16-Nov-92	0438	Unid. dolphin	27° 54.11	92° 10.00
16-Nov-92	0518	Unid. cetacean	26° 49.99	92° 10.00
16-Nov-92	0837	Unid. dolphin	26° 33.38	92° 10.00
17-Nov-92	0011	Unid. dolphin	27° 07.16	93° 30.00
17-Nov-92	1006	Other biological	27° 59.49	92° 50.00
17-Nov-92	1623	<i>T. truncatus</i>	27° 53.18	93° 30.00
17-Nov-92	1903	Unid. dolphin	27° 35.74	93° 30.00
17-Nov-92	2147	Unid. cetacean	27° 23.25	93° 30.00
18-Nov-92	0118	Unid. dolphin	27° 00.23	93° 30.00
18-Nov-92	0534	Unid. dolphin-?	26° 37.27	93° 30.00
18-Nov-92	0552	Unid. dolphin-?	26° 35.46	93° 30.00
19-Nov-92	1819	Unid. dolphin-?	27° 38.74	94° 50.00
19-Nov-92	1838	Unid. dolphin-?	27° 36.86	94° 50.00
19-Nov-92	1907	Unid. dolphin-?	27° 33.99	94° 50.00
19-Nov-92	2255	Unid. dolphin	27° 18.48	94° 50.00
19-Nov-92	0305	<i>P. macrocephalus</i>	27° 17.74	94° 10.00
19-Nov-92	0343	Unid. dolphin	27° 21.81	94° 10.00
19-Nov-92	0529	Unid. dolphin	27° 27.38	94° 10.00
19-Nov-92	0655	<i>P. macrocephalus</i>	27° 36.59	94° 10.00
19-Nov-92	0752	<i>P. macrocephalus</i>	27° 40.41	94° 10.00
20-Nov-92	0031	Unid. dolphin	27° 07.59	94° 50.00
21-Nov-92	0211	<i>P. macrocephalus</i>	26° 58.06	95° 30.00
21-Nov-92	0335	<i>P. macrocephalus</i>	27° 06.51	95° 30.00

**Cruise #4**

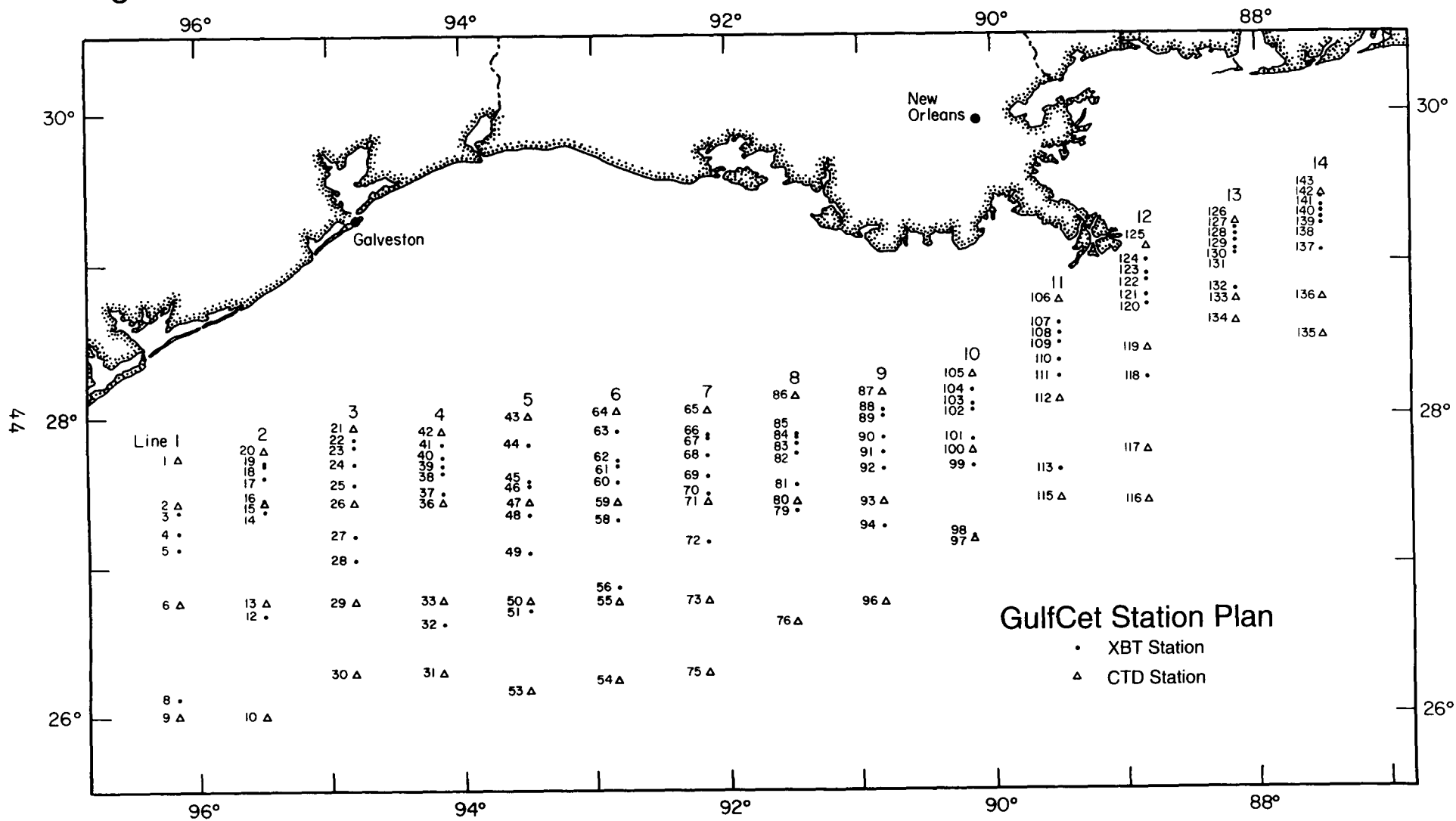
<b>Date</b>	<b>Time</b>	<b>Species</b>	<b>Latitude</b>	<b>Longitude</b>
12-Feb-93	1735	Unid. dolphin	29° 20.88	87° 30.00
12-Feb-93	1854	Unid. dolphin	29° 12.99	87° 30.00
12-Feb-93	2034	Unid. dolphin	23° 08.19	87° 30.00
12-Feb-93	2206	Unid. dolphin	28° 53.11	87° 30.00
13-Feb-93	1444	Other biological	28° 53.14	88° 10.00
13-Feb-93	1653	<i>P. macrocephalus</i>	29° 06.50	88° 10.00
13-Feb-93	1707	Other unid.	29° 07.79	88° 10.00
13-Feb-93	1716	Unid. dolphin	29° 08.65	88° 10.00
13-Feb-93	1732	Other biological	29° 10.72	88° 10.00
13-Feb-93	0119	Unid. dolphin	27° 23.64	92° 10.00
14-Feb-93	1026	<i>S. attenuata</i>	28° 04.43	88° 50.00
14-Feb-93	0144	Other unid.	28° 52.75	88° 50.00
14-Feb-93	2346	Unid. dolphin	27° 30.11	89° 30.00
14-Feb-93	0258	<i>P. macrocephalus</i> -?	28° 44.65	88° 50.00
14-Feb-93	0322	Unid. dolphin	28° 42.18	88° 50.00
14-Feb-93	0345	Unid. dolphin-?	28° 39.78	88° 50.00
14-Feb-93	0407	<i>P. macrocephalus</i> -?	28° 37.54	88° 50.00
14-Feb-93	0407	Unid. dolphin-?	28° 37.53	88° 50.00
14-Feb-93	0426	Unid. dolphin-?	28° 35.78	88° 50.00
14-Feb-93	0501	Unid. dolphin-?	28° 32.27	88° 50.00
14-Feb-93	0808	Unid. cetacean	28° 18.58	88° 50.00
15-Feb-93	0024	Unid. dolphin	27° 34.30	89° 30.00
15-Feb-93	1055	Other biological	28° 35.51	89° 30.00
15-Feb-93	0102	Unid. dolphin-?	27° 38.16	89° 30.00
15-Feb-93	0126	Unid. dolphin-?	27° 40.64	89° 30.00
15-Feb-93	0844	<i>P. macrocephalus</i>	28° 20.88	89° 30.00
15-Feb-93	0856	Unid. cetacean	28° 22.26	89° 30.00
15-Feb-93	0910	<i>P. macrocephalus</i>	28° 23.68	89° 30.00
15-Feb-93	0918	<i>S. attenuata</i>	28° 24.65	89° 30.00
16-Feb-93	1834	Unid. dolphin	26° 56.33	90° 50.00
16-Feb-93	2133	Unid. dolphin	27° 13.82	90° 50.00
16-Feb-93	2319	Unid. dolphin	27° 24.59	90° 50.00
16-Feb-93	0453	Unid. dolphin-?	27° 40.88	90° 10.00
16-Feb-93	0506	Unid. dolphin-?	27° 39.64	90° 10.00
16-Feb-93	0644	<i>S. attenuata</i>	27° 29.26	90° 10.00
17-Feb-93	1305	Unid. dolphin	28° 06.48	91° 30.00
17-Feb-93	1549	Unid. dolphin	27° 48.31	91° 30.00
17-Feb-93	1812	Unid. dolphin	27° 33.61	91° 30.00
17-Feb-93	1841	Unid. dolphin	27° 30.31	91° 30.00
17-Feb-93	0136	Unid. dolphin	27° 31.03	90° 50.00
17-Feb-93	0153	Unid. dolphin	27° 32.20	90° 50.00
17-Feb-93	2134	Unid. dolphin	27° 19.41	91° 30.00
17-Feb-93	2250	Unid. dolphin	27° 11.57	91° 30.00
18-Feb-93	0026	Unid. dolphin	27° 02.07	91° 30.00
18-Feb-93	1409	Unid. dolphin	26° 34.67	92° 10.00
18-Feb-93	1454	Unid. dolphin	26° 39.40	92° 10.00
18-Feb-93	0100	Unid. dolphin-?	26° 58.56	91° 30.00
18-Feb-93	0132	<i>S. attenuata</i> -?	26° 55.38	91° 30.00

Date	Time	Species	Latitude	Longitude
18-Feb-93	2311	<i>P. macrocephalus</i>	27° 10.36	92° 10.00
18-Feb-93	2323	Unid. dolphin?	27° 11.56	92° 10.00
18-Feb-93	2348	Unid. dolphin?	27° 14.26	92° 10.00
18-Feb-93	0219	Unid. dolphin?	26° 50.48	91° 30.00
18-Feb-93	0405	Unid. dolphin	26° 40.57	91° 30.00
19-Feb-93	1252	Other biological	28° 00.70	92° 50.00
19-Feb-93	1547	Unid. dolphin?	27° 43.15	92° 50.00
19-Feb-93	1636	<i>P. macrocephalus</i>	27° 37.69	92° 50.00
19-Feb-93	1639	Unid. dolphin?	27° 37.39	92° 50.00
19-Feb-93	1829	Unid. dolphin	27° 34.01	92° 50.00
19-Feb-93	2021	<i>P. macrocephalus</i>	27° 25.24	92° 50.00
19-Feb-93	2041	Unid. dolphin?	27° 23.25	92° 50.00
19-Feb-93	2109	Unid. dolphin?	27° 23.07	92° 50.00
19-Feb-93	2146	Unid. dolphin	27° 16.28	92° 50.00
19-Feb-93	0245	Unid. dolphin	27° 27.60	92° 10.00
20-Feb-93	1442	<i>S. attenuata</i>	26° 10.04	93° 30.00
20-Feb-93	1715	<i>S. attenuata</i>	26° 24.86	93° 30.00
20-Feb-93	1927	Unid. dolphin	26° 38.63	93° 30.00
20-Feb-93	0111	Unid. dolphin?	26° 55.20	92° 50.00
20-Feb-93	0133	Unid. dolphin?	26° 52.66	92° 50.00
20-Feb-93	0229	Unid. dolphin	26° 47.33	92° 50.00
20-Feb-93	0641	Unid. dolphin	26° 27.33	92° 50.00
20-Feb-93	0753	<i>P. macrocephalus</i>	26° 19.84	92° 50.00
21-Feb-93	1706	Unid. dolphin	27° 44.30	94° 10.00
21-Feb-93	1909	Unid. dolphin	27° 31.97	94° 10.00
21-Feb-93	2206	Unid. cetacean	27° 18.44	94° 10.00
21-Feb-93	0243	Unid. dolphin?	27° 16.24	93° 30.00
21-Feb-93	0329	Unid. dolphin?	27° 20.76	93° 30.00
21-Feb-93	0918	Unid. dolphin	27° 51.70	93° 30.00
22-Feb-93	1901	<i>P. macrocephalus</i>	26° 31.66	94° 50.00
22-Feb-93	1923	Unid. dolphin	26° 33.84	94° 50.00
22-Feb-93	2101	Unid. dolphin	26° 43.43	94° 50.00
22-Feb-93	2252	<i>P. macrocephalus</i>	26° 45.99	94° 50.00
22-Feb-93	2303	Unid. cetacean	26° 46.24	94° 50.00
22-Feb-93	0207	Unid. dolphin	26° 53.01	94° 10.00
22-Feb-93	0510	Unid. dolphin	26° 41.61	94° 10.00
22-Feb-93	0545	<i>P. macrocephalus</i>	26° 37.85	94° 10.00
23-Feb-93	2114	Unid. dolphin	27° 25.23	95° 30.00
23-Feb-93	2238	Unid. dolphin	27° 16.81	95° 30.00
24-Feb-93	0321	Unid. dolphin	26° 49.57	95° 30.00
24-Feb-93	0648	<i>P. macrocephalus</i>	26° 35.62	95° 30.00

### III. ENVIRONMENTAL DATA

### **3.1 Hydrographic Survey Data (TIO)**

Figure 1. GulfCet Station Plan: XBT and CTD Stations



### 3.1.1 Cruise 1



## PERSONNEL

### *GulfCet Cruise 01 Personnel:*

#### Ship's Captain:

Donald Gibson, R/V *Longhorn*

#### Chief Scientist:

Leg 1: Bernd Würsig

Leg 2: Randall Davis

Leg 3: Jeff Norris

TAMUG, GulfCet PI, Deputy Program Manager, Professor

TAMUG, GulfCet Program Manager, TAMUG Dept. Head

TAMU, Research Associate

#### Scientific Staff:

Jeff Norris

Vic Cockcroft

Wang Ding

Tom Jefferson

Randy Clark

Spencer Lynn

Anna Forest

Kathleen Dudzinski

Linda May

Claire Graham

Logan Respess

Andrew Schiro

Troy Sparks

Dagmar Fertl

TAMU, Research Associate

Visiting Scientist

Visiting Scientist

TAMU, Graduate Student

TAMU, Graduate Student

TAMUG, Marine Technician

TAMUG, Graduate Student

TAMU, Graduate Student

Intern

TAMUG, Marine Technician

TAMUG, Marine Technician

TAMU, Graduate Student

TAMU, Graduate Student

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respess

TAMUG, Marine Technician

#### Data Processing and Programming:

David Brandon

TAMUG, Programmer

#### Report Writing and Quality Assurance:

Giulietta Fargion

Cheryl Schroeder

TAMUG, GulfCet PI, Research Associate Specialist

TAMUG, Student

**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

- DATA SUMMARY TABLES
- VERTICAL TEMPERATURE PROFILES

**Cruise:** GULFCET 01  
**Latitude:** 27° 24.21' N

**Station:** 01-003  
**Longitude:** 96° 10.60' W

**Probe Type:** T-10  
**Date:** 15-Apr-1992  
**Time:** 1117

Depth (m)	Temp. (°C)
10.00	22.79
20.00	23.43
30.00	23.23
40.00	23.07
50.00	22.36
60.00	22.21
70.00	19.97
80.00	20.06
90.00	19.63
100.00	19.00
110.00	18.89
120.00	18.78
130.00	18.23
140.00	17.77
150.00	17.33
160.00	16.67
170.00	16.36
180.00	16.20
190.00	15.77
200.00	15.64

**Cruise:** GULFCET 01  
**Latitude:** 27° 15.25' N

**Station:** 01-004  
**Longitude:** 96° 10.55' W

**Probe Type:** T-10  
**Date:** 15-Apr-1992  
**Time:** 1244

Depth (m)	Temp. (°C)
10.00	23.27
20.00	23.47
30.00	23.08
40.00	22.66
50.00	22.32
60.00	22.21
70.00	21.82
80.00	19.53
90.00	19.52
100.00	20.08
110.00	19.86
120.00	19.20
130.00	18.56
140.00	18.19
150.00	17.66
160.00	17.12
170.00	16.62
180.00	16.29
190.00	15.93
200.00	15.53

**Cruise:** GULFCET 01      **Station:** 01-005      **Probe Type:** T-10  
**Latitude:** 25° 08.40' N      **Longitude:** 96° 10.50' W      **Date:** 15-Apr-1992      **Time:** 1356

Depth (m)	Temp. (°C)
10.00	24.04
20.00	23.41
30.00	23.35
40.00	22.71
50.00	22.67
60.00	22.45
70.00	21.81
80.00	21.41
90.00	20.70
100.00	20.00
110.00	19.29
120.00	18.81
130.00	18.23
140.00	17.82
150.00	17.38
160.00	16.96
170.00	16.64
180.00	16.05
190.00	15.85
200.00	15.54

**Cruise:** GULFCET 01      **Station:** 01-008      **Probe Type:** T-7  
**Latitude:** 26° 07.95' N      **Longitude:** 96° 09.93' W      **Date:** 16-Apr-1992      **Time:**

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.13	310.00	11.85	610.00	6.75
20.00	24.07	320.00	11.69	620.00	6.68
30.00	23.40	330.00	11.49	630.00	6.67
40.00	22.95	340.00	11.39	640.00	6.66
50.00	22.51	350.00	11.08	650.00	6.66
60.00	22.45	360.00	10.82	660.00	6.59
70.00	22.20	370.00	10.67	670.00	6.53
80.00	20.84	380.00	10.48	680.00	6.52
90.00	20.45	390.00	10.31	690.00	6.46
100.00	20.30	400.00	10.13	700.00	6.39
110.00	20.07	410.00	9.90	710.00	6.33
120.00	19.79	420.00	9.83	720.00	6.28
130.00	19.09	430.00	9.69	730.00	6.13
140.00	18.25	440.00	9.52	740.00	6.02
150.00	17.95	450.00	9.31		
160.00	17.36	460.00	9.23		
170.00	16.91	470.00	9.02		
180.00	16.49	480.00	8.68		
190.00	16.02	490.00	8.59		
200.00	15.47	500.00	8.56		
210.00	14.87	510.00	8.44		
220.00	14.55	520.00	8.25		
230.00	14.06	530.00	8.15		
240.00	13.73	540.00	7.92		
250.00	13.52	550.00	7.76		
260.00	13.37	560.00	7.53		
270.00	13.01	570.00	7.29		
280.00	12.70	580.00	6.99		
290.00	12.42	590.00	6.86		
300.00	12.20	600.00	6.77		

Cruise: GULFCET 01  
Latitude: 26° 04.20' N

Station: 01-009  
Longitude: 96° 10.20' W

Probe Type: T-7  
Date: 16-Apr-1992

Time: 1600

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.45	310.00	12.08	610.00	6.95
20.00	24.33	320.00	11.75	620.00	6.80
30.00	22.97	330.00	11.31	630.00	6.76
40.00	22.75	340.00	11.22	640.00	6.72
50.00	22.59	350.00	11.08	650.00	6.68
60.00	22.53	360.00	11.02	660.00	6.65
70.00	22.44	370.00	10.73	670.00	6.62
80.00	22.02	380.00	10.74	680.00	6.55
90.00	20.61	390.00	10.56	690.00	6.48
100.00	20.41	400.00	10.34	700.00	6.46
110.00	20.22	410.00	10.30	710.00	6.44
120.00	19.81	420.00	10.24	720.00	6.43
130.00	18.85	430.00	9.70	730.00	6.32
140.00	18.21	440.00	9.56	740.00	6.24
150.00	17.33	450.00	9.51	750.00	5.97
160.00	16.84	460.00	9.43	760.00	5.74
170.00	16.42	470.00	9.37		
180.00	15.70	480.00	9.17		
190.00	15.42	490.00	8.95		
200.00	15.26	500.00	8.71		
210.00	14.69	510.00	8.52		
220.00	14.39	520.00	8.36		
230.00	14.20	530.00	8.31		
240.00	14.10	540.00	8.26		
250.00	13.66	550.00	8.15		
260.00	13.51	560.00	8.11		
270.00	13.27	570.00	7.81		
280.00	12.76	580.00	7.60		
290.00	12.53	590.00	7.40		
300.00	12.40	600.00	7.08		

Cruise: GULFCET 01  
Latitude: 26° 07.38' N

Station: 02-011  
Longitude: 95° 30.08' W

Probe Type: T-7  
Date: 16-Apr-1992

Time: 1039

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.33	310.00	13.65	610.00	8.76
20.00	23.87	320.00	13.36	620.00	8.66
30.00	23.79	330.00	13.02	630.00	8.60
40.00	23.75	340.00	12.82	640.00	8.45
50.00	23.17	350.00	12.50	650.00	8.35
60.00	23.06	360.00	12.30	660.00	8.22
70.00	22.97	370.00	12.11	670.00	8.10
80.00	22.87	380.00	11.83	680.00	7.92
90.00	22.70	390.00	11.56	690.00	7.68
100.00	22.40	400.00	11.32	700.00	7.53
110.00	22.08	410.00	11.17	710.00	7.45
120.00	21.64	420.00	10.97	720.00	7.37
130.00	20.88	430.00	10.81	730.00	7.28
140.00	20.66	440.00	10.67	740.00	7.18
150.00	20.08	450.00	10.58	750.00	7.04
160.00	19.47	460.00	10.42	760.00	6.94
170.00	19.00	470.00	10.33		
180.00	18.60	480.00	10.22		
190.00	18.00	490.00	10.10		
200.00	17.53	500.00	9.96		
210.00	17.15	510.00	9.83		
220.00	16.82	520.00	9.73		
230.00	16.46	530.00	9.62		
240.00	16.09	540.00	9.54		
250.00	15.64	550.00	9.43		
260.00	15.31	560.00	9.34		
270.00	15.02	570.00	9.23		
280.00	14.58	580.00	9.10		
290.00	14.18	590.00	8.96		
300.00	13.78	600.00	8.83		

**Cruise:** GULFCET 01      **Station:** 02-012      **Probe Type:** T-7  
**Latitude:** 26° 41.14' N      **Longitude:** 95° 30.09' W      **Date:** 16-Apr-1992      **Time:** 1534

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	25.01	310.00	12.87	610.00	7.69
20.00	24.89	320.00	12.56	620.00	7.54
30.00	23.99	330.00	12.41	630.00	7.41
40.00	23.14	340.00	12.22	640.00	7.31
50.00	22.80	350.00	11.91	650.00	7.18
60.00	22.60	360.00	11.62	660.00	7.09
70.00	22.55	370.00	11.49	670.00	6.97
80.00	22.52	380.00	11.27	680.00	6.87
90.00	22.28	390.00	11.07	690.00	6.78
100.00	21.74	400.00	10.90	700.00	6.68
110.00	21.03	410.00	10.70	710.00	6.58
120.00	20.84	420.00	10.47	720.00	6.49
130.00	20.10	430.00	10.30	730.00	6.45
140.00	19.53	440.00	10.06	740.00	6.37
150.00	18.83	450.00	9.92	750.00	6.33
160.00	18.14	460.00	9.80	760.00	6.26
170.00	17.45	470.00	9.61		
180.00	16.84	480.00	9.42		
190.00	16.42	490.00	9.25		
200.00	15.98	500.00	9.16		
210.00	15.79	510.00	9.15		
220.00	15.53	520.00	8.99		
230.00	15.35	530.00	8.90		
240.00	14.86	540.00	8.71		
250.00	14.48	550.00	8.62		
260.00	14.20	560.00	8.42		
270.00	13.92	570.00	8.30		
280.00	13.71	580.00	8.17		
290.00	13.45	590.00	8.03		
300.00	13.14	600.00	7.88		

**Cruise:** GULFCET 01      **Station:** 02-014      **Probe Type:** T-7  
**Latitude:** 27° 23.30' N      **Longitude:** 95° 30.40' W      **Date:** 16-Apr-1992      **Time:** 2323

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.22	310.00	12.16	610.00	7.09
20.00	24.40	320.00	11.93	620.00	6.96
30.00	23.52	330.00	11.70	630.00	6.86
40.00	23.26	340.00	11.41	640.00	6.74
50.00	23.05	350.00	11.18	650.00	6.67
60.00	22.75	360.00	10.98	660.00	6.59
70.00	22.67	370.00	10.73	670.00	6.52
80.00	22.48	380.00	10.55	680.00	6.45
90.00	21.66	390.00	10.31	690.00	6.37
100.00	20.47	400.00	10.07	700.00	6.28
110.00	20.67	410.00	9.93	710.00	6.24
120.00	20.14	420.00	9.77	720.00	6.18
130.00	19.18	430.00	9.63	730.00	6.12
140.00	18.69	440.00	9.47	740.00	6.03
150.00	18.08	450.00	9.29	750.00	5.97
160.00	17.64	460.00	9.18	760.00	5.91
170.00	17.06	470.00	8.94		
180.00	16.52	480.00	8.84		
190.00	16.16	490.00	8.73		
200.00	15.59	500.00	8.50		
210.00	15.22	510.00	8.40		
220.00	14.92	520.00	8.21		
230.00	14.60	530.00	8.10		
240.00	14.32	540.00	7.95		
250.00	13.98	550.00	7.82		
260.00	13.77	560.00	7.72		
270.00	13.61	570.00	7.58		
280.00	13.31	580.00	7.45		
290.00	13.03	590.00	7.31		
300.00	12.64	600.00	7.21		

**Cruise:** GULFCET 01      **Station:** 02-016      **Probe Type:** T-7  
**Latitude:** 27° 28.00' N      **Longitude:** 95° 30.15' W      **Date:** 17-Apr-1992      **Time:** 0135

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.35	310.00	12.02	610.00	7.16
20.00	24.32	320.00	11.72	620.00	7.04
30.00	23.56	330.00	11.41	630.00	6.97
40.00	23.20	340.00	11.17	640.00	6.83
50.00	22.91	350.00	11.02	650.00	6.65
60.00	22.53	360.00	10.85	660.00	6.51
70.00	22.51	370.00	10.71		
80.00	21.94	380.00	10.53		
90.00	21.07	390.00	10.33		
100.00	20.71	400.00	10.16		
110.00	20.12	410.00	9.99		
120.00	19.60	420.00	9.81		
130.00	18.95	430.00	9.56		
140.00	18.58	440.00	9.30		
150.00	17.91	450.00	9.18		
160.00	17.37	460.00	9.07		
170.00	17.17	470.00	8.95		
180.00	16.72	480.00	8.86		
190.00	16.17	490.00	8.80		
200.00	15.72	500.00	8.60		
210.00	15.27	510.00	8.48		
220.00	14.86	520.00	8.26		
230.00	14.38	530.00	8.12		
240.00	14.05	540.00	8.01		
250.00	13.81	550.00	7.87		
260.00	13.40	560.00	7.69		
270.00	13.09	570.00	7.55		
280.00	12.93	580.00	7.47		
290.00	12.69	590.00	7.39		
300.00	12.37	600.00	7.28		

**Cruise:** GULFCET 01      **Station:** 02-017      **Probe Type:** T-7  
**Latitude:** 27° 36.54' N      **Longitude:** 95° 30.16' W      **Date:** 17-Apr-1992      **Time:** 0305

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.20	310.00	12.14
20.00	23.41	320.00	11.93
30.00	23.38	330.00	11.73
40.00	23.23	340.00	11.57
50.00	22.55	350.00	11.30
60.00	22.15	360.00	11.10
70.00	21.71	370.00	10.90
80.00	21.08	380.00	10.73
90.00	20.00	390.00	10.62
100.00	20.12	400.00	10.33
110.00	19.36	410.00	10.08
120.00	18.84	420.00	9.93
130.00	18.43	430.00	9.73
140.00	18.02	440.00	9.54
150.00	17.41	450.00	9.33
160.00	16.86	460.00	9.12
170.00	16.29	470.00	8.78
180.00	15.87	480.00	8.40
190.00	15.65	490.00	8.24
200.00	15.45		
210.00	14.89		
220.00	14.54		
230.00	14.24		
240.00	13.95		
250.00	13.66		
260.00	13.31		
270.00	13.09		
280.00	12.84		
290.00	12.52		
300.00	12.28		

**Cruise:** GULFCET 01  
**Latitude:** 27° 41.39' N

**Station:** 02-018  
**Longitude:** 95° 31.07' W

**Probe Type:** T-10  
**Date:** 17-Apr-1992  
**Time:** 0359

Depth (m)	Temp. (°C)
10.00	22.93
20.00	21.18
30.00	19.70
40.00	20.24
50.00	19.67
60.00	19.65
70.00	19.59
80.00	19.52
90.00	19.04
100.00	18.78
110.00	18.62
120.00	18.32
130.00	18.13
140.00	17.94
150.00	17.70
160.00	17.28
170.00	16.75
180.00	16.32
190.00	15.83
200.00	15.45

**Cruise:** GULFCET 01  
**Latitude:** 27° 42.08' N

**Station:** 02-019  
**Longitude:** 95° 30.02' W

**Probe Type:** T-10  
**Date:** 17-Apr-1992  
**Time:** 0406

Depth (m)	Temp. (°C)
10.00	22.96
20.00	21.03
30.00	19.51
40.00	20.26
50.00	19.98
60.00	19.72
70.00	19.75
80.00	19.50
90.00	18.96
100.00	18.88
110.00	18.71
120.00	18.59
130.00	18.17
140.00	17.92
150.00	17.73
160.00	17.21
170.00	16.70
180.00	16.11
190.00	15.62
200.00	15.38



**Cruise:** GULFCET 01      **Station:** 03-022      **Probe Type:** T-10  
**Latitude:** 27° 51.50' N      **Longitude:** 94° 50.10' W      **Date:** 17-Apr-1992      **Time:** 1153

Depth (m)	Temp. (°C)
10.00	22.63
20.00	21.01
30.00	20.61
40.00	20.33
50.00	20.23
60.00	20.36
70.00	19.44
80.00	18.94
90.00	18.87
100.00	19.00
110.00	18.98
120.00	18.93
130.00	18.28
140.00	17.93
150.00	17.29
160.00	16.70
170.00	16.39
180.00	16.02
190.00	15.68
200.00	15.43

**Cruise:** GULFCET 01      **Station:** 03-023      **Probe Type:** T-10  
**Latitude:** 27° 49.00' N      **Longitude:** 94° 50.08' W      **Date:** 17-Apr-1992      **Time:** 1216

Depth (m)	Temp. (°C)
10.00	22.25
20.00	21.10
30.00	20.52
40.00	20.01
50.00	20.25
60.00	20.55
70.00	20.03
80.00	19.63
90.00	19.04
100.00	18.94
110.00	19.00
120.00	18.85
130.00	18.41
140.00	18.08
150.00	17.64
160.00	17.30
170.00	17.02
180.00	16.26
190.00	15.87
200.00	15.82

Cruise: GULFCET 01  
Latitude: 27° 41.92' N

Station: 03-024  
Longitude: 94° 49.91' W

Probe Type: T-10  
Date: 17-Apr-1992

Time: 1329

Depth (m)	Temp. (°C)
10.00	22.60
20.00	20.90
30.00	20.47
40.00	20.55
50.00	20.74
60.00	20.68
70.00	20.29
80.00	19.79
90.00	19.16
100.00	19.12
110.00	19.23
120.00	18.63
130.00	18.26
140.00	17.84
150.00	17.39
160.00	16.87
170.00	16.47
180.00	16.11
190.00	15.85
200.00	15.42

Cruise: GULFCET 01  
Latitude: 27° 34.00' N

Station: 03-025  
Longitude: 94° 50.00' W

Probe Type: T-7  
Date: 17-Apr-1992

Time: 1451

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.93	310.00	12.36	610.00	7.09
20.00	21.88	320.00	12.02	620.00	6.95
30.00	20.90	330.00	11.84	630.00	6.83
40.00	20.90	340.00	11.60	640.00	6.74
50.00	20.44	350.00	11.44	650.00	6.67
60.00	20.46	360.00	11.26	660.00	6.60
70.00	20.37	370.00	11.05	670.00	6.54
80.00	20.19	380.00	10.89	680.00	6.48
90.00	19.35	390.00	10.72	690.00	6.45
100.00	19.48	400.00	10.41	700.00	6.32
110.00	18.79	410.00	10.22	710.00	6.26
120.00	18.60	420.00	10.09	720.00	6.20
130.00	17.89	430.00	9.88	730.00	6.18
140.00	17.34	440.00	9.70	740.00	6.13
150.00	17.04	450.00	9.56	750.00	6.11
160.00	16.60	460.00	9.35	760.00	6.07
170.00	16.33	470.00	9.21		
180.00	15.95	480.00	9.07		
190.00	15.73	490.00	8.94		
200.00	15.52	500.00	8.70		
210.00	15.29	510.00	8.50		
220.00	14.91	520.00	8.39		
230.00	14.45	530.00	8.29		
240.00	14.21	540.00	8.12		
250.00	13.91	550.00	7.88		
260.00	13.56	560.00	7.74		
270.00	13.21	570.00	7.62		
280.00	12.93	580.00	7.48		
290.00	12.74	590.00	7.38		
300.00	12.57	600.00	7.22		

Cruise: GULFCET 01  
Latitude: 27° 26.00' N

Station: 03-026  
Longitude: 94° 50.00' W

Probe Type: T-7  
Date: 17-Apr-1992

Time: 1622

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.23	310.00	12.19	610.00	7.05
20.00	24.16	320.00	12.00	620.00	6.97
30.00	23.80	330.00	11.69	630.00	6.92
40.00	21.62	340.00	11.44	640.00	6.86
50.00	20.59	350.00	11.25	650.00	6.77
60.00	20.62	360.00	11.04	660.00	6.69
70.00	20.99	370.00	10.80	670.00	6.60
80.00	20.54	380.00	10.60	680.00	6.49
90.00	20.04	390.00	10.37	690.00	6.41
100.00	19.60	400.00	10.13	700.00	6.38
110.00	18.66	410.00	9.92	710.00	6.25
120.00	18.17	420.00	9.74	720.00	6.15
130.00	17.76	430.00	9.55	730.00	6.09
140.00	17.33	440.00	9.44	740.00	6.04
150.00	17.01	450.00	9.26	750.00	5.97
160.00	16.44	460.00	9.06	760.00	5.93
170.00	16.16	470.00	8.89		
180.00	15.75	480.00	8.71		
190.00	15.45	490.00	8.54		
200.00	15.14	500.00	8.40		
210.00	14.88	510.00	8.28		
220.00	14.62	520.00	8.20		
230.00	14.38	530.00	8.07		
240.00	13.93	540.00	7.98		
250.00	13.58	550.00	7.92		
260.00	13.21	560.00	7.72		
270.00	12.93	570.00	7.55		
280.00	12.76	580.00	7.45		
290.00	12.48	590.00	7.28		
300.00	12.38	600.00	7.16		

Cruise: GULFCET 01  
Latitude: 26° 36.94' N

Station: 04-032  
Longitude: 94° 10.04' W

Probe Type: T-7  
Date: 21-Apr-1992

Time: 0619

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.36	310.00	12.43	610.00	7.17
20.00	24.34	320.00	12.01	620.00	7.06
30.00	24.33	330.00	11.73	630.00	6.95
40.00	23.66	340.00	11.49	640.00	6.87
50.00	22.89	350.00	11.30	650.00	6.82
60.00	22.80	360.00	11.06	660.00	6.75
70.00	22.76	370.00	10.82	670.00	6.67
80.00	22.68	380.00	10.63	680.00	6.58
90.00	22.19	390.00	10.47	690.00	6.47
100.00	21.74	400.00	10.28	700.00	6.41
110.00	21.14	410.00	10.08	710.00	6.34
120.00	20.68	420.00	9.96	720.00	6.30
130.00	20.04	430.00	9.74	730.00	6.22
140.00	18.97	440.00	9.56	740.00	6.12
150.00	18.46	450.00	9.45		
160.00	18.01	460.00	9.29		
170.00	17.75	470.00	9.15		
180.00	17.26	480.00	8.98		
190.00	16.70	490.00	8.78		
200.00	16.36	500.00	8.57		
210.00	16.03	510.00	8.40		
220.00	15.49	520.00	8.29		
230.00	14.98	530.00	8.17		
240.00	14.55	540.00	8.07		
250.00	14.27	550.00	7.98		
260.00	13.87	560.00	7.88		
270.00	13.55	570.00	7.69		
280.00	13.15	580.00	7.58		
290.00	12.93	590.00	7.46		
300.00	12.69	600.00	7.35		

**Cruise:** GULFCET 01      **Station:** 04-034      **Probe Type:** T-7  
**Latitude:** 27° 06.05' N      **Longitude:** 94° 09.85' W      **Date:** 21-Apr-1992      **Time:** 0041

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.36	310.00	12.43	610.00	7.17
20.00	24.34	320.00	12.01	620.00	7.06
30.00	24.33	330.00	11.73	630.00	6.95
40.00	23.66	340.00	11.49	640.00	6.87
50.00	22.89	350.00	11.30	650.00	6.82
60.00	22.80	360.00	11.06	660.00	6.75
70.00	22.76	370.00	10.82	670.00	6.67
80.00	22.68	380.00	10.63	680.00	6.58
90.00	22.19	390.00	10.47	690.00	6.47
100.00	21.74	400.00	10.28	700.00	6.41
110.00	21.14	410.00	10.08	710.00	6.34
120.00	20.68	420.00	9.96	720.00	6.30
130.00	20.04	430.00	9.74	730.00	6.22
140.00	18.97	440.00	9.56	740.00	6.12
150.00	18.46	450.00	9.45	750.00	6.12
160.00	18.01	460.00	9.29	760.00	6.00
170.00	17.75	470.00	9.15		
180.00	17.26	480.00	8.98		
190.00	16.70	490.00	8.78		
200.00	16.36	500.00	8.57		
210.00	16.03	510.00	8.40		
220.00	15.49	520.00	8.29		
230.00	14.98	530.00	8.17		
240.00	14.55	540.00	8.07		
250.00	14.27	550.00	7.98		
260.00	13.87	560.00	7.88		
270.00	13.55	570.00	7.69		
280.00	13.15	580.00	7.58		
290.00	12.93	590.00	7.46		
300.00	12.69	600.00	7.35		

**Cruise:** GULFCET 01      **Station:** 04-035      **Probe Type:** T-7  
**Latitude:** 27° 15.10' N      **Longitude:** 94° 09.79' W      **Date:** 20-Apr-1992      **Time:** 2310

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.53	310.00	11.55	610.00	6.80
20.00	22.22	320.00	11.40	620.00	6.72
30.00	20.49	330.00	11.17	630.00	6.59
40.00	20.88	340.00	10.85	640.00	6.55
50.00	20.47	350.00	10.71	650.00	6.38
60.00	19.85	360.00	10.45	660.00	6.28
70.00	19.80	370.00	10.24	670.00	6.19
80.00	19.54	380.00	9.99	680.00	6.09
90.00	18.97	390.00	9.68	690.00	6.03
100.00	18.53	400.00	9.51	700.00	5.99
110.00	17.98	410.00	9.38	710.00	5.95
120.00	17.51	420.00	9.16	720.00	5.88
130.00	17.00	430.00	8.88	730.00	5.82
140.00	16.75	440.00	8.63	740.00	5.75
150.00	16.39	450.00	8.49	750.00	5.67
160.00	16.02	460.00	8.39	760.00	5.63
170.00	15.86	470.00	8.29		
180.00	15.47	480.00	8.13		
190.00	15.19	490.00	8.00		
200.00	14.89	500.00	7.91		
210.00	14.58	510.00	7.82		
220.00	14.25	520.00	7.68		
230.00	13.96	530.00	7.55		
240.00	13.73	540.00	7.47		
250.00	13.49	550.00	7.29		
260.00	13.15	560.00	7.23		
270.00	12.87	570.00	7.19		
280.00	12.53	580.00	7.08		
290.00	12.20	590.00	6.94		
300.00	11.90	600.00	6.89		

**Cruise:** GULFCET 01      **Station:** 04-037      **Probe Type:** T-7  
**Latitude:** 27° 29.97' N      **Longitude:** 94° 10.03' W      **Date:** 20-Apr-1992      **Time:** 1930

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.54	310.00	11.31	610.00	7.08
20.00	22.58	320.00	11.17	620.00	7.03
30.00	21.63	330.00	10.90	630.00	6.96
40.00	21.06	340.00	10.66	640.00	6.82
50.00	20.71	350.00	10.42	650.00	6.72
60.00	20.40	360.00	10.30	660.00	6.64
70.00	20.19	370.00	10.11	670.00	6.48
80.00	19.82	380.00	9.96	680.00	6.37
90.00	19.59	390.00	9.84	690.00	6.26
100.00	19.07	400.00	9.67	700.00	6.15
110.00	18.62	410.00	9.50	710.00	6.06
120.00	17.86	420.00	9.27	720.00	5.99
130.00	17.19	430.00	9.13	730.00	5.89
140.00	16.84	440.00	9.00	740.00	5.83
150.00	16.48	450.00	8.89	750.00	5.79
160.00	16.16	460.00	8.70	760.00	5.75
170.00	15.76	470.00	8.57		
180.00	15.20	480.00	8.52		
190.00	14.43	490.00	8.42		
200.00	14.21	500.00	8.20		
210.00	14.02	510.00	8.04		
220.00	13.68	520.00	7.96		
230.00	13.41	530.00	7.64		
240.00	13.14	540.00	7.50		
250.00	12.87	550.00	7.44		
260.00	12.61	560.00	7.33		
270.00	12.32	570.00	7.27		
280.00	12.02	580.00	7.21		
290.00	11.84	590.00	7.20		
300.00	11.57	600.00	7.14		

**Cruise:** GULFCET 01      **Station:** 04-038      **Probe Type:** T-7  
**Latitude:** 27° 38.15' N      **Longitude:** 94° 10.01' W      **Date:** 20-Apr-1992      **Time:** 1808

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.53	310.00	11.96	610.00	6.99
20.00	22.52	320.00	11.74	620.00	6.81
30.00	21.38	330.00	11.47	630.00	6.64
40.00	20.90	340.00	11.20	640.00	6.47
50.00	20.63	350.00	11.03	650.00	6.41
60.00	20.41	360.00	10.75	660.00	6.34
70.00	20.19	370.00	10.62	670.00	6.28
80.00	19.76	380.00	10.45	680.00	6.25
90.00	19.37	390.00	10.20	690.00	6.16
100.00	18.91	400.00	9.95	700.00	6.09
110.00	18.04	410.00	9.61	710.00	6.07
120.00	17.59	420.00	9.39	720.00	6.02
130.00	16.83	430.00	9.23	730.00	5.99
140.00	16.29	440.00	9.08	740.00	5.97
150.00	16.05	450.00	8.87	750.00	5.96
160.00	15.85	460.00	8.75		
170.00	15.63	470.00	8.52		
180.00	15.32	480.00	8.48		
190.00	15.08	490.00	8.38		
200.00	14.75	500.00	8.21		
210.00	14.46	510.00	8.03		
220.00	14.24	520.00	7.94		
230.00	14.00	530.00	7.82		
240.00	13.72	540.00	7.59		
250.00	13.62	550.00	7.55		
260.00	13.35	560.00	7.51		
270.00	13.11	570.00	7.39		
280.00	12.77	580.00	7.35		
290.00	12.50	590.00	7.24		
300.00	12.32	600.00	7.12		

**Cruise:** GULFCET 01  
**Latitude:** 27° 41.00' N

**Station:** 04-039  
**Longitude:** 94° 10.08' W

**Probe Type:** T-7  
**Date:** 20-Apr-1992  
**Time:** 1741

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.54	310.00	12.12
20.00	22.56	320.00	11.90
30.00	21.75	330.00	11.65
40.00	21.06	340.00	11.47
50.00	20.81	350.00	11.20
60.00	20.61	360.00	10.95
70.00	20.29	370.00	10.90
80.00	19.99	380.00	10.66
90.00	19.71	390.00	10.41
100.00	19.14	400.00	10.13
110.00	18.47	410.00	9.98
120.00	17.97	420.00	9.85
130.00	16.97	430.00	9.48
140.00	16.38	440.00	9.42
150.00	16.15	450.00	9.34
160.00	15.93	460.00	9.29
170.00	15.56	470.00	9.09
180.00	15.42	480.00	8.88
190.00	15.28	490.00	8.59
200.00	15.14	500.00	8.31
210.00	14.85		
220.00	14.52		
230.00	14.18		
240.00	13.85		
250.00	13.61		
260.00	13.42		
270.00	12.94		
280.00	12.66		
290.00	12.46		
300.00	12.29		

**Cruise:** GULFCET 01  
**Latitude:** 27° 44.00' N

**Station:** 04-040  
**Longitude:** 94° 10.37' W

**Probe Type:** T-7  
**Date:** 20-Apr-1992  
**Time:** 1709

Depth (m)	Temp. (°C)
10.00	22.51
20.00	22.48
30.00	21.27
40.00	20.99
50.00	20.71
60.00	20.45
70.00	20.23
80.00	20.05
90.00	19.55
100.00	19.17
110.00	18.71
120.00	18.24
130.00	17.94
140.00	17.45
150.00	16.82
160.00	16.49
170.00	16.27
180.00	16.07
190.00	15.79
200.00	15.50
210.00	14.98
220.00	14.52
230.00	13.91
240.00	13.54
250.00	13.37
260.00	13.09
270.00	12.60
280.00	12.28
290.00	12.07

**Cruise:** GULFCET 01  
**Latitude:** 27° 49.44' N

**Station:** 04-041  
**Longitude:** 94° 10.32' W

**Probe Type:** T-10  
**Date:** 20-Apr-1992  
**Time:** 1621

Depth (m)	Temp. (°C)
10.00	22.43
20.00	21.86
30.00	20.99
40.00	20.86
50.00	20.63
60.00	20.43
70.00	20.27
80.00	20.06
90.00	19.78
100.00	19.41
110.00	19.26
120.00	19.01
130.00	18.83
140.00	18.11
150.00	17.37
160.00	16.85
170.00	16.68

**Cruise:** GULFCET 01  
**Latitude:** 27° 49.06' N

**Station:** 05-044  
**Longitude:** 93° 29.98' W

**Probe Type:** T-10  
**Date:** 23-Apr-1992  
**Time:** 0949

Depth (m)	Temp. (°C)
10.00	22.75
20.00	22.53
30.00	21.55
40.00	20.92
50.00	20.70
60.00	20.63
70.00	20.51
80.00	20.38
90.00	19.76
100.00	19.39
110.00	19.24
120.00	19.07
130.00	18.73
140.00	18.56
150.00	18.16
160.00	17.88
170.00	17.46
180.00	17.11
190.00	16.19
200.00	15.93

Cruise: GULFCET 01  
Latitude: 27° 35.00' N

Station: 05-045  
Longitude: 93° 30.00' W

Probe Type: T-7  
Date: 23-Apr-1992  
Time: 1159

Depth (m)	Temp. (°C)
10.00	22.65
20.00	22.63
30.00	22.40
40.00	21.22
50.00	20.65
60.00	20.54
70.00	20.35
80.00	19.97
90.00	19.48
100.00	19.20
110.00	18.58
120.00	17.60
130.00	17.29
140.00	16.88
150.00	16.40
160.00	16.04
170.00	15.68
180.00	15.30
190.00	14.86
200.00	14.52
210.00	14.07
220.00	13.83
230.00	13.45
240.00	13.36
250.00	13.20
260.00	12.99
270.00	12.71
280.00	12.52

Cruise: GULFCET 01  
Latitude: 27° 33.00' N

Station: 05-046  
Longitude: 93° 30.00' W

Probe Type: T-7  
Date: 23-Apr-1992  
Time: 1218

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.57	310.00	11.79
20.00	22.56	320.00	11.68
30.00	22.13	330.00	11.53
40.00	20.76	340.00	11.37
50.00	20.54	350.00	11.30
60.00	20.35	360.00	11.02
70.00	20.09	370.00	10.90
80.00	19.93	380.00	10.65
90.00	19.24	390.00	10.27
100.00	18.76	400.00	9.78
110.00	18.54	410.00	9.63
120.00	17.88	420.00	9.51
130.00	17.00	430.00	9.20
140.00	16.47		
150.00	16.02		
160.00	15.56		
170.00	15.29		
180.00	14.87		
190.00	14.58		
200.00	14.23		
210.00	13.95		
220.00	13.79		
230.00	13.50		
240.00	13.26		
250.00	13.00		
260.00	12.81		
270.00	12.59		
280.00	12.26		
290.00	12.06		
300.00	11.87		



Cruise: GULFCET 01  
Latitude: 27° 21.00' N

Station: 05-048  
Longitude: 93° 30.00' W

Probe Type: T-7  
Date: 23-Apr-1992

Time: 1459

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.80	310.00	11.32	610.00	6.79
20.00	22.64	320.00	11.26	620.00	6.71
30.00	21.51	330.00	11.07	630.00	6.60
40.00	20.87	340.00	10.93	640.00	6.50
50.00	20.69	350.00	10.81	650.00	6.40
60.00	20.47	360.00	10.57	660.00	6.39
70.00	20.06	370.00	10.37	670.00	6.37
80.00	19.79	380.00	10.19	680.00	6.31
90.00	19.33	390.00	9.91		
100.00	18.72	400.00	9.64		
110.00	18.25	410.00	9.53		
120.00	17.82	420.00	9.39		
130.00	17.16	430.00	9.21		
140.00	16.40	440.00	9.08		
150.00	15.98	450.00	8.96		
160.00	15.61	460.00	8.88		
170.00	15.26	470.00	8.80		
180.00	14.97	480.00	8.64		
190.00	14.71	490.00	8.50		
200.00	14.52	500.00	8.38		
210.00	14.16	510.00	8.22		
220.00	13.81	520.00	8.08		
230.00	13.48	530.00	7.86		
240.00	13.20	540.00	7.76		
250.00	12.92	550.00	7.44		
260.00	12.69	560.00	7.22		
270.00	12.56	570.00	7.14		
280.00	12.23	580.00	7.14		
290.00	11.88	590.00	7.01		
300.00	11.60	600.00	6.93		

Cruise: GULFCET 01  
Latitude: 27° 05.98' N

Station: 05-049  
Longitude: 93° 29.98' W

Probe Type: T-7  
Date: 23-Apr-1992

Time: 1713

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.80	310.00	11.27	610.00	6.83
20.00	22.71	320.00	11.08	620.00	6.76
30.00	21.87	330.00	10.92	630.00	6.66
40.00	20.89	340.00	10.73	640.00	6.58
50.00	20.62	350.00	10.52	650.00	6.55
60.00	20.30	360.00	10.38	660.00	6.51
70.00	19.78	370.00	10.16	670.00	6.49
80.00	19.54	380.00	10.00	680.00	6.41
90.00	19.01	390.00	9.83	690.00	6.29
100.00	18.61	400.00	9.75	700.00	6.23
110.00	18.18	410.00	9.67	710.00	6.20
120.00	17.59	420.00	9.51	720.00	6.16
130.00	17.01	430.00	9.31	730.00	6.15
140.00	16.51	440.00	9.10	740.00	6.02
150.00	16.20	450.00	8.92	750.00	5.89
160.00	15.69	460.00	8.76	760.00	5.83
170.00	15.33	470.00	8.57		
180.00	14.88	480.00	8.44		
190.00	14.55	490.00	8.31		
200.00	14.17	500.00	8.21		
210.00	13.86	510.00	8.06		
220.00	13.51	520.00	7.94		
230.00	13.27	530.00	7.78		
240.00	13.13	540.00	7.61		
250.00	12.83	550.00	7.47		
260.00	12.53	560.00	7.39		
270.00	12.27	570.00	7.30		
280.00	11.96	580.00	7.12		
290.00	11.67	590.00	7.00		
300.00	11.42	600.00	6.91		

**Cruise:** GULFCET 01      **Station:** 05-051      **Probe Type:** T-7  
**Latitude:** 26° 43.00' N      **Longitude:** 93° 30.00' W      **Date:** 23-Apr-1992      **Time:** 2244

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.95	310.00	11.47	610.00	6.83
20.00	22.28	320.00	11.28	620.00	6.74
30.00	20.71	330.00	11.07	630.00	6.64
40.00	20.54	340.00	10.84	640.00	6.56
50.00	20.21	350.00	10.66	650.00	6.49
60.00	19.74	360.00	10.46	660.00	6.48
70.00	19.48	370.00	10.25	670.00	6.37
80.00	19.25	380.00	10.14	680.00	6.30
90.00	18.79	390.00	9.97	690.00	6.22
100.00	18.36	400.00	9.68	700.00	6.15
110.00	17.88	410.00	9.41	710.00	6.10
120.00	17.28	420.00	9.34	720.00	6.05
130.00	16.90	430.00	9.30	730.00	6.00
140.00	16.43	440.00	9.18	740.00	5.94
150.00	15.98	450.00	8.98		
160.00	15.52	460.00	8.86		
170.00	15.03	470.00	8.74		
180.00	14.86	480.00	8.59		
190.00	14.61	490.00	8.36		
200.00	14.39	500.00	8.21		
210.00	14.01	510.00	8.10		
220.00	13.53	520.00	7.95		
230.00	13.13	530.00	7.83		
240.00	12.89	540.00	7.70		
250.00	12.59	550.00	7.61		
260.00	12.44	560.00	7.53		
270.00	12.24	570.00	7.33		
280.00	12.05	580.00	7.20		
290.00	11.79	590.00	7.08		
300.00	11.61	600.00	6.93		

**Cruise:** GULFCET 01      **Station:** 05-052      **Probe Type:** T-7  
**Latitude:** 26° 32.01' N      **Longitude:** 93° 29.98' W      **Date:** 24-Apr-1992      **Time:** 0045

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.75	310.00	11.33	610.00	6.85
20.00	22.36	320.00	11.18	620.00	6.77
30.00	20.80	330.00	10.95	630.00	6.67
40.00	20.48	340.00	10.82	640.00	6.60
50.00	20.27	350.00	10.59	650.00	6.53
60.00	19.88	360.00	10.48	660.00	6.46
70.00	19.55	370.00	10.35	670.00	6.40
80.00	19.34	380.00	10.17	680.00	6.34
90.00	18.96	390.00	9.95	690.00	6.26
100.00	18.83	400.00	9.78	700.00	6.19
110.00	18.37	410.00	9.69	710.00	6.13
120.00	17.95	420.00	9.51	720.00	6.05
130.00	17.43	430.00	9.34	730.00	6.00
140.00	16.92	440.00	9.20	740.00	5.96
150.00	16.49	450.00	9.05		
160.00	15.97	460.00	8.87		
170.00	15.50	470.00	8.65		
180.00	15.11	480.00	8.48		
190.00	14.72	490.00	8.36		
200.00	14.34	500.00	8.21		
210.00	14.08	510.00	8.13		
220.00	13.82	520.00	8.04		
230.00	13.52	530.00	7.92		
240.00	13.20	540.00	7.76		
250.00	12.86	550.00	7.58		
260.00	12.61	560.00	7.49		
270.00	12.31	570.00	7.35		
280.00	12.04	580.00	7.19		
290.00	11.81	590.00	7.04		
300.00	11.58	600.00	6.91		

Cruise: GULFCET 01  
Latitude: 26° 52.02' N

Station: 06-056  
Longitude: 92° 50.03' W

Probe Type: T-7  
Date: 24-Apr-1992

Time: 1833

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.27	310.00	11.36	610.00	6.85
20.00	21.99	320.00	11.18	620.00	6.79
30.00	20.89	330.00	11.03	630.00	6.74
40.00	20.68	340.00	10.86	640.00	6.67
50.00	20.51	350.00	10.51	650.00	6.58
60.00	20.33	360.00	10.27	660.00	6.47
70.00	19.98	370.00	10.05	670.00	6.40
80.00	19.66	380.00	9.82	680.00	6.30
90.00	19.23	390.00	9.70	690.00	6.28
100.00	18.99	400.00	9.64	700.00	6.19
110.00	18.56	410.00	9.48	710.00	6.13
120.00	17.88	420.00	9.27	720.00	6.08
130.00	17.13	430.00	9.10	730.00	5.99
140.00	16.56	440.00	8.98	740.00	5.94
150.00	16.17	450.00	8.82	750.00	5.85
160.00	15.84	460.00	8.68	760.00	5.80
170.00	15.67	470.00	8.62		
180.00	15.48	480.00	8.51		
190.00	15.11	490.00	8.41		
200.00	14.80	500.00	8.30		
210.00	14.46	510.00	8.13		
220.00	13.99	520.00	7.97		
230.00	13.64	530.00	7.82		
240.00	13.28	540.00	7.64		
250.00	12.93	550.00	7.53		
260.00	12.65	560.00	7.44		
270.00	12.43	570.00	7.37		
280.00	12.18	580.00	7.25		
290.00	11.96	590.00	7.11		
300.00	11.61	600.00	6.96		

Cruise: GULFCET 01  
Latitude: 26° 58.25' N

Station: 06-057  
Longitude: 92° 50.06' W

Probe Type: T-7  
Date: 24-Apr-1992

Time: 1935

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.15	310.00	11.48	610.00	6.92
20.00	22.62	320.00	11.25	620.00	6.75
30.00	21.71	330.00	11.03	630.00	6.64
40.00	21.22	340.00	10.79	640.00	6.60
50.00	20.83	350.00	10.61	650.00	6.49
60.00	20.62	360.00	10.42	660.00	6.39
70.00	20.24	370.00	10.25	670.00	6.36
80.00	19.92	380.00	10.03	680.00	6.32
90.00	19.41	390.00	9.87	690.00	6.30
100.00	18.75	400.00	9.78	700.00	6.25
110.00	17.90	410.00	9.65	710.00	6.21
120.00	17.45	420.00	9.37	720.00	6.20
130.00	17.22	430.00	9.26	730.00	6.12
140.00	16.76	440.00	9.06	740.00	6.06
150.00	16.29	450.00	8.90	750.00	5.97
160.00	15.77	460.00	8.75	760.00	5.93
170.00	15.49	470.00	8.56		
180.00	15.18	480.00	8.42		
190.00	14.88	490.00	8.31		
200.00	14.54	500.00	8.21		
210.00	14.26	510.00	8.10		
220.00	13.81	520.00	7.90		
230.00	13.51	530.00	7.81		
240.00	13.29	540.00	7.77		
250.00	12.98	550.00	7.62		
260.00	12.74	560.00	7.52		
270.00	12.47	570.00	7.38		
280.00	12.28	580.00	7.24		
290.00	11.95	590.00	7.12		
300.00	11.75	600.00	7.02		

**Cruise:** GULFCET 01      **Station:** 06-058      **Probe Type:** T-7  
**Latitude:** 27° 19.00' N      **Longitude:** 92° 50.00' W      **Date:** 24-Apr-1992      **Time:** 2328

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.17	310.00	11.62	610.00	6.92
20.00	22.62	320.00	11.41	620.00	6.83
30.00	22.56	330.00	11.16	630.00	6.73
40.00	21.27	340.00	10.91	640.00	6.59
50.00	20.90	350.00	10.60	650.00	6.48
60.00	20.66	360.00	10.33	660.00	6.42
70.00	20.42	370.00	10.10	670.00	6.40
80.00	20.13	380.00	9.86	680.00	6.37
90.00	19.79	390.00	9.78	690.00	6.28
100.00	19.10	400.00	9.60	700.00	6.22
110.00	18.33	410.00	9.42	710.00	6.15
120.00	17.75	420.00	9.31	720.00	6.05
130.00	17.36	430.00	9.08	730.00	6.01
140.00	17.07	440.00	8.92	740.00	6.01
150.00	16.51	450.00	8.76	750.00	5.93
160.00	16.12	460.00	8.61	760.00	5.87
170.00	15.88	470.00	8.41		
180.00	15.35	480.00	8.25		
190.00	15.13	490.00	8.14		
200.00	14.88	500.00	8.08		
210.00	14.46	510.00	8.02		
220.00	14.10	520.00	7.87		
230.00	13.81	530.00	7.68		
240.00	13.50	540.00	7.59		
250.00	13.30	550.00	7.53		
260.00	13.01	560.00	7.44		
270.00	12.72	570.00	7.33		
280.00	12.33	580.00	7.24		
290.00	12.07	590.00	7.15		
300.00	11.89	600.00	7.04		

**Cruise:** GULFCET 01      **Station:** 06-060      **Probe Type:** T-7  
**Latitude:** 27° 34.51' N      **Longitude:** 92° 49.99' W      **Date:** 25-Apr-1992      **Time:** 0411

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.11	310.00	11.88	610.00	7.07
20.00	22.67	320.00	11.60	620.00	6.94
30.00	21.65	330.00	11.33	630.00	6.70
40.00	21.07	340.00	11.06	640.00	6.55
50.00	20.98	350.00	10.72	650.00	6.52
60.00	20.72	360.00	10.60	660.00	6.34
70.00	20.14	370.00	10.34	670.00	6.06
80.00	19.63	380.00	10.10		
90.00	19.40	390.00	9.95		
100.00	19.21	400.00	9.71		
110.00	18.90	410.00	9.59		
120.00	18.59	420.00	9.48		
130.00	18.03	430.00	9.34		
140.00	17.68	440.00	9.14		
150.00	17.36	450.00	8.96		
160.00	16.79	460.00	8.77		
170.00	16.28	470.00	8.57		
180.00	15.82	480.00	8.44		
190.00	15.50	490.00	8.20		
200.00	15.17	500.00	8.10		
210.00	14.84	510.00	8.01		
220.00	14.55	520.00	7.86		
230.00	14.28	530.00	7.77		
240.00	13.83	540.00	7.65		
250.00	13.59	550.00	7.53		
260.00	13.19	560.00	7.44		
270.00	12.81	570.00	7.33		
280.00	12.56	580.00	7.21		
290.00	12.29	590.00	7.16		
300.00	12.03	600.00	7.10		

**Cruise:** GULFCET 01  
**Latitude:** 27° 41.05' N

**Station:** 06-061  
**Longitude:** 92° 50.03' W

**Probe Type:** T-7  
**Date:** 25-Apr-1992  
**Time:** 0510

Depth (m)	Temp. (°C)
10.00	23.03
20.00	22.65
30.00	22.04
40.00	21.00
50.00	20.78
60.00	20.58
70.00	20.21
80.00	19.93
90.00	19.69
100.00	19.59
110.00	19.27
120.00	19.06
130.00	18.55
140.00	18.23
150.00	17.76
160.00	17.47
170.00	16.93
180.00	16.52
190.00	16.01
200.00	15.72

**Cruise:** GULFCET 01  
**Latitude:** 27° 43.04' N

**Station:** 06-062  
**Longitude:** 92° 50.08' W

**Probe Type:** T-10  
**Date:** 25-Apr-1992  
**Time:** 0528

Depth (m)	Temp. (°C)
10.00	22.92
20.00	22.61
30.00	21.56
40.00	20.87
50.00	20.78
60.00	20.71
70.00	20.47
80.00	20.05
90.00	19.76
100.00	19.60
110.00	19.46
120.00	19.16
130.00	18.47
140.00	18.20
150.00	17.70
160.00	17.07
170.00	16.58
180.00	16.34
190.00	15.96
200.00	15.61

**Cruise:** GULFCET 01      **Station:** 06-063      **Probe Type:** T-10  
**Latitude:** 27° 54.50' N      **Longitude:** 92° 50.00' W      **Date:** 25-Apr-1992      **Time:** 0715

Depth (m)	Temp. (°C)
10.00	22.87
20.00	22.28
30.00	21.37
40.00	20.88
50.00	20.44
60.00	20.19
70.00	19.76
80.00	19.66
90.00	19.65
100.00	19.59
110.00	19.21
120.00	18.78
130.00	18.12
140.00	17.83
150.00	17.52
160.00	17.31
170.00	16.85
180.00	16.78
190.00	16.74

**Cruise:** GULFCET 01      **Station:** 06-064      **Probe Type:** T-10  
**Latitude:** 28° 02.00' N      **Longitude:** 92° 50.00' W      **Date:** 25-Apr-1992      **Time:** 0822

Depth (m)	Temp. (°C)
10.00	22.75
20.00	21.80
30.00	21.08
40.00	20.56
50.00	20.08
60.00	19.88
70.00	19.88

**Cruise:** GULFCET 01      **Station:** 06-EX1      **Probe Type:** T-10  
**Latitude:** 26° 41.16' N      **Longitude:** 92° 20.80' W      **Date:** 24-Apr-1992      **Time:** 1549

Depth (m)	Temp. (°C)
10.00	24.34
20.00	24.07
30.00	23.54
40.00	21.07
50.00	20.83
60.00	20.20
70.00	19.83
80.00	19.29
90.00	19.02
100.00	19.14
110.00	18.84
120.00	18.14
130.00	17.49
140.00	17.11
150.00	16.61
160.00	16.20
170.00	15.82
180.00	15.65
190.00	15.30
200.00	14.99

**Cruise:** GULFCET 01      **Station:** 07-065      **Probe Type:** T-10  
**Latitude:** 28° 01.94' N      **Longitude:** 92° 09.99' W      **Date:** 25-Apr-1992      **Time:** 1259

Depth (m)	Temp. (°C)
10.00	22.93
20.00	22.63
30.00	22.19
40.00	21.49
50.00	21.15
60.00	20.80
70.00	20.51
80.00	20.14
90.00	19.78
100.00	19.55

**Cruise:** GULFCET 01      **Station:** 07-066      **Probe Type:** T-10  
**Latitude:** 27° 52.97' N      **Longitude:** 92° 09.97' W      **Date:** 25-Apr-1992      **Time:** 1421

Depth (m)	Temp. (°C)
10.00	23.49
20.00	22.79
30.00	22.12
40.00	21.09
50.00	20.87
60.00	20.69
70.00	20.36
80.00	20.00
90.00	19.91
100.00	19.45
110.00	18.95
120.00	18.72
130.00	18.56
140.00	17.96
150.00	16.98
160.00	16.76
170.00	16.31
180.00	15.99
190.00	15.29
200.00	14.94

**Cruise:** GULFCET 01      **Station:** 07-067      **Probe Type:** T-10  
**Latitude:** 27° 52.02' N      **Longitude:** 92° 10.08' W      **Date:** 25-Apr-1992      **Time:** 1432

Depth (m)	Temp. (°C)
10.00	23.45
20.00	22.78
30.00	21.85
40.00	21.00
50.00	20.80
60.00	20.68
70.00	20.31
80.00	20.05
90.00	19.85
100.00	19.56
110.00	18.89
120.00	18.62
130.00	18.28
140.00	17.85
150.00	16.76
160.00	16.41
170.00	16.20
180.00	15.87
190.00	15.55
200.00	15.27

Cruise: GULFCET 01  
Latitude: 27° 45.00' N

Station: 07-068  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 25-Apr-1992

Time: 1534

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.26	310.00	11.77
20.00	22.75	320.00	11.46
30.00	21.26	330.00	11.28
40.00	20.76	340.00	11.06
50.00	20.50	350.00	10.80
60.00	20.27	360.00	10.57
70.00	20.10	370.00	10.26
80.00	19.75	380.00	9.89
90.00	19.38	390.00	9.76
100.00	19.07	400.00	9.51
110.00	18.24	410.00	9.27
120.00	17.85	420.00	9.22
130.00	17.32	430.00	9.14
140.00	16.71	440.00	8.94
150.00	16.50	450.00	8.83
160.00	16.02	460.00	8.71
170.00	15.50	470.00	8.52
180.00	15.17	480.00	8.40
190.00	14.88		
200.00	14.61		
210.00	14.21		
220.00	13.94		
230.00	13.78		
240.00	13.59		
250.00	13.27		
260.00	13.10		
270.00	12.86		
280.00	12.59		
290.00	12.39		
300.00	12.08		

Cruise: GULFCET 01  
Latitude: 27° 37.00' N

Station: 07-069  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 25-Apr-1992

Time: 1649

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.51	310.00	11.70	610.00	6.68
20.00	22.71	320.00	11.45	620.00	6.61
30.00	21.47	330.00	11.36	630.00	6.53
40.00	21.05	340.00	11.22	640.00	6.46
50.00	20.79	350.00	11.05	650.00	6.39
60.00	20.49	360.00	10.81	660.00	6.36
70.00	20.17	370.00	10.28	670.00	6.32
80.00	19.95	380.00	10.02	680.00	6.27
90.00	19.56	390.00	9.88	690.00	6.24
100.00	19.22	400.00	9.74	700.00	6.21
110.00	18.42	410.00	9.40	710.00	6.10
120.00	17.69	420.00	9.01	720.00	6.08
130.00	16.87	430.00	8.66	730.00	6.05
140.00	16.36	440.00	8.49		
150.00	16.00	450.00	8.34		
160.00	15.60	460.00	8.19		
170.00	15.20	470.00	8.05		
180.00	14.86	480.00	7.87		
190.00	14.42	490.00	7.70		
200.00	14.19	500.00	7.65		
210.00	13.99	510.00	7.57		
220.00	13.80	520.00	7.50		
230.00	13.54	530.00	7.32		
240.00	13.24	540.00	7.23		
250.00	12.95	550.00	7.05		
260.00	12.71	560.00	6.99		
270.00	12.53	570.00	6.85		
280.00	12.30	580.00	6.76		
290.00	12.12	590.00	6.73		
300.00	11.92	600.00	6.72		



Cruise: GULFCET 01  
Latitude: 27° 29.50' N

Station: 07-070  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 25-Apr-1992

Time: 1756

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.80	310.00	11.35	610.00	6.66
20.00	23.23	320.00	11.05	620.00	6.59
30.00	21.09	330.00	10.82	630.00	6.48
40.00	20.78	340.00	10.66	640.00	6.37
50.00	20.60	350.00	10.48	650.00	6.31
60.00	20.32	360.00	10.25	660.00	6.24
70.00	19.81	370.00	10.16	670.00	6.18
80.00	19.54	380.00	9.96	680.00	6.05
90.00	19.06	390.00	9.71	690.00	5.97
100.00	18.79	400.00	9.43	700.00	5.92
110.00	17.95	410.00	9.13	710.00	5.85
120.00	17.38	420.00	8.95	720.00	5.83
130.00	16.77	430.00	8.76	730.00	5.77
140.00	16.35	440.00	8.67	740.00	5.72
150.00	15.83	450.00	8.57	750.00	5.71
160.00	15.47	460.00	8.38	760.00	5.65
170.00	15.16	470.00	8.27		
180.00	14.78	480.00	8.10		
190.00	14.53	490.00	7.94		
200.00	14.13	500.00	7.80		
210.00	13.74	510.00	7.69		
220.00	13.40	520.00	7.62		
230.00	13.22	530.00	7.47		
240.00	13.01	540.00	7.35		
250.00	12.68	550.00	7.29		
260.00	12.46	560.00	7.16		
270.00	12.29	570.00	6.99		
280.00	12.13	580.00	6.87		
290.00	11.73	590.00	6.81		
300.00	11.53	600.00	6.73		

Cruise: GULFCET 01  
Latitude: 27° 26.50' N

Station: 07-071  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 25-Apr-1992

Time: 1832

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.66	310.00	11.12	610.00	6.55
20.00	22.84	320.00	10.72	620.00	6.45
30.00	20.72	330.00	10.43	630.00	6.39
40.00	20.77	340.00	10.34	640.00	6.32
50.00	20.43	350.00	10.22	650.00	6.32
60.00	20.16	360.00	10.02	660.00	6.22
70.00	19.71	370.00	9.76	670.00	6.06
80.00	19.41	380.00	9.58	680.00	5.96
90.00	18.92	390.00	9.46	690.00	5.87
100.00	18.18	400.00	9.38	700.00	5.84
110.00	17.98	410.00	9.18	710.00	5.77
120.00	17.65	420.00	9.02	720.00	5.68
130.00	16.73	430.00	8.80	730.00	5.57
140.00	16.03	440.00	8.54	740.00	5.52
150.00	15.61	450.00	8.40		
160.00	15.18	460.00	8.27		
170.00	14.90	470.00	8.13		
180.00	14.45	480.00	7.98		
190.00	14.17	490.00	7.91		
200.00	13.80	500.00	7.81		
210.00	13.52	510.00	7.63		
220.00	13.20	520.00	7.47		
230.00	12.91	530.00	7.40		
240.00	12.69	540.00	7.29		
250.00	12.41	550.00	7.16		
260.00	12.16	560.00	7.06		
270.00	11.90	570.00	7.02		
280.00	11.66	580.00	6.88		
290.00	11.48	590.00	6.74		
300.00	11.33	600.00	6.67		

**Cruise:** GULFCET 01      **Station:** 07-072      **Probe Type:** T-7  
**Latitude:** 27° 10.03' N      **Longitude:** 92° 10.06' W      **Date:** 25-Apr-1992      **Time:** 2221

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.64	310.00	9.67
20.00	22.39	320.00	9.62
30.00	21.05	330.00	9.35
40.00	20.85	340.00	9.09
50.00	20.66	350.00	8.88
60.00	20.48	360.00	8.74
70.00	20.29	370.00	8.56
80.00	20.06	380.00	8.39
90.00	19.63	390.00	8.16
100.00	19.23	400.00	8.02
110.00	18.24	410.00	7.99
120.00	17.14	420.00	7.83
130.00	16.00	430.00	7.65
140.00	15.56	440.00	7.55
150.00	14.81	450.00	7.50
160.00	14.23	460.00	7.41
170.00	13.74	470.00	7.22
180.00	13.44	480.00	7.18
190.00	12.98	490.00	7.08
200.00	12.60	500.00	7.03
210.00	12.22	510.00	6.84
220.00	12.00	520.00	6.77
230.00	11.79	530.00	6.72
240.00	11.47	540.00	6.65
250.00	11.21	550.00	6.55
260.00	10.91	560.00	6.52
270.00	10.76	570.00	6.48
280.00	10.46		
290.00	10.23		
300.00	9.95		

**Cruise:** GULFCET 01      **Station:** 07-073      **Probe Type:** T-7  
**Latitude:** 26° 46.00' N      **Longitude:** 92° 10.00' W      **Date:** 26-Apr-1992      **Time:** 0208

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.51	310.00	10.26	610.00	6.43
20.00	23.15	320.00	10.11	620.00	6.29
30.00	21.31	330.00	9.85	630.00	6.28
40.00	20.94	340.00	9.69	640.00	6.26
50.00	20.69	350.00	9.49	650.00	6.20
60.00	20.59	360.00	9.24	660.00	6.11
70.00	20.45	370.00	9.08	670.00	6.04
80.00	20.20	380.00	8.89	680.00	6.01
90.00	19.80	390.00	8.66	690.00	5.96
100.00	19.48	400.00	8.56	700.00	5.87
110.00	18.46	410.00	8.45	710.00	5.80
120.00	17.68	420.00	8.36	720.00	5.75
130.00	16.81	430.00	8.20	730.00	5.74
140.00	16.21	440.00	8.08	740.00	5.70
150.00	15.59	450.00	8.03	750.00	5.62
160.00	15.10	460.00	7.85	760.00	5.58
170.00	14.65	470.00	7.67		
180.00	14.16	480.00	7.54		
190.00	13.76	490.00	7.44		
200.00	13.29	500.00	7.36		
210.00	12.90	510.00	7.25		
220.00	12.62	520.00	7.16		
230.00	12.37	530.00	7.06		
240.00	12.07	540.00	6.89		
250.00	11.66	550.00	6.83		
260.00	11.38	560.00	6.75		
270.00	11.03	570.00	6.63		
280.00	10.85	580.00	6.61		
290.00	10.66	590.00	6.51		
300.00	10.51	600.00	6.48		

Cruise: GULFCET 01  
Latitude: 26° 35.00' N

Station: 07-074  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 26-Apr-1992

Time: 0356

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	24.38	310.00	11.86	610.00	6.99
20.00	24.10	320.00	11.57	620.00	6.85
30.00	23.81	330.00	11.28	630.00	6.78
40.00	21.53	340.00	11.07	640.00	6.72
50.00	21.07	350.00	10.89	650.00	6.64
60.00	20.54	360.00	10.66	660.00	6.55
70.00	20.39	370.00	10.54	670.00	6.50
80.00	19.87	380.00	10.27	680.00	6.47
90.00	19.56	390.00	10.09	690.00	6.35
100.00	19.16	400.00	9.94	700.00	6.31
110.00	19.00	410.00	9.69	710.00	6.24
120.00	18.40	420.00	9.53	720.00	6.19
130.00	17.98	430.00	9.30	730.00	6.09
140.00	17.63	440.00	9.13	740.00	6.02
150.00	17.34	450.00	8.99	750.00	5.98
160.00	16.68	460.00	8.86	760.00	5.93
170.00	16.17	470.00	8.66		
180.00	15.69	480.00	8.50		
190.00	15.32	490.00	8.37		
200.00	15.06	500.00	8.24		
210.00	14.77	510.00	8.12		
220.00	14.23	520.00	7.99		
230.00	13.87	530.00	7.84		
240.00	13.70	540.00	7.73		
250.00	13.44	550.00	7.61		
260.00	13.12	560.00	7.44		
270.00	12.92	570.00	7.32		
280.00	12.67	580.00	7.21		
290.00	12.47	590.00	7.14		
300.00	12.19	600.00	7.08		

Cruise: GULFCET 01  
Latitude: 27° 06.42' N

Station: 08-077  
Longitude: 91° 30.00' W

Probe Type: T-7  
Date: 26-Apr-1992

Time: 1741

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.31	310.00	11.43	610.00	7.04
20.00	22.39	320.00	11.20	620.00	6.92
30.00	21.41	330.00	10.98	630.00	6.86
40.00	21.01	340.00	10.84	640.00	6.81
50.00	20.97	350.00	10.59	650.00	6.66
60.00	20.54	360.00	10.47	660.00	6.53
70.00	20.00	370.00	10.39	670.00	6.48
80.00	19.79	380.00	10.28	680.00	6.38
90.00	19.16	390.00	10.07	690.00	6.33
100.00	19.04	400.00	9.87	700.00	6.26
110.00	18.52	410.00	9.69	710.00	6.17
120.00	18.08	420.00	9.51	720.00	6.11
130.00	17.40	430.00	9.23	730.00	6.09
140.00	16.93	440.00	9.10	740.00	6.03
150.00	16.46	450.00	8.95	750.00	5.98
160.00	15.88	460.00	8.82	760.00	5.95
170.00	15.39	470.00	8.64		
180.00	15.08	480.00	8.51		
190.00	14.91	490.00	8.41		
200.00	14.49	500.00	8.29		
210.00	14.05	510.00	8.15		
220.00	13.64	520.00	8.05		
230.00	13.30	530.00	7.88		
240.00	13.11	540.00	7.77		
250.00	12.80	550.00	7.66		
260.00	12.58	560.00	7.49		
270.00	12.35	570.00	7.37		
280.00	12.10	580.00	7.35		
290.00	11.90	590.00	7.27		
300.00	11.72	600.00	7.17		

**Cruise:** GULFCET 01      **Station:** 08-078      **Probe Type:** T-7  
**Latitude:** 27° 11.00' N      **Longitude:** 91° 30.00' W      **Date:** 26-Apr-1992      **Time:** 1830

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.32	310.00	11.49	610.00	7.12
20.00	22.86	320.00	11.20	620.00	7.03
30.00	21.14	330.00	11.02	630.00	6.94
40.00	20.89	340.00	10.88	640.00	6.88
50.00	20.62	350.00	10.66	650.00	6.79
60.00	20.30	360.00	10.58	660.00	6.65
70.00	19.86	370.00	10.44	670.00	6.57
80.00	19.38	380.00	10.29	680.00	6.50
90.00	19.05	390.00	10.16	690.00	6.39
100.00	18.83	400.00	9.89	700.00	6.35
110.00	18.41	410.00	9.65	710.00	6.30
120.00	17.82	420.00	9.57	720.00	6.25
130.00	17.42	430.00	9.32	730.00	6.19
140.00	16.78	440.00	9.23	740.00	6.14
150.00	16.42	450.00	8.95	750.00	6.08
160.00	15.87	460.00	8.86	760.00	6.01
170.00	15.69	470.00	8.74		
180.00	15.41	480.00	8.58		
190.00	15.09	490.00	8.38		
200.00	14.78	500.00	8.20		
210.00	14.28	510.00	8.13		
220.00	13.92	520.00	8.02		
230.00	13.65	530.00	7.89		
240.00	13.45	540.00	7.72		
250.00	13.19	550.00	7.68		
260.00	12.88	560.00	7.55		
270.00	12.51	570.00	7.48		
280.00	12.23	580.00	7.44		
290.00	11.99	590.00	7.34		
300.00	11.78	600.00	7.19		

**Cruise:** GULFCET 01      **Station:** 08-079      **Probe Type:** T-7  
**Latitude:** 27° 22.99' N      **Longitude:** 91° 29.98' W      **Date:** 26-Apr-1992      **Time:** 2023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.32	310.00	11.67	610.00	6.87
20.00	22.99	320.00	11.43	620.00	6.70
30.00	21.14	330.00	11.13	630.00	6.59
40.00	20.93	340.00	10.92	640.00	6.48
50.00	20.59	350.00	10.72	650.00	6.41
60.00	20.22	360.00	10.51	660.00	6.34
70.00	20.01	370.00	10.27	670.00	6.28
80.00	19.65	380.00	10.09	680.00	6.21
90.00	19.06	390.00	9.98	690.00	6.15
100.00	18.76	400.00	9.88	700.00	6.07
110.00	18.45	410.00	9.72	710.00	6.02
120.00	18.03	420.00	9.50	720.00	5.95
130.00	17.49	430.00	9.41	730.00	5.90
140.00	16.82	440.00	9.28	740.00	5.85
150.00	16.47	450.00	9.12	750.00	5.80
160.00	16.00	460.00	9.05	760.00	5.71
170.00	15.58	470.00	8.93		
180.00	15.17	480.00	8.79		
190.00	14.70	490.00	8.55		
200.00	14.42	500.00	8.35		
210.00	14.17	510.00	8.27		
220.00	13.77	520.00	8.14		
230.00	13.40	530.00	7.89		
240.00	12.99	540.00	7.74		
250.00	12.83	550.00	7.59		
260.00	12.57	560.00	7.50		
270.00	12.43	570.00	7.38		
280.00	12.18	580.00	7.20		
290.00	12.04	590.00	7.08		
300.00	11.85	600.00	6.98		

**Cruise:** GULFCET 01      **Station:** 08-081      **Probe Type:** T-7  
**Latitude:** 27° 33.00' N      **Longitude:** 91° 30.00' W      **Date:** 26-Apr-1992      **Time:** 2159

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.12	310.00	11.45	610.00	6.97
20.00	23.07	320.00	11.27	620.00	6.85
30.00	21.92	330.00	11.06	630.00	6.77
40.00	21.14	340.00	10.84	640.00	6.73
50.00	20.95	350.00	10.66	650.00	6.66
60.00	20.67	360.00	10.55	660.00	6.58
70.00	20.42	370.00	10.23	670.00	6.49
80.00	20.27	380.00	9.83	680.00	6.41
90.00	20.05	390.00	9.62	690.00	6.25
100.00	19.61	400.00	9.49	700.00	6.23
110.00	18.62	410.00	9.35	710.00	6.15
120.00	18.05	420.00	9.21	720.00	6.12
130.00	17.63	430.00	9.10	730.00	6.07
140.00	17.20	440.00	8.92	740.00	6.00
150.00	16.61	450.00	8.67	750.00	5.93
160.00	16.22	460.00	8.55	760.00	5.87
170.00	15.65	470.00	8.49		
180.00	15.34	480.00	8.21		
190.00	14.82	490.00	8.14		
200.00	14.46	500.00	8.02		
210.00	14.14	510.00	7.94		
220.00	13.78	520.00	7.90		
230.00	13.47	530.00	7.81		
240.00	13.15	540.00	7.74		
250.00	12.89	550.00	7.62		
260.00	12.74	560.00	7.52		
270.00	12.49	570.00	7.41		
280.00	12.27	580.00	7.28		
290.00	12.02	590.00	7.14		
300.00	11.78	600.00	7.04		

**Cruise:** GULFCET 01      **Station:** 08-082      **Probe Type:** T-7  
**Latitude:** 27° 45.51' N      **Longitude:** 91° 29.99' W      **Date:** 27-Apr-1992      **Time:** 0003

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.67	310.00	11.64	610.00	6.84
20.00	22.67	320.00	11.39	620.00	6.82
30.00	22.09	330.00	11.15	630.00	6.67
40.00	21.18	340.00	10.99	640.00	6.50
50.00	20.91	350.00	10.74	650.00	6.47
60.00	20.78	360.00	10.59	660.00	6.45
70.00	20.67	370.00	10.33	670.00	6.41
80.00	20.55	380.00	10.12	680.00	6.38
90.00	20.20	390.00	9.98	690.00	6.35
100.00	19.83	400.00	9.64	700.00	6.26
110.00	19.37	410.00	9.53	710.00	6.24
120.00	19.01	420.00	9.26	720.00	6.18
130.00	18.36	430.00	8.98		
140.00	17.44	440.00	8.75		
150.00	16.81	450.00	8.54		
160.00	16.18	460.00	8.45		
170.00	15.75	470.00	8.19		
180.00	15.45	480.00	8.11		
190.00	15.08	490.00	7.92		
200.00	14.81	500.00	7.69		
210.00	14.49	510.00	7.51		
220.00	14.14	520.00	7.44		
230.00	13.87	530.00	7.38		
240.00	13.58	540.00	7.33		
250.00	13.35	550.00	7.18		
260.00	13.04	560.00	7.13		
270.00	12.78	570.00	7.05		
280.00	12.50	580.00	7.00		
290.00	12.30	590.00	6.92		
300.00	11.91	600.00	6.92		

**Cruise:** GULFCET 01  
**Latitude:** 27° 49.58' N

**Station:** 08-083  
**Longitude:** 91° 29.97' W

**Probe Type:** T-7  
**Date:** 27-Apr-1992 **Time:** 0042

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.39	310.00	11.30
20.00	22.37	320.00	10.92
30.00	22.17	330.00	10.55
40.00	21.07	340.00	10.19
50.00	20.92	350.00	9.98
60.00	20.78		
70.00	20.70		
80.00	20.51		
90.00	20.22		
100.00	19.89		
110.00	19.26		
120.00	18.50		
130.00	17.94		
140.00	17.32		
150.00	16.97		
160.00	16.52		
170.00	16.20		
180.00	15.82		
190.00	15.33		
200.00	15.09		
210.00	14.89		
220.00	14.53		
230.00	14.33		
240.00	13.91		
250.00	13.12		
260.00	12.99		
270.00	12.78		
280.00	12.59		
290.00	12.36		
300.00	11.91		

**Cruise:** GULFCET 01  
**Latitude:** 27° 52.02' N

**Station:** 08-084  
**Longitude:** 91° 30.00' W

**Probe Type:** T-7  
**Date:** 27-Apr-1992 **Time:** 0107

Depth (m)	Temp. (°C)
10.00	22.37
20.00	22.35
30.00	22.30
40.00	21.06
50.00	20.88
60.00	20.75
70.00	20.69
80.00	20.62
90.00	20.38
100.00	20.02
110.00	19.65
120.00	18.42
130.00	17.97
140.00	17.78
150.00	17.43
160.00	16.95
170.00	16.45
180.00	16.20
190.00	15.98
200.00	15.53
210.00	15.31
220.00	14.70
230.00	14.13
240.00	12.97

**Cruise:** GULFCET 01  
**Latitude:** 27° 52.99' N

**Station:** 08-085  
**Longitude:** 91° 30.01' W

**Probe Type:** T-10  
**Date:** 27-Apr-1992  
**Time:** 0116

Depth (m)	Temp. (°C)
10.00	22.41
20.00	22.39
30.00	22.13
40.00	21.10
50.00	20.87
60.00	20.76
70.00	20.69
80.00	20.59
90.00	20.44
100.00	20.04
110.00	19.67
120.00	19.07
130.00	18.59
140.00	17.94
150.00	17.37
160.00	17.01
170.00	16.89
180.00	16.14
190.00	15.97

**Cruise:** GULFCET 01  
**Latitude:** 28° 00.03' N

**Station:** 09-089  
**Longitude:** 90° 50.02' W

**Probe Type:** T-7  
**Date:** 27-Apr-1992  
**Time:** 0958

Depth (m)	Temp. (°C)
10.00	23.32
20.00	23.29
30.00	23.06
40.00	22.08
50.00	21.29
60.00	21.11
70.00	20.68
80.00	20.42
90.00	19.82
100.00	19.53
110.00	18.89
120.00	18.31
130.00	17.68
140.00	16.91
150.00	16.46
160.00	15.97
170.00	15.46
180.00	14.96
190.00	14.71
200.00	14.57
210.00	14.38
220.00	13.87
230.00	13.34
240.00	13.09
250.00	12.62
260.00	12.38
270.00	12.06
280.00	11.64
290.00	11.28
300.00	11.09

**Cruise:** GULFCET 01      **Station:** 09-090      **Probe Type:** T-7  
**Latitude:** 27° 51.95' N      **Longitude:** 90° 49.99' W      **Date:** 27-Apr-1992      **Time:** 1110

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.77	310.00	11.43
20.00	22.77	320.00	11.16
30.00	22.76	330.00	10.91
40.00	21.76	340.00	10.64
50.00	20.96	350.00	10.48
60.00	20.66	360.00	10.35
70.00	20.48	370.00	9.95
80.00	20.16	380.00	9.48
90.00	19.39	390.00	9.19
100.00	18.78	400.00	8.99
110.00	18.44	410.00	8.96
120.00	18.16	420.00	8.87
130.00	17.74	430.00	8.65
140.00	17.25		
150.00	16.89		
160.00	16.42		
170.00	15.93		
180.00	15.56		
190.00	15.22		
200.00	14.74		
210.00	14.42		
220.00	13.94		
230.00	13.72		
240.00	13.56		
250.00	13.07		
260.00	12.68		
270.00	12.57		
280.00	12.43		
290.00	12.06		
300.00	11.59		

**Cruise:** GULFCET 01      **Station:** 09-091      **Probe Type:** T-7  
**Latitude:** 27° 45.68' N      **Longitude:** 90° 49.93' W      **Date:** 27-Apr-1992      **Time:** 1208

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.61	310.00	11.06	610.00	6.51
20.00	22.54	320.00	10.77	620.00	6.46
30.00	22.49	330.00	10.56	630.00	6.36
40.00	20.99	340.00	10.24	640.00	6.35
50.00	20.46	350.00	9.95	650.00	6.25
60.00	20.04	360.00	9.72	660.00	6.23
70.00	19.66	370.00	9.62	670.00	6.14
80.00	19.19	380.00	9.33	680.00	6.07
90.00	18.98	390.00	9.29	690.00	5.94
100.00	18.67	400.00	9.14	700.00	5.83
110.00	17.99	410.00	8.96		
120.00	17.32	420.00	8.89		
130.00	17.01	430.00	8.42		
140.00	16.43	440.00	8.32		
150.00	16.10	450.00	8.14		
160.00	15.79	460.00	7.99		
170.00	15.51	470.00	7.82		
180.00	15.03	480.00	7.55		
190.00	14.77	490.00	7.47		
200.00	14.35	500.00	7.43		
210.00	14.01	510.00	7.35		
220.00	13.63	520.00	7.30		
230.00	13.38	530.00	7.21		
240.00	12.99	540.00	7.19		
250.00	12.88	550.00	7.10		
260.00	12.36	560.00	7.06		
270.00	12.20	570.00	6.94		
280.00	11.84	580.00	6.92		
290.00	11.57	590.00	6.79		
300.00	11.31	600.00	6.70		



Cruise: GULFCET 01  
Latitude: 27° 39.51' N

Station: 09-092  
Longitude: 90° 49.99' W

Probe Type: T-7  
Date: 27-Apr-1992

Time: 1304

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.91	310.00	11.12	610.00	6.51
20.00	22.86	320.00	10.93	620.00	6.42
30.00	22.76	330.00	10.70	630.00	6.37
40.00	21.40	340.00	10.50	640.00	6.31
50.00	20.90	350.00	10.29	650.00	6.27
60.00	20.47	360.00	10.01	660.00	6.22
70.00	20.39	370.00	9.84	670.00	6.12
80.00	19.68	380.00	9.61	680.00	6.02
90.00	19.40	390.00	9.54	690.00	5.97
100.00	18.86	400.00	9.34	700.00	5.94
110.00	18.33	410.00	9.19	710.00	5.88
120.00	17.81	420.00	9.05	720.00	5.84
130.00	17.39	430.00	8.84	730.00	5.77
140.00	16.92	440.00	8.78	740.00	5.75
150.00	16.52	450.00	8.59	750.00	5.70
160.00	16.16	460.00	8.46		
170.00	15.64	470.00	8.25		
180.00	15.30	480.00	8.14		
190.00	15.06	490.00	8.00		
200.00	14.74	500.00	7.84		
210.00	14.42	510.00	7.67		
220.00	14.04	520.00	7.53		
230.00	13.69	530.00	7.41		
240.00	13.36	540.00	7.29		
250.00	12.98	550.00	7.24		
260.00	12.64	560.00	7.11		
270.00	12.33	570.00	7.05		
280.00	11.99	580.00	6.84		
290.00	11.72	590.00	6.73		
300.00	11.49	600.00	6.62		

Cruise: GULFCET 01  
Latitude: 27° 16.00' N

Station: 09-094  
Longitude: 90° 50.00' W

Probe Type: T-7  
Date: 27-Apr-1992

Time: 1715

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.20	310.00	11.79	610.00	6.82
20.00	23.14	320.00	11.59	620.00	6.67
30.00	22.31	330.00	11.32	630.00	6.54
40.00	21.83	340.00	11.04	640.00	6.41
50.00	21.23	350.00	10.79	650.00	6.34
60.00	20.92	360.00	10.66	660.00	6.26
70.00	20.57	370.00	10.48	670.00	6.18
80.00	20.28	380.00	10.32	680.00	6.11
90.00	19.93	390.00	10.10	690.00	6.06
100.00	19.44	400.00	9.94	700.00	6.00
110.00	18.81	410.00	9.83	710.00	5.94
120.00	18.43	420.00	9.62	720.00	5.88
130.00	17.78	430.00	9.48	730.00	5.80
140.00	17.27	440.00	9.23	740.00	5.77
150.00	16.89	450.00	9.13	750.00	5.72
160.00	16.33	460.00	8.92	760.00	5.66
170.00	15.81	470.00	8.78		
180.00	15.53	480.00	8.61		
190.00	15.07	490.00	8.42		
200.00	14.71	500.00	8.33		
210.00	14.45	510.00	8.22		
220.00	14.17	520.00	8.07		
230.00	13.93	530.00	7.97		
240.00	13.62	540.00	7.79		
250.00	13.24	550.00	7.62		
260.00	13.08	560.00	7.49		
270.00	12.76	570.00	7.30		
280.00	12.48	580.00	7.20		
290.00	12.25	590.00	7.04		
300.00	12.11	600.00	6.90		

Cruise: GULFCET 01  
Latitude: 26° 47.50' N

Station: 09-095  
Longitude: 90° 49.90' W

Probe Type: T-7  
Date: 27-Apr-1992

Time:

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.03	310.00	11.56	610.00	6.99
20.00	23.06	320.00	11.34	620.00	6.89
30.00	22.68	330.00	11.16	630.00	6.74
40.00	21.64	340.00	10.94	640.00	6.63
50.00	20.99	350.00	10.82	650.00	6.58
60.00	20.68	360.00	10.66	660.00	6.50
70.00	20.43	370.00	10.50	670.00	6.41
80.00	20.05	380.00	10.33	680.00	6.36
90.00	19.68	390.00	10.17	690.00	6.30
100.00	19.31	400.00	10.03	700.00	6.21
110.00	18.70	410.00	9.83	710.00	6.16
120.00	18.21	420.00	9.69	720.00	6.08
130.00	17.51	430.00	9.59	730.00	6.01
140.00	16.95	440.00	9.33	740.00	5.94
150.00	16.70	450.00	9.20		
160.00	16.50	460.00	9.01		
170.00	16.12	470.00	8.85		
180.00	15.55	480.00	8.72		
190.00	15.29	490.00	8.55		
200.00	14.78	500.00	8.23		
210.00	14.41	510.00	8.00		
220.00	14.25	520.00	7.95		
230.00	13.81	530.00	7.80		
240.00	13.42	540.00	7.76		
250.00	13.17	550.00	7.60		
260.00	12.94	560.00	7.46		
270.00	12.68	570.00	7.34		
280.00	12.29	580.00	7.25		
290.00	12.05	590.00	7.14		
300.00	11.84	600.00	7.05		

Cruise: GULFCET 01  
Latitude: 27° 09.97' N

Station: 10-097  
Longitude: 90° 09.97' W

Probe Type: T-7  
Date: 28-Apr-1992

Time: 0346

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.44	310.00	11.38	610.00	6.84
20.00	23.42	320.00	11.19	620.00	6.72
30.00	23.39	330.00	10.94	630.00	6.63
40.00	22.48	340.00	10.70	640.00	6.55
50.00	21.86	350.00	10.62	650.00	6.43
60.00	21.40	360.00	10.38	660.00	6.35
70.00	20.63	370.00	10.16	670.00	6.30
80.00	20.01	380.00	10.07	680.00	6.22
90.00	19.44	390.00	9.99	690.00	6.14
100.00	18.58	400.00	9.72	700.00	6.08
110.00	17.97	410.00	9.53	710.00	6.03
120.00	17.62	420.00	9.37	720.00	5.94
130.00	17.20	430.00	9.22	730.00	5.85
140.00	16.77	440.00	9.09	740.00	5.81
150.00	16.23	450.00	8.89	750.00	5.76
160.00	15.80	460.00	8.70	760.00	5.70
170.00	15.44	470.00	8.56		
180.00	15.02	480.00	8.39		
190.00	14.60	490.00	8.27		
200.00	14.22	500.00	8.12		
210.00	13.88	510.00	8.06		
220.00	13.41	520.00	7.91		
230.00	13.14	530.00	7.81		
240.00	12.91	540.00	7.68		
250.00	12.71	550.00	7.60		
260.00	12.48	560.00	7.49		
270.00	12.31	570.00	7.33		
280.00	12.00	580.00	7.18		
290.00	11.82	590.00	7.09		
300.00	11.56	600.00	6.97		

**Cruise:** GULFCET 01      **Station:** 10-098      **Probe Type:** T-7  
**Latitude:** 27° 11.53' N      **Longitude:** 90° 10.12' W      **Date:** 28-Apr-1992      **Time:** 0401

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.45	310.00	11.48	610.00	6.88
20.00	23.43	320.00	11.26	620.00	6.81
30.00	23.44	330.00	11.09	630.00	6.64
40.00	22.70	340.00	10.86	640.00	6.58
50.00	21.92	350.00	10.64	650.00	6.43
60.00	21.21	360.00	10.52	660.00	6.34
70.00	20.88	370.00	10.41	670.00	6.24
80.00	20.67	380.00	10.17	680.00	6.20
90.00	19.97	390.00	10.01	690.00	6.18
100.00	19.26	400.00	9.72	700.00	6.14
110.00	18.17	410.00	9.61	710.00	6.09
120.00	17.69	420.00	9.45	720.00	6.03
130.00	17.34	430.00	9.39	730.00	5.95
140.00	16.78	440.00	9.18	740.00	5.87
150.00	16.35	450.00	9.10	750.00	5.83
160.00	15.89	460.00	9.00	760.00	5.78
170.00	15.53	470.00	8.79		
180.00	15.13	480.00	8.59		
190.00	14.82	490.00	8.42		
200.00	14.59	500.00	8.28		
210.00	14.34	510.00	8.12		
220.00	13.92	520.00	7.96		
230.00	13.68	530.00	7.83		
240.00	13.36	540.00	7.69		
250.00	13.05	550.00	7.49		
260.00	12.76	560.00	7.39		
270.00	12.59	570.00	7.30		
280.00	12.35	580.00	7.19		
290.00	12.13	590.00	7.08		
300.00	11.84	600.00	6.97		

**Cruise:** GULFCET 01      **Station:** 10-099      **Probe Type:** T-7  
**Latitude:** 27° 39.98' N      **Longitude:** 90° 10.05' W      **Date:** 28-Apr-1992      **Time:** 0849

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.33	310.00	11.40	610.00	6.64
20.00	23.34	320.00	11.16	620.00	6.55
30.00	22.85	330.00	10.98	630.00	6.46
40.00	21.49	340.00	10.76	640.00	6.40
50.00	20.64	350.00	10.58	650.00	6.31
60.00	20.53	360.00	10.42	660.00	6.25
70.00	20.27	370.00	10.20	670.00	6.11
80.00	20.25	380.00	9.87	680.00	6.07
90.00	19.88	390.00	9.70	690.00	6.01
100.00	19.20	400.00	9.48	700.00	5.95
110.00	18.28	410.00	9.24	710.00	5.92
120.00	17.61	420.00	9.14	720.00	5.86
130.00	17.13	430.00	9.02	730.00	5.82
140.00	16.63	440.00	8.80	740.00	5.77
150.00	16.33	450.00	8.62	750.00	5.68
160.00	15.70	460.00	8.48	760.00	5.65
170.00	15.29	470.00	8.34		
180.00	14.88	480.00	8.19		
190.00	14.45	490.00	8.06		
200.00	14.26	500.00	7.96		
210.00	13.89	510.00	7.80		
220.00	13.50	520.00	7.62		
230.00	13.31	530.00	7.51		
240.00	13.02	540.00	7.33		
250.00	12.85	550.00	7.28		
260.00	12.52	560.00	7.16		
270.00	12.30	570.00	7.08		
280.00	12.17	580.00	6.96		
290.00	11.83	590.00	6.86		
300.00	11.64	600.00	6.78		

Cruise: GULFCET 01  
Latitude: 27° 50.60' N

Station: 10-101  
Longitude: 90° 09.93' W

Probe Type: T-7  
Date: 28-Apr-1992

Time: 1023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.45	310.00	11.12	610.00	6.50
20.00	23.46	320.00	10.96	620.00	6.45
30.00	23.44	330.00	10.78	630.00	6.35
40.00	22.69	340.00	10.49	640.00	6.33
50.00	21.71	350.00	10.32	650.00	6.23
60.00	20.90	360.00	10.05	660.00	6.14
70.00	20.54	370.00	9.90	670.00	6.09
80.00	20.24	380.00	9.70	680.00	6.02
90.00	19.73	390.00	9.44	690.00	5.93
100.00	19.48	400.00	9.21	700.00	5.84
110.00	18.64	410.00	8.96	710.00	5.79
120.00	17.66	420.00	8.79	720.00	5.74
130.00	17.15	430.00	8.61	730.00	5.72
140.00	16.70	440.00	8.36	740.00	5.72
150.00	16.32	450.00	8.20	750.00	5.70
160.00	15.94	460.00	8.10		
170.00	15.61	470.00	8.00		
180.00	15.11	480.00	7.92		
190.00	14.72	490.00	7.73		
200.00	14.23	500.00	7.53		
210.00	13.88	510.00	7.45		
220.00	13.53	520.00	7.30		
230.00	13.16	530.00	7.20		
240.00	12.86	540.00	7.05		
250.00	12.51	550.00	6.98		
260.00	12.31	560.00	6.90		
270.00	12.14	570.00	6.82		
280.00	11.88	580.00	6.70		
290.00	11.64	590.00	6.65		
300.00	11.37	600.00	6.59		

Cruise: GULFCET 01  
Latitude: 27° 02.02' N

Station: 10-102  
Longitude: 90° 10.04' W

Probe Type: T-7  
Date: 28-Apr-1992

Time: 1211

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.12	310.00	11.20
20.00	23.15	320.00	10.91
30.00	23.09	330.00	10.73
40.00	22.66	340.00	10.44
50.00	21.72	350.00	10.29
60.00	21.46	360.00	9.96
70.00	20.85	370.00	9.76
80.00	20.29	380.00	9.25
90.00	19.57	390.00	8.91
100.00	18.70	400.00	8.79
110.00	18.13	410.00	8.61
120.00	17.75	420.00	8.33
130.00	17.48	430.00	8.13
140.00	16.97	440.00	8.03
150.00	16.51	450.00	8.01
160.00	16.07	460.00	7.94
170.00	15.63	470.00	7.76
180.00	15.38	480.00	7.72
190.00	14.92		
200.00	14.37		
210.00	13.84		
220.00	13.46		
230.00	13.27		
240.00	13.12		
250.00	12.82		
260.00	12.57		
270.00	12.09		
280.00	11.62		
290.00	11.50		
300.00	11.43		

**Cruise:** GULFCET 01      **Station:** 10-103      **Probe Type:** T-7  
**Latitude:** 28° 04.01' N      **Longitude:** 90° 10.03' W      **Date:** 28-Apr-1992      **Time:** 1228

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.19	310.00	11.13
20.00	23.18	320.00	10.08
30.00	23.12	330.00	9.69
40.00	22.96	340.00	9.45
50.00	21.90	350.00	9.37
60.00	21.35		
70.00	20.58		
80.00	20.41		
90.00	19.93		
100.00	19.16		
110.00	18.57		
120.00	17.88		
130.00	17.32		
140.00	16.86		
150.00	16.37		
160.00	16.06		
170.00	15.57		
180.00	15.04		
190.00	14.87		
200.00	14.53		
210.00	14.20		
220.00	13.52		
230.00	13.32		
240.00	13.09		
250.00	12.87		
260.00	12.67		
270.00	12.40		
280.00	12.08		
290.00	11.93		
300.00	11.57		

**Cruise:** GULFCET 01      **Station:** 10-104      **Probe Type:** T-7  
**Latitude:** 28° 09.49' N      **Longitude:** 90° 09.99' W      **Date:** 28-Apr-1992      **Time:** 1315

Depth (m)	Temp. (°C)
10.00	23.12
20.00	23.11
30.00	23.05
40.00	23.01
50.00	22.01
60.00	21.28
70.00	20.82
80.00	20.47
90.00	20.11
100.00	19.80
110.00	19.02
120.00	18.54
130.00	17.91
140.00	17.61
150.00	16.37
160.00	15.14
170.00	14.50

**Cruise:** GULFCET 01      **Station:** 10-105      **Probe Type:** T-7  
**Latitude:** 28° 16.49' N      **Longitude:** 90° 09.91' W      **Date:** 28-Apr-1992      **Time:** 1413

Depth (m)	Temp. (°C)
10.00	22.98
20.00	22.88
30.00	22.85
40.00	22.84
50.00	22.80
60.00	21.26
70.00	20.69
80.00	20.40
90.00	19.20

**Cruise:** GULFCET 01  
**Latitude:** 28° 45.00' N

**Station:** 11-106  
**Longitude:** 89° 29.83' W

**Probe Type:** T-7  
**Date:** 28-Apr-1992  
**Time:** 1909

Depth (m)	Temp. (°C)
10.00	22.99
20.00	22.99
30.00	22.90
40.00	22.82
50.00	22.58
60.00	22.11
70.00	20.72
80.00	19.66
90.00	18.92

**Cruise:** GULFCET 01  
**Latitude:** 28° 36.00' N

**Station:** 11-107  
**Longitude:** 89° 30.04' W

**Probe Type:** T-7  
**Date:** 28-Apr-1992  
**Time:** 2033

Depth (m)	Temp. (°C)
10.00	22.99
20.00	23.11
30.00	23.21
40.00	22.72
50.00	21.77
60.00	21.42
70.00	21.13
80.00	20.79
90.00	20.61
100.00	20.52
110.00	20.41
120.00	19.67
130.00	18.60
140.00	15.55
150.00	13.47

**Cruise:** GULFCET 01  
**Latitude:** 28° 31.98' N

**Station:** 11-108  
**Longitude:** 89° 30.03' W

**Probe Type:** T-7  
**Date:** 28-Apr-1992  
**Time:** 2112

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.64	310.00	12.01
20.00	23.62	320.00	11.50
30.00	23.60	330.00	10.99
40.00	22.85	340.00	10.73
50.00	22.03		
60.00	21.25		
70.00	20.99		
80.00	21.37		
90.00	22.05		
100.00	22.54		
110.00	22.25		
120.00	21.94		
130.00	20.80		
140.00	20.80		
150.00	20.58		
160.00	19.98		
170.00	19.27		
180.00	18.35		
190.00	17.42		
200.00	16.74		
210.00	15.97		
220.00	15.37		
230.00	14.66		
240.00	14.37		
250.00	13.93		
260.00	13.46		
270.00	13.18		
280.00	12.76		
290.00	12.40		
300.00	12.17		

Cruise: GULFCET 01  
Latitude: 28° 28.00' N

Station: 11-109  
Longitude: 89° 30.07' W

Probe Type: T-7  
Date: 28-Apr-1992

Time: 2149

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.63	310.00	10.61
20.00	23.57	320.00	10.38
30.00	23.61	330.00	10.24
40.00	23.52	340.00	9.95
50.00	22.02	350.00	9.80
60.00	21.06	360.00	9.60
70.00	20.47	370.00	9.50
80.00	19.94	380.00	9.29
90.00	19.34	390.00	9.18
100.00	18.71	400.00	9.04
110.00	18.17	410.00	8.94
120.00	17.59	420.00	8.68
130.00	17.08	430.00	8.40
140.00	16.62	440.00	8.12
150.00	16.23	450.00	8.08
160.00	15.91	460.00	7.97
170.00	15.60	470.00	7.86
180.00	15.11	480.00	7.63
190.00	14.64	490.00	7.47
200.00	14.22	500.00	7.35
210.00	14.01	510.00	7.26
220.00	13.76	520.00	7.16
230.00	13.47	530.00	7.06
240.00	13.08		
250.00	12.89		
260.00	12.48		
270.00	11.99		
280.00	11.60		
290.00	11.33		
300.00	10.85		

Cruise: GULFCET 01  
Latitude: 28° 21.49' N

Station: 11-110  
Longitude: 89° 30.06' W

Probe Type: T-7  
Date: 28-Apr-1992

Time: 2249

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.64	310.00	11.28	610.00	6.78
20.00	23.62	320.00	11.07	620.00	6.67
30.00	23.60	330.00	10.72	630.00	6.49
40.00	23.62	340.00	10.59	640.00	6.28
50.00	22.51	350.00	10.42	650.00	6.19
60.00	21.25	360.00	10.18	660.00	6.16
70.00	20.36	370.00	9.99	670.00	6.12
80.00	19.84	380.00	9.80	680.00	6.10
90.00	19.07	390.00	9.65	690.00	6.07
100.00	18.46	400.00	9.47	700.00	5.99
110.00	17.88	410.00	9.20	710.00	5.91
120.00	17.42	420.00	9.01	720.00	5.78
130.00	16.83	430.00	8.79	730.00	5.75
140.00	16.17	440.00	8.69		
150.00	15.86	450.00	8.52		
160.00	15.46	460.00	8.35		
170.00	15.10	470.00	8.22		
180.00	14.94	480.00	8.08		
190.00	14.53	490.00	7.90		
200.00	14.31	500.00	7.94		
210.00	13.97	510.00	7.85		
220.00	13.64	520.00	7.76		
230.00	13.37	530.00	7.64		
240.00	13.02	540.00	7.57		
250.00	12.83	550.00	7.44		
260.00	12.60	560.00	7.33		
270.00	12.17	570.00	7.10		
280.00	11.88	580.00	7.05		
290.00	11.70	590.00	6.95		
300.00	11.50	600.00	6.83		

**Cruise:** GULFCET 01      **Station:** 11-111      **Probe Type:** T-7  
**Latitude:** 28° 15.01' N      **Longitude:** 89° 30.02' W      **Date:** 28-Apr-1992      **Time:** 2352

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.64	310.00	11.57	610.00	7.11
20.00	23.60	320.00	11.39	620.00	6.98
30.00	23.62	330.00	11.12	630.00	6.79
40.00	23.57	340.00	10.82	640.00	6.70
50.00	22.23	350.00	10.63	650.00	6.57
60.00	21.36	360.00	10.47	660.00	6.51
70.00	20.61	370.00	10.29	670.00	6.44
80.00	19.93	380.00	10.15	680.00	6.39
90.00	19.11	390.00	10.03	690.00	6.36
100.00	18.63	400.00	9.88	700.00	6.23
110.00	17.90	410.00	9.77	710.00	6.18
120.00	17.40	420.00	9.64	720.00	6.14
130.00	16.79	430.00	9.56	730.00	6.05
140.00	16.34	440.00	9.31	740.00	5.92
150.00	15.98	450.00	9.09	750.00	5.80
160.00	15.82	460.00	8.97	760.00	5.68
170.00	15.51	470.00	8.83		
180.00	15.08	480.00	8.61		
190.00	14.72	490.00	8.43		
200.00	14.38	500.00	8.29		
210.00	14.00	510.00	8.17		
220.00	13.83	520.00	8.19		
230.00	13.60	530.00	8.12		
240.00	13.31	540.00	7.96		
250.00	13.07	550.00	7.74		
260.00	12.80	560.00	7.60		
270.00	12.53	570.00	7.50		
280.00	12.23	580.00	7.43		
290.00	11.94	590.00	7.34		
300.00	11.81	600.00	7.20		

**Cruise:** GULFCET 01      **Station:** 11-112      **Probe Type:** T-7  
**Latitude:** 28° 06.02' N      **Longitude:** 89° 29.98' W      **Date:** 29-Apr-1992      **Time:** 0119

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.04	310.00	12.15	610.00	7.58
20.00	23.00	320.00	11.89	620.00	7.31
30.00	23.06	330.00	11.61	630.00	7.15
40.00	23.06	340.00	11.45	640.00	7.08
50.00	22.14	350.00	11.11	650.00	7.03
60.00	21.58	360.00	10.93	660.00	6.97
70.00	21.12	370.00	10.74	670.00	6.92
80.00	20.63	380.00	10.68	680.00	6.86
90.00	20.09	390.00	10.51	690.00	6.83
100.00	19.36	400.00	10.37	700.00	6.80
110.00	18.94	410.00	10.22	710.00	6.74
120.00	18.40	420.00	10.17	720.00	6.64
130.00	18.11	430.00	10.08	730.00	6.58
140.00	17.87	440.00	9.89	740.00	6.55
150.00	17.47	450.00	9.68	750.00	6.53
160.00	16.86	460.00	9.55	760.00	6.44
170.00	16.45	470.00	9.45		
180.00	16.04	480.00	9.40		
190.00	15.78	490.00	9.13		
200.00	15.41	500.00	8.84		
210.00	15.13	510.00	8.68		
220.00	14.97	520.00	8.55		
230.00	14.65	530.00	8.48		
240.00	14.41	540.00	8.44		
250.00	14.04	550.00	8.20		
260.00	13.58	560.00	8.15		
270.00	13.08	570.00	8.02		
280.00	12.81	580.00	7.89		
290.00	12.72	590.00	7.69		
300.00	12.41	600.00	7.64		



**Cruise:** GULFCET 01      **Station:** 11-113      **Probe Type:** T-7  
**Latitude:** 27° 37.91' N      **Longitude:** 89° 30.05' W      **Date:** 29-Apr-1992      **Time:** 0535

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.70	310.00	12.11	610.00	7.16
20.00	22.68	320.00	11.99	620.00	7.04
30.00	22.09	330.00	11.74	630.00	6.95
40.00	21.51	340.00	11.44	640.00	6.85
50.00	21.15	350.00	11.28	650.00	6.77
60.00	20.73	360.00	10.97	660.00	6.71
70.00	20.62	370.00	10.55	670.00	6.60
80.00	20.51	380.00	10.32	680.00	6.54
90.00	20.22	390.00	10.18	690.00	6.45
100.00	19.69	400.00	10.02	700.00	6.37
110.00	19.79	410.00	9.94	710.00	6.25
120.00	19.34	420.00	9.85	720.00	6.15
130.00	18.21	430.00	9.70	730.00	6.08
140.00	17.54	440.00	9.58	740.00	6.05
150.00	17.24	450.00	9.51	750.00	5.97
160.00	16.98	460.00	9.26	760.00	5.91
170.00	16.51	470.00	9.05		
180.00	16.17	480.00	8.98		
190.00	15.65	490.00	8.79		
200.00	15.26	500.00	8.50		
210.00	15.02	510.00	8.36		
220.00	14.49	520.00	8.20		
230.00	14.20	530.00	8.13		
240.00	13.93	540.00	7.99		
250.00	13.70	550.00	7.80		
260.00	13.36	560.00	7.67		
270.00	13.15	570.00	7.47		
280.00	12.86	580.00	7.49		
290.00	12.55	590.00	7.37		
300.00	12.28	600.00	7.29		

**Cruise:** GULFCET 01      **Station:** 11-114      **Probe Type:** T-7  
**Latitude:** 27° 27.99' N      **Longitude:** 89° 30.01' W      **Date:** 29-Apr-1992      **Time:** 0706

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.57	310.00	12.30	610.00	7.10
20.00	23.52	320.00	12.06	620.00	6.99
30.00	22.32	330.00	11.81	630.00	6.82
40.00	21.41	340.00	11.72	640.00	6.72
50.00	21.01	350.00	11.45	650.00	6.69
60.00	20.81	360.00	11.12	660.00	6.65
70.00	20.64	370.00	10.80	670.00	6.59
80.00	20.58	380.00	10.61	680.00	6.49
90.00	20.48	390.00	10.33	690.00	6.37
100.00	20.21	400.00	10.10	700.00	6.29
110.00	19.67	410.00	9.91	710.00	6.22
120.00	19.11	420.00	9.71	720.00	6.13
130.00	18.48	430.00	9.43	730.00	6.09
140.00	17.76	440.00	9.26	740.00	6.01
150.00	17.26	450.00	9.11	750.00	5.95
160.00	16.82	460.00	8.90	760.00	5.90
170.00	16.48	470.00	8.74		
180.00	15.89	480.00	8.60		
190.00	15.57	490.00	8.49		
200.00	15.22	500.00	8.32		
210.00	14.86	510.00	8.22		
220.00	14.53	520.00	8.09		
230.00	14.21	530.00	7.97		
240.00	13.87	540.00	7.82		
250.00	13.50	550.00	7.76		
260.00	13.20	560.00	7.70		
270.00	12.93	570.00	7.53		
280.00	12.73	580.00	7.38		
290.00	12.64	590.00	7.31		
300.00	12.46	600.00	7.16		

**Cruise:** GULFCET 01      **Station:** 12-116      **Probe Type:** T-7  
**Latitude:** 27° 26.08' N      **Longitude:** 88° 49.99' W      **Date:** 29-Apr-1992      **Time:** 1125

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.22	310.00	12.27	610.00	7.04
20.00	22.18	320.00	12.02	620.00	6.96
30.00	21.57	330.00	11.84	630.00	6.85
40.00	20.77	340.00	11.61	640.00	6.75
50.00	20.89	350.00	11.46	650.00	6.69
60.00	20.57	360.00	11.26	660.00	6.64
70.00	20.30	370.00	11.00	670.00	6.57
80.00	20.18	380.00	10.83	680.00	6.49
90.00	19.89	390.00	10.55	690.00	6.40
100.00	19.86	400.00	10.35	700.00	6.37
110.00	19.54	410.00	10.01	710.00	6.31
120.00	19.14	420.00	9.82	720.00	6.22
130.00	18.55	430.00	9.62	730.00	6.18
140.00	17.87	440.00	9.47	740.00	6.11
150.00	17.43	450.00	9.26	750.00	6.06
160.00	17.01	460.00	9.12	760.00	6.01
170.00	16.54	470.00	8.99		
180.00	16.14	480.00	8.89		
190.00	15.67	490.00	8.75		
200.00	15.42	500.00	8.56		
210.00	15.12	510.00	8.40		
220.00	14.77	520.00	8.23		
230.00	14.37	530.00	8.11		
240.00	14.07	540.00	7.97		
250.00	13.74	550.00	7.86		
260.00	13.49	560.00	7.75		
270.00	13.29	570.00	7.57		
280.00	13.14	580.00	7.47		
290.00	12.76	590.00	7.28		
300.00	12.54	600.00	7.15		

**Cruise:** GULFCET 01      **Station:** 12-117      **Probe Type:** T-7  
**Latitude:** 27° 46.03' N      **Longitude:** 88° 50.03' W      **Date:** 29-Apr-1992      **Time:** 1419

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.05	310.00	12.93	610.00	7.48
20.00	22.95	320.00	12.71	620.00	7.39
30.00	22.93	330.00	12.38	630.00	7.31
40.00	21.85	340.00	12.11	640.00	7.21
50.00	21.79	350.00	11.87	650.00	7.15
60.00	21.68	360.00	11.66	660.00	7.06
70.00	21.07	370.00	11.42	670.00	6.95
80.00	20.93	380.00	11.16	680.00	6.82
90.00	20.40	390.00	10.83	690.00	6.71
100.00	20.34	400.00	10.67	700.00	6.62
110.00	20.07	410.00	10.52	710.00	6.57
120.00	19.60	420.00	10.41	720.00	6.49
130.00	19.16	430.00	10.22	730.00	6.45
140.00	18.75	440.00	10.04	740.00	6.35
150.00	18.34	450.00	9.90	750.00	6.30
160.00	17.86	460.00	9.82	760.00	6.22
170.00	17.47	470.00	9.62		
180.00	16.97	480.00	9.44		
190.00	16.57	490.00	9.29		
200.00	16.25	500.00	9.05		
210.00	15.89	510.00	8.82		
220.00	15.57	520.00	8.64		
230.00	15.36	530.00	8.44		
240.00	15.03	540.00	8.33		
250.00	14.67	550.00	8.18		
260.00	14.31	560.00	8.03		
270.00	14.09	570.00	7.92		
280.00	13.78	580.00	7.81		
290.00	13.40	590.00	7.74		
300.00	13.13	600.00	7.63		

Cruise: GULFCET 01  
Latitude: 28° 43.50' N

Station: 12-120  
Longitude: 88° 49.93' W

Probe Type: T-7  
Date: 29-Apr-1992

Time: 2307

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.70	310.00	11.99	610.00	6.37
20.00	22.73	320.00	11.73	620.00	6.12
30.00	22.74	330.00	11.41	630.00	6.04
40.00	22.55	340.00	11.14	640.00	5.93
50.00	21.44	350.00	10.91	650.00	5.90
60.00	20.82	360.00	10.67	660.00	5.79
70.00	20.65	370.00	10.48	670.00	5.76
80.00	20.32	380.00	10.29	680.00	5.70
90.00	20.17	390.00	10.07	690.00	5.70
100.00	20.07	400.00	9.87	700.00	5.65
110.00	19.47	410.00	9.72	710.00	5.58
120.00	18.59	420.00	9.56	720.00	5.57
130.00	18.09	430.00	9.40	730.00	5.51
140.00	17.43	440.00	9.17	740.00	5.52
150.00	16.83	450.00	8.94	750.00	5.46
160.00	16.46	460.00	8.80		
170.00	16.05	470.00	8.62		
180.00	15.71	480.00	8.49		
190.00	15.38	490.00	8.31		
200.00	15.08	500.00	8.19		
210.00	14.85	510.00	8.05		
220.00	14.55	520.00	8.00		
230.00	14.35	530.00	7.91		
240.00	14.14	540.00	7.93		
250.00	13.72	550.00	7.55		
260.00	13.46	560.00	7.34		
270.00	13.24	570.00	7.05		
280.00	12.89	580.00	6.72		
290.00	12.65	590.00	6.59		
300.00	12.28	600.00	6.45		

Cruise: GULFCET 01  
Latitude: 28° 53.02' N

Station: 12-122  
Longitude: 88° 49.99' W

Probe Type: T-7  
Date: 30-Apr-1992

Time: 0038

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.27	310.00	11.36
20.00	23.30	320.00	11.20
30.00	23.26	330.00	11.01
40.00	23.14	340.00	10.53
50.00	22.23	350.00	10.47
60.00	21.20	360.00	10.18
70.00	20.69	370.00	9.93
80.00	20.49	380.00	9.87
90.00	20.26	390.00	9.45
100.00	19.21	400.00	9.05
110.00	18.40	410.00	8.85
120.00	17.87		
130.00	17.47		
140.00	17.08		
150.00	16.33		
160.00	15.77		
170.00	15.37		
180.00	15.03		
190.00	14.76		
200.00	14.44		
210.00	14.18		
220.00	13.81		
230.00	13.41		
240.00	13.14		
250.00	12.92		
260.00	12.63		
270.00	12.23		
280.00	11.98		
290.00	11.67		
300.00	11.46		

**Cruise:** GULFCET 01      **Station:** 12-125      **Probe Type:** T-7  
**Latitude:** 29° 06.51' N      **Longitude:** 88° 50.01' W      **Date:** 30-Apr-1992      **Time:** 0250

Depth (m)	Temp. (°C)
10.00	21.34
20.00	22.96
30.00	22.26
40.00	20.87
50.00	20.63
60.00	20.47
70.00	19.51
80.00	18.51

**Cruise:** GULFCET 01      **Station:** 13-126      **Probe Type:** T-7  
**Latitude:** 29° 16.50' N      **Longitude:** 88° 10.00' W      **Date:** 30-Apr-1992      **Time:** 0650

Depth (m)	Temp. (°C)
10.00	20.99
20.00	21.56
30.00	21.26
40.00	22.56
50.00	22.13
60.00	21.39
70.00	20.67
80.00	20.42
90.00	19.99

**Cruise:** GULFCET 01      **Station:** 13-131      **Probe Type:** T-7  
**Latitude:** 29° 02.37' N      **Longitude:** 88° 09.98' W      **Date:** 30-Apr-1992      **Time:** 1038

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.68	310.00	11.75	610.00	6.44
20.00	22.67	320.00	11.53	620.00	6.42
30.00	22.78	330.00	11.27	630.00	6.35
40.00	22.81	340.00	11.06	640.00	6.28
50.00	22.61	350.00	10.97	650.00	6.24
60.00	21.79	360.00	10.65	660.00	6.16
70.00	21.30	370.00	10.48	670.00	6.16
80.00	20.94	380.00	10.06	680.00	6.14
90.00	20.35	390.00	9.68	690.00	6.09
100.00	19.74	400.00	9.48	700.00	6.09
110.00	19.09	410.00	9.29	710.00	6.05
120.00	18.33	420.00	9.04	720.00	5.98
130.00	17.93	430.00	8.91	730.00	5.93
140.00	17.43	440.00	8.66	740.00	5.84
150.00	16.94	450.00	8.56	750.00	5.82
160.00	16.50	460.00	8.41	760.00	5.76
170.00	16.09	470.00	8.04		
180.00	15.77	480.00	7.99		
190.00	15.37	490.00	7.78		
200.00	15.01	500.00	7.71		
210.00	14.70	510.00	7.34		
220.00	14.23	520.00	7.27		
230.00	13.93	530.00	7.11		
240.00	13.54	540.00	7.04		
250.00	13.19	550.00	6.98		
260.00	12.98	560.00	6.76		
270.00	12.84	570.00	6.74		
280.00	12.41	580.00	6.61		
290.00	12.15	590.00	6.56		
300.00	11.92	600.00	6.47		

**Cruise:** GULFCET 01      **Station:** 13-134      **Probe Type:** T-7  
**Latitude:** 28° 37.04' N      **Longitude:** 88° 09.99' W      **Date:** 30-Apr-1992      **Time:** 1424

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.87	310.00	13.34	610.00	7.55
20.00	22.82	320.00	13.05	620.00	7.47
30.00	22.80	330.00	12.85	630.00	7.34
40.00	22.78	340.00	12.65	640.00	7.21
50.00	22.72	350.00	12.30	650.00	7.05
60.00	22.16	360.00	12.02	660.00	6.97
70.00	21.28	370.00	11.75	670.00	6.81
80.00	20.99	380.00	11.62	680.00	6.70
90.00	21.17	390.00	11.51	690.00	6.60
100.00	20.87	400.00	11.21	700.00	6.51
110.00	20.33	410.00	10.99	710.00	6.43
120.00	20.22	420.00	10.79	720.00	6.37
130.00	19.67	430.00	10.56	730.00	6.28
140.00	19.13	440.00	10.35	740.00	6.16
150.00	18.59	450.00	10.20	750.00	6.13
160.00	18.19	460.00	9.93	760.00	6.03
170.00	17.84	470.00	9.82		
180.00	17.53	480.00	9.54		
190.00	17.21	490.00	9.26		
200.00	16.81	500.00	9.06		
210.00	16.31	510.00	8.94		
220.00	16.02	520.00	8.79		
230.00	15.77	530.00	8.65		
240.00	15.43	540.00	8.42		
250.00	15.19	550.00	8.29		
260.00	14.87	560.00	8.17		
270.00	14.62	570.00	8.03		
280.00	14.22	580.00	7.89		
290.00	14.00	590.00	7.78		
300.00	13.63	600.00	7.70		

**Cruise:** GULFCET 01      **Station:** 14-135      **Probe Type:** T-7  
**Latitude:** 28° 31.06' N      **Longitude:** 87° 29.91' W      **Date:** 30-Apr-1992      **Time:** 1805

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	23.06	310.00	12.45
20.00	22.73	320.00	12.19
30.00	22.69	330.00	11.87
40.00	21.98	340.00	11.61
50.00	21.30	350.00	11.23
60.00	21.12	360.00	11.01
70.00	20.84	370.00	10.84
80.00	20.65	380.00	10.73
90.00	20.37	390.00	10.59
100.00	20.13	400.00	10.47
110.00	20.00	410.00	10.38
120.00	18.99	420.00	10.16
130.00	18.21	430.00	9.95
140.00	17.70	440.00	9.84
150.00	17.34	450.00	9.66
160.00	17.02	460.00	9.47
170.00	16.41	470.00	9.41
180.00	16.12	480.00	9.24
190.00	15.86	490.00	9.03
200.00	15.65	500.00	8.82
210.00	15.43	510.00	8.69
220.00	15.06	520.00	8.51
230.00	14.67		
240.00	14.25		
250.00	13.93		
260.00	13.77		
270.00	13.53		
280.00	13.25		
290.00	12.92		
300.00	12.63		

**Cruise:** GULFCET 01      **Station:** 14-138      **Probe Type:** T-7  
**Latitude:** 29° 15.00' N      **Longitude:** 87° 30.00' W      **Date:** 1-May-1992      **Time:** 0020

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.78	310.00	11.11	610.00	6.84
20.00	22.60	320.00	11.03	620.00	6.78
30.00	22.50	330.00	10.94	630.00	6.68
40.00	22.40	340.00	10.81	640.00	6.55
50.00	21.68	350.00	10.58	650.00	6.49
60.00	21.10	360.00	10.53	660.00	6.42
70.00	20.57	370.00	10.28	670.00	6.27
80.00	20.29	380.00	10.14	680.00	6.19
90.00	20.22	390.00	10.01	690.00	6.10
100.00	19.55	400.00	9.83	700.00	6.06
110.00	19.00	410.00	9.66	710.00	5.95
120.00	18.34	420.00	9.50	720.00	5.92
130.00	17.65	430.00	9.43	730.00	5.91
140.00	17.25	440.00	9.21	740.00	5.84
150.00	16.73	450.00	8.96	750.00	5.81
160.00	16.05	460.00	8.87	760.00	5.80
170.00	15.60	470.00	8.81		
180.00	15.24	480.00	8.68		
190.00	14.85	490.00	8.46		
200.00	14.28	500.00	8.33		
210.00	13.65	510.00	8.20		
220.00	13.37	520.00	8.10		
230.00	13.19	530.00	8.01		
240.00	12.81	540.00	7.92		
250.00	12.58	550.00	7.73		
260.00	12.25	560.00	7.60		
270.00	11.93	570.00	7.47		
280.00	11.75	580.00	7.36		
290.00	11.55	590.00	7.11		
300.00	11.26	600.00	6.93		

**Cruise:** GULFCET 01      **Station:** 14-140      **Probe Type:** T-7  
**Latitude:** 29° 20.00' N      **Longitude:** 87° 30.20' W      **Date:** 1-May-1992      **Time:** 0106

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.62	310.00	10.77
20.00	22.64	320.00	10.76
30.00	22.64	330.00	10.72
40.00	22.67	340.00	10.67
50.00	22.00	350.00	10.65
60.00	21.44	360.00	10.60
70.00	20.58	370.00	10.53
80.00	20.25	380.00	10.50
90.00	19.95	390.00	10.19
100.00	18.99	400.00	10.01
110.00	18.63	410.00	9.93
120.00	18.18	420.00	9.94
130.00	17.63	430.00	9.73
140.00	17.12	440.00	9.53
150.00	16.49	450.00	9.13
160.00	15.14		
170.00	14.42		
180.00	13.69		
190.00	13.42		
200.00	13.03		
210.00	12.83		
220.00	12.22		
230.00	11.91		
240.00	11.84		
250.00	11.51		
260.00	11.34		
270.00	11.13		
280.00	11.01		
290.00	10.88		
300.00	10.75		

**Cruise:** GULFCET 01      **Station:** 14-143      **Probe Type:** T-7  
**Latitude:** 29° 27.03' N      **Longitude:** 87° 29.80' W      **Date:** 1-May-1992      **Time:** 0204

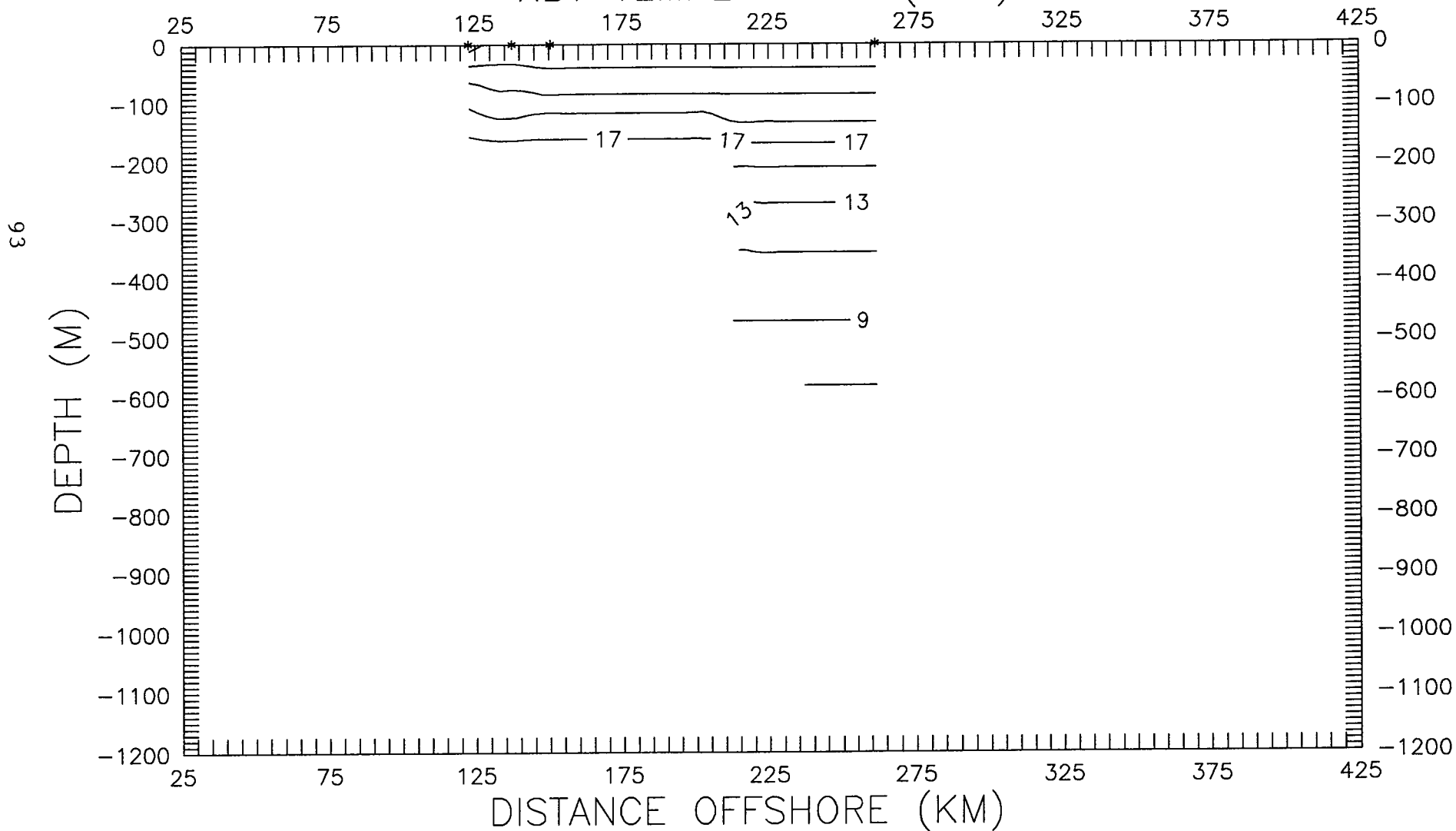
Depth (m)	Temp. (°C)
10.00	21.59
20.00	21.72
30.00	21.25
40.00	21.67
50.00	21.21
60.00	20.50
70.00	20.24
80.00	20.14
90.00	19.62

**Cruise:** GULFCET 01      **Station:** BL-EX2      **Probe Type:** T-7  
**Latitude:** 29° 03.34' N      **Longitude:** 88° 07.06' W      **Date:** 30-Apr-1992      **Time:** 0853

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	22.98	310.00	11.74	610.00	6.47
20.00	22.99	320.00	11.38	620.00	6.41
30.00	22.98	330.00	11.03	630.00	6.38
40.00	22.97	340.00	10.70	640.00	6.32
50.00	22.30	350.00	10.28	650.00	6.22
60.00	21.67	360.00	9.98	660.00	6.18
70.00	20.80	370.00	9.65	670.00	6.10
80.00	20.45	380.00	9.40	680.00	6.03
90.00	20.12	390.00	9.28	690.00	5.96
100.00	19.23	400.00	9.21	700.00	5.91
110.00	18.07	410.00	9.10	710.00	5.83
120.00	17.61	420.00	8.73	720.00	5.77
130.00	17.37	430.00	8.49	730.00	5.71
140.00	17.13	440.00	8.30	740.00	5.68
150.00	16.71	450.00	8.31	750.00	5.63
160.00	16.27	460.00	8.08	760.00	5.61
170.00	15.83	470.00	7.86		
180.00	15.37	480.00	7.57		
190.00	15.00	490.00	7.50		
200.00	14.80	500.00	7.27		
210.00	14.65	510.00	7.20		
220.00	14.23	520.00	7.14		
230.00	13.90	530.00	7.11		
240.00	13.59	540.00	6.92		
250.00	13.25	550.00	6.86		
260.00	12.92	560.00	6.78		
270.00	12.70	570.00	6.71		
280.00	12.35	580.00	6.65		
290.00	12.17	590.00	6.62		
300.00	11.93	600.00	6.54		

# GULFCET 01: LINE 01

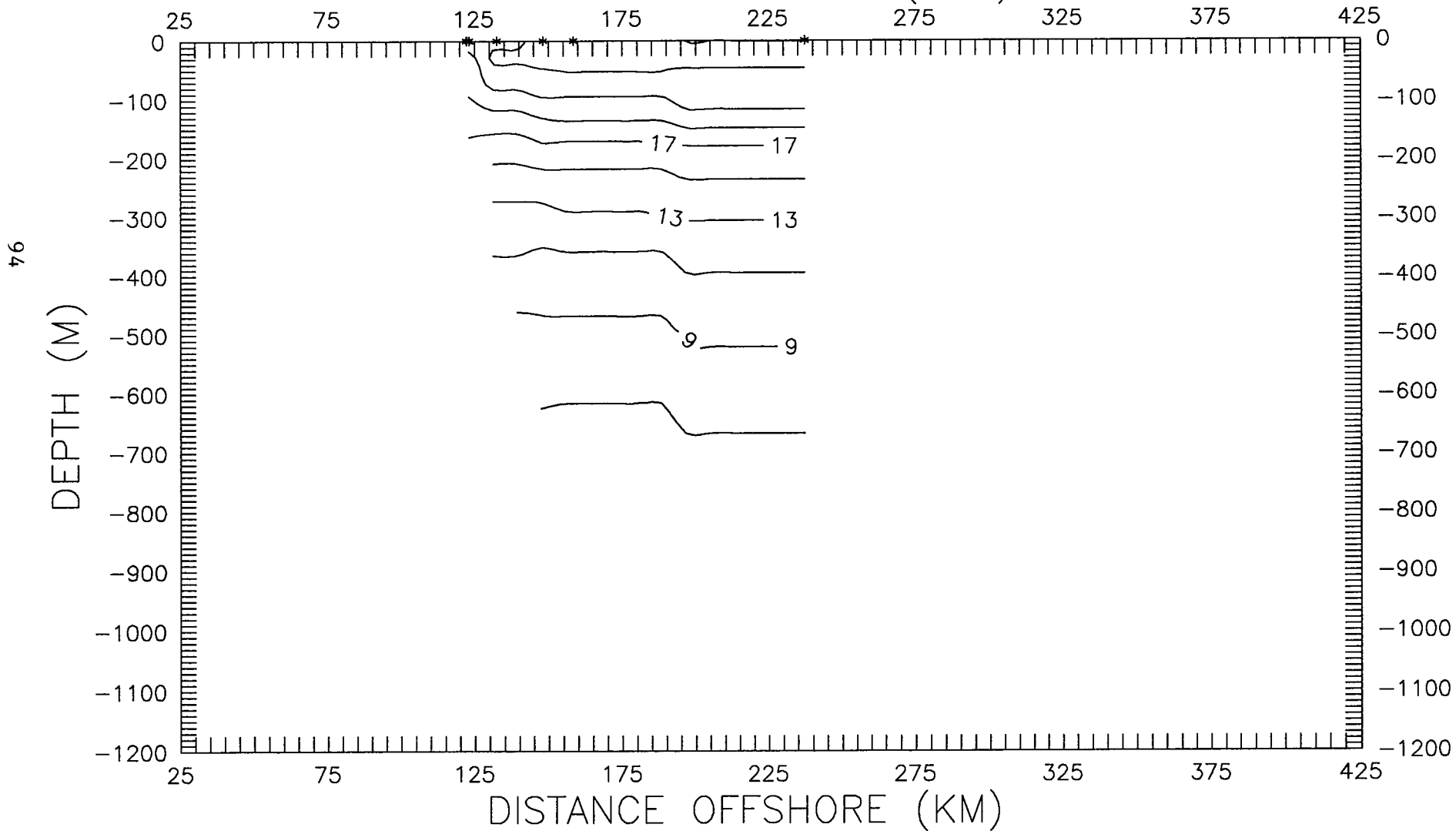
## XBT TEMPERATURE ( °C)





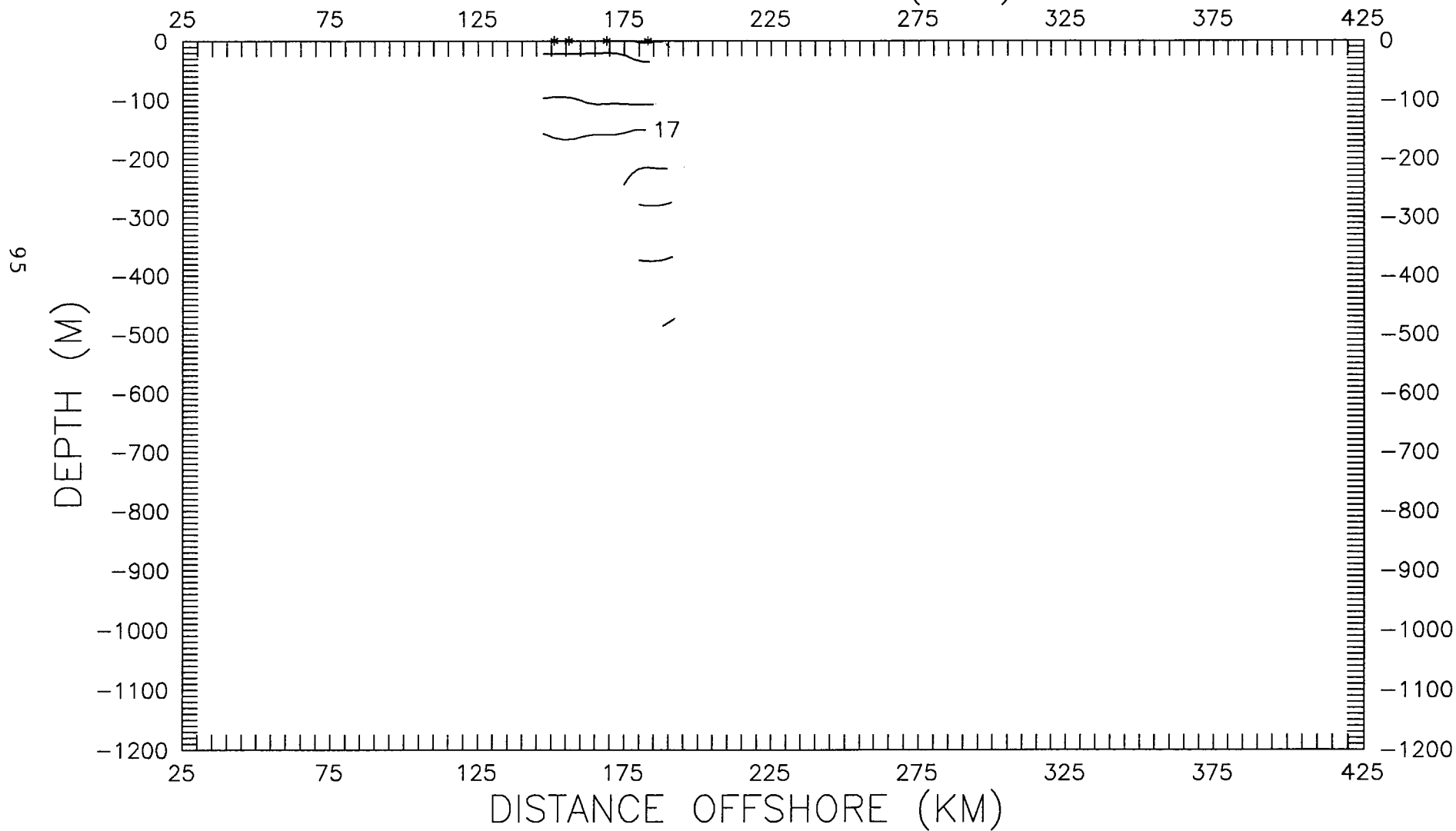
# GULFCET 01: LINE 02

## XBT TEMPERATURE ( °C)



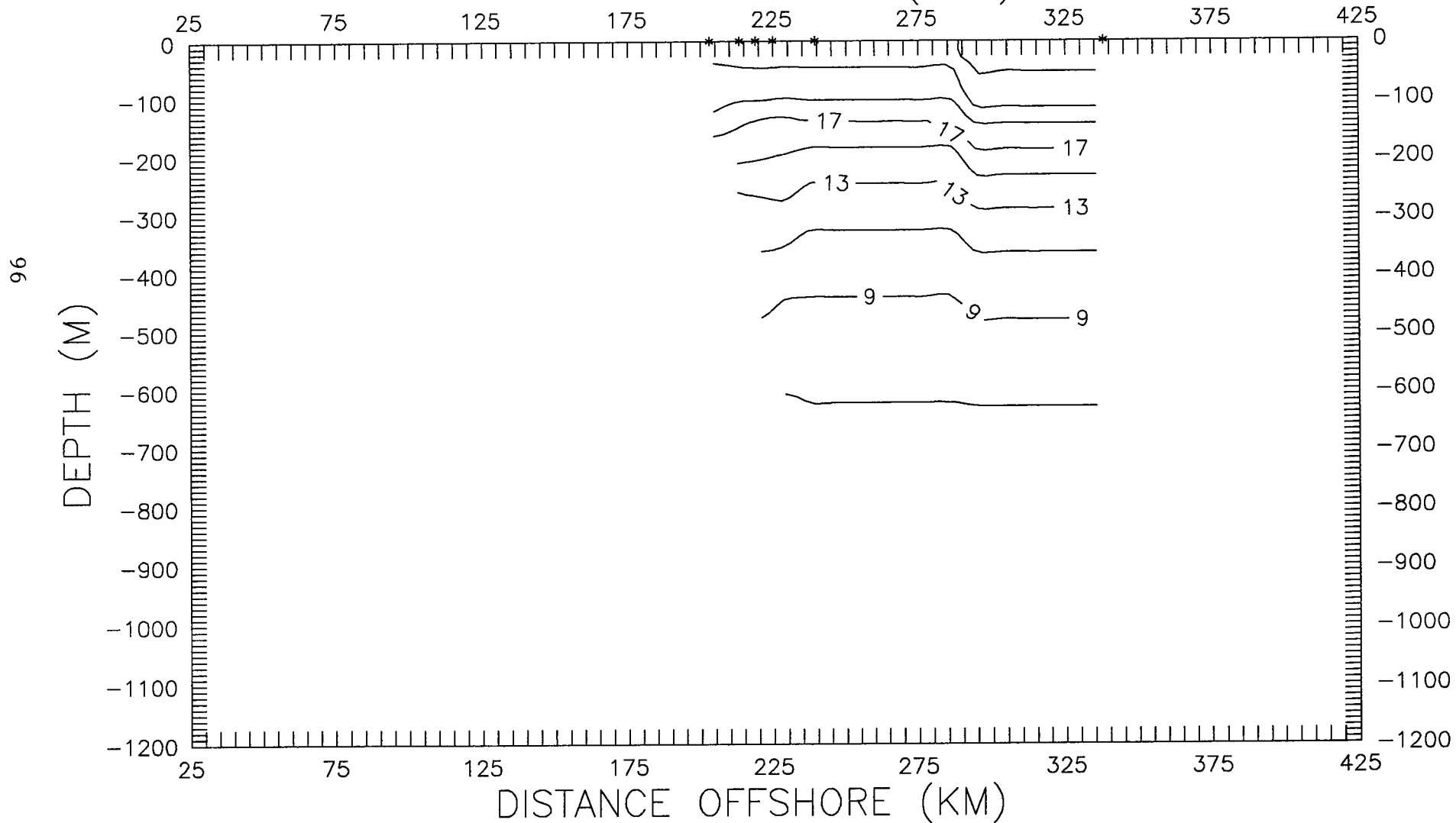
# GULFCET 01: LINE 03

## XBT TEMPERATURE ( °C)



# GULFCET 01: LINE 04

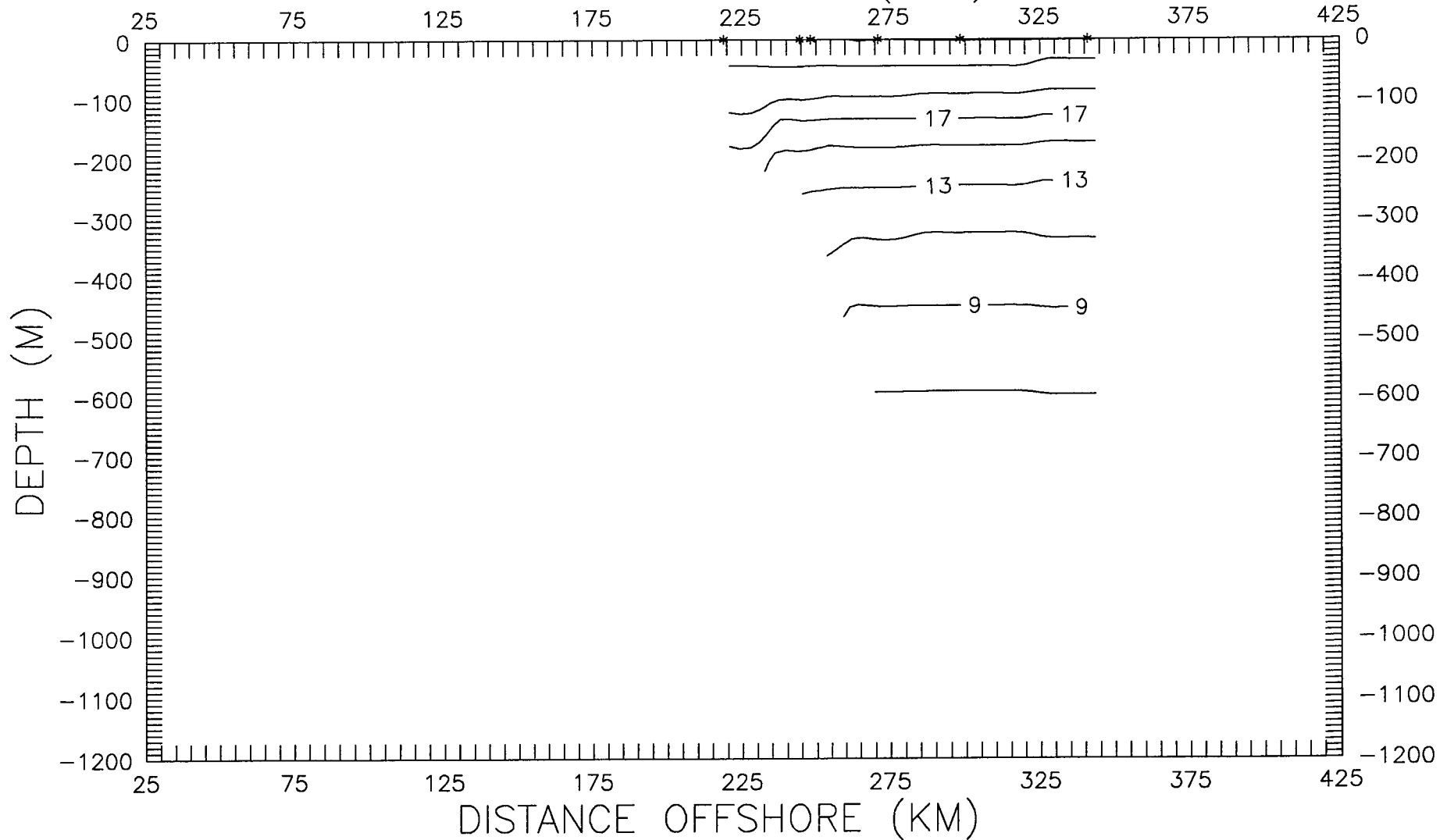
## XBT TEMPERATURE ( °C)



# GULFCET 01: LINE 05

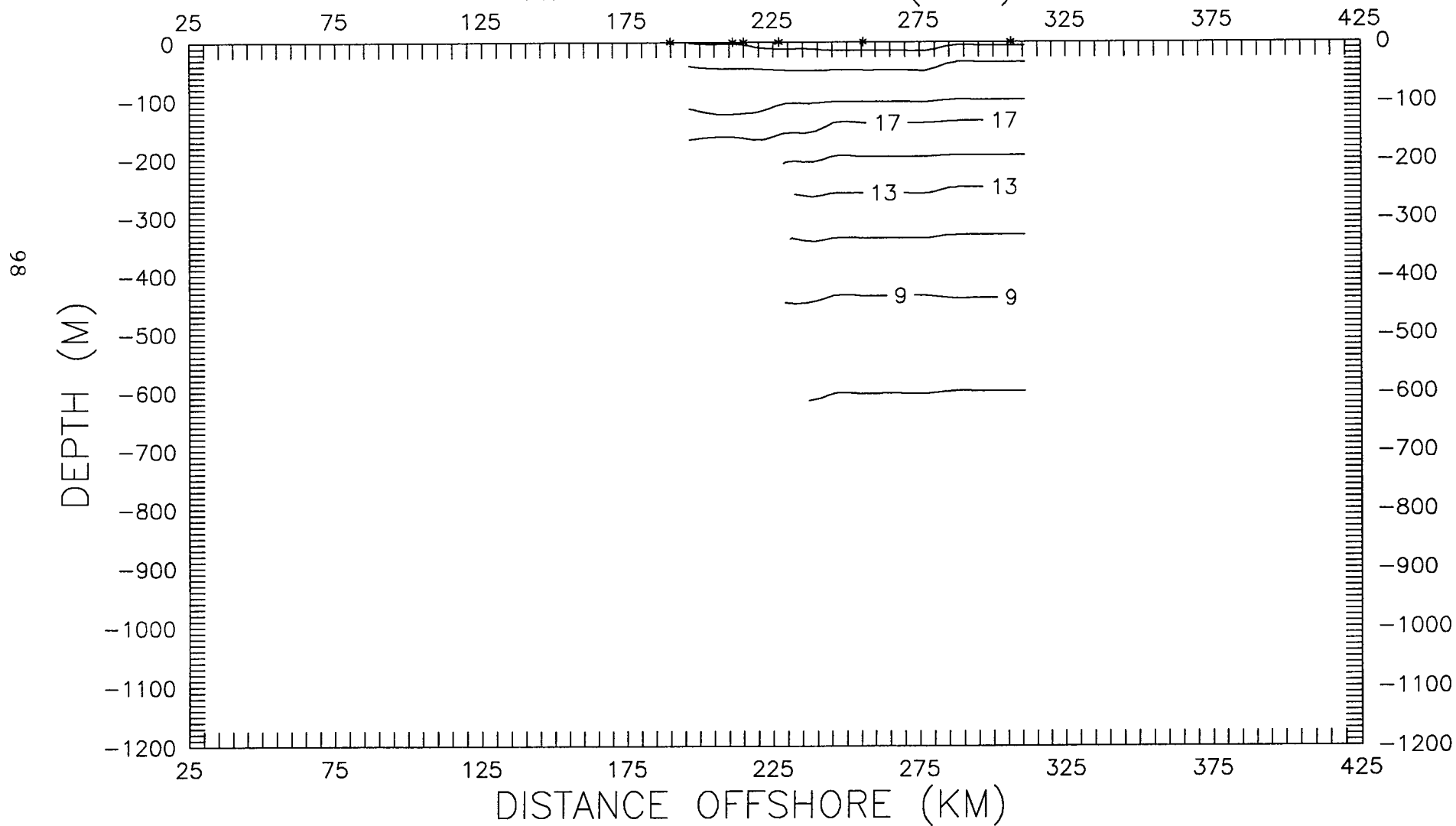
## XBT TEMPERATURE ( °C)

97



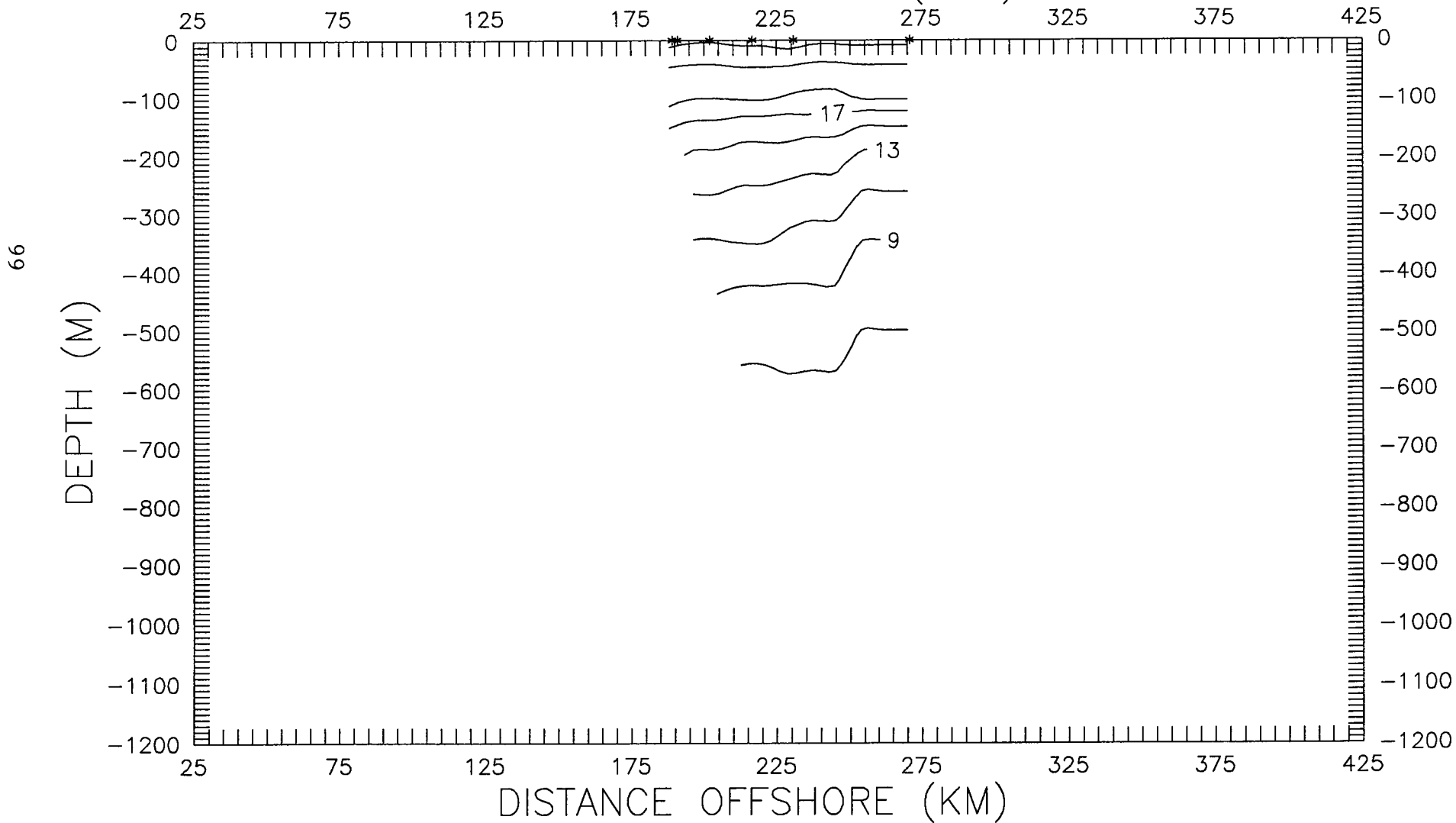
GULFCET 01: LINE 06

XBT TEMPERATURE ( °C)



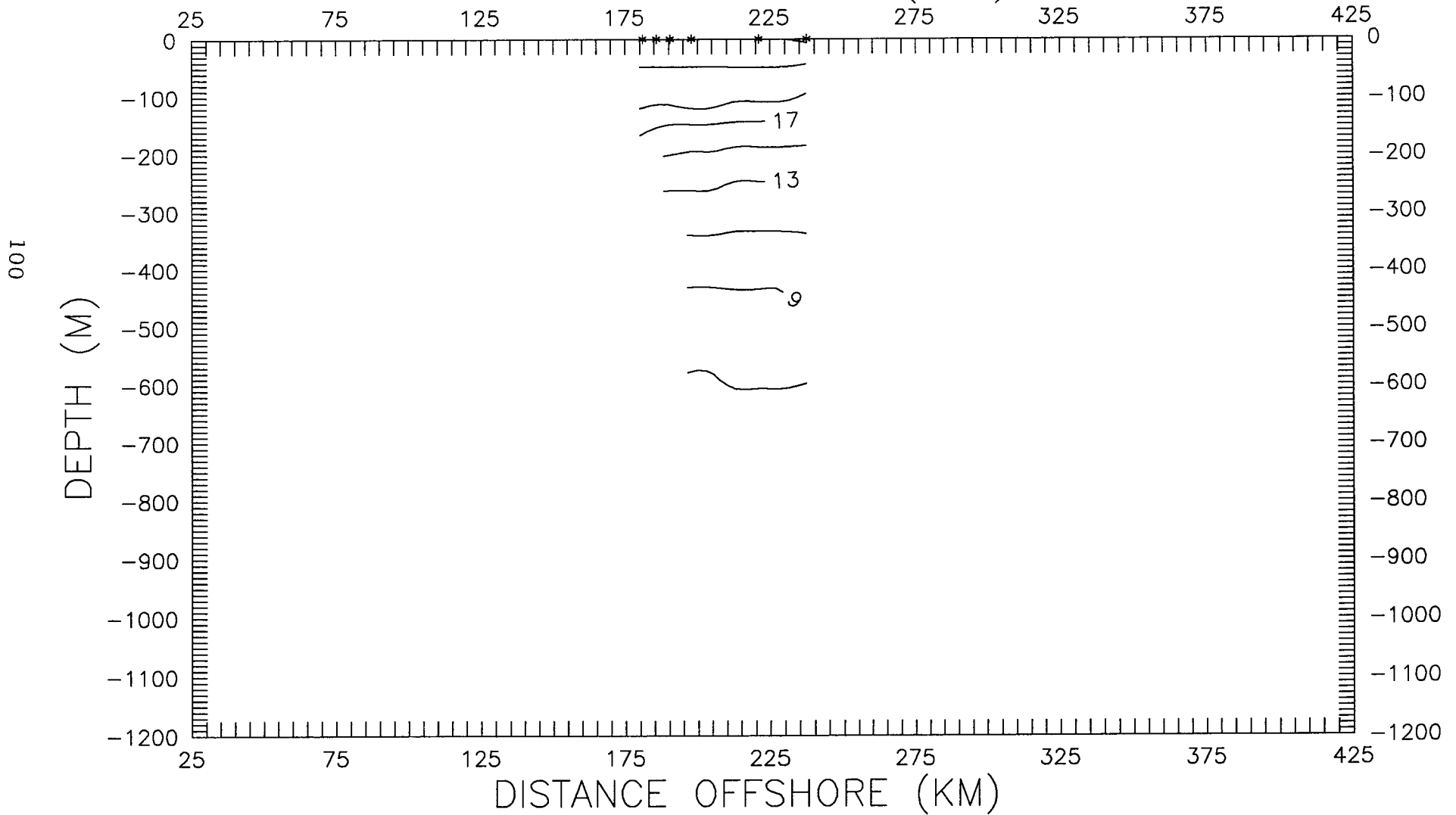
# GULFCET 01: LINE 07

## XBT TEMPERATURE ( °C)



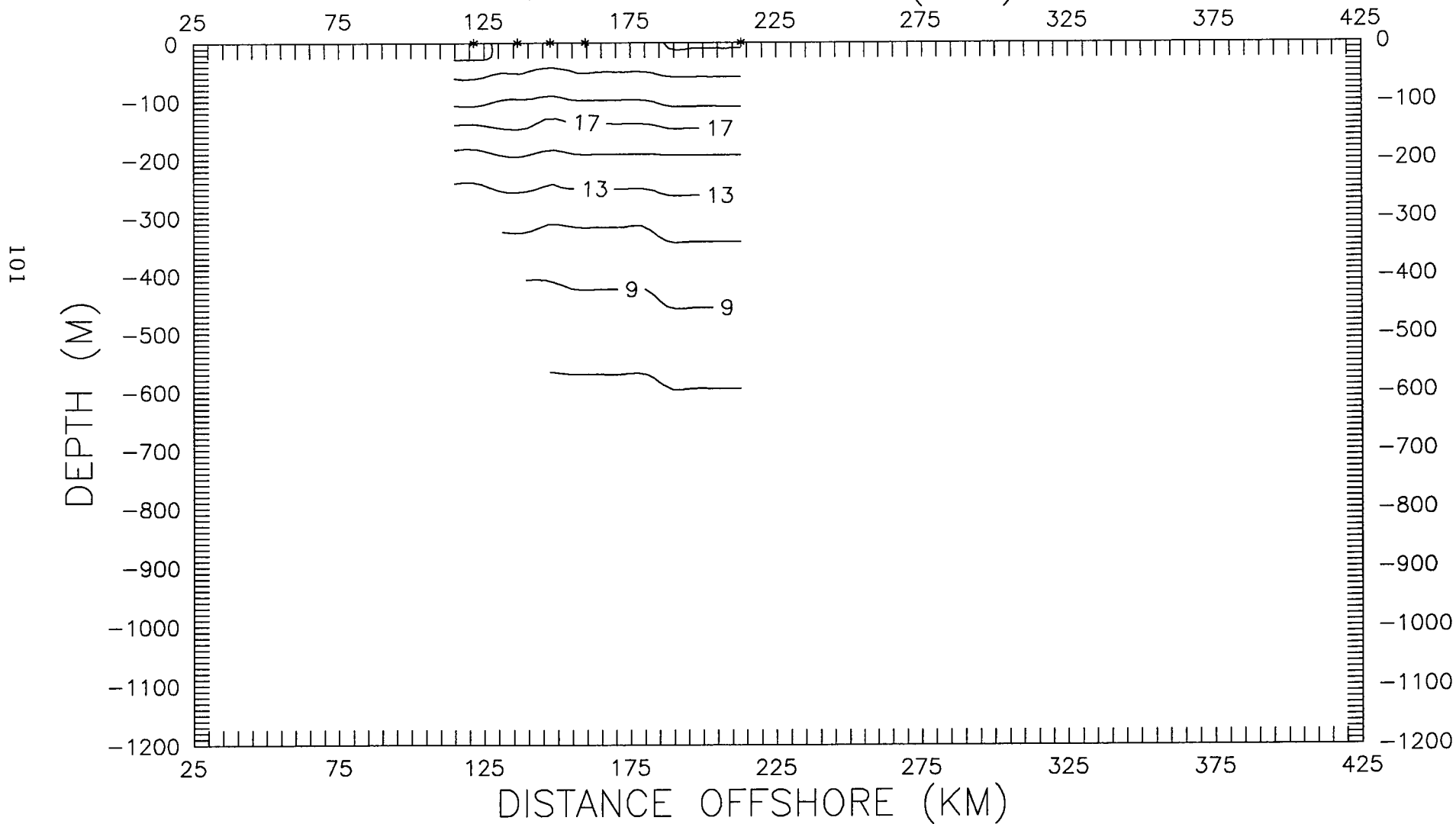
# GULFCET 01: LINE 08

## XBT TEMPERATURE ( °C)



# GULFCET 01: LINE 09

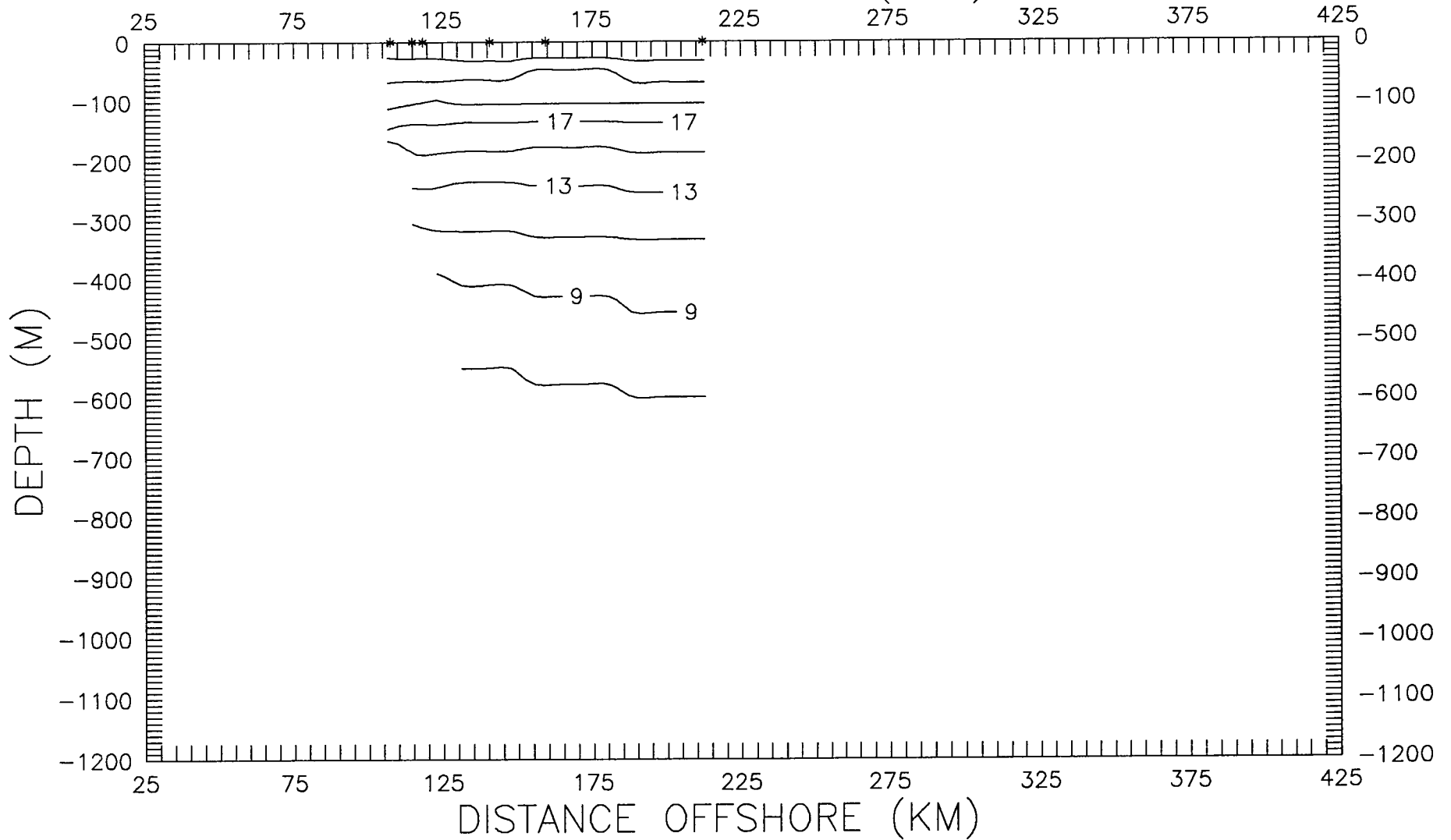
## XBT TEMPERATURE ( °C)





# GULFCET 01: LINE 10

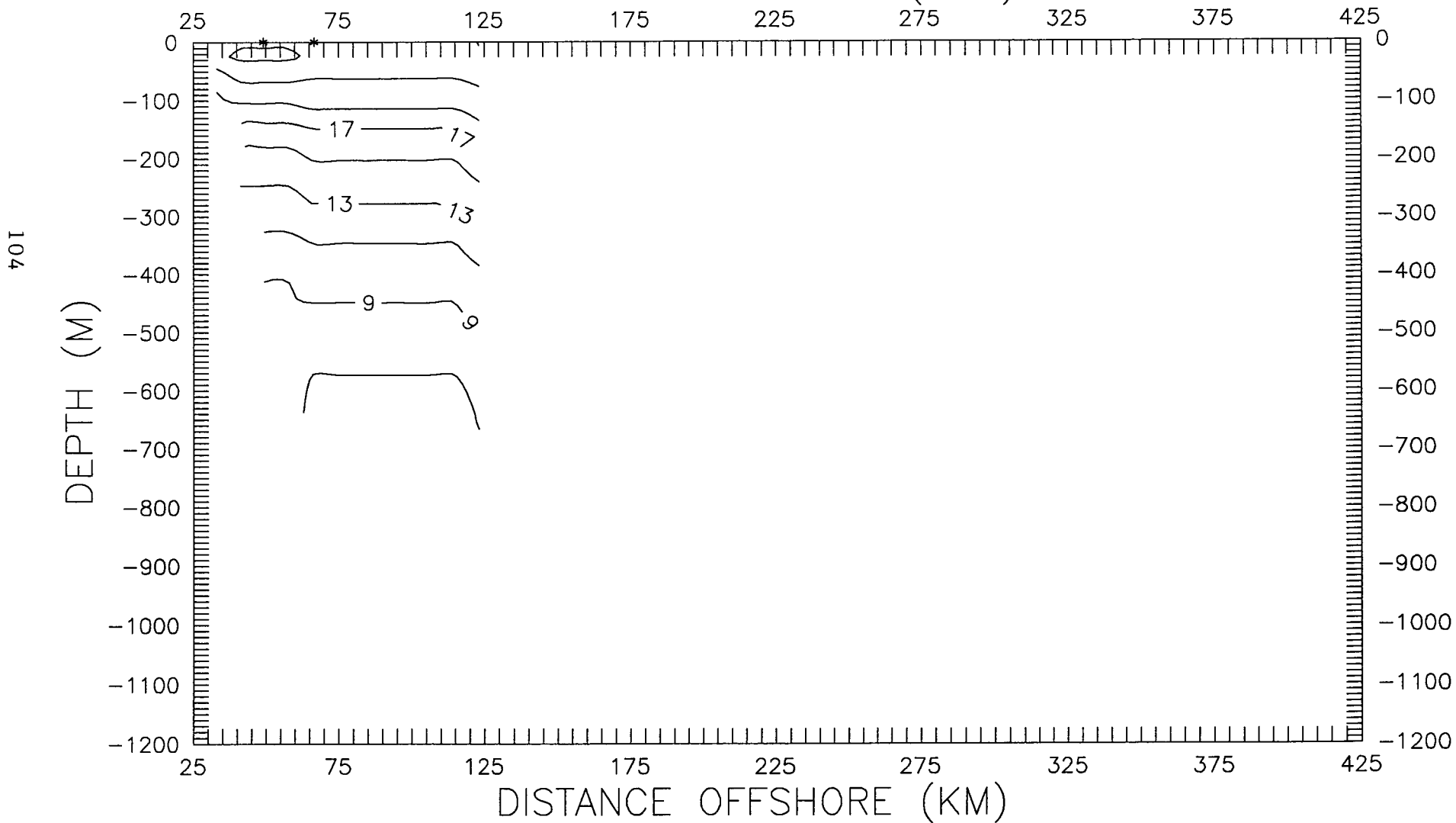
## XBT TEMPERATURE ( °C)





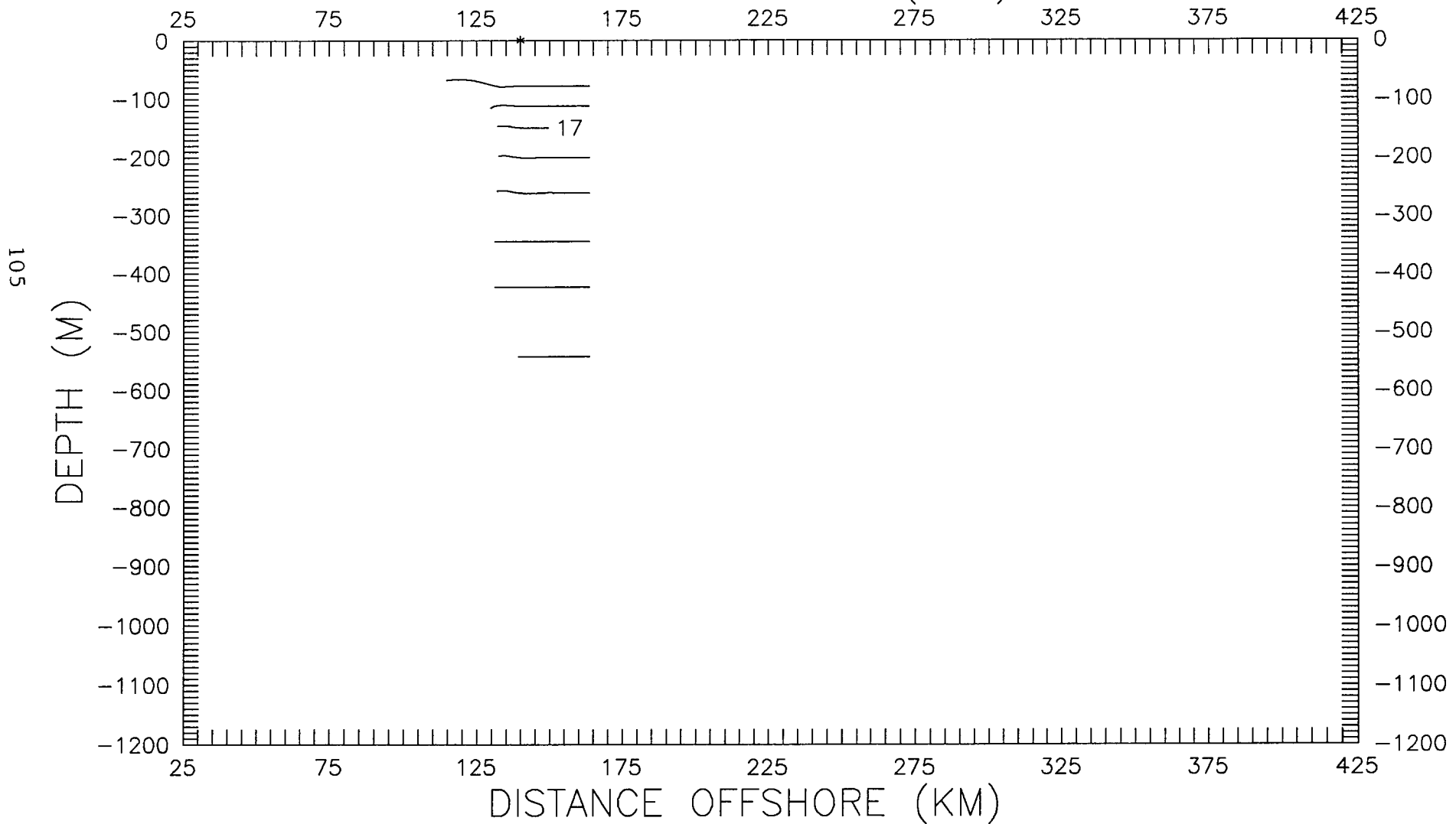
# GULFCET 01: LINE 12

## XBT TEMPERATURE ( °C)



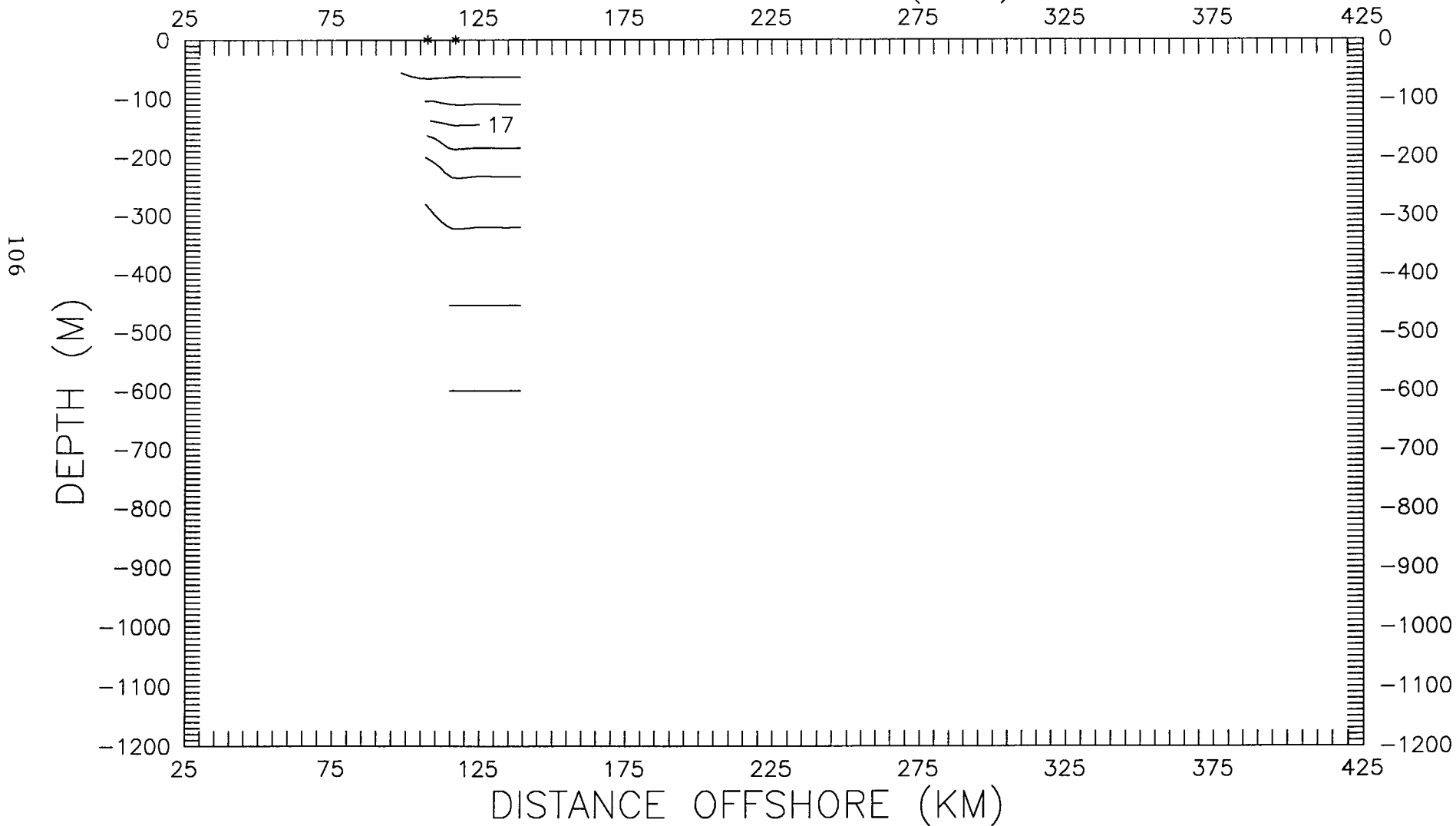
# GULFCET 01: LINE 13

## XBT TEMPERATURE ( °C)



# GULFCET 01: LINE 14

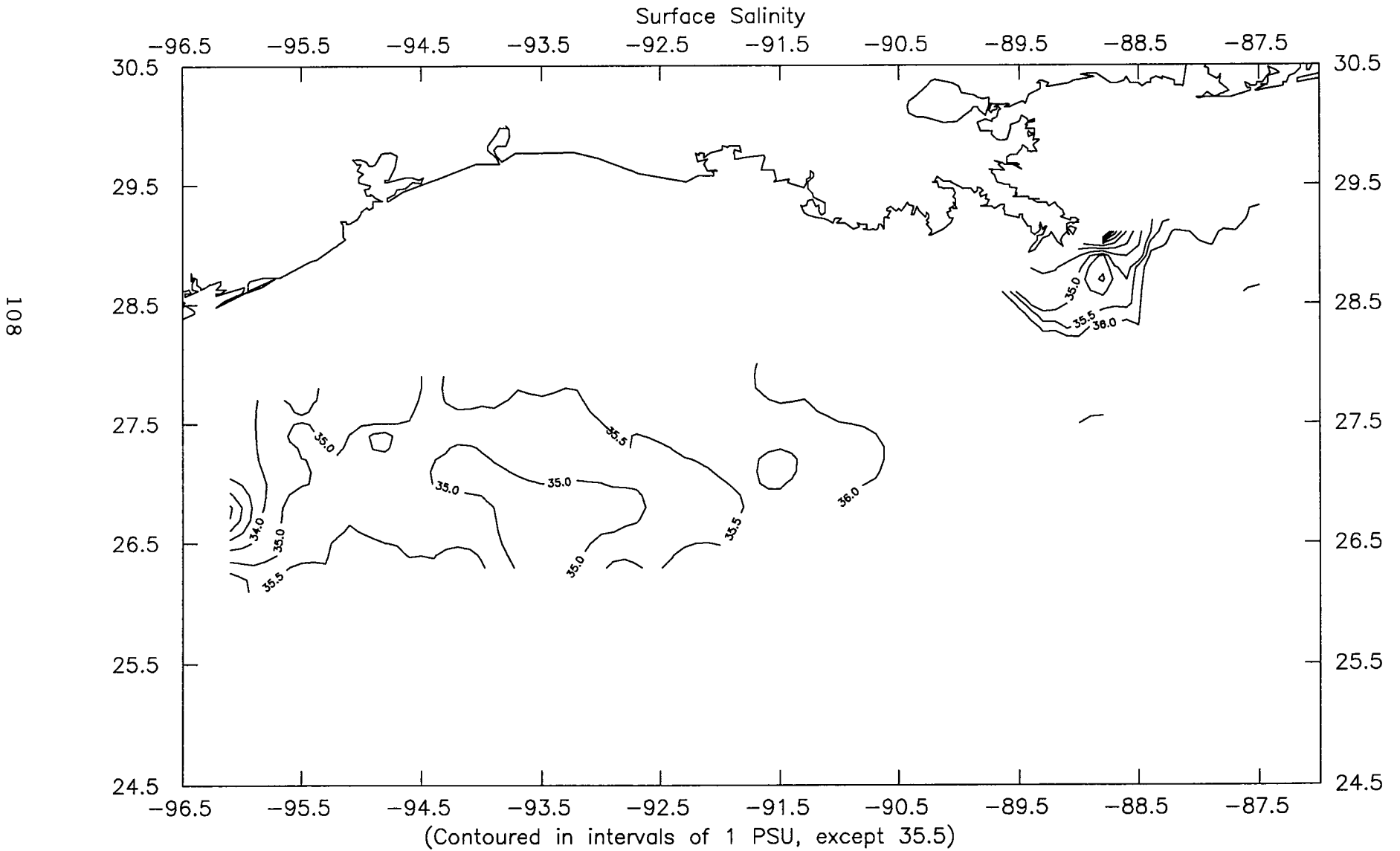
## XBT TEMPERATURE ( °C)



**SALINITY DATA:**

- SEA SURFACE SALINITY MAP
- DATA SUMMARY TABLES

# GULFCET 01



Cruise 01 CTD Station Salinities

Station	Depth	Salinity	Station	Depth	Salinity	
01-001	0	33.7622	04-036	0	35.2843	
	5	35.1914		65	36.2185	
	10	35.7388		700	34.9074	
	01-002	15	35.8987	04-042	0	35.6221
		20	36.0064		5	35.6324
		25	36.1013		7	35.6254
		30	36.1191		19	36.1228
		40	36.0712		31	36.2251
		50	36.0415		40	36.2467
60		36.0683	45		36.2523	
0		33.1793	50		36.2469	
69		36.0347	55		36.2438	
01-006	0	30.4307	60	36.2063		
	35	35.9148	65	36.2492		
01-009	0	35.7684	70	36.2585		
	100	36.1610	05-043	0	35.5212	
02-010	0	36.0077		31	35.9437	
	500	35.2429	70	36.2356		
02-013	0	35.5990	05-047	0	35.3415	
	500	35.1171		19	35.5998	
02-015	0	35.7052		500	35.0257	
	450	35.1415	05-050	0	34.6967	
02-020	0	33.7249		700	34.9061	
	70	36.2131	05-053	47	36.2201	
03-021	0	34.4708		1000	34.9316	
	70	36.0857	06-054	0	35.7440	
04-031	0	35.8801		400	35.3195	
	51	36.3549	06-055	0	34.9927	
	1000	34.9532		12	34.9072	
04-033	0	35.3948		700	34.9192	
	61	35.4836				
	1000	34.9358				



Cruise 01 Surface Salinities

Station	Depth	Salinity	Station	Depth	Salinity	Station	Depth	Salinity
01-004	Surface	33.4414	06-063	Surface	35.5650	11-114	Surface	36.2632
01-005	Surface	31.1096	06-064	Surface	35.6765	12-116	Surface	35.8576
01-007	Surface	29.5694	07-065	Surface	35.9817	12-117	Surface	36.2572
01-008	Surface	35.8083	07-066	Surface	35.8541	12-118	Surface	36.3024
02-014	Surface	34.9295	07-067	Surface	35.8310	12-119	Surface	36.2451
02-016	Surface	35.2562	07-068	Surface	35.7529	12-120	Surface	36.3131
02-017	Surface	33.6630	07-069	Surface	35.7581	12-121	Surface	36.0980
02-019	Surface	33.6476	07-070	Surface	35.5770	12-122	Surface	36.2636
03-022	Surface	34.3869	07-073	Surface	35.3024	12-123	Surface	36.2509
03-023	Surface	34.5254	07-075	Surface	35.7758	12-124	Surface	30.7156
03-024	Surface	34.4241	08-078	Surface	35.2247	12-125	Surface	21.0615
03-025	Surface	33.9879	08-079	Surface	35.6233	13-126	Surface	34.8545
03-026	Surface	35.8688	08-081	Surface	35.9069	13-127	Surface	35.1284
03-027	Surface	35.7839	08-082	Surface	36.0675	13-128	Surface	35.9767
04-034	Surface	34.4075	08-083	Surface	36.0993	13-129	Surface	36.0485
04-035	Surface	34.7161	08-085	Surface	36.1005	13-130	Surface	36.3073
04-037	Surface	35.4492	09-089	Surface	36.3611	13-131	Surface	36.1770
04-038	Surface	35.4778	09-090	Surface	36.1987	13-132	Surface	36.3677
04-039	Surface	35.5595	09-091	Surface	36.0516	13-133	Surface	36.3273
04-040	Surface	35.6607	09-092	Surface	36.1911	13-134	Surface	36.2774
05-044	Surface	35.6219	09-093	Surface	35.9767	14-135	Surface	35.8091
05-045	Surface	35.3609	09-094	Surface	35.7647	14-136	Surface	36.1319
05-046	Surface	35.3756	09-095	Surface	36.1075	14-137	Surface	36.1234
05-048	Surface	35.2707	10-098	Surface	36.3170	14-138	Surface	36.1059
05-049	Surface	35.0665	10-099	Surface	36.2224	14-139	Surface	36.1793
05-051	Surface	34.6709	10-101	Surface	36.2812	14-140	Surface	36.2350
05-052	Surface	34.6118	10-102	Surface	36.3323	14-141	Surface	36.1354
06-056	Surface	34.5798	10-103	Surface	36.2861	14-142	Surface	35.2208
06-057	Surface	35.1523	10-104	Surface	36.3475	14-143	Surface	34.8941
06-058	Surface	35.5522	10-105	Surface	36.3972	xbtex1	Surface	35.6688
06-061	Surface	35.5762	11-112	Surface	36.0566	xbtex2	Surface	36.2665
06-062	Surface	35.5251	11-113	Surface	36.0780			

**WEATHER DATA:**  
**-DATA SUMMARY TABLE**

## Cruise 01 Weather Data

Station	Wave dir	Wave Height	Wave Period	Wind Dir	Wind Speed	Barometer	Air Temp Dry °C	Weather	Cloud Type	Cloud Amount	Visibility	Water Color	Water Transpar	SST °C
01-001	14	2	1	14	20	1019	24.0	1	8	3	7			23
01-002	17	2	1	14	20	1019	23.2	1	8	3	7			24
01-004	14	1	1	14	16	1019		1	8	1	7			24.5
01-005						1019		1	8	1	7			24.5
01-006	13	2	1	12	10	1017	25.0	1	8	1	7	11	28	23
01-007	14	2	1	14	10	1016	24.5	1	4	1	7			24
01-008						1016	23.0							24
01-009						1015	23.5							25
01-010		3	0.5			1018	25.0	1	8	3	7	4.5	40	25.5
01-013	15	3	1			1015	24.5	1	7	6	6			25.5
01-014						1017	23.0							24.5
01-015						1016	23.0							24.5
01-016						1015	23.5							24.5
02-010														
02-013														
02-015														
02-017						1014	22.5							23
02-019						1014	23.0							23
02-020						1014	23.5							24
03-021	10	2	1	10	13	1016	26.0	1	8	4	7	6	27	24
03-022								1	8	5	7			24
03-023						1015	26.0	1	8	4	6			24.5
03-024						1015	26.0							24
03-025	14	2				1013	26.0	1	4	1	7			24.5
03-026	14	3				1012	26.0	2	4	7	7			25
03-027	14	3				1012	26.0	2	4	7	7			25.5
04-042	14	4	0.5	14	18	1010	22.0	1	1	1	7	1		23.5
04-041						1010	22.0	1	1	1	7			23.5
04-040						1010	21.0							23.5
04-039						1010	20.0							22.5
04-038														
04-037						1010	22.0	1	6	2	7			22.2
04-036	32	2	1.5	32	11	1012	22.2	1	8	2	7			22
04-035						1014	22.0							21
04-034						1014	22.0							21
04-033						1014	22.5							21.5
04-032						1015	22.5							22
04-031	36	2	6	36	16	1016	23.0	1	0	1	7	2	35	23
05-043	1	2	0.5	2	6	1016	24.0	2	6	9	5	4	35	23
05-044						1020	24.5							23
05-045						1020	28.0	2	4	8	7			25
05-046						1020	27.0	2	4	7	7			24
05-047	7	2	2	7	8	1020	28.0	2	4	7	7	6	41	24
05-048						1020	28.0	2	4	6	7			24.5
05-050				14	11	1020	25.0	2						24
05-052				29	20	1020	21.0							23
05-053				15	12	1019	20.5							
06-054	12	1	6	18	6	1018	27.0	1	4	2		3	30	25.5
06-EX1						1018	26.5							26
06-055	13	0.5	1	18		1015	27.0	1	4	6	7	4	35	25
06-056						1017	26.5	1	6	7	7			25
06-057						1018	25.5	1	5	6	7			25.5
06-058						1018	25.5							25.5
06-059						1018	25.5							25.5
06-061						1016	24.5							25
06-062						1016	24.5							25
06-063						1017	26.0		4	6				24.5
06-064						1019	27.0		5	8				24
07-065						1018	24.5							24
07-066						1017	26.0		6	6				24.5
07-067						1017	26.0		6	6				24
07-068						1017	25.0							24
07-069						1017	27.5							25

## Cruise 01 Weather Data

Station	Wave dir	Wave Height	Wave Period	Wind Dir	Wind Speed	Barometer	Air Temp Dry °C	Weather	Cloud Type	Cloud Amount	Visibility	Water Color	Water Transpar	SST °C
07-070						1017	25.0		4	5				24
07-073						1020	22.5							23.5
07-075						1021	22.0							24.5
08-077						1022	22.5							23.3
08-078	36	3	1	36	18	1023	20.5	1	2	4	7			23.5
08-079						1024								23
08-081						1025	18.5							22.5
08-082						1025	21.0							22.5
08-083						1025	20.5							
08-085						1024	19.5							23
08-086														
09-089						1024	22.0							23.5
09-090						1025	22.0	1	8	1	7			23.5
09-091						1025	22.5							23.5
09-092						1024	23.5	2	8	1				24
09-093							24.0		2	8	1			24
09-095						1025	20.0							23.5
10-098						1024	21.0							24
10-099						1026	23.5		1	1	1	7		23.5
10-100						1026	24.0		1	0		7		24
10-101						1025		1	0	1	7			24
10-102						1025	24.0	1	0	1	7			24
10-103						1025	22.0	1	0	8	7			24
10-104						1025	25.0	1	0	8	7			24
10-105						1024	23.0	1	0	8	7			24
11-106						1022	19.0	1	0	8	7			23.5
11-107						1023	18.0							23
11-108						1023	17.5							23.5
11-109						1023	17.0							23.5
11-110						1023	17.0							23
11-111						1023	17.0							23
11-112						1022								23
11-113						1022	18.5							22.5
11-114						1023	18.0	1	0	3	7			24
12-116						1023	24.0	1	0	3	7			23
12-117						1021	20.5	1	1	3	7			24
12-118						1020	19.5	2	4	8	7			23.5
12-119						1019	20.0							23.5
12-120						1021	20.0							23
12-121						1021	19.5							23
12-122						1021	19.5							23.5
12-123						1020	19.5							23.5
12-124						1020	19.5							22
12-125						1020	20.0							22
13-126						1020	20.0							22
13-127						1021	20.0	2	8	8	6			22.5
13-128						1021	22.0	2	8	8	6			22.5
13-129						1021	22.0	1	6	7	7			24
13-EX2						1022		1	8	4				23.5
13-130						1022	23.5	1	8	3	7			23.5
13-131						1022	23.5	1	8	3	7			24
13-132						1022	24.0	1	8	2	7			24.5
13-133						1021	24.0	1	8	1	7			24.5
13-134						1021	24.0	1	8	1	7			24.5
13-135						1021	24.0	4	0	8	6			24
14-136						1022	21.0							24
14-137						1022	21.0							24
14-138						1022	20.0							23
14-139						1022	20.5							23
14-140						1022	21.0							23
14-141						1022	21.0							23
14-142						1022	21.0							23
14-143						1021	20.0							22.5

## STATION POSITIONS

## Cruise 01. XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
01-003	4/15/92	1117	27°24.21	96°10.60	T-10	07-071	4/25/92	1832	27°26.50	92°10	T-7
01-004	4/15/92	1244	27°15.25	96°10.55	T-10	07-072	4/25/92	2221	27°10.03	92°10.06	T-7
01-005	4/15/92	1356	25°08.4	96°10.5	T-10	07-073	4/26/92	0208	26°46	92°10	T-7
01-008	4/16/92		26°07.95	96°09.93	T-7	07-074	4/26/92	0356	26°35	92°10	T-7
01-009	4/16/92	1600	26°04.20	96°10.20	T-7	07-075*	4/26/92	0702	26°17.02	92°10.03	T-7
02-011	4/16/92	1039	26°07.38	95°30.05	T-7	08-077	4/26/92	1741	27°06.42	91°30	T-7
02-012	4/16/92	1534	26°41.14	95°30.09	T-7	08-078	4/26/92	1830	27°11	91°30	T-7
02-014	4/16/92	2323	27°23.3	95°30.4	T-7	08-079	4/26/92	2023	27°22.99	91°29.98	T-7
02-016	4/17/92	0135	27°28	95°30.15	T-7	08-081	4/26/92	2159	27°33	91°30	T-7
02-017	4/17/92	0305	27°36.54	95°30.16	T-7	08-082	4/27/92	0003	27°45.51	91°29.99	T-7
02-018	4/17/92	0359	27°41.39	95°31.07	T-10	08-083	4/27/92	0042	27°49.58	91°29.97	T-7
02-019	4/17/92	0406	27°42.08	95°30.02	T-10	08-084	4/27/92	0107	27°52.02	91°30	T-7
03-022	4/17/92	1153	27°51.5	94°50.1	T-10	08-085	4/27/92	0116	27°52.99	91°30.01	T-10
03-023	4/17/92	1216	27°49	94°50.08	T-10	09-089	4/27/92	0958	28°00.03	90°50.02	T-7
03-024	4/17/92	1329	27°41.92	94°49.91	T-10	09-090	4/27/92	1110	27°51.95	90°49.99	T-7
03-025	4/17/92	1451	27°34	94°50	T-7	09-091	4/27/92	1208	27°45.68	90°49.93	T-7
03-026	4/17/92	1622	27°26	94°50	T-7	09-092	4/27/92	1304	27°39.51	90°49.99	T-7
03-027*	4/17/92		27°23	94°50	T-7	09-094	4/27/92	1715	27°16	90°50	T-7
04-032	4/21/92	0619	26°36.94	94°10.04	T-7	09-095	4/27/92		26°47.5	90°49.9	T-7
04-034	4/21/92	0041	27°06.05	94°09.85	T-7	10-097	4/28/92	0346	27°09.97	90°09.97	T-7
04-035	4/21/92	2310	27°15.10	94°09.79	T-7	10-098	4/28/92	0401	27°11.53	90°10.12	T-7
04-037	4/20/92	1930	27°29.97	94°10.03	T-7	10-099	4/28/92	0849	27°39.98	90°10.05	T-7
04-038	4/20/92	1808	27°38.15	94°10.01	T-7	10-101	4/28/92	1023	27°50.6	90°09.93	T-7
04-039	4/20/92	1741	27°41	94°10.08	T-7	10-102	4/28/92	1211	27°02.02	90°10.04	T-7
04-040	4/20/92	1709	27°44	94°10.37	T-7	10-103	4/28/92	1228	28°04.01	90°10.03	T-7
04-041	4/20/92	1621	27°49.44	94°10.32	T-10	10-104	4/28/92	1315	28°09.49	90°09.99	T-7
05-044	4/23/92	0949	27°49.06	93°29.98	T-10	10-105	4/28/92	1413	28°16.49	90°09.91	T-7
05-045	4/23/92	1159	27°35	93°30	T-7	11-106	4/28/92	1909	28°45	89°29.83	T-7
05-046	4/23/92	1218	27°33	93°30	T-7	11-107	4/28/92	2033	28°36	89°30.04	T-7
05-048	4/23/92	1459	27°21	93°30	T-7	11-108	4/28/92	2112	28°31.98	89°30.03	T-7
05-049	4/23/92	1713	27°05.98	93°29.98	T-7	11-109	4/28/92	2149	28°28	89°30.07	T-7
05-051	4/23/92	2244	26°43	93°30	T-7	11-110	4/28/92	2249	28°21.49	89°30.06	T-7
05-052	4/24/92	0045	26°32.01	93°29.98	T-7	11-111	4/28/92	2352	28°15.01	89°30.02	T-7
06-EX1	4/24/92	1549	26°41.16	92°20.8	T-10	11-112	4/29/92	0119	28°06.02	89°29.98	T-7
06-056	4/24/92	1833	26°52.02	92°50.03	T-7	11-113	4/29/92	0535	27°37.91	89°30.05	T-7
06-057	4/24/92	1935	26°58.25	92°50.06	T-7	11-114	4/29/92	0706	27°27.99	89°30.01	T-7
06-058	4/24/92	2328	27°19	92°50	T-7	12-116	4/29/92	1125	27°26.08	88°49.99	T-7
06-060	4/25/92	0411	27°34.51	92°49.99	T-7	12-117	4/29/92	1419	27°46.03	88°50.03	T-7
06-061	4/25/92	0510	27°41.05	92°50.03	T-7	12-120	4/29/92	2307	28°43.5	88°49.93	T-7
06-062	4/25/92	0528	27°43.04	92°50.08	T-10	12-122	4/30/92	0038	28°53.02	88°49.99	T-7
06-063	4/25/92	0715	27°54.5	92°50	T-10	12-125	4/30/92	0250	29°06.51	88°50.01	T-7
06-064	4/25/92	0822	28°20	92°50	T-10	BL-EX2	4/30/92	0853	29°03.34	88°07.06	T-7
07-065	4/25/92	1259	28°01.94	92°09.99	T-10	13-126	4/30/92	0650	29°16.5	88°10	T-7
07-066	4/25/92	1421	27°52.97	92°09.97	T-10	13-131	4/30/92	1038	29°02.37	88°09.98	T-7
07-067	4/25/92	1432	27°52.02	92°10.08	T-10	13-134	4/30/92	1424	28°37.04	88°09.99	T-7
07-068	4/25/92	1534	27°45	92°10	T-7	14-135	4/30/92	1805	28°31.06	87°29.91	T-7
07-069	4/25/92	1649	27°37	92°10	T-7	14-138	5/1/92	0020	29°15	87°30	T-7
07-070	4/25/92	1756	27°29.5	92°10	T-7	14-140	5/1/92	0106	29°20	87°30.2	T-7
						14-143	5/1/92	0204	29°27.03	87°29.8	T-7

Note: \* "bad" probe

Cruise 01 CTD Station Positions

Station	Date	Start Time	Latitude	Longitude
01-001	4/15/92	0636	27°38.00	96°11.00
01-002	4/15/92	0955	27°26.57	93°10.28
01-006	4/15/92	1723	26°45.94	96°09.89
01-009	4/16/92	0308	27°03.23	96°10.40
02-010	4/16/92	0918	26°03.50	96°30.60
02-013	4/16/92	1650	26°46.40	95°30.05
02-015	4/17/92	0010	27°26.70	95°30.40
02-020	4/17/92	0512	27°47.15	95°29.92
03-021	4/17/92	1037	27°56.29	94°49.60
04-031	4/21/92	1023	26°17.01	94°10.11
04-033	4/21/92	0350	26°45.68	94°09.28
04-036	4/20/92	2022	27°25.76	94°10.02
04-042	4/20/92	1518	27°53.92	94°09.85
05-043	4/23/92	0650	27°59.93	93°29.96
05-047	4/23/92	1330	27°26.18	93°30.00
05-050	4/23/92	2035	26°46.31	93°30.02
05-053	4/24/92	0458	26°10.21	93°29.97
06-054	4/24/92	1047	26°13.99	92°50.02
06-055	4/24/92	1650	26°46.30	92°49.12

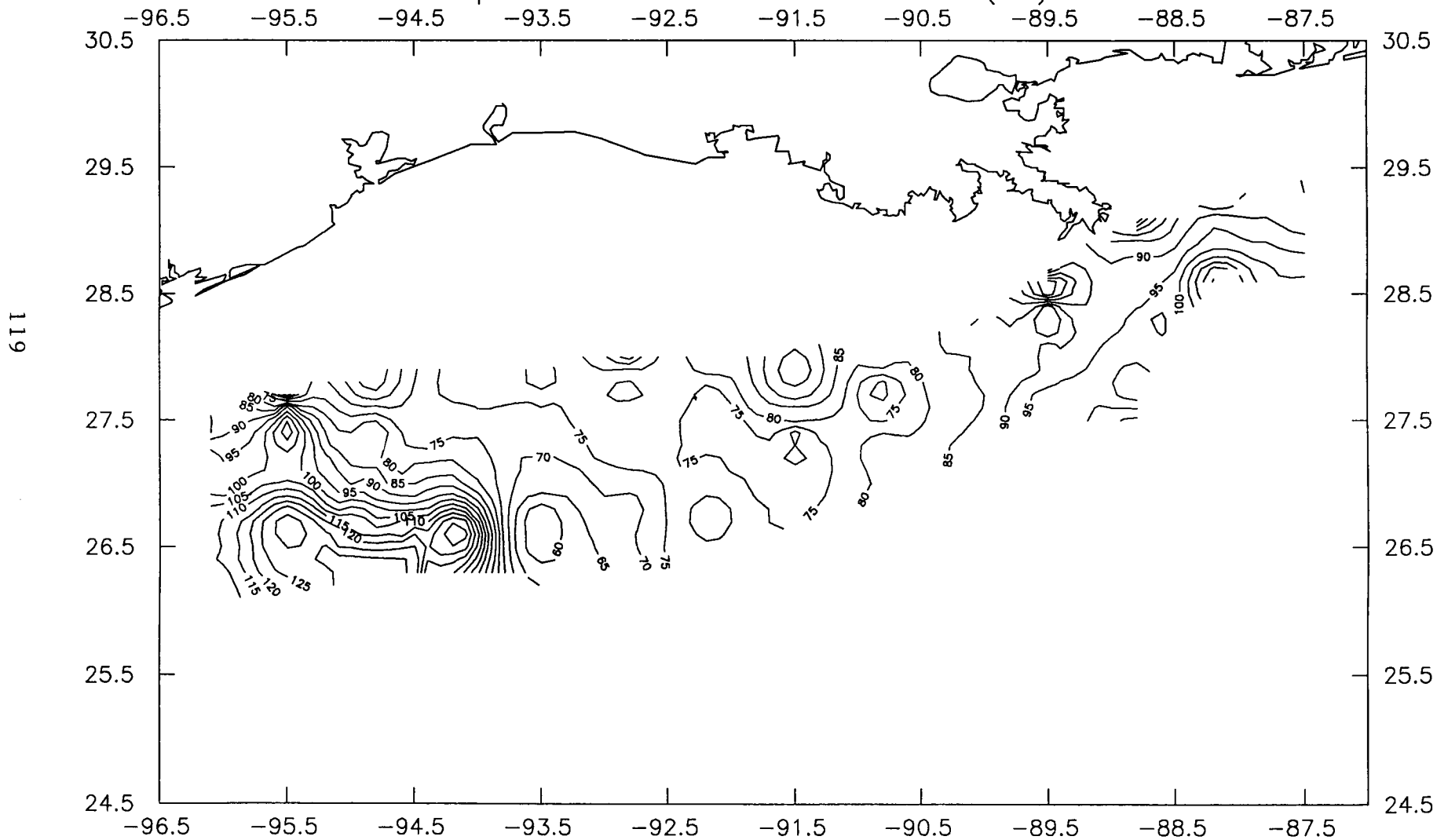
15° ISOTHERM DEPTH MAP  
20° ISOTHERM DEPTH MAP





# GULFCET 01

## Depth of 20 °C Isotherm (m)



### **3.1.2 Cruise 2**

## PERSONNEL

### *GulfCet Cruise 02 Personnel*

#### Ship's Captain:

Chris Riffe, R/V *Pelican*

#### Chief Scientist:

Robert Benson TAMU GulfCet PI, Professor

#### Scientific Staff:

Giulietta Fargion	TAMUG, GulfCet PI, Research Associate Specialist
Jeff Norris	TAMU, Research Associate
Tom Jefferson	TAMU, Graduate Student
Logan Respass	TAMUG, Marine Technician
Andrew Schiro	TAMUG, Marine Technician
Troy Sparks	TAMU, Graduate Student
John Hausman	TAMU, Student
Dagmar Fertl	TAMU, Graduate Student
Shane Kanatous	TAMU, Graduate Student
Bill Stevens	TAMUG, Marine Technician
Lisa De Los Santos	TAMUG, Student
Adam Grundt	TAMUG, Intern

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respass	TAMUG, Marine Technician
Cheryl Schroeder	TAMUG, Student

#### Data Processing and Programming:

David Brandon	TAMUG, Programmer
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#### Report Writing and Quality Assurance:

Giulietta Fargion	TAMUG, GulfCet PI, Research Associate Specialist
Cheryl Schroeder	TAMUG, Student

**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

-DATA SUMMARY TABLES

**Cruise:** GULFCET 02      **Station:** 02-012      **Probe Type:** T-7  
**Latitude:** 26° 41.10' N      **Longitude:** 95° 30.00' W      **Date:** 23-Aug-1992      **Time:** 202

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.44	310.00	13.96	610.00	8.17
20.00	29.45	320.00	13.74	620.00	8.05
30.00	29.44	330.00	13.49	630.00	7.94
40.00	27.84	340.00	13.22	640.00	7.78
50.00	26.14	350.00	13.07	650.00	7.72
60.00	24.94	360.00	12.76	660.00	7.54
70.00	24.12	370.00	12.56	670.00	7.41
80.00	23.57	380.00	12.35	680.00	7.30
90.00	23.18	390.00	12.11	690.00	7.17
100.00	22.90	400.00	11.80	700.00	7.05
110.00	22.60	410.00	11.56	710.00	6.94
120.00	22.19	420.00	11.28	720.00	6.88
130.00	21.73	430.00	10.98	730.00	6.77
140.00	21.03	440.00	10.66	740.00	6.67
150.00	20.50	450.00	10.46	750.00	6.61
160.00	20.03	460.00	10.32	760.00	6.56
170.00	19.67	470.00	10.20		
180.00	19.06	480.00	10.01		
190.00	18.67	490.00	9.92		
200.00	18.14	500.00	9.75		
210.00	17.65	510.00	9.56		
220.00	17.00	520.00	9.38		
230.00	16.59	530.00	9.19		
240.00	16.19	540.00	9.07		
250.00	15.73	550.00	8.97		
260.00	15.38	560.00	8.83		
270.00	15.11	570.00	8.68		
280.00	14.72	580.00	8.48		
290.00	14.48	590.00	8.41		
300.00	14.19	600.00	8.29		

**Cruise:** GULFCET 02      **Station:** 02-014      **Probe Type:** T-7  
**Latitude:** 27° 23.01' N      **Longitude:** 95° 29.96' W      **Date:** 22-Aug-1992      **Time:** 1755

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.54	310.00	12.96	610.00	7.55
20.00	29.44	320.00	12.62	620.00	7.45
30.00	29.42	330.00	12.36	630.00	7.38
40.00	26.94	340.00	11.97	640.00	7.24
50.00	25.07	350.00	11.80	650.00	7.14
60.00	24.06	360.00	11.63	660.00	7.11
70.00	23.48	370.00	11.42	670.00	7.10
80.00	22.92	380.00	11.13	680.00	6.99
90.00	22.42	390.00	10.96	690.00	6.83
100.00	21.84	400.00	10.72	700.00	6.78
110.00	21.16	410.00	10.64	710.00	6.67
120.00	20.67	420.00	10.43	720.00	6.57
130.00	20.78	430.00	10.30	730.00	6.38
140.00	20.22	440.00	10.10	740.00	6.26
150.00	19.53	450.00	9.82	750.00	6.13
160.00	18.95	460.00	9.67	760.00	6.09
170.00	18.44	470.00	9.59		
180.00	17.96	480.00	9.51		
190.00	17.24	490.00	9.31		
200.00	16.70	500.00	9.09		
210.00	16.32	510.00	8.94		
220.00	15.84	520.00	8.87		
230.00	15.54	530.00	8.75		
240.00	15.18	540.00	8.45		
250.00	14.93	550.00	8.19		
260.00	14.58	560.00	8.14		
270.00	14.23	570.00	7.97		
280.00	13.88	580.00	7.83		
290.00	13.43	590.00	7.76		
300.00	13.14	600.00	7.62		

**Cruise:** GULFCET 02      **Station:** 02-016      **Probe Type:** T-7  
**Latitude:** 27° 28.00' N      **Longitude:** 95° 29.98' W      **Date:** 22-Aug-1992      **Time:** 1613

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.35	310.00	12.24	610.00	7.06
20.00	29.28	320.00	12.01	620.00	6.68
30.00	29.27	330.00	11.80	630.00	6.62
40.00	25.99	340.00	11.61	640.00	6.60
50.00	24.48	350.00	11.40	650.00	6.55
60.00	23.52	360.00	11.16	660.00	6.49
70.00	22.98	370.00	10.91	670.00	6.47
80.00	22.38	380.00	10.66	680.00	6.45
90.00	21.89	390.00	10.40	690.00	6.45
100.00	21.36	400.00	10.20	700.00	6.43
110.00	20.62	410.00	10.06	710.00	6.41
120.00	20.24	420.00	9.90	720.00	6.36
130.00	19.44	430.00	9.72	730.00	6.30
140.00	19.02	440.00	9.64	740.00	5.90
150.00	18.68	450.00	9.45		
160.00	18.17	460.00	9.29		
170.00	17.53	470.00	9.12		
180.00	17.00	480.00	8.97		
190.00	16.36	490.00	8.76		
200.00	15.98	500.00	8.68		
210.00	15.70	510.00	8.54		
220.00	15.18	520.00	8.36		
230.00	14.88	530.00	8.20		
240.00	14.47	540.00	8.04		
250.00	14.09	550.00	7.88		
260.00	13.78	560.00	7.71		
270.00	13.43	570.00	7.53		
280.00	13.08	580.00	7.53		
290.00	12.74	590.00	7.19		
300.00	12.41	600.00	7.09		

**Cruise:** GULFCET 02      **Station:** 02-017      **Probe Type:** T-7  
**Latitude:** 27° 36.50' N      **Longitude:** 95° 30.00' W      **Date:** 22-Aug-1992      **Time:** 1453

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.94	310.00	11.78
20.00	28.85	320.00	11.62
30.00	28.21	330.00	11.37
40.00	24.55	340.00	11.16
50.00	23.30	350.00	10.94
60.00	22.72	360.00	10.87
70.00	22.25	370.00	10.72
80.00	21.68	380.00	10.42
90.00	21.00	390.00	10.12
100.00	19.94	400.00	9.75
110.00	19.69	410.00	9.65
120.00	19.17	420.00	9.52
130.00	18.81	430.00	9.40
140.00	18.24	440.00	9.20
150.00	17.72	450.00	9.02
160.00	17.21	460.00	8.92
170.00	16.79	470.00	8.79
180.00	16.28	480.00	8.55
190.00	15.85	490.00	8.41
200.00	15.44		
210.00	14.88		
220.00	14.48		
230.00	14.13		
240.00	13.81		
250.00	13.58		
260.00	13.20		
270.00	12.89		
280.00	12.62		
290.00	12.22		
300.00	12.02		

Cruise: GULFCET 02  
Latitude: 27° 41.48' N

Station: 02-018  
Longitude: 95° 29.92' W

Probe Type: T-7  
Date: 22-Aug-1992

Time: 1352

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.04	310.00	11.17
20.00	28.10	320.00	10.83
30.00	25.64	330.00	10.59
40.00	24.04	340.00	10.28
50.00	23.07	350.00	10.08
60.00	22.44	360.00	9.89
70.00	21.67	370.00	9.80
80.00	20.68		
90.00	20.00		
100.00	19.71		
110.00	19.15		
120.00	18.64		
130.00	18.03		
140.00	17.71		
150.00	17.29		
160.00	16.73		
170.00	16.09		
180.00	15.66		
190.00	15.34		
200.00	14.99		
210.00	14.46		
220.00	14.09		
230.00	13.55		
240.00	13.27		
250.00	12.84		
260.00	12.53		
270.00	12.36		
280.00	12.16		
290.00	11.74		
300.00	11.57		

Cruise: GULFCET 02  
Latitude: 27° 42.05' N

Station: 02-019  
Longitude: 95° 29.95' W

Probe Type: T-10  
Date: 22-Aug-1992

Time: 1347

Depth (m)	Temp. (°C)
10.00	27.99
20.00	27.86
30.00	24.99
40.00	23.67
50.00	22.96
60.00	22.53
70.00	21.84
80.00	20.71
90.00	20.00
100.00	19.67
110.00	19.15
120.00	18.52
130.00	18.23
140.00	17.70
150.00	17.12
160.00	16.72
170.00	16.19
180.00	15.70
190.00	15.43
200.00	15.08



**Cruise:** GULFCET 02      **Station:** 02-EX4      **Probe Type:** T-7      **Time:** 1949  
**Latitude:** 27° 11.43' N      **Longitude:** 95° 29.99' W      **Date:** 22-Aug-1992

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.38	310.00	13.72	610.00	8.07
20.00	29.29	320.00	13.62	620.00	7.95
30.00	29.27	330.00	13.39	630.00	7.87
40.00	27.68	340.00	13.01	640.00	7.77
50.00	25.67	350.00	12.64	650.00	7.70
60.00	24.90	360.00	12.33	660.00	7.59
70.00	23.77	370.00	11.93	670.00	7.46
80.00	23.15	380.00	11.81	680.00	7.40
90.00	22.78	390.00	11.56	690.00	7.29
100.00	22.39	400.00	11.29	700.00	7.21
110.00	21.64	410.00	11.19	710.00	7.10
120.00	20.98	420.00	10.99	720.00	7.05
130.00	20.53	430.00	10.83	730.00	6.99
140.00	20.45	440.00	10.64	740.00	6.91
150.00	20.47	450.00	10.45	750.00	6.77
160.00	19.66	460.00	10.34	760.00	6.71
170.00	19.03	470.00	10.18		
180.00	18.20	480.00	10.03		
190.00	17.82	490.00	9.84		
200.00	17.32	500.00	9.63		
210.00	16.61	510.00	9.43		
220.00	16.30	520.00	9.32		
230.00	15.86	530.00	9.16		
240.00	15.67	540.00	9.05		
250.00	15.26	550.00	8.88		
260.00	14.77	560.00	8.74		
270.00	14.23	570.00	8.61		
280.00	14.04	580.00	8.42		
290.00	13.95	590.00	8.24		
300.00	13.87	600.00	8.15		

**Cruise:** GULFCET 02      **Station:** 03-022      **Probe Type:** T-10      **Time:** 619  
**Latitude:** 27° 51.48' N      **Longitude:** 94° 49.95' W      **Date:** 22-Aug-1992

Depth (m)	Temp. (°C)
10.00	28.29
20.00	27.77
30.00	23.87
40.00	22.13
50.00	21.51
60.00	20.27
70.00	19.26
80.00	18.39
90.00	17.96
100.00	17.68
110.00	17.56
120.00	17.24
130.00	16.90
140.00	16.45
150.00	16.12
160.00	15.50
170.00	15.36
180.00	15.31
190.00	15.25
200.00	14.90

**Cruise:** GULFCET 02      **Station:** 03-023      **Probe Type:** T-7  
**Latitude:** 27° 46.90' N      **Longitude:** 94° 49.98' W      **Date:** 22-Aug-1992      **Time:** 558

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.22	310.00	11.15
20.00	26.42	320.00	11.05
30.00	23.73	330.00	10.89
40.00	21.93	340.00	10.56
50.00	20.51	350.00	10.42
60.00	19.86	360.00	10.34
70.00	19.12		
80.00	18.47		
90.00	18.09		
100.00	17.79		
110.00	17.30		
120.00	16.90		
130.00	16.61		
140.00	16.43		
150.00	16.06		
160.00	15.76		
170.00	15.42		
180.00	15.13		
190.00	14.79		
200.00	14.54		
210.00	14.21		
220.00	13.93		
230.00	13.58		
240.00	13.26		
250.00	12.86		
260.00	12.67		
270.00	12.28		
280.00	11.90		
290.00	11.50		
300.00	11.31		

**Cruise:** GULFCET 02      **Station:** 03-024      **Probe Type:** T-7  
**Latitude:** 27° 42.00' N      **Longitude:** 94° 50.00' W      **Date:** 22-Aug-1992      **Time:** 500

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.46	310.00	11.70
20.00	28.33	320.00	11.32
30.00	23.41	330.00	11.05
40.00	22.05	340.00	10.87
50.00	21.08	350.00	10.76
60.00	20.09	360.00	10.52
70.00	19.20	370.00	10.10
80.00	18.74	380.00	9.71
90.00	18.60	390.00	9.66
100.00	18.14	400.00	9.39
110.00	17.74	410.00	9.21
120.00	17.10	420.00	8.97
130.00	16.76	430.00	8.92
140.00	16.30	440.00	8.88
150.00	15.87	450.00	8.79
160.00	15.64	460.00	8.69
170.00	15.31	470.00	8.49
180.00	14.95	480.00	8.34
190.00	14.61		
200.00	14.41		
210.00	14.19		
220.00	13.85		
230.00	13.61		
240.00	13.36		
250.00	13.10		
260.00	12.83		
270.00	12.65		
280.00	12.33		
290.00	12.06		
300.00	11.90		

Cruise: GULFCET 02      Station: 03-025      Probe Type: T-7  
 Latitude: 27° 33.92' N      Longitude: 94° 50.08' W      Date: 22-Aug-1992      Time: 351

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.19	310.00	11.79	610.00	6.97
20.00	27.77	320.00	11.52	620.00	6.83
30.00	24.48	330.00	11.34	630.00	6.74
40.00	22.93	340.00	11.24	640.00	6.65
50.00	21.84	350.00	11.03	650.00	6.58
60.00	21.04	360.00	10.89	660.00	6.54
70.00	20.44	370.00	10.54	670.00	6.49
80.00	19.81	380.00	10.42	680.00	6.47
90.00	19.51	390.00	10.36	690.00	6.43
100.00	19.14	400.00	10.20	700.00	6.39
110.00	18.51	410.00	10.03	710.00	6.36
120.00	18.09	420.00	9.84	720.00	6.30
130.00	17.59	430.00	9.64	730.00	6.21
140.00	17.11	440.00	9.51	740.00	6.21
150.00	16.62	450.00	9.33	750.00	6.09
160.00	16.31	460.00	9.13	760.00	6.08
170.00	15.94	470.00	8.91		
180.00	15.43	480.00	8.72		
190.00	15.00	490.00	8.61		
200.00	14.63	500.00	8.41		
210.00	14.33	510.00	8.24		
220.00	14.04	520.00	8.16		
230.00	13.72	530.00	8.02		
240.00	13.47	540.00	7.85		
250.00	13.19	550.00	7.67		
260.00	13.06	560.00	7.65		
270.00	12.77	570.00	7.54		
280.00	12.62	580.00	7.34		
290.00	12.38	590.00	7.16		
300.00	12.15	600.00	7.05		

Cruise: GULFCET 02      Station: 03-027      Probe Type: T-7  
 Latitude: 27° 22.91' N      Longitude: 94° 50.01' W      Date: 22-Aug-1992      Time: 111

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.19	310.00	12.58
20.00	29.19	320.00	12.29
30.00	29.18	330.00	11.92
40.00	26.20	340.00	11.74
50.00	24.81	350.00	11.58
60.00	23.65	360.00	11.30
70.00	23.04	370.00	10.99
80.00	22.53	380.00	10.87
90.00	21.98	390.00	10.67
100.00	21.13	400.00	10.57
110.00	20.37	410.00	10.30
120.00	19.89	420.00	10.07
130.00	19.20	430.00	9.92
140.00	18.76	440.00	9.73
150.00	18.50	450.00	9.64
160.00	18.23	460.00	9.54
170.00	17.64	470.00	9.33
180.00	16.96	480.00	9.08
190.00	16.47	490.00	9.01
200.00	15.93	500.00	8.87
210.00	15.47	510.00	8.67
220.00	15.15	520.00	8.51
230.00	14.82	530.00	8.45
240.00	14.54	540.00	8.31
250.00	14.22	550.00	8.14
260.00	13.85	560.00	8.07
270.00	13.62	570.00	7.88
280.00	13.33	580.00	7.73
290.00	13.09		
300.00	12.77		

Cruise: GULFCET 02      Station: 03-028      Probe Type: T-7  
 Latitude: 27° 3.48' N      Longitude: 94° 49.98' W      Date: 21-Aug-1992      Time: 2218

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.00	310.00	13.62	610.00	7.65
20.00	28.95	320.00	13.35	620.00	7.52
30.00	29.08	330.00	12.93	630.00	7.38
40.00	27.60	340.00	12.65	640.00	7.30
50.00	25.52	350.00	12.49	650.00	7.16
60.00	24.45	360.00	12.13	660.00	7.00
70.00	23.69	370.00	11.78	670.00	6.93
80.00	23.31	380.00	11.57	680.00	6.82
90.00	22.95	390.00	11.23	690.00	6.71
100.00	22.77	400.00	10.94	700.00	6.61
110.00	22.58	410.00	10.69	710.00	6.50
120.00	22.04	420.00	10.47	720.00	6.43
130.00	21.20	430.00	10.25	730.00	6.36
140.00	20.70	440.00	10.10	740.00	6.29
150.00	20.45	450.00	10.01	750.00	6.21
160.00	20.27	460.00	9.84	760.00	6.17
170.00	19.84	470.00	9.69		
180.00	19.00	480.00	9.56		
190.00	18.28	490.00	9.41		
200.00	18.01	500.00	9.31		
210.00	17.30	510.00	9.19		
220.00	16.72	520.00	8.98		
230.00	16.29	530.00	8.84		
240.00	15.96	540.00	8.72		
250.00	15.59	550.00	8.52		
260.00	15.21	560.00	8.34		
270.00	14.88	570.00	8.26		
280.00	14.50	580.00	8.12		
290.00	14.19	590.00	7.99		
300.00	13.90	600.00	7.83		

Cruise: GULFCET 02      Station: 04-032      Probe Type: T-7  
 Latitude: 26° 37.07' N      Longitude: 94° 9.98' W      Date: 21-Aug-1992      Time: 517

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.77	310.00	12.34	610.00	7.06
20.00	28.77	320.00	12.03	620.00	6.91
30.00	28.77	330.00	11.74	630.00	6.81
40.00	26.23	340.00	11.43	640.00	6.71
50.00	24.66	350.00	11.14	650.00	6.65
60.00	23.67	360.00	10.92	660.00	6.52
70.00	23.17	370.00	10.79	670.00	6.44
80.00	22.70	380.00	10.60	680.00	6.41
90.00	22.44	390.00	10.45	690.00	6.31
100.00	21.56	400.00	10.34	700.00	6.24
110.00	20.89	410.00	10.23	710.00	6.16
120.00	19.87	420.00	10.07	720.00	6.09
130.00	19.03	430.00	9.85	730.00	6.03
140.00	18.31	440.00	9.71	740.00	5.93
150.00	17.89	450.00	9.52	750.00	5.86
160.00	17.54	460.00	9.36	760.00	5.80
170.00	17.02	470.00	9.26		
180.00	16.66	480.00	9.18		
190.00	16.32	490.00	9.04		
200.00	15.98	500.00	8.84		
210.00	15.53	510.00	8.70		
220.00	15.20	520.00	8.52		
230.00	14.76	530.00	8.40		
240.00	14.43	540.00	8.29		
250.00	14.17	550.00	8.14		
260.00	13.94	560.00	7.92		
270.00	13.59	570.00	7.78		
280.00	13.30	580.00	7.60		
290.00	13.08	590.00	7.45		
300.00	12.71	600.00	7.25		

Cruise: GULFCET 02      Station: 04-037      Probe Type: T-7  
 Latitude: 27° 30.02' N      Longitude: 94° 10.04' W      Date: 20-Aug-1992      Time: 1909

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.78	310.00	11.05	610.00	6.70
20.00	28.84	320.00	10.93	620.00	6.51
30.00	26.58	330.00	10.85	630.00	6.42
40.00	24.06	340.00	10.70	640.00	6.32
50.00	22.90	350.00	10.53	650.00	6.28
60.00	21.98	360.00	10.33	660.00	6.24
70.00	20.20	370.00	10.14	670.00	6.22
80.00	19.29	380.00	9.93	680.00	6.22
90.00	18.08	390.00	9.68	690.00	6.21
100.00	17.61	400.00	9.59	700.00	6.20
110.00	17.05	410.00	9.41	710.00	6.07
120.00	16.49	420.00	9.20	720.00	5.99
130.00	16.11	430.00	9.06	730.00	5.96
140.00	15.62	440.00	8.89	740.00	5.95
150.00	15.31	450.00	8.73	750.00	5.94
160.00	14.95	460.00	8.55	760.00	5.87
170.00	14.61	470.00	8.48		
180.00	14.27	480.00	8.33		
190.00	13.98	490.00	8.25		
200.00	13.64	500.00	8.22		
210.00	13.48	510.00	8.11		
220.00	13.27	520.00	7.95		
230.00	12.94	530.00	7.83		
240.00	12.73	540.00	7.67		
250.00	12.44	550.00	7.54		
260.00	12.18	560.00	7.43		
270.00	11.93	570.00	7.25		
280.00	11.73	580.00	7.07		
290.00	11.48	590.00	6.82		
300.00	11.28	600.00	6.78		

Cruise: GULFCET 02      Station: 04-038      Probe Type: T-7  
 Latitude: 27° 38.12' N      Longitude: 94° 9.94' W      Date: 20-Aug-1992      Time: 1728

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.94	310.00	10.88	610.00	6.68
20.00	28.81	320.00	10.68	620.00	6.60
30.00	25.17	330.00	10.49	630.00	6.50
40.00	23.73	340.00	10.35	640.00	6.43
50.00	22.72	350.00	10.18	650.00	6.37
60.00	20.59	360.00	10.05	660.00	6.31
70.00	19.86	370.00	9.88	670.00	6.27
80.00	19.52	380.00	9.76	680.00	6.23
90.00	18.87	390.00	9.62	690.00	6.21
100.00	18.22	400.00	9.40	700.00	6.19
110.00	17.63	410.00	9.25	710.00	6.13
120.00	17.20	420.00	9.20	720.00	6.09
130.00	16.55	430.00	9.01		
140.00	16.03	440.00	8.82		
150.00	15.69	450.00	8.76		
160.00	15.31	460.00	8.60		
170.00	14.90	470.00	8.40		
180.00	14.69	480.00	8.25		
190.00	14.19	490.00	8.15		
200.00	13.81	500.00	8.07		
210.00	13.44	510.00	7.96		
220.00	13.18	520.00	7.83		
230.00	12.91	530.00	7.72		
240.00	12.66	540.00	7.57		
250.00	12.39	550.00	7.41		
260.00	12.12	560.00	7.28		
270.00	11.85	570.00	7.13		
280.00	11.60	580.00	6.98		
290.00	11.27	590.00	6.88		
300.00	11.08	600.00	6.76		

Cruise: GULFCET 02  
Latitude: 27° 41.02' N

Station: 04-039  
Longitude: 94° 10.02' W

Probe Type: T-7  
Date: 20-Aug-1992

Time: 1703

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.05	310.00	10.96
20.00	29.05	320.00	10.83
30.00	26.54	330.00	10.63
40.00	24.16	340.00	10.38
50.00	22.32	350.00	10.31
60.00	20.93	360.00	10.19
70.00	20.25	370.00	9.96
80.00	19.95	380.00	9.80
90.00	19.15	390.00	9.56
100.00	18.61	400.00	9.49
110.00	18.01	410.00	9.36
120.00	17.48	420.00	9.13
130.00	16.98	430.00	9.00
140.00	16.44	440.00	8.89
150.00	15.90	450.00	8.78
160.00	15.44	460.00	8.56
170.00	14.91	470.00	8.37
180.00	14.59	480.00	8.14
190.00	14.30	490.00	8.02
200.00	13.96	500.00	7.95
210.00	13.70	510.00	7.91
220.00	13.41	520.00	7.87
230.00	13.01	530.00	7.86
240.00	12.74	540.00	7.66
250.00	12.49		
260.00	12.24		
270.00	12.02		
280.00	11.82		
290.00	11.59		
300.00	11.11		

Cruise: GULFCET 02  
Latitude: 27° 44.12' N

Station: 04-040  
Longitude: 94° 10.00' W

Probe Type: T-7  
Date: 20-Aug-1992

Time: 1637

Depth (m)	Temp. (°C)
10.00	28.94
20.00	29.05
30.00	27.90
40.00	24.32
50.00	21.92
60.00	20.75
70.00	19.96
80.00	19.53
90.00	19.26
100.00	18.88
110.00	18.30
120.00	17.63
130.00	17.00
140.00	16.49
150.00	16.09
160.00	15.58
170.00	15.31
180.00	14.84
190.00	14.40
200.00	14.08
210.00	13.71
220.00	13.19
230.00	12.96
240.00	12.79
250.00	12.46
260.00	12.30
270.00	12.01
280.00	11.83
290.00	11.60

**Cruise:** GULFCET 02      **Station:** 04-041      **Probe Type:** T-10  
**Latitude:** 27° 49.56' N      **Longitude:** 94° 10.01' W      **Date:** 20-Aug-1992      **Time:** 1552

Depth (m)	Temp. (°C)
10.00	29.14
20.00	29.13
30.00	26.89
40.00	23.82
50.00	21.67
60.00	20.74
70.00	19.97
80.00	19.68
90.00	19.37
100.00	19.06
110.00	17.90
120.00	17.25
130.00	16.79
140.00	16.41
150.00	16.20
160.00	15.90
170.00	15.34
180.00	15.08

**Cruise:** GULFCET 02      **Station:** 04-EX2      **Probe Type:** XBT  
**Latitude:** 27° 29.08' N      **Longitude:** 94° 9.10' W      **Date:** 22-Aug-1992      **Time:** 1949

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	28.66	200.00	13.65	400.00	9.51	600.00	6.85
20.00	28.74	210.00	13.44	410.00	9.37	610.00	6.68
30.00	26.00	220.00	13.06	420.00	9.12	620.00	6.52
40.00	23.85	230.00	12.83	430.00	8.98	630.00	6.29
50.00	22.75	240.00	12.54	440.00	8.84	640.00	6.23
60.00	21.84	250.00	12.35	450.00	8.72	650.00	6.20
70.00	19.69	260.00	12.07	460.00	8.60	660.00	6.18
80.00	18.99	270.00	11.87	470.00	8.45	670.00	6.11
90.00	17.92	280.00	11.69	480.00	8.29	680.00	6.10
100.00	17.46	290.00	11.45	490.00	8.19	690.00	6.09
110.00	16.83	300.00	11.28	500.00	8.05	700.00	6.06
120.00	16.36	310.00	11.11	510.00	7.91	710.00	6.02
130.00	16.04	320.00	10.93	520.00	7.82	720.00	5.94
140.00	15.53	330.00	10.82	530.00	7.73	730.00	5.92
150.00	15.07	340.00	10.65	540.00	7.58	740.00	5.87
160.00	14.71	350.00	10.48	550.00	7.49	750.00	5.85
170.00	14.44	360.00	10.28	560.00	7.42	760.00	5.84
180.00	14.23	370.00	10.05	570.00	7.24		
190.00	13.94	380.00	9.84	580.00	6.99		
		390.00	9.75	590.00	6.94		

**Cruise:** GULFCET 02      **Station:** 05-044      **Probe Type:** T-10  
**Latitude:** 27° 49.35' N      **Longitude:** 93° 30.50' W      **Date:** 20-Aug-1992      **Time:** 2008

Depth (m)	Temp. (°C)
10.00	29.37
20.00	29.83
30.00	29.56
40.00	27.42
50.00	24.56
60.00	21.84
70.00	20.76
80.00	19.61
90.00	18.88
100.00	18.58
110.00	18.08
120.00	17.63
130.00	17.05
140.00	16.83
150.00	16.64
160.00	16.18
170.00	15.87
180.00	15.49
190.00	14.82

Cruise: GULFCET 02      Station: 05-045      Probe Type: T-7  
 Latitude: 27° 34.93' N      Longitude: 93° 29.98' W      Date: 20-Aug-1992      Time: 625

Depth (m)	Temp. (°C)
10.00	29.37
20.00	29.39
30.00	28.49
40.00	24.44
50.00	22.07
60.00	20.93
70.00	20.38
80.00	19.68
90.00	18.85
100.00	18.35
110.00	17.67
120.00	17.17
130.00	16.55
140.00	15.85
150.00	15.49
160.00	15.23
170.00	14.84
180.00	14.56
190.00	14.45
200.00	14.30
210.00	13.92
220.00	13.61
230.00	13.44
240.00	13.10
250.00	12.85
260.00	12.64
270.00	12.44
280.00	12.05
290.00	11.91
300.00	11.80

Cruise: GULFCET 02      Station: 05-046      Probe Type: T-7  
 Latitude: 27° 32.99' N      Longitude: 93° 29.96' W      Date: 20-Aug-1992      Time: 606

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.20	310.00	10.82
20.00	29.57	320.00	10.66
30.00	28.28	330.00	10.50
40.00	24.68	340.00	10.36
50.00	22.30	350.00	10.19
60.00	21.25	360.00	10.08
70.00	20.85	370.00	9.94
80.00	19.91	380.00	9.73
90.00	19.27	390.00	9.58
100.00	18.12	400.00	9.52
110.00	17.70	410.00	9.28
120.00	16.95	420.00	9.16
130.00	16.57	430.00	9.10
140.00	16.22	440.00	8.89
150.00	15.93		
160.00	15.47		
170.00	15.12		
180.00	14.69		
190.00	14.31		
200.00	14.12		
210.00	14.00		
220.00	13.46		
230.00	13.12		
240.00	12.91		
250.00	12.71		
260.00	12.45		
270.00	12.16		
280.00	11.85		
290.00	11.39		
300.00	10.97		



Cruise: GULFCET 02      Station: 05-049      Probe Type: T-7  
 Latitude: 27° 5.96' N      Longitude: 93° 30.02' W      Date: 20-Aug-1992      Time: 23

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.38	310.00	10.39	610.00	6.22
20.00	29.42	320.00	10.23	620.00	6.14
30.00	27.56	330.00	10.05	630.00	6.08
40.00	24.63	340.00	9.91	640.00	6.06
50.00	23.34	350.00	9.74	650.00	6.04
60.00	22.16	360.00	9.60	660.00	5.95
70.00	20.77	370.00	9.48	670.00	5.90
80.00	19.73	380.00	9.35	680.00	5.76
90.00	18.67	390.00	9.18	690.00	5.71
100.00	17.83	400.00	8.99	700.00	5.64
110.00	17.22	410.00	8.86	710.00	5.59
120.00	16.31	420.00	8.68	720.00	5.57
130.00	15.87	430.00	8.49	730.00	5.54
140.00	15.31	440.00	8.33	740.00	5.51
150.00	14.75	450.00	8.12	750.00	5.51
160.00	14.32	460.00	7.93	760.00	5.48
170.00	13.83	470.00	7.77		
180.00	13.58	480.00	7.60		
190.00	13.18	490.00	7.34		
200.00	12.98	500.00	7.23		
210.00	12.73	510.00	7.10		
220.00	12.43	520.00	7.03		
230.00	12.10	530.00	6.87		
240.00	11.84	540.00	6.73		
250.00	11.58	550.00	6.63		
260.00	11.39	560.00	6.53		
270.00	11.23	570.00	6.47		
280.00	10.99	580.00	6.39		
290.00	10.80	590.00	6.33		
300.00	10.62	600.00	6.28		

Cruise: GULFCET 02      Station: 05-051      Probe Type: T-7  
 Latitude: 26° 43.15' N      Longitude: 93° 30.05' W      Date: 19-Aug-1992      Time: 1955

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.32	310.00	8.99	610.00	6.10
20.00	29.29	320.00	8.68	620.00	6.06
30.00	27.79	330.00	8.48	630.00	5.98
40.00	25.94	340.00	8.30	640.00	5.92
50.00	23.80	350.00	8.11	650.00	5.86
60.00	22.12	360.00	7.94	660.00	5.83
70.00	21.15	370.00	7.79	670.00	5.75
80.00	20.38	380.00	7.67	680.00	5.68
90.00	19.99	390.00	7.57	690.00	5.66
100.00	19.48	400.00	7.50	700.00	5.62
110.00	18.81	410.00	7.45	710.00	5.59
120.00	17.86	420.00	7.34	720.00	5.55
130.00	17.03	430.00	7.25	730.00	5.44
140.00	16.15	440.00	7.10	740.00	5.43
150.00	15.22	450.00	7.00	750.00	5.41
160.00	14.58	460.00	6.92	760.00	5.35
170.00	13.95	470.00	6.84		
180.00	13.53	480.00	6.76		
190.00	13.10	490.00	6.69		
200.00	12.70	500.00	6.64		
210.00	12.31	510.00	6.60		
220.00	11.87	520.00	6.52		
230.00	11.51	530.00	6.41		
240.00	11.19	540.00	6.33		
250.00	10.82	550.00	6.32		
260.00	10.44	560.00	6.28		
270.00	10.13	570.00	6.28		
280.00	9.73	580.00	6.24		
290.00	9.45	590.00	6.20		
300.00	9.14	600.00	6.11		

Cruise: GULFCET 02      Station: 06-056      Probe Type: T-7  
 Latitude: 26° 52.04' N      Longitude: 92° 50.01' W      Date: 18-Aug-1992      Time: 2312

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.35	310.00	11.30	610.00	6.88
20.00	29.82	320.00	11.19	620.00	6.83
30.00	27.70	330.00	10.95	630.00	6.78
40.00	24.88	340.00	10.66	640.00	6.64
50.00	23.02	350.00	10.43	650.00	6.56
60.00	21.68	360.00	10.20	660.00	6.45
70.00	20.60	370.00	10.02	670.00	6.39
80.00	19.81	380.00	9.89	680.00	6.31
90.00	18.98	390.00	9.77	690.00	6.22
100.00	18.48	400.00	9.59	700.00	6.16
110.00	17.90	410.00	9.41	710.00	6.12
120.00	17.23	420.00	9.24	720.00	6.02
130.00	16.71	430.00	9.10	730.00	5.99
140.00	16.19	440.00	8.94	740.00	5.90
150.00	15.78	450.00	8.80	750.00	5.86
160.00	15.41	460.00	8.59	760.00	5.81
170.00	15.18	470.00	8.39		
180.00	14.78	480.00	8.28		
190.00	14.45	490.00	8.17		
200.00	14.15	500.00	8.07		
210.00	13.79	510.00	7.98		
220.00	13.52	520.00	7.89		
230.00	13.31	530.00	7.75		
240.00	12.89	540.00	7.63		
250.00	12.66	550.00	7.54		
260.00	12.44	560.00	7.44		
270.00	12.16	570.00	7.33		
280.00	11.97	580.00	7.23		
290.00	11.73	590.00	7.10		
300.00	11.46	600.00	7.02		

Cruise: GULFCET 02      Station: 06-058      Probe Type: T-7  
 Latitude: 27° 18.74' N      Longitude: 92° 50.00' W      Date: 18-Aug-1992      Time: 1854

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.28	310.00	10.82	610.00	6.73
20.00	29.25	320.00	10.66	620.00	6.64
30.00	25.59	330.00	10.47	630.00	6.57
40.00	23.56	340.00	10.29	640.00	6.44
50.00	22.38	350.00	10.12	650.00	6.38
60.00	21.01	360.00	9.88	660.00	6.29
70.00	20.21	370.00	9.73	670.00	6.23
80.00	19.80	380.00	9.58	680.00	6.22
90.00	18.90	390.00	9.48	690.00	6.17
100.00	18.28	400.00	9.41	700.00	6.07
110.00	17.89	410.00	9.22	710.00	5.98
120.00	17.30	420.00	9.08	720.00	5.93
130.00	16.82	430.00	8.91	730.00	5.84
140.00	16.50	440.00	8.79	740.00	5.80
150.00	16.06	450.00	8.65	750.00	5.74
160.00	15.56	460.00	8.54	760.00	5.70
170.00	15.13	470.00	8.42		
180.00	14.68	480.00	8.26		
190.00	14.36	490.00	8.10		
200.00	13.97	500.00	7.87		
210.00	13.65	510.00	7.77		
220.00	13.31	520.00	7.61		
230.00	13.07	530.00	7.53		
240.00	12.78	540.00	7.46		
250.00	12.46	550.00	7.39		
260.00	12.19	560.00	7.34		
270.00	11.87	570.00	7.27		
280.00	11.50	580.00	7.12		
290.00	11.14	590.00	6.91		
300.00	10.96	600.00	6.81		

Cruise: GULFCET 02      Station: 06-060      Probe Type: T-7  
 Latitude: 27° 34.56' N      Longitude: 92° 49.98' W      Date: 18-Aug-1992      Time: 1555

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.23	310.00	10.79	610.00	6.85
20.00	28.73	320.00	10.56	620.00	6.79
30.00	25.13	330.00	10.44	630.00	6.64
40.00	23.65	340.00	10.23	640.00	6.53
50.00	22.28	350.00	10.12	650.00	6.47
60.00	20.30	360.00	9.96	660.00	6.36
70.00	19.59	370.00	9.72		
80.00	19.00	380.00	9.57		
90.00	18.26	390.00	9.48		
100.00	17.77	400.00	9.29		
110.00	17.35	410.00	9.13		
120.00	16.91	420.00	8.98		
130.00	16.50	430.00	8.85		
140.00	16.06	440.00	8.70		
150.00	15.55	450.00	8.58		
160.00	14.95	460.00	8.45		
170.00	14.46	470.00	8.32		
180.00	14.12	480.00	8.18		
190.00	13.95	490.00	8.09		
200.00	13.70	500.00	7.94		
210.00	13.41	510.00	7.87		
220.00	13.17	520.00	7.73		
230.00	12.87	530.00	7.58		
240.00	12.51	540.00	7.46		
250.00	12.20	550.00	7.30		
260.00	12.02	560.00	7.22		
270.00	11.84	570.00	7.05		
280.00	11.54	580.00	7.03		
290.00	11.37	590.00	6.93		
300.00	11.09	600.00	6.88		

Cruise: GULFCET 02      Station: 06-062      Probe Type: T-7  
 Latitude: 27° 42.98' N      Longitude: 92° 49.95' W      Date: 18-Aug-1992      Time: 1358

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.20	310.00	11.18
20.00	28.94	320.00	10.98
30.00	25.40	330.00	10.88
40.00	23.10		
50.00	22.42		
60.00	20.97		
70.00	20.37		
80.00	19.75		
90.00	18.61		
100.00	17.76		
110.00	17.34		
120.00	16.99		
130.00	16.59		
140.00	16.05		
150.00	15.58		
160.00	15.14		
170.00	14.74		
180.00	14.36		
190.00	14.10		
200.00	13.64		
210.00	13.39		
220.00	13.23		
230.00	12.99		
240.00	12.90		
250.00	12.50		
260.00	12.08		
270.00	12.00		
280.00	11.71		
290.00	11.49		
300.00	11.35		

**Cruise:** GULFCET 02  
**Latitude:** 27° 54.51' N

**Station:** 06-063  
**Longitude:** 92° 50.00' W

**Probe Type:** T-10  
**Date:** 18-Aug-1992

**Time:** 1204

Depth (m)	Temp. (°C)
10.00	29.24
20.00	29.19
30.00	28.06
40.00	24.75
50.00	22.27
60.00	21.02
70.00	20.13
80.00	19.68
90.00	19.17
100.00	18.53
110.00	18.06
120.00	17.31
130.00	16.97
140.00	16.77
150.00	16.26
160.00	16.04
170.00	15.74
180.00	15.15
190.00	14.96

**Cruise:** GULFCET 02  
**Latitude:** 26° 36.00' N

**Station:** 06-EX5  
**Longitude:** 92° 50.00' W

**Probe Type:** T-7  
**Date:** 19-Aug-1992

**Time:** 322

Depth (m)	Temp. (°C)
10.00	29.62
20.00	29.96
30.00	29.74
40.00	28.82
50.00	25.41
60.00	23.61
70.00	22.54
80.00	21.86
90.00	21.31
100.00	20.66
110.00	19.97
120.00	19.23
130.00	18.45
140.00	17.75
150.00	17.03
160.00	16.58
170.00	16.09
180.00	15.87
190.00	15.35
200.00	15.01

**Cruise:** GULFCET 02  
**Latitude:** 27° 52.98' N

**Station:** 07-066  
**Longitude:** 92° 9.89' W

**Probe Type:** T-10  
**Date:** 18-Aug-1992

**Time:** 449

Depth (m)	Temp. (°C)
10.00	29.34
20.00	29.33
30.00	27.49
40.00	24.54
50.00	23.29
60.00	21.70
70.00	20.54
80.00	19.78
90.00	19.09
100.00	18.59
110.00	17.99
120.00	17.83
130.00	17.36
140.00	16.87
150.00	16.41
160.00	15.93
170.00	15.56
180.00	15.20
190.00	14.92
200.00	14.66

**Cruise:** GULFCET 02  
**Latitude:** 27° 51.99' N

**Station:** 07-067  
**Longitude:** 92° 9.86' W

**Probe Type:** T-7  
**Date:** 18-Aug-1992

**Time:** 437

Depth (m)	Temp. (°C)
10.00	29.32
20.00	29.31
30.00	27.40
40.00	24.33
50.00	23.04
60.00	21.89
70.00	20.47
80.00	19.66
90.00	19.07
100.00	18.30
110.00	17.94
120.00	17.60
130.00	17.23
140.00	16.72
150.00	16.35
160.00	15.80
170.00	15.50
180.00	15.24
190.00	14.89
200.00	14.47
210.00	14.25
220.00	13.94
230.00	13.75
240.00	13.53
250.00	13.20
260.00	13.05
270.00	12.71
280.00	12.33
290.00	12.03

Cruise: GULFCET 02      Station: 07-068      Probe Type: T-7  
 Latitude: 27° 44.94' N      Longitude: 92° 10.07' W      Date: 18-Aug-1992      Time: 331

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.32	310.00	11.10
20.00	29.25	320.00	10.86
30.00	25.74	330.00	10.80
40.00	23.78	340.00	10.59
50.00	22.28	350.00	10.26
60.00	21.00	360.00	10.08
70.00	20.21	370.00	9.92
80.00	19.32	380.00	9.70
90.00	18.94	390.00	9.48
100.00	18.35	400.00	9.14
110.00	17.94	410.00	8.83
120.00	17.61	420.00	8.74
130.00	16.95	430.00	8.59
140.00	16.54	440.00	8.58
150.00	16.07	450.00	8.58
160.00	15.52	460.00	8.57
170.00	15.33	470.00	8.48
180.00	14.92	480.00	8.34
190.00	14.59	490.00	8.15
200.00	14.19		
210.00	13.91		
220.00	13.58		
230.00	13.30		
240.00	13.06		
250.00	12.69		
260.00	12.38		
270.00	12.19		
280.00	11.85		
290.00	11.48		
300.00	11.26		

Cruise: GULFCET 02      Station: 07-069      Probe Type: T-7  
 Latitude: 27° 37.04' N      Longitude: 92° 10.02' W      Date: 18-Aug-1992      Time: 216

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.28	310.00	11.46	610.00	6.73
20.00	29.10	320.00	11.22	620.00	6.62
30.00	25.47	330.00	10.93	630.00	6.58
40.00	24.12	340.00	10.74		
50.00	22.64	350.00	10.52		
60.00	21.16	360.00	10.24		
70.00	20.37	370.00	10.14		
80.00	19.41	380.00	9.91		
90.00	18.89	390.00	9.74		
100.00	18.33	400.00	9.48		
110.00	17.72	410.00	9.33		
120.00	17.24	420.00	9.19		
130.00	16.81	430.00	9.01		
140.00	16.48	440.00	8.83		
150.00	16.15	450.00	8.70		
160.00	15.92	460.00	8.57		
170.00	15.63	470.00	8.39		
180.00	15.28	480.00	8.29		
190.00	14.75	490.00	8.12		
200.00	14.27	500.00	8.02		
210.00	14.01	510.00	7.90		
220.00	13.71	520.00	7.84		
230.00	13.41	530.00	7.71		
240.00	13.15	540.00	7.58		
250.00	12.96	550.00	7.45		
260.00	12.84	560.00	7.31		
270.00	12.51	570.00	7.19		
280.00	12.18	580.00	7.07		
290.00	11.99	590.00	6.90		
300.00	11.74	600.00	6.86		

Cruise: GULFCET 02      Station: 07-070      Probe Type: T-7  
 Latitude: 27° 29.46' N      Longitude: 92° 9.98' W      Date: 18-Aug-1992      Time: 106

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.24	310.00	11.41	610.00	6.88
20.00	28.97	320.00	11.20	620.00	6.81
30.00	25.90	330.00	10.94	630.00	6.69
40.00	23.94	340.00	10.76	640.00	6.64
50.00	22.05	350.00	10.57	650.00	6.56
60.00	21.31	360.00	10.34	660.00	6.50
70.00	20.43	370.00	10.09	670.00	6.42
80.00	19.79	380.00	9.87	680.00	6.36
90.00	19.21	390.00	9.59	690.00	6.29
100.00	18.30	400.00	9.42	700.00	6.18
110.00	17.67	410.00	9.21	710.00	6.09
120.00	17.26	420.00	9.18	720.00	6.08
130.00	16.79	430.00	9.01	730.00	6.02
140.00	16.43	440.00	8.77	740.00	5.97
150.00	16.10	450.00	8.65	750.00	5.93
160.00	15.82	460.00	8.44	760.00	5.87
170.00	15.35	470.00	8.35		
180.00	15.01	480.00	8.23		
190.00	14.71	490.00	8.16		
200.00	14.46	500.00	8.10		
210.00	14.22	510.00	7.96		
220.00	13.89	520.00	7.86		
230.00	13.64	530.00	7.75		
240.00	13.33	540.00	7.67		
250.00	13.11	550.00	7.51		
260.00	12.87	560.00	7.36		
270.00	12.49	570.00	7.26		
280.00	12.16	580.00	7.17		
290.00	11.87	590.00	7.06		
300.00	11.66	600.00	6.98		

Cruise: GULFCET 02      Station: 07-072      Probe Type: T-7  
 Latitude: 27° 9.49' N      Longitude: 92° 10.05' W      Date: 17-Aug-1992      Time: 2054

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.66	310.00	11.73	610.00	7.06
20.00	29.61	320.00	11.53	620.00	6.95
30.00	29.12	330.00	11.38	630.00	6.84
40.00	25.73	340.00	11.16	640.00	6.79
50.00	24.34	350.00	10.99	650.00	6.71
60.00	22.76	360.00	10.71	660.00	6.62
70.00	21.94	370.00	10.54	670.00	6.55
80.00	20.69	380.00	10.37	680.00	6.45
90.00	20.04	390.00	10.22	690.00	6.37
100.00	19.25	400.00	9.99	700.00	6.31
110.00	18.61	410.00	9.83	710.00	6.23
120.00	18.23	420.00	9.69	720.00	6.18
130.00	17.85	430.00	9.51	730.00	6.10
140.00	17.40	440.00	9.34	740.00	6.00
150.00	16.88	450.00	9.19	750.00	5.96
160.00	16.35	460.00	8.97	760.00	5.90
170.00	15.92	470.00	8.77		
180.00	15.35	480.00	8.61		
190.00	14.93	490.00	8.50		
200.00	14.73	500.00	8.39		
210.00	14.40	510.00	8.25		
220.00	14.15	520.00	8.11		
230.00	13.94	530.00	7.97		
240.00	13.67	540.00	7.85		
250.00	13.30	550.00	7.75		
260.00	13.01	560.00	7.61		
270.00	12.83	570.00	7.52		
280.00	12.39	580.00	7.45		
290.00	12.13	590.00	7.29		
300.00	11.94	600.00	7.19		

Cruise: GULFCET 02      Station: 08-079      Probe Type: T-7  
 Latitude: 27° 23.05' N      Longitude: 91° 29.96' W      Date: 16-Aug-1992      Time: 2139

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.50	310.00	12.35	610.00	7.16
20.00	29.59	320.00	12.03	620.00	7.10
30.00	29.60	330.00	11.85	630.00	7.02
40.00	27.94	340.00	11.60	640.00	6.94
50.00	25.60	350.00	11.19	650.00	6.85
60.00	24.21	360.00	10.96	660.00	6.74
70.00	23.37	370.00	10.80	670.00	6.61
80.00	22.88	380.00	10.62	680.00	6.53
90.00	22.49	390.00	10.37	690.00	6.48
100.00	21.57	400.00	10.17	700.00	6.39
110.00	20.94	410.00	10.10	710.00	6.33
120.00	20.01	420.00	9.93	720.00	6.22
130.00	19.51	430.00	9.68	730.00	6.15
140.00	19.13	440.00	9.50	740.00	6.02
150.00	18.28	450.00	9.30	750.00	5.97
160.00	18.16	460.00	9.13	760.00	5.89
170.00	17.54	470.00	8.93		
180.00	16.90	480.00	8.85		
190.00	16.47	490.00	8.61		
200.00	16.07	500.00	8.42		
210.00	15.71	510.00	8.28		
220.00	15.20	520.00	8.14		
230.00	15.02	530.00	8.03		
240.00	14.41	540.00	7.93		
250.00	14.06	550.00	7.85		
260.00	13.84	560.00	7.79		
270.00	13.38	570.00	7.67		
280.00	13.06	580.00	7.48		
290.00	12.75	590.00	7.38		
300.00	12.59	600.00	7.31		

Cruise: GULFCET 02      Station: 08-081      Probe Type: T-7  
 Latitude: 27° 32.95' N      Longitude: 91° 29.98' W      Date: 16-Aug-1992      Time: 1849

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.61	310.00	12.01	610.00	6.96
20.00	29.61	320.00	11.77	620.00	6.88
30.00	29.53	330.00	11.53	630.00	6.80
40.00	27.04	340.00	11.29	640.00	6.76
50.00	25.00	350.00	11.07	650.00	6.61
60.00	23.81	360.00	10.78	660.00	6.45
70.00	22.24	370.00	10.58	670.00	6.34
80.00	20.98	380.00	10.34	680.00	6.27
90.00	20.52	390.00	10.11	690.00	6.20
100.00	20.15	400.00	9.88	700.00	6.13
110.00	19.83	410.00	9.66	710.00	6.07
120.00	19.46	420.00	9.49	720.00	5.99
130.00	18.94	430.00	9.30	730.00	5.92
140.00	18.48	440.00	9.11	740.00	5.88
150.00	18.05	450.00	8.99	750.00	5.84
160.00	17.62	460.00	8.81	760.00	5.78
170.00	17.15	470.00	8.69		
180.00	16.67	480.00	8.57		
190.00	16.40	490.00	8.43		
200.00	16.05	500.00	8.27		
210.00	15.63	510.00	8.16		
220.00	15.20	520.00	8.08		
230.00	14.89	530.00	7.99		
240.00	14.48	540.00	7.91		
250.00	14.13	550.00	7.69		
260.00	13.55	560.00	7.56		
270.00	13.33	570.00	7.41		
280.00	13.04	580.00	7.26		
290.00	12.68	590.00	7.17		
300.00	12.35	600.00	7.07		



Cruise: GULFCET 02  
Latitude: 27° 45.44' N

Station: 08-082  
Longitude: 91° 30.14' W

Probe Type: T-7  
Date: 16-Aug-1992

Time: 1644

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.67	310.00	11.82	610.00	6.71
20.00	30.09	320.00	11.74	620.00	6.63
30.00	28.06	330.00	11.41	630.00	6.59
40.00	24.87	340.00	11.17	640.00	6.57
50.00	23.30	350.00	10.92	650.00	6.48
60.00	22.28	360.00	10.63	660.00	6.45
70.00	21.41	370.00	10.60	670.00	6.45
80.00	20.78	380.00	10.03	680.00	6.37
90.00	20.55	390.00	9.56	690.00	6.35
100.00	19.96	400.00	9.15	700.00	6.25
110.00	19.31	410.00	8.88		
120.00	18.61	420.00	8.78		
130.00	18.26	430.00	8.58		
140.00	17.81	440.00	8.48		
150.00	17.20	450.00	8.38		
160.00	16.67	460.00	8.21		
170.00	16.17	470.00	8.05		
180.00	15.64	480.00	7.89		
190.00	15.18	490.00	7.82		
200.00	14.85	500.00	7.68		
210.00	14.50	510.00	7.58		
220.00	14.19	520.00	7.46		
230.00	13.88	530.00	7.29		
240.00	13.50	540.00	7.25		
250.00	13.15	550.00	7.19		
260.00	12.84	560.00	7.13		
270.00	12.59	570.00	7.06		
280.00	12.48	580.00	6.94		
290.00	12.26	590.00	6.83		
300.00	12.04	600.00	6.79		

Cruise: GULFCET 02  
Latitude: 27° 49.45' N

Station: 08-083  
Longitude: 91° 29.94' W

Probe Type: T-7  
Date: 16-Aug-1992

Time: 1559

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.75	310.00	11.34
20.00	29.89	320.00	10.99
30.00	27.01	330.00	10.65
40.00	24.62	340.00	10.48
50.00	22.80	350.00	10.31
60.00	21.92	360.00	10.06
70.00	21.07		
80.00	20.67		
90.00	19.98		
100.00	19.28		
110.00	18.54		
120.00	18.22		
130.00	17.89		
140.00	17.51		
150.00	17.18		
160.00	16.51		
170.00	16.11		
180.00	15.73		
190.00	15.48		
200.00	15.10		
210.00	14.74		
220.00	14.17		
230.00	13.72		
240.00	13.34		
250.00	13.22		
260.00	12.82		
270.00	12.38		
280.00	12.16		
290.00	12.06		
300.00	11.75		

**Cruise:** GULFCET 02  
**Latitude:** 27° 51.98' N

**Station:** 08-084  
**Longitude:** 91° 29.88' W

**Probe Type:** T-7  
**Date:** 16-Aug-1992

**Time:** 1535

Depth (m)	Temp. (°C)
10.00	29.54
20.00	29.08
30.00	26.93
40.00	24.38
50.00	22.58
60.00	21.60
70.00	21.03
80.00	20.24
90.00	19.37
100.00	18.56
110.00	17.96
120.00	17.58
130.00	17.30
140.00	16.90
150.00	16.78
160.00	16.43
170.00	16.19
180.00	15.86
190.00	15.53
200.00	14.85
210.00	14.35
220.00	14.04
230.00	13.42
240.00	13.34
250.00	13.12

**Cruise:** GULFCET 02  
**Latitude:** 27° 52.98' N

**Station:** 08-085  
**Longitude:** 91° 29.91' W

**Probe Type:** T-10  
**Date:** 16-Aug-1992

**Time:** 1521

Depth (m)	Temp. (°C)
10.00	29.52
20.00	29.71
30.00	27.46
40.00	24.74
50.00	22.96
60.00	21.82
70.00	21.01
80.00	20.33
90.00	19.63
100.00	18.89
110.00	18.20
120.00	17.84
130.00	17.64
140.00	17.28
150.00	17.03
160.00	16.55
170.00	16.29
180.00	15.91
190.00	15.55
200.00	15.00

Cruise: GULFCET 02  
Latitude: 27° 27.18' N

Station: 08-EX1  
Longitude: 91° 30.40' W

Probe Type: T-7  
Date: 16-Aug-1992

Time: 1945

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.45	310.00	11.99
20.00	29.45	320.00	11.65
30.00	29.44	330.00	11.43
40.00	28.55	340.00	11.16
50.00	25.41	350.00	10.97
60.00	23.96	360.00	10.78
70.00	23.04	370.00	10.62
80.00	22.05	380.00	10.36
90.00	21.34	390.00	10.19
100.00	20.72	400.00	10.04
110.00	20.12	410.00	9.85
120.00	19.57	420.00	9.65
130.00	18.91	430.00	9.47
140.00	18.81	440.00	9.27
150.00	18.17	450.00	9.05
160.00	17.74	460.00	8.94
170.00	17.09	470.00	8.80
180.00	16.45	480.00	8.59
190.00	16.16	490.00	8.47
200.00	15.70	500.00	8.35
210.00	15.59	510.00	8.25
220.00	15.08		
230.00	14.56		
240.00	14.33		
250.00	13.80		
260.00	13.43		
270.00	13.25		
280.00	12.99		
290.00	12.65		
300.00	12.27		

Cruise: GULFCET 02  
Latitude: 28° 2.49' N

Station: 09-088  
Longitude: 90° 50.01' W

Probe Type: T-10  
Date: 16-Aug-1992

Time: 651

Depth (m)	Temp. (°C)
10.00	29.59
20.00	30.45
30.00	29.83
40.00	23.37
50.00	21.98
60.00	20.79
70.00	20.40
80.00	19.87
90.00	19.42
100.00	19.14
110.00	18.64
120.00	17.94
130.00	17.37
140.00	16.91
150.00	16.65
160.00	16.48
170.00	16.17
180.00	15.71
190.00	15.20

Cruise: GULFCET 02      Station: 09-089      Probe Type: T-7  
 Latitude: 28° .02' N      Longitude: 90° 50.06' W      Date: 16-Aug-1992      Time: 625

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.39	310.00	11.29
20.00	30.52	320.00	11.14
30.00	28.85		
40.00	24.35		
50.00	22.04		
60.00	20.75		
70.00	20.63		
80.00	20.09		
90.00	19.04		
100.00	18.47		
110.00	18.17		
120.00	17.88		
130.00	17.42		
140.00	16.81		
150.00	16.27		
160.00	16.02		
170.00	15.63		
180.00	15.41		
190.00	15.05		
200.00	14.64		
210.00	14.42		
220.00	14.14		
230.00	13.82		
240.00	13.37		
250.00	13.14		
260.00	12.83		
270.00	12.67		
280.00	12.45		
290.00	12.06		
300.00	11.72		

Cruise: GULFCET 02      Station: 09-090      Probe Type: T-7  
 Latitude: 27° 51.94' N      Longitude: 90° 49.95' W      Date: 16-Aug-1992      Time: 457

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.91	310.00	11.01
20.00	30.44	320.00	10.74
30.00	29.12	330.00	10.25
40.00	25.57	340.00	10.01
50.00	22.10	350.00	9.87
60.00	20.75	360.00	9.72
70.00	20.02	370.00	9.53
80.00	19.43	380.00	9.46
90.00	19.14	390.00	9.15
100.00	18.98	400.00	9.02
110.00	18.54	410.00	8.96
120.00	17.77	420.00	8.87
130.00	17.27	430.00	8.71
140.00	16.84		
150.00	16.42		
160.00	16.21		
170.00	15.83		
180.00	15.41		
190.00	15.07		
200.00	14.88		
210.00	14.66		
220.00	14.29		
230.00	14.07		
240.00	13.75		
250.00	13.47		
260.00	13.05		
270.00	12.42		
280.00	11.86		
290.00	11.53		
300.00	11.46		

Cruise: GULFCET 02      Station: 09-091      Probe Type: T-7  
 Latitude: 27° 46.80' N      Longitude: 90° 50.00' W      Date: 16-Aug-1992      Time: 403

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.74	310.00	11.92	610.00	6.76
20.00	30.50	320.00	11.59	620.00	6.67
30.00	29.04	330.00	11.28	630.00	6.61
40.00	25.98	340.00	11.03	640.00	6.60
50.00	23.35	350.00	10.83	650.00	6.57
60.00	21.47	360.00	10.47	660.00	6.47
70.00	21.01	370.00	10.26		
80.00	19.89	380.00	10.09		
90.00	19.24	390.00	9.64		
100.00	18.58	400.00	9.41		
110.00	18.46	410.00	9.37		
120.00	17.95	420.00	9.20		
130.00	17.44	430.00	9.03		
140.00	17.03	440.00	8.87		
150.00	16.53	450.00	8.65		
160.00	16.10	460.00	8.52		
170.00	15.67	470.00	8.42		
180.00	15.20	480.00	8.21		
190.00	15.07	490.00	8.07		
200.00	14.60	500.00	8.03		
210.00	14.37	510.00	7.90		
220.00	14.13	520.00	7.71		
230.00	13.94	530.00	7.66		
240.00	13.75	540.00	7.58		
250.00	13.48	550.00	7.52		
260.00	13.25	560.00	7.36		
270.00	13.02	570.00	7.29		
280.00	12.73	580.00	7.14		
290.00	12.56	590.00	6.98		
300.00	12.10	600.00	6.87		

Cruise: GULFCET 02      Station: 09-092      Probe Type: T-7  
 Latitude: 27° 39.50' N      Longitude: 90° 50.00' W      Date: 16-Aug-1992      Time: 304

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.48	310.00	11.55	610.00	6.80
20.00	29.97	320.00	11.41	620.00	6.66
30.00	26.88	330.00	11.15	630.00	6.59
40.00	24.92	340.00	11.03	640.00	6.42
50.00	23.22	350.00	10.87	650.00	6.34
60.00	21.90	360.00	10.62	660.00	6.30
70.00	21.11	370.00	10.29	670.00	6.26
80.00	20.66	380.00	10.03	680.00	6.21
90.00	19.85	390.00	9.82	690.00	6.14
100.00	19.26	400.00	9.69	700.00	6.05
110.00	18.42	410.00	9.57	710.00	6.02
120.00	18.03	420.00	9.44	720.00	5.97
130.00	17.63	430.00	9.21	730.00	5.95
140.00	17.03	440.00	9.00	740.00	5.92
150.00	16.65	450.00	8.75	750.00	5.92
160.00	16.26	460.00	8.55	760.00	5.90
170.00	15.84	470.00	8.40	770.00	5.84
180.00	15.45	480.00	8.36	780.00	5.73
190.00	15.32	490.00	8.30	790.00	5.67
200.00	14.99	500.00	8.14	800.00	5.67
210.00	14.59	510.00	7.97	810.00	5.65
220.00	14.15	520.00	7.87	820.00	5.63
230.00	13.78	530.00	7.74	830.00	5.56
240.00	13.54	540.00	7.58		
250.00	13.08	550.00	7.46		
260.00	12.81	560.00	7.32		
270.00	12.49	570.00	7.20		
280.00	12.21	580.00	7.08		
290.00	11.97	590.00	6.96		
300.00	11.72	600.00	6.87		

Cruise: GULFCET 02      Station: 09-094      Probe Type: T-20  
 Latitude: 27° 15.95' N      Longitude: 90° 49.27' W      Date: 15-Aug-1992      Time: 2201

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.22	310.00	12.08	610.00	7.11	910.00	5.18
20.00	30.07	320.00	11.92	620.00	7.01	920.00	5.14
30.00	29.65	330.00	11.70	630.00	6.92	930.00	5.11
40.00	29.17	340.00	11.41	640.00	6.81	940.00	5.08
50.00	25.89	350.00	11.25	650.00	6.69	950.00	5.07
60.00	24.53	360.00	10.94	660.00	6.62	960.00	5.03
70.00	22.48	370.00	10.64	670.00	6.52	970.00	4.99
80.00	21.72	380.00	10.46	680.00	6.42	980.00	4.96
90.00	21.17	390.00	10.31	690.00	6.33	990.00	4.91
100.00	20.24	400.00	10.17	700.00	6.27		
110.00	19.85	410.00	9.98	710.00	6.21		
120.00	19.51	420.00	9.83	720.00	6.15		
130.00	19.08	430.00	9.71	730.00	6.10		
140.00	18.92	440.00	9.57	740.00	6.02		
150.00	18.26	450.00	9.40	750.00	5.97		
160.00	17.37	460.00	9.25	760.00	5.89		
170.00	16.68	470.00	9.01	770.00	5.84		
180.00	16.01	480.00	8.83	780.00	5.80		
190.00	15.61	490.00	8.65	790.00	5.75		
200.00	15.22	500.00	8.43	800.00	5.70		
210.00	15.00	510.00	8.20	810.00	5.65		
220.00	14.41	520.00	8.11	820.00	5.62		
230.00	13.97	530.00	8.06	830.00	5.55		
240.00	13.85	540.00	7.88	840.00	5.49		
250.00	13.59	550.00	7.80	850.00	5.43		
260.00	13.25	560.00	7.57	860.00	5.38		
270.00	13.04	570.00	7.43	870.00	5.34		
280.00	12.84	580.00	7.37	880.00	5.28		
290.00	12.60	590.00	7.26	890.00	5.26		
300.00	12.36	600.00	7.17	900.00	5.23		

Cruise: GULFCET 02      Station: 10-098      Probe Type: T-20  
 Latitude: 27° 11.54' N      Longitude: 90° 9.99' W      Date: 15-Aug-1992      Time: 803

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.81	310.00	12.42	610.00	6.73
20.00	30.38	320.00	12.12	620.00	6.67
30.00	29.92	330.00	11.64	630.00	6.59
40.00	29.32	340.00	11.28	640.00	6.53
50.00	27.33	350.00	10.92	650.00	6.49
60.00	25.49	360.00	10.70	660.00	6.45
70.00	23.40	370.00	10.25	670.00	6.37
80.00	22.87	380.00	9.76	680.00	6.32
90.00	22.03	390.00	9.48	690.00	6.24
100.00	21.29	400.00	9.33	700.00	6.12
110.00	20.75	410.00	9.19	710.00	6.03
120.00	20.28	420.00	9.01	720.00	5.95
130.00	19.99	430.00	8.95	730.00	5.95
140.00	19.14	440.00	8.79	740.00	5.85
150.00	17.99	450.00	8.63	750.00	5.82
160.00	17.53	460.00	8.52	760.00	5.75
170.00	17.22	470.00	8.41	770.00	5.65
180.00	16.84	480.00	8.24	780.00	5.62
190.00	16.57	490.00	8.13	790.00	5.57
200.00	16.23	500.00	7.98	800.00	5.56
210.00	15.75	510.00	7.90	810.00	5.51
220.00	15.38	520.00	7.72	820.00	5.50
230.00	15.19	530.00	7.59	830.00	5.44
240.00	14.69	540.00	7.40	840.00	5.37
250.00	14.24	550.00	7.26	850.00	5.35
260.00	14.00	560.00	7.18	860.00	5.26
270.00	13.77	570.00	7.10	870.00	5.21
280.00	13.49	580.00	7.01	880.00	5.16
290.00	13.15	590.00	6.88		
300.00	12.76	600.00	6.78		

Cruise: GULFCET 02      Station: 10-099      Probe Type: T-20      Time: 331  
 Latitude: 27° 40.00' N      Longitude: 90° 10.00' W      Date: 15-Aug-1992

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.63	310.00	10.81	610.00	6.49
20.00	30.55	320.00	10.56	620.00	6.37
30.00	29.56	330.00	10.33	630.00	6.25
40.00	25.57	340.00	10.15	640.00	6.14
50.00	23.77	350.00	9.98	650.00	6.02
60.00	22.60	360.00	9.83	660.00	5.96
70.00	21.76	370.00	9.74	670.00	5.91
80.00	20.87	380.00	9.55	680.00	5.83
90.00	19.51	390.00	9.30	690.00	5.76
100.00	18.66	400.00	9.09	700.00	5.74
110.00	18.14	410.00	8.93	710.00	5.71
120.00	17.64	420.00	8.71	720.00	5.67
130.00	17.03	430.00	8.55	730.00	5.64
140.00	16.56	440.00	8.50	740.00	5.62
150.00	16.26	450.00	8.40	750.00	5.58
160.00	15.82	460.00	8.26	760.00	5.56
170.00	15.57	470.00	8.07		
180.00	14.99	480.00	7.95		
190.00	14.56	490.00	7.85		
200.00	14.03	500.00	7.65		
210.00	13.80	510.00	7.49		
220.00	13.53	520.00	7.36		
230.00	13.14	530.00	7.25		
240.00	12.78	540.00	7.16		
250.00	12.48	550.00	6.98		
260.00	12.18	560.00	6.88		
270.00	11.86	570.00	6.82		
280.00	11.61	580.00	6.73		
290.00	11.43	590.00	6.66		
300.00	11.15	600.00	6.56		

Cruise: GULFCET 02      Station: 10-101      Probe Type: T-7      Time: 59  
 Latitude: 27° 49.88' N      Longitude: 90° 9.88' W      Date: 15-Aug-1992

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.38	310.00	10.91	610.00	6.63
20.00	30.34	320.00	10.70	620.00	6.53
30.00	26.95	330.00	10.42	630.00	6.44
40.00	24.22	340.00	10.33	640.00	6.39
50.00	22.45	350.00	10.17	650.00	6.39
60.00	21.47	360.00	9.96	660.00	6.36
70.00	20.97	370.00	9.79	670.00	6.32
80.00	20.29	380.00	9.74	680.00	6.27
90.00	19.43	390.00	9.53	690.00	6.20
100.00	18.70	400.00	9.35	700.00	6.16
110.00	17.95	410.00	9.23	710.00	6.09
120.00	17.37	420.00	8.96	720.00	6.09
130.00	16.90	430.00	8.71	730.00	6.07
140.00	16.39	440.00	8.45	740.00	6.06
150.00	15.97	450.00	8.36	750.00	6.03
160.00	15.55	460.00	8.18	760.00	5.98
170.00	15.25	470.00	8.13		
180.00	14.78	480.00	7.97		
190.00	14.32	490.00	7.72		
200.00	13.97	500.00	7.61		
210.00	13.63	510.00	7.55		
220.00	13.38	520.00	7.39		
230.00	12.98	530.00	7.34		
240.00	12.82	540.00	7.20		
250.00	12.52	550.00	7.14		
260.00	12.33	560.00	7.05		
270.00	11.87	570.00	6.94		
280.00	11.65	580.00	6.78		
290.00	11.43	590.00	6.72		
300.00	11.19	600.00	6.67		

**Cruise:** GULFCET 02      **Station:** 10-102      **Probe Type:** T-7      **Time:** 2301  
**Latitude:** 28° 1.93' N      **Longitude:** 90° 10.06' W      **Date:** 14-Aug-1992

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.80	310.00	11.10
20.00	30.17	320.00	10.90
30.00	26.68	330.00	10.65
40.00	23.56	340.00	10.41
50.00	21.77	350.00	10.25
60.00	21.02	360.00	10.01
70.00	20.27	370.00	9.81
80.00	20.09	380.00	9.55
90.00	19.42	390.00	9.32
100.00	18.87	400.00	9.14
110.00	18.22	410.00	8.76
120.00	17.66	420.00	8.63
130.00	17.18	430.00	8.59
140.00	16.80	440.00	8.54
150.00	16.28	450.00	8.36
160.00	15.89	460.00	8.24
170.00	15.41	470.00	8.18
180.00	14.94	480.00	8.04
190.00	14.77	490.00	7.93
200.00	14.74		
210.00	14.13		
220.00	13.91		
230.00	13.59		
240.00	13.29		
250.00	12.94		
260.00	12.63		
270.00	12.38		
280.00	12.09		
290.00	11.77		
300.00	11.40		

**Cruise:** GULFCET 02      **Station:** 10-103      **Probe Type:** T-7      **Time:** 2240  
**Latitude:** 28° 4.04' N      **Longitude:** 90° 10.09' W      **Date:** 14-Aug-1992

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.70	310.00	11.13
20.00	29.35	320.00	11.09
30.00	26.89	330.00	10.76
40.00	23.12	340.00	10.55
50.00	21.40	350.00	10.40
60.00	21.26	360.00	10.06
70.00	20.14		
80.00	19.83		
90.00	19.17		
100.00	18.86		
110.00	18.57		
120.00	18.16		
130.00	17.57		
140.00	17.00		
150.00	16.39		
160.00	15.96		
170.00	15.66		
180.00	15.36		
190.00	15.00		
200.00	14.67		
210.00	14.51		
220.00	14.12		
230.00	13.89		
240.00	13.20		
250.00	12.81		
260.00	12.54		
270.00	12.28		
280.00	12.09		
290.00	11.86		
300.00	11.56		



**Cruise:** GULFCET 02      **Station:** 10-104      **Probe Type:** T-10  
**Latitude:** 28° 9.47' N      **Longitude:** 90° 10.03' W      **Date:** 14-Aug-1992      **Time:** 2150

Depth (m)	Temp. (°C)
10.00	29.98
20.00	30.22
30.00	28.84
40.00	24.08
50.00	21.62
60.00	20.49
70.00	20.08
80.00	19.70
90.00	19.44
100.00	18.98
110.00	18.55
120.00	17.78
130.00	17.27
140.00	16.70
150.00	16.19
160.00	15.81
170.00	15.42
180.00	15.30

**Cruise:** GULFCET 02      **Station:** 11-107      **Probe Type:** T-10  
**Latitude:** 28° 36.61' N      **Longitude:** 89° 30.03' W      **Date:** 14-Aug-1992      **Time:** 1356

Depth (m)	Temp. (°C)
10.00	30.15
20.00	28.35
30.00	25.09
40.00	22.95
50.00	21.57
60.00	20.85
70.00	20.27
80.00	19.74
90.00	19.06
100.00	18.57
110.00	18.36
120.00	17.60
130.00	17.28
140.00	17.13

Cruise: GULFCET 02      Station: 11-109      Probe Type: T-7  
 Latitude: 28° 28.01' N      Longitude: 89° 30.04' W      Date: 14-Aug-1992      Time: 1239

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.97	310.00	11.50
20.00	28.03	320.00	11.10
30.00	24.82	330.00	10.80
40.00	22.31	340.00	10.47
50.00	21.60	350.00	10.15
60.00	20.55	360.00	9.96
70.00	19.87	370.00	9.95
80.00	19.07	380.00	9.67
90.00	18.64	390.00	9.10
100.00	17.90	400.00	8.77
110.00	17.18	410.00	8.70
120.00	16.76	420.00	8.67
130.00	16.44	430.00	8.62
140.00	16.04	440.00	8.62
150.00	15.85	450.00	8.62
160.00	15.61	460.00	8.61
170.00	15.15	470.00	8.61
180.00	14.83	480.00	8.46
190.00	14.65	490.00	8.30
200.00	14.23	500.00	8.21
210.00	14.00	510.00	8.04
220.00	13.72	520.00	8.00
230.00	13.54	530.00	7.96
240.00	13.07	540.00	7.53
250.00	12.91		
260.00	12.71		
270.00	12.42		
280.00	12.08		
290.00	11.85		
300.00	11.58		

Cruise: GULFCET 02      Station: 11-110      Probe Type: T-7  
 Latitude: 28° 21.48' N      Longitude: 89° 29.98' W      Date: 14-Aug-1992      Time: 1137

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.61	310.00	11.33	610.00	6.71
20.00	30.34	320.00	11.07	620.00	6.66
30.00	26.53	330.00	10.92	630.00	6.58
40.00	24.05	340.00	10.71	640.00	6.51
50.00	21.25	350.00	10.51	650.00	6.47
60.00	20.54	360.00	10.16	660.00	6.44
70.00	20.30	370.00	9.89	670.00	6.32
80.00	19.61	380.00	9.74	680.00	6.27
90.00	18.94	390.00	9.59	690.00	6.22
100.00	18.24	400.00	9.48	700.00	6.21
110.00	17.71	410.00	9.36	710.00	6.11
120.00	17.11	420.00	9.14	720.00	6.01
130.00	16.57	430.00	9.05	730.00	5.91
140.00	16.10	440.00	8.92	740.00	5.85
150.00	15.85	450.00	8.79	750.00	5.85
160.00	15.44	460.00	8.69	760.00	5.85
170.00	15.13	470.00	8.53		
180.00	14.68	480.00	8.36		
190.00	14.35	490.00	8.10		
200.00	14.02	500.00	7.84		
210.00	13.75	510.00	7.77		
220.00	13.36	520.00	7.59		
230.00	13.03	530.00	7.49		
240.00	12.71	540.00	7.36		
250.00	12.55	550.00	7.34		
260.00	12.36	560.00	7.20		
270.00	12.25	570.00	7.08		
280.00	11.93	580.00	6.94		
290.00	11.76	590.00	6.89		
300.00	11.50	600.00	6.77		

Cruise: GULFCET 02      Station: 11-111      Probe Type: T-20  
 Latitude: 28° 15.01' N      Longitude: 89° 30.07' W      Date: 14-Aug-1992      Time: 1033

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.87	310.00	11.21	610.00	6.78	910.00	5.28
20.00	29.96	320.00	11.01	620.00	6.72	920.00	5.27
30.00	30.22	330.00	10.81	630.00	6.61	930.00	5.26
40.00	24.95	340.00	10.53	640.00	6.50	940.00	5.20
50.00	23.16	350.00	10.31	650.00	6.42		
60.00	21.22	360.00	10.07	660.00	6.31		
70.00	20.43	370.00	9.91	670.00	6.22		
80.00	19.75	380.00	9.77	680.00	6.14		
90.00	18.98	390.00	9.62	690.00	6.05		
100.00	18.13	400.00	9.44	700.00	5.96		
110.00	17.48	410.00	9.27	710.00	5.90		
120.00	16.98	420.00	9.13	720.00	5.86		
130.00	16.57	430.00	9.04	730.00	5.83		
140.00	16.07	440.00	8.96	740.00	5.77		
150.00	15.69	450.00	8.85	750.00	5.70		
160.00	15.43	460.00	8.79	760.00	5.63		
170.00	15.07	470.00	8.67	770.00	5.61		
180.00	14.87	480.00	8.43	780.00	5.58		
190.00	14.51	490.00	8.21	790.00	5.54		
200.00	14.07	500.00	8.00	800.00	5.53		
210.00	13.87	510.00	7.90	810.00	5.48		
220.00	13.60	520.00	7.83	820.00	5.45		
230.00	13.29	530.00	7.71	830.00	5.42		
240.00	12.95	540.00	7.53	840.00	5.42		
250.00	12.71	550.00	7.48	850.00	5.39		
260.00	12.49	560.00	7.30	860.00	5.37		
270.00	12.18	570.00	7.18	870.00	5.35		
280.00	11.88	580.00	7.10	880.00	5.34		
290.00	11.64	590.00	7.02	890.00	5.33		
300.00	11.44	600.00	6.94	900.00	5.30		

Cruise: GULFCET 02      Station: 11-113      Probe Type: T-20  
 Latitude: 27° 38.00' N      Longitude: 89° 29.90' W      Date: 14-Aug-1992      Time: 300

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.73	310.00	10.80	610.00	6.41	910.00	5.06
20.00	30.21	320.00	10.57	620.00	6.35	920.00	5.04
30.00	30.23	330.00	10.33	630.00	6.29	930.00	5.03
40.00	26.84	340.00	10.14	640.00	6.19	940.00	5.01
50.00	24.25	350.00	10.00	650.00	6.13	950.00	5.00
60.00	23.37	360.00	9.83	660.00	6.02	960.00	4.98
70.00	22.38	370.00	9.56	670.00	5.96	970.00	4.98
80.00	21.28	380.00	9.42	680.00	5.90	980.00	4.96
90.00	20.63	390.00	9.24	690.00	5.88	990.00	4.94
100.00	19.51	400.00	9.07	700.00	5.82		
110.00	18.83	410.00	8.90	710.00	5.75		
120.00	18.14	420.00	8.72	720.00	5.72		
130.00	17.52	430.00	8.61	730.00	5.66		
140.00	17.09	440.00	8.48	740.00	5.56		
150.00	16.61	450.00	8.40	750.00	5.57		
160.00	16.32	460.00	8.15	760.00	5.55		
170.00	15.90	470.00	7.88	770.00	5.46		
180.00	15.31	480.00	7.82	780.00	5.43		
190.00	14.97	490.00	7.62	790.00	5.39		
200.00	14.47	500.00	7.50	800.00	5.35		
210.00	14.10	510.00	7.37	810.00	5.32		
220.00	13.86	520.00	7.25	820.00	5.29		
230.00	13.48	530.00	7.16	830.00	5.25		
240.00	13.12	540.00	7.09	840.00	5.24		
250.00	12.89	550.00	6.98	850.00	5.20		
260.00	12.65	560.00	6.85	860.00	5.14		
270.00	12.36	570.00	6.81	870.00	5.12		
280.00	12.09	580.00	6.75	880.00	5.10		
290.00	11.62	590.00	6.60	890.00	5.09		
300.00	11.16	600.00	6.51	900.00	5.07		

Cruise: GULFCET 02  
Latitude: 28° 26.00' N

Station: 12-119  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date:

Time:

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.81	310.00	11.56	610.00	6.69	910.00	5.03
20.00	30.34	320.00	11.29	620.00	6.60	920.00	4.99
30.00	27.74	330.00	11.02	630.00	6.55	930.00	5.00
40.00	24.52	340.00	10.81	640.00	6.47	940.00	4.97
50.00	22.80	350.00	10.47	650.00	6.37	950.00	4.98
60.00	21.30	360.00	10.19	660.00	6.26	960.00	4.96
70.00	20.34	370.00	10.03	670.00	6.19	970.00	4.93
80.00	19.83	380.00	9.84	680.00	6.14	980.00	4.92
90.00	19.33	390.00	9.59	690.00	6.09	990.00	4.91
100.00	18.77	400.00	9.27	700.00	6.06		
110.00	18.20	410.00	9.04	710.00	6.01		
120.00	17.64	420.00	8.90	720.00	5.94		
130.00	17.40	430.00	8.77	730.00	5.89		
140.00	16.95	440.00	8.71	740.00	5.83		
150.00	16.47	450.00	8.55	750.00	5.74		
160.00	16.26	460.00	8.35	760.00	5.68		
170.00	15.78	470.00	8.15	770.00	5.57		
180.00	15.32	480.00	7.96	780.00	5.53		
190.00	15.05	490.00	7.84	790.00	5.48		
200.00	14.77	500.00	7.70	800.00	5.43		
210.00	14.51	510.00	7.65	810.00	5.41		
220.00	14.23	520.00	7.51	820.00	5.38		
230.00	13.98	530.00	7.41	830.00	5.32		
240.00	13.73	540.00	7.30	840.00	5.30		
250.00	13.43	550.00	7.22	850.00	5.25		
260.00	12.94	560.00	7.14	860.00	5.19		
270.00	12.55	570.00	7.03	870.00	5.15		
280.00	12.41	580.00	6.95	880.00	5.11		
290.00	12.05	590.00	6.79	890.00	5.06		
300.00	11.65	600.00	6.73	900.00	5.04		

Cruise: GULFCET 02  
Latitude: 28° 43.50' N

Station: 12-120  
Longitude: 88° 50.00' W

Probe Type: T-20  
Date: 13-Aug-1992

Time: 511

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.86	310.00	10.88	610.00	7.12	910.00	5.45
20.00	28.53	320.00	10.74	620.00	7.06	920.00	5.44
30.00	25.10	330.00	10.63	630.00	6.96	930.00	5.44
40.00	22.30	340.00	10.50	640.00	6.83	940.00	5.44
50.00	21.55	350.00	10.11	650.00	6.73	950.00	5.43
60.00	20.89	360.00	9.91	660.00	6.67	960.00	5.42
70.00	20.61	370.00	9.76	670.00	6.63	970.00	5.42
80.00	20.01	380.00	9.59	680.00	6.54	980.00	5.43
90.00	19.53	390.00	9.40	690.00	6.54	990.00	5.42
100.00	18.91	400.00	9.24	700.00	6.46		
110.00	18.25	410.00	8.98	710.00	6.41		
120.00	16.99	420.00	8.74	720.00	6.35		
130.00	16.66	430.00	8.62	730.00	6.32		
140.00	16.72	440.00	8.54	740.00	6.23		
150.00	16.35	450.00	8.43	750.00	6.17		
160.00	15.77	460.00	8.36	760.00	6.12		
170.00	15.09	470.00	8.32	770.00	6.06		
180.00	14.65	480.00	8.23	780.00	6.00		
190.00	14.31	490.00	8.07	790.00	5.93		
200.00	14.09	500.00	8.04	800.00	5.86		
210.00	13.77	510.00	7.99	810.00	5.83		
220.00	13.45	520.00	7.91	820.00	5.81		
230.00	13.10	530.00	7.83	830.00	5.77		
240.00	12.81	540.00	7.78	840.00	5.76		
250.00	12.32	550.00	7.72	850.00	5.71		
260.00	12.10	560.00	7.63	860.00	5.66		
270.00	11.93	570.00	7.47	870.00	5.30		
280.00	11.83	580.00	7.36	880.00	5.48		
290.00	11.59	590.00	7.25	890.00	5.44		
300.00	11.22	600.00	7.18	900.00	5.43		

Cruise: GULFCET 02      Station: 12-121      Probe Type: T-7  
 Latitude: 28° 47.00' N      Longitude: 88° 50.00' W      Date: 13-Aug-1992      Time: 435

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.89	310.00	10.60	610.00	7.14
20.00	29.30	320.00	10.37	620.00	7.03
30.00	24.31	330.00	10.10	630.00	6.95
40.00	21.94	340.00	9.93	640.00	6.90
50.00	21.13	350.00	9.74	650.00	6.86
60.00	20.71	360.00	9.55	660.00	6.79
70.00	20.18	370.00	9.44	670.00	6.73
80.00	19.85	380.00	9.29	680.00	6.63
90.00	19.38	390.00	9.24	690.00	6.40
100.00	19.02	400.00	9.17	700.00	6.30
110.00	18.29	410.00	9.02	710.00	6.14
120.00	17.54	420.00	8.95	720.00	6.02
130.00	16.94	430.00	8.67		
140.00	16.43	440.00	8.53		
150.00	15.86	450.00	8.38		
160.00	15.33	460.00	8.33		
170.00	14.99	470.00	8.29		
180.00	14.81	480.00	8.27		
190.00	14.34	490.00	8.23		
200.00	14.00	500.00	8.17		
210.00	13.74	510.00	8.18		
220.00	13.34	520.00	8.14		
230.00	13.13	530.00	8.08		
240.00	12.79	540.00	7.93		
250.00	12.43	550.00	7.80		
260.00	12.09	560.00	7.65		
270.00	11.70	570.00	7.51		
280.00	11.39	580.00	7.39		
290.00	11.19	590.00	7.29		
300.00	10.98	600.00	7.19		

Cruise: GULFCET 02      Station: 12-122      Probe Type: T-7  
 Latitude: 28° 53.00' N      Longitude: 88° 50.00' W      Date: 13-Aug-1992      Time: 328

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.32	310.00	10.92
20.00	28.68	320.00	10.68
30.00	25.59	330.00	10.47
40.00	22.64	340.00	10.33
50.00	21.56	350.00	10.16
60.00	20.75	360.00	9.96
70.00	20.13	370.00	9.96
80.00	19.78	380.00	9.98
90.00	19.33	390.00	9.98
100.00	18.87	400.00	9.71
110.00	18.46	410.00	9.21
120.00	17.94		
130.00	17.47		
140.00	17.03		
150.00	16.47		
160.00	16.24		
170.00	15.64		
180.00	15.38		
190.00	14.79		
200.00	14.55		
210.00	14.32		
220.00	13.94		
230.00	13.31		
240.00	12.82		
250.00	12.36		
260.00	12.23		
270.00	12.07		
280.00	11.80		
290.00	11.65		
300.00	11.31		

Cruise: GULFCET 02  
Latitude: 28° 55.50' N

Station: 12-123  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date: 13-Aug-1992

Time: 302

Depth (m) Temp. (°C)

10.00	29.70
20.00	29.63
30.00	23.44
40.00	22.43
50.00	21.41
60.00	20.59
70.00	20.21
80.00	19.78
90.00	19.30
100.00	18.92
110.00	18.49
120.00	18.07
130.00	17.63
140.00	17.07
150.00	16.70
160.00	16.30
170.00	15.86
180.00	15.39
190.00	15.04
200.00	14.70
210.00	14.03
220.00	13.74
230.00	13.50
240.00	13.24
250.00	13.06
260.00	12.68
270.00	12.24
280.00	12.11
290.00	11.40

Cruise: GULFCET 02  
Latitude: 29° 0.00' N

Station: 12-124  
Longitude: 88° 50.00' W

Probe Type: T-10  
Date: 13-Aug-1992

Time: 216

Depth (m) Temp. (°C)

10.00	30.27
20.00	30.04
30.00	25.24
40.00	22.88
50.00	21.74
60.00	21.09
70.00	20.47
80.00	19.99
90.00	19.39
100.00	19.33
110.00	18.92
120.00	18.39
130.00	18.24
140.00	17.63
150.00	17.20
160.00	16.70
170.00	16.27
180.00	15.91
190.00	15.52

Cruise: GULFCET 02  
Latitude: 29° 10.05' N

Station: 13-127  
Longitude: 88° 9.95' W

Probe Type: T-10  
Date: 12-Aug-1992

Time: 1833

Depth (m)	Temp. (°C)
10.00	30.08
20.00	30.25
30.00	29.80
40.00	26.16
50.00	23.68
60.00	21.76
70.00	21.18
80.00	20.73
90.00	20.24
100.00	20.00
110.00	19.62
120.00	18.74
130.00	18.27
140.00	17.68
150.00	17.07
160.00	16.72
170.00	16.02
180.00	15.41
190.00	14.94
200.00	14.47

Cruise: GULFCET 02  
Latitude: 29° 10.58' N

Station: 13-128  
Longitude: 88° 10.00' W

Probe Type: T-7  
Date: 12-Aug-1992

Time: 1808

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.36	310.00	10.56
20.00	30.44	320.00	10.22
30.00	29.68	330.00	10.04
40.00	25.49	340.00	9.93
50.00	23.62	350.00	9.71
60.00	21.77		
70.00	20.97		
80.00	20.68		
90.00	20.12		
100.00	19.75		
110.00	19.39		
120.00	18.75		
130.00	17.84		
140.00	17.33		
150.00	16.66		
160.00	16.19		
170.00	15.71		
180.00	15.43		
190.00	14.76		
200.00	14.43		
210.00	14.04		
220.00	13.72		
230.00	13.50		
240.00	13.12		
250.00	12.74		
260.00	12.31		
270.00	12.03		
280.00	11.54		
290.00	11.31		
300.00	11.00		

**Cruise:** GULFCET 02      **Station:** 13-129      **Probe Type:** T-7  
**Latitude:** 29° 5.49' N      **Longitude:** 88° 10.01' W      **Date:** 12-Aug-1992      **Time:** 1718

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.58	310.00	11.16
20.00	30.23	320.00	10.87
30.00	29.93	330.00	10.60
40.00	25.96	340.00	10.43
50.00	23.78	350.00	10.17
60.00	22.11	360.00	10.04
70.00	20.89	370.00	9.80
80.00	20.41	380.00	9.66
90.00	20.00	390.00	9.52
100.00	19.15	400.00	9.42
110.00	18.94	410.00	9.20
120.00	18.36	420.00	9.06
130.00	17.74	430.00	8.96
140.00	17.41	440.00	8.90
150.00	16.84	450.00	8.73
160.00	16.45	460.00	8.53
170.00	16.12	470.00	8.39
180.00	15.85	480.00	8.24
190.00	15.53	490.00	8.11
200.00	15.22	500.00	8.03
210.00	14.76		
220.00	14.34		
230.00	13.85		
240.00	13.42		
250.00	12.97		
260.00	12.60		
270.00	12.32		
280.00	12.04		
290.00	11.72		
300.00	11.47		

**Cruise:** GULFCET 02      **Station:** 13-130      **Probe Type:** T-7  
**Latitude:** 29° 5.13' N      **Longitude:** 88° 10.02' W      **Date:** 12-Aug-1992      **Time:** 1714

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.62	310.00	11.27	610.00	6.88
20.00	30.31	320.00	10.84	620.00	6.85
30.00	29.45	330.00	10.57	630.00	6.78
40.00	25.92	340.00	10.40	640.00	6.72
50.00	23.79	350.00	10.23	650.00	6.59
60.00	21.83	360.00	10.03	660.00	6.46
70.00	20.89	370.00	9.86	670.00	6.36
80.00	20.36	380.00	9.62	680.00	6.28
90.00	19.90	390.00	9.45	690.00	6.19
100.00	19.13	400.00	9.32	700.00	6.11
110.00	18.93	410.00	9.20	710.00	6.04
120.00	18.32	420.00	9.01	720.00	5.95
130.00	17.88	430.00	8.92	730.00	5.89
140.00	17.30	440.00	8.81	740.00	5.88
150.00	16.84	450.00	8.77	750.00	5.89
160.00	16.45	460.00	8.63		
170.00	16.14	470.00	8.37		
180.00	15.86	480.00	8.30		
190.00	15.48	490.00	8.12		
200.00	15.10	500.00	7.94		
210.00	14.58	510.00	7.84		
220.00	14.29	520.00	7.77		
230.00	13.78	530.00	7.71		
240.00	13.34	540.00	7.51		
250.00	12.90	550.00	7.42		
260.00	12.50	560.00	7.36		
270.00	12.17	570.00	7.23		
280.00	11.91	580.00	7.14		
290.00	11.76	590.00	7.08		
300.00	11.48	600.00	6.93		



Cruise: GULFCET 02      Station: 13-131      Probe Type: T-20  
 Latitude: 29° 3.05' N      Longitude: 88° 10.04' W      Date: 12-Aug-1992      Time: 1654

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.90	310.00	11.14	610.00	6.73	910.00	5.19
20.00	30.40	320.00	10.85	620.00	6.65	920.00	5.18
30.00	29.76	330.00	10.62	630.00	6.57	930.00	5.17
40.00	26.56	340.00	10.54	640.00	6.54		
50.00	24.24	350.00	10.23	650.00	6.53		
60.00	22.21	360.00	10.06	660.00	6.45		
70.00	21.25	370.00	9.76	670.00	6.39		
80.00	20.49	380.00	9.55	680.00	6.33		
90.00	19.96	390.00	9.30	690.00	6.25		
100.00	19.46	400.00	9.10	700.00	6.15		
110.00	19.19	410.00	9.00	710.00	6.11		
120.00	18.81	420.00	8.90	720.00	6.03		
130.00	18.13	430.00	8.67	730.00	5.96		
140.00	17.47	440.00	8.58	740.00	5.92		
150.00	16.96	450.00	8.45	750.00	5.82		
160.00	16.61	460.00	8.26	760.00	5.74		
170.00	16.20	470.00	8.15	770.00	5.66		
180.00	15.94	480.00	8.01	780.00	5.63		
190.00	15.49	490.00	7.98	790.00	5.59		
200.00	14.96	500.00	7.92	800.00	5.54		
210.00	14.62	510.00	7.74	810.00	5.51		
220.00	14.20	520.00	7.64	820.00	5.44		
230.00	13.66	530.00	7.57	830.00	5.39		
240.00	13.27	540.00	7.45	840.00	5.35		
250.00	13.04	550.00	7.30	850.00	5.31		
260.00	12.77	560.00	7.19	860.00	5.27		
270.00	12.44	570.00	7.11	870.00	5.25		
280.00	12.15	580.00	7.10	880.00	5.23		
290.00	12.00	590.00	6.97	890.00	5.22		
300.00	11.60	600.00	6.81	900.00	5.21		

Cruise: GULFCET 02      Station: 13-132      Probe Type: T-20  
 Latitude: 28° 49.00' N      Longitude: 88° 10.00' W      Date: 12-Aug-1992      Time: 1446

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	29.90	310.00	10.13	610.00	6.48	910.00	5.06
20.00	30.32	320.00	9.82	620.00	6.42	920.00	5.04
30.00	29.45	330.00	9.63	630.00	6.40	930.00	4.99
40.00	25.83	340.00	9.45	640.00	6.34	940.00	4.96
50.00	23.89	350.00	9.31	650.00	6.27	950.00	4.93
60.00	23.05	360.00	9.21	660.00	6.25	960.00	4.92
70.00	21.87	370.00	9.00	670.00	6.21	970.00	4.88
80.00	21.15	380.00	8.82	680.00	6.08	980.00	4.85
90.00	20.69	390.00	8.69	690.00	6.00	990.00	4.84
100.00	20.21	400.00	8.57	700.00	5.97		
110.00	19.70	410.00	8.47	710.00	5.93		
120.00	19.12	420.00	8.36	720.00	5.91		
130.00	18.67	430.00	8.22	730.00	5.86		
140.00	18.14	440.00	8.13	740.00	5.77		
150.00	17.50	450.00	8.04	750.00	5.73		
160.00	16.81	460.00	7.89	760.00	5.67		
170.00	16.21	470.00	7.76	770.00	5.63		
180.00	15.69	480.00	7.62	780.00	5.60		
190.00	15.22	490.00	7.44	790.00	5.53		
200.00	14.96	500.00	7.39	800.00	5.48		
210.00	14.52	510.00	7.31	810.00	5.43		
220.00	14.02	520.00	7.24	820.00	5.41		
230.00	13.45	530.00	7.21	830.00	5.40		
240.00	12.86	540.00	7.12	840.00	5.38		
250.00	12.52	550.00	7.06	850.00	5.34		
260.00	11.89	560.00	6.95	860.00	5.30		
270.00	11.63	570.00	6.85	870.00	5.26		
280.00	11.26	580.00	6.74	880.00	5.22		
290.00	10.77	590.00	6.71	890.00	5.20		
300.00	10.68	600.00	6.58	900.00	5.13		

Cruise: GULFCET 02  
Latitude: 29° 4.00' N

Station: 14-137  
Longitude: 87° 30.06' W

Probe Type: T-20  
Date: 12-Aug-1992

Time: 2000

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.43	310.00	12.16	610.00	7.01
20.00	30.39	320.00	11.81	620.00	6.91
30.00	28.55	330.00	11.64	630.00	6.81
40.00	25.74	340.00	11.43	640.00	6.74
50.00	23.68	350.00	11.11	650.00	6.74
60.00	22.76	360.00	10.96	660.00	6.68
70.00	21.85	370.00	10.64	670.00	6.60
80.00	21.23	380.00	10.38	680.00	6.50
90.00	20.78	390.00	10.16	690.00	6.39
100.00	20.41	400.00	10.02	700.00	6.35
110.00	20.03	410.00	9.78	710.00	6.31
120.00	19.70	420.00	9.47	720.00	6.23
130.00	19.12	430.00	9.21	730.00	6.21
140.00	18.48	440.00	8.98	740.00	6.12
150.00	17.85	450.00	8.85	750.00	6.07
160.00	17.53	460.00	8.80	760.00	6.00
170.00	17.14	470.00	8.77	770.00	5.98
180.00	16.67	480.00	8.70	780.00	5.91
190.00	16.25	490.00	8.66		
200.00	15.91	500.00	8.54		
210.00	15.48	510.00	8.39		
220.00	15.08	520.00	8.21		
230.00	14.75	530.00	8.02		
240.00	14.46	540.00	7.86		
250.00	14.07	550.00	7.69		
260.00	13.77	560.00	7.54		
270.00	13.40	570.00	7.38		
280.00	13.00	580.00	7.27		
290.00	12.70	590.00	7.17		
300.00	12.52	600.00	7.08		

Cruise: GULFCET 02  
Latitude: 29° 17.00' N

Station: 14-139  
Longitude: 87° 29.92' W

Probe Type: T-7  
Date: 11-Aug-1992

Time: 1758

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.38	310.00	11.09	610.00	6.97
20.00	30.30	320.00	10.93	620.00	6.89
30.00	29.75	330.00	10.81	630.00	6.81
40.00	25.45	340.00	10.53	640.00	6.73
50.00	23.84	350.00	10.09	650.00	6.65
60.00	22.52	360.00	9.91	660.00	6.56
70.00	21.85	370.00	9.72	670.00	6.46
80.00	20.94	380.00	9.51	680.00	6.37
90.00	20.40	390.00	9.24	690.00	6.31
100.00	19.97	400.00	9.08	700.00	6.21
110.00	19.61	410.00	8.93	710.00	6.19
120.00	19.19	420.00	8.83	720.00	6.10
130.00	18.18	430.00	8.78	730.00	6.06
140.00	17.56	440.00	8.71	740.00	6.02
150.00	16.96	450.00	8.70	750.00	5.98
160.00	16.42	460.00	8.68	760.00	5.81
170.00	15.97	470.00	8.61		
180.00	15.64	480.00	8.52		
190.00	15.10	490.00	8.49		
200.00	14.67	500.00	8.39		
210.00	14.28	510.00	8.17		
220.00	13.95	520.00	7.91		
230.00	13.50	530.00	7.83		
240.00	13.07	540.00	7.77		
250.00	12.79	550.00	7.66		
260.00	12.48	560.00	7.64		
270.00	12.19	570.00	7.54		
280.00	11.96	580.00	7.44		
290.00	11.63	590.00	7.25		
300.00	11.32	600.00	7.10		

**Cruise:** GULFCET 02      **Station:** 14-140      **Probe Type:** T-7  
**Latitude:** 29° 20.03' N      **Longitude:** 87° 29.91' W      **Date:** 11-Aug-1992      **Time:** 1731

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.25	310.00	10.42
20.00	30.47	320.00	10.10
30.00	29.56	330.00	9.79
40.00	25.86	340.00	9.73
50.00	24.51	350.00	9.51
60.00	23.41	360.00	9.46
70.00	22.15	370.00	9.44
80.00	21.48	380.00	9.41
90.00	20.94	390.00	9.38
100.00	20.42	400.00	9.37
110.00	20.07	410.00	9.38
120.00	19.25	420.00	9.33
130.00	18.65	430.00	9.33
140.00	17.93	440.00	9.33
150.00	17.10	450.00	9.13
160.00	16.12		
170.00	15.50		
180.00	14.86		
190.00	14.16		
200.00	13.67		
210.00	13.23		
220.00	12.85		
230.00	12.21		
240.00	11.91		
250.00	11.47		
260.00	11.31		
270.00	11.17		
280.00	10.98		
290.00	10.80		
300.00	10.66		

**Cruise:** GULFCET 02      **Station:** 14-141      **Probe Type:** T-7  
**Latitude:** 29° 22.00' N      **Longitude:** 87° 29.99' W      **Date:** 11-Aug-1992      **Time:** 1712

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
10.00	30.41	310.00	10.02
20.00	30.26	320.00	9.89
30.00	28.58	330.00	9.83
40.00	25.78	340.00	9.79
50.00	23.54	350.00	9.74
60.00	22.72		
70.00	22.14		
80.00	21.45		
90.00	20.85		
100.00	20.39		
110.00	20.22		
120.00	19.75		
130.00	18.14		
140.00	17.12		
150.00	16.02		
160.00	15.19		
170.00	14.36		
180.00	13.94		
190.00	13.54		
200.00	12.43		
210.00	11.95		
220.00	11.68		
230.00	11.43		
240.00	11.09		
250.00	10.99		
260.00	10.91		
270.00	10.67		
280.00	10.45		
290.00	10.21		
300.00	10.11		

**Cruise:** GULFCET 02  
**Latitude:** 29° 24.96' N

**Station:** 14-142  
**Longitude:** 87° 29.87' W

**Probe Type:** T-10  
**Date:** 11-Aug-1992

**Time:** 1645

Depth (m)	Temp. (°C)
10.00	30.74
20.00	29.99
30.00	27.59
40.00	24.09
50.00	22.53
60.00	21.57
70.00	20.92
80.00	20.76
90.00	20.55
100.00	20.05
110.00	19.27
120.00	18.15
130.00	17.63
140.00	16.91
150.00	16.16
160.00	15.48
170.00	15.01
180.00	13.66
190.00	13.07

## **CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:**

**-DATA SUMMARY TABLES**

**-PLOTS OF TEMPERATURE, SALINITY, AND SOUND  
VELOCITY VERSUS DEPTH**

**- PLOTS OF TEMPERATURE VERSUS SALINITY FOR :  
ALL CTD STATIONS, LINES 11 AND 12 CTD STATIONS,  
OFFSHORE STATIONS (STATIONS AT THE 2000 M ISOBATH),  
INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT  
STATIONS 11-106 AND 12-125))**

**Cruise:** GULFCET 02  
**Date:** 23-Aug-92  
**Depth:** 1600 m  
**Barometer:** 30.03

**Station:** 02-010  
**Time:** 805  
**Wind Dir:** 130.0°  
**Air Temp Dry:** 23.3 °C

**Lat:** 26° 04.96' N  
**Wind Speed:** 7.0 m/s  
**Air Temp Wet:** 28.3 °C

**Long:** 92° 29.99' W  
**Wave Dir:** 90 °  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.126	29.124	36.088	22.841	501.10	.035	1545.07	5.263	.160	10.07
20	28.892	28.887	36.079	22.913	494.69	.086	1544.73	5.314	.164	20.14
30	26.865	26.858	36.006	23.521	436.96	.133	1540.34	5.822	.189	30.20
50	24.346	24.335	36.222	24.465	347.68	.210	1534.97	5.977	.228	50.34
75	23.197	23.182	36.269	24.840	312.90	.292	1532.59	5.609	.361	75.52
100	22.692	22.671	36.418	25.100	289.13	.367	1531.88	5.452	.404	100.69
125	22.339	22.314	36.397	25.185	282.01	.439	1531.37	5.168	.312	125.88
150	21.613	21.583	36.406	25.396	262.74	.508	1529.91	4.347	.228	151.06
200	19.191	19.154	36.504	26.123	195.16	.631	1524.25	3.639	.181	201.44
250	16.770	16.728	36.241	26.523	158.20	.720	1517.73	3.546	.106	251.83
300	14.697	14.652	35.934	26.760	136.50	.792	1511.80	3.443	.116	302.23
400	11.730	11.678	35.487	27.020	112.86	.917	1503.13	3.217	.122	403.07
500	9.805	9.746	35.214	27.153	100.98	1.024	1497.69	3.106	.128	503.96

**Cruise:** GULFCET 02  
**Date:** 23-Aug-92  
**Depth:** 1320 m  
**Barometer:** 30.01

**Station:** 02-013  
**Time:** 16  
**Wind Dir:** 140.0°  
**Air Temp Dry:** 27.2 °C

**Lat:** 26° 46.03' N  
**Wind Speed:** 8.0 m/s  
**Air Temp Wet:** 24.4 °C

**Long:** 95° 29.98' W  
**Wave Dir:** 140°  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.435	29.432	36.262	22.868	498.60	.045	1545.90	5.094	.160	10.07
20	29.432	29.427	36.263	22.869	498.87	.095	1546.07	5.093	.164	20.14
30	29.382	29.375	36.264	22.887	497.60	.146	1546.13	5.077	.172	30.20
50	25.693	25.682	36.317	24.125	380.20	.235	1538.30	5.891	.220	50.34
75	23.612	23.596	36.373	24.798	317.00	.320	1533.74	5.811	.335	75.52
100	22.750	22.730	36.404	25.073	291.76	.396	1532.02	5.535	.445	100.69
125	21.630	21.605	36.338	25.340	267.14	.467	1529.46	5.052	.325	125.88
150	20.328	20.300	36.333	25.693	234.36	.530	1526.37	4.834	.222	151.06
200	17.862	17.827	36.380	26.365	171.90	.632	1520.29	3.508	.141	201.44
250	15.883	15.843	36.114	26.633	147.46	.711	1514.88	3.517	.103	251.83
300	14.273	14.228	35.869	26.801	132.36	.782	1510.37	3.431	.110	302.23
400	11.681	11.629	35.481	27.025	112.38	.905	1502.96	3.207	.117	403.07
500	9.790	9.732	35.215	27.156	100.67	1.012	1497.64	2.935	.129	503.96

**Cruise:** GULFCET 02  
**Date:** 22-Aug-92  
**Depth:** 875 m  
**Barometer:** 30.01

**Station:** 02-015  
**Time:** 1637  
**Wind Dir:** 88.0 °  
**Air Temp Dry:** 27.5 °C

**Lat:** 27° 26.04' N  
**Wind Speed:** 3.5 m/s  
**Air Temp Wet:** 24.4 °C

**Long:** 95° 29.93' W  
**Wave Dir:** 70 °  
**Secchi Depth:** 30.5 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.290	29.288	36.431	23.044	481.73	.044	1545.77	4.938	.135	10.07
20	29.245	29.240	36.429	23.057	480.91	.093	1545.85	4.922	.143	20.14
30	29.082	29.074	36.418	23.104	476.87	.141	1545.66	5.002	.152	30.20
50	24.731	24.720	36.348	24.444	349.73	.221	1536.04	5.783	.198	50.34
75	22.828	22.812	36.359	25.016	296.16	.301	1531.75	5.547	.383	75.52
100	21.340	21.321	36.311	25.400	260.48	.372	1528.24	5.092	.503	100.69
125	20.237	20.213	36.468	25.820	221.33	.433	1525.85	4.041	.300	125.88
150	18.810	18.782	36.490	26.211	184.99	.483	1522.31	3.521	.228	151.06
200	16.444	16.411	36.199	26.567	152.27	.567	1515.86	3.353	.136	201.44
250	14.736	14.698	35.943	26.758	135.18	.639	1511.10	3.328	.106	251.83
300	13.083	13.040	35.684	26.907	121.77	.704	1506.26	3.212	.110	302.23
400	10.605	10.555	35.335	27.108	103.73	.817	1499.03	3.037	.121	403.07
500	9.044	8.988	35.123	27.208	95.07	.917	1494.81	3.078	.124	503.96

**Cruise:** GULFCET 02      **Station:** 02-020  
**Date:** 22-Aug-92      **Time:** 1235      **Lat:** 27° 46.94' N      **Long:** 95° 30.00' W  
**Depth:** 96 m      **Wind Dir:** 45.0 °      **Wind Speed:** 4.6 m/s      **Wave Dir:** 45 °  
**Barometer:** 30.06      **Air Temp Dry:** 29.4 °C      **Air Temp Wet:** 25.0 °C      **Secchi Depth:** 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	28.520	28.518	36.170	23.105	475.87	.044	1543.85	5.119	.132	10.07
20	28.353	28.348	36.178	23.167	470.44	.091	1543.67	5.138	.149	20.14
30	24.932	24.926	36.293	24.341	358.74	.131	1536.13	5.866	.177	30.20
50	23.145	23.134	36.385	24.944	302.04	.196	1532.16	5.631	.286	50.34
75	21.087	21.073	36.368	25.513	248.76	.266	1527.21	4.653	.746	75.52

**Cruise:** GULFCET 02      **Station:** 03-021  
**Date:** 22-Aug-92      **Time:** 655      **Lat:** 27° 56.04' N      **Long:** 94° 49.99' W  
**Depth:** 102 m      **Wind Dir:** 70.0 °      **Wind Speed:** 2.0 m/s      **Wave Dir:** 90 °  
**Barometer:** 30.05      **Air Temp Dry:** 26.1 °C      **Air Temp Wet:** 23.3 °C      **Secchi Depth:** 28 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	28.429	28.427	36.145	23.117	474.78	.038	1543.63	5.071	.163	10.07
20	25.869	25.865	36.339	24.087	382.62	.083	1538.23	5.715	.173	20.14
30	23.885	23.879	36.367	24.713	323.32	.119	1533.66	5.774	.190	30.20
50	20.741	20.731	36.365	25.606	238.99	.177	1525.85	4.798	.584	50.34
75	19.101	19.087	36.335	26.017	200.72	.230	1521.70	3.946	.511	75.52
100	18.518	18.500	36.373	26.195	184.64	.277	1520.51	3.426	.457	100.69

**Cruise:** GULFCET 02      **Station:** 03-026  
**Date:** 22-Aug-92      **Time:** 13      **Lat:** 27° 26.01' N      **Long:** 94° 49.90' W  
**Depth:** 905 m      **Wind Dir:** 100.0°      **Wind Speed:** 3.0 m/s      **Wave Dir:** 270°  
**Barometer:** 30.01      **Air Temp Dry:** 27.2 °C      **Air Temp Wet:** 23.9 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.156	29.153	36.411	23.074	478.87	.039	1545.47	5.039		10.07
20	29.150	29.145	36.411	23.076	479.11	.087	1545.63	5.004		20.14
30	27.028	27.021	36.447	23.801	410.25	.133	1541.18	5.576		30.20
50	23.901	23.890	36.417	24.746	321.00	.206	1534.08	5.875		50.34
75	22.213	22.197	36.370	25.201	278.55	.280	1530.18	5.352		75.52
100	20.584	20.565	36.356	25.641	237.48	.345	1526.26	4.510		100.69
125	19.123	19.100	36.537	26.166	188.38	.397	1522.83	3.737		125.88
150	17.886	17.859	36.436	26.402	166.66	.441	1519.59	3.865		151.06
200	15.643	15.611	36.080	26.661	143.15	.520	1513.27	3.540		201.44
250	13.971	13.934	35.823	26.831	128.03	.589	1508.51	3.436		251.83
300	12.696	12.655	35.637	26.948	117.66	.651	1504.92	3.337		302.23
400	10.591	10.542	35.321	27.100	104.50	.762	1498.96	3.165		403.07
500	8.935	8.879	35.104	27.210	94.73	.862	1494.38	3.099		503.96

**Cruise:** GULFCET 02  
**Date:** 21-Aug-92  
**Depth:** 1420 m  
**Barometer:** 30.02

**Station:** 03-029  
**Time:** 1838  
**Wind Dir:** 93.0 °  
**Air Temp Dry:** 26.6 °C

**Lat:** 26° 45.97' N  
**Wind Speed:** 4.6 m/s  
**Air Temp Wet:** 23.9 °C

**Long:** 94° 49.93' W  
**Wave Dir:** 95 °  
**Secchi Depth:** 27 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.395	29.392	36.134	22.785	506.45	.046	1545.68	4.817		10.07
20	29.329	29.324	36.156	22.824	503.17	.097	1545.74	4.821		20.14
30	29.517	29.510	36.531	23.042	482.78	.146	1546.70	4.800		30.20
50	25.336	25.325	36.375	24.279	365.47	.234	1537.52	5.598		50.34
75	23.455	23.440	36.370	24.842	312.77	.318	1533.35	5.583		75.52
100	22.860	22.839	36.402	25.039	294.94	.394	1532.30	5.413		100.69
125	21.939	21.914	36.335	25.251	275.64	.466	1530.27	5.154		125.88
150	20.693	20.664	36.336	25.596	243.61	.532	1527.37	4.770		151.06
200	18.735	18.699	36.534	26.264	181.72	.637	1522.99	3.776		201.44
250	16.029	15.989	36.157	26.632	147.61	.721	1515.38	3.480		251.83
300	14.063	14.019	35.838	26.822	130.28	.790	1509.66	3.466		302.23
400	11.639	11.587	35.481	27.032	111.62	.911	1502.81	3.305		403.07
500	9.870	9.811	35.220	27.147	101.64	1.018	1497.93	3.257		503.96
600	8.442	8.377	35.050	27.246	92.71	1.116	1494.15	3.313		604.90
700	7.166	7.096	34.943	27.351	82.88	1.205	1490.84	3.560		705.89
800	6.319	6.244	34.911	27.441	74.54	1.284	1489.17	3.918		806.92
900	5.543	5.464	34.918	27.545	64.70	1.354	1487.76	4.355		908.01
1000	5.063	4.978	34.934	27.615	58.32	1.417	1487.52	4.712		1009.14

**Cruise:** GULFCET 02  
**Date:** 21-Aug-92  
**Depth:** 2000 m  
**Barometer:** 30.08

**Station:** 03-030  
**Time:** 1307  
**Wind Dir:** 355.0 °  
**Air Temp Dry:** 24.4 °C

**Lat:** 26° 17.02' N  
**Wind Speed:** 6.5 m/s  
**Air Temp Wet:** 23.9 °C

**Long:** 94° 50.13' W  
**Wave Dir:** 0 °  
**Secchi Depth:** 17 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.184	29.182	36.117	22.843	500.92	.045	1545.22	4.839		10.07
20	29.184	29.179	36.119	22.845	501.13	.096	1545.39	4.855		20.14
30	29.143	29.135	36.110	22.852	500.92	.146	1545.46	4.826		30.20
50	25.247	25.236	36.334	24.276	365.74	.229	1537.27	5.591		50.34
75	23.406	23.390	36.389	24.871	310.04	.313	1533.24	5.568		75.52
100	22.709	22.689	36.383	25.069	292.10	.389	1531.89	5.322		100.69
125	22.251	22.226	36.376	25.194	281.10	.461	1531.12	5.190		125.88
150	21.011	20.982	36.335	25.509	251.91	.529	1528.23	4.735		151.06
200	18.318	18.283	36.441	26.298	178.32	.635	1521.69	3.480		201.44
250	16.100	16.059	36.145	26.606	150.09	.716	1515.59	3.401		251.83
300	14.335	14.290	35.879	26.796	132.92	.787	1510.58	3.339		302.23
400	11.720	11.667	35.495	27.028	112.12	.909	1503.11	3.208		403.07
500	9.730	9.671	35.199	27.154	100.84	1.016	1497.40	3.198		503.96
600	8.261	8.197	35.034	27.261	91.08	1.113	1493.45	3.214		604.90
700	7.054	6.985	34.933	27.359	81.93	1.201	1490.39	3.468		705.89
800	6.188	6.114	34.906	27.455	73.07	1.279	1488.64	3.888		806.92
900	5.637	5.557	34.912	27.529	66.42	1.349	1488.13	4.164		908.01
1000	5.142	5.056	34.928	27.601	59.81	1.413	1487.83	4.470		1009.14



Cruise: GULFCET 02  
 Date: 21-Aug-92  
 Depth: 2000 m  
 Barometer: 30.05

Station: 04-031  
 Time: 809  
 Wind Dir: 100.0°  
 Air Temp Dry: 23.8 °C

Lat: 26° 16.92' N  
 Wind Speed: 6.0 m/s  
 Air Temp Wet: 23.3 °C

Long: 94° 09.99' W  
 Wave Dir: 170°  
 Secchi Depth: 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	28.865	28.863	36.439	23.192	467.55	.043	1544.88	5.267		10.07
20	28.864	28.860	36.442	23.195	467.73	.090	1545.05	5.159		20.14
30	28.850	28.843	36.449	23.205	467.23	.137	1545.20	5.141		30.20
50	25.147	25.136	36.300	24.281	365.31	.222	1536.99	5.969		50.34
75	23.240	23.225	36.373	24.907	306.57	.305	1532.81	5.838		75.52
100	21.668	21.648	36.357	25.344	265.81	.379	1529.16	5.312		100.69
125	19.659	19.636	36.476	25.980	206.13	.438	1524.27	3.873		125.88
150	18.315	18.289	36.462	26.315	175.01	.486	1520.86	3.665		151.06
200	16.110	16.077	36.151	26.609	148.27	.567	1514.79	3.588		201.44
250	14.460	14.422	35.895	26.781	132.89	.637	1510.16	3.499		251.83
300	12.903	12.861	35.675	26.936	118.94	.701	1505.66	3.395		302.23
400	10.652	10.603	35.334	27.099	104.62	.812	1499.19	3.308		403.07
500	9.002	8.946	35.111	27.205	95.29	.913	1494.64	3.321		503.96
600	7.754	7.692	34.984	27.298	86.99	1.005	1491.48	3.484		604.90
700	6.660	6.593	34.925	27.406	76.91	1.087	1488.85	3.820		705.89
800	5.891	5.819	34.906	27.493	68.98	1.161	1487.47	4.225		806.92
900	5.458	5.379	34.916	27.554	63.71	1.228	1487.42	4.403		908.01
1000	5.111	5.025	34.928	27.605	59.39	1.290	1487.71	4.614		1009.14

Cruise: GULFCET 02  
 Date: 21-Aug-92  
 Depth: 1350 m  
 Barometer: 30.00

Station: 04-033  
 Time: 304  
 Wind Dir: 170.0°  
 Air Temp Dry: 27.2 °C

Lat: 26° 45.92' N  
 Wind Speed: 2.0 m/s  
 Air Temp Wet: 23.3 °C

Long: 94° 09.93' W  
 Wave Dir: Z °  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	28.911	28.908	36.485	23.212	465.69	.037	1545.02	5.206		10.07
20	28.913	28.908	36.485	23.212	466.16	.084	1545.20	5.167		20.14
30	28.888	28.880	36.485	23.220	465.81	.131	1545.31	5.161		30.20
50	24.487	24.477	36.315	24.493	345.04	.209	1535.42	6.045		50.34
75	22.576	22.560	36.351	25.083	289.80	.288	1531.09	5.768		75.52
100	21.129	21.109	36.287	25.441	256.61	.357	1527.65	5.460		100.69
125	19.416	19.393	36.466	26.036	200.81	.414	1523.58	3.822		125.88
150	17.879	17.853	36.390	26.368	169.84	.460	1519.52	3.680		151.06
200	15.981	15.949	36.140	26.630	146.21	.539	1514.38	3.629		201.44
250	14.249	14.212	35.875	26.812	129.93	.609	1509.46	3.544		251.83
300	12.877	12.835	35.655	26.927	119.82	.672	1505.55	3.460		302.23
400	10.653	10.603	35.330	27.096	104.89	.784	1499.19	3.332		403.07
500	8.961	8.906	35.117	27.216	94.18	.884	1494.49	3.391		503.96
600	7.597	7.536	34.968	27.309	85.76	.975	1490.86	3.573		604.90
700	6.503	6.437	34.915	27.420	75.44	1.057	1488.23	3.956		705.89
800	5.709	5.638	34.914	27.522	65.95	1.128	1486.75	4.381		806.92
900	5.083	5.007	34.931	27.611	57.65	1.190	1485.92	4.857		908.01
1000	4.667	4.585	34.950	27.674	51.96	1.246	1485.92	5.264		1009.14

**Cruise:** GULFCET 02  
**Date:** 20-Aug-92  
**Depth:** 826 m  
**Barometer:** 30.01

**Station:** 04-036  
**Time:** 2045  
**Wind Dir:** 98.0 °  
**Air Temp Dry:** 23.8 °C

**Lat:** 27° 26.06' N  
**Wind Speed:** 2.6 m/s  
**Air Temp Wet:** 19.5 °C

**Long:** 94° 10.12' W  
**Wave Dir:** Z °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	28.606	28.604	36.013	22.958	489.91	.044	1543.87	5.099		10.07
20	28.490	28.485	36.257	23.181	469.09	.093	1544.05	5.065		20.14
30	25.499	25.493	36.212	24.106	381.18	.136	1537.40	5.826		30.20
50	22.888	22.878	36.377	25.013	295.53	.203	1531.50	5.631		50.34
75	19.810	19.796	36.390	25.874	214.38	.269	1523.75	4.202		75.52
100	17.302	17.285	36.313	26.450	160.28	.314	1516.89	3.550		100.69
125	15.905	15.885	36.126	26.637	143.16	.352	1512.88	3.533		125.88
150	14.975	14.952	35.977	26.732	134.74	.387	1510.23	3.477		151.06
200	13.385	13.356	35.733	26.883	121.41	.451	1505.65	3.478		201.44
250	12.146	12.113	35.531	26.974	113.66	.510	1502.11	3.584		251.83
300	11.163	11.125	35.394	27.053	106.92	.566	1499.40	3.539		302.23
400	9.597	9.551	35.192	27.171	97.05	.669	1495.25	3.349		403.07
500	8.104	8.052	35.018	27.273	87.99	.762	1491.18	3.444		503.96
600	7.130	7.072	34.949	27.360	80.35	.847	1489.04	3.656		604.90
700	6.306	6.241	34.915	27.446	72.67	.925	1487.45	3.939		705.89
800	5.755	5.684	34.912	27.514	66.70	.994	1486.93	4.297		806.92

**Cruise:** GULFCET 02  
**Date:** 20-Aug-92  
**Depth:** 95 m  
**Barometer:** 30.02

**Station:** 04-042  
**Time:** 1435  
**Wind Dir:** 261.0°  
**Air Temp Dry:** 26.6 °C

**Lat:** 27° 53.97' N  
**Wind Speed:** 2.4 m/s  
**Air Temp Wet:** 22.8 °C

**Long:** 94° 09.94' W  
**Wave Dir:** 100°  
**Secchi Depth:** 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.000	28.997	35.884	22.730	511.71	.047	1544.58	5.094		10.07
20	28.795	28.790	36.044	22.919	494.06	.098	1544.48	5.232		20.14
30	25.437	25.430	36.179	24.100	381.73	.142	1537.21	5.858		30.20
50	21.437	21.428	36.261	25.335	264.75	.207	1527.60	5.653		50.34
75	19.928	19.914	36.245	25.733	227.81	.268	1523.92	4.776		75.52

**Cruise:** GULFCET 02  
**Date:** 20-Aug-92  
**Depth:** 93 m  
**Barometer:** 30.07

**Station:** 05-043  
**Time:** 1013  
**Wind Dir:** 230.0°  
**Air Temp Dry:** 24.4 °C

**Lat:** 28° 00.01' N  
**Wind Speed:** 8.0 m/s  
**Air Temp Wet:** 23.9 °C

**Long:** 93° 30.06' W  
**Wave Dir:** 250°  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.287	29.284	34.851	21.859	595.10	.054	1544.11	5.253		10.07
20	29.877	29.872	35.578	22.204	562.43	.113	1546.28	5.249		20.14
30	28.466	28.458	36.084	23.059	481.18	.165	1543.98	5.390		30.20
50	22.227	22.217	36.289	25.135	283.86	.238	1529.70	5.679		50.34
75	19.800	19.786	36.229	25.753	225.82	.303	1523.54	4.411		75.52

Cruise: GULFCET 02  
 Date: 20-Aug-92  
 Depth: 578 m  
 Barometer: 30.01

Station: 05-047  
 Time: 349  
 Wind Dir: 140.0°  
 Air Temp Dry: 26.6 °C

Lat: 27° 25.99' N  
 Wind Speed: 4.0 m/s  
 Air Temp Wet: 23.9 °C

Long: 93° 30.00' W  
 Wave Dir: 180°  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.225	29.223	36.130	22.839	501.31	.047	1545.32	5.232		10.07
20	29.155	29.150	36.168	22.891	496.76	.097	1545.38	5.180		20.14
30	25.172	25.165	36.269	24.250	367.41	.139	1536.68	6.046		30.20
50	22.471	22.460	36.365	25.123	284.98	.202	1530.42	5.870		50.34
75	20.389	20.374	36.361	25.698	231.14	.267	1525.31	4.725		75.52
100	18.041	18.023	36.380	26.321	172.68	.316	1519.14	3.583		100.69
125	17.020	16.999	36.298	26.507	155.70	.358	1516.46	3.924		125.88
150	15.536	15.512	36.073	26.681	139.73	.395	1512.09	3.923		151.06
200	13.740	13.712	35.777	26.843	125.33	.461	1506.87	3.806		201.44
250	12.576	12.542	35.593	26.938	117.25	.522	1503.63	3.636		251.83
300	11.409	11.371	35.433	27.038	108.49	.579	1500.30	3.550		302.23
400	9.249	9.204	35.130	27.180	95.86	.682	1493.90	3.442		403.07
500	7.982	7.930	35.001	27.277	87.45	.774	1490.70	3.639		503.96

Cruise: GULFCET 02  
 Date: 19-Aug-92  
 Depth: 1470 m  
 Barometer:

Station: 05-050  
 Time: 2020  
 Wind Dir: °  
 Air Temp Dry: °C

Lat: 26° 46.04' N  
 Wind Speed: m/s  
 Air Temp Wet: °C

Long: 93° 30.06' W  
 Wave Dir: °  
 Secchi Depth: m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.368	29.365	36.015	22.705	514.18	.047	1545.50	5.025		10.07
20	29.331	29.326	36.052	22.746	510.69	.099	1545.63	4.995		20.14
30	26.923	26.916	36.179	23.632	426.36	.147	1540.66	5.631		30.20
50	23.342	23.332	36.268	24.798	316.01	.219	1532.53	5.819		50.34
75	21.121	21.106	36.229	25.398	259.72	.291	1527.14	5.761		75.52
100	19.682	19.664	36.330	25.862	216.42	.352	1523.75	4.451		100.69
125	17.940	17.918	36.364	26.333	172.32	.401	1519.24	3.473		125.88
150	15.727	15.703	36.078	26.641	143.52	.440	1512.69	3.482		151.06
200	12.958	12.930	35.678	26.928	117.08	.504	1504.18	3.587		201.44
250	10.765	10.734	35.346	27.088	102.26	.559	1497.11	3.629		251.83
300	9.028	8.995	35.137	27.222	89.81	.607	1491.44	3.689		302.23
400	7.614	7.574	34.985	27.320	81.38	.692	1487.61	3.713		403.07
500	6.740	6.693	34.927	27.397	74.87	.771	1485.84	3.969		503.96
600	6.196	6.142	34.911	27.458	70.01	.844	1485.35	4.174		604.90
700	5.756	5.694	34.912	27.514	65.40	.912	1485.27	4.396		705.89
800	5.322	5.253	34.925	27.577	60.03	.975	1485.21	4.636		806.92
900	5.165	5.088	34.929	27.600	58.85	1.036	1486.25	4.733		908.01
1000	4.893	4.809	34.950	27.648	54.88	1.094	1486.85	6.421		1009.14

Cruise: GULFCET 02  
 Date: 19-Aug-92  
 Depth: 2000 m  
 Barometer: 30.08

Station: 05-053  
 Time: 1316  
 Wind Dir: 228.0°  
 Air Temp Dry: 31.6 °C

Lat: 26° 10.00' N  
 Wind Speed: 2.0 m/s  
 Air Temp Wet: 26.7 °C

Long: 93° 29.90' W  
 Wave Dir: 155°  
 Secchi Depth: 23 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.656	29.653	35.952	22.560	528.00	.048	1546.04	4.817		10.07
20	29.686	29.681	36.073	22.641	520.70	.101	1546.40	4.808		20.14
30	29.500	29.492	36.282	22.861	500.08	.153	1546.40	4.854		30.20
50	25.187	25.176	36.352	24.308	362.73	.238	1537.14	5.652		50.34
75	23.200	23.184	36.384	24.927	304.66	.323	1532.72	5.527		75.52
100	20.745	20.726	36.320	25.570	244.23	.391	1526.65	4.751		100.69
125	19.624	19.601	36.512	26.016	202.70	.447	1524.21	3.556		125.88
150	17.709	17.683	36.375	26.398	166.96	.492	1519.00	3.444		151.06
200	15.335	15.304	36.043	26.702	139.18	.569	1512.27	3.435		201.44
250	13.719	13.682	35.787	26.856	125.51	.635	1507.64	3.321		251.83
300	12.141	12.101	35.535	26.978	114.57	.696	1502.93	3.213		302.23
400	10.106	10.058	35.269	27.144	99.93	.804	1497.17	3.221		403.07
500	8.463	8.409	35.062	27.252	90.35	.900	1492.58	3.263		503.96
600	7.355	7.295	34.960	27.338	82.76	.987	1489.92	3.468		604.90
700	6.553	6.487	34.923	27.419	75.55	1.067	1488.43	3.684		705.89
800	5.878	5.806	34.911	27.498	68.46	1.139	1487.42	4.026		806.92
900	5.397	5.319	34.921	27.566	62.48	1.205	1487.18	4.365		908.01
1000	5.054	4.968	34.934	27.617	58.15	1.266	1487.48	4.550		1009.14

**Cruise:** GULFCET 02  
**Date:** 19-Aug-92  
**Depth:** 2000 m  
**Barometer:** 30.07

**Station:** 06-054  
**Time:** 710  
**Wind Dir:** 230.0°  
**Air Temp Dry:** 28.0 °C

**Lat:** 26° 13.95' N  
**Wind Speed:** 3.8 m/s  
**Air Temp Wet:** 22.8 °C

**Long:** 92° 49.87' W  
**Wave Dir:** 180°  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.396	29.393	36.146	22.794	505.64	.046	1545.70	5.004		10.07
20	29.376	29.371	36.392	22.985	487.78	.096	1546.08	4.990		20.14
30	29.310	29.303	36.467	23.064	480.69	.145	1546.19	5.016		30.20
50	25.312	25.301	36.463	24.354	358.39	.227	1537.56	5.776		50.34
75	23.318	23.302	36.435	24.931	304.25	.309	1533.07	5.852		75.52
100	22.385	22.365	36.373	25.154	284.00	.383	1531.05	5.631		100.69
125	20.827	20.803	36.279	25.517	250.25	.450	1527.25	5.606		125.88
150	20.117	20.089	36.420	25.815	222.72	.511	1525.89	4.450		151.06
200	17.532	17.498	36.345	26.420	166.60	.606	1519.28	3.580		201.44
250	15.107	15.068	36.017	26.733	137.68	.683	1512.36	3.570		251.83
300	13.210	13.168	35.719	26.908	121.71	.748	1506.73	3.431		302.23
400	10.995	10.944	35.386	27.077	106.89	.863	1500.46	3.372		403.07
500	9.214	9.157	35.140	27.194	96.55	.965	1495.45	3.398		503.96
600	7.892	7.829	35.006	27.295	87.42	1.059	1492.03	3.502		604.90
700	6.838	6.770	34.925	27.382	79.42	1.143	1489.55	3.820		705.89
800	6.088	6.015	34.907	27.468	71.64	1.220	1488.25	4.183		806.92
900	5.491	5.412	34.916	27.550	64.12	1.288	1487.55	4.512		908.01
1000	5.145	5.059	34.928	27.601	59.84	1.350	1487.84	4.728		1009.14

**Cruise:** GULFCET 02  
**Date:** 19-Aug-92  
**Depth:** 1745 m  
**Barometer:** 30.07

**Station:** 06-055  
**Time:** 12  
**Wind Dir:** 160.0°  
**Air Temp Dry:** 27.7 °C

**Lat:** 26° 46.10' N  
**Wind Speed:** 5.2 m/s  
**Air Temp Wet:** 25.0 °C

**Long:** 92° 49.94' W  
**Wave Dir:** 130°  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.737	29.735	35.711	22.352	547.93	.053	1545.96	5.069		10.07
20	29.669	29.664	36.125	22.685	516.45	.107	1546.42	5.097		20.14
30	27.242	27.235	36.198	23.545	434.73	.154	1541.40	5.615		30.20
50	23.745	23.734	36.319	24.718	323.62	.230	1533.59	5.920		50.34
75	21.114	21.100	36.320	25.469	252.96	.301	1527.22	5.173		75.52
100	19.287	19.269	36.410	26.027	200.75	.359	1522.73	3.877		100.69
125	17.641	17.619	36.340	26.389	166.99	.404	1518.34	3.527		125.88
150	16.274	16.250	36.178	26.591	148.37	.444	1514.49	3.615		151.06
200	14.494	14.464	35.922	26.795	130.18	.514	1509.47	3.547		201.44
250	13.101	13.065	35.695	26.912	119.99	.577	1505.50	3.463		251.83
300	11.848	11.809	35.504	27.010	111.38	.636	1501.89	3.413		302.23
400	9.924	9.876	35.234	27.148	99.42	.741	1496.48	3.376		403.07
500	8.390	8.337	35.047	27.251	90.32	.837	1492.29	3.420		503.96
600	7.319	7.259	34.951	27.336	82.88	.924	1489.77	3.613		604.90
700	6.481	6.415	34.917	27.424	74.95	1.004	1488.14	3.912		705.89
800	5.836	5.764	34.911	27.504	67.84	1.076	1487.25	4.196		806.92
900	5.411	5.333	34.920	27.563	62.76	1.142	1487.24	4.516		908.01
1000	5.058	4.973	34.933	27.615	58.34	1.203	1487.50	5.580		1009.14

Cruise: GULFCET 02  
 Date: 18-Aug-92  
 Depth: 1035 m  
 Barometer: 30.04

Station: 06-059  
 Time: 1649  
 Wind Dir: 192.3°  
 Air Temp Dry: °C

Lat: 27° 25.95' N  
 Wind Speed: 1.8 m/s  
 Air Temp Wet: °C

Long: 92° 49.97' W  
 Wave Dir: 140°  
 Secchi Depth: 22 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.101	29.098	36.121	22.874	497.93	.046	1545.05	4.897		10.07
20	28.996	28.991	36.075	22.876	498.26	.096	1544.95	4.932		20.14
30	25.202	25.196	36.231	24.212	371.09	.138	1536.71	5.722		30.20
50	21.448	21.438	36.368	25.414	257.31	.199	1527.75	5.433		50.34
75	19.731	19.717	36.475	25.960	206.23	.256	1523.63	3.708		75.52
100	18.036	18.018	36.397	26.335	171.34	.303	1519.14	3.463		100.69
125	16.751	16.730	36.244	26.530	153.45	.344	1515.59	3.509		125.88
150	15.589	15.565	36.074	26.669	140.85	.381	1512.26	3.515		151.06
200	13.849	13.820	35.801	26.839	125.76	.447	1507.25	3.427		201.44
250	12.239	12.205	35.544	26.966	114.47	.507	1502.44	3.586		251.83
300	11.280	11.242	35.403	27.038	108.42	.564	1499.81	3.440		302.23
400	9.326	9.281	35.135	27.171	96.76	.665	1494.19	3.441		403.07
500	8.020	7.968	34.999	27.270	88.14	.758	1490.84	3.410		503.96
600	6.973	6.915	34.923	27.362	79.96	.843	1488.40	3.594		604.90
700	6.155	6.091	34.904	27.458	71.35	.919	1486.84	3.912		705.89
800	5.707	5.636	34.913	27.521	65.99	.988	1486.74	4.139		806.92
900	5.393	5.314	34.922	27.567	62.40	1.053	1487.16	4.333		908.01
1000	5.064	4.979	34.934	27.616	58.29	1.114	1487.52	4.609		1009.14

Cruise: GULFCET 02  
 Date: 18-Aug-92  
 Depth: 99 m  
 Barometer: 30.09

Station: 06-064  
 Time: 1038  
 Wind Dir: 216.2°  
 Air Temp Dry: 28.3 °C

Lat: 28° 01.95' N  
 Wind Speed: 3.9 m/s  
 Air Temp Wet: 25.0 °C

Long: 92° 50.00' W  
 Wave Dir: 180°  
 Secchi Depth: 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.435	29.432	35.308	22.151	567.09	.052	1544.90	4.915		10.07
20	29.454	29.449	35.594	22.360	547.57	.108	1545.41	4.986		20.14
30	26.224	26.217	35.985	23.708	419.12	.156	1538.85	5.583		30.20
50	21.695	21.685	36.208	25.223	275.44	.225	1528.22	5.506		50.34
75	19.674	19.660	36.346	25.876	214.17	.286	1523.32	4.287		75.52

Cruise: GULFCET 02  
 Date: 18-Aug-92  
 Depth: 103 m  
 Barometer: 30.06

Station: 07-065  
 Time: 622  
 Wind Dir: 182.0°  
 Air Temp Dry: Y °C

Lat: 28° 02.04' N  
 Wind Speed: 5.0 m/s  
 Air Temp Wet: Y °C

Long: 92° 09.96' W  
 Wave Dir: MIX°  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.416	29.414	34.409	21.483	631.08	.051	1543.92	4.900		10.07
20	29.559	29.553	35.770	22.457	538.30	.109	1545.82	4.972		20.14
30	26.661	26.654	36.060	23.626	426.91	.157	1539.94	5.473		30.20
50	23.098	23.088	36.365	24.942	302.21	.229	1532.02	5.563		50.34
75	20.357	20.343	36.403	25.739	227.28	.294	1525.27	4.626		75.52
100	18.570	18.552	36.376	26.184	185.68	.345	1520.66	3.592		100.69

Cruise: GULFCET 02  
 Date: 17-Aug-92  
 Depth: 814 m  
 Barometer: 29.99

Station: 07-071  
 Time: 2338  
 Wind Dir: 164.0°  
 Air Temp Dry: °C

Lat: 27° 26.01' N  
 Wind Speed: 3.2 m/s  
 Air Temp Wet: °C

Long: 92° 09.93' W  
 Wave Dir: 145°  
 Secchi Depth: 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.237	29.234	36.071	22.791	505.88	.046	1545.28	4.786		10.07
20	28.562	28.558	36.232	23.138	473.16	.096	1544.18	4.951		20.14
30	25.693	25.686	36.298	24.111	380.71	.139	1537.94	5.541		30.20
50	22.039	22.029	36.275	25.178	279.79	.204	1529.20	5.405		50.34
75	20.036	20.022	36.369	25.799	221.57	.267	1524.35	4.442		75.52
100	18.539	18.521	36.437	26.239	180.50	.316	1520.64	3.405		100.69
125	17.329	17.308	36.324	26.452	160.91	.359	1517.40	3.464		125.88
150	16.358	16.334	36.185	26.577	149.74	.398	1514.75	3.436		151.06
200	14.732	14.702	35.935	26.753	134.17	.469	1510.24	3.404		201.44
250	13.421	13.385	35.746	26.886	122.59	.534	1506.62	3.335		251.83
300	11.828	11.788	35.508	27.017	110.69	.592	1501.83	3.281		302.23
400	9.927	9.880	35.232	27.146	99.62	.698	1496.49	3.171		403.07
500	8.250	8.197	35.012	27.246	90.69	.794	1491.72	3.309		503.96
600	7.292	7.233	34.945	27.335	82.97	.882	1489.66	3.394		604.90
700	6.159	6.095	34.906	27.458	71.30	.960	1486.86	3.805		705.89

Cruise: GULFCET 02  
 Date: 17-Aug-92  
 Depth: 1800 m  
 Barometer: 30.02

Station: 07-073  
 Time: 1620  
 Wind Dir: 106.2°  
 Air Temp Dry: °C

Lat: 26° 45.99' N  
 Wind Speed: 3.2 m/s  
 Air Temp Wet: °C

Long: 92° 09.98' W  
 Wave Dir: Z °  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.555	29.553	36.168	22.757	509.21	.046	1546.06	4.648		10.07
20	29.540	29.535	36.171	22.764	508.91	.098	1546.20	4.600		20.14
30	29.040	29.033	36.219	22.968	489.83	.149	1545.36	4.777		30.20
50	25.411	25.400	36.344	24.233	369.84	.231	1537.67	5.422		50.34
75	23.433	23.417	36.390	24.863	310.73	.315	1533.31	5.400		75.52
100	22.556	22.536	36.389	25.117	287.54	.390	1531.50	5.136		100.69
125	20.605	20.581	36.302	25.595	242.83	.457	1526.67	4.645		125.88
150	19.804	19.776	36.520	25.975	207.53	.515	1525.14	3.557		151.06
200	16.683	16.650	36.241	26.544	154.56	.604	1516.63	3.502		201.44
250	15.002	14.964	35.980	26.729	138.08	.677	1511.99	3.400		251.83
300	13.358	13.315	35.737	26.892	123.31	.743	1507.24	3.276		302.23
400	10.960	10.910	35.375	27.075	107.09	.857	1500.33	3.189		403.07
500	9.253	9.196	35.146	27.192	96.79	.960	1495.60	3.141		503.96
600	7.799	7.737	34.988	27.295	87.37	1.052	1491.65	3.259		604.90
700	6.712	6.645	34.918	27.394	78.13	1.135	1489.05	3.526		705.89
800	6.014	5.941	34.908	27.479	70.51	1.211	1487.96	3.914		806.92
900	5.505	5.425	34.915	27.548	64.37	1.279	1487.60	4.146		908.01
1000	5.102	5.017	34.929	27.607	59.21	1.341	1487.67	4.483		1009.14

Cruise: GULFCET 02  
 Date: 17-Aug-92  
 Depth: 2000 m  
 Barometer: 30.05

Station: 07-075  
 Time: 1104  
 Wind Dir: 11.0 °  
 Air Temp Dry: 26.9 °C

Lat: 26° 16.90' N  
 Wind Speed: 1.3 m/s  
 Air Temp Wet: 22.8 °C

Long: 92° 10.05' W  
 Wave Dir: 210°  
 Secchi Depth: 31 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.714	29.711	36.278	22.785	506.48	.046	1546.50	4.952		10.07
20	29.715	29.710	36.279	22.786	506.85	.097	1546.68	4.902		20.14
30	28.744	28.736	36.261	23.099	477.29	.147	1544.77	5.274		30.20
50	27.291	27.279	36.319	23.620	428.41	.238	1541.98	5.212		50.34
75	25.131	25.115	36.432	24.386	356.32	.338	1537.52	5.705		75.52
100	23.334	23.313	36.450	24.938	304.60	.420	1533.55	5.600		100.69
125	22.813	22.788	36.455	25.093	290.75	.494	1532.66	5.374		125.88
150	21.367	21.337	36.373	25.440	258.58	.565	1529.22	4.788		151.06
200	18.303	18.268	36.448	26.307	177.48	.670	1521.65	3.514		201.44
250	16.050	16.009	36.139	26.614	149.35	.751	1515.43	3.534		251.83
300	14.224	14.180	35.866	26.810	131.56	.822	1510.21	3.456		302.23
400	11.368	11.317	35.430	27.043	110.38	.942	1501.82	3.490		403.07
500	9.354	9.297	35.145	27.174	98.53	1.047	1495.97	3.401		503.96
600	7.961	7.898	34.999	27.279	89.00	1.142	1492.28	3.515		604.90
700	6.824	6.756	34.918	27.379	79.75	1.228	1489.48	3.774		705.89
800	6.093	6.020	34.908	27.468	71.62	1.304	1488.27	4.113		806.92
900	5.630	5.550	34.915	27.532	66.09	1.374	1488.11	4.378		908.01
1000	5.044	4.959	34.934	27.618	58.07	1.437	1487.44	4.811		1009.14

Cruise: GULFCET 02  
 Date: 17-Aug-92  
 Depth: 2000 m  
 Barometer: 29.97

Station: 08-076  
 Time: 500  
 Wind Dir: 117.0°  
 Air Temp Dry: 27.2 °C

Lat: 26° 37.02' N  
 Wind Speed: 3.5 m/s  
 Air Temp Wet: 23.9 °C

Long: 91° 30.01' W  
 Wave Dir: 180°  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.643	29.641	36.282	22.812	503.90	.046	1546.36	4.767		10.07
20	29.646	29.642	36.286	22.814	504.12	.096	1546.54	4.774		20.14
30	28.493	28.486	36.248	23.173	470.30	.145	1544.22	5.098		30.20
50	26.821	26.810	36.244	23.715	419.36	.233	1540.84	5.160		50.34
75	26.077	26.060	36.235	23.943	398.56	.336	1539.54	5.016		75.52
100	25.180	25.158	36.446	24.381	357.80	.432	1538.07	4.488		100.69
125	23.557	23.531	36.801	25.139	286.58	.514	1534.91	4.095		125.88
150	21.642	21.612	36.853	25.729	231.19	.578	1530.48	4.001		151.06
200	18.644	18.608	36.494	26.256	182.41	.681	1522.68	3.729		201.44
250	16.407	16.365	36.214	26.588	151.89	.763	1516.60	4.046		251.83
300	14.599	14.554	35.924	26.774	135.13	.835	1511.48	3.544		302.23
400	11.565	11.513	35.453	27.024	112.32	.959	1502.52	3.404		403.07
500	9.540	9.482	35.171	27.164	99.68	1.065	1496.68	3.445		503.96
600	8.082	8.019	35.000	27.262	90.81	1.161	1492.74	3.561		604.90
700	7.047	6.978	34.933	27.360	81.83	1.248	1490.37	3.752		705.89
800	6.114	6.040	34.905	27.463	72.13	1.326	1488.35	4.144		806.92
900	5.536	5.457	34.915	27.544	64.83	1.395	1487.73	4.477		908.01
1000	5.107	5.021	34.931	27.608	59.13	1.457	1487.69	4.734		1009.14

**Cruise:** GULFCET 02  
**Date:** 16-Aug-92  
**Depth:** 950 m  
**Barometer:** 30.02

**Station:** 08-080  
**Time:** 2016  
**Wind Dir:** °  
**Air Temp Dry:** 26.6 °C

**Lat:** 27° 26.03' N  
**Wind Speed:** 4.2 m/s  
**Air Temp Wet:** 23.9 °C

**Long:** 91° 30.02' W  
**Wave Dir:** Z °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.480	29.478	36.140	22.761	508.81	.042	1545.87	4.774		10.07
20	29.477	29.473	36.146	22.766	508.69	.093	1546.04	4.785		20.14
30	29.447	29.440	36.153	22.782	507.64	.144	1546.15	4.802		30.20
50	25.654	25.643	36.263	24.096	382.91	.235	1538.16	5.573		50.34
75	22.815	22.800	36.416	25.063	291.73	.316	1531.78	5.474		75.52
100	20.853	20.833	36.369	25.578	243.52	.385	1527.00	4.759		100.69
125	19.268	19.245	36.497	26.098	194.85	.440	1523.20	3.617		125.88
150	18.361	18.334	36.498	26.330	173.54	.487	1521.03	3.863		151.06
200	15.865	15.833	36.109	26.633	145.92	.566	1513.99	3.684		201.44
250	14.188	14.151	35.856	26.809	130.11	.636	1509.24	3.781		251.83
300	12.840	12.798	35.640	26.921	120.28	.698	1505.41	3.647		302.23
400	10.420	10.372	35.269	27.089	105.34	.811	1498.29	3.634		403.07
500	8.749	8.694	35.070	27.213	94.27	.912	1493.65	3.517		503.96
600	7.456	7.396	34.944	27.310	85.48	1.002	1490.29	3.668		604.90
700	6.486	6.420	34.905	27.414	75.93	1.084	1488.15	3.929		705.89
800	5.806	5.734	34.907	27.504	67.73	1.156	1487.13	4.212		806.92
900	5.376	5.298	34.928	27.574	61.73	1.221	1487.10	4.393		908.01

**Cruise:** GULFCET 02  
**Date:** 16-Aug-92  
**Depth:** 98 m  
**Barometer:** 30.04

**Station:** 08-086  
**Time:** 1242  
**Wind Dir:** 359.0°  
**Air Temp Dry:** 28.8 °C

**Lat:** 28° 07.53' N  
**Wind Speed:** 5.6 m/s  
**Air Temp Wet:** 25.0 °C

**Long:** 91° 30.00' W  
**Wave Dir:** 0 °  
**Secchi Depth:** 15 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.384	29.382	32.526	20.082	765.52	.070	1541.89	4.784		10.07
20	27.928	27.923	35.790	23.015	484.95	.130	1542.33	4.899		20.14
30	24.972	24.965	35.884	24.020	389.34	.172	1535.78	5.368		30.20
50	21.300	21.290	36.221	25.343	264.03	.233	1527.19	5.531		50.34
75	19.538	19.525	36.290	25.869	214.81	.293	1522.88	4.326		75.52

**Cruise:** GULFCET 02  
**Date:** 16-Aug-92  
**Depth:** 109 m  
**Barometer:** 30.02

**Station:** 09-087  
**Time:** 816  
**Wind Dir:** °  
**Air Temp Dry:** 27.7 °C

**Lat:** 28° 09.00' N  
**Wind Speed:** 6.2 m/s  
**Air Temp Wet:** 22.2 °C

**Long:** 90° 49.95' W  
**Wave Dir:** °  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.597	29.594	32.513	20.002	773.25	.062	1542.33	4.889		10.07
20	28.687	28.682	35.116	22.258	557.30	.128	1543.27	5.044		20.14
30	25.433	25.426	35.634	23.690	420.85	.176	1536.62	5.501		30.20
50	21.099	21.090	36.213	25.392	259.39	.243	1526.65	5.127		50.34
75	19.684	19.670	36.348	25.875	214.23	.302	1523.35	3.655		75.52
100	18.998	18.980	36.375	26.074	196.17	.354	1521.88	3.425		100.69



Cruise: GULFCET 02  
 Date: 15-Aug-92  
 Depth: 1300 m  
 Barometer: 30.03

Station: 09-093  
 Time: 2350  
 Wind Dir: 45.8 °  
 Air Temp Dry: 27.7 °C

Lat: 27° 25.96' N  
 Wind Speed: 4.9 m/s  
 Air Temp Wet: 24.4 °C

Long: 90° 50.05' W  
 Wave Dir: Z °  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.724	29.721	33.892	20.992	678.16	.062	1544.03	4.858		10.07
20	29.902	29.897	35.706	22.291	554.12	.125	1546.47	4.872		20.14
30	27.300	27.293	35.833	23.251	462.74	.177	1541.14	5.362		30.20
50	22.997	22.986	36.294	24.918	304.53	.253	1531.68	5.726		50.34
75	21.476	21.461	36.389	25.422	257.48	.324	1528.26	5.402		75.52
100	19.706	19.687	36.518	25.999	203.40	.382	1524.03	3.998		100.69
125	18.369	18.347	36.427	26.274	178.03	.429	1520.56	3.862		125.88
150	17.013	16.988	36.179	26.417	165.00	.473	1516.72	3.718		151.06
200	15.100	15.069	35.912	26.654	143.63	.550	1511.38	3.919		201.44
250	13.519	13.483	35.643	26.786	132.08	.618	1506.82	3.831		251.83
300	12.221	12.181	35.461	26.905	121.46	.681	1503.11	3.799		302.23
400	10.045	9.998	35.187	27.091	104.89	.793	1496.86	3.687		403.07
500	8.473	8.419	35.019	27.217	93.66	.893	1492.56	3.774		503.96
600	7.340	7.281	34.939	27.323	84.10	.983	1489.84	3.858		604.90
700	6.348	6.283	34.903	27.431	74.15	1.062	1487.60	4.021		705.89
800	5.726	5.655	34.908	27.515	66.62	1.133	1486.81	4.392		806.92
900	5.336	5.258	34.922	27.574	61.64	1.198	1486.93	4.559		908.01
1000	5.015	4.930	34.935	27.622	57.60	1.258	1487.33	4.729		1009.14

Cruise: GULFCET 02  
 Date: 15-Aug-92  
 Depth: 2000 m  
 Barometer: 30.02

Station: 09-096  
 Time: 1550  
 Wind Dir: 36.0 °  
 Air Temp Dry: 27.7 °C

Lat: 26° 45.00' N  
 Wind Speed: 2.3 m/s  
 Air Temp Wet: 24.4 °C

Long: 90° 49.97' W  
 Wave Dir: 20 °  
 Secchi Depth: 27 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.628	29.626	36.308	22.837	501.53	.046	1546.36	4.790		10.07
20	29.610	29.605	36.345	22.870	498.77	.096	1546.53	4.761		20.14
30	28.314	28.307	36.269	23.248	463.10	.145	1543.85	5.257		30.20
50	27.342	27.330	36.249	23.551	435.01	.235	1542.02	5.327		50.34
75	26.583	26.566	36.221	23.773	414.83	.342	1540.69	5.163		75.52
100	25.856	25.834	36.275	24.043	390.09	.444	1539.49	4.952		100.69
125	25.331	25.303	36.388	24.291	367.39	.539	1538.79	4.653		125.88
150	24.765	24.733	36.639	24.654	333.79	.629	1538.13	4.422		151.06
200	21.745	21.705	36.821	25.675	238.21	.771	1531.55	4.169		201.44
250	17.707	17.664	36.483	26.482	162.45	.865	1520.79	3.761		251.83
300	15.335	15.288	36.097	26.744	138.26	.940	1514.00	3.610		302.23
400	12.323	12.269	35.560	26.962	118.77	1.067	1505.24	3.858		403.07
500	10.190	10.129	35.260	27.123	104.21	1.178	1499.13	3.641		503.96
600	8.323	8.259	35.028	27.247	92.49	1.278	1493.68	3.672		604.90
700	7.145	7.076	34.929	27.343	83.59	1.368	1490.74	3.905		705.89
800	6.281	6.206	34.902	27.439	74.66	1.448	1489.01	4.122		806.92
900	5.620	5.540	34.910	27.529	66.33	1.519	1488.06	4.515		908.01
1000	5.164	5.078	34.927	27.598	60.18	1.582	1487.92	4.851		1009.14

**Cruise:** GULFCET 02  
**Date:** 15-Aug-92  
**Depth:** 2000 m  
**Barometer:** 30.04

**Station:** 10-097  
**Time:** 823  
**Wind Dir:** 142.0°  
**Air Temp Dry:** Y °C  
**Air Temp Wet:** Y °C

**Lat:** 27° 10.06' N  
**Long:** 90° 09.92' W  
**Wave Dir:** 210°  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.077	30.074	34.883	21.615	618.49	.053	1545.80	4.851		10.07
20	30.024	30.018	36.130	22.568	527.63	.110	1547.16	4.789		20.14
30	29.826	29.819	36.187	22.678	517.55	.162	1546.98	4.816		30.20
50	26.348	26.337	36.019	23.695	421.18	.257	1539.51	5.526		50.34
75	22.521	22.506	36.225	25.003	297.41	.345	1530.81	5.612		75.52
100	21.275	21.255	36.350	25.448	255.91	.415	1528.11	5.422		100.69
125	20.037	20.014	36.574	25.954	208.60	.476	1525.42	4.184		125.88
150	18.687	18.660	36.472	26.228	183.28	.526	1521.94	3.810		151.06
200	16.282	16.249	36.189	26.598	149.33	.608	1515.36	3.723		201.44
250	14.675	14.637	35.934	26.765	134.53	.680	1510.90	3.666		251.83
300	13.171	13.128	35.690	26.894	123.04	.745	1506.56	3.672		302.23
400	9.792	9.745	35.188	27.135	100.60	.856	1495.95	3.556		403.07
500	8.154	8.102	35.009	27.258	89.42	.951	1491.36	3.495		503.96
600	7.082	7.023	34.927	27.350	81.24	1.037	1488.83	3.663		604.90
700	6.209	6.145	34.905	27.451	72.05	1.114	1487.06	3.991		705.89
800	5.643	5.573	34.909	27.526	65.42	1.184	1486.48	4.300		806.92
900	5.228	5.151	34.925	27.589	60.00	1.247	1486.50	4.529		908.01
1000	4.844	4.760	34.942	27.648	54.84	1.305	1486.64	4.838		1009.14

**Cruise:** GULFCET 02  
**Date:** 15-Aug-92  
**Depth:** 800 m  
**Barometer:** 30.04

**Station:** 10-100  
**Time:** 142  
**Wind Dir:** 93.0 °  
**Air Temp Dry:** 25.0 °C  
**Air Temp Wet:** 22.8 °C

**Lat:** 27° 45.99' N  
**Long:** 90° 09.96' W  
**Wave Dir:** 80 °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.170	30.168	34.454	21.261	652.37	.065	1545.55	4.864		10.07
20	29.398	29.393	36.073	22.738	511.39	.122	1545.80	5.013		20.14
30	26.468	26.461	36.333	23.894	401.39	.169	1539.79	5.411		30.20
50	23.036	23.025	36.543	25.096	287.64	.239	1532.06	5.238		50.34
75	20.445	20.431	36.558	25.833	218.34	.303	1525.68	4.270		75.52
100	18.391	18.373	36.481	26.310	173.76	.351	1520.27	3.794		100.69
125	17.015	16.994	36.297	26.507	155.65	.393	1516.44	3.745		125.88
150	16.127	16.103	36.155	26.608	146.75	.431	1514.01	3.747		151.06
200	14.518	14.488	35.901	26.773	132.19	.500	1509.52	3.594		201.44
250	12.731	12.697	35.624	26.931	118.01	.563	1504.19	3.743		251.83
300	11.588	11.549	35.440	27.010	111.28	.621	1500.92	3.656		302.23
400	9.459	9.413	35.154	27.164	97.51	.725	1494.70	3.412		403.07
500	8.077	8.025	34.998	27.261	89.12	.819	1491.05	3.482		503.96
600	6.858	6.801	34.915	27.372	78.94	.904	1487.95	3.736		604.90
700	6.001	5.937	34.910	27.482	68.82	.979	1486.24	4.129		705.89

**Cruise:** GULFCET 02  
**Date:** 14-Aug-92  
**Depth:** 94 m  
**Barometer:** 30.04

**Station:** 10-105  
**Time:** 2030  
**Wind Dir:** 93.0 °  
**Air Temp Dry:** 25.5 °C  
**Air Temp Wet:** 23.9 °C

**Lat:** 28° 15.91' N  
**Long:** 90° 10.05' W  
**Wave Dir:** Z °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.924	29.921	35.620	22.220	560.56	.058	1546.25	4.934		10.07
20	29.331	29.326	35.970	22.684	516.59	.113	1545.55	4.970		20.14
30	25.238	25.232	35.841	23.906	400.23	.158	1536.38	5.572		30.20
50	20.990	20.980	36.345	25.523	246.90	.218	1526.50	5.419		50.34
75	19.899	19.885	36.365	25.831	218.44	.275	1523.97	3.784		75.52

Cruise: GULFCET 02  
 Date: 14-Aug-92  
 Depth: 95 m  
 Barometer: 30.03

Station: 11-106  
 Time: 1522  
 Wind Dir: 88.5 °  
 Air Temp Dry: 24.4 °C

Lat: 28° 44.97' N  
 Wind Speed: 4.7 m/s  
 Air Temp Wet: 23.9 °C

Long: 89° 30.12' W  
 Wave Dir: 85 °  
 Secchi Depth: 1-2 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.410	29.407	35.511	22.312	551.70	.076	1545.06	4.810		10.07
20	25.634	25.630	36.200	24.055	385.66	.123	1537.53	5.132		20.14
30	23.420	23.413	36.128	24.669	327.47	.159	1532.23	5.251		30.20
50	21.419	21.409	36.270	25.347	263.60	.217	1527.56	5.178		50.34
75	20.379	20.365	36.331	25.677	233.13	.278	1525.25	3.403		75.52

Cruise: GULFCET 02  
 Date: 13-Aug-92  
 Depth: 1075 m  
 Barometer: 30.02

Station: 11-112  
 Time: 728  
 Wind Dir: 140.0°  
 Air Temp Dry: 27.2 °C

Lat: 28° 06.03' N  
 Wind Speed: 4.2 m/s  
 Air Temp Wet: 25.0 °C

Long: 89° 30.00' W  
 Wave Dir: 140°  
 Secchi Depth: 20.5 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.443	30.441	35.137	21.679	612.29	.049	1546.82	4.906		10.07
20	30.213	30.208	35.856	22.298	553.53	.106	1547.27	4.873		20.14
30	28.383	28.376	36.179	23.157	471.73	.157	1543.91	5.244		30.20
50	22.187	22.177	36.072	24.981	298.46	.232	1529.36	5.441		50.34
75	19.539	19.525	36.380	25.938	208.29	.293	1522.99	4.241		75.52
100	18.646	18.628	36.438	26.213	183.00	.342	1520.95	3.599		100.69
125	17.216	17.195	36.333	26.487	157.64	.385	1517.08	3.723		125.88
150	16.375	16.350	36.192	26.578	149.61	.424	1514.81	3.831		151.06
200	14.397	14.367	35.881	26.784	131.13	.493	1509.11	3.800		201.44
250	12.868	12.834	35.638	26.915	119.61	.556	1504.66	3.599		251.83
300	11.765	11.725	35.478	27.006	111.72	.615	1501.57	3.389		302.23
400	9.651	9.605	35.167	27.142	99.77	.721	1495.41	3.419		403.07
500	8.214	8.161	35.015	27.253	89.95	.816	1491.59	3.310		503.96
600	7.117	7.058	34.926	27.344	81.84	.904	1488.96	3.548		604.90
700	6.312	6.247	34.902	27.435	73.66	.982	1487.46	3.801		705.89
800	5.539	5.469	34.912	27.541	63.82	1.051	1486.06	4.238		806.92
900	5.249	5.172	34.922	27.584	60.48	1.114	1486.58	4.348		908.01
1000	4.977	4.893	34.932	27.625	57.28	1.173	1487.17	4.510		1009.14

Cruise: GULFCET 02  
 Date: 13-Aug-92  
 Depth: 2000 m  
 Barometer: 30.02

Station: 11-115  
 Time: 2346  
 Wind Dir: 219.0°  
 Air Temp Dry: 27.7 °C

Lat: 27° 27.02' N  
 Wind Speed: 5.3 m/s  
 Air Temp Wet: 25.8 °C

Long: 89° 29.95' W  
 Wave Dir: Z °  
 Secchi Depth: Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.816	29.813	34.706	21.571	622.65	.044	1545.08	4.908		10.07
20	30.426	30.421	35.534	21.983	583.64	.106	1547.37	4.890		20.14
30	29.864	29.857	35.969	22.502	534.44	.162	1546.83	4.996		30.20
50	25.952	25.941	36.412	24.117	380.99	.255	1539.01	5.495		50.34
75	22.155	22.140	36.367	25.215	277.24	.336	1530.02	5.652		75.52
100	20.749	20.730	36.535	25.733	228.76	.400	1526.90	4.513		100.69
125	19.025	19.002	36.463	26.135	191.31	.453	1522.47	3.916		125.88
150	17.090	17.065	36.262	26.462	160.76	.497	1517.04	3.710		151.06
200	14.177	14.148	35.864	26.818	127.87	.568	1508.39	3.757		201.44
250	12.606	12.572	35.598	26.936	117.50	.629	1503.74	3.792		251.83
300	11.299	11.261	35.403	27.035	108.70	.686	1499.88	3.682		302.23
400	8.399	8.357	35.035	27.241	89.44	.786	1490.64	3.780		403.07
500	6.985	6.937	34.912	27.352	79.36	.870	1486.77	4.009		503.96
600	6.273	6.218	34.902	27.440	71.75	.946	1485.64	4.275		604.90
700	5.770	5.708	34.906	27.507	66.07	1.016	1485.31	4.432		705.89
800	5.368	5.299	34.918	27.567	61.13	1.081	1485.38	4.653		806.92
900	5.037	4.961	34.931	27.616	57.07	1.141	1485.73	4.908		908.01
1000	4.710	4.627	34.945	27.666	52.85	1.196	1486.09	5.070		1009.14

**Cruise:** GULFCET 02  
**Date:** 13-Aug-92  
**Depth:** 2000 m  
**Barometer:** 30.00

**Station:** 12-116  
**Time:** 1815  
**Wind Dir:** 223.0°  
**Air Temp Dry:** 27.2 °C

**Lat:** 27° 25.97' N  
**Wind Speed:** 4.5 m/s  
**Air Temp Wet:** 25.3 °C

**Long:** 88° 49.89' W  
**Wave Dir:** 210°  
**Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.272	29.270	35.926	22.671	517.43	.042	1545.21	4.891		10.07
20	29.256	29.251	35.944	22.689	516.04	.094	1545.36	4.943		20.14
30	28.564	28.556	36.133	23.063	480.78	.144	1544.25	5.103		30.20
50	24.347	24.336	36.392	24.593	335.50	.225	1535.16	5.713		50.34
75	21.580	21.565	36.353	25.366	262.82	.299	1528.50	5.250		75.52
100	19.966	19.947	36.536	25.944	208.65	.358	1524.76	4.089		100.69
125	18.028	18.007	36.433	26.364	169.40	.406	1519.58	3.747		125.88
150	17.101	17.076	36.299	26.489	158.29	.447	1517.12	3.839		151.06
200	14.985	14.954	35.988	26.738	135.66	.520	1511.10	3.961		201.44
250	13.699	13.663	35.765	26.843	126.76	.586	1507.55	3.849		251.83
300	12.509	12.468	35.591	26.950	117.41	.648	1504.24	3.575		302.23
400	10.185	10.137	35.237	27.105	103.64	.758	1497.42	3.528		403.07
500	8.675	8.621	35.055	27.214	94.15	.857	1493.36	3.561		503.96
600	7.364	7.304	34.941	27.321	84.33	.947	1489.93	3.623		604.90
700	6.421	6.355	34.900	27.419	75.37	1.028	1487.88	4.106		705.89
800	5.732	5.661	34.904	27.511	67.00	1.100	1486.83	4.389		806.92
900	5.324	5.246	34.917	27.571	61.84	1.165	1486.88	4.747		908.01
1000	5.002	4.917	34.929	27.619	57.84	1.225	1487.26	4.943		1009.14

**Cruise:** GULFCET 02  
**Date:** 13-Aug-92  
**Depth:** 95 m  
**Barometer:** 29.95

**Station:** 12-125  
**Time:** 22  
**Wind Dir:** 200.0°  
**Air Temp Dry:** Z °C

**Lat:** 29° 06.29' N  
**Wind Speed:** 7.5 m/s  
**Air Temp Wet:** Z °C

**Long:** 88° 50.06' W  
**Wave Dir:** 180°  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.224	30.222	33.861	20.798	696.75	.050	1545.04	4.915		10.07
20	25.913	25.909	35.725	23.610	428.10	.104	1537.68	5.152		20.14
30	23.752	23.745	36.300	24.702	324.37	.140	1533.25	5.444		30.20
50	21.906	21.896	36.429	25.332	265.09	.198	1529.02	5.016		50.34
75	20.564	20.549	36.320	25.620	238.59	.261	1525.74	3.157		75.52

**Cruise:** GULFCET 02  
**Date:** 12-Aug-92  
**Depth:** 95 m  
**Barometer:** 29.95

**Station:** 13-126  
**Time:** 1915  
**Wind Dir:** 175.3°  
**Air Temp Dry:** 27.5 °C

**Lat:** 29° 16.49' N  
**Wind Speed:** 6.7 m/s  
**Air Temp Wet:** 25.0 °C

**Long:** 88° 09.91' W  
**Wave Dir:** 130°  
**Secchi Depth:** 13 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.541	30.539	34.760	21.363	642.61	.073	1546.63	4.820		10.07
20	29.976	29.971	35.606	22.192	563.67	.132	1546.52	4.784		20.14
30	28.049	28.042	36.084	23.196	468.06	.185	1543.07	5.128		30.20
75	21.087	21.073	36.403	25.540	246.23	.311	1527.24	4.812		75.52

Cruise: GULFCET 02  
 Date: 12-Aug-92  
 Depth: 1850 m  
 Barometer: 29.98

Station: 13-133  
 Time: 1325  
 Wind Dir: 184.4°  
 Air Temp Dry: 28.8 °C

Lat: 28° 46.01' N  
 Wind Speed: 5.5 m/s  
 Air Temp Wet: 25.6 °C

Long: 88° 09.92' W  
 Wave Dir: 150°  
 Secchi Depth: 21 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	29.843	29.841	33.708	20.814	695.24	0.000	1544.09	4.640		9.76
20	30.202	30.197	35.807	22.264	556.72	.060	1547.19	4.532		20.14
30	29.028	29.021	35.993	22.803	505.65	.115	1545.10	4.754		30.20
50	23.177	23.166	36.258	24.838	312.11	.180	1532.10	5.317		50.34
75	21.084	21.070	36.301	25.463	253.55	.238	1527.12	4.636		75.52
100	20.211	20.192	36.362	25.746	227.48	.298	1525.24	4.219		100.69
125	19.168	19.145	36.445	26.084	196.16	.348	1522.86	3.442		125.88
150	17.940	17.914	36.393	26.356	171.07	.393	1519.70	3.333		151.06
200	15.114	15.083	36.009	26.726	136.89	.468	1511.53	3.317		201.44
250	12.691	12.657	35.622	26.937	117.37	.525	1504.05	3.186		251.83
300	10.690	10.653	35.322	27.083	103.84	.580	1497.65	3.152		302.23
400	8.649	8.606	35.054	27.216	91.95	.671	1491.60	3.214		403.07
500	7.650	7.600	34.958	27.293	85.61	.759	1489.38	3.296		503.96
600	6.818	6.760	34.911	27.374	78.65	.832	1487.79	3.605		604.93
700	6.045	5.982	34.901	27.469	70.14	.901	1486.40	3.892		705.89
800	5.610	5.539	34.908	27.529	65.08	.966	1486.34	4.056		806.92
900	5.195	5.118	34.923	27.592	59.67	1.024	1486.36	4.313		908.01
1000	4.901	4.817	34.934	27.635	56.18	1.079	1486.86	4.613		1009.08

Cruise: GULFCET 02  
 Date: 12-Aug-92  
 Depth: 2000 m  
 Barometer: 29.97

Station: 13-134  
 Time: 900  
 Wind Dir: 171.6°  
 Air Temp Dry: 27.7 °C

Lat: 28° 37.03' N  
 Wind Speed: 6.9 m/s  
 Air Temp Wet: 22.2 °C

Long: 88° 09.89' W  
 Wave Dir: 140°  
 Secchi Depth: 25 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.234	30.231	35.546	22.058	576.02	.061	1546.82	4.775		10.07
20	29.983	29.978	35.602	22.186	564.19	.118	1546.53	4.793		20.14
30	29.597	29.590	35.891	22.534	531.31	.174	1546.19	4.897		30.20
50	24.081	24.070	36.380	24.664	328.74	.261	1534.49	5.443		50.34
75	20.969	20.955	36.323	25.511	248.94	.315	1526.84	4.716		75.52
100	19.889	19.870	36.440	25.891	213.63	.371	1524.44	4.189		100.19
125	18.708	18.686	36.444	26.201	184.98	.420	1521.55	3.541		125.88
150	17.606	17.580	36.399	26.443	162.75	.464	1518.73	3.866		151.06
200	15.887	15.855	36.145	26.655	143.78	.537	1514.10	3.768		201.44
250	13.627	13.591	35.763	26.856	125.44	.598	1507.32	3.665		251.83
300	11.461	11.422	35.431	27.027	109.61	.657	1500.47	3.511		302.23
400	9.145	9.100	35.113	27.184	95.46	.750	1493.50	3.501		403.07
500	7.856	7.805	34.971	27.273	87.76	.839	1490.18	3.473		503.96
600	6.787	6.730	34.910	27.377	78.30	.915	1487.67	3.401		605.18
700	6.182	6.117	34.898	27.449	72.16	.986	1486.94	3.920		705.89
800	5.522	5.453	34.913	27.544	63.51	1.055	1486.00	4.328		806.92
900	5.187	5.110	34.922	27.591	59.67	1.109	1486.33	4.451		908.01
1000	4.872	4.788	34.938	27.641	55.51	1.162	1486.74	4.671		1008.86

**Cruise:** GULFCET 02  
**Date:** 12-Aug-92  
**Depth:** 2000 m  
**Barometer:** 29.93

**Station:** 14-135  
**Time:** 318  
**Wind Dir:** 171.0°  
**Air Temp Dry:** 28.3 °C

**Lat:** 28° 31.07' N  
**Wind Speed:** 6.0 m/s  
**Air Temp Wet:** 25.0 °C

**Long:** 87° 29.92' W  
**Wave Dir:** 90 °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.244	30.241	35.466	21.994	582.10	.064	1546.75	4.700		10.07
20	27.910	27.905	35.923	23.120	474.84	.118	1542.43	5.044		20.14
30	25.098	25.092	36.229	24.242	368.21	.159	1536.46	5.388		30.20
50	22.919	22.909	36.265	24.919	304.45	.219	1531.45	5.647		49.90
75	21.140	21.125	36.230	25.394	260.08	.275	1527.19	5.393		75.52
100	20.432	20.413	36.297	25.638	237.79	.335	1525.78	4.810		100.69
150	18.508	18.482	36.465	26.268	179.46	.436	1521.42	3.617		151.06
200	16.649	16.615	36.246	26.556	153.41	.515	1516.54	3.739		201.43
250	14.712	14.674	35.950	26.769	134.13	.575	1511.03	3.590		251.83
300	13.463	13.420	35.733	26.867	125.77	.639	1507.58	3.455		302.23
400	10.565	10.516	35.291	27.081	106.23	.747	1498.84	3.209		403.07
500	8.622	8.568	35.041	27.210	94.40	.847	1493.15	3.190		503.96
600	7.445	7.385	34.929	27.300	86.39	.931	1490.23	3.313		604.90
700	6.502	6.436	34.897	27.406	76.68	1.002	1488.20	3.589		705.89
800	5.852	5.780	34.899	27.492	68.97	1.071	1487.30	3.916		806.92
900	5.392	5.313	34.912	27.559	63.09	1.131	1487.14	4.202		908.01
1000	5.005	4.920	34.929	27.619	57.87	1.183	1487.27	3.916		1009.14

**Cruise:** GULFCET 02  
**Date:** 11-Aug-92  
**Depth:** 1600 m  
**Barometer:** 29.97

**Station:** 14-136  
**Time:** 2307  
**Wind Dir:** 139.3°  
**Air Temp Dry:** 28.3 °C

**Lat:** 28° 46.03' N  
**Wind Speed:** 6.0 m/s  
**Air Temp Wet:** 25.6 °C

**Long:** 87° 29.99' W  
**Wave Dir:** Z °  
**Secchi Depth:** Z m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.300	30.297	33.261	20.323	742.35	.073	1544.58	4.857		10.07
20	30.126	30.121	35.696	22.207	562.19	.137	1546.92	4.888		20.14
30	26.482	26.475	36.021	23.654	424.24	.187	1539.48	5.490		30.20
50	22.884	22.873	36.261	24.926	303.77	.256	1531.36	5.792		50.34
75	20.987	20.972	36.241	25.444	255.36	.297	1526.80	5.463		75.52
100	20.098	20.079	36.202	25.655	236.14	.359	1524.76	5.201		100.69
125	19.821	19.797	36.435	25.905	213.21	.416	1524.67	3.977		125.88
150	18.864	18.837	36.539	26.235	182.73	.466	1522.52	3.780		151.06
250	14.754	14.716	35.948	26.758	135.21	.601	1511.16	3.750		251.83
300	13.241	13.198	35.700	26.887	123.71	.665	1506.81	3.517		302.23
400	10.506	10.457	35.281	27.084	105.91	.773	1498.61	3.265		403.07
500	8.654	8.599	35.056	27.218	93.75	.873	1493.28	3.091		503.96
600	7.351	7.291	34.930	27.314	84.94	.952	1489.87	3.397		604.90
700	6.521	6.455	34.897	27.403	76.99	1.021	1488.27	3.643		705.89
800	5.875	5.803	34.900	27.489	69.25	1.090	1487.40	4.031		806.92
900	5.398	5.320	34.912	27.558	63.19	1.151	1487.17	4.345		908.01

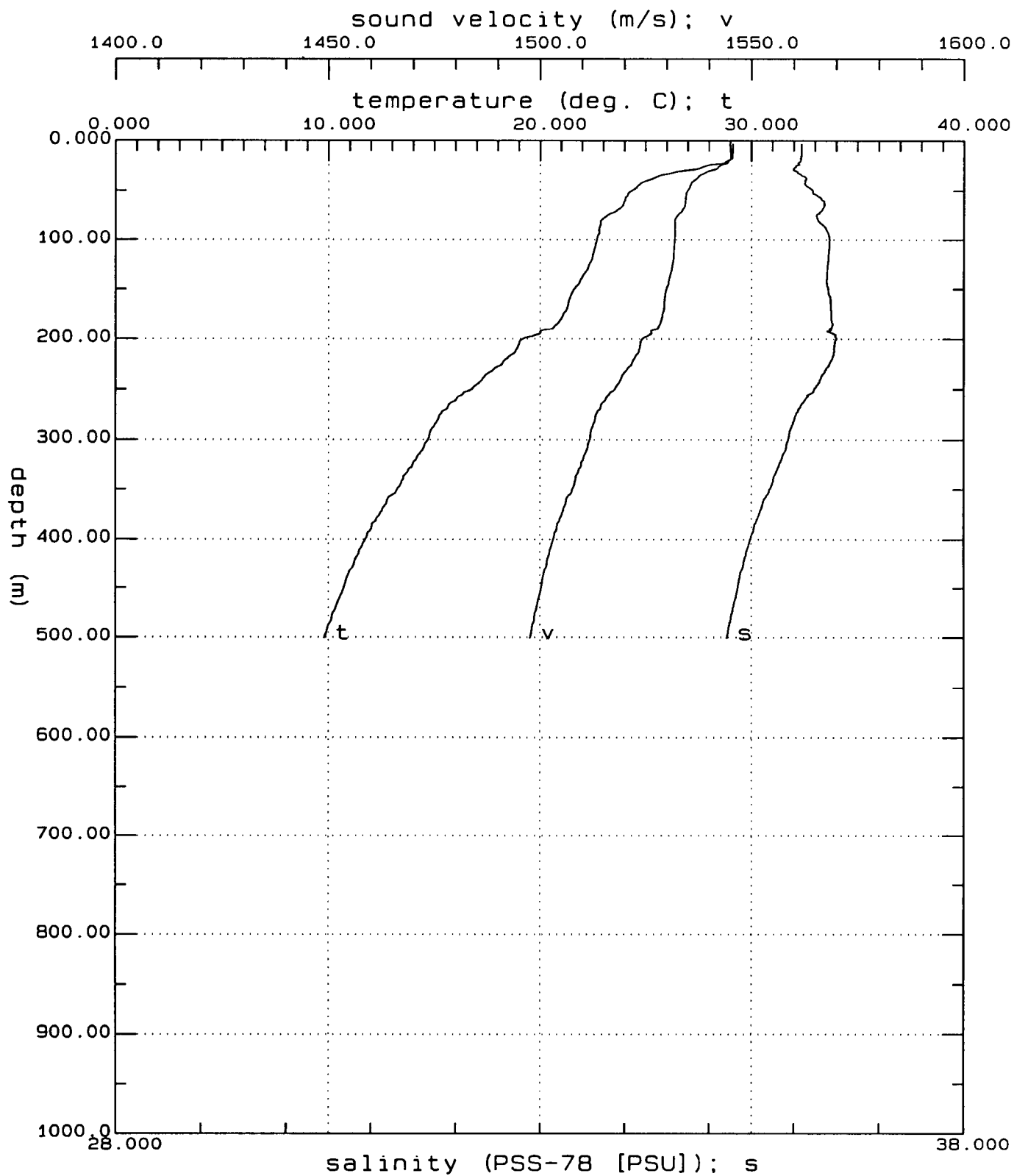
**Cruise:** GULFCET 02  
**Date:** 11-Aug-92  
**Depth:** 82 m  
**Barometer:** 29.95

**Station:** 14-143  
**Time:** 1555  
**Wind Dir:** 133.4°  
**Air Temp Dry:** 29.4 °C

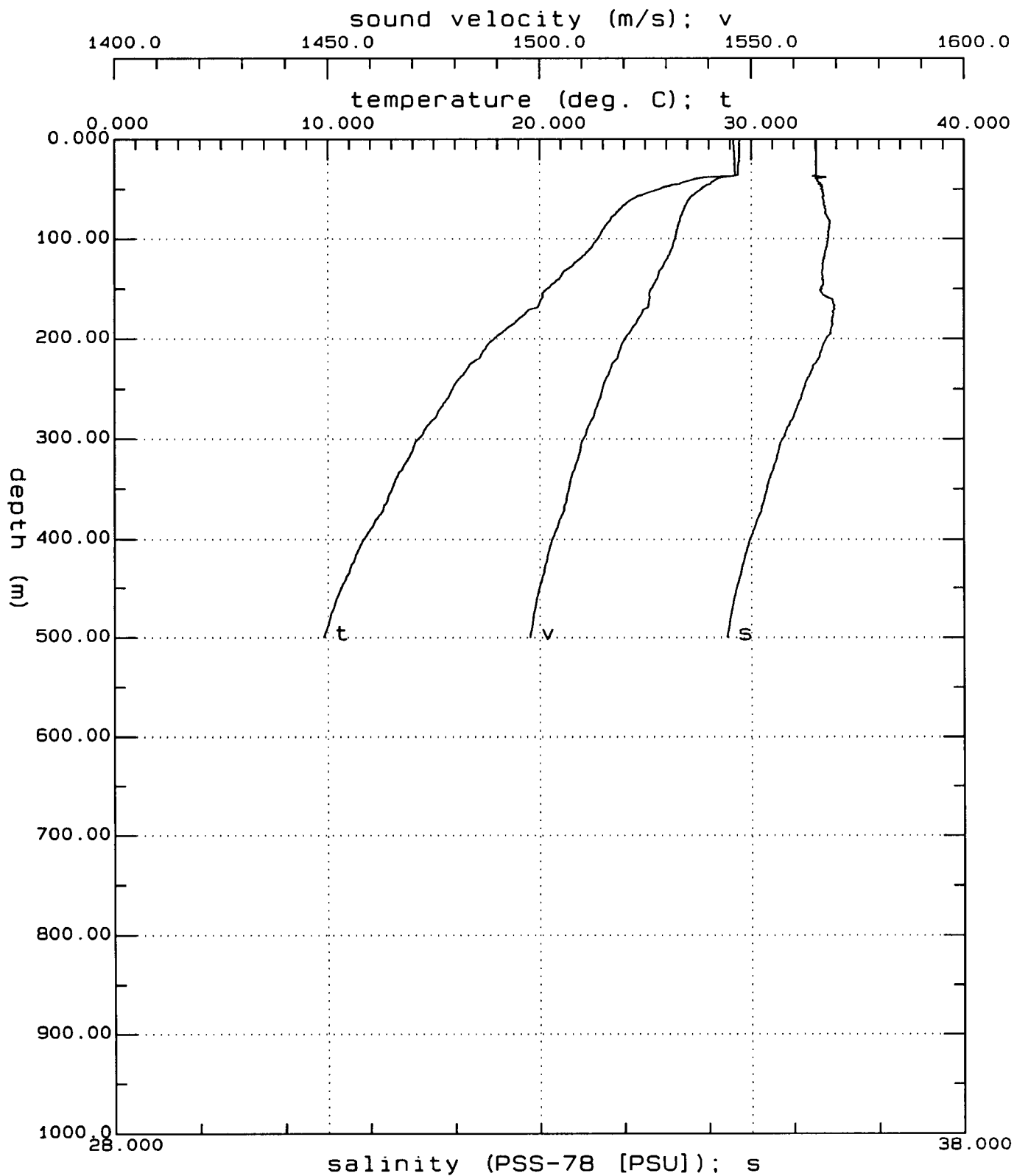
**Lat:** 29° 27.09' N  
**Wind Speed:** 5.1 m/s  
**Air Temp Wet:** 25.6 °C

**Long:** 87° 29.89' W  
**Wave Dir:** 150°  
**Secchi Depth:** 15 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	30.512	30.509	33.052	20.094	764.35	.083	1544.80	4.541		10.07
20	28.841	28.836	35.886	22.785	506.87	.146	1544.42	4.714		20.14
30	23.728	23.722	36.042	24.513	342.38	.189	1532.91	4.996		30.20
50	21.438	21.429	36.237	25.316	266.57	.245	1527.58	4.006		50.31
75	20.738	20.724	36.278	25.540	246.18	.292	1526.17	3.797		75.52

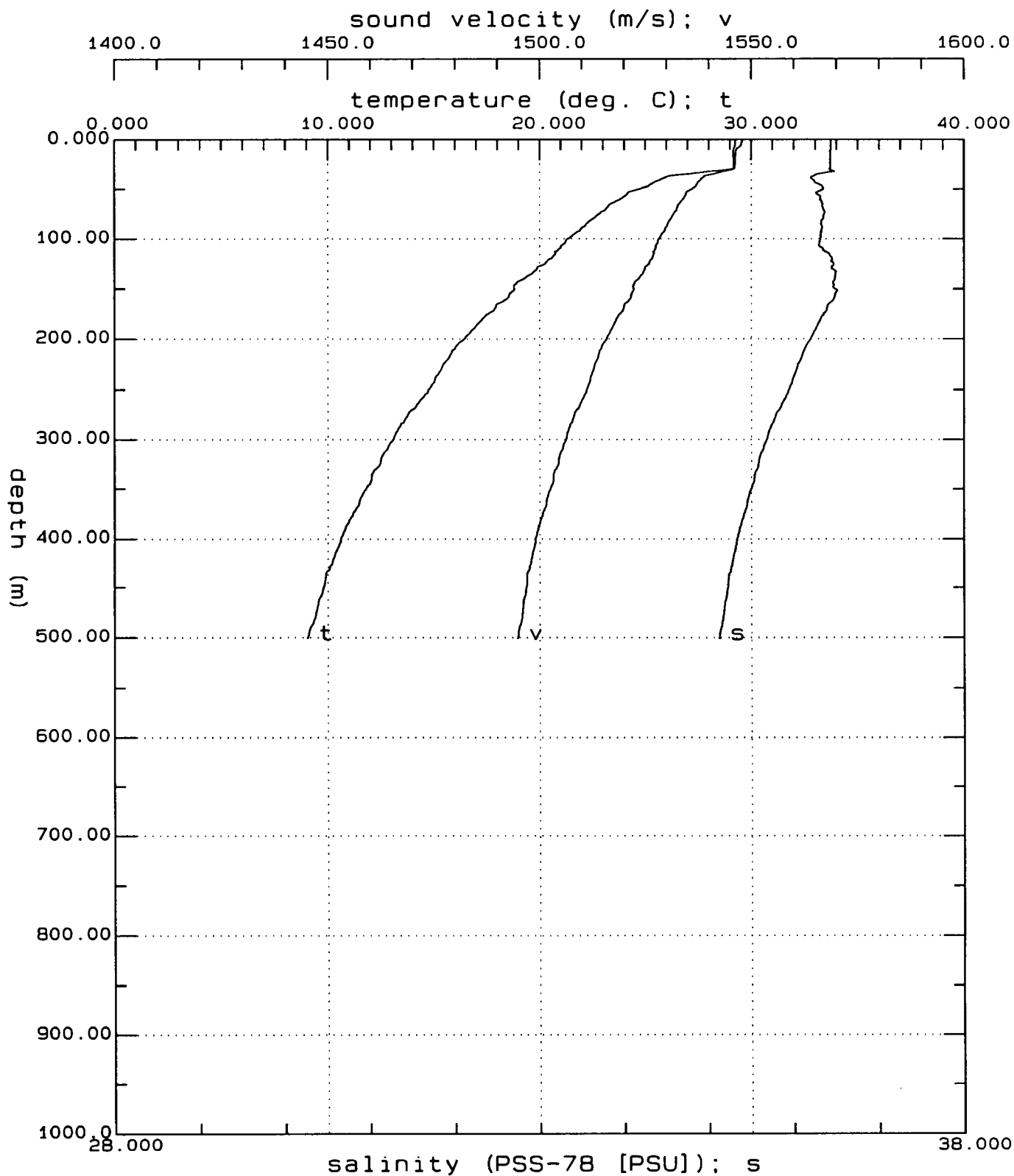


02-010.CNV: Gulfcet Cruise 02

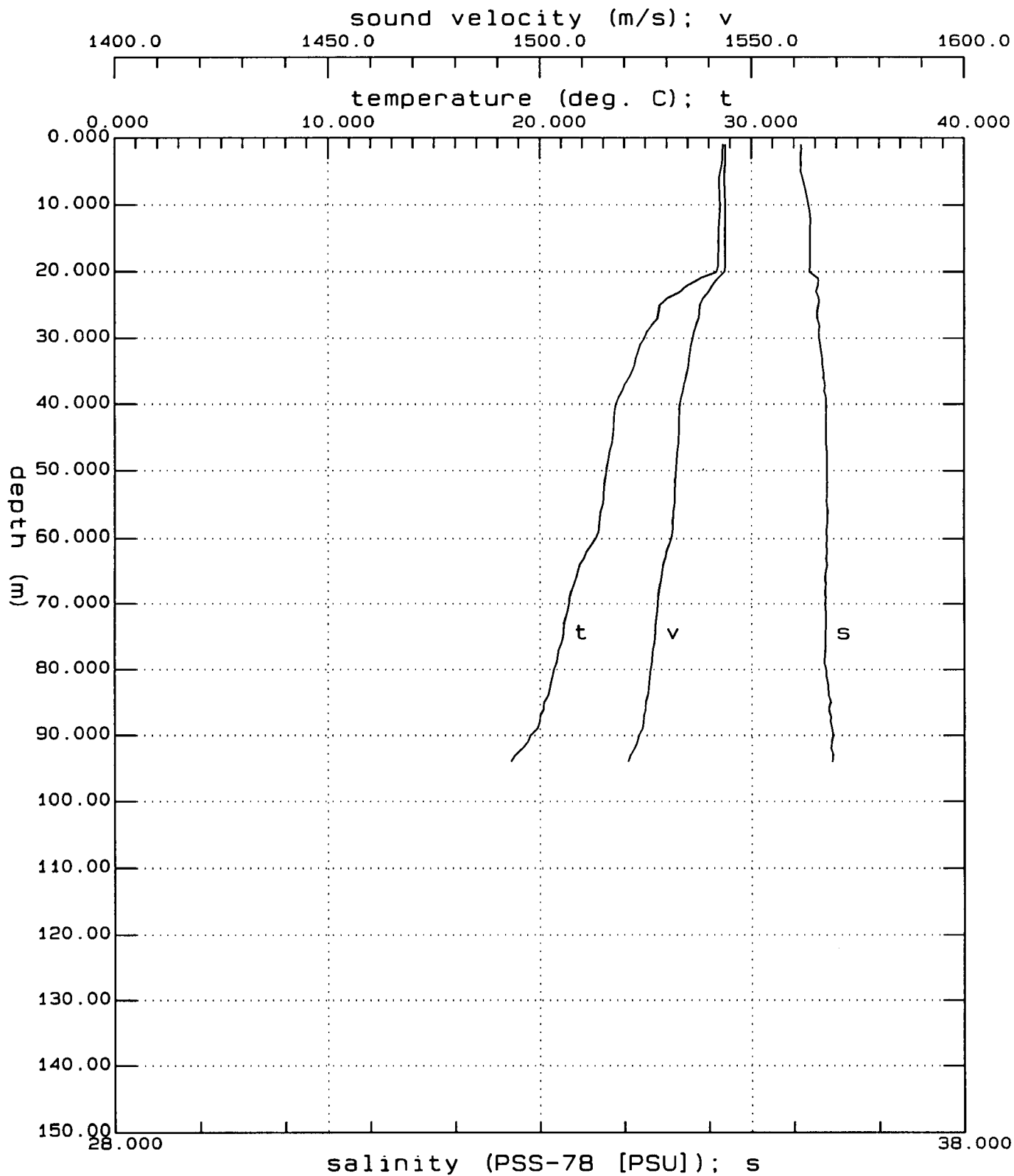


02-013.CNV: Gulfcet Cruise 02

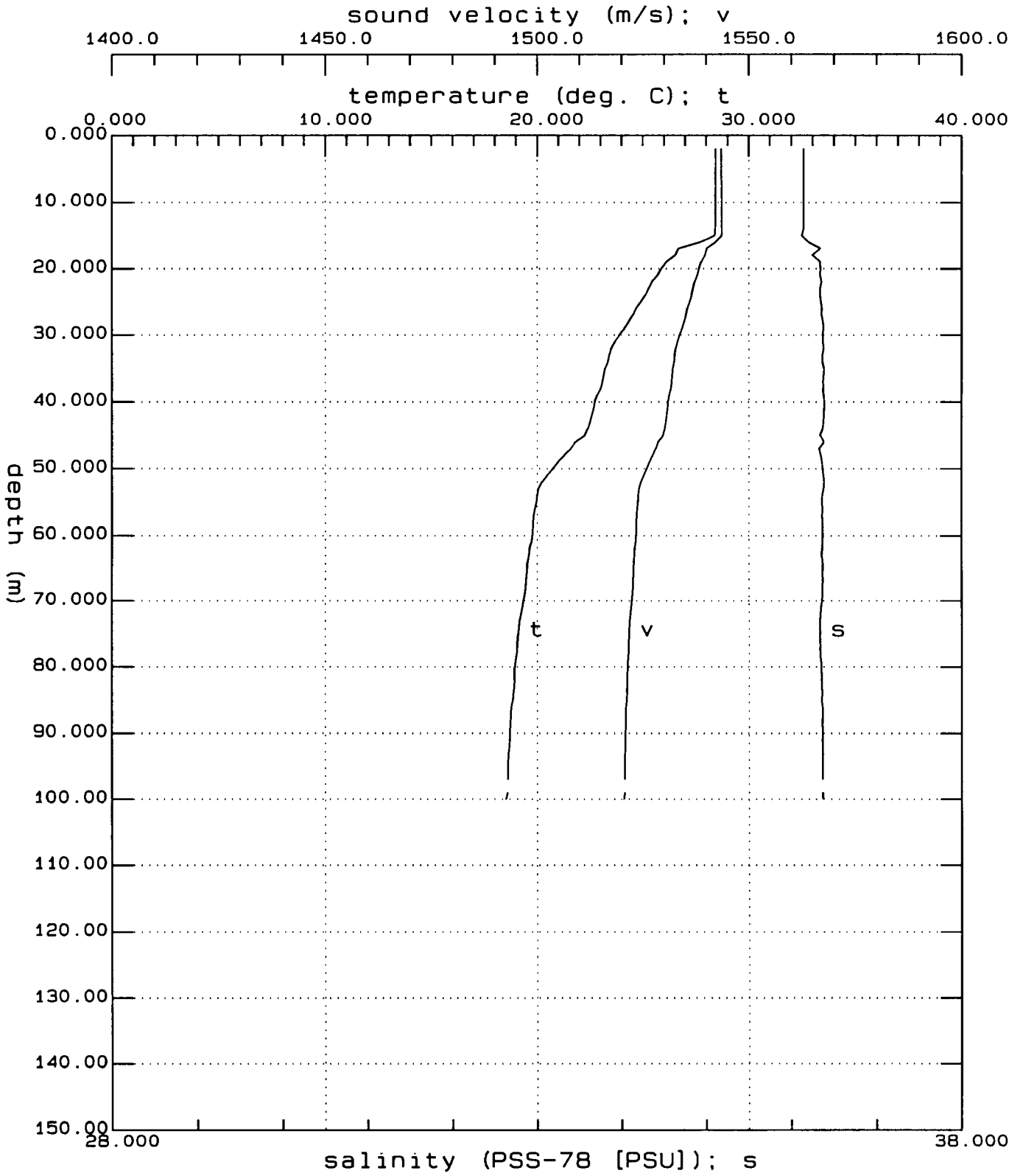




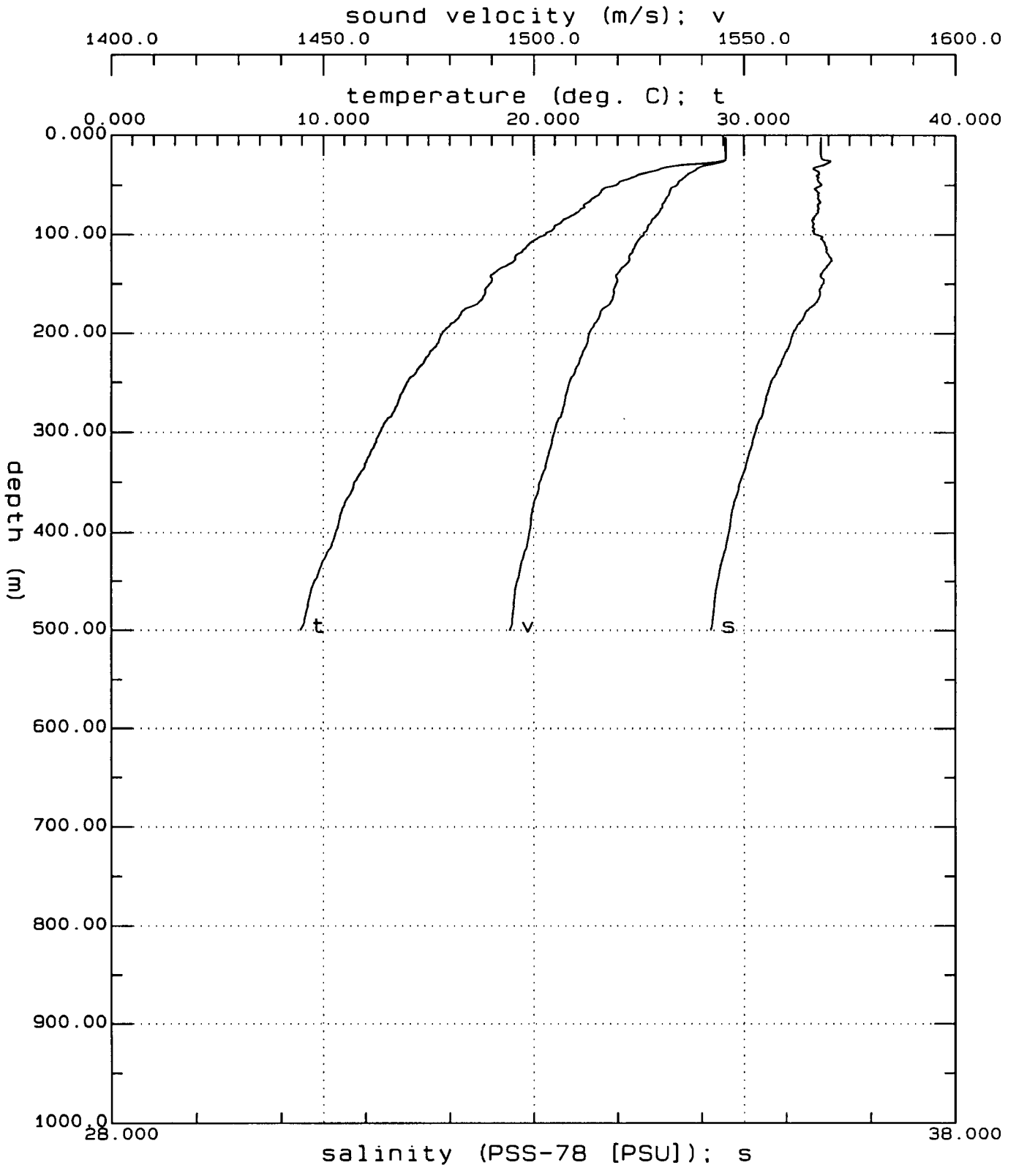
02-015.CNV: Gulfcet Cruise 02



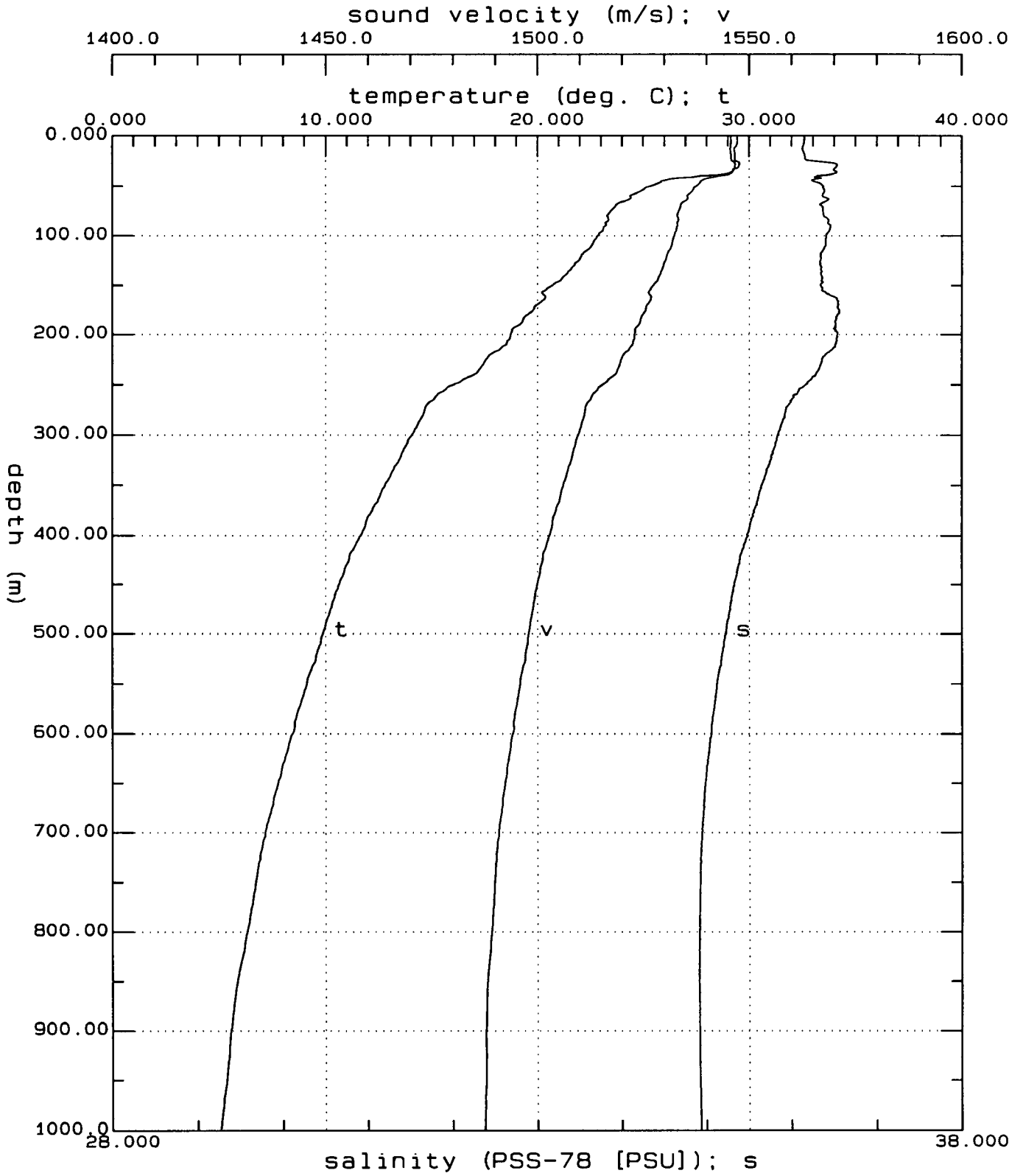
02-020.CNV: Gulfcet Cruise 02



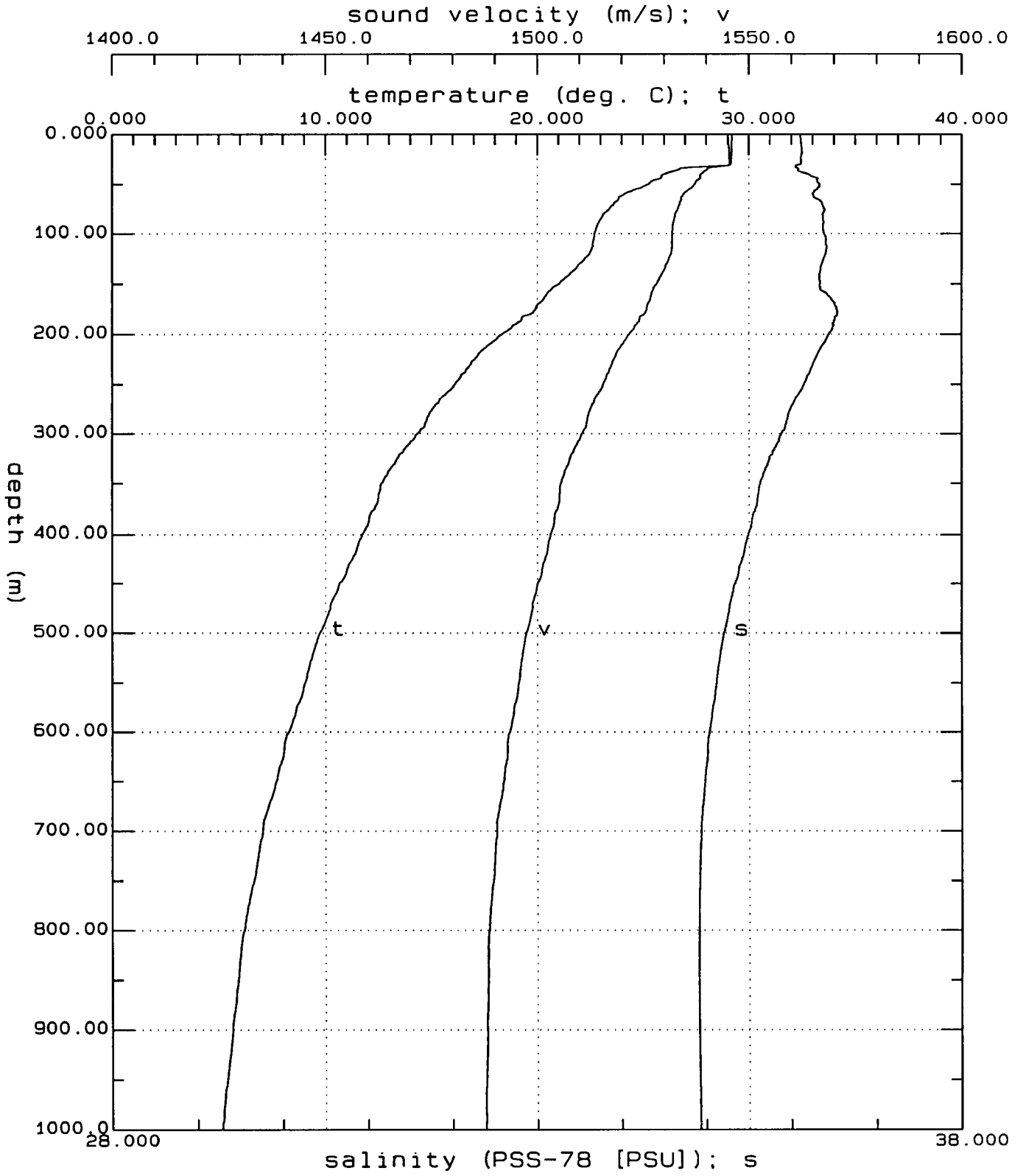
03-021.CNV: Gulfcet Cruise 02



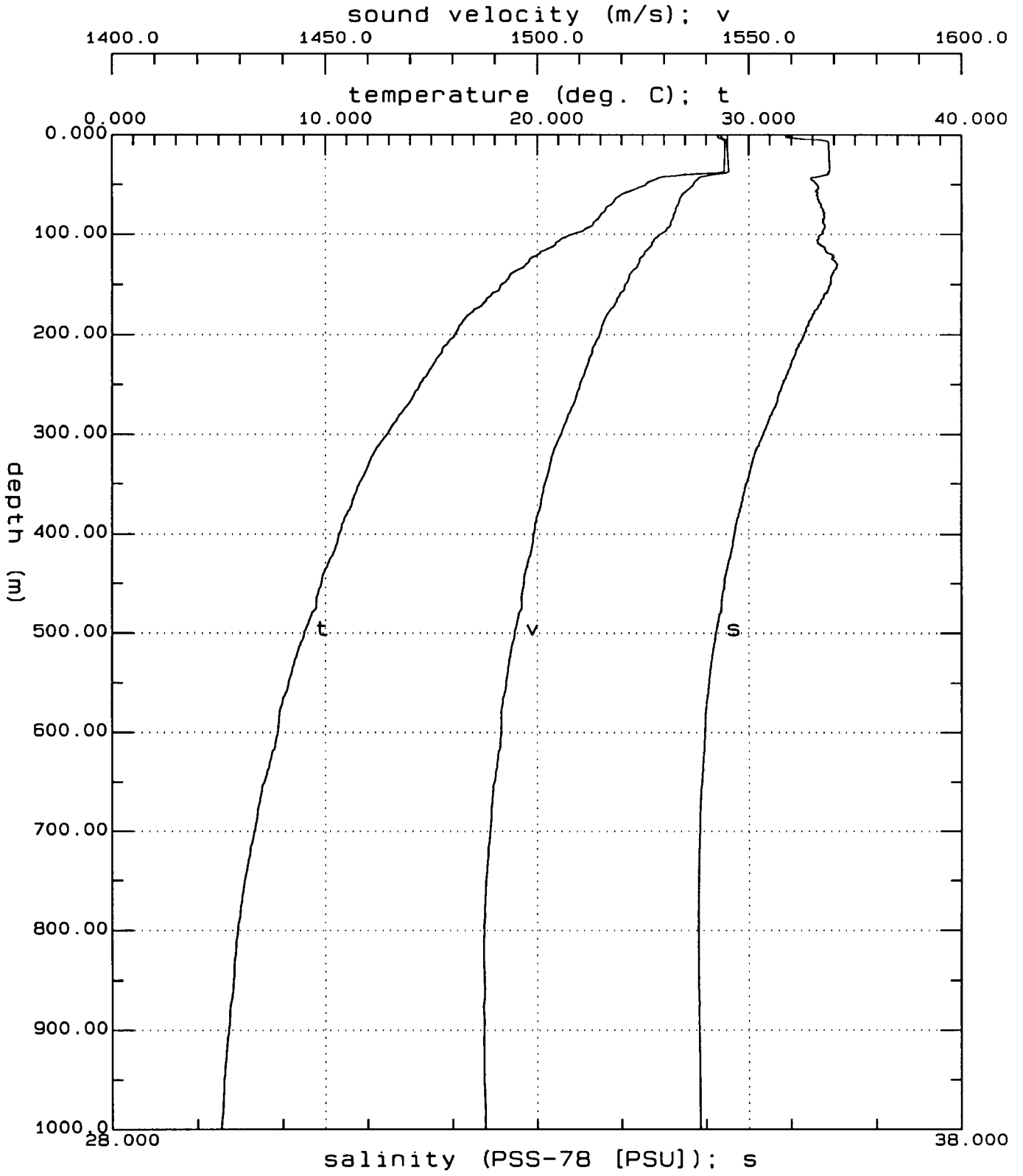
03-026.CNV: Gulfcet Cruise 02



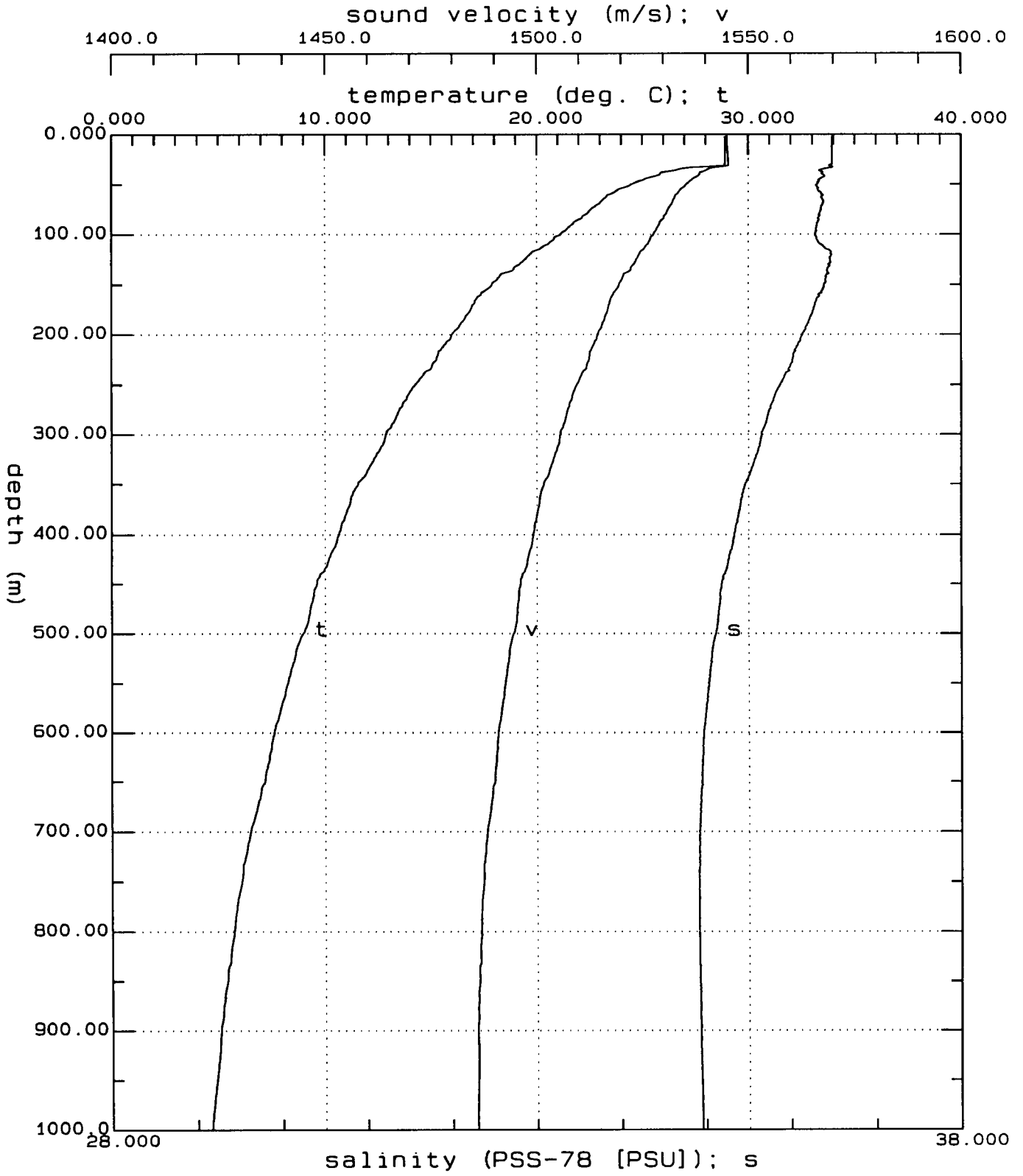
03-029.CNV: Gulfcet Cruise 02



03-030.CNV: Gulfcet Cruise 02

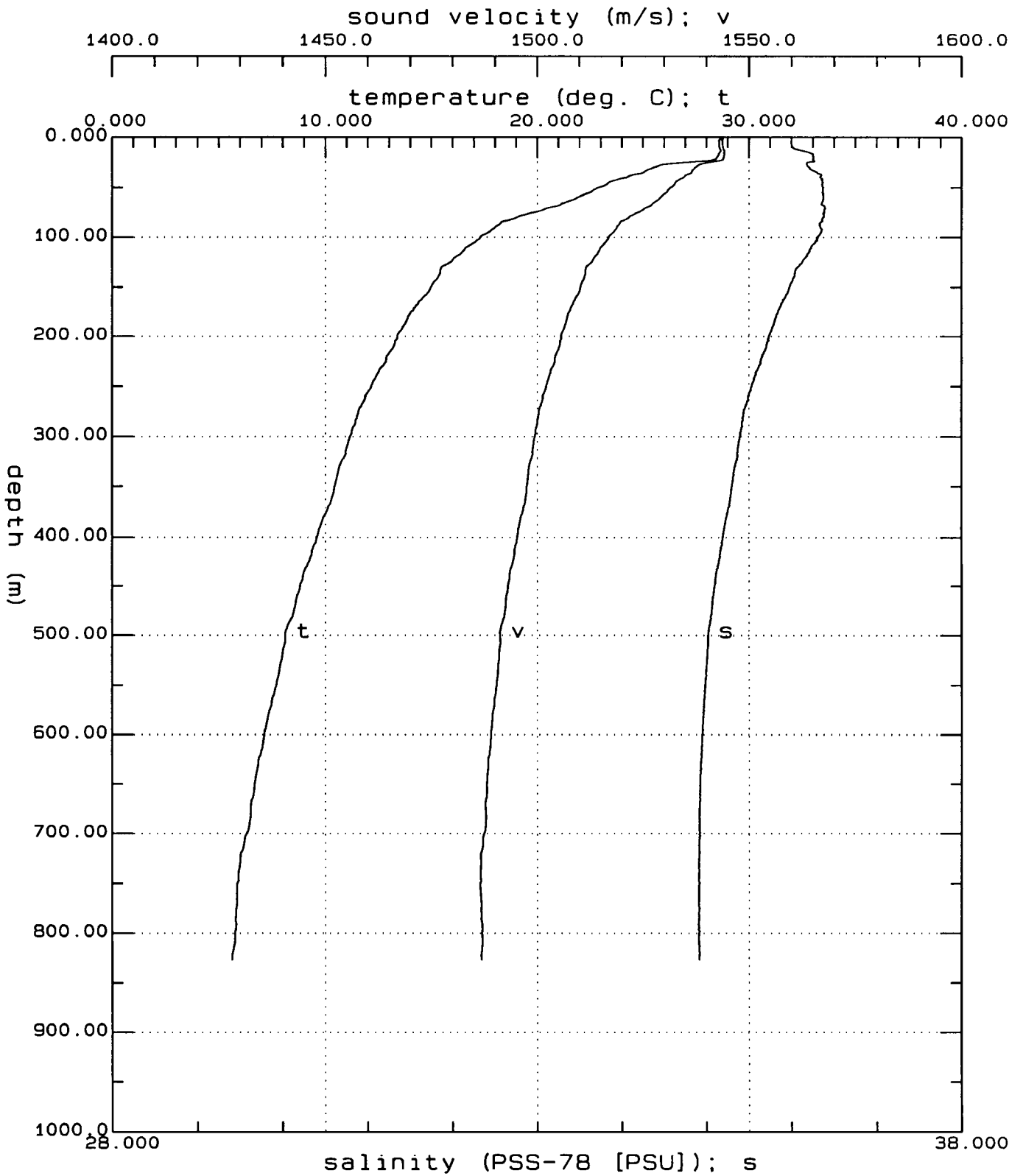


04-031.CNV: Gulfcet Cruise 02

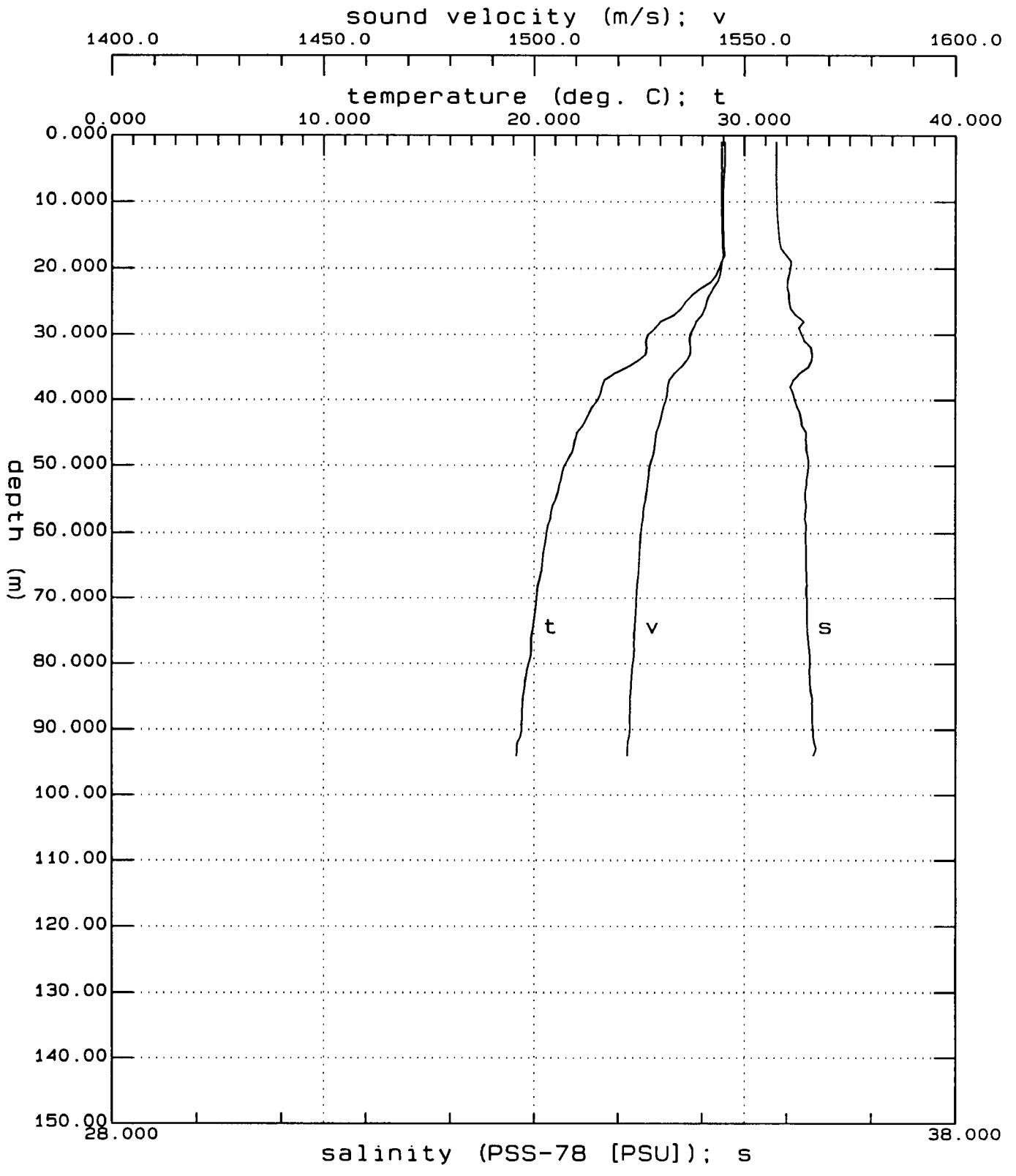


04-033.CNV: Gulfcet Cruise 02

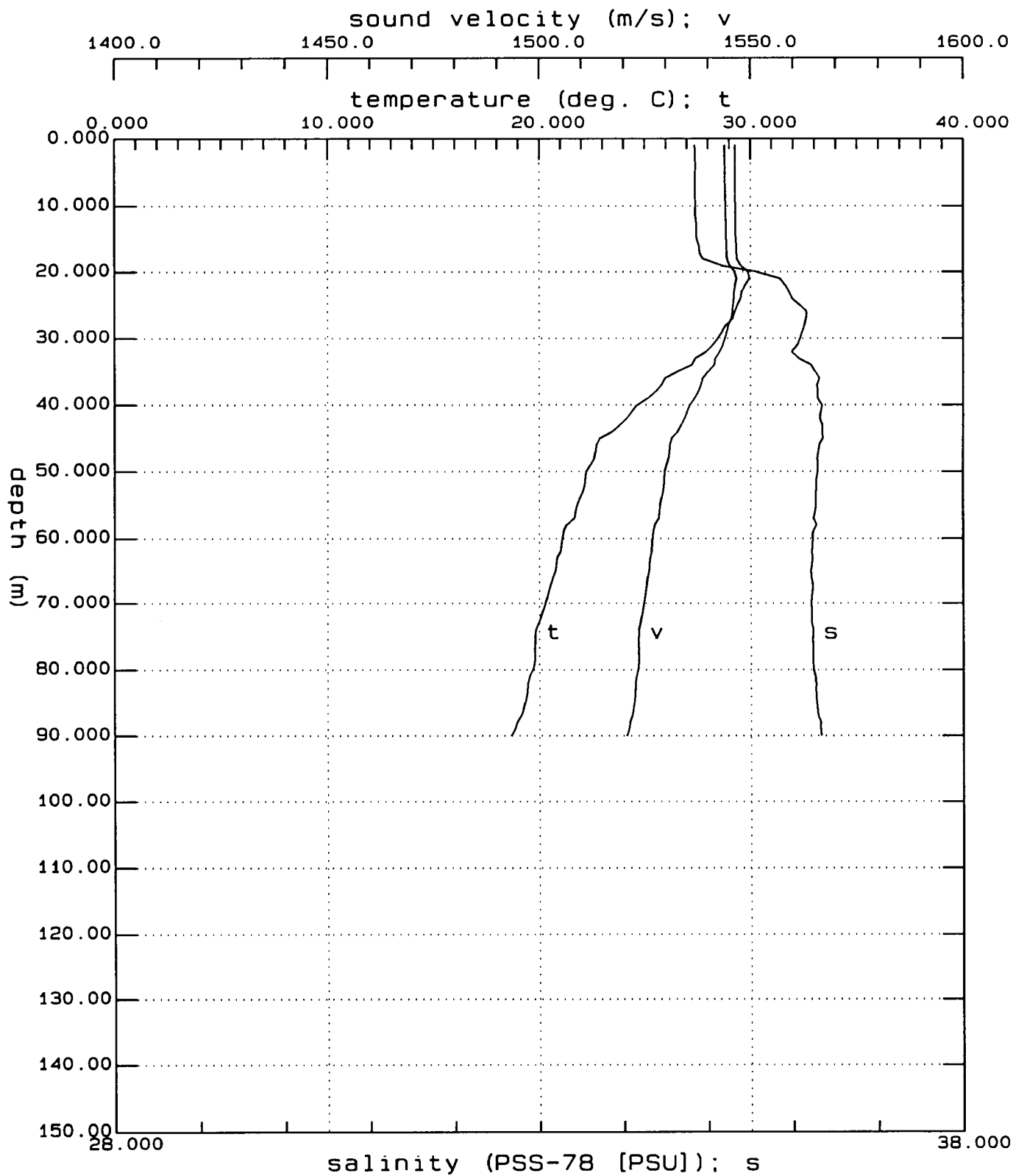




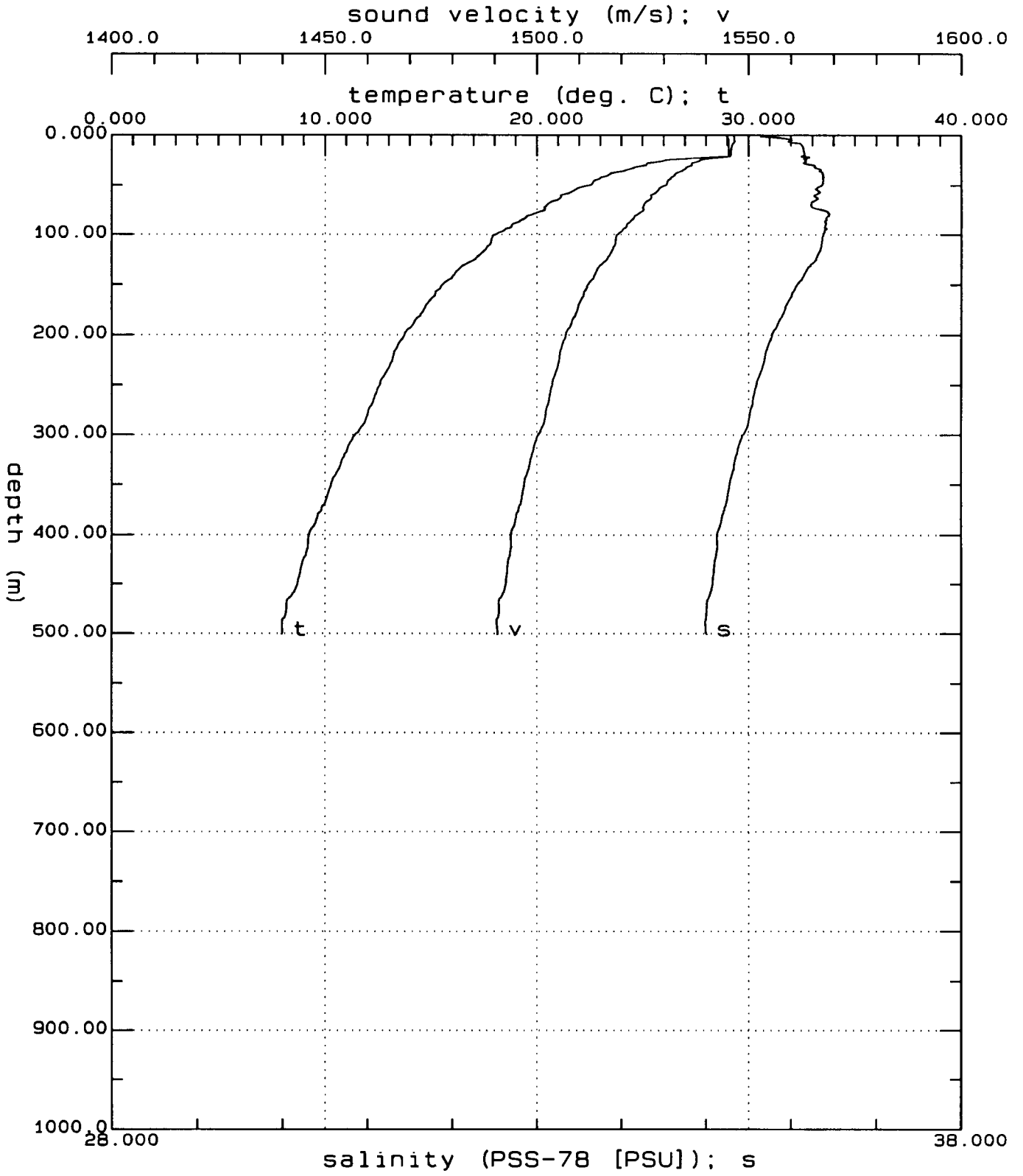
04-036.CNV: Gulfcet Cruise 02



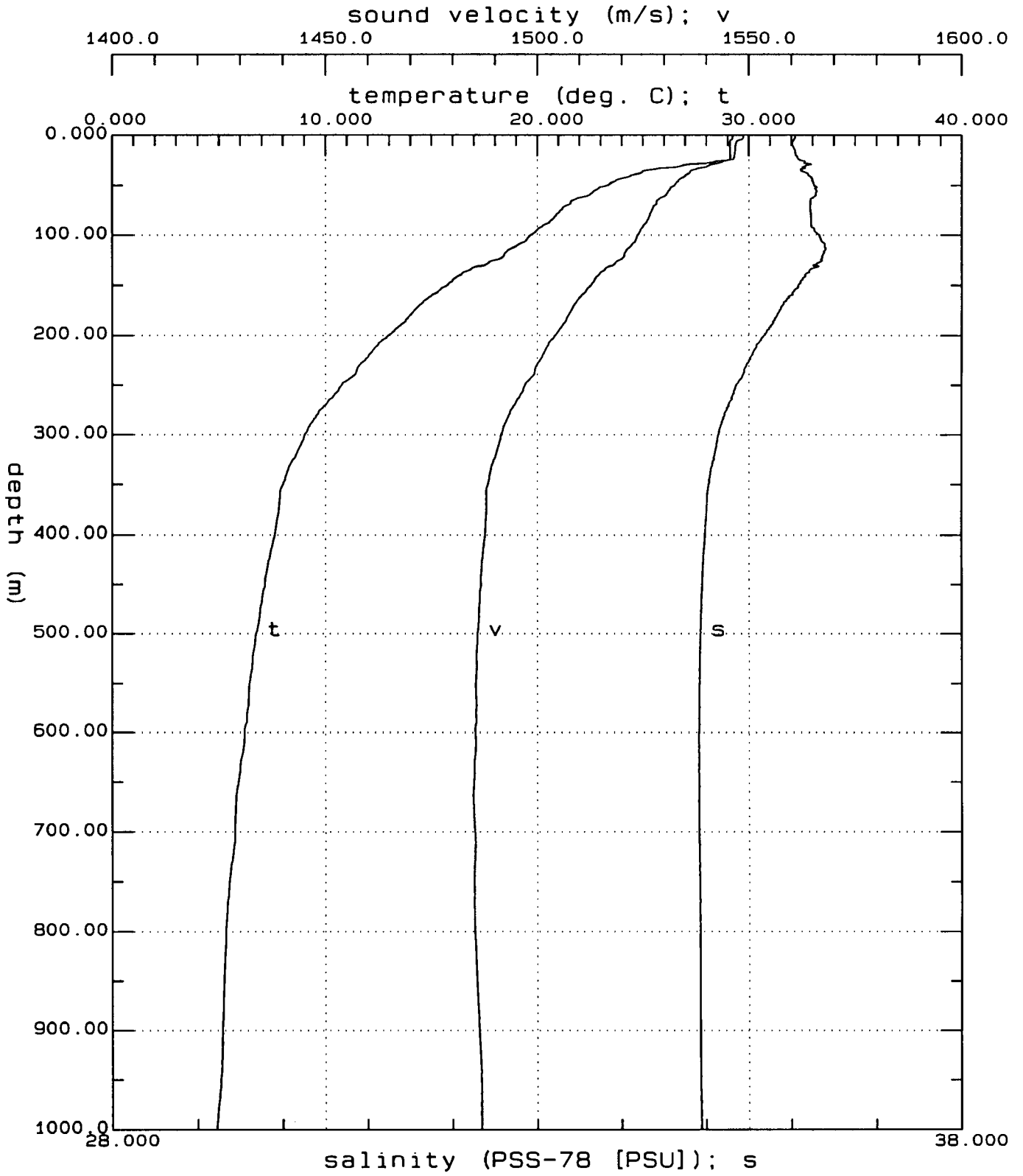
04-042.CNV: Gulfcet Cruise 02



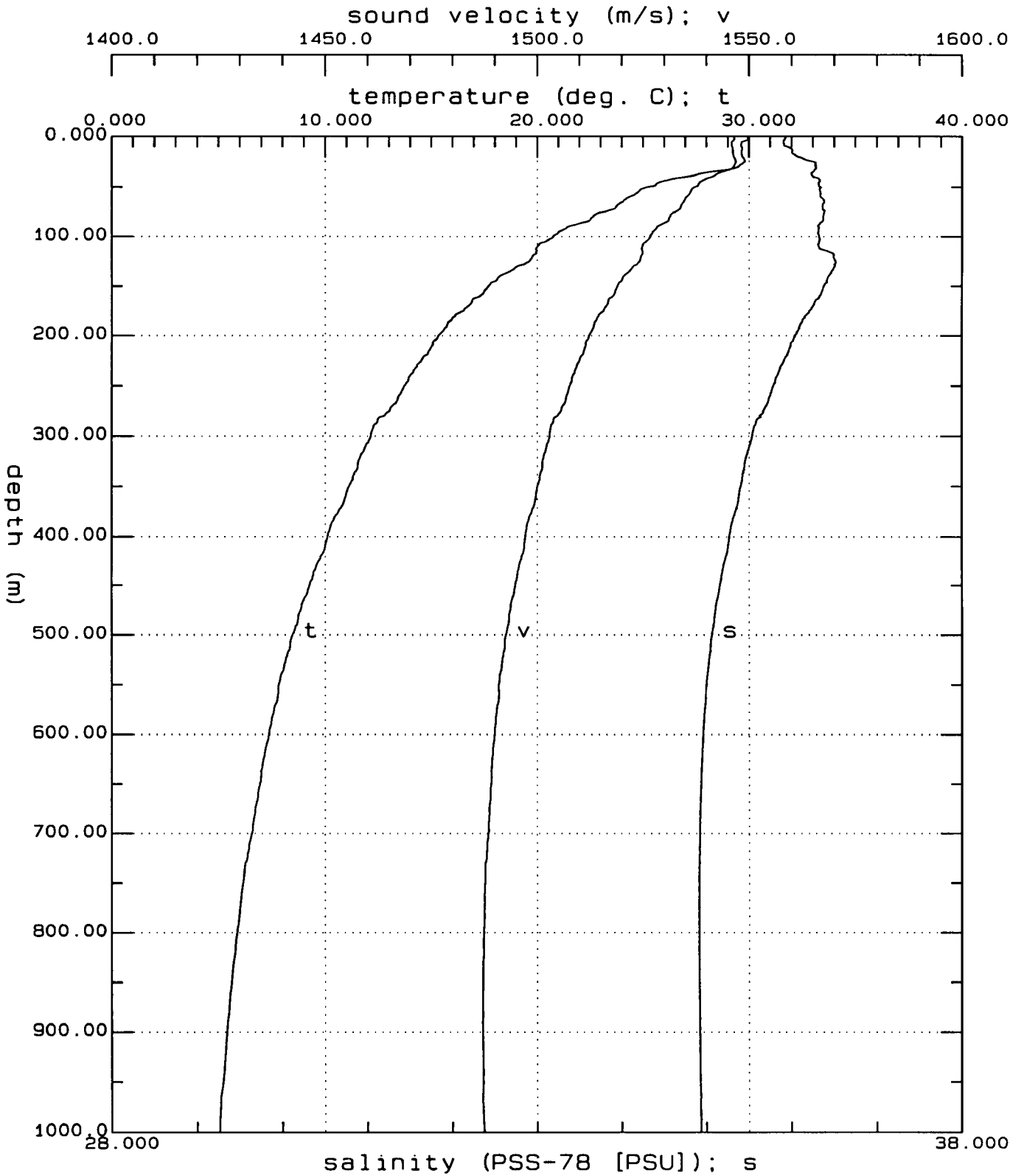
05-43.CNV: Gulfcet Cruise 02



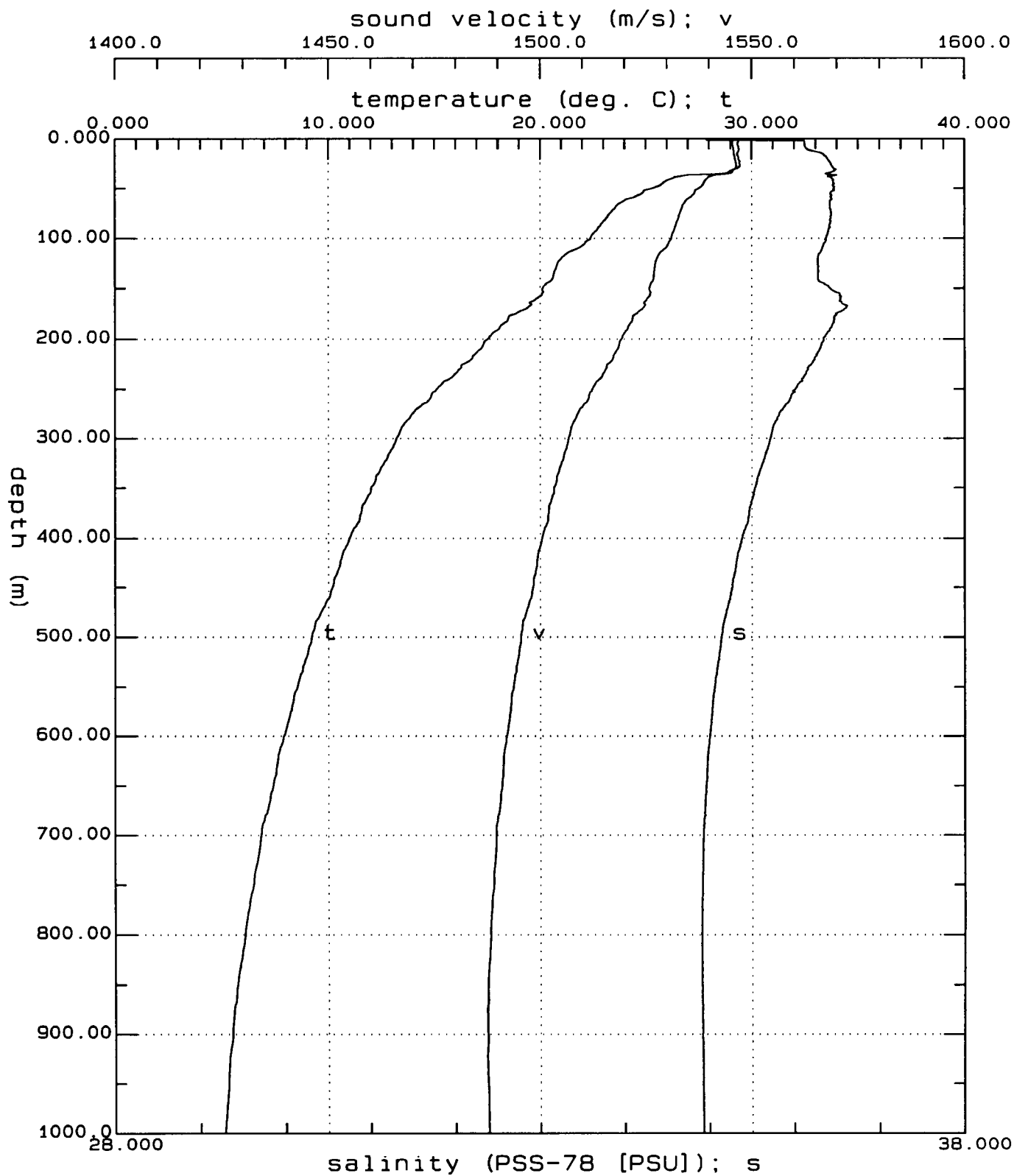
05-47.CNV: Gulfcet Cruise 02



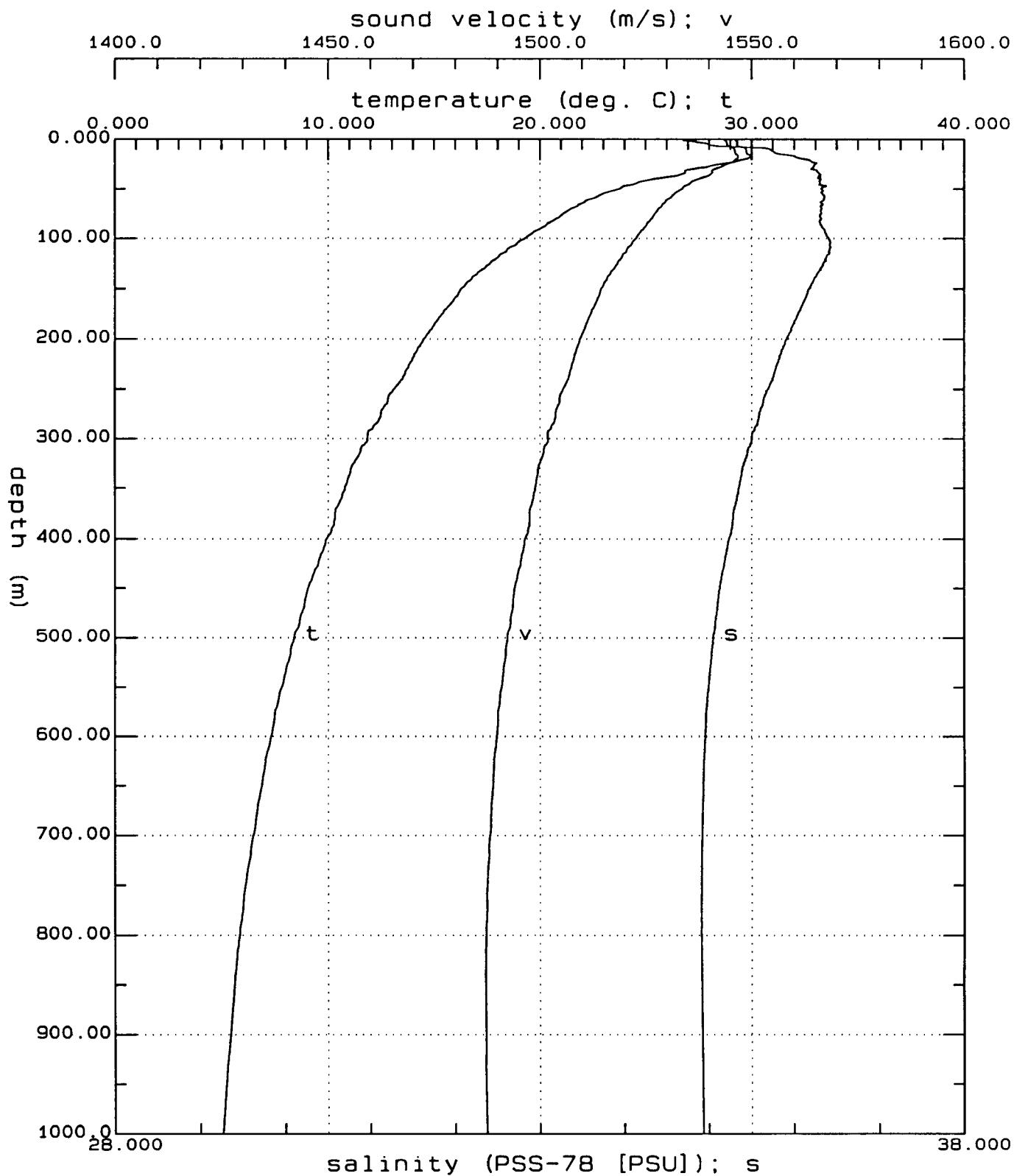
05-050.CNV: Gulfcet Cruise 02



05-053.CNV: Gulfcet Cruise 02

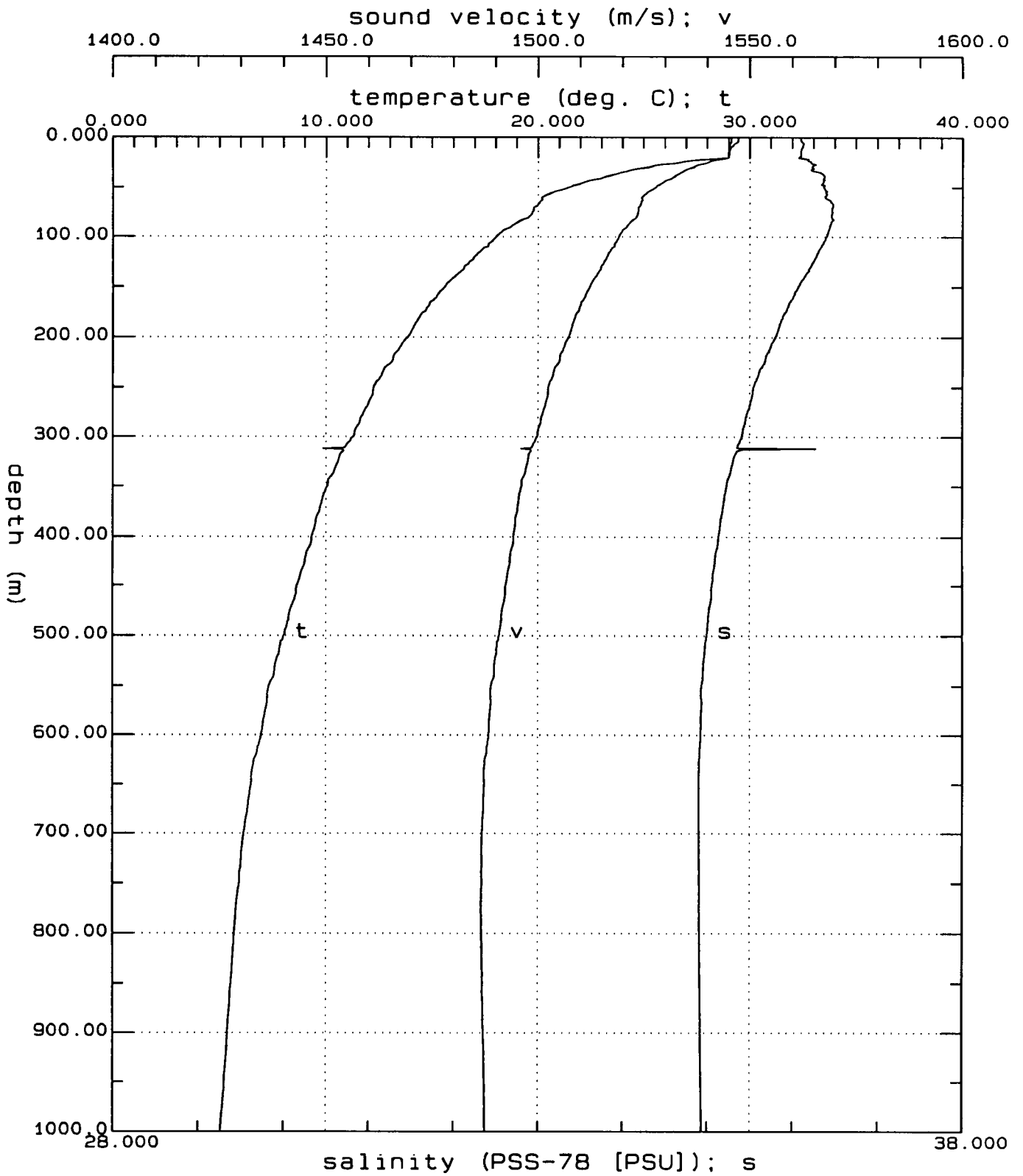


06-54.CNV: Gulfcet Cruise 02

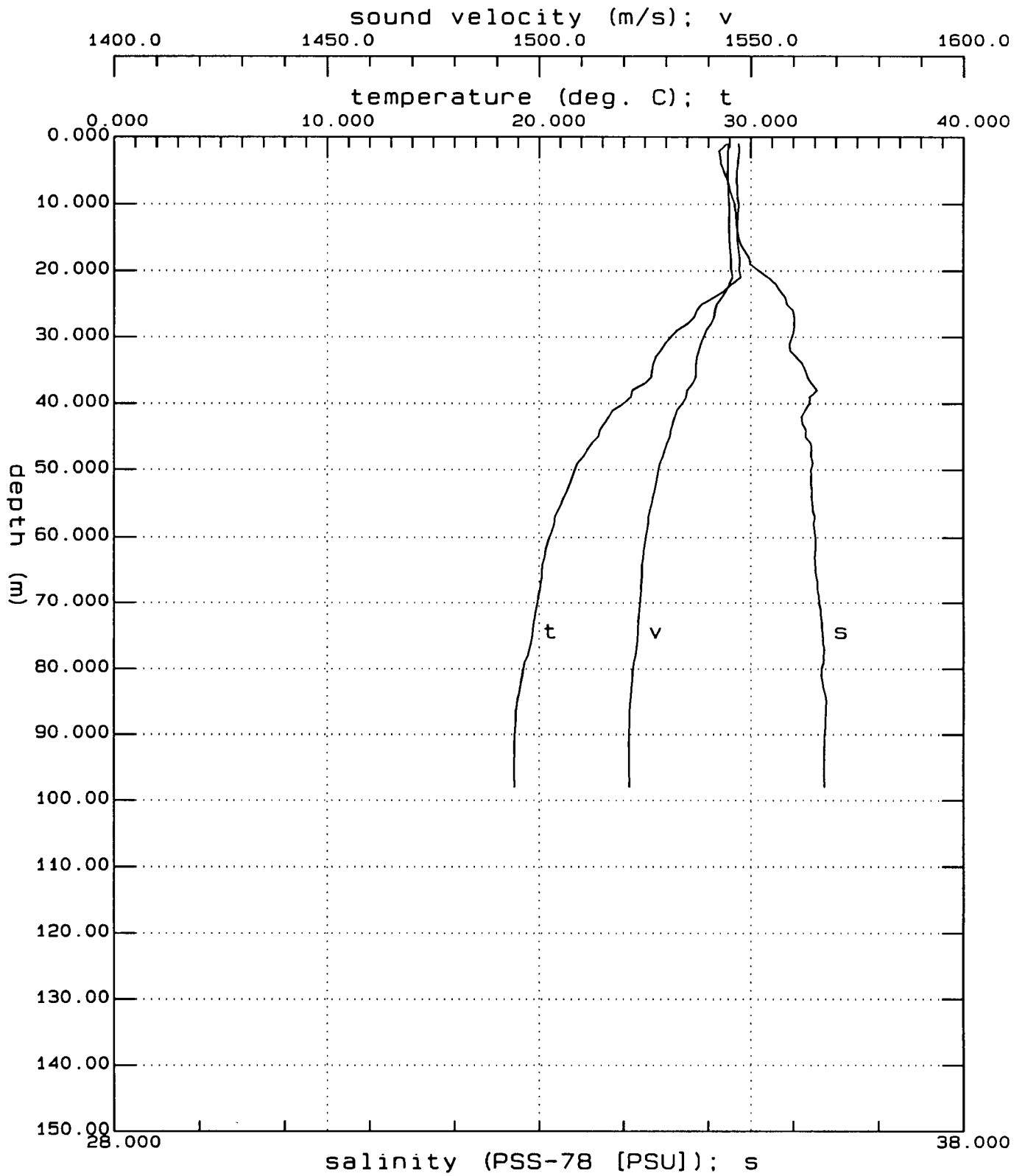


06-055.CNV: Gulfcet Cruise 02

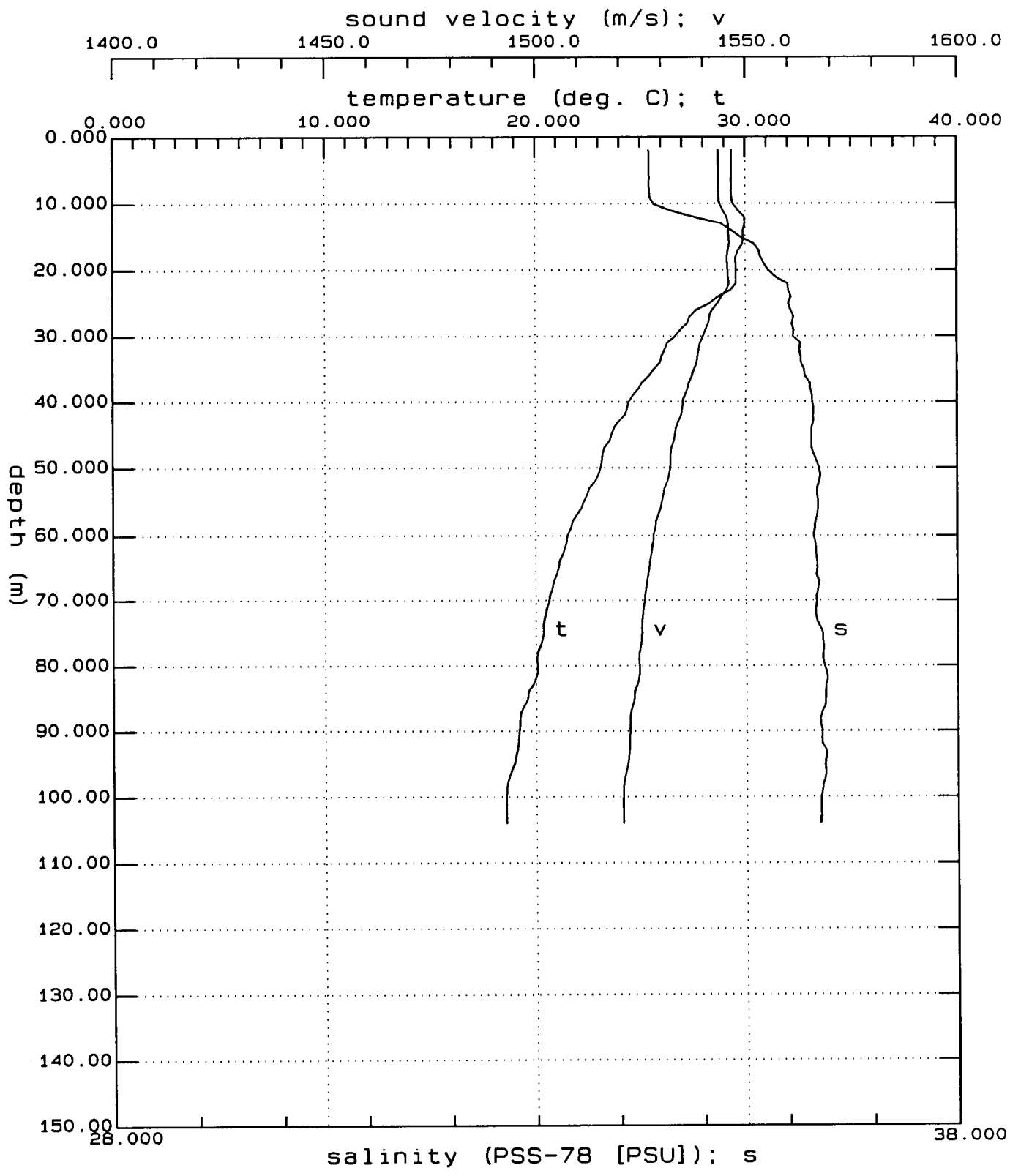




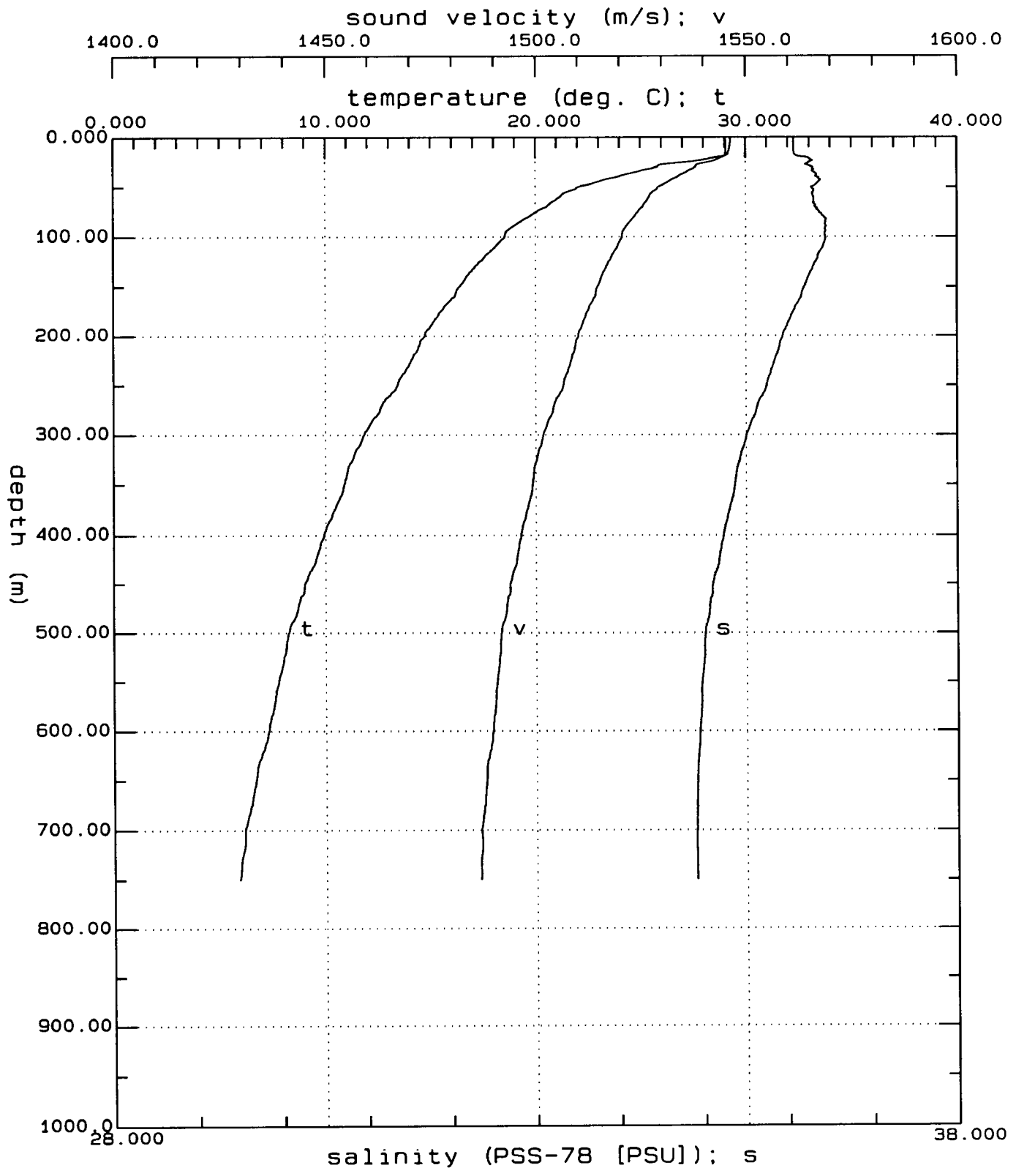
06-059.CNV: Gulfcet Cruise 02



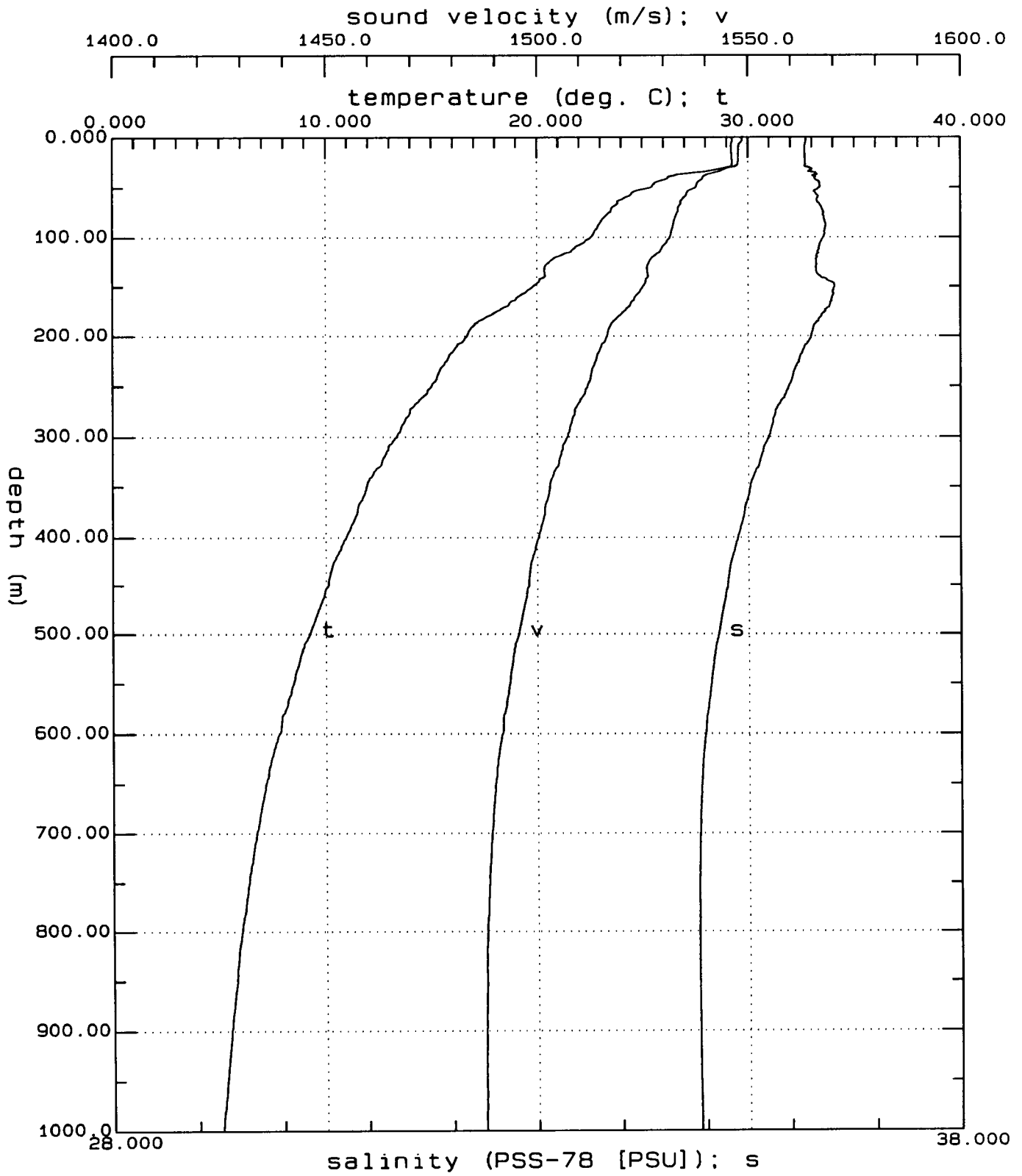
06-64.CNV: Gulfcet Cruise 02



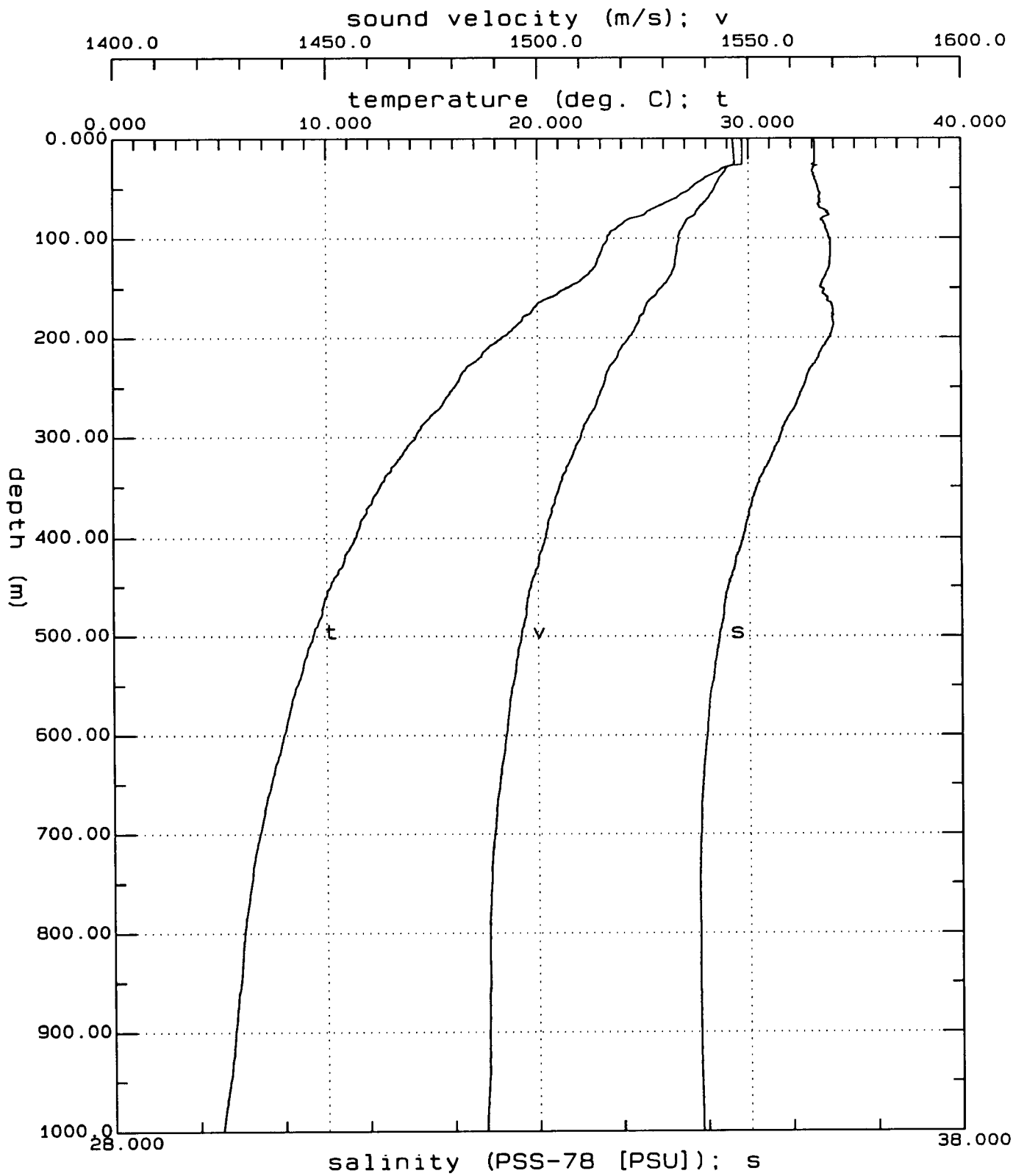
07-65.CNV: Gulfcet Cruise 02



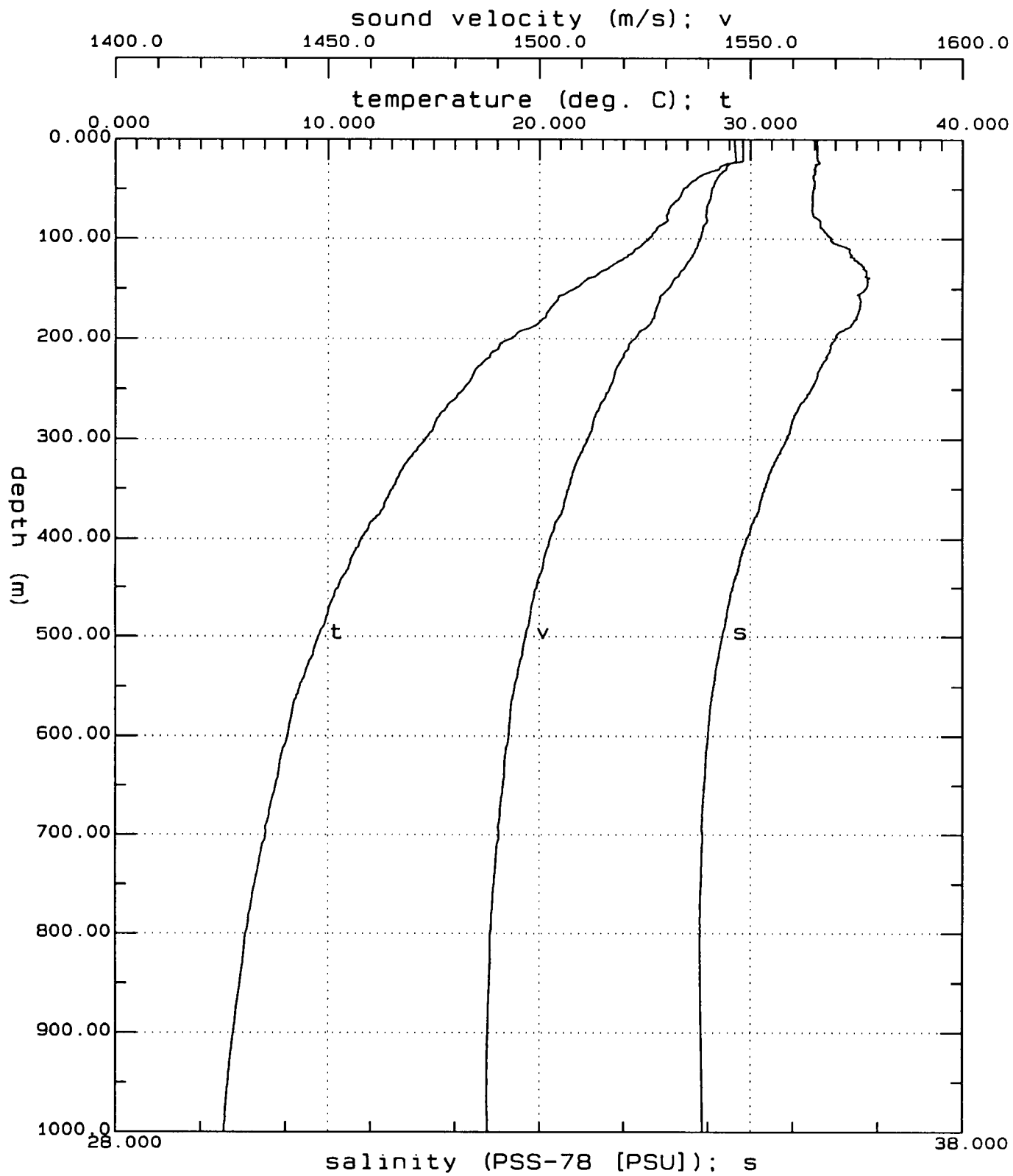
07-071.CNV: Gulfcet Cruise 02



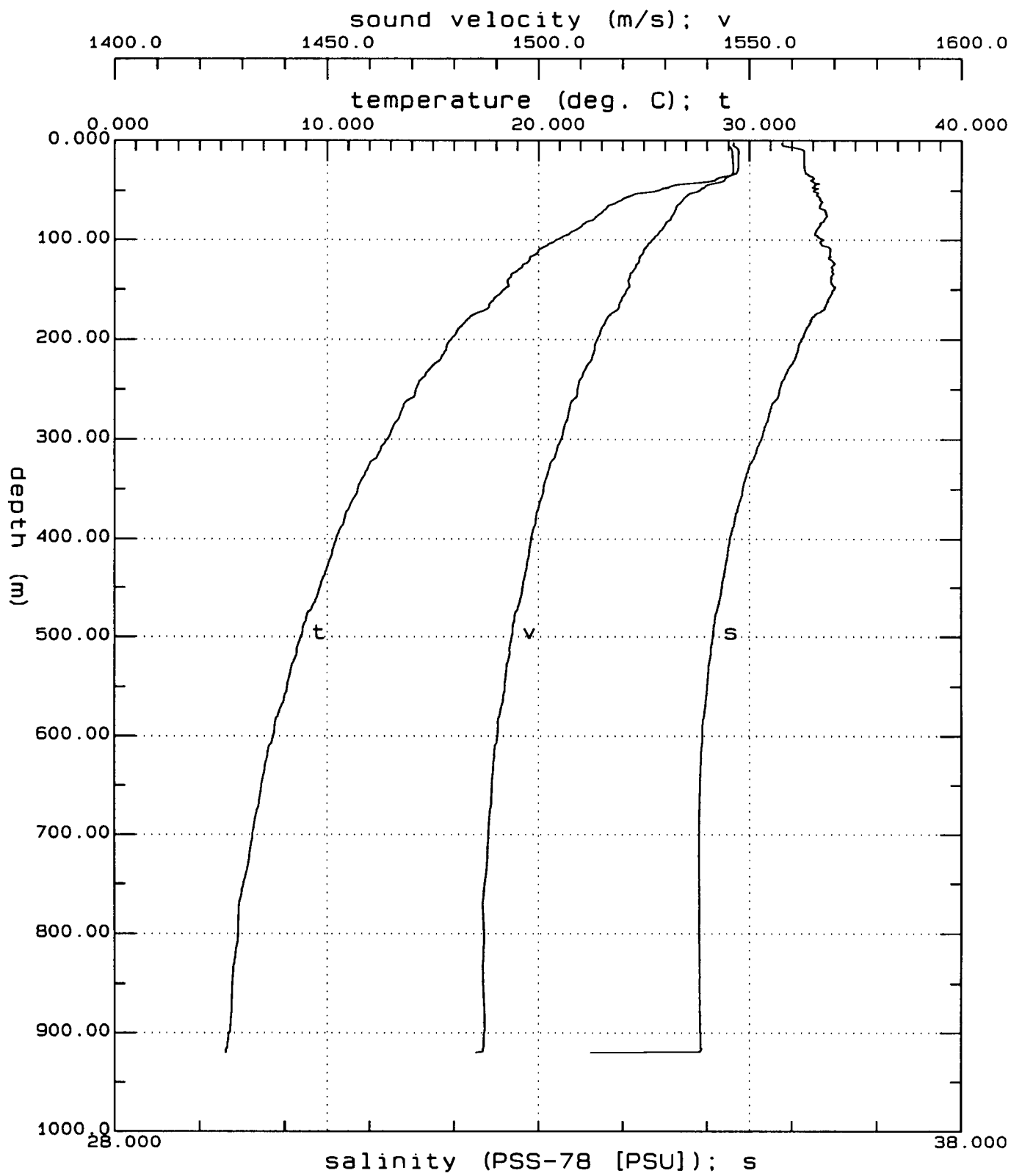
07-073.CNV: Gulfcet Cruise 02



07-75.CNV: Gulfcet Cruise 02

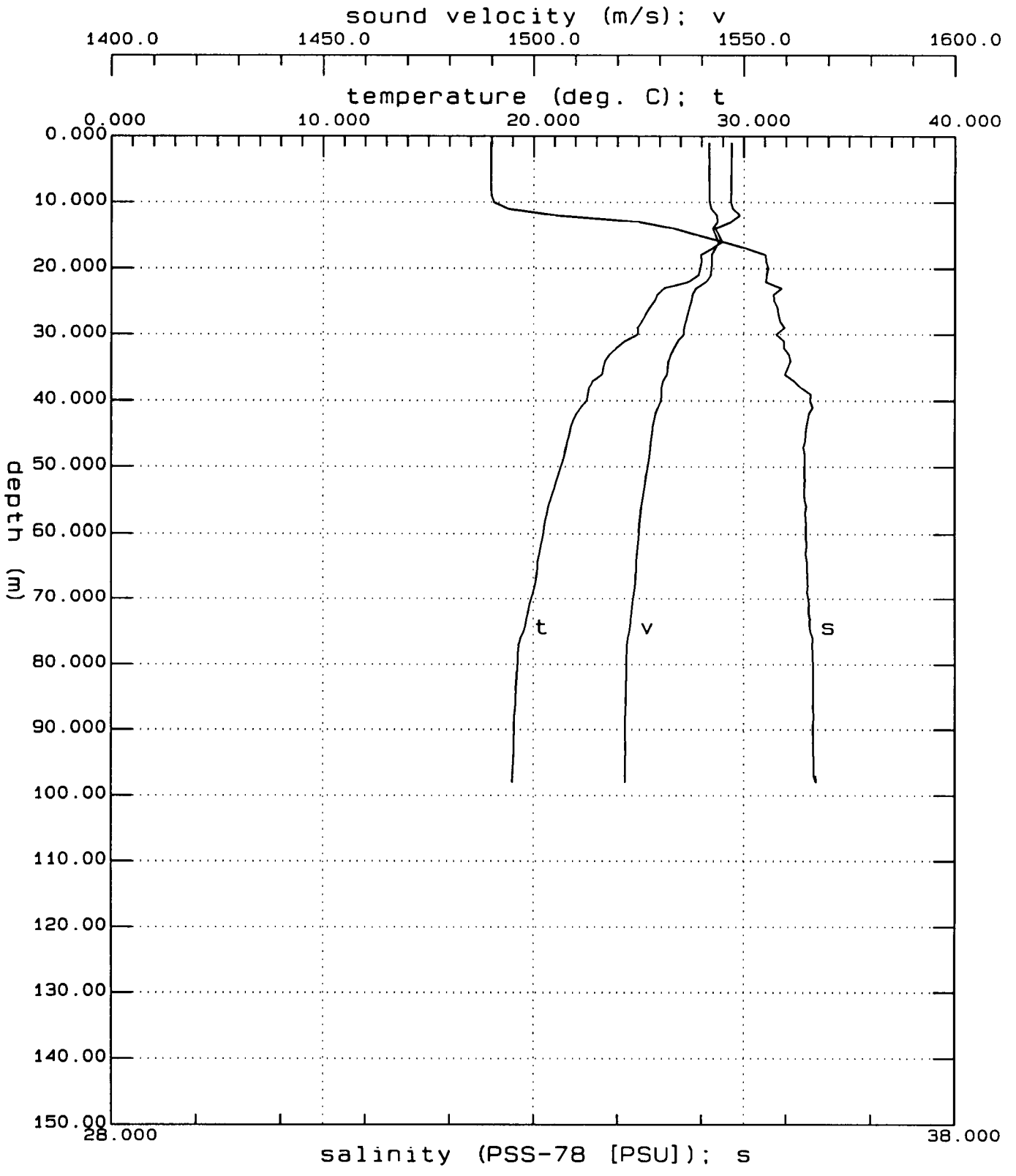


08-76.CNV: Gulfcet Cruise 02

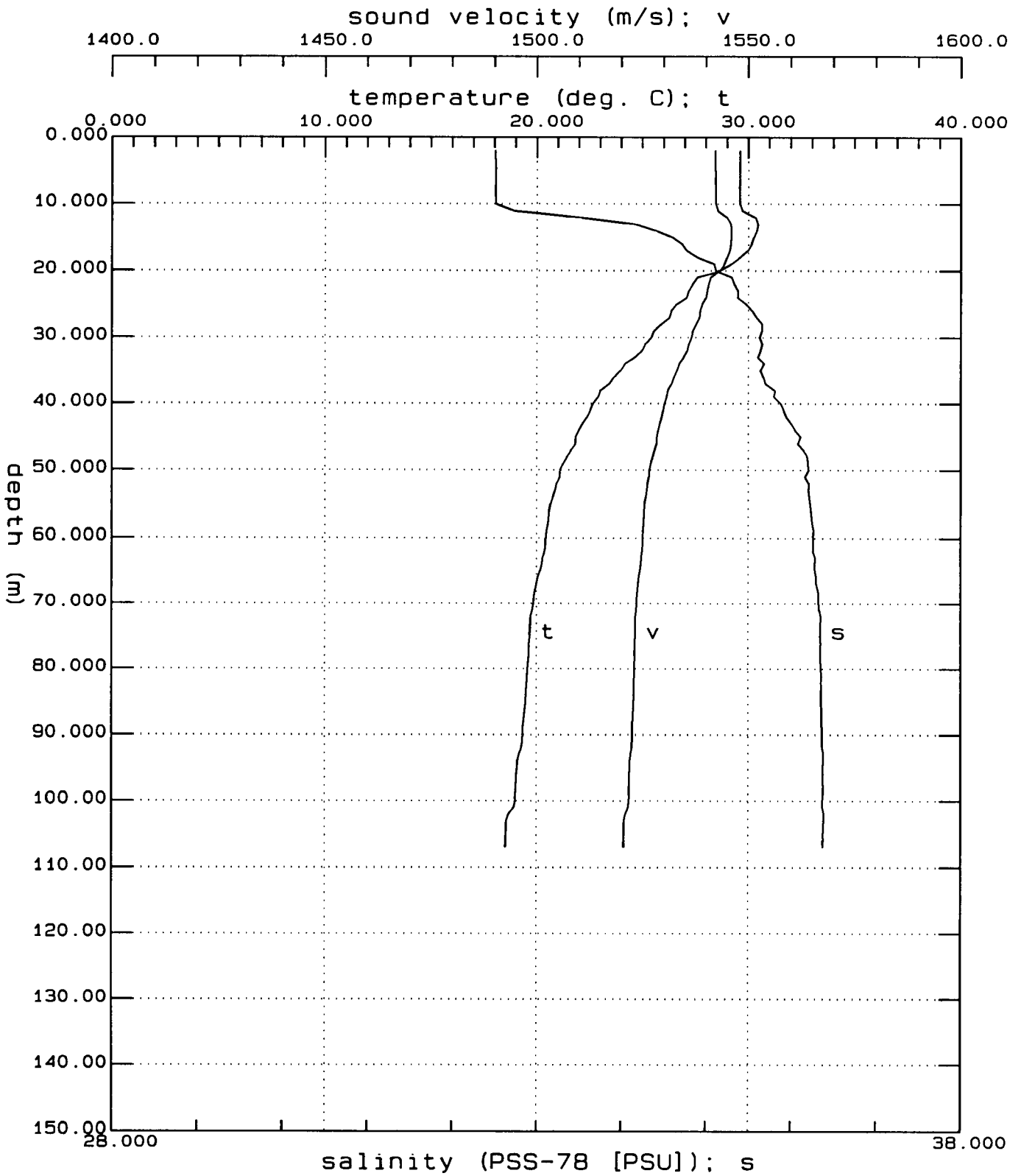


08-080.CNV: Gulfcet Cruise 02

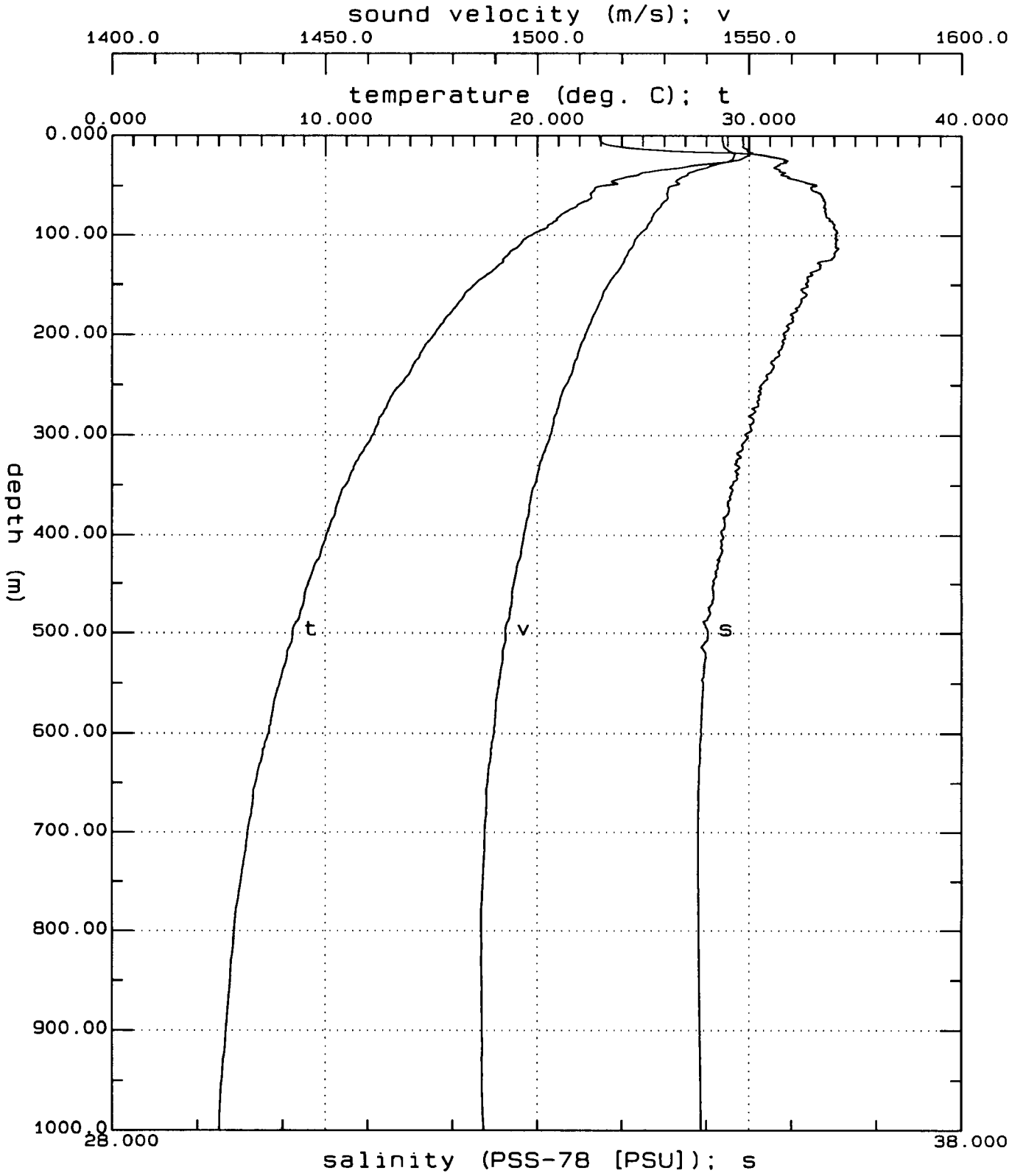




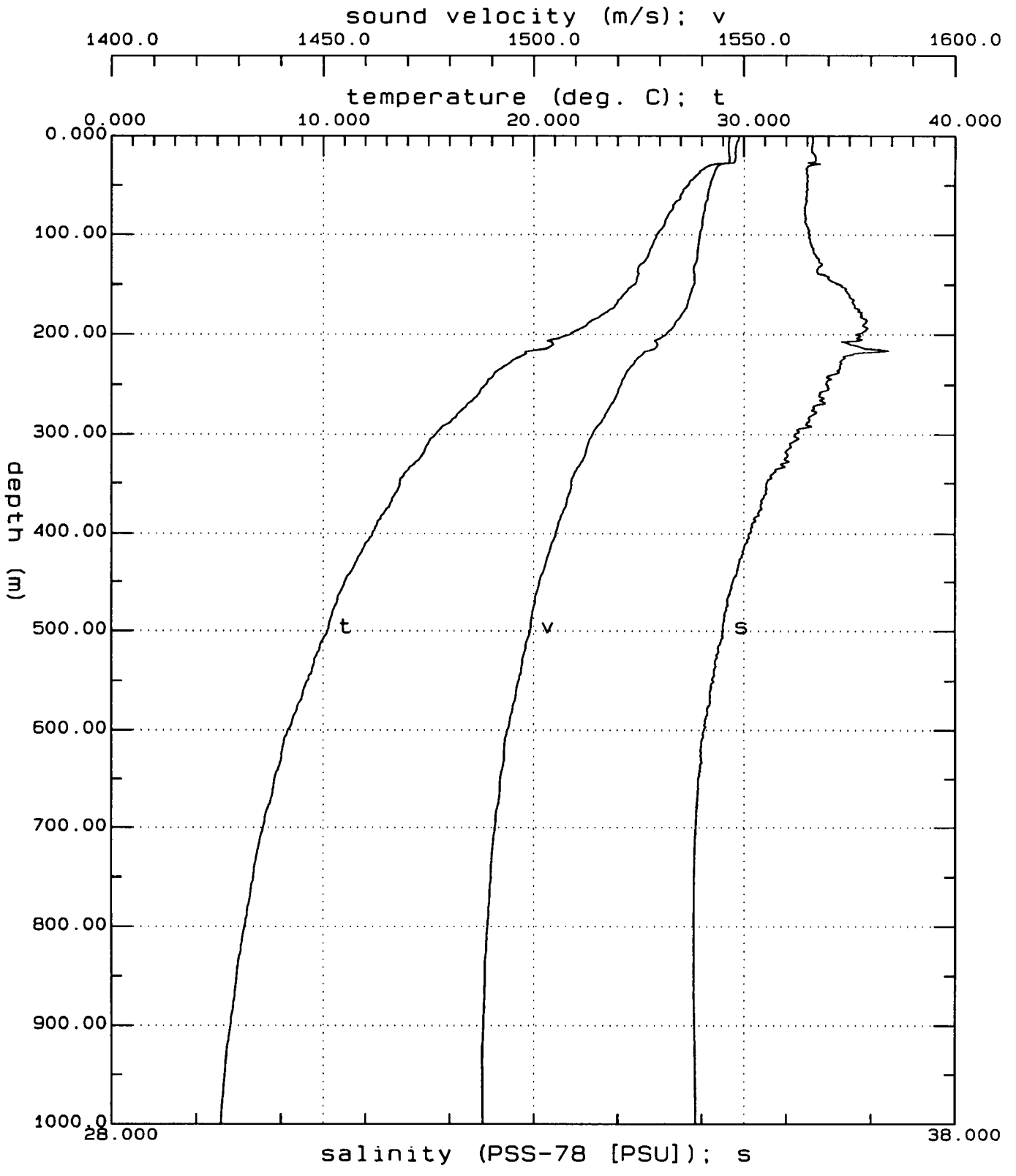
08-086.CNV: Gulfcet Cruise 02



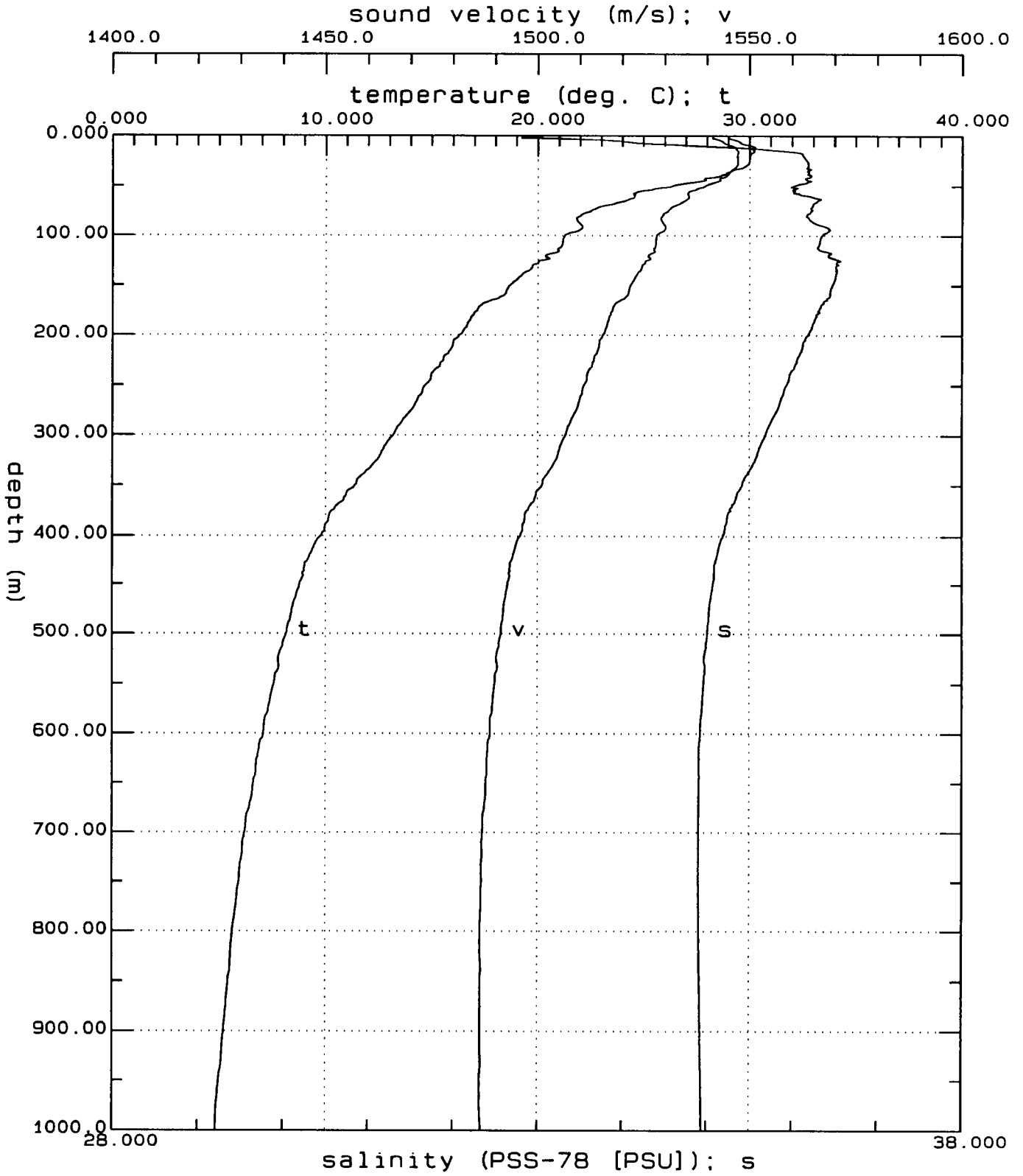
09-87.CNV: Gulfcet Cruise 02



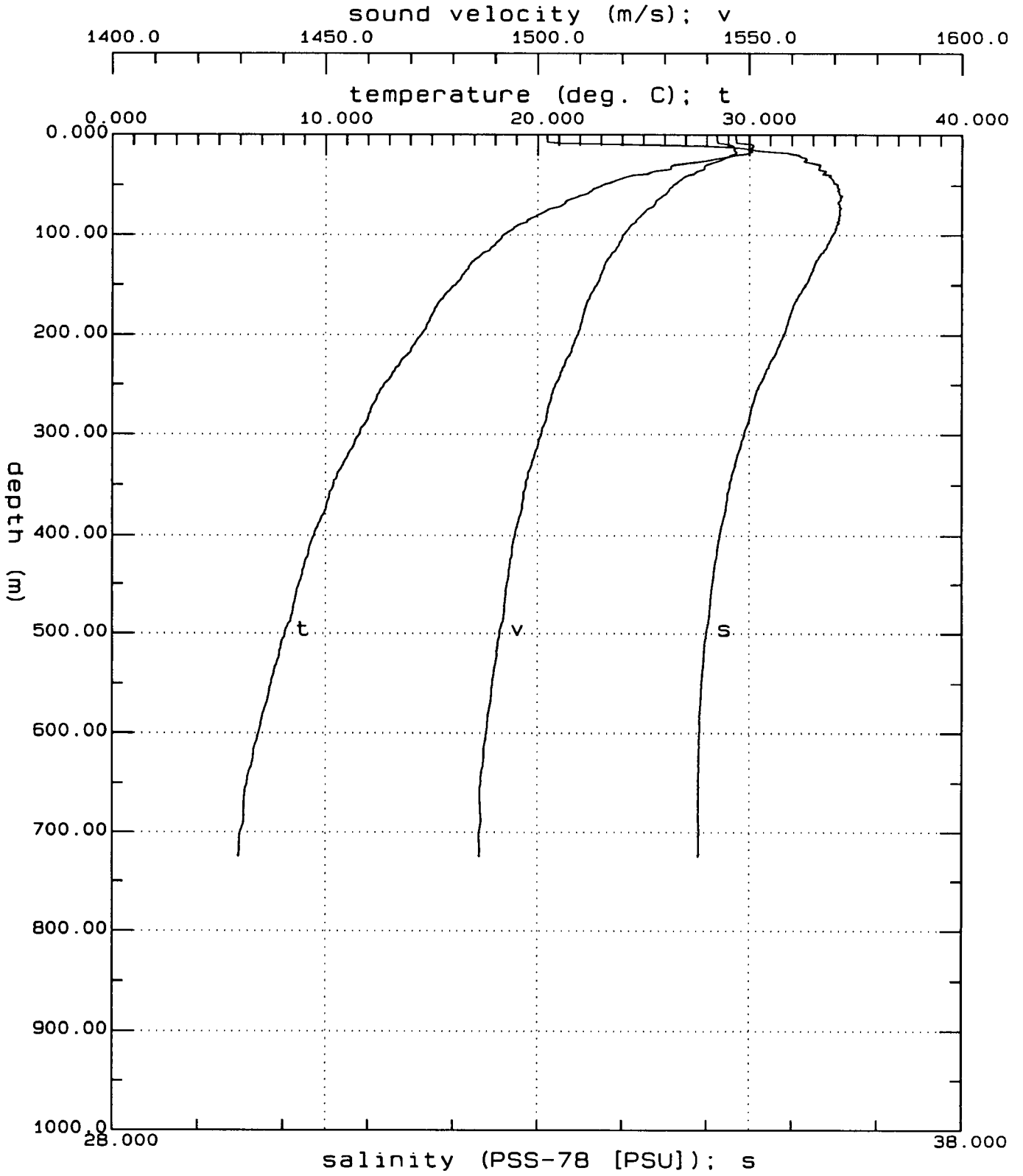
09-093.CNV: Gulfcet Cruise 02



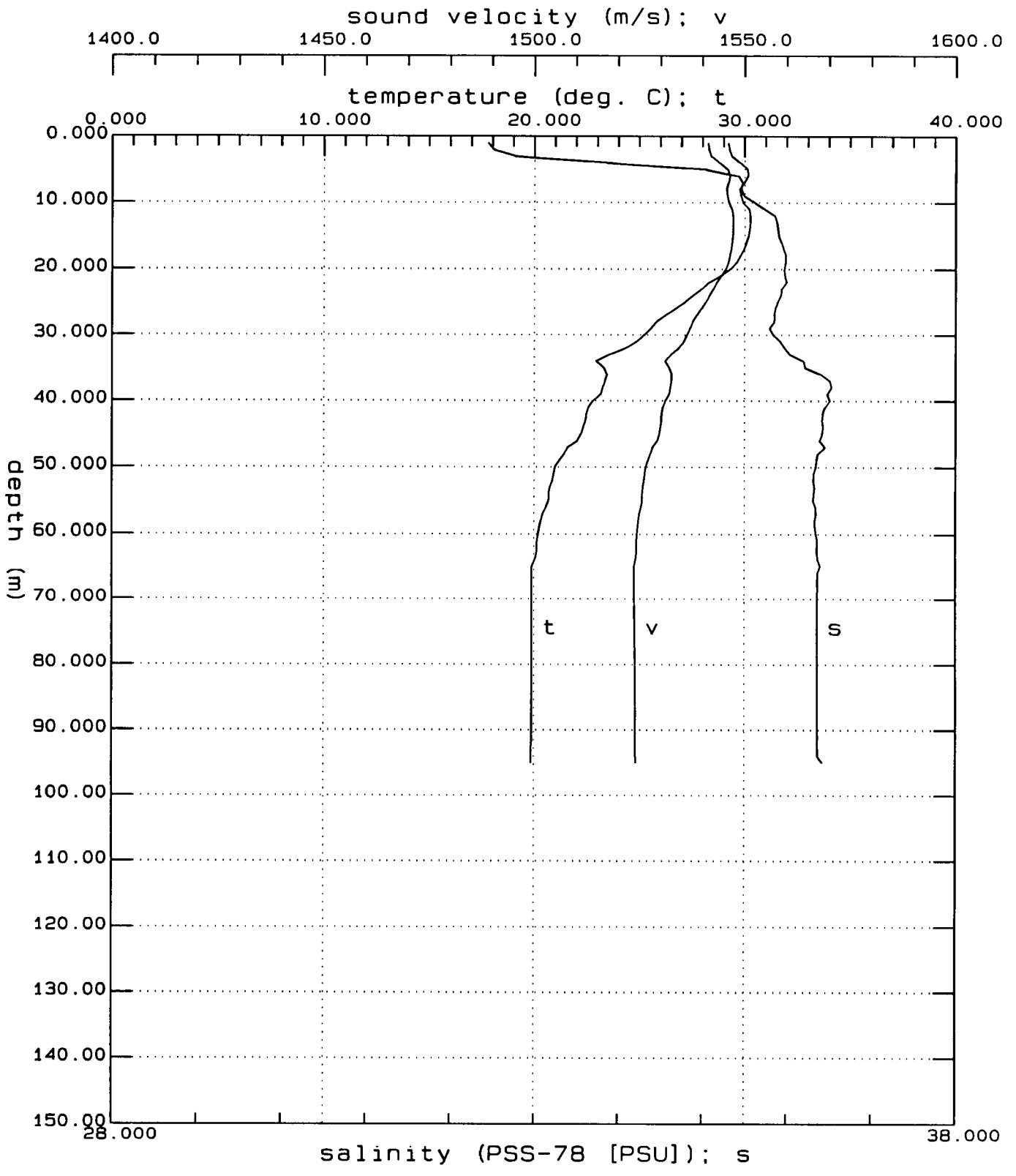
09-096.CNV: Gulfcet Cruise 02



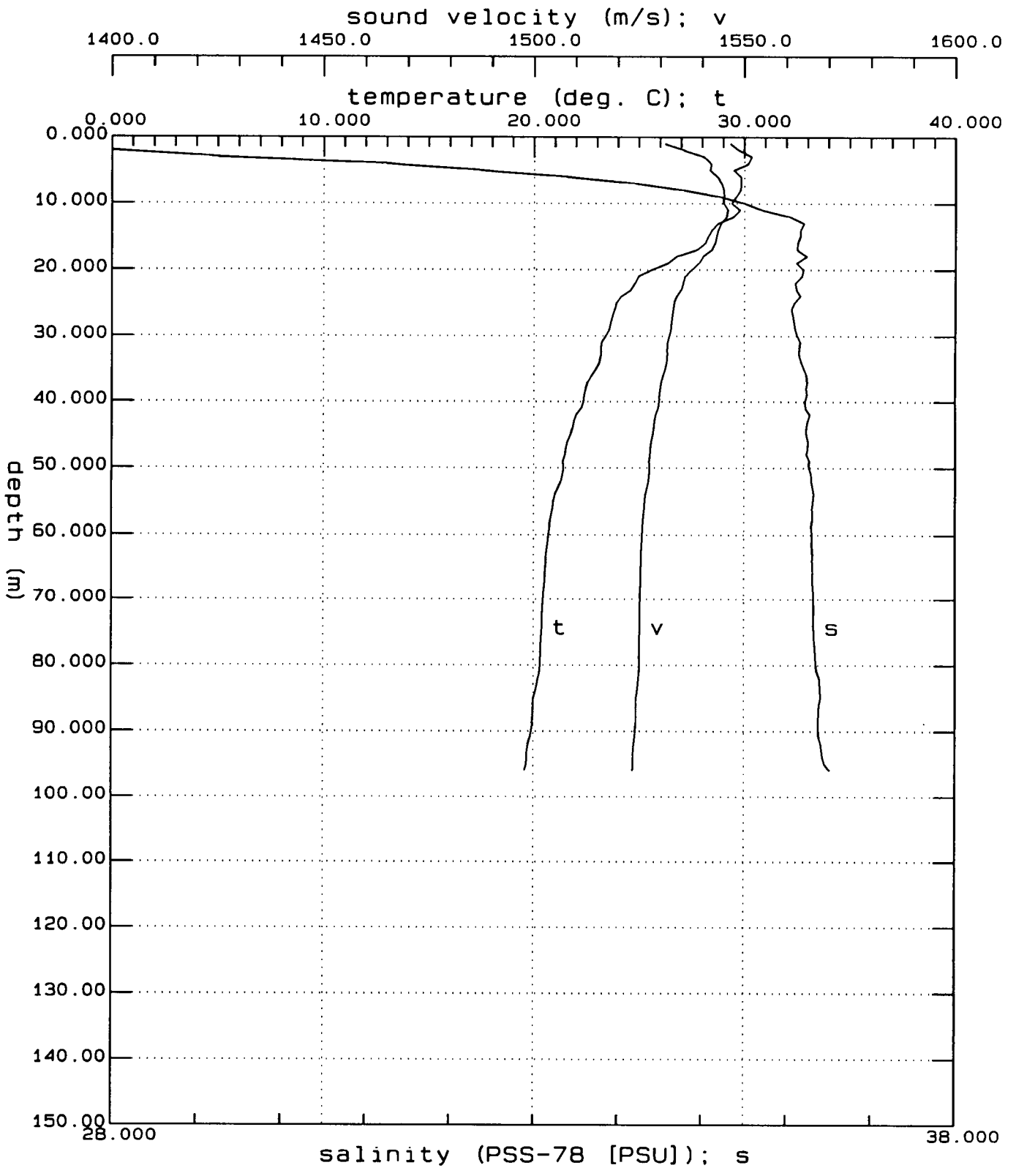
10-97.CNV: Gulfcet Cruise 02



10-100.CNV: Gulfcet Cruise 02

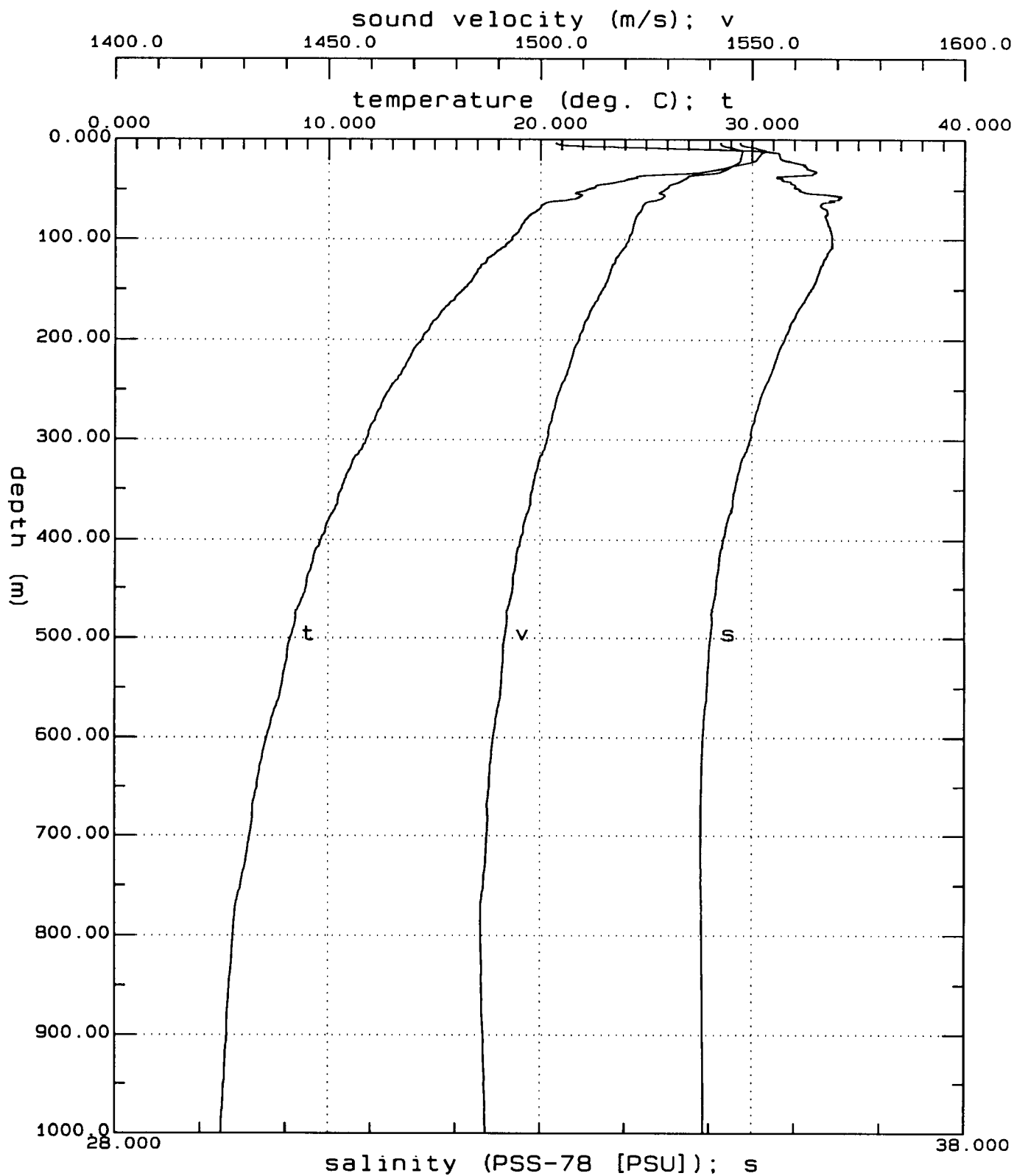


10-105.CNV: Gulfcet Cruise 02

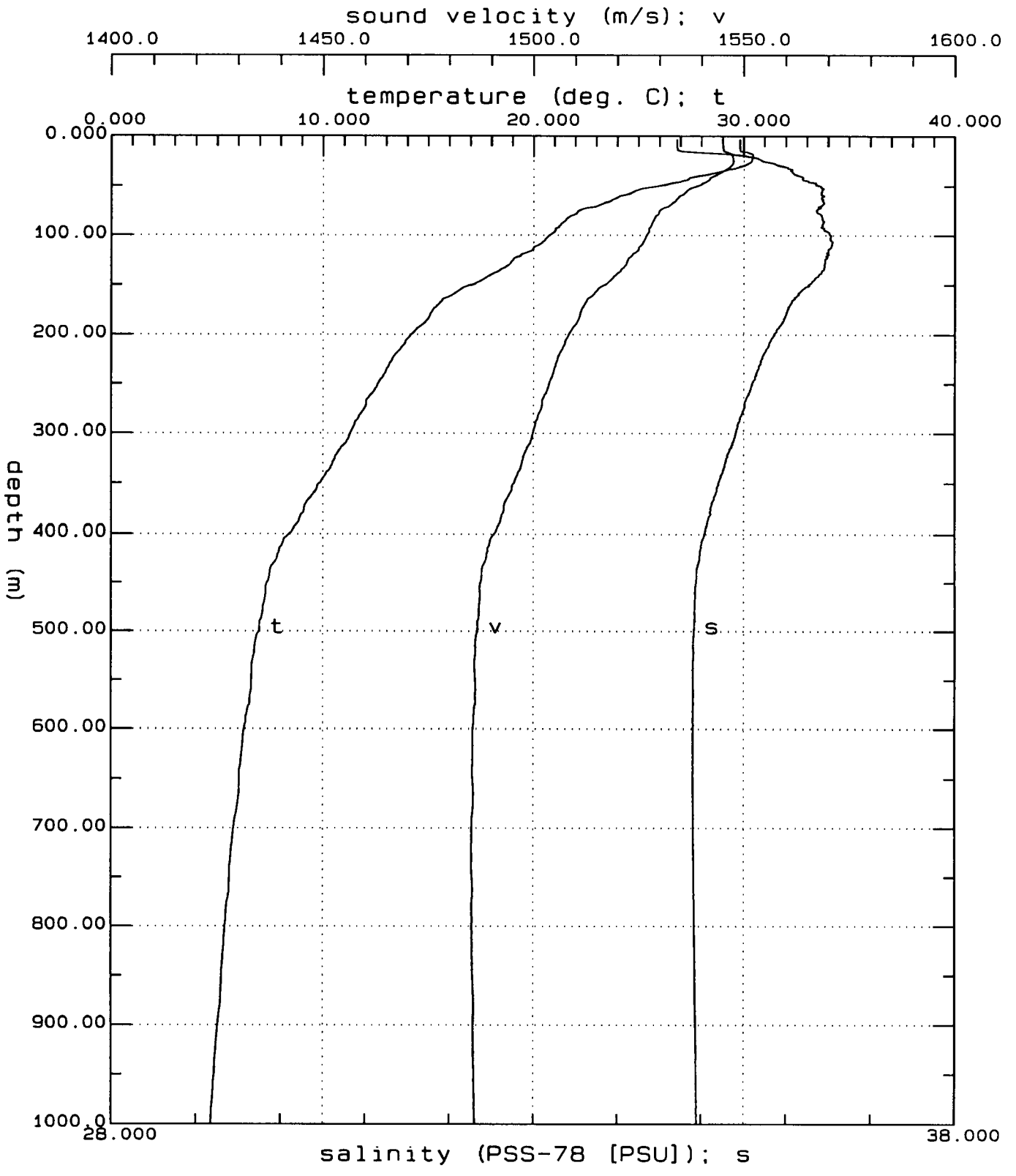


11-106.CNV: Gulfcet Cruise 02

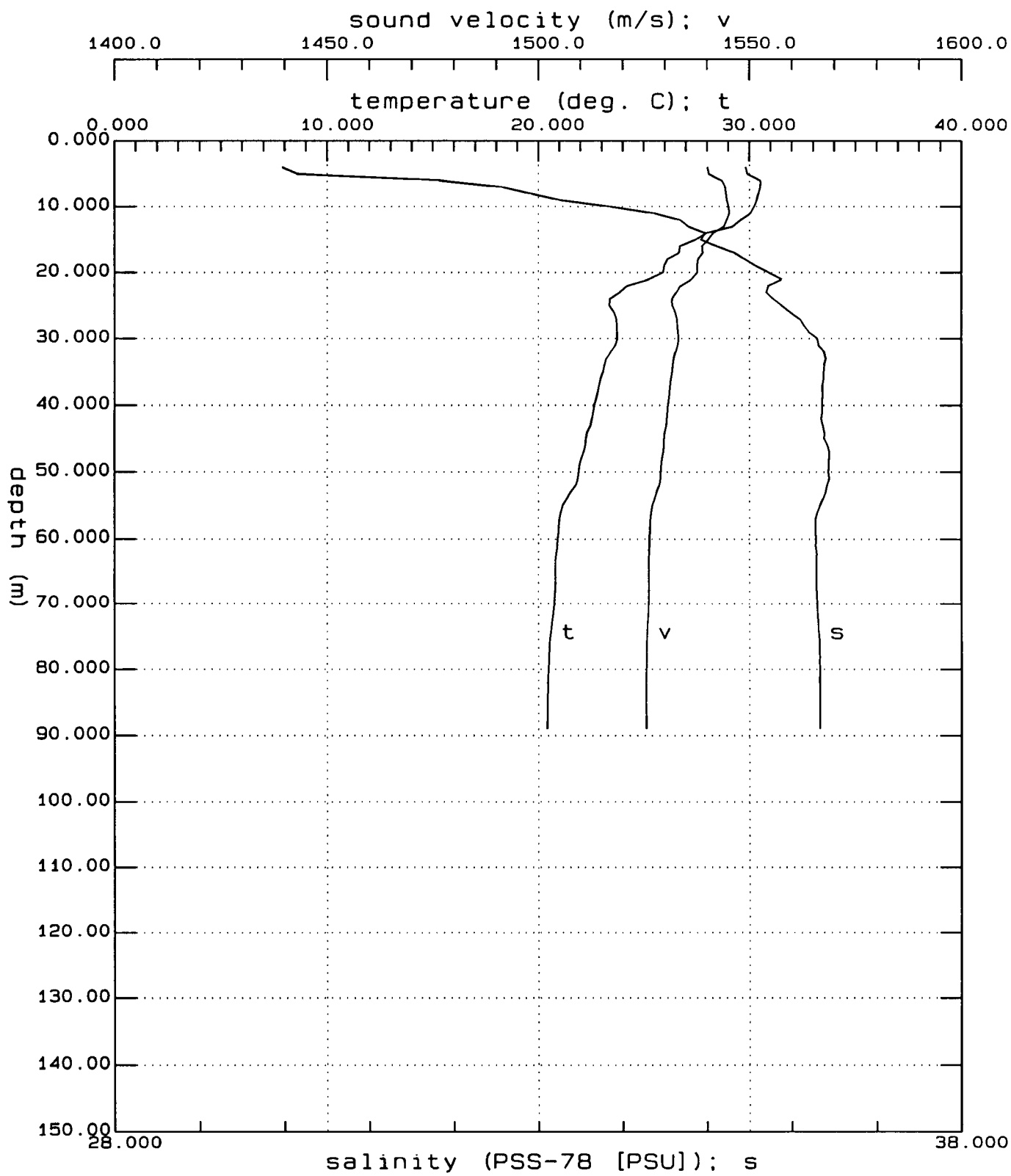




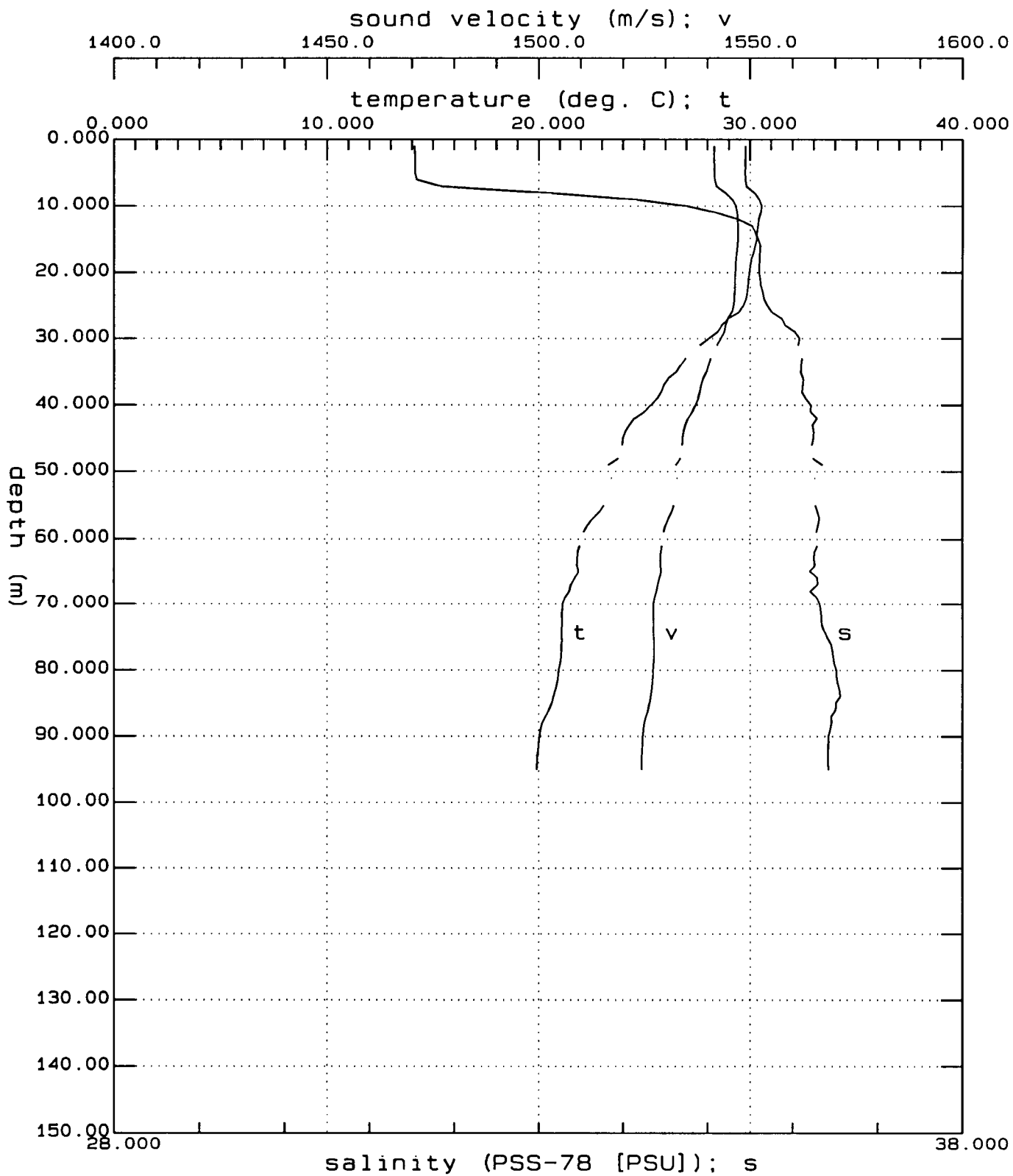
11-112.CNV: Gulfcet Cruise 02



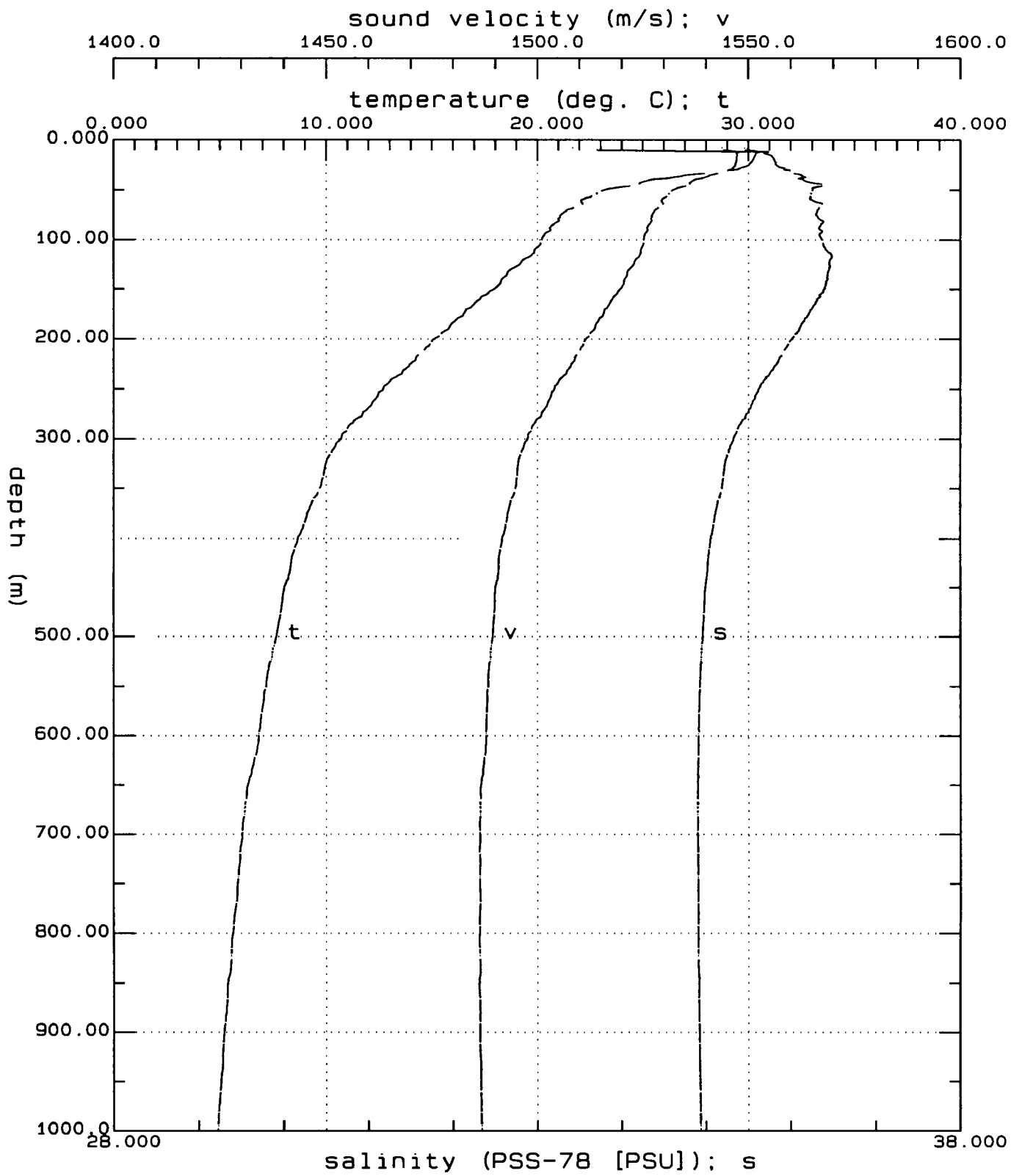
11-115.CNV: Gulfcet Cruise 02



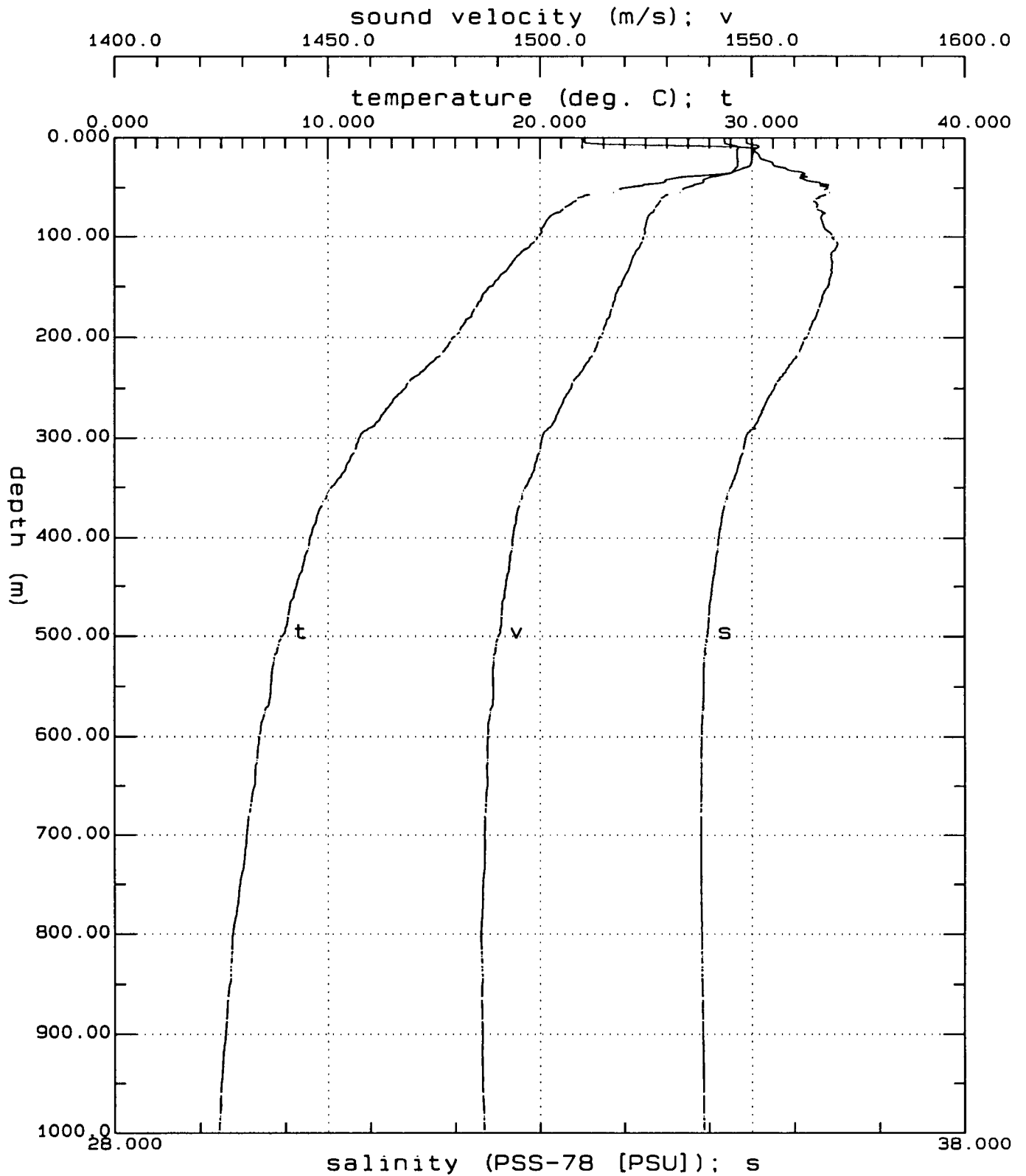
12-125.CNV: Gulfcet Cruise 02



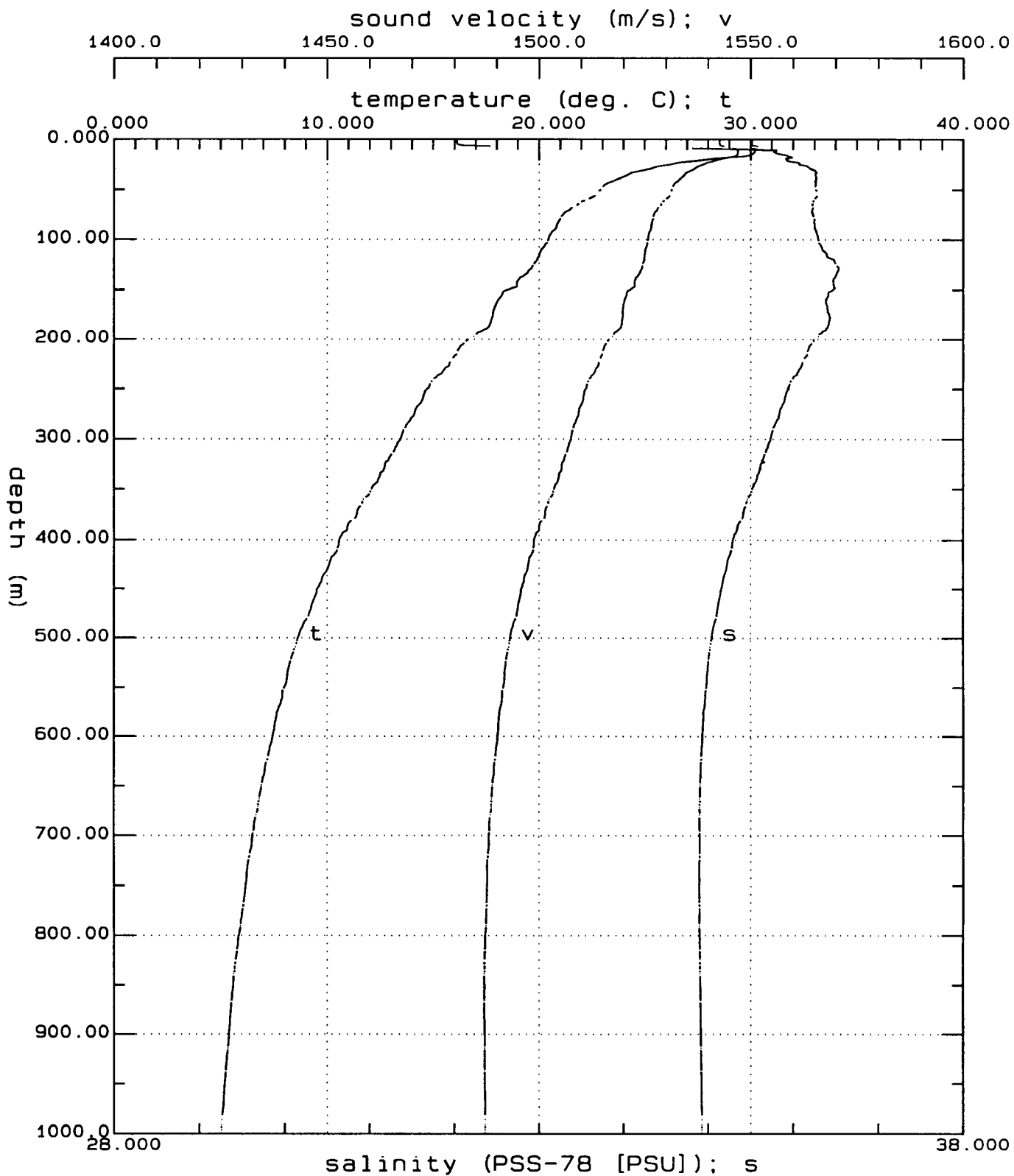
13-126.CNV: Gulfcet Cruise 02



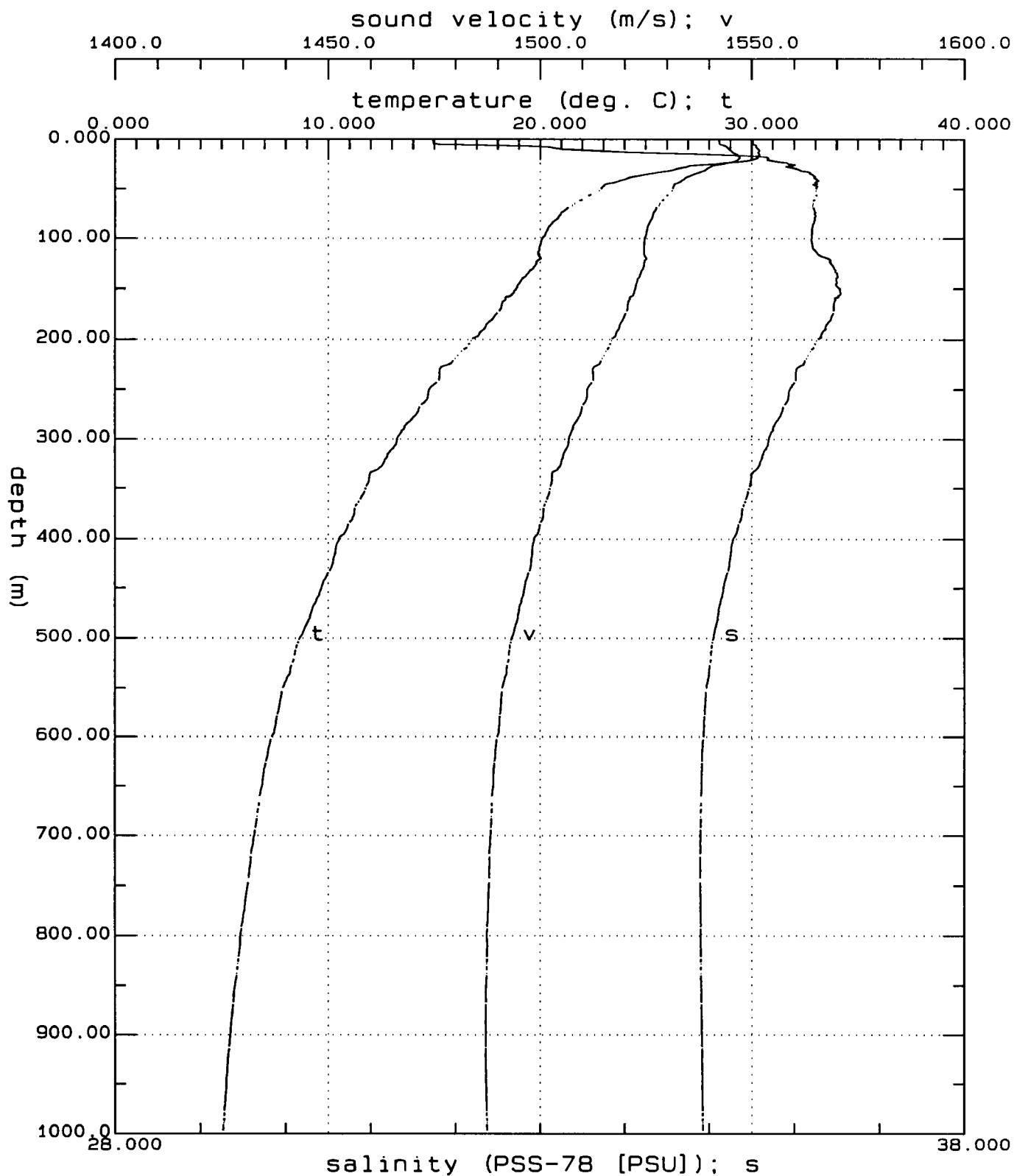
13-133.CNV: Gulfcet Cruise 02



13-134.CNV: Gulfcet Cruise 02

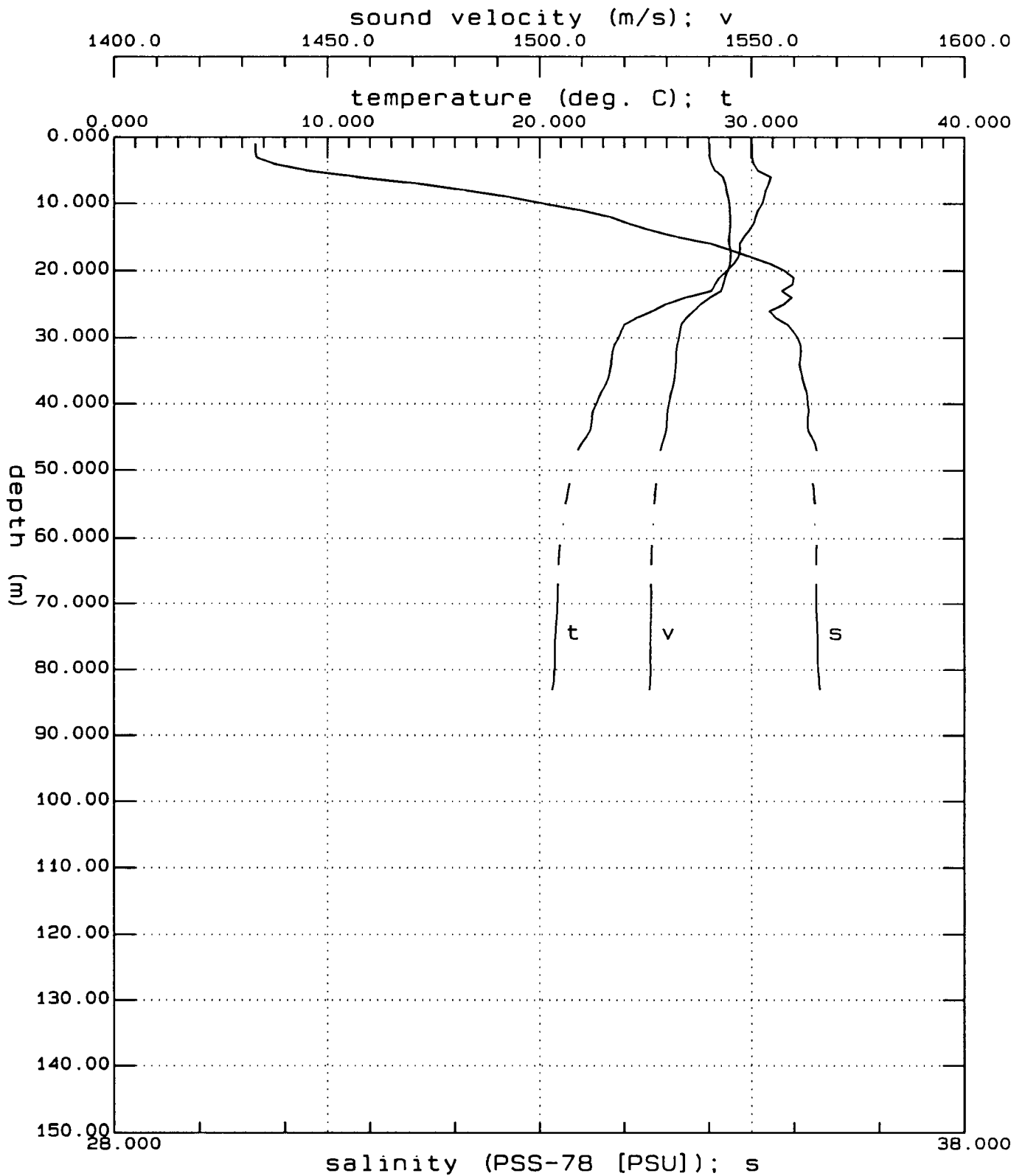


14-135.CNV: Gulfcet Cruise 02



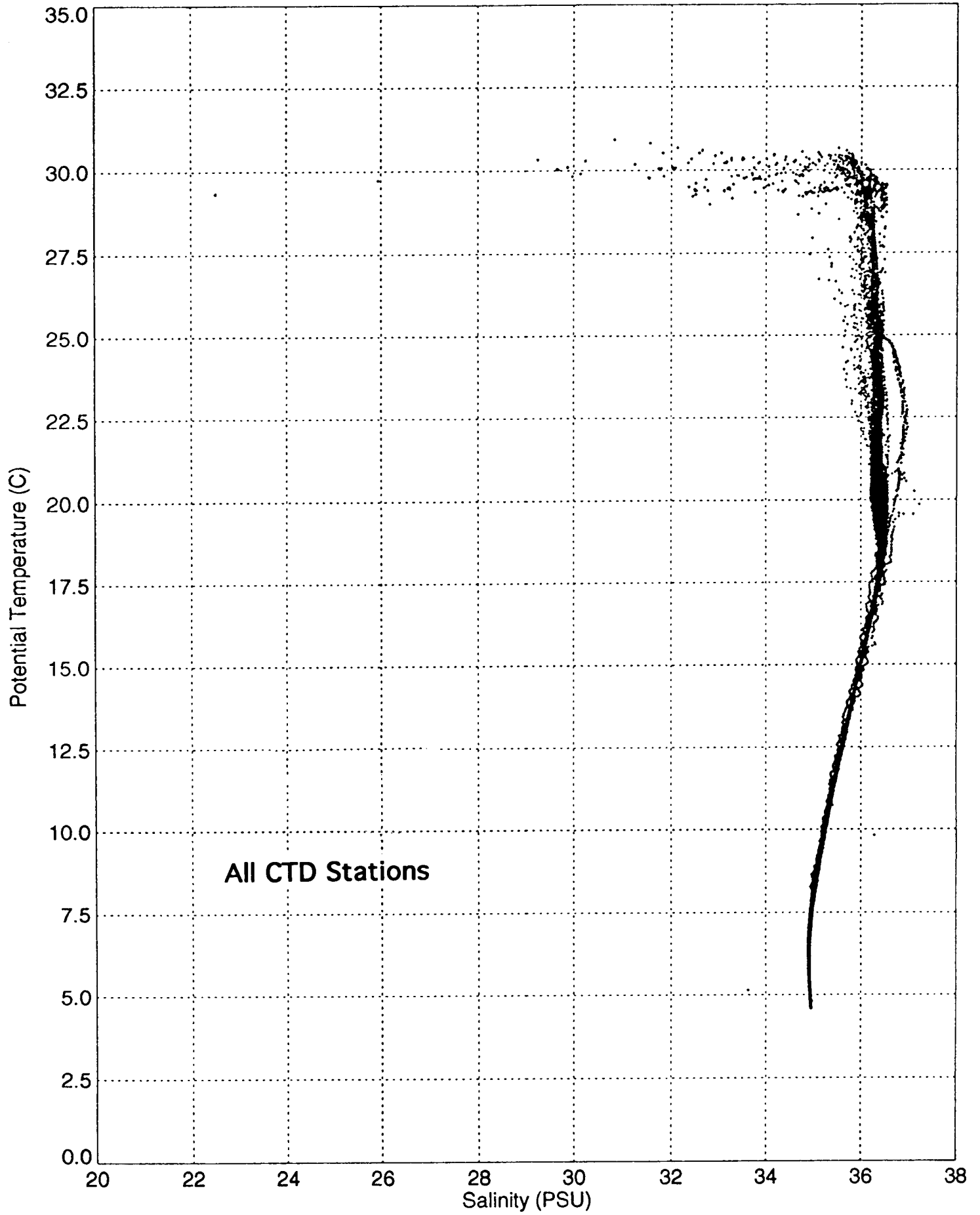
14-136.CNV: Gulfcet Cruise 02



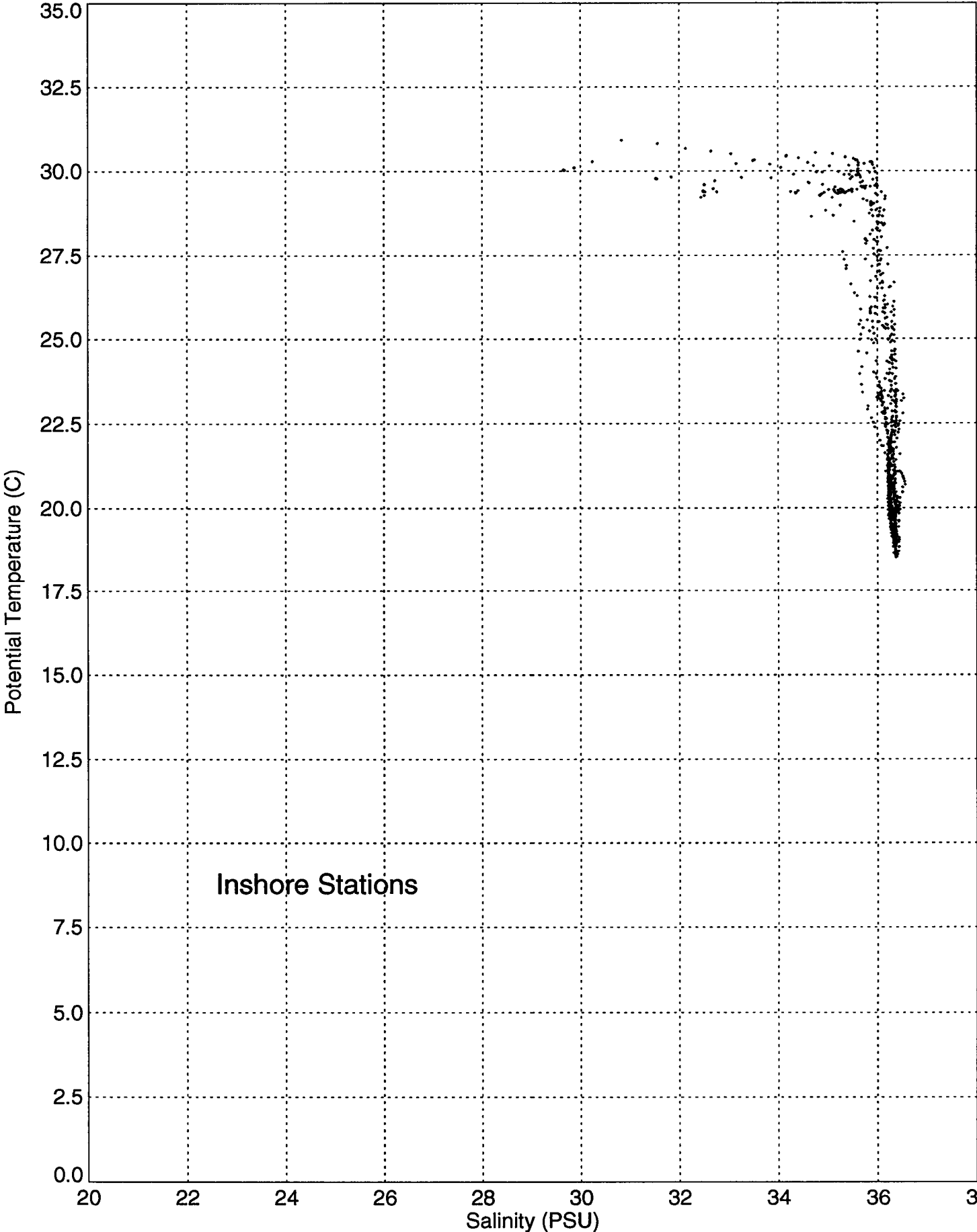


14-143.CNV: Gulfcet Cruise 02

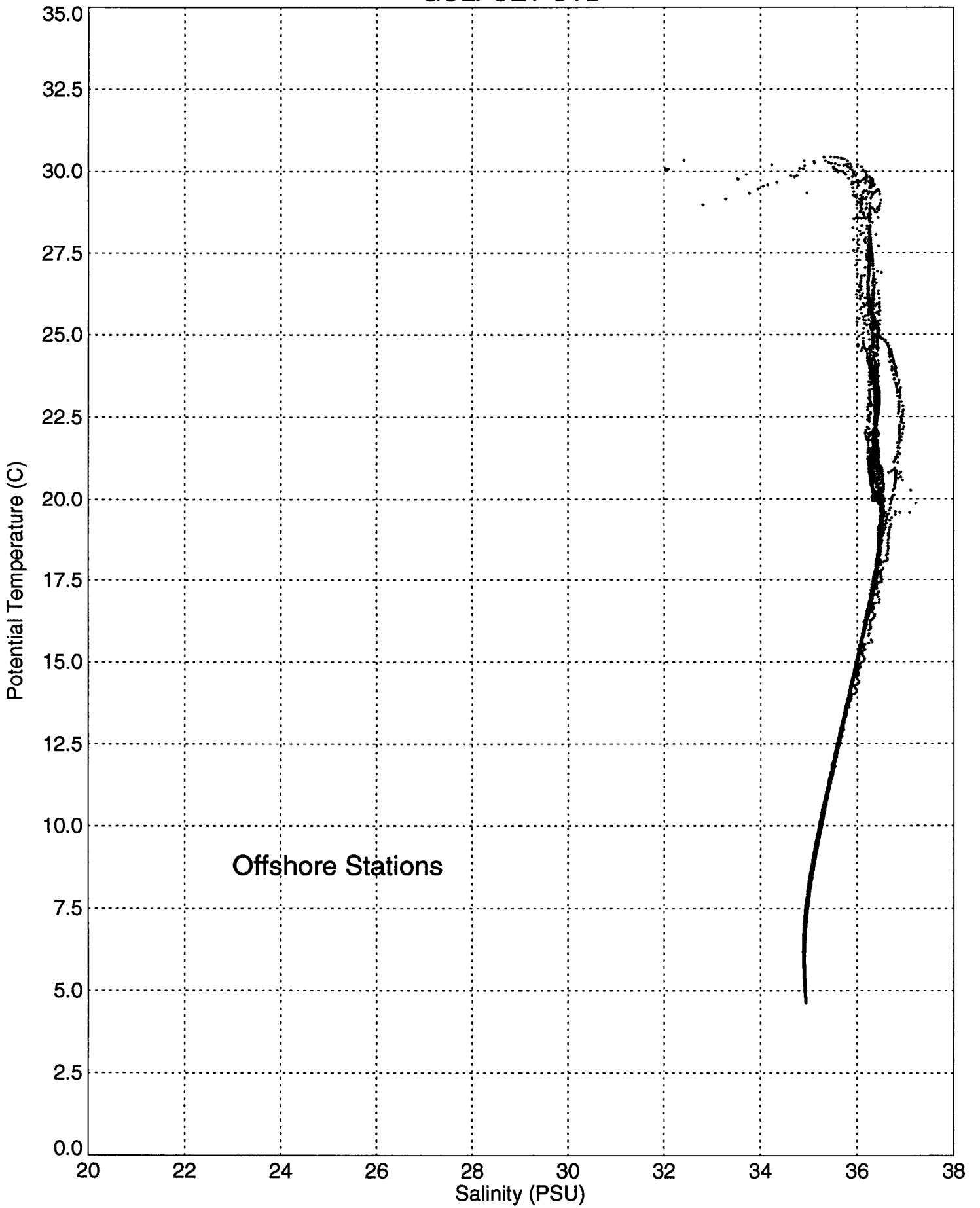
# GULFCET CTD



# GULFCET CTD

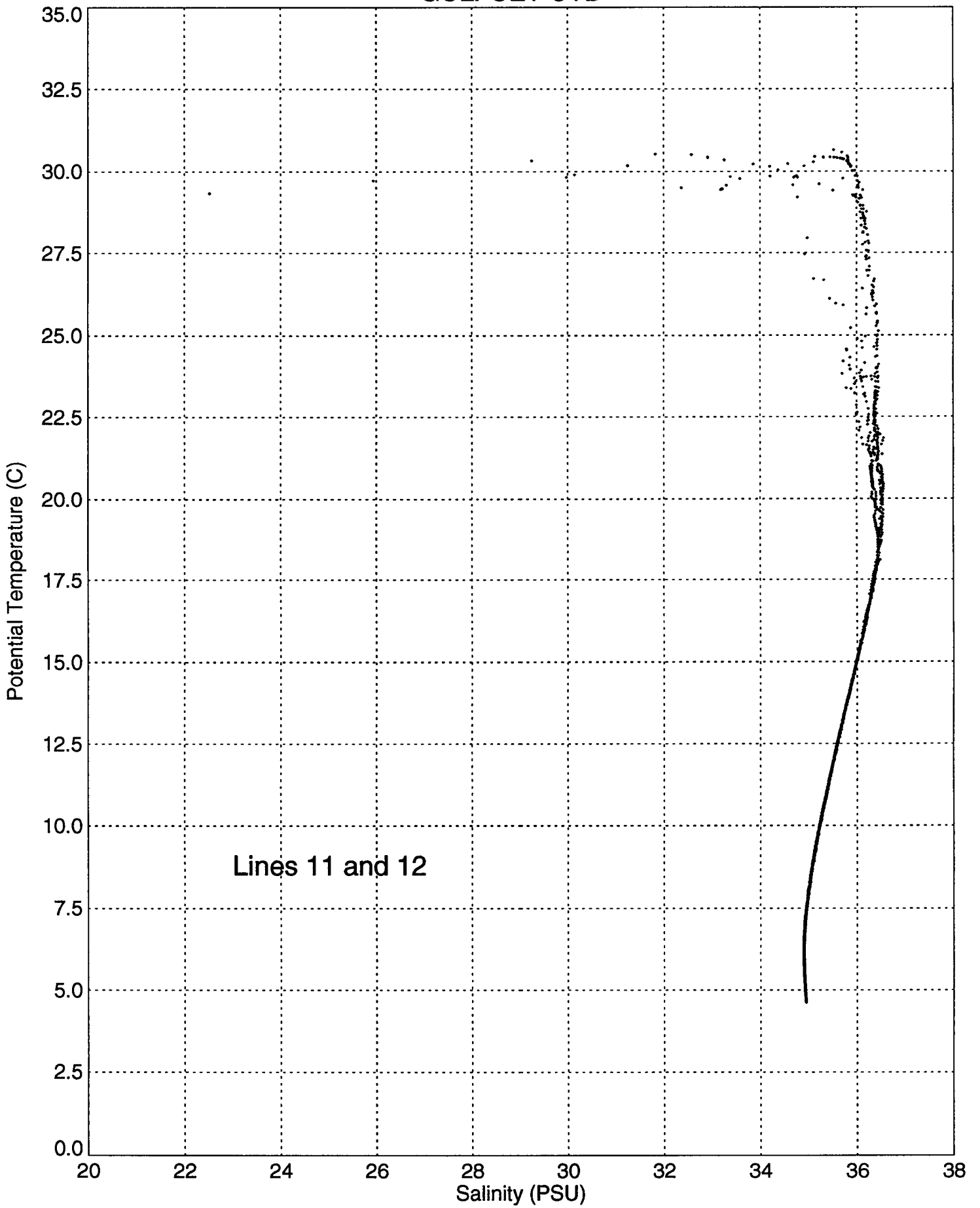


# GULFCET CTD



Offshore Stations

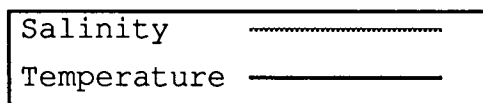
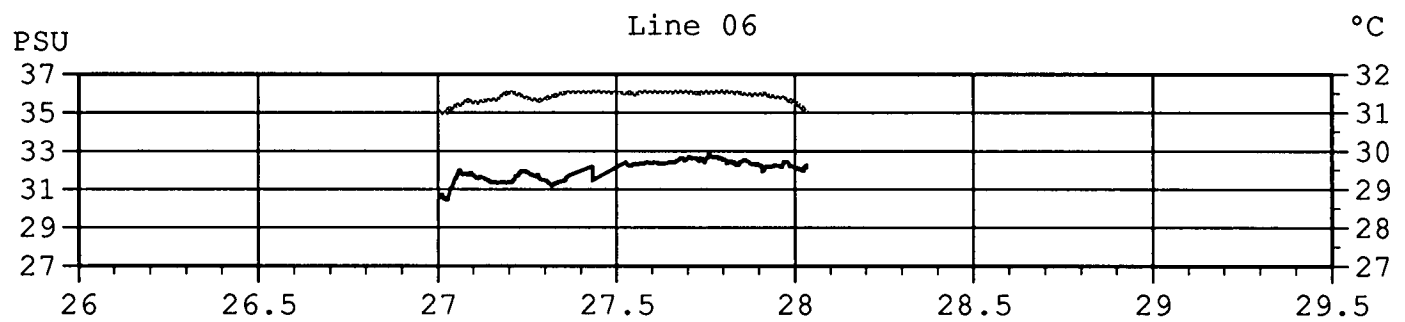
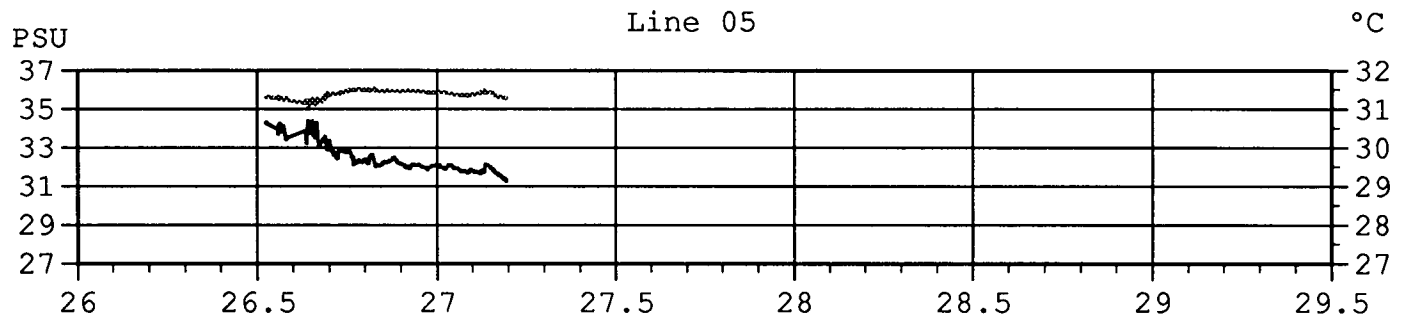
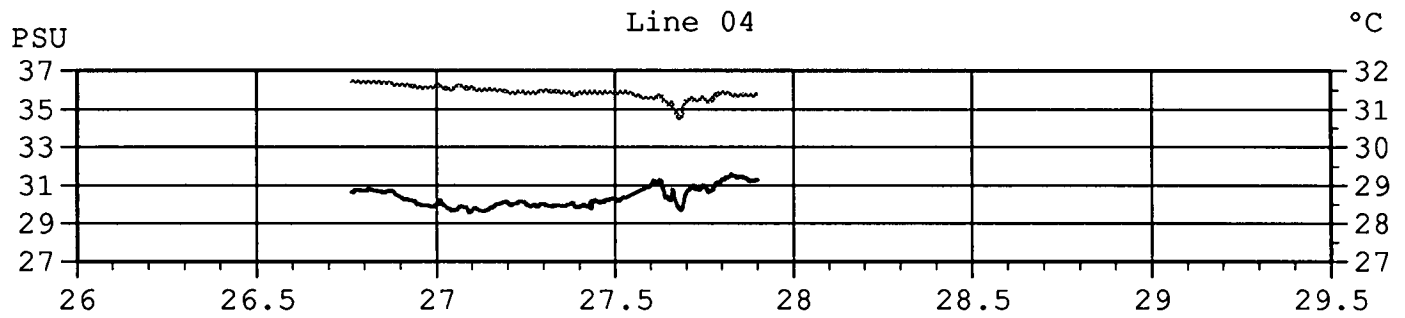
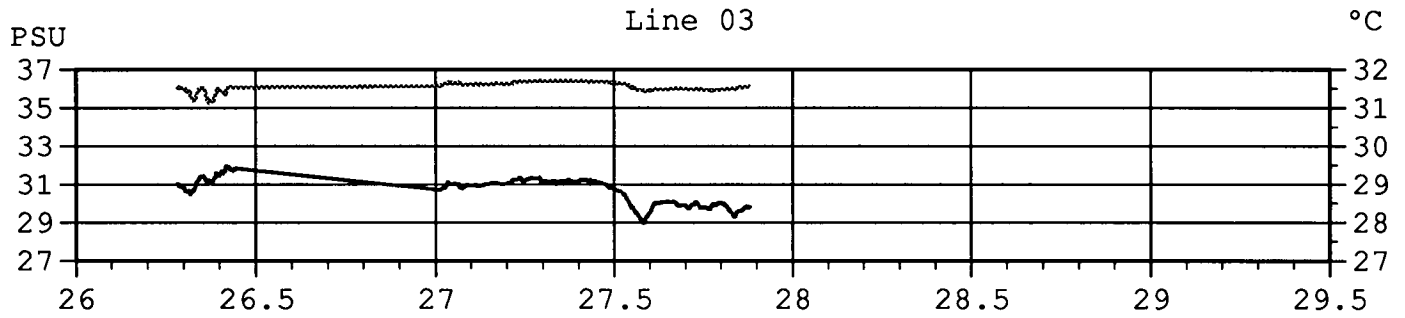
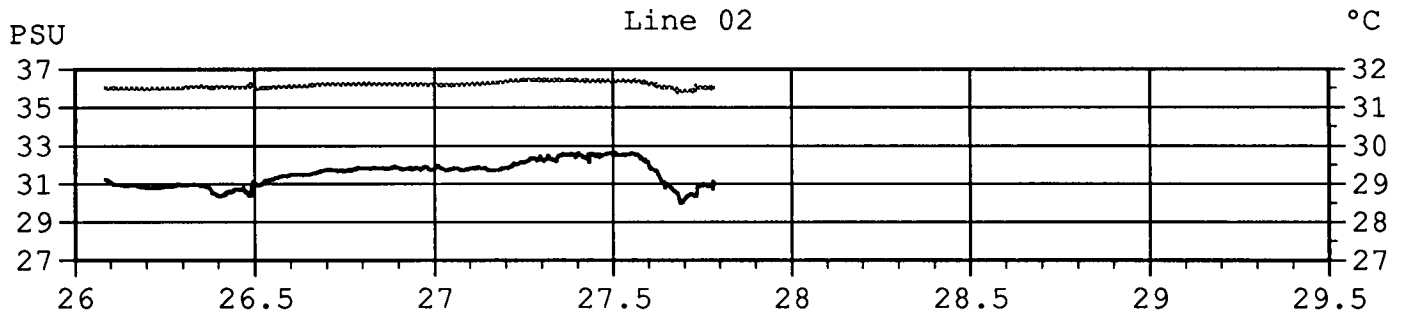
# GULFCET CTD

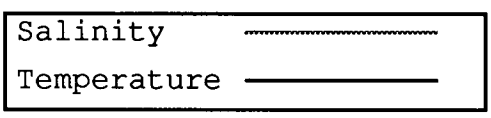
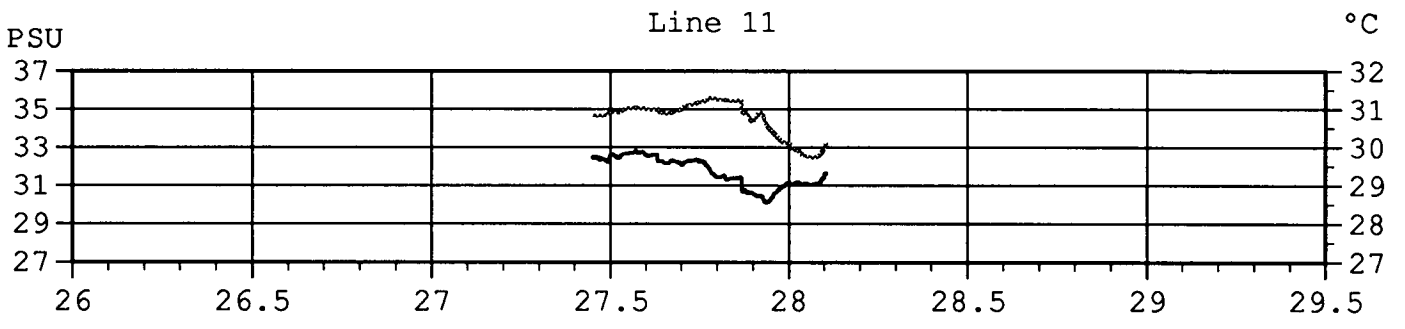
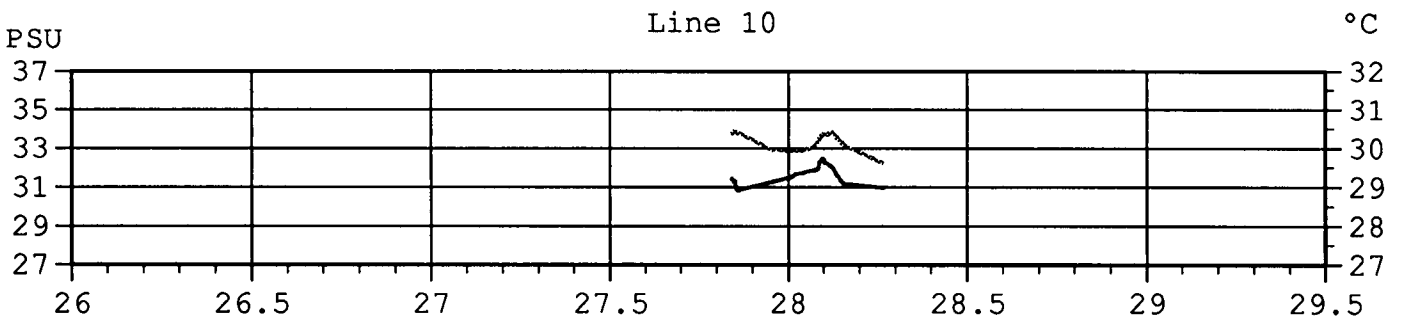
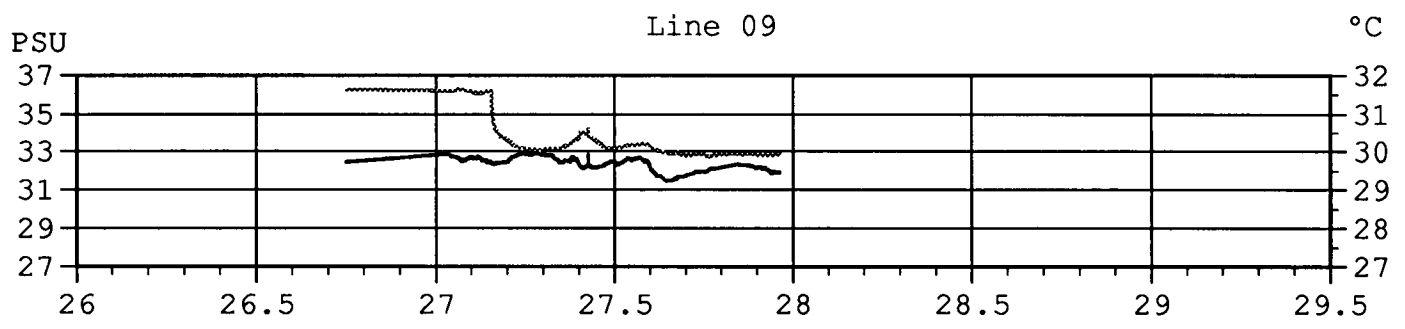
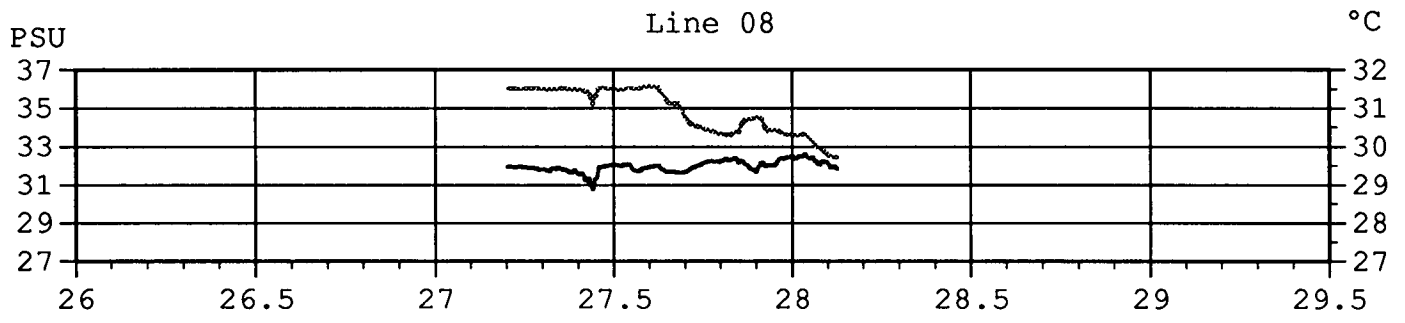
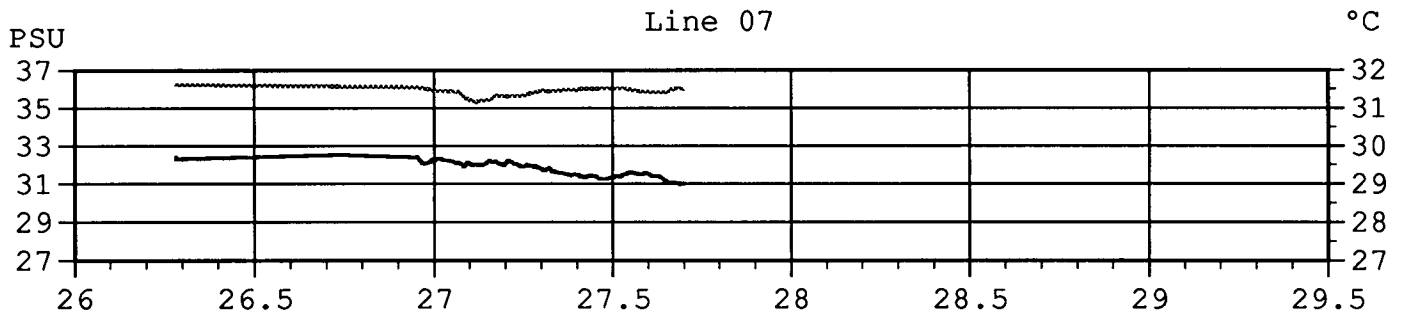


Lines 11 and 12

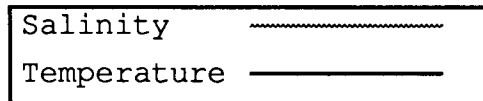
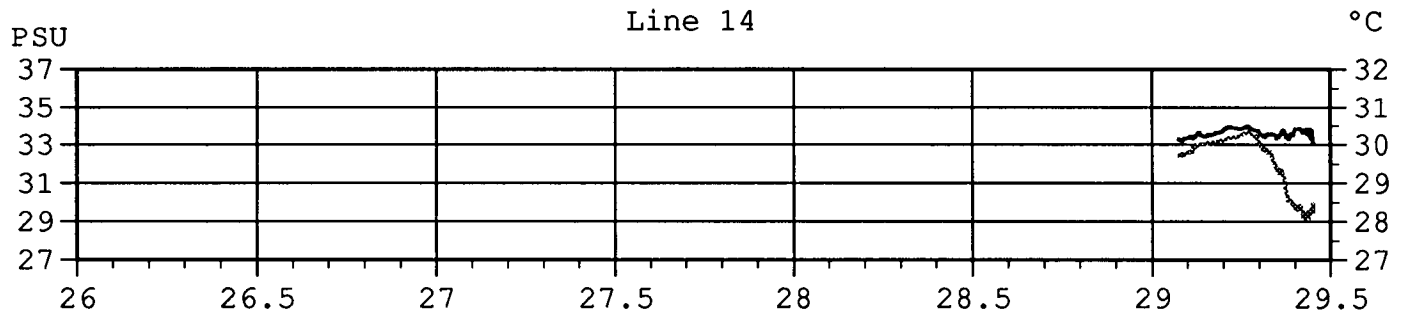
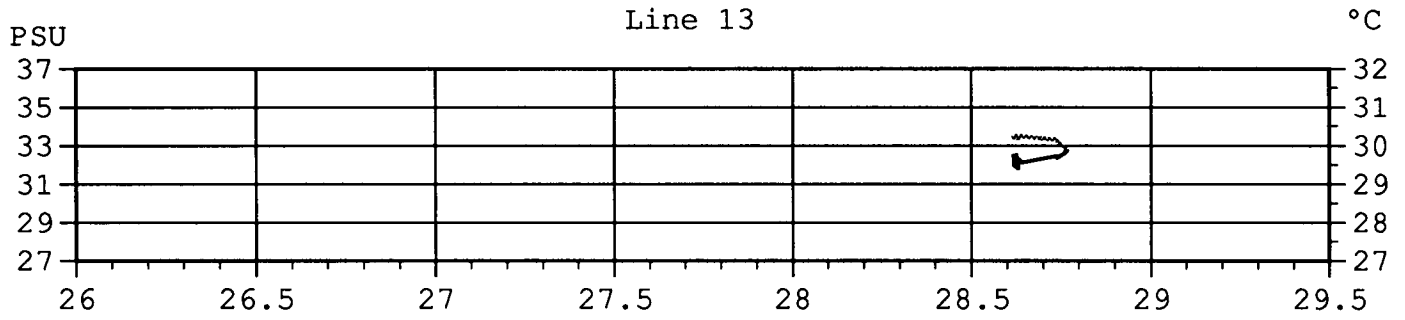
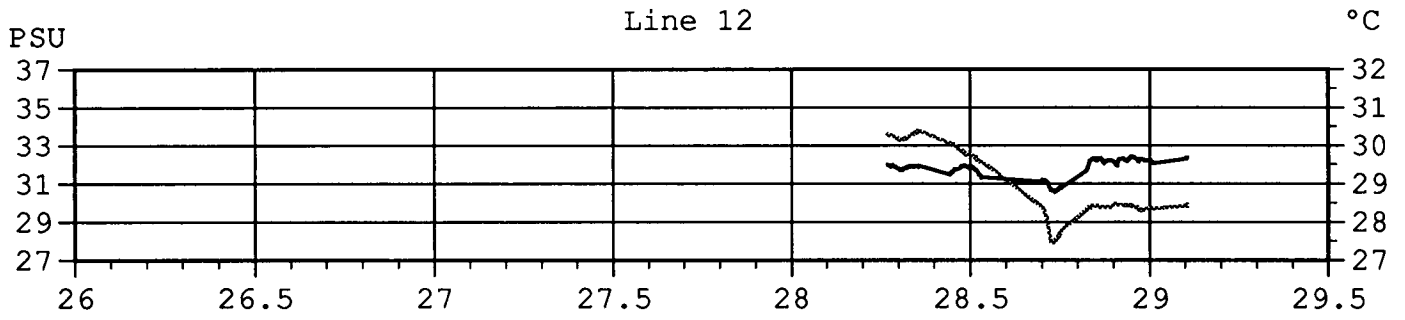
**CONTINUOUSLY RECORDING DATA:**

- PLOTS OF TEMPERATURE AND SALINITY









**SALINITY DATA:**

- DATA SUMMARY TABLE
- MEAN AND STANDARD DEVIATION TABLE

Station	Sample Depth	Salinity Bottle	Salinity CTD	Difference Bottle-CTD	Station	Sample Depth	Salinity Bottle	Salinity CTD	Difference Bottle-CTD
02-010	1.0	36.0714	36.088	-0.016	07-071	0.0	36.0504	36.069	-0.018
02-010	499.1	35.2049	35.214	-0.009	07-071	748.1	34.9038	34.906	-0.002
02-013	0.0	36.2397	36.261	-0.021	07-073	0.0	36.1587	36.183	-0.024
02-013	498.1	35.1980	35.216	-0.018	07-073	999.4	34.9268	34.929	-0.002
02-015	0.0	36.3125	36.438	-0.125	07-075	0.0	36.2750	36.274	0.001
02-015*	499.5	36.3953	35.124	1.271	07-075	999.7	34.9316	34.932	0.000
02-020	0.8	36.0590	36.085	-0.026	08-076	0.0	36.2539	36.283	-0.029
02-020	92.7	36.3914	36.455	-0.064	08-076	999.6	34.9308	34.931	0.000
03-021	0.3	36.1199	36.144	-0.024	08-080	0.0	35.8780	35.884	-0.006
03-021	99.2	36.3411	36.366	-0.025	08-080	909.0	34.9248	34.925	0.000
03-026	0.0	36.4757	36.413	0.063	08-086	0.5	32.5392	32.491	0.049
03-026	498.5	35.0999	35.106	-0.006	08-086	96.6	36.3036	36.322	-0.018
03-029	0.0	36.1451	36.148	-0.003	09-087	0.1	32.5848	32.512	0.072
03-029	1000.6	34.9304	34.934	-0.003	09-087	104.4	36.3527	36.375	-0.022
03-030	0.0	36.0787	36.107	-0.029	09-093	0.0	33.9030	33.742	0.161
03-030	999.5	34.9258	34.928	-0.002	09-093	1000.1	34.9293	34.935	-0.006
04-031	0.0	35.9218	35.935	-0.013	09-096	0.0	36.2904	36.311	-0.021
04-031	997.2	34.9461	34.929	0.018	09-096	999.8	34.9326	34.927	0.006
04-033	0.0	36.4446	36.486	-0.042	10-097	0.0	33.3335	33.281	0.052
04-033	999.3	34.9521	34.950	0.002	10-097	999.0	34.9478	34.943	0.005
04-036	0.0	35.9286	35.994	-0.066	10-100	0.0	33.1540	33.110	0.044
04-036	799.6	34.9088	34.913	-0.004	10-105	0.4	32.4749	32.446	0.029
04-042	0.2	35.8549	35.876	-0.021	10-105	92.6	36.3343	36.364	-0.030
04-042	92.1	36.2906	36.313	-0.022	11-106*	0.3	14.1061	22.521	-8.415
05-043	0.3	34.8659	34.848	0.018	11-106	92.8	36.3926	36.389	0.003
05-043	89.0	36.2241	36.318	-0.094	11-112	0.0	33.3137	33.186	0.128
05-047	101.0	35.6432	35.641	0.003	11-112	149.4	36.1636	36.164	0.000
05-047	499.0	34.9811	34.995	-0.014	11-115	149.6	36.1952	36.204	-0.008
05-050	0.0	36.0168	36.046	-0.029	12-116	0.0	35.8654	35.924	-0.058
05-050	998.5	34.9364	34.940	-0.004	12-116	1000.1	34.9324	34.930	0.003
05-053	0.0	35.9235	35.922	0.002	13-126	0.1	31.5380	31.533	0.005
05-053	999.2	34.9335	34.934	0.000	13-126	93.8	36.3743	36.413	-0.039
06-054	0.0	36.1150	36.117	-0.002	13-133	79.0	36.3514	36.358	-0.007
06-054	999.3	34.9243	34.928	-0.004	13-133	9.1	32.6740	33.421	-0.747
06-055	0.0	34.7388	34.694	0.045	13-134	0.0	33.5377	33.527	0.010
06-055	999.3	34.9277	34.932	-0.004	13-134	993.5	34.9355	34.934	0.001
06-059	0.0	36.0104	36.100	-0.089	14-135	0.0	32.1634	32.028	0.136
06-059	999.3	34.9270	34.934	-0.007	14-135	998.7	34.9312	34.925	0.006
06-064	1.1	35.1347	35.123	0.011	14-136	0.0	32.0208	31.740	0.281
06-064	96.2	36.3343	36.362	-0.027	14-136	997.4	34.9260	34.925	0.001
07-065	1.2	34.3815	34.359	0.022	14-143	0.0	32.2851	29.872	2.413
07-065	101.9	36.3442	36.373	-0.029	14-143	73.66	36.2450	36.265	-0.020

Note : \* anomalous value

**Cruise 02 Salinity Means and Standard Deviations**

	<b>Mean</b>	<b>Standard Deviation</b>
<b>Bottle Salinity</b>	<b>34.9388536</b>	<b>2.0814028</b>
<b>CTD Salinity</b>	<b>35.2719276</b>	<b>1.57879924</b>
<b>Bottle and CTD Salinities</b>	<b>35.1053906</b>	<b>1.83010102</b>

## STATION POSITIONS

Table 1. XBT station positions and probe type

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
02-012	23-Aug-92	202	26° 41.10	95° 30.00	T-7	08-082	16-Aug-92	1644	27° 45.44	91° 30.14	T-7
02-014	22-Aug-92	1755	27° 23.01	95° 29.96	T-7	08-083	16-Aug-92	1559	27° 49.45	91° 29.94	T-7
02-016	22-Aug-92	1613	27° 28.00	95° 29.98	T-7	08-084	16-Aug-92	1535	27° 51.98	91° 29.88	T-7
02-017	22-Aug-92	1453	27° 36.50	95° 30.00	T-7	08-085	16-Aug-92	1521	27° 52.98	91° 29.91	T-10
02-018	22-Aug-92	1352	27° 41.48	95° 29.92	T-7	08-Ex1	16-Aug-92	1945	27° 27.18	91° 30.40	T-7
02-019	22-Aug-92	1347	27° 42.05	95° 29.95	T-10	09-088	16-Aug-92	651	28° 02.49	90° 50.01	T-10
02-Ex4	22-Aug-92	1944	27° 11.43	95° 29.99	T-7	09-089	16-Aug-92	625	28° 00.02	90° 50.06	T-7
03-022	22-Aug-92	619	27° 51.48	94° 49.95	T-10	09-090	16-Aug-92	457	27° 51.94	90° 49.95	T-7
03-023	22-Aug-92	558	27° 46.90	94° 49.98	T-7	09-091	16-Aug-92	403	27° 46.8	90° 50.00	T-7
03-024	22-Aug-92	500	27° 42	94° 50	T-7	09-092	16-Aug-92	304	27° 39.5	90° 50	T-20
03-025	22-Aug-92	351	27° 33.92	94° 50.08	T-7	09-094	15-Aug-92	2201	27° 15.95	90° 49.27	T-20
03-027	22-Aug-92	111	27° 22.91	94° 50.01	T-7	10-098	15-Aug-92	803	27° 11.54	90° 09.99	T-20
03-028	21-Aug-92	2218	27° 03.48	94° 49.98	T-7	10-099	15-Aug-92	331	27° 40	90° 10	T-7
04-032	21-Aug-92	517	26° 37.07	94° 09.98	T-7	10-101	15-Aug-92	59	27° 49.88	90° 09.88	T-7
04-037	20-Aug-92	1909	27° 30.02	94° 10.04	T-7	10-102	14-Aug-92	2301	28° 01.93	90° 10.06	T-7
04-038	20-Aug-92	1728	27° 38.12	94° 09.94	T-7	10-103	14-Aug-92	2240	28° 04.04	90° 10.09	T-7
04-039	20-Aug-92	1703	27° 41.02	94° 10.02	T-7	10-104	14-Aug-92	2150	28° 09.47	90° 10.03	T-10
04-040	20-Aug-92	1637	27° 44.12	94° 10.00	T-7	11-107	14-Aug-92	1356	28° 36.61	89° 30.03	T-10
04-041	20-Aug-92	1552	27° 49.56	94° 10.01	T-10	11-108*	14-Aug-92	1314	28° 31.98	89° 29.98	T-7
04-Ex2	20-Aug-92	2003	27° 29.05	94° 09.10	T-7	11-109	14-Aug-92	1239	28° 28.01	89° 30.04	T-7
05-044	20-Aug-92	2008	27° 49.35	93° 30.5	T-10	11-110	14-Aug-92	1137	28° 21.48	89° 29.98	T-7
05-045	20-Aug-92	625	27° 34.93	93° 29.98	T-7	11-111	14-Aug-92	1033	28° 15.01	89° 30.07	T-20
05-046	20-Aug-92	606	27° 32.99	93° 29.96	T-7	11-113	14-Aug-92	300	27° 38	89° 29.9	T-20
05-048*	20-Aug-92	257	27° 20.94	93° 30.00	T-7	12-119	13-Aug-92	843	28° 26	88° 50	T-7
05-049	20-Aug-92	23	27° 05.96	93° 30.02	T-7	12-120	13-Aug-92	511	28° 43.5	88° 50	T-20
05-051	19-Aug-92	1955	26° 43.15	93° 30.05	T-7	12-121	13-Aug-92	435	28° 47	88° 50	T-7
06-Ex5	19-Aug-92	322	26° 36.00	92° 50.00	T-7	12-122	13-Aug-92	328	28° 53	88° 50	T-7
06-056	18-Aug-92	2312	26° 52.04	92° 50.01	T-7	12-123	13-Aug-92	302	28° 55.5	88° 50	T-7
06-058	18-Aug-92	1854	27° 18.74	92° 50.00	T-7	12-124	13-Aug-92	216	29° 00	88° 50	T-10
06-060	18-Aug-92	1555	27° 34.56	92° 49.98	T-7	13-127	12-Aug-92	1833	29° 10.05	88° 09.95	T-10
06-061*	18-Aug-92	1411	27° 41.01	92° 49.99	T-7	13-128	12-Aug-92	1808	29° 10.58	88° 10.00	T-7
06-062	18-Aug-92	1358	27° 42.98	92° 49.95	T-7	13-129	12-Aug-92	1718	29° 08.49	88° 10.01	T-7
06-063	18-Aug-92	1204	27° 54.51	92° 50.00	T-10	13-130	12-Aug-92	1714	29° 05.13	88° 10.02	T-7
07-066	18-Aug-92	449	27° 52.98	92° 09.89	T-10	13-131	12-Aug-92	1654	29° 03.05	88° 10.04	T-20
07-067	18-Aug-92	437	27° 51.99	92° 09.86	T-7	13-132	12-Aug-92	1446	28° 49	88° 10	T-20
07-068	18-Aug-92	331	27° 44.95	92° 10.07	T-7	14-137	12-Aug-92	2000	29° 04.00	87° 30.06	T-20
07-069	18-Aug-92	216	27° 37.04	92° 10.02	T-7	14-138*	12-Aug-92	1817	29° 14.99	87° 29.97	T-20
07-070	18-Aug-92	106	27° 29.46	92° 09.98	T-7	14-139	11-Aug-92	1758	29° 17.00	87° 29.92	T-7
07-072	17-Aug-92	2054	27° 09.49	92° 10.05	T-7	14-140	11-Aug-92	1731	29° 20.03	87° 29.91	T-7
08-079	16-Aug-92	2139	27° 23.05	91° 29.96	T-7	14-141	11-Aug-92	1712	29° 22.00	87° 29.99	T-7
08-081	16-Aug-92	1849	27° 32.95	91° 29.98	T-7	14-142	11-Aug-92	1645	29° 24.96	87° 29.87	T-10

Note : \* "bad" probe

Table 2 . CTD Station Position with Depth and Distance Offshore (km)

Station	Latitude	Longitude	Depth	Km Offshore
02-010	26 00.0	95 30.00	1600	311.3
02-013	26 46.0	95 30.00	1320	226.06
02-015	27 26.0	95 30.00	875	151.94
02-020	27 47.0	95 30.00	96	113.03
03-021	27 56.0	94 50.00	102	142.68
03-026	27 26.0	94 50.00	905	198.27
03-029	26 46.0	94 50.00	1420	272.39
03-030	26 17.0	94 50.00	2000	326.13
04-031	26 17.0	94 10.00	2000	374.68
04-033	26 46.0	94 10.00	1350	320.94
04-036	27 26.0	94 10.00	826	246.82
04-042	27 54.0	94 10.00	95	194.94
05-043	28 00.0	93 30.00	93	198.27
05-047	27 26.0	93 30.00	578	261.27
05-050	26 46.0	93 30.00	1470	335.39
05-053	26 10.0	93 30.00	2000	402.1
06-054	26 14.0	92 50.00	2000	376.16
06-055	26 46.0	92 50.00	1745	316.87
06-059	27 26.0	92 50.00	1035	242.75
06-064	28 02.0	92 50.00	99	176.04
07-065	28 02.0	92 10.00	103	170.48
07-071	27 26.0	92 10.00	814	237.19
07-073	26 46.0	92 10.00	1800	311.31
07-075	26 17.0	92 10.00	2000	365.05
08-076	26 37.0	91 30.00	2000	324.83
08-080	27 26.0	91 30.00	950	234.03
08-086	28 07.5	91 30.00	98	157.13
09-087	28 09.0	90 50.00	109	104.88
09-093	27 26.0	90 50.00	1300	184.56
09-096	26 45.0	90 50.00	2000	260.53
10-097	27 10.0	90 10.00	2000	214.95
10-100	27 46.0	90 10.00	800	148.24
10-105	28 16.0	90 10.00	94	92.65
11-106	28 45.0	89 30.00	95	50.03
11-112	28 06.0	89 30.00	1075	122.3
11-115	27 27.0	89 30.00	2000	194.56
12-116	27 26.0	88 50.00	2000	210.32
12-125	29 06.5	88 50.00	95	24.09
13-126	29 16.5	88 10.00	95	115.07
13-133	28 46.0	88 10.00	1850	171.59
13-134	28 37.0	88 10.00	2000	188.26
14-135	28 31.0	87 30.00	2000	198.27
14-136	28 46.0	87 30.00	1600	170.47
14-143	29 27.0	87 30.00	82	94.5

Table 3. XBT position and depth of 20° C isotherm and temperature at 100 m

XBT Station	Latitude	Longitude	20°C Depth m	Temp. at 100 m	XBT Station	Latitude	Longitude	20°C Depth m	Temp. at 100 m
02-012	26° 41.10	95° 30.00	161	22.90	08-082	27° 45.44	91° 30.14	99	19.96
02-014	27° 23.01	95° 29.96	143	21.84	08-083	27° 49.45	91° 29.94	90	19.28
02-016	27° 28.00	95° 29.98	124	21.36	08-084	27° 51.98	91° 29.88	83	18.56
02-017	27° 36.50	95° 30.00	99	19.94	08-085	27° 52.98	91° 29.91	87	18.89
02-018	27° 41.48	95° 29.92	90	19.71	08-Ex1	27° 27.18	91° 30.40	112	20.72
02-019	27° 42.05	95° 29.95	90	19.67	09-088	28° 02.49	90° 50.01	78	19.14
02-Ex4	27° 11.43	95° 29.99	157	22.39	09-089	28° 00.02	90° 50.06	81	18.47
03-022	27° 51.48	94° 49.95	62	17.68	09-090	27° 51.94	90° 49.95	70	18.98
03-023	27° 46.90	94° 49.98	59	17.79	09-091	27° 46.8	90° 50.00	79	18.58
03-024	27° 42	94° 50	61	18.14	09-092	27° 39.5	90° 50	86	19.26
03-025	27° 33.92	94° 50.08	77	19.14	09-094	27° 15.95	90° 49.27	106	20.24
03-027	27° 22.91	94° 50.01	119	21.13	10-098	27° 11.54	90° 09.99	130	21.29
03-028	27° 03.48	94° 49.98	167	22.77	10-099	27° 40	90° 10	87	18.66
04-032	26° 37.07	94° 09.98	119	21.56	10-101	27° 49.88	90° 09.88	83	18.70
04-037	27° 30.02	94° 10.04	71	17.61	10-102	28° 01.93	90° 10.06	81	18.87
04-038	27° 38.12	94° 09.94	68	18.22	10-103	28° 04.04	90° 10.09	73	18.86
04-039	27° 41.02	94° 10.02	79	18.61	10-104	28° 09.47	90° 10.03	73	18.98
04-040	27° 44.12	94° 10.00	69	18.88	11-107	28° 36.61	89° 30.03	73	18.57
04-041	27° 49.56	94° 10.01	69	19.06	11-109	28° 28.01	89° 30.04	68	17.90
04-Ex2	27° 29.05	94° 09.10	68	17.46	11-110	28° 21.48	89° 29.98	75	18.24
05-044	27° 49.35	93° 30.5	76	18.58	11-111	28° 15.01	89° 30.07	76	18.13
05-045	27° 34.93	93° 29.98	75	18.35	11-113	27° 38	89° 29.9	96	19.51
05-046	27° 32.99	93° 29.96	78	18.12	12-119	28° 26	88° 50	79	18.77
05-049	27° 05.96	93° 30.02	78	17.83	12-120	28° 43.5	88° 50	80	18.91
05-051	26° 43.15	93° 30.05	89	19.48	12-121	28° 47	88° 50	75	19.02
06-Ex5	26° 36.00	92° 50.00	109	20.66	12-122	28° 53	88° 50	73	18.87
06-056	26° 52.04	92° 50.01	78	18.48	12-123	28° 55.5	88° 50	76	18.92
06-058	27° 18.74	92° 50.00	73	18.28	12-124	29° 00	88° 50	80	19.33
06-060	27° 34.56	92° 49.98	65	17.77	13-127	29° 10.05	88° 09.95	100	20.00
06-062	27° 42.98	92° 49.95	74	17.76	13-128	29° 10.58	88° 10.00	96	19.75
06-063	27° 54.51	92° 50.00	72	18.53	13-129	29° 08.49	88° 10.01	90	19.15
07-066	27° 52.98	92° 09.89	75	18.59	13-130	29° 05.13	88° 10.02	86	19.13
07-067	27° 51.99	92° 09.86	75	18.30	13-131	29° 03.05	88° 10.04	89	19.46
07-068	27° 44.95	92° 10.07	72	18.35	13-132	28° 49	88° 10	106	20.21
07-069	27° 37.04	92° 10.02	74	18.33	14-137	29° 04.00	87° 30.06	112	20.41
07-070	27° 29.46	92° 09.98	76	18.30	14-139	29° 17.00	87° 29.92	100	19.97
07-072	27° 09.49	92° 10.05	91	19.25	14-140	29° 20.03	87° 29.91	111	20.42
08-079	27° 23.05	91° 29.96	120	21.57	14-141	29° 22.00	87° 29.99	118	20.39
08-081	27° 32.95	91° 29.98	105	20.15	14-142	29° 24.96	87° 29.87	101	20.05



## TEMPERATURE AND SALINITY

Figure 2. Temperature Values (°C) : XBT (at 1.29 m) versus MIDAS (~ 1.00 m)

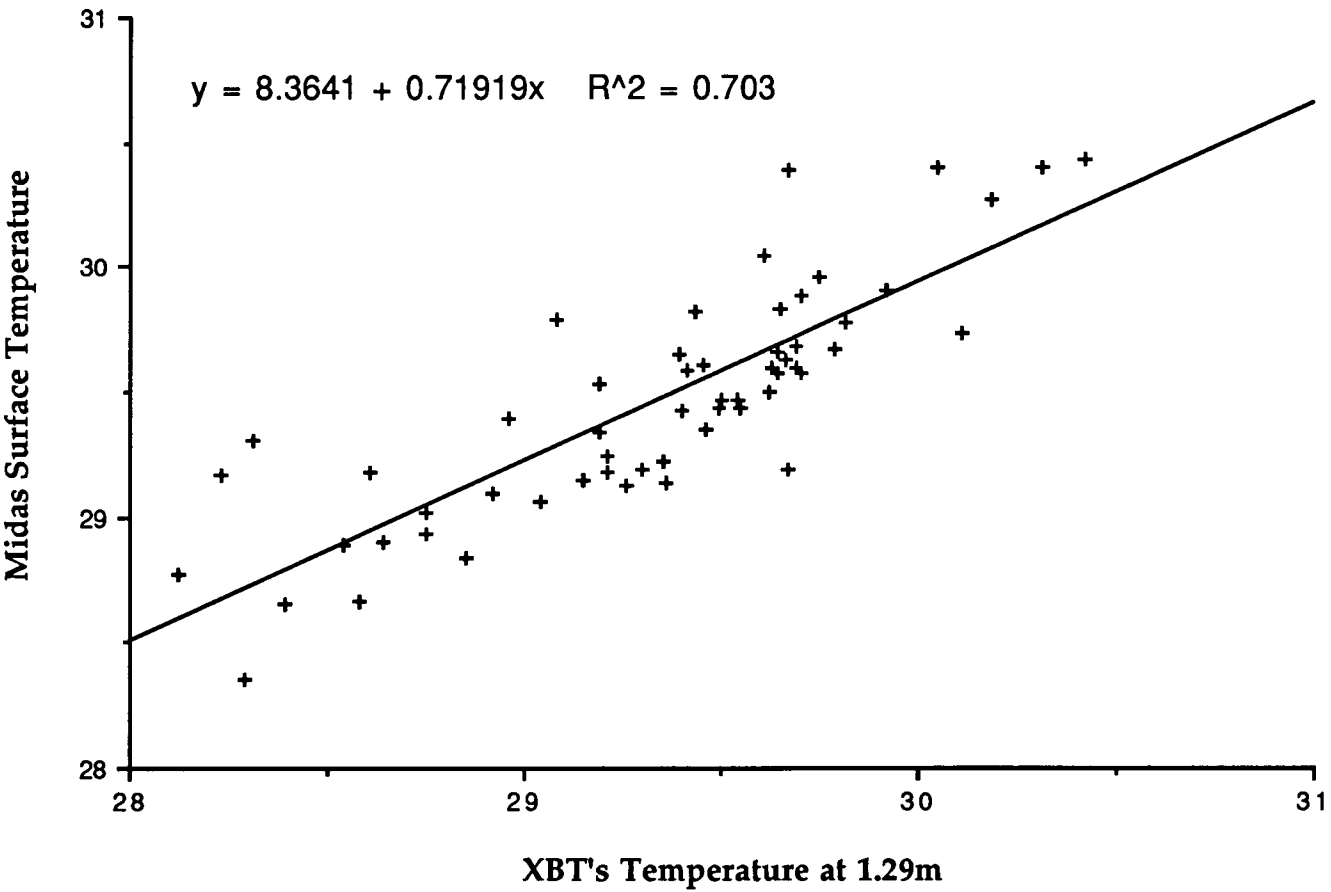


Figure 3. Sea Surface Temperature Values (°C) : CTD versus MIDAS

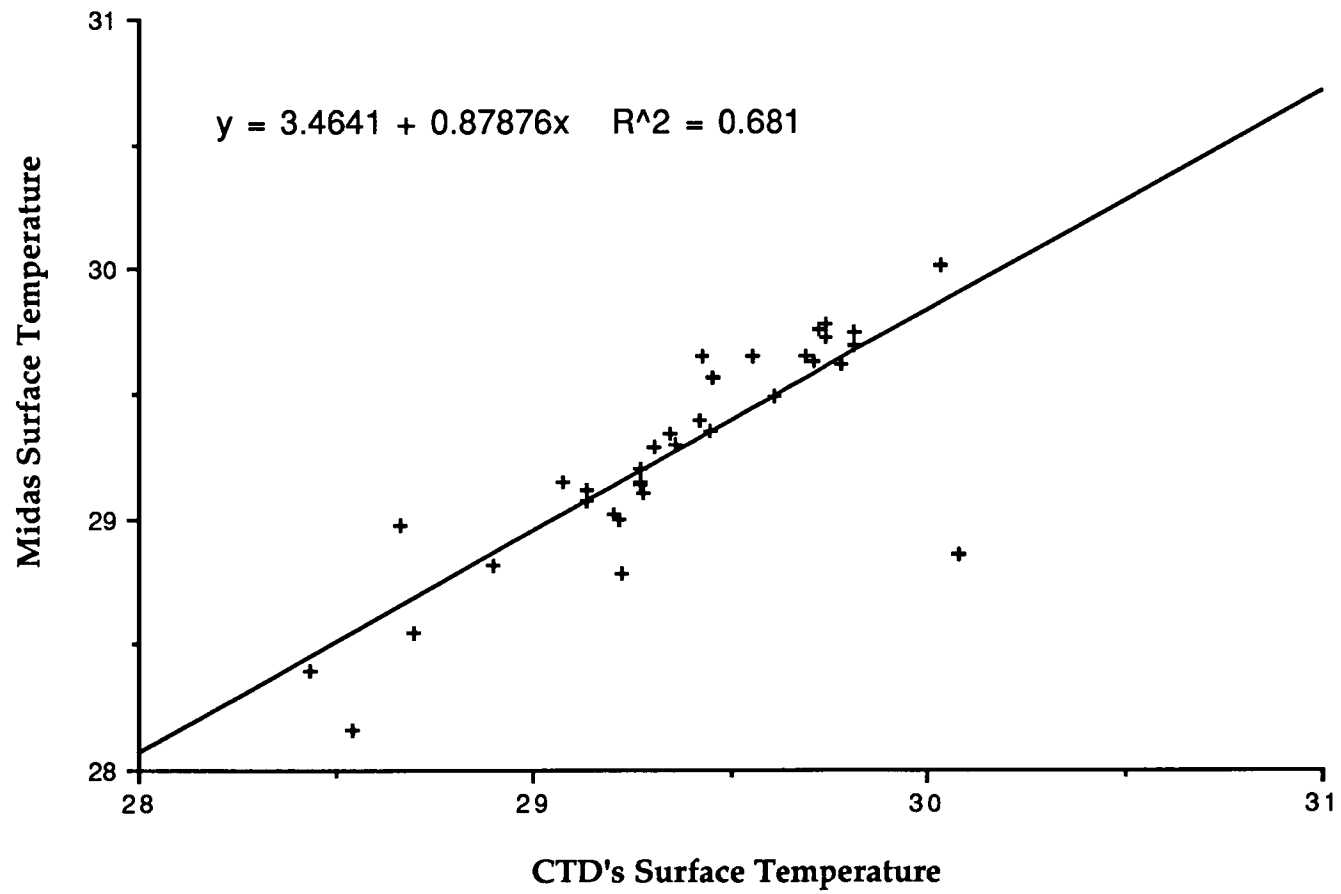


Figure 4. Temperature values (°C) : CTD versus XBT  
(0-300 m temperature range with 2 mi proximity of XBT to CTD station)

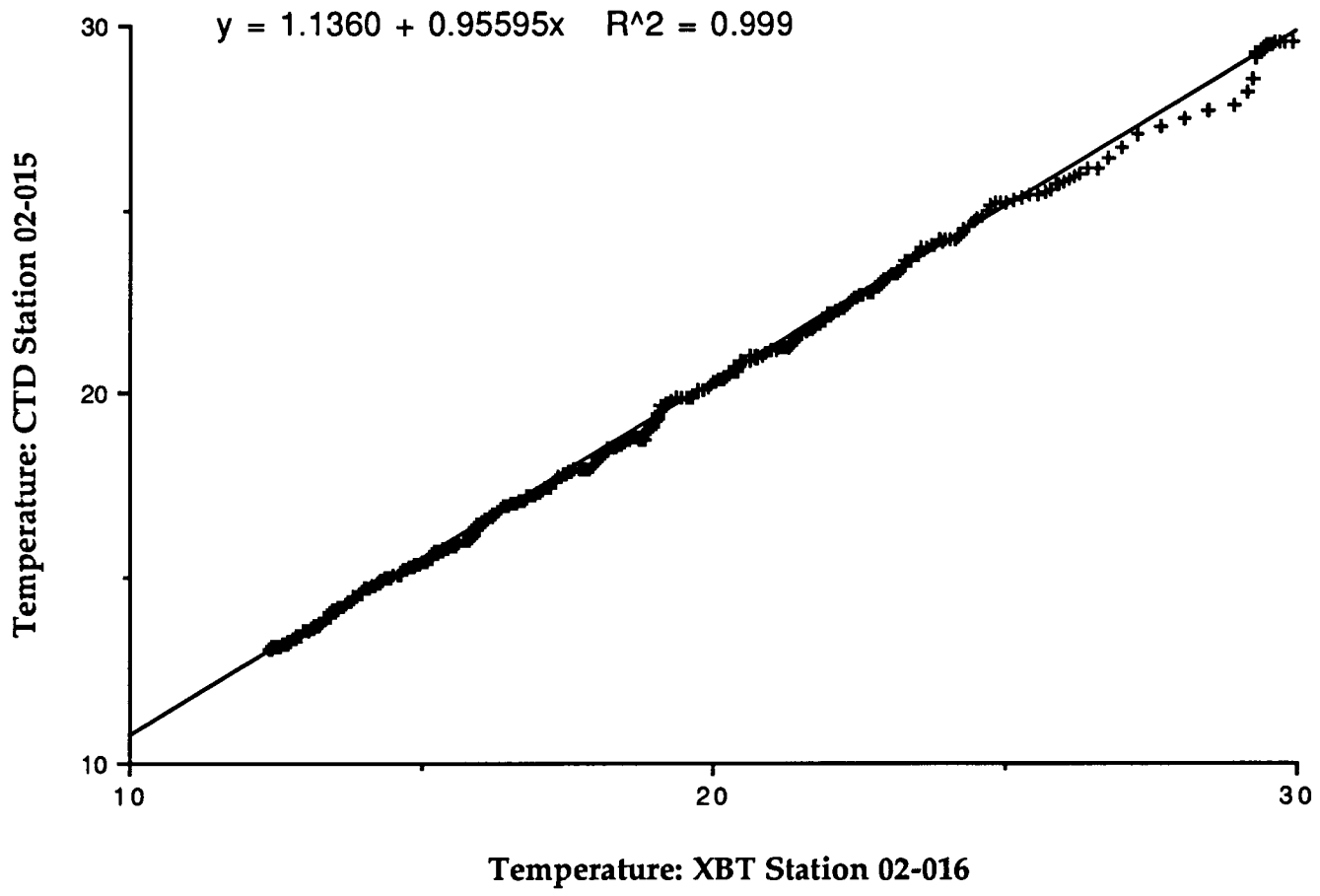


Figure 5. Bottle salinity versus CTD salinity

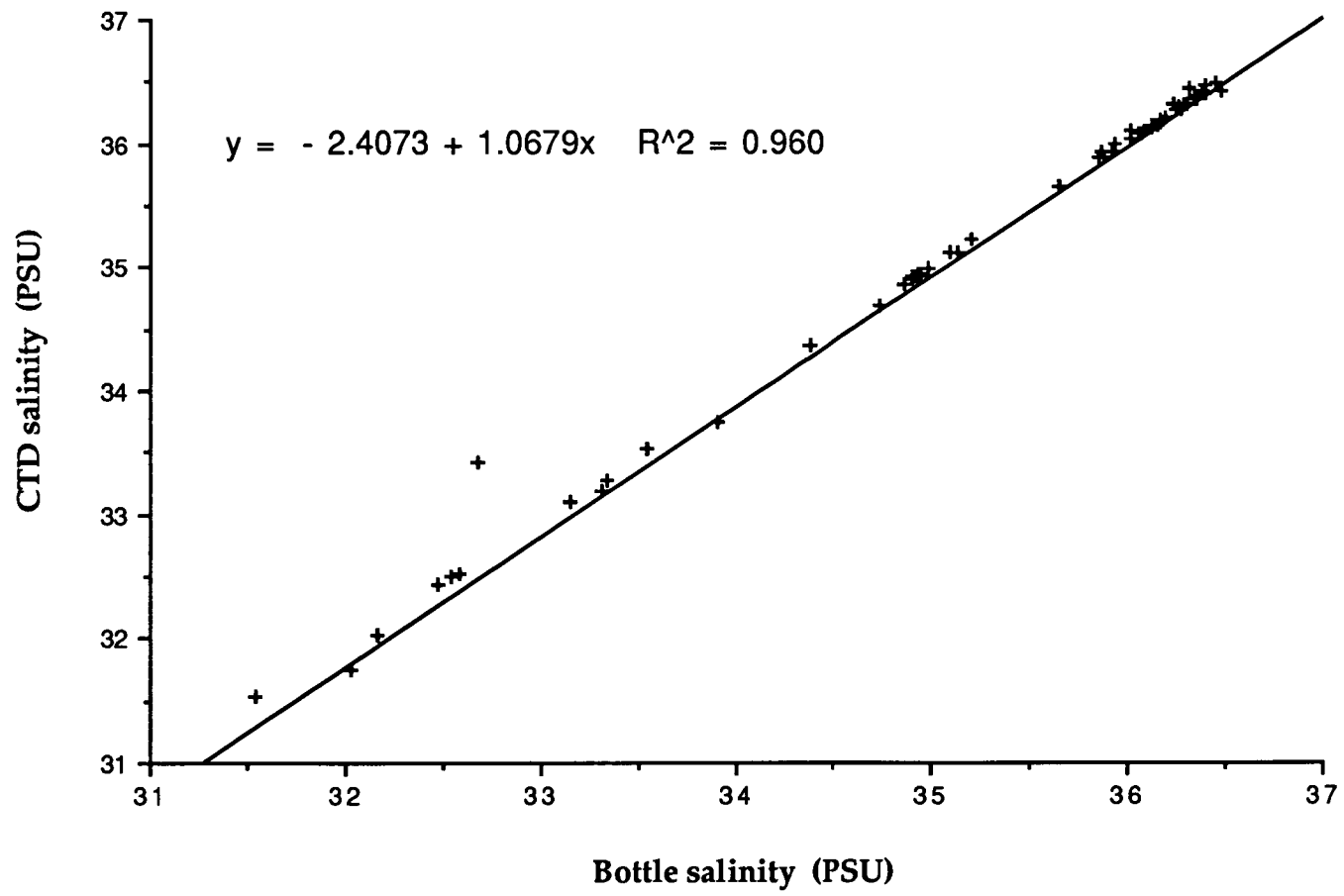
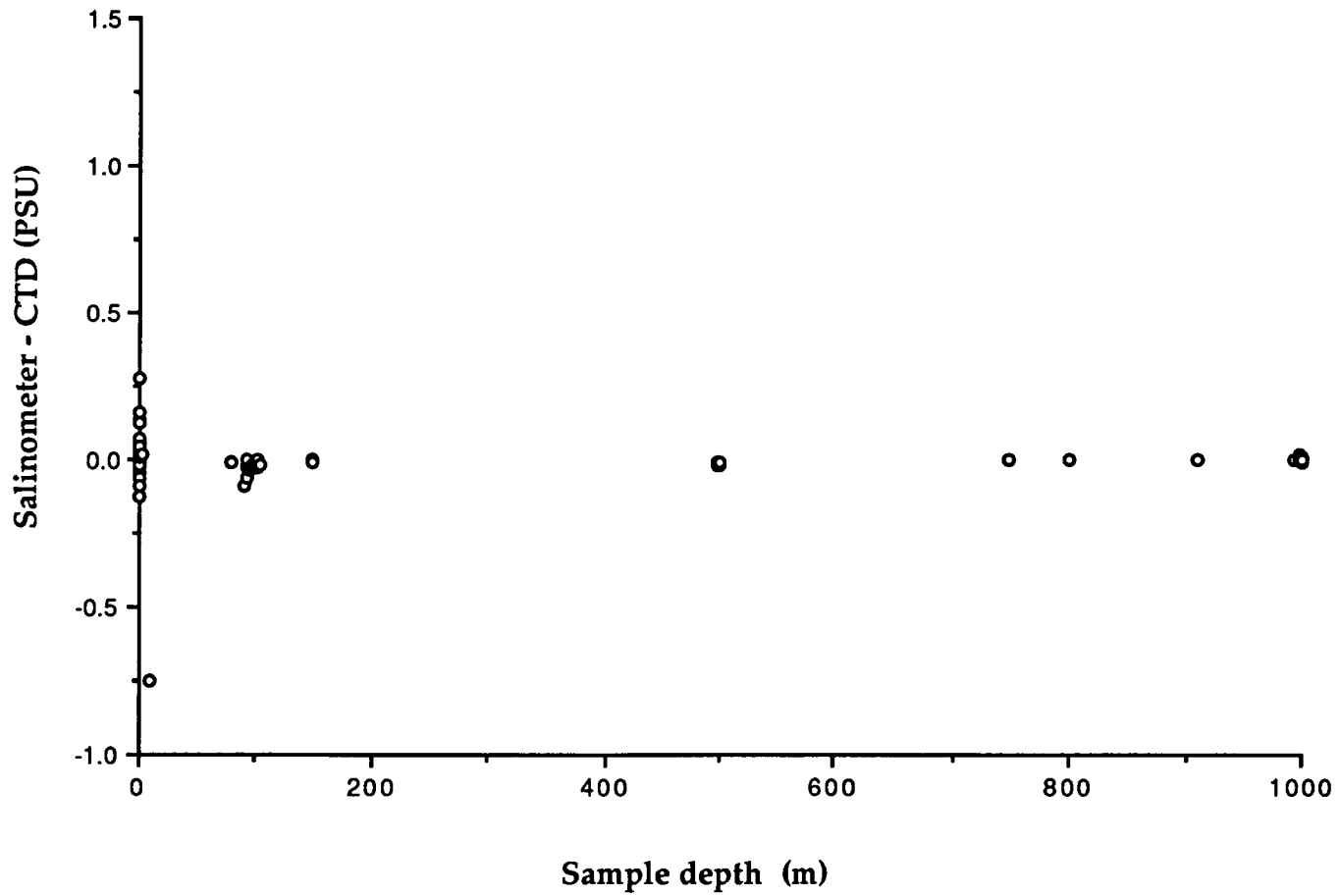


Figure 6. Sample depth versus difference between bottle and CTD salinity values



### **3.1.3 Cruise 3**

## PERSONNEL

### *GulfCet Cruise 03 Personnel:*

#### Ship's Captain:

Chris Riffe, R/V *Pelican*

#### Chief Scientist:

Jeff Norris

TAMU, Research Associate

#### Scientific Staff:

Tom Jefferson

TAMU, Graduate Student

Logan Respress

TAMUG, Marine Technician

Troy Sparks

TAMU, Graduate Student

Bill Stevens

TAMUG, Marine Technician

Lisa De Los Santos

TAMUG, Student

David Weller

TAMU, Graduate Student

Scott Benson

NMFS, SWFSC

Tod Tenbrick

TAMUG, Student

David Brandon

TAMUG, Computer Programmer

Shawna Pruitt

TAMUG, Student

Ronnie Carroll

Volunteer

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respress

TAMUG, Marine Technician

#### Data Processing and Programming:

David Brandon

TAMUG, Computer Programmer

Mary Howley

TAMUG, Secretary/ Clerk

#### Report Writing and Quality Assurance:

Giulietta Fargion

TAMUG, GulfCet PI, Research Associate Specialist

Cheryl Schroeder

TAMUG, Student



**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

- DATA SUMMARY TABLES
- VERTICAL TEMPERATURE PROFILES

Cruise: GULFCET 03  
Latitude: 26° 41.02' N

Station: 02-012  
Longitude: 95° 30.00' W

Probe Type: T-20  
Date: 20-Nov-1992 Time: 2241

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.21	310.00	14.35	620.00	7.83
10.00	25.24	320.00	14.01	630.00	7.69
20.00	25.19	330.00	13.62	640.00	7.61
30.00	25.34	340.00	13.28		
40.00	25.32	350.00	12.93		
50.00	25.32	360.00	12.66		
60.00	25.33	370.00	12.31		
70.00	25.32	380.00	12.04		
80.00	25.32	390.00	11.77		
90.00	25.32	400.00	11.57		
100.00	25.32	410.00	11.35		
110.00	24.35	420.00	11.06		
120.00	23.57	430.00	10.90		
130.00	22.86	440.00	10.76		
140.00	22.40	450.00	10.41		
150.00	22.09	460.00	10.22		
160.00	20.65	470.00	10.04		
170.00	20.24	480.00	9.91		
180.00	19.40	490.00	9.70		
190.00	18.95	500.00	9.50		
200.00	18.56	510.00	9.25		
210.00	18.03	520.00	9.15		
220.00	17.39	530.00	9.05		
230.00	16.89	540.00	8.88		
240.00	16.54	550.00	8.66		
250.00	16.14	560.00	8.57		
260.00	15.74	570.00	8.41		
270.00	15.48	580.00	8.31		
280.00	15.15	590.00	8.18		
290.00	14.91	600.00	8.03		
300.00	14.56	610.00	7.92		

Cruise: GULFCET 03  
Latitude: 27° 23.07' N

Station: 02-014  
Longitude: 95° 29.99' W

Probe Type: T-20  
Date: 21-Nov-1992 Time: 0629

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.20	310.00	12.93	620.00	7.10	930.00	4.99
10.00	25.12	320.00	12.77	630.00	7.00	940.00	4.96
20.00	25.12	330.00	12.54	640.00	6.88	950.00	4.93
30.00	25.12	340.00	12.25	650.00	6.78	960.00	4.87
40.00	25.11	350.00	11.81	660.00	6.61	970.00	4.79
50.00	25.11	360.00	11.58	670.00	6.55		
60.00	25.17	370.00	11.37	680.00	6.44		
70.00	25.21	380.00	11.17	690.00	6.40		
80.00	23.22	390.00	10.98	700.00	6.32		
90.00	22.03	400.00	10.81	710.00	6.25		
100.00	21.24	410.00	10.57	720.00	6.20		
110.00	20.64	420.00	10.36	730.00	6.06		
120.00	20.02	430.00	10.18	740.00	6.01		
130.00	19.42	440.00	9.95	750.00	5.95		
140.00	18.95	450.00	9.82	760.00	5.91		
150.00	18.33	460.00	9.63	770.00	5.80		
160.00	17.91	470.00	9.38	780.00	5.74		
170.00	17.37	480.00	9.25	790.00	5.69		
180.00	16.82	490.00	9.03	800.00	5.68		
190.00	16.48	500.00	8.87	810.00	5.61		
200.00	16.07	510.00	8.72	820.00	5.56		
210.00	15.71	520.00	8.56	830.00	5.51		
220.00	15.39	530.00	8.40	840.00	5.48		
230.00	15.25	540.00	8.21	850.00	5.42		
240.00	14.98	550.00	8.03	860.00	5.36		
250.00	14.73	560.00	7.88	870.00	5.33		
260.00	14.45	570.00	7.72	880.00	5.29		
270.00	14.09	580.00	7.56	890.00	5.21		
280.00	13.76	590.00	7.42	900.00	5.12		
290.00	13.48	600.00	7.34	910.00	5.07		
300.00	13.25	610.00	7.16	920.00	5.01		

**Cruise:** GULFCET 03      **Station:** 02-016      **Probe Type:** T-7  
**Latitude:** 27° 27.92' N      **Longitude:** 95° 30.03' W      **Date:** 21-Nov-1992      **Time:** 0802

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.07	310.00	12.45	620.00	6.69
10.00	25.05	320.00	12.19	630.00	6.61
20.00	25.05	330.00	11.86	640.00	6.51
30.00	25.06	340.00	11.66	650.00	6.37
40.00	25.06	350.00	11.47	660.00	6.31
50.00	25.07	360.00	11.36	670.00	6.28
60.00	25.08	370.00	11.07	680.00	6.17
70.00	25.07	380.00	10.88	690.00	6.07
80.00	22.81	390.00	10.71	700.00	5.98
90.00	21.74	400.00	10.67	710.00	5.96
100.00	20.98	410.00	10.43	720.00	5.95
110.00	20.25	420.00	10.17	730.00	5.94
120.00	19.72	430.00	9.84	740.00	5.91
130.00	19.26	440.00	9.68	750.00	5.83
140.00	18.80	450.00	9.56		
150.00	18.18	460.00	9.42		
160.00	17.83	470.00	9.22		
170.00	17.42	480.00	8.99		
180.00	16.99	490.00	8.81		
190.00	16.50	500.00	8.71		
200.00	16.11	510.00	8.55		
210.00	15.70	520.00	8.32		
220.00	15.26	530.00	8.19		
230.00	14.94	540.00	8.07		
240.00	14.46	550.00	7.66		
250.00	14.09	560.00	7.42		
260.00	13.71	570.00	7.28		
270.00	13.40	580.00	7.13		
280.00	13.18	590.00	7.00		
290.00	13.01	600.00	6.90		
300.00	12.72	610.00	6.79		

**Cruise:** GULFCET 03      **Station:** 02-017      **Probe Type:** T-7  
**Latitude:** 27° 36.49' N      **Longitude:** 95° 29.91' W      **Date:** 21-Nov-1992      **Time:** 0932

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.88	310.00	11.55
10.00	23.89	320.00	11.24
20.00	23.90	330.00	11.00
30.00	23.92	340.00	10.79
40.00	23.94	350.00	10.61
50.00	24.33	360.00	10.40
60.00	24.14	370.00	10.21
70.00	24.15	380.00	10.05
80.00	23.75	390.00	9.97
90.00	22.23	400.00	9.78
100.00	20.78	410.00	9.51
110.00	20.07	420.00	9.23
120.00	19.40	430.00	9.10
130.00	18.61	440.00	8.84
140.00	17.84	450.00	8.65
150.00	17.45	460.00	8.54
160.00	16.90	470.00	8.41
170.00	16.39	480.00	8.21
180.00	16.10	490.00	8.05
190.00	15.68		
200.00	15.25		
210.00	15.04		
220.00	14.87		
230.00	14.68		
240.00	14.44		
250.00	14.24		
260.00	13.80		
270.00	13.18		
280.00	12.90		
290.00	12.50		
300.00	12.03		

**Cruise:** GULFCET 03  
**Latitude:** 27° 41.49' N

**Station:** 02-018  
**Longitude:** 95° 30.03' W

**Probe Type:** T-7  
**Date:** 21-Nov-1992 **Time:** 1023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.09	310.00	10.81
10.00	24.08	320.00	10.57
20.00	24.07	330.00	10.31
30.00	24.09	340.00	10.09
40.00	24.14	350.00	9.99
50.00	24.46	360.00	9.80
60.00	23.92	370.00	9.66
70.00	23.25	380.00	9.62
80.00	22.20		
90.00	21.21		
100.00	20.53		
110.00	20.20		
120.00	19.51		
130.00	18.60		
140.00	17.41		
150.00	16.74		
160.00	16.43		
170.00	15.80		
180.00	15.42		
190.00	14.92		
200.00	14.52		
210.00	13.88		
220.00	13.37		
230.00	13.04		
240.00	12.76		
250.00	12.51		
260.00	12.12		
270.00	11.88		
280.00	11.78		
290.00	11.53		
300.00	11.09		

**Cruise:** GULFCET 03  
**Latitude:** 27° 42.02' N

**Station:** 02-019  
**Longitude:** 95° 29.95' W

**Probe Type:** T-10  
**Date:** 21-Nov-1992 **Time:** 1031

Depth (m)	Temp. (°C)
0.00	24.06
10.00	24.09
20.00	24.09
30.00	24.09
40.00	24.31
50.00	24.47
60.00	23.90
70.00	23.09
80.00	22.44
90.00	21.50
100.00	20.39
110.00	19.90
120.00	19.41
130.00	18.68
140.00	17.74
150.00	16.93
160.00	16.40
170.00	15.98
180.00	15.34
190.00	14.98
200.00	14.33
210.00	14.03

**Cruise:** GULFCET 03  
**Latitude:** 27° 42.59' N

**Station:** 02-EX1  
**Longitude:** 95° 29.91' W

**Probe Type:** T-7  
**Date:** 21-Nov-1992 **Time:** 1037

Depth (m)	Temp. (°C)
0.00	24.19
10.00	24.13
20.00	24.13
30.00	24.13
40.00	24.15
50.00	24.59
60.00	24.00
70.00	23.33
80.00	22.66
90.00	21.34
100.00	20.51
110.00	20.10
120.00	19.65
130.00	19.02
140.00	18.02
150.00	17.00
160.00	16.45
170.00	15.79
180.00	15.38
190.00	14.79
200.00	14.28
210.00	13.20
220.00	12.95
230.00	12.82
240.00	12.56
250.00	12.29
260.00	12.00
270.00	11.82
280.00	11.61
290.00	11.45

**Cruise:** GULFCET 03  
**Latitude:** 27° 51.48' N

**Station:** 03-022  
**Longitude:** 94° 49.99' W

**Probe Type:** T-10  
**Date:** 19-Nov-1992 **Time:** 1603

Depth (m)	Temp. (°C)
0.00	24.35
10.00	24.34
20.00	24.35
30.00	24.45
40.00	24.73
50.00	24.96
60.00	24.95
70.00	25.03
80.00	24.95
90.00	23.28
100.00	22.34
110.00	21.46
120.00	20.13
130.00	19.40
140.00	18.45
150.00	17.33
160.00	15.98
170.00	15.30
180.00	14.83
190.00	14.43

Cruise: GULFCET 03  
Latitude: 27° 49.00' N

Station: 03-023  
Longitude: 94° 50.00' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 1629

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.49	310.00	10.41
10.00	24.43	320.00	10.20
20.00	24.42	330.00	10.08
30.00	24.65	340.00	10.03
40.00	24.93	350.00	10.01
50.00	25.01		
60.00	25.01		
70.00	24.94		
80.00	24.28		
90.00	22.89		
100.00	21.52		
110.00	20.13		
120.00	19.56		
130.00	18.79		
140.00	18.02		
150.00	17.20		
160.00	16.71		
170.00	15.95		
180.00	15.34		
190.00	14.91		
200.00	14.66		
210.00	14.37		
220.00	14.01		
230.00	13.64		
240.00	13.45		
250.00	12.94		
260.00	12.60		
270.00	12.22		
280.00	11.89		
290.00	11.00		
300.00	10.79		

Cruise: GULFCET 03  
Latitude: 27° 41.90' N

Station: 03-024  
Longitude: 94° 50.02' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 1747

Depth (m)	Temp. (°C)	300.00	12.63	Depth (m)	Temp. (°C)
0.00	25.02			310.00	12.50
10.00	25.02			320.00	12.21
20.00	25.03			330.00	11.91
30.00	25.03			340.00	11.85
40.00	25.03			350.00	11.65
50.00	25.03			360.00	11.31
60.00	25.03			370.00	11.11
70.00	25.02			380.00	10.79
80.00	23.33			390.00	10.36
90.00	22.38			400.00	9.92
100.00	20.99			410.00	9.42
110.00	20.34			420.00	9.27
120.00	20.15			430.00	9.16
130.00	19.52			440.00	9.05
140.00	18.89			450.00	8.88
150.00	18.32			460.00	8.68
160.00	17.51			470.00	8.65
170.00	16.99			480.00	8.44
180.00	16.55			490.00	8.24
190.00	15.99				
200.00	15.40				
210.00	15.13				
220.00	14.76				
230.00	14.47				
240.00	14.15				
250.00	13.85				
260.00	13.57				
270.00	13.34				
280.00	12.98				
290.00	12.78				

Cruise: GULFCET 03  
Latitude: 27° 34.92' N

Station: 03-025  
Longitude: 94° 49.92' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 1857

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.09	310.00	12.83
10.00	25.03	320.00	12.53
20.00	25.02	330.00	12.28
30.00	25.02	340.00	11.85
40.00	25.04	350.00	11.38
50.00	25.04	360.00	11.10
60.00	25.02	370.00	10.83
70.00	25.01	380.00	10.63
80.00	23.22	390.00	10.43
90.00	22.08	400.00	10.15
100.00	21.04	410.00	10.07
110.00	20.51	420.00	9.97
120.00	19.94	430.00	9.80
130.00	19.48	440.00	9.66
140.00	18.82		
150.00	18.40		
160.00	18.08		
170.00	17.51		
180.00	16.95		
190.00	16.58		
200.00	16.02		
210.00	15.58		
220.00	15.23		
230.00	15.01		
240.00	14.76		
250.00	14.52		
260.00	14.25		
270.00	13.97		
280.00	13.63		
290.00	13.45		
300.00	13.16		

Cruise: GULFCET 03  
Latitude: 27° 22.91' N

Station: 03-027  
Longitude: 94° 49.87' W

Probe Type: T-20  
Date: 19-Nov-1992 Time: 2209

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.24	310.00	12.99
10.00	25.22	320.00	12.66
20.00	25.20	330.00	12.39
30.00	25.21	340.00	12.12
40.00	25.20	350.00	11.73
50.00	25.15	360.00	11.61
60.00	25.15		
70.00	25.16		
80.00	22.73		
90.00	22.30		
100.00	21.62		
110.00	20.86		
120.00	20.35		
130.00	19.92		
140.00	19.30		
150.00	18.60		
160.00	18.03		
170.00	17.63		
180.00	17.36		
190.00	16.76		
200.00	16.47		
210.00	16.16		
220.00	15.87		
230.00	15.61		
240.00	15.17		
250.00	14.88		
260.00	14.44		
270.00	14.07		
280.00	13.71		
290.00	13.37		
300.00	13.14		

Cruise: GULFCET 03  
Latitude: 27° 03.44' N

Station: 03-028  
Longitude: 94° 49.99' W

Probe Type: T-20  
Date: 20-Nov-1992 Time: 0105

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.98	310.00	13.94	620.00	7.98	930.00	5.41
10.00	25.26	320.00	13.70	630.00	7.87	940.00	5.35
20.00	25.28	330.00	13.34	640.00	7.78	950.00	5.33
30.00	25.30	340.00	12.97	650.00	7.64	960.00	5.29
40.00	25.30	350.00	12.75	660.00	7.52	970.00	5.24
50.00	25.30	360.00	12.45	670.00	7.40	980.00	5.20
60.00	25.29	370.00	12.18	680.00	7.28	990.00	5.19
70.00	25.29	380.00	12.09	690.00	7.18		
80.00	25.27	390.00	11.82	700.00	7.02		
90.00	25.25	400.00	11.53	710.00	6.86		
100.00	25.22	410.00	11.35	720.00	6.72		
110.00	23.90	420.00	11.09	730.00	6.65		
120.00	23.19	430.00	11.23	740.00	6.56		
130.00	22.47	440.00	10.50	750.00	6.50		
140.00	22.22	450.00	10.39	760.00	6.40		
150.00	21.81	460.00	10.17	770.00	6.32		
160.00	20.25	470.00	9.95	780.00	6.23		
170.00	19.70	480.00	9.83	790.00	6.19		
180.00	19.09	490.00	9.74	800.00	6.12		
190.00	18.43	500.00	9.61	810.00	6.07		
200.00	18.00	510.00	9.42	820.00	6.01		
210.00	17.34	520.00	9.23	830.00	5.93		
220.00	16.86	530.00	9.10	840.00	5.87		
230.00	16.50	540.00	8.96	850.00	5.82		
240.00	16.08	550.00	8.90	860.00	5.76		
250.00	15.77	560.00	8.61	870.00	5.73		
260.00	15.40	570.00	8.51	880.00	5.65		
270.00	15.09	580.00	8.40	890.00	5.58		
280.00	14.89	590.00	8.30	900.00	5.57		
290.00	14.45	600.00	8.20	910.00	5.49		
300.00	14.17	610.00	8.08	920.00	5.48		

Cruise: GULFCET 03  
Latitude: 26° 37.19' N

Station: 04-032  
Longitude: 94° 09.75' W

Probe Type: T-20  
Date: 18-Nov-1992 Time: 1934

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.44	310.00	14.01	620.00	7.76	930.00	5.41
10.00	25.44	320.00	13.69	630.00	7.67	940.00	5.38
20.00	25.44	330.00	13.42	640.00	7.59	950.00	5.31
30.00	25.44	340.00	13.20	650.00	7.46	960.00	5.29
40.00	25.44	350.00	12.93	660.00	7.34	970.00	5.28
50.00	25.43	360.00	12.53	670.00	7.22	980.00	5.23
60.00	25.42	370.00	12.23	680.00	7.06	990.00	5.21
70.00	25.42	380.00	11.86	690.00	6.95		
80.00	25.42	390.00	11.62	700.00	6.89		
90.00	25.42	400.00	11.39	710.00	6.78		
100.00	25.41	410.00	11.20	720.00	6.70		
110.00	25.40	420.00	10.93	730.00	6.62		
120.00	24.06	430.00	10.82	740.00	6.51		
130.00	23.20	440.00	10.59	750.00	6.39		
140.00	22.74	450.00	10.34	760.00	6.35		
150.00	22.27	460.00	10.15	770.00	6.26		
160.00	21.08	470.00	9.94	780.00	6.22		
170.00	20.29	480.00	9.79	790.00	6.15		
180.00	19.54	490.00	9.67	800.00	6.06		
190.00	18.90	500.00	9.54	810.00	6.01		
200.00	18.18	510.00	9.38	820.00	5.97		
210.00	17.54	520.00	9.20	830.00	5.90		
220.00	17.12	530.00	8.99	840.00	5.82		
230.00	16.82	540.00	8.84	850.00	5.79		
240.00	16.22	550.00	8.76	860.00	5.72		
250.00	15.94	560.00	8.59	870.00	5.68		
260.00	15.65	570.00	8.49	880.00	5.64		
270.00	15.37	580.00	8.33	890.00	5.59		
280.00	14.99	590.00	8.21	900.00	5.55		
290.00	14.64	600.00	8.08	910.00	5.48		
300.00	14.30	610.00	7.90	920.00	5.43		



Cruise: GULFCET 03  
Latitude: 27° 29.97' N

Station: 04-037  
Longitude: 94° 10.02' W

Probe Type: T-20  
Date: 19-Nov-1992 Time: 0551

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.52	310.00	11.94	620.00	6.98	930.00	5.00
10.00	24.48	320.00	11.66	630.00	6.91	940.00	4.95
20.00	24.43	330.00	11.43	640.00	6.78		
30.00	24.46	340.00	11.16	650.00	6.72		
40.00	24.39	350.00	10.81	660.00	6.64		
50.00	24.37	360.00	10.49	670.00	6.61		
60.00	24.37	370.00	10.28	680.00	6.56		
70.00	24.33	380.00	10.01	690.00	6.53		
80.00	22.42	390.00	9.65	700.00	6.48		
90.00	21.14	400.00	9.53	710.00	6.34		
100.00	20.32	410.00	9.41	720.00	6.30		
110.00	19.69	420.00	9.29	730.00	6.12		
120.00	19.15	430.00	9.03	740.00	6.02		
130.00	18.38	440.00	8.83	750.00	5.96		
140.00	17.80	450.00	8.72	760.00	5.88		
150.00	17.43	460.00	8.56	770.00	5.82		
160.00	16.91	470.00	8.42	780.00	5.78		
170.00	16.54	480.00	8.31	790.00	5.77		
180.00	16.19	490.00	8.24	800.00	5.76		
190.00	15.71	500.00	8.18	810.00	5.70		
200.00	15.33	510.00	8.06	820.00	5.59		
210.00	15.03	520.00	7.93	830.00	5.45		
220.00	14.66	530.00	7.83	840.00	5.36		
230.00	14.17	540.00	7.74	850.00	5.26		
240.00	13.75	550.00	7.69	860.00	5.19		
250.00	13.44	560.00	7.58	870.00	5.14		
260.00	13.08	570.00	7.50	880.00	5.13		
270.00	12.91	580.00	7.41	890.00	5.10		
280.00	12.48	590.00	7.28	900.00	5.05		
290.00	12.17	600.00	7.14	910.00	5.03		
300.00	12.04	610.00	7.03	920.00	5.01		

Cruise: GULFCET 03  
Latitude: 27° 38.09' N

Station: 04-038  
Longitude: 94° 09.84' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 0708

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.40	310.00	11.98	620.00	6.68
10.00	24.38	320.00	11.73	630.00	6.64
20.00	24.33	330.00	11.47	640.00	6.58
30.00	24.28	340.00	11.28	650.00	6.48
40.00	24.28	350.00	10.82	660.00	6.44
50.00	24.37	360.00	10.38	670.00	6.40
60.00	24.36	370.00	10.19	680.00	6.37
70.00	24.35	380.00	10.03	690.00	6.35
80.00	23.07	390.00	9.76	700.00	6.33
90.00	22.04	400.00	9.55	710.00	6.31
100.00	20.77	410.00	9.36	720.00	6.30
110.00	20.07	420.00	9.17	730.00	6.24
120.00	19.37	430.00	9.09	740.00	6.21
130.00	18.77	440.00	9.00	750.00	6.19
140.00	18.26	450.00	8.91		
150.00	17.54	460.00	8.76		
160.00	16.94	470.00	8.58		
170.00	16.44	480.00	8.23		
180.00	16.05	490.00	8.05		
190.00	15.63	500.00	7.80		
200.00	15.37	510.00	7.67		
210.00	15.10	520.00	7.53		
220.00	14.64	530.00	7.47		
230.00	14.17	540.00	7.37		
240.00	14.03	550.00	7.33		
250.00	13.61	560.00	7.19		
260.00	13.36	570.00	7.15		
270.00	13.07	580.00	7.01		
280.00	12.83	590.00	6.94		
290.00	12.51	600.00	6.90		
300.00	12.26	610.00	6.76		

Cruise: GULFCET 03  
Latitude: 27° 40.96' N

Station: 04-039  
Longitude: 94° 09.99' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 0757

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.26	310.00	11.21
10.00	24.24	320.00	11.00
20.00	24.24	330.00	10.94
30.00	24.25	340.00	10.76
40.00	24.23	350.00	10.44
50.00	24.24	360.00	10.29
60.00	24.23	370.00	9.75
70.00	24.19	380.00	9.55
80.00	22.29	390.00	9.25
90.00	21.19	400.00	8.99
100.00	20.43	410.00	8.75
110.00	20.19	420.00	8.60
120.00	19.49	430.00	8.52
130.00	18.61	440.00	8.40
140.00	18.12	450.00	8.26
150.00	17.49	460.00	8.17
160.00	17.06	470.00	8.17
170.00	16.52	480.00	8.01
180.00	15.71	490.00	7.78
190.00	15.30	500.00	7.67
200.00	14.97	510.00	7.54
210.00	14.75	520.00	7.39
220.00	14.46		
230.00	13.85		
240.00	13.44		
250.00	12.91		
260.00	12.64		
270.00	12.60		
280.00	12.25		
290.00	12.09		
300.00	11.73		

Cruise: GULFCET 03  
Latitude: 27° 44.08' N

Station: 04-040  
Longitude: 94° 10.02' W

Probe Type: T-7  
Date: 19-Nov-1992 Time: 0828

Depth (m)	Temp. (°C)
0.00	24.55
10.00	24.39
20.00	24.38
30.00	24.38
40.00	24.38
50.00	24.37
60.00	24.36
70.00	24.31
80.00	23.71
90.00	21.80
100.00	20.83
110.00	20.12
120.00	19.58
130.00	18.81
140.00	17.98
150.00	17.34
160.00	16.96
170.00	16.51
180.00	16.03
190.00	15.57
200.00	14.89
210.00	14.25
220.00	14.09
230.00	13.78
240.00	13.34
250.00	13.23
260.00	12.85
270.00	12.41
280.00	12.11
290.00	11.45

**Cruise:** GULFCET 03  
**Latitude:** 27° 49.51' N

**Station:** 04-041  
**Longitude:** 94° 09.82' W

**Probe Type:** T-10  
**Date:** 19-Nov-1992 **Time:** 0918

Depth (m)	Temp. (°C)
0.00	24.46
10.00	24.32
20.00	24.32
30.00	24.32
40.00	24.32
50.00	24.32
60.00	24.33
70.00	24.33
80.00	23.88
90.00	22.08
100.00	21.15
110.00	20.38
120.00	19.93
130.00	19.25
140.00	17.79
150.00	16.75
160.00	15.74
170.00	15.00
180.00	14.71

**Cruise:** GULFCET 03  
**Latitude:** 27° 48.89' N

**Station:** 05-044  
**Longitude:** 93° 29.90' W

**Probe Type:** T-10  
**Date:** 17-Nov-1992 **Time:** 1701

Depth (m)	Temp. (°C)
0.00	24.39
10.00	24.45
20.00	24.45
30.00	24.41
40.00	24.40
50.00	24.41
60.00	24.42
70.00	24.42
80.00	24.41
90.00	23.36
100.00	21.30
110.00	19.93
120.00	19.35
130.00	18.08
140.00	17.32
150.00	16.65
160.00	15.73
170.00	15.11
180.00	14.74
190.00	14.25

Cruise: GULFCET 03  
Latitude: 27° 35.00' N

Station: 05-045  
Longitude: 93° 29.96' W

Probe Type: T-7  
Date: 17-Nov-1992 Time: 1910

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.54	310.00	12.08
10.00	24.32		
20.00	24.37		
30.00	24.36		
40.00	24.40		
50.00	24.37		
60.00	24.40		
70.00	23.70		
80.00	21.90		
90.00	21.02		
100.00	20.25		
110.00	19.72		
120.00	19.25		
130.00	18.51		
140.00	18.05		
150.00	17.67		
160.00	17.30		
170.00	16.85		
180.00	15.81		
190.00	15.69		
200.00	15.68		
210.00	15.43		
220.00	15.06		
230.00	14.91		
240.00	14.81		
250.00	14.55		
260.00	14.03		
270.00	13.33		
280.00	12.79		
290.00	12.26		
300.00	12.12		

Cruise: GULFCET 03  
Latitude: 27° 32.97' N

Station: 05-046  
Longitude: 93° 29.98' W

Probe Type: T-7  
Date: 17-Nov-1992 Time: 1927

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.47	310.00	11.91
10.00	24.40	320.00	11.52
20.00	24.45	330.00	10.54
30.00	24.45	340.00	9.88
40.00	24.44	350.00	9.35
50.00	24.45	360.00	9.28
60.00	24.46	370.00	9.18
70.00	23.90	380.00	9.03
80.00	22.59	390.00	8.73
90.00	21.52	400.00	8.63
100.00	20.37	410.00	8.52
110.00	20.00	420.00	8.41
120.00	19.52	430.00	8.34
130.00	18.77		
140.00	18.30		
150.00	17.81		
160.00	17.30		
170.00	16.66		
180.00	16.13		
190.00	15.67		
200.00	15.49		
210.00	15.04		
220.00	14.77		
230.00	14.55		
240.00	14.31		
250.00	14.01		
260.00	13.86		
270.00	13.62		
280.00	13.30		
290.00	12.69		
300.00	12.11		

**Cruise:** GULFCET 03      **Station:** 05-048      **Probe Type:** T-7  
**Latitude:** 27° 20.43' N      **Longitude:** 93° 27.97' W      **Date:** 17-Nov-1992      **Time:** 2211

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.46	310.00	11.81	620.00	6.31
10.00	24.39	320.00	11.53	630.00	6.28
20.00	24.37	330.00	11.31	640.00	6.25
30.00	24.36	340.00	11.02	650.00	6.19
40.00	24.37	350.00	10.82	660.00	6.11
50.00	24.37	360.00	10.64	670.00	6.08
60.00	24.35	370.00	10.49	680.00	6.03
70.00	22.77	380.00	10.33	690.00	5.99
80.00	21.73	390.00	10.19	700.00	5.96
90.00	21.18	400.00	10.07	710.00	5.94
100.00	20.17	410.00	9.96	720.00	5.90
110.00	19.33	420.00	9.80	730.00	5.74
120.00	18.80	430.00	9.55		
130.00	18.37	440.00	9.33		
140.00	17.71	450.00	9.23		
150.00	17.11	460.00	8.93		
160.00	16.68	470.00	8.84		
170.00	16.30	480.00	8.69		
180.00	15.83	490.00	8.47		
190.00	15.54	500.00	8.33		
200.00	15.10	510.00	8.16		
210.00	14.71	520.00	8.04		
220.00	14.39	530.00	7.92		
230.00	14.04	540.00	7.69		
240.00	13.78	550.00	7.37		
250.00	13.35	560.00	7.25		
260.00	13.12	570.00	7.21		
270.00	12.81	580.00	6.98		
280.00	12.50	590.00	6.88		
290.00	12.25	600.00	6.48		
300.00	12.07	610.00	6.36		

**Cruise:** GULFCET 03      **Station:** 05-049      **Probe Type:** T-20  
**Latitude:** 27° 05.95' N      **Longitude:** 93° 30.01' W      **Date:** 18-Nov-1992      **Time:** 0023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.75	310.00	12.15	620.00	7.16
10.00	24.62	320.00	11.90	630.00	7.05
20.00	24.61	330.00	11.67	640.00	6.98
30.00	24.60	340.00	11.43	650.00	6.84
40.00	24.61	350.00	11.24	660.00	6.70
50.00	24.61	360.00	11.02	670.00	6.61
60.00	24.44	370.00	10.84	680.00	6.54
70.00	24.52	380.00	10.58	690.00	6.41
80.00	23.88	390.00	10.35	700.00	6.33
90.00	21.65	400.00	10.23	710.00	6.18
100.00	20.89	410.00	10.09	720.00	6.10
110.00	20.20	420.00	9.93	730.00	6.05
120.00	19.63	430.00	9.56	740.00	5.98
130.00	18.74	440.00	9.41	750.00	5.86
140.00	18.07	450.00	9.19	760.00	5.71
150.00	17.52	460.00	9.06	770.00	5.48
160.00	17.02	470.00	8.88	780.00	5.31
170.00	16.54	480.00	8.74	790.00	5.23
180.00	16.26	490.00	8.56	800.00	5.21
190.00	15.84	500.00	8.45	810.00	5.17
200.00	15.36	510.00	8.31	820.00	5.15
210.00	15.04	520.00	8.16	830.00	5.12
220.00	14.69	530.00	8.02	840.00	5.08
230.00	14.36	540.00	7.93	850.00	5.05
240.00	14.04	550.00	7.70	860.00	5.01
250.00	13.82	560.00	7.62	870.00	5.00
260.00	13.61	570.00	7.58		
270.00	13.29	580.00	7.52		
280.00	13.01	590.00	7.43		
290.00	12.65	600.00	7.36		
300.00	12.37	610.00	7.26		

Cruise: GULFCET 03  
Latitude: 26° 43.00' N

Station: 05-051  
Longitude: 93° 30.01' W

Probe Type: T-20  
Date: 18-Nov-1992 Time: 0437

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.07	310.00	12.65	620.00	7.50	930.00	5.22
10.00	25.06	320.00	12.49	630.00	7.38	940.00	5.18
20.00	25.05	330.00	12.28	640.00	7.30	950.00	5.15
30.00	25.06	340.00	12.12	650.00	7.20	960.00	5.13
40.00	25.06	350.00	11.92	660.00	7.11	970.00	5.09
50.00	25.04	360.00	11.72	670.00	6.99	980.00	5.05
60.00	25.02	370.00	11.42	680.00	6.87	990.00	5.02
70.00	25.03	380.00	11.28	690.00	6.76		
80.00	25.03	390.00	11.04	700.00	6.68		
90.00	23.20	400.00	10.81	710.00	6.58		
100.00	22.07	410.00	10.65	720.00	6.50		
110.00	21.16	420.00	10.48	730.00	6.43		
120.00	20.25	430.00	10.28	740.00	6.34		
130.00	19.94	440.00	10.10	750.00	6.23		
140.00	19.07	450.00	9.98	760.00	6.17		
150.00	18.54	460.00	9.76	770.00	6.12		
160.00	17.82	470.00	9.60	780.00	6.02		
170.00	17.33	480.00	9.41	790.00	5.97		
180.00	16.83	490.00	9.32	800.00	5.93		
190.00	16.46	500.00	9.17	810.00	5.89		
200.00	16.02	510.00	9.03	820.00	5.82		
210.00	15.72	520.00	8.93	830.00	5.77		
220.00	15.38	530.00	8.82	840.00	5.72		
230.00	15.10	540.00	8.57	850.00	5.66		
240.00	14.56	550.00	8.43	860.00	5.61		
250.00	14.31	560.00	8.34	870.00	5.56		
260.00	14.05	570.00	8.12	880.00	5.48		
270.00	13.79	580.00	8.07	890.00	5.43		
280.00	13.43	590.00	7.95	900.00	5.40		
290.00	13.29	600.00	7.76	910.00	5.32		
300.00	12.95	610.00	7.64	920.00	5.27		

Cruise: GULFCET 03  
Latitude: 26° 52.28' N

Station: 06-056  
Longitude: 92° 50.00' W

Probe Type: T-20  
Date: 16-Nov-1992 Time: 2336

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.46	310.00	12.64	620.00	7.32	930.00	5.04
10.00	24.43	320.00	12.29	630.00	7.19	940.00	5.01
20.00	24.45	330.00	12.06	640.00	7.15	950.00	4.98
30.00	24.44	340.00	11.94	650.00	7.04	960.00	4.96
40.00	24.45	350.00	11.76	660.00	6.89	970.00	4.91
50.00	24.44	360.00	11.60	670.00	6.80	980.00	4.86
60.00	24.46	370.00	11.49	680.00	6.69	990.00	4.83
70.00	24.45	380.00	11.33	690.00	6.61		
80.00	23.47	390.00	11.04	700.00	6.53		
90.00	22.29	400.00	10.69	710.00	6.44		
100.00	21.18	410.00	10.42	720.00	6.35		
110.00	20.59	420.00	10.31	730.00	6.22		
120.00	19.89	430.00	10.10	740.00	6.14		
130.00	19.75	440.00	9.96	750.00	6.06		
140.00	18.74	450.00	9.78	760.00	6.00		
150.00	18.29	460.00	9.53	770.00	5.92		
160.00	17.67	470.00	9.34	780.00	5.86		
170.00	17.35	480.00	9.20	790.00	5.77		
180.00	16.98	490.00	9.07	800.00	5.71		
190.00	16.41	500.00	8.92	810.00	5.65		
200.00	15.98	510.00	8.79	820.00	5.58		
210.00	15.71	520.00	8.65	830.00	5.53		
220.00	15.37	530.00	8.41	840.00	5.45		
230.00	15.02	540.00	8.27	850.00	5.37		
240.00	14.66	550.00	8.10	860.00	5.33		
250.00	14.41	560.00	7.95	870.00	5.29		
260.00	14.10	570.00	7.83	880.00	5.24		
270.00	13.85	580.00	7.73	890.00	5.20		
280.00	13.49	590.00	7.64	900.00	5.17		
290.00	13.26	600.00	7.54	910.00	5.13		
300.00	12.89	610.00	7.41	920.00	5.09		

Cruise: GULFCET 03  
Latitude: 27° 18.98' N

Station: 06-058  
Longitude: 92° 50.03' W

Probe Type: T-20  
Date: 17-Nov-1992 Time: 0353

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.87	310.00	12.62	620.00	6.90	930.00	5.17
10.00	24.83	320.00	12.41	630.00	6.84	940.00	5.14
20.00	24.81	330.00	12.06	640.00	6.74	950.00	5.11
30.00	24.79	340.00	11.82	650.00	6.61	960.00	5.10
40.00	24.79	350.00	11.61	660.00	6.55	970.00	5.03
50.00	24.79	360.00	11.40	670.00	6.45	980.00	4.99
60.00	24.79	370.00	11.18	680.00	6.36	990.00	4.96
70.00	24.72	380.00	11.04	690.00	6.28		
80.00	22.99	390.00	10.83	700.00	6.18		
90.00	22.33	400.00	10.62	710.00	6.13		
100.00	21.52	410.00	10.39	720.00	6.07		
110.00	20.70	420.00	10.14	730.00	6.07		
120.00	20.14	430.00	9.90	740.00	6.01		
130.00	19.45	440.00	9.69	750.00	5.91		
140.00	19.10	450.00	9.56	760.00	5.84		
150.00	18.60	460.00	9.32	770.00	5.83		
160.00	17.90	470.00	9.16	780.00	5.69		
170.00	17.52	480.00	9.03	790.00	5.61		
180.00	16.97	490.00	8.79	800.00	5.56		
190.00	16.52	500.00	8.73	810.00	5.49		
200.00	16.13	510.00	8.53	820.00	5.46		
210.00	15.72	520.00	8.34	830.00	5.44		
220.00	15.39	530.00	8.25	840.00	5.42		
230.00	14.94	540.00	8.00	850.00	5.38		
240.00	14.68	550.00	7.84	860.00	5.33		
250.00	14.39	560.00	7.67	870.00	5.31		
260.00	14.08	570.00	7.58	880.00	5.29		
270.00	13.85	580.00	7.42	890.00	5.23		
280.00	13.57	590.00	7.28	900.00	5.23		
290.00	13.31	600.00	7.11	910.00	5.22		
300.00	13.03	610.00	6.99	920.00	5.20		

Cruise: GULFCET 03  
Latitude: 27° 26.14' N

Station: 06-059  
Longitude: 92° 49.97' W

Probe Type: T-7  
Date: 17-Nov-1992 Time: 0457

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.85	310.00	12.21	620.00	6.72
10.00	24.85	320.00	12.03	630.00	6.56
20.00	24.86	330.00	11.75	640.00	6.46
30.00	24.87	340.00	11.53	650.00	6.36
40.00	24.87	350.00	11.28	660.00	6.23
50.00	24.87	360.00	10.91	670.00	6.14
60.00	24.86	370.00	10.75	680.00	6.07
70.00	24.85	380.00	10.58	690.00	6.02
80.00	23.02	390.00	10.36	700.00	5.90
90.00	22.21	400.00	10.19	710.00	5.84
100.00	21.15	410.00	10.01	720.00	5.73
110.00	20.33	420.00	9.76	730.00	5.67
120.00	19.55	430.00	9.45	740.00	5.63
130.00	18.96	440.00	9.30	750.00	5.59
140.00	18.67	450.00	9.09	760.00	5.53
150.00	17.96	460.00	8.96	770.00	5.52
160.00	17.48	470.00	8.75	780.00	5.45
170.00	17.08	480.00	8.59	790.00	5.42
180.00	16.57	490.00	8.41	800.00	5.41
190.00	16.09	500.00	8.24	810.00	5.37
200.00	15.66	510.00	8.10		
210.00	15.35	520.00	7.95		
220.00	15.07	530.00	7.81		
230.00	14.64	540.00	7.66		
240.00	14.35	550.00	7.52		
250.00	14.10	560.00	7.39		
260.00	13.69	570.00	7.33		
270.00	13.30	580.00	7.23		
280.00	12.98	590.00	7.15		
290.00	12.69	600.00	6.93		
300.00	12.48	610.00	6.88		

Cruise: GULFCET 03  
Latitude: 27° 34.66' N

Station: 06-060  
Longitude: 92° 49.84' W

Probe Type: T-7  
Date: 17-Nov-1992 Time: 0614

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.74	310.00	12.09	620.00	6.38
10.00	24.72	320.00	11.76	630.00	6.34
20.00	24.73	330.00	11.33	640.00	6.28
30.00	24.73	340.00	10.90	650.00	6.23
40.00	24.74	350.00	10.75	660.00	6.15
50.00	24.73	360.00	10.51		
60.00	24.74	370.00	10.25		
70.00	23.84	380.00	9.98		
80.00	22.41	390.00	9.77		
90.00	21.73	400.00	9.60		
100.00	20.95	410.00	9.39		
110.00	20.62	420.00	9.25		
120.00	20.20	430.00	8.83		
130.00	19.33	440.00	8.69		
140.00	18.42	450.00	8.52		
150.00	17.90	460.00	8.36		
160.00	17.47	470.00	8.21		
170.00	16.86	480.00	7.98		
180.00	16.35	490.00	7.81		
190.00	15.99	500.00	7.57		
200.00	15.65	510.00	7.40		
210.00	15.17	520.00	7.33		
220.00	14.80	530.00	7.14		
230.00	14.36	540.00	7.10		
240.00	14.21	550.00	6.97		
250.00	13.98	560.00	6.87		
260.00	13.65	570.00	6.80		
270.00	13.44	580.00	6.72		
280.00	13.07	590.00	6.63		
290.00	12.83	600.00	6.55		
300.00	12.61	610.00	6.46		

Cruise: GULFCET 03  
Latitude: 27° 41.20' N

Station: 06-061  
Longitude: 92° 50.13' W

Probe Type: T-7  
Date: 17-Nov-1992 Time: 0715

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.50	310.00	10.59
10.00	24.48	320.00	10.29
20.00	24.50	330.00	9.39
30.00	24.51		
40.00	24.51		
50.00	24.51		
60.00	24.51		
70.00	23.24		
80.00	22.18		
90.00	21.58		
100.00	21.15		
110.00	20.56		
120.00	20.22		
130.00	19.67		
140.00	18.91		
150.00	18.17		
160.00	17.73		
170.00	17.08		
180.00	16.47		
190.00	16.01		
200.00	15.72		
210.00	15.21		
220.00	14.54		
230.00	13.96		
240.00	13.02		
250.00	12.84		
260.00	12.43		
270.00	11.54		
280.00	11.16		
290.00	10.83		
300.00	10.61		



**Cruise:** GULFCET 03  
**Latitude:** 27° 42.98' N

**Station:** 06-062  
**Longitude:** 92° 50.03' W

**Probe Type:** T-7  
**Date:** 17-Nov-1992 **Time:** 0730

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.61	310.00	10.55
10.00	24.55	320.00	10.27
20.00	24.55	330.00	10.11
30.00	24.58		
40.00	24.61		
50.00	24.61		
60.00	24.63		
70.00	23.68		
80.00	22.52		
90.00	21.92		
100.00	21.18		
110.00	20.86		
120.00	20.32		
130.00	19.65		
140.00	18.97		
150.00	18.26		
160.00	17.79		
170.00	17.24		
180.00	16.86		
190.00	16.31		
200.00	15.78		
210.00	15.29		
220.00	14.62		
230.00	13.68		
240.00	12.85		
250.00	12.31		
260.00	11.97		
270.00	11.61		
280.00	11.40		
290.00	11.32		
300.00	11.00		

**Cruise:** GULFCET 03  
**Latitude:** 27° 54.51' N

**Station:** 06-063  
**Longitude:** 92° 50.03' W

**Probe Type:** T-10  
**Date:** 17-Nov-1992 **Time:** 0916

Depth (m)	Temp. (°C)
0.00	23.73
10.00	23.72
20.00	23.74
30.00	23.74
40.00	23.74
50.00	23.75
60.00	23.75
70.00	23.52
80.00	21.88
90.00	20.77
100.00	20.53
110.00	19.85
120.00	19.44
130.00	18.82
140.00	18.23
150.00	17.67
160.00	17.35
170.00	16.69
180.00	15.93

**Cruise:** GULFCET 03  
**Latitude:** 27° 52.95' N

**Station:** 07-066  
**Longitude:** 92° 09.92' W

**Probe Type:** T-10  
**Date:** 15-Nov-1992 **Time:** 1936

Depth (m)	Temp. (°C)
0.00	24.04
10.00	23.87
20.00	23.87
30.00	23.87
40.00	23.88
50.00	23.88
60.00	23.89
70.00	23.87
80.00	22.89
90.00	21.89
100.00	20.60
110.00	19.99
120.00	19.35
130.00	18.66
140.00	18.20
150.00	17.79
160.00	17.36
170.00	17.23
180.00	16.69
190.00	15.24
200.00	14.36
210.00	13.83

**Cruise:** GULFCET 03  
**Latitude:** 27° 52.00' N

**Station:** 07-067  
**Longitude:** 92° 10.00' W

**Probe Type:** T-10  
**Date:** 15-Nov-1992 **Time:** 1943

Depth (m)	Temp. (°C)
0.00	24.21
10.00	23.89
20.00	23.92
30.00	23.92
40.00	23.92
50.00	23.91
60.00	23.92
70.00	23.91
80.00	22.40
90.00	21.29
100.00	20.54
110.00	19.84
120.00	19.27
130.00	18.43
140.00	17.79
150.00	17.34
160.00	16.92
170.00	16.75
180.00	15.79
190.00	15.12
200.00	14.39
210.00	13.43

Cruise: GULFCET 03  
Latitude: 27° 44.99' N

Station: 07-068  
Longitude: 92° 09.98' W

Probe Type: T-7  
Date: 15-Nov-1992 Time: 2044

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.61	310.00	10.40
10.00	24.45	320.00	10.09
20.00	24.45	330.00	9.89
30.00	24.45	340.00	9.79
40.00	24.45	350.00	9.64
50.00	24.45	360.00	9.57
60.00	24.46	370.00	9.38
70.00	24.46	380.00	9.16
80.00	24.42		
90.00	21.92		
100.00	21.03		
110.00	20.00		
120.00	19.36		
130.00	18.69		
140.00	18.01		
150.00	17.52		
160.00	16.84		
170.00	16.51		
180.00	16.14		
190.00	15.53		
200.00	15.15		
210.00	14.82		
220.00	14.46		
230.00	14.29		
240.00	13.84		
250.00	13.59		
260.00	13.01		
270.00	12.52		
280.00	12.23		
290.00	11.83		
300.00	10.82		

Cruise: GULFCET 03  
Latitude: 27° 37.03' N

Station: 07-069  
Longitude: 92° 10.02' W

Probe Type: T-7  
Date: 15-Nov-1992 Time: 2154

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.66	310.00	11.82	620.00	6.45
10.00	24.64	320.00	11.48	630.00	6.39
20.00	24.65	330.00	11.27	640.00	6.34
30.00	24.65	340.00	10.96	650.00	6.28
40.00	24.65	350.00	10.75	660.00	6.24
50.00	24.64	360.00	10.42	670.00	6.11
60.00	24.64	370.00	10.24	680.00	6.04
70.00	24.62	380.00	10.04	690.00	5.99
80.00	24.49	390.00	9.81	700.00	5.92
90.00	22.26	400.00	9.56	710.00	5.86
100.00	21.57	410.00	9.38		
110.00	20.71	420.00	9.28		
120.00	20.14	430.00	9.14		
130.00	19.45	440.00	8.97		
140.00	18.77	450.00	8.74		
150.00	18.31	460.00	8.54		
160.00	17.44	470.00	8.24		
170.00	16.68	480.00	8.14		
180.00	16.17	490.00	8.01		
190.00	15.86	500.00	7.90		
200.00	15.41	510.00	7.76		
210.00	15.16	520.00	7.57		
220.00	14.77	530.00	7.34		
230.00	14.37	540.00	7.22		
240.00	14.21	550.00	7.17		
250.00	14.14	560.00	7.04		
260.00	13.67	570.00	6.80		
270.00	13.24	580.00	6.70		
280.00	12.78	590.00	6.64		
290.00	12.52	600.00	6.59		
300.00	12.13	610.00	6.49		

Cruise: GULFCET 03  
Latitude: 27° 29.41' N

Station: 07-070  
Longitude: 92° 10.02' W

Probe Type: T-20  
Date: 15-Nov-1992 Time: 2259

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.81	310.00	11.30	620.00	6.24
10.00	24.83	320.00	10.97	630.00	6.14
20.00	24.80	330.00	10.83	640.00	6.08
30.00	24.78	340.00	10.62	650.00	5.98
40.00	24.79	350.00	10.38	660.00	5.90
50.00	24.78	360.00	10.23	670.00	5.82
60.00	24.79	370.00	10.08	680.00	5.75
70.00	24.77	380.00	9.97	690.00	5.70
80.00	23.76	390.00	9.80	700.00	5.67
90.00	22.38	400.00	9.67	710.00	5.63
100.00	21.82	410.00	9.41	720.00	5.59
110.00	21.02	420.00	9.21	730.00	5.54
120.00	20.20	430.00	9.05	740.00	5.48
130.00	19.82	440.00	8.84	750.00	5.41
140.00	19.27	450.00	8.69	760.00	5.39
150.00	18.52	460.00	8.49	770.00	5.38
160.00	18.07	470.00	8.30		
170.00	17.39	480.00	8.16		
180.00	16.99	490.00	8.03		
190.00	16.59	500.00	7.93		
200.00	16.24	510.00	7.84		
210.00	15.84	520.00	7.76		
220.00	15.58	530.00	7.73		
230.00	14.95	540.00	7.61		
240.00	14.66	550.00	7.37		
250.00	14.31	560.00	7.23		
260.00	13.52	570.00	7.06		
270.00	12.91	580.00	6.84		
280.00	12.31	590.00	6.65		
290.00	11.89	600.00	6.47		
300.00	11.54	610.00	6.36		

Cruise: GULFCET 03  
Latitude: 27° 10.01' N

Station: 07-072  
Longitude: 92° 10.00' W

Probe Type: T-20  
Date: 16-Nov-1992 Time: 0226

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.90	310.00	12.38	620.00	6.97	930.00	5.15
10.00	24.87	320.00	12.07	630.00	6.88	940.00	5.09
20.00	24.86	330.00	11.84	640.00	6.73	950.00	5.05
30.00	24.85	340.00	11.50	650.00	6.63	960.00	5.02
40.00	24.85	350.00	11.31	660.00	6.54	970.00	4.99
50.00	24.84	360.00	11.10	670.00	6.45	980.00	4.94
60.00	24.83	370.00	10.87	680.00	6.39	990.00	4.91
70.00	24.81	380.00	10.62	690.00	6.35		
80.00	23.01	390.00	10.42	700.00	6.29		
90.00	22.33	400.00	10.30	710.00	6.24		
100.00	22.05	410.00	10.13	720.00	6.16		
110.00	21.27	420.00	9.95	730.00	6.08		
120.00	20.58	430.00	9.78	740.00	6.04		
130.00	19.76	440.00	9.60	750.00	5.97		
140.00	19.05	450.00	9.52	760.00	5.93		
150.00	18.43	460.00	9.47	770.00	5.86		
160.00	17.80	470.00	9.31	780.00	5.80		
170.00	17.45	480.00	9.12	790.00	5.75		
180.00	17.04	490.00	8.83	800.00	5.68		
190.00	16.56	500.00	8.51	810.00	5.67		
200.00	16.13	510.00	8.31	820.00	5.60		
210.00	15.74	520.00	8.21	830.00	5.57		
220.00	15.39	530.00	8.06	840.00	5.50		
230.00	15.04	540.00	7.91	850.00	5.46		
240.00	14.69	550.00	7.64	860.00	5.44		
250.00	14.32	560.00	7.62	870.00	5.38		
260.00	13.93	570.00	7.47	880.00	5.36		
270.00	13.55	580.00	7.27	890.00	5.31		
280.00	13.23	590.00	7.17	900.00	5.28		
290.00	12.90	600.00	7.12	910.00	5.23		
300.00	12.63	610.00	7.06	920.00	5.19		

Cruise: GULFCET 03  
Latitude: 27° 22.99' N

Station: 08-079  
Longitude: 91° 29.97' W

Probe Type: T-20  
Date: 15-Nov-1992 Time: 0451

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.96	310.00	11.15	620.00	6.73	930.00	5.01
10.00	23.96	320.00	10.97	630.00	6.62	940.00	4.98
20.00	24.16	330.00	10.80	640.00	6.53	950.00	4.93
30.00	24.45	340.00	10.62	650.00	6.45	960.00	4.91
40.00	24.55	350.00	10.45	660.00	6.37	970.00	4.91
50.00	24.58	360.00	10.29	670.00	6.25	980.00	4.88
60.00	24.60	370.00	10.15	680.00	6.18	990.00	4.86
70.00	22.22	380.00	10.01	690.00	6.15		
80.00	21.29	390.00	9.86	700.00	6.11		
90.00	20.69	400.00	9.53	710.00	6.07		
100.00	19.75	410.00	9.44	720.00	5.99		
110.00	19.36	420.00	9.29	730.00	5.92		
120.00	18.72	430.00	9.01	740.00	5.85		
130.00	18.21	440.00	9.02	750.00	5.75		
140.00	17.60	450.00	8.83	760.00	5.64		
150.00	17.03	460.00	8.61	770.00	5.63		
160.00	16.72	470.00	8.43	780.00	5.61		
170.00	16.18	480.00	8.31	790.00	5.57		
180.00	15.88	490.00	8.22	800.00	5.56		
190.00	15.63	500.00	8.06	810.00	5.53		
200.00	14.94	510.00	7.99	820.00	5.52		
210.00	14.39	520.00	7.87	830.00	5.43		
220.00	13.81	530.00	7.71	840.00	5.41		
230.00	13.23	540.00	7.58	850.00	5.38		
240.00	12.70	550.00	7.55	860.00	5.33		
250.00	12.31	560.00	7.43	870.00	5.31		
260.00	12.04	570.00	7.32	880.00	5.24		
270.00	11.82	580.00	7.14	890.00	5.16		
280.00	11.58	590.00	7.03	900.00	5.12		
290.00	11.51	600.00	6.93	910.00	5.07		
300.00	11.42	610.00	6.82	920.00	5.02		

Cruise: GULFCET 03  
Latitude: 27° 32.99' N

Station: 08-081  
Longitude: 91° 30.03' W

Probe Type: T-20  
Date: 15-Nov-1992 Time: 0805

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.66	310.00	11.45	620.00	6.69	930.00	5.07
10.00	24.66	320.00	11.21	630.00	6.56		
20.00	24.65	330.00	10.98	640.00	6.49		
30.00	24.65	340.00	10.80	650.00	6.40		
40.00	24.64	350.00	10.57	660.00	6.32		
50.00	24.64	360.00	10.40	670.00	6.23		
60.00	24.63	370.00	10.21	680.00	6.15		
70.00	24.60	380.00	9.91	690.00	6.11		
80.00	21.87	390.00	9.65	700.00	6.05		
90.00	20.82	400.00	9.46	710.00	6.03		
100.00	19.91	410.00	9.23	720.00	5.92		
110.00	19.32	420.00	9.06	730.00	5.89		
120.00	18.69	430.00	8.93	740.00	5.79		
130.00	18.10	440.00	8.75	750.00	5.71		
140.00	17.61	450.00	8.66	760.00	5.60		
150.00	17.03	460.00	8.54	770.00	5.57		
160.00	16.66	470.00	8.34	780.00	5.54		
170.00	16.15	480.00	8.26	790.00	5.42		
180.00	15.63	490.00	8.16	800.00	5.42		
190.00	15.14	500.00	7.93	810.00	5.39		
200.00	14.71	510.00	7.84	820.00	5.37		
210.00	14.41	520.00	7.78	830.00	5.36		
220.00	14.16	530.00	7.57	840.00	5.33		
230.00	13.82	540.00	7.36	850.00	5.31		
240.00	13.55	550.00	7.27	860.00	5.31		
250.00	13.18	560.00	7.20	870.00	5.27		
260.00	12.84	570.00	7.10	880.00	5.21		
270.00	12.57	580.00	7.03	890.00	5.21		
280.00	12.18	590.00	6.98	900.00	5.21		
290.00	11.86	600.00	6.88	910.00	5.21		
300.00	11.60	610.00	6.75	920.00	5.16		

Cruise: GULFCET 03  
Latitude: 27° 45.54' N

Station: 08-082  
Longitude: 91° 29.90' W

Probe Type: T-7  
Date: 15-Nov-1992 Time: 0956

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.96	310.00	10.99	620.00	6.46
10.00	23.86	320.00	10.75	630.00	6.43
20.00	23.85	330.00	10.46	640.00	6.30
30.00	23.85	340.00	10.15	650.00	6.24
40.00	23.83	350.00	10.04	660.00	6.17
50.00	23.82	360.00	9.89	670.00	6.13
60.00	22.87	370.00	9.59	680.00	6.10
70.00	21.76	380.00	9.24	690.00	6.08
80.00	20.83	390.00	9.07	700.00	6.02
90.00	19.99	400.00	8.88	710.00	5.99
100.00	19.22	410.00	8.65	720.00	5.89
110.00	18.84	420.00	8.48		
120.00	18.53	430.00	8.34		
130.00	18.03	440.00	8.25		
140.00	17.63	450.00	8.18		
150.00	17.15	460.00	7.94		
160.00	16.71	470.00	7.82		
170.00	16.16	480.00	7.65		
180.00	15.57	490.00	7.54		
190.00	15.11	500.00	7.40		
200.00	14.46	510.00	7.35		
210.00	14.09	520.00	7.27		
220.00	13.56	530.00	7.21		
230.00	13.11	540.00	7.08		
240.00	12.75	550.00	6.94		
250.00	12.33	560.00	6.91		
260.00	12.10	570.00	6.83		
270.00	11.79	580.00	6.71		
280.00	11.73	590.00	6.65		
290.00	11.49	600.00	6.57		
300.00	11.14	610.00	6.45		

Cruise: GULFCET 03  
Latitude: 27° 49.56' N

Station: 08-083  
Longitude: 91° 30.09' W

Probe Type: T-7  
Date: 15-Nov-1992 Time: 1034

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.14	310.00	10.18
10.00	23.90	320.00	10.07
20.00	23.90	330.00	9.95
30.00	23.89	340.00	9.63
40.00	23.90	350.00	9.38
50.00	23.89		
60.00	23.02		
70.00	22.22		
80.00	21.37		
90.00	20.43		
100.00	19.65		
110.00	19.08		
120.00	18.29		
130.00	17.97		
140.00	17.67		
150.00	17.38		
160.00	16.54		
170.00	16.25		
180.00	16.14		
190.00	15.92		
200.00	15.46		
210.00	14.50		
220.00	13.39		
230.00	12.57		
240.00	11.87		
250.00	11.55		
260.00	11.49		
270.00	11.14		
280.00	10.99		
290.00	10.73		
300.00	10.32		

**Cruise:** GULFCET 03  
**Latitude:** 27° 52.00' N

**Station:** 08-084  
**Longitude:** 91° 30.02' W

**Probe Type:** T-7  
**Date:** 15-Nov-1992 **Time:** 1053

Depth (m)	Temp. (°C)
0.00	23.84
10.00	23.78
20.00	23.78
30.00	23.78
40.00	23.81
50.00	23.88
60.00	23.39
70.00	22.12
80.00	21.02
90.00	20.26
100.00	19.54
110.00	18.92
120.00	18.42
130.00	17.88
140.00	17.60
150.00	16.91
160.00	16.21
170.00	15.80
180.00	15.17
190.00	14.32
200.00	14.01
210.00	13.41
220.00	12.78
230.00	12.63
240.00	12.46

**Cruise:** GULFCET 03  
**Latitude:** 27° 52.95' N

**Station:** 08-085  
**Longitude:** 91° 29.97' W

**Probe Type:** T-10  
**Date:** 15-Nov-1992 **Time:** 1103

Depth (m)	Temp. (°C)
0.00	23.97
10.00	23.70
20.00	23.69
30.00	23.71
40.00	23.70
50.00	24.10
60.00	23.86
70.00	22.41
80.00	21.56
90.00	20.92
100.00	19.76
110.00	19.17
120.00	18.83
130.00	18.40
140.00	18.12
150.00	17.28
160.00	16.82
170.00	16.25
180.00	15.42
190.00	15.06
200.00	14.18
210.00	13.57

**Cruise:** GULFCET 03  
**Latitude:** 28° 8.80' N

**Station:** 09-087  
**Longitude:** 90° 50.00' W

**Probe Type:** T-10  
**Date:** 14-Nov-1992 **Time:** 0007

Depth (m)	Temp. (°C)
0.00	23.21
10.00	23.14
20.00	23.14
30.00	23.13
40.00	23.13
50.00	23.53
60.00	22.66
70.00	21.70
80.00	21.20
90.00	20.89
100.00	20.86
110.00	20.58

**Cruise:** GULFCET 03  
**Latitude:** 28° 02.46' N

**Station:** 09-088  
**Longitude:** 90° 49.96' W

**Probe Type:** T-10  
**Date:** 14-Nov-1992 **Time:** 0125

Depth (m)	Temp. (°C)
0.00	23.25
10.00	23.27
20.00	23.26
30.00	23.26
40.00	23.29
50.00	23.38
60.00	23.77
70.00	22.43
80.00	20.73
90.00	20.55
100.00	20.41
110.00	20.27
120.00	20.08
130.00	19.66
140.00	18.95
150.00	17.94
160.00	16.84
170.00	16.55
180.00	16.15
190.00	15.77
200.00	15.43
210.00	15.17



Cruise: GULFCET 03  
Latitude: 27° 59.79' N

Station: 09-089  
Longitude: 90° 49.99' W

Probe Type: T-7  
Date: 14-Nov-1992 Time: 0152

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.25	310.00	10.72
10.00	23.21	320.00	10.45
20.00	23.23	330.00	10.30
30.00	23.23	340.00	10.12
40.00	23.26	350.00	10.05
50.00	24.11		
60.00	23.11		
70.00	20.92		
80.00	20.64		
90.00	20.53		
100.00	20.30		
110.00	19.87		
120.00	19.41		
130.00	18.79		
140.00	17.90		
150.00	17.50		
160.00	16.85		
170.00	16.53		
180.00	16.28		
190.00	15.78		
200.00	15.40		
210.00	15.06		
220.00	14.56		
230.00	13.70		
240.00	13.08		
250.00	12.60		
260.00	12.11		
270.00	11.73		
280.00	11.56		
290.00	11.17		
300.00	10.90		

Cruise: GULFCET 03  
Latitude: 27° 51.98' N

Station: 09-090  
Longitude: 90° 49.45' W

Probe Type: T-7  
Date: 14-Nov-1992 Time: 0259

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.34	310.00	10.82
10.00	23.33	320.00	10.54
20.00	23.41	330.00	10.23
30.00	24.00	340.00	10.10
40.00	24.21	350.00	9.86
50.00	24.24	360.00	9.49
60.00	23.52	370.00	9.33
70.00	22.09	380.00	9.11
80.00	20.99	390.00	8.93
90.00	20.34	400.00	8.82
100.00	19.90	410.00	8.73
110.00	18.77		
120.00	18.49		
130.00	17.91		
140.00	16.94		
150.00	16.49		
160.00	15.88		
170.00	15.58		
180.00	15.22		
190.00	14.96		
200.00	14.76		
210.00	14.13		
220.00	13.74		
230.00	13.29		
240.00	12.94		
250.00	12.65		
260.00	12.08		
270.00	11.79		
280.00	11.55		
290.00	11.28		
300.00	11.05		

Cruise: GULFCET 03  
Latitude: 27° 45.96' N

Station: 09-091  
Longitude: 90° 49.95' W

Probe Type: T-7  
Date: 14-Nov-1992 Time: 0358

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.53	310.00	11.34	620.00	6.42
10.00	23.57	320.00	11.09	630.00	6.32
20.00	23.59	330.00	10.80	640.00	6.28
30.00	23.59	340.00	10.54	650.00	6.26
40.00	23.63	350.00	10.24	660.00	6.23
50.00	23.64	360.00	10.05	670.00	6.19
60.00	22.09	370.00	9.85		
70.00	21.14	380.00	9.67		
80.00	20.22	390.00	9.46		
90.00	19.32	400.00	9.22		
100.00	18.89	410.00	9.05		
110.00	18.05	420.00	8.84		
120.00	17.50	430.00	8.60		
130.00	17.05	440.00	8.46		
140.00	16.78	450.00	8.34		
150.00	16.33	460.00	8.16		
160.00	15.76	470.00	7.97		
170.00	15.49	480.00	7.76		
180.00	15.10	490.00	7.66		
190.00	14.85	500.00	7.57		
200.00	14.46	510.00	7.38		
210.00	14.22	520.00	7.27		
220.00	14.05	530.00	7.16		
230.00	13.85	540.00	7.06		
240.00	13.24	550.00	7.00		
250.00	12.79	560.00	6.92		
260.00	12.58	570.00	6.88		
270.00	12.48	580.00	6.81		
280.00	12.18	590.00	6.71		
290.00	11.89	600.00	6.59		
300.00	11.56	610.00	6.53		

Cruise: GULFCET 03  
Latitude: 27° 39.51' N

Station: 09-092  
Longitude: 90° 50.07' W

Probe Type: T-7  
Date: 14-Nov-1992 Time: 0458

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.91	310.00	11.28	620.00	6.46
10.00	23.68	320.00	11.06	630.00	6.39
20.00	23.70	330.00	10.76	640.00	6.27
30.00	23.69	340.00	10.52	650.00	6.19
40.00	23.77	350.00	10.21	660.00	6.14
50.00	23.23	360.00	9.99	670.00	6.07
60.00	21.26	370.00	9.78	680.00	6.03
70.00	20.07	380.00	9.48	690.00	5.93
80.00	19.58	390.00	9.30	700.00	5.88
90.00	19.11	400.00	9.15	710.00	5.85
100.00	18.68	410.00	8.99	720.00	5.80
110.00	18.24	420.00	8.90	730.00	5.75
120.00	17.84	430.00	8.79	740.00	5.67
130.00	17.45	440.00	8.58	750.00	5.59
140.00	16.93	450.00	8.38	760.00	5.53
150.00	16.55	460.00	8.21	770.00	5.47
160.00	16.10	470.00	8.02	780.00	5.44
170.00	15.84	480.00	7.93		
180.00	15.54	490.00	7.85		
190.00	14.91	500.00	7.77		
200.00	14.58	510.00	7.71		
210.00	14.22	520.00	7.55		
220.00	13.87	530.00	7.47		
230.00	13.61	540.00	7.32		
240.00	13.44	550.00	7.13		
250.00	13.20	560.00	7.01		
260.00	12.71	570.00	6.95		
270.00	12.36	580.00	6.89		
280.00	12.18	590.00	6.81		
290.00	11.83	600.00	6.71		
300.00	11.60	610.00	6.58		

**Cruise:** GULFCET 03  
**Latitude:** 27° 16.03' N

**Station:** 09-094  
**Longitude:** 90° 50.05' W

**Probe Type:** T-20  
**Date:** 14-Nov-1992 **Time:** 1016

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.79	310.00	11.02	620.00	6.51	930.00	4.91
10.00	23.65	320.00	10.90	630.00	6.50	940.00	4.90
20.00	23.63	330.00	10.71	640.00	6.44	950.00	4.89
30.00	23.63	340.00	10.50	650.00	6.37	960.00	4.85
40.00	23.63	350.00	10.20	660.00	6.29	970.00	4.84
50.00	23.61	360.00	9.94	670.00	6.25	980.00	4.84
60.00	21.77	370.00	9.78	680.00	6.16	990.00	4.81
70.00	20.83	380.00	9.60	690.00	6.08		
80.00	19.82	390.00	9.48	700.00	6.02		
90.00	19.20	400.00	9.31	710.00	6.00		
100.00	18.43	410.00	9.13	720.00	5.84		
110.00	18.04	420.00	8.91	730.00	5.78		
120.00	17.44	430.00	8.75	740.00	5.72		
130.00	16.93	440.00	8.61	750.00	5.68		
140.00	16.49	450.00	8.45	760.00	5.64		
150.00	16.08	460.00	8.36	770.00	5.59		
160.00	15.81	470.00	8.32	780.00	5.59		
170.00	15.42	480.00	8.12	790.00	5.55		
180.00	15.05	490.00	7.98	800.00	5.51		
190.00	14.70	500.00	7.78	810.00	5.45		
200.00	14.51	510.00	7.74	820.00	5.39		
210.00	14.03	520.00	7.65	830.00	5.36		
220.00	13.66	530.00	7.59	840.00	5.31		
230.00	13.16	540.00	7.47	850.00	5.26		
240.00	12.91	550.00	7.29	860.00	5.17		
250.00	12.58	560.00	7.18	870.00	5.12		
260.00	12.27	570.00	7.06	880.00	5.09		
270.00	12.00	580.00	6.88	890.00	5.05		
280.00	11.75	590.00	6.78	900.00	5.03		
290.00	11.60	600.00	6.72	910.00	5.02		
300.00	11.33	610.00	6.60	920.00	4.94		

**Cruise:** GULFCET 03  
**Latitude:** 28° 36.09' N

**Station:** 11-107  
**Longitude:** 89° 29.99' W

**Probe Type:** T-10  
**Date:** 12-Nov-1992 **Time:** 0639

Depth (m)	Temp. (°C)
0.00	23.85
10.00	23.80
20.00	23.85
30.00	23.85
40.00	23.91
50.00	23.55
60.00	22.60
70.00	22.03
80.00	21.95
90.00	21.89
100.00	21.61
110.00	21.33
120.00	21.01
130.00	20.39
140.00	19.22
150.00	18.08
160.00	17.50

Cruise: GULFCET 03  
Latitude: 28° 31.99' N

Station: 11-108  
Longitude: 89° 29.92' W

Probe Type: T-7  
Date: 12-Nov-1992 Time: 0720

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.73	310.00	10.48
10.00	23.64	320.00	9.89
20.00	23.65	330.00	9.38
30.00	23.65	340.00	9.24
40.00	23.77		
50.00	22.75		
60.00	22.30		
70.00	22.07		
80.00	21.87		
90.00	21.76		
100.00	21.29		
110.00	20.94		
120.00	20.18		
130.00	19.52		
140.00	18.60		
150.00	18.02		
160.00	17.26		
170.00	16.60		
180.00	15.99		
190.00	15.29		
200.00	14.67		
210.00	14.16		
220.00	13.65		
230.00	13.28		
240.00	13.08		
250.00	12.77		
260.00	12.26		
270.00	11.75		
280.00	11.29		
290.00	11.19		
300.00	10.84		

Cruise: GULFCET 03  
Latitude: 28° 28.00' N

Station: 11-109  
Longitude: 89° 29.99' W

Probe Type: T-7  
Date: 12-Nov-1992 Time: 0759

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.72	310.00	11.11
10.00	24.34	320.00	10.78
20.00	24.45	330.00	10.55
30.00	24.46	340.00	10.35
40.00	24.44	350.00	10.06
50.00	23.10	360.00	9.87
60.00	22.79	370.00	9.69
70.00	22.47	380.00	9.50
80.00	21.89	390.00	9.35
90.00	21.44	400.00	9.10
100.00	20.66	410.00	8.97
110.00	19.91	420.00	8.76
120.00	19.08	430.00	8.60
130.00	18.40	440.00	8.46
140.00	17.78	450.00	8.28
150.00	17.11	460.00	8.19
160.00	16.62	470.00	7.87
170.00	16.26	480.00	7.69
180.00	15.72	490.00	7.59
190.00	15.30	500.00	7.44
200.00	14.92	510.00	7.27
210.00	14.45	520.00	7.21
220.00	14.05		
230.00	13.62		
240.00	13.21		
250.00	12.78		
260.00	12.38		
270.00	12.18		
280.00	11.85		
290.00	11.48		
300.00	11.30		

Cruise: GULFCET 03  
Latitude: 28° 20.93' N

Station: 11-110  
Longitude: 89° 30.20' W

Probe Type: T-7  
Date: 12-Nov-1992 Time: 0909

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.48	310.00	11.14	620.00	6.72
10.00	24.44	320.00	10.91	630.00	6.67
20.00	24.46	330.00	10.68	640.00	6.57
30.00	24.52	340.00	10.33	650.00	6.46
40.00	24.62	350.00	10.15	660.00	6.40
50.00	24.60	360.00	9.94	670.00	6.21
60.00	22.43	370.00	9.73	680.00	6.09
70.00	21.16	380.00	9.61	690.00	5.98
80.00	20.29	390.00	9.40	700.00	5.84
90.00	19.78	400.00	9.20	710.00	5.75
100.00	19.06	410.00	8.99		
110.00	18.55	420.00	8.72		
120.00	18.15	430.00	8.56		
130.00	17.53	440.00	8.47		
140.00	17.09	450.00	8.29		
150.00	16.55	460.00	8.16		
160.00	15.96	470.00	8.00		
170.00	15.53	480.00	7.87		
180.00	15.15	490.00	7.81		
190.00	14.62	500.00	7.70		
200.00	14.29	510.00	7.63		
210.00	13.93	520.00	7.54		
220.00	13.55	530.00	7.42		
230.00	13.20	540.00	7.35		
240.00	12.89	550.00	7.28		
250.00	12.57	560.00	7.22		
260.00	12.35	570.00	7.04		
270.00	12.08	580.00	6.98		
280.00	11.81	590.00	6.95		
290.00	11.58	600.00	6.88		
300.00	11.39	610.00	6.82		

Cruise: GULFCET 03  
Latitude: 28° 15.07' N

Station: 11-111  
Longitude: 89° 29.98' W

Probe Type: T-20  
Date: 12-Nov-1992 Time: 1009

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.37	310.00	11.29	620.00	6.69	930.00	5.16
10.00	24.63	320.00	11.00	630.00	6.60	940.00	5.13
20.00	24.56	330.00	10.84	640.00	6.50	950.00	5.12
30.00	24.56	340.00	10.58	650.00	6.40		
40.00	24.56	350.00	10.32	660.00	6.35		
50.00	24.46	360.00	10.14	670.00	6.31		
60.00	22.76	370.00	10.04	680.00	6.25		
70.00	21.37	380.00	9.87	690.00	6.19		
80.00	20.45	390.00	9.66	700.00	6.13		
90.00	19.68	400.00	9.45	710.00	6.07		
100.00	19.20	410.00	9.22	720.00	5.97		
110.00	18.59	420.00	9.09	730.00	5.90		
120.00	18.02	430.00	8.98	740.00	5.84		
130.00	17.50	440.00	8.92	750.00	5.79		
140.00	16.95	450.00	8.79	760.00	5.74		
150.00	16.54	460.00	8.60	770.00	5.70		
160.00	16.05	470.00	8.51	780.00	5.68		
170.00	15.58	480.00	8.31	790.00	5.58		
180.00	15.03	490.00	8.19	800.00	5.53		
190.00	14.66	500.00	8.04	810.00	5.48		
200.00	14.33	510.00	7.94	820.00	5.45		
210.00	13.94	520.00	7.84	830.00	5.40		
220.00	13.62	530.00	7.77	840.00	5.37		
230.00	13.33	540.00	7.62	850.00	5.34		
240.00	12.92	550.00	7.50	860.00	5.29		
250.00	12.61	560.00	7.41	870.00	5.27		
260.00	12.43	570.00	7.30	880.00	5.26		
270.00	12.22	580.00	7.13	890.00	5.25		
280.00	12.01	590.00	7.00	900.00	5.22		
290.00	11.79	600.00	6.88	910.00	5.20		
300.00	11.57	610.00	6.76	920.00	5.16		

Cruise: GULFCET 03  
Latitude: 27° 26.00' N

Station: 12-116  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date: 11-Nov-1992 Time: 0427

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.95	310.00	10.82	620.00	6.55
10.00	24.66	320.00	10.55	630.00	6.44
20.00	24.66	330.00	10.39	640.00	6.36
30.00	24.67	340.00	10.16	650.00	6.27
40.00	24.67	350.00	9.99	660.00	6.16
50.00	22.34	360.00	9.75	670.00	6.10
60.00	20.75	370.00	9.58	680.00	6.03
70.00	20.06	380.00	9.38	690.00	5.94
80.00	19.17	390.00	9.20	700.00	5.89
90.00	18.40	400.00	9.08	710.00	5.83
100.00	17.71	410.00	8.85	720.00	5.77
110.00	17.16	420.00	8.68	730.00	5.71
120.00	16.64	430.00	8.51	740.00	5.68
130.00	15.85	440.00	8.40	750.00	5.62
140.00	15.49	450.00	8.31	760.00	5.56
150.00	15.18	460.00	8.18	770.00	5.53
160.00	14.75	470.00	8.00	780.00	5.48
170.00	14.42	480.00	7.79	790.00	5.43
180.00	14.01	490.00	7.68	800.00	5.38
190.00	13.78	500.00	7.60	810.00	5.32
200.00	13.49	510.00	7.57	820.00	5.30
210.00	13.21	520.00	7.45		
220.00	12.94	530.00	7.37		
230.00	12.68	540.00	7.28		
240.00	12.47	550.00	7.19		
250.00	12.16	560.00	7.17		
260.00	11.90	570.00	7.04		
270.00	11.65	580.00	6.93		
280.00	11.45	590.00	6.86		
290.00	11.21	600.00	6.75		
300.00	11.05	610.00	6.64		

Cruise: GULFCET 03  
Latitude: 28° 14.50' N

Station: 12-118  
Longitude: 88° 50.02' W

Probe Type: T-20  
Date: 11-Nov-1992 Time: 1331

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.07	310.00	11.53	620.00	7.01	930.00	5.22
10.00	25.03	320.00	11.39	630.00	6.89	940.00	5.20
20.00	25.01	330.00	11.19	640.00	6.78	950.00	5.18
30.00	25.00	340.00	10.97	650.00	6.71	960.00	5.18
40.00	25.00	350.00	10.82	660.00	6.67	970.00	5.14
50.00	24.92	360.00	10.71	670.00	6.61	980.00	5.09
60.00	22.69	370.00	10.48	680.00	6.51	990.00	5.06
70.00	21.52	380.00	10.31	690.00	6.44		
80.00	20.50	390.00	10.12	700.00	6.37		
90.00	19.85	400.00	9.91	710.00	6.28		
100.00	19.34	410.00	9.73	720.00	6.25		
110.00	18.82	420.00	9.59	730.00	6.15		
120.00	18.37	430.00	9.43	740.00	6.11		
130.00	17.68	440.00	9.26	750.00	6.07		
140.00	17.10	450.00	9.10	760.00	6.04		
150.00	16.51	460.00	8.96	770.00	5.96		
160.00	16.13	470.00	8.82	780.00	5.91		
170.00	15.72	480.00	8.70	790.00	5.84		
180.00	15.23	490.00	8.56	800.00	5.79		
190.00	14.79	500.00	8.37	810.00	5.72		
200.00	14.58	510.00	8.20	820.00	5.67		
210.00	14.24	520.00	8.03	830.00	5.60		
220.00	13.83	530.00	7.90	840.00	5.60		
230.00	13.53	540.00	7.80	850.00	5.55		
240.00	13.29	550.00	7.67	860.00	5.50		
250.00	12.92	560.00	7.60	870.00	5.47		
260.00	12.78	570.00	7.51	880.00	5.41		
270.00	12.52	580.00	7.39	890.00	5.37		
280.00	12.33	590.00	7.28	900.00	5.34		
290.00	11.96	600.00	7.20	910.00	5.31		
300.00	11.66	610.00	7.10	920.00	5.27		

Cruise: GULFCET 03  
Latitude: 28° 43.60' N

Station: 12-120  
Longitude: 88° 50.00' W

Probe Type: T-20  
Date: 11-Nov-1992 Time: 1929

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.03	310.00	11.76	620.00	6.50
10.00	23.79	320.00	11.61	630.00	6.37
20.00	23.78	330.00	11.46	640.00	6.35
30.00	23.72	340.00	11.20	650.00	6.28
40.00	23.72	350.00	10.95	660.00	6.23
50.00	22.58	360.00	10.71	670.00	6.19
60.00	21.58	370.00	10.54	680.00	6.09
70.00	21.02	380.00	10.36	690.00	6.02
80.00	20.30	390.00	10.20	700.00	5.95
90.00	19.89	400.00	10.04	710.00	5.89
100.00	19.17	410.00	9.81	720.00	5.79
110.00	18.48	420.00	9.66	730.00	5.75
120.00	17.98	430.00	9.47	740.00	5.70
130.00	17.40	440.00	9.27	750.00	5.64
140.00	17.03	450.00	9.07	760.00	5.61
150.00	16.79	460.00	8.85	770.00	5.58
160.00	16.52	470.00	8.70	780.00	5.54
170.00	16.06	480.00	8.55	790.00	5.54
180.00	15.65	490.00	8.35	800.00	5.52
190.00	15.30	500.00	8.27	810.00	5.49
200.00	15.02	510.00	8.18	820.00	5.47
210.00	14.58	520.00	7.95	830.00	5.46
220.00	14.26	530.00	7.81	840.00	5.46
230.00	13.95	540.00	7.72	850.00	5.45
240.00	13.61	550.00	7.59	860.00	5.44
250.00	13.33	560.00	7.51	870.00	5.42
260.00	13.00	570.00	7.04		
270.00	12.81	580.00	6.85		
280.00	12.50	590.00	6.70		
290.00	12.20	600.00	6.63		
300.00	11.96	610.00	6.59		

Cruise: GULFCET 03  
Latitude: 28° 47.00' N

Station: 12-121  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date: 11-Nov-1992 Time: 2004

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.85	310.00	11.80	620.00	6.21
10.00	23.80	320.00	11.54	630.00	6.21
20.00	23.80	330.00	11.34	640.00	6.17
30.00	23.80	340.00	11.08	650.00	6.16
40.00	23.81	350.00	10.95	660.00	6.15
50.00	22.75	360.00	10.76	670.00	6.16
60.00	21.77	370.00	10.54	680.00	6.15
70.00	20.78	380.00	10.26	690.00	6.13
80.00	20.36	390.00	10.03	700.00	5.99
90.00	19.42	400.00	9.81		
100.00	18.78	410.00	9.68		
110.00	18.28	420.00	9.54		
120.00	17.94	430.00	9.40		
130.00	17.42	440.00	9.14		
140.00	17.02	450.00	8.95		
150.00	16.57	460.00	8.78		
160.00	16.19	470.00	8.69		
170.00	15.86	480.00	8.58		
180.00	15.45	490.00	8.31		
190.00	15.14	500.00	8.01		
200.00	14.82	510.00	7.84		
210.00	14.50	520.00	7.80		
220.00	14.24	530.00	7.61		
230.00	14.04	540.00	7.45		
240.00	13.70	550.00	7.25		
250.00	13.46	560.00	7.02		
260.00	13.12	570.00	6.89		
270.00	12.69	580.00	6.66		
280.00	12.53	590.00	6.52		
290.00	12.24	600.00	6.44		
300.00	12.01	610.00	6.38		

Cruise: GULFCET 03  
Latitude: 28° 53.00' N

Station: 12-122  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date: 11-Nov-1992 Time: 2104

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.02	310.00	11.36
10.00	24.03	320.00	11.01
20.00	24.02	330.00	10.76
30.00	23.78	340.00	10.64
40.00	23.63	350.00	10.47
50.00	23.51	360.00	9.98
60.00	22.81	370.00	9.72
70.00	21.23	380.00	9.58
80.00	20.71	390.00	9.43
90.00	19.89	400.00	9.39
100.00	19.42	410.00	9.36
110.00	18.63	420.00	9.32
120.00	18.06		
130.00	17.60		
140.00	17.26		
150.00	16.87		
160.00	16.44		
170.00	16.04		
180.00	15.62		
190.00	15.18		
200.00	14.83		
210.00	14.56		
220.00	14.19		
230.00	13.86		
240.00	13.39		
250.00	13.12		
260.00	12.70		
270.00	12.40		
280.00	12.17		
290.00	11.91		
300.00	11.62		

Cruise: GULFCET 03  
Latitude: 28° 55.50' N

Station: 12-123  
Longitude: 88° 50.00' W

Probe Type: T-7  
Date: 11-Nov-1992 Time: 2129

Depth (m)	Temp. (°C)
0.00	22.59
10.00	23.51
20.00	23.56
30.00	23.53
40.00	23.47
50.00	23.56
60.00	23.19
70.00	22.25
80.00	21.29
90.00	20.17
100.00	19.55
110.00	18.81
120.00	18.36
130.00	17.91
140.00	17.53
150.00	17.01
160.00	16.48
170.00	16.04
180.00	15.63
190.00	15.29
200.00	14.69
210.00	14.00
220.00	13.59
230.00	13.21
240.00	12.49
250.00	12.17
260.00	11.77
270.00	11.41
280.00	11.00
290.00	9.84



**Cruise:** GULFCET 03  
**Latitude:** 29° 0.00' N

**Station:** 12-124  
**Longitude:** 88° 97.00' W

**Probe Type:** T-10  
**Date:** 11-Nov-1992 **Time:** 2216

Depth (m)	Temp. (°C)
0.00	22.04
10.00	22.39
20.00	22.85
30.00	23.37
40.00	23.44
50.00	23.43
60.00	23.44
70.00	23.19
80.00	21.90
90.00	21.50
100.00	20.99
110.00	20.62
120.00	20.17
130.00	19.55
140.00	18.51
150.00	17.40
160.00	15.94
170.00	14.73
180.00	14.32

**Cruise:** GULFCET 03  
**Latitude:** 29° 13.00' N

**Station:** 13-127  
**Longitude:** 88° 09.99' W

**Probe Type:** T-10  
**Date:** 10-Nov-1992 **Time:** 1053

Depth (m)	Temp. (°C)
0.00	23.41
10.00	23.41
20.00	23.41
30.00	23.41
40.00	23.42
50.00	23.40
60.00	23.39
70.00	23.38
80.00	21.90
90.00	21.10
100.00	20.19
110.00	19.50
120.00	19.00
130.00	18.42
140.00	17.73
150.00	17.30
160.00	16.75
170.00	16.29
180.00	15.31
190.00	14.49
200.00	13.61

**Cruise:** GULFCET 03  
**Latitude:** 29° 10.50' N

**Station:** 13-128  
**Longitude:** 88° 10.00' W

**Probe Type:** T-7  
**Date:** 10-Nov-1992 **Time:** 1126

Depth (m)	Temp. (°C)
0.00	23.74
10.00	23.74
20.00	23.73
30.00	23.74
40.00	23.74
50.00	23.59
60.00	23.72
70.00	22.16
80.00	21.48
90.00	20.84
100.00	19.90
110.00	18.99
120.00	18.27
130.00	17.54
140.00	17.29
150.00	16.78
160.00	16.56
170.00	16.29
180.00	15.83
190.00	15.46
200.00	15.12
210.00	14.92

**Cruise:** GULFCET 03  
**Latitude:** 29° 08.50' N

**Station:** 13-129  
**Longitude:** 88° 10.00' W

**Probe Type:** T-7  
**Date:** 10-Nov-1992 **Time:** 1146

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.62	310.00	11.44
10.00	23.44	320.00	11.07
20.00	23.44	330.00	10.73
30.00	23.45	340.00	10.43
40.00	23.46	350.00	10.10
50.00	23.46	360.00	9.36
60.00	23.51	370.00	8.93
70.00	22.41	380.00	8.61
80.00	21.69	390.00	8.35
90.00	20.46	400.00	8.19
100.00	19.73	410.00	7.97
110.00	19.15	420.00	7.85
120.00	18.22	430.00	7.71
130.00	17.88	440.00	7.62
140.00	17.42	450.00	7.59
150.00	17.04	460.00	7.48
160.00	16.68	470.00	7.33
170.00	16.26	480.00	7.25
180.00	15.95	490.00	7.17
190.00	15.62	500.00	7.07
200.00	15.07	510.00	7.00
210.00	14.72		
220.00	14.25		
230.00	13.72		
240.00	13.45		
250.00	13.25		
260.00	12.77		
270.00	12.39		
280.00	12.20		
290.00	11.95		
300.00	11.71		

Cruise: GULFCET 03  
Latitude: 29° 05.00' N

Station: 13-130  
Longitude: 88° 10.01' W

Probe Type: T-7  
Date: 10-Nov-1992 Time: 1219

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.44	310.00	11.46
10.00	23.44	320.00	11.32
20.00	23.44	330.00	11.13
30.00	23.44	340.00	10.93
40.00	23.44	350.00	10.66
50.00	23.45	360.00	10.43
60.00	22.33	370.00	10.21
70.00	21.13	380.00	10.09
80.00	20.46	390.00	9.91
90.00	19.83	400.00	9.78
100.00	19.05	410.00	9.52
110.00	18.62	420.00	8.96
120.00	18.13	430.00	8.72
130.00	17.66	440.00	8.39
140.00	17.45	450.00	7.99
150.00	17.06	460.00	7.79
160.00	16.59	470.00	7.52
170.00	16.25	480.00	7.47
180.00	15.93	490.00	7.42
190.00	15.53	500.00	7.32
200.00	15.10		
210.00	14.76		
220.00	14.36		
230.00	14.06		
240.00	13.53		
250.00	13.27		
260.00	12.83		
270.00	12.46		
280.00	12.21		
290.00	11.86		
300.00	11.65		

Cruise: GULFCET 03  
Latitude: 29° 03.00' N

Station: 13-131  
Longitude: 88° 10.07' W

Probe Type: T-20  
Date: 10-Nov-1992 Time: 1234

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.64	310.00	12.40	620.00	7.47
10.00	23.49	320.00	12.07	630.00	7.36
20.00	23.45	330.00	11.89	640.00	7.20
30.00	23.43	340.00	11.69	650.00	7.16
40.00	23.45	350.00	11.51	660.00	7.16
50.00	23.39	360.00	11.21	670.00	6.98
60.00	22.94	370.00	11.00	680.00	6.92
70.00	21.48	380.00	10.82	690.00	6.89
80.00	20.59	390.00	10.65		
90.00	19.78	400.00	10.53		
100.00	19.02	410.00	10.42		
110.00	18.64	420.00	10.19		
120.00	18.30	430.00	10.09		
130.00	17.92	440.00	9.94		
140.00	17.35	450.00	9.82		
150.00	17.00	460.00	9.33		
160.00	16.86	470.00	9.15		
170.00	16.73	480.00	8.95		
180.00	16.69	490.00	8.80		
190.00	16.30	500.00	8.59		
200.00	15.97	510.00	8.39		
210.00	15.69	520.00	8.22		
220.00	15.28	530.00	8.23		
230.00	14.94	540.00	8.17		
240.00	14.65	550.00	7.51		
250.00	14.31	560.00	7.34		
260.00	13.85	570.00	7.70		
270.00	13.56	580.00	7.74		
280.00	13.21	590.00	7.63		
290.00	12.90	600.00	7.54		
300.00	12.67	610.00	7.49		

Cruise: GULFCET 03  
Latitude: 28° 49.00' N

Station: 13-132  
Longitude: 88° 09.00' W

Probe Type: T-20  
Date: 10-Nov-1992 Time: 1515

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.30	310.00	12.26
10.00	24.20	320.00	11.96
20.00	24.19	330.00	11.65
30.00	24.16	340.00	11.50
40.00	24.15	350.00	11.28
50.00	23.99	360.00	11.04
60.00	22.63	370.00	10.75
70.00	21.12	380.00	10.50
80.00	20.45	390.00	10.31
90.00	19.57	400.00	10.10
100.00	18.98	410.00	9.86
110.00	18.26	420.00	9.65
120.00	17.70	430.00	9.49
130.00	17.15	440.00	9.30
140.00	16.81	450.00	9.15
150.00	16.41	460.00	9.06
160.00	16.07	470.00	8.93
170.00	15.83	480.00	8.82
180.00	15.62	490.00	8.68
190.00	15.39	500.00	8.55
200.00	15.07	510.00	8.38
210.00	14.65	520.00	8.26
220.00	14.21	530.00	8.20
230.00	14.02	540.00	8.07
240.00	13.96	550.00	7.90
250.00	13.81	560.00	7.73
260.00	13.46	570.00	7.58
270.00	13.15	580.00	7.53
280.00	12.91		
290.00	12.69		
300.00	12.54		

Cruise: GULFCET 03  
Latitude: 28° 37.00' N

Station: 13-134  
Longitude: 88° 10.04' W

Probe Type: T-20  
Date: 10-Nov-1992 Time: 1837

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.76	310.00	11.98
10.00	24.63	320.00	11.72
20.00	24.63	330.00	11.52
30.00	24.63	340.00	11.26
40.00	24.67	350.00	11.01
50.00	24.78	360.00	10.87
60.00	22.29	370.00	10.68
70.00	21.39	380.00	10.43
80.00	20.74	390.00	10.20
90.00	20.14	400.00	10.00
100.00	19.42	410.00	9.74
110.00	18.95	420.00	9.59
120.00	18.18	430.00	9.48
130.00	17.74	440.00	9.36
140.00	17.23	450.00	9.19
150.00	16.93	460.00	9.07
160.00	16.50	470.00	9.15
170.00	16.08	480.00	8.98
180.00	15.70	490.00	8.79
190.00	15.35	500.00	8.67
200.00	15.07		
210.00	14.80		
220.00	14.51		
230.00	14.12		
240.00	13.80		
250.00	13.56		
260.00	13.35		
270.00	13.09		
280.00	12.85		
290.00	12.60		
300.00	12.32		

Cruise: GULFCET 03  
Latitude: 29° 15.08' N

Station: 14-138  
Longitude: 87° 30.00' W

Probe Type: T-20  
Date: 10-Nov-1992 Time: 0015

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.92	310.00	11.26	620.00	6.76	930.00	5.23
10.00	23.93	320.00	11.00	630.00	6.69		
20.00	23.93	330.00	10.75	640.00	6.66		
30.00	23.92	340.00	10.61	650.00	6.57		
40.00	23.92	350.00	10.40	660.00	6.49		
50.00	23.86	360.00	10.22	670.00	6.39		
60.00	22.79	370.00	10.02	680.00	6.30		
70.00	21.30	380.00	9.83	690.00	6.13		
80.00	20.39	390.00	9.61	700.00	6.00		
90.00	19.66	400.00	9.39	710.00	5.85		
100.00	19.12	410.00	9.27	720.00	5.76		
110.00	18.49	420.00	9.11	730.00	5.72		
120.00	17.92	430.00	8.95	740.00	5.71		
130.00	17.24	440.00	8.83	750.00	5.71		
140.00	16.77	450.00	8.75	760.00	5.71		
150.00	16.49	460.00	8.60	770.00	5.68		
160.00	16.12	470.00	8.46	780.00	5.67		
170.00	15.71	480.00	8.36	790.00	5.64		
180.00	15.31	490.00	8.23	800.00	5.62		
190.00	15.00	500.00	8.04	810.00	5.61		
200.00	14.65	510.00	7.89	820.00	5.57		
210.00	14.21	520.00	7.74	830.00	5.54		
220.00	13.96	530.00	7.61	840.00	5.46		
230.00	13.65	540.00	7.46	850.00	5.40		
240.00	13.46	550.00	7.31	860.00	5.37		
250.00	13.12	560.00	7.23	870.00	5.36		
260.00	12.81	570.00	7.16	880.00	5.34		
270.00	12.53	580.00	7.13	890.00	5.31		
280.00	12.18	590.00	7.06	900.00	5.30		
290.00	11.87	600.00	6.99	910.00	5.27		
300.00	11.55	610.00	6.87	920.00	5.24		

Cruise: GULFCET 03  
Latitude: 29° 17.00' N

Station: 14-139  
Longitude: 87° 30.00' W

Probe Type: T-7  
Date: 10-Nov-1992 Time: 0126

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.84	310.00	11.02	620.00	6.42
10.00	23.81	320.00	10.80	630.00	6.38
20.00	23.81	330.00	10.47	640.00	6.33
30.00	23.82	340.00	10.31	650.00	6.25
40.00	23.83	350.00	10.08	660.00	6.22
50.00	23.79	360.00	9.92	670.00	6.15
60.00	23.16	370.00	9.67	680.00	6.12
70.00	21.49	380.00	9.44	690.00	6.03
80.00	20.53	390.00	9.17	700.00	5.96
90.00	19.84	400.00	9.06	710.00	5.90
100.00	19.12	410.00	8.93	720.00	5.84
110.00	18.45	420.00	8.77	730.00	5.79
120.00	17.89	430.00	8.64	740.00	5.76
130.00	17.31	440.00	8.56	750.00	5.70
140.00	16.92	450.00	8.39		
150.00	16.62	460.00	8.26		
160.00	16.14	470.00	8.04		
170.00	15.58	480.00	7.94		
180.00	15.09	490.00	7.77		
190.00	14.76	500.00	7.68		
200.00	14.37	510.00	7.60		
210.00	13.99	520.00	7.47		
220.00	13.68	530.00	7.34		
230.00	13.36	540.00	7.26		
240.00	12.86	550.00	7.05		
250.00	12.60	560.00	6.98		
260.00	12.29	570.00	6.90		
270.00	12.21	580.00	6.77		
280.00	11.86	590.00	6.70		
290.00	11.55	600.00	6.60		
300.00	11.30	610.00	6.53		

Cruise: GULFCET 03  
Latitude: 29° 20.00' N

Station: 14-140  
Longitude: 87° 30.00' W

Probe Type: T-7  
Date: 10-Nov-1992 Time: 0159

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.69	310.00	10.62
10.00	23.66	320.00	10.50
20.00	23.67	330.00	9.82
30.00	23.68	340.00	9.54
40.00	23.70	350.00	9.28
50.00	23.72	360.00	9.05
60.00	23.70	370.00	8.83
70.00	22.28	380.00	8.57
80.00	21.95	390.00	8.15
90.00	21.46	400.00	7.71
100.00	20.28	410.00	7.56
110.00	19.54	420.00	7.45
120.00	18.38		
130.00	17.50		
140.00	17.16		
150.00	16.60		
160.00	16.01		
170.00	15.43		
180.00	15.23		
190.00	14.76		
200.00	14.14		
210.00	13.77		
220.00	13.49		
230.00	13.06		
240.00	12.63		
250.00	12.35		
260.00	12.24		
270.00	11.85		
280.00	11.23		
290.00	10.97		
300.00	10.85		

Cruise: GULFCET 03  
Latitude: 29° 22.00' N

Station: 14-141  
Longitude: 87° 30.00' W

Probe Type: T-7  
Date: 10-Nov-1992 Time: 0247

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.59	310.00	9.21
10.00	23.63	320.00	8.94
20.00	23.64	330.00	8.53
30.00	23.64	340.00	8.44
40.00	23.65	350.00	8.38
50.00	23.64		
60.00	23.64		
70.00	22.34		
80.00	21.98		
90.00	21.81		
100.00	21.11		
110.00	19.32		
120.00	18.52		
130.00	17.48		
140.00	16.60		
150.00	16.02		
160.00	15.51		
170.00	15.25		
180.00	14.82		
190.00	14.30		
200.00	13.99		
210.00	13.82		
220.00	13.49		
230.00	12.73		
240.00	12.28		
250.00	12.05		
260.00	11.16		
270.00	10.36		
280.00	9.97		
290.00	9.67		
300.00	9.52		

**Cruise:** GULFCET 03  
**Latitude:** 29° 24.52' N

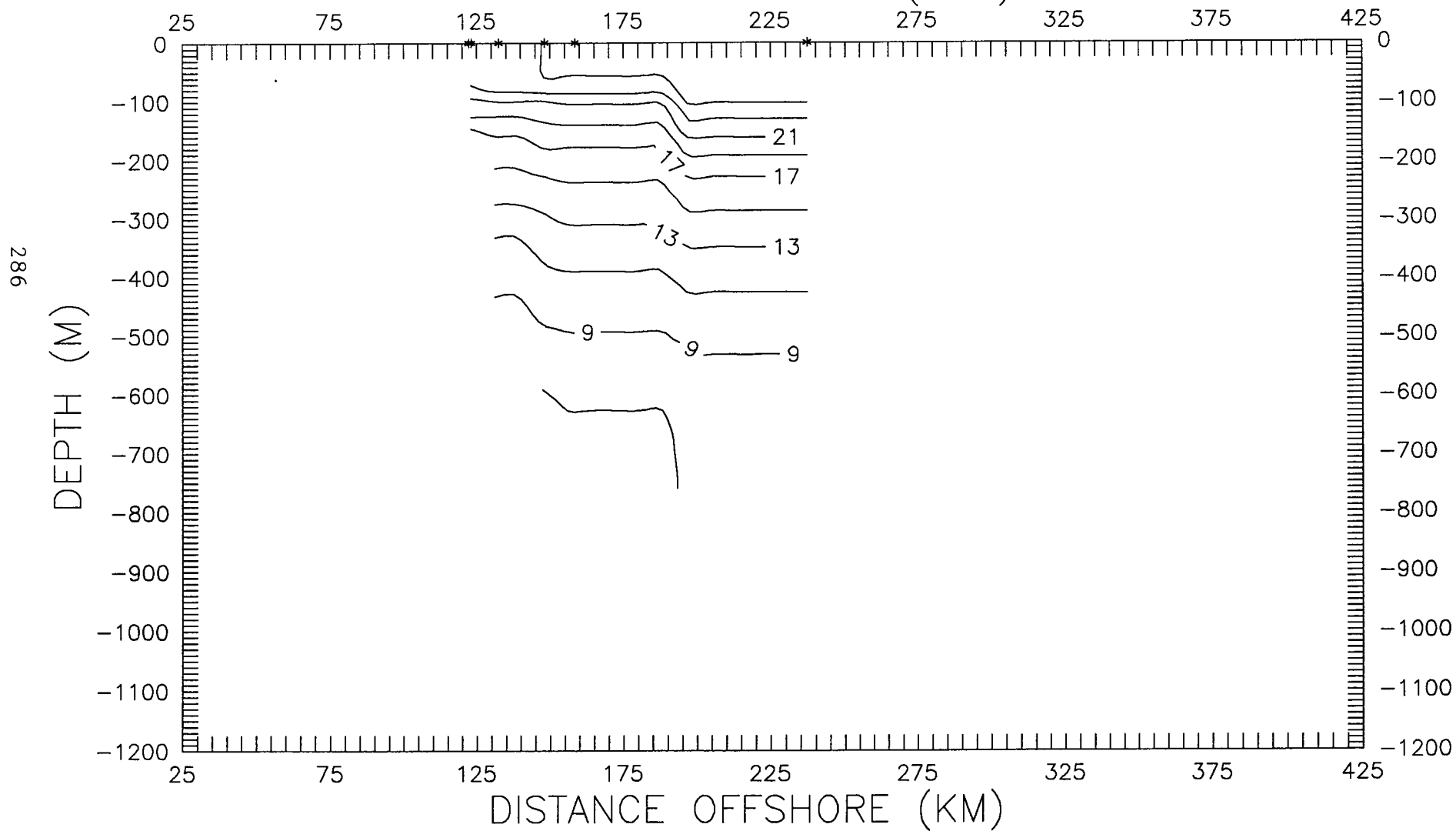
**Station:** 14-142  
**Longitude:** 87° 30.00' W

**Probe Type:** T-10  
**Date:** 10-Nov-1992 **Time:** 0317

Depth (m)	Temp. (°C)
0.00	23.68
10.00	23.68
20.00	23.68
30.00	23.69
40.00	23.69
50.00	23.68
60.00	23.69
70.00	23.36
80.00	22.24
90.00	21.10
100.00	20.27
110.00	19.58
120.00	18.50
130.00	17.20
140.00	16.57
150.00	16.26
160.00	15.53
170.00	14.85
180.00	14.39
190.00	14.09

# GULFCET 03: LINE 02

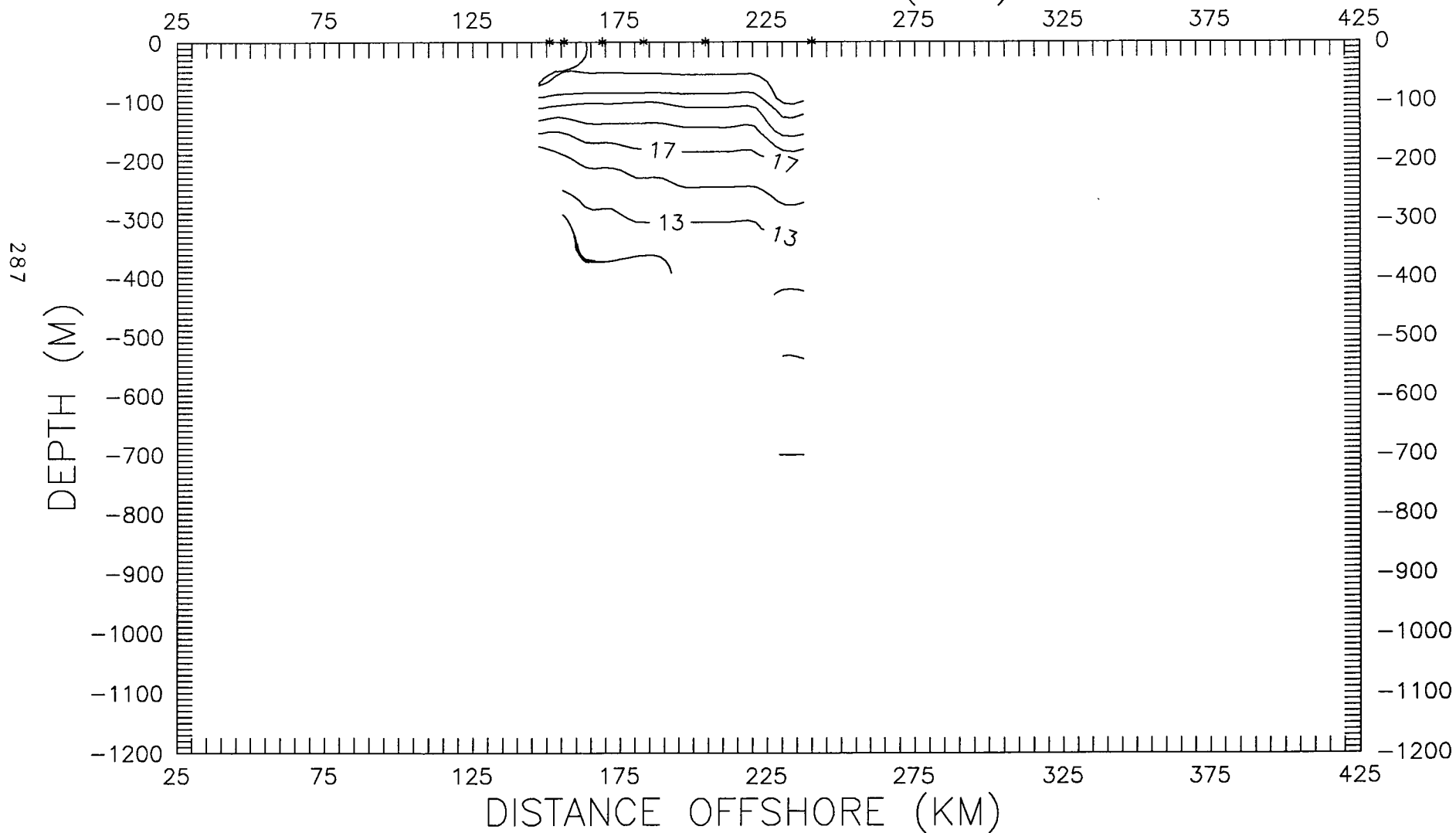
## XBT TEMPERATURE ( °C)





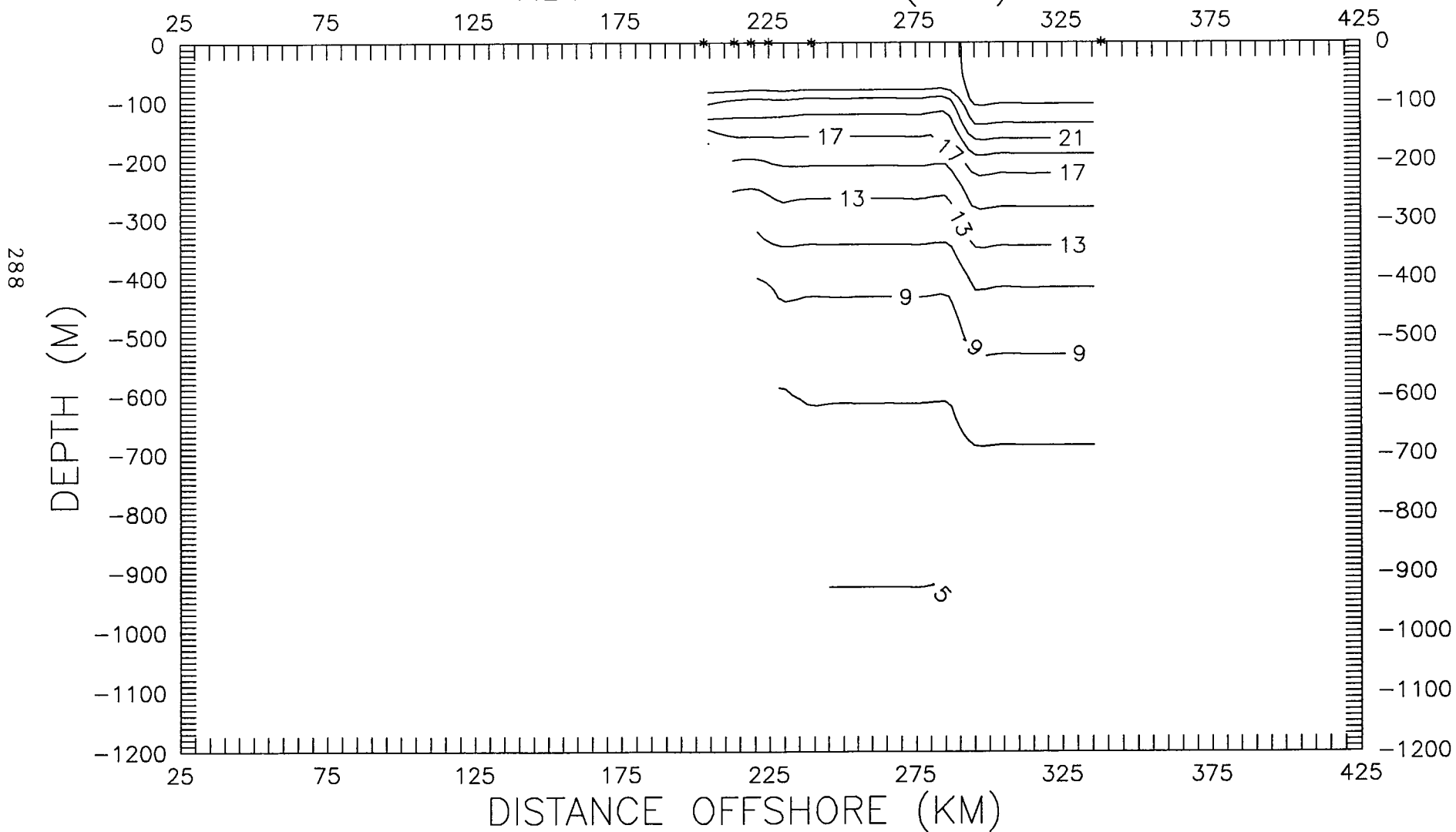
# GULFCET 03: LINE 03

## XBT TEMPERATURE ( °C)



# GULFCET 03: LINE 04

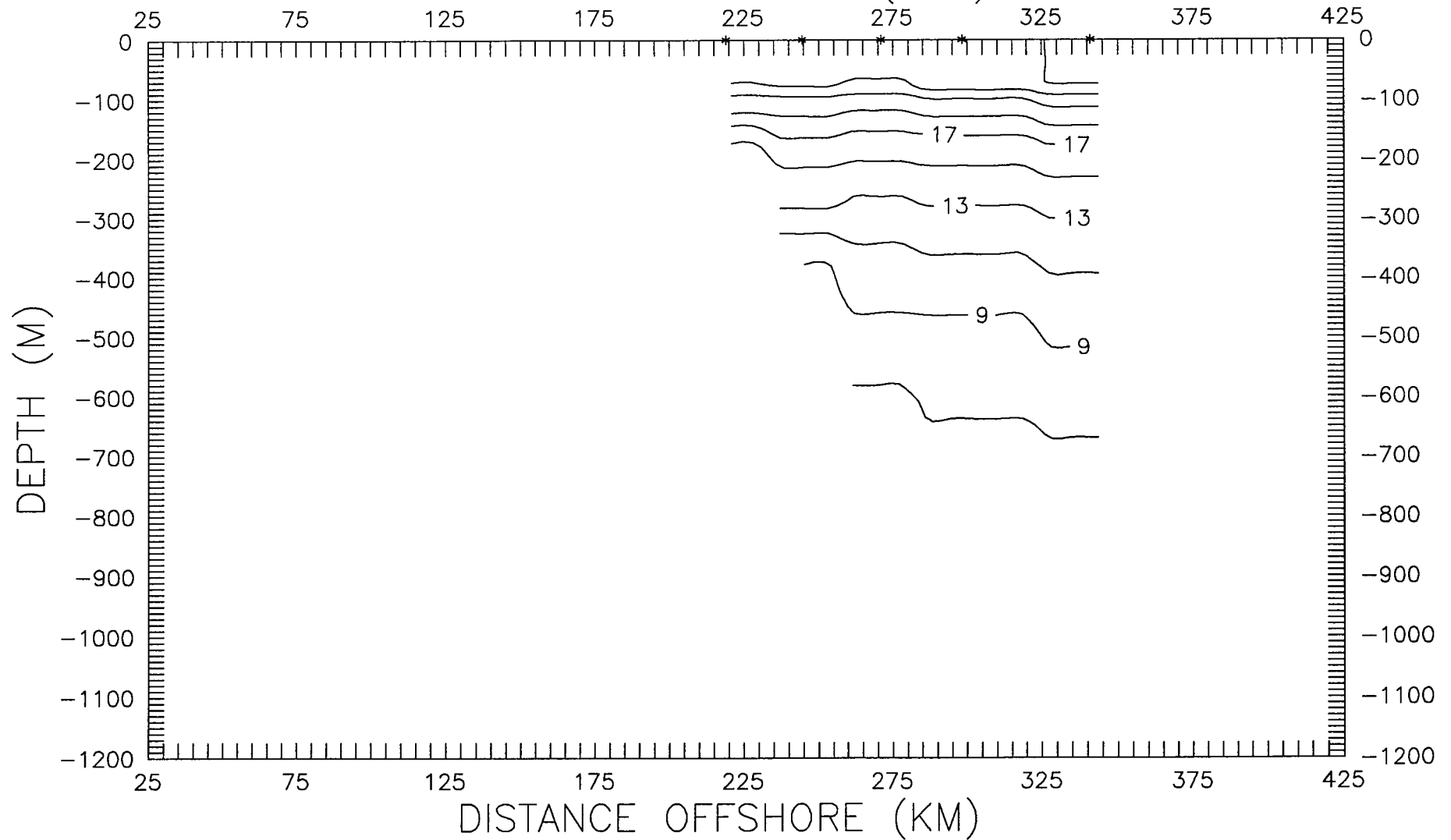
## XBT TEMPERATURE ( °C)



# GULFCET 03: LINE 05

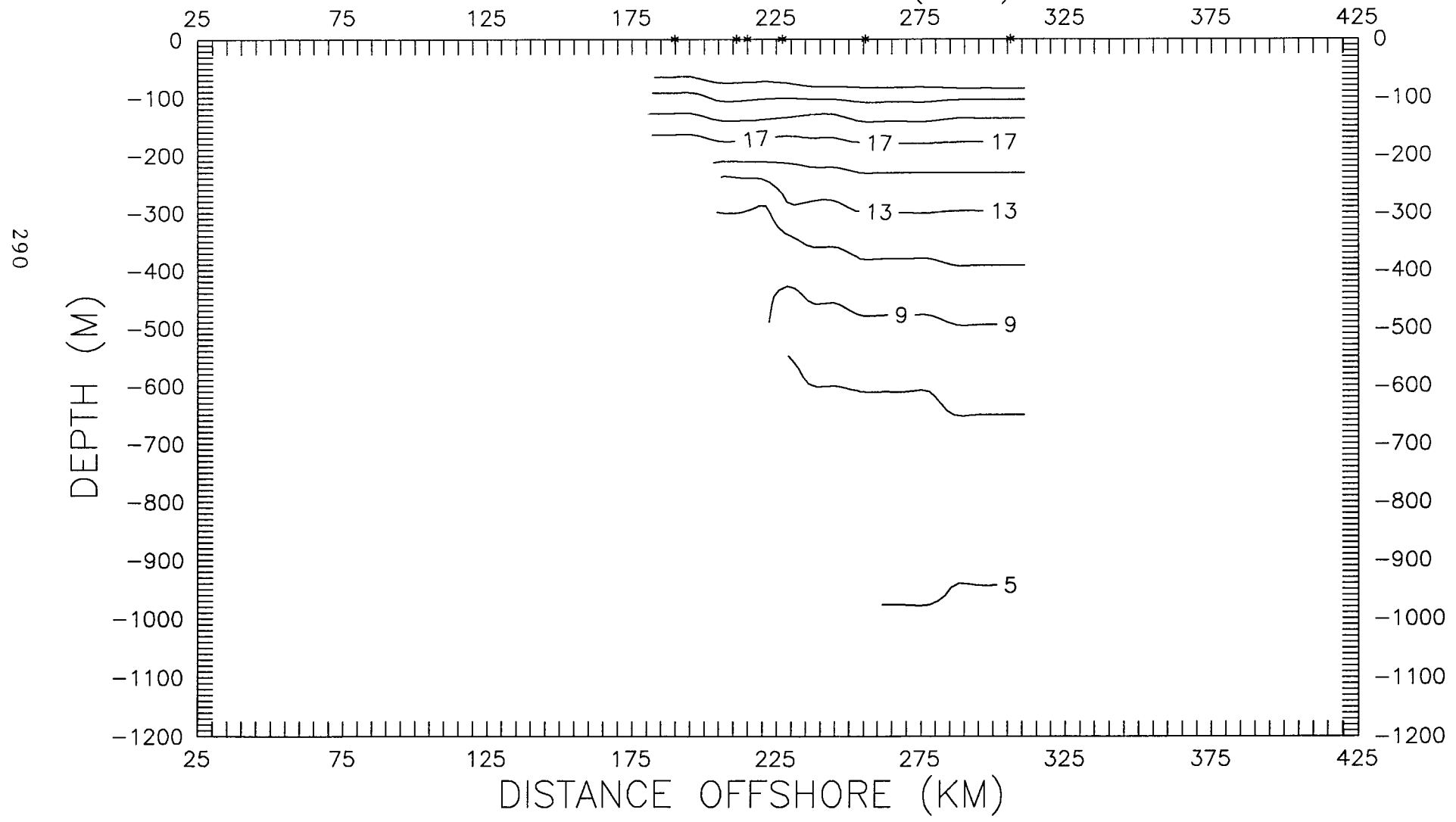
## XBT TEMPERATURE ( °C)

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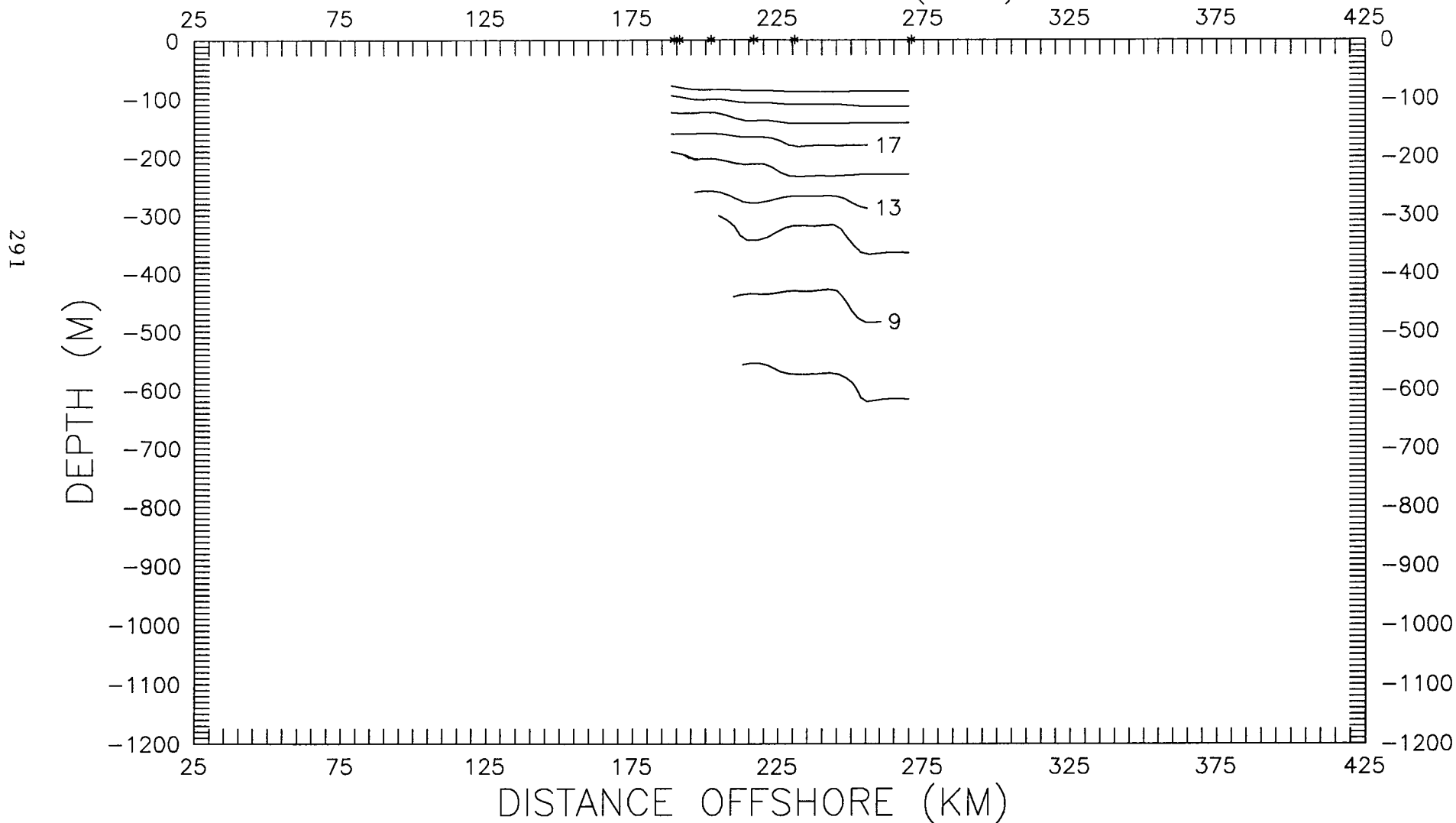
# GULFCET 03: LINE 06

## XBT TEMPERATURE ( °C)



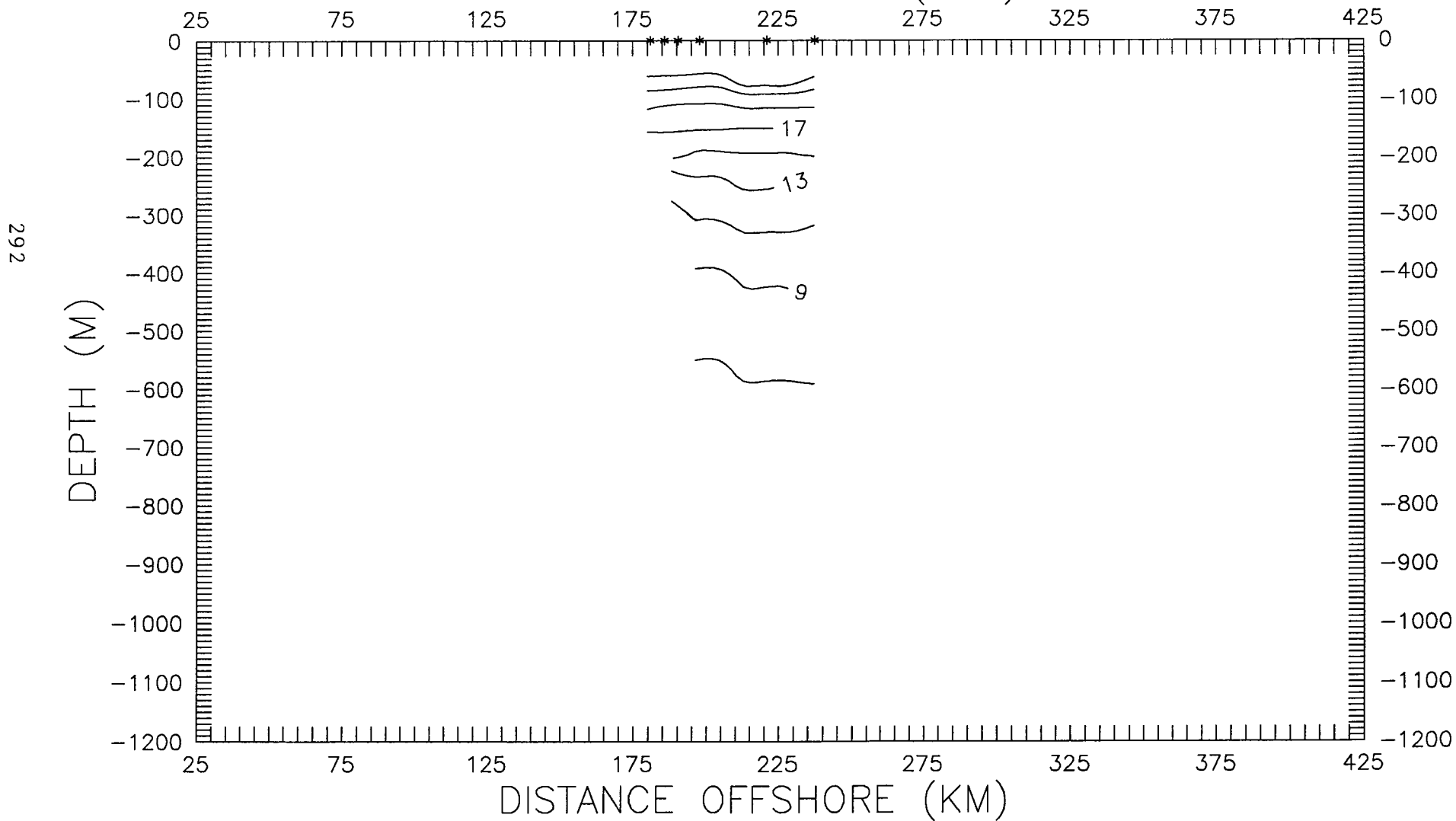
# GULFCET 03: LINE 07

## XBT TEMPERATURE ( °C)



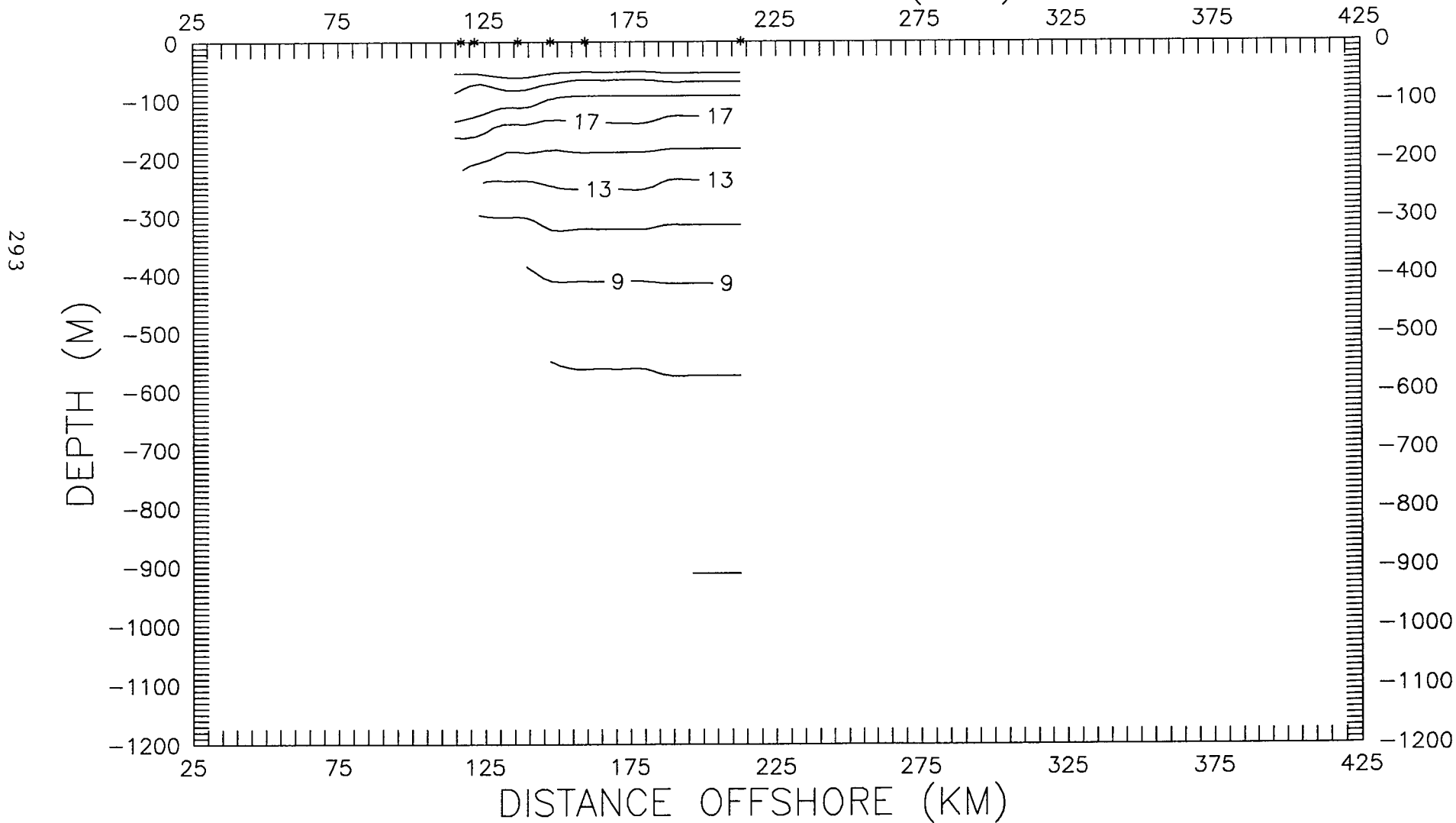
# GULFCET 03: LINE 08

## XBT TEMPERATURE ( °C)



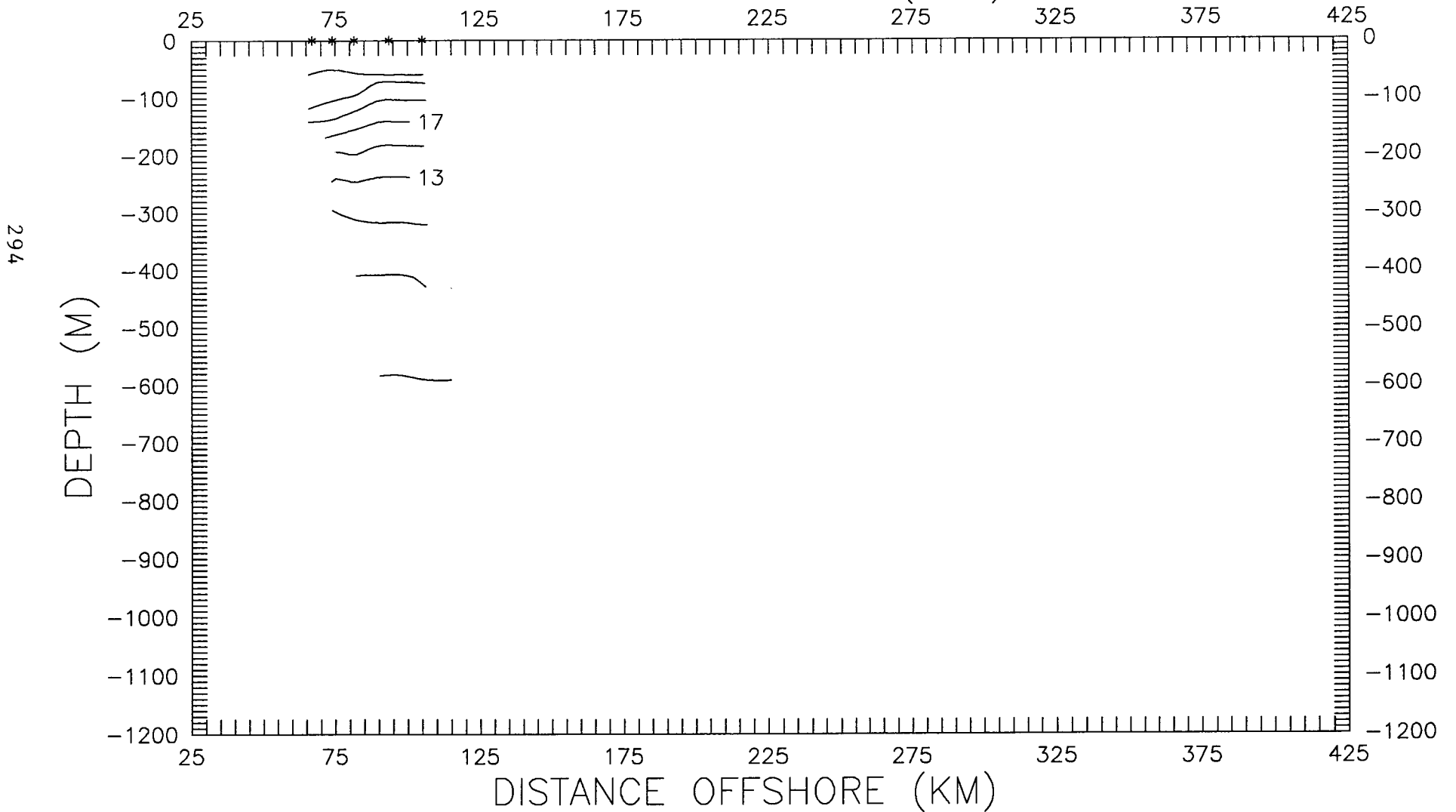
# GULFCET 03: LINE 09

## XBT TEMPERATURE ( °C)



# GULFCET 03: LINE 11

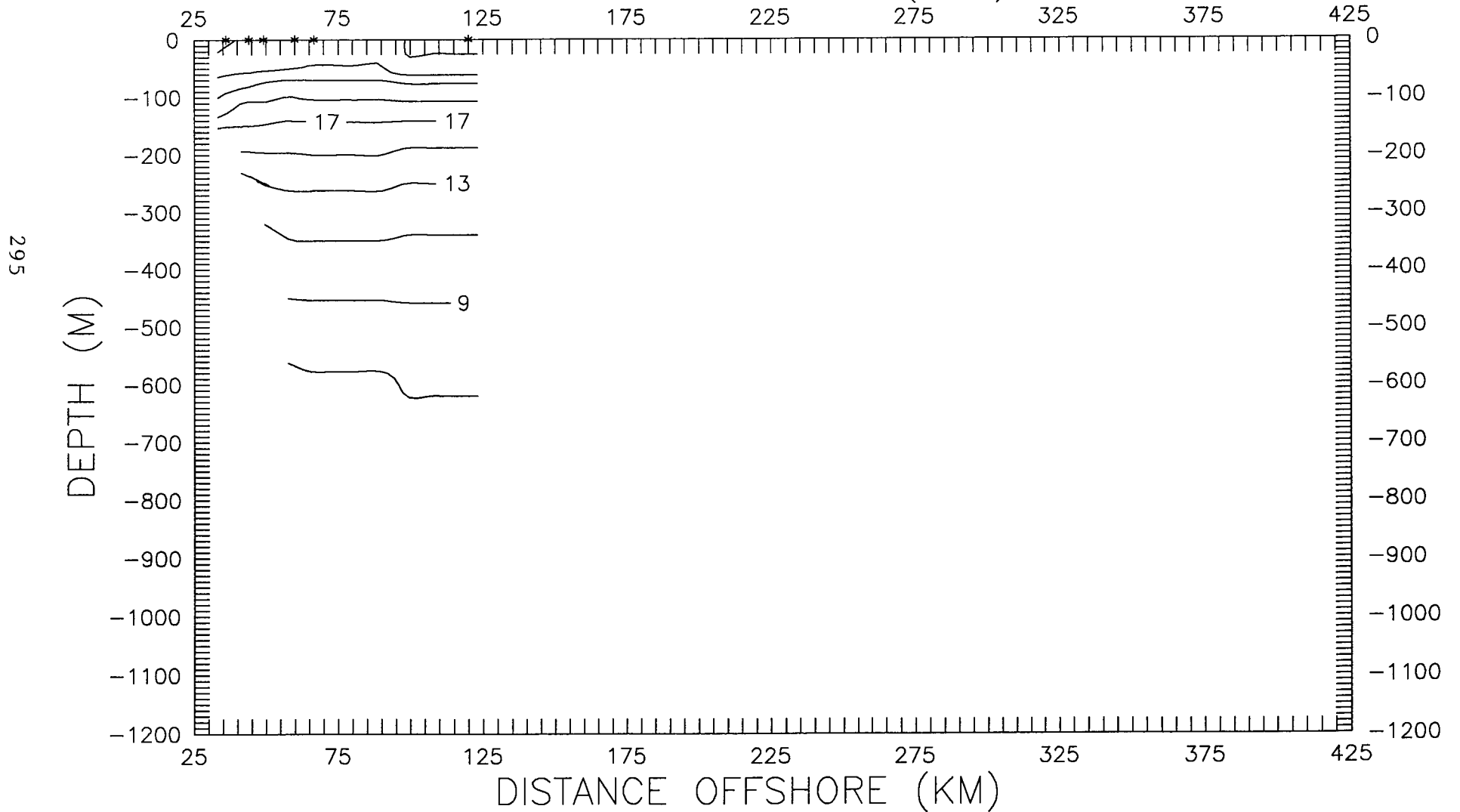
## XBT TEMPERATURE ( °C)





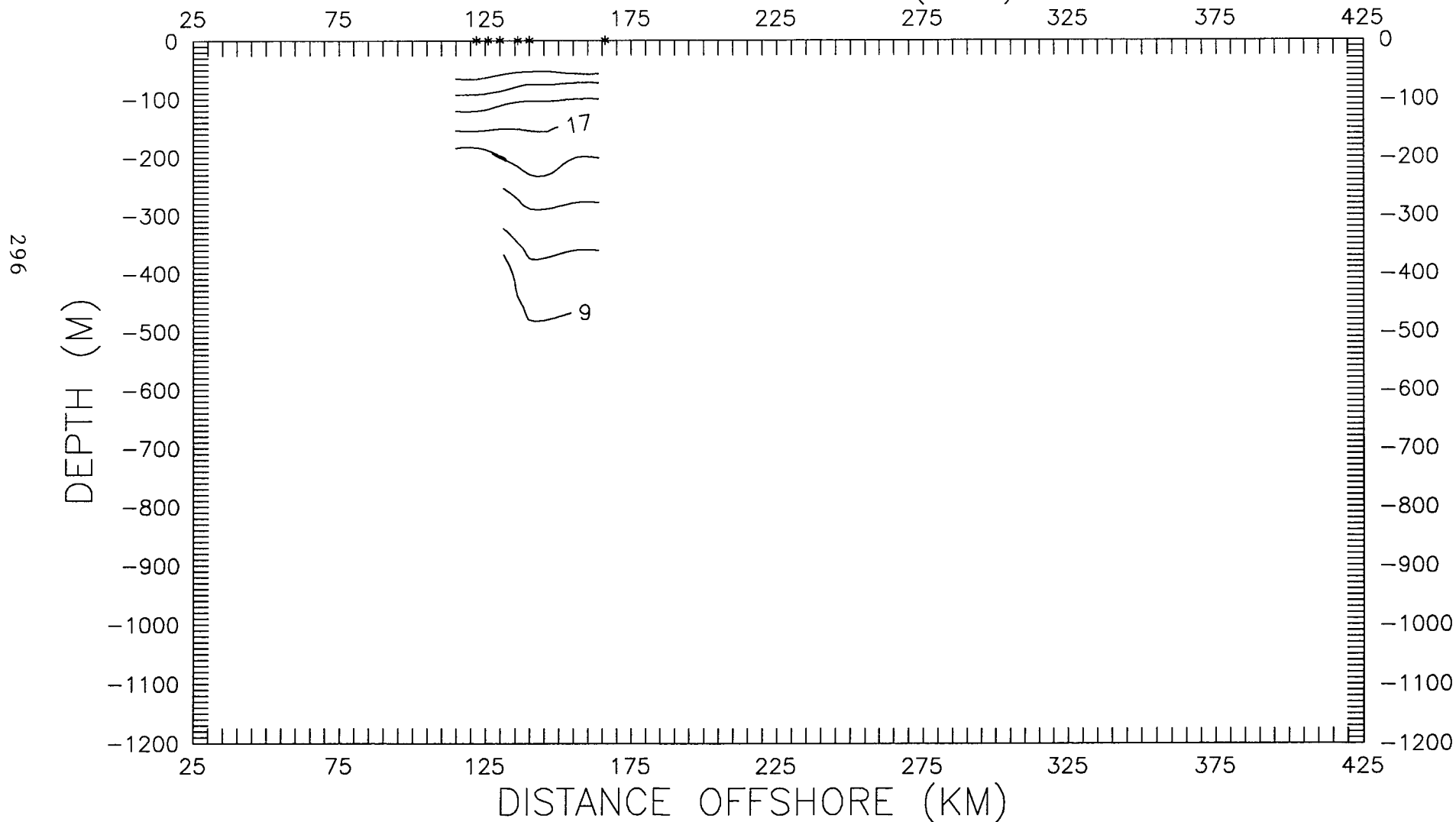
# GULFCET 03: LINE 12

## XBT TEMPERATURE ( °C)



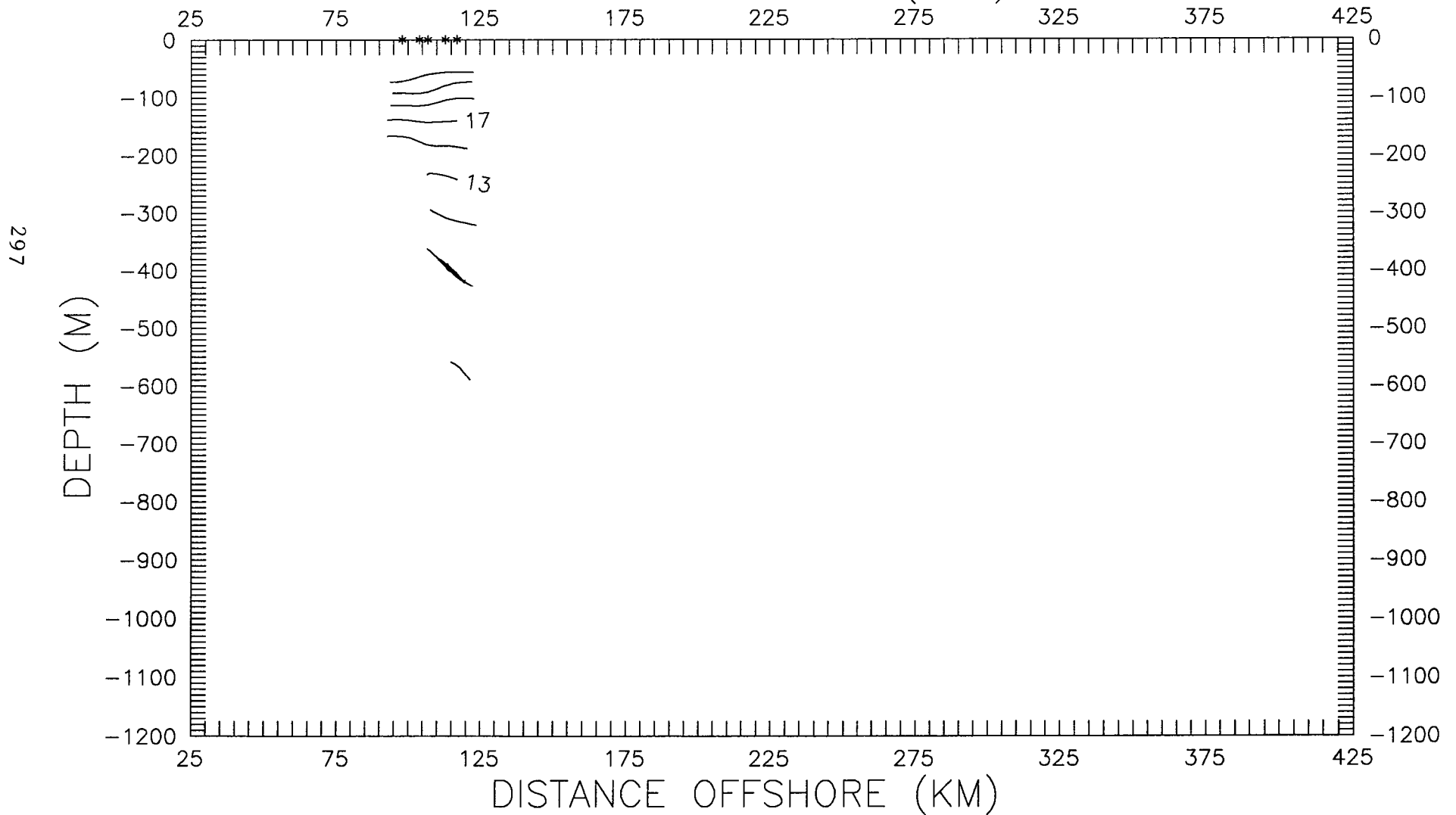
# GULFCET 03: LINE 13

## XBT TEMPERATURE ( °C)



# GULFCET 03: LINE 14

## XBT TEMPERATURE ( °C)



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**CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:**

-DATA SUMMARY TABLES

-PLOTS OF TEMPERATURE, SALINITY, AND SOUND  
VELOCITY VERSUS DEPTH

- PLOTS OF TEMPERATURE VERSUS SALINITY VERSUS DENSITY FOR :  
ALL CTD STATIONS, OFFSHORE STATIONS (STATIONS AT THE 2000 M  
ISOBATH), INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT  
STATIONS 11-106 AND 12-125)), AND EVERY TWO TRACK LINES  
COMBINED

Cruise: GULFCET 03  
 Date: 20-Nov-92  
 Depth: 1600 m  
 Barometer: 29.81

Station: 02-010  
 Time: 1520  
 Wind Dir: 284 °  
 Air Temp Dry: 23.4 °C

Lat: 25 59.98  
 Wind Speed: 5.4 m/s  
 Air Temp Wet: 19.4 °C  
 Long: 95 30.03  
 Wave Dir: 270°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.113	25.111	36.214	24.227	368.86	.033	1536.14	4.941		10.07
20	25.150	25.145	36.265	24.254	366.69	.071	1536.45	4.983		20.14
30	25.186	25.179	36.293	24.264	366.13	.107	1536.74	4.977		30.20
50	25.179	25.168	36.292	24.265	366.79	.181	1537.06	5.052		50.34
75	25.164	25.148	36.292	24.270	367.39	.274	1537.45	5.024		75.52
100	23.733	23.711	36.432	24.807	317.10	.365	1534.53	5.078		100.69
125	22.243	22.218	36.386	25.204	280.18	.440	1531.11	4.813		125.88
150	21.121	21.092	36.634	25.707	233.19	.505	1528.85	3.844		151.06
200	18.150	18.115	36.432	26.333	174.99	.605	1521.19	3.355		201.44
250	16.054	16.014	36.136	26.610	149.71	.687	1515.44	3.334		251.83
300	14.192	14.148	35.842	26.798	132.65	.758	1510.08	3.191		302.23
400	11.541	11.489	35.428	27.009	113.75	.881	1502.41	3.022		403.07
500	9.558	9.500	35.150	27.145	101.54	.988	1496.72	3.030		503.96
600	8.163	8.099	35.004	27.252	91.78	1.086	1493.05	3.091		604.90
700	6.942	6.874	34.908	27.355	82.18	1.174	1489.93	3.414		705.89
800	6.170	6.096	34.891	27.445	73.91	1.253	1488.56	3.754		806.92
900	5.598	5.519	34.897	27.522	66.98	1.324	1487.96	4.056		908.01

Cruise: GULFCET 03  
 Date: 20-Nov-92  
 Depth: 1320 m  
 Barometer: 29.83

Station: 02-013  
 Time: 2330  
 Wind Dir: 156 °  
 Air Temp Dry: 22.2 °C

Lat: 26 46.08  
 Wind Speed: 4.5 m/s  
 Air Temp Wet: °C  
 Long: 95 29.97  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.182	25.180	36.258	24.238	367.72	.030	1536.35	4.988		10.07
20	25.181	25.177	36.259	24.239	368.03	.067	1536.52	4.997		20.14
30	25.180	25.174	36.259	24.240	368.42	.104	1536.69	4.984		30.20
50	25.186	25.175	36.259	24.238	369.40	.178	1537.04	4.973		50.34
75	25.264	25.248	36.294	24.241	370.15	.271	1537.69	4.944		75.52
100	25.265	25.243	36.297	24.243	370.97	.364	1538.11	4.902		100.69
125	23.458	23.431	36.490	24.933	306.14	.449	1534.33	4.788		125.88
150	21.594	21.565	36.438	25.426	259.95	.521	1529.89	4.349		151.06
200	18.637	18.601	36.471	26.240	183.88	.629	1522.64	3.277		201.44
250	16.718	16.676	36.244	26.538	156.78	.713	1517.58	3.616		251.83
300	14.815	14.769	35.941	26.740	138.46	.787	1512.18	3.192		302.23
400	11.929	11.876	35.489	26.983	116.46	.915	1503.82	2.994		403.07
500	9.898	9.839	35.205	27.130	103.24	1.025	1498.02	2.890		503.96
600	8.363	8.299	35.022	27.236	93.53	1.125	1493.82	3.009		604.90
700	7.287	7.217	34.929	27.323	85.68	1.215	1491.29	3.237		705.89
800	6.394	6.319	34.892	27.416	77.01	1.297	1489.44	3.611		806.92
900	5.804	5.723	34.895	27.495	69.89	1.371	1488.78	3.943		908.01

Cruise: GULFCET 03  
 Date: 21-Nov-92  
 Depth: 853 m  
 Barometer: 29.74

Station: 02-015  
 Time: 0706  
 Wind Dir: 138.5°  
 Air Temp Dry: 27.7 °C

Lat: 27 26.11  
 Wind Speed: 12. m/s  
 Air Temp Wet: 21.6 °C

Long: 95 29.98  
 Wave Dir: 145°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.075	25.073	36.091	24.145	376.61	.004	1535.92	5.063		10.07
20	25.061	25.056	36.086	24.146	376.95	.042	1536.05	5.040		20.14
30	25.085	25.079	36.093	24.143	377.59	.080	1536.28	5.002		30.20
50	25.092	25.081	36.094	24.142	378.50	.156	1536.64	5.020		50.34
75	25.120	25.104	36.107	24.143	379.41	.251	1537.14	5.003		75.52
100	21.013	20.993	36.346	25.517	249.30	.327	1527.40	4.338		100.69
125	19.654	19.631	36.441	25.954	208.55	.384	1524.21	3.486		125.88
150	18.503	18.477	36.440	26.250	181.18	.433	1521.38	3.235		151.06
200	16.573	16.540	36.231	26.562	152.80	.516	1516.29	3.854		201.44
250	14.496	14.458	35.894	26.772	133.73	.588	1510.28	3.118		251.83
300	13.066	13.024	35.669	26.899	122.54	.653	1506.19	3.087		302.23
400	10.860	10.810	35.334	27.062	108.27	.769	1499.93	3.002		403.07
500	9.030	8.975	35.093	27.187	97.05	.873	1494.72	2.973		503.96
600	7.367	7.307	34.937	27.318	84.65	.965	1489.94	3.206		604.90
700	6.313	6.248	34.895	27.429	74.22	1.045	1487.45	3.706		705.89
800	5.710	5.639	34.896	27.507	67.29	1.117	1486.73	4.011		806.92

Cruise: GULFCET 03  
 Date: 21-Nov-92  
 Depth: 94 m  
 Barometer: 29.74

Station: 02-020  
 Time: 1124  
 Wind Dir: 152 °  
 Air Temp Dry: 25.8 °C

Lat: 27 47.14  
 Wind Speed: 8.8 m/s  
 Air Temp Wet: 23 °C

Long: 95 30.04  
 Wave Dir: 142°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.113	24.111	35.727	24.160	375.20	.019	1533.19	5.375	.148	10.07
20	24.122	24.118	35.748	24.173	374.34	.057	1533.40	5.286	.183	20.14
30	24.370	24.364	35.899	24.213	370.90	.094	1534.34	5.272	.210	30.20
50	24.210	24.199	36.087	24.404	353.57	.167	1534.49	5.182	.298	50.34
75	23.955	23.939	36.061	24.460	349.17	.255	1534.25	5.175	.197	75.52

Cruise: GULFCET 03  
 Date: 19-Nov-92  
 Depth: 99 m  
 Barometer: 29.84

Station: 03-021  
 Time: 1445  
 Wind Dir: 151.6°  
 Air Temp Dry: 25.2 °C

Lat: 27 56.13  
 Wind Speed: 8.8 m/s  
 Air Temp Wet: 21.9 °C

Long: 94 50.04  
 Wave Dir: 120°  
 Secchi Depth: 19.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.486	24.484	35.865	24.153	375.87	.030	1534.25	5.206	.138	10.07
20	24.466	24.461	35.864	24.159	375.73	.068	1534.37	5.142	.161	20.14
30	24.414	24.408	35.892	24.195	372.67	.106	1534.44	5.119	.219	30.20
50	24.145	24.134	36.068	24.409	353.04	.178	1534.31	5.194	.397	50.34
75	24.201	24.185	36.106	24.421	352.91	.267	1534.91	5.152	.238	75.52

Cruise: GULFCET 03  
 Date: 19-Nov-92  
 Depth: 883 m  
 Barometer: 29.84

Station: 03-026  
 Time: 2033  
 Wind Dir: 137.5°  
 Air Temp Dry: 24.8 °C

Lat: 27 26.06  
 Wind Speed: 11. m/s  
 Air Temp Wet: °C

Long: 94 49.96  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.384	25.382	36.194	24.128	378.25	.015	1536.77	4.954		10.07
20	25.387	25.383	36.193	24.126	378.82	.053	1536.94	5.019		20.14
30	25.390	25.384	36.193	24.125	379.34	.092	1537.12	5.085		30.20
50	25.392	25.381	36.192	24.124	380.25	.168	1537.46	4.985		50.34
75	23.423	23.407	36.284	24.786	318.11	.262	1533.17	5.011		75.52
100	22.114	22.094	36.364	25.224	277.30	.336	1530.33	4.971		100.69
125	20.336	20.313	36.387	25.731	229.81	.399	1526.03	4.057		125.88
150	18.801	18.774	36.455	26.186	187.30	.452	1522.25	3.355		151.06
200	16.776	16.743	36.265	26.540	154.96	.536	1516.94	3.669		201.44
250	14.928	14.889	35.971	26.737	137.23	.610	1511.74	3.183		251.83
300	13.287	13.244	35.708	26.884	124.06	.676	1506.97	3.103		302.23
400	10.869	10.819	35.336	27.062	108.27	.793	1499.96	3.055		403.07
500	9.015	8.959	35.094	27.190	96.77	.896	1494.66	2.986		503.96
600	7.811	7.749	34.975	27.283	88.45	.990	1491.68	3.078		604.90
700	6.786	6.719	34.904	27.373	80.22	1.075	1489.32	3.395		705.89
800	5.997	5.924	34.891	27.467	71.54	1.152	1487.87	3.772		806.92

Cruise: GULFCET 03  
 Date: 20-Nov-92  
 Depth: 1420 m  
 Barometer: 29.86

Station: 03-029  
 Time: 0358  
 Wind Dir: 181.2°  
 Air Temp Dry: 20 °C

Lat: 26 46.05  
 Wind Speed: 5.7 m/s  
 Air Temp Wet: 19 °C

Long: 94 49.82  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.326	25.324	36.307	24.231	368.43	.015	1536.75	4.913		10.07
20	25.330	25.326	36.310	24.232	368.71	.052	1536.93	4.913		20.14
30	25.333	25.326	36.311	24.232	369.18	.089	1537.11	4.892		30.20
50	25.338	25.327	36.311	24.230	370.12	.164	1537.46	4.847		50.34
75	25.342	25.326	36.311	24.229	371.24	.257	1537.89	4.848		75.52
100	25.347	25.325	36.312	24.228	372.38	.351	1538.33	4.830		100.69
125	25.306	25.278	36.322	24.249	371.37	.444	1538.66	4.808		125.88
150	23.355	23.323	36.663	25.093	291.82	.526	1534.68	4.199		151.06
200	20.269	20.231	36.699	25.987	208.28	.651	1527.46	3.707		201.44
250	18.055	18.011	36.452	26.372	172.93	.745	1521.77	3.809		251.83
300	16.123	16.074	36.133	26.592	152.99	.827	1516.48	3.205		302.23
400	12.821	12.765	35.624	26.913	123.72	.964	1506.99	3.084		403.07
500	10.441	10.380	35.271	27.087	107.79	1.079	1500.04	2.991		503.96
600	8.977	8.909	35.089	27.192	98.42	1.182	1496.18	3.008		604.90
700	7.403	7.333	34.927	27.305	87.55	1.276	1491.73	3.282		705.89
800	6.575	6.499	34.896	27.395	79.28	1.360	1490.16	3.564		806.92
900	5.901	5.819	34.893	27.481	71.43	1.436	1489.16	3.895		908.01

Cruise: GULFCET 03  
 Date: 20-Nov-92  
 Depth: 2000 m  
 Barometer: 29.86

Station: 03-030  
 Time: 0936  
 Wind Dir: 244.3°  
 Air Temp Dry: 24.5 °C

Lat: 26 17.00  
 Wind Speed: 9.3 m/s  
 Air Temp Wet: 20.6 °C

Long: 94 50.00  
 Wave Dir: 247°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.230	25.228	36.207	24.185	372.81	.030	1536.41	4.969		10.07
20	25.316	25.311	36.257	24.197	372.08	.068	1536.84	4.924		20.14
30	25.382	25.375	36.306	24.213	370.95	.105	1537.22	4.888		30.20
50	25.384	25.372	36.306	24.213	371.81	.180	1537.56	4.832		50.34
75	25.389	25.372	36.306	24.211	372.94	.274	1538.00	4.887		75.52
100	25.395	25.373	36.308	24.211	374.04	.368	1538.44	4.880		100.69
125	25.400	25.372	36.310	24.210	375.08	.462	1538.87	4.850		125.88
150	24.299	24.267	36.628	24.787	321.13	.549	1536.98	4.150		151.06
200	21.207	21.167	36.811	25.818	224.60	.683	1530.12	3.761		201.44
250	18.821	18.776	36.571	26.269	182.94	.784	1524.11	3.865		251.83
300	17.343	17.292	36.354	26.472	164.90	.871	1520.41	3.927		302.23
400	13.557	13.499	35.739	26.853	129.93	1.019	1509.56	3.141		403.07
500	11.028	10.965	35.361	27.052	111.61	1.141	1502.22	2.999		503.96
600	9.236	9.167	35.120	27.174	100.44	1.248	1497.17	2.961		604.90
700	7.276	7.206	34.928	27.324	85.57	1.342	1491.25	3.324		705.89
800	6.440	6.365	34.892	27.410	77.63	1.424	1489.62	3.651		806.92
900	5.890	5.809	34.892	27.481	71.36	1.499	1489.12	3.910		908.01

Cruise: GULFCET 03  
 Date: 18-Nov-92  
 Depth: 2000 m  
 Barometer: 29.97

Station: 04-031  
 Time: 1455  
 Wind Dir: 99.4 °  
 Air Temp Dry: 24.9 °C

Lat: 26 17.05  
 Wind Speed: 7.6 m/s  
 Air Temp Wet: 21.2 °C

Long: 94 10.01  
 Wave Dir: 100°  
 Secchi Depth: 30.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.460	25.458	36.310	24.192	372.11	.026	1537.07	4.930		10.07
20	25.423	25.418	36.308	24.202	371.57	.064	1537.15	5.006		20.14
30	25.415	25.409	36.308	24.205	371.76	.101	1537.30	4.983		30.20
50	25.413	25.402	36.308	24.205	372.52	.176	1537.63	4.880		50.34
75	25.415	25.398	36.309	24.205	373.56	.270	1538.06	4.965		75.52
100	25.419	25.397	36.310	24.204	374.64	.364	1538.49	4.933		100.69
125	25.396	25.369	36.307	24.210	375.13	.459	1538.86	4.824		125.88
150	23.320	23.288	36.577	25.038	297.06	.539	1534.50	4.426		151.06
200	20.650	20.612	36.689	25.877	218.81	.667	1528.49	3.742		201.44
250	17.188	17.146	36.310	26.476	162.82	.761	1519.06	3.450		251.83
300	15.089	15.042	35.978	26.708	141.60	.837	1513.09	3.414		302.23
400	12.325	12.271	35.564	26.965	118.49	.967	1505.25	3.036		403.07
500	10.122	10.062	35.231	27.112	105.13	1.080	1498.85	2.965		503.96
600	8.553	8.487	35.037	27.218	95.46	1.181	1494.55	3.043		604.90
700	7.480	7.409	34.943	27.306	87.53	1.273	1492.05	3.195		705.89
800	6.428	6.353	34.893	27.412	77.42	1.356	1489.57	3.584		806.92
900	5.818	5.737	34.892	27.491	70.32	1.431	1488.83	3.912		908.01



Cruise: GULFCET 03  
 Date: 18-Nov-92  
 Depth: 1350 m  
 Barometer: 30.02

Station: 04-033  
 Time: 2110  
 Wind Dir: 101.9°  
 Air Temp Dry: 24.2 °C

Lat: 26 46.33  
 Wind Speed: 7.1 m/s  
 Air Temp Wet: 21.3 °C

Long: 94 09.94  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.308	25.306	36.331	24.254	366.19	.026	1536.73	4.913		10.07
20	25.322	25.317	36.329	24.249	367.08	.063	1536.93	5.021		20.14
30	25.324	25.317	36.330	24.249	367.53	.100	1537.11	4.915		30.20
50	25.335	25.324	36.329	24.245	368.72	.174	1537.47	4.856		50.34
75	25.333	25.316	36.328	24.245	369.71	.267	1537.89	4.921		75.52
100	24.946	24.924	36.354	24.383	357.58	.360	1537.41	5.026		100.69
125	22.787	22.762	36.424	25.077	292.28	.437	1532.56	5.093		125.88
150	20.858	20.829	36.375	25.582	245.02	.506	1527.86	4.324		151.06
200	17.907	17.872	36.411	26.378	170.68	.607	1520.46	3.557		201.44
250	15.774	15.734	36.092	26.641	146.69	.687	1514.52	3.281		251.83
300	14.025	13.981	35.821	26.817	130.76	.758	1509.51	3.130		302.23
400	11.424	11.372	35.419	27.025	112.19	.879	1502.00	3.067		403.07
500	9.439	9.382	35.144	27.160	100.00	.987	1496.28	2.960		503.96
600	8.263	8.199	35.008	27.241	92.98	1.084	1493.43	3.075		604.90
700	7.013	6.945	34.914	27.350	82.75	1.172	1490.22	3.340		705.89
800	6.251	6.177	34.890	27.433	75.17	1.252	1488.87	3.629		806.92
900	5.628	5.548	34.896	27.518	67.43	1.324	1488.08	3.984		908.01

Cruise: GULFCET 03  
 Date: 19-Nov-92  
 Depth: 816 m  
 Barometer: 29.95

Station: 04-036  
 Time: 0426  
 Wind Dir: 134.5°  
 Air Temp Dry: 23.6 °C

Lat: 27 26.00  
 Wind Speed: 7.2 m/s  
 Air Temp Wet: 20.8 °C

Long: 94 09.95  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.490	24.488	35.873	24.157	375.44	.030	1534.27	5.123		10.07
20	24.491	24.487	35.873	24.157	375.89	.068	1534.44	5.098		20.14
30	24.491	24.485	35.873	24.157	376.28	.106	1534.61	5.099		30.20
50	24.559	24.549	36.045	24.267	366.58	.181	1535.30	5.080		50.34
75	24.026	24.010	36.261	24.590	336.78	.271	1534.65	5.004		75.52
100	20.772	20.753	36.341	25.579	243.40	.341	1526.75	4.224		100.69
125	19.039	19.016	36.450	26.122	192.59	.395	1522.50	3.340		125.88
150	17.986	17.960	36.383	26.336	172.92	.440	1519.82	3.245		151.06
200	15.370	15.339	36.027	26.682	141.06	.517	1512.36	3.234		201.44
250	13.782	13.746	35.774	26.832	127.77	.585	1507.83	3.107		251.83
300	12.370	12.330	35.560	26.952	117.10	.647	1503.73	3.020		302.23
400	9.954	9.907	35.209	27.124	101.74	.756	1496.56	3.000		403.07
500	8.464	8.410	35.037	27.233	92.16	.853	1492.55	3.050		503.96
600	7.315	7.255	34.932	27.321	84.23	.942	1489.73	3.256		604.90
700	6.474	6.408	34.898	27.410	76.26	1.023	1488.09	3.576		705.89

Cruise: GULFCET 03  
 Date: 19-Nov-92  
 Depth: 106 m  
 Barometer: 29.99

Station: 04-042  
 Time: 1003  
 Wind Dir: 150 °  
 Air Temp Dry: 25.2 °C

Lat: 27 54.01  
 Wind Speed: 7.8 m/s  
 Air Temp Wet: 21.5 °C

Long: 94 09.94  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.175	24.173	36.057	24.391	353.14	.025	1533.70	5.478	.126	10.07
20	24.180	24.176	36.057	24.390	353.67	.061	1533.88	5.507	.150	20.14
30	24.172	24.165	36.057	24.393	353.82	.096	1534.03	5.411	.178	30.20
50	24.172	24.161	36.058	24.393	354.54	.167	1534.36	5.326	.209	50.34
75	24.054	24.038	36.103	24.462	348.94	.257	1534.54	4.985	.240	75.52

Cruise: GULFCET 03  
 Date: 17-Nov-92  
 Depth: 91 m  
 Barometer: 30.06

Station: 05-043  
 Time: 1455  
 Wind Dir: 143 °  
 Air Temp Dry: 22.4 °C

Lat: 28 00.02  
 Wind Speed: 6.2 m/s  
 Air Temp Wet: °C

Long: 93 29.98  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.295	24.292	36.030	24.335	358.51	.029	1533.96	5.235	.138	10.07
20	24.372	24.368	36.151	24.403	352.41	.065	1534.45	5.136	.165	20.14
30	24.369	24.363	36.159	24.410	352.14	.100	1534.62	5.202	.180	30.20
50	24.371	24.360	36.169	24.418	352.23	.171	1534.97	5.194	.284	50.34
75	24.364	24.348	36.173	24.423	352.74	.260	1535.38	5.225	.246	75.52

Cruise: GULFCET 03  
 Date: 17-Nov-92  
 Depth: 575 m  
 Barometer: 30.09

Station: 05-047  
 Time: 2040  
 Wind Dir: 101.2°  
 Air Temp Dry: 23.0 °C

Lat: 27 26.00  
 Wind Speed: 6.6 m/s  
 Air Temp Wet: °C

Long: 93 29.95  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.463	24.461	35.931	24.209	370.47	.026	1534.27	5.054		10.07
20	24.472	24.468	35.931	24.207	371.09	.063	1534.46	5.098		20.14
30	24.474	24.467	35.931	24.206	371.57	.101	1534.63	5.073		30.20
50	24.480	24.470	35.938	24.210	372.03	.176	1534.99	5.015		50.34
75	22.761	22.746	36.389	25.058	292.14	.260	1531.61	5.022		75.52
100	20.503	20.484	36.345	25.654	236.21	.328	1526.02	4.169		100.69
125	19.152	19.129	36.463	26.102	194.48	.382	1522.83	3.261		125.88
150	17.855	17.829	36.394	26.377	169.02	.427	1519.45	3.414		151.06
200	15.437	15.406	36.036	26.674	141.90	.505	1512.58	3.137		201.44
250	13.688	13.652	35.771	26.850	126.12	.572	1507.53	3.122		251.83
300	12.491	12.450	35.578	26.943	118.04	.633	1504.16	3.010		302.23
400	10.461	10.412	35.278	27.089	105.36	.745	1498.45	2.910		403.07
500	8.409	8.355	35.035	27.239	91.49	.845	1492.34	2.997		503.96

Cruise: GULFCET 03  
 Date: 18-Nov-92  
 Depth: 1470 m  
 Barometer: 30.03

Station: 05-050  
 Time: 0321  
 Wind Dir: 94.6 °  
 Air Temp Dry: 23.6 °C

Lat: 26 46.00  
 Wind Speed: 4.8 m/s  
 Air Temp Wet: 20.4 °C

Long: 93 30.00  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	25.033	25.031	36.184	24.228	368.73	.026	1535.92	5.105		10.07
20	25.037	25.033	36.185	24.227	369.19	.063	1536.10	5.153		20.14
30	25.034	25.027	36.183	24.227	369.62	.100	1536.26	5.002		30.20
50	25.037	25.026	36.183	24.226	370.51	.175	1536.60	5.068		50.34
75	25.044	25.027	36.187	24.227	371.42	.268	1537.04	4.981		75.52
100	22.169	22.149	36.296	25.157	283.67	.354	1530.40	4.834		100.69
125	19.973	19.949	36.411	25.847	218.79	.416	1525.06	3.663		125.88
150	18.900	18.873	36.437	26.147	191.02	.466	1522.51	3.193		151.06
200	16.163	16.130	36.149	26.595	149.58	.549	1514.95	3.209		201.44
250	14.440	14.403	35.876	26.771	133.88	.620	1510.08	3.104		251.83
300	13.199	13.156	35.677	26.878	124.60	.685	1506.64	3.100		302.23
400	11.059	11.009	35.361	27.046	109.90	.802	1500.66	3.008		403.07
500	9.358	9.301	35.128	27.160	99.85	.907	1495.96	2.991		503.96
600	7.926	7.863	34.981	27.271	89.78	1.003	1492.13	3.123		604.90
700	6.824	6.757	34.903	27.367	80.85	1.088	1489.47	3.453		705.89
800	6.063	5.990	34.890	27.458	72.50	1.166	1488.13	3.767		806.92
900	5.547	5.467	34.898	27.529	66.19	1.235	1487.75	4.103		908.01
1000	5.094	5.009	34.915	27.597	60.14	1.299	1487.62	4.378		1009.14

Cruise: GULFCET 03  
 Date: 18-Nov-92  
 Depth: 2000 m  
 Barometer: 30.06

Station: 05-053  
 Time: 0940  
 Wind Dir: 69.6 °  
 Air Temp Dry: 25 °C

Lat: 26 10.00  
 Wind Speed: 5.7 m/s  
 Air Temp Wet: 21.3 °C

Long: 93 30.00  
 Wave Dir: 68.°  
 Secchi Depth: 23.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.941	24.939	36.241	24.299	361.95	.026	1535.76	5.046		10.07
20	24.941	24.937	36.241	24.299	362.35	.062	1535.93	5.063		20.14
30	24.941	24.935	36.240	24.298	362.82	.099	1536.09	5.074		30.20
50	24.943	24.932	36.239	24.297	363.72	.172	1536.44	5.034		50.34
75	24.939	24.923	36.237	24.297	364.77	.263	1536.85	5.012		75.52
100	22.790	22.769	36.336	25.009	297.77	.349	1532.05	5.026		100.69
125	20.789	20.764	36.318	25.557	246.44	.418	1527.19	4.353		125.88
150	19.462	19.435	36.483	26.037	201.60	.475	1524.15	3.313		151.06
200	17.227	17.193	36.325	26.478	160.98	.565	1518.36	3.707		201.44
250	15.297	15.258	36.019	26.692	141.63	.641	1512.96	3.196		251.83
300	13.645	13.601	35.756	26.847	127.71	.709	1508.20	3.183		302.23
400	11.226	11.175	35.379	27.030	111.55	.829	1501.26	3.050		403.07
500	9.164	9.108	35.098	27.169	98.83	.935	1495.22	3.070		503.96
600	7.761	7.699	34.961	27.279	88.78	1.030	1491.47	3.142		604.90
700	6.813	6.746	34.906	27.371	80.50	1.115	1489.43	3.385		705.89
800	6.045	5.972	34.891	27.462	72.16	1.193	1488.06	3.758		806.92
900	5.530	5.451	34.899	27.532	65.93	1.263	1487.68	4.057		908.01

Cruise: GULFCET 03  
 Date: 16-Nov-92  
 Depth: 2000 m  
 Barometer: 30.18

Station: 06-054  
 Time: 1550  
 Wind Dir: 111.5°  
 Air Temp Dry: 22.5 °C

Lat: 26 14.01  
 Wind Speed: 5.6 m/s  
 Air Temp Wet: 18.5 °C

Long: 92 50.17  
 Wave Dir: 75.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.812	23.809	35.796	24.302	361.64	.029	1532.51	5.213		10.07
20	23.824	23.819	35.797	24.299	362.33	.066	1532.71	5.086		20.14
30	23.909	23.902	35.830	24.299	362.71	.102	1533.13	5.124		30.20
50	23.981	23.971	35.863	24.302	363.23	.175	1533.68	5.083		50.34
75	23.025	23.009	36.372	24.969	300.68	.263	1532.26	5.178		75.52
100	21.074	21.054	36.346	25.500	250.91	.333	1527.57	4.506		100.69
125	19.381	19.358	36.435	26.021	202.16	.389	1523.45	3.406		125.88
150	18.085	18.059	36.393	26.320	174.51	.435	1520.12	3.383		151.06
200	16.713	16.680	36.230	26.529	156.03	.518	1516.71	3.385		201.44
250	15.667	15.627	36.079	26.655	145.28	.594	1514.18	3.437		251.83
300	14.293	14.248	35.856	26.787	133.72	.664	1510.42	3.275		302.23
400	11.689	11.636	35.456	27.003	114.40	.789	1502.95	2.993		403.07
500	9.245	9.188	35.103	27.160	99.79	.897	1495.52	3.033		503.96
600	7.664	7.603	34.941	27.277	88.81	.992	1491.08	3.158		604.90
700	6.682	6.615	34.906	27.389	78.62	1.077	1488.91	3.382		705.89
800	6.019	5.946	34.890	27.464	71.91	1.153	1487.95	3.687		806.92
900	5.482	5.403	34.900	27.539	65.17	1.222	1487.50	3.998		908.01

Cruise: GULFCET 03  
 Date: 16-Nov-92  
 Depth: 1745 m  
 Barometer: 30.18

Station: 06-055  
 Time: 2150  
 Wind Dir: 84.4 °  
 Air Temp Dry: 23 °C

Lat: 26 46.05  
 Wind Speed: 6.2 m/s  
 Air Temp Wet: 19.2 °C

Long: 92 49.98  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.550	24.548	36.089	24.303	361.57	.033	1534.65	4.963		10.07
20	24.547	24.543	36.089	24.303	361.91	.069	1534.81	5.122		20.14
30	24.553	24.547	36.090	24.303	362.40	.106	1534.99	5.017		30.20
50	24.563	24.552	36.090	24.300	363.42	.179	1535.36	5.075		50.34
75	24.562	24.545	36.090	24.300	364.42	.270	1535.77	5.104		75.52
100	21.179	21.160	36.293	25.431	257.53	.350	1527.79	4.743		100.69
125	19.922	19.899	36.565	25.978	206.34	.407	1525.10	3.546		125.88
150	18.386	18.359	36.432	26.274	178.90	.455	1521.03	3.326		151.06
200	16.498	16.465	36.196	26.553	153.68	.538	1516.02	3.350		201.44
250	14.857	14.819	35.947	26.735	137.44	.611	1511.49	3.242		251.83
300	13.331	13.289	35.715	26.880	124.41	.677	1507.12	3.167		302.23
400	11.192	11.141	35.382	27.039	110.71	.795	1501.15	3.006		403.07
500	9.477	9.420	35.148	27.157	100.32	.901	1496.42	2.920		503.96
600	7.824	7.762	34.972	27.278	88.93	.997	1491.73	3.092		604.90
700	6.813	6.746	34.906	27.371	80.48	1.083	1489.43	3.397		705.89
800	5.921	5.849	34.891	27.477	70.50	1.159	1487.57	3.799		806.92
900	5.351	5.273	34.903	27.557	63.23	1.226	1486.97	4.188		908.01

Cruise: GULFCET 03  
 Date: 17-Nov-92  
 Depth: 99 m  
 Barometer: 30.15

Station: 06-064  
 Time: 1033  
 Wind Dir: 123.6°  
 Air Temp Dry: 23.5 °C

Lat: 28 02.00  
 Wind Speed: 5.8 m/s  
 Air Temp Wet: 19.2 °C

Long: 92 50.00  
 Wave Dir: 135°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.024	24.022	36.145	24.503	342.49	.024	1533.42	5.080	.270	10.07
20	24.033	24.029	36.146	24.501	343.08	.059	1533.61	5.112	.283	20.14
30	24.034	24.028	36.146	24.501	343.48	.093	1533.78	5.116	.286	30.20
50	24.038	24.028	36.145	24.499	344.45	.163	1534.13	5.119	.340	50.34
75	23.763	23.748	36.079	24.531	342.42	.249	1533.80	4.953	.220	75.52

Cruise: GULFCET 03  
 Date: 15-Nov-92  
 Depth: 100 m  
 Barometer: 30.32

Station: 07-065  
 Time: 1735  
 Wind Dir: 59.9 °  
 Air Temp Dry: 20.2 °C

Lat: 28 02.01  
 Wind Speed: 6.5 m/s  
 Air Temp Wet: 15.2 °C

Long: 92 10.11  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.187	24.185	36.118	24.434	349.06	.028	1533.79	4.954	.286	10.07
20	24.203	24.199	36.110	24.423	350.54	.063	1533.99	5.055	.291	20.14
30	24.205	24.199	36.102	24.416	351.58	.099	1534.16	4.967	.320	30.20
50	24.201	24.190	36.108	24.422	351.79	.170	1534.49	4.990	.304	50.34
75	24.225	24.209	36.117	24.422	352.83	.258	1534.98	5.021	.315	75.52

Cruise: GULFCET 03  
 Date: 15-Nov-92  
 Depth: 814 m  
 Barometer: 30.29

Station: 07-071  
 Time: 2335  
 Wind Dir: 82.7 °  
 Air Temp Dry: 20.8 °C

Lat: 27 25.96  
 Wind Speed: 7.3 m/s  
 Air Temp Wet: 16.8 °C

Long: 92 10.04  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.835	24.833	36.272	24.355	356.60	.025	1535.54	5.087		10.07
20	24.842	24.838	36.272	24.353	357.19	.061	1535.72	5.057		20.14
30	24.845	24.839	36.272	24.352	357.71	.097	1535.90	5.006		30.20
50	24.850	24.839	36.272	24.351	358.62	.169	1536.25	4.964		50.34
75	24.842	24.825	36.273	24.354	359.33	.260	1536.65	5.082		75.52
100	22.197	22.177	36.380	25.213	278.39	.338	1530.57	4.834		100.69
125	20.247	20.223	36.359	25.734	229.51	.400	1525.76	3.780		125.88
150	19.056	19.029	36.448	26.115	194.07	.455	1522.96	3.252		151.06
200	16.911	16.877	36.246	26.493	159.43	.541	1517.32	3.290		201.44
250	14.913	14.875	35.970	26.740	136.92	.616	1511.69	3.320		251.83
300	12.486	12.445	35.560	26.930	119.28	.681	1504.12	3.088		302.23
400	9.627	9.581	35.168	27.147	99.32	.787	1495.32	3.023		403.07
500	8.020	7.968	34.992	27.265	88.64	.883	1490.83	3.103		503.96
600	6.971	6.913	34.916	27.357	80.44	.968	1488.38	3.337		604.90
700	5.976	5.913	34.888	27.467	70.17	1.044	1486.11	3.856		705.89

Cruise: GULFCET 03  
 Date: 16-Nov-92  
 Depth: 1800 m  
 Barometer: 30.25

Station: 07-073  
 Time: 0553  
 Wind Dir: 86.8 °  
 Air Temp Dry: 22 °C

Lat: 26 46.00  
 Wind Speed: 8.8 m/s  
 Air Temp Wet: 18 °C

Long: 92 10.00  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.756	23.753	35.596	24.167	374.51	.019	1532.16	5.147		10.07
20	23.755	23.751	35.596	24.167	374.90	.057	1532.33	5.122		20.14
30	23.760	23.754	35.596	24.166	375.41	.095	1532.51	5.199		30.20
50	23.775	23.765	35.604	24.167	376.09	.170	1532.89	5.153		50.34
75	23.440	23.424	36.237	24.746	321.91	.262	1533.16	4.354		75.52
100	21.446	21.426	36.379	25.423	258.31	.334	1528.59	4.234		100.69
125	19.592	19.569	36.431	25.963	207.73	.393	1524.03	3.547		125.88
150	18.784	18.757	36.508	26.231	183.06	.442	1522.26	3.470		151.06
200	16.157	16.124	36.164	26.608	148.37	.524	1514.95	3.422		201.44
250	14.452	14.414	35.885	26.775	133.44	.595	1510.12	3.256		251.83
300	12.880	12.838	35.633	26.908	121.58	.659	1505.53	3.156		302.23
400	10.747	10.697	35.314	27.066	107.77	.774	1499.50	3.109		403.07
500	9.109	9.052	35.099	27.179	97.87	.878	1495.01	3.046		503.96
600	7.595	7.534	34.948	27.294	87.20	.971	1490.83	3.184		604.90
700	6.529	6.463	34.888	27.395	77.78	1.054	1488.29	3.535		705.89
800	5.817	5.745	34.889	27.488	69.24	1.128	1487.15	3.939		806.92
900	5.313	5.236	34.908	27.565	62.38	1.195	1486.82	4.250		908.01

Cruise: GULFCET 03  
 Date: 16-Nov-92  
 Depth: 2000 m  
 Barometer: 30.26

Station: 07-075  
 Time: 1112  
 Wind Dir: 79 °  
 Air Temp Dry: 23 °C

Lat: 26 16.92  
 Wind Speed: 8.2 m/s  
 Air Temp Wet: 18.2 °C

Long: 92 10.02  
 Wave Dir: 45.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.540	23.538	35.580	24.218	369.64	.019	1531.60	5.199		10.07
20	23.543	23.539	35.582	24.218	370.00	.056	1531.78	5.136		20.14
30	23.550	23.544	35.586	24.219	370.29	.093	1531.97	5.160		30.20
50	23.568	23.558	35.602	24.227	370.37	.168	1532.37	5.108		50.34
75	21.639	21.624	36.268	25.285	270.54	.255	1528.56	4.026		75.52
100	19.878	19.859	36.360	25.833	219.16	.316	1524.33	3.656		100.69
125	18.840	18.818	36.476	26.192	185.86	.367	1521.96	3.392		125.88
150	17.859	17.833	36.374	26.361	170.53	.412	1519.44	3.372		151.06
200	15.689	15.657	36.079	26.650	144.20	.491	1513.41	3.465		201.44
250	14.179	14.142	35.837	26.797	131.27	.560	1509.19	3.324		251.83
300	12.613	12.572	35.594	26.931	119.22	.623	1504.59	3.177		302.23
400	10.300	10.252	35.249	27.095	104.75	.735	1497.84	3.025		403.07
500	8.567	8.513	35.041	27.220	93.49	.834	1492.94	2.981		503.96
600	7.457	7.396	34.943	27.310	85.51	.924	1490.29	3.172		604.90
700	6.500	6.434	34.889	27.400	77.30	1.007	1488.18	3.527		705.89
800	5.788	5.716	34.890	27.493	68.74	1.081	1487.03	3.913		806.92
900	5.359	5.281	34.904	27.557	63.25	1.147	1487.00	4.163		908.01

Cruise: GULFCET 03  
 Date: 14-Nov-92  
 Depth: 2000 m  
 Barometer: 30.31

Station: 08-076  
 Time: 2035  
 Wind Dir: 47.3 °  
 Air Temp Dry: 21.3 °C

Lat: 26 36.95  
 Wind Speed: 8 m/s  
 Air Temp Wet: 16.5 °C

Long: 91 29.99  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.582	23.580	35.750	24.334	358.56	.025	1531.89	5.178		10.07
20	23.598	23.594	35.752	24.332	359.21	.061	1532.10	5.212		20.14
30	23.608	23.602	35.759	24.333	359.44	.098	1532.30	5.211		30.20
50	23.745	23.734	35.864	24.373	356.43	.170	1533.10	5.227		50.34
75	20.486	20.472	36.378	25.685	232.42	.241	1525.59	3.773		75.52
100	19.154	19.136	36.475	26.111	192.75	.294	1522.43	3.361		100.69
125	17.983	17.961	36.381	26.335	172.14	.340	1519.39	3.388		125.88
150	17.229	17.204	36.312	26.468	160.29	.382	1517.51	3.502		151.06
200	15.256	15.225	36.008	26.693	140.04	.457	1511.98	3.348		201.44
250	13.639	13.603	35.748	26.842	126.77	.525	1507.34	3.331		251.83
300	12.214	12.174	35.534	26.963	116.01	.586	1503.17	3.224		302.23
400	10.008	9.961	35.205	27.111	102.94	.697	1496.75	3.057		403.07
500	8.092	8.040	34.979	27.244	90.72	.794	1491.09	3.109		503.96
600	7.070	7.012	34.909	27.337	82.42	.881	1488.76	3.309		604.90
700	6.422	6.357	34.889	27.411	76.16	.961	1487.88	3.554		705.89
800	5.839	5.767	34.890	27.487	69.45	1.034	1487.24	3.834		806.92
900	5.454	5.375	34.900	27.542	64.80	1.102	1487.38	4.037		908.01

Cruise: GULFCET 03  
 Date: 15-Nov-92  
 Depth: 930 m  
 Barometer: 30.31

Station: 08-080  
 Time: 0539  
 Wind Dir: 42.4 °  
 Air Temp Dry: 20.2 °C

Lat: 27 25.99  
 Wind Speed: 7.8 m/s  
 Air Temp Wet: 15 °C

Long: 91 30.00  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.643	24.641	36.256	24.401	352.22	.028	1535.06	5.012		10.07
20	24.645	24.641	36.259	24.403	352.45	.064	1535.23	5.036		20.14
30	24.657	24.650	36.260	24.400	353.09	.099	1535.43	5.047		30.20
50	24.647	24.636	36.261	24.404	353.55	.171	1535.74	5.003		50.34
75	21.960	21.945	36.281	25.204	278.20	.255	1529.42	4.603		75.52
100	20.492	20.473	36.305	25.627	238.79	.320	1525.95	4.002		100.69
125	18.761	18.739	36.379	26.138	190.95	.372	1521.63	3.312		125.88
150	17.488	17.462	36.318	26.409	165.89	.417	1518.29	3.349		151.06
200	14.885	14.855	35.940	26.723	137.02	.493	1510.73	3.408		201.44
250	13.029	12.994	35.659	26.899	121.18	.557	1505.22	3.311		251.83
300	11.900	11.861	35.486	26.986	113.64	.616	1502.05	3.213		302.23
400	9.774	9.728	35.165	27.120	101.98	.724	1495.85	3.170		403.07
500	8.536	8.482	35.025	27.212	94.17	.823	1492.81	3.171		503.96
600	6.994	6.936	34.896	27.338	82.25	.912	1488.45	3.382		604.90
700	6.339	6.274	34.885	27.418	75.36	.991	1487.54	3.635		705.89
800	5.728	5.657	34.892	27.502	67.82	1.063	1486.80	3.963		806.92
900	5.142	5.066	34.913	27.590	59.73	1.127	1486.14	4.336		908.01

Cruise: GULFCET 03  
 Date: 15-Nov-92  
 Depth: 100 m  
 Barometer: 30.32

Station: 08-086  
 Time: 1318  
 Wind Dir: 56.3 °  
 Air Temp Dry: 19.8 °C

Lat: 28 07.34  
 Wind Speed: 7.5 m/s  
 Air Temp Wet: 15.5 °C

Long: 91 30.24  
 Wave Dir: 53.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.379	23.377	35.407	24.134	377.64	.034	1531.01	5.144	.365	10.07
20	23.381	23.377	35.409	24.135	377.93	.072	1531.19	5.153	.419	20.14
30	23.455	23.449	35.450	24.145	377.42	.110	1531.58	5.244	.386	30.20
50	23.543	23.532	35.599	24.232	369.86	.186	1532.30	5.084	.326	50.34
75	21.554	21.540	36.331	25.356	263.78	.270	1528.41	3.972	.116	75.52

Cruise: GULFCET 03  
 Date: 14-Nov-92  
 Depth: 109 m  
 Barometer: 30.28

Station: 09-087  
 Time: 0007  
 Wind Dir: 36 °  
 Air Temp Dry: 18.2 °C

Lat: 28 08.93  
 Wind Speed: 9.7 m/s  
 Air Temp Wet: 14 °C

Long: 90 50.12  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.158	23.156	30.388	20.397	725.18	.008	1524.98	4.036		10.07
20	23.211	23.207	34.880	23.783	411.46	.052	1530.18	4.327		20.14
30	23.216	23.210	34.892	23.791	411.11	.093	1530.37	5.048		30.20
50	23.662	23.652	35.182	23.880	403.38	.176	1532.15	4.882		50.34
75	21.299	21.284	36.519	25.570	243.42	.253	1527.94	3.704		75.52
100	20.901	20.881	36.540	25.696	232.36	.312	1527.32	3.494		100.69

Cruise: GULFCET 03  
 Date: 14-Nov-92  
 Depth: 1300 m  
 Barometer: 30.29

Station: 09-093  
 Time: 0713  
 Wind Dir: 72 °  
 Air Temp Dry: 21 °C

Lat: 27 25.92  
 Wind Speed: 9.6 m/s  
 Air Temp Wet: 16.5 °C

Long: 90 50.16  
 Wave Dir: 51.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.892	23.890	35.853	24.321	359.83	.015	1532.78	5.214		10.07
20	23.896	23.892	35.854	24.320	360.28	.051	1532.96	5.245		20.14
30	23.893	23.886	35.856	24.323	360.44	.087	1533.12	5.397		30.20
50	22.834	22.824	36.373	25.025	294.38	.158	1531.36	5.134		50.34
75	20.465	20.450	36.449	25.744	226.74	.223	1525.62	4.189		75.52
100	18.996	18.978	36.492	26.164	187.68	.274	1522.01	3.680		100.69
125	17.764	17.742	36.372	26.383	167.57	.319	1518.74	3.579		125.88
150	16.772	16.747	36.245	26.526	154.70	.359	1516.07	3.647		151.06
200	14.609	14.579	35.912	26.762	133.32	.432	1509.82	3.560		201.44
250	13.088	13.053	35.665	26.891	121.94	.496	1505.43	3.403		251.83
300	11.745	11.706	35.456	26.993	112.99	.555	1501.48	3.105		302.23
400	9.587	9.541	35.152	27.141	99.82	.663	1495.16	2.965		403.07
500	7.914	7.863	34.964	27.258	89.15	.758	1490.39	3.045		503.96
600	6.528	6.472	34.888	27.395	76.28	.842	1486.62	3.408		604.90
700	5.964	5.901	34.889	27.470	69.87	.915	1486.07	3.637		705.89
800	5.691	5.620	34.895	27.509	67.10	.985	1486.65	3.769		806.92
900	5.383	5.305	34.903	27.553	63.62	1.051	1487.10	3.965		908.01

Cruise: GULFCET 03  
 Date: 14-Nov-92  
 Depth: 2000 m  
 Barometer: 30.27

Station: 09-096  
 Time: 1510  
 Wind Dir: 51.4 °  
 Air Temp Dry: 21.8 °C

Lat: 26 44.91  
 Wind Speed: 8.6 m/s  
 Air Temp Wet: 16.5 °C

Long: 90 50.07  
 Wave Dir: 50.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.786	23.784	35.749	24.273	364.39	.007	1532.40	5.451		10.07
10	23.786	23.784	35.749	24.273	364.39	.007	1532.40	5.451		10.07
20	23.779	23.775	35.748	24.274	364.66	.044	1532.55	5.395		20.14
30	23.734	23.727	35.745	24.286	363.94	.081	1532.60	5.481		30.20
50	23.344	23.334	36.271	24.799	315.86	.153	1532.54	5.318		50.34
75	21.343	21.328	36.407	25.472	252.69	.223	1527.93	4.632		75.52
100	17.667	17.650	36.273	26.331	171.65	.276	1517.92	3.853		100.69
125	15.347	15.327	36.033	26.692	137.87	.313	1511.04	3.461		125.88
150	14.197	14.175	35.844	26.798	128.27	.347	1507.59	3.367		151.06
200	12.887	12.859	35.633	26.907	119.00	.409	1503.89	3.365		201.44
250	11.851	11.819	35.475	26.987	112.30	.467	1501.03	3.345		251.83
300	10.593	10.557	35.293	27.078	104.30	.521	1497.27	3.248		302.23
300	10.593	10.557	35.293	27.078	104.30	.521	1497.27	3.248		302.23
400	8.703	8.660	35.041	27.198	93.72	.621	1491.78	3.242		403.07
500	7.598	7.547	34.938	27.285	86.31	.712	1489.16	3.318		503.96
600	6.626	6.570	34.887	27.381	77.71	.794	1487.01	3.638		604.90
700	6.019	5.956	34.887	27.461	70.79	.869	1486.28	3.876		705.89
800	5.668	5.598	34.895	27.511	66.82	.939	1486.56	4.034		806.92
900	5.229	5.151	34.909	27.577	61.13	1.003	1486.48	4.354		908.01

Cruise: GULFCET 03  
 Date: 12-Nov-92  
 Depth: 94 m  
 Barometer: 29.94

Station: 11-106  
 Time: 0449  
 Wind Dir: 195 °  
 Air Temp Dry: 23 °C

Lat: 28 44.99  
 Wind Speed: 6.1 m/s  
 Air Temp Wet: 23 °C

Long: 89 30.03  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.330	23.328	35.335	24.094	381.51	.019	1530.81	4.426	.357	10.07
20	23.665	23.661	35.726	24.292	362.99	.057	1532.24	5.297	.239	20.14
30	23.685	23.679	35.781	24.327	360.00	.093	1532.52	5.253	.224	30.20
50	23.608	23.597	35.823	24.382	355.55	.165	1532.71	5.351	.217	50.34
75	23.611	23.595	35.929	24.462	348.96	.254	1533.26	5.039	.214	75.52



**Cruise:** GULFCET 03      **Station:** 11-112  
**Date:** 12-Nov-92      **Time:** 1148      **Lat:** 28 06.01      **Long:** 89 29.96  
**Depth:** 1075 m      **Wind Dir:** 221 °      **Wind Speed:** 8.4 m/s      **Wave Dir:** 20.°  
**Barometer:** 29.95      **Air Temp Dry:** 24.2 °C      **Air Temp Wet:** 25.9 °C      **Secchi Depth:** 25.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.797	24.795	36.001	24.161	375.06	.030	1535.15	2.881		10.07
20	24.800	24.796	35.987	24.150	376.55	.068	1535.31	4.024		20.14
30	24.787	24.780	35.990	24.157	376.31	.106	1535.45	4.103		30.20
50	24.488	24.477	36.102	24.332	360.43	.181	1535.19	5.561		50.34
75	20.596	20.582	36.492	25.742	227.01	.249	1526.02	4.417		75.52
100	18.626	18.608	36.469	26.241	180.28	.299	1520.92	3.606		100.69
125	17.278	17.257	36.309	26.454	160.80	.342	1517.24	3.710		125.88
150	16.201	16.177	36.164	26.597	147.77	.380	1514.25	3.883		151.06
200	14.502	14.472	35.890	26.768	132.65	.451	1509.46	3.664		201.44
250	13.021	12.986	35.652	26.895	121.57	.514	1505.19	3.554		251.83
300	11.643	11.604	35.436	26.997	112.54	.573	1501.10	3.512		302.23
400	9.660	9.614	35.160	27.135	100.47	.681	1495.44	3.422		403.07
500	8.225	8.172	34.991	27.233	91.87	.777	1491.60	3.295		503.96
600	7.057	6.999	34.908	27.339	82.28	.865	1488.71	3.421		604.90
700	6.264	6.199	34.885	27.428	74.26	.944	1487.25	3.682		705.89
800	5.648	5.577	34.894	27.514	66.57	1.016	1486.48	4.013		806.92
900	5.217	5.140	34.910	27.578	60.97	1.079	1486.44	4.317		908.01

**Cruise:** GULFCET 03      **Station:** 12-117  
**Date:** 11-Nov-92      **Time:** 0752      **Lat:** 27 46.22      **Long:** 88 50.09  
**Depth:** 1611 m      **Wind Dir:** 134 °      **Wind Speed:** 9.8 m/s      **Wave Dir:** °  
**Barometer:** 30.11      **Air Temp Dry:** 24 °C      **Air Temp Wet:** 23 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.624	24.622								10.07
20	24.629	24.625								20.14
30	24.640	24.634								30.20
50	24.697	24.686								50.34
75	22.837	22.822	36.591	25.189	279.70	.675	1532.03			75.52
100	18.445	18.428	36.473	26.290	175.62	.737	1520.41			100.69
125	17.126	17.105	36.300	26.483	157.96	.778	1516.77			125.88
150	16.277	16.253	36.180	26.592	148.29	.817	1514.50			151.06
200	14.704	14.673	35.929	26.755	134.02	.888	1510.15			201.44
250	13.060	13.025	35.664	26.896	121.47	.952	1505.33			251.83
300	11.401	11.363	35.397	27.012	110.97	1.010	1500.23			302.23
400	9.578	9.532	35.133	27.128	101.08	1.116	1495.10			403.07
500	8.102	8.050	34.961	27.228	92.19	1.214	1491.10			503.96
600	7.061	7.003	34.895	27.327	83.33	1.301	1488.71			604.90
700	6.220	6.155	34.884	27.433	73.76	1.381	1487.07			705.89
800	5.663	5.593	34.895	27.512	66.75	1.451	1486.54			806.92
900	5.173	5.097	34.911	27.585	60.27	1.515	1486.26			908.01

Cruise: GULFCET 03  
 Date: 11-Nov-92  
 Depth: 1203 m  
 Barometer: 30.01

Station: 12-119  
 Time: 1530  
 Wind Dir: 118 °  
 Air Temp Dry: 23.0 °C

Lat: 28 26.07  
 Wind Speed: 8.8 m/s  
 Air Temp Wet: 22.2 °C

Long: 88 50.03  
 Wave Dir: °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.000	23.998	35.818	24.263	365.40	.052	1533.01	5.296		10.07
20	23.972	23.968	35.814	24.268	365.28	.089	1533.10	5.335		20.14
30	23.846	23.840	35.789	24.286	363.91	.125	1532.93	5.409		30.20
50	23.648	23.637	35.746	24.312	362.22	.198	1532.73	5.375		50.34
75	21.151	21.136	36.520	25.612	239.43	.272	1527.54	4.629		75.52
100	19.286	19.268	36.505	26.100	193.82	.327	1522.84	3.813		100.69
125	17.478	17.457	36.344	26.432	162.91	.371	1517.87	3.365		125.88
150	16.265	16.241	36.179	26.594	148.08	.410	1514.46	3.574		151.06
200	14.499	14.469	35.895	26.773	132.25	.481	1509.46	3.558		201.44
250	13.264	13.228	35.695	26.878	123.22	.545	1506.04	3.383		251.83
300	12.026	11.986	35.491	26.966	115.65	.605	1502.48	3.339		302.23
400	10.229	10.181	35.220	27.084	105.65	.717	1497.55	3.228		403.07
500	8.547	8.493	35.011	27.199	95.42	.818	1492.83	3.156		503.96
600	7.306	7.246	34.917	27.311	85.23	.910	1489.68	3.325		604.90
700	6.420	6.355	34.885	27.407	76.43	.992	1487.86	3.555		705.89
800	5.680	5.609	34.893	27.508	67.12	1.063	1486.61	3.977		806.92
900	5.439	5.361	34.903	27.546	64.42	1.130	1487.33	4.135		908.01
1000	5.203	5.117	34.911	27.581	61.81	1.193	1488.06	4.170		1009.14

Cruise: GULFCET 03  
 Date: 11-Nov-92  
 Depth: 89 m  
 Barometer: 29.98

Station: 12-125  
 Time: 2346  
 Wind Dir: 181.1°  
 Air Temp Dry: 22.8 °C

Lat: 29 06.92  
 Wind Speed: 3.8 m/s  
 Air Temp Wet: 22.1 °C

Long: 88 49.69  
 Wave Dir: 49.°  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.142	23.139	35.351	24.160	375.14	.049	1530.35	3.868	.441	10.07
20	23.471	23.467	35.733	24.355	357.03	.086	1531.76	5.284	.362	20.14
30	23.494	23.488	35.754	24.363	356.57	.122	1532.01	5.294	.327	30.20
50	23.475	23.465	35.760	24.374	356.37	.194	1532.31	5.304	.296	50.34
75	23.136	23.120	35.809	24.510	344.37	.290	1531.93	4.693	.371	75.52
75	23.162	23.146	35.792	24.489	346.32	.283	1531.98	4.719	.381	75.52

**Cruise:** GULFCET 03      **Station:** 13-126  
**Date:** 10-Nov-92      **Time:** 0936      **Lat:** 26 16.29      **Long:** 88 10.23  
**Depth:** 95 m      **Wind Dir:** 92 °      **Wind Speed:** 10.90 m/s      **Wave Dir:** °  
**Barometer:** 30.27      **Air Temp Dry:** 22.01°C      **Air Temp Wet:** 20.51 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.358	23.356	35.686	24.351	356.94	.007	1531.26			10.07
30	23.355	23.349	35.679	24.347	358.12	.026	1531.58			30.20
75	22.660	22.644	36.546	25.206	278.04	.024	1531.52			75.52

**Cruise:** GULFCET 03      **Station:** 13-133  
**Date:** 10-Nov-92      **Time:** 1604      **Lat:** 28 45.52      **Long:** 88 09.88  
**Depth:** 1850 m      **Wind Dir:** 90 °      **Wind Speed:** 12. m/s      **Wave Dir:** °  
**Barometer:** 30.17      **Air Temp Dry:** 23.8 °C      **Air Temp Wet:** 22.5 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.959	24.957	36.003	24.114	379.62	.017	1535.54			10.07
20	24.965	24.961	36.195	24.257	366.37	.054	1535.93			20.14
30	24.967	24.961	36.229	24.282	364.38	.091	1536.15			30.20
50	24.945	24.934	36.219	24.282	365.20	.165	1536.42			50.34
75	20.579	20.564	36.319	25.614	239.12	.237	1525.78			75.52
100	19.105	19.087	36.505	26.146	189.41	.291	1522.33			100.69
125	17.783	17.762	36.386	26.389	167.03	.336	1518.81			125.88
150	16.770	16.745	36.252	26.532	154.11	.376	1516.07			151.06
200	15.167	15.136	36.000	26.707	138.68	.450	1511.69			201.44
250	13.891	13.855	35.798	26.827	128.27	.517	1508.22			251.83
300	12.469	12.428	35.564	26.936	118.68	.580	1504.07			302.23
400	10.258	10.210	35.224	27.083	105.81	.692	1497.66			403.07
500	8.921	8.865	35.055	27.175	98.06	.795	1494.27			503.96
600	7.721	7.660	34.945	27.272	89.34	.889	1491.30			604.90
700	6.631	6.564	34.882	27.377	79.63	.975	1488.68			705.89
800	5.911	5.839	34.884	27.473	70.88	1.051	1487.52			806.92
900	5.375	5.296	34.902	27.554	63.58	1.118	1487.06			908.01

**Cruise:** GULFCET 03      **Station:** 14-135  
**Date:** 11-Nov-92      **Time:** 1345      **Lat:** 28 30.86      **Long:** 87 30.38  
**Depth:** 2000 m      **Wind Dir:** 74.9 °      **Wind Speed:** 10. m/s      **Wave Dir:** °  
**Barometer:** 30.20      **Air Temp Dry:** 22.8 °C      **Air Temp Wet:** 20.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.977	24.975	35.995	24.103	380.67	.031	1535.58	4.861		10.07
20	24.992	24.988	36.002	24.103	381.04	.069	1535.79	4.868		20.14
30	24.993	24.986	36.002	24.103	381.47	.107	1535.96	4.901		30.20
50	25.108	25.097	36.064	24.115	381.13	.184	1536.64	4.953		50.34
75	21.208	21.193	36.375	25.486	251.38	.262	1527.54	4.514		75.52
100	19.447	19.428	36.480	26.038	199.64	.318	1523.26	3.452		100.69
125	18.133	18.112	36.393	26.308	174.80	.365	1519.84	3.151		125.88
150	16.981	16.956	36.274	26.498	157.36	.407	1516.73	3.388		151.06
200	15.157	15.126	35.997	26.707	138.69	.481	1511.66	3.600		201.44
250	13.716	13.680	35.757	26.833	127.73	.548	1507.60	3.477		251.83
300	12.563	12.522	35.571	26.924	119.90	.610	1504.40	3.373		302.23
400	10.452	10.403	35.256	27.073	106.86	.724	1498.39	3.226		403.07
600	7.393	7.333	34.915	27.296	86.70	.073	1490.01	3.211		604.90
700	6.223	6.159	34.880	27.429	74.08	.154	1487.08	3.691		705.89
800	5.597	5.527	34.893	27.519	65.97	.224	1486.27	4.128		806.92
900	5.205	5.128	34.909	27.580	60.81	.288	1486.39	4.424		908.01

Cruise: GULFCET 03  
 Date: 11-Nov-92  
 Depth: 1600 m  
 Barometer: 30.25

Station: 14-136  
 Time: 1820  
 Wind Dir: 79  
 Air Temp Dry: 20.9 °C

Lat: 28 45.96  
 Wind Speed: 13.3 m/s  
 Air Temp Wet: °C

Long: 87 30.02  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	24.580	24.577	36.041	24.258	365.87	.026	1534.67	5.003		10.07
20	24.579	24.574	36.040	24.257	366.34	.063	1534.83	5.056		20.14
30	24.593	24.586	36.040	24.253	387.11	.100	1535.04	5.164		30.20
50	24.372	24.361	36.125	24.384	355.47	.173	1534.93	5.080		50.34
75	20.947	20.933	36.633	25.754	225.90	.240	1527.12	3.959		75.52
100	19.551	19.533	36.619	26.117	192.20	.292	1523.71	3.666		100.69
125	18.238	18.216	36.472	26.341	171.61	.337	1520.23	3.725		125.88
150	17.349	17.323	36.351	26.469	160.22	.379	1517.91	3.811		151.06
200	15.913	15.881	36.120	26.631	146.13	.456	1514.15	3.677		201.44
250	14.632	14.594	35.906	26.752	135.70	.527	1510.72	3.462		251.83
400	10.956	10.906	35.339	27.048	109.66	.050	1500.27	3.071		403.07
500	9.152	9.095	35.078	27.156	100.10	.156	1495.15	2.990		503.96
600	7.974	7.911	34.953	27.241	92.60	.253	1492.27	3.049		604.90
700	6.850	6.783	34.890	27.353	82.17	.341	1489.55	3.296		705.89
800	5.726	5.655	34.893	27.503	67.71	.416	1486.79	3.867		806.92
900	5.245	5.167	34.909	27.574	61.37	.481	1486.55	4.230		908.01

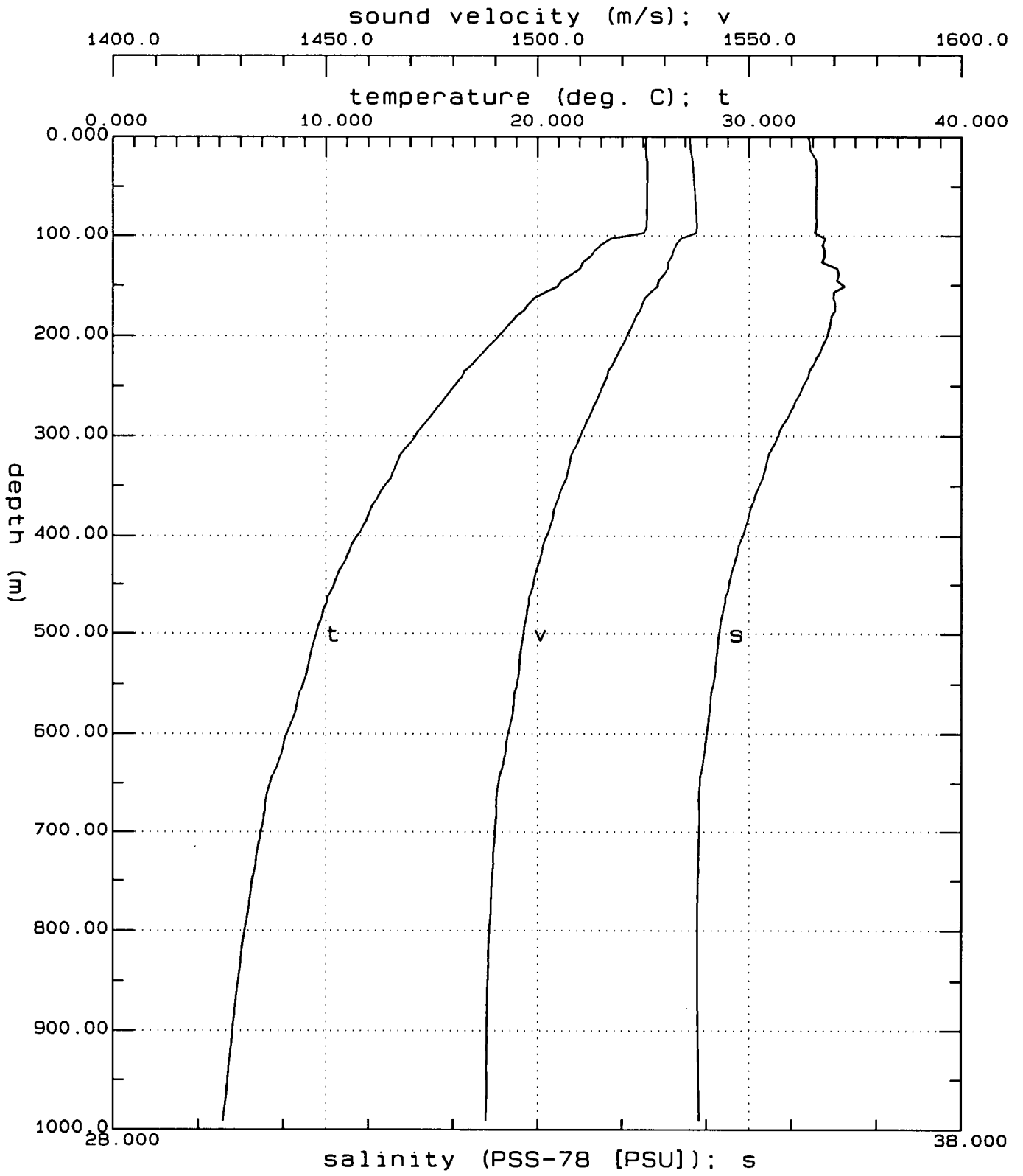
Cruise: GULFCET 03  
 Date: 10-Nov-92  
 Depth: 82 m  
 Barometer:

Station: 14-143  
 Time: 0400  
 Wind Dir:  
 Air Temp Dry: °C

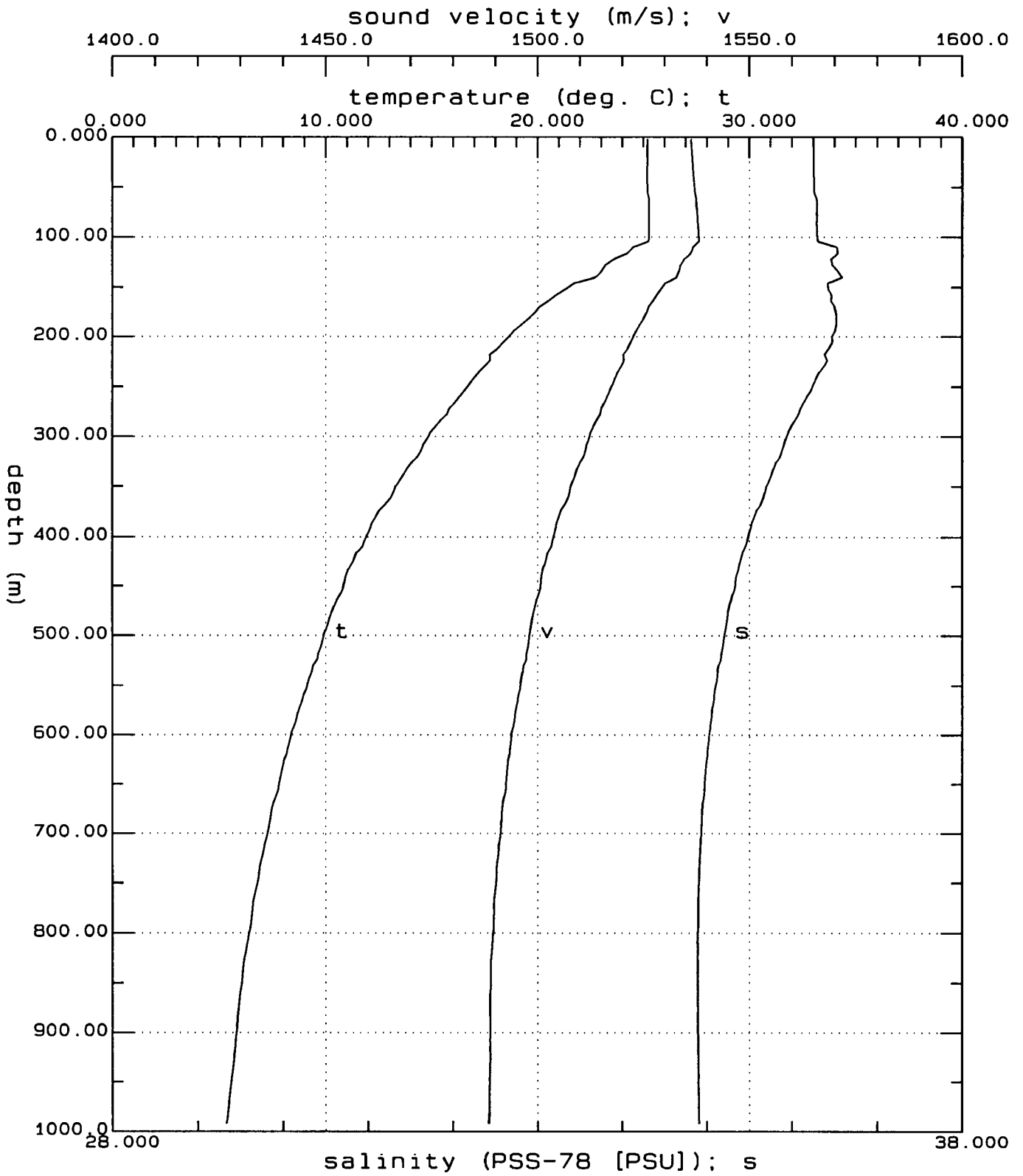
Lat: 29 26.99  
 Wind Speed: m/s  
 Air Temp Wet: °C

Long: 87 30.15  
 Wave Dir:  
 Secchi Depth:

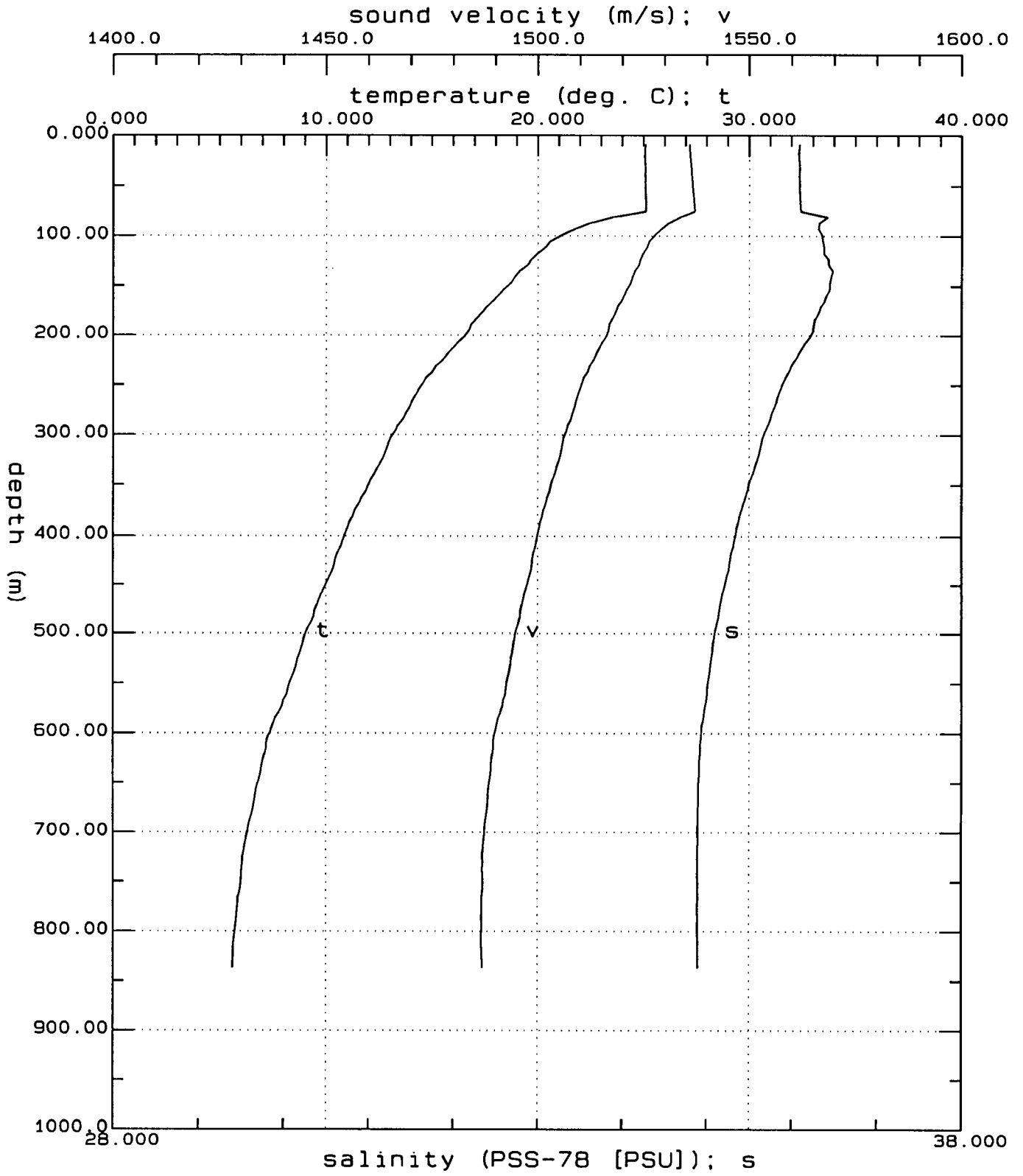
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Dyn Ht	Sound V	Oxy.	Fluor.	Pressure
10	23.757	23.754	36.047	24.508	341.99	.003	1532.65	3.399		10.07
20	23.758	23.753	36.048	24.509	342.35	.038	1532.82	3.235		20.14
30	23.762	23.756	36.048	24.508	342.84	.072	1533.00	3.116		30.20
50	23.758	23.748	36.052	24.512	343.24	.014	1533.34	3.383		50.34



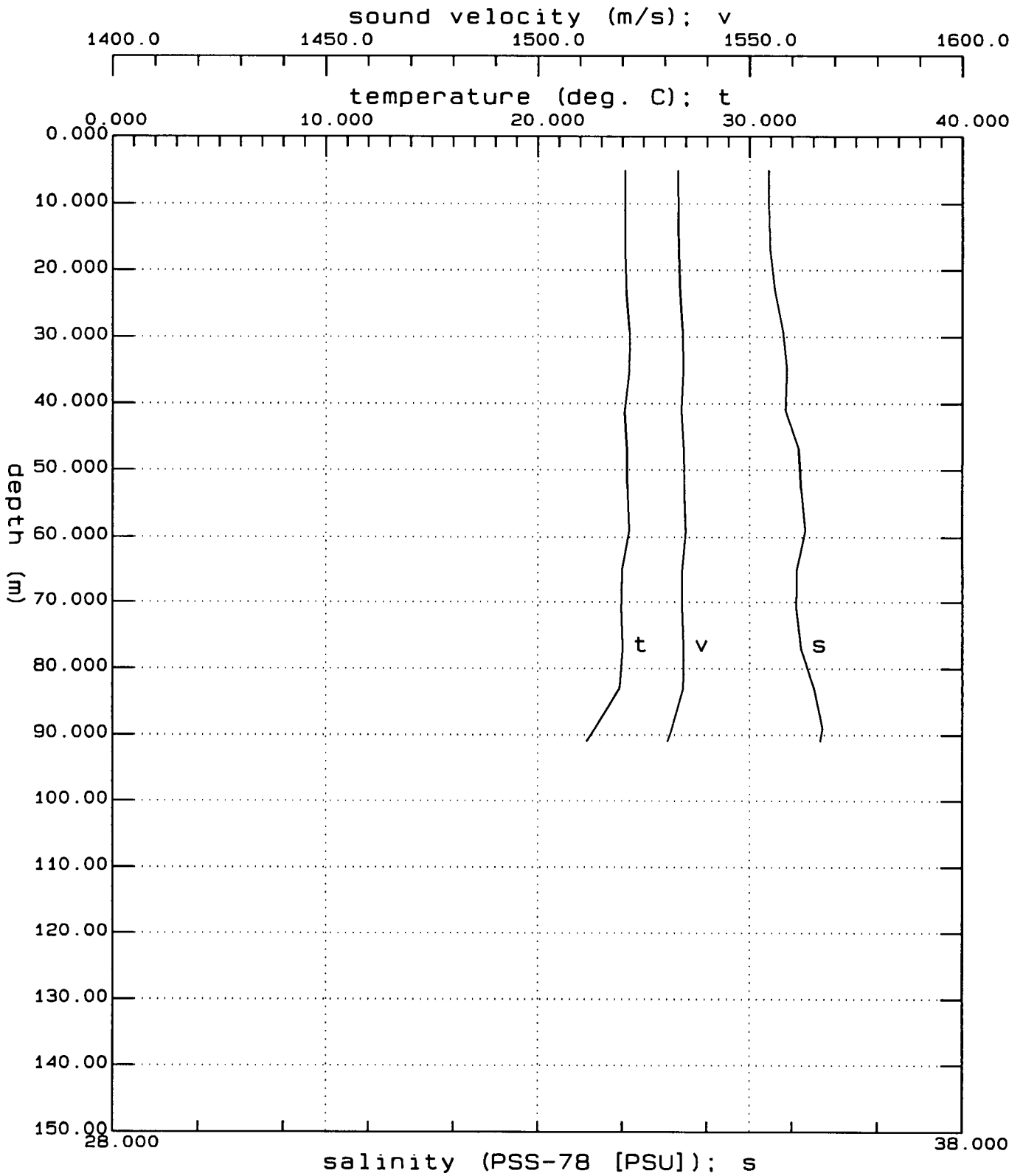
02-010.CNV: Gulfcet Cruise 03



02-013.CNV: Gulfcet Cruise 03

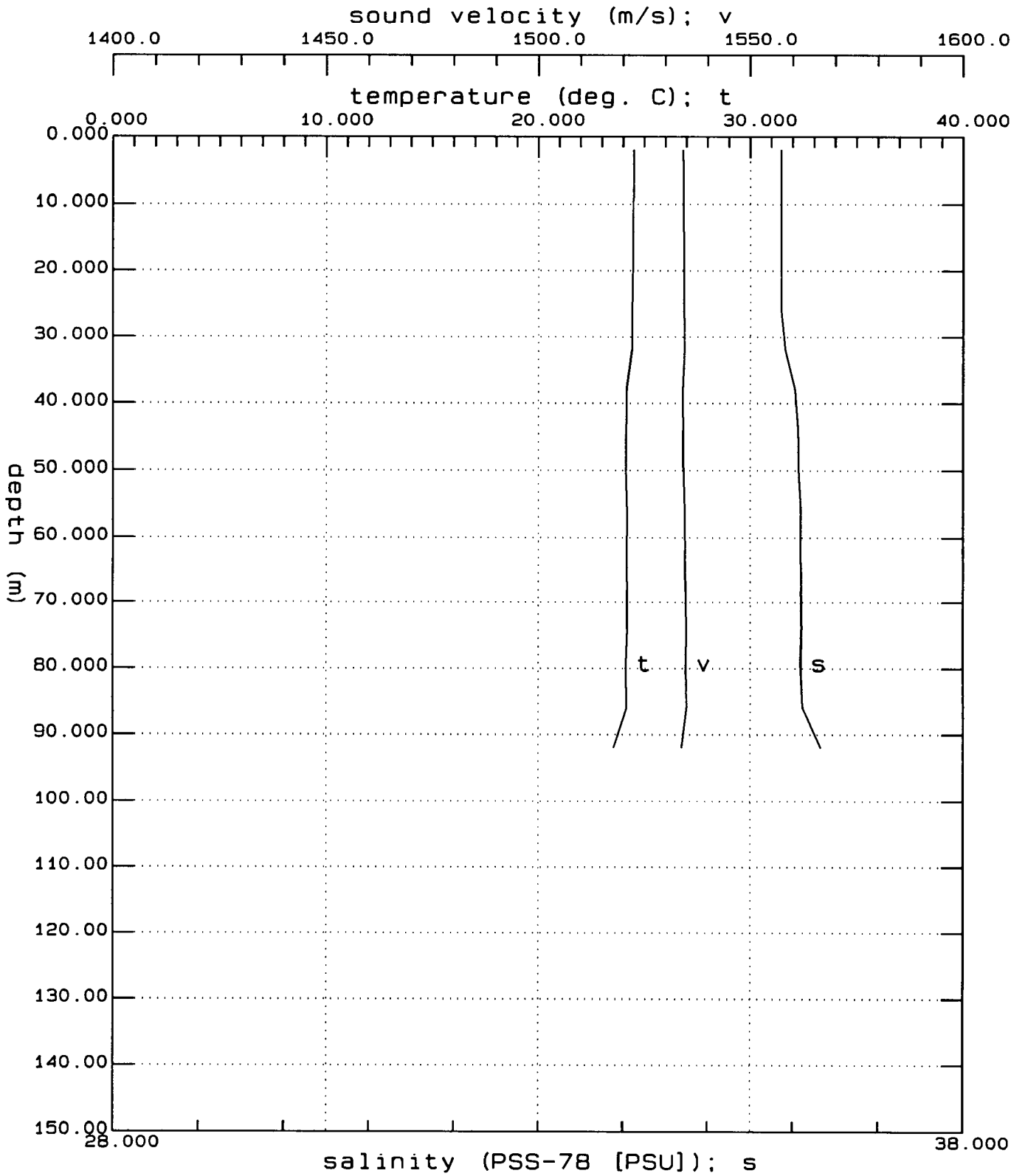


02-015.CNV: Gulfcet Cruise 03

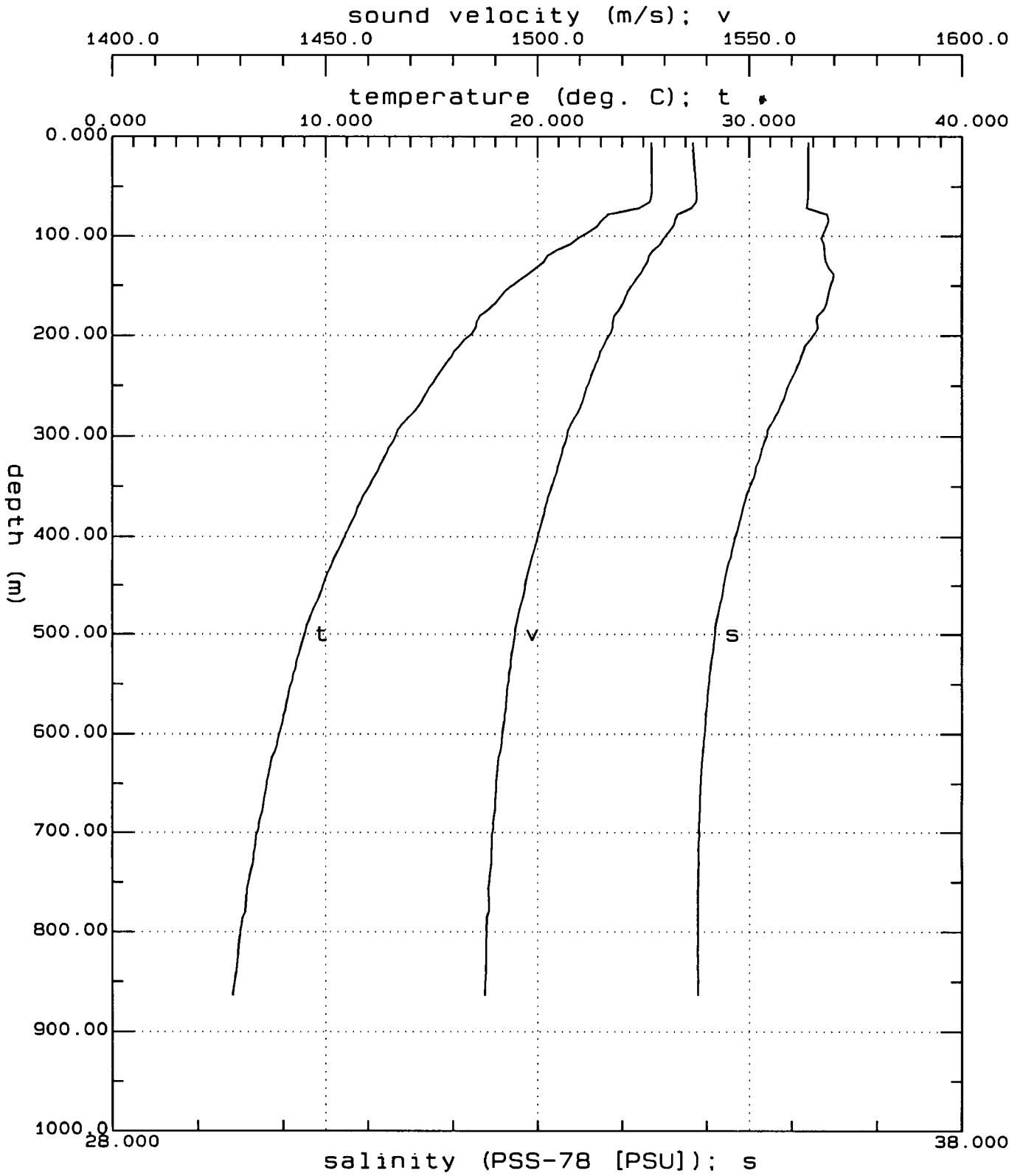


02-020.CNV: Gulfcet Cruise 03

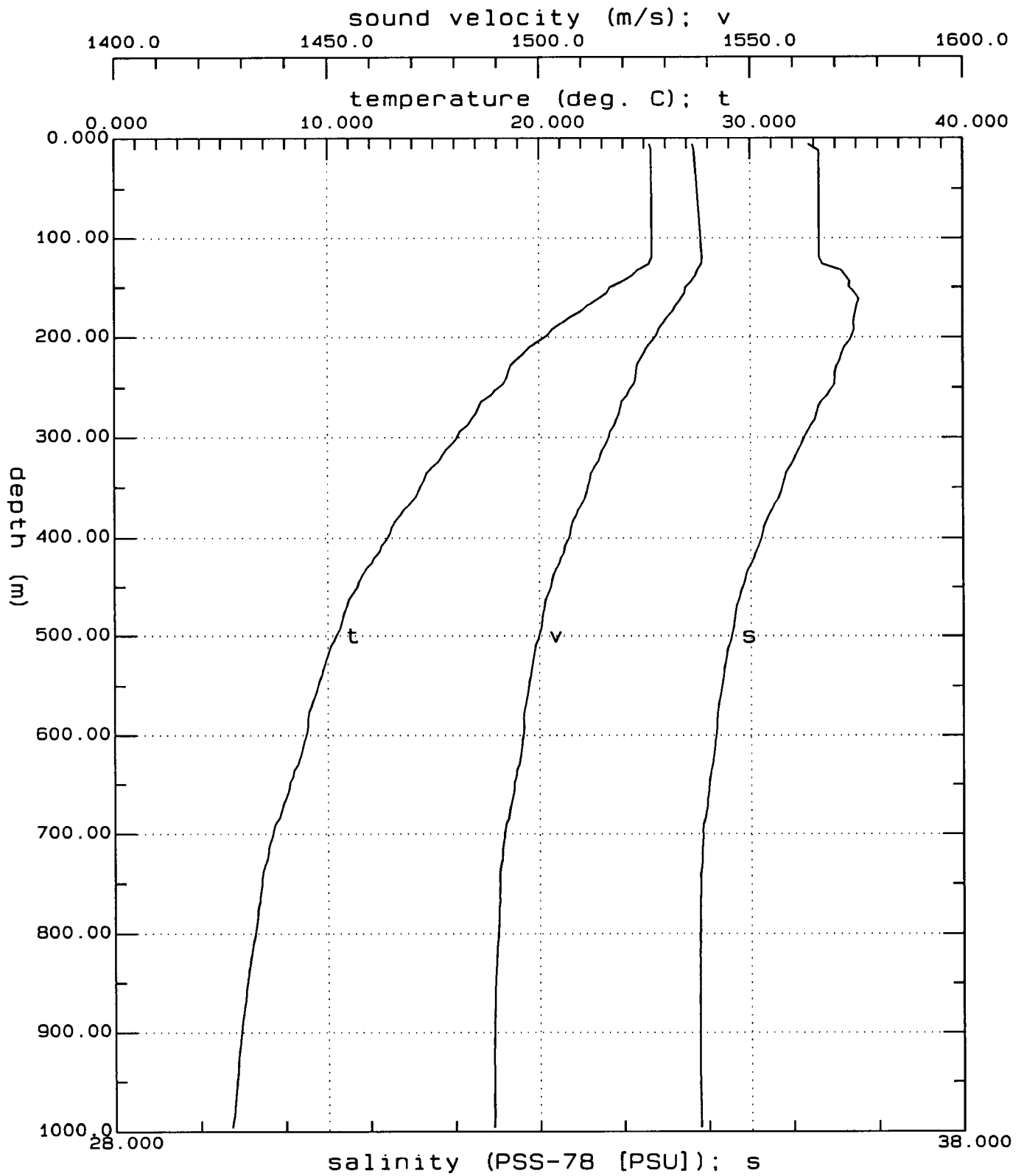




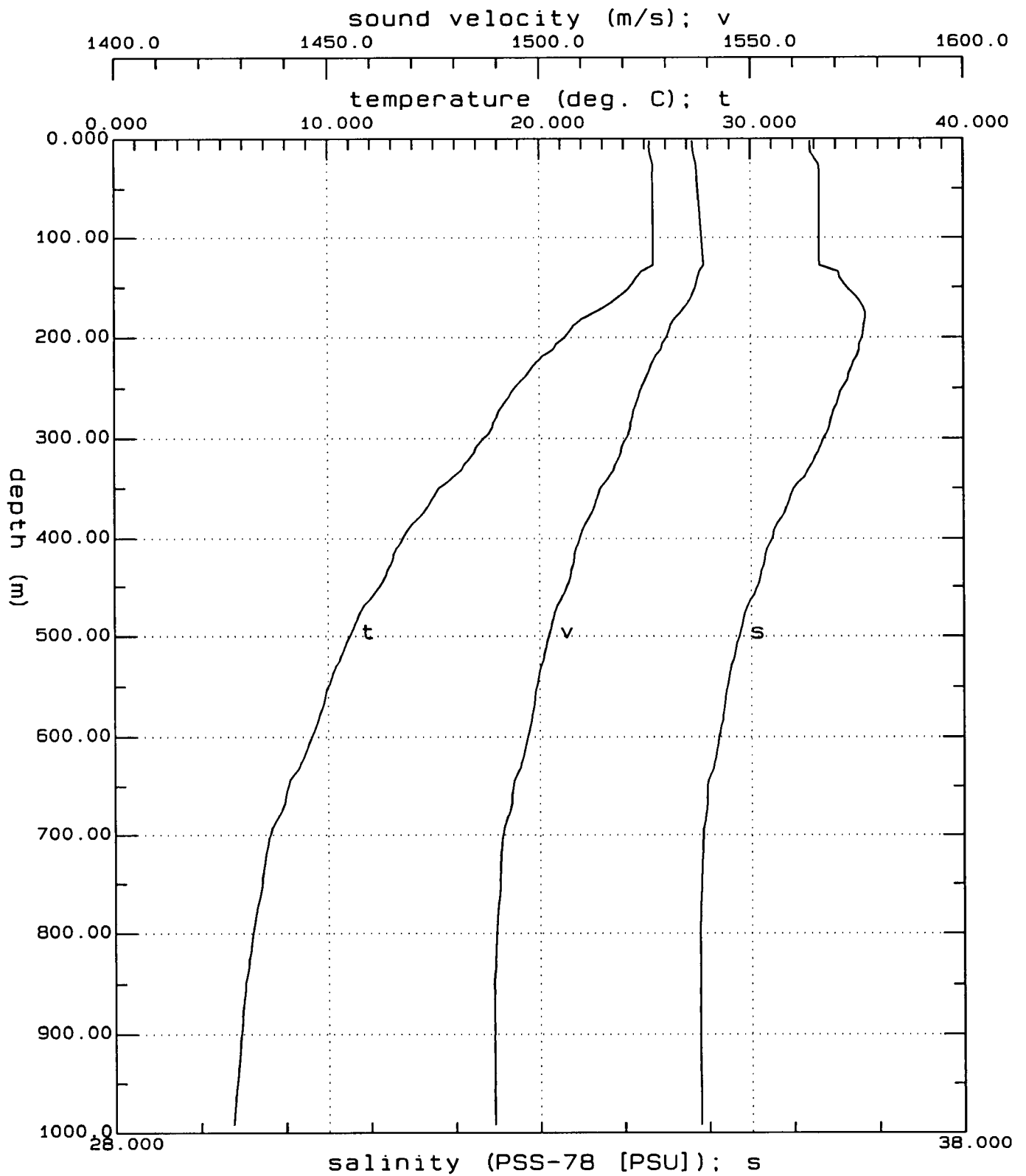
03-021.CNV: Gulfcet Cruise 03



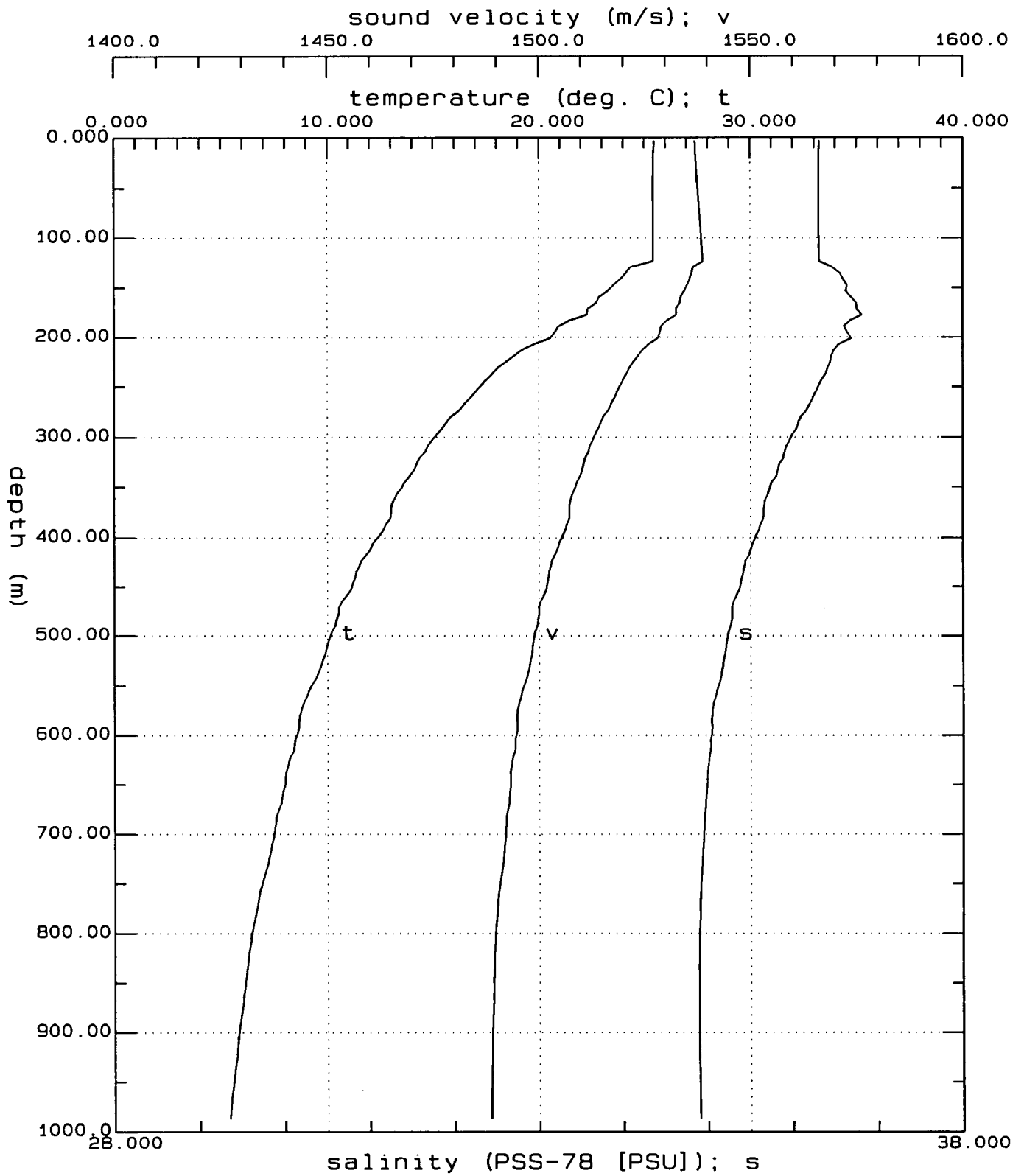
03-026.CNV: Gulfcet Cruise 03



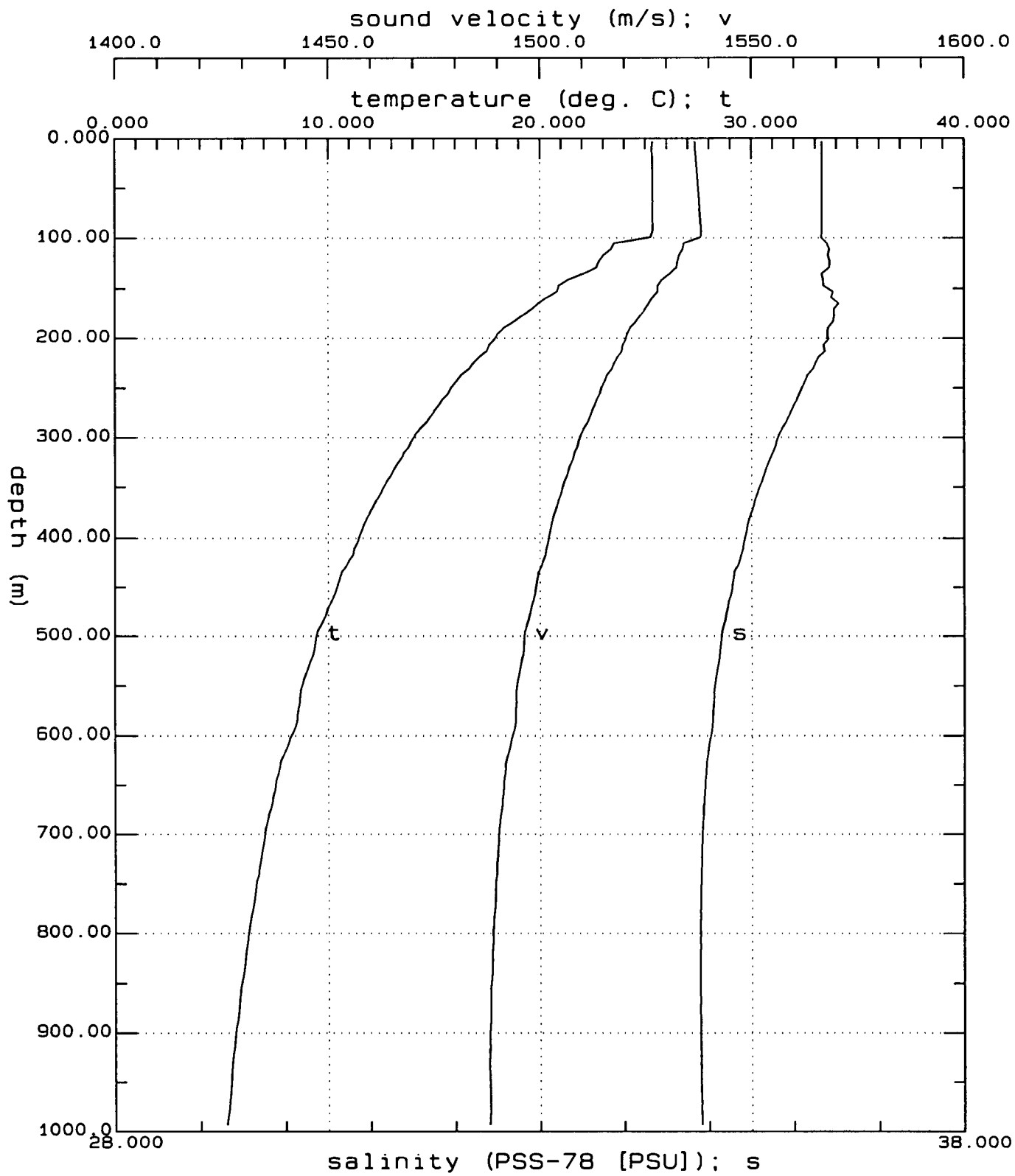
03-029.CNV: Gulfcet Cruise 03



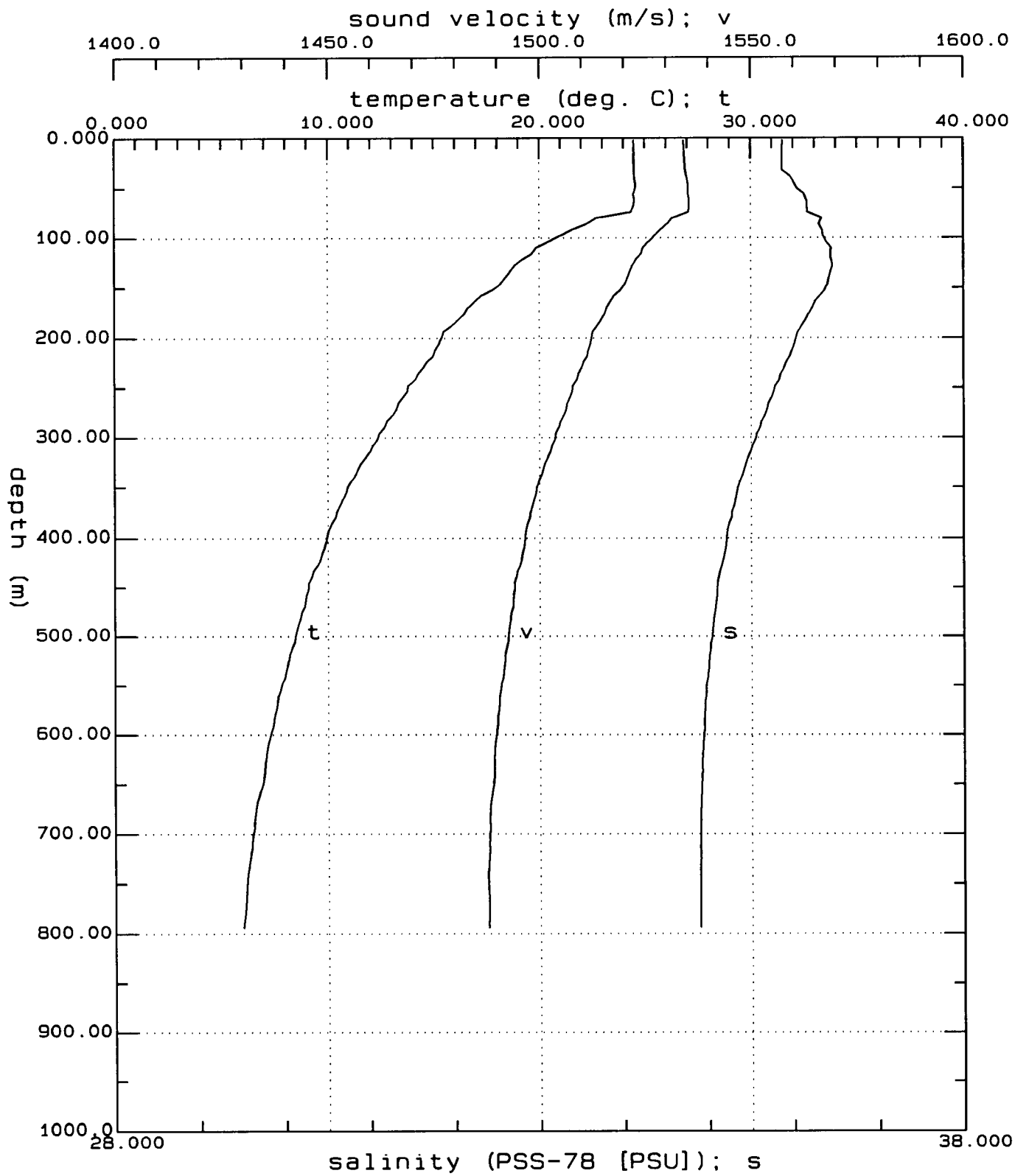
03-030.CNV: Gulfcet Cruise 03



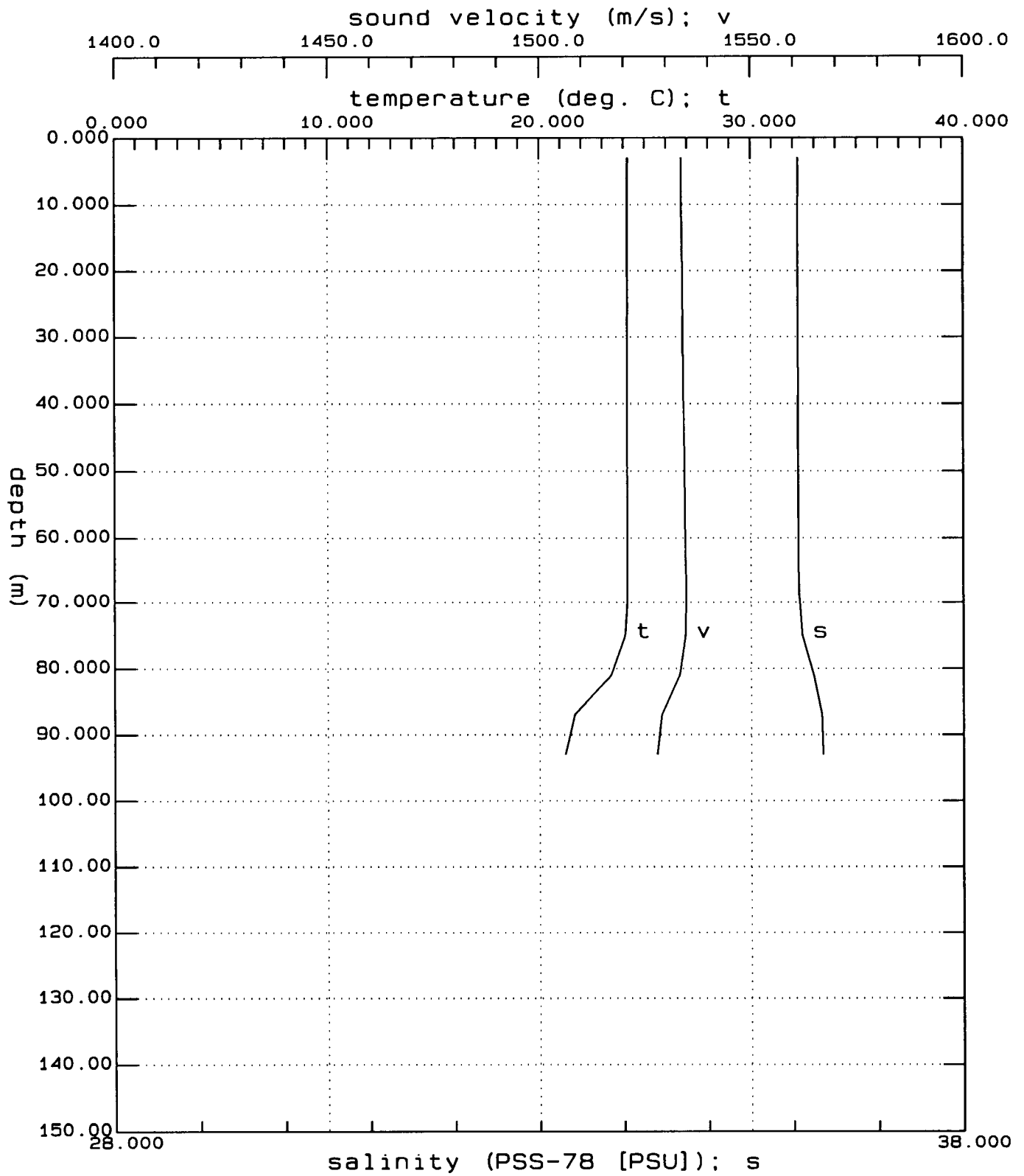
04-031.CNV: Gulfcet Cruise 03



04-033.CNV: Gulfcet Cruise 03

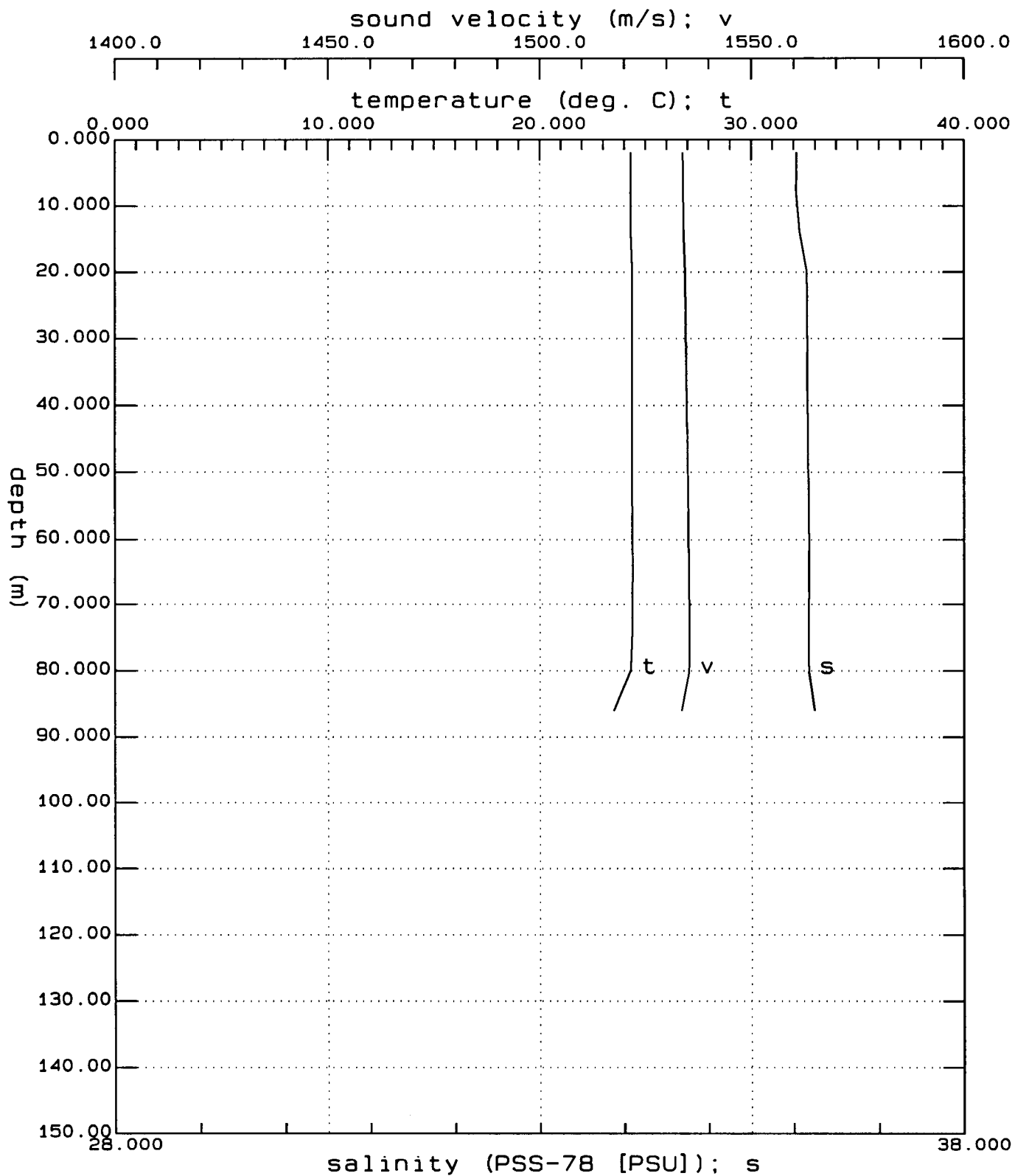


04-036.CNV: Gulfcet Cruise 03

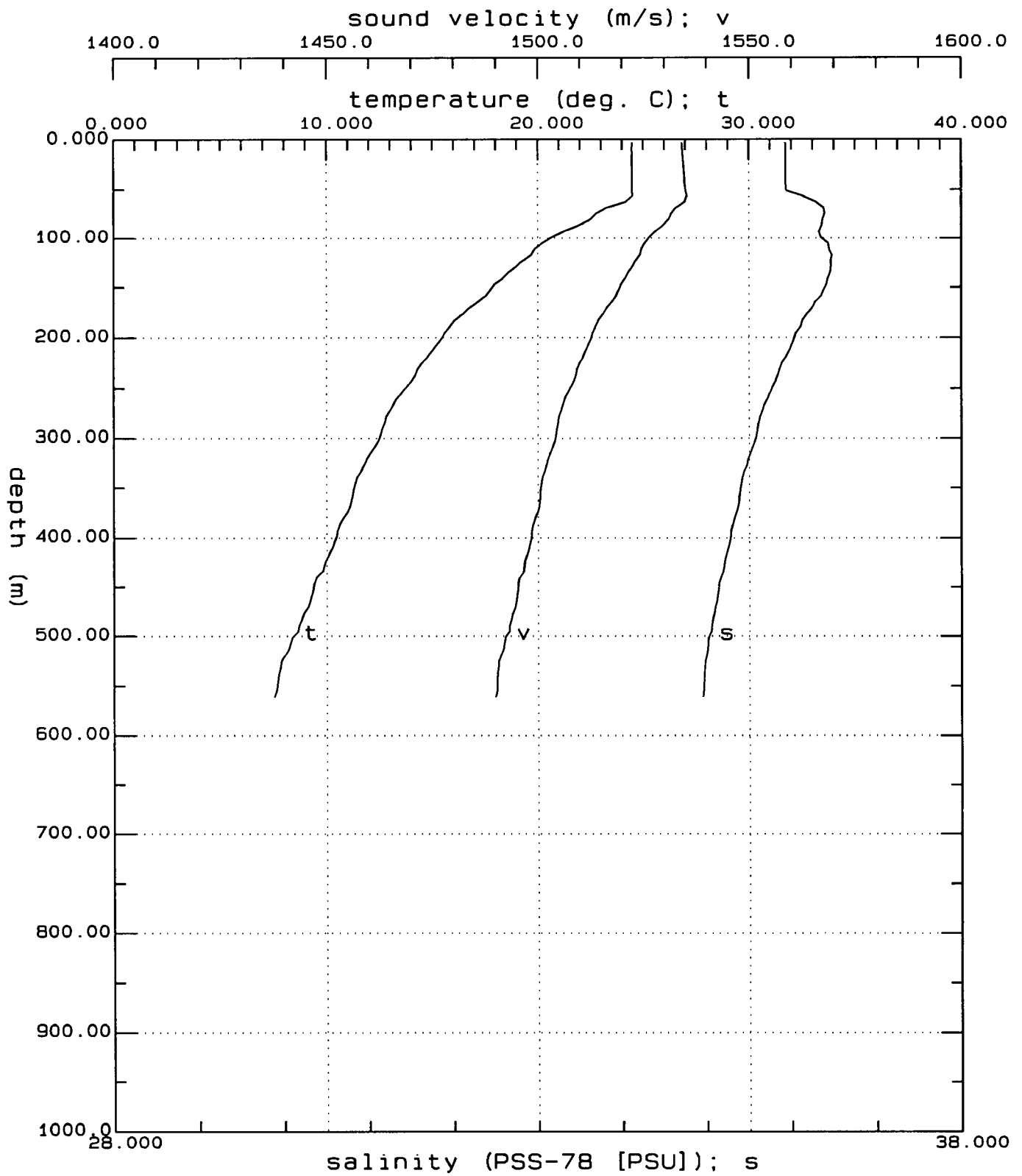


04-042.CNV: Gulfcet Cruise 03

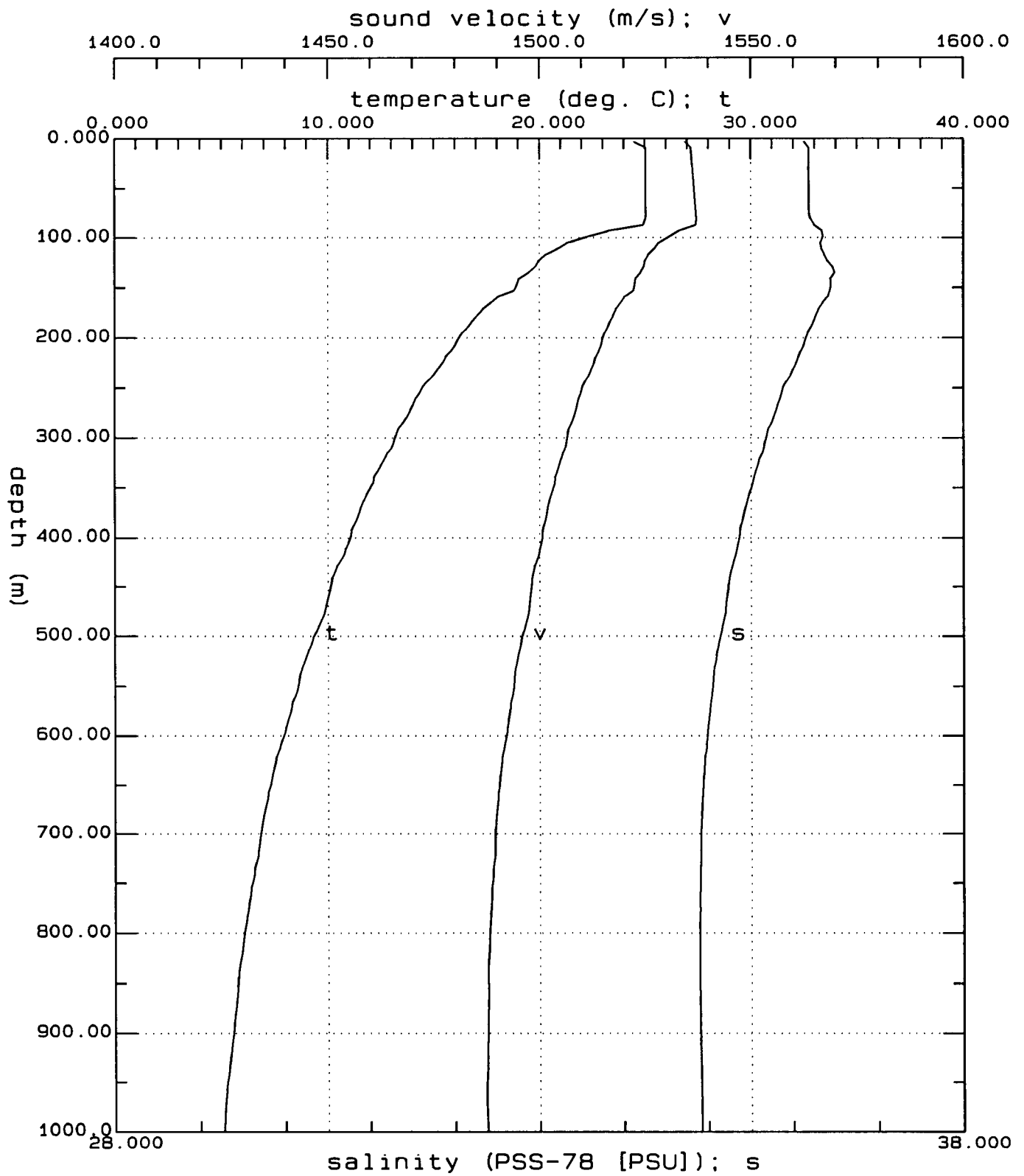




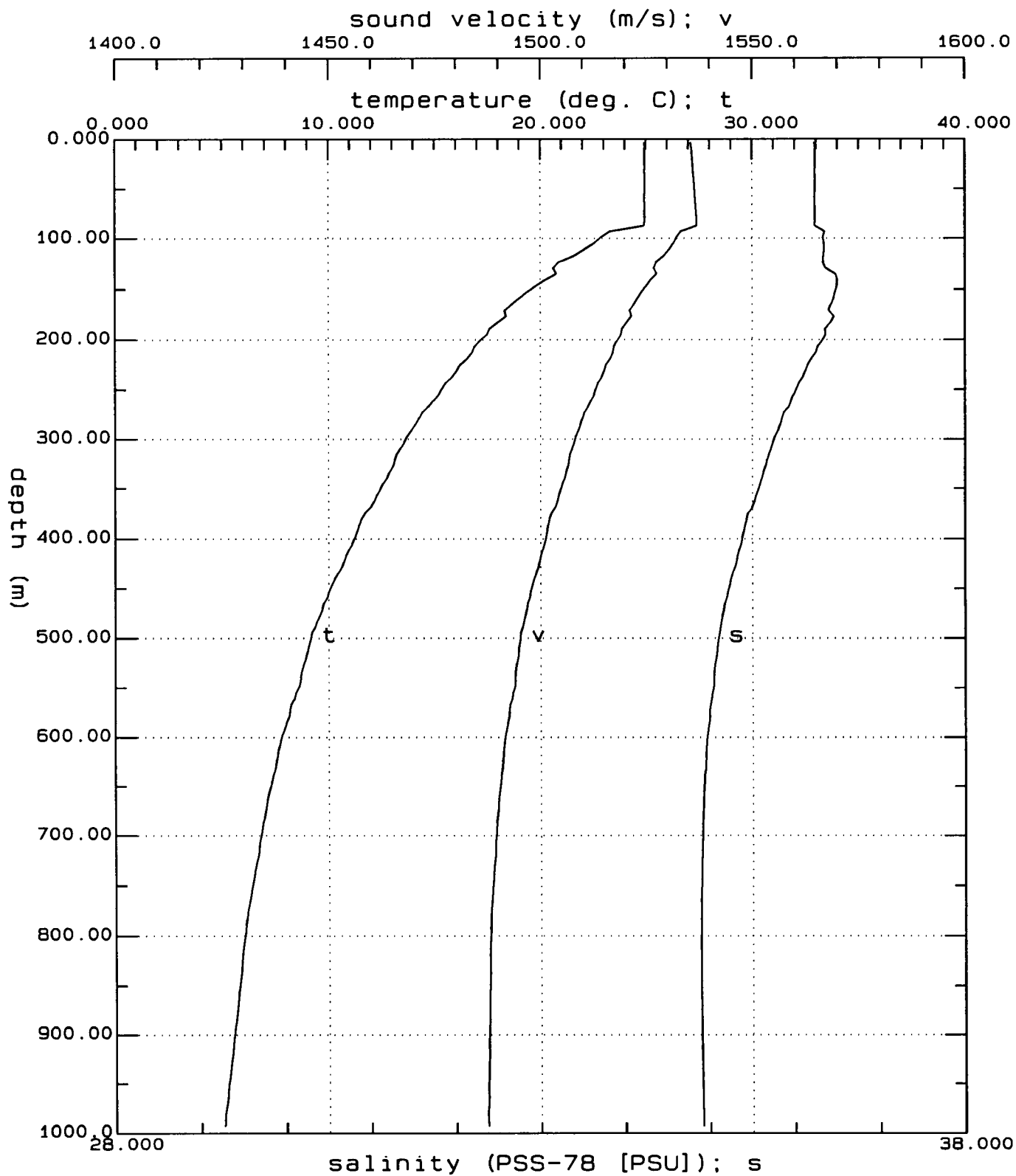
05-043.CNV: Gulfcet Cruise 03



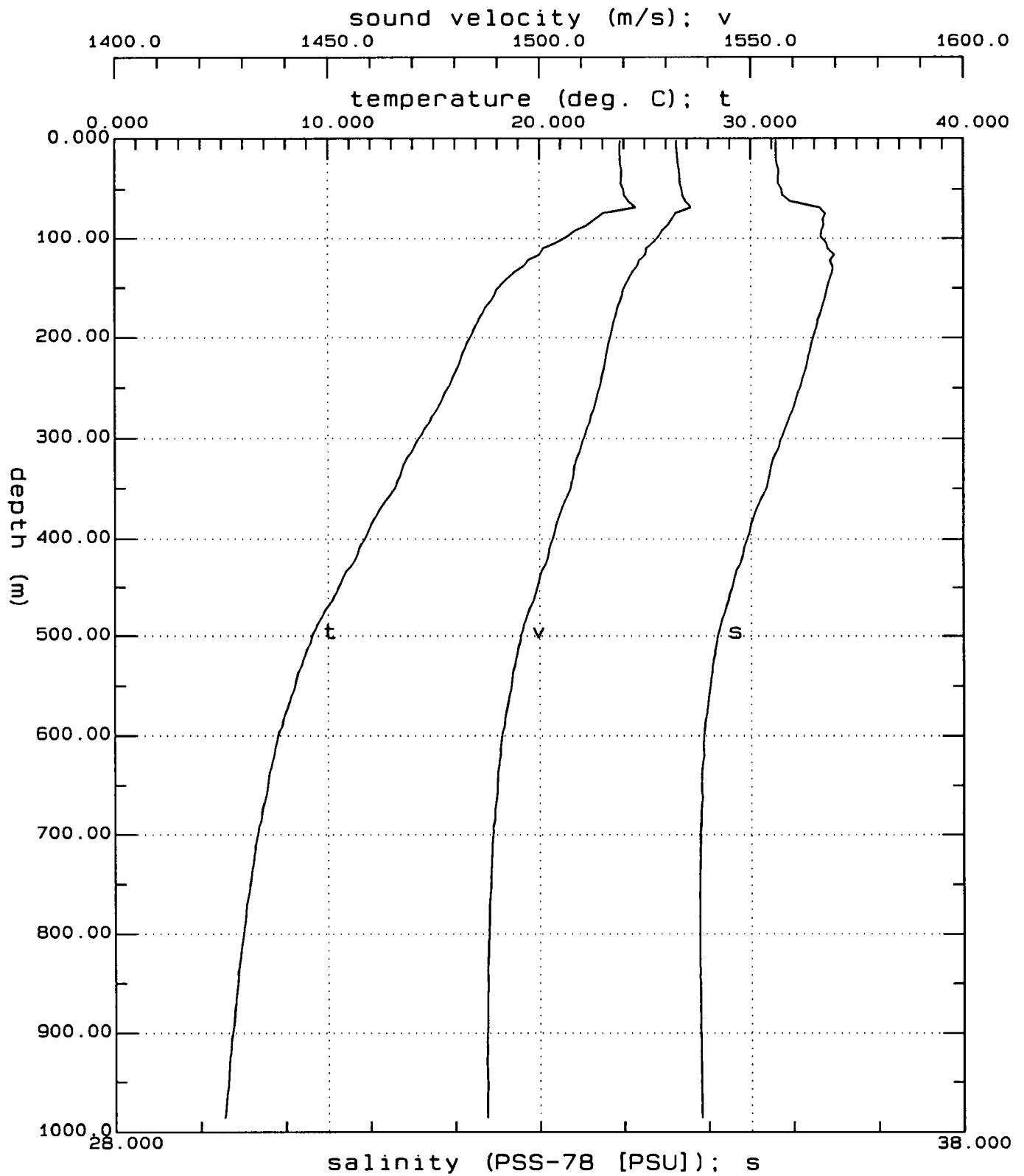
05-047.CNV: Gulfcet Cruise 03



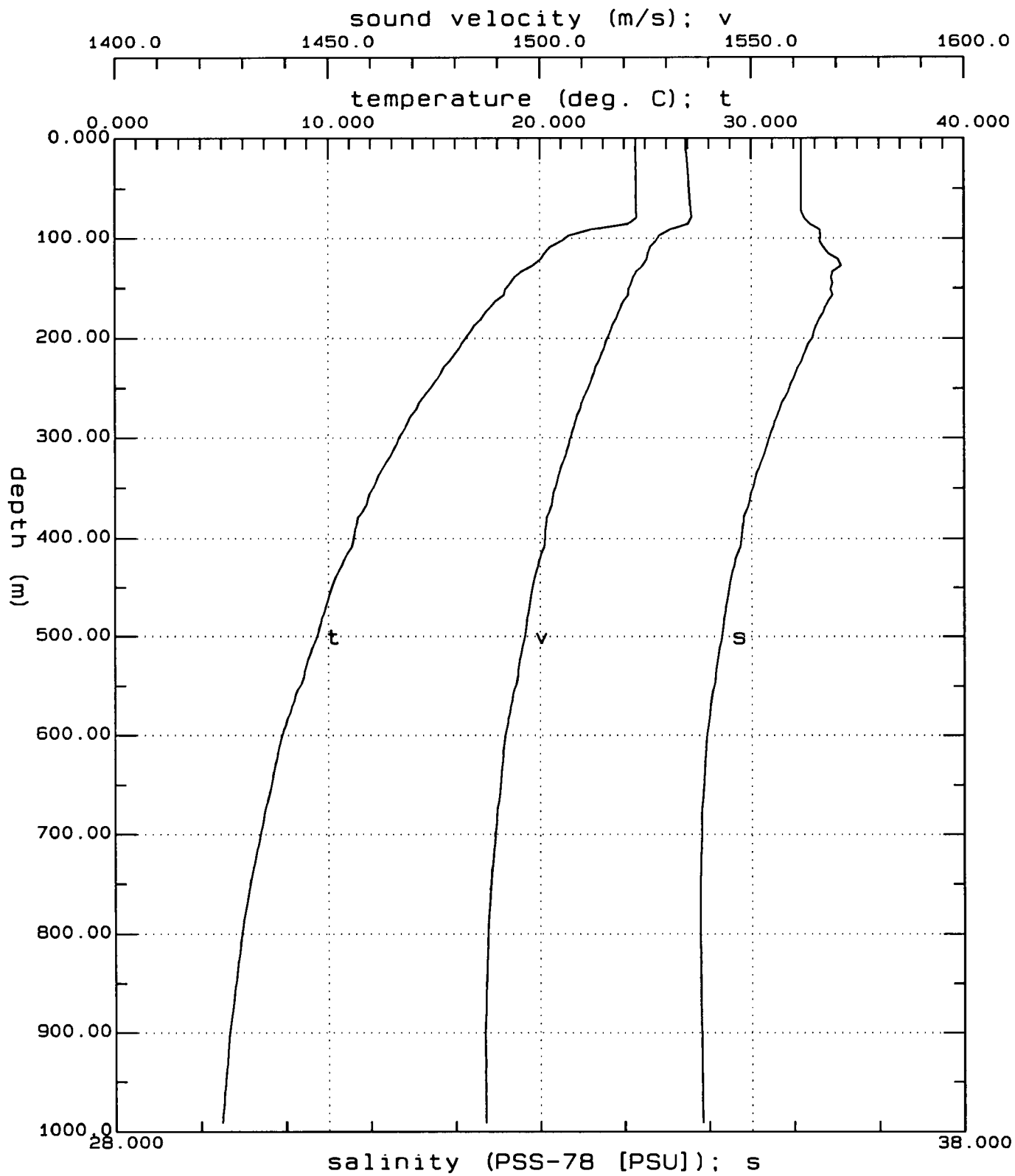
05-050.CNV: Gulfcet Cruise 03



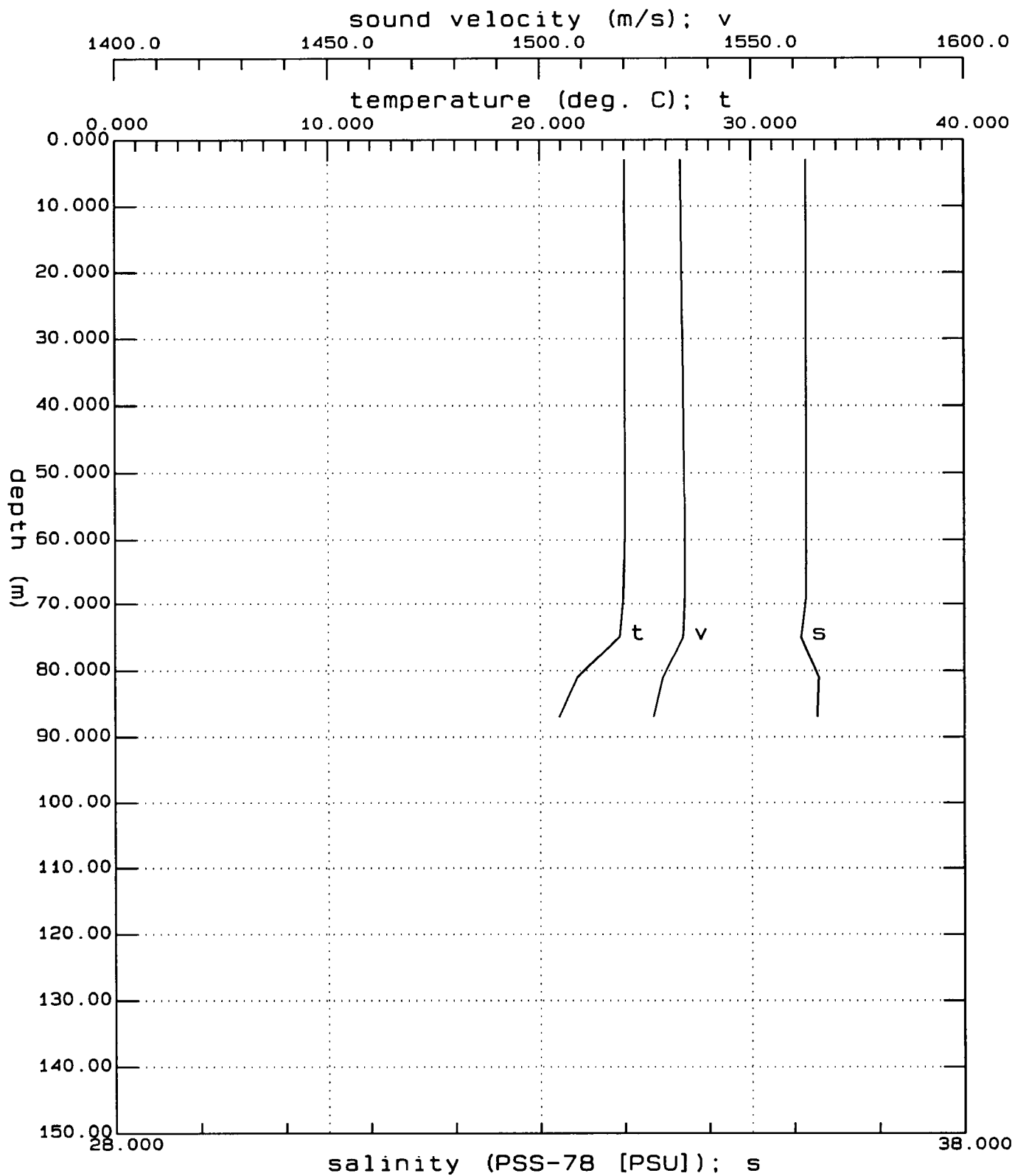
05-053.CNV: Gulfcet Cruise 03



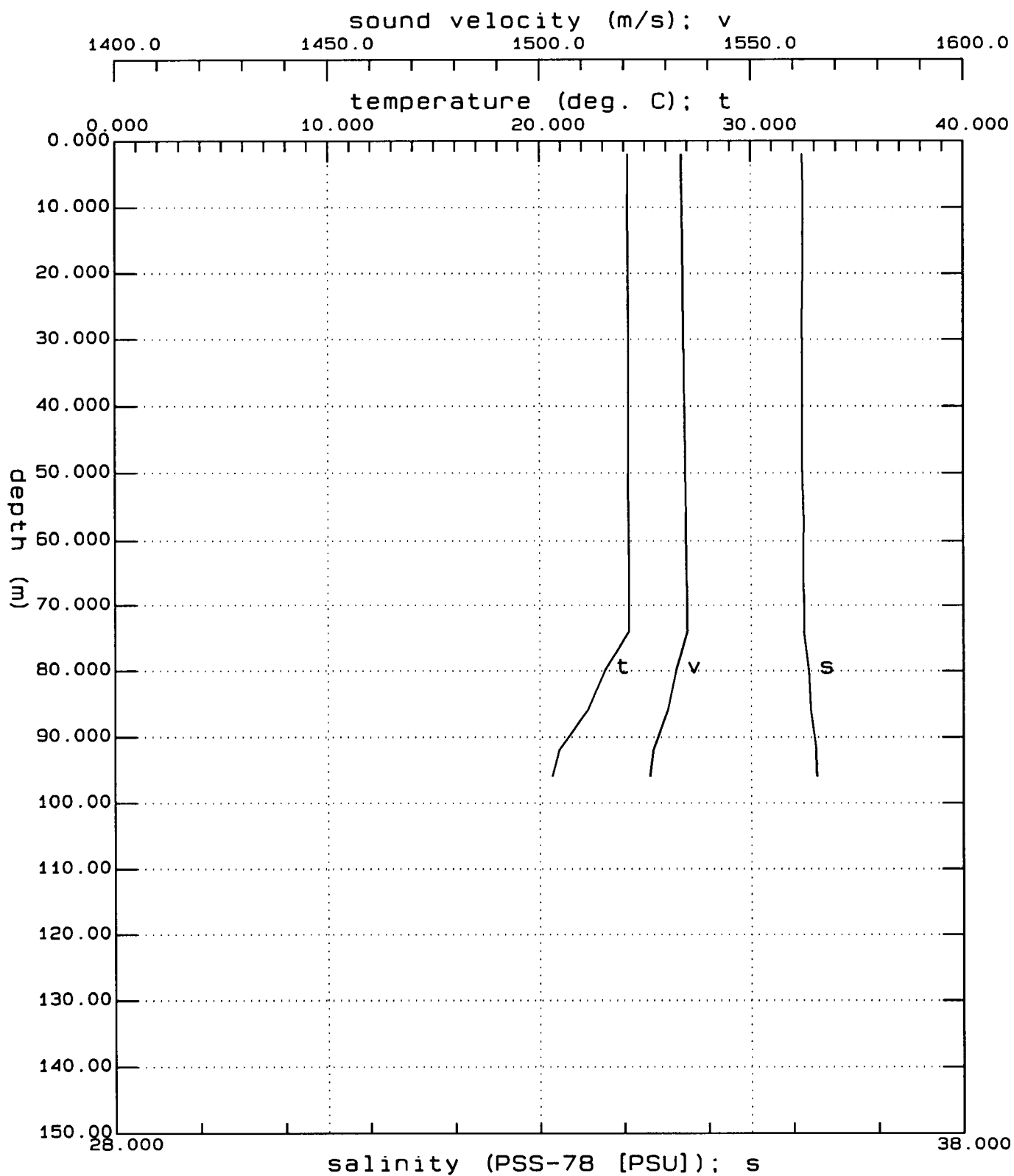
06-054.CNV: Gulfcet Cruise 03



06-055.CNV: Gulfcet Cruise 03

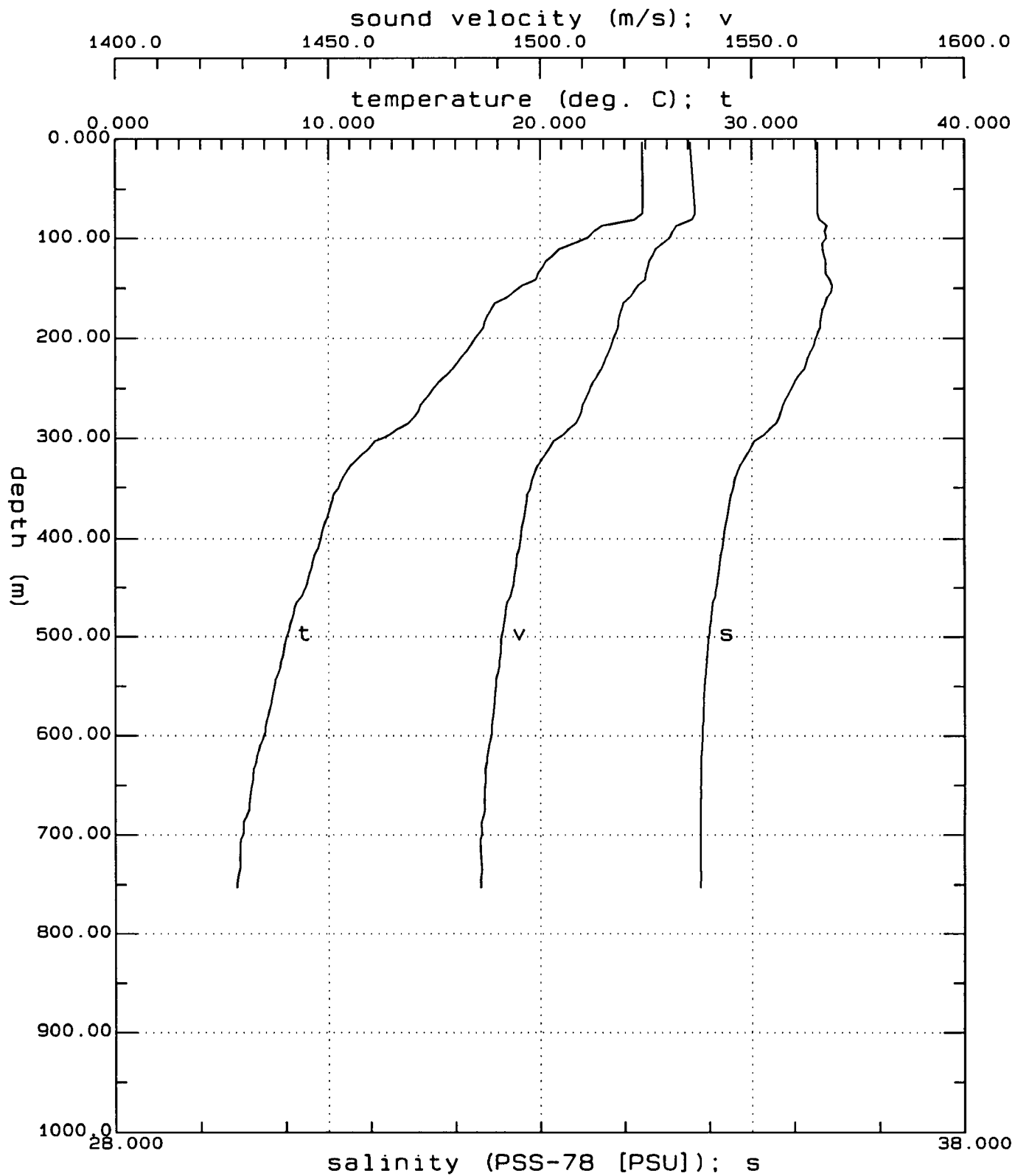


06-064.CNV: Gulfcet Cruise 03

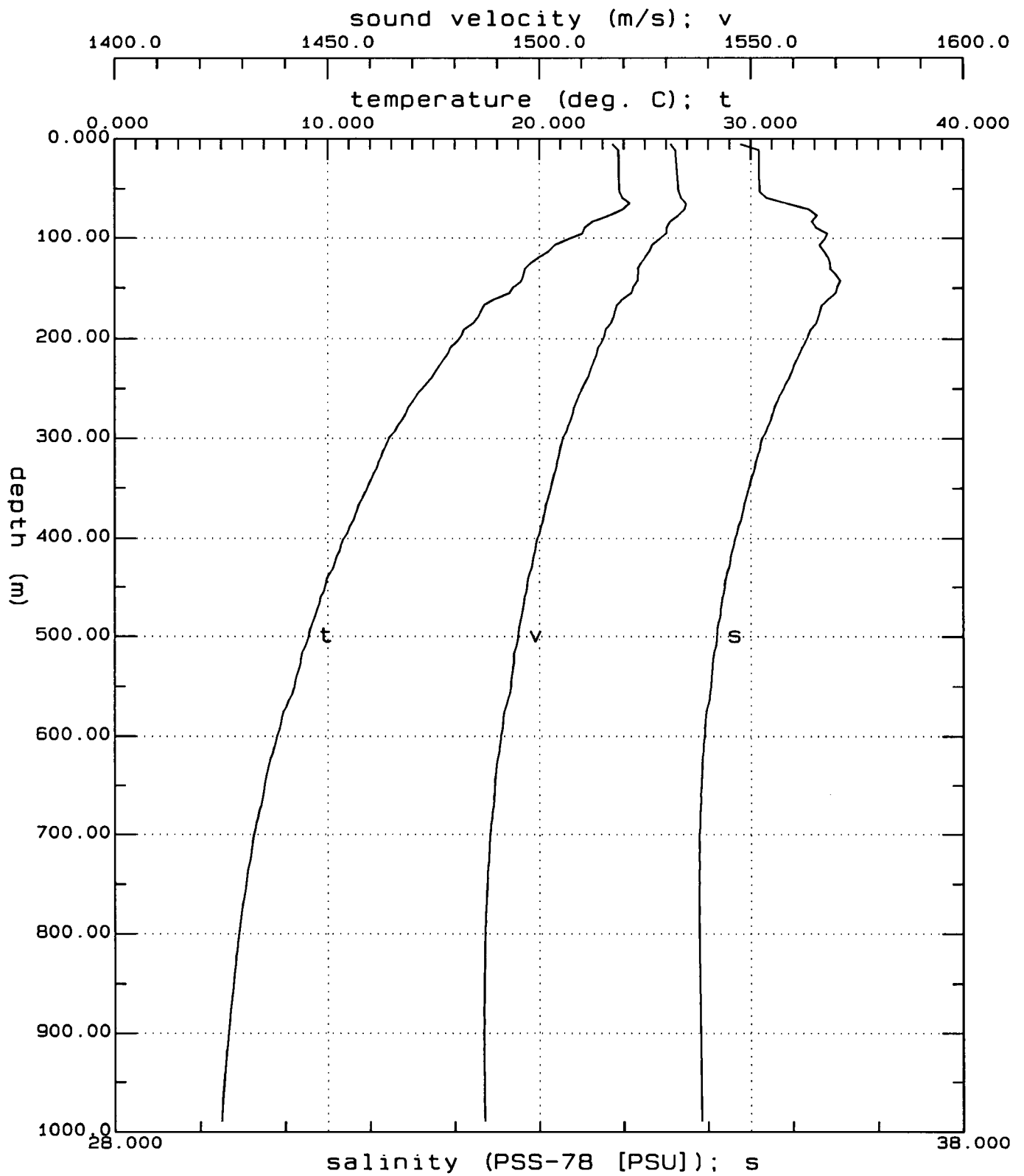


07-065.CNV: Gulfcet Cruise 03

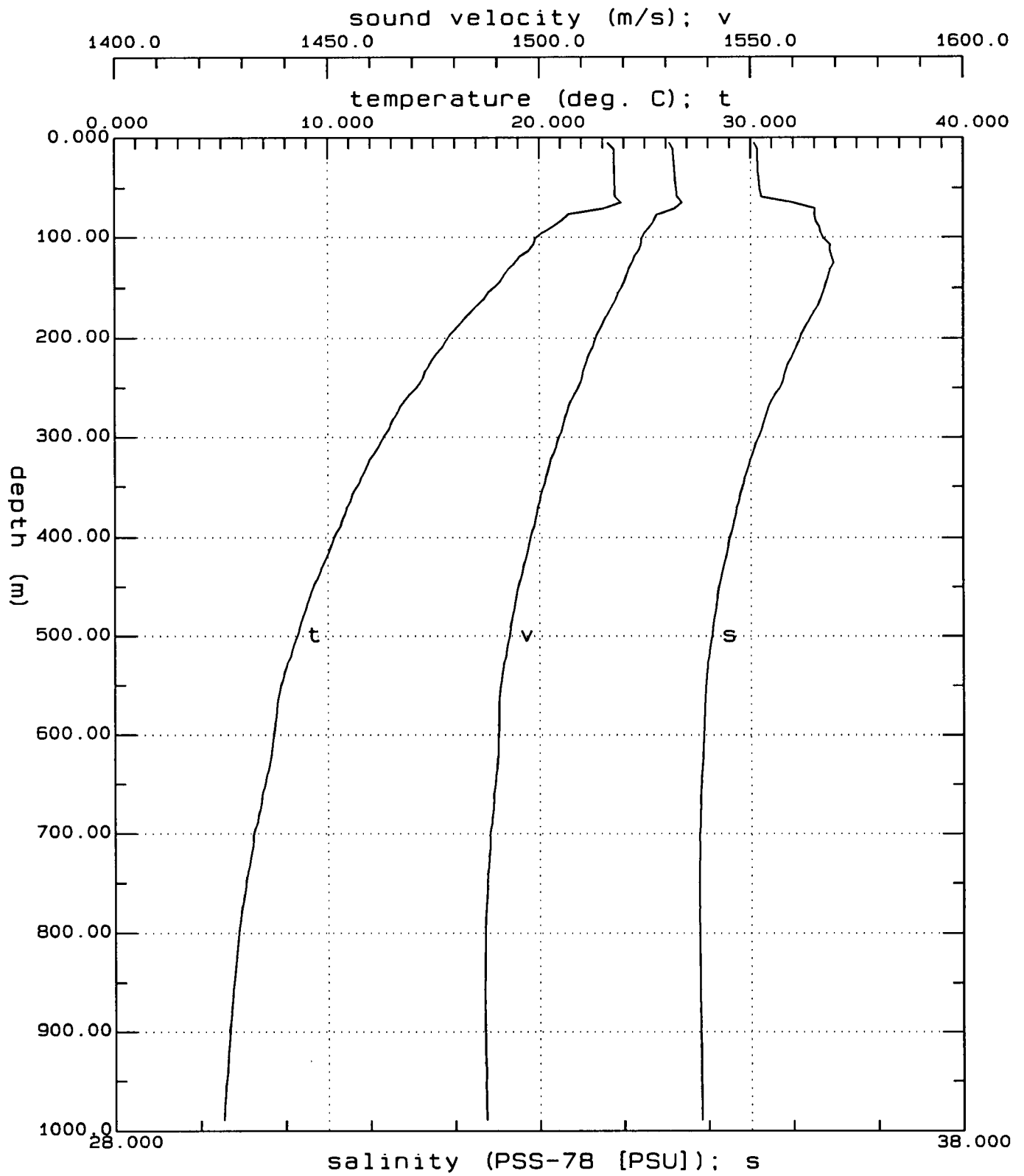




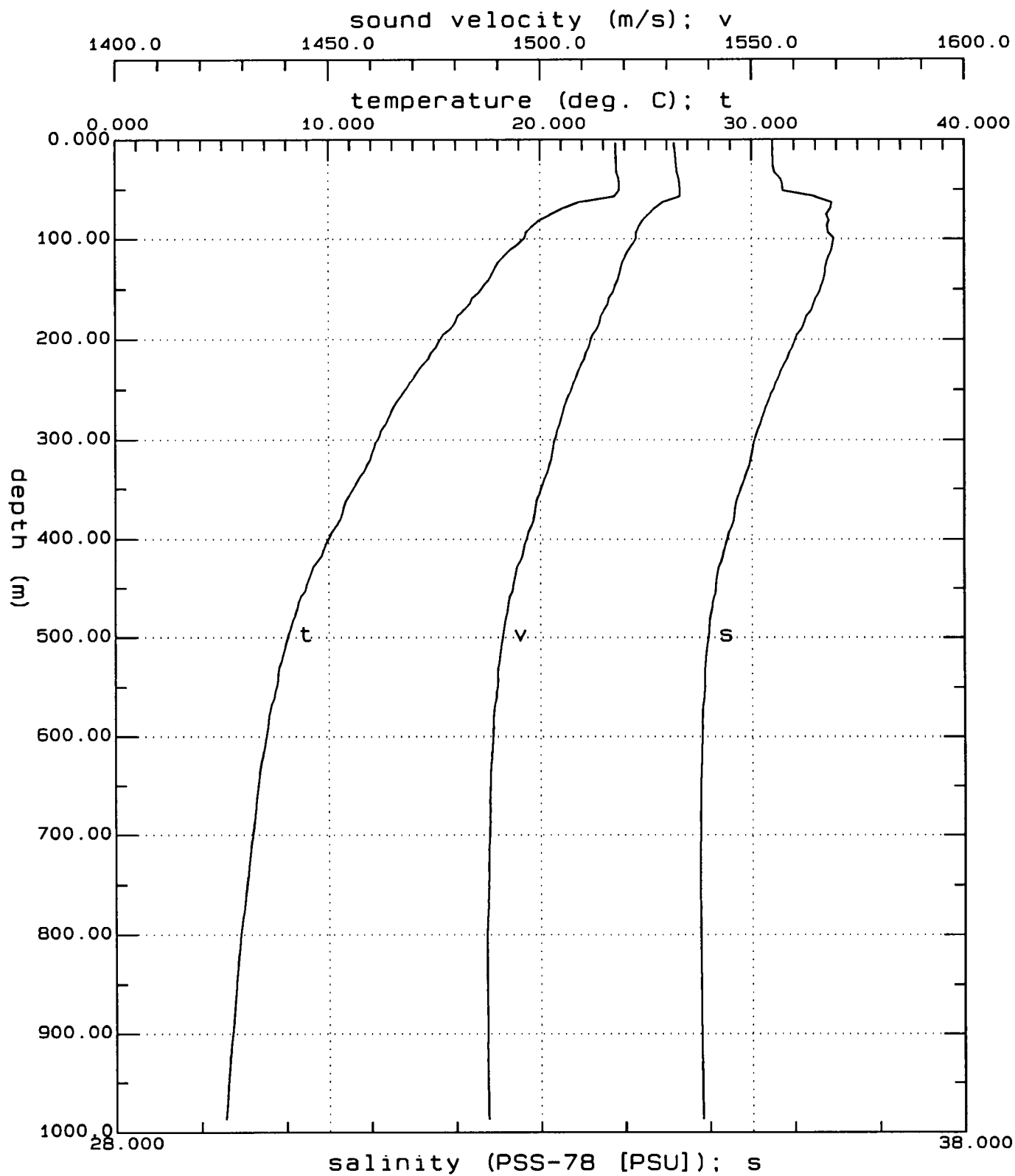
07-071.CNV: Gulfcet Cruise 03



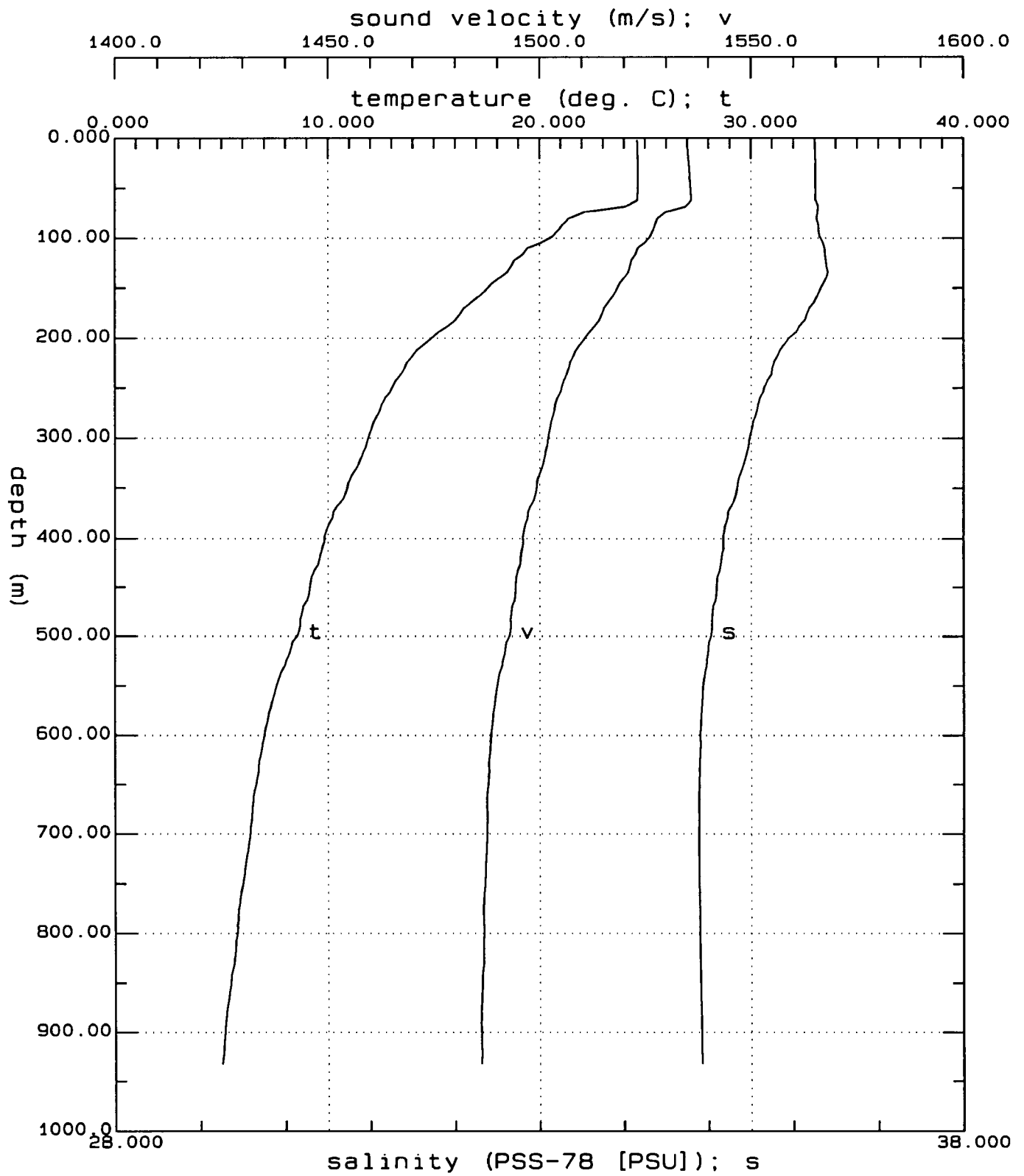
07-073.CNV: Gulfcet Cruise 03



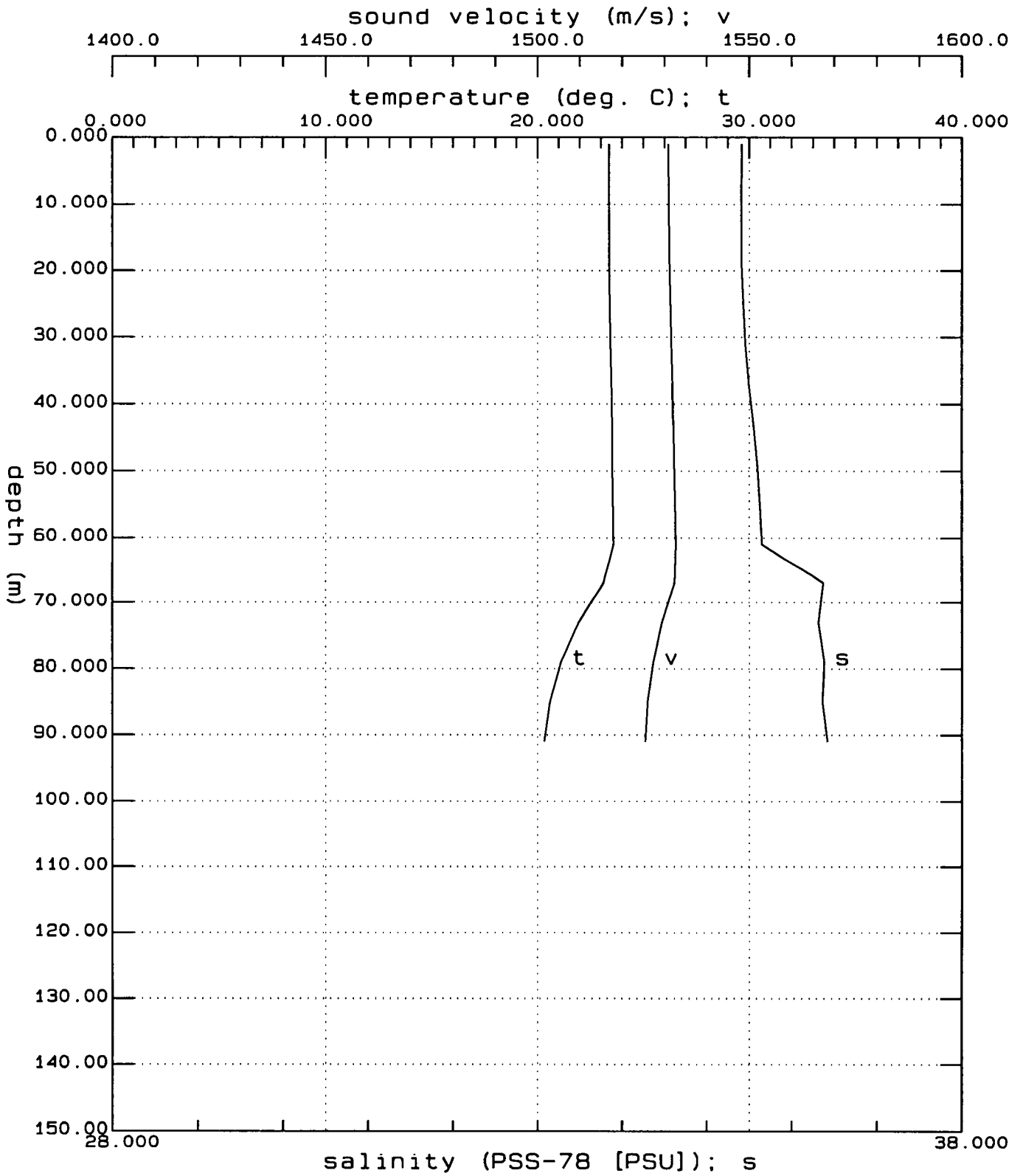
07-075.CNV: Gulfcet Cruise 03



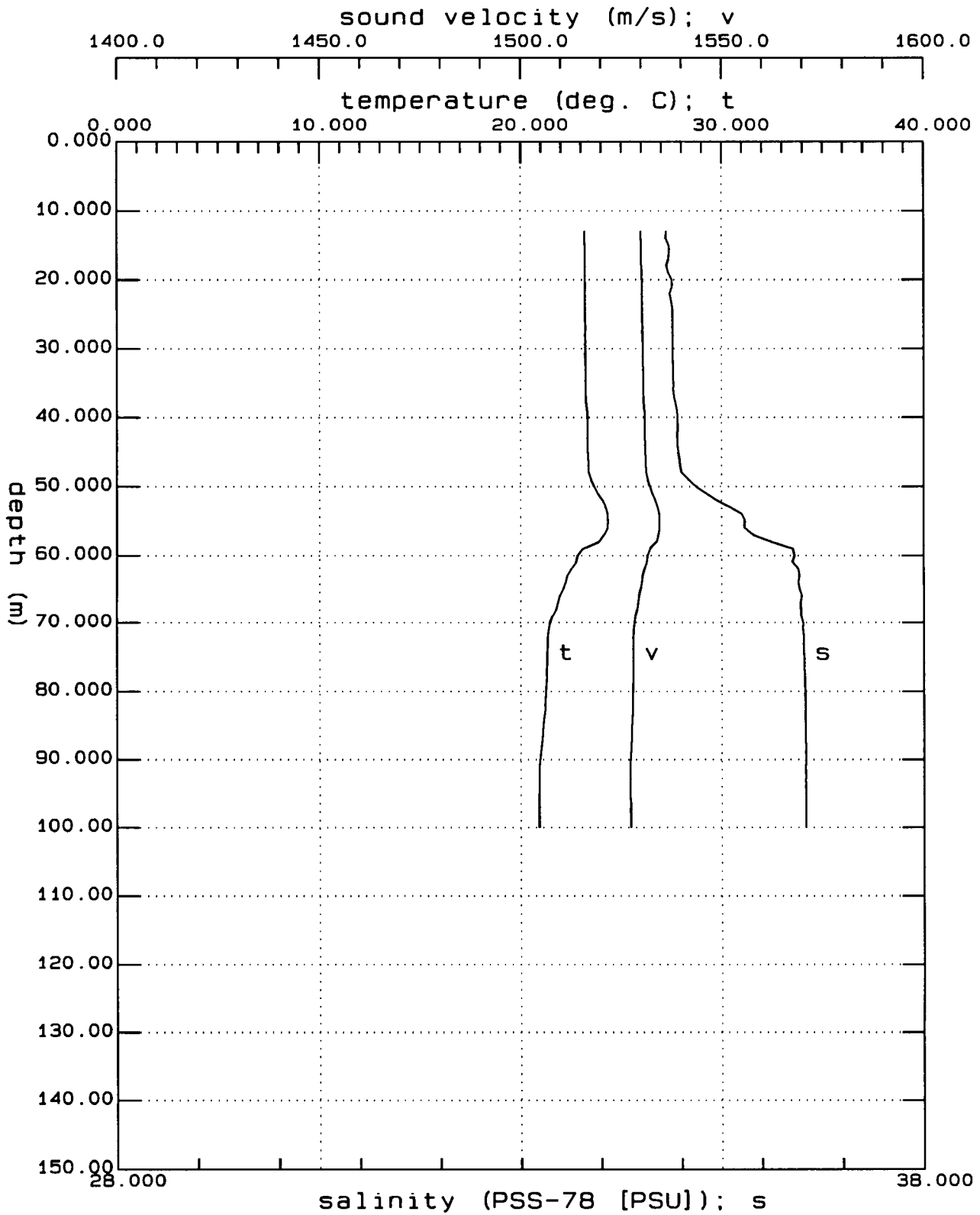
08-076.CNV: Gulfcet Cruise 03



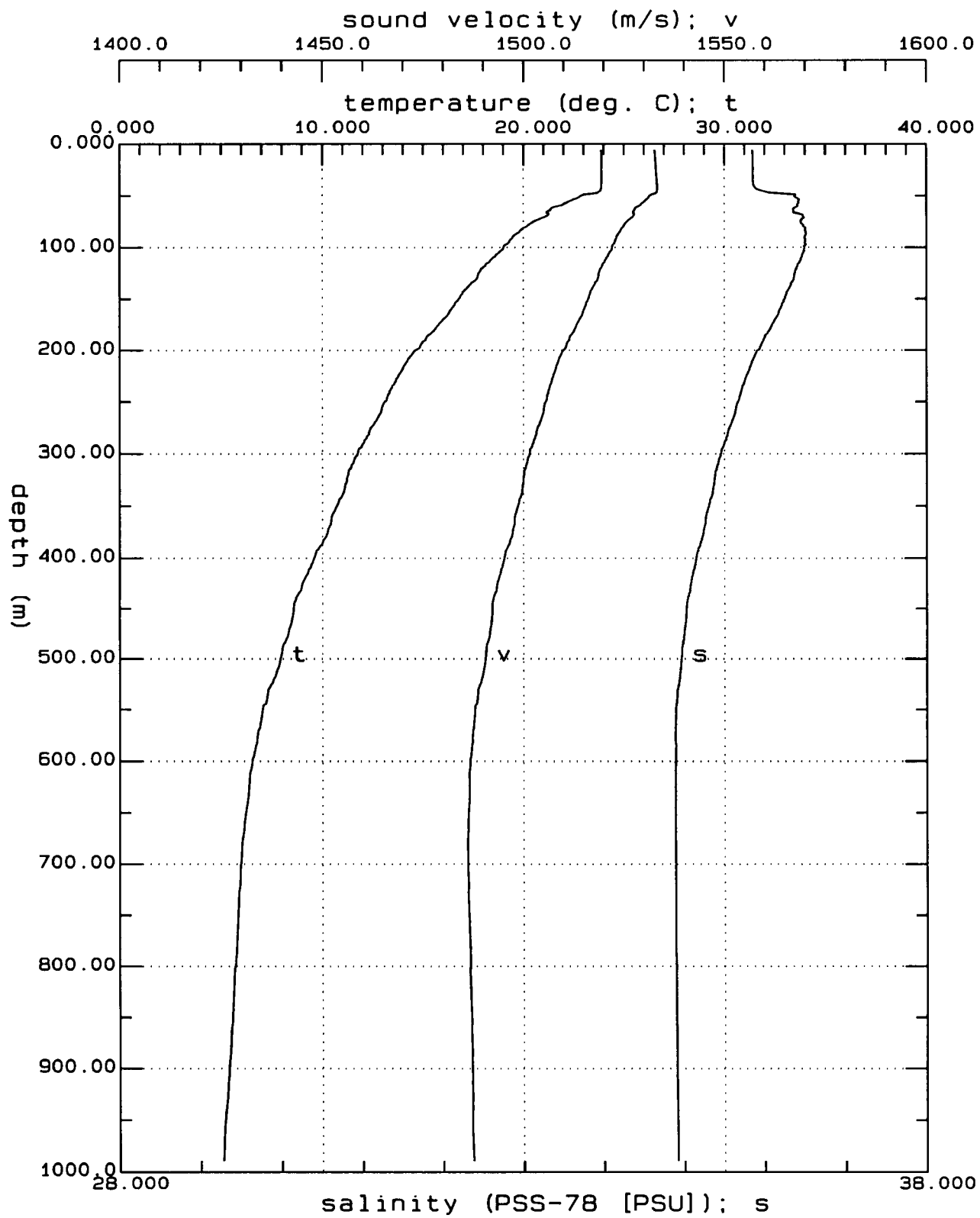
08-080.CNV: Gulfcet Cruise 03



08-086.CNV: Gulfcet Cruise 03

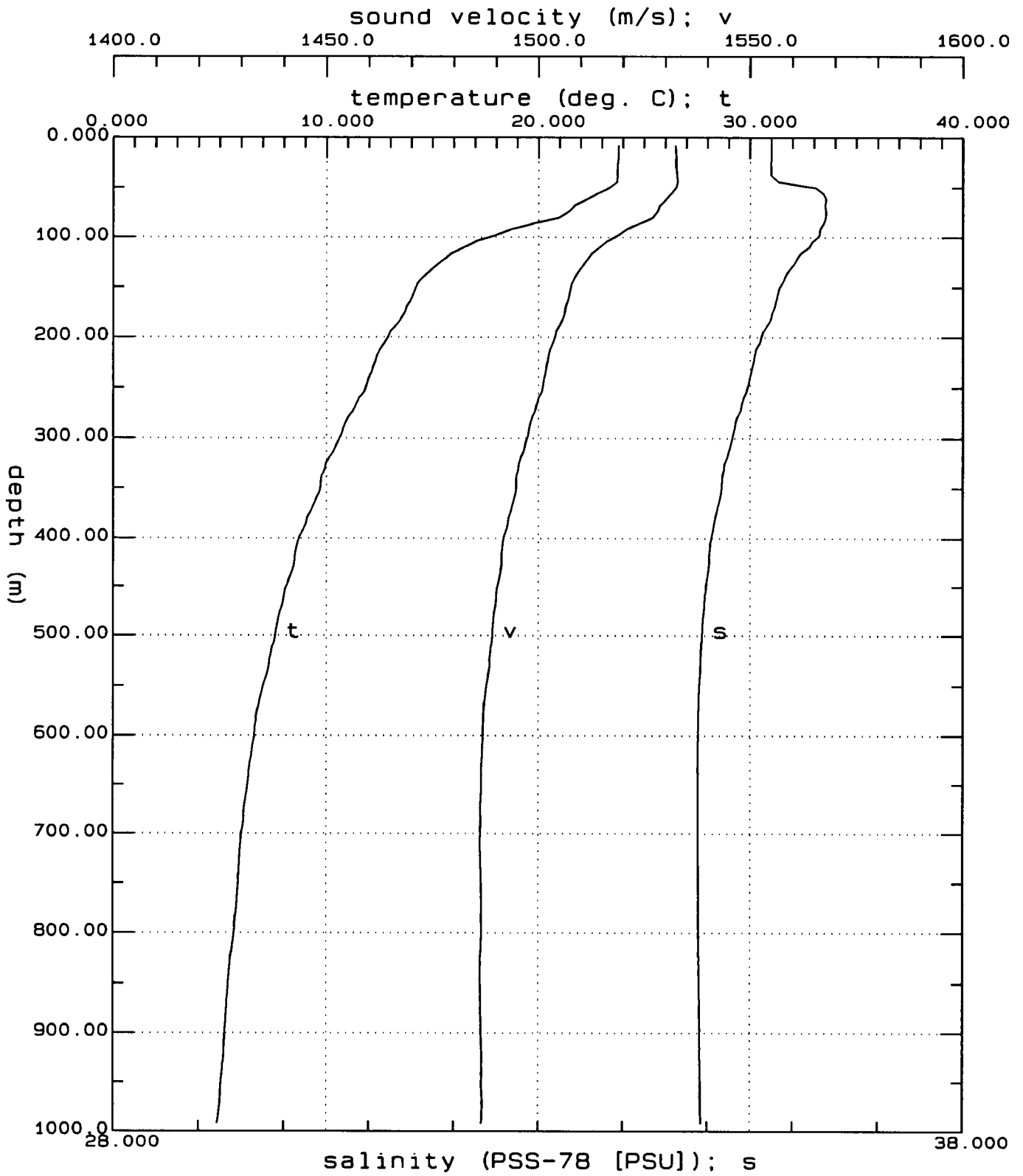


09-087.CNV: Gulfcet Cruise 03

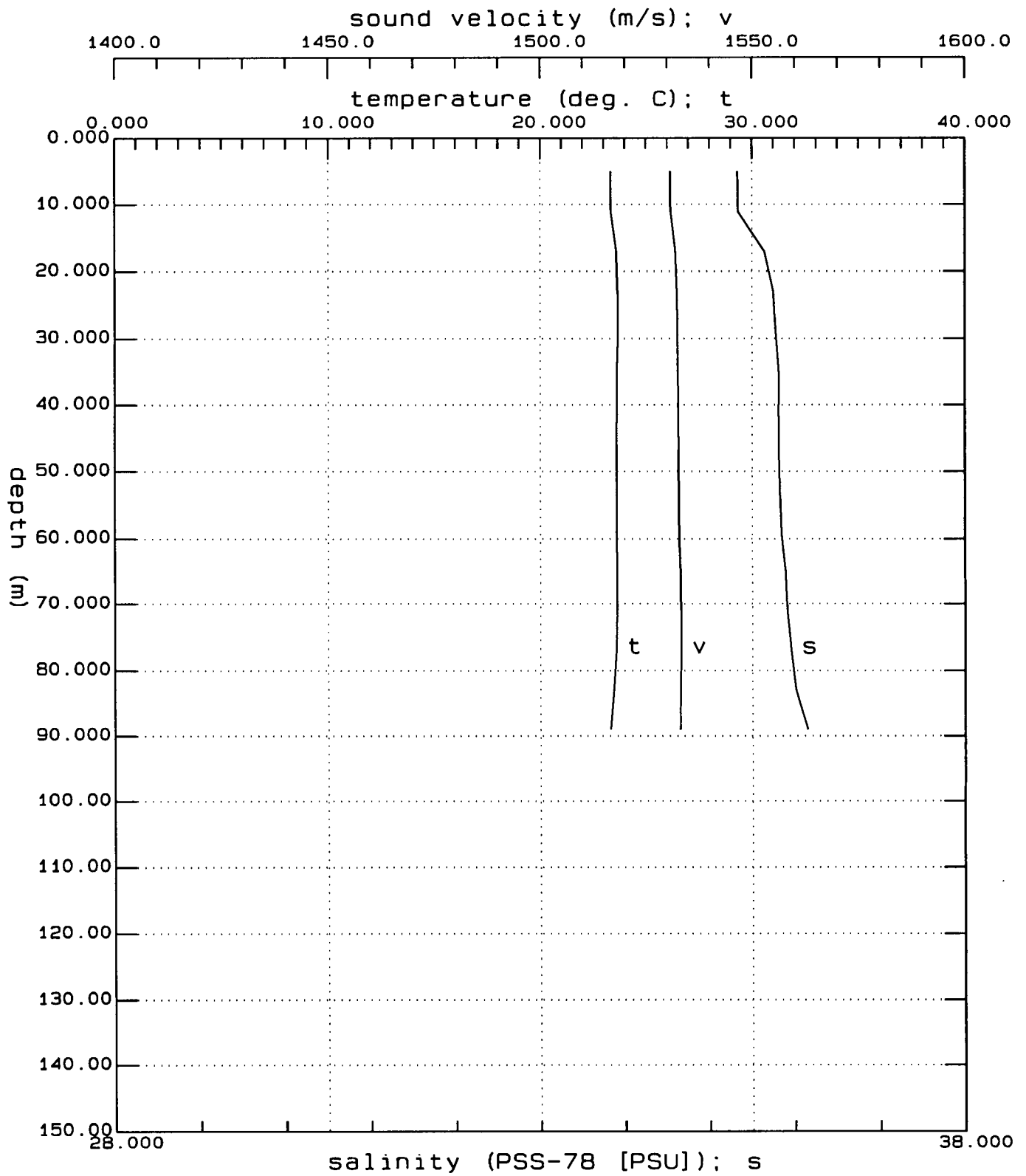


09-093.CNV: Gulfcet Cruise 03

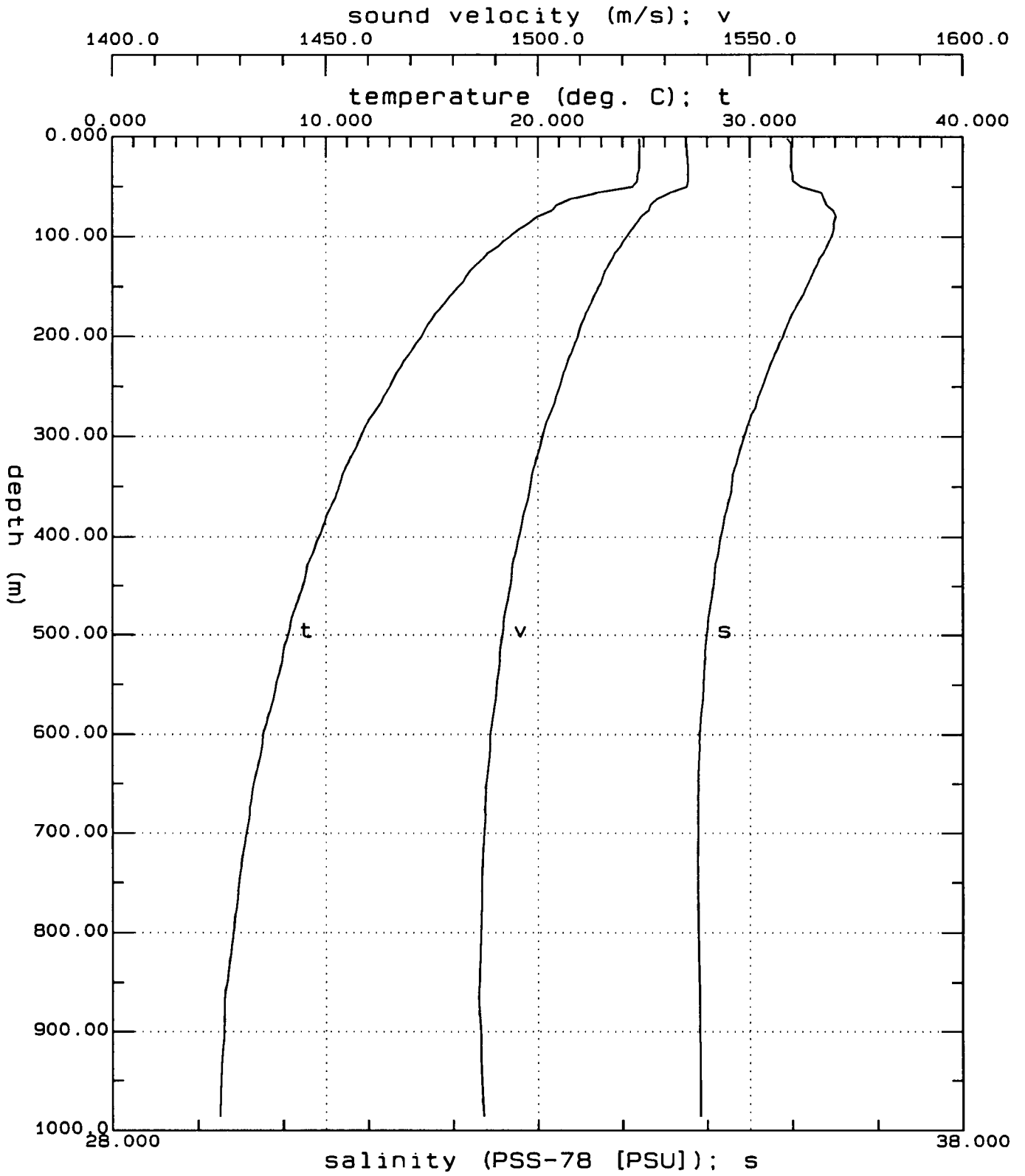




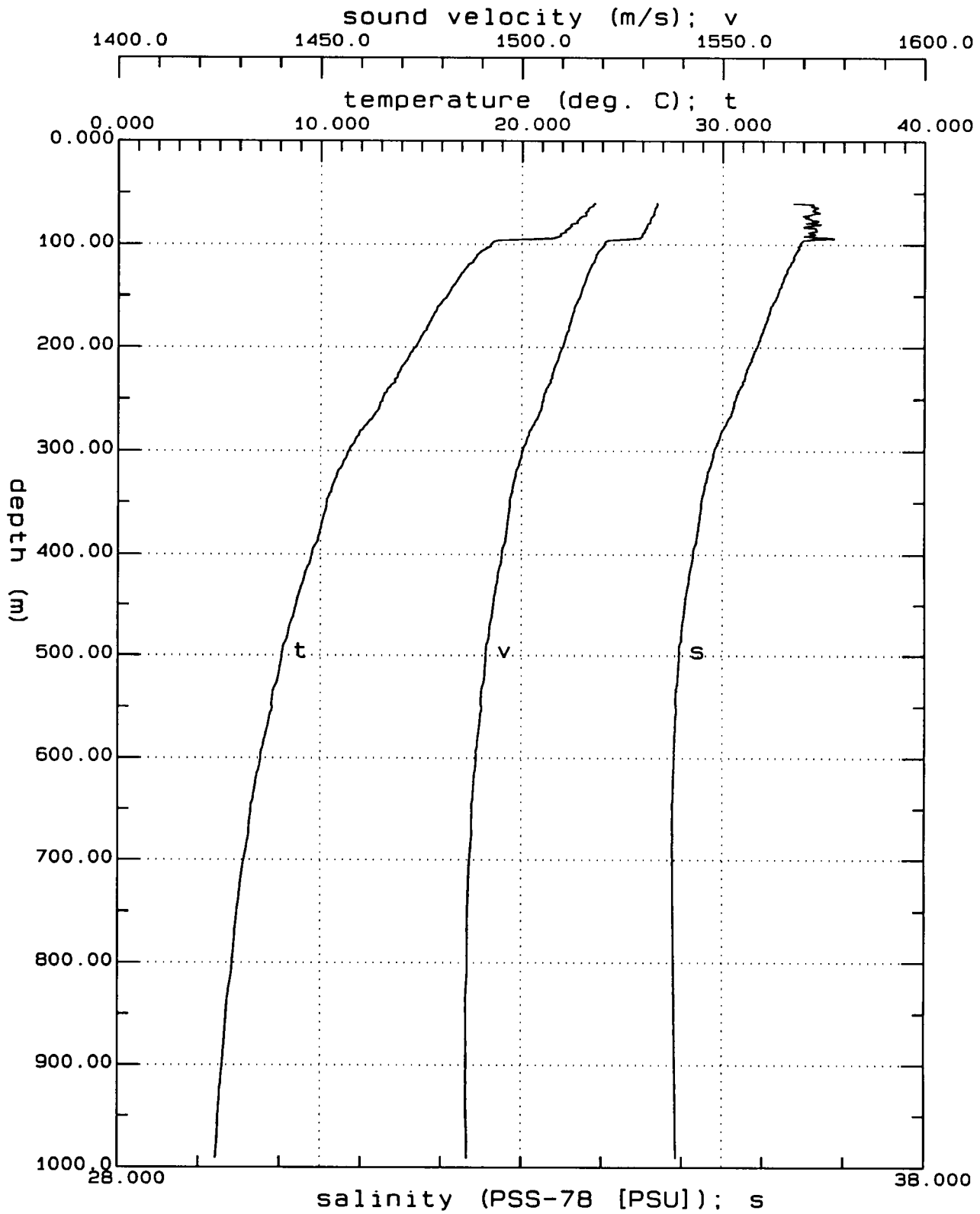
09-096.CNV: Gulfcet Cruise 03



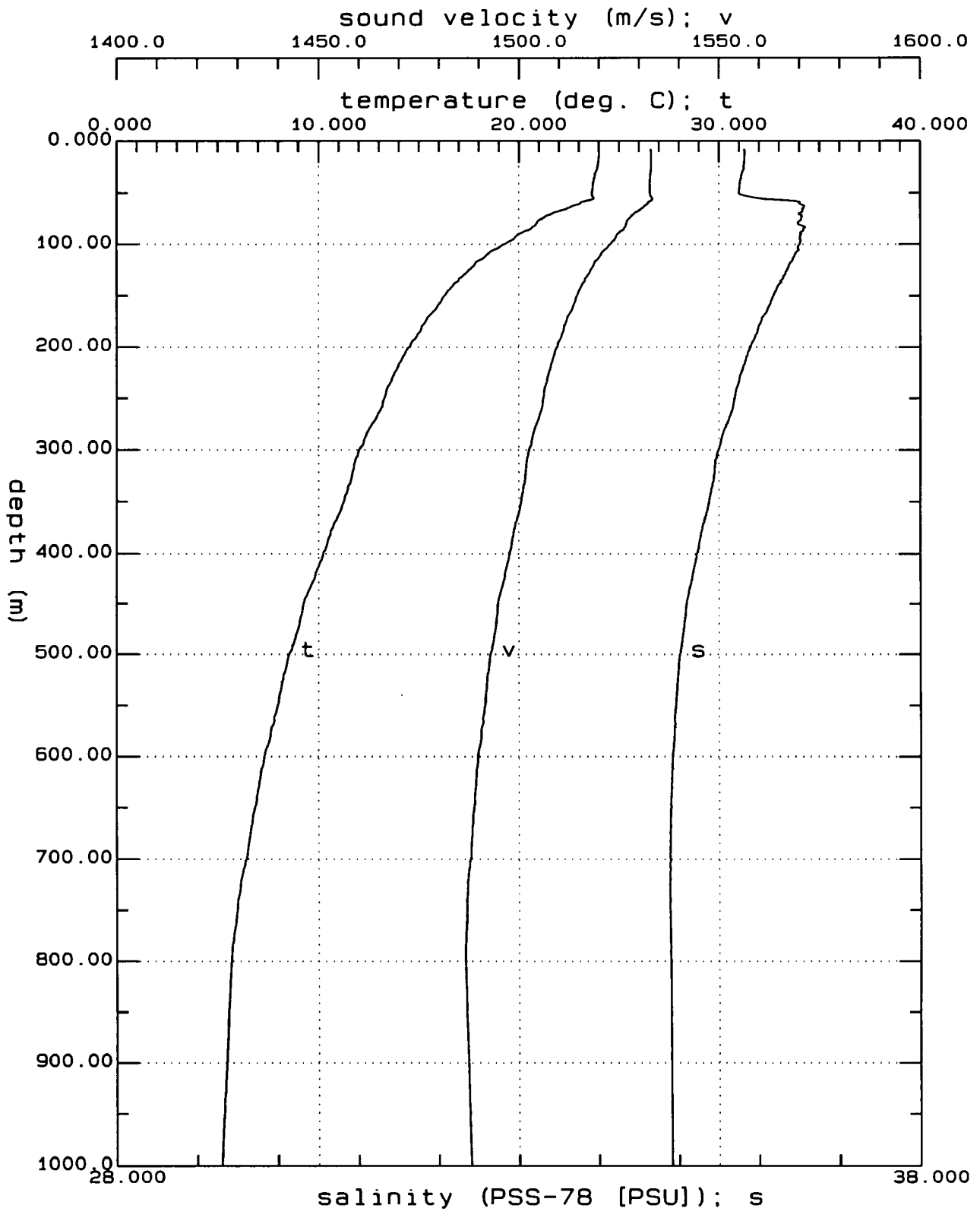
11-106.CNV: Gulfcet Cruise 03



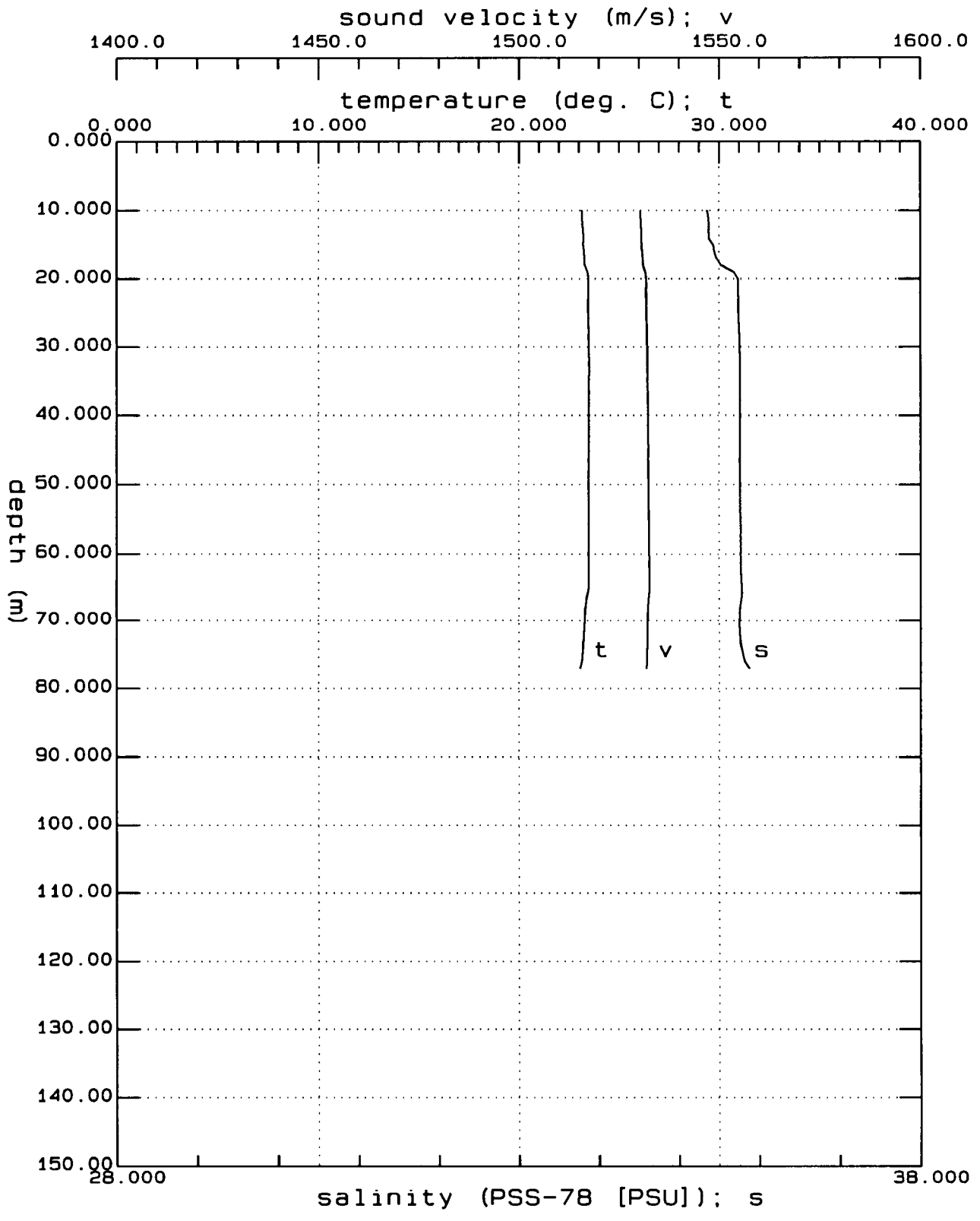
11-112.CNV: Gulfcet Cruise 03



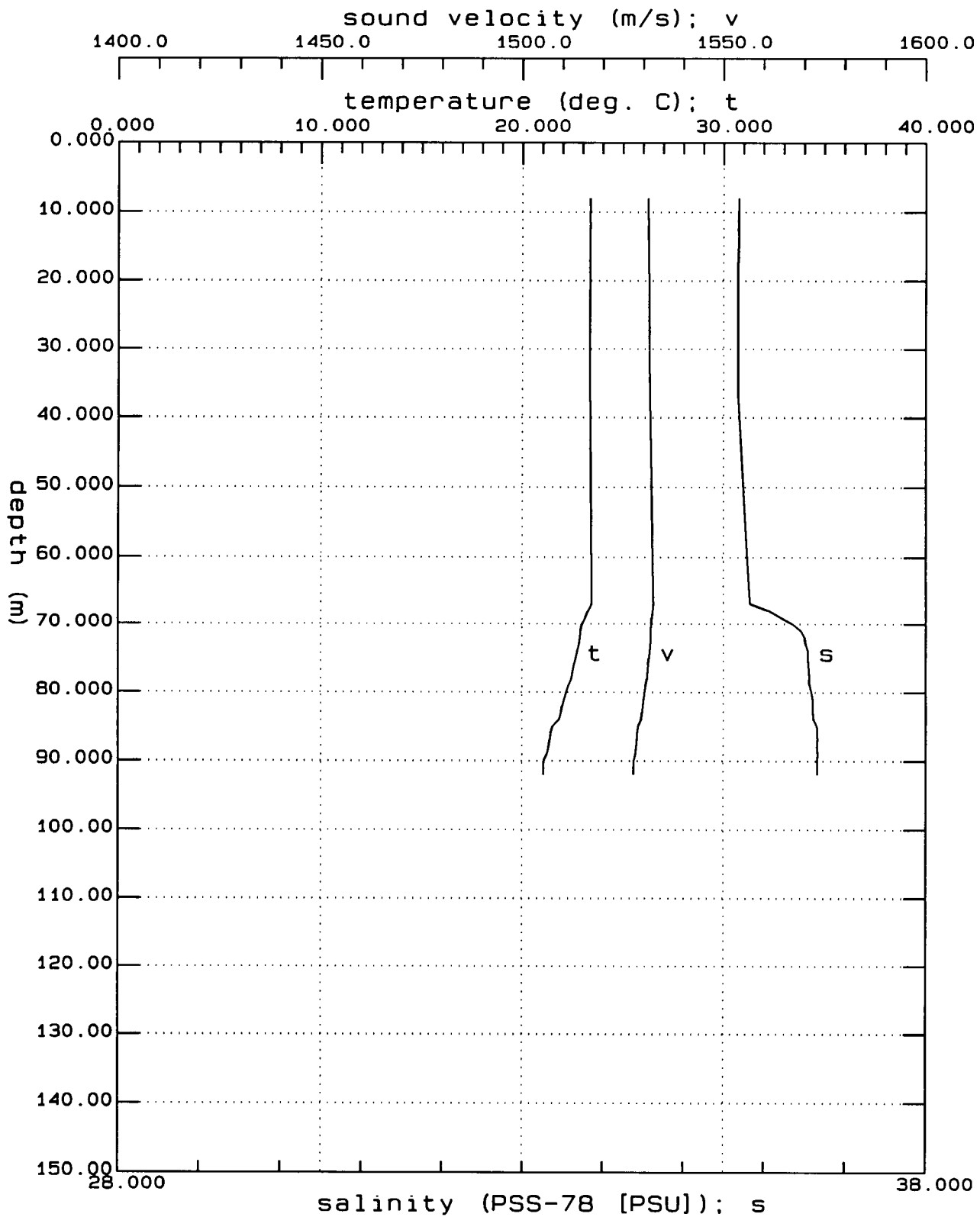
12-117.CNV: Gulfcet Cruise 03



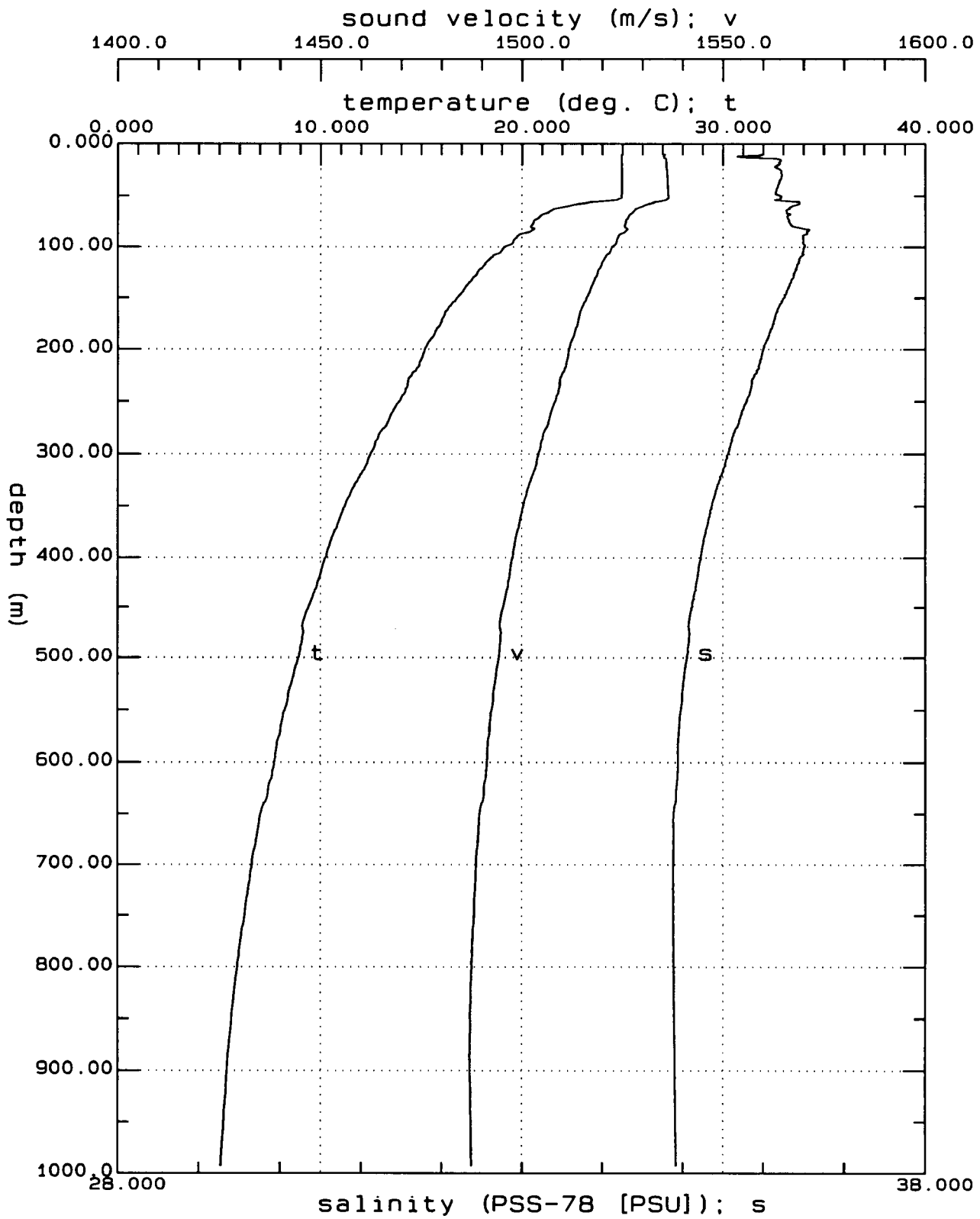
12-119.CNV: Gulfcet Cruise 03



12-125.CNV: Gulfcet Cruise 03

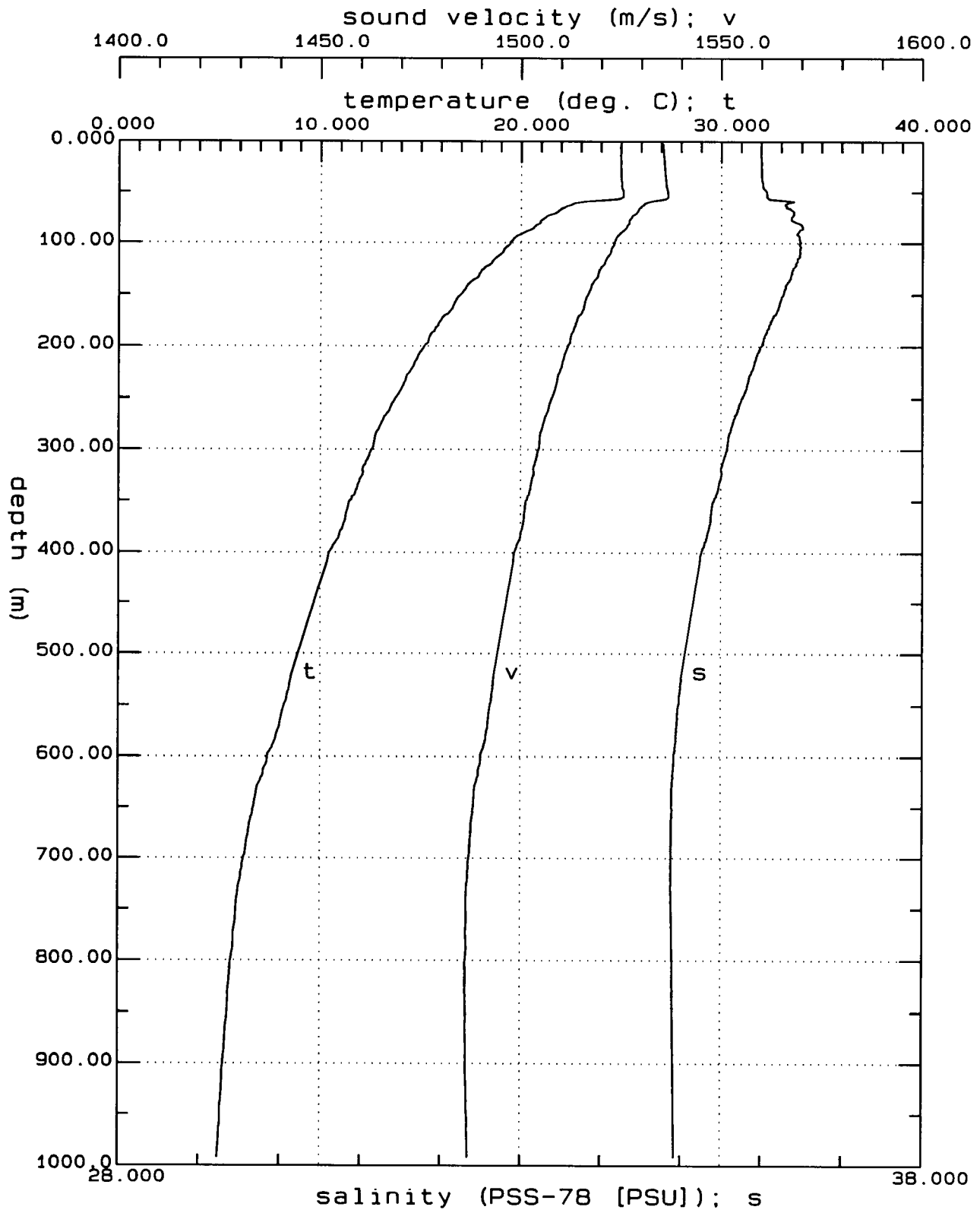


13-126.CNV: Gulfcet Cruise 03

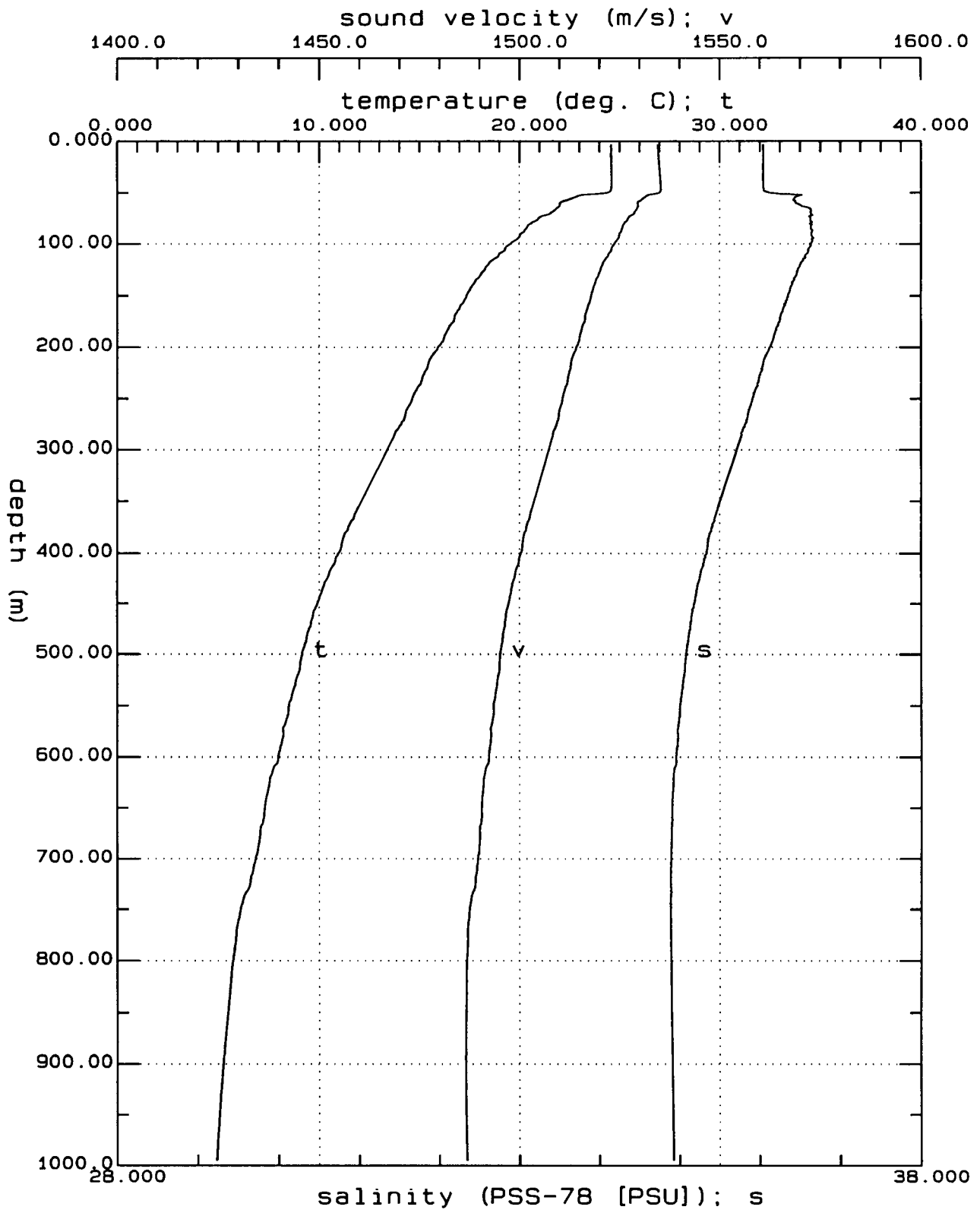


13-133.CNV: Gulfcet Cruise 03

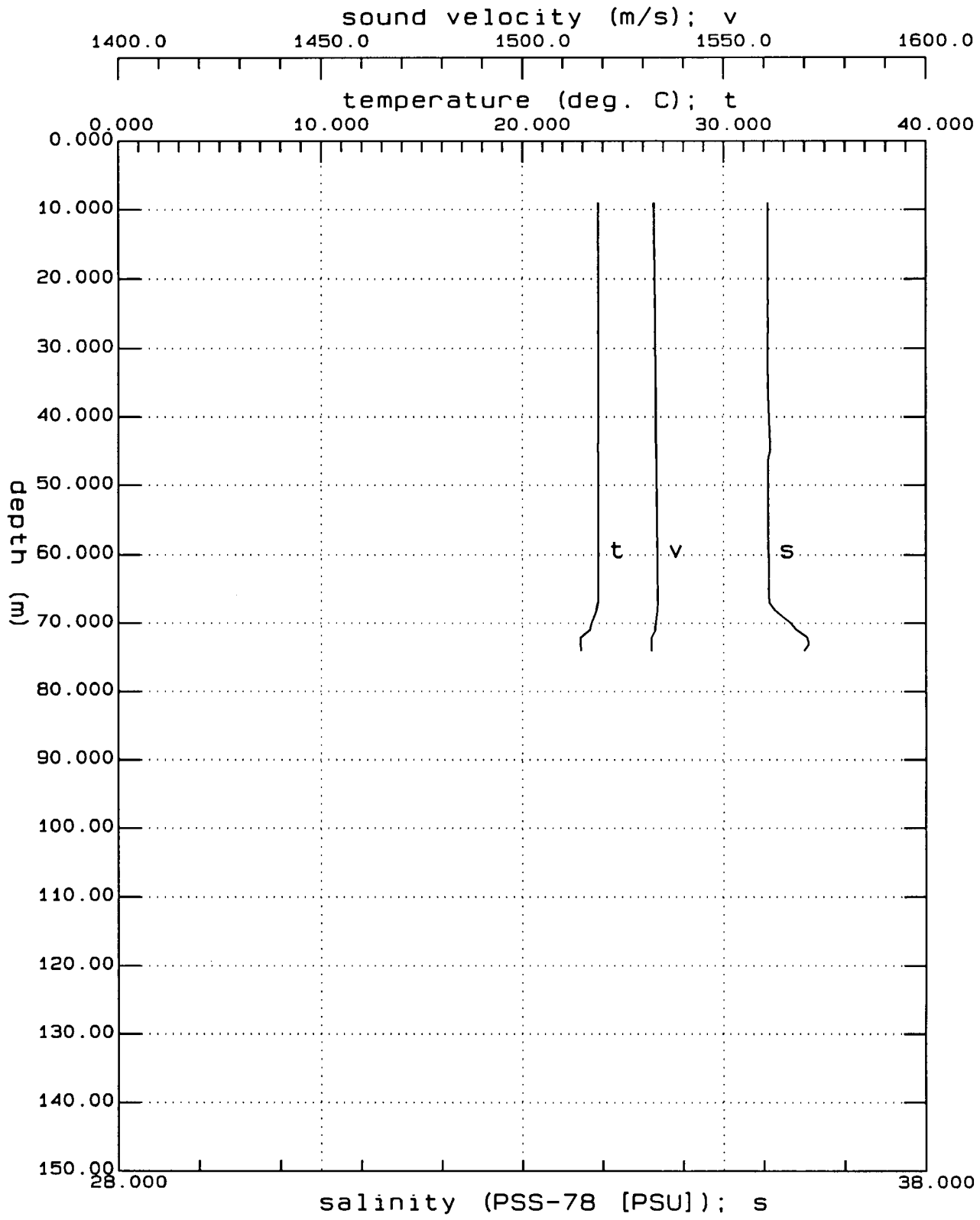




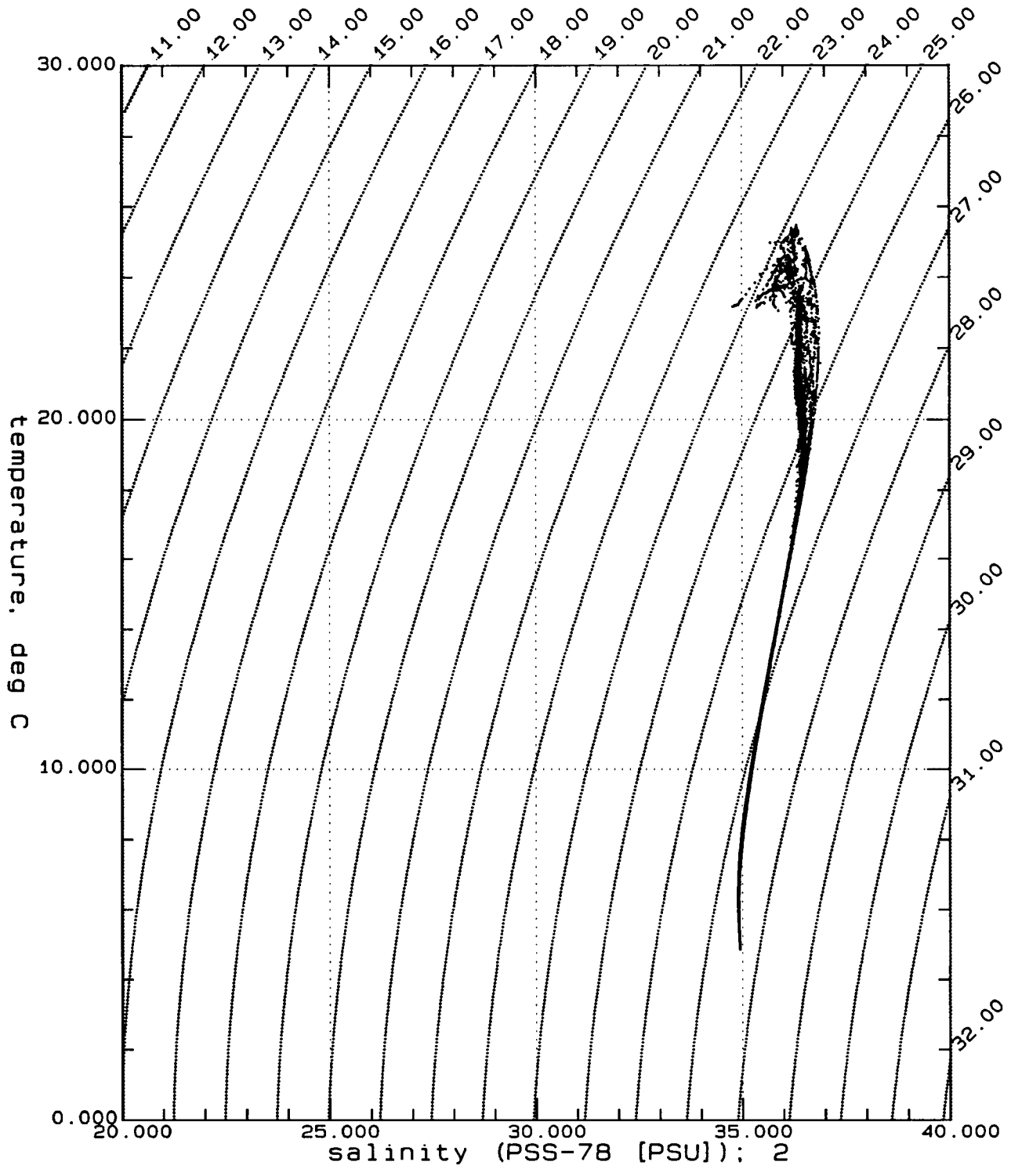
14-135.CNV: Gulfcet Cruise 03



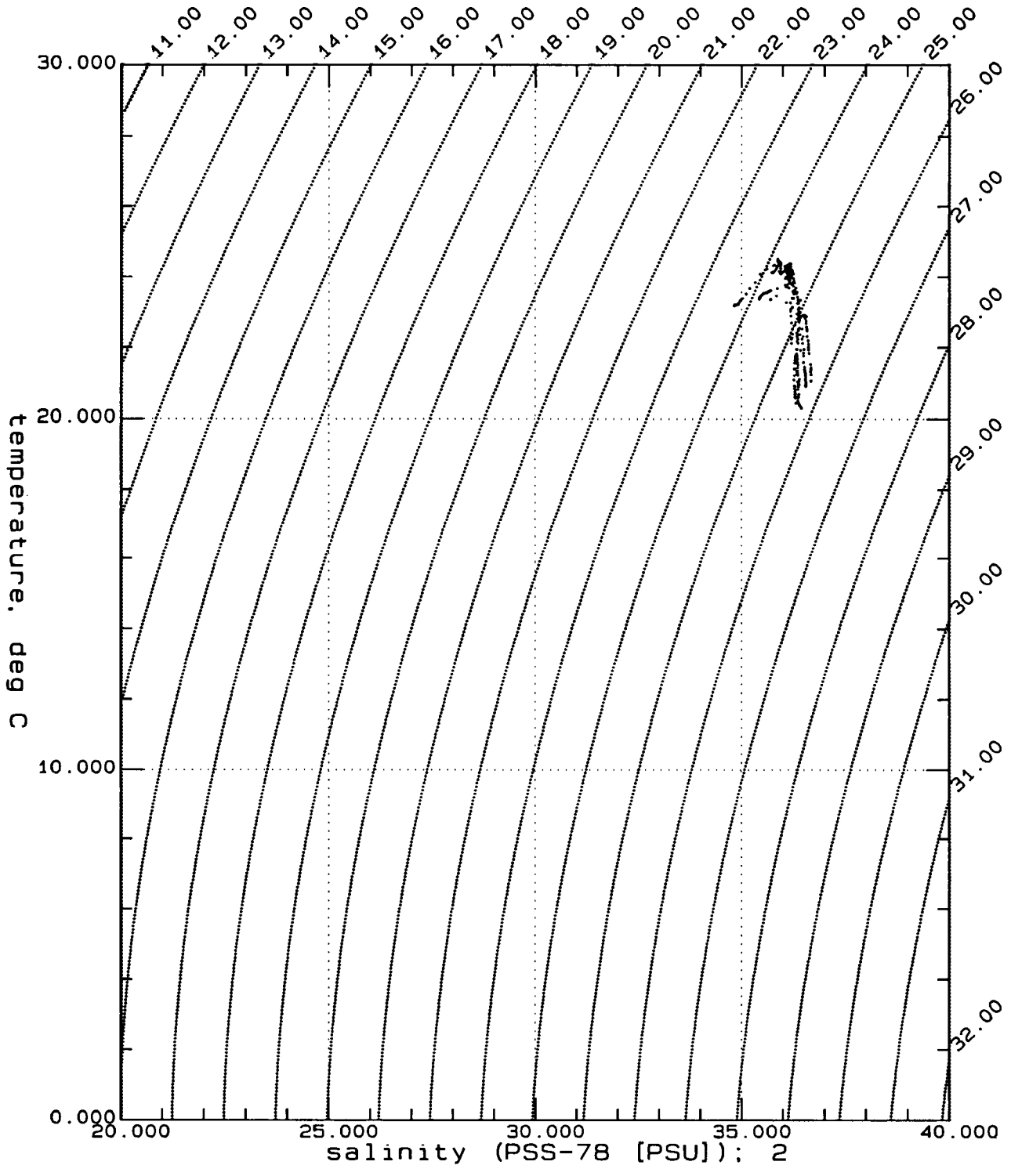
14-136.CNV: Gulfcet Cruise 03



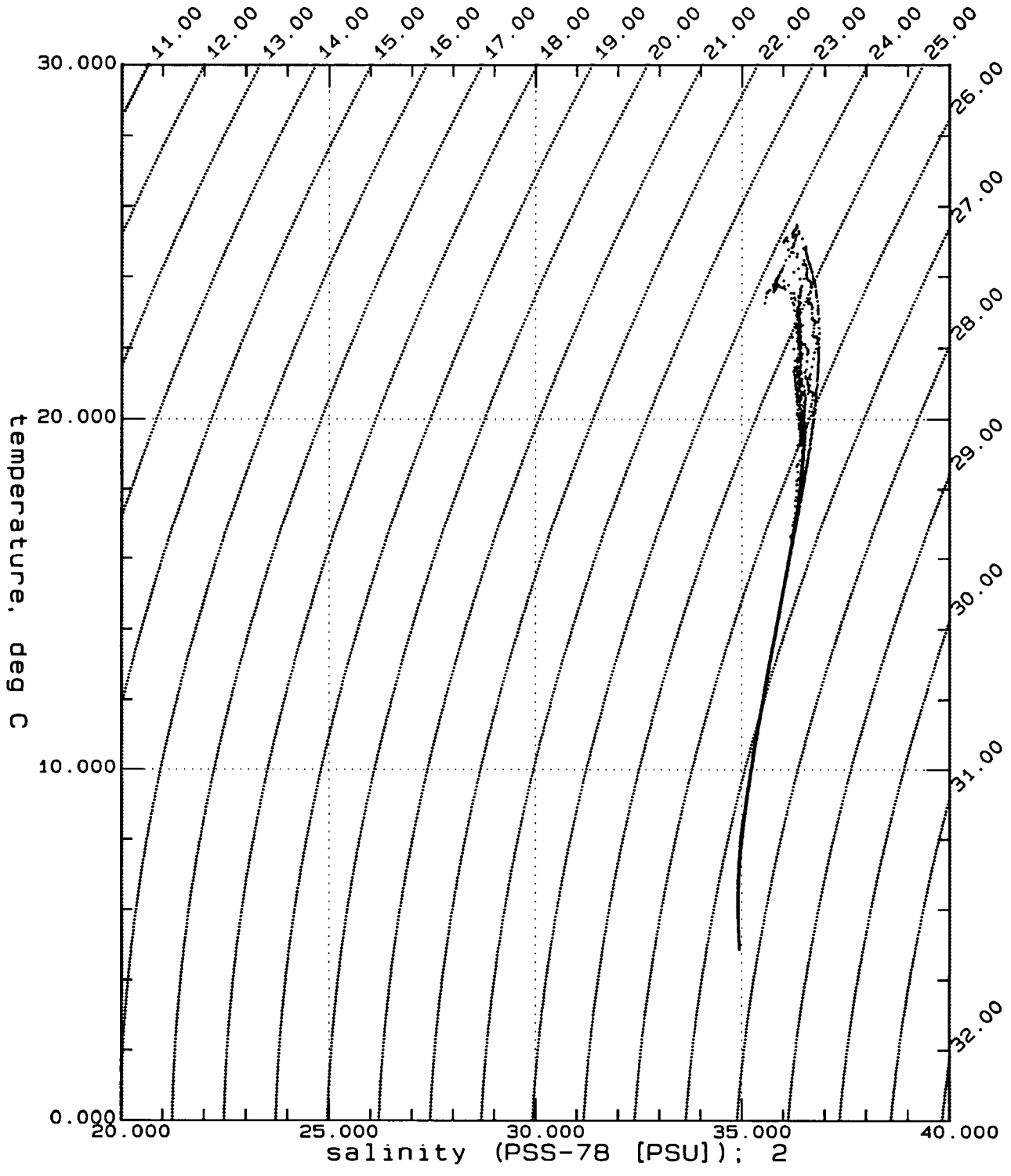
14-143.CNV: Gulfcet Cruise 03



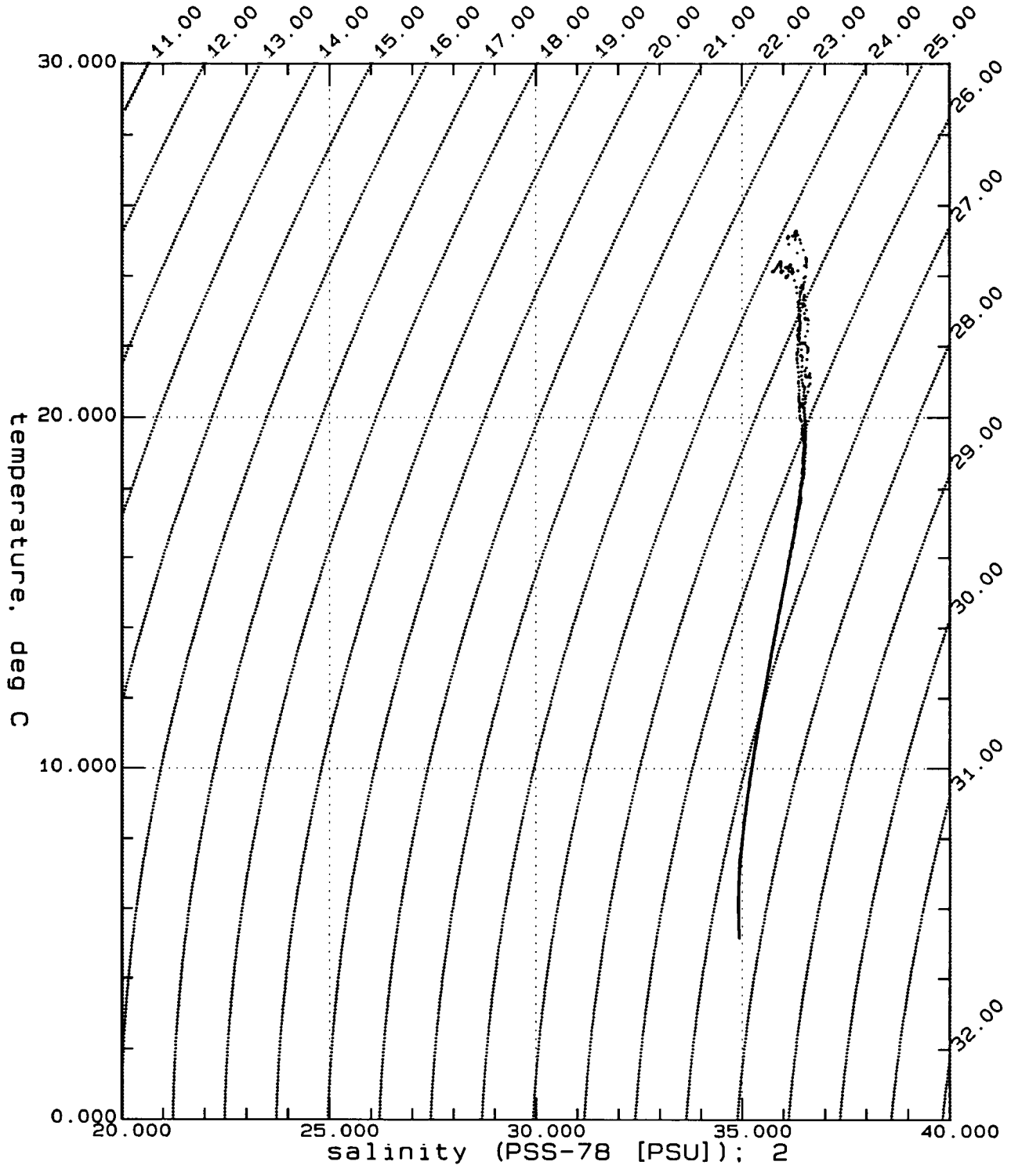
Gulfcet Cruise 03 - All Stations



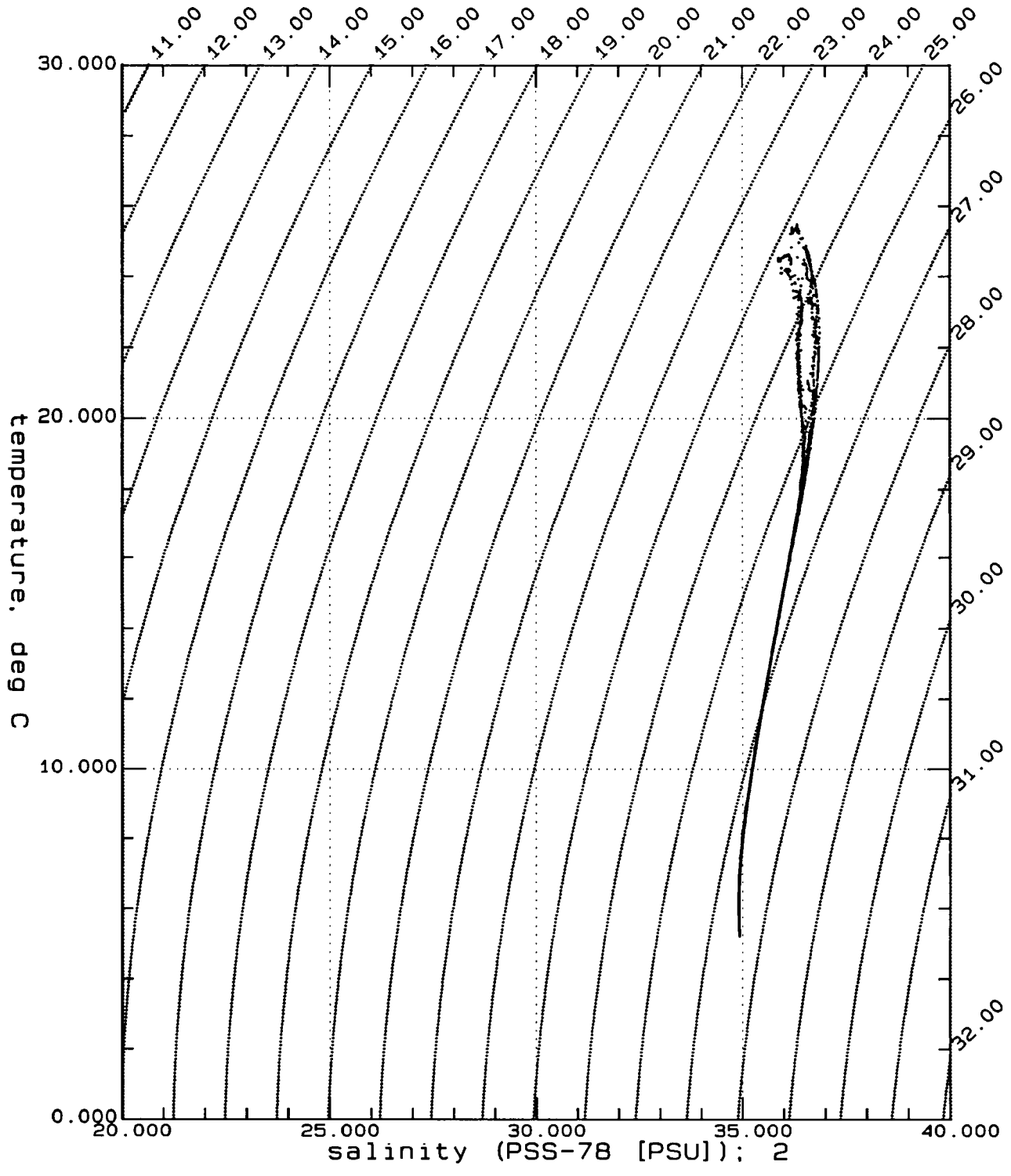
Gulfcet Cruise 03 - Inshore Stations



Gulfcet Cruise 03 - Offshore Stations

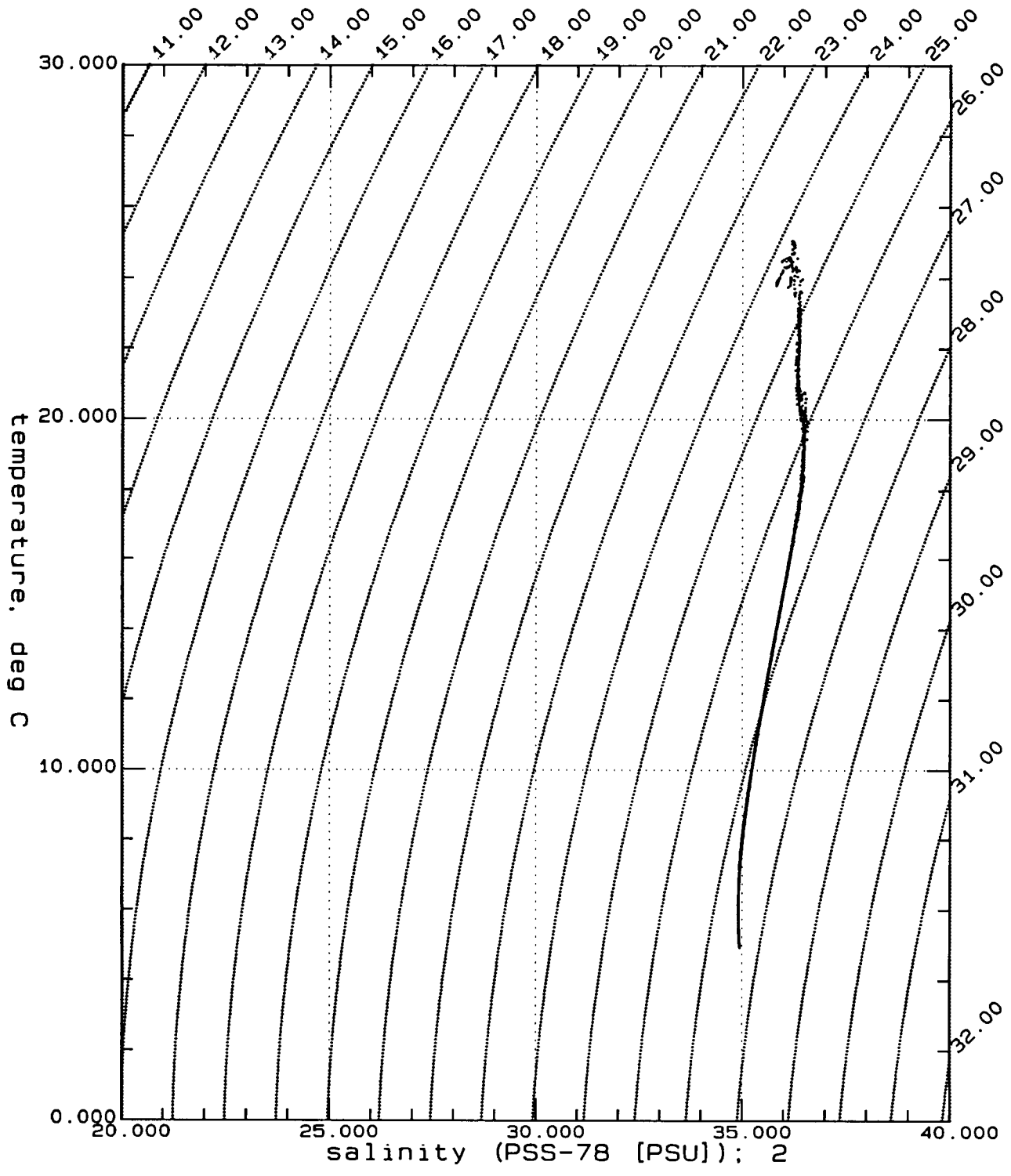


Gulfcet Cruise 03 - Lines 01 and 02

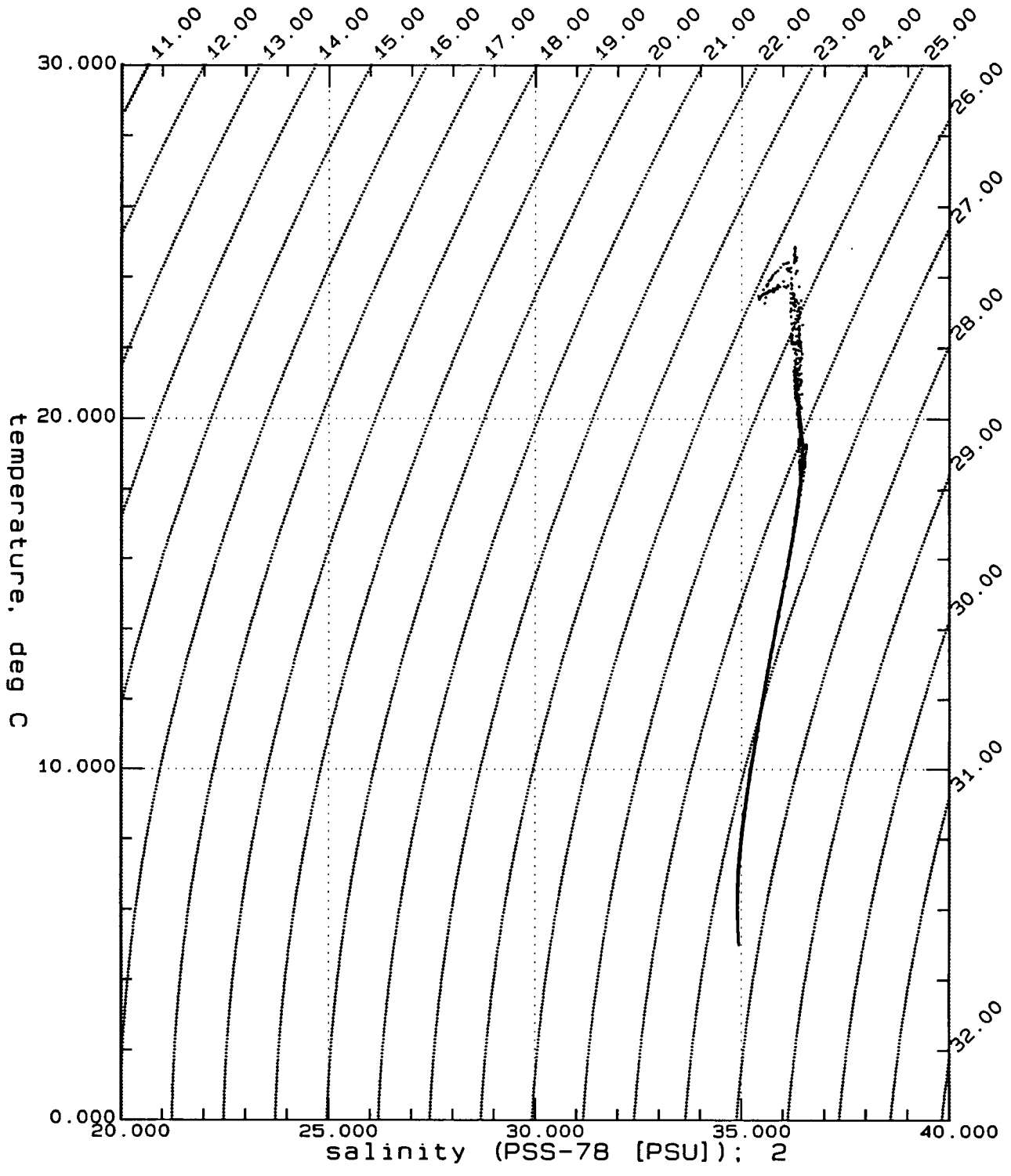


Gulfcet Cruise 03 - Lines 03 and 04

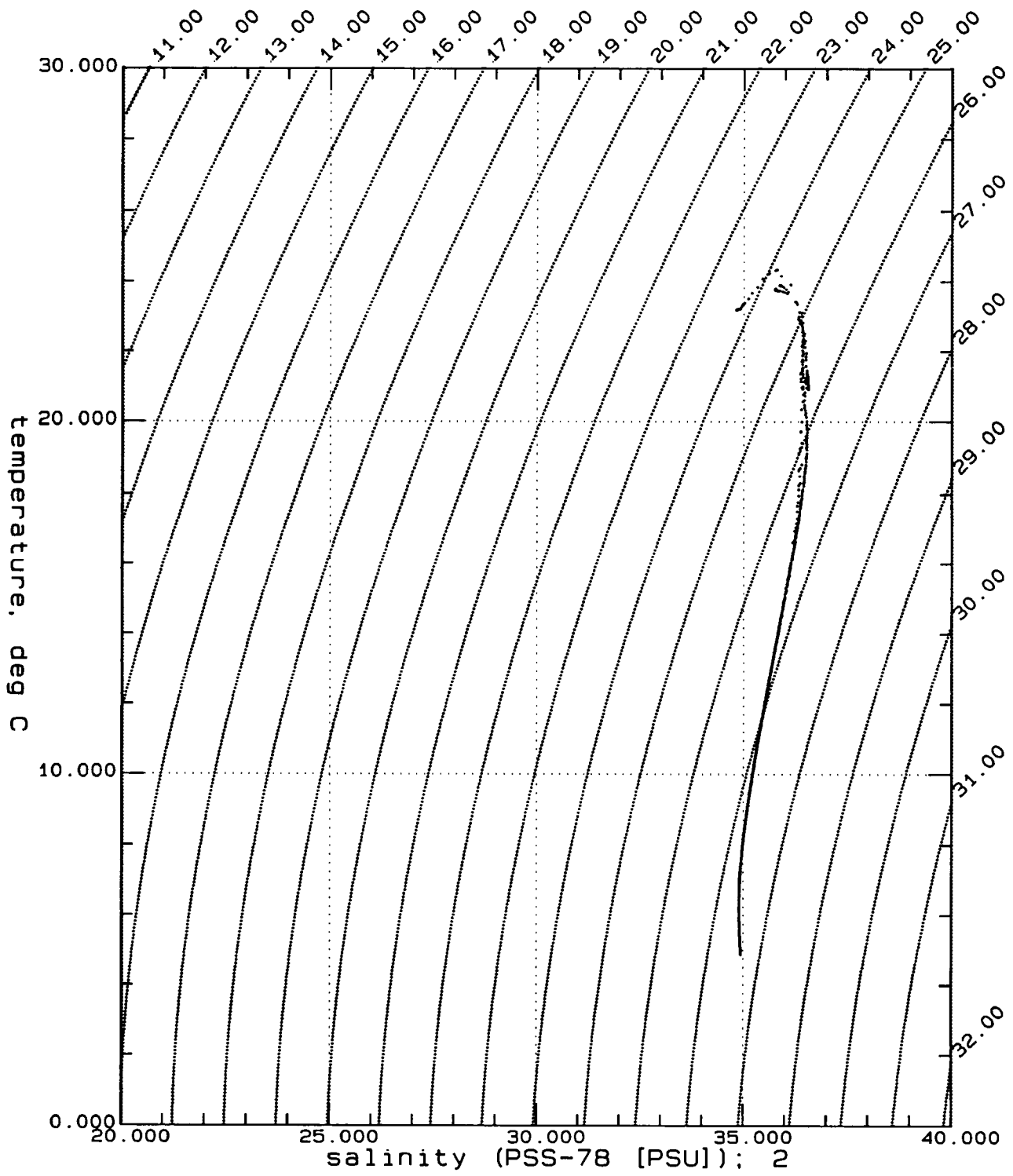




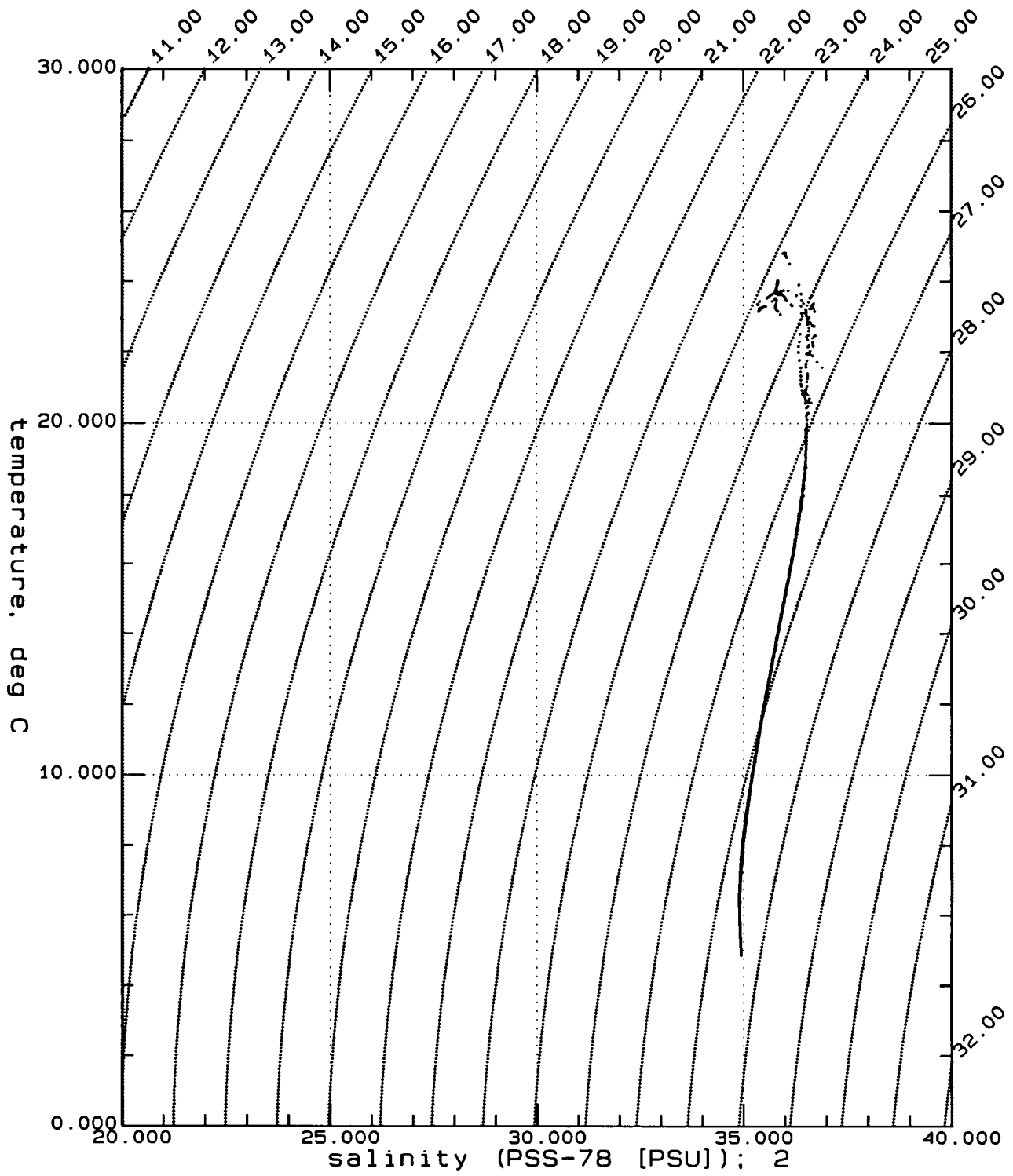
Gulfcet Cruise 03 - Lines 05 and 06



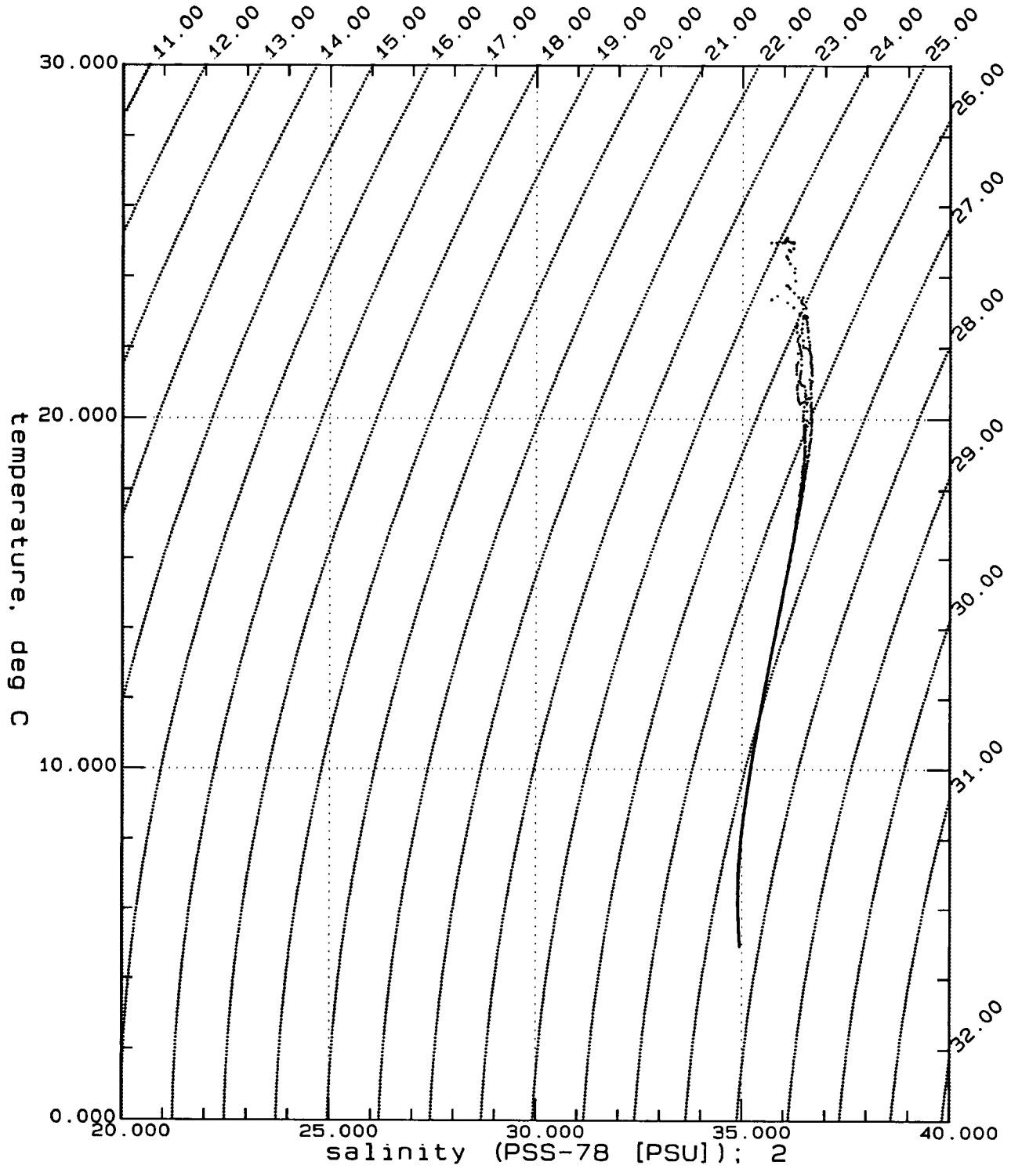
Gulfcet Cruise 03 - Lines 07 and 08



Gulfcet Cruise 03 - Lines 09 and 10

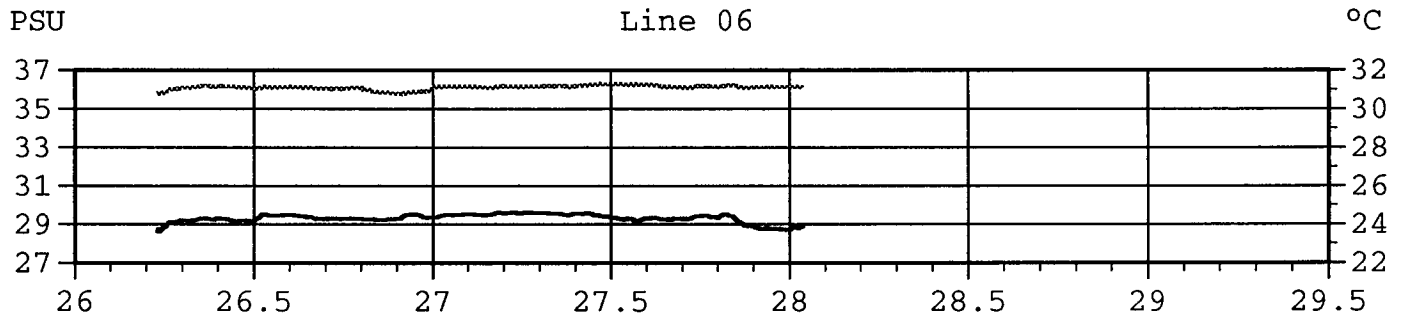
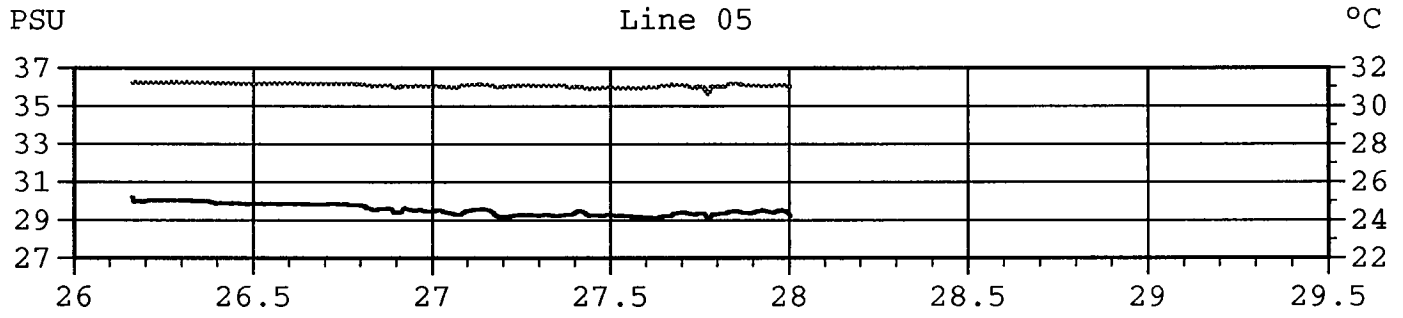
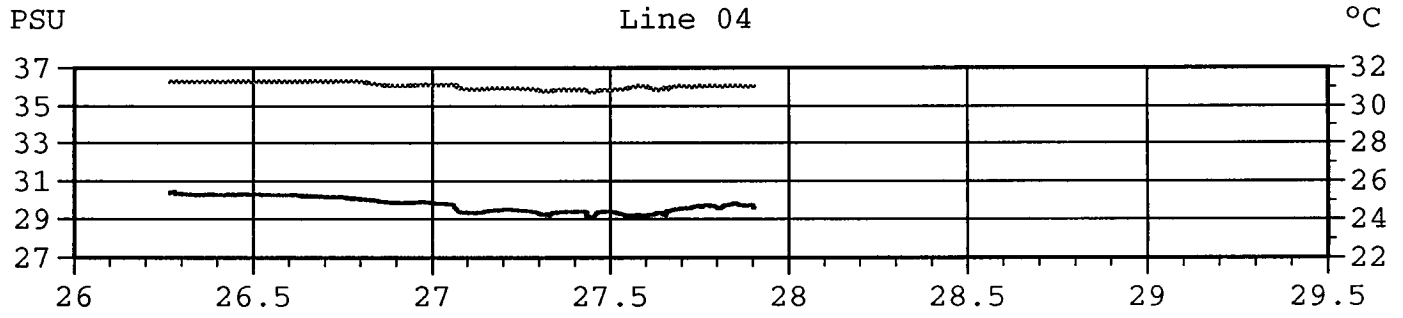
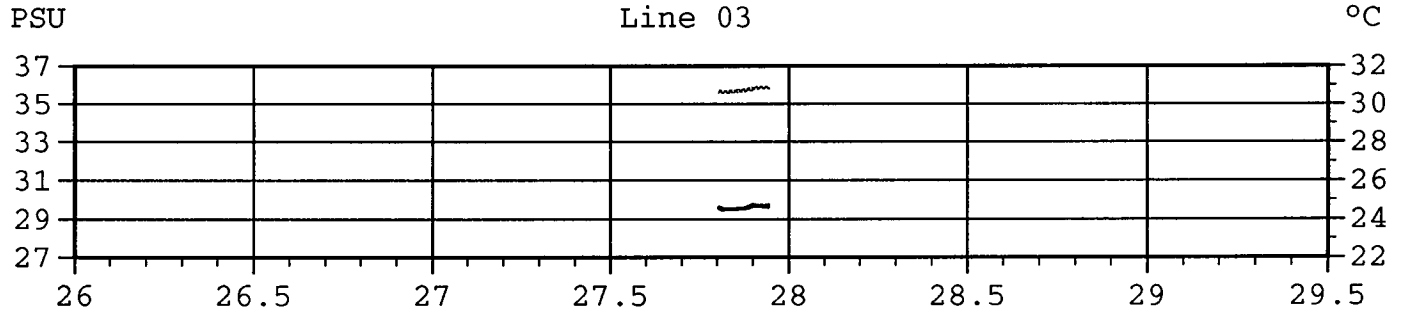
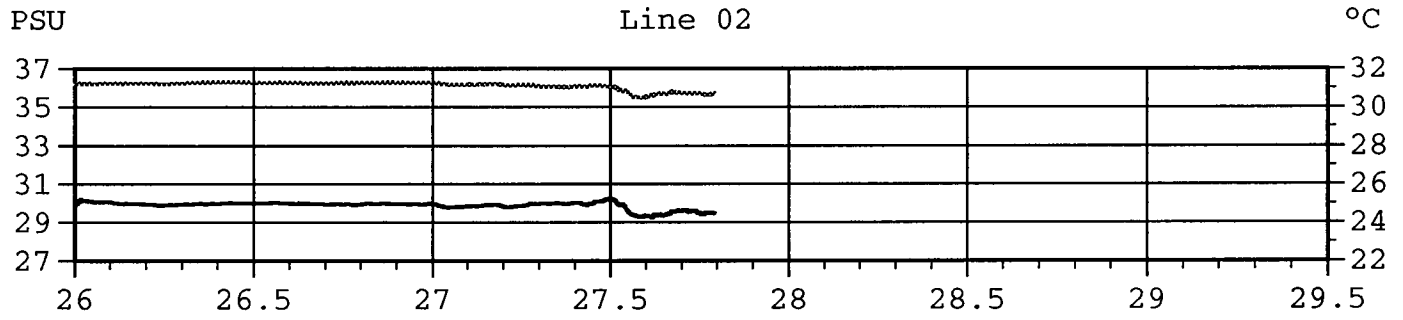


Gulfcet Cruise 03 - Lines 11 and 12



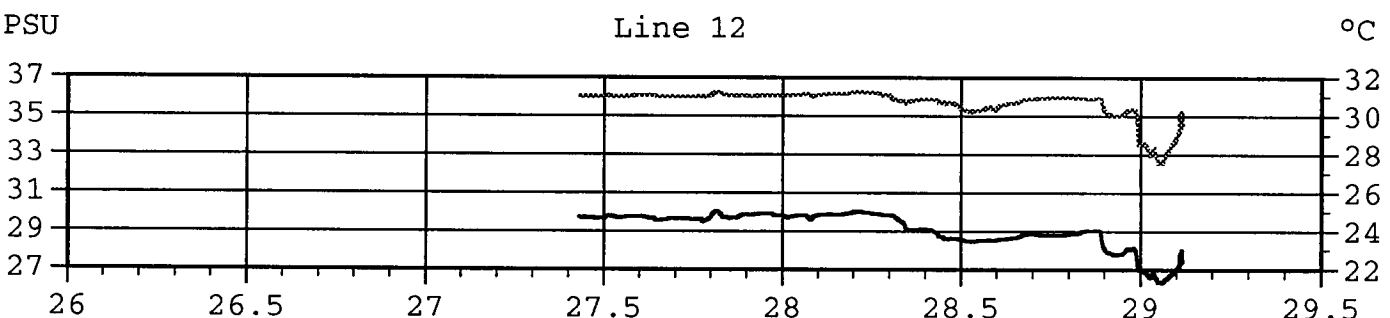
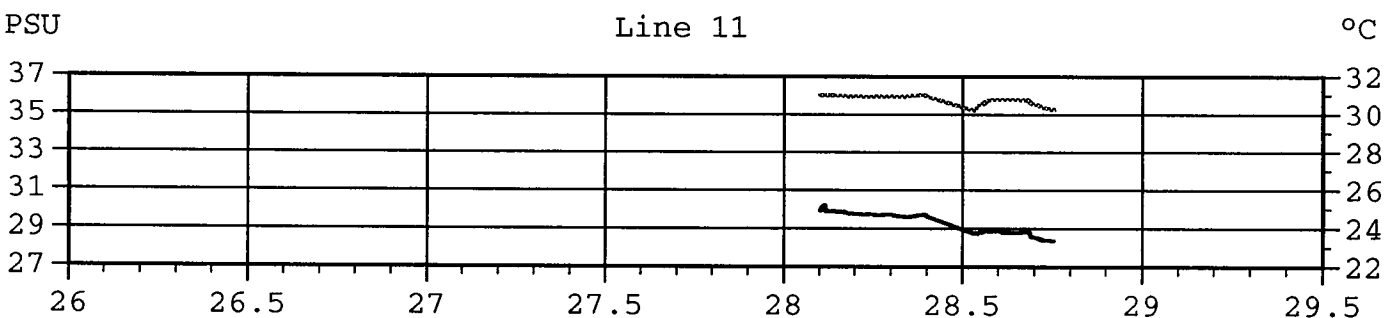
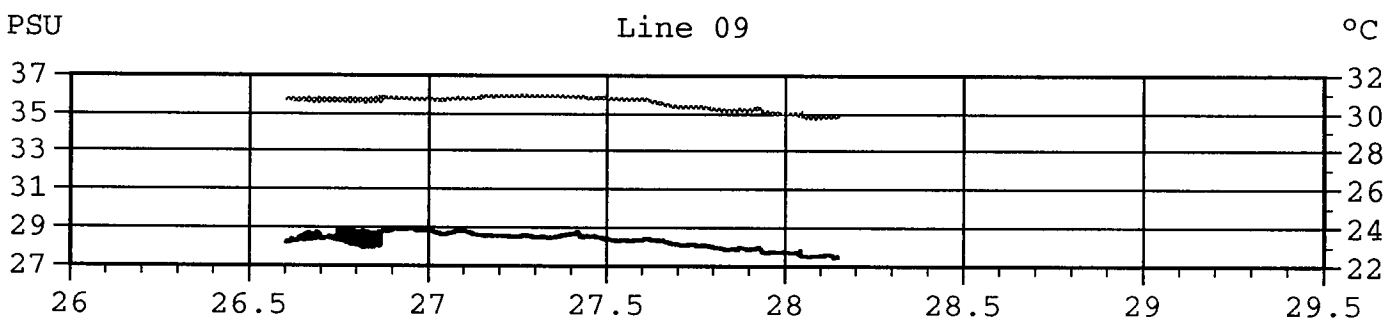
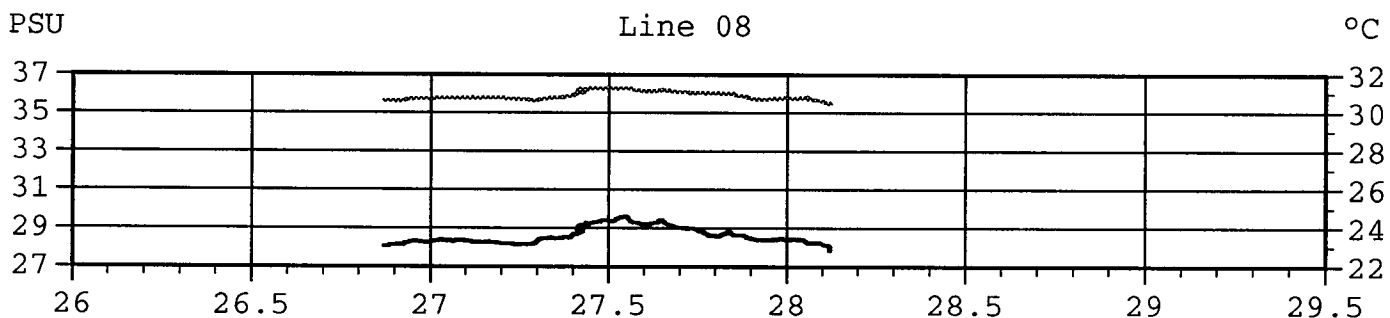
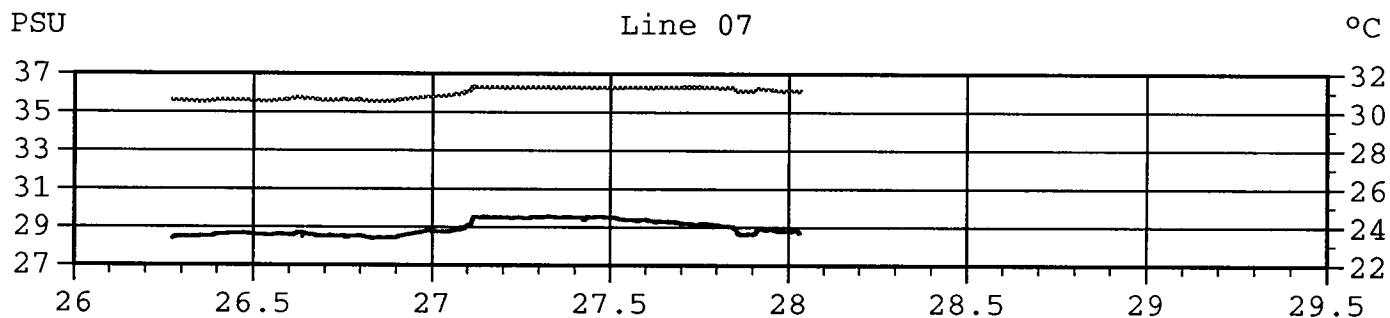
Gulfcet Cruise 03 - Lines 13 and 14

**CONTINUOUSLY RECORDING DATA:**  
**- PLOTS OF TEMPERATURE AND SALINITY**



----- Salinity

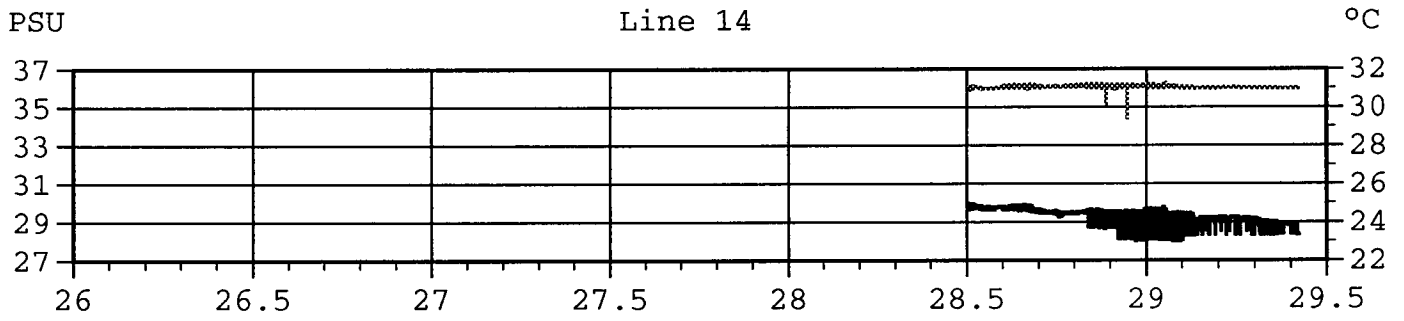
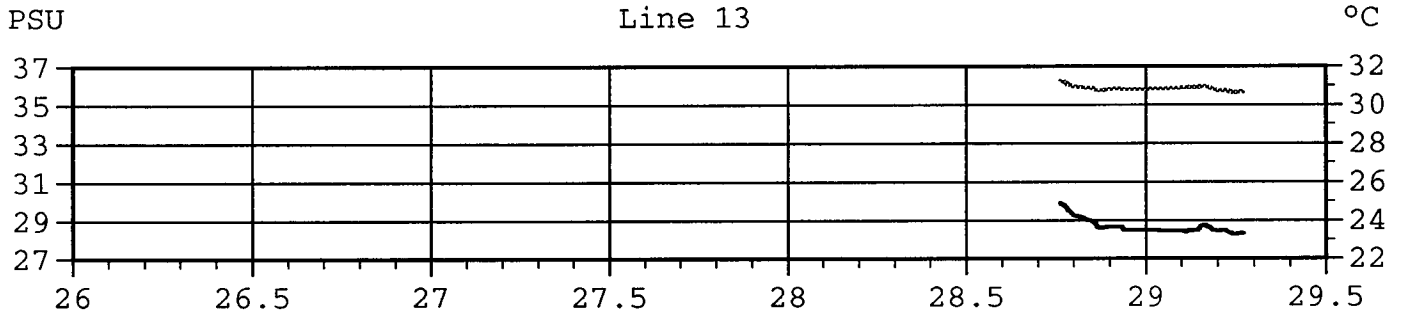
———— Temperature



----- Salinity

———— Temperature





----- Salinity

— Temperature

**SALINITY DATA:**  
**-DATA SUMMARY TABLE**

## Cruise 03 Salinity Data

Station	Depth	Bottle Salinity	CTD Salinity	Difference Bottle-CTD	Station	Depth	Bottle Salinity	CTD Salinity	Difference Bottle-CTD
02-010	1.1	36.2174	36.2308	-0.0134	07-065	97.0	36.1164	36.2799	-0.1635
02-010	1001.5	34.9265	34.9126	0.0139	07-071	4.6	36.2623	36.2750	-0.0127
02-013	1.9	36.2499	36.2619	-0.0120	07-071	758.0	34.9068	34.8932	0.0136
02-013	1000.5	34.9183	34.9062	0.0121	07-073	10.4	35.6465	35.6463	0.0002
02-015	9.2	36.0910	36.1247	-0.0337	07-073	997.5	34.9331	34.9190	0.0141
02-015	846.3	34.9099	34.8981	0.0118	07-075	1.8	35.6028	35.6069	-0.0041
02-020	1.9	35.7302	35.7359	-0.0057	07-075	993.2	34.9503	34.9152	0.0351
02-020	93.4	36.3170	36.3371	-0.0201	08-076	2.8	35.7443	35.7508	-0.0065
03-021	1.9	35.8601	35.8686	-0.0085	08-076	1000.3	34.9245	34.9155	0.0090
03-021	95.3	36.2754	36.3435	-0.0681	08-080	3.6	36.2530	36.2702	-0.0172
03-026	11.8	36.1721	36.1824	-0.0103	08-080	924.0	34.9371	34.9143	0.0228
03-026	150.8	34.9210	36.4382	-1.5172	08-086	1.3	35.4380	35.4299	0.0081
03-029	2.7	35.8042	35.8307	-0.0265	08-086	95.7	36.4071	36.4371	-0.0300
03-029	1003.8	34.9146	34.9010	0.0136	09-087	2.6	34.8961	34.8837	0.0124
03-030	3.6	36.2441	36.2041	0.0400	09-087	100.4	36.5179	36.5398	-0.0219
03-030	999.4		34.8995		09-093	2.6	35.8747	35.8738	0.0009
04-031	2.5	36.3004	36.3132	-0.0128	09-093	993.2	34.9271	34.9147	0.0124
04-031	1001.2	34.9184	34.9042	0.0142	09-096	2.3	35.7687	35.7233	0.0454
04-033	2.7	36.3151	36.3309	-0.0158	09-096	1000.3	34.9361	34.9248	0.0113
04-033	1002.7	34.9220	34.9102	0.0118	11-106	2.5	35.3234	35.3099	0.0135
04-036	3.6	35.7688	35.7443	0.0245	11-106	89.7	35.3088	36.1493	-0.8405
04-036	803.1	34.9055	34.8923	0.0132	11-112	1.3	35.9822	35.9916	-0.0094
04-042	1.9	36.0477	36.0596	-0.0119	11-112	998.4	34.9358	34.9181	0.0177
04-042	96.4	36.3791	36.3697	0.0094	12-117	1.4	35.9961	35.9906	0.0055
05-043	0.8	36.0325	36.0409	-0.0084	12-117	999.1	35.9855	34.9260	1.0595
05-043	86.2	36.2796	36.2581	0.0215	12-119	5.3	35.8111	35.7708	0.0403
05-047	1.7	35.9434	35.9514	-0.0080	12-119	1004.6	34.9191	34.9105	0.0086
05-047	565.0	34.9641	34.9508	0.0133	12-125	2.2	35.2038	35.1739	0.0299
05-050	2.6	36.1593	36.1717	-0.0124	12-125	76.0	35.7961	35.8041	-0.0080
05-050	1003.3	34.9268	34.9143	0.0125	13-126	3.5	35.6365	35.6423	-0.0058
05-053	3.0	36.2345	36.2491	-0.0146	13-126	91.3	35.6416	36.6588	-1.0172
05-053	1001.9	34.9262	34.9150	0.0112	13-133	20.5		36.0554	
06-054	1.4	35.7833	35.7901	-0.0068	13-133	1001.1		34.9155	
06-054	1000.6	34.9265	34.9145	0.0120	14-135	41.5	35.9393	35.9315	0.0078
06-055	1.1	36.0883	36.0984	-0.0101	14-135	997.2	34.9311	34.9217	0.0094
06-055	1001.5	34.9371	34.9192	0.0179	14-136	6.6	36.0919	36.1043	-0.0124
06-064	3.0	36.1374	36.1412	-0.0038	14-136	1002.0	34.9324	34.9228	0.0096
06-064	91.3	36.2771	36.2991	-0.0220	14-143	1.0	36.0551	36.0666	-0.0115
07-065	1.9	36.2618	36.1279	0.1339	14-143	70.0	36.4687	36.4707	-0.0020

## **STATION POSITIONS**

Table 1. Cruise 03 XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
02-012	11/20/92	2241	26°41.02	95°30	T-20	08-081	11/15/92	0805	27°32.99	91°30.03	T-20
02-014	11/21/92	0629	27°23.07	95°29.99	T-20	08-082	11/15/92	0956	27°45.54	91°29.9	T-7
02-016	11/21/92	0802	27°27.92	95°30.03	T-7	08-083	11/15/92	1034	27°49.56	91°30.09	T-7
02-017	11/21/92	0932	27°36.49	95°29.91	T-7	08-084	11/15/92	1053	27°52	91°30.02	T-7
02-018	11/21/92	1023	27°41.49	95°30.03	T-7	08-085	11/15/92	1103	27°52.95	91°29.97	T-10
02-019	11/21/92	1031	27°42.02	95°29.95	T-10	09-087	11/14/92	0007	28°08.8	90°50	T-20
02-EX1	11/21/92	1037	27°42.59	95°29.91	T-7	09-088	11/14/92	0125	28°02.46	90°49.96	T-10
03-022	11/19/92	1603	27°51.48	94°49.99	T-10	09-089	11/14/92	0152	27°59.79	90°49.99	T-7
03-023	11/19/92	1603	27°49	94°50	T-7	09-090	11/14/92	0259	27°51.98	90°49.45	T-7
03-024	11/19/92	1747	27°41.9	94°50.02	T-7	09-091	11/14/92	0358	27°45.96	90°49.95	T-7
03-025	11/19/92	1857	27°34.92	94°49.92	T-7	09-092	11/14/92	0458	27°39.51	90°50.07	T-7
03-027	11/19/92	2209	27°22.91	94°49.87	T-20	09-094	11/14/92	1016	27°16.03	90°50.05	T-20
03-028	11/20/92	0105	27°03.44	94°49.99	T-20	09-096	11/14/92	1538	26°44.54	90°50.26	T-7
04-032	11/18/92	1934	26°37.19	94°09.75	T-20	11-107	11/12/92	0639	28°36.09	89°29.99	T-10
04-037	11/19/92	0551	27°29.97	94°10.02	T-20	11-108	11/12/92	0720	28°31.99	89°29.92	T-7
04-038	11/19/92	0708	27°38.09	94°09.84	T-7	11-109	11/12/92	0759	28°28	89°29.99	T-7
04-039	11/19/92	0757	27°40.96	94°09.99	T-7	11-110	11/12/92	0909	28°20.93	89°30.2	T-7
04-040	11/19/92	0828	27°44.08	94°10.02	T-7	11-111	11/12/92	1009	28°15.07	89°29.98	T-20
04-041	11/19/92	0918	27°49.51	94°09.82	T-10	12-116	11/11/92	0427	27°26	88°50	T-7
05-044	11/17/92	1701	27°48.89	93°29.9	T-10	12-118	11/11/92	1331	28°14.5	88°50.02	T-20
05-045	11/17/92	1910	27°35	93°29.96	T-7	12-120	11/11/92	1929	28°43.6	88°50	T-20
05-046	11/17/92	1927	27°32.97	93°29.98	T-7	12-121	11/11/92	2004	28°47	88°50	T-7
05-048	11/17/92	2211	27°20.43	93°27.97	T-7	12-122	11/11/92	2104	28°53	88°50	T-7
05-049	11/18/92	0023	27°05.95	93°30.01	T-20	12-123	11/11/92	2129	28°55.5	88°50	T-7
05-051	11/18/92	0437	26°43	93°30.01	T-20	12-124	11/11/92	2216	29°00	88°97	T-10
06-056	11/17/92	2336	26°52.28	92°50	T-20	13-127	11/10/92	1053	29°13	88°09.99	T-10
06-058	11/17/92	0353	27°18.98	92°50.03	T-20	13-128	11/10/92	1126	29°10.5	88°10	T-7
06-059	11/17/92	0457	27°26.14	92°49.97	T-7	13-129	11/10/92	1146	29°08.5	88°10	T-7
06-060	11/17/92	0614	27°34.66	92°49.84	T-7	13-130	11/10/92	1219	29°05	88°10.01	T-7
06-061	11/17/92	0715	27°41.2	92°50.13	T-7	13-131	11/10/92	1234	29°03	88°10.07	T-20
06-062	11/17/92	0730	27°42.98	92°50.03	T-7	13-132	11/10/92	1515	28°49	88°09	T-20
06-063	11/17/92	0916	27°54.51	92°50.03	T-10	13-134	11/10/92	1837	28°37	88°10.04	T-20
07-066	11/15/92	1936	27°52.95	92°09.92	T-10	14-137*	11/10/92	2316	29°04	87°30	T-20
07-067	11/15/92	1943	27°52	92°10	T-10	14-138	11/10/92	0015	29°15.08	87°30	T-20
07-068	11/15/92	2044	27°44.99	92°09.98	T-7	14-139	11/10/92	0126	29°17	87°30	T-7
07-069	11/15/92	2154	27°37.03	92°10.02	T-7	14-140	11/10/92	0159	29°20	87°30	T-7
07-070	11/15/92	2259	27°29.41	92°10.02	T-20	14-141	11/10/92	0247	29°22	87°30	T-7
07-072	11/16/92	0226	27°10.01	92°10	T-20	14-142	11/10/92	0257	29°24.52	87°30	T-10
08-079	11/15/92	0451	27°22.99	91°29.97	T-20						

Note: \* "bad" probe

Table 2. Cruise 03 CTD Station Positions

Station	Date	Time	Latitude	Longitude	Station	Date	Time	Latitude	Longitude
02-010	11/20/92	1520	25° 59.98	95° 30.03	07-065	11/15/92	1735	28° 02.01	92° 10.11
02-013	11/20/92	2330	26° 46.08	95° 29.97	07-071	11/15/92	2335	27° 25.96	92° 10.04
02-015	11/21/92	0706	27° 26.11	95° 29.98	07-073	11/16/92	0553	26° 46.00	92° 10.00
02-020	11/21/92	1124	27° 47.14	95° 30.04	07-075	11/16/92	1112	26° 16.92	92° 10.02
03-021	11/19/92	1445	27° 56.13	94° 50.04	08-076	11/14/92	2035	26° 36.95	91° 29.99
03-026	11/19/92	2033	27° 26.06	94° 49.96	08-080	11/15/92	0539	27° 25.99	91° 30.00
03-029	11/20/92	0358	26° 46.05	94° 49.82	08-086	11/15/92	1318	28° 07.34	91° 30.24
03-030	11/20/92	0936	26° 17.00	94° 50.00	09-087	11/13/92	0008	28° 08.93	90° 50.12
04-031	11/18/92	1455	26° 17.05	94° 10.01	09-093	11/14/92	0713	27° 25.92	90° 50.16
04-033	11/18/92	2110	26° 46.33	94° 09.94	09-096	11/14/92	1510	26° 44.91	90° 50.07
04-036	11/19/92	0426	27° 26.00	94° 09.95	11-106	11/12/92	0449	28° 44.99	89° 30.03
04-042	11/19/92	1003	27° 54.01	94° 09.94	11-112	11/12/92	1148	28° 06.01	89° 29.96
05-043	11/17/92	1455	28° 00.02	93° 29.98	12-117	11/11/92	0752	27° 46.22	88° 50.09
05-047	11/17/92	2040	27° 26.00	93° 29.95	12-119	11/11/92	1530	28° 26.07	88° 50.03
05-050	11/18/92	0321	26° 46.00	93° 30.00	12-125	11/11/92	2346	29° 06.92	88° 49.69
05-053	11/18/92	0940	26° 10.00	93° 30.00	13-126	11/10/92	0936	29° 16.29	88° 10.23
06-054	11/16/92	1550	26° 14.01	92° 50.17	13-133	11/10/92	1604	28° 45.52	88° 09.88
06-055	11/16/92	2150	26° 46.05	92° 49.98	14-135	11/11/92	1345	28° 30.86	87° 30.38
06-064	11/17/92	1033	28° 02.00	92° 50.00	14-136	11/11/92	1820	28° 45.96	87° 30.02
					14-143	11/10/92	0400	29° 26.99	87° 30.15

## **TEMPERATURE AND SALINITY**

Figure 2. 15° C isotherm depth map

### GULFCET 03

Depth of 15 °C Isotherm (m)

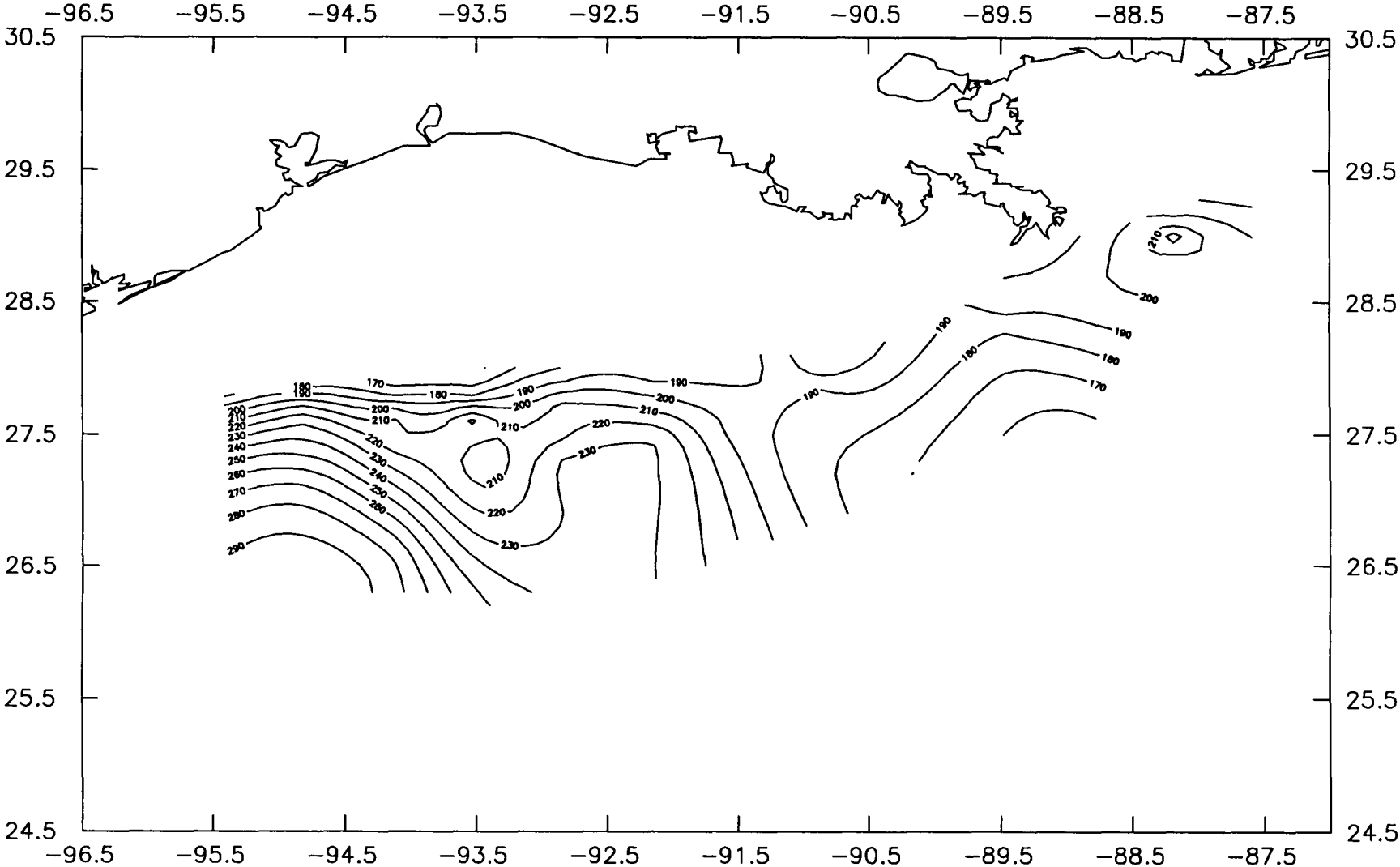




Figure 3. 20° C isotherm depth map

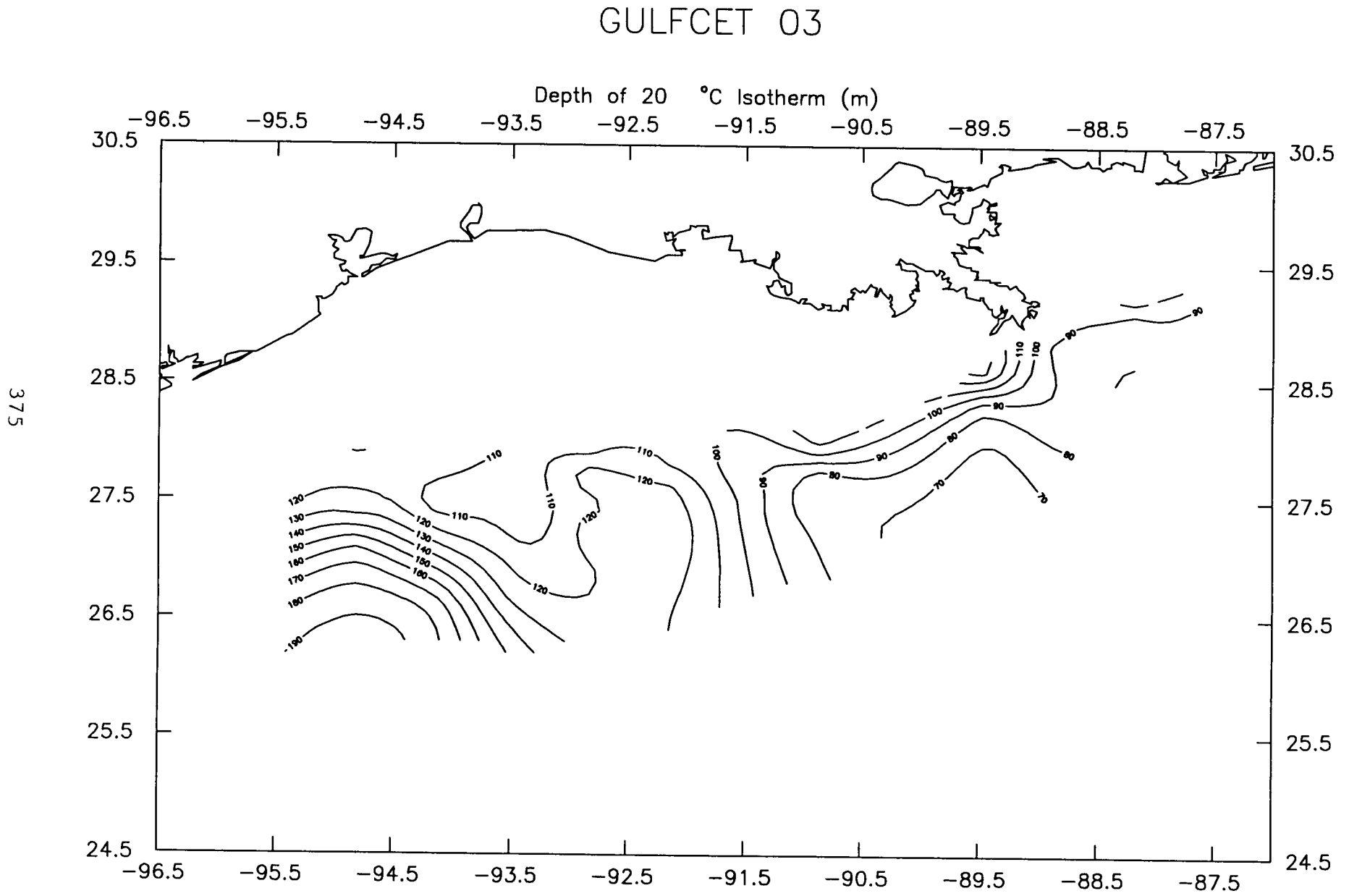


Figure 4. Sea surface temperatures (°C): XBT versus MIDAS

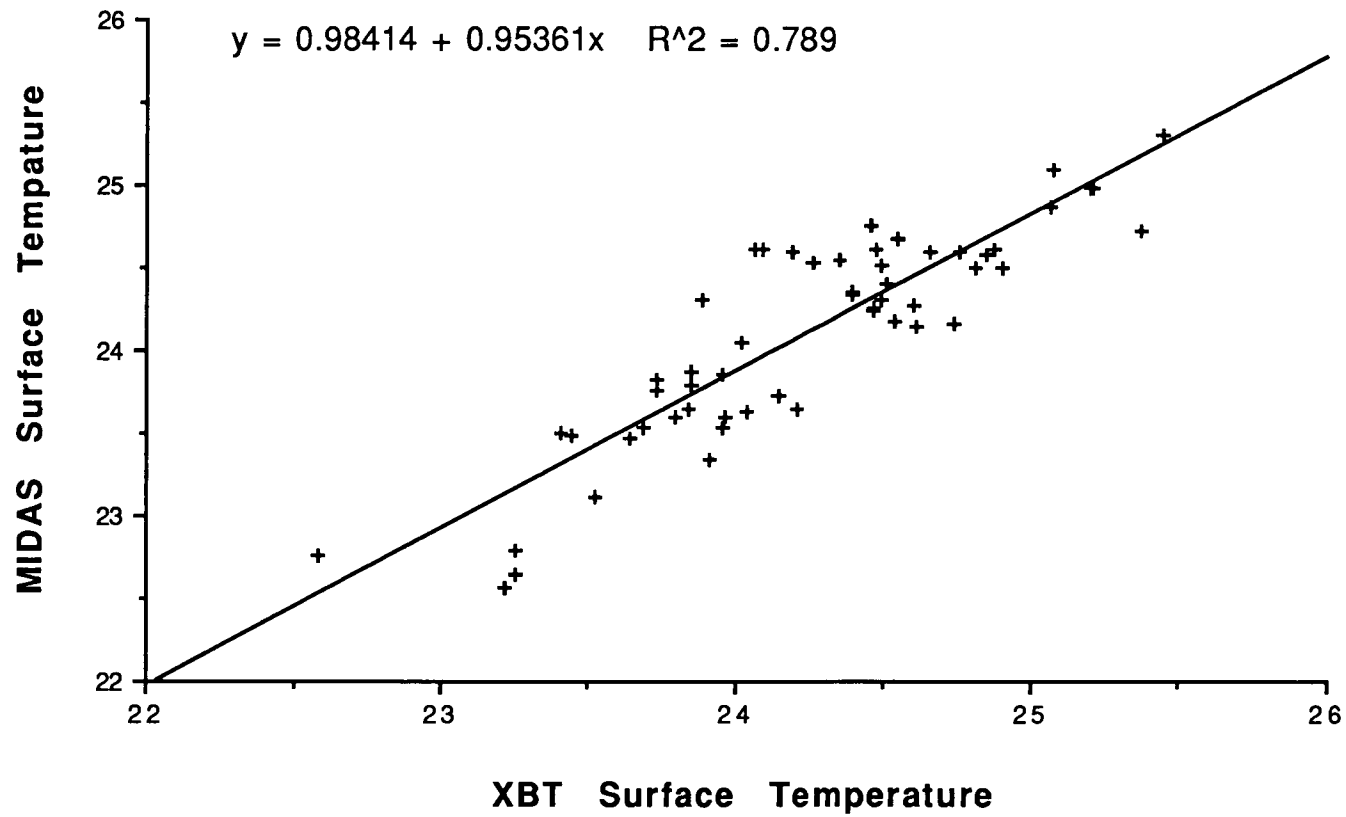


Figure 5. Sea surface temperature (°C): CTD versus MIDAS

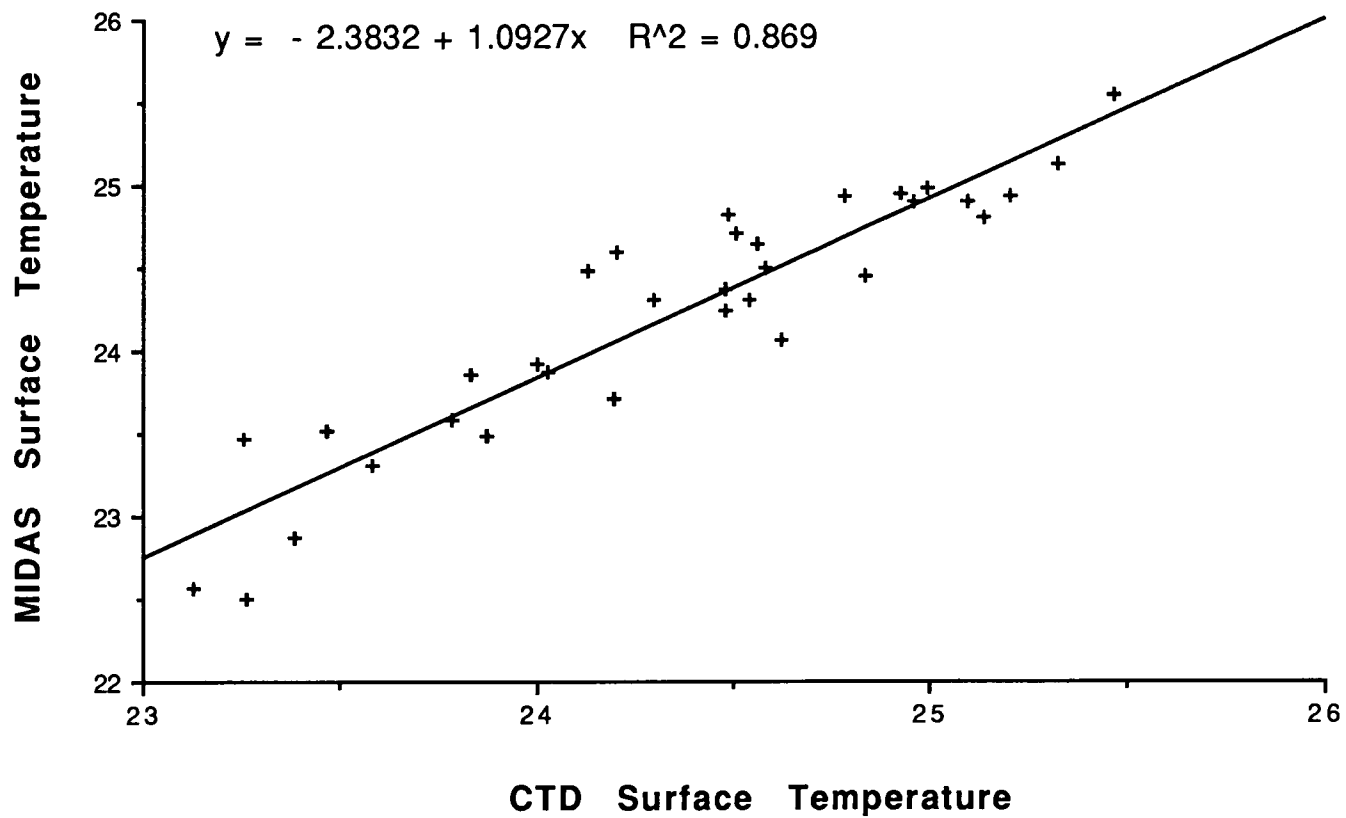


Figure 6. Station 09-087 temperature data: CTD versus XBT

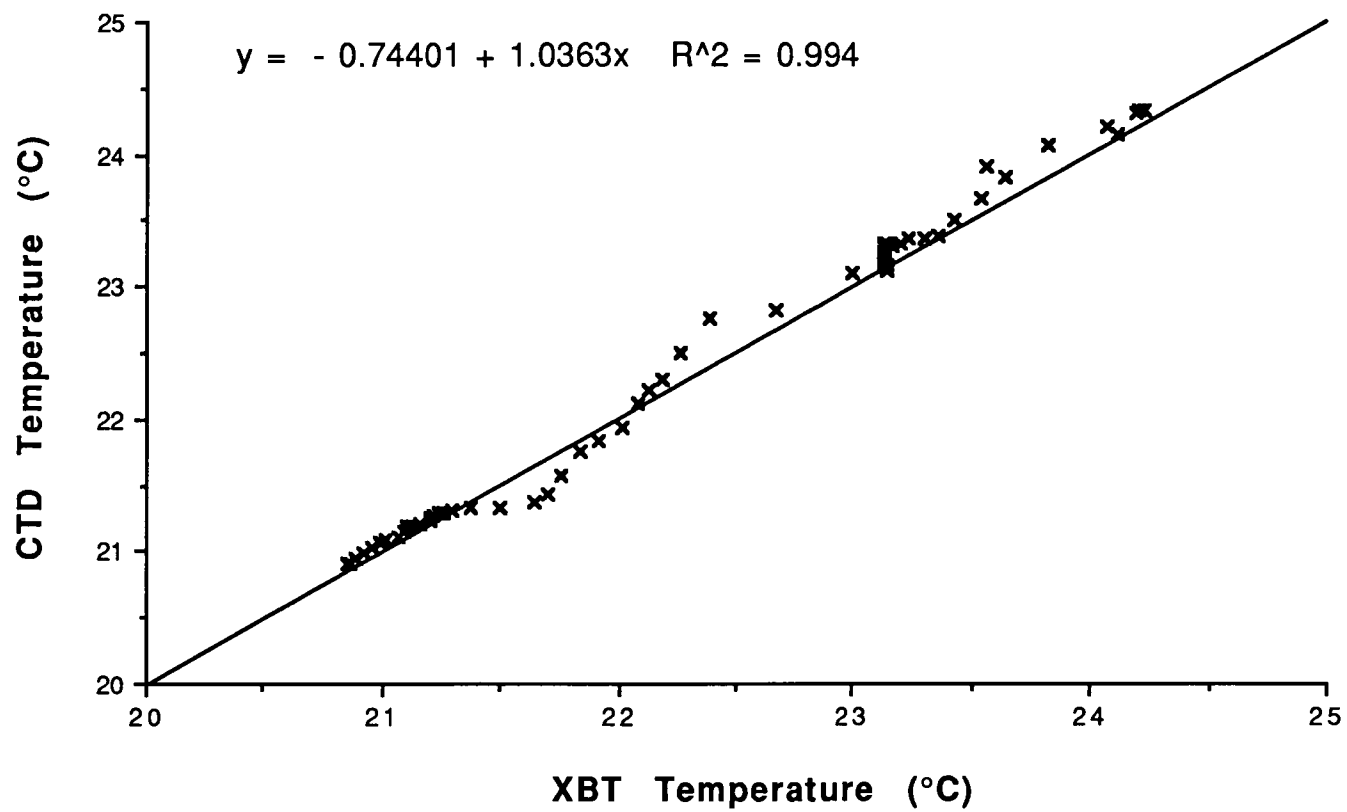
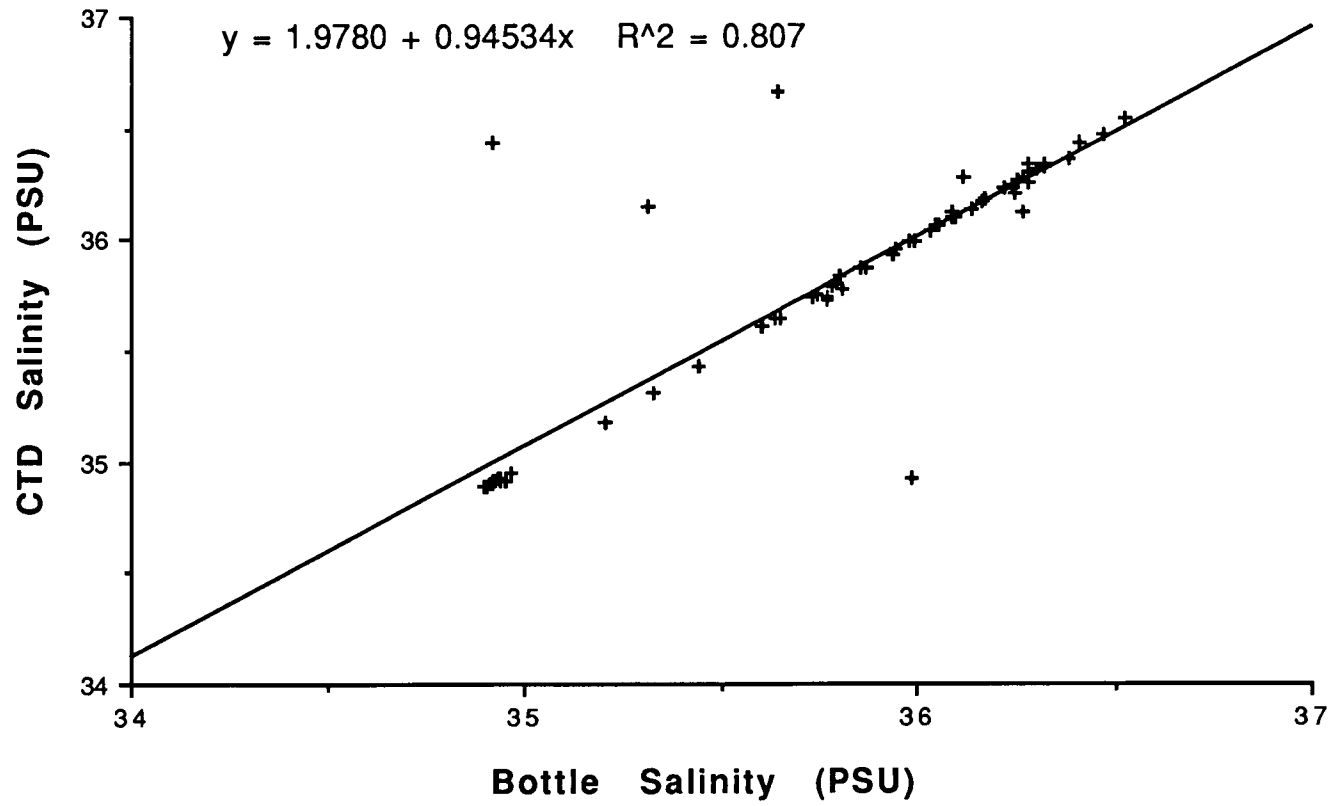


Figure 7. Bottle salinity versus CTD salinity



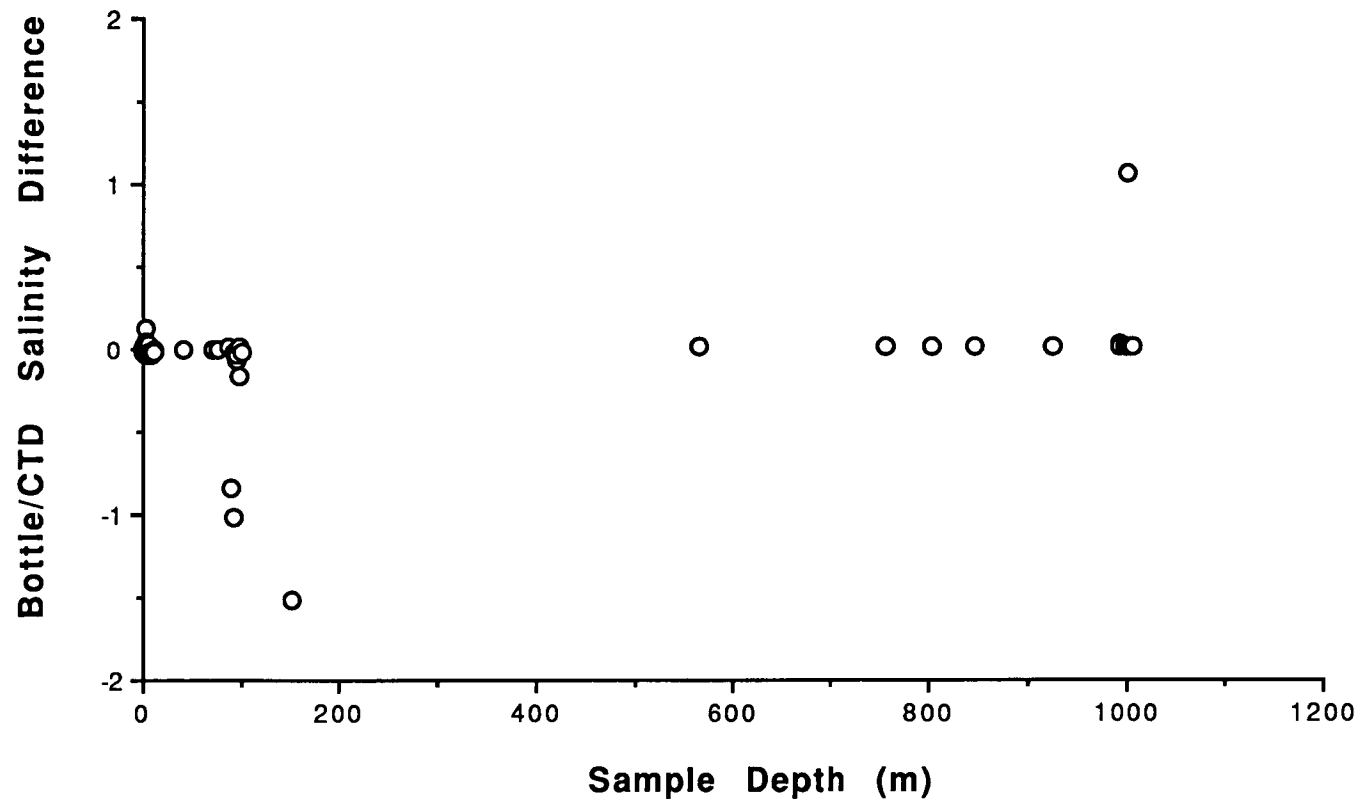
**Figure 8. Sample depth versus bottle-CTD salinity difference**

Figure 9. Plot of CTD surface salinity

### CTD Surface Salinity (PSU)

GulfCet 03

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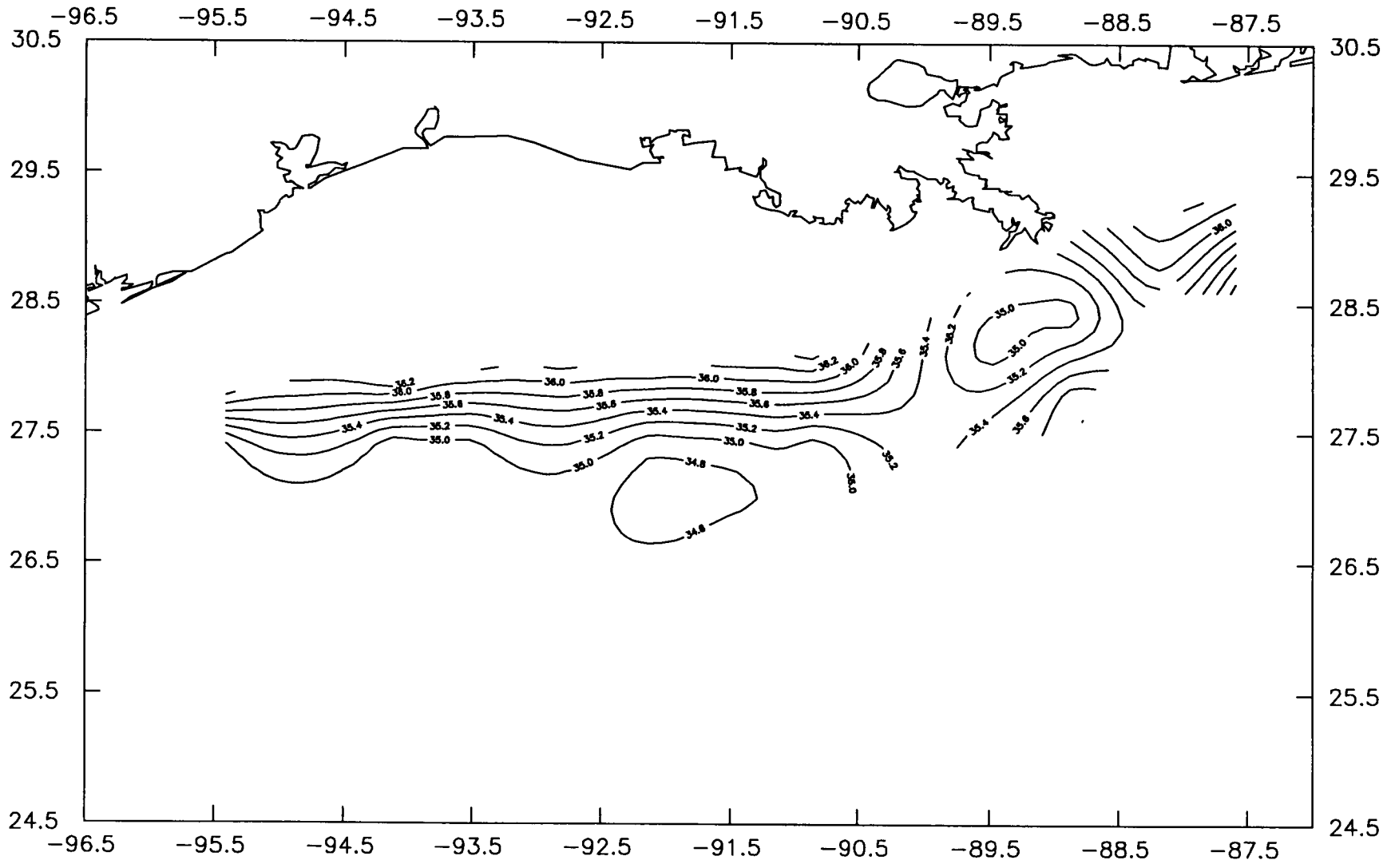
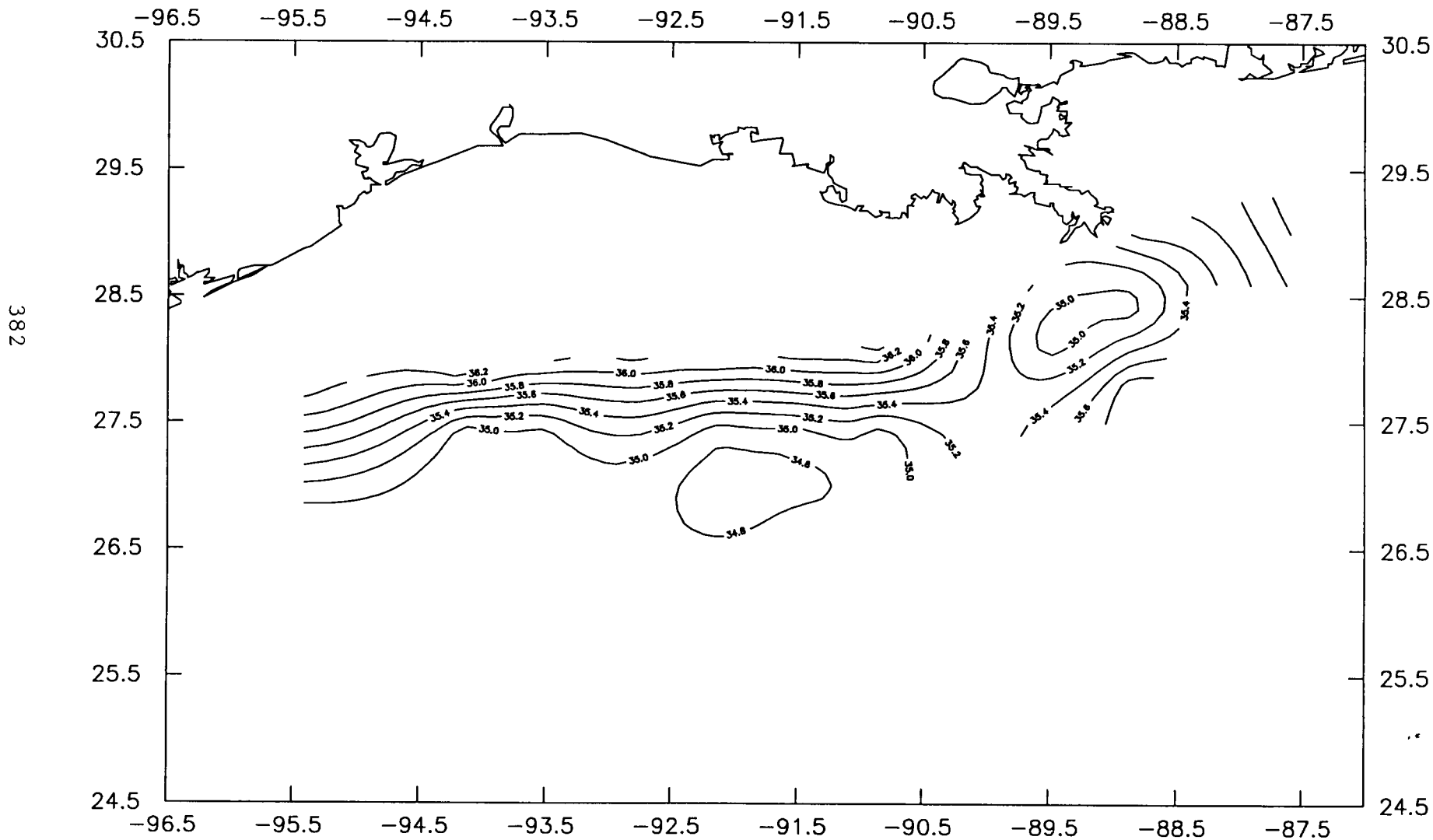


Figure 10. Plot of Niskin bottle surface salinity

# Niskin Bottle Surface Salinity (PSU)

GulfCet 03





### 3.1.4 Cruise 4

## PERSONNEL

### *GulfCet Cruise 04 Personnel:*

#### Ship's Captain:

Chris Riffe, R/V *Pelican*

#### Chief Scientist:

Giulietta Fargion

TAMUG, Research Associate Specialist, PI

#### Scientific Staff:

Jeff Norris

TAMU, Research Associate

Tom Jefferson

TAMU, Graduate Student

Logan Respass

TAMUG, Marine Technician

Troy Sparks

TAMU, Graduate Student

Bill Stevens

TAMUG, Marine Technician

Spencer Lynn

TAMU, Graduate Student

David Weller

TAMU, Graduate Student

Toni Frohof

TAMU, Graduate Student

Stefan Brager

Volunteer

David Brandon

TAMUG, Computer Programmer

Les Orr

TAMUG, Student

Mike Duncan

TAMU, Graduate Student

Dwight Peak

Volunteer

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respass

TAMUG, Marine Technician

#### Data Processing and Programming:

David Brandon

TAMUG, Computer Programmer

Mary Howley

TAMUG, Research Assistant

#### Report Writing and Quality Assurance:

Giulietta Fargion

TAMUG, GulfCet PI, Research Associate Specialist

Cheryl Schroeder

TAMUG, Student

**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

- DATA SUMMARY TABLES**
- VERTICAL TEMPERATURE PROFILES**

Cruise: GULFCET 04      Station: 02-012      Probe Type: T-7  
 Latitude: 26° 40.90' N      Longitude: 95° 29.80' W      Date: 24-Feb-1993      Time: 0600

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.86	310.00	13.47	620.00	7.70
10.00	22.85	320.00	13.07	630.00	7.56
20.00	22.84	330.00	12.87	640.00	7.43
30.00	22.84	340.00	12.67	650.00	7.28
40.00	22.48	350.00	12.51	660.00	7.16
50.00	22.70	360.00	12.30	670.00	7.06
60.00	22.73	370.00	12.04	680.00	6.93
70.00	22.74	380.00	11.91	690.00	6.85
80.00	22.70	390.00	11.78	700.00	6.78
90.00	21.96	400.00	11.64	710.00	6.69
100.00	21.44	410.00	11.54	720.00	6.62
110.00	21.06	420.00	11.24	730.00	6.56
120.00	20.32	430.00	10.99	740.00	6.41
130.00	20.82	440.00	10.72	750.00	6.36
140.00	21.24	450.00	10.49	760.00	6.28
150.00	19.93	460.00	10.29	770.00	6.24
160.00	19.43	470.00	10.13	780.00	6.16
170.00	19.01	480.00	9.99	790.00	6.08
180.00	18.49	490.00	9.73	800.00	6.01
190.00	18.18	500.00	9.54	810.00	5.93
200.00	17.69	510.00	9.38	820.00	5.89
210.00	17.40	520.00	9.24		
220.00	17.04	530.00	9.06		
230.00	16.48	540.00	8.92		
240.00	15.98	550.00	8.73		
250.00	15.46	560.00	8.53		
260.00	15.11	570.00	8.45		
270.00	14.75	580.00	8.28		
280.00	14.35	590.00	8.09		
290.00	14.08	600.00	7.96		
300.00	13.77	610.00	7.81		

Cruise: GULFCET 04      Station: 02-014      Probe Type: T-7  
 Latitude: 27° 23.00' N      Longitude: 95° 30.00' W      Date: 23-Feb-1993      Time: 2138

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.52	310.00	12.37	620.00	6.96
10.00	22.50	320.00	12.08	630.00	6.85
20.00	22.51	330.00	11.89	640.00	6.76
30.00	22.52	340.00	11.61	650.00	6.73
40.00	22.75	350.00	11.41	660.00	6.61
50.00	22.80	360.00	11.17	670.00	6.56
60.00	22.60	370.00	10.90	680.00	6.50
70.00	22.53	380.00	10.63	690.00	6.36
80.00	22.54	390.00	10.41	700.00	6.30
90.00	22.45	400.00	10.23	710.00	6.25
100.00	22.43	410.00	10.00	720.00	6.15
110.00	22.00	420.00	9.71	730.00	6.02
120.00	20.59	430.00	9.50	740.00	5.92
130.00	19.84	440.00	9.39	750.00	5.76
140.00	19.20	450.00	9.20	760.00	5.69
150.00	18.57	460.00	9.00	770.00	5.66
160.00	18.08	470.00	8.90	780.00	5.55
170.00	17.57	480.00	8.79	790.00	5.48
180.00	16.86	490.00	8.63	800.00	5.42
190.00	16.43	500.00	8.46	810.00	5.35
200.00	16.03	510.00	8.30		
210.00	15.72	520.00	8.13		
220.00	15.26	530.00	8.06		
230.00	15.07	540.00	7.77		
240.00	14.69	550.00	7.70		
250.00	14.15	560.00	7.65		
260.00	13.72	570.00	7.49		
270.00	13.47	580.00	7.37		
280.00	13.19	590.00	7.23		
290.00	12.98	600.00	7.12		
300.00	12.83	610.00	7.03		

Cruise: GULFCET 04  
Latitude: 27° 28.00' N

Station: 02-016  
Longitude: 95° 29.90' W

Probe Type: T-7  
Date: 23-Feb-1993

Time: 1958

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.67	310.00	12.06	620.00	6.89
10.00	22.62	320.00	11.88	630.00	6.74
20.00	22.63	330.00	11.63	640.00	6.69
30.00	22.64	340.00	11.36	650.00	6.61
40.00	22.84	350.00	11.07	660.00	6.54
50.00	22.76	360.00	10.81	670.00	6.38
60.00	22.76	370.00	10.71	680.00	6.28
70.00	22.71	380.00	10.48	690.00	6.16
80.00	22.69	390.00	10.38	700.00	6.01
90.00	22.70	400.00	10.26	710.00	5.93
100.00	22.53	410.00	10.08	720.00	5.81
110.00	21.81	420.00	9.91		
120.00	20.65	430.00	9.71		
130.00	19.75	440.00	9.55		
140.00	19.11	450.00	9.24		
150.00	18.52	460.00	9.06		
160.00	17.93	470.00	8.86		
170.00	17.23	480.00	8.64		
180.00	16.81	490.00	8.43		
190.00	16.42	500.00	8.25		
200.00	16.04	510.00	8.14		
210.00	15.71	520.00	8.02		
220.00	15.08	530.00	7.87		
230.00	14.63	540.00	7.80		
240.00	14.26	550.00	7.62		
250.00	14.14	560.00	7.50		
260.00	13.66	570.00	7.36		
270.00	13.29	580.00	7.34		
280.00	13.00	590.00	7.23		
290.00	12.66	600.00	7.12		
300.00	12.35	610.00	7.00		

Cruise: GULFCET 04  
Latitude: 27° 36.50' N

Station: 02-017  
Longitude: 95° 30.00' W

Probe Type: T-7  
Date: 23-Feb-1993

Time: 1837

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.80	310.00	11.73
10.00	22.79	320.00	11.40
20.00	22.79	330.00	11.14
30.00	22.66	340.00	10.92
40.00	22.50	350.00	10.67
50.00	22.75	360.00	10.46
60.00	22.70	370.00	10.31
70.00	22.58	380.00	10.11
80.00	22.50	390.00	9.88
90.00	22.30	400.00	9.75
100.00	21.38	410.00	9.51
110.00	20.24	420.00	9.34
120.00	19.92	430.00	9.20
130.00	19.60	440.00	9.03
140.00	18.71	450.00	8.87
150.00	18.17	460.00	8.60
160.00	17.60	470.00	8.44
170.00	16.92	480.00	8.36
180.00	16.20	490.00	8.27
190.00	15.75		
200.00	15.13		
210.00	14.67		
220.00	14.41		
230.00	14.12		
240.00	13.78		
250.00	13.48		
260.00	13.09		
270.00	12.80		
280.00	12.40		
290.00	12.12		
300.00	11.96		

**Cruise:** GULFCET 04      **Station:** 02-018      **Probe Type:** T-7  
**Latitude:** 27° 41.50' N      **Longitude:** 95° 29.90' W      **Date:** 23-Feb-1993      **Time:** 1740

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.46	310.00	11.07
10.00	22.41	320.00	10.82
20.00	22.59	330.00	10.65
30.00	22.67	340.00	10.58
40.00	22.67	350.00	10.36
50.00	22.66	360.00	10.25
60.00	22.61	370.00	10.18
70.00	22.61	380.00	10.13
80.00	22.58	390.00	9.92
90.00	21.81		
100.00	21.48		
110.00	20.97		
120.00	20.19		
130.00	19.19		
140.00	18.74		
150.00	17.90		
160.00	17.14		
170.00	16.59		
180.00	16.03		
190.00	15.46		
200.00	14.97		
210.00	14.19		
220.00	13.51		
230.00	12.99		
240.00	12.93		
250.00	12.72		
260.00	12.34		
270.00	11.98		
280.00	11.54		
290.00	11.32		
300.00	11.20		

**Cruise:** GULFCET 04      **Station:** 02-019      **Probe Type:** T-10  
**Latitude:** 27° 42.00' N      **Longitude:** 95° 29.90' W      **Date:** 23-Feb-1993      **Time:** 1734

Depth (m)	Temp. (°C)
0.00	22.69
10.00	22.56
20.00	22.66
30.00	22.66
40.00	22.63
50.00	22.60
60.00	22.63
70.00	22.53
80.00	22.53
90.00	21.87
100.00	21.17
110.00	21.03
120.00	20.35
130.00	19.35
140.00	18.80
150.00	18.19
160.00	17.15
170.00	16.61
180.00	15.86
190.00	15.18
200.00	14.70
210.00	14.04

**Cruise:** GULFCET 04  
**Latitude:** 27° 51.40' N

**Station:** 03-022  
**Longitude:** 94° 50.00' W

**Probe Type:** T-10  
**Date:** 23-Feb-1993  
**Time:** 1045

Depth (m)	Temp. (°C)
0.00	22.18
10.00	21.56
20.00	21.56
30.00	21.60
40.00	21.53
50.00	20.89
60.00	20.60
70.00	20.40
80.00	20.09
90.00	19.59
100.00	19.17
110.00	19.15
120.00	18.23
130.00	17.42
140.00	16.75
150.00	16.24
160.00	15.91
170.00	15.47
180.00	15.02
190.00	14.84
200.00	14.23

**Cruise:** GULFCET 04  
**Latitude:** 27° 49.00' N

**Station:** 03-023  
**Longitude:** 94° 50.00' W

**Probe Type:** T-7  
**Date:** 23-Feb-1993  
**Time:** 1018

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.10	310.00	10.76
10.00	22.08	320.00	10.40
20.00	22.06	330.00	10.20
30.00	21.85	340.00	10.14
40.00	21.65		
50.00	21.46		
60.00	20.56		
70.00	20.48		
80.00	20.36		
90.00	20.25		
100.00	19.10		
110.00	18.75		
120.00	18.05		
130.00	17.10		
140.00	16.48		
150.00	16.00		
160.00	15.68		
170.00	15.23		
180.00	14.89		
190.00	14.61		
200.00	14.42		
210.00	13.92		
220.00	13.63		
230.00	13.36		
240.00	13.32		
250.00	12.80		
260.00	12.48		
270.00	12.15		
280.00	11.78		
290.00	11.55		
300.00	11.24		

**Cruise:** GULFCET 04      **Station:** 03-024      **Probe Type:** T-7  
**Latitude:** 27° 41.90' N      **Longitude:** 94° 49.90' W      **Date:** 23-Feb-1993      **Time:** 0912

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.81	310.00	11.51
10.00	22.77	320.00	11.38
20.00	22.77	330.00	11.35
30.00	22.77	340.00	11.27
40.00	22.62	350.00	11.07
50.00	22.65	360.00	10.91
60.00	22.73	370.00	10.72
70.00	22.81	380.00	10.50
80.00	22.68	390.00	10.41
90.00	21.77	400.00	10.30
100.00	21.10	410.00	10.24
110.00	19.90	420.00	10.13
120.00	19.02	430.00	9.98
130.00	18.21	440.00	9.86
140.00	17.78	450.00	9.78
150.00	17.17	460.00	9.63
160.00	15.87	470.00	9.35
170.00	15.37	480.00	9.15
180.00	14.91	490.00	8.70
190.00	14.67		
200.00	14.45		
210.00	14.10		
220.00	13.70		
230.00	13.45		
240.00	13.01		
250.00	12.86		
260.00	12.64		
270.00	12.57		
280.00	12.32		
290.00	12.11		
300.00	11.76		

**Cruise:** GULFCET 04      **Station:** 03-025      **Probe Type:** T-7  
**Latitude:** 27° 34.00' N      **Longitude:** 94° 50.00' W      **Date:** 23-Feb-1993      **Time:** 0753

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.81	310.00	12.43	620.00	7.16
10.00	22.76	320.00	12.20	630.00	6.99
20.00	22.74	330.00	12.03	640.00	6.84
30.00	22.74	340.00	11.89	650.00	6.70
40.00	22.74	350.00	11.73	660.00	6.61
50.00	22.71	360.00	11.38	670.00	6.51
60.00	22.58	370.00	10.95	680.00	6.46
70.00	22.47	380.00	10.81	690.00	6.37
80.00	22.74	390.00	10.65	700.00	6.30
90.00	22.59	400.00	10.41	710.00	6.24
100.00	21.82	410.00	10.25	720.00	6.16
110.00	21.72	420.00	9.97	730.00	6.13
120.00	20.68	430.00	9.89	740.00	5.78
130.00	19.86	440.00	9.74		
140.00	19.23	450.00	9.55		
150.00	18.58	460.00	9.38		
160.00	17.91	470.00	9.13		
170.00	17.36	480.00	8.99		
180.00	17.00	490.00	8.86		
190.00	16.38	500.00	8.67		
200.00	15.94	510.00	8.48		
210.00	15.58	520.00	8.41		
220.00	15.10	530.00	8.34		
230.00	14.81	540.00	8.18		
240.00	14.52	550.00	8.09		
250.00	14.20	560.00	7.99		
260.00	14.00	570.00	7.85		
270.00	13.63	580.00	7.71		
280.00	13.25	590.00	7.59		
290.00	12.90	600.00	7.46		
300.00	12.72	610.00	7.32		



Cruise: GULFCET 04 Station: 03-027 Probe Type: T-7  
 Latitude: 27° 23.10' N Longitude: 94° 49.90' W Date: 23-Feb-1993 Time: 0500

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.33	310.00	12.84	620.00	7.47
10.00	22.91	320.00	12.54	630.00	7.42
20.00	22.90	330.00	12.35	640.00	7.32
30.00	22.89	340.00	12.14	650.00	7.13
40.00	22.70	350.00	11.89	660.00	6.95
50.00	22.82	360.00	11.61	670.00	6.78
60.00	22.80	370.00	11.28	680.00	6.71
70.00	22.80	380.00	11.05	690.00	6.62
80.00	22.81	390.00	10.97	700.00	6.45
90.00	22.77	400.00	10.75	710.00	6.36
100.00	22.73	410.00	10.58	720.00	6.29
110.00	22.72	420.00	10.43	730.00	6.24
120.00	22.67	430.00	10.21	740.00	6.14
130.00	21.18	440.00	10.03	750.00	6.08
140.00	20.93	450.00	9.90	760.00	6.01
150.00	20.45	460.00	9.73	770.00	5.98
160.00	19.70	470.00	9.53	780.00	5.94
170.00	19.09	480.00	9.34	790.00	5.83
180.00	18.35	490.00	9.19	800.00	5.78
190.00	17.67	500.00	9.12	810.00	5.75
200.00	17.12	510.00	9.00	820.00	5.66
210.00	16.66	520.00	8.81		
220.00	16.10	530.00	8.67		
230.00	15.72	540.00	8.58		
240.00	15.34	550.00	8.39		
250.00	15.04	560.00	8.27		
260.00	14.71	570.00	8.18		
270.00	14.31	580.00	8.03		
280.00	13.87	590.00	7.85		
290.00	13.46	600.00	7.72		
300.00	13.15	610.00	7.64		

Cruise: GULFCET 04 Station: 03-028 Probe Type: T-7  
 Latitude: 27° 3.80' N Longitude: 94° 49.90' W Date: 22-Feb-1993 Time: 0149

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.92	310.00	14.31	620.00	7.76
10.00	22.84	320.00	13.95	630.00	7.67
20.00	22.85	330.00	13.73	640.00	7.55
30.00	22.75	340.00	13.43	650.00	7.46
40.00	22.74	350.00	12.99	660.00	7.35
50.00	22.73	360.00	12.66	670.00	7.28
60.00	22.76	370.00	12.37	680.00	7.12
70.00	22.76	380.00	12.08	690.00	7.01
80.00	22.77	390.00	11.88	700.00	6.83
90.00	22.77	400.00	11.64	710.00	6.79
100.00	22.77	410.00	11.39	720.00	6.74
110.00	22.78	420.00	11.15	730.00	6.72
120.00	22.80	430.00	10.93	740.00	6.65
130.00	22.78	440.00	10.74	750.00	6.59
140.00	22.79	450.00	10.56	760.00	6.46
150.00	22.27	460.00	10.25	770.00	6.36
160.00	21.37	470.00	10.08	780.00	6.26
170.00	20.81	480.00	9.87	790.00	6.21
180.00	19.97	490.00	9.69	800.00	6.11
190.00	19.46	500.00	9.51	810.00	6.05
200.00	18.60	510.00	9.28	820.00	5.98
210.00	18.27	520.00	9.14		
220.00	17.73	530.00	9.00		
230.00	17.21	540.00	8.95		
240.00	16.73	550.00	8.78		
250.00	16.38	560.00	8.61		
260.00	15.98	570.00	8.44		
270.00	15.65	580.00	8.27		
280.00	15.26	590.00	8.10		
290.00	14.92	600.00	7.96		
300.00	14.64	610.00	7.87		

Cruise: GULFCET 04 Station: 04-032 Probe Type: T-20  
 Latitude: 26° 37.00' N Longitude: 94° 09.90' W Date: 22-Feb-1993 Time: 0553

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.73	310.00	12.49
10.00	22.72	320.00	12.25
20.00	22.72	330.00	11.90
30.00	22.72	340.00	11.67
40.00	22.64	350.00	11.47
50.00	22.62	360.00	11.26
60.00	22.39	370.00	11.01
70.00	22.46	380.00	10.76
80.00	22.40	390.00	10.62
90.00	22.19	400.00	10.51
100.00	21.93	410.00	10.34
110.00	21.34	420.00	10.27
120.00	20.78	430.00	10.05
130.00	20.79	440.00	9.87
140.00	20.25	450.00	9.67
150.00	19.47	460.00	9.54
160.00	18.77	470.00	9.40
170.00	18.20	480.00	9.27
180.00	17.50	490.00	9.09
190.00	17.01	500.00	8.98
200.00	16.53	510.00	8.80
210.00	16.00	520.00	8.55
220.00	15.48	530.00	8.39
230.00	15.11	540.00	8.29
240.00	14.66	550.00	8.16
250.00	14.41		
260.00	14.22		
270.00	14.11		
280.00	13.70		
290.00	13.30		
300.00	12.96		

Cruise: GULFCET 04 Station: 04-037 Probe Type: T-20  
 Latitude: 27° 30.00' N Longitude: 94° 09.90' W Date: 21-Feb-1993 Time: 1928

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.88	310.00	11.22	620.00	6.78	930.00	5.16
10.00	21.27	320.00	10.97	630.00	6.66		
20.00	21.07	330.00	10.76	640.00	6.60		
30.00	20.79	340.00	10.52	650.00	6.51		
40.00	20.73	350.00	10.28	660.00	6.41		
50.00	20.58	360.00	10.13	670.00	6.31		
60.00	20.39	370.00	9.95	680.00	6.26		
70.00	20.23	380.00	9.72	690.00	6.20		
80.00	19.86	390.00	9.59	700.00	6.16		
90.00	19.08	400.00	9.41	710.00	6.11		
100.00	18.35	410.00	9.25	720.00	6.07		
110.00	17.52	420.00	9.09	730.00	6.03		
120.00	16.98	430.00	8.86	740.00	5.94		
130.00	16.64	440.00	8.77	750.00	5.93		
140.00	16.44	450.00	8.64	760.00	5.93		
150.00	16.03	460.00	8.49	770.00	5.93		
160.00	15.69	470.00	8.28	780.00	5.88		
170.00	15.24	480.00	8.14	790.00	5.81		
180.00	14.76	490.00	8.04	800.00	5.77		
190.00	14.33	500.00	7.94	810.00	5.74		
200.00	13.94	510.00	7.83	820.00	5.70		
210.00	13.69	520.00	7.72	830.00	5.67		
220.00	13.46	530.00	7.69	840.00	5.64		
230.00	13.20	540.00	7.60	850.00	5.62		
240.00	12.91	550.00	7.47	860.00	5.61		
250.00	12.63	560.00	7.39	870.00	5.55		
260.00	12.40	570.00	7.29	880.00	5.49		
270.00	12.11	580.00	7.19	890.00	5.46		
280.00	11.89	590.00	7.10	900.00	5.39		
290.00	11.71	600.00	7.02	910.00	5.22		
300.00	11.56	610.00	6.94	920.00	5.19		

Cruise: GULFCET 04 Station: 04-038 Probe Type: T-7  
 Latitude: 27° 38.00' N Longitude: 94° 09.90' W Date: 21-Feb-1993 Time: 1809

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.46	310.00	11.16	620.00	6.84
10.00	21.24	320.00	10.83	630.00	6.67
20.00	21.03	330.00	10.67	640.00	6.57
30.00	20.99	340.00	10.53	650.00	6.46
40.00	20.98	350.00	10.27	660.00	6.42
50.00	20.96	360.00	10.15	670.00	6.39
60.00	20.77	370.00	9.95	680.00	6.33
70.00	20.48	380.00	9.72	690.00	6.29
80.00	19.86	390.00	9.56	700.00	6.27
90.00	19.44	400.00	9.43	710.00	6.24
100.00	18.45	410.00	9.29	720.00	6.21
110.00	17.78	420.00	9.16	730.00	6.19
120.00	17.40	430.00	9.08	740.00	6.14
130.00	16.98	440.00	9.01		
140.00	16.49	450.00	8.85		
150.00	16.25	460.00	8.75		
160.00	15.77	470.00	8.62		
170.00	15.22	480.00	8.47		
180.00	14.86	490.00	8.33		
190.00	14.66	500.00	8.20		
200.00	14.24	510.00	8.09		
210.00	13.86	520.00	7.97		
220.00	13.51	530.00	7.81		
230.00	13.27	540.00	7.72		
240.00	12.93	550.00	7.64		
250.00	12.57	560.00	7.52		
260.00	12.31	570.00	7.37		
270.00	12.05	580.00	7.32		
280.00	11.84	590.00	7.22		
290.00	11.47	600.00	7.06		
300.00	11.30	610.00	6.94		

Cruise: GULFCET 04 Station: 04-039 Probe Type: T-7  
 Latitude: 27° 41.00' N Longitude: 94° 09.90' W Date: 21-Feb-1993 Time: 1740

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.22	310.00	10.75
10.00	20.99	320.00	10.65
20.00	20.90	330.00	10.58
30.00	20.83	340.00	10.49
40.00	20.82	350.00	10.44
50.00	20.82	360.00	10.38
60.00	20.78	370.00	10.27
70.00	20.79	380.00	10.08
80.00	19.94	390.00	9.88
90.00	18.57	400.00	9.75
100.00	17.80	410.00	9.56
110.00	17.51	420.00	9.48
120.00	17.04	430.00	9.37
130.00	16.63	440.00	8.98
140.00	16.34	450.00	8.84
150.00	16.06	460.00	8.63
160.00	15.66	470.00	8.52
170.00	15.34	480.00	8.39
180.00	14.76	490.00	8.29
190.00	14.35	500.00	8.29
200.00	14.14	510.00	8.20
210.00	13.78	520.00	8.07
220.00	13.50	530.00	7.92
230.00	13.17		
240.00	12.75		
250.00	12.47		
260.00	12.12		
270.00	11.77		
280.00	11.50		
290.00	11.13		
300.00	10.90		

**Cruise:** GULFCET 04  
**Latitude:** 27° 44.00' N

**Station:** 04-040  
**Longitude:** 94° 10.00' W

**Probe Type:** T-7  
**Date:** 21-Feb-1993  
**Time:** 1709

Depth (m)	Temp. (°C)
0.00	22.01
10.00	20.99
20.00	20.84
30.00	20.82
40.00	20.80
50.00	20.80
60.00	20.79
70.00	20.73
80.00	20.39
90.00	19.47
100.00	18.53
110.00	17.97
120.00	17.50
130.00	17.02
140.00	16.51
150.00	16.13
160.00	15.73
170.00	15.31
180.00	15.02
190.00	14.61
200.00	14.26
210.00	14.04
220.00	13.68
230.00	13.37
240.00	12.83
250.00	12.40
260.00	12.10
270.00	11.92
280.00	11.84
290.00	11.77
300.00	11.68

**Cruise:** GULFCET 04  
**Latitude:** 27° 49.50' N

**Station:** 04-041  
**Longitude:** 94° 09.90' W

**Probe Type:** T-10  
**Date:** 21-Feb-1993  
**Time:** 1615

Depth (m)	Temp. (°C)
0.00	21.05
10.00	20.80
20.00	20.78
30.00	20.78
40.00	20.78
50.00	20.76
60.00	20.68
70.00	20.29
80.00	20.11
90.00	19.88
100.00	18.49
110.00	17.90
120.00	17.07
130.00	16.46
140.00	16.00
150.00	15.74
160.00	15.45
170.00	15.43
180.00	15.35

**Cruise:** GULFCET 04  
**Latitude:** 27° 37.90' N

**Station:** 05-044  
**Longitude:** 93° 30.00' W

**Probe Type:** T-10  
**Date:** 21-Feb-1993  
**Time:** 0850

Depth (m)	Temp. (°C)
0.00	20.80
10.00	20.63
20.00	20.63
30.00	20.58
40.00	20.51
50.00	20.50
60.00	20.49
70.00	20.50
80.00	20.49
90.00	20.46
100.00	19.62
110.00	18.83
120.00	18.29
130.00	17.67
140.00	16.70
150.00	16.13
160.00	15.73
170.00	15.11
180.00	14.59
190.00	14.12

**Cruise:** GULFCET 04  
**Latitude:** 27° 34.90' N

**Station:** 05-045  
**Longitude:** 93° 29.90' W

**Probe Type:** T-7  
**Date:** 21-Feb-1993  
**Time:** 0633

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.25	310.00	11.89
10.00	20.75	320.00	11.72
20.00	20.75		
30.00	20.73		
40.00	20.73		
50.00	20.64		
60.00	20.63		
70.00	20.63		
80.00	20.63		
90.00	20.63		
100.00	19.80		
110.00	18.88		
120.00	18.52		
130.00	17.53		
140.00	16.98		
150.00	16.26		
160.00	15.75		
170.00	15.35		
180.00	14.76		
190.00	14.46		
200.00	14.25		
210.00	13.56		
220.00	13.33		
230.00	13.11		
240.00	12.67		
250.00	12.54		
260.00	12.45		
270.00	12.29		
280.00	12.17		
290.00	12.06		
300.00	11.99		

**Cruise:** GULFCET 04      **Station:** 05-046      **Probe Type:** T-7  
**Latitude:** 27° 33.00' N      **Longitude:** 93° 29.90' W      **Date:** 21-Feb-1993      **Time:** 0611

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.91	310.00	11.04
10.00	20.57	320.00	10.78
20.00	20.57	330.00	10.69
30.00	20.57	340.00	10.59
40.00	20.54	350.00	10.46
50.00	20.53	360.00	10.41
60.00	20.52	370.00	10.20
70.00	20.42	380.00	10.16
80.00	20.41	390.00	9.87
90.00	20.37	400.00	9.61
100.00	20.12	410.00	9.48
110.00	18.93	420.00	9.43
120.00	17.97	430.00	9.13
130.00	17.38	440.00	9.10
140.00	16.71	450.00	8.92
150.00	16.33		
160.00	15.83		
170.00	15.35		
180.00	14.82		
190.00	14.32		
200.00	13.90		
210.00	13.56		
220.00	13.30		
230.00	13.00		
240.00	12.53		
250.00	12.31		
260.00	11.99		
270.00	11.87		
280.00	11.63		
290.00	11.51		
300.00	11.39		

**Cruise:** GULFCET 04      **Station:** 05-048      **Probe Type:** T-7  
**Latitude:** 27° 21.00' N      **Longitude:** 93° 29.90' W      **Date:** 21-Feb-1993      **Time:** 0330

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.75	310.00	10.81	620.00	6.40
10.00	20.65	320.00	10.55	630.00	6.37
20.00	20.60	330.00	10.34	640.00	6.35
30.00	20.48	340.00	10.16	650.00	6.27
40.00	20.47	350.00	9.87	660.00	6.26
50.00	20.45	360.00	9.68	670.00	6.21
60.00	20.46	370.00	9.58		
70.00	20.47	380.00	9.37		
80.00	19.94	390.00	9.28		
90.00	19.31	400.00	9.06		
100.00	18.94	410.00	9.02		
110.00	18.52	420.00	8.71		
120.00	17.82	430.00	8.59		
130.00	17.31	440.00	8.40		
140.00	16.94	450.00	8.16		
150.00	16.44	460.00	7.98		
160.00	16.00	470.00	7.92		
170.00	15.61	480.00	7.87		
180.00	15.19	490.00	7.84		
190.00	14.86	500.00	7.71		
200.00	14.41	510.00	7.43		
210.00	13.97	520.00	7.26		
220.00	13.59	530.00	7.15		
230.00	13.23	540.00	7.06		
240.00	12.95	550.00	6.87		
250.00	12.55	560.00	6.80		
260.00	12.22	570.00	6.75		
270.00	11.80	580.00	6.67		
280.00	11.62	590.00	6.59		
290.00	11.41	600.00	6.53		
300.00	11.02	610.00	6.47		

Cruise: GULFCET 04 Station: 05-049 Probe Type: T-20  
 Latitude: 27° 06.00' N Longitude: 93° 29.90' W Date: 21-Feb-1993 Time: 0100

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.77	310.00	10.90	620.00	6.34
10.00	21.49	320.00	10.73	630.00	6.22
20.00	21.46	330.00	10.46	640.00	6.15
30.00	20.94	340.00	10.21	650.00	6.06
40.00	20.88	350.00	9.91	660.00	5.97
50.00	20.84	360.00	9.71	670.00	5.93
60.00	20.83	370.00	9.58	680.00	5.86
70.00	20.44	380.00	9.44	690.00	5.82
80.00	20.24	390.00	9.24	700.00	5.78
90.00	19.68	400.00	9.15	710.00	5.74
100.00	19.12	410.00	8.92	720.00	5.70
110.00	18.46	420.00	8.81	730.00	5.68
120.00	17.86	430.00	8.67	740.00	5.62
130.00	17.43	440.00	8.53	750.00	5.58
140.00	16.98	450.00	8.46	760.00	5.55
150.00	16.55	460.00	8.39	770.00	5.49
160.00	16.06	470.00	8.14	780.00	5.45
170.00	15.62	480.00	7.94	790.00	5.39
180.00	15.16	490.00	7.71	800.00	5.34
190.00	14.72	500.00	7.62	810.00	5.30
200.00	14.18	510.00	7.48	820.00	5.27
210.00	13.83	520.00	7.37	830.00	5.27
220.00	13.40	530.00	7.21	840.00	5.27
230.00	13.10	540.00	7.09	850.00	5.26
240.00	12.84	550.00	6.94	860.00	5.24
250.00	12.42	560.00	6.85	870.00	5.24
260.00	12.16	570.00	6.76	880.00	5.23
270.00	12.01	580.00	6.65	890.00	5.24
280.00	11.73	590.00	6.58	900.00	5.24
290.00	11.49	600.00	6.51		
300.00	11.18	610.00	6.47		

Cruise: GULFCET 04 Station: 05-051 Probe Type: T-20  
 Latitude: 26° 43.10' N Longitude: 93° 30.00' W Date: 20-Feb-1993 Time: 2004

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.53	310.00	11.47	620.00	6.70	930.00	4.91
10.00	21.54	320.00	11.21	630.00	6.58	940.00	4.85
20.00	21.52	330.00	11.04	640.00	6.46	950.00	4.83
30.00	21.09	340.00	10.71	650.00	6.38	960.00	4.81
40.00	21.06	350.00	10.59	660.00	6.28	970.00	4.75
50.00	21.05	360.00	10.41	670.00	6.21	980.00	4.71
60.00	21.05	370.00	10.30	680.00	6.16	990.00	4.69
70.00	20.97	380.00	9.98	690.00	6.10		
80.00	20.85	390.00	9.76	700.00	6.06		
90.00	20.58	400.00	9.64	710.00	5.97		
100.00	20.43	410.00	9.50	720.00	5.92		
110.00	20.03	420.00	9.37	730.00	5.87		
120.00	19.48	430.00	9.19	740.00	5.77		
130.00	18.63	440.00	9.11	750.00	5.71		
140.00	18.05	450.00	8.89	760.00	5.64		
150.00	17.36	460.00	8.72	770.00	5.61		
160.00	16.82	470.00	8.50	780.00	5.55		
170.00	16.28	480.00	8.35	790.00	5.48		
180.00	15.85	490.00	8.16	800.00	5.42		
190.00	15.51	500.00	8.07	810.00	5.37		
200.00	15.04	510.00	7.90	820.00	5.35		
210.00	14.60	520.00	7.75	830.00	5.30		
220.00	14.21	530.00	7.65	840.00	5.26		
230.00	13.75	540.00	7.60	850.00	5.22		
240.00	13.51	550.00	7.46	860.00	5.19		
250.00	13.13	560.00	7.31	870.00	5.12		
260.00	12.79	570.00	7.22	880.00	5.08		
270.00	12.54	580.00	7.10	890.00	5.04		
280.00	12.27	590.00	6.96	900.00	5.02		
290.00	11.97	600.00	6.89	910.00	4.98		
300.00	11.76	610.00	6.78	920.00	4.95		

Cruise: GULFCET 04 Station: 06-056 Probe Type: T-20  
 Latitude: 26° 52.00' N Longitude: 92° 49.90' W Date: 20-Feb-1993 Time: 0141

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.93	310.00	10.86	620.00	6.50	930.00	4.94
10.00	20.86	320.00	10.68	630.00	6.40	940.00	4.92
20.00	20.86	330.00	10.50	640.00	6.33	950.00	4.91
30.00	20.85	340.00	10.30	650.00	6.25	960.00	4.89
40.00	20.85	350.00	10.18	660.00	6.18	970.00	4.87
50.00	20.84	360.00	10.03	670.00	6.13	980.00	4.85
60.00	20.82	370.00	9.83	680.00	6.08	990.00	4.81
70.00	20.83	380.00	9.65	690.00	6.01		
80.00	20.00	390.00	9.37	700.00	5.95		
90.00	19.00	400.00	9.25	710.00	5.90		
100.00	18.51	410.00	9.01	720.00	5.85		
110.00	17.96	420.00	8.87	730.00	5.79		
120.00	17.26	430.00	8.73	740.00	5.70		
130.00	16.72	440.00	8.63	750.00	5.69		
140.00	16.38	450.00	8.53	760.00	5.66		
150.00	15.93	460.00	8.37	770.00	5.60		
160.00	15.45	470.00	8.28	780.00	5.55		
170.00	15.12	480.00	8.12	790.00	5.49		
180.00	14.67	490.00	7.95	800.00	5.44		
190.00	14.34	500.00	7.84	810.00	5.39		
200.00	14.07	510.00	7.72	820.00	5.34		
210.00	13.81	520.00	7.64	830.00	5.29		
220.00	13.47	530.00	7.49	840.00	5.26		
230.00	13.04	540.00	7.39	850.00	5.17		
240.00	12.76	550.00	7.25	860.00	5.11		
250.00	12.44	560.00	7.12	870.00	5.07		
260.00	12.22	570.00	6.97	880.00	5.05		
270.00	11.94	580.00	6.89	890.00	4.99		
280.00	11.62	590.00	6.82	900.00	4.98		
290.00	11.39	600.00	6.74	910.00	4.96		
300.00	11.16	610.00	6.62	920.00	4.95		

Cruise: GULFCET 04 Station: 06-058 Probe Type: T-20  
 Latitude: 27° 18.80' N Longitude: 92° 50.00' W Date: 19-Feb-1993 Time: 2121

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.85	310.00	10.89	620.00	6.49	930.00	5.18
10.00	20.79	320.00	10.72	630.00	6.41	940.00	5.18
20.00	20.79	330.00	10.47	640.00	6.36	950.00	5.15
30.00	20.77	340.00	10.29	650.00	6.29	960.00	5.12
40.00	20.78	350.00	10.06	660.00	6.26	970.00	5.11
50.00	20.78	360.00	9.78	670.00	6.19	980.00	5.09
60.00	20.77	370.00	9.59	680.00	6.12	990.00	5.02
70.00	20.77	380.00	9.39	690.00	6.05		
80.00	19.84	390.00	9.27	700.00	5.96		
90.00	19.11	400.00	9.16	710.00	5.93		
100.00	18.45	410.00	9.03	720.00	5.86		
110.00	17.74	420.00	8.95	730.00	5.77		
120.00	17.16	430.00	8.85	740.00	5.73		
130.00	16.62	440.00	8.71	750.00	5.64		
140.00	16.15	450.00	8.57	760.00	5.63		
150.00	15.91	460.00	8.44	770.00	5.59		
160.00	15.53	470.00	8.34	780.00	5.58		
170.00	15.14	480.00	8.18	790.00	5.57		
180.00	14.65	490.00	7.95	800.00	5.46		
190.00	14.27	500.00	7.76	810.00	5.42		
200.00	13.97	510.00	7.65	820.00	5.39		
210.00	13.72	520.00	7.56	830.00	5.37		
220.00	13.41	530.00	7.46	840.00	5.35		
230.00	13.13	540.00	7.37	850.00	5.33		
240.00	12.81	550.00	7.15	860.00	5.28		
250.00	12.58	560.00	7.05	870.00	5.22		
260.00	12.30	570.00	6.93	880.00	5.22		
270.00	11.93	580.00	6.84	890.00	5.21		
280.00	11.69	590.00	6.76	900.00	5.21		
290.00	11.41	600.00	6.66	910.00	5.21		
300.00	11.13	610.00	6.62	920.00	5.19		



**Cruise:** GULFCET 04      **Station:** 06-060      **Probe Type:** T-7  
**Latitude:** 27° 33.70' N      **Longitude:** 92° 49.50' W      **Date:** 19-Feb-1993      **Time:** 1745

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.81	310.00	11.34	620.00	6.91
10.00	20.69	320.00	11.12	630.00	6.91
20.00	20.69	330.00	10.70	640.00	6.78
30.00	20.69	340.00	10.52	650.00	6.67
40.00	20.70	350.00	10.32	660.00	6.42
50.00	20.67	360.00	10.15		
60.00	20.68	370.00	9.96		
70.00	20.63	380.00	9.69		
80.00	20.59	390.00	9.64		
90.00	19.37	400.00	9.53		
100.00	18.64	410.00	9.36		
110.00	18.24	420.00	9.19		
120.00	17.81	430.00	9.06		
130.00	17.19	440.00	8.85		
140.00	16.60	450.00	8.76		
150.00	16.14	460.00	8.69		
160.00	15.82	470.00	8.63		
170.00	15.29	480.00	8.56		
180.00	14.91	490.00	8.47		
190.00	14.61	500.00	8.40		
200.00	14.41	510.00	8.32		
210.00	14.11	520.00	8.19		
220.00	13.53	530.00	7.87		
230.00	13.31	540.00	7.74		
240.00	13.09	550.00	7.58		
250.00	12.94	560.00	7.36		
260.00	12.55	570.00	7.29		
270.00	12.25	580.00	7.26		
280.00	11.95	590.00	7.18		
290.00	11.69	600.00	7.04		
300.00	11.50	610.00	6.99		

**Cruise:** GULFCET 04      **Station:** 06-062      **Probe Type:** T-7  
**Latitude:** 27° 43.00' N      **Longitude:** 92° 50.00' W      **Date:** 19-Feb-1993      **Time:** 1545

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.63	310.00	11.35
10.00	20.50	320.00	11.28
20.00	20.50		
30.00	20.49		
40.00	20.48		
50.00	20.47		
60.00	20.45		
70.00	20.42		
80.00	20.40		
90.00	20.38		
100.00	19.78		
110.00	19.10		
120.00	18.28		
130.00	17.53		
140.00	16.87		
150.00	16.03		
160.00	15.69		
170.00	15.11		
180.00	14.77		
190.00	14.09		
200.00	13.89		
210.00	13.58		
220.00	13.40		
230.00	13.01		
240.00	12.72		
250.00	12.35		
260.00	11.85		
270.00	11.82		
280.00	11.63		
290.00	11.44		
300.00	11.35		

**Cruise:** GULFCET 04      **Station:** 06-063      **Probe Type:** T-10  
**Latitude:** 27° 54.50' N      **Longitude:** 92° 50.00' W      **Date:** 19-Feb-1993      **Time:** 1351

Depth (m)	Temp. (°C)
0.00	20.96
10.00	20.57
20.00	20.57
30.00	20.56
40.00	20.55
50.00	20.55
60.00	20.51
70.00	20.47
80.00	20.32
90.00	20.04
100.00	19.36
110.00	18.71
120.00	18.11
130.00	17.35
140.00	16.76
150.00	16.08
160.00	15.37
170.00	15.03
180.00	14.71
190.00	14.22

**Cruise:** GULFCET 04      **Station:** 07-066      **Probe Type:** T-10  
**Latitude:** 27° 52.90' N      **Longitude:** 92° 10.00' W      **Date:** 19-Feb-1993      **Time:** 0647

Depth (m)	Temp. (°C)
0.00	20.69
10.00	20.65
20.00	20.65
30.00	20.66
40.00	20.65
50.00	20.65
60.00	20.53
70.00	20.47
80.00	20.40
90.00	20.16
100.00	19.32
110.00	18.70
120.00	17.92
130.00	17.09
140.00	16.80
150.00	16.34
160.00	15.95
170.00	15.36
180.00	15.06
190.00	14.71
200.00	14.42
210.00	14.14

Cruise: GULFCET 04  
Latitude: 27° 52.20' N

Station: 07-067  
Longitude: 92° 09.90' W

Probe Type: T-7  
Date: 19-Feb-1993

Time: 0635

Depth (m)	Temp. (°C)
0.00	20.72
10.00	20.70
20.00	20.70
30.00	20.70
40.00	20.70
50.00	20.70
60.00	20.70
70.00	20.70
80.00	20.42
90.00	20.26
100.00	19.53
110.00	19.00
120.00	18.20
130.00	17.56
140.00	17.09
150.00	16.71
160.00	16.29
170.00	15.92
180.00	15.61
190.00	14.95
200.00	14.50
210.00	14.23
220.00	13.87
230.00	13.77
240.00	13.36
250.00	13.11
260.00	12.90
270.00	12.65
280.00	12.52

Cruise: GULFCET 04  
Latitude: 27° 44.80' N

Station: 07-068  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 19-Feb-1993

Time: 0530

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.64	310.00	11.40
10.00	20.61	320.00	11.25
20.00	20.60	330.00	11.03
30.00	20.60	340.00	10.79
40.00	20.61	350.00	10.51
50.00	20.62	360.00	10.29
60.00	20.61	370.00	10.00
70.00	20.62	380.00	9.85
80.00	20.62	390.00	9.71
90.00	20.53	400.00	9.63
100.00	19.84	410.00	9.45
110.00	18.72	420.00	9.34
120.00	17.96	430.00	9.21
130.00	17.49	440.00	9.16
140.00	16.83	450.00	9.00
150.00	16.35	460.00	8.84
160.00	15.97	470.00	8.62
170.00	15.56	480.00	8.52
180.00	15.13		
190.00	14.69		
200.00	14.18		
210.00	13.93		
220.00	13.77		
230.00	13.39		
240.00	13.03		
250.00	12.73		
260.00	12.57		
270.00	12.46		
280.00	12.19		
290.00	11.91		
300.00	11.69		

Cruise: GULFCET 04 Station: 07-069 Probe Type: T-7  
 Latitude: 27° 37.00' N Longitude: 92° 09.90' W Date: 19-Feb-1993 Time: 0414

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.81	310.00	11.11	620.00	6.71
10.00	20.75	320.00	10.87	630.00	6.58
20.00	20.73	330.00	10.48	640.00	6.42
30.00	20.75	340.00	10.23	650.00	6.32
40.00	20.75	350.00	10.04	660.00	6.24
50.00	20.74	360.00	9.89	670.00	6.19
60.00	20.75	370.00	9.73	680.00	6.13
70.00	20.76	380.00	9.61	690.00	6.07
80.00	20.75	390.00	9.49		
90.00	20.13	400.00	9.42		
100.00	19.43	410.00	9.32		
110.00	18.68	420.00	9.26		
120.00	18.16	430.00	9.20		
130.00	17.65	440.00	9.03		
140.00	17.16	450.00	8.94		
150.00	16.51	460.00	8.81		
160.00	15.99	470.00	8.47		
170.00	15.65	480.00	8.24		
180.00	15.35	490.00	8.08		
190.00	14.98	500.00	7.90		
200.00	14.74	510.00	7.77		
210.00	14.37	520.00	7.57		
220.00	13.88	530.00	7.45		
230.00	13.43	540.00	7.34		
240.00	13.15	550.00	7.24		
250.00	12.81	560.00	7.19		
260.00	12.38	570.00	7.13		
270.00	12.05	580.00	7.04		
280.00	11.75	590.00	6.97		
290.00	11.53	600.00	6.87		
300.00	11.31	610.00	6.77		

Cruise: GULFCET 04 Station: 07-070 Probe Type: T-20  
 Latitude: 27° 29.40' N Longitude: 92° 09.90' W Date: 19-Feb-1993 Time: 0305

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.86	310.00	11.26	620.00	6.48
10.00	20.89	320.00	11.08	630.00	6.39
20.00	20.88	330.00	10.86	640.00	6.34
30.00	20.87	340.00	10.63	650.00	6.31
40.00	20.87	350.00	10.38	660.00	6.25
50.00	20.88	360.00	10.21	670.00	6.21
60.00	20.87	370.00	9.97	680.00	6.13
70.00	20.85	380.00	9.71	690.00	6.04
80.00	20.41	390.00	9.52	700.00	6.03
90.00	19.55	400.00	9.27	710.00	6.00
100.00	19.13	410.00	9.08	720.00	5.96
110.00	18.72	420.00	8.91	730.00	5.86
120.00	18.03	430.00	8.72	740.00	5.80
130.00	17.61	440.00	8.61	750.00	5.79
140.00	16.98	450.00	8.48	760.00	5.74
150.00	16.48	460.00	8.34	770.00	5.71
160.00	16.07	470.00	8.18	780.00	5.69
170.00	15.70	480.00	8.00	790.00	5.63
180.00	15.29	490.00	7.80	800.00	5.48
190.00	14.78	500.00	7.70	810.00	5.43
200.00	14.45	510.00	7.57	820.00	5.41
210.00	14.10	520.00	7.51		
220.00	13.80	530.00	7.30		
230.00	13.48	540.00	7.21		
240.00	13.18	550.00	7.09		
250.00	12.81	560.00	6.96		
260.00	12.50	570.00	6.82		
270.00	12.25	580.00	6.73		
280.00	12.04	590.00	6.67		
290.00	11.75	600.00	6.59		
300.00	11.51	610.00	6.53		

**Cruise:** GULFCET 04      **Station:** 07-072      **Probe Type:** T-20  
**Latitude:** 27° 10.00' N      **Longitude:** 92° 09.90' W      **Date:** 18-Feb-1993      **Time:** 2308

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.81	310.00	11.20	620.00	6.65	930.00	5.14
10.00	20.77	320.00	11.00	630.00	6.56	940.00	5.10
20.00	20.73	330.00	10.84	640.00	6.49	950.00	5.09
30.00	20.72	340.00	10.58	650.00	6.41	960.00	4.95
40.00	20.72	350.00	10.37	660.00	6.34	970.00	4.95
50.00	20.72	360.00	10.22	670.00	6.23	980.00	4.90
60.00	20.72	370.00	10.12	680.00	6.16	990.00	4.89
70.00	20.72	380.00	9.86	690.00	6.06		
80.00	20.30	390.00	9.67	700.00	5.96		
90.00	19.75	400.00	9.47	710.00	5.88		
100.00	19.13	410.00	9.35	720.00	5.83		
110.00	18.36	420.00	9.15	730.00	5.77		
120.00	17.84	430.00	8.99	740.00	5.74		
130.00	17.31	440.00	8.82	750.00	5.69		
140.00	16.77	450.00	8.65	760.00	5.62		
150.00	16.34	460.00	8.43	770.00	5.60		
160.00	15.91	470.00	8.27	780.00	5.57		
170.00	15.43	480.00	8.11	790.00	5.53		
180.00	15.02	490.00	8.02	800.00	5.52		
190.00	14.69	500.00	7.88	810.00	5.48		
200.00	14.38	510.00	7.76	820.00	5.44		
210.00	13.96	520.00	7.66	830.00	5.43		
220.00	13.64	530.00	7.56	840.00	5.38		
230.00	13.26	540.00	7.42	850.00	5.35		
240.00	12.97	550.00	7.36	860.00	5.30		
250.00	12.76	560.00	7.30	870.00	5.26		
260.00	12.41	570.00	7.17	880.00	5.23		
270.00	12.20	580.00	7.06	890.00	5.16		
280.00	11.91	590.00	6.93	900.00	5.12		
290.00	11.65	600.00	6.81	910.00	5.08		
300.00	11.38	610.00	6.73	920.00	5.06		

**Cruise:** GULFCET 04      **Station:** 08-079      **Probe Type:** T-20  
**Latitude:** 27° 23.00' N      **Longitude:** 91° 30.00' W      **Date:** 17-Feb-1993      **Time:** 2100

Depth (m)	Temp. (°C)
0.00	20.72
10.00	20.79
20.00	20.81
30.00	20.86
40.00	20.98
50.00	21.05
60.00	20.74
70.00	20.47
80.00	19.98
90.00	19.63
100.00	19.08
110.00	18.45
120.00	18.01
130.00	17.47
140.00	16.83
150.00	16.25
160.00	15.68
170.00	15.15
180.00	14.66
190.00	14.36
200.00	13.96
210.00	13.72
220.00	13.40
230.00	13.12
240.00	12.78
250.00	12.53
260.00	12.39
270.00	12.18
280.00	11.93
290.00	11.62
300.00	11.38

**Cruise:** GULFCET 04      **Station:** 08-081      **Probe Type:** T-20  
**Latitude:** 27° 33.00' N      **Longitude:** 91° 30.00' W      **Date:** 17-Feb-1993      **Time:** 1817

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.42	310.00	11.66	620.00	7.22
10.00	20.46	320.00	11.41	630.00	7.12
20.00	20.94	330.00	11.28	640.00	7.00
30.00	21.08	340.00	11.28	650.00	6.89
40.00	21.12	350.00	11.03	660.00	6.79
50.00	20.98	360.00	10.80	670.00	6.70
60.00	21.14	370.00	10.64	680.00	6.59
70.00	21.14	380.00	10.62	690.00	6.53
80.00	20.92	390.00	10.57	700.00	6.46
90.00	20.31	400.00	10.43	710.00	6.36
100.00	20.13	410.00	10.35	720.00	6.29
110.00	18.98	420.00	10.22	730.00	6.26
120.00	18.51	430.00	9.96	740.00	6.21
130.00	18.03	440.00	9.84	750.00	6.17
140.00	17.30	450.00	9.61	760.00	6.12
150.00	16.66	460.00	9.38	770.00	6.06
160.00	16.38	470.00	9.31	780.00	5.99
170.00	15.99	480.00	9.18	790.00	6.13
180.00	15.41	490.00	8.88	800.00	5.98
190.00	14.77	500.00	8.61	810.00	5.88
200.00	14.40	510.00	8.47	820.00	5.82
210.00	14.21	520.00	8.28	830.00	5.73
220.00	13.95	530.00	8.19	840.00	5.69
230.00	13.71	540.00	8.03	850.00	5.66
240.00	13.34	550.00	7.85	860.00	5.59
250.00	13.25	560.00	7.66	870.00	5.56
260.00	12.96	570.00	7.58	880.00	5.54
270.00	12.60	580.00	7.50	890.00	5.54
280.00	12.35	590.00	7.43	900.00	5.54
290.00	12.25	600.00	7.37	910.00	5.54
300.00	11.91	610.00	7.31		

**Cruise:** GULFCET 04      **Station:** 08-082      **Probe Type:** T-7  
**Latitude:** 27° 45.50' N      **Longitude:** 91° 30.00' W      **Date:** 17-Feb-1993      **Time:** 1617

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.51	310.00	11.30	620.00	6.52
10.00	20.50	320.00	11.10	630.00	6.44
20.00	20.54	330.00	10.90	640.00	6.36
30.00	20.76	340.00	10.65	650.00	6.28
40.00	20.74	350.00	10.33	660.00	6.21
50.00	20.75	360.00	10.15	670.00	6.14
60.00	20.74	370.00	9.97	680.00	6.10
70.00	20.75	380.00	9.86	690.00	6.06
80.00	20.74	390.00	9.71	700.00	6.03
90.00	20.40	400.00	9.64		
100.00	19.42	410.00	9.58		
110.00	18.83	420.00	9.51		
120.00	18.41	430.00	9.27		
130.00	17.53	440.00	9.07		
140.00	16.78	450.00	8.78		
150.00	16.19	460.00	8.50		
160.00	15.85	470.00	8.29		
170.00	15.44	480.00	8.14		
180.00	15.03	490.00	8.00		
190.00	14.52	500.00	7.93		
200.00	14.28	510.00	7.81		
210.00	13.84	520.00	7.69		
220.00	13.62	530.00	7.57		
230.00	13.26	540.00	7.21		
240.00	13.10	550.00	7.11		
250.00	12.64	560.00	7.04		
260.00	12.45	570.00	6.98		
270.00	12.26	580.00	6.84		
280.00	12.05	590.00	6.73		
290.00	11.83	600.00	6.70		
300.00	11.66	610.00	6.67		

**Cruise:** GULFCET 04      **Station:** 08-083      **Probe Type:** T-7  
**Latitude:** 27° 49.50' N      **Longitude:** 91° 30.00' W      **Date:** 17-Feb-1993      **Time:** 1540

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.46	310.00	11.64
10.00	20.37	320.00	11.39
20.00	20.72	330.00	11.27
30.00	20.85	340.00	11.12
40.00	20.85	350.00	10.93
50.00	20.82	360.00	10.40
60.00	20.73		
70.00	20.59		
80.00	20.53		
90.00	20.22		
100.00	19.05		
110.00	18.40		
120.00	17.71		
130.00	17.21		
140.00	16.86		
150.00	16.26		
160.00	15.92		
170.00	15.38		
180.00	14.99		
190.00	14.70		
200.00	14.34		
210.00	14.11		
220.00	13.73		
230.00	13.55		
240.00	13.37		
250.00	13.16		
260.00	12.81		
270.00	12.64		
280.00	12.25		
290.00	11.99		
300.00	11.82		

**Cruise:** GULFCET 04      **Station:** 08-084      **Probe Type:** T-7  
**Latitude:** 27° 52.00' N      **Longitude:** 91° 30.00' W      **Date:** 17-Feb-1993      **Time:** 1517

Depth (m)	Temp. (°C)
0.00	20.45
10.00	20.26
20.00	20.54
30.00	20.82
40.00	20.87
50.00	20.83
60.00	20.69
70.00	20.58
80.00	20.56
90.00	20.42
100.00	19.33
110.00	18.79
120.00	17.83
130.00	17.57
140.00	17.03
150.00	16.35
160.00	15.59
170.00	15.33
180.00	15.08
190.00	14.72
200.00	14.30
210.00	14.04
220.00	13.99
230.00	13.82
240.00	13.55
250.00	13.11
260.00	13.05

**Cruise:** GULFCET 04  
**Latitude:** 27° 52.90' N

**Station:** 08-085  
**Longitude:** 91° 30.00' W

**Probe Type:** T-10  
**Date:** 17-Feb-1993

**Time:** 1508

Depth (m)	Temp. (°C)
0.00	20.30
10.00	20.21
20.00	20.50
30.00	20.82
40.00	20.85
50.00	20.83
60.00	20.69
70.00	20.55
80.00	20.51
90.00	20.15
100.00	18.98
110.00	18.56
120.00	17.83
130.00	17.11
140.00	16.69
150.00	16.21
160.00	15.74
170.00	15.42
180.00	15.30
190.00	14.84

**Cruise:** GULFCET 04  
**Latitude:** 28° 03.00' N

**Station:** 09-088  
**Longitude:** 90° 49.90' W

**Probe Type:** T-10  
**Date:** 17-Feb-1993

**Time:** 0704

Depth (m)	Temp. (°C)
0.00	19.97
10.00	21.05
20.00	21.67
30.00	21.69
40.00	21.45
50.00	20.86
60.00	20.71
70.00	20.51
80.00	19.88
90.00	19.22
100.00	18.19
110.00	17.57
120.00	17.30
130.00	16.98
140.00	16.91
150.00	16.74
160.00	16.51
170.00	16.25
180.00	15.87
190.00	14.63



**Cruise:** GULFCET 04  
**Latitude:** 28° 00.00' N

**Station:** 09-089  
**Longitude:** 90° 49.90' W

**Probe Type:** T-7  
**Date:** 17-Feb-1993

**Time:** 0639

Depth (m)	Temp. (°C)
0.00	20.74
10.00	21.16
20.00	21.87
30.00	21.68
40.00	21.36
50.00	21.26
60.00	20.64
70.00	20.00
80.00	19.72
90.00	18.68
100.00	18.16
110.00	17.38
120.00	16.68
130.00	16.46
140.00	16.39
150.00	16.12
160.00	15.84
170.00	15.62
180.00	15.00
190.00	14.52
200.00	14.20
210.00	13.86
220.00	13.55
230.00	13.17
240.00	12.88
250.00	12.77
260.00	12.50
270.00	12.46
280.00	12.32
290.00	12.16
300.00	11.68

**Cruise:** GULFCET 04  
**Latitude:** 27° 52.00' N

**Station:** 09-090  
**Longitude:** 90° 50.00' W

**Probe Type:** T-7  
**Date:** 17-Feb-1993

**Time:** 0514

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.48	310.00	11.21
10.00	21.48	320.00	11.05
20.00	21.49	330.00	10.82
30.00	21.40	340.00	10.72
40.00	20.94	350.00	10.28
50.00	20.75	360.00	10.06
60.00	20.50	370.00	9.62
70.00	19.75	380.00	9.26
80.00	19.06	390.00	9.06
90.00	18.01	400.00	8.92
100.00	17.58		
110.00	16.98		
120.00	16.62		
130.00	16.44		
140.00	15.87		
150.00	15.48		
160.00	15.19		
170.00	14.71		
180.00	14.29		
190.00	14.11		
200.00	13.74		
210.00	13.36		
220.00	13.04		
230.00	12.80		
240.00	12.61		
250.00	12.34		
260.00	12.00		
270.00	11.54		
280.00	11.40		
290.00	11.39		
300.00	11.32		

**Cruise:** GULFCET 04      **Station:** 09-091      **Probe Type:** T-7      **Time:** 0414  
**Latitude:** 27° 45.90' N      **Longitude:** 90° 50.00' W      **Date:** 17-Feb-1993

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.71	310.00	10.80
10.00	21.70	320.00	10.61
20.00	21.71	330.00	10.36
30.00	21.13	340.00	10.13
40.00	20.70	350.00	9.88
50.00	20.50		
60.00	19.90		
70.00	19.18		
80.00	18.70		
90.00	17.96		
100.00	17.58		
110.00	17.04		
120.00	16.49		
130.00	15.98		
140.00	15.48		
150.00	14.99		
160.00	14.69		
170.00	14.45		
180.00	13.80		
190.00	13.53		
200.00	13.23		
210.00	12.88		
220.00	12.66		
230.00	12.42		
240.00	12.22		
250.00	11.92		
260.00	11.71		
270.00	11.58		
280.00	11.40		
290.00	11.19		
300.00	10.98		

**Cruise:** GULFCET 04      **Station:** 09-092      **Probe Type:** T-20      **Time:** 0308  
**Latitude:** 27° 39.50' N      **Longitude:** 90° 50.00' W      **Date:** 17-Feb-1993

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.02	310.00	10.24	620.00	6.54
10.00	21.81	320.00	10.05	630.00	6.48
20.00	21.81	330.00	9.86	640.00	6.43
30.00	21.81	340.00	9.63	650.00	6.29
40.00	21.82	350.00	9.45	660.00	6.20
50.00	20.82	360.00	9.27	670.00	6.14
60.00	19.76	370.00	9.15	680.00	6.13
70.00	19.12	380.00	9.01	690.00	6.09
80.00	18.38	390.00	8.91	700.00	6.01
90.00	17.78	400.00	8.77	710.00	5.86
100.00	17.42	410.00	8.66	720.00	5.81
110.00	16.88	420.00	8.48	730.00	5.76
120.00	16.48	430.00	8.32	740.00	5.73
130.00	16.00	440.00	8.10	750.00	5.67
140.00	15.52	450.00	7.94	760.00	5.61
150.00	15.33	460.00	7.72	770.00	5.57
160.00	14.93	470.00	7.57	780.00	5.53
170.00	14.68	480.00	7.50	790.00	5.47
180.00	14.24	490.00	7.40		
190.00	13.91	500.00	7.29		
200.00	13.48	510.00	7.23		
210.00	13.24	520.00	7.15		
220.00	13.03	530.00	7.05		
230.00	12.63	540.00	6.96		
240.00	12.20	550.00	6.92		
250.00	11.81	560.00	6.91		
260.00	11.49	570.00	6.89		
270.00	11.18	580.00	6.87		
280.00	11.01	590.00	6.81		
290.00	10.74	600.00	6.74		
300.00	10.47	610.00	6.66		

Cruise: GULFCET 04  
Latitude: 27° 15.90' N

Station: 09-094  
Longitude: 90° 49.90' W

Probe Type: T-20  
Date: 16-Feb-1993 Time: 2154

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.78	310.00	10.98	620.00	6.64	930.00	4.99
10.00	21.40	320.00	10.85	630.00	6.57	940.00	4.98
20.00	21.40	330.00	10.74	640.00	6.45	950.00	4.94
30.00	21.38	340.00	10.66	650.00	6.36	960.00	4.91
40.00	21.39	350.00	10.43	660.00	6.26	970.00	4.89
50.00	21.22	360.00	10.16	670.00	6.21	980.00	4.86
60.00	20.93	370.00	9.81	680.00	6.11	990.00	4.85
70.00	19.87	380.00	9.65	690.00	6.02		
80.00	19.24	390.00	9.40	700.00	5.97		
90.00	18.69	400.00	9.23	710.00	5.91		
100.00	18.23	410.00	9.05	720.00	5.84		
110.00	17.60	420.00	8.86	730.00	5.79		
120.00	16.99	430.00	8.77	740.00	5.75		
130.00	16.57	440.00	8.62	750.00	5.71		
140.00	16.31	450.00	8.46	760.00	5.66		
150.00	15.81	460.00	8.29	770.00	5.63		
160.00	15.30	470.00	8.20	780.00	5.60		
170.00	14.86	480.00	8.13	790.00	5.56		
180.00	14.52	490.00	7.98	800.00	5.53		
190.00	14.26	500.00	7.82	810.00	5.48		
200.00	13.85	510.00	7.69	820.00	5.42		
210.00	13.57	520.00	7.60	830.00	5.36		
220.00	13.15	530.00	7.50	840.00	5.32		
230.00	12.86	540.00	7.39	850.00	5.27		
240.00	12.54	550.00	7.35	860.00	5.22		
250.00	12.34	560.00	7.25	870.00	5.19		
260.00	12.17	570.00	7.17	880.00	5.16		
270.00	11.79	580.00	7.04	890.00	5.13		
280.00	11.45	590.00	6.94	900.00	5.10		
290.00	11.22	600.00	6.87	910.00	5.04		
300.00	11.12	610.00	6.76	920.00	5.02		

Cruise: GULFCET 04  
Latitude: 27° 11.20' N

Station: 10-098  
Longitude: 90° 10.00' W

Probe Type: T-20  
Date: 16-Feb-1993 Time: 0937

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.98	310.00	10.26	620.00	6.22	930.00	4.87
10.00	21.93	320.00	9.98	630.00	6.14	940.00	4.83
20.00	21.57	330.00	9.97	640.00	6.08	950.00	4.80
30.00	21.36	340.00	9.73	650.00	6.01	960.00	4.78
40.00	21.36	350.00	9.53	660.00	5.95	970.00	4.77
50.00	21.26	360.00	9.34	670.00	5.91	980.00	4.74
60.00	21.07	370.00	9.15	680.00	5.87	990.00	4.68
70.00	19.32	380.00	9.10	690.00	5.84		
80.00	18.46	390.00	8.91	700.00	5.78		
90.00	17.99	400.00	8.69	710.00	5.73		
100.00	17.39	410.00	8.51	720.00	5.68		
110.00	16.55	420.00	8.33	730.00	5.64		
120.00	16.08	430.00	8.22	740.00	5.60		
130.00	15.46	440.00	8.08	750.00	5.56		
140.00	15.19	450.00	7.96	760.00	5.52		
150.00	14.95	460.00	7.87	770.00	5.46		
160.00	14.46	470.00	7.79	780.00	5.41		
170.00	14.12	480.00	7.66	790.00	5.35		
180.00	13.75	490.00	7.54	800.00	5.32		
190.00	13.52	500.00	7.42	810.00	5.28		
200.00	13.23	510.00	7.29	820.00	5.24		
210.00	12.77	520.00	7.20	830.00	5.20		
220.00	12.52	530.00	7.05	840.00	5.17		
230.00	12.26	540.00	6.98	850.00	5.13		
240.00	12.00	550.00	6.91	860.00	5.10		
250.00	11.90	560.00	6.79	870.00	5.07		
260.00	11.51	570.00	6.68	880.00	5.03		
270.00	11.21	580.00	6.58	890.00	4.99		
280.00	10.97	590.00	6.48	900.00	4.96		
290.00	10.66	600.00	6.42	910.00	4.93		
300.00	10.56	610.00	6.30	920.00	4.90		

Cruise: GULFCET 04  
Latitude: 27° 39.90' N

Station: 10-099  
Longitude: 90° 09.90' W

Probe Type: T-20  
Date: 16-Feb-1993

Time: 0504

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.75	310.00	9.08	620.00	6.26
10.00	20.55	320.00	8.97	630.00	6.19
20.00	20.55	330.00	8.81	640.00	6.16
30.00	20.55	340.00	8.65	650.00	6.11
40.00	20.55	350.00	8.53	660.00	6.09
50.00	20.55	360.00	8.31	670.00	6.06
60.00	20.55	370.00	8.18	680.00	6.03
70.00	20.53	380.00	8.00	690.00	6.01
80.00	19.82	390.00	7.83	700.00	5.98
90.00	19.08	400.00	7.74	710.00	5.96
100.00	18.13	410.00	7.64	720.00	5.92
110.00	17.14	420.00	7.57	730.00	5.86
120.00	16.20	430.00	7.49	740.00	5.82
130.00	15.58	440.00	7.30	750.00	5.75
140.00	15.00	450.00	7.19	760.00	5.71
150.00	14.48	460.00	7.09	770.00	5.68
160.00	13.74	470.00	7.02	780.00	5.63
170.00	13.28	480.00	6.95	790.00	5.59
180.00	12.54	490.00	6.90	800.00	5.58
190.00	12.02	500.00	6.83	810.00	5.56
200.00	11.62	510.00	6.78	820.00	5.57
210.00	11.31	520.00	6.71	830.00	5.56
220.00	11.14	530.00	6.65	840.00	5.54
230.00	10.81	540.00	6.59	850.00	5.52
240.00	10.57	550.00	6.53	860.00	5.44
250.00	10.25	560.00	6.46		
260.00	9.97	570.00	6.41		
270.00	9.84	580.00	6.39		
280.00	9.70	590.00	6.36		
290.00	9.52	600.00	6.32		
300.00	9.28	610.00	6.29		

Cruise: GULFCET 04  
Latitude: 27° 50.10' N

Station: 10-101  
Longitude: 90° 09.95' W

Probe Type: T-7  
Date: 16-Feb-1993

Time: 0230

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.67	310.00	8.47	620.00	6.00
10.00	20.65	320.00	8.32	630.00	5.97
20.00	20.62	330.00	8.15	640.00	5.92
30.00	20.62	340.00	8.03		
40.00	20.61	350.00	7.95		
50.00	20.54	360.00	7.81		
60.00	20.54	370.00	7.70		
70.00	20.46	380.00	7.60		
80.00	19.56	390.00	7.56		
90.00	19.00	400.00	7.49		
100.00	17.99	410.00	7.35		
110.00	17.19	420.00	7.20		
120.00	16.52	430.00	7.07		
130.00	15.60	440.00	7.01		
140.00	14.57	450.00	6.98		
150.00	13.96	460.00	6.95		
160.00	13.48	470.00	6.91		
170.00	13.10	480.00	6.79		
180.00	12.50	490.00	6.62		
190.00	12.05	500.00	6.57		
200.00	11.43	510.00	6.48		
210.00	11.13	520.00	6.40		
220.00	10.63	530.00	6.35		
230.00	10.17	540.00	6.31		
240.00	9.93	550.00	6.28		
250.00	9.49	560.00	6.23		
260.00	9.25	570.00	6.16		
270.00	9.06	580.00	6.12		
280.00	8.93	590.00	6.07		
290.00	8.75	600.00	6.05		
300.00	8.65	610.00	6.03		

**Cruise:** GULFCET 04  
**Latitude:** 28° 02.00' N

**Station:** 10-102  
**Longitude:** 90° 10.00' W

**Probe Type:** T-7  
**Date:** 16-Feb-1993

**Time:** 0021

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.35	310.00	9.22
10.00	21.30	320.00	9.06
20.00	21.16	330.00	8.86
30.00	21.05	340.00	8.70
40.00	20.90	350.00	8.59
50.00	20.80	360.00	8.41
60.00	20.78	370.00	8.28
70.00	20.66	380.00	8.15
80.00	20.30	390.00	8.11
90.00	19.22	400.00	8.03
100.00	18.69	410.00	7.87
110.00	18.27	420.00	7.81
120.00	17.93	430.00	7.80
130.00	17.22	440.00	7.74
140.00	16.45	450.00	7.70
150.00	15.55	460.00	7.68
160.00	14.89	470.00	7.67
170.00	14.25	480.00	7.56
180.00	13.90	490.00	7.49
190.00	13.50	500.00	7.42
200.00	13.27		
210.00	12.56		
220.00	11.63		
230.00	11.38		
240.00	11.27		
250.00	10.82		
260.00	10.74		
270.00	10.29		
280.00	9.91		
290.00	9.62		
300.00	9.47		

**Cruise:** GULFCET 04  
**Latitude:** 28° 04.00' N

**Station:** 10-103  
**Longitude:** 90° 09.90' W

**Probe Type:** T-7  
**Date:** 15-Feb-1993

**Time:** 2358

Depth (m)	Temp. (°C)
0.00	21.40
10.00	21.37
20.00	21.36
30.00	21.07
40.00	20.80
50.00	20.67
60.00	20.56
70.00	20.53
80.00	19.94
90.00	19.04
100.00	18.54
110.00	17.54
120.00	17.11
130.00	16.77
140.00	16.36
150.00	15.90
160.00	15.23
170.00	14.68
180.00	13.99
190.00	13.70
200.00	12.99
210.00	12.23

**Cruise:** GULFCET 04  
**Latitude:** 28° 09.40' N

**Station:** 10-104  
**Longitude:** 90° 10.10' W

**Probe Type:** T-10  
**Date:** 15-Feb-1993

**Time:** 2207

Depth (m)	Temp. (°C)
0.00	22.11
10.00	22.01
20.00	22.01
30.00	22.01
40.00	22.01
50.00	21.99
60.00	21.37
70.00	20.13
80.00	19.08
90.00	18.27
100.00	17.62
110.00	17.31
120.00	17.02
130.00	16.47
140.00	15.89
150.00	15.56
160.00	15.01
170.00	14.65
180.00	14.24

**Cruise:** GULFCET 04  
**Latitude:** 28° 36.10' N

**Station:** 11-107  
**Longitude:** 89° 30.00' W

**Probe Type:** T-10  
**Date:** 15-Feb-1993

**Time:** 1059

Depth (m)	Temp. (°C)
0.00	22.44
10.00	22.42
20.00	22.45
30.00	22.46
40.00	22.47
50.00	22.45
60.00	22.34
70.00	21.93
80.00	21.18
90.00	19.80
100.00	19.38
110.00	18.92
120.00	18.33
130.00	15.44
140.00	13.80

**Cruise:** GULFCET 04  
**Latitude:** 28° 31.90' N

**Station:** 11-108  
**Longitude:** 89° 30.00' W

**Probe Type:** T-7  
**Date:** 15-Feb-1993

**Time:** 1023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.48	310.00	11.65
10.00	22.45	320.00	11.47
20.00	22.46	330.00	11.09
30.00	22.43	340.00	10.44
40.00	22.39		
50.00	22.33		
60.00	22.34		
70.00	22.19		
80.00	21.36		
90.00	20.55		
100.00	19.71		
110.00	18.87		
120.00	18.10		
130.00	17.83		
140.00	17.43		
150.00	16.08		
160.00	15.48		
170.00	15.17		
180.00	14.65		
190.00	14.31		
200.00	14.17		
210.00	13.98		
220.00	13.81		
230.00	13.47		
240.00	13.41		
250.00	13.30		
260.00	13.05		
270.00	12.57		
280.00	12.20		
290.00	12.02		
300.00	11.81		

**Cruise:** GULFCET 04  
**Latitude:** 28° 28.00' N

**Station:** 11-109  
**Longitude:** 89° 30.00' W

**Probe Type:** T-7  
**Date:** 15-Feb-1993

**Time:** 0947

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.06	310.00	11.59
10.00	22.05	320.00	11.46
20.00	22.05	330.00	11.14
30.00	22.05	340.00	10.95
40.00	22.06	350.00	10.80
50.00	22.06	360.00	10.39
60.00	22.06	370.00	10.10
70.00	21.97	380.00	9.92
80.00	21.74	390.00	9.72
90.00	20.83	400.00	9.54
100.00	19.84	410.00	9.41
110.00	19.06	420.00	9.16
120.00	18.51	430.00	9.05
130.00	18.00	440.00	9.01
140.00	17.23	450.00	8.72
150.00	16.77	460.00	8.52
160.00	16.48	470.00	8.23
170.00	15.97	480.00	8.10
180.00	15.53	490.00	8.03
190.00	15.16	500.00	7.92
200.00	14.89	510.00	7.82
210.00	14.54	520.00	7.64
220.00	14.17	530.00	7.54
230.00	13.84		
240.00	13.48		
250.00	13.00		
260.00	12.66		
270.00	12.49		
280.00	12.31		
290.00	11.98		
300.00	11.70		

Cruise: GULFCET 04 Station: 11-110 Probe Type: T-7  
 Latitude: 28° 21.50' N Longitude: 89° 30.00' W Date: 15-Feb-1993 Time: 0851

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.07	310.00	11.77	620.00	6.68
10.00	21.99	320.00	11.54	630.00	6.63
20.00	21.99	330.00	11.31	640.00	6.54
30.00	21.99	340.00	11.10	650.00	6.45
40.00	21.99	350.00	10.86	660.00	6.39
50.00	21.99	360.00	10.69	670.00	6.34
60.00	21.99	370.00	10.41	680.00	6.33
70.00	22.00	380.00	10.22	690.00	6.23
80.00	21.99	390.00	10.10	700.00	6.14
90.00	21.67	400.00	9.96	710.00	6.10
100.00	20.79	410.00	9.71	720.00	5.98
110.00	19.72	420.00	9.55		
120.00	19.32	430.00	9.34		
130.00	18.64	440.00	9.12		
140.00	17.94	450.00	8.95		
150.00	17.24	460.00	8.76		
160.00	16.88	470.00	8.68		
170.00	16.59	480.00	8.44		
180.00	16.16	490.00	8.34		
190.00	15.76	500.00	8.19		
200.00	15.42	510.00	8.04		
210.00	15.13	520.00	7.90		
220.00	14.34	530.00	7.80		
230.00	13.49	540.00	7.73		
240.00	13.23	550.00	7.58		
250.00	13.02	560.00	7.48		
260.00	12.73	570.00	7.38		
270.00	12.57	580.00	7.21		
280.00	12.33	590.00	7.12		
290.00	12.19	600.00	6.99		
300.00	11.90	610.00	6.81		

Cruise: GULFCET 04 Station: 11-111 Probe Type: T-20  
 Latitude: 28° 15.00' N Longitude: 89° 29.90' W Date: 15-Feb-1993 Time: 0755

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.09	310.00	11.88	620.00	7.15	930.00	5.21
10.00	22.00	320.00	11.68	630.00	7.02	940.00	5.18
20.00	21.99	330.00	11.49	640.00	6.91		
30.00	22.00	340.00	11.27	650.00	6.79		
40.00	22.00	350.00	11.14	660.00	6.65		
50.00	22.00	360.00	11.01	670.00	6.59		
60.00	22.00	370.00	10.81	680.00	6.53		
70.00	21.99	380.00	10.59	690.00	6.46		
80.00	22.00	390.00	10.35	700.00	6.40		
90.00	21.98	400.00	10.10	710.00	6.35		
100.00	21.12	410.00	9.91	720.00	6.29		
110.00	20.33	420.00	9.68	730.00	6.21		
120.00	19.68	430.00	9.61	740.00	6.14		
130.00	19.02	440.00	9.45	750.00	6.11		
140.00	18.58	450.00	9.25	760.00	6.05		
150.00	17.94	460.00	9.12	770.00	5.94		
160.00	17.31	470.00	8.94	780.00	5.91		
170.00	16.86	480.00	8.78	790.00	5.88		
180.00	16.36	490.00	8.60	800.00	5.82		
190.00	15.93	500.00	8.48	810.00	5.77		
200.00	15.54	510.00	8.26	820.00	5.70		
210.00	15.11	520.00	8.11	830.00	5.64		
220.00	14.60	530.00	8.01	840.00	5.55		
230.00	14.25	540.00	7.93	850.00	5.53		
240.00	13.89	550.00	7.84	860.00	5.53		
250.00	13.61	560.00	7.76	870.00	5.49		
260.00	13.33	570.00	7.68	880.00	5.46		
270.00	13.05	580.00	7.57	890.00	5.42		
280.00	12.64	590.00	7.43	900.00	5.38		
290.00	12.41	600.00	7.34	910.00	5.34		
300.00	12.18	610.00	7.22	920.00	5.27		



Cruise: GULFCET 04 Station: 11-113 Probe Type: T-20  
 Latitude: 27° 38.00' N Longitude: 89° 30.00' W Date: 15-Feb-1993 Time: 0100

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.54	310.00	11.66	620.00	6.97	930.00	5.23
10.00	22.49	320.00	11.38	630.00	6.88	940.00	5.19
20.00	22.49	330.00	11.29	640.00	6.75	950.00	5.18
30.00	22.49	340.00	11.20	650.00	6.65	960.00	5.16
40.00	22.49	350.00	11.00	660.00	6.61	970.00	5.12
50.00	22.48	360.00	10.81	670.00	6.53	980.00	5.08
60.00	22.00	370.00	10.62	680.00	6.43	990.00	5.06
70.00	20.58	380.00	10.41	690.00	6.40		
80.00	19.93	390.00	10.24	700.00	6.32		
90.00	19.67	400.00	10.08	710.00	6.29		
100.00	19.20	410.00	9.78	720.00	6.23		
110.00	18.45	420.00	9.59	730.00	6.16		
120.00	17.86	430.00	9.44	740.00	6.14		
130.00	17.47	440.00	9.32	750.00	6.05		
140.00	17.20	450.00	9.11	760.00	5.99		
150.00	16.65	460.00	8.88	770.00	5.93		
160.00	16.09	470.00	8.79	780.00	5.87		
170.00	15.75	480.00	8.65	790.00	5.81		
180.00	15.34	490.00	8.48	800.00	5.78		
190.00	14.94	500.00	8.36	810.00	5.73		
200.00	14.57	510.00	8.22	820.00	5.71		
210.00	14.29	520.00	8.09	830.00	5.71		
220.00	14.00	530.00	7.98	840.00	5.67		
230.00	13.73	540.00	7.86	850.00	5.61		
240.00	13.45	550.00	7.74	860.00	5.53		
250.00	13.13	560.00	7.62	870.00	5.48		
260.00	12.93	570.00	7.48	880.00	5.44		
270.00	12.73	580.00	7.35	890.00	5.40		
280.00	12.50	590.00	7.26	900.00	5.36		
290.00	12.22	600.00	7.17	910.00	5.29		
300.00	11.97	610.00	7.06	920.00	5.30		

Cruise: GULFCET 04 Station: 12-118 Probe Type: T-20  
 Latitude: 28° 14.50' N Longitude: 88° 49.90' W Date: 14-Feb-1993 Time: 0850

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.98	310.00	13.50	620.00	7.64	930.00	5.32
10.00	21.96	320.00	13.22	630.00	7.52	940.00	5.29
20.00	21.96	330.00	12.94	640.00	7.37	950.00	5.25
30.00	21.96	340.00	12.79	650.00	7.26	960.00	5.22
40.00	21.97	350.00	12.54	660.00	7.19	970.00	5.18
50.00	21.97	360.00	12.39	670.00	7.01	980.00	5.11
60.00	21.97	370.00	12.14	680.00	6.89	990.00	5.07
70.00	21.97	380.00	11.90	690.00	6.83		
80.00	21.98	390.00	11.57	700.00	6.77		
90.00	21.97	400.00	11.38	710.00	6.68		
100.00	21.98	410.00	11.21	720.00	6.62		
110.00	21.97	420.00	10.91	730.00	6.57		
120.00	20.84	430.00	10.72	740.00	6.44		
130.00	20.27	440.00	10.48	750.00	6.37		
140.00	19.42	450.00	10.29	760.00	6.30		
150.00	18.88	460.00	10.12	770.00	6.21		
160.00	18.44	470.00	9.91	780.00	6.14		
170.00	17.98	480.00	9.73	790.00	6.10		
180.00	17.52	490.00	9.53	800.00	6.05		
190.00	17.18	500.00	9.36	810.00	5.95		
200.00	16.79	510.00	9.22	820.00	5.85		
210.00	16.51	520.00	9.02	830.00	5.77		
220.00	16.29	530.00	8.81	840.00	5.72		
230.00	15.98	540.00	8.65	850.00	5.67		
240.00	15.66	550.00	8.58	860.00	5.64		
250.00	15.31	560.00	8.49	870.00	5.60		
260.00	15.16	570.00	8.30	880.00	5.55		
270.00	14.78	580.00	8.18	890.00	5.50		
280.00	14.45	590.00	8.13	900.00	5.46		
290.00	14.18	600.00	8.11	910.00	5.41		
300.00	13.86	610.00	7.87	920.00	5.36		

**Cruise:** GULFCET 04      **Station:** 12-120      **Probe Type:** T-20  
**Latitude:** 28° 43.50' N      **Longitude:** 88° 50.00' W      **Date:** 14-Feb-1993      **Time:** 0309

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.57	310.00	12.06	620.00	6.85
10.00	22.55	320.00	11.82	630.00	6.76
20.00	22.62	330.00	11.60	640.00	6.64
30.00	22.64	340.00	11.47	650.00	6.59
40.00	22.64	350.00	11.28	660.00	6.35
50.00	22.47	360.00	11.08	670.00	6.26
60.00	22.42	370.00	10.96	680.00	6.12
70.00	22.36	380.00	10.90	690.00	6.01
80.00	21.52	390.00	10.79	700.00	5.92
90.00	20.98	400.00	10.62	710.00	5.84
100.00	20.14	410.00	10.44	720.00	5.81
110.00	19.63	420.00	10.16	730.00	5.78
120.00	18.88	430.00	9.98	740.00	5.74
130.00	18.41	440.00	9.72	750.00	5.68
140.00	17.62	450.00	9.61	760.00	5.62
150.00	17.29	460.00	9.36	770.00	5.54
160.00	16.99	470.00	9.19	780.00	5.51
170.00	16.59	480.00	9.09	790.00	5.46
180.00	16.11	490.00	8.96	800.00	5.41
190.00	15.73	500.00	8.74	810.00	5.38
200.00	15.43	510.00	8.66	820.00	5.35
210.00	15.16	520.00	8.49	830.00	5.34
220.00	14.86	530.00	8.43	840.00	5.35
230.00	14.56	540.00	8.20	850.00	5.34
240.00	14.14	550.00	8.11	860.00	5.33
250.00	13.75	560.00	7.91	870.00	5.29
260.00	13.57	570.00	7.50	880.00	5.25
270.00	13.16	580.00	7.36		
280.00	12.96	590.00	7.19		
290.00	12.71	600.00	7.11		
300.00	12.40	610.00	6.98		

**Cruise:** GULFCET 04      **Station:** 12-121      **Probe Type:** T-7  
**Latitude:** 28° 47.00' N      **Longitude:** 88° 50.00' W      **Date:** 14-Feb-1993      **Time:** 0236

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.06	310.00	12.00	620.00	6.72
10.00	22.36	320.00	11.76	630.00	6.67
20.00	22.41	330.00	11.54	640.00	6.54
30.00	22.45	340.00	11.42	650.00	6.45
40.00	22.39	350.00	11.18	660.00	6.37
50.00	22.33	360.00	10.87	670.00	6.34
60.00	22.17	370.00	10.58	680.00	6.26
70.00	22.10	380.00	10.37	690.00	6.18
80.00	21.64	390.00	10.24	700.00	6.04
90.00	20.34	400.00	10.02	710.00	6.09
100.00	19.76	410.00	9.88		
110.00	19.27	420.00	9.65		
120.00	18.56	430.00	9.48		
130.00	17.95	440.00	9.33		
140.00	17.54	450.00	9.16		
150.00	17.19	460.00	8.83		
160.00	16.77	470.00	8.65		
170.00	16.19	480.00	8.59		
180.00	16.01	490.00	8.46		
190.00	15.42	500.00	8.30		
200.00	15.16	510.00	8.18		
210.00	14.78	520.00	8.04		
220.00	14.48	530.00	7.86		
230.00	14.16	540.00	7.71		
240.00	13.89	550.00	7.65		
250.00	13.57	560.00	7.54		
260.00	13.34	570.00	7.39		
270.00	13.06	580.00	7.24		
280.00	12.81	590.00	7.01		
290.00	12.60	600.00	6.89		
300.00	12.21	610.00	6.77		

**Cruise:** GULFCET 04  
**Latitude:** 28° 53.00' N

**Station:** 12-122  
**Longitude:** 88° 50.00' W

**Probe Type:** T-7  
**Date:** 14-Feb-1993

**Time:** 0141

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	19.47	310.00	10.89
10.00	22.02	320.00	10.76
20.00	22.46	330.00	10.71
30.00	22.39	340.00	10.56
40.00	22.21	350.00	10.44
50.00	22.13	360.00	10.34
60.00	22.12	370.00	9.99
70.00	22.00	380.00	9.90
80.00	20.58	390.00	9.64
90.00	19.58	400.00	9.49
100.00	18.93	410.00	9.24
110.00	18.23		
120.00	17.69		
130.00	17.16		
140.00	16.84		
150.00	16.30		
160.00	15.97		
170.00	15.33		
180.00	15.09		
190.00	14.78		
200.00	14.45		
210.00	13.88		
220.00	13.46		
230.00	13.07		
240.00	12.75		
250.00	12.53		
260.00	12.27		
270.00	11.85		
280.00	11.51		
290.00	11.39		
300.00	11.21		

**Cruise:** GULFCET 04  
**Latitude:** 29° 00.10' N

**Station:** 12-124  
**Longitude:** 88° 50.00' W

**Probe Type:** T-10  
**Date:** 14-Feb-1993

**Time:** 0037

Depth (m)	Temp. (°C)
0.00	18.57
10.00	21.82
20.00	22.18
30.00	22.16
40.00	22.12
50.00	22.05
60.00	21.81
70.00	20.46
80.00	19.31
90.00	19.07
100.00	18.57
110.00	17.55
120.00	17.01
130.00	16.40
140.00	16.20
150.00	15.63
160.00	15.06
170.00	14.58
180.00	14.48

**Cruise:** GULFCET 04      **Station:** 13-127      **Probe Type:** T-10  
**Latitude:** 29° 12.90' N      **Longitude:** 88° 10.00' W      **Date:** 13-Feb-1993      **Time:** 1755

Depth (m)	Temp. (°C)
0.00	18.60
10.00	18.62
20.00	20.21
30.00	20.38
40.00	18.84
50.00	19.65
60.00	19.81
70.00	19.93
80.00	19.68
90.00	19.20
100.00	18.63
110.00	18.02
120.00	17.66
130.00	17.29
140.00	17.15
150.00	16.94
160.00	16.65
170.00	15.63
180.00	15.22
190.00	14.82
200.00	14.62

**Cruise:** GULFCET 04      **Station:** 13-128      **Probe Type:** T-7  
**Latitude:** 29° 10.40' N      **Longitude:** 88° 10.00' W      **Date:** 13-Feb-1993      **Time:** 1731

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	18.18	310.00	11.05
10.00	18.37	320.00	10.67
20.00	21.29	330.00	10.44
30.00	21.78	340.00	10.34
40.00	19.88	350.00	9.95
50.00	19.67		
60.00	19.85		
70.00	19.75		
80.00	19.85		
90.00	19.46		
100.00	19.22		
110.00	18.60		
120.00	18.12		
130.00	17.50		
140.00	17.10		
150.00	16.53		
160.00	15.76		
170.00	15.14		
180.00	14.80		
190.00	14.24		
200.00	13.95		
210.00	13.85		
220.00	13.53		
230.00	13.11		
240.00	12.84		
250.00	12.68		
260.00	12.45		
270.00	12.22		
280.00	11.91		
290.00	11.65		
300.00	11.32		

Cruise: GULFCET 04  
Latitude: 29° 08.40' N

Station: 13-129  
Longitude: 88° 10.00' W

Probe Type: T-7  
Date: 13-Feb-1993

Time: 1712

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	17.80	310.00	11.00
10.00	18.25	320.00	10.86
20.00	20.25	330.00	10.64
30.00	20.43	340.00	10.37
40.00	19.29	350.00	10.15
50.00	19.63	360.00	9.98
60.00	19.69	370.00	9.76
70.00	19.76	380.00	9.65
80.00	20.17	390.00	9.36
90.00	19.40	400.00	9.07
100.00	19.15	410.00	8.94
110.00	18.33	420.00	8.77
120.00	17.64	430.00	8.69
130.00	17.11	440.00	8.50
140.00	16.76	450.00	8.47
150.00	16.35	460.00	8.35
160.00	15.97	470.00	7.88
170.00	15.63		
180.00	15.09		
190.00	14.72		
200.00	14.33		
210.00	13.81		
220.00	13.56		
230.00	13.29		
240.00	12.88		
250.00	12.58		
260.00	12.41		
270.00	12.08		
280.00	11.65		
290.00	11.53		
300.00	11.27		

Cruise: GULFCET 04  
Latitude: 29° 04.90' N

Station: 13-130  
Longitude: 88° 10.00' W

Probe Type: T-7  
Date: 13-Feb-1993

Time: 1640

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	17.37	310.00	11.21	620.00	6.64
10.00	17.91	320.00	11.14	630.00	6.54
20.00	20.57	330.00	10.84	640.00	6.42
30.00	20.13	340.00	10.64	650.00	6.31
40.00	19.87	350.00	10.40	660.00	6.27
50.00	19.06	360.00	10.26	670.00	6.25
60.00	19.69	370.00	10.11	680.00	6.24
70.00	19.74	380.00	9.94	690.00	6.22
80.00	19.63	390.00	9.72	700.00	6.19
90.00	19.32	400.00	9.49	710.00	6.13
100.00	18.78	410.00	9.27	720.00	6.08
110.00	18.48	420.00	9.12	730.00	6.06
120.00	17.79	430.00	8.99	740.00	6.03
130.00	17.42	440.00	8.77	750.00	6.01
140.00	16.90	450.00	8.70		
150.00	16.62	460.00	8.51		
160.00	16.35	470.00	8.38		
170.00	15.88	480.00	8.15		
180.00	15.43	490.00	7.99		
190.00	15.07	500.00	7.94		
200.00	14.71	510.00	7.70		
210.00	14.14	520.00	7.51		
220.00	13.85	530.00	7.36		
230.00	13.59	540.00	7.30		
240.00	13.25	550.00	7.16		
250.00	12.94	560.00	7.05		
260.00	12.67	570.00	7.02		
270.00	12.35	580.00	6.99		
280.00	11.97	590.00	6.90		
290.00	11.68	600.00	6.83		
300.00	11.40	610.00	6.75		

Cruise: GULFCET 04  
Latitude: 28° 49.00' N

Station: 13-132  
Longitude: 88° 10.00' W

Probe Type: T-20  
Date: 13-Feb-1993

Time: 1402

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	17.94	310.00	12.08
10.00	19.63	320.00	11.83
20.00	21.91	330.00	11.63
30.00	22.01	340.00	11.38
40.00	22.10	350.00	11.26
50.00	22.01	360.00	11.04
60.00	22.01	370.00	10.76
70.00	22.00	380.00	10.58
80.00	22.00	390.00	10.37
90.00	21.92	400.00	10.16
100.00	20.69	410.00	9.99
110.00	20.03	420.00	9.81
120.00	19.27	430.00	9.56
130.00	18.56	440.00	9.43
140.00	18.10	450.00	9.42
150.00	17.35	460.00	9.21
160.00	17.00	470.00	9.08
170.00	16.58	480.00	8.87
180.00	16.29	490.00	8.74
190.00	15.85	500.00	8.60
200.00	15.47		
210.00	15.04		
220.00	14.60		
230.00	14.28		
240.00	13.96		
250.00	13.69		
260.00	13.35		
270.00	13.19		
280.00	13.00		
290.00	12.74		
300.00	12.46		

Cruise: GULFCET 04  
Latitude: 29° 04.00' N

Station: 14-137  
Longitude: 87° 29.90' W

Probe Type: T-20  
Date: 12-Feb-1993

Time: 2020

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.32	310.00	11.64	620.00	6.53	930.00	5.12
10.00	20.35	320.00	11.46	630.00	6.44	940.00	5.09
20.00	20.34	330.00	11.23	640.00	6.35	950.00	5.06
30.00	20.29	340.00	10.99	650.00	6.30	960.00	5.03
40.00	20.13	350.00	10.88	660.00	6.22	970.00	4.98
50.00	20.12	360.00	10.70	670.00	6.16	980.00	4.97
60.00	20.12	370.00	10.55	680.00	6.10	990.00	4.95
70.00	20.07	380.00	10.27	690.00	6.04		
80.00	19.92	390.00	10.05	700.00	5.99		
90.00	19.89	400.00	9.86	710.00	5.96		
100.00	19.68	410.00	9.65	720.00	5.90		
110.00	19.04	420.00	9.50	730.00	5.83		
120.00	18.18	430.00	9.44	740.00	5.78		
130.00	17.69	440.00	9.30	750.00	5.75		
140.00	17.18	450.00	9.00	760.00	5.69		
150.00	16.77	460.00	8.89	770.00	5.66		
160.00	16.14	470.00	8.76	780.00	5.61		
170.00	15.78	480.00	8.60	790.00	5.58		
180.00	15.42	490.00	8.38	800.00	5.54		
190.00	15.11	500.00	8.18	810.00	5.50		
200.00	14.73	510.00	8.02	820.00	5.47		
210.00	14.56	520.00	7.82	830.00	5.42		
220.00	14.24	530.00	7.61	840.00	5.38		
230.00	13.89	540.00	7.47	850.00	5.36		
240.00	13.59	550.00	7.37	860.00	5.32		
250.00	13.33	560.00	7.21	870.00	5.31		
260.00	13.04	570.00	7.03	880.00	5.27		
270.00	12.66	580.00	6.94	890.00	5.23		
280.00	12.39	590.00	6.86	900.00	5.20		
290.00	12.18	600.00	6.71	910.00	5.18		
300.00	11.95	610.00	6.61	920.00	5.15		

Cruise: GULFCET 04  
Latitude: 29° 15.00' N

Station: 14-138  
Longitude: 87° 30.00' W

Probe Type: T-20  
Date: 12-Feb-1993 Time: 1834

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.12	310.00	12.17	620.00	6.96	930.00	5.46
10.00	20.18	320.00	11.76	630.00	6.78	940.00	5.45
20.00	20.18	330.00	11.48	640.00	6.65		
30.00	20.18	340.00	11.19	650.00	6.63		
40.00	20.18	350.00	10.88	660.00	6.61		
50.00	20.16	360.00	10.69	670.00	6.58		
60.00	20.15	370.00	10.55	680.00	6.52		
70.00	20.02	380.00	10.40	690.00	6.40		
80.00	19.93	390.00	10.15	700.00	6.29		
90.00	19.79	400.00	9.95	710.00	6.22		
100.00	19.63	410.00	9.84	720.00	6.12		
110.00	19.37	420.00	9.64	730.00	6.08		
120.00	18.56	430.00	9.57	740.00	6.04		
130.00	17.79	440.00	9.44	750.00	6.00		
140.00	17.43	450.00	9.31	760.00	5.98		
150.00	16.50	460.00	9.17	770.00	5.93		
160.00	16.39	470.00	8.89	780.00	5.91		
170.00	16.31	480.00	8.73	790.00	5.84		
180.00	16.11	490.00	8.51	800.00	5.77		
190.00	15.65	500.00	8.32	810.00	5.67		
200.00	15.32	510.00	8.27	820.00	5.64		
210.00	15.00	520.00	8.14	830.00	5.64		
220.00	14.75	530.00	8.09	840.00	5.62		
230.00	14.46	540.00	7.93	850.00	5.62		
240.00	14.12	550.00	7.77	860.00	5.58		
250.00	13.82	560.00	7.61	870.00	5.58		
260.00	13.55	570.00	7.50	880.00	5.51		
270.00	13.20	580.00	7.42	890.00	5.48		
280.00	12.89	590.00	7.26	900.00	5.47		
290.00	12.64	600.00	7.14	910.00	5.46		
300.00	12.41	610.00	7.01	920.00	5.46		

Cruise: GULFCET 04  
Latitude: 29° 16.90' N

Station: 14-139  
Longitude: 87° 29.90' W

Probe Type: T-7  
Date: 12-Feb-1993 Time: 1815

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.03	310.00	11.40	620.00	6.67
10.00	20.20	320.00	11.14	630.00	6.60
20.00	20.20	330.00	10.98	640.00	6.56
30.00	20.19	340.00	10.67	650.00	6.53
40.00	20.16	350.00	10.47	660.00	6.49
50.00	20.08	360.00	10.31	670.00	6.45
60.00	20.03	370.00	10.14	680.00	6.35
70.00	19.93	380.00	10.08	690.00	6.22
80.00	19.78	390.00	9.77	700.00	6.17
90.00	19.65	400.00	9.74	710.00	6.12
100.00	19.71	410.00	9.63	720.00	6.06
110.00	19.14	420.00	9.48	730.00	5.95
120.00	18.56	430.00	9.35	740.00	5.94
130.00	17.83	440.00	9.00	750.00	5.94
140.00	17.10	450.00	8.91	760.00	5.91
150.00	16.67	460.00	8.62	770.00	5.89
160.00	16.25	470.00	8.41	780.00	5.76
170.00	15.88	480.00	8.27		
180.00	15.49	490.00	8.20		
190.00	15.25	500.00	8.07		
200.00	14.78	510.00	7.97		
210.00	14.39	520.00	7.85		
220.00	14.15	530.00	7.71		
230.00	13.98	540.00	7.50		
240.00	13.54	550.00	7.38		
250.00	13.21	560.00	7.32		
260.00	12.90	570.00	7.28		
270.00	12.55	580.00	7.18		
280.00	12.32	590.00	7.07		
290.00	12.04	600.00	6.95		
300.00	11.69	610.00	6.81		

**Cruise:** GULFCET 04  
**Latitude:** 29° 20.00' N

**Station:** 14-140  
**Longitude:** 87° 29.90' W

**Probe Type:** T-7  
**Date:** 12-Feb-1993  
**Time:** 1745

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.17	310.00	11.38
10.00	20.26	320.00	11.24
20.00	20.26	330.00	10.80
30.00	20.22	340.00	10.59
40.00	20.19	350.00	10.34
50.00	19.98	360.00	10.26
60.00	19.92	370.00	10.00
70.00	19.83	380.00	9.81
80.00	19.78	390.00	9.60
90.00	19.75	400.00	9.05
100.00	19.68	410.00	8.87
110.00	19.41		
120.00	18.35		
130.00	18.11		
140.00	17.55		
150.00	16.72		
160.00	16.34		
170.00	15.90		
180.00	15.35		
190.00	14.82		
200.00	14.46		
210.00	14.14		
220.00	13.97		
230.00	13.54		
240.00	13.29		
250.00	12.92		
260.00	12.69		
270.00	12.45		
280.00	12.07		
290.00	11.74		
300.00	11.56		

**Cruise:** GULFCET 04  
**Latitude:** 29° 21.00' N

**Station:** 14-141  
**Longitude:** 87° 29.00' W

**Probe Type:** T-7  
**Date:** 12-Feb-1993  
**Time:** 1724

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.29	310.00	11.40
10.00	20.35	320.00	11.17
20.00	20.35	330.00	11.11
30.00	20.33	340.00	11.01
40.00	20.30	350.00	10.73
50.00	20.08	360.00	10.44
60.00	20.08	370.00	10.00
70.00	20.01		
80.00	19.76		
90.00	19.69		
100.00	19.77		
110.00	18.93		
120.00	18.42		
130.00	18.09		
140.00	17.79		
150.00	16.89		
160.00	16.16		
170.00	15.61		
180.00	15.25		
190.00	14.98		
200.00	14.55		
210.00	14.13		
220.00	13.97		
230.00	13.65		
240.00	13.32		
250.00	13.10		
260.00	12.74		
270.00	12.48		
280.00	12.20		
290.00	11.75		
300.00	11.59		



**Cruise:** GULFCET 04      **Station:** 14-142      **Probe Type:** T-10  
**Latitude:** 29° 24.90' N      **Longitude:** 87° 29.90' W      **Date:** 12-Feb-1993      **Time:** 1650

Depth (m)	Temp. (°C)
0.00	20.20
10.00	20.38
20.00	20.40
30.00	20.38
40.00	20.38
50.00	20.31
60.00	20.17
70.00	20.11
80.00	20.07
90.00	20.02
100.00	20.09
110.00	19.69
120.00	18.95
130.00	18.19
140.00	17.52
150.00	16.82
160.00	16.23
170.00	15.74
180.00	15.65
190.00	15.58

**Cruise:** GULFCET 04      **Station:** 02-EX8      **Probe Type:** T-7  
**Latitude:** 26° 33.90' N      **Longitude:** 95° 34.60' W      **Date:** 24-Feb-1993      **Time:** 0757

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.94	310.00	13.45	620.00	7.63
10.00	23.11	320.00	13.23	630.00	7.48
20.00	23.11	330.00	13.00	640.00	7.35
30.00	23.07	340.00	12.78	650.00	7.21
40.00	23.05	350.00	12.47	660.00	7.07
50.00	22.77	360.00	12.17	670.00	6.99
60.00	22.53	370.00	11.96	680.00	6.87
70.00	22.69	380.00	11.79	690.00	6.76
80.00	22.67	390.00	11.61	700.00	6.65
90.00	22.31	400.00	11.44	710.00	6.59
100.00	22.39	410.00	11.20	720.00	6.49
110.00	21.88	420.00	10.99	730.00	6.43
120.00	21.92	430.00	10.74	740.00	6.38
130.00	21.37	440.00	10.48	750.00	6.30
140.00	20.58	450.00	10.30	760.00	6.22
150.00	20.07	460.00	10.10	770.00	6.15
160.00	19.49	470.00	9.98	780.00	6.07
170.00	19.15	480.00	9.75	790.00	6.02
180.00	18.51	490.00	9.54	800.00	5.97
190.00	18.09	500.00	9.35	810.00	5.96
200.00	17.49	510.00	9.23	820.00	5.87
210.00	16.93	520.00	9.01		
220.00	16.61	530.00	8.81		
230.00	16.27	540.00	8.72		
240.00	15.90	550.00	8.61		
250.00	15.56	560.00	8.52		
260.00	15.30	570.00	8.27		
270.00	14.92	580.00	8.10		
280.00	14.55	590.00	8.02		
290.00	14.06	600.00	7.86		
300.00	13.71	610.00	7.74		

Cruise: GULFCET 04 Station: 04-EX7 Probe Type: T-7  
 Latitude: 27° 36.00' N Longitude: 94° 10.00' W Date: 22-Feb-1993 Time: 0002

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.47	310.00	10.18	620.00	6.29
10.00	21.43	320.00	10.01	630.00	6.23
20.00	21.38	330.00	9.92	640.00	6.14
30.00	21.10	340.00	9.77	650.00	6.08
40.00	21.01	350.00	9.72	660.00	6.02
50.00	20.80	360.00	9.62	670.00	5.97
60.00	20.75	370.00	9.42	680.00	5.90
70.00	20.67	380.00	9.28	690.00	5.82
80.00	20.62	390.00	9.16	700.00	5.75
90.00	19.97	400.00	9.02	710.00	5.68
100.00	19.71	410.00	8.76	720.00	5.62
110.00	18.90	420.00	8.67	730.00	5.58
120.00	17.15	430.00	8.61	740.00	5.54
130.00	15.97	440.00	8.47	750.00	5.52
140.00	15.25	450.00	8.36	760.00	5.49
150.00	14.80	460.00	8.22	770.00	5.46
160.00	14.24	470.00	8.06	780.00	5.43
170.00	13.81	480.00	7.93	790.00	5.41
180.00	13.41	490.00	7.69	800.00	5.38
190.00	13.14	500.00	7.44	810.00	5.35
200.00	12.91	510.00	7.33	820.00	5.31
210.00	12.72	520.00	7.29		
220.00	12.33	530.00	7.15		
230.00	12.14	540.00	7.10		
240.00	11.93	550.00	6.96		
250.00	11.58	560.00	6.86		
260.00	11.26	570.00	6.81		
270.00	11.03	580.00	6.68		
280.00	10.78	590.00	6.55		
290.00	10.48	600.00	6.45		
300.00	10.32	610.00	6.35		

Cruise: GULFCET 04 Station: NL-EX6 Probe Type: T-20  
 Latitude: 27° 07.13' N Longitude: 92° 00.60' W Date: 19-Feb-1993 Time: 2144

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.06	310.00	11.53	620.00	6.63	930.00	5.20
10.00	21.07	320.00	11.18	630.00	6.57	940.00	5.19
20.00	21.07	330.00	10.89	640.00	6.50	950.00	5.15
30.00	21.07	340.00	10.69	650.00	6.41	960.00	5.12
40.00	21.07	350.00	10.36	660.00	6.32	970.00	5.10
50.00	21.07	360.00	10.15	670.00	6.23	980.00	5.08
60.00	21.07	370.00	9.89	680.00	6.18	990.00	5.03
70.00	21.05	380.00	9.74	690.00	6.11		
80.00	19.93	390.00	9.60	700.00	6.07		
90.00	19.41	400.00	9.46	710.00	5.99		
100.00	18.65	410.00	9.30	720.00	5.90		
110.00	17.86	420.00	9.11	730.00	5.83		
120.00	17.34	430.00	8.94	740.00	5.78		
130.00	16.83	440.00	8.72	750.00	5.72		
140.00	16.39	450.00	8.56	760.00	5.67		
150.00	16.11	460.00	8.39	770.00	5.63		
160.00	15.82	470.00	8.29	780.00	5.59		
170.00	15.39	480.00	8.17	790.00	5.54		
180.00	14.97	490.00	8.03	800.00	5.48		
190.00	14.69	500.00	7.95	810.00	5.44		
200.00	14.44	510.00	7.86	820.00	5.42		
210.00	14.13	520.00	7.73	830.00	5.40		
220.00	13.70	530.00	7.58	840.00	5.38		
230.00	13.45	540.00	7.43	850.00	5.34		
240.00	13.22	550.00	7.31	860.00	5.32		
250.00	13.01	560.00	7.24	870.00	5.31		
260.00	12.79	570.00	7.17	880.00	5.29		
270.00	12.49	580.00	7.00	890.00	5.25		
280.00	12.27	590.00	6.92	900.00	5.25		
290.00	12.07	600.00	6.80	910.00	5.24		
300.00	11.75	610.00	6.73	920.00	5.21		

Cruise: GULFCET 04  
Latitude: 27° 35.38' N

Station: 06-EX5  
Longitude: 92° 50.24' W

Probe Type: T-7  
Date: 19-Feb-1993

Time: 1704

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.80	310.00	11.04
10.00	20.74	320.00	10.96
20.00	20.73	330.00	10.61
30.00	20.73	340.00	10.39
40.00	20.74	350.00	10.33
50.00	20.74	360.00	10.00
60.00	20.74	370.00	9.98
70.00	20.74	380.00	9.74
80.00	19.96	390.00	9.60
90.00	19.23	400.00	9.44
100.00	18.68	410.00	9.30
110.00	18.14	420.00	9.16
120.00	17.55	430.00	9.04
130.00	16.89	440.00	8.89
140.00	16.51	450.00	8.73
150.00	16.12	460.00	8.63
160.00	15.64		
170.00	15.21		
180.00	14.81		
190.00	14.62		
200.00	14.39		
210.00	14.15		
220.00	13.66		
230.00	13.13		
240.00	12.80		
250.00	12.52		
260.00	12.31		
270.00	12.03		
280.00	11.75		
290.00	11.62		
300.00	11.31		

Cruise: GULFCET 04  
Latitude: 27° 14.01' N

Station: 07-EX3  
Longitude: 92° 10.08' W

Probe Type: T-7  
Date: 18-Feb-1993

Time: 2352

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	20.87	310.00	11.19	620.00	6.51
10.00	20.86	320.00	10.95	630.00	6.41
20.00	20.88	330.00	10.64	640.00	6.34
30.00	20.89	340.00	10.39	650.00	6.29
40.00	20.89	350.00	10.10	660.00	6.15
50.00	20.89	360.00	9.90	670.00	6.08
60.00	20.89	370.00	9.78	680.00	6.01
70.00	20.89	380.00	9.58	690.00	5.93
80.00	20.82	390.00	9.37	700.00	5.91
90.00	19.75	400.00	9.23	710.00	5.90
100.00	18.87	410.00	9.11	720.00	5.82
110.00	18.29	420.00	8.91	730.00	5.78
120.00	17.81	430.00	8.75	740.00	5.75
130.00	17.08	440.00	8.62	750.00	5.72
140.00	16.56	450.00	8.45	760.00	5.65
150.00	16.30	460.00	8.34	770.00	5.62
160.00	15.82	470.00	8.22	780.00	5.56
170.00	15.47	480.00	8.06	790.00	5.51
180.00	15.13	490.00	7.88	800.00	5.49
190.00	14.72	500.00	7.77	810.00	5.44
200.00	14.34	510.00	7.62		
210.00	13.79	520.00	7.42		
220.00	13.41	530.00	7.34		
230.00	13.15	540.00	7.28		
240.00	12.91	550.00	7.15		
250.00	12.59	560.00	7.06		
260.00	12.31	570.00	6.95		
270.00	12.16	580.00	6.85		
280.00	11.89	590.00	6.76		
290.00	11.72	600.00	6.70		
300.00	11.45	610.00	6.65		

Cruise: GULFCET 04      Station: 12-EX2      Probe Type: T-7  
 Latitude: 28° 02.23' N      Longitude: 88° 50.69' W      Date: 14-Feb-1993      Time: 1048

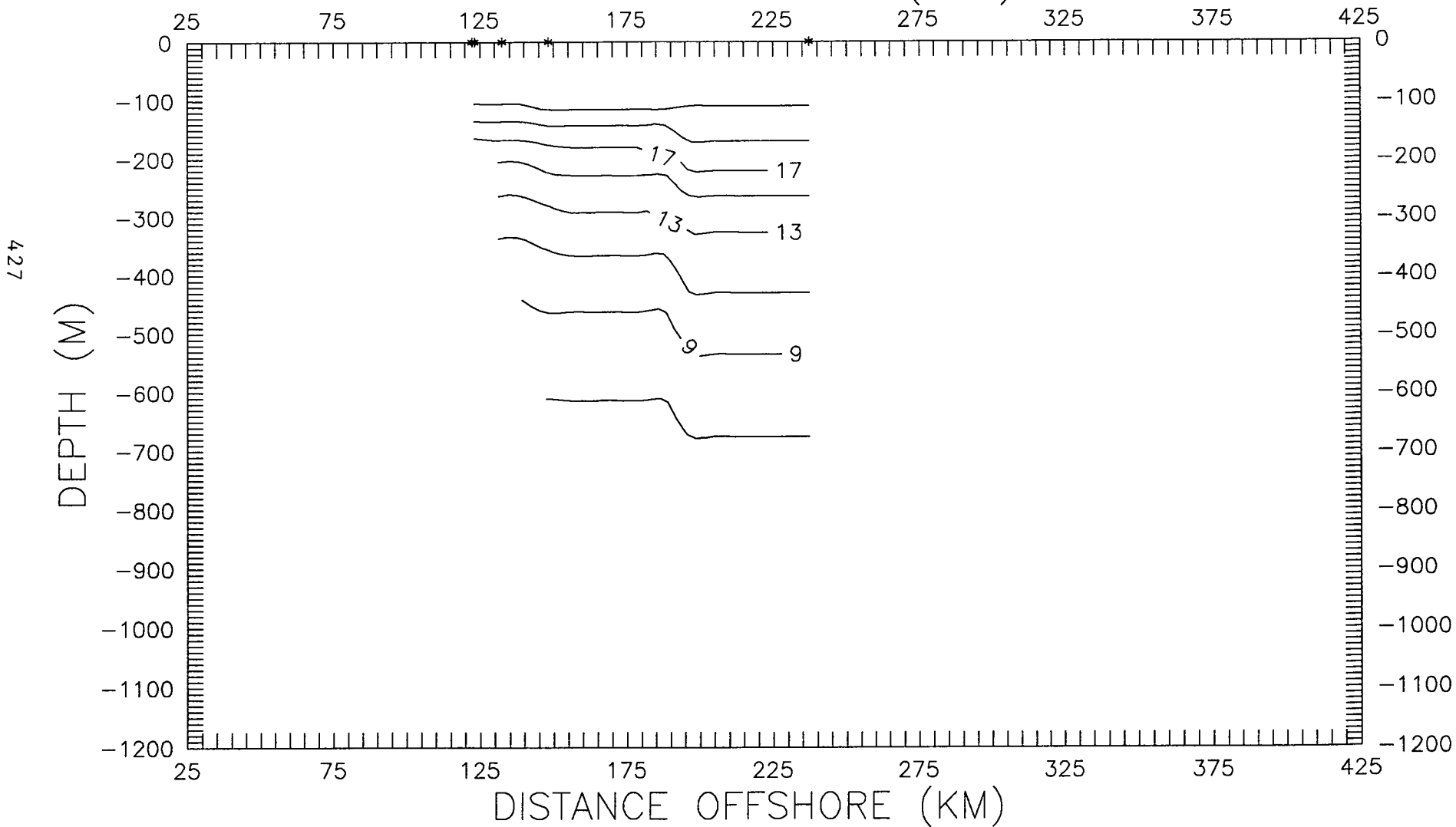
Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.92	310.00	13.68	620.00	7.74
10.00	21.87	320.00	13.37	630.00	7.67
20.00	21.87	330.00	13.04	640.00	7.58
30.00	21.87	340.00	12.74	650.00	7.47
40.00	21.87	350.00	12.46	660.00	7.39
50.00	21.86	360.00	12.19	670.00	7.27
60.00	21.86	370.00	12.05	680.00	7.19
70.00	21.87	380.00	11.85	690.00	7.11
80.00	21.87	390.00	11.63	700.00	6.98
90.00	21.87	400.00	11.41	710.00	6.88
100.00	21.86	410.00	11.22	720.00	6.82
110.00	21.86	420.00	10.99	730.00	6.72
120.00	21.56	430.00	10.81	740.00	6.60
130.00	20.26	440.00	10.60	750.00	6.54
140.00	19.42	450.00	10.45	760.00	6.47
150.00	18.98	460.00	10.31	770.00	6.39
160.00	18.53	470.00	10.15	780.00	6.32
170.00	18.04	480.00	10.01	790.00	6.24
180.00	17.62	490.00	9.84	800.00	6.16
190.00	17.28	500.00	9.66	810.00	6.08
200.00	17.02	510.00	9.48	820.00	6.03
210.00	16.47	520.00	9.24		
220.00	16.18	530.00	9.06		
230.00	15.97	540.00	8.89		
240.00	15.75	550.00	8.77		
250.00	15.39	560.00	8.57		
260.00	15.07	570.00	8.41		
270.00	14.73	580.00	8.25		
280.00	14.48	590.00	8.13		
290.00	14.32	600.00	7.94		
300.00	13.96	610.00	7.80		

Cruise GULFCET 04      Station: 12-EX1      Probe Type: T-7  
 Latitude: 28° 42.52' N      Longitude: 88° 50.02' W      Date: 14-Feb-1993      Time: 0325

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.14	310.00	12.30	620.00	6.97
10.00	22.49	320.00	12.00	630.00	6.72
20.00	22.61	330.00	11.73	640.00	6.57
30.00	22.63	340.00	11.46	650.00	6.36
40.00	22.54	350.00	11.30	660.00	6.29
50.00	22.42	360.00	11.12	670.00	6.21
60.00	22.15	370.00	10.92	680.00	6.10
70.00	22.05	380.00	10.75	690.00	6.04
80.00	22.04	390.00	10.58	700.00	5.95
90.00	22.04	400.00	10.33	710.00	5.89
100.00	21.11	410.00	10.24	720.00	5.82
110.00	19.71	420.00	10.20	730.00	5.77
120.00	18.98	430.00	10.09	740.00	5.75
130.00	18.42	440.00	9.95	750.00	5.72
140.00	17.90	450.00	9.87	760.00	5.66
150.00	17.49	460.00	9.78	770.00	5.58
160.00	17.08	470.00	9.60	780.00	5.58
170.00	16.77	480.00	9.39	790.00	5.58
180.00	16.49	490.00	9.27	800.00	5.54
190.00	16.14	500.00	9.13	810.00	5.50
200.00	15.73	510.00	8.98	820.00	5.41
210.00	15.49	520.00	8.81		
220.00	15.12	530.00	8.68		
230.00	14.66	540.00	8.50		
240.00	14.30	550.00	8.25		
250.00	14.05	560.00	8.06		
260.00	13.67	570.00	7.78		
270.00	13.43	580.00	7.58		
280.00	13.11	590.00	7.53		
290.00	12.85	600.00	7.37		
300.00	12.60	610.00	7.11		

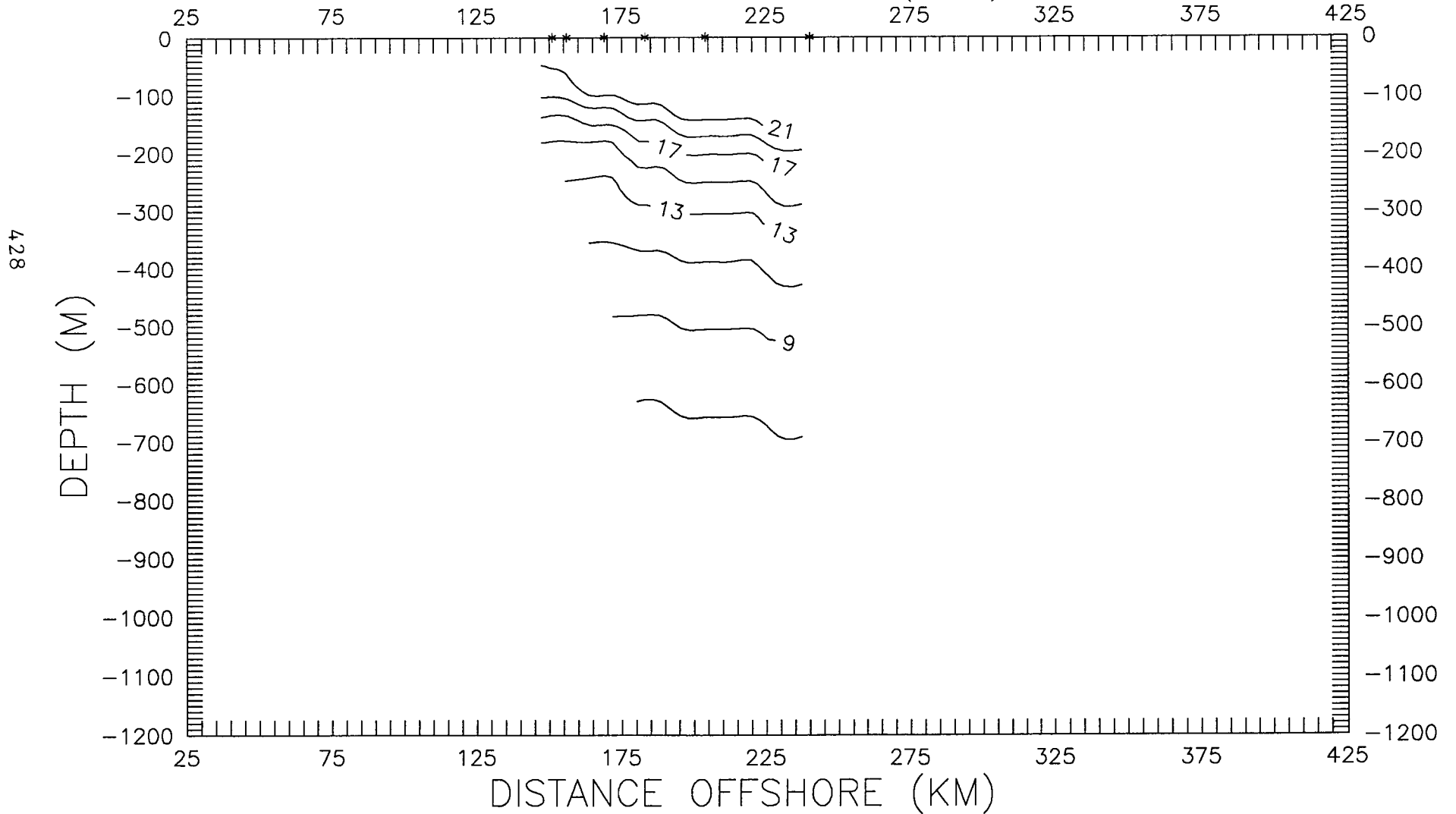
# GULFCET 04: LINE 02

## XBT TEMPERATURE ( °C)



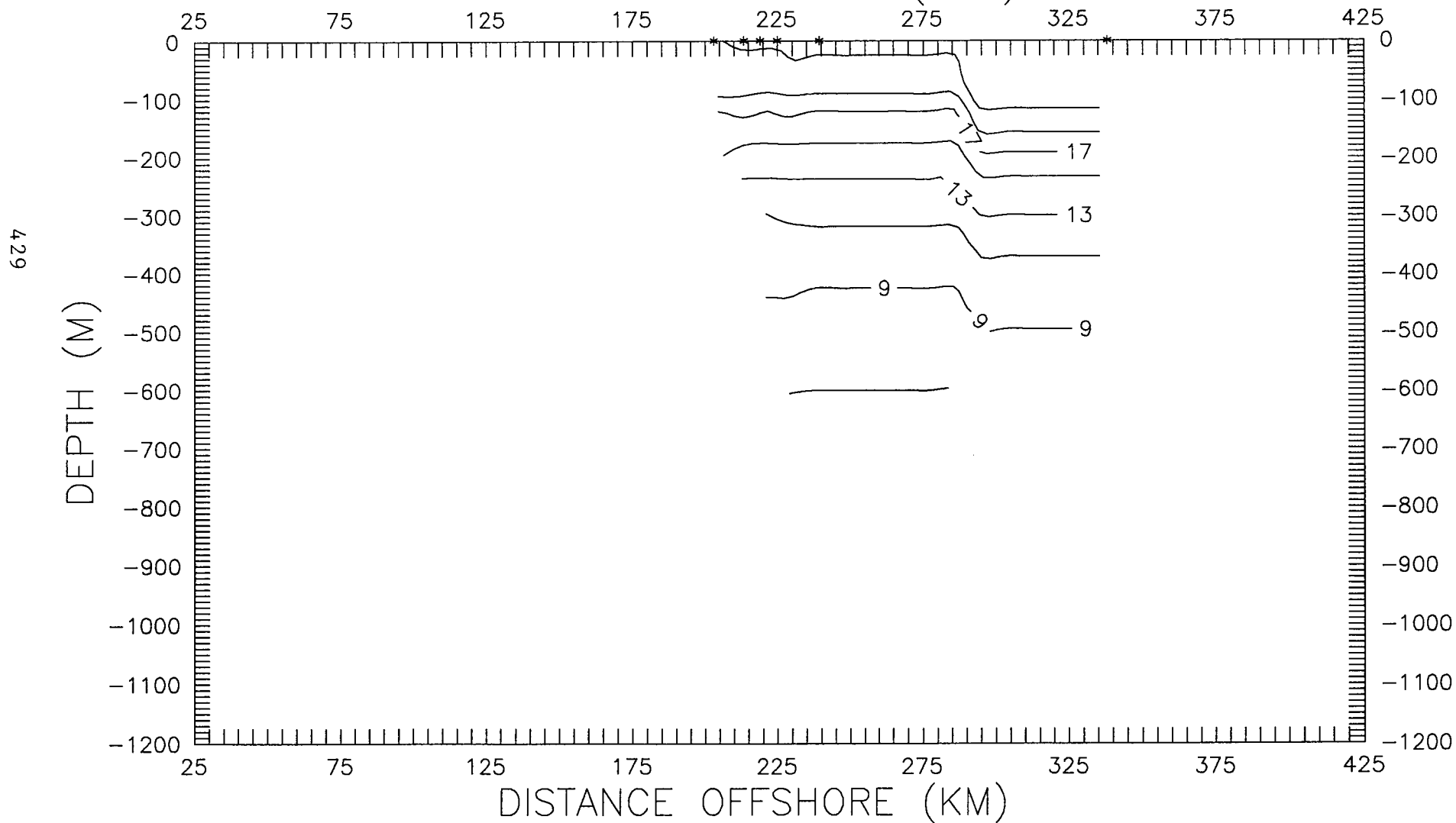
# GULFCET 04: LINE 03

## XBT TEMPERATURE ( °C)



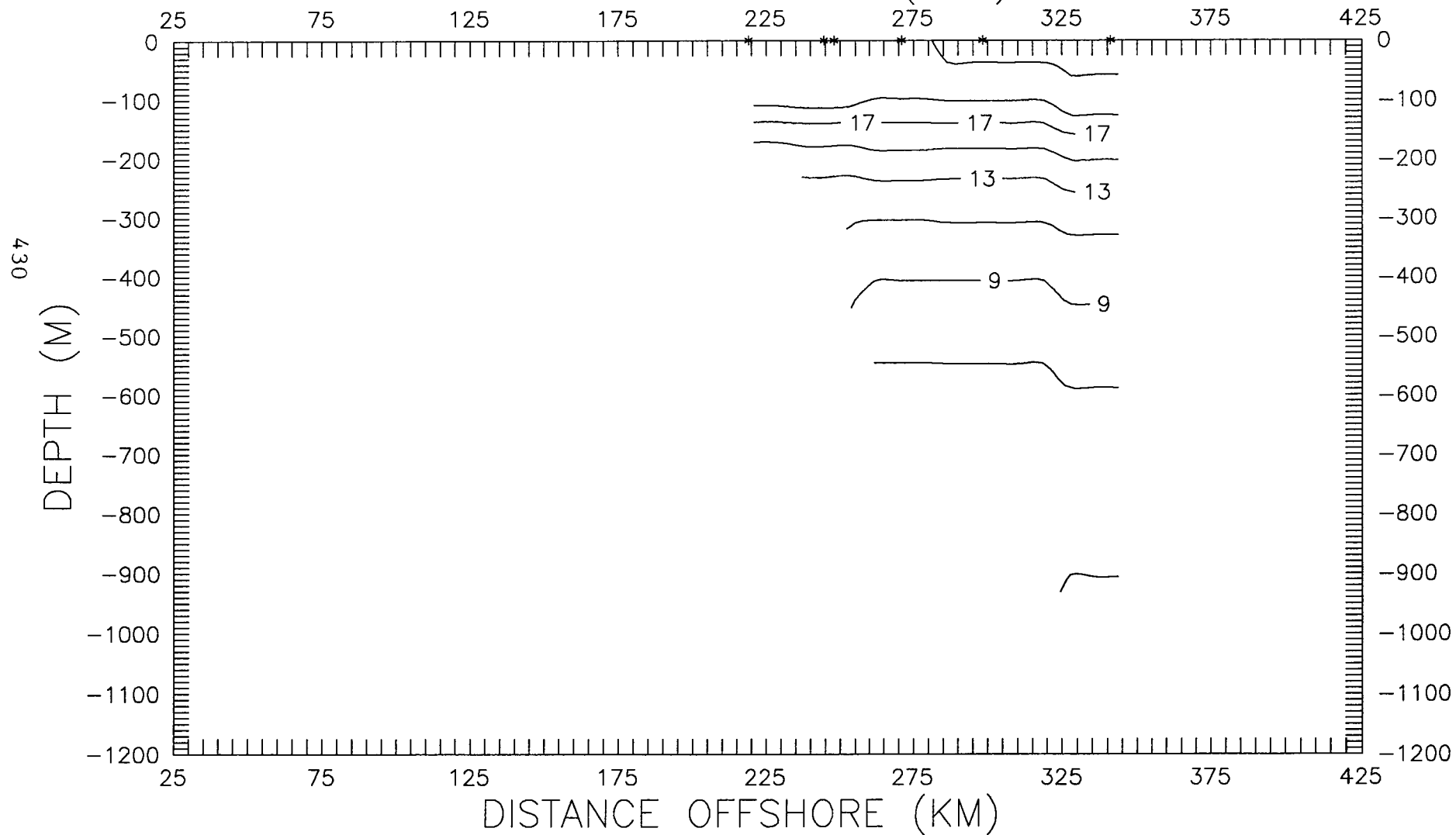
# GULFCET 04: LINE 04

## XBT TEMPERATURE ( °C)



# GULFCET 04: LINE 05

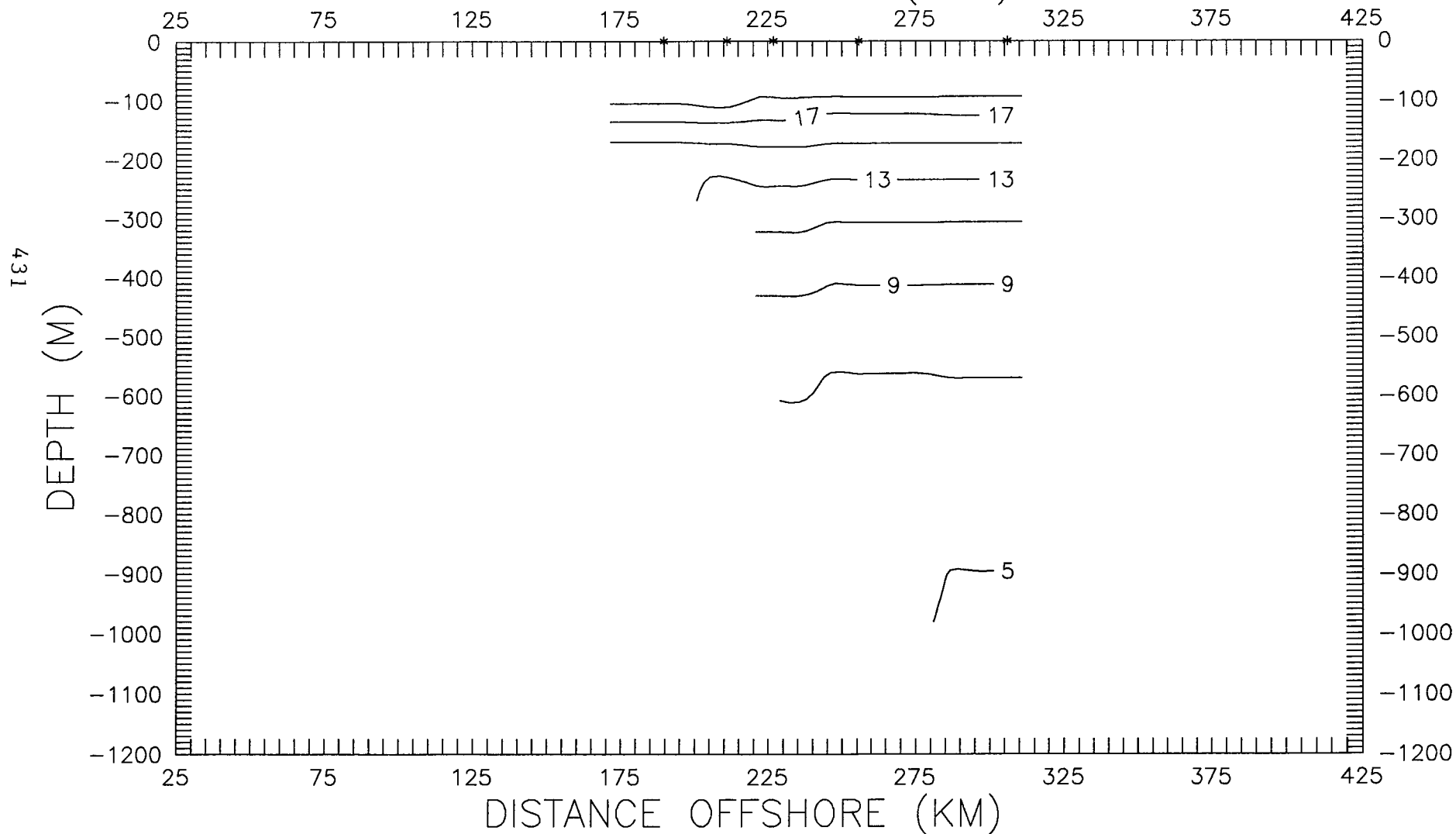
## XBT TEMPERATURE ( °C)





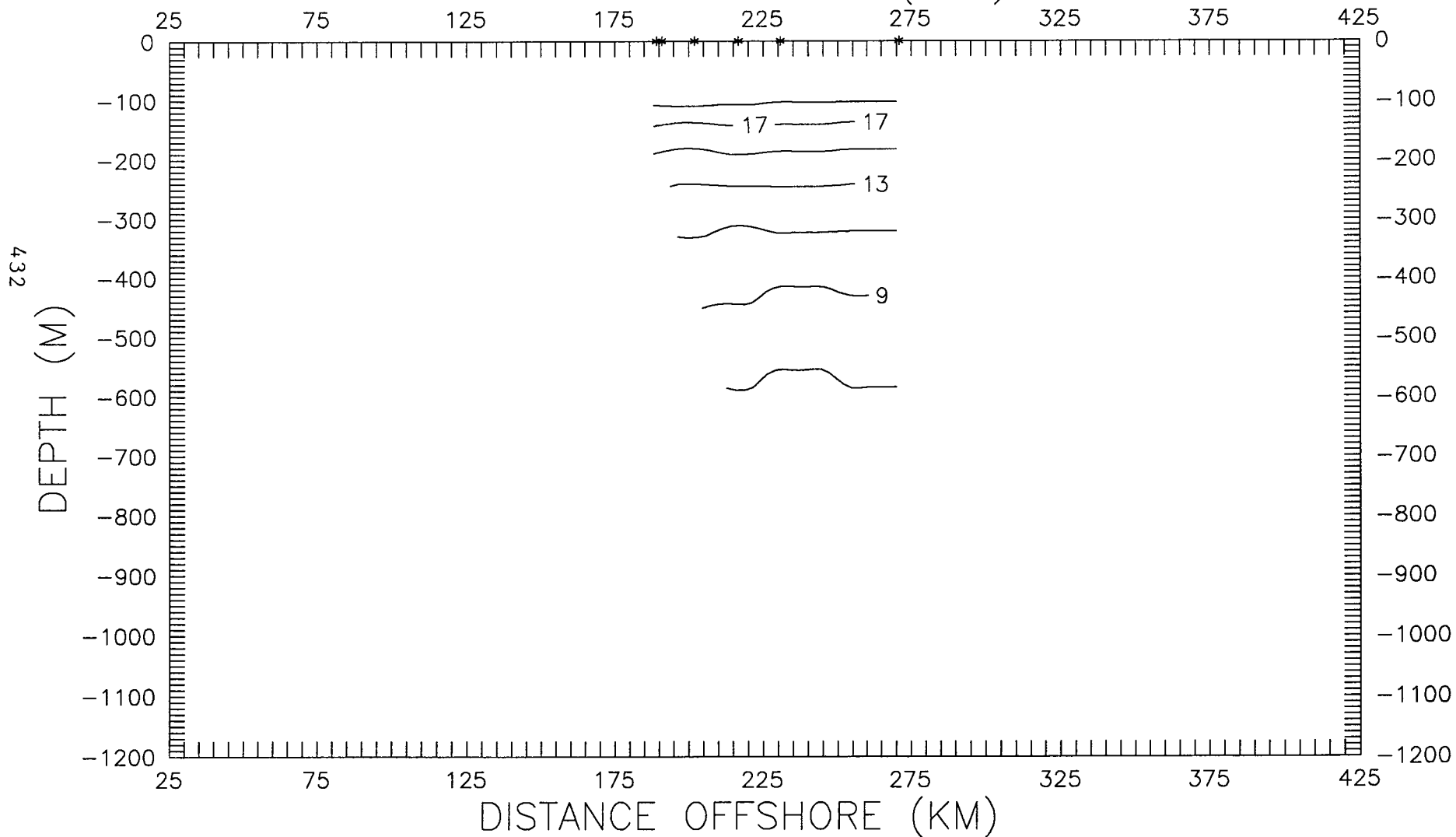
# GULFCET 04: LINE 06

## XBT TEMPERATURE ( °C)



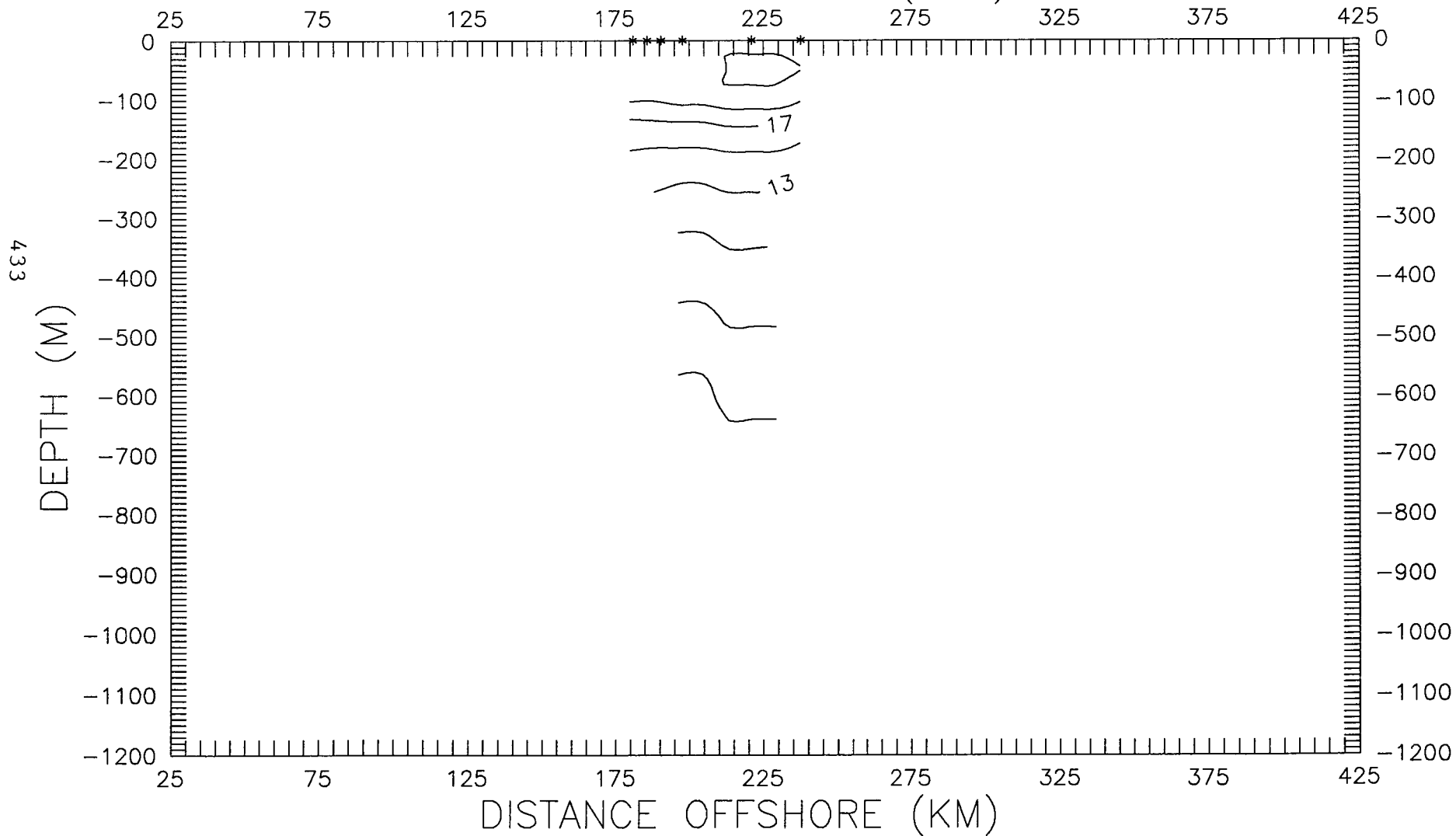
# GULFCET 04: LINE 07

## XBT TEMPERATURE ( °C)



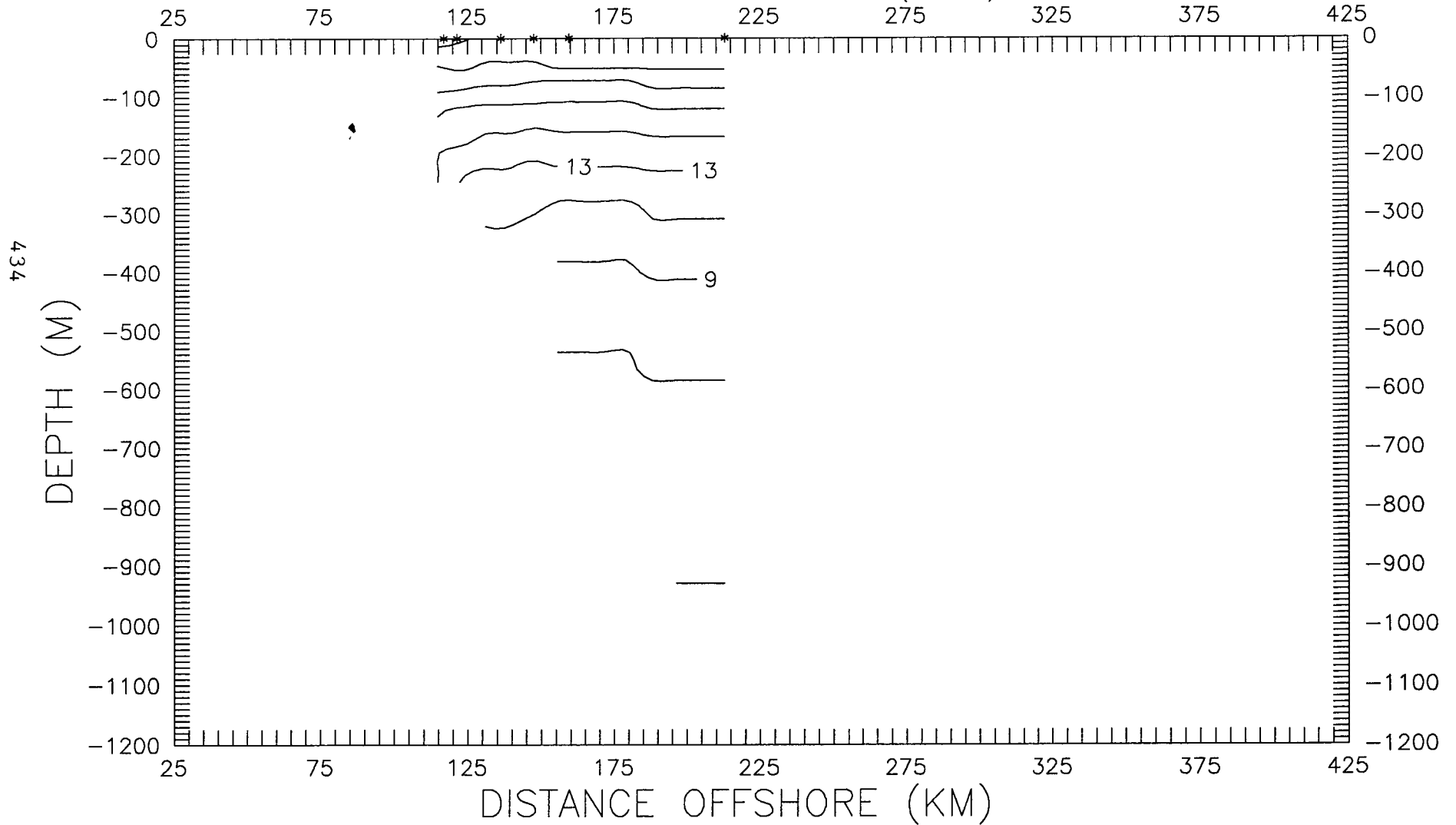
# GULFCET 04: LINE 08

## XBT TEMPERATURE ( °C)



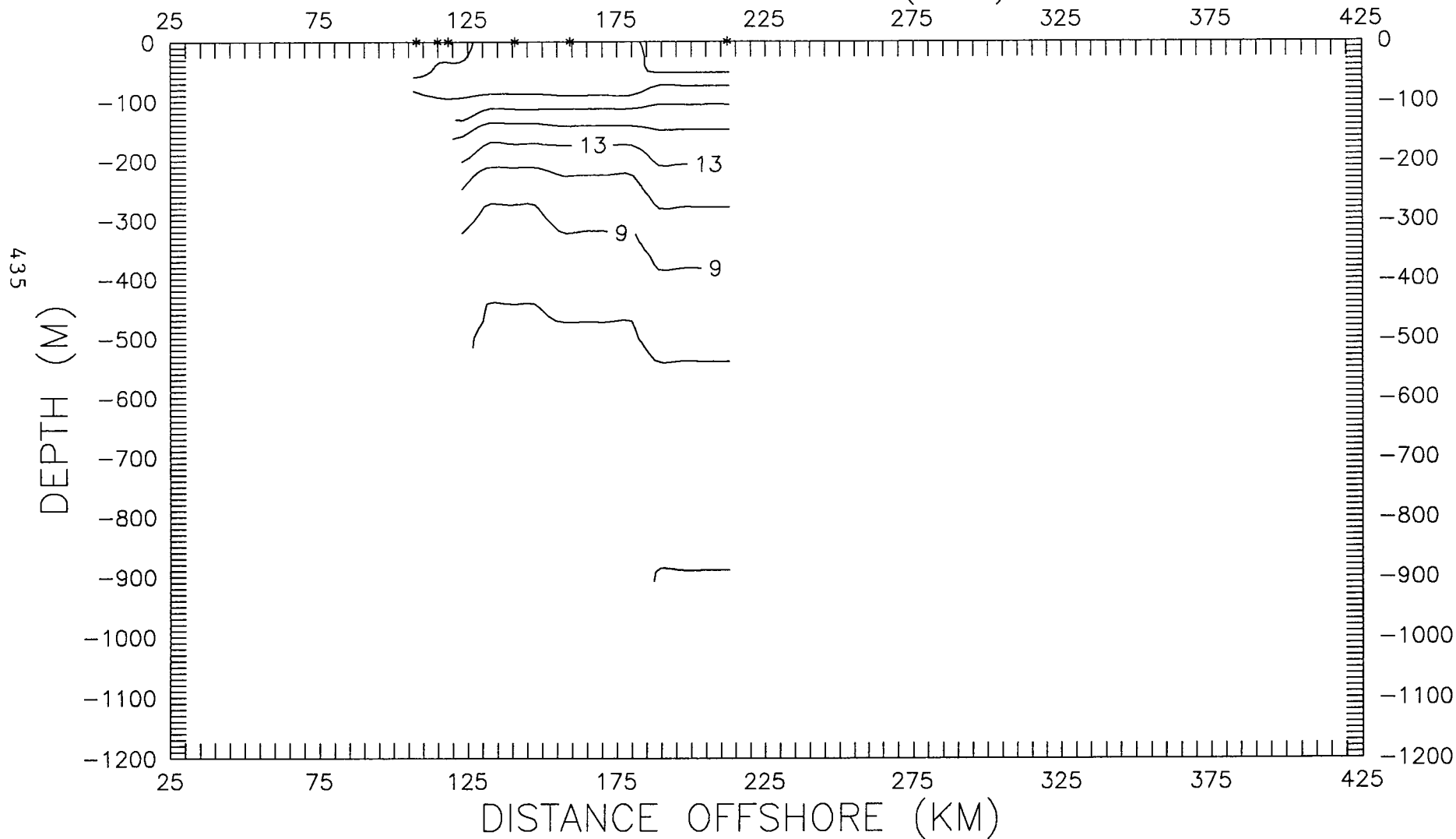
# GULFCET 04: LINE 09

## XBT TEMPERATURE ( °C)



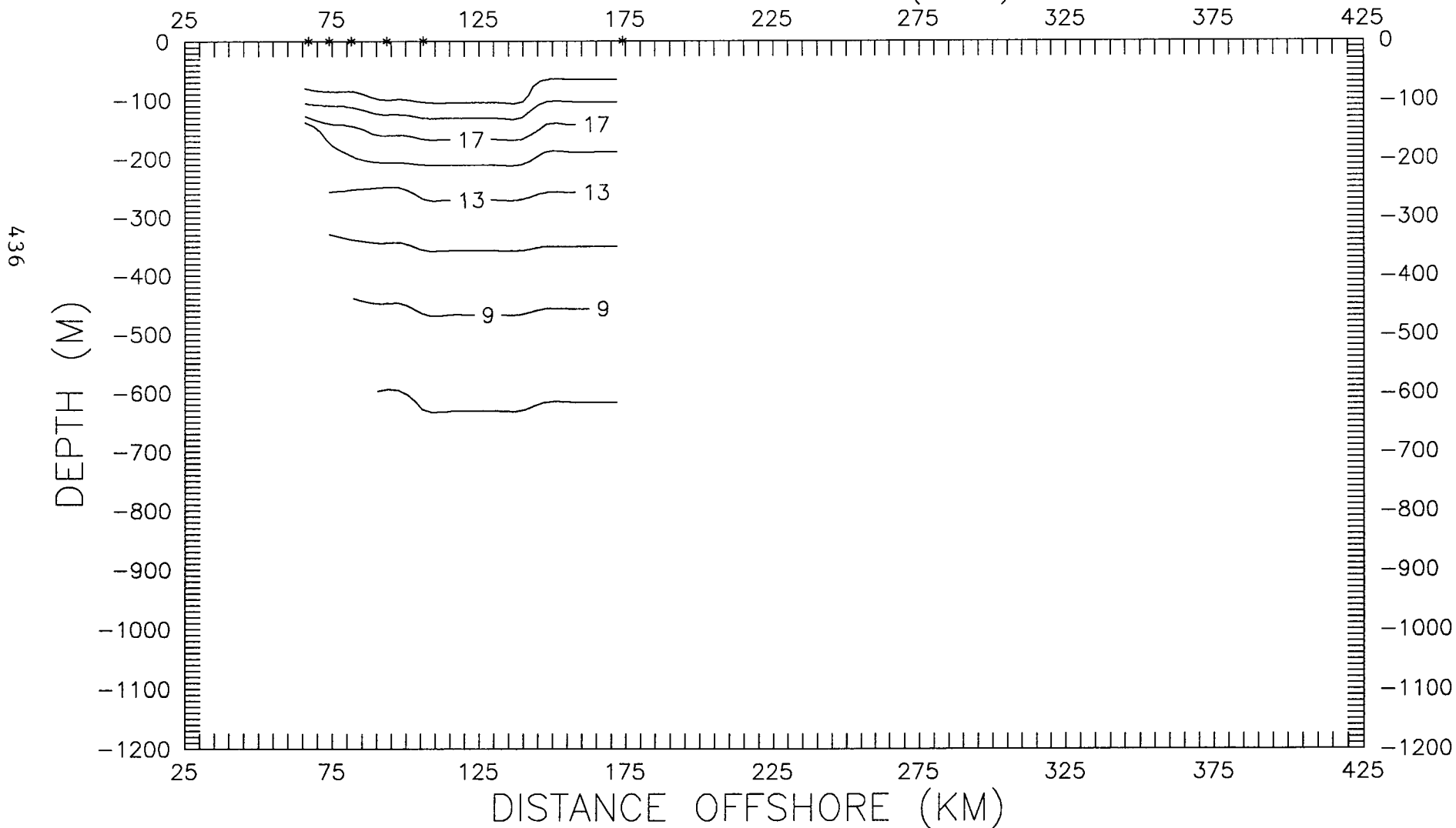
# GULFCET 04: LINE 10

## XBT TEMPERATURE ( °C)



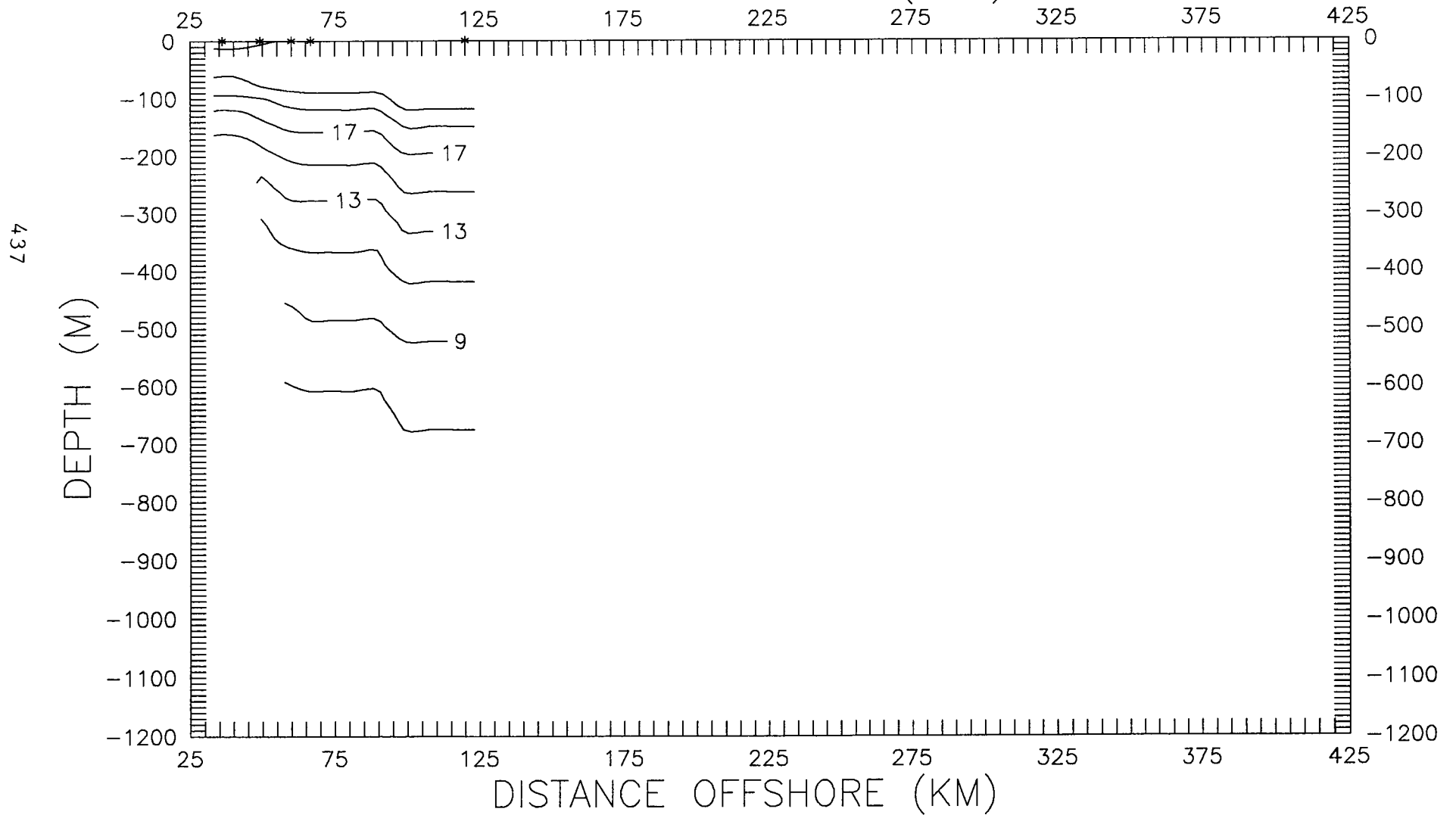
# GULFCET 04: LINE 11

## XBT TEMPERATURE ( °C)



# GULFCET 04: LINE 12

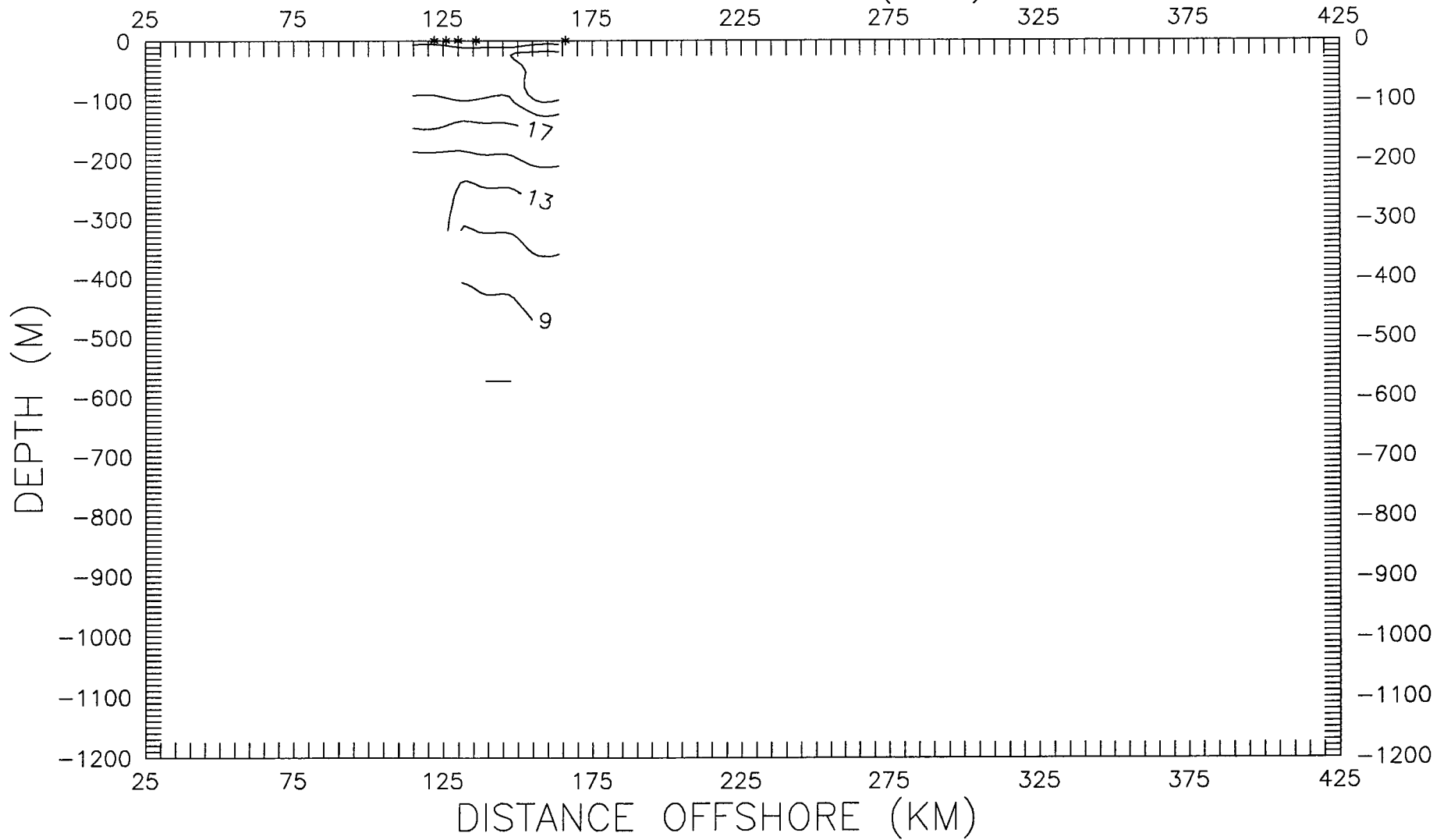
## XBT TEMPERATURE ( °C)



# GULFCET 04: LINE 13

## XBT TEMPERATURE ( °C)

438

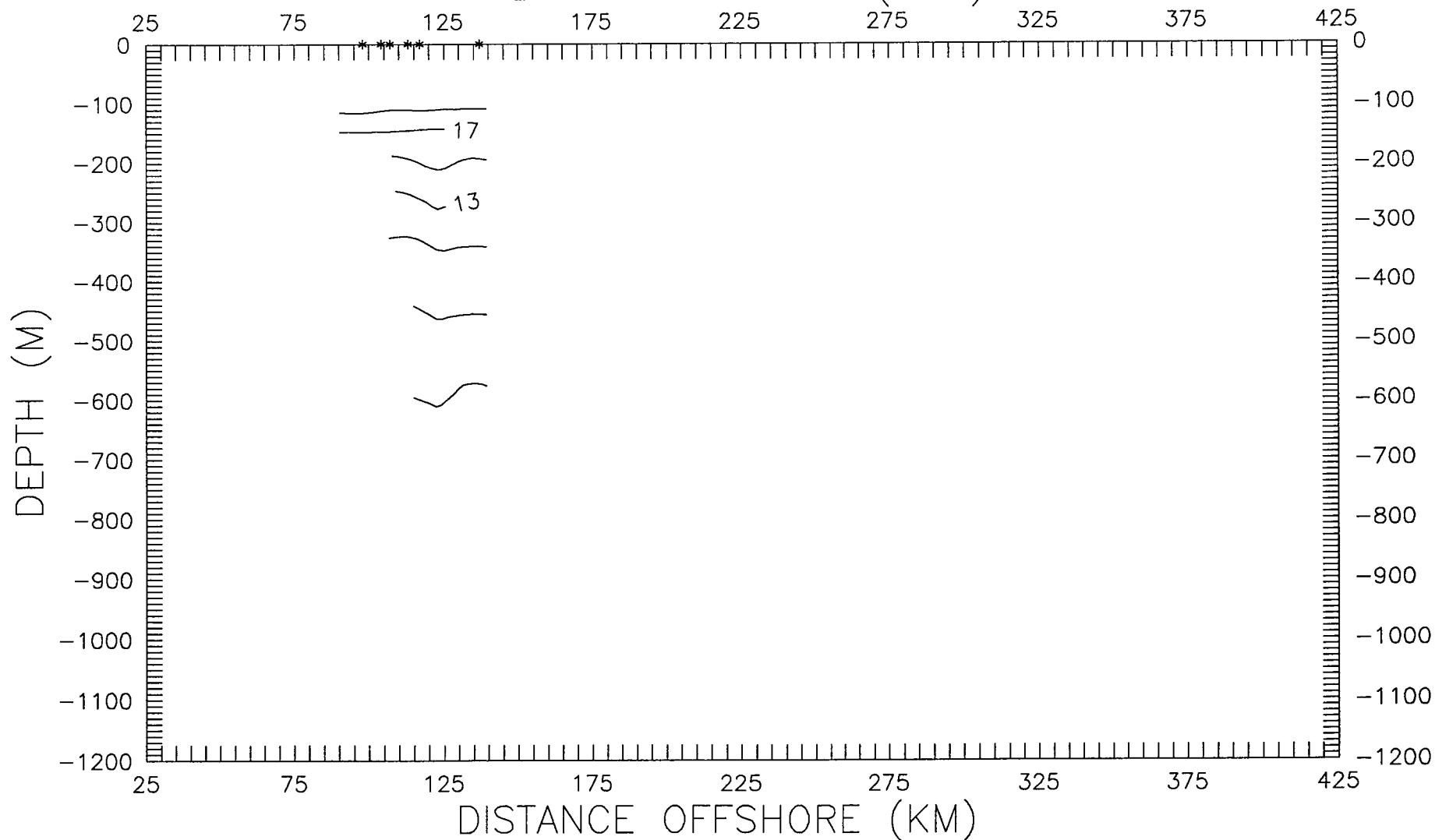




# GULFCET 04: LINE 14

## XBT TEMPERATURE ( °C)

439



**CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:**

-DATA SUMMARY TABLES

-PLOTS OF TEMPERATURE, SALINITY, AND SOUND  
VELOCITY VERSUS DEPTH

- PLOTS OF TEMPERATURE VERSUS SALINITY VERSUS DENSITY FOR :  
ALL CTD STATIONS, OFFSHORE STATIONS (STATIONS AT THE 2000 M  
ISOBATH), INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT  
STATIONS 11-106 AND 12-125)), AND EVERY TWO TRACK LINES  
COMBINED

Cruise: GULFCET 04  
 Date: 24-Feb-93  
 Depth: 1600 m  
 Barometer: 29.54 in Hg

Station: 02-010  
 Time: 1452  
 Wind Dir: 125.5 °  
 Air Temp Dry:

Lat: 26 00.02  
 Wind Speed: 12.4 m/s  
 Air Temp Wet:

Long: 95 30.02  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.456	23.454	35.873	24.465	346.12	1531.71	5.007		10.07
20	23.455	23.451	35.871	24.463	346.64	1531.87	4.893		20.14
30	23.458	23.452	35.873	24.464	346.97	1532.05	4.951		30.20
50	23.529	23.518	36.076	24.598	335.05	1532.79	4.908		50.34
75	22.669	22.654	36.172	24.920	305.30	1531.14	4.790		75.52
100	21.602	21.582	36.306	25.324	267.75	1528.93	4.238		100.69
125	20.254	20.230	36.428	25.785	224.74	1525.86	3.473		125.88
150	19.371	19.343	36.464	26.046	200.72	1523.87	3.064		151.06
200	17.107	17.073	36.264	26.460	162.62	1517.93	3.020		201.44
250	14.908	14.870	35.947	26.724	138.52	1511.65	2.971		251.83
300	13.847	13.803	35.788	26.829	129.50	1508.89	2.926		302.23
400	11.714	11.662	35.461	27.003	114.46	1503.05	2.815		403.07
500	9.599	9.541	35.162	27.147	101.32	1496.88	2.852		503.96
600	7.870	7.808	34.973	27.273	89.49	1491.90	2.988		604.90
700	6.787	6.720	34.906	27.374	80.10	1489.33	3.292		705.89
800	6.010	5.937	34.894	27.468	71.50	1487.92	3.583		806.92
900	5.501	5.422	34.898	27.535	65.57	1487.57	3.926		908.01

Cruise: GULFCET 04  
 Date: 24-Feb-93  
 Depth: 1320 m  
 Barometer: 29.64 in Hg

Station: 02-013  
 Time: 0400  
 Wind Dir: 123.8 °  
 Air Temp Dry: 21.3 °C

Lat: 26 46.00  
 Wind Speed: 10.0 m/s  
 Air Temp Wet: 19.0 °C

Long: 95 29.97  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.746	22.744	36.120	24.858	308.68	1530.18	4.210		10.07
20	22.760	22.756	36.129	24.861	308.81	1530.40	4.066		20.14
30	22.766	22.760	36.134	24.863	308.97	1530.58	4.126		30.20
50	22.602	22.592	36.123	24.902	306.04	1530.49	4.015		50.34
75	22.712	22.697	36.179	24.913	305.95	1531.25	4.083		75.52
100	22.760	22.739	36.380	25.052	293.72	1532.02	3.839		100.69
125	21.689	21.664	36.430	25.393	262.10	1529.71	3.760		125.88
150	20.548	20.519	36.704	25.917	213.20	1527.39	3.387		151.06
200	18.305	18.270	36.664	26.472	161.86	1521.90	2.908		201.44
250	16.006	15.966	36.197	26.668	144.21	1515.36	2.770		251.83
300	14.330	14.285	35.960	26.860	126.85	1510.66	2.746		302.23
400	11.918	11.865	35.553	27.035	111.55	1503.86	2.662		403.07
500	10.014	9.954	35.250	27.145	101.94	1498.49	2.677		503.96
600	8.265	8.201	35.048	27.272	90.09	1493.48	2.781		604.90
700	7.136	7.067	34.958	27.367	81.32	1490.74	2.985		705.89
800	6.246	6.172	34.915	27.454	73.24	1488.89	3.346		806.92
900	5.666	5.586	34.912	27.525	66.80	1488.25	3.667		908.01

**Cruise:** GULFCET 04      **Station:** 02-015  
**Date:** 23-Feb-93      **Time:** 2018      **Lat:** 27 26.02      **Long:** 95 29.97  
**Depth:** 875 m      **Wind Dir:** 119.8 °      **Wind Speed:** 7.6 m/s      **Wave Dir:**  
**Barometer:** 29.69 in Hg      **Air Temp Dry:** 21.1 °C      **Air Temp Wet:** 17.2 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.675	22.673	35.925	24.731	320.79	1529.79	4.752		10.07
20	22.679	22.675	35.924	24.729	321.39	1529.96	4.807		20.14
30	22.673	22.667	35.925	24.731	321.56	1530.12	4.898		30.20
50	22.775	22.765	36.148	24.871	308.98	1530.96	4.805		50.34
75	22.763	22.747	36.313	25.000	297.64	1531.53	4.728		75.52
100	22.721	22.700	36.411	25.086	290.46	1531.95	4.619		100.69
125	20.642	20.618	36.456	25.702	232.69	1526.94	3.619		125.88
150	19.051	19.024	36.530	26.179	188.00	1523.04	3.155		151.06
200	16.240	16.208	36.155	26.582	150.83	1515.19	2.904		201.44
250	14.512	14.474	35.894	26.769	134.06	1510.33	2.990		251.83
300	13.103	13.061	35.676	26.897	122.78	1506.32	2.886		302.23
400	10.402	10.354	35.271	27.094	104.89	1498.23	2.854		403.07
500	8.796	8.741	35.066	27.203	95.31	1493.82	2.944		503.96
600	7.374	7.314	34.941	27.320	84.49	1489.97	3.141		604.90
700	6.417	6.352	34.893	27.414	75.80	1487.86	3.513		705.89
800	5.554	5.484	34.899	27.529	64.99	1486.11	4.054		806.92

**Cruise:** GULFCET 04      **Station:** 02-020  
**Date:** 23-Feb-93      **Time:** 1627      **Lat:** 27 47.00      **Long:** 95 30.02  
**Depth:** 96 m      **Wind Dir:** 102.0 °      **Wind Speed:** 5.9 m/s      **Wave Dir:** 285 °  
**Barometer:** 29.67 in Hg      **Air Temp Dry:** 21.5 °C      **Air Temp Wet:** 16.8 °C      **Secchi Depth:** 16.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.668	22.666	36.063	24.837	310.68	1529.92	4.878		10.07
20	22.678	22.674	36.063	24.835	311.28	1530.11	4.840		20.14
30	22.505	22.499	36.018	24.850	310.24	1529.79	4.896		30.20
50	22.129	22.119	35.942	24.899	306.32	1529.07	4.884		50.34
75	20.987	20.972	35.853	25.149	283.38	1526.36	4.869		75.52

**Cruise:** GULFCET 04      **Station:** 03-021  
**Date:** 23-Feb-93      **Time:** 1131      **Lat:** 27 56.07      **Long:** 94 50.00  
**Depth:** 102 m      **Wind Dir:** 92.5 °      **Wind Speed:** 4.7 m/s      **Wave Dir:** 270 °  
**Barometer:** 29.75 in Hg      **Air Temp Dry:** 21.0 °C      **Air Temp Wet:** 16.0 °C      **Secchi Depth:** 15.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.091	21.090	35.827	25.101	285.58	1525.52	5.448		10.07
20	20.963	20.959	35.854	25.156	280.66	1525.38	5.457		20.14
30	20.859	20.853	35.866	25.193	277.48	1525.28	5.420		30.20
50	20.731	20.721	35.873	25.233	274.41	1525.28	5.537		50.34
75	20.131	20.117	35.980	25.476	252.21	1524.18	5.220		75.52

Cruise: GULFCET 04  
 Date: 23-Feb-93  
 Depth: 905 m  
 Barometer: 29.81 in Hg

Station: 03-026  
 Time: 0550  
 Wind Dir: 69.5 °  
 Air Temp Dry: 20.0 °C

Lat: 27 26.00  
 Wind Speed: 7.8 m/s  
 Air Temp Wet: 16.7 °C

Long: 94 49.91  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.804	22.802	36.094	24.822	312.11	1530.30	4.737		10.07
20	22.804	22.800	36.095	24.823	312.44	1530.47	4.759		20.14
30	22.806	22.799	36.096	24.823	312.82	1530.64	4.764		30.20
50	22.714	22.704	36.372	25.059	291.13	1531.05	4.701		50.34
75	22.765	22.750	36.438	25.094	288.71	1531.67	4.646		75.52
100	22.746	22.725	36.442	25.103	288.90	1532.05	4.683		100.69
125	22.053	22.028	36.294	25.188	281.64	1530.52	4.522		125.88
150	20.243	20.215	36.665	25.969	208.19	1526.51	3.308		151.06
200	17.160	17.126	36.295	26.472	161.57	1518.12	3.084		201.44
250	15.062	15.023	35.972	26.708	140.01	1512.16	2.912		251.83
300	13.245	13.202	35.717	26.900	122.55	1506.84	2.930		302.23
400	11.011	10.961	35.364	27.058	108.75	1500.49	2.775		403.07
500	9.254	9.197	35.132	27.180	97.86	1495.59	2.820		503.96
600	7.943	7.880	34.983	27.270	89.89	1492.19	3.025		604.90
700	6.729	6.662	34.904	27.381	79.39	1489.10	3.289		705.89
800	5.786	5.714	34.894	27.497	68.41	1487.03	3.834		806.92

Cruise: GULFCET 04  
 Date: 22-Feb-93  
 Depth: 1420 m  
 Barometer: 29.64 in Hg

Station: 03-029  
 Time: 2137  
 Wind Dir: 26.4 °  
 Air Temp Dry: 21.2 °C

Lat: 26 45.89  
 Wind Speed: 6.4 m/s  
 Air Temp Wet: 19.8 °C

Long: 94 50.02  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.713	22.711	36.147	24.888	305.80	1530.13	4.063		10.07
20	22.706	22.702	36.143	24.887	306.28	1530.27	3.630		20.14
30	22.714	22.708	36.140	24.883	307.10	1530.46	3.679		30.20
50	22.771	22.761	36.436	25.091	288.07	1531.26	5.162		50.34
75	22.754	22.739	36.443	25.101	288.09	1531.65	4.947		75.52
100	22.734	22.713	36.452	25.114	287.84	1532.03	4.869		100.69
125	22.655	22.629	36.448	25.133	286.94	1532.24	4.833		125.88
150	22.659	22.628	36.449	25.133	287.94	1532.68	4.765		151.06
200	20.368	20.330	36.716	25.974	209.54	1527.75	3.535		201.44
250	17.384	17.341	36.340	26.452	165.20	1519.68	3.368		251.83
300	15.834	15.786	36.098	26.632	149.09	1515.55	3.260		302.23
400	12.855	12.800	35.630	26.911	123.96	1507.11	3.036		403.07
500	10.644	10.582	35.307	27.080	108.68	1500.80	2.929		503.96
600	8.610	8.545	35.039	27.211	96.19	1494.77	2.921		604.90
700	7.253	7.184	34.921	27.322	85.75	1491.15	3.125		705.89
800	6.279	6.205	34.891	27.431	75.44	1488.99	3.545		806.92
900	5.762	5.681	34.894	27.499	69.43	1488.61	3.793		908.01

**Cruise:** GULFCET 04      **Station:** 03-030  
**Date:** 22-Feb-93      **Time:** 1551      **Lat:** 26 16.96      **Long:** 94 50.05  
**Depth:** 2000 m      **Wind Dir:** 358 °      **Wind Speed:** 4.8 m/s      **Wave Dir:** 345 °  
**Barometer:** 29.51 in Hg      **Air Temp Dry:** 23.0 °C      **Air Temp Wet:** 21.0 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.677	22.675	36.193	24.934	301.48	1530.08	5.032		10.07
20	22.585	22.581	36.202	24.966	298.74	1530.02	4.942		20.14
30	22.570	22.564	36.208	24.975	298.27	1530.16	4.973		30.20
50	22.674	22.664	36.344	25.049	292.02	1530.92	4.934		50.34
75	22.705	22.690	36.396	25.080	290.12	1531.47	4.812		75.52
100	22.709	22.689	36.397	25.079	291.11	1531.91	4.762		100.69
125	22.657	22.631	36.392	25.090	291.02	1532.19	4.852		125.88
150	22.680	22.649	36.404	25.093	291.72	1532.68	4.809		151.06
200	20.261	20.223	36.727	26.011	206.01	1527.47	3.513		201.44
250	17.455	17.412	36.348	26.441	166.24	1519.90	3.359		251.83
300	15.518	15.470	36.052	26.668	145.54	1514.52	3.119		302.23
400	12.538	12.483	35.591	26.944	120.61	1506.00	2.990		403.07
500	10.605	10.544	35.304	27.084	108.25	1500.66	2.889		503.96
600	8.651	8.586	35.055	27.217	95.73	1494.94	2.960		604.90
700	7.368	7.298	34.934	27.315	86.53	1491.61	3.221		705.89
800	6.527	6.451	34.897	27.403	78.52	1489.97	3.495		806.92
900	5.797	5.716	34.894	27.494	69.95	1488.75	3.842		908.01

**Cruise:** GULFCET 04      **Station:** 04-031  
**Date:** 22-Feb-93      **Time:** 0932      **Lat:** 26 16.70      **Long:** 94 10.12  
**Depth:** 2000 m      **Wind Dir:** 63.8 °      **Wind Speed:** 2.5 m/s      **Wave Dir:** 350 °  
**Barometer:** 29.59 in Hg      **Air Temp Dry:** 24.0 °C      **Air Temp Wet:** 23.0 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.719	22.716	36.119	24.866	307.93	1530.11	4.829		10.07
20	22.693	22.689	36.114	24.869	307.99	1530.21	4.822		20.14
30	22.650	22.644	36.106	24.875	307.80	1530.26	4.824		30.20
50	22.577	22.567	36.091	24.885	307.63	1530.39	4.871		50.34
75	22.456	22.441	36.066	24.901	307.10	1530.47	4.851		75.52
100	22.383	22.363	36.073	24.926	305.61	1530.71	4.786		100.69
125	21.931	21.906	36.180	25.136	286.58	1530.07	4.486		125.88
150	20.739	20.710	36.644	25.819	222.47	1527.84	3.503		151.06
200	17.569	17.535	36.355	26.418	166.74	1519.40	3.232		201.44
250	15.534	15.495	36.046	26.660	144.79	1513.73	3.026		251.83
300	13.941	13.897	35.800	26.819	130.57	1509.22	2.943		302.23
400	11.393	11.341	35.411	27.024	112.21	1501.88	2.921		403.07
500	9.454	9.396	35.150	27.161	99.85	1496.34	2.899		503.96
600	8.140	8.077	35.006	27.257	91.28	1492.96	3.000		604.90
700	6.847	6.780	34.910	27.370	80.64	1489.57	3.355		705.89
800	5.992	5.919	34.892	27.469	71.39	1487.85	3.795		806.92
900	5.390	5.312	34.903	27.552	63.72	1487.13	4.209		908.01

Cruise: GULFCET 04  
 Date: 22-Feb-93  
 Depth: 1350 m  
 Barometer: 29.47 in Hg

Station: 04-033  
 Time: 0325  
 Wind Dir: 41.2 °  
 Air Temp Dry: 22.6 °C

Lat: 26 45.98  
 Wind Speed: 2.2 m/s  
 Air Temp Wet: 20.5 °C

Long: 94 09.90  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.726	22.723	36.111	24.857	308.78	1530.12	4.814		10.07
20	22.699	22.695	36.103	24.859	309.01	1530.21	4.879		20.14
30	22.700	22.694	36.102	24.858	309.45	1530.38	4.877		30.20
50	22.693	22.683	36.099	24.858	310.23	1530.70	4.788		50.34
75	22.745	22.729	36.183	24.907	306.56	1531.34	4.819		75.52
100	21.634	21.614	36.180	25.219	277.71	1528.87	4.349		100.69
125	20.039	20.015	36.493	25.892	214.49	1525.34	3.359		125.88
150	18.819	18.792	36.506	26.220	184.06	1522.36	3.202		151.06
200	16.083	16.051	36.136	26.604	148.73	1514.69	3.014		201.44
250	13.981	13.944	35.812	26.820	129.05	1508.52	3.000		251.83
300	12.653	12.612	35.604	26.931	119.24	1504.74	2.981		302.23
400	10.388	10.339	35.276	27.100	104.27	1498.19	2.908		403.07
500	8.903	8.847	35.080	27.197	95.98	1494.23	2.950		503.96
600	7.679	7.617	34.959	27.289	87.70	1491.16	3.117		604.90
700	6.484	6.419	34.897	27.408	76.50	1488.13	3.533		705.89
800	5.802	5.731	34.894	27.494	68.68	1487.10	3.916		806.92
900	5.264	5.187	34.909	27.572	61.65	1486.63	4.261		908.01

Cruise: GULFCET 04  
 Date: 21-Feb-93  
 Depth: 826 m  
 Barometer: 29.50 in Hg

Station: 04-036  
 Time: 2008  
 Wind Dir: 266 °  
 Air Temp Dry: 22.0 °C

Lat: 27 25.91  
 Wind Speed: 2.3 m/s  
 Air Temp Wet: 21.0 °C

Long: 94 10.01  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.241	21.239	35.957	25.158	280.09	1526.07	5.130		10.07
20	21.088	21.084	35.952	25.196	276.89	1525.82	5.075		20.14
30	20.982	20.976	35.945	25.220	274.95	1525.70	5.141		30.20
50	20.434	20.425	36.050	25.449	253.91	1524.67	4.690		50.34
75	19.963	19.949	36.264	25.737	227.39	1524.03	3.985		75.52
100	18.027	18.009	36.378	26.322	172.54	1519.09	3.077		100.69
125	17.016	16.995	36.283	26.497	156.69	1516.43	3.132		125.88
150	16.075	16.051	36.136	26.606	146.96	1513.83	3.085		151.06
200	14.166	14.137	35.841	26.802	129.33	1508.32	2.938		201.44
250	12.585	12.551	35.594	26.937	117.37	1503.67	2.913		251.83
300	11.562	11.523	35.439	27.014	110.84	1500.83	2.885		302.23
400	9.501	9.455	35.156	27.159	98.06	1494.85	2.889		403.07
500	8.087	8.034	34.996	27.258	89.40	1491.08	3.037		503.96
600	6.890	6.832	34.908	27.362	79.90	1488.06	3.348		604.90
700	6.076	6.012	34.896	27.461	70.93	1486.52	3.679		705.89
800	5.688	5.617	34.898	27.511	66.86	1486.65	3.899		806.92

Cruise: GULFCET 04  
 Date: 21-Feb-93  
 Depth: 95 m  
 Barometer: 29.44 in Hg

Station: 04-042  
 Time: 1510  
 Wind Dir: 192.2 °  
 Air Temp Dry: 22.5 °C

Lat: 27 53.95  
 Wind Speed: 14.6 m/s  
 Air Temp Wet: 21.0 °C

Long: 94 10.01  
 Wave Dir: 195 °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.814	20.812	35.924	25.250	271.36	1524.89	5.223	.192	10.07
20	20.650	20.646	35.938	25.305	266.53	1524.62	5.229	.224	20.14
30	20.491	20.485	35.963	25.366	261.02	1524.39	5.175	.289	30.20
50	20.423	20.413	35.972	25.392	259.31	1524.55	5.200	.359	50.34
75	20.179	20.165	36.029	25.501	249.85	1524.37	5.136	.180	75.52

**Cruise:** GULFCET 04      **Station:** 05-043  
**Date:** 21-Feb-93      **Time:** 1043      **Lat:** 28 00.00      **Long:** 93 29.98  
**Depth:** 93 m      **Wind Dir:** 178.3 °      **Wind Speed:** 6.6 m/s      **Wave Dir:** 0 °  
**Barometer:** 29.53 in Hg      **Air Temp Dry:** 22.2 °C      **Air Temp Wet:** 21.2 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.440	20.438	36.036	25.436	253.66	1523.99	5.320	.216	10.07
20	20.426	20.422	36.034	25.438	253.78	1524.12	5.293	.242	20.14
30	20.406	20.400	36.032	25.442	253.83	1524.23	5.274	.256	30.20
50	20.202	20.193	36.019	25.487	250.27	1524.00	5.299	.198	50.34
75	20.010	19.996	36.061	25.570	243.27	1523.93	5.274	.193	75.52

**Cruise:** GULFCET 04      **Station:** 05-050  
**Date:** 20-Feb-93      **Time:** 2035      **Lat:** 26 46.04      **Long:** 93 29.98  
**Depth:** 1470 m      **Wind Dir:** 145 °      **Wind Speed:** 9.8 m/s      **Wave Dir:**  
**Barometer:** 29.55 in Hg      **Air Temp Dry:**      **Air Temp Wet:**      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.397	21.395	35.929	25.094	286.24	1526.45	5.015		10.07
20	21.365	21.362	35.935	25.107	285.36	1526.54	5.040		20.14
30	21.032	21.026	35.972	25.227	274.31	1525.86	5.058		30.20
50	20.925	20.916	35.975	25.258	272.02	1525.92	5.014		50.34
75	20.789	20.774	36.044	25.348	264.39	1526.04	4.999		75.52
100	20.243	20.224	36.228	25.635	237.99	1525.18	4.530		100.69
125	18.351	18.329	36.407	26.263	179.06	1520.49	2.915		125.88
150	16.958	16.933	36.272	26.502	157.00	1516.66	3.074		151.06
200	14.691	14.661	35.925	26.754	134.08	1510.10	3.010		201.44
250	13.144	13.109	35.682	26.893	121.78	1505.63	2.884		251.83
300	11.692	11.653	35.459	27.005	111.80	1501.30	2.794		302.23
400	9.884	9.837	35.200	27.129	101.22	1496.29	2.831		403.07
500	8.057	8.005	34.989	27.257	89.44	1490.96	2.974		503.96
600	6.893	6.835	34.907	27.361	79.98	1488.07	3.264		604.90
700	6.051	5.988	34.888	27.458	71.13	1486.41	3.671		705.89
800	5.553	5.483	34.898	27.528	65.03	1486.10	3.962		806.92
900	5.109	5.032	34.914	27.595	59.19	1486.00	4.250		908.01

**Cruise:** GULFCET 04      **Station:** 05-053  
**Date:** 20-Feb-93      **Time:** 1340      **Lat:** 26 10.04      **Long:** 93 30.05  
**Depth:** 2000 m      **Wind Dir:** 176.4 °      **Wind Speed:** 18.1 m/s      **Wave Dir:** 170 °  
**Barometer:** 29.59 in Hg      **Air Temp Dry:** 23.0 °C      **Air Temp Wet:** 20.0 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.395	21.393	36.113	25.234	272.85	1526.65	4.281		10.07
20	21.285	21.281	36.124	25.273	269.57	1526.54	4.338		20.14
30	21.251	21.246	36.135	25.290	268.26	1526.63	4.287		30.20
50	21.201	21.192	36.112	25.287	269.31	1526.81	5.106		50.34
75	21.201	21.186	36.112	25.287	270.26	1527.22	5.092		75.52
100	19.683	19.665	36.433	25.941	208.96	1523.87	3.481		100.69
125	18.008	17.986	36.373	26.323	173.28	1519.45	2.992		125.88
150	16.170	16.145	36.166	26.607	146.90	1514.15	3.029		151.06
200	14.219	14.189	35.862	26.808	128.84	1508.52	2.922		201.44
250	12.404	12.370	35.574	26.957	115.38	1503.03	2.876		251.83
300	11.361	11.322	35.411	27.030	109.27	1500.10	2.795		302.23
400	9.372	9.327	35.144	27.171	96.88	1494.37	2.807		403.07
500	7.576	7.526	34.956	27.302	84.69	1489.10	3.896		503.96
800	5.207	5.139	34.908	27.579	59.72	1484.72	4.198		806.92
900	4.888	4.813	34.923	27.627	55.70	1485.12	4.426		908.01



**Cruise:** GULFCET 04      **Station:** 06-054  
**Date:** 20-Feb-93      **Time:** 0852      **Lat:** 26 13.97      **Long:** 92 49.98  
**Depth:** 2000 m      **Wind Dir:** 164.4 °      **Wind Speed:** 8.3 m/s      **Wave Dir:** 33 °  
**Barometer:** 29.71 in Hg      **Air Temp Dry:** 21.8 ° C      **Air Temp Wet:** 19.2 ° C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.312	21.310	36.129	25.269	269.52	1526.45	5.128		10.07
20	21.313	21.309	36.129	25.269	269.94	1526.62	5.099		20.14
30	21.305	21.299	36.128	25.270	270.16	1526.77	5.135		30.20
50	21.286	21.276	36.133	25.280	270.01	1527.06	5.102		50.34
75	21.288	21.273	36.168	25.306	268.44	1527.52	5.023		75.52
100	19.985	19.966	36.425	25.855	217.13	1524.69	3.440		100.69
125	18.022	18.001	36.380	26.325	173.14	1519.50	3.030		125.88
150	16.562	16.537	36.207	26.546	152.73	1515.39	3.119		151.06
200	14.770	14.739	35.947	26.754	134.09	1510.38	3.076		201.44
250	13.163	13.128	35.682	26.889	122.15	1505.69	3.001		251.83
300	11.741	11.702	35.470	27.004	111.88	1501.48	2.928		302.23
400	9.652	9.605	35.178	27.150	99.00	1495.43	2.820		403.07
500	8.121	8.069	34.998	27.254	89.74	1491.22	2.948		503.96
600	6.939	6.881	34.914	27.360	80.14	1488.26	3.243		604.90
700	6.107	6.043	34.887	27.450	71.98	1486.63	3.631		705.89
800	5.545	5.475	34.897	27.529	64.98	1486.07	3.949		806.92
900	5.098	5.021	34.915	27.596	59.02	1485.96	4.241		908.01

**Cruise:** GULFCET 04      **Station:** 06-055  
**Date:** 20-Feb-93      **Time:** 0245      **Lat:** 26 45.88      **Long:** 92 49.93  
**Depth:** 1745 m      **Wind Dir:** 170.1 °      **Wind Speed:** 7.9 m/s      **Wave Dir:**  
**Barometer:** 29.68 in Hg      **Air Temp Dry:** 20.9 ° C      **Air Temp Wet:** 18.0 ° C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.210	21.208	36.138	25.304	266.23	1526.19	4.921		10.07
20	21.213	21.209	36.137	25.303	266.70	1526.36	5.021		20.14
30	21.216	21.210	36.136	25.301	267.23	1526.54	4.956		30.20
50	21.211	21.201	36.134	25.302	267.95	1526.86	4.942		50.34
75	21.041	21.027	36.116	25.334	265.78	1526.80	4.932		75.52
100	19.205	19.187	36.438	26.069	196.70	1522.54	3.146		100.69
125	17.482	17.460	36.337	26.425	163.54	1517.87	3.004		125.88
150	16.434	16.410	36.189	26.562	151.16	1514.99	3.023		151.06
200	14.558	14.528	35.907	26.769	132.57	1509.66	2.963		201.44
250	12.790	12.755	35.614	26.912	119.83	1504.37	3.081		251.83
300	11.656	11.617	35.445	27.001	112.13	1501.16	2.981		302.23
400	9.497	9.452	35.134	27.142	99.62	1494.81	3.006		403.07
500	8.151	8.098	34.995	27.247	90.43	1491.32	2.965		503.96
600	6.915	6.857	34.906	27.357	80.37	1488.16	3.244		604.90
700	6.112	6.049	34.888	27.450	71.98	1486.65	3.624		705.89
800	5.513	5.443	34.898	27.533	64.53	1485.94	4.223		808.01
900	5.146	5.069	34.913	27.590	59.74	1486.15	4.223		908.01

**Cruise:** GULFCET 04      **Station:** 06-059  
**Date:** 19-Feb-93      **Time:** 1921      **Lat:** 27 26.01      **Long:** 92 49.97  
**Depth:** 1035 m      **Wind Dir:** 153 °      **Wind Speed:** 6.7 m/s      **Wave Dir:**  
**Barometer:** 29.76 in Hg      **Air Temp Dry:** 19.0 °C      **Air Temp Wet:** 16.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.549	20.547	36.138	25.484	249.05	1524.41	5.059		10.07
20	20.553	20.550	36.138	25.483	249.52	1524.59	5.085		20.14
30	20.556	20.550	36.138	25.483	249.93	1524.76	5.115		30.20
50	20.557	20.547	36.138	25.483	250.70	1525.10	5.099		50.34
75	20.438	20.424	36.163	25.534	246.77	1525.23	4.941		75.52
100	18.572	18.554	36.463	26.250	179.41	1520.76	3.166		100.69
125	17.413	17.392	36.325	26.433	162.80	1517.65	3.099		125.88
150	16.048	16.024	36.133	26.610	146.60	1513.74	3.125		151.06
200	14.325	14.295	35.861	26.785	131.07	1508.86	3.117		201.44
250	12.779	12.744	35.614	26.914	119.64	1504.34	3.113		251.83
300	11.658	11.619	35.435	26.993	112.87	1501.16	3.085		302.23
400	9.707	9.661	35.170	27.135	100.48	1495.62	2.951		403.07
500	7.879	7.827	34.966	27.265	88.48	1490.26	3.114		503.96
600	7.054	6.995	34.905	27.337	82.44	1488.69	3.295		604.90
700	6.289	6.225	34.888	27.427	74.39	1487.35	3.580		705.89
800	5.784	5.713	34.893	27.496	68.48	1487.02	3.783		806.92
900	5.287	5.209	34.908	27.568	62.02	1486.72	4.112		908.01

**Cruise:** GULFCET 04      **Station:** 06-064  
**Date:** 19-Feb-93      **Time:** 1210      **Lat:** 28 02.00      **Long:** 92 50.08  
**Depth:** 99 m      **Wind Dir:** 158 °      **Wind Speed:** 8.4 m/s      **Wave Dir:** 140 °  
**Barometer:** 30.08 in Hg      **Air Temp Dry:** 19.0 °C      **Air Temp Wet:** 14.5 °C      **Secchi Depth:** 3.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.475	20.473	36.142	25.507	246.89	1524.21	5.183	.257	10.07
20	20.455	20.451	36.141	25.512	246.78	1524.32	5.165	.305	20.14
30	20.348	20.342	36.137	25.538	244.73	1524.19	5.166	.356	30.20
50	20.194	20.185	36.113	25.561	243.22	1524.08	5.186	.336	50.34
75	20.110	20.096	36.117	25.587	241.71	1524.27	5.217	.271	75.52

**Cruise:** GULFCET 04      **Station:** 07-065  
**Date:** 19-Feb-93      **Time:** 0809      **Lat:** 28 02.08      **Long:** 92 09.30  
**Depth:** 103 m      **Wind Dir:** 98 °      **Wind Speed:** 4.8 m/s      **Wave Dir:** 9.0 °  
**Barometer:** 29.96 in Hg      **Air Temp Dry:** 15.5 °C      **Air Temp Wet:** 12.8 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.443	20.441	36.125	25.503	247.29	1524.10	5.105	.219	10.07
20	20.458	20.454	36.123	25.497	248.18	1524.31	5.103	.226	20.14
30	20.455	20.450	36.122	25.498	248.52	1524.47	5.124	.225	30.20
50	20.459	20.449	36.123	25.497	249.30	1524.82	5.053	.214	50.34
75	20.306	20.292	36.204	25.600	240.43	1524.91	4.626	.199	75.52
100	18.871	18.853	36.361	26.096	194.09	1521.50	2.965	.101	100.69

Cruise: GULFCET 04  
 Date: 19-Feb-93  
 Depth: 814 m  
 Barometer: 29.96 in Hg

Station: 07-071  
 Time: 0140  
 Wind Dir: 74.6 °  
 Air Temp Dry: 14.5 °C

Lat: 27 26.00  
 Wind Speed: 2.2 m/s  
 Air Temp Wet: 10.5 °C

Long: 92 10.10  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.899	20.897	36.146	25.396	257.49	1525.36	4.807		10.07
20	20.914	20.910	36.145	25.391	258.33	1525.57	4.801		20.14
30	20.915	20.909	36.145	25.390	258.73	1525.74	4.789		30.20
50	20.916	20.906	36.145	25.390	259.47	1526.08	4.822		50.34
75	20.920	20.905	36.152	25.395	260.01	1526.52	4.779		75.52
100	19.272	19.254	36.501	26.100	193.81	1522.79	3.129		100.69
125	17.770	17.749	36.376	26.385	167.42	1518.76	2.987		125.88
150	16.694	16.669	36.221	26.526	154.65	1515.81	3.024		151.06
200	14.871	14.840	35.950	26.734	135.99	1510.70	3.060		201.44
250	13.327	13.292	35.701	26.870	124.03	1506.26	2.964		251.83
300	11.854	11.814	35.469	26.982	114.03	1501.87	2.990		302.23
400	9.680	9.634	35.152	27.125	101.37	1495.50	2.968		403.07
500	7.952	7.900	34.956	27.247	90.31	1490.53	3.075		503.96
600	6.689	6.632	34.884	27.371	78.78	1487.25	3.466		604.90
700	6.069	6.005	34.886	27.454	71.55	1486.48	3.675		705.89

Cruise: GULFCET 04  
 Date: 18-Feb-93  
 Depth: 1800 m  
 Barometer: 29.96 in Hg

Station: 07-073  
 Time: 1600  
 Wind Dir: 25.4 °  
 Air Temp Dry: 14.1 °C

Lat: 26 45.99  
 Wind Speed: 9.5 m/s  
 Air Temp Wet: 11.5 °C

Long: 92 10.05  
 Wave Dir: 35.0 °  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.070	21.068	36.152	25.354	261.49	1525.83	4.930		10.07
20	21.075	21.072	36.152	25.352	262.02	1526.01	4.867		20.14
30	21.081	21.075	36.153	25.351	262.50	1526.19	4.883		30.20
50	21.092	21.082	36.152	25.347	263.59	1526.56	4.845		50.34
75	21.082	21.067	36.152	25.350	264.28	1526.95	4.854		75.52
100	19.511	19.492	36.557	26.081	195.64	1523.53	3.280		100.69
125	17.794	17.773	36.358	26.365	169.30	1518.81	2.983		125.88
150	16.150	16.125	36.143	26.593	148.14	1514.06	3.100		151.06
200	14.148	14.119	35.835	26.802	129.34	1508.26	3.036		201.44
250	12.705	12.670	35.607	26.923	118.74	1504.08	2.981		251.83
300	11.418	11.379	35.405	27.015	110.71	1500.29	2.929		302.23
400	9.591	9.545	35.165	27.151	98.91	1495.19	2.866		403.07
500	7.987	7.935	34.981	27.261	88.98	1490.69	2.962		503.96
600	6.900	6.842	34.902	27.355	80.49	1488.09	3.223		604.90
700	6.087	6.024	34.886	27.452	71.80	1486.55	3.607		705.89
800	5.559	5.489	34.897	27.527	65.18	1486.13	3.921		806.92
900	5.150	5.073	34.911	27.587	59.97	1486.17	4.160		908.01

Cruise: GULFCET 04  
 Date: 18-Feb-93  
 Depth: 2000 m  
 Barometer: 30.01 in Hg

Station: 07-075  
 Time: 1005  
 Wind Dir: 16.8 °  
 Air Temp Dry: 17.6 °C

Lat: 26 17.00  
 Wind Speed: 8.9 m/s  
 Air Temp Wet: 14.1 °C

Long: 92 10.13  
 Wave Dir: 190 °  
 Secchi Depth: 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.340	21.338	36.153	25.280	268.54	1526.55	5.008		10.07
20	21.340	21.337	36.153	25.280	268.90	1526.72	5.049		20.14
30	21.343	21.337	36.153	25.279	269.34	1526.89	5.081		30.20
50	21.346	21.336	36.153	25.278	270.15	1527.24	4.985		50.34
75	21.349	21.334	36.154	25.278	271.10	1527.67	4.956		75.52
100	20.057	20.039	36.429	25.838	218.71	1524.90	3.467		100.69
125	18.579	18.556	36.418	26.215	183.68	1521.15	2.957		125.88
150	17.406	17.381	36.310	26.423	164.54	1518.03	2.953		151.06
200	15.179	15.148	35.993	26.699	139.45	1511.72	2.885		201.44
250	13.380	13.344	35.715	26.870	124.07	1506.45	2.976		251.83
300	11.998	11.958	35.500	26.978	114.47	1502.40	2.954		302.23
400	10.016	9.968	35.209	27.113	102.79	1496.78	2.852		403.07
500	8.200	8.147	34.998	27.242	91.01	1491.51	2.942		503.96
600	6.827	6.769	34.905	27.369	79.18	1487.81	3.302		604.90
700	6.052	5.988	34.888	27.458	71.13	1486.41	3.640		705.89
800	5.518	5.448	34.896	27.531	64.70	1485.96	3.946		806.92
900	5.103	5.027	34.914	27.595	59.16	1485.98	4.229		908.01

Cruise: GULFCET 04  
 Date: 18-Feb-93  
 Depth: 2000 m  
 Barometer: 29.91 in Hg

Station: 08-076  
 Time: 0440  
 Wind Dir: 19.4 °  
 Air Temp Dry: 18.4 °C

Lat: 26 36.99  
 Wind Speed: 4.0 m/s  
 Air Temp Wet: 15.0 °C

Long: 91 29.99  
 Wave Dir:  
 Secchi Depth:

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.823	20.821	36.036	25.333	263.47	1525.04	4.916		10.07
20	20.822	20.818	36.035	25.332	263.91	1525.20	4.861		20.14
30	20.808	20.802	36.029	25.331	264.37	1525.32	4.883		30.20
50	20.807	20.798	36.029	25.331	265.10	1525.66	4.909		50.34
75	20.805	20.791	36.030	25.333	265.85	1526.07	4.890		75.52
100	19.299	19.281	36.494	26.087	195.01	1522.86	3.193		100.69
125	18.088	18.066	36.397	26.322	173.45	1519.71	3.016		125.88
150	16.808	16.783	36.237	26.511	156.10	1516.17	3.056		151.06
200	14.667	14.636	35.912	26.750	134.46	1510.01	3.078		201.44
250	13.170	13.135	35.674	26.881	122.88	1505.71	3.036		251.83
300	11.630	11.591	35.436	26.999	112.31	1501.06	2.981		302.23
400	9.445	9.399	35.134	27.150	98.82	1494.62	2.915		403.07
500	7.973	7.921	34.966	27.252	89.86	1490.62	3.031		503.96
600	6.953	6.895	34.905	27.351	81.01	1488.30	3.215		604.90
700	6.130	6.066	34.885	27.445	72.43	1486.72	3.544		705.89
800	5.581	5.511	34.895	27.523	65.62	1486.21	3.856		806.92
900	5.168	5.092	34.910	27.585	60.26	1486.24	4.146		908.01

**Cruise:** GULFCET 04      **Station:** 08-080  
**Date:** 17-Feb-93      **Time:** 1931      **Lat:** 27 25.83      **Long:** 91 30.11  
**Depth:** 950 m      **Wind Dir:** 24.5 °      **Wind Speed:** 7.7 m/s      **Wave Dir:**  
**Barometer:** 29.91 in Hg      **Air Temp Dry:** 18.0 °C      **Air Temp Wet:** 15.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.622	20.620	35.544	25.012	293.96	1523.94	5.127		10.07
20	20.664	20.660	35.569	25.020	293.61	1524.25	5.104		20.14
30	20.765	20.760	35.953	25.285	268.74	1525.12	4.741		30.20
50	20.837	20.827	36.036	25.329	265.30	1525.74	4.622		50.34
75	19.512	19.499	35.817	25.515	248.47	1522.28	4.372		75.52
100	19.394	19.376	36.470	26.044	199.10	1523.10	3.502		100.69
125	18.148	18.126	36.404	26.312	174.37	1519.89	3.042		125.88
150	16.429	16.405	36.181	26.558	151.59	1514.96	3.097		151.06
200	14.318	14.288	35.858	26.783	131.19	1508.83	3.050		201.44
250	12.720	12.685	35.606	26.920	119.04	1504.13	2.978		251.83
300	11.342	11.304	35.393	27.019	110.23	1500.01	2.931		302.23
400	9.624	9.578	35.148	27.132	100.70	1495.29	2.975		403.07
500	7.961	7.909	34.957	27.246	90.37	1490.56	3.047		503.96
600	6.721	6.664	34.888	27.369	78.95	1487.38	3.348		604.90
700	5.919	5.857	34.886	27.473	69.49	1485.89	3.715		705.89
800	5.515	5.445	34.898	27.533	64.51	1485.95	3.918		806.92
900	5.127	5.050	34.912	27.591	59.57	1486.07	4.148		908.01

**Cruise:** GULFCET 04      **Station:** 08-086  
**Date:** 17-Feb-93      **Time:** 1225      **Lat:** 28 07.62      **Long:** 91 30.11  
**Depth:** 98 m      **Wind Dir:** 31.3 °      **Wind Speed:** 7.2 m/s      **Wave Dir:** 50.0 °  
**Barometer:** 29.95 in Hg      **Air Temp Dry:** 16.5 °C      **Air Temp Wet:** 13.5 °C      **Secchi Depth:** 4.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.253	20.251	35.466	25.051	290.24	1522.85	5.111	.155	10.07
20	20.366	20.362	35.676	25.181	278.25	1523.56	5.027	.227	20.14
30	20.370	20.364	35.686	25.188	277.94	1523.75	5.011	.300	30.20
50	20.453	20.444	35.865	25.302	267.84	1524.51	5.030	.365	50.34
75	20.547	20.533	36.088	25.447	255.01	1525.44	4.950	.291	75.52

**Cruise:** GULFCET 04      **Station:** 09-087  
**Date:** 17-Feb-93      **Time:** 0818      **Lat:** 28 09.02      **Long:** 90 50.26  
**Depth:** 109 m      **Wind Dir:** 36.1 °      **Wind Speed:** 11.0 m/s      **Wave Dir:** 18.0 °  
**Barometer:** 30.50 in Hg      **Air Temp Dry:** 13.0 °C      **Air Temp Wet:** 11.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	19.192	19.190	32.379	22.972	488.49	1516.42	5.970	4.494	10.07
20	20.923	20.920	35.358	24.789	315.61	1524.72	5.197	1.813	20.14
30	20.674	20.669	35.617	25.054	290.75	1524.50	4.729	1.068	30.20
50	20.965	20.955	36.091	25.335	264.71	1526.15	4.638	.193	50.34
75	20.319	20.305	36.394	25.742	227.00	1525.16	3.719	.147	75.52

**Cruise:** GULFCET 04      **Station:** 09-096  
**Date:** 16-Feb-93      **Time:** 1544      **Lat:** 26 44.98      **Long:** 90 50.02  
**Depth:** 2000 m      **Wind Dir:** 36.8 °      **Wind Speed:** 6.8 m/s      **Wave Dir:** 90 °  
**Barometer:** 29.69 in Hg      **Air Temp Dry:** 20.5 °C      **Air Temp Wet:** 19.9 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.755	20.753	36.069	25.376	259.33	1524.89	5.030		10.07
20	20.746	20.742	36.069	25.379	259.47	1525.03	5.005		20.14
30	20.741	20.736	36.069	25.380	259.72	1525.19	5.016		30.20
50	20.697	20.687	36.070	25.392	259.28	1525.40	4.973		50.34
75	20.464	20.450	36.467	25.758	225.43	1525.63	3.544		75.52
100	18.956	18.938	36.458	26.149	189.11	1521.85	3.155		100.69
125	17.352	17.331	36.317	26.442	161.96	1517.46	3.058		125.88
150	16.171	16.147	36.145	26.590	148.46	1514.13	3.125		151.06
200	14.270	14.240	35.852	26.789	130.62	1508.67	3.046		201.44
250	12.401	12.367	35.552	26.941	116.95	1502.99	2.987		251.83
300	11.401	11.362	35.403	27.016	110.57	1500.23	2.990		302.23
400	9.177	9.132	35.091	27.161	97.62	1493.59	2.978		403.07
500	7.805	7.753	34.951	27.265	88.42	1489.96	3.072		503.96
600	6.625	6.568	34.883	27.379	77.96	1487.00	3.390		604.90
700	5.860	5.798	34.888	27.482	68.56	1485.65	3.804		705.89
800	5.364	5.295	34.903	27.555	62.18	1485.35	4.046		806.92
900	5.025	4.949	34.917	27.607	57.93	1485.67	4.307		908.01

**Cruise:** GULFCET 04      **Station:** 10-097  
**Date:** 16-Feb-93      **Time:** 0956      **Lat:** 27 09.75      **Long:** 90 09.99  
**Depth:** 2000 m      **Wind Dir:** 250 °      **Wind Speed:** 1.2 m/s      **Wave Dir:** 270 °  
**Barometer:** 29.72 in Hg      **Air Temp Dry:** 22.0 °C      **Air Temp Wet:** 21.0 °C      **Secchi Depth:** 2.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.069	22.067	36.323	25.206	275.59	1528.65	4.831		10.07
20	22.028	22.024	36.319	25.214	275.17	1528.71	4.816		20.14
30	21.550	21.544	36.258	25.301	267.24	1527.56	4.910		30.20
50	21.313	21.303	36.232	25.348	263.55	1527.24	4.878		50.34
75	19.067	19.054	36.477	26.135	189.56	1521.77	3.292		75.52
100	17.980	17.962	36.434	26.377	167.34	1519.02	3.572		100.69
125	15.979	15.959	36.131	26.624	144.42	1513.11	3.430		125.88
150	15.077	15.054	35.980	26.711	136.72	1510.55	3.407		151.06
200	13.376	13.347	35.707	26.864	123.19	1505.59	3.256		201.44
250	12.086	12.053	35.513	26.972	113.88	1501.88	2.933		251.83
300	10.846	10.809	35.312	27.047	107.31	1498.19	3.015		302.23
400	9.080	9.035	35.100	27.184	95.39	1493.24	2.835		403.07
500	7.707	7.656	34.943	27.273	87.55	1489.58	3.076		503.96
600	6.616	6.560	34.884	27.380	77.83	1486.96	3.352		604.90
700	5.909	5.846	34.886	27.475	69.36	1485.84	3.650		705.89
800	5.466	5.397	34.898	27.539	63.86	1485.76	3.944		806.92
900	5.032	4.956	34.917	27.606	57.97	1485.70	4.213		908.01

**Cruise:** GULFCET 04      **Station:** 10-100  
**Date:** 16-Feb-93      **Time:** 0310      **Lat:** 27 45.90      **Long:** 90 09.97  
**Depth:** 800 m      **Wind Dir:** 168 °      **Wind Speed:** 10.0 m/s      **Wave Dir:**  
**Barometer:** 29.51 in Hg      **Air Temp Dry:** 22.0 °C      **Air Temp Wet:** 21.9 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.836	20.834					5.122		10.07
20	20.827	20.824					5.279		20.14
30	20.793	20.787					4.322		30.20
50	20.784	20.774	36.114	25.403	258.28	1525.69	4.886		50.34
75	20.370	20.356	36.336	25.684	232.47	1525.23	4.767		75.52
100	18.215	18.197	36.411	26.300	174.63	1519.68	4.233		100.69
125	16.439	16.418	36.181	26.556	150.99	1514.57	3.420		125.88
150	14.461	14.438	35.874	26.765	131.50	1508.47	3.384		151.06
200	11.638	11.612	35.445	27.004	109.34	1499.44	3.266		201.44
250	9.757	9.728	35.171	27.127	98.06	1493.30	3.134		251.83
300	9.070	9.037	35.081	27.171	94.60	1491.52	3.149		302.23
400	7.710	7.670	34.943	27.273	85.89	1487.93	3.295		403.07
500	6.833	6.785	34.891	27.356	78.83	1486.15	3.472		503.96
600	6.254	6.199	34.883	27.428	72.86	1485.54	3.680		604.90

**Cruise:** GULFCET 04      **Station:** 10-105  
**Date:** 15-Feb-93      **Time:** 1908      **Lat:** 28 15.87      **Long:** 90 10.01  
**Depth:** 94 m      **Wind Dir:**      **Wind Speed:**      **Wave Dir:**  
**Barometer:**      **Air Temp Dry:** 22.5 °C      **Air Temp Wet:** 20.9 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.386	22.384	36.294	25.094	286.26	1529.45	4.754	.188	10.07
20	22.386	22.382	36.294	25.094	286.60	1529.62	4.774	.209	20.14
30	22.389	22.383	36.294	25.093	287.07	1529.79	4.711	.202	30.20
50	22.322	22.312	36.300	25.117	285.58	1529.96	4.736	.233	50.34
75	19.689	19.675	36.492	25.984	203.92	1523.53	3.271	.172	75.52

**Cruise:** GULFCET 04      **Station:** 11-106  
**Date:** 15-Feb-93      **Time:** 1230      **Lat:** 28 45.03      **Long:** 89 29.99  
**Depth:** 95 m      **Wind Dir:** 150 °      **Wind Speed:** 30.6 m/s      **Wave Dir:** 32.0 °  
**Barometer:** 29.69 in Hg      **Air Temp Dry:** 22.0 °C      **Air Temp Wet:** 18.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	17.888	17.886	29.040	20.741	702.11	1508.85	6.754	4.020	10.07
20	21.407	21.403	35.665	24.890	306.02	1526.36	5.038	.465	20.14
30	21.527	21.521	35.940	25.066	289.64	1527.15	4.832	.225	30.20
50	21.850	21.840	36.227	25.194	278.19	1528.65	4.850	.171	50.34
75	21.166	21.151	36.304	25.443	255.47	1527.35	4.284	.100	75.52

**Cruise:** GULFCET 04      **Station:** 11-112  
**Date:** 15-Feb-93      **Time:** 0552      **Lat:** 28 06.13      **Long:** 89 30.08  
**Depth:** 1075 m      **Wind Dir:** 147.8 °      **Wind Speed:** 13.0 m/s      **Wave Dir:**  
**Barometer:** 29.70 in Hg      **Air Temp Dry:** 21.3 °C      **Air Temp Wet:** 18.20 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.199	22.197	36.277	25.134	282.39	1528.94	4.841		10.07
20	22.205	22.201	36.278	25.132	282.94	1529.13	4.843		20.14
30	22.208	22.202	36.277	25.131	283.45	1529.30	4.804		30.20
50	22.059	22.049	36.327	25.211	276.60	1529.31	4.828		50.34
75	22.024	22.009	36.327	25.221	276.58	1529.64	4.763		75.52
100	20.704	20.685	36.576	25.776	224.70	1526.83	3.506		100.69
125	18.921	18.898	36.538	26.219	183.35	1522.26	3.193		125.88
150	17.818	17.792	36.397	26.389	167.88	1519.35	3.231		151.06
200	15.798	15.766	36.091	26.634	145.76	1513.76	3.276		201.44
250	14.122	14.085	35.826	26.801	130.91	1509.00	3.177		251.83
300	12.860	12.819	35.619	26.902	122.17	1505.45	3.252		302.23
400	10.503	10.454	35.270	27.076	106.68	1498.59	2.936		403.07
500	8.742	8.687	35.039	27.191	96.38	1493.59	2.941		503.96
600	7.663	7.602	34.946	27.282	88.36	1491.08	2.935		604.90
700	6.522	6.456	34.884	27.393	77.93	1488.26	3.315		705.89
800	5.944	5.871	34.885	27.470	71.23	1487.65	3.610		806.92
900	5.500	5.421	34.898	27.535	65.59	1487.56	3.833		908.01

**Cruise:** GULFCET 04      **Station:** 11-115  
**Date:** 14-Feb-93      **Time:** 2200      **Lat:** 27 27.11      **Long:** 89 30.16  
**Depth:** 2000 m      **Wind Dir:** 121.5      **Wind Speed:** 16.5 m/s      **Wave Dir:**  
**Barometer:** 29.81 in Hg      **Air Temp Dry:** 20.8 °C      **Air Temp Wet:** 17.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.366	22.364	36.202	25.029	292.35	1529.29	4.757		10.07
20	22.372	22.368	36.201	25.027	292.96	1529.48	4.703		20.14
30	22.348	22.342	36.206	25.037	292.40	1529.59	4.776		30.20
50	21.658	21.648	36.298	25.302	267.97	1528.22	4.580		50.34
75	19.617	19.603	36.549	26.046	198.00	1523.39	3.466		75.52
100	18.474	18.456	36.499	26.303	174.43	1520.52	3.541		100.69
125	17.020	16.999	36.288	26.499	156.42	1516.44	3.507		125.88
150	16.003	15.979	36.131	26.618	145.77	1513.60	3.257		151.06
200	14.245	14.215	35.851	26.794	130.18	1508.59	3.097		201.44
250	12.689	12.655	35.606	26.926	118.49	1504.03	3.034		251.83
300	11.451	11.413	35.402	27.006	111.57	1500.40	3.138		302.23
400	9.792	9.746	35.160	27.113	102.63	1495.91	2.984		403.07
500	8.397	8.343	35.018	27.228	92.54	1492.28	2.947		503.96
600	7.284	7.224	34.919	27.315	84.78	1489.60	3.070		604.90
700	6.343	6.278	34.882	27.415	75.63	1487.56	3.432		705.89
800	5.730	5.659	34.891	27.501	67.92	1486.81	3.742		806.92
900	5.254	5.177	34.908	27.573	61.56	1486.59	4.064		908.01



**Cruise:** GULFCET 04      **Station:** 12-116  
**Date:** 14-Feb-93      **Time:** 1749      **Lat:** 27 25.99      **Long:** 88 50.10  
**Depth:** 2000 m      **Wind Dir:** 92.6 °      **Wind Speed:** 6.3 m/s      **Wave Dir:**  
**Barometer:** 29.80 in Hg      **Air Temp Dry:** 20.0 °C      **Air Temp Wet:** 16.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.411	22.409	36.248	25.051	290.28	1529.46	4.743		10.07
20	21.847	21.843	36.259	25.219	274.67	1528.17	4.846		20.14
30	21.719	21.713	36.254	25.251	272.01	1528.00	4.894		30.20
50	21.724	21.714	36.278	25.268	271.16	1528.38	4.804		50.34
75	20.973	20.959	36.094	25.336	265.63	1526.60	4.884		75.52
100	20.482	20.463	36.572	25.833	219.23	1526.22	3.754		100.69
125	18.645	18.622	36.490	26.252	180.12	1521.42	3.464		125.88
150	17.699	17.673	36.419	26.435	163.50	1519.02	3.699		151.06
200	15.809	15.777	36.090	26.631	146.07	1513.79	3.127		201.44
250	14.127	14.090	35.829	26.802	130.80	1509.02	3.205		251.83
300	12.814	12.772	35.610	26.904	121.91	1505.28	3.106		302.23
400	10.564	10.515	35.286	27.078	106.55	1498.82	2.944		403.07
500	8.926	8.870	35.063	27.180	97.61	1494.30	2.959		503.96
600	7.664	7.602	34.935	27.273	89.18	1491.07	3.117		604.90
700	6.632	6.566	34.881	27.376	79.70	1488.69	3.374		705.89
800	5.927	5.855	34.886	27.472	70.99	1487.58	3.662		806.92
900	5.423	5.345	34.901	27.546	64.36	1487.26	3.993		908.01

**Cruise:** GULFCET 04      **Station:** 12-117  
**Date:** 14-Feb-93      **Time:** 1328      **Lat:** 27 46.01      **Long:** 88 49.99  
**Depth:** 1575 m      **Wind Dir:** 57.6 °      **Wind Speed:** 3.8 m/s      **Wave Dir:**  
**Barometer:** 29.81 in Hg      **Air Temp Dry:** 20.0 °C      **Air Temp Wet:** 16.0 °C      **Secchi Depth:** 24.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.035	22.033	36.391	25.267	269.80	1528.64	5.032		10.07
20	22.000	21.996	36.390	25.276	269.28	1528.72	5.010		20.14
30	21.989	21.983	36.390	25.279	269.37	1528.86	4.978		30.20
50	21.985	21.975	36.391	25.281	269.98	1529.18	4.925		50.34
75	21.987	21.972	36.391	25.280	270.97	1529.61	4.952		75.52
100	21.990	21.970	36.392	25.281	271.90	1530.04	4.973		100.69
125	20.619	20.595	36.575	25.799	223.44	1527.01	3.799		125.88
150	19.273	19.246	36.567	26.150	190.82	1523.71	3.393		151.06
200	16.969	16.936	36.288	26.511	157.73	1517.55	3.372		201.44
250	15.411	15.372	36.033	26.678	143.03	1513.33	3.323		251.83
300	14.043	13.999	35.817	26.810	131.42	1509.57	3.278		302.23
400	11.514	11.462	35.415	27.004	114.18	1502.30	3.118		403.07
500	9.672	9.614	35.158	27.131	102.89	1497.14	3.021		503.96
600	8.258	8.194	34.986	27.224	94.54	1493.38	3.011		604.90
700	7.047	6.978	34.897	27.331	84.50	1490.32	3.231		705.89
800	6.232	6.158	34.880	27.428	75.59	1488.79	3.574		806.92
900	5.588	5.508	34.895	27.522	66.95	1487.91	3.897		908.01

**Cruise:** GULFCET 04      **Station:** 12-119  
**Date:** 14-Feb-93      **Time:** 0608      **Lat:** 28 26.00      **Long:** 88 50.00  
**Depth:** 1300 m      **Wind Dir:** 350.8 °      **Wind Speed:** 3.8 m/s      **Wave Dir:** 14.0 °  
**Barometer:** 29.80 in Hg      **Air Temp Dry:** 18.0 °C      **Air Temp Wet:** 14.0 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.959	21.956	36.392	25.289	267.61	1528.44	4.571		10.07
20	21.964	21.960	36.393	25.288	268.12	1528.63	4.613		20.14
30	21.977	21.971	36.391	25.284	268.93	1528.83	4.655		30.20
50	21.979	21.969	36.392	25.283	269.73	1529.17	4.643		50.34
75	21.987	21.972	36.392	25.281	270.89	1529.61	4.596		75.52
100	21.992	21.972	36.393	25.280	271.92	1530.05	4.578		100.69
125	20.552	20.528	36.639	25.866	217.10	1526.90	3.476		125.88
150	19.218	19.190	36.557	26.157	190.15	1523.54	3.135		151.06
200	16.918	16.885	36.272	26.511	157.73	1517.37	3.255		201.44
250	15.294	15.255	36.012	26.688	142.08	1512.94	3.081		251.83
300	13.893	13.849	35.785	26.817	130.64	1509.04	2.995		302.23
400	11.173	11.122	35.368	27.031	111.41	1501.06	2.876		403.07
500	9.346	9.289	35.115	27.152	100.61	1495.90	2.786		503.96
600	7.815	7.753	34.944	27.258	90.83	1491.66	2.982		604.90
700	6.840	6.773	34.890	27.354	82.06	1489.51	3.212		705.89
800	6.033	5.960	34.885	27.458	72.49	1488.01	3.562		806.92
900	5.471	5.392	34.899	27.539	65.10	1487.45	3.936		908.01

**Cruise:** GULFCET 04      **Station:** 12-125  
**Date:** 13-Feb-93      **Time:** 2305      **Lat:** 29 06.48      **Long:** 88 50.00  
**Depth:** 95 m      **Wind Dir:** 254.4 °      **Wind Speed:** 11.0 m/s      **Wave Dir:**  
**Barometer:** 29.81 in Hg      **Air Temp Dry:** 14.1 °C      **Air Temp Wet:** 12.8 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.069	22.067	36.292	25.182	277.84	1528.62	4.719	.497	10.07
20	22.089	22.085	36.289	25.174	278.98	1528.84	4.612	.207	20.14
30	22.030	22.024	36.278	25.182	278.56	1528.84	4.614	.195	30.20
50	19.208	19.199	35.879	25.640	235.60	1521.07	4.379	.138	50.34
75	18.466	18.453	36.424	26.247	178.86	1520.00	3.305	.102	75.52

**Cruise:** GULFCET 04      **Station:** 13-126  
**Date:** 13-Feb-93      **Time:** 1829      **Lat:** 29 16.56      **Long:** 88 10.06  
**Depth:** 95 m      **Wind Dir:** 291.9 °      **Wind Speed:** 4.6 m/s      **Wave Dir:**  
**Barometer:** 29.76 in Hg      **Air Temp Dry:** 15.5 °C      **Air Temp Wet:** 12.2 °C      **Secchi Depth:**

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	18.931	18.929	34.051	24.315	360.37	1517.56	5.631	1.577	10.07
20	19.804	19.801	35.262	25.014	294.10	1521.55	4.956	.520	20.14
30	20.250	20.244	35.721	25.247	272.35	1523.46	4.606	.213	30.20
50	20.343	20.334	36.138	25.540	245.25	1524.52	4.325	.168	50.34
75	19.917	19.903	36.544	25.963	205.93	1524.22	3.296	.112	75.52

**Cruise:** GULFCET 04      **Station:** 13-133  
**Date:** 13-Feb-93      **Time:** 1227      **Lat:** 28 46.20      **Long:** 88 10.00  
**Depth:** 1850 m      **Wind Dir:** 336.9 °      **Wind Speed:** 5.4 m/s      **Wave Dir:** 34.0 °  
**Barometer:** 30.09 in Hg      **Air Temp Dry:** 13.5 °C      **Air Temp Wet:** 12.2 °C      **Secchi Depth:** 6.00 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.908	21.906	36.254	25.199	276.25	1528.16	5.250		10.07
20	21.967	21.963	36.286	25.206	275.94	1528.52	4.911		20.14
30	21.977	21.971	36.284	25.202	276.70	1528.71	4.857		30.20
50	21.990	21.980	36.311	25.219	275.88	1529.11	4.767		50.34
75	22.003	21.988	36.397	25.280	270.96	1529.66	4.685		75.52
100	21.982	21.962	36.399	25.288	271.22	1530.03	4.647		100.69
125	19.505	19.482	36.523	26.056	198.92	1523.89	3.393		125.88
150	18.015	17.989	36.422	26.359	170.79	1519.95	3.213		151.06
200	15.728	15.697	36.090	26.650	144.25	1513.54	3.061		201.44
250	14.126	14.089	35.826	26.800	130.99	1509.01	2.995		251.83
300	12.606	12.565	35.585	26.926	119.71	1504.56	2.987		302.23
400	10.607	10.557	35.286	27.070	107.32	1498.98	2.878		403.07
500	8.963	8.908	35.070	27.179	97.71	1494.44	2.868		503.96
600	7.658	7.596	34.944	27.281	88.46	1491.06	3.012		604.90
700	6.596	6.529	34.881	27.381	79.19	1488.55	3.320		705.89
800	5.799	5.728	34.887	27.489	69.18	1487.08	3.737		806.92
900	5.342	5.264	34.904	27.559	63.00	1486.94	4.015		908.01

**Cruise:** GULFCET 04      **Station:** 13-134  
**Date:** 13-Feb-93      **Time:** 0916      **Lat:** 28 36.90      **Long:** 88 10.00  
**Depth:** 2000 m      **Wind Dir:** 332.7 °      **Wind Speed:** 9.9 m/s      **Wave Dir:** 17.0 °  
**Barometer:** 29.80 in Hg      **Air Temp Dry:** 14.9 °C      **Air Temp Wet:** 12.5 °C      **Secchi Depth:** 20.0 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	19.614	19.612	33.966	24.075	383.20	1519.40	5.781		10.07
20	21.828	21.824	36.271	25.234	273.26	1528.14	5.105		20.14
30	21.988	21.982	36.370	25.264	270.77	1528.83	5.011		30.20
50	22.003	21.993	36.374	25.263	271.65	1529.21	4.736		50.34
75	22.001	21.986	36.379	25.267	272.21	1529.64	4.681		75.52
100	21.994	21.974	36.392	25.279	272.08	1530.05	4.650		100.69
125	20.420	20.397	36.593	25.866	217.05	1526.50	3.453		125.88
150	18.963	18.935	36.540	26.209	185.13	1522.80	3.241		151.06
200	16.527	16.494	36.215	26.561	152.91	1516.13	3.279		201.44
250	14.782	14.744	35.938	26.744	136.51	1511.24	3.013		251.83
300	13.204	13.162	35.678	26.877	124.65	1506.66	3.108		302.23
400	10.841	10.791	35.313	27.049	109.48	1499.83	2.914		403.07
500	9.136	9.080	35.087	27.164	99.25	1495.10	2.870		503.96
600	7.846	7.784	34.952	27.260	90.69	1491.79	2.951		604.90
700	6.722	6.655	34.884	27.366	80.76	1489.04	3.233		705.89
800	5.966	5.893	34.885	27.467	71.54	1487.74	3.584		806.92
900	5.494	5.415	34.897	27.535	65.57	1487.54	3.876		908.01

**Cruise:** GULFCET 04      **Station:** 14-135  
**Date:** 13-Feb-93      **Time:** 0310      **Lat:** 28 30.92      **Long:** 87 29.94  
**Depth:** 2000 m      **Wind Dir:** 323.7 °      **Wind Speed:** 9.3 m/s      **Wave Dir:**  
**Barometer:** 30.03 in Hg      **Air Temp Dry:** 16.5 °C      **Air Temp Wet:** 13.5 °C      **Secchi Depth:**

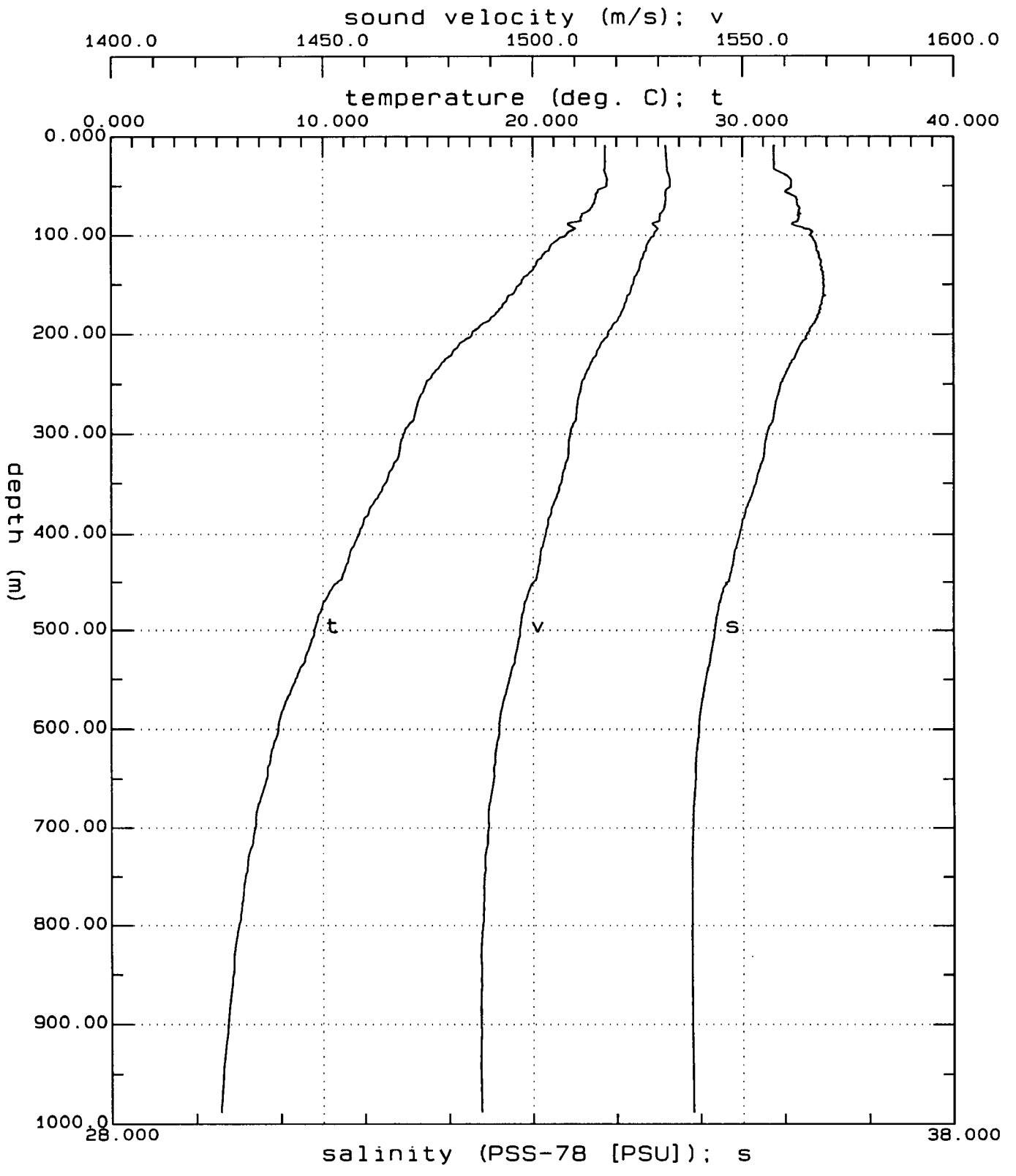
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.447	20.445	35.859	25.299	266.67	1523.82	4.918		10.07
20	20.460	20.456	35.861	25.297	267.25	1524.02	4.928		20.14
30	20.466	20.461	35.860	25.294	267.85	1524.21	4.901		30.20
50	20.368	20.358	35.985	25.417	256.96	1524.41	4.826		50.34
75	20.414	20.400	36.167	25.543	245.91	1525.16	4.768		75.52
100	19.239	19.221	36.058	25.769	225.13	1522.20	4.771		100.69
125	18.572	18.550	36.480	26.264	179.03	1521.20	3.389		125.88
150	17.044	17.019	36.280	26.488	158.35	1516.93	3.142		151.06
200	15.050	15.019	35.972	26.711	138.24	1511.29	3.011		201.44
250	13.589	13.553	35.742	26.848	126.22	1507.17	2.992		251.83
300	12.107	12.067	35.504	26.960	116.23	1502.78	2.934		302.23
400	10.004	9.957	35.201	27.109	103.17	1496.73	2.866		403.07
500	8.187	8.134	34.984	27.233	91.81	1491.45	2.873		503.96
600	7.096	7.037	34.897	27.324	83.67	1488.84	3.060		604.90
700	6.195	6.131	34.879	27.432	73.76	1486.97	3.403		705.89
800	5.650	5.580	34.893	27.512	66.73	1486.49	3.662		806.92
900	5.211	5.134	34.909	27.579	60.93	1486.41	3.934		908.01

**Cruise:** GULFCET 04      **Station:** 14-136  
**Date:** 12-Feb-93      **Time:** 2323      **Lat:** 28 45.95      **Long:** 87 29.92  
**Depth:** 1600 m      **Wind Dir:** 316.5 °      **Wind Speed:** 10 m/s      **Wave Dir:**  
**Barometer:**      **Air Temp Dry:** 16.2 °C      **Air Temp Wet:** 14.5 °C      **Secchi Depth:**

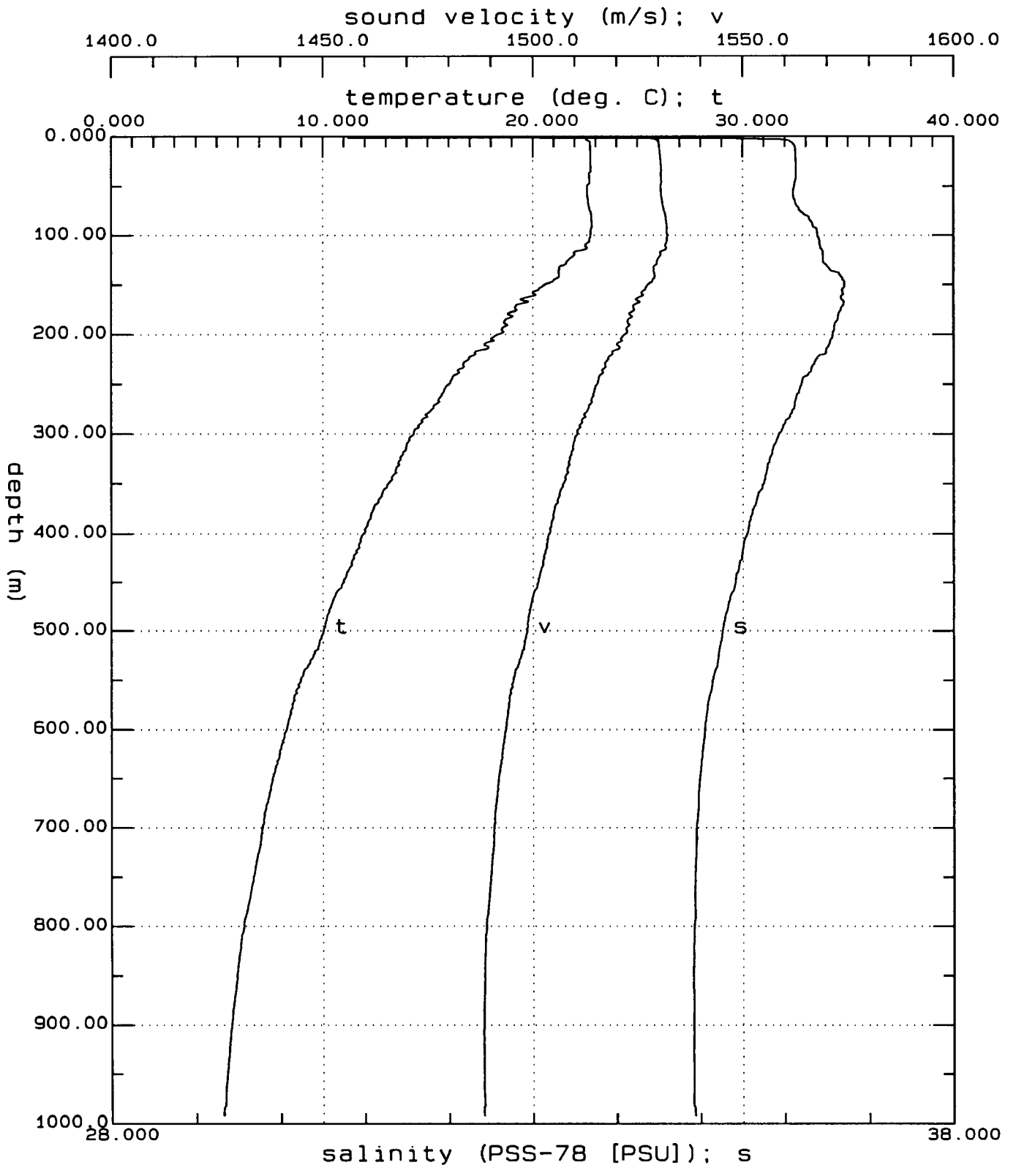
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.436	20.434	36.215	25.574	240.57	1524.18	4.837		10.07
20	20.452	20.448	36.215	25.569	241.34	1524.40	4.826		20.14
30	20.445	20.439	36.216	25.572	241.44	1524.55	4.791		30.20
50	20.461	20.452	36.215	25.567	242.68	1524.93	4.821		50.34
75	19.937	19.923	36.156	25.662	234.50	1523.84	4.708		75.52
100	19.403	19.385	36.497	26.063	197.33	1523.16	3.198		100.69
125	18.041	18.019	36.399	26.335	172.21	1519.58	3.003		125.88
150	16.505	16.481	36.200	26.554	151.97	1515.21	3.057		151.06
200	14.627	14.597	35.905	26.753	134.16	1509.87	3.066		201.44
250	13.133	13.098	35.678	26.892	121.84	1505.59	2.963		251.83
300	11.669	11.630	35.447	27.000	112.23	1501.21	2.932		302.23
400	9.872	9.825	35.180	27.115	102.49	1496.22	2.852		403.07
500	8.367	8.313	34.993	27.213	93.89	1492.13	2.885		503.96
600	7.031	6.973	34.888	27.327	83.39	1488.58	3.123		604.90
700	6.238	6.174	34.881	27.428	74.23	1487.14	3.389		705.89
800	5.686	5.615	34.891	27.506	67.32	1486.63	3.634		806.92
900	5.266	5.189	34.906	27.570	61.85	1486.63	3.906		908.01

**Cruise:** GULFCET 04      **Station:** 14-143  
**Date:** 12-Feb-93      **Time:** 1530      **Lat:** 29 27.00      **Long:** 87 30.00  
**Depth:** 82 m      **Wind Dir:**      **Wind Speed:**      **Wave Dir:**  
**Barometer:**      **Air Temp Dry:**      **Air Temp Wet:**      **Secchi Depth:** 25.0 m

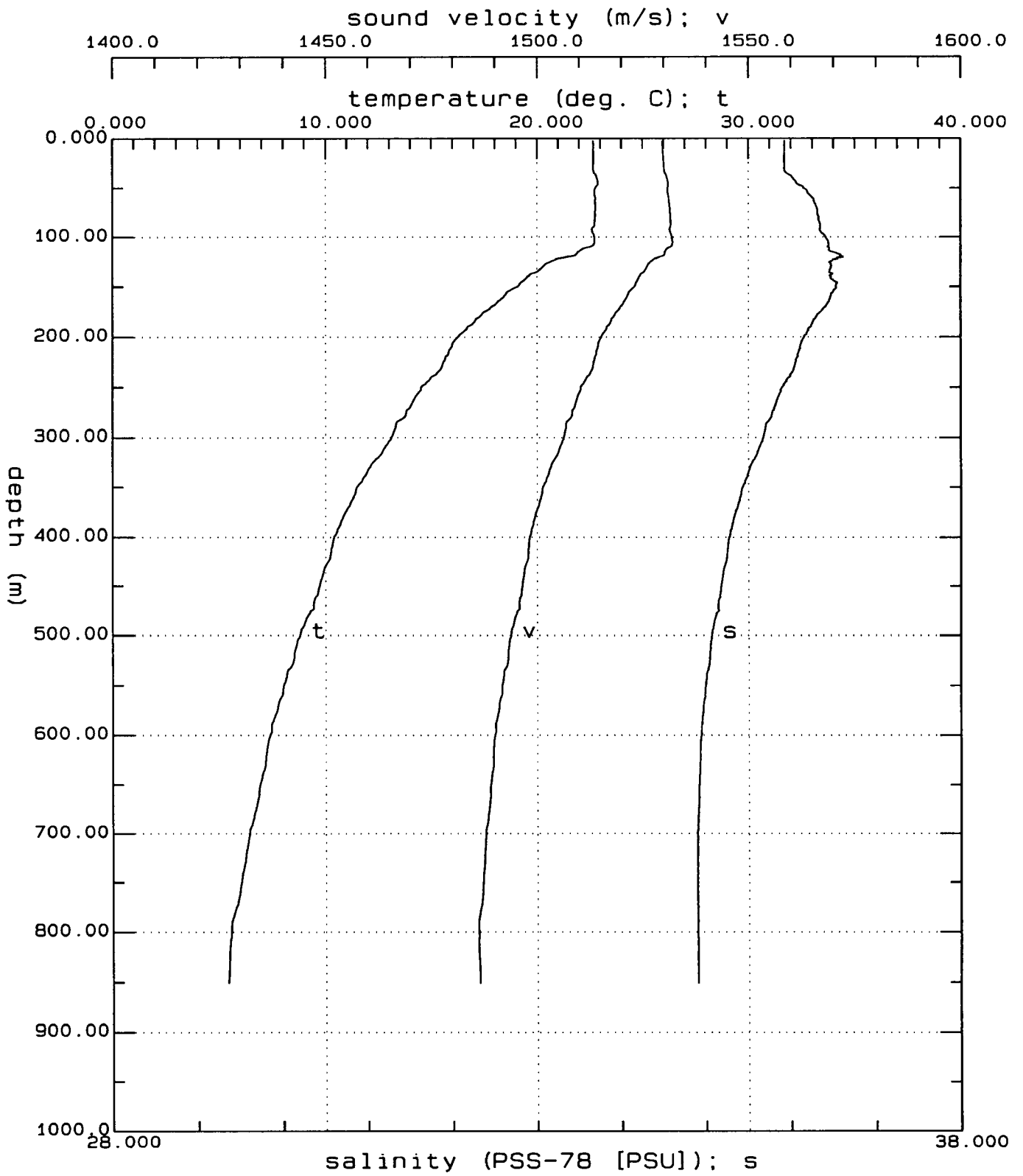
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	20.376	20.374	36.050	25.464	251.00	1523.84	5.005	.474	10.07
20	20.385	20.382	36.051	25.462	251.52	1524.03	5.039	.559	20.14
30	20.390	20.384	36.081	25.484	249.82	1524.25	5.024	.563	30.20
50	20.355	20.346	36.183	25.571	242.31	1524.60	4.933	.656	50.34
75	20.126	20.112	36.284	25.709	230.02	1524.51	4.563	.170	75.52



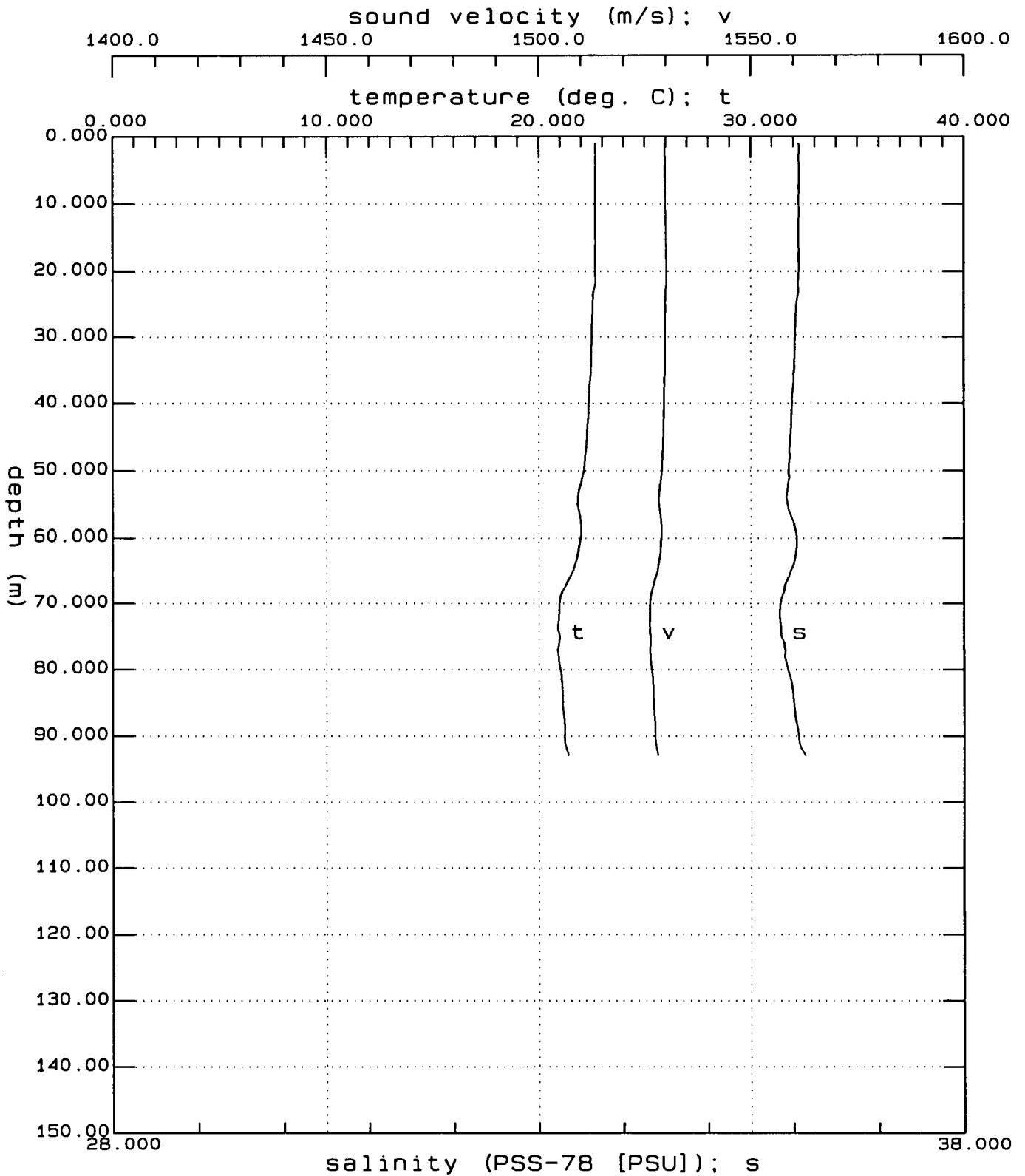
02-010.CNV: Gulfcet Cruise 04



02-013.CNV: Gulfcet Cruise 04

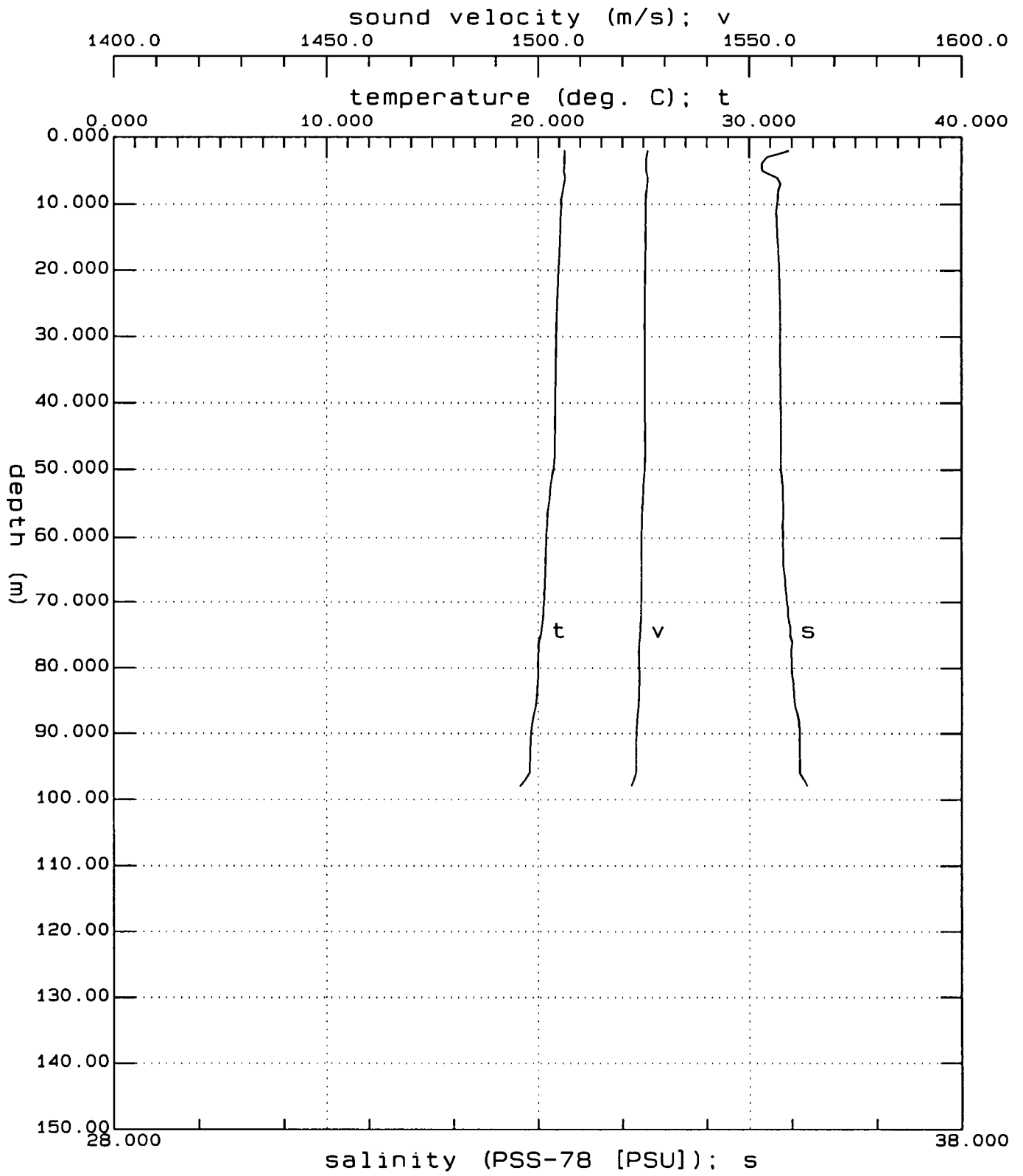


02-015.CNV: Gulfcet Cruise 04

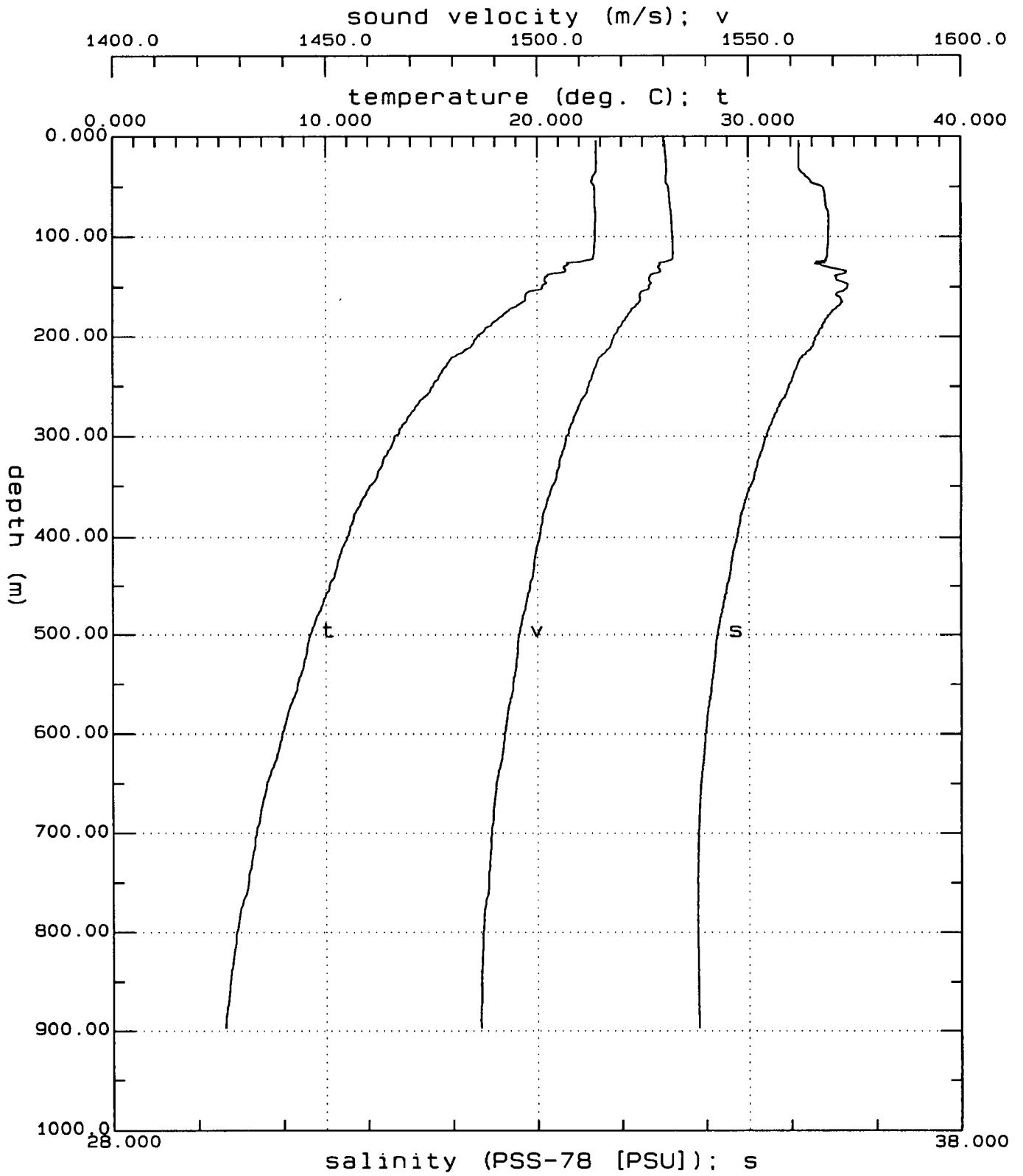


02-020.CNV: Gulfcet Cruise 04

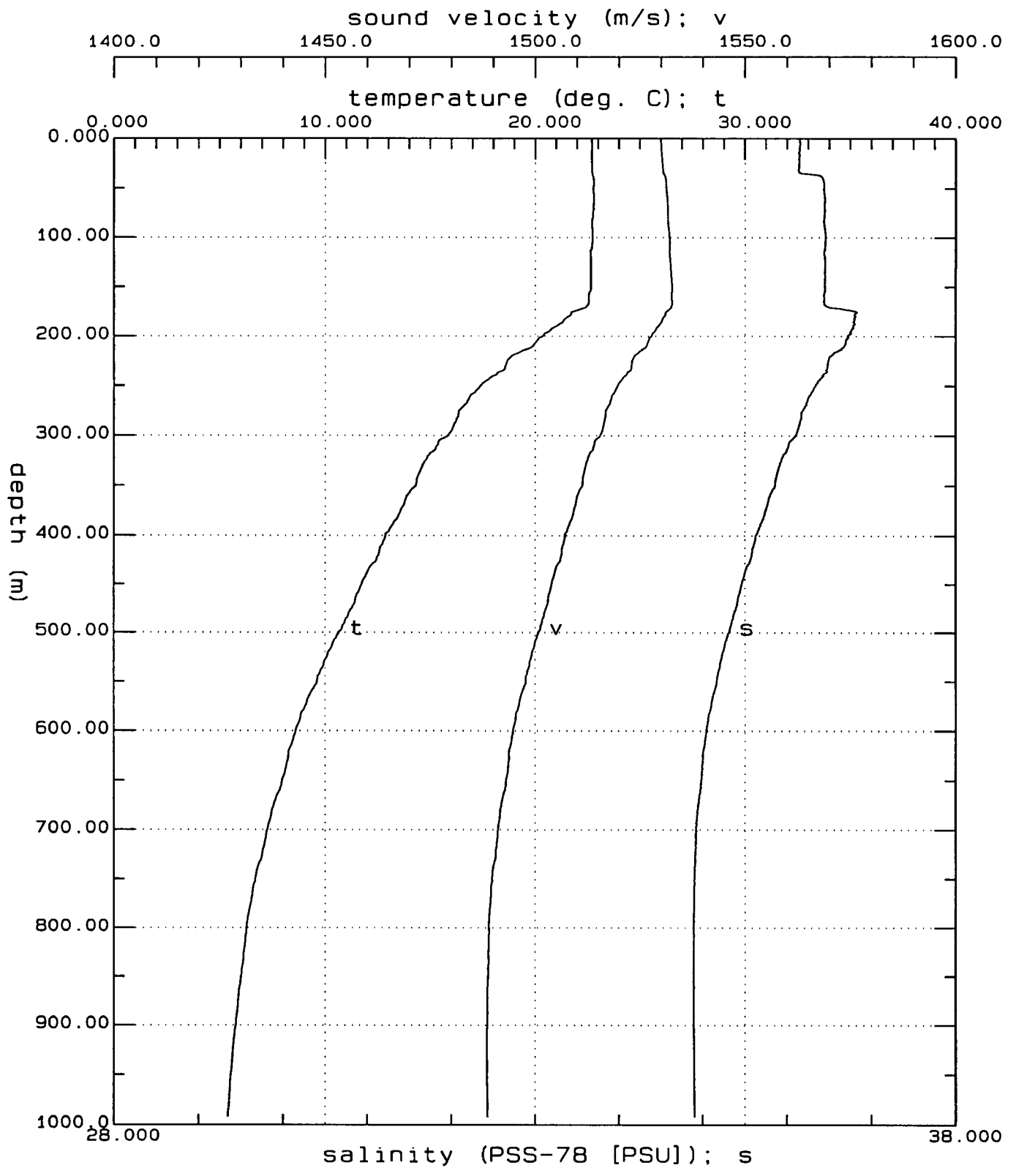




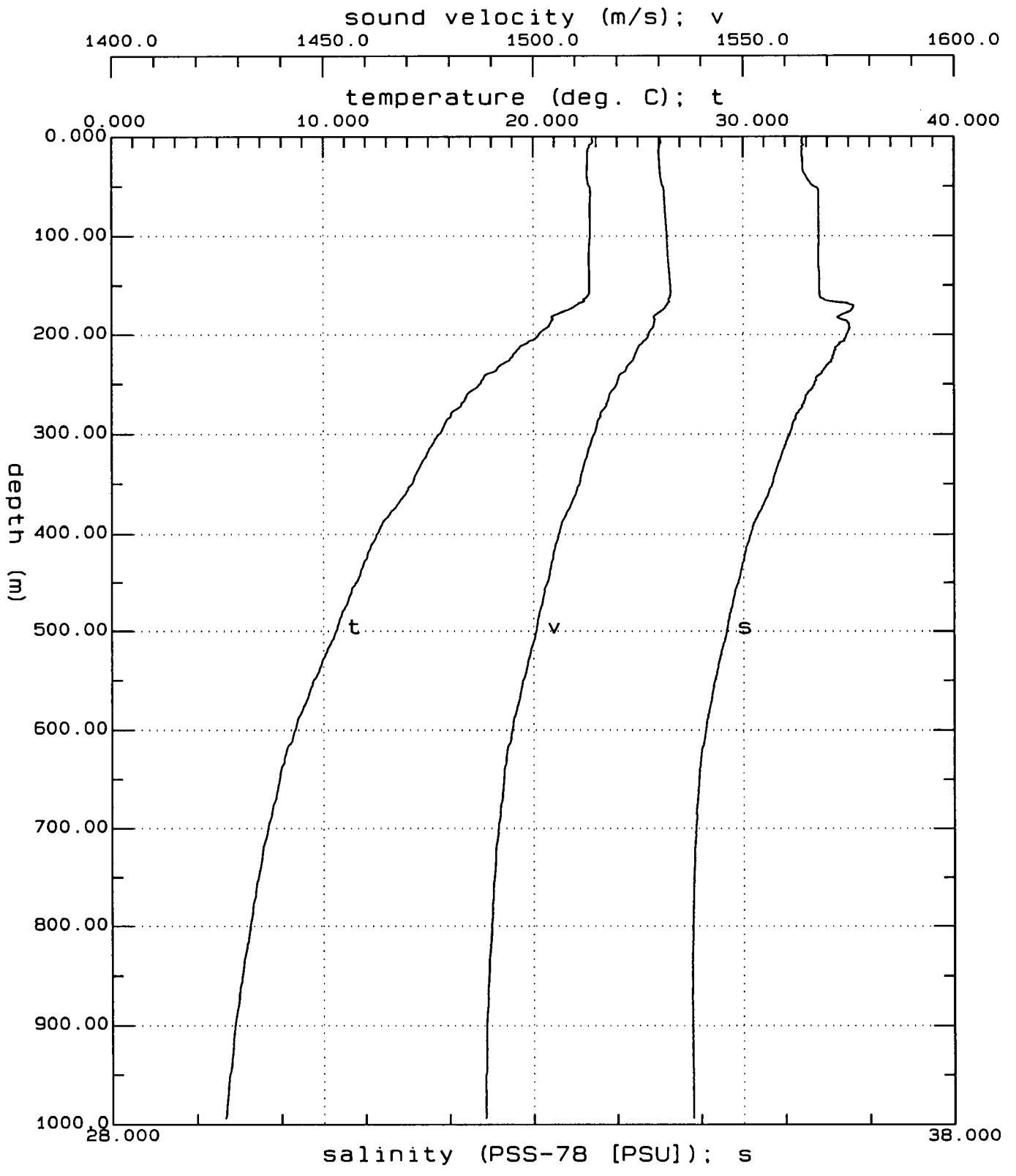
03-021.CNV: Gulfcet Cruise 04



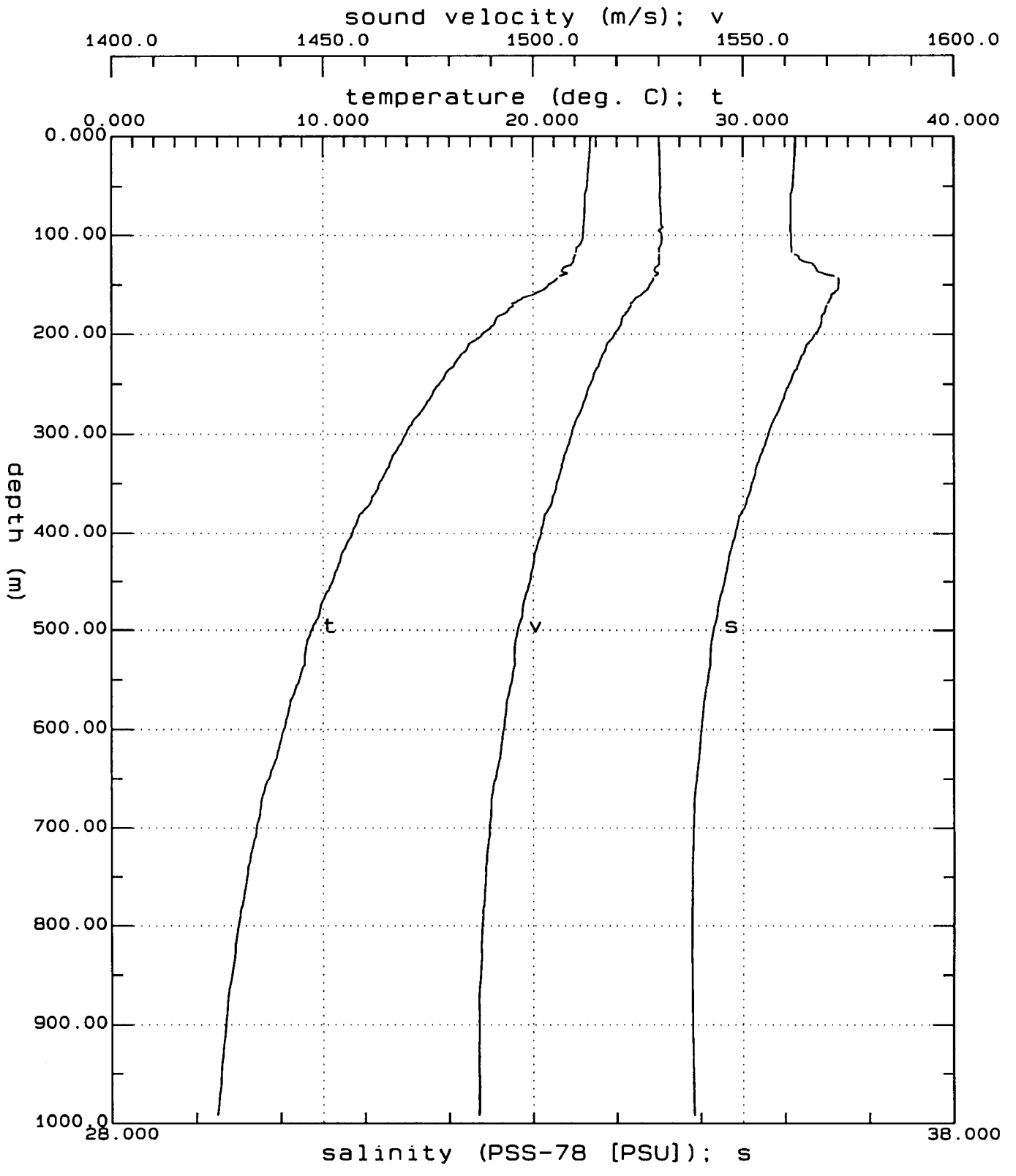
03-026.CNV: Gulfcet Cruise 04



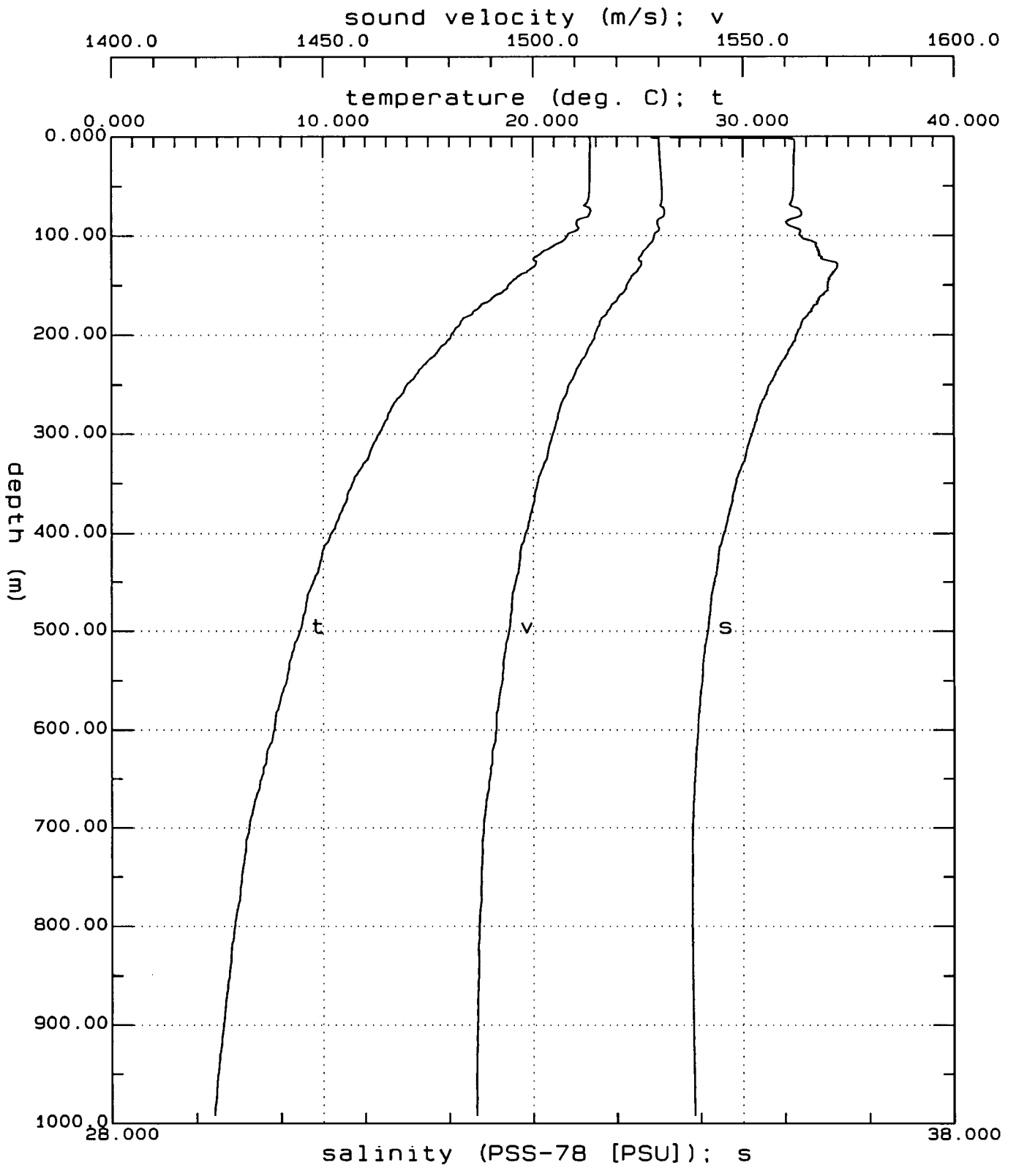
03-029.CNV: Gulfcet Cruise 04



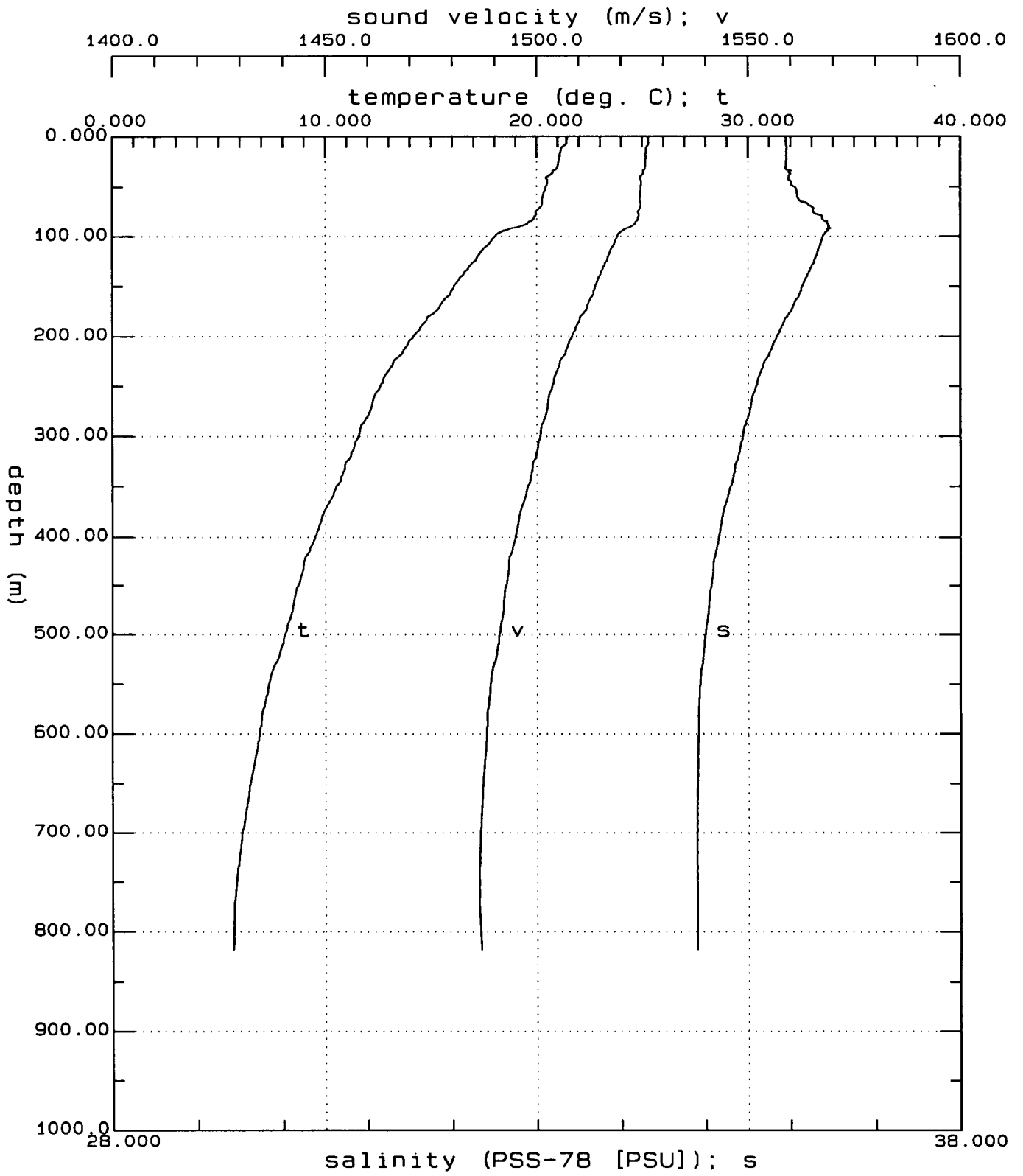
03-030.CNV: Gulfcet Cruise 04



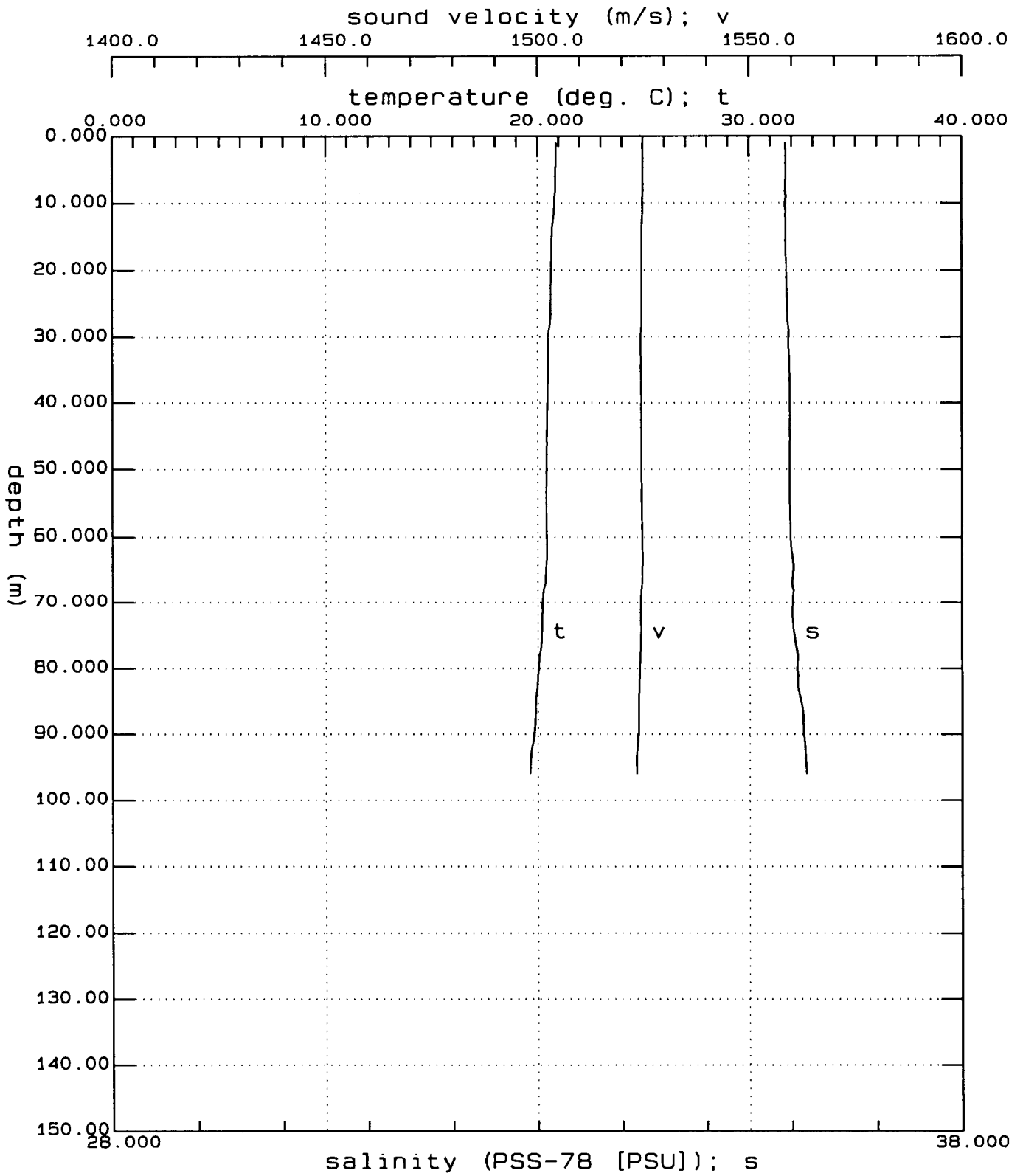
04-031.CNV: Gulfcet Cruise 04



04-033.CNV: Gulfcet Cruise 04

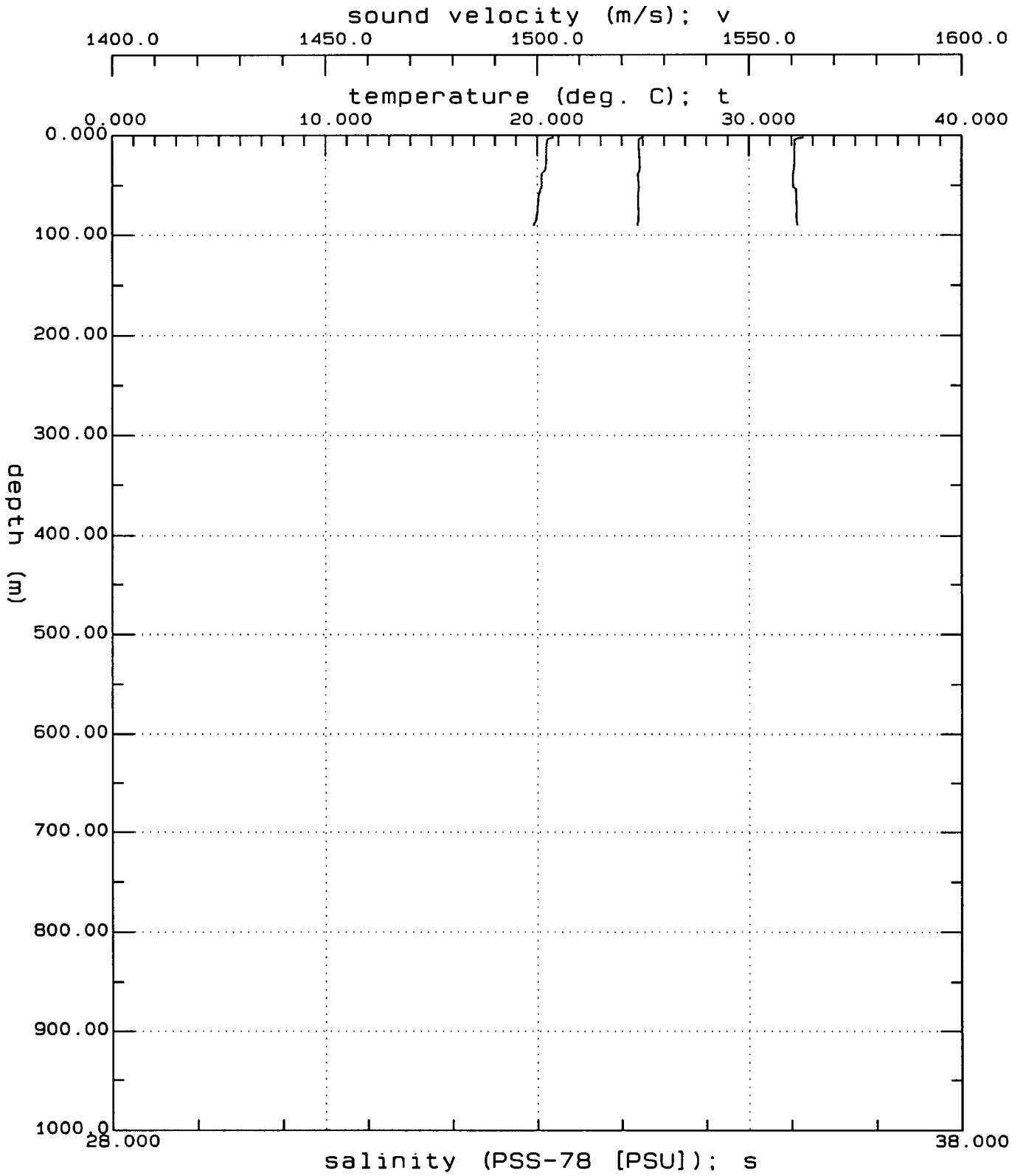


04-036.CNV: Gulfcet Cruise 04

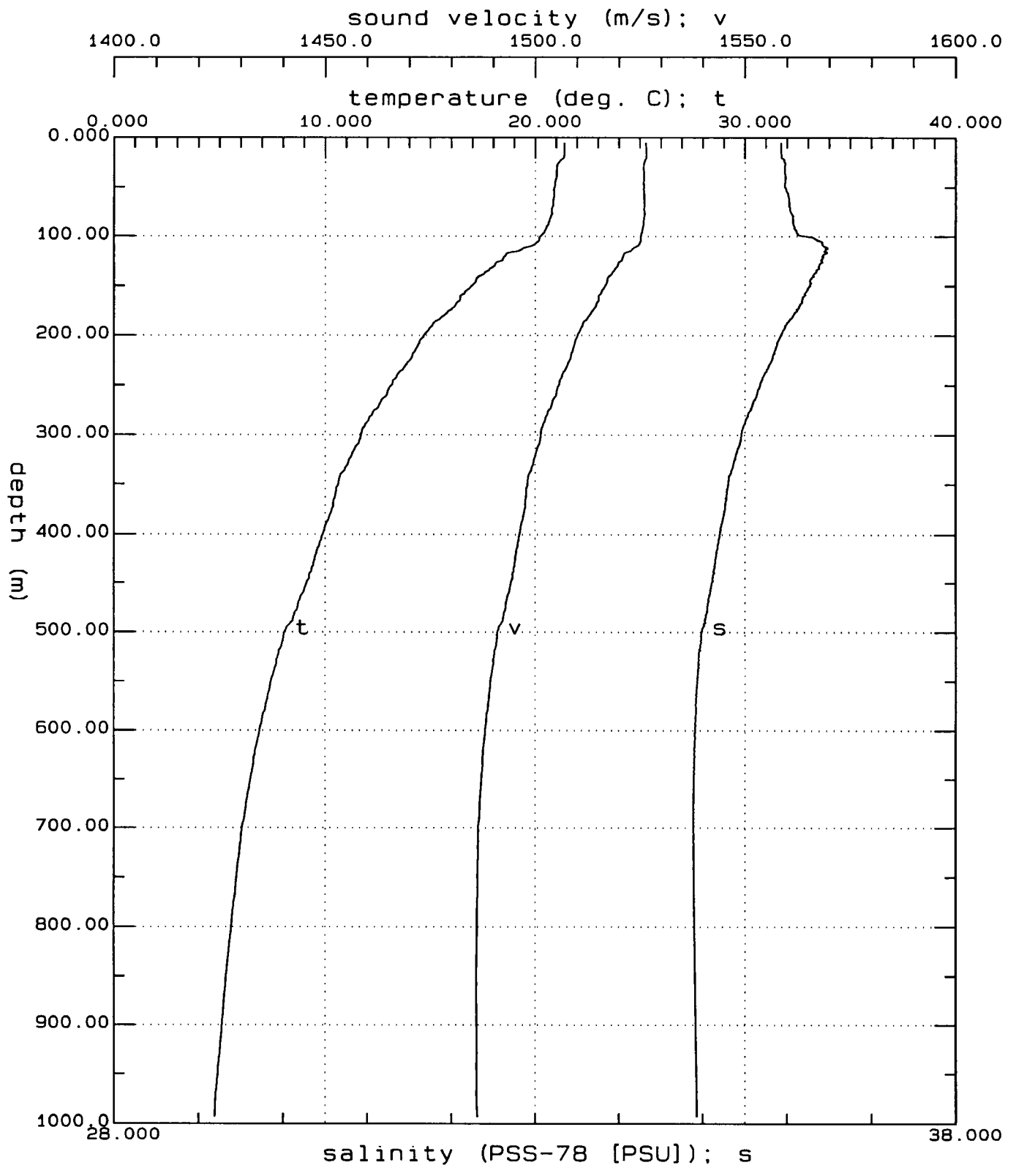


04-042.CNV: Gulfcet Cruise 04

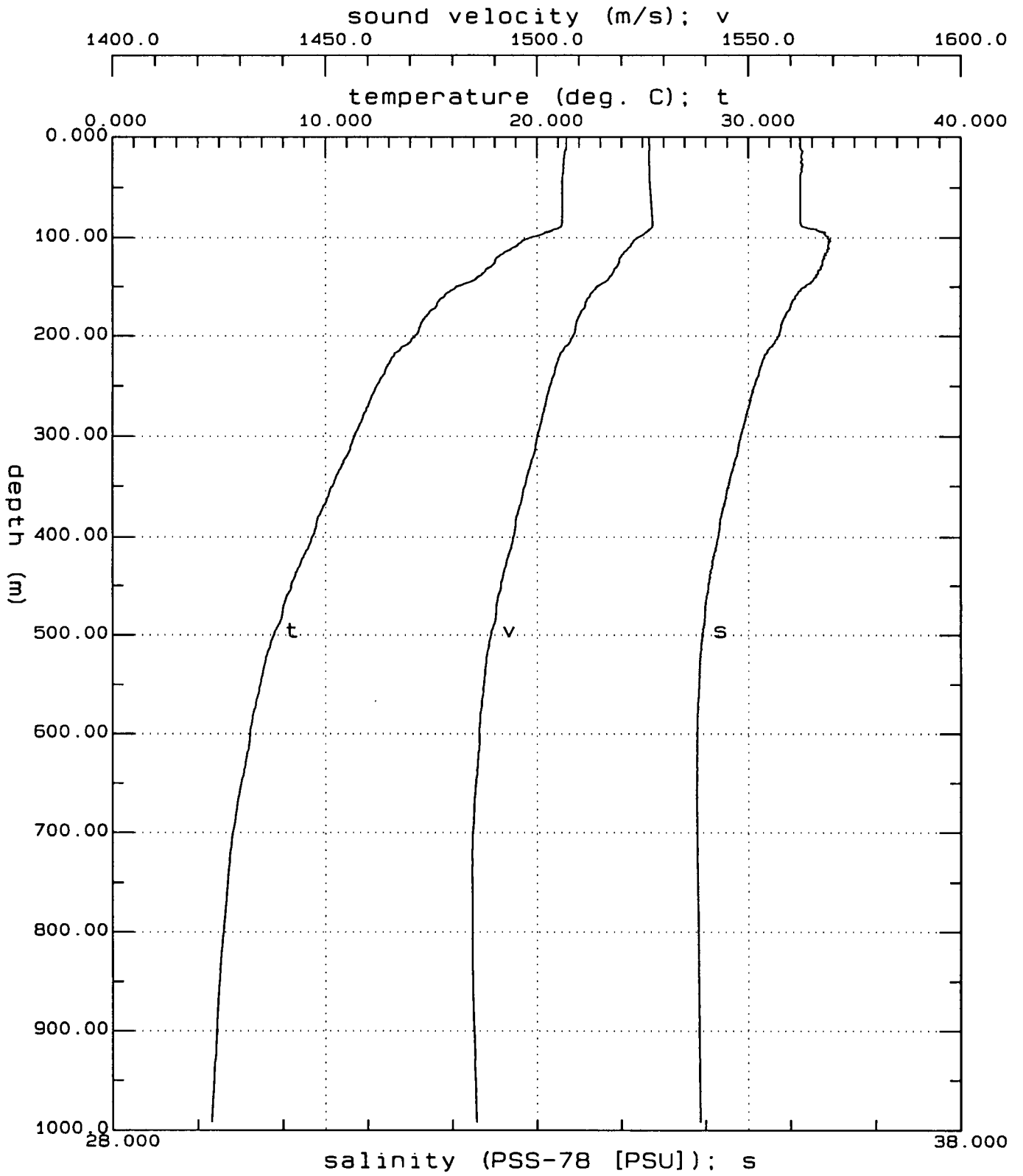




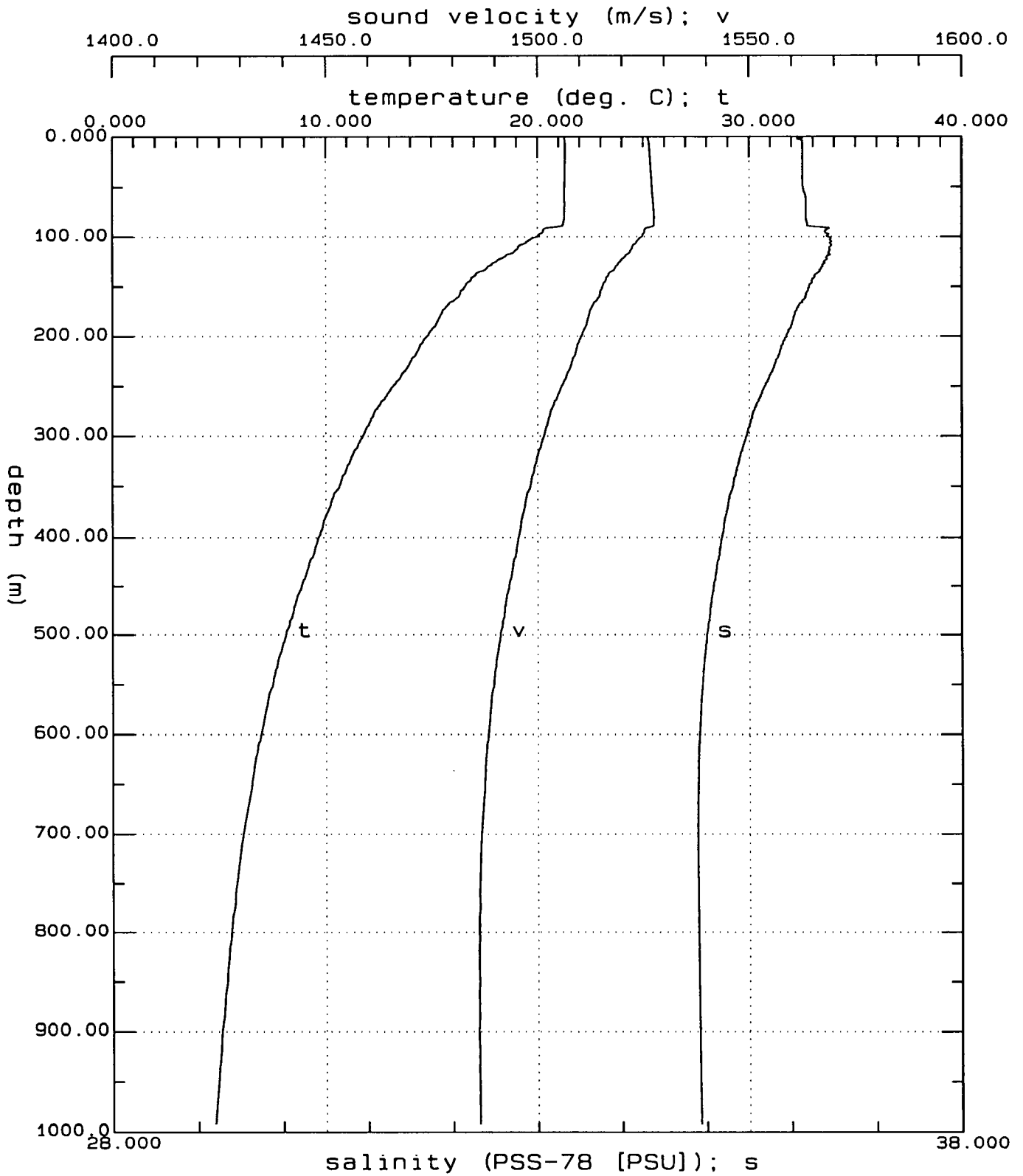
05-047.CNV: Gulfcet Cruise 04



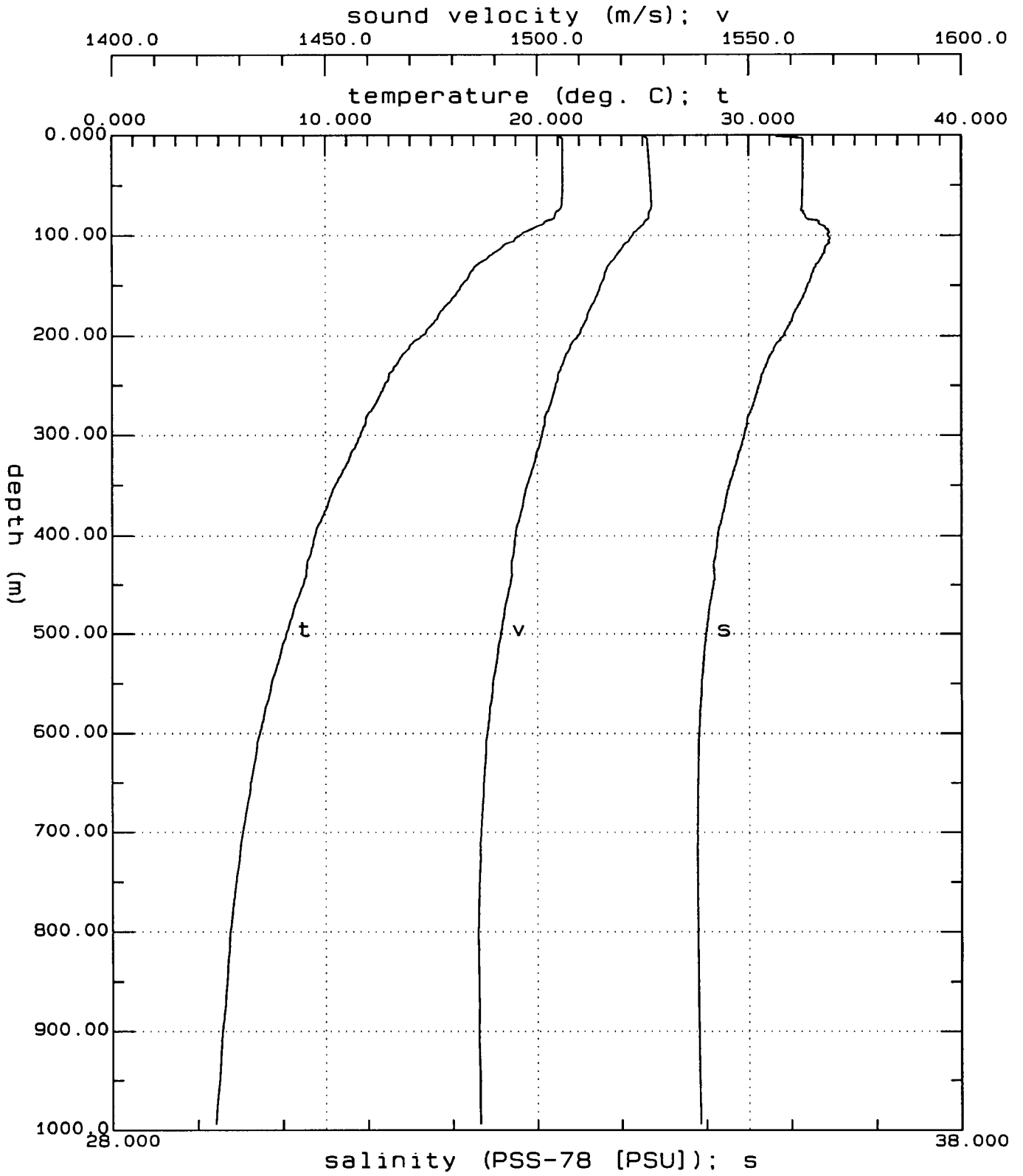
05-050.CNV: Gulfcet Cruise 04



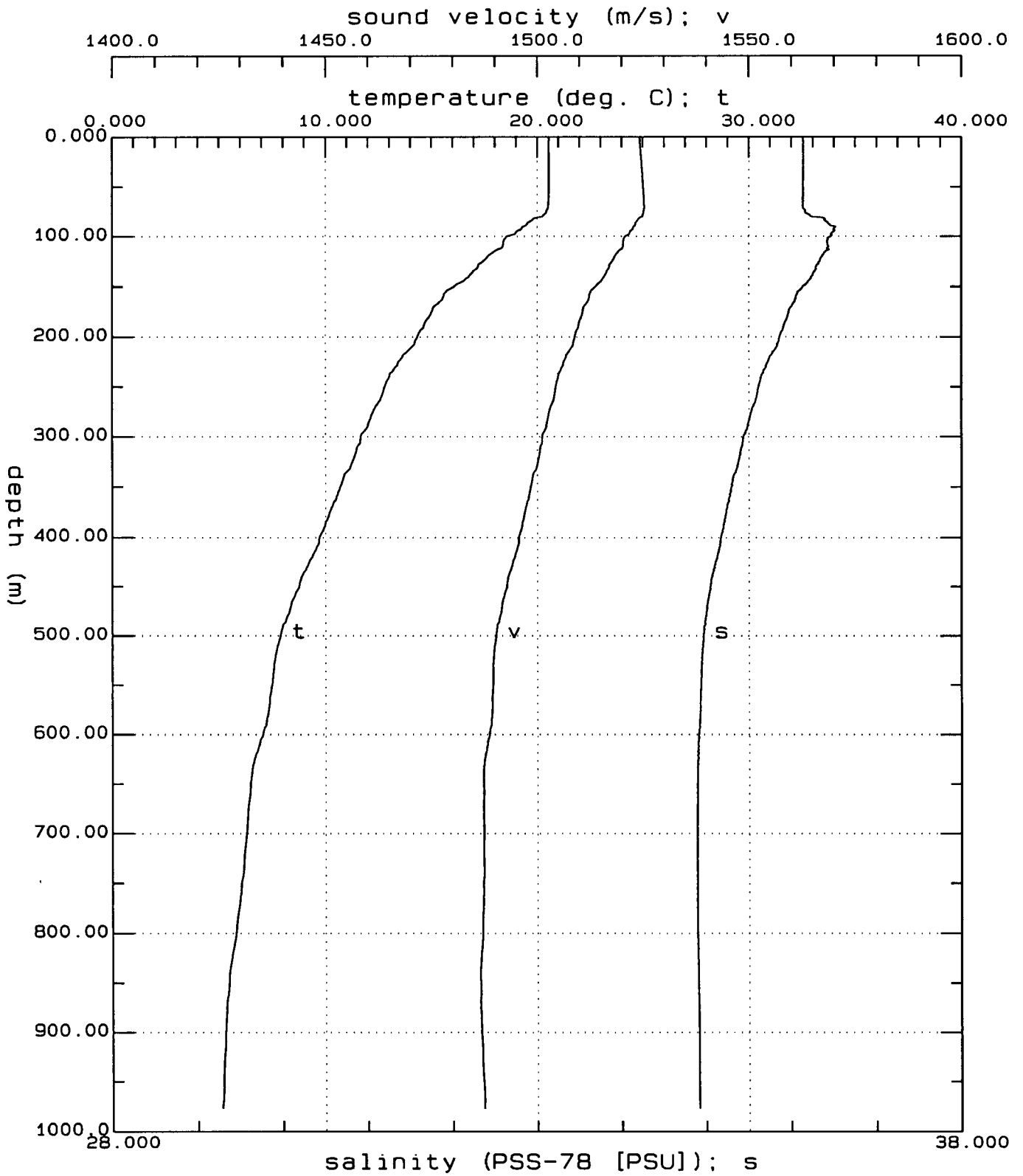
05-053.CNV: Gulfcet Cruise 04



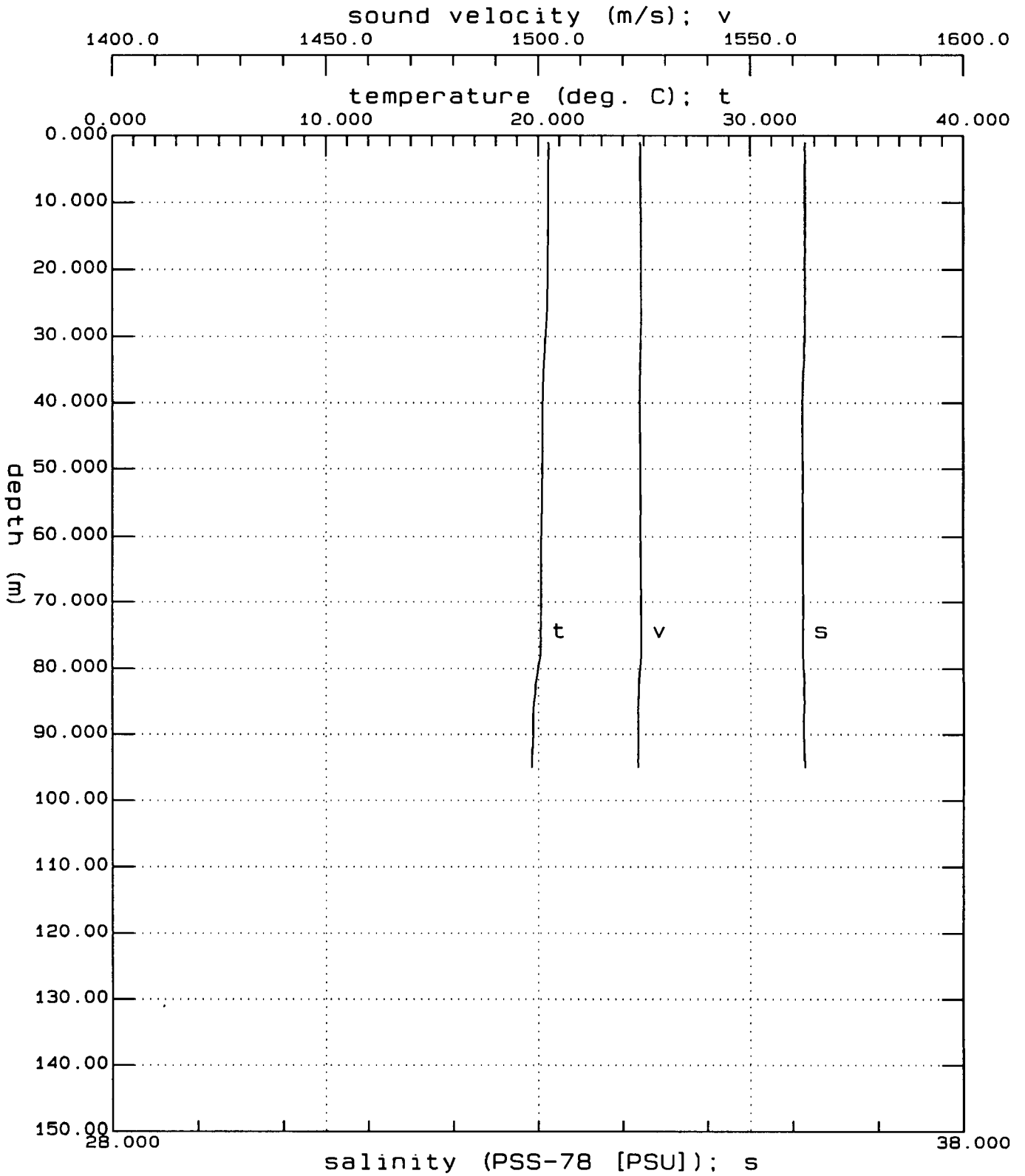
06-054.CNV: Gulfcet Cruise 04



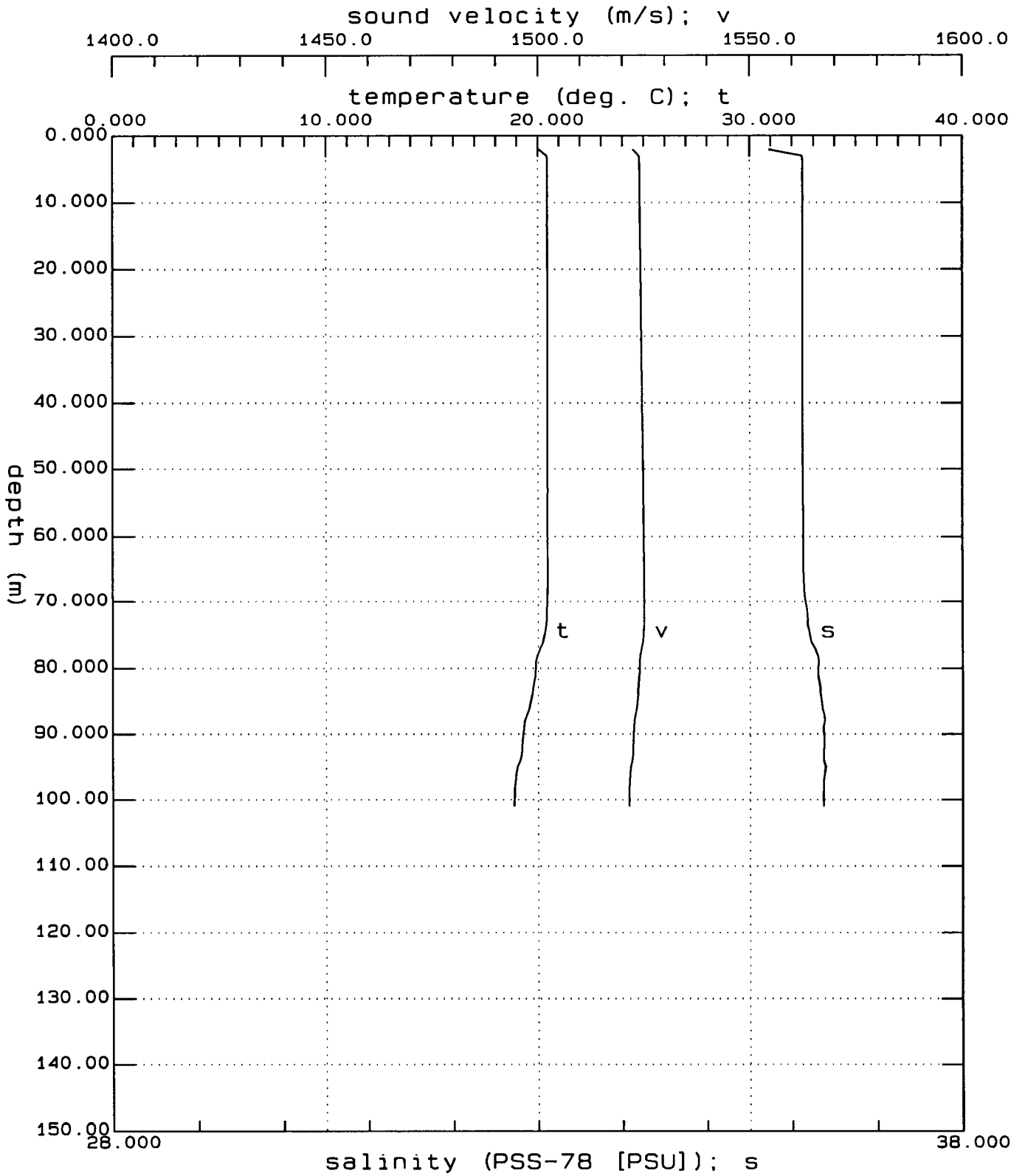
06-055.CNV: Gulfcet Cruise 04



06-059.CNV: Gulfcet Cruise 04

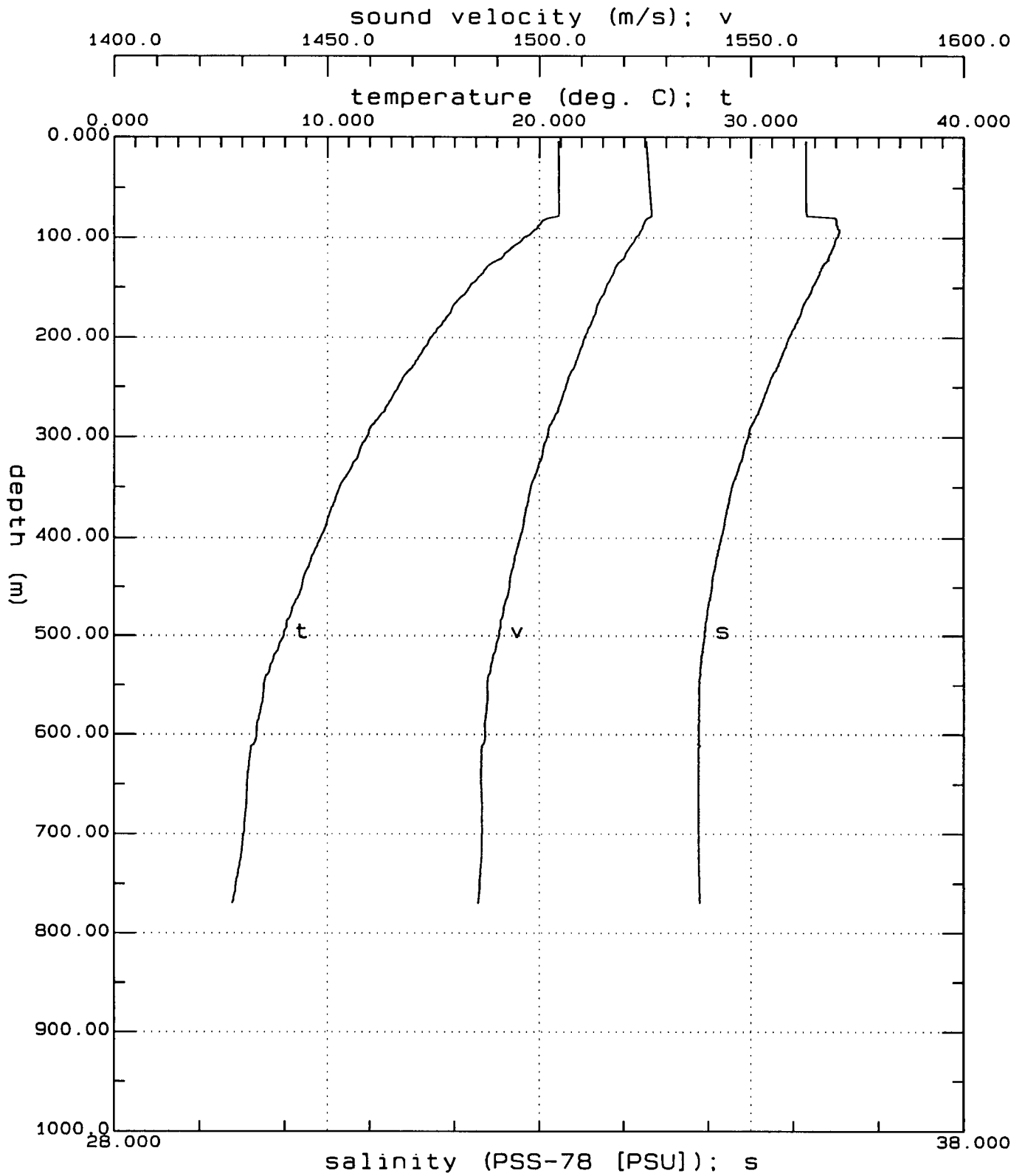


06-064.CNV: Gulfcet Cruise 04

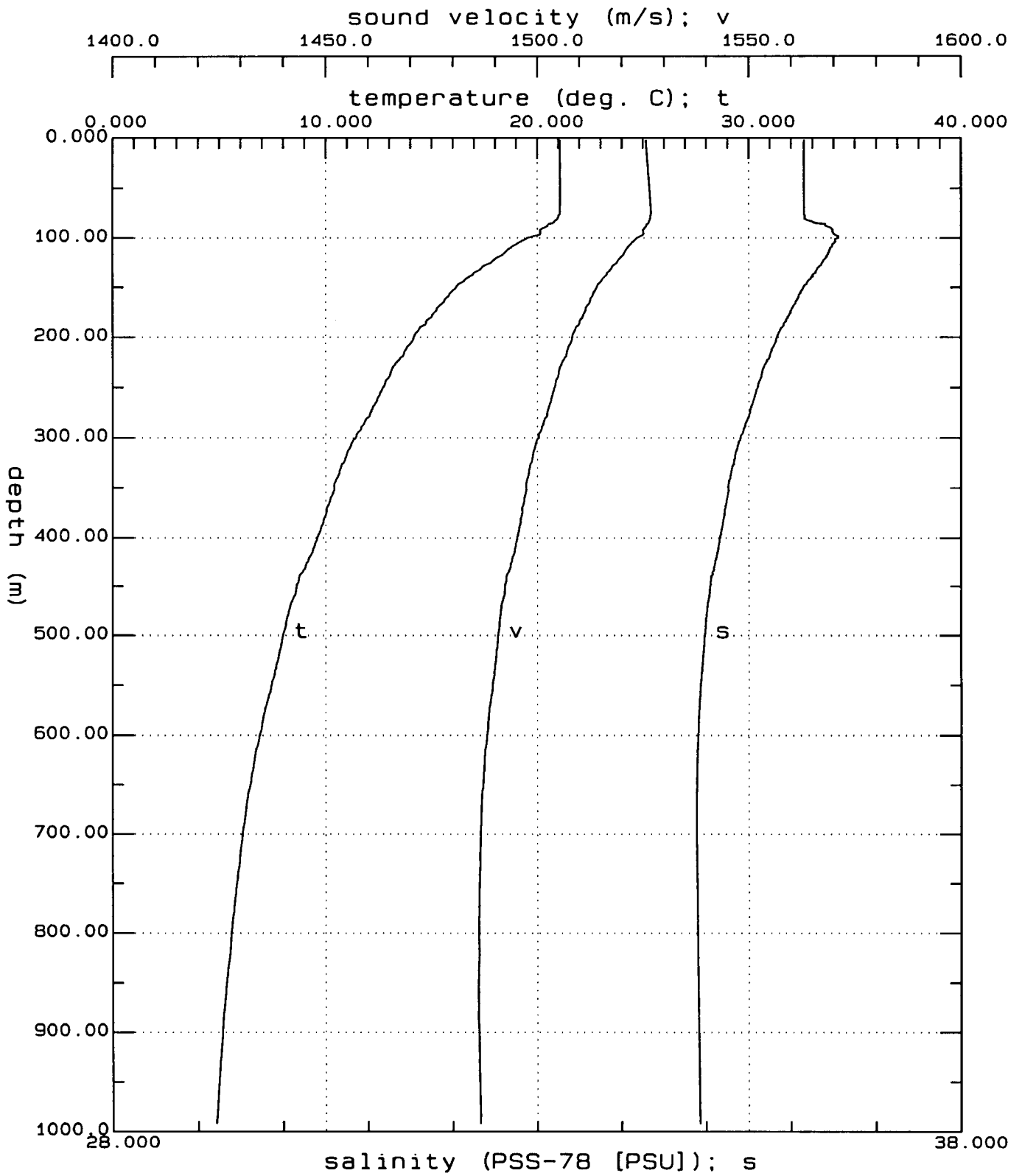


07-065.CNV: Gulfcet Cruise 04

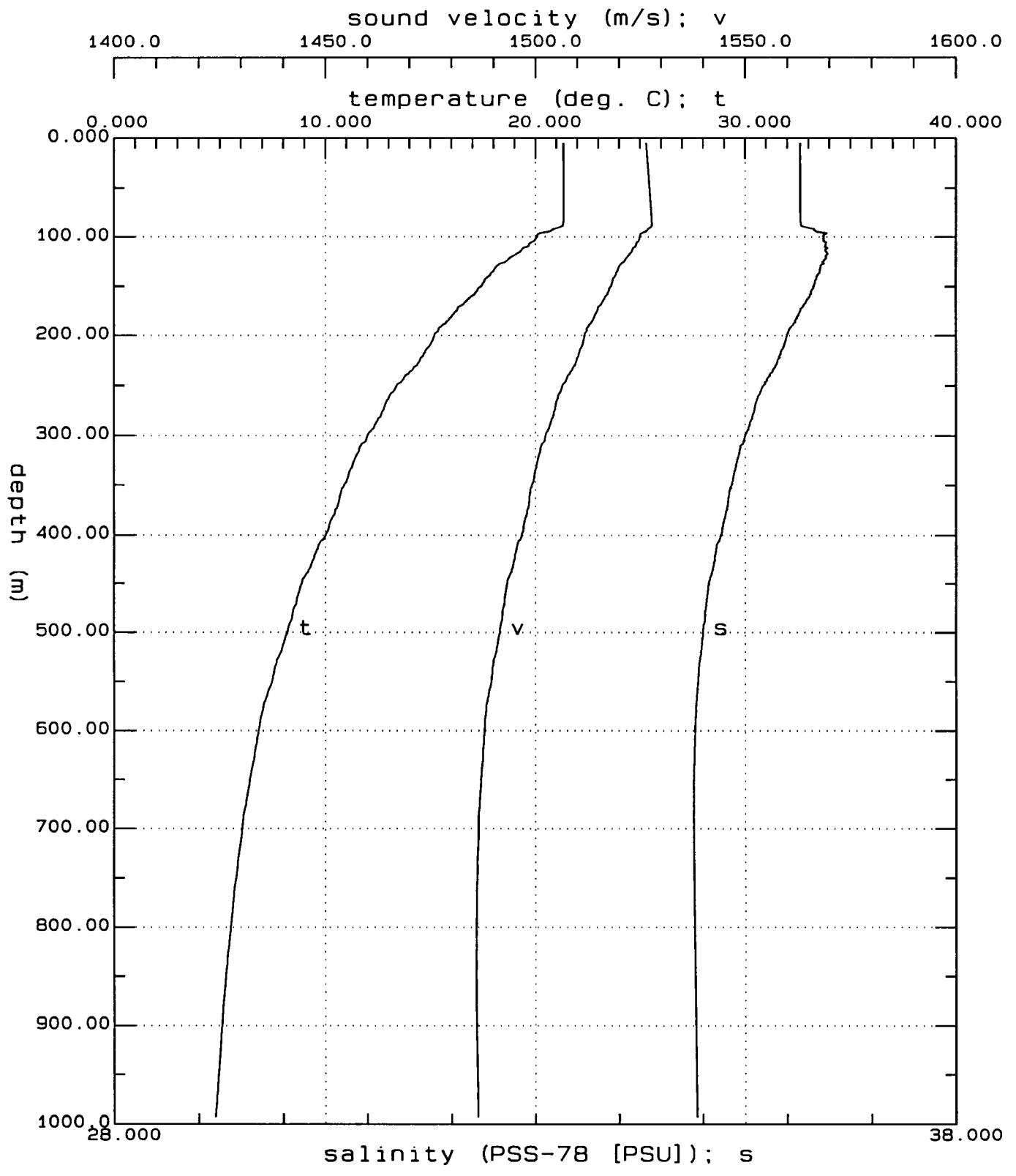




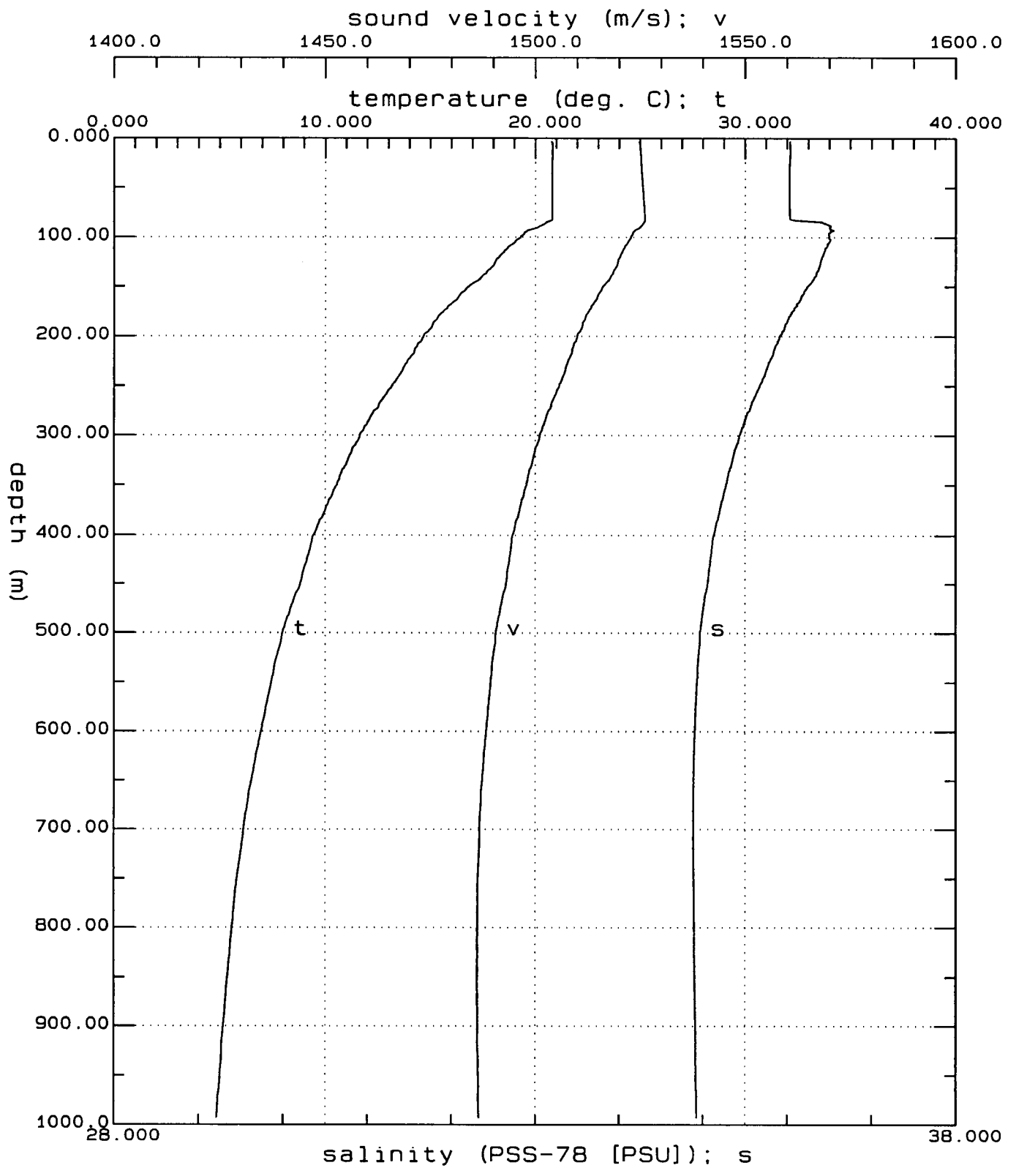
07-071.CNV: Gulfcet Cruise 04



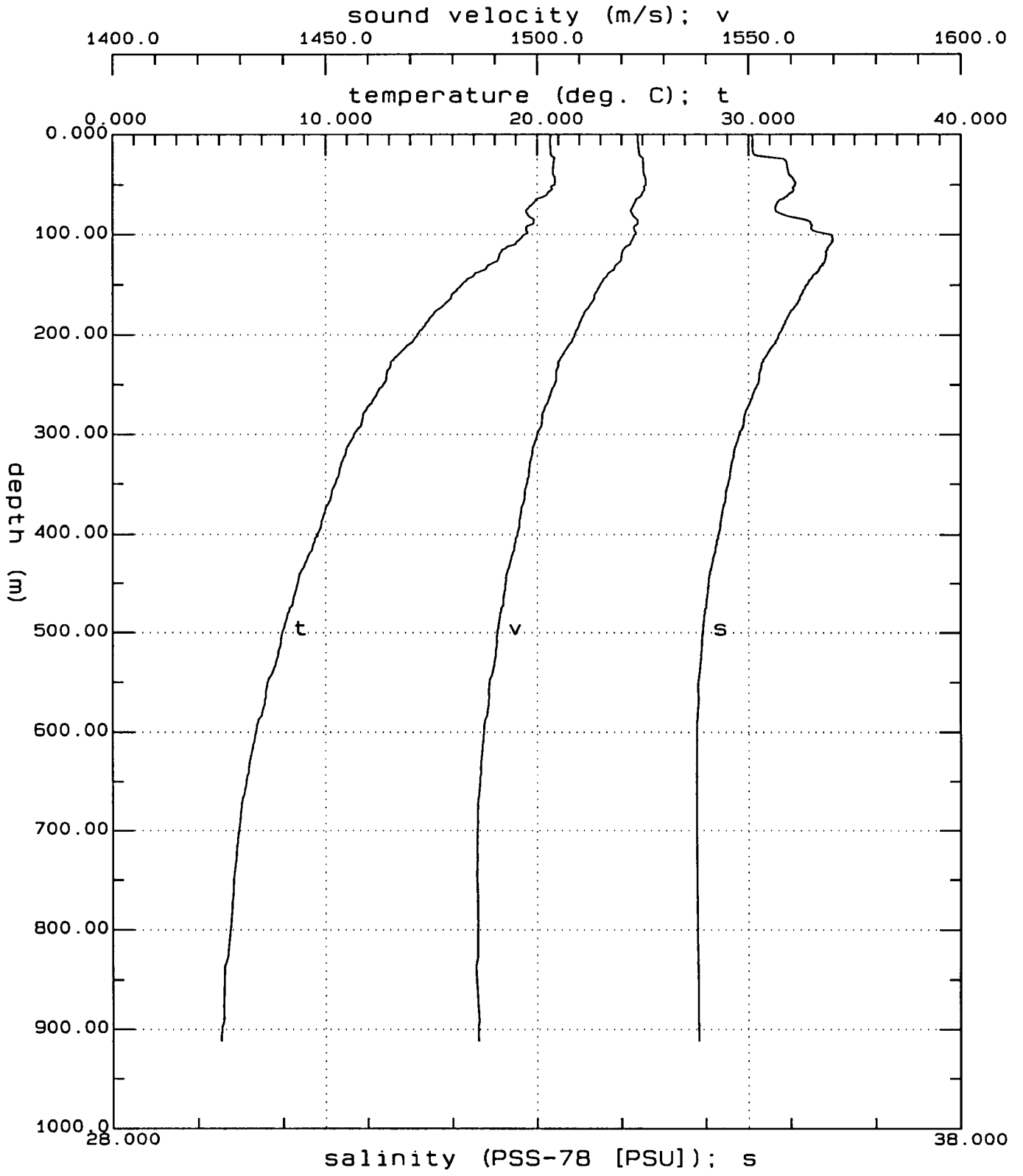
07-073.CNV: Gulfcet Cruise 04



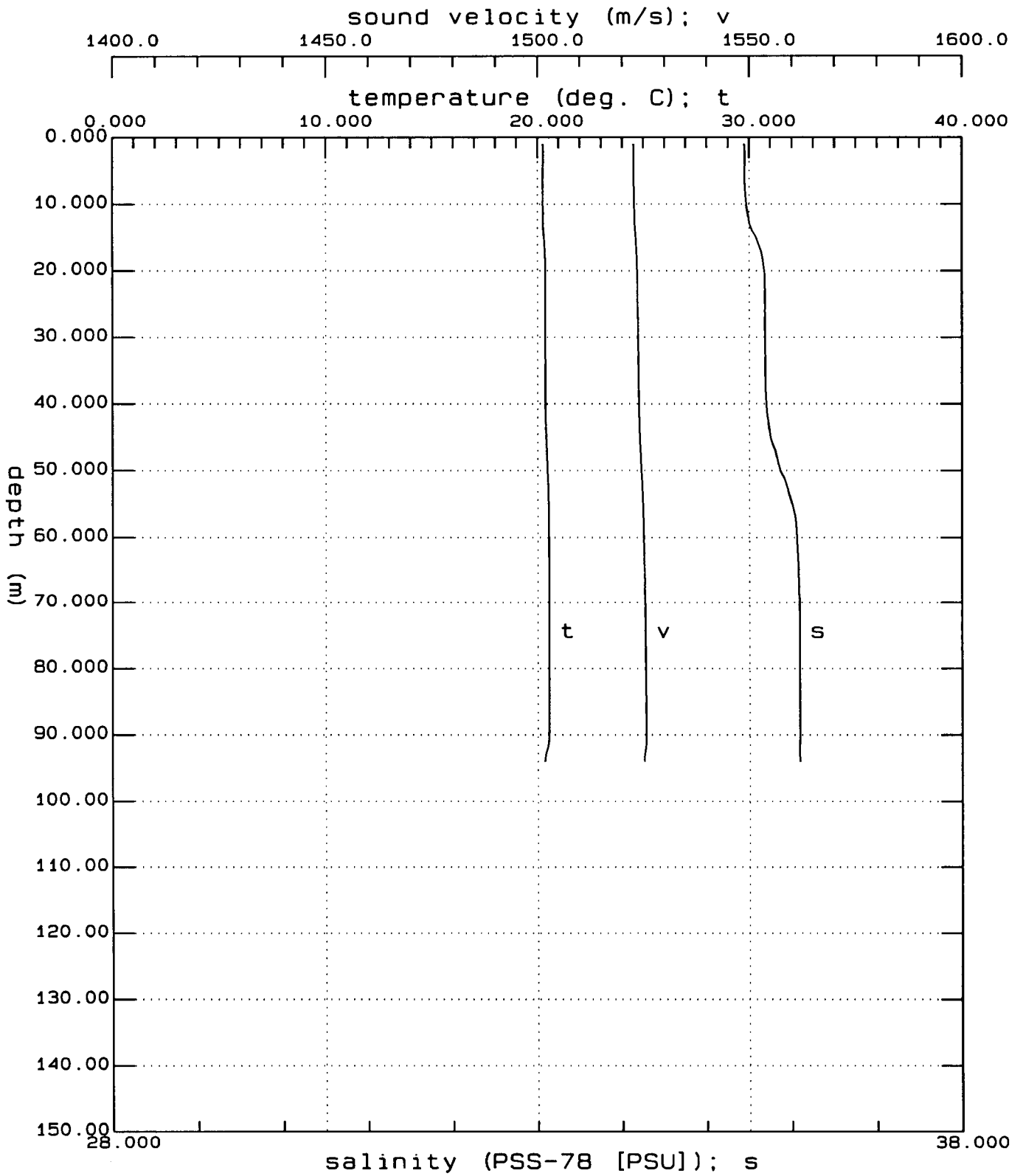
07-075.CNV: Gulfcet Cruise 04



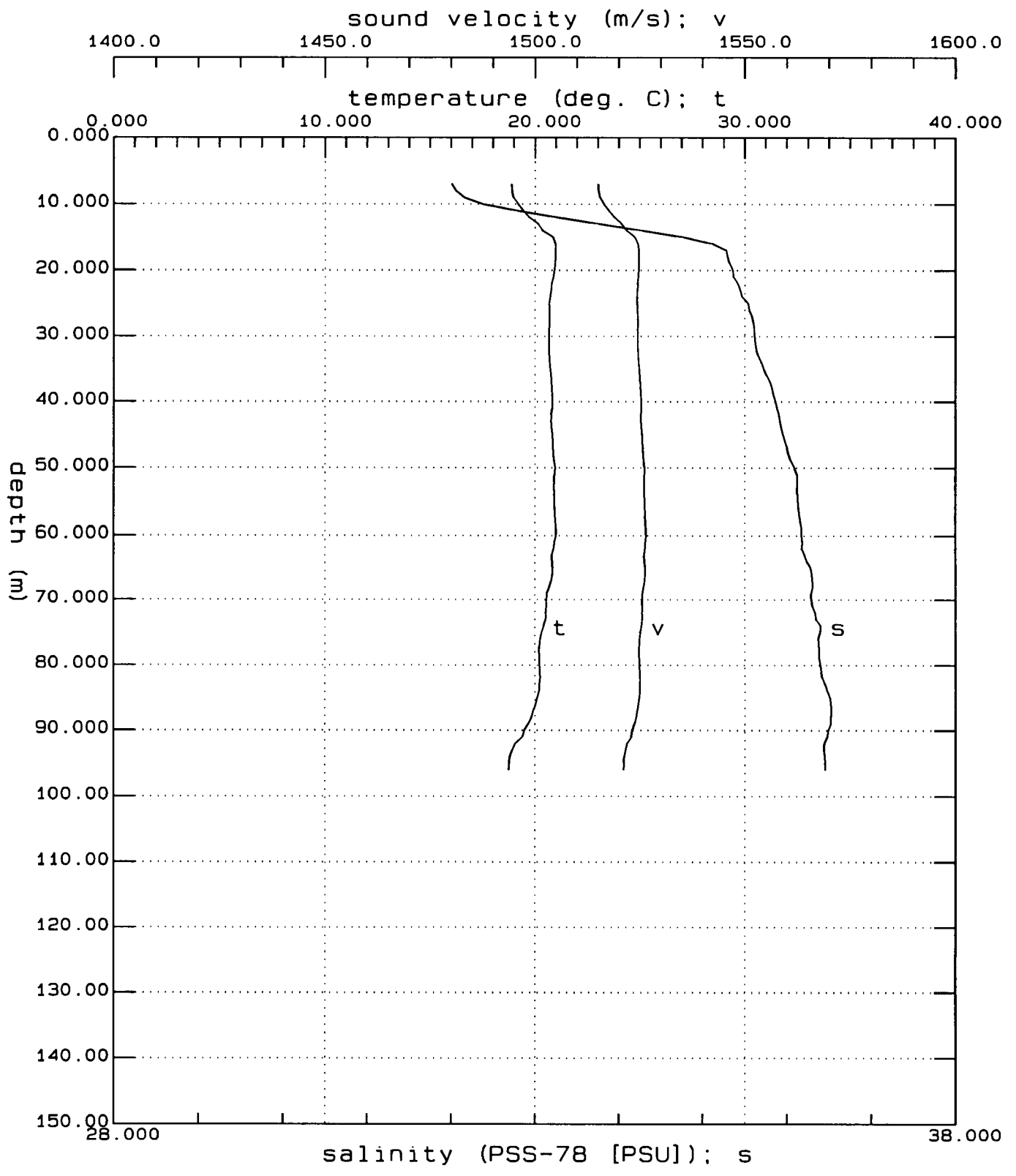
08-076.CNV: Gulfcet Cruise 04



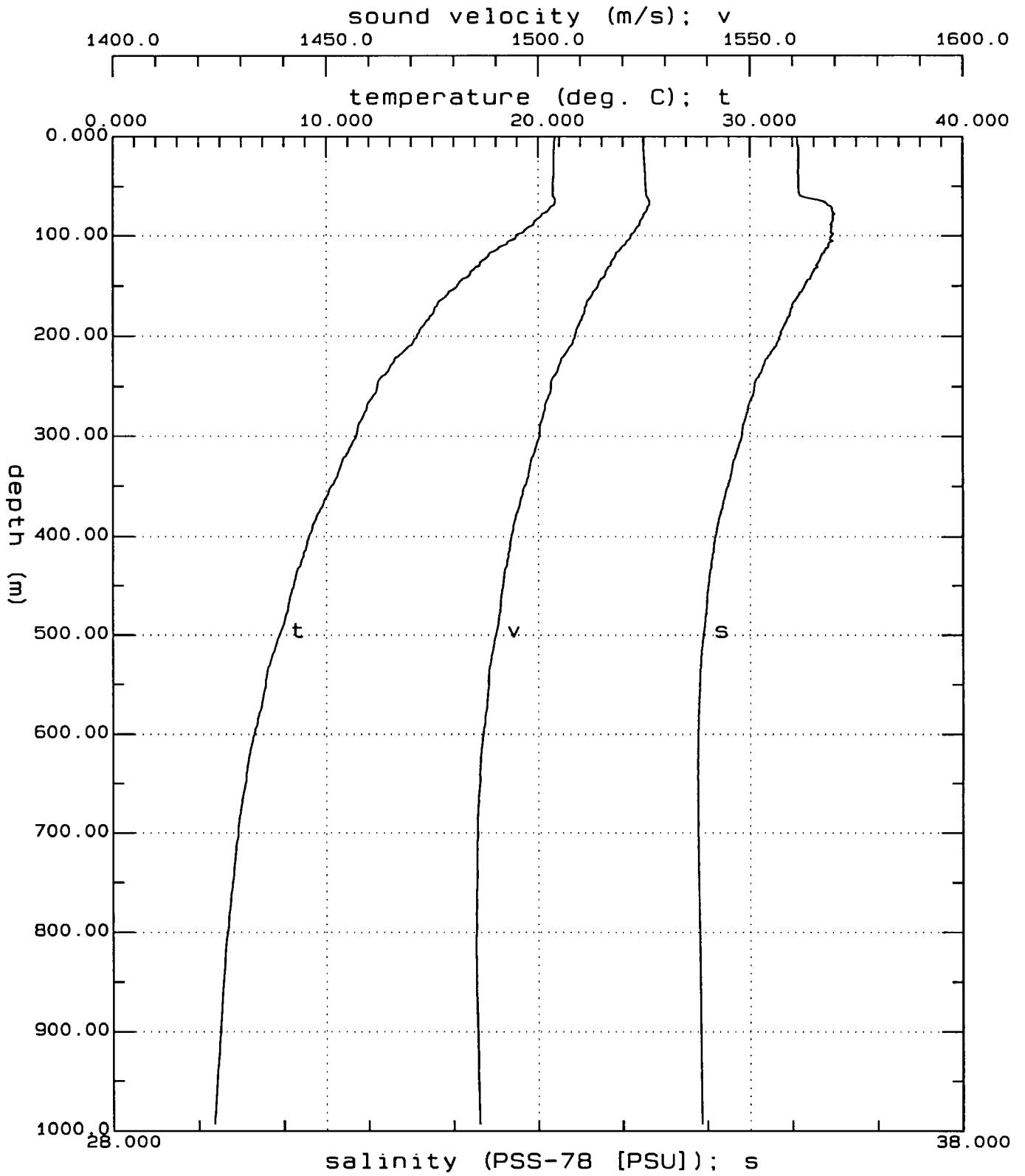
08-080.CNV: Gulfcet Cruise 04



08-086.CNV: Gulfcet Cruise 04

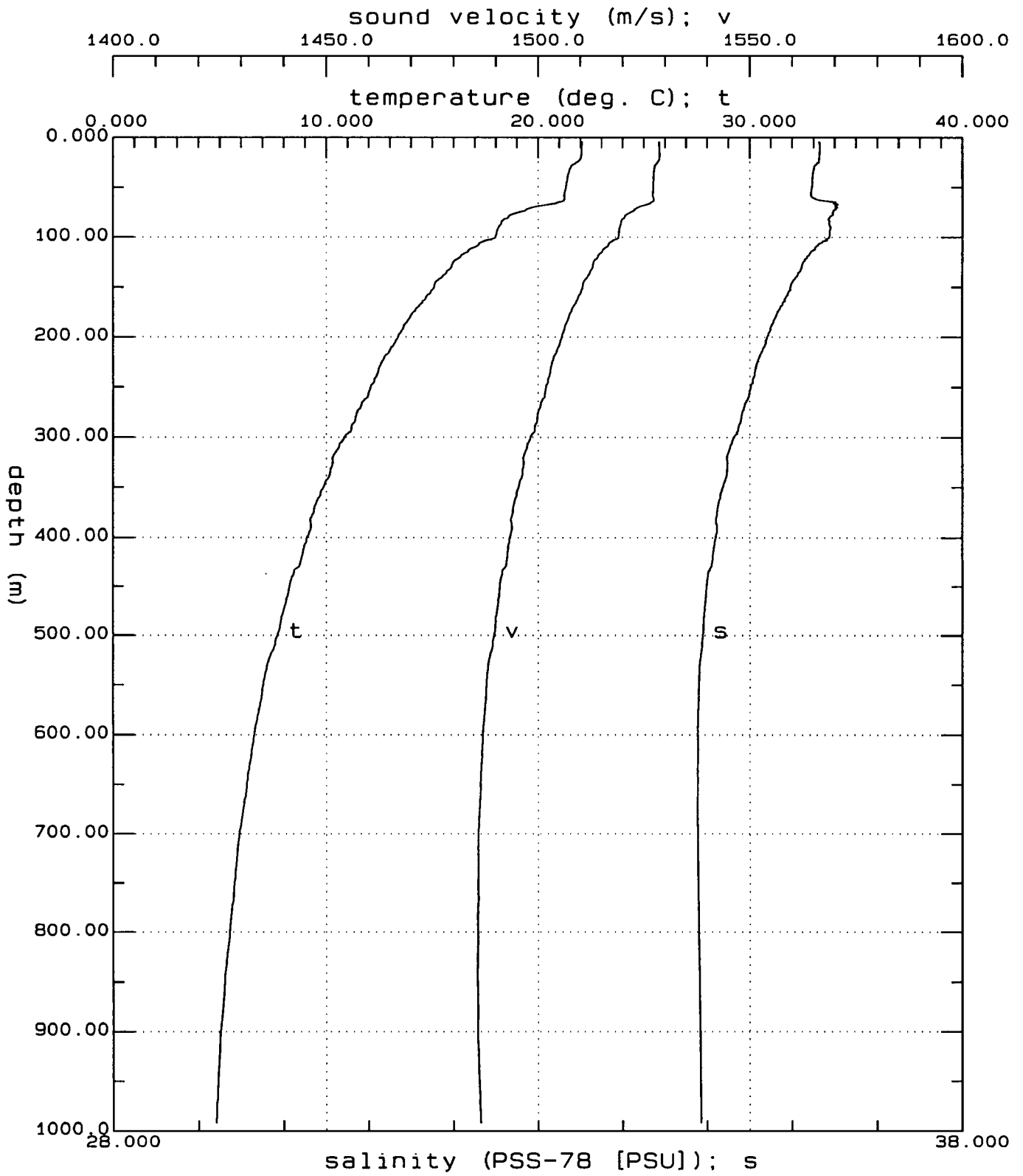


09-087.CNV: Gulfcet Cruise 04

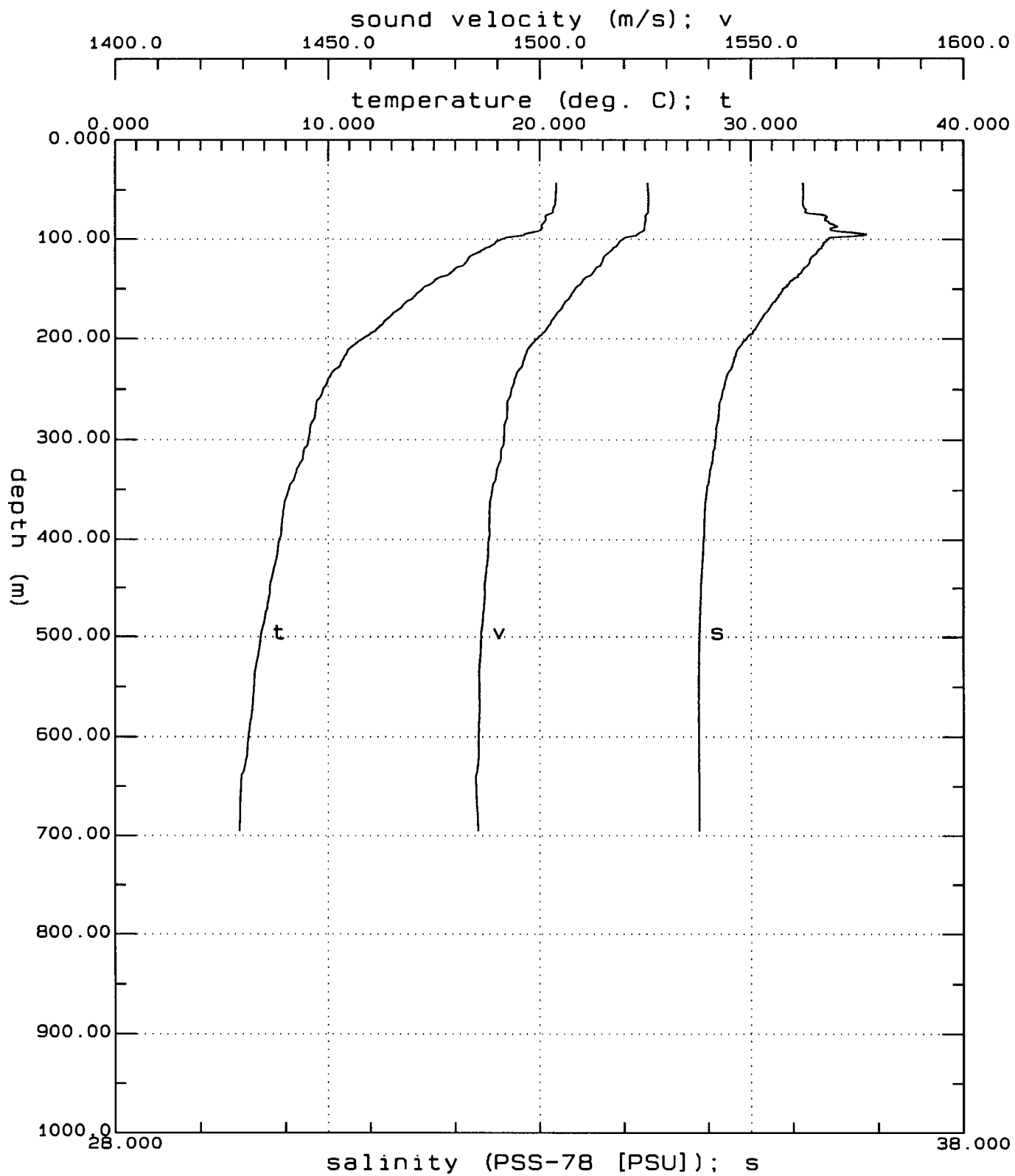


09-096.CNV: Gulfcet Cruise 04

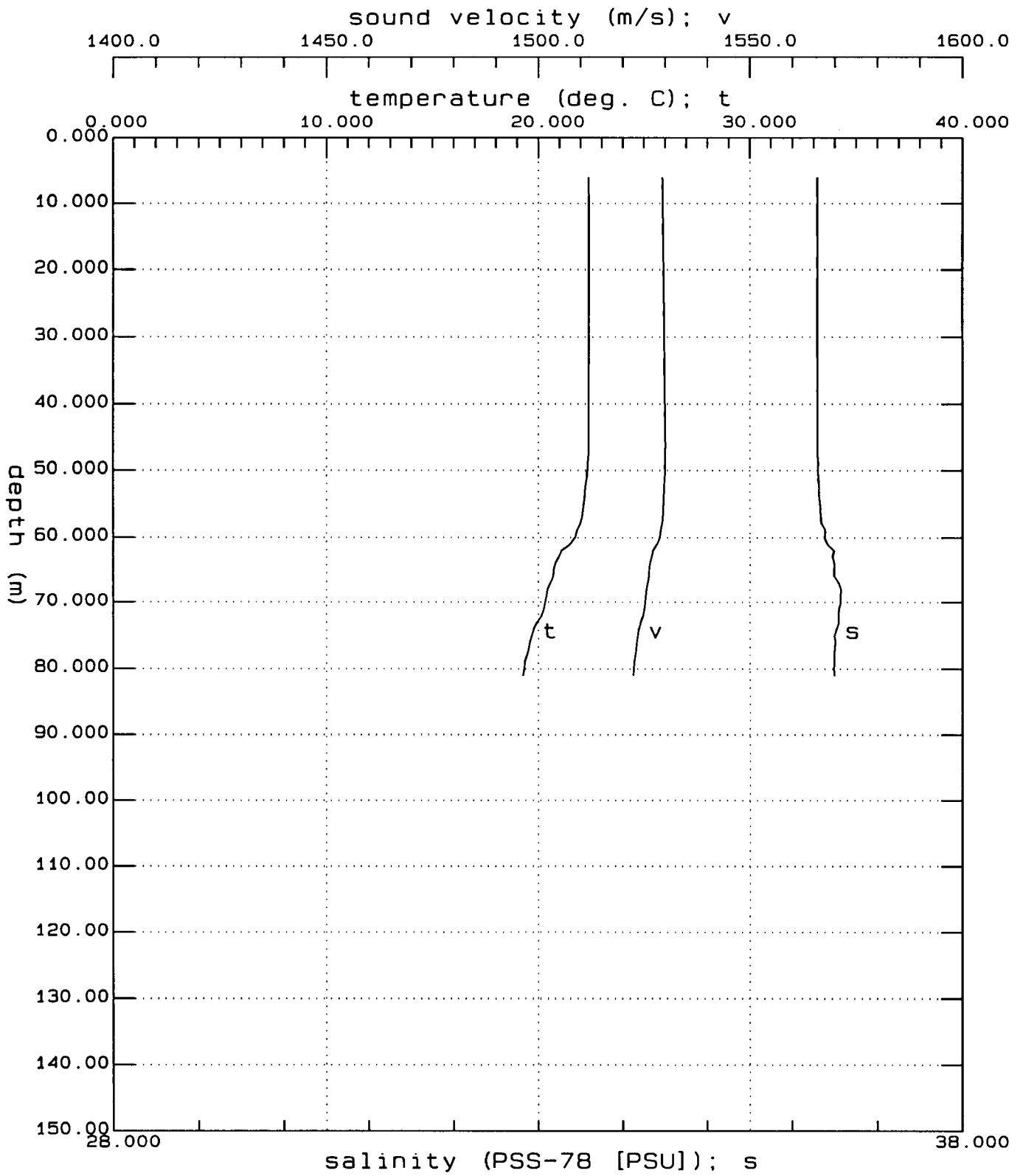




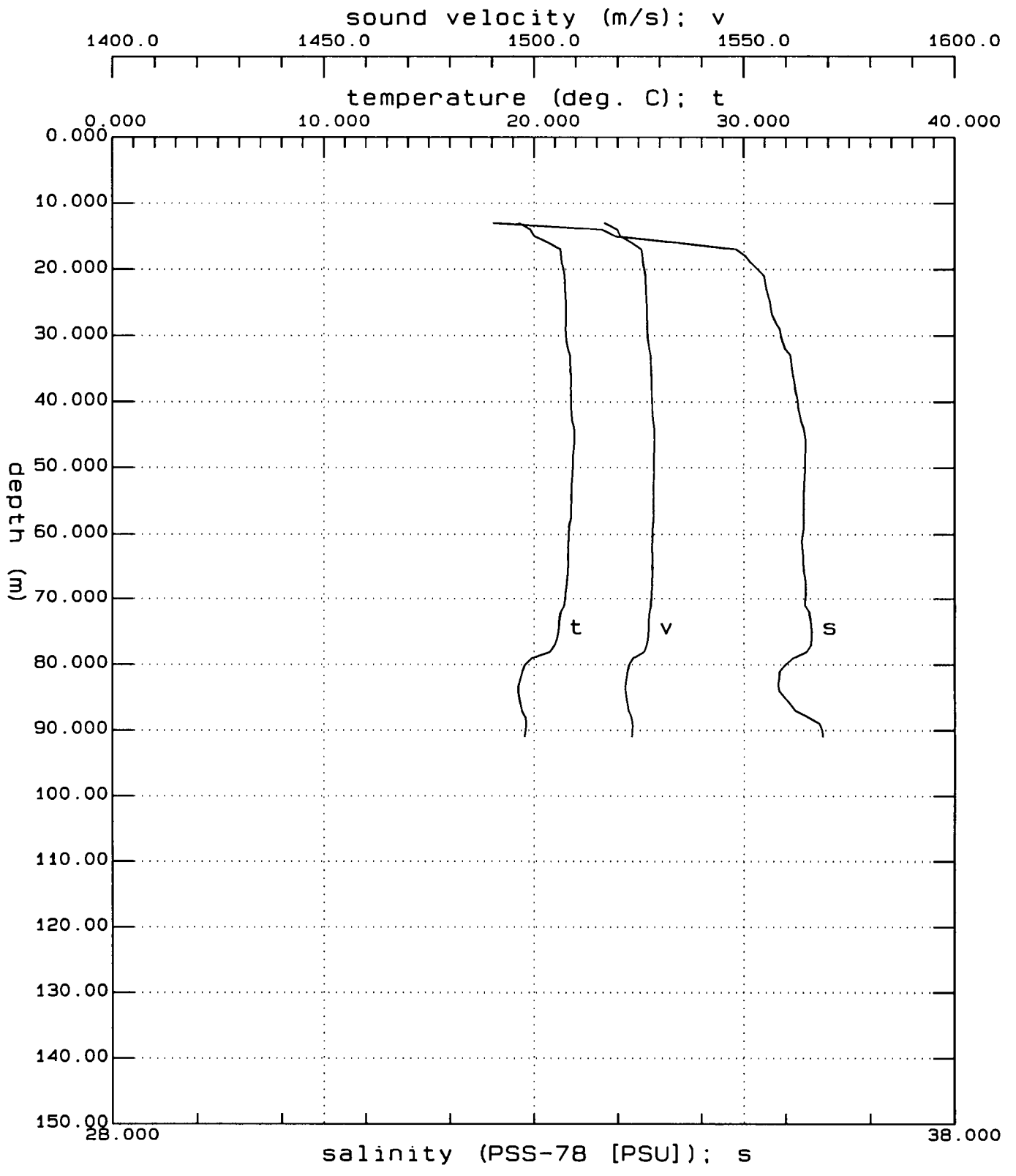
10-097.CNV: Gulfcet Cruise 04



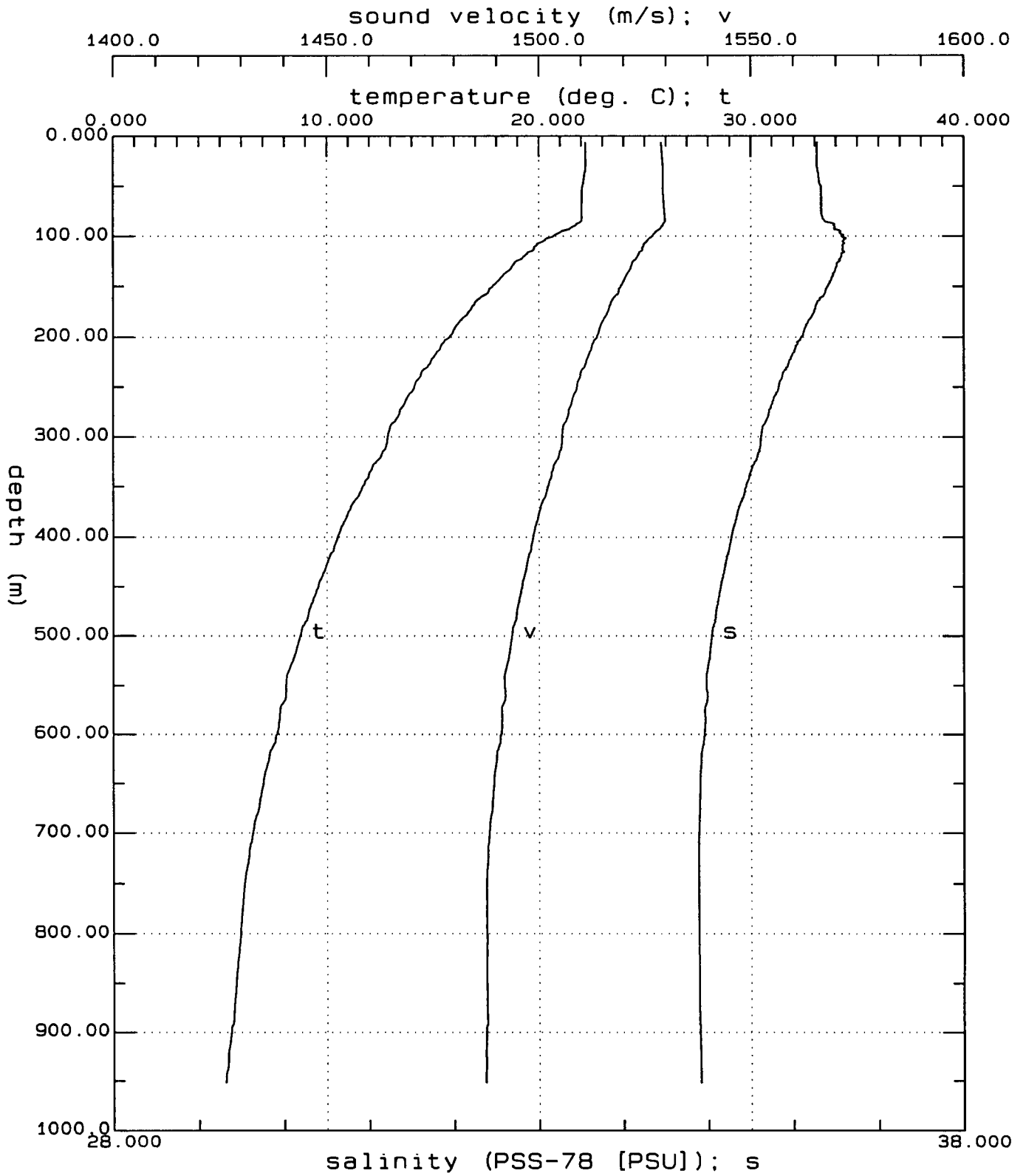
10-100.CNV: Gulfcet Cruise 04



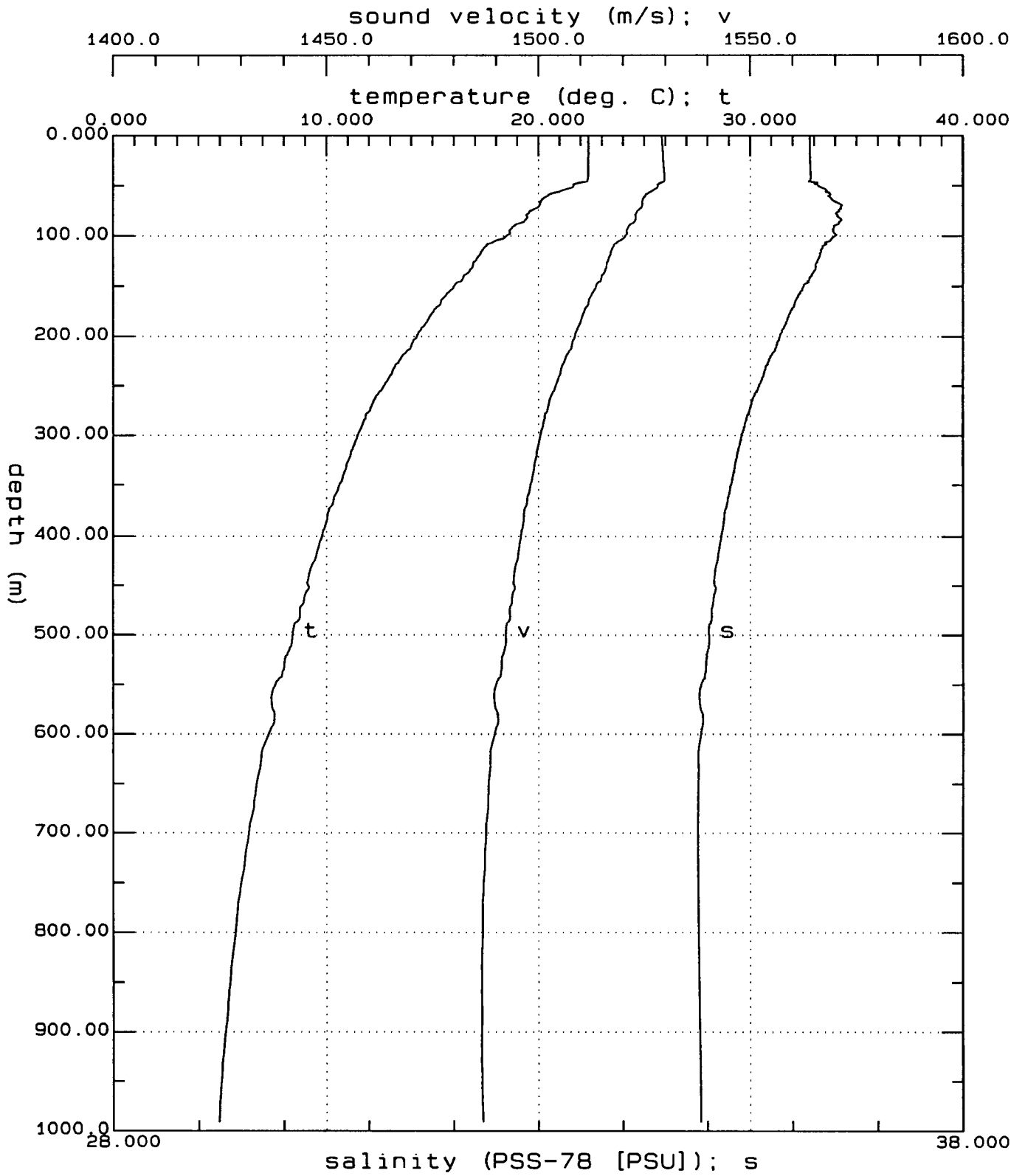
10-105.CNV: Gulfcet Cruise 04



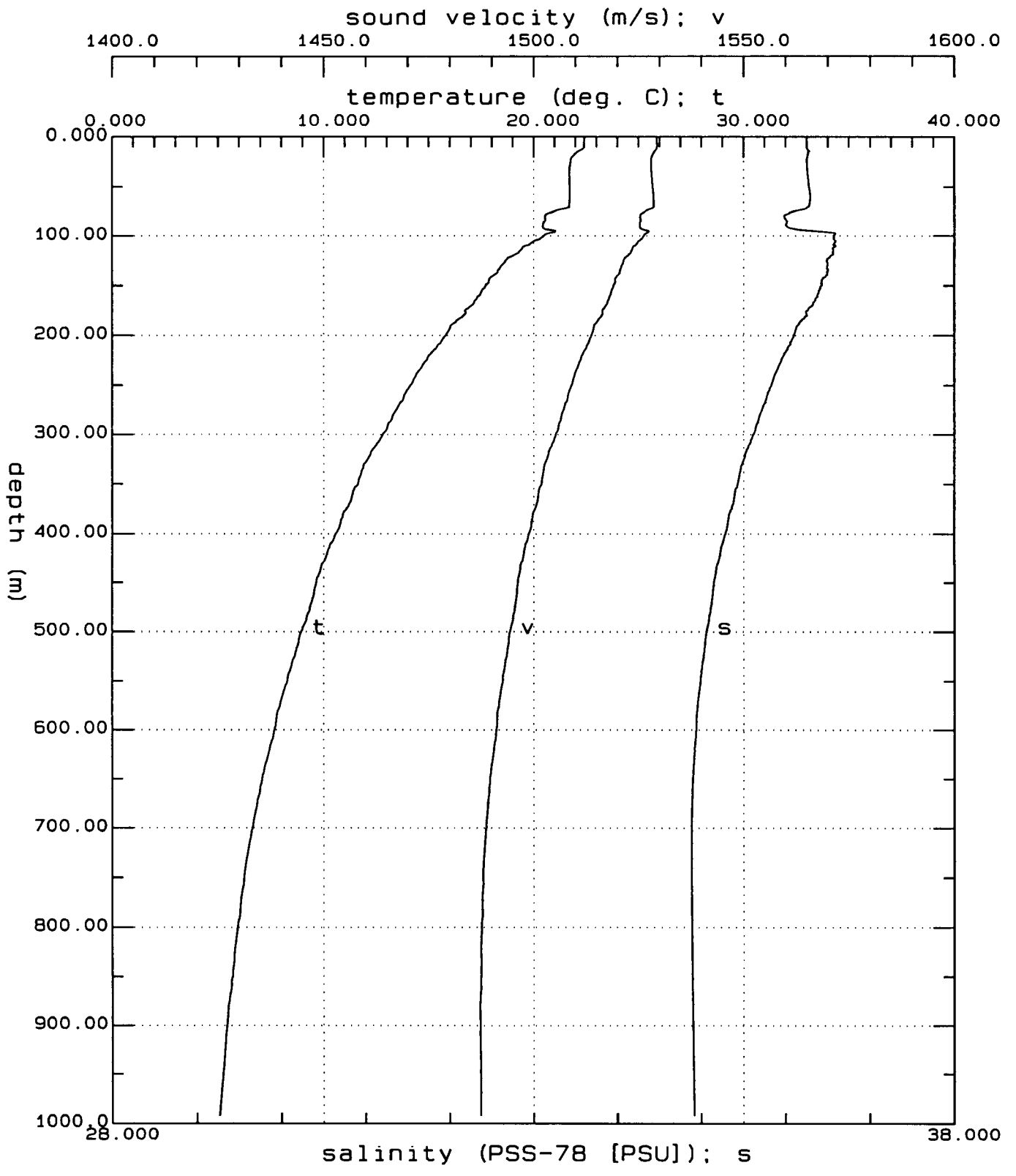
11-106.CNV: Gulfcet Cruise 04



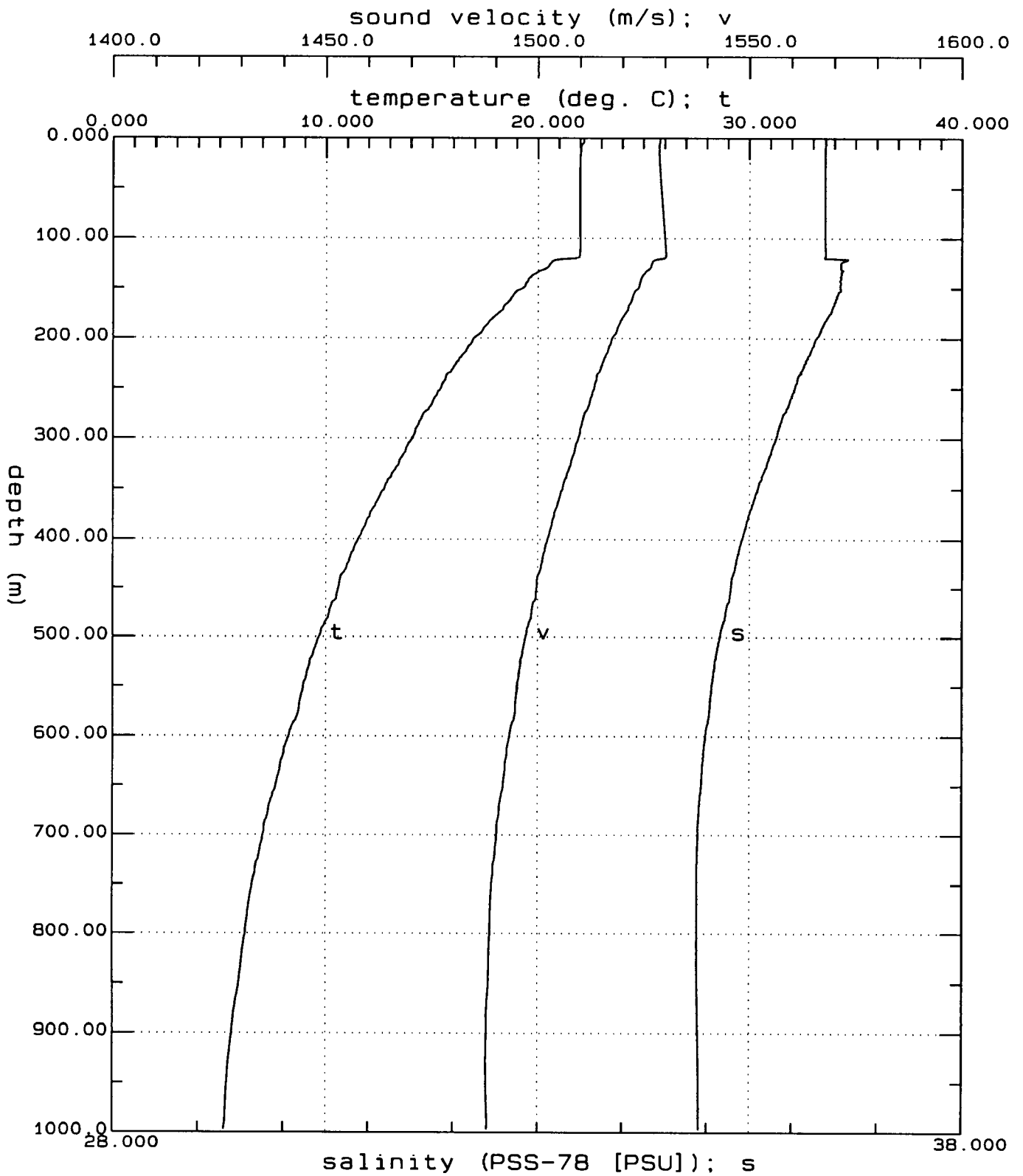
11-112.CNV: Gulfcet Cruise 04



11-115.CNV: Gulfcet Cruise 04

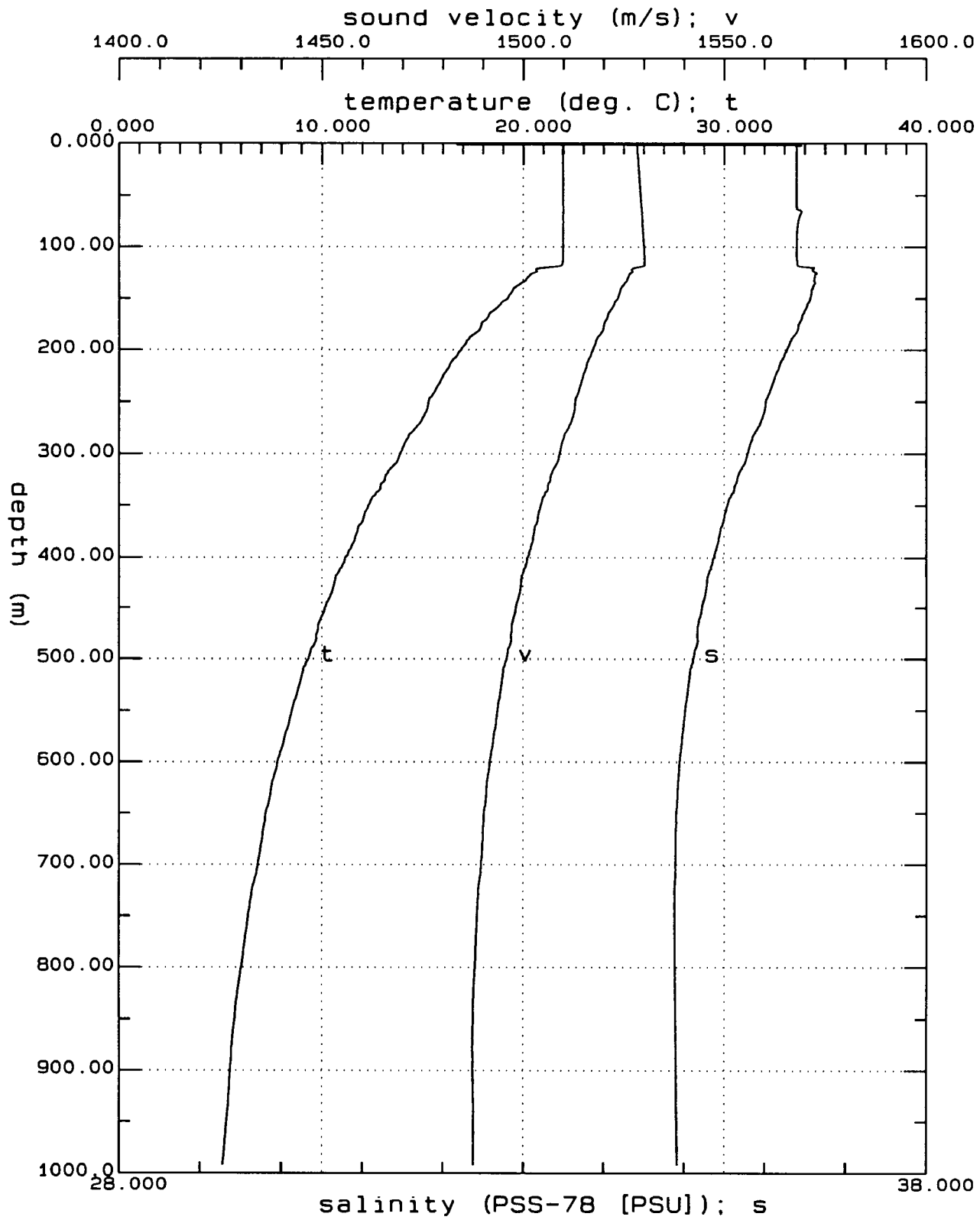


12-116.CNV: Gulfcet Cruise 04

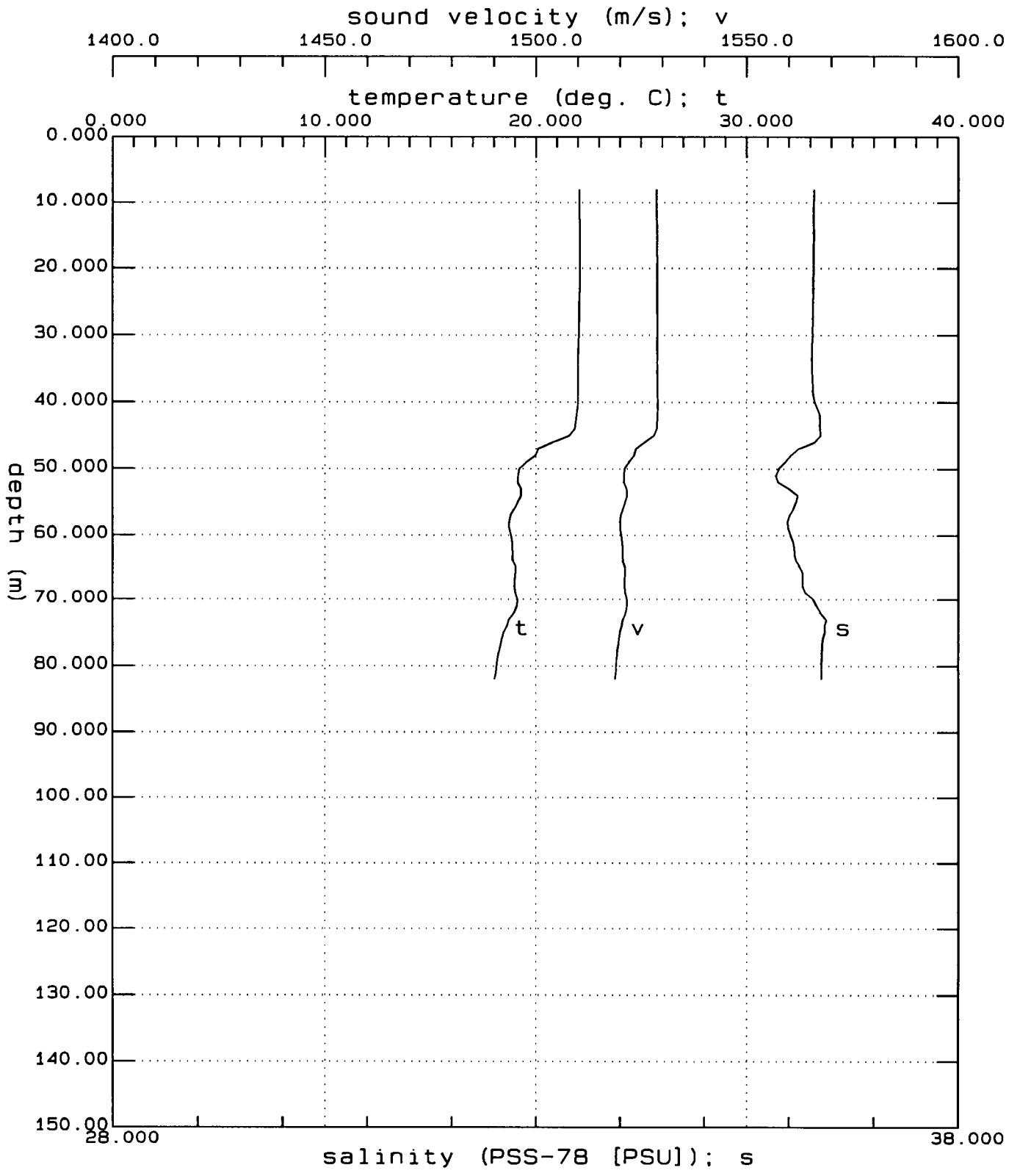


12-117.CNV: Gulfcet Cruise 04

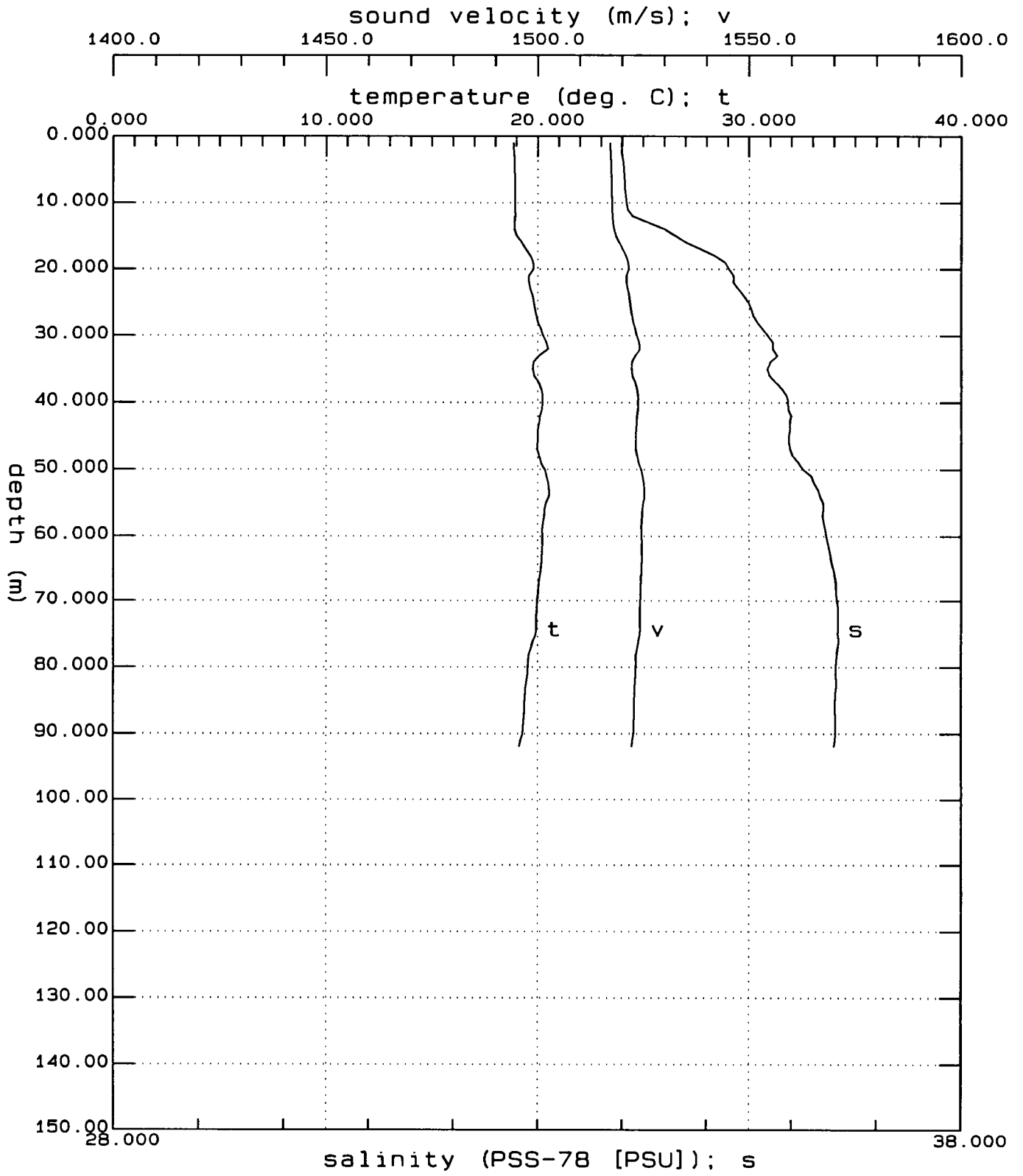




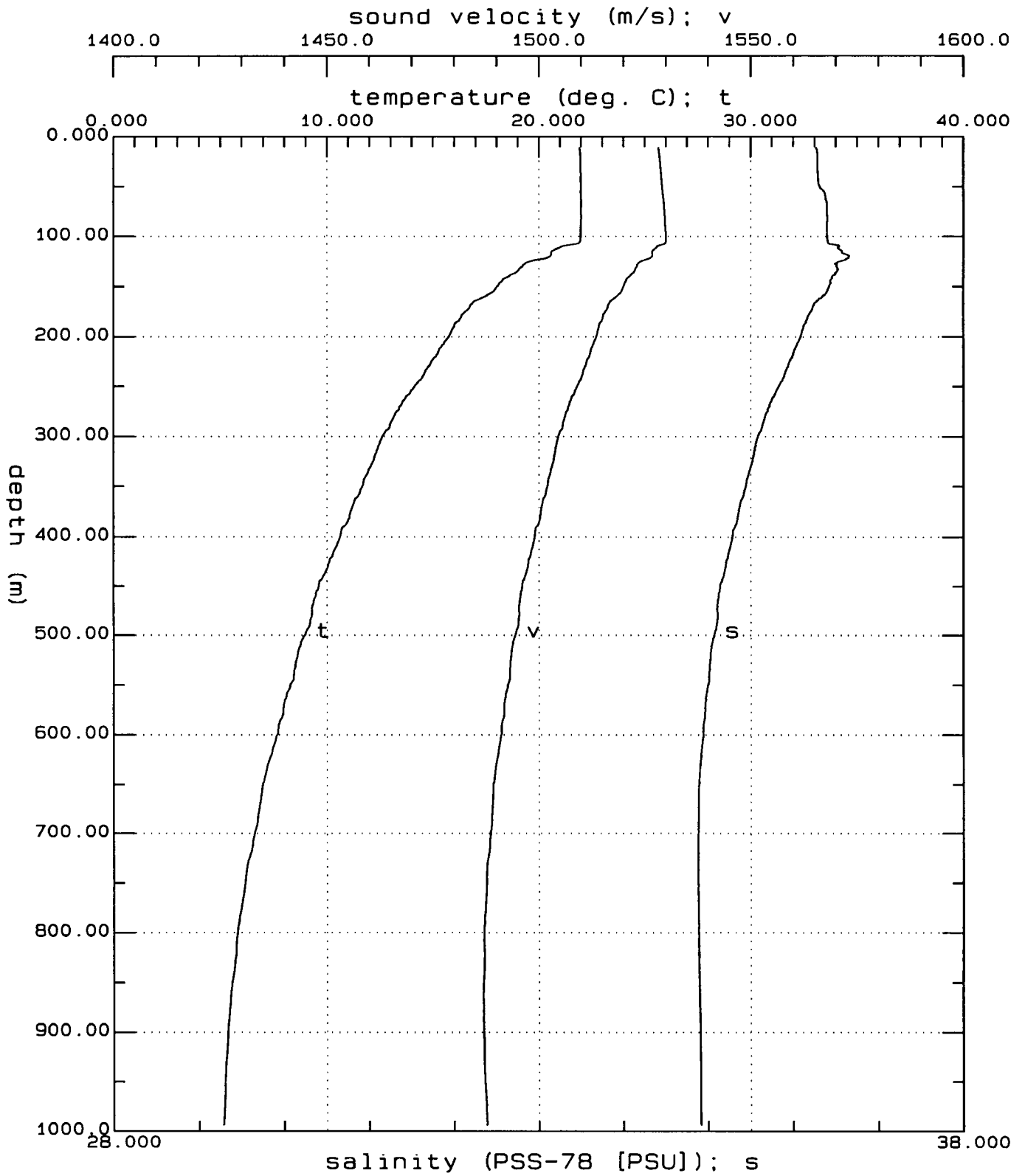
12-119.CNV: Gulfcet Cruise 04



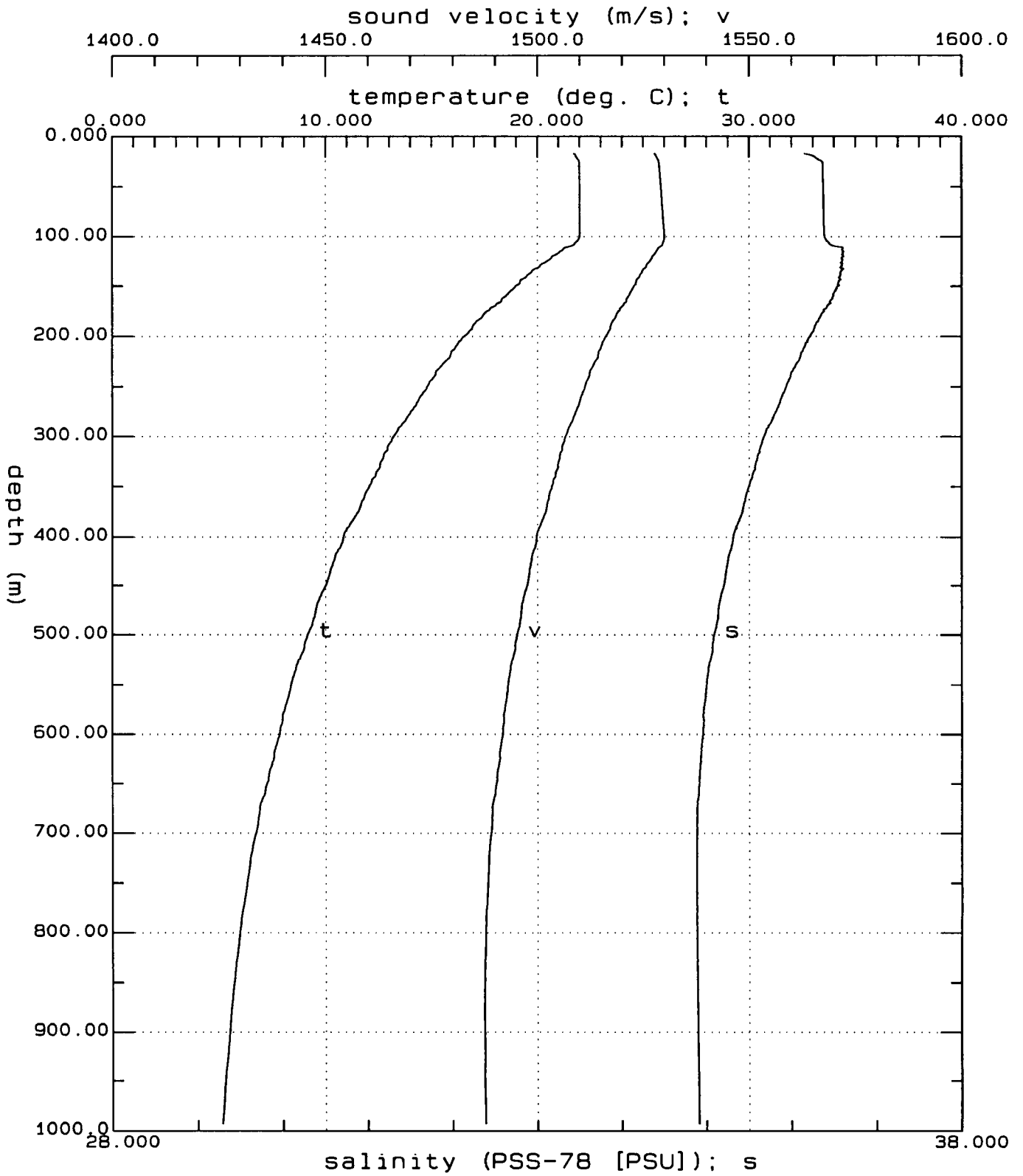
12-125.CNV: Gulfcet Cruise 04



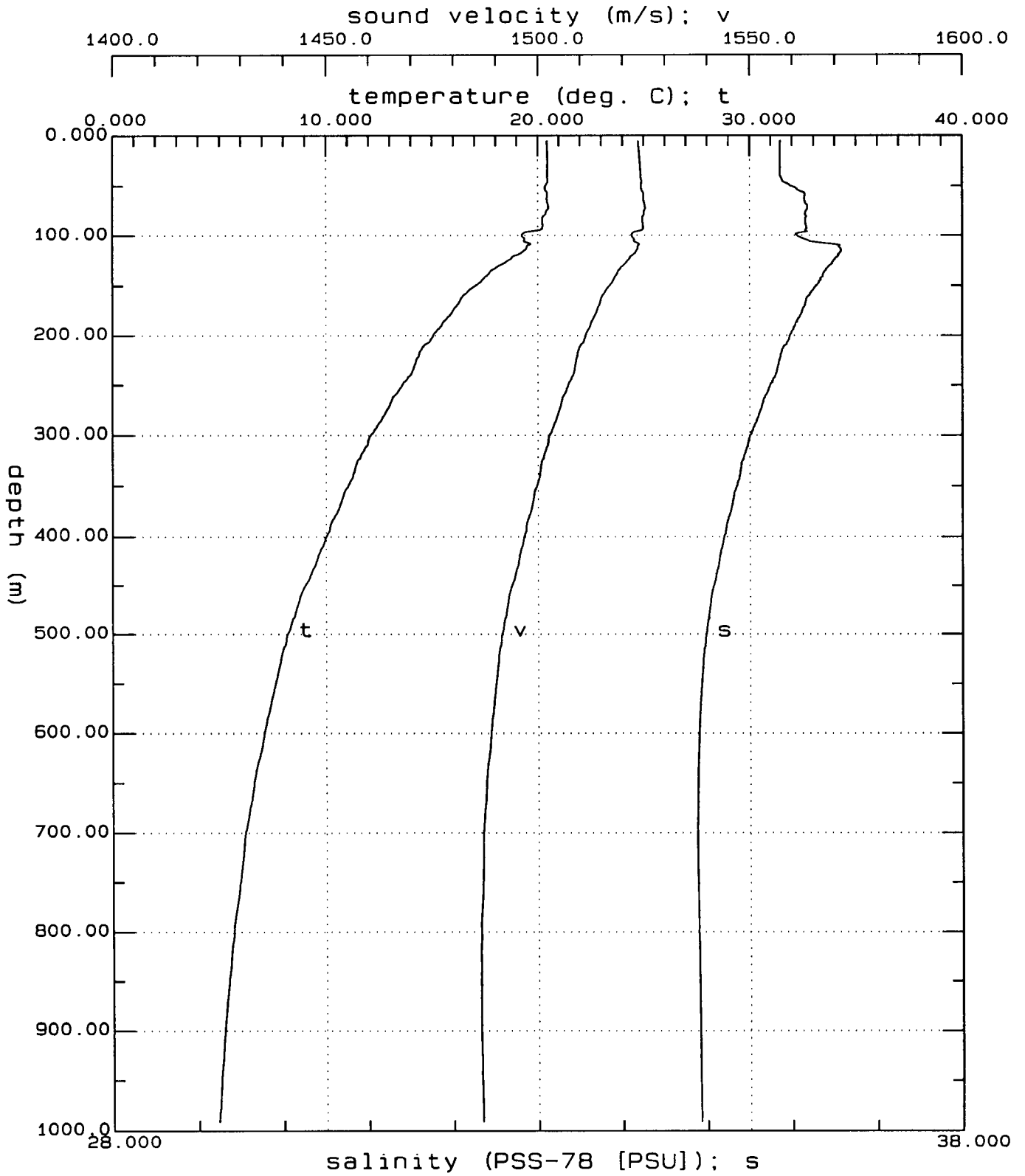
13-126.CNV: Gulfcet Cruise 04



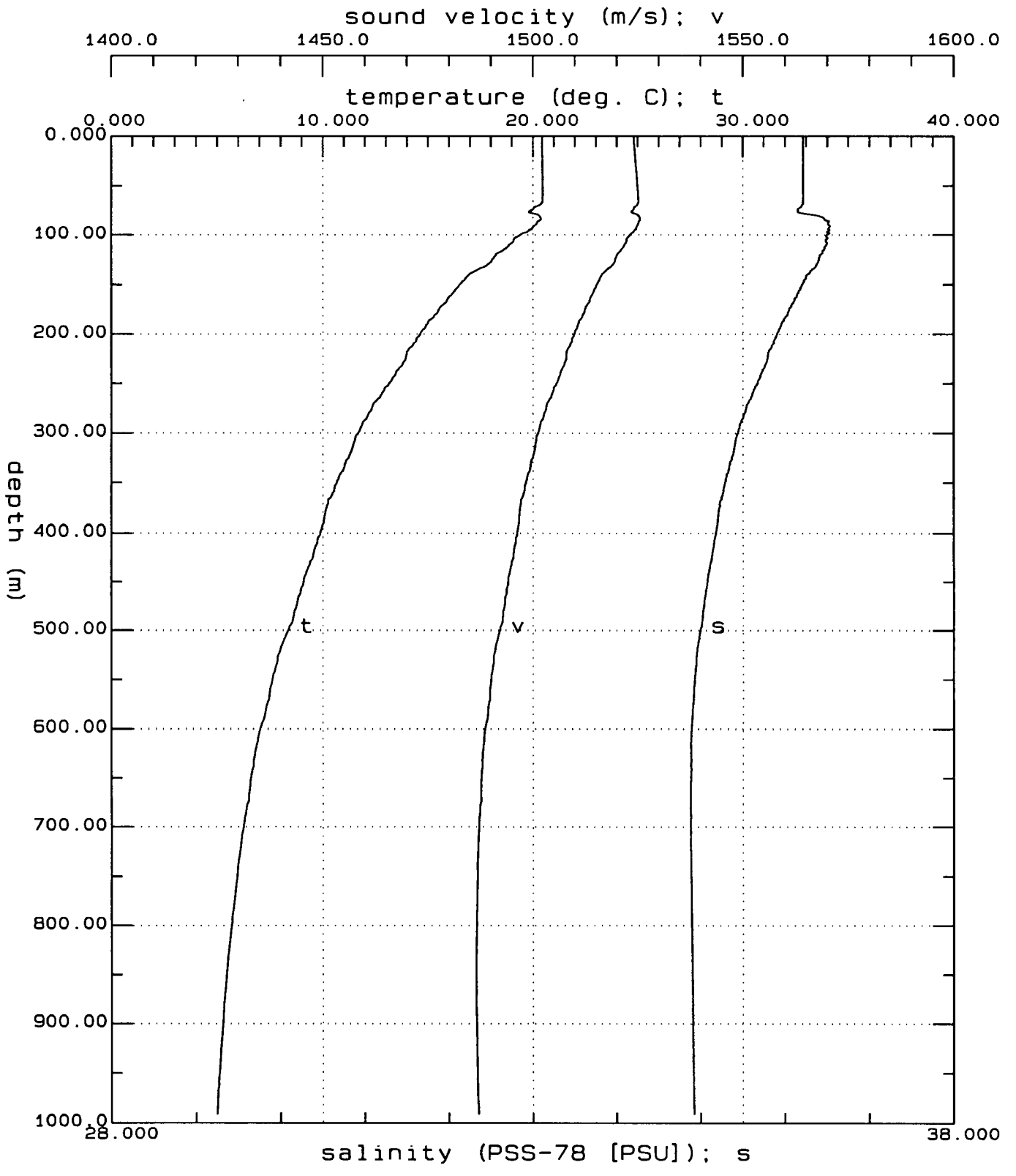
13-133.CNV: Gulfcet Cruise 04



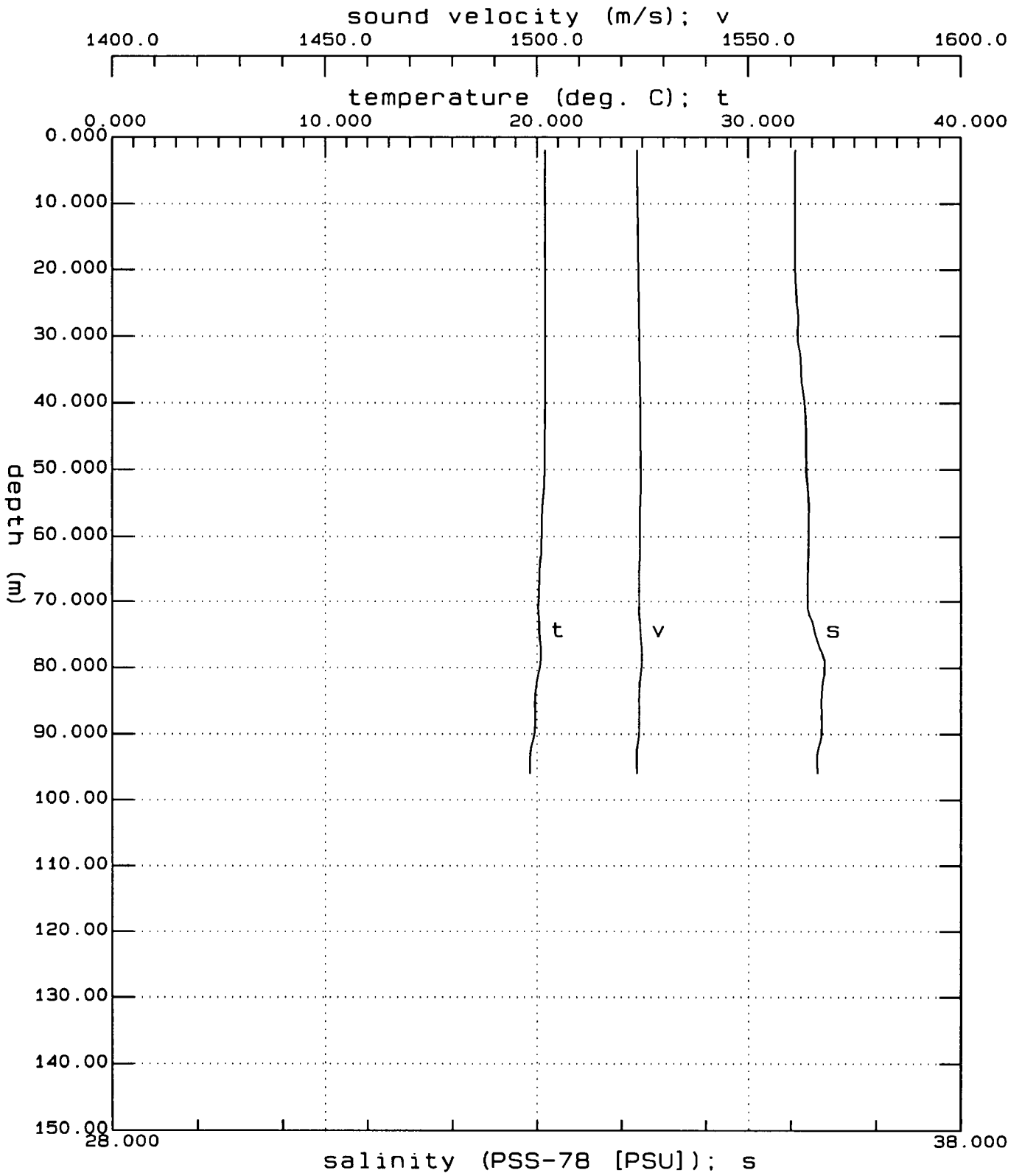
13-134.CNV: Gulfcet Cruise 04



14-135.CNV: Gulfcet Cruise 04

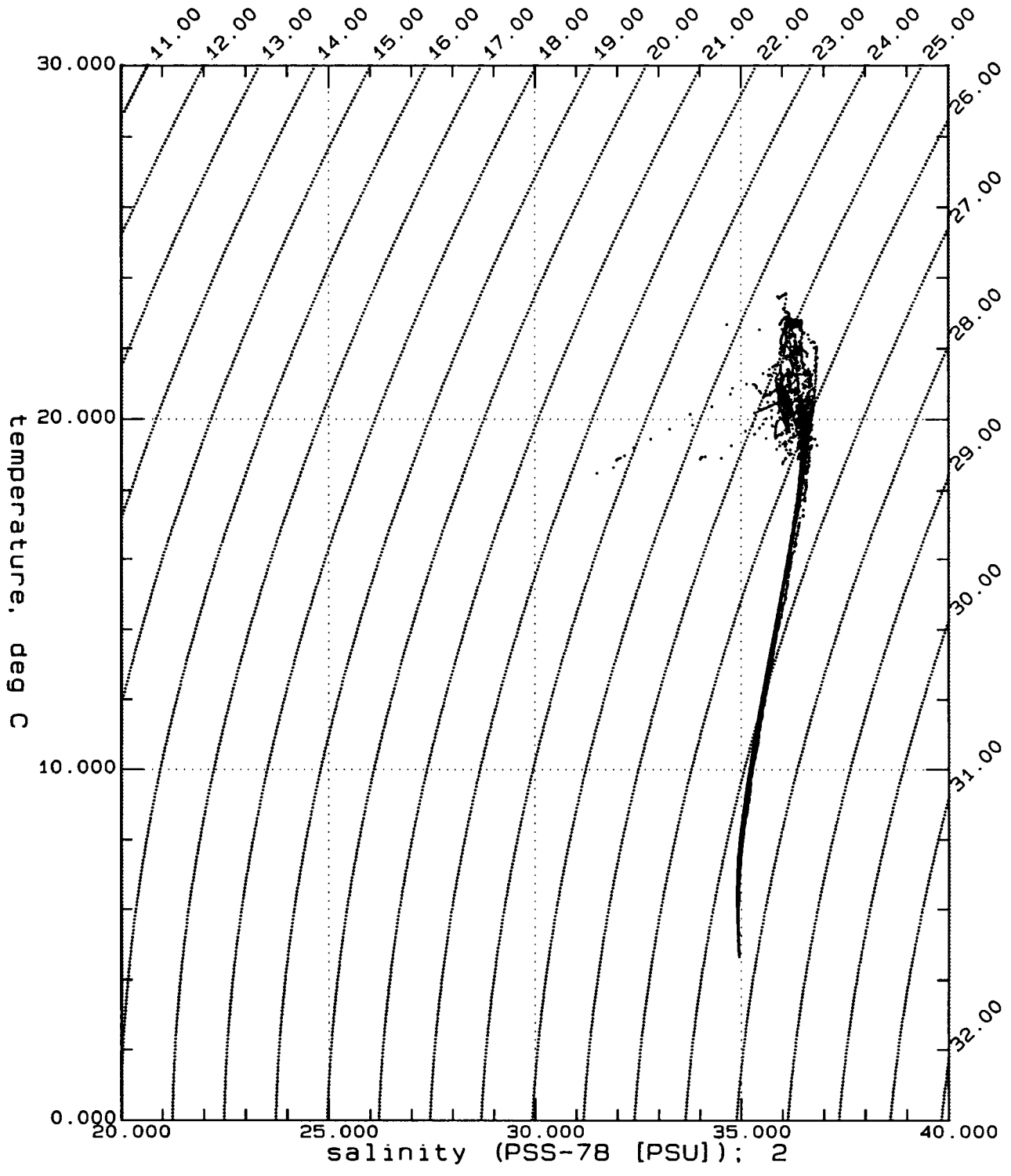


14-136.CNV: Gulfcet Cruise 04

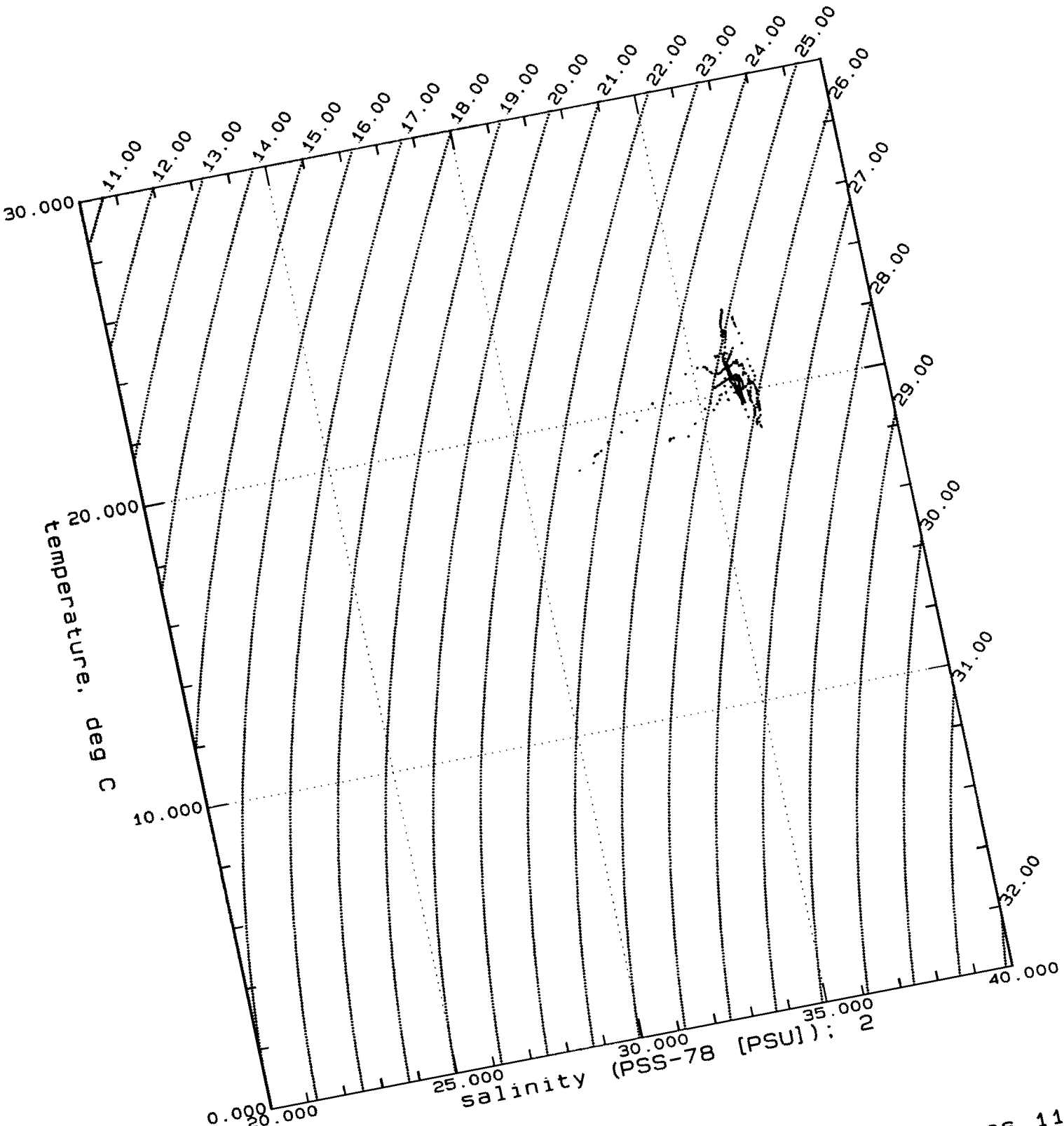


14-143.CNV: Gulfcet Cruise 04

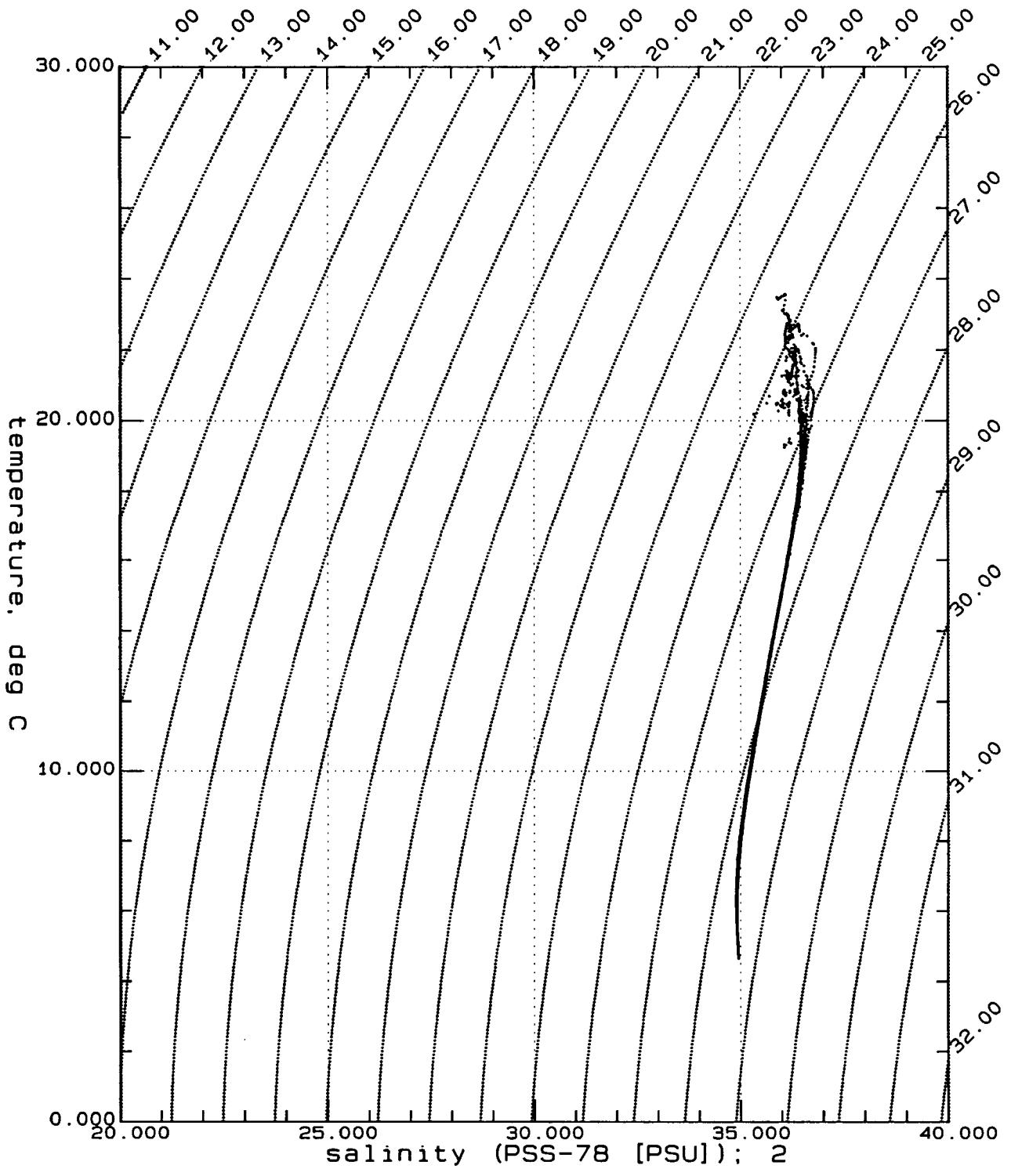




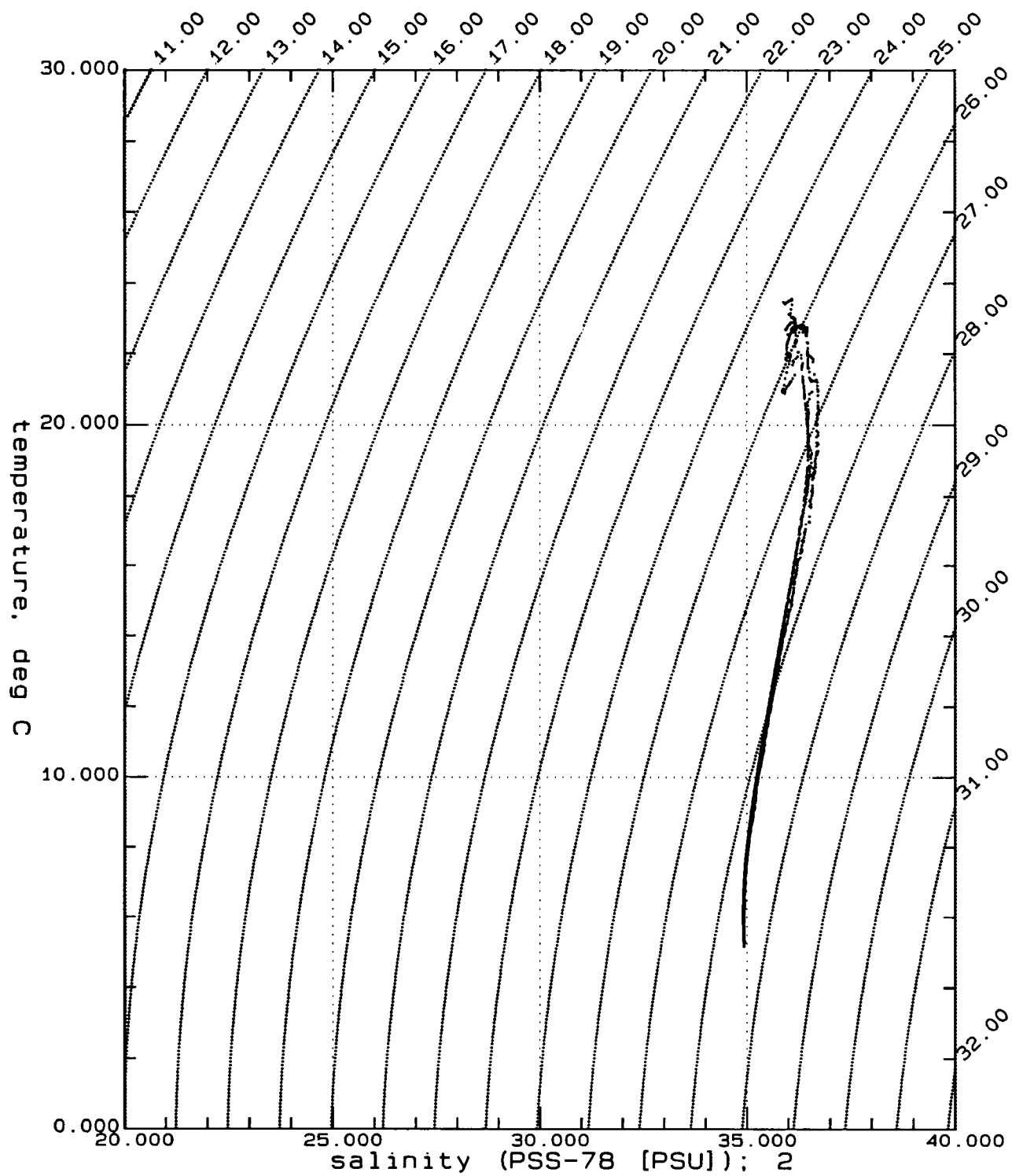
Gulfcet Cruise 04 - All Stations



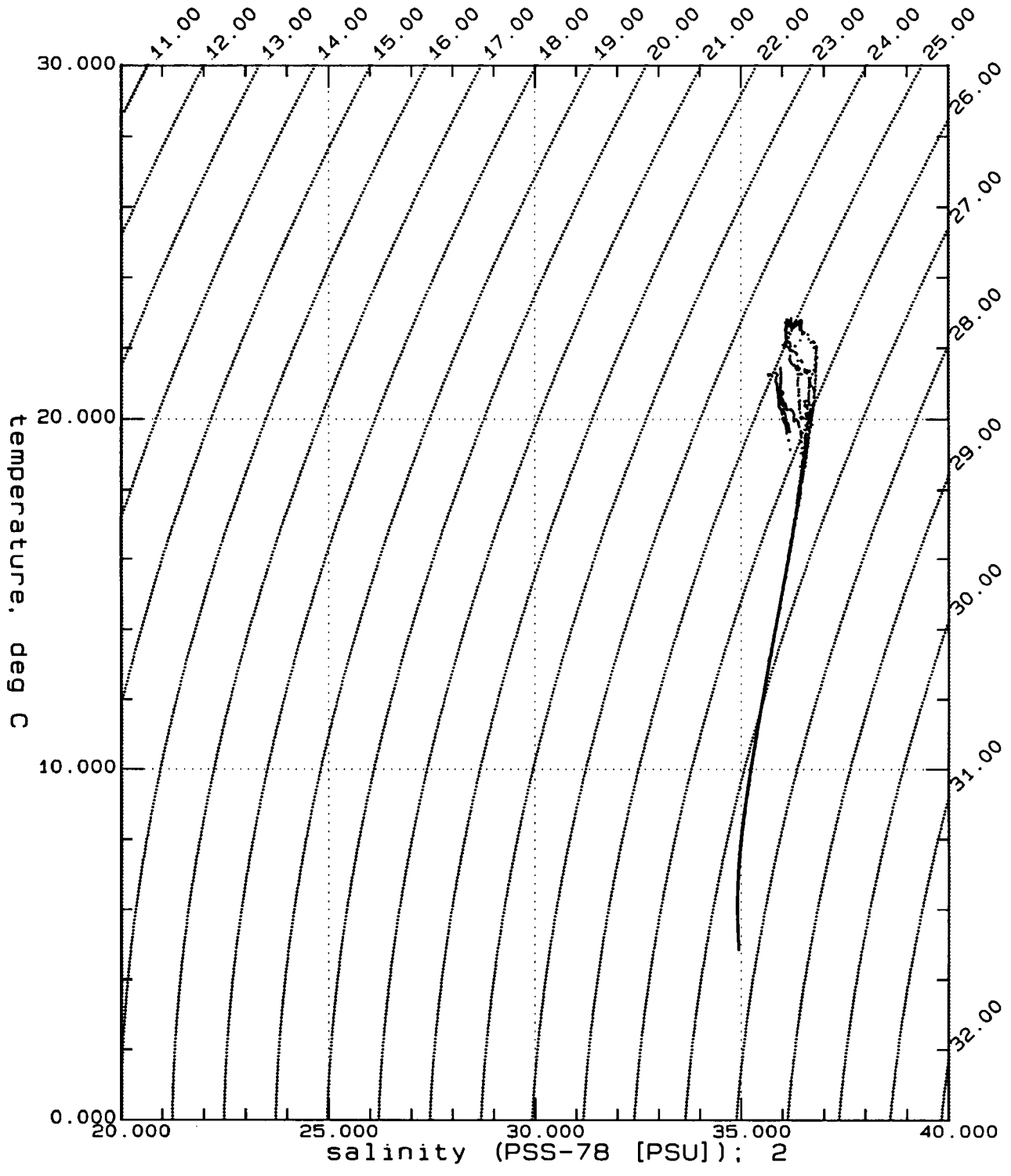
Gulfcet Cruise 04 - Inshore Stations (without lines 11 & 12)



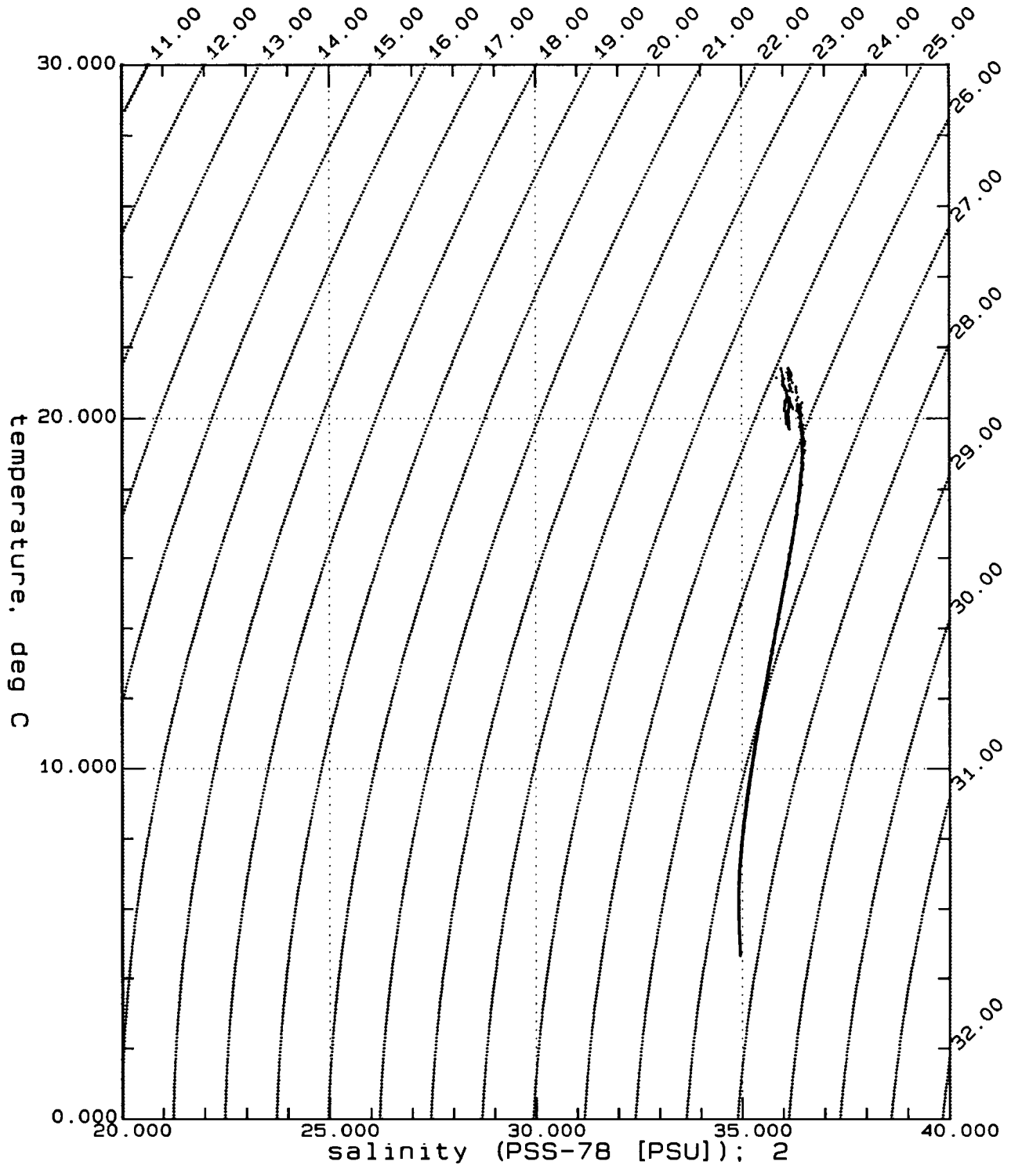
Gulfcet Cruise 04 - Offshore Stations



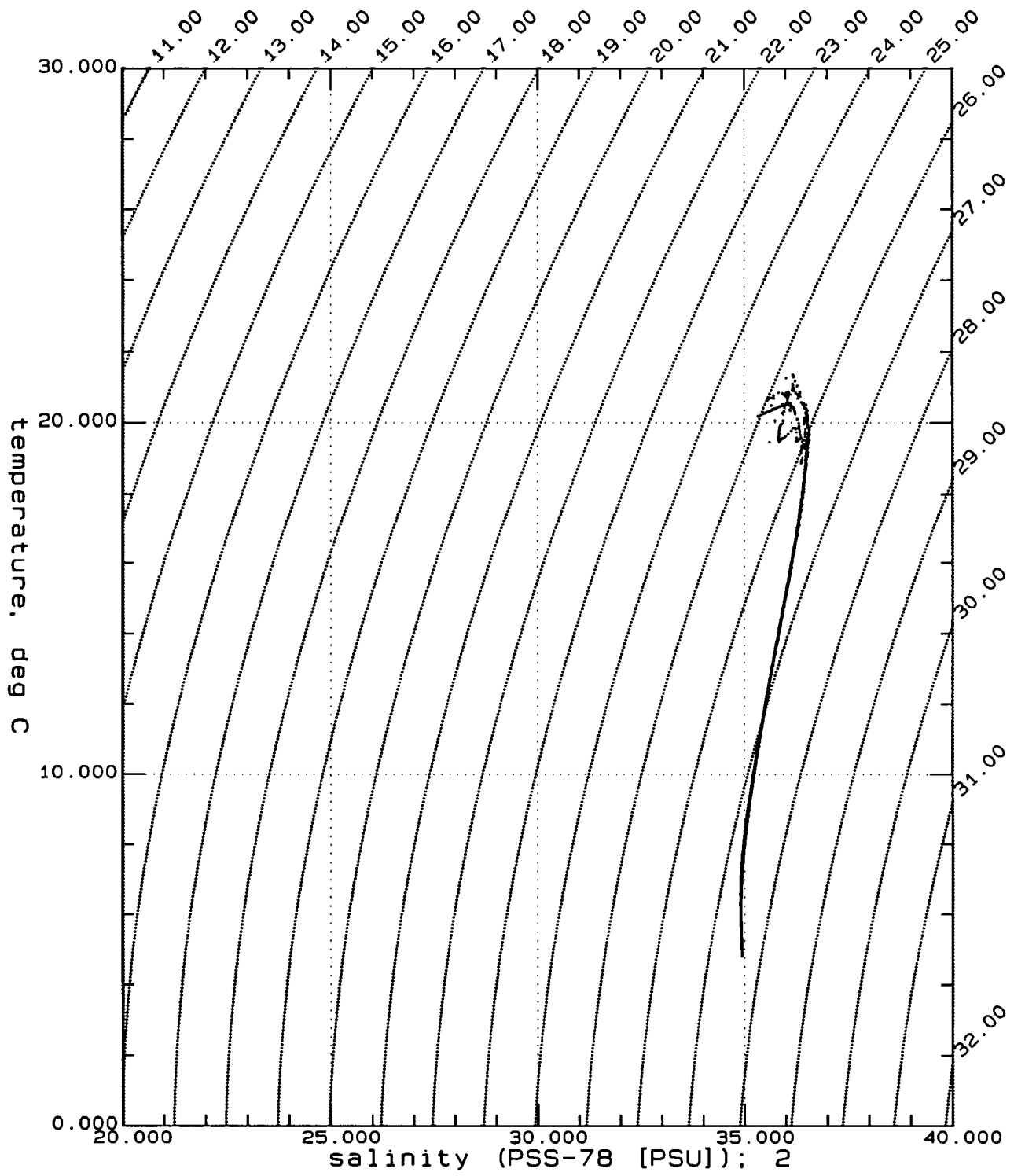
Gulfcet Cruise 04 - Lines 01 and 02



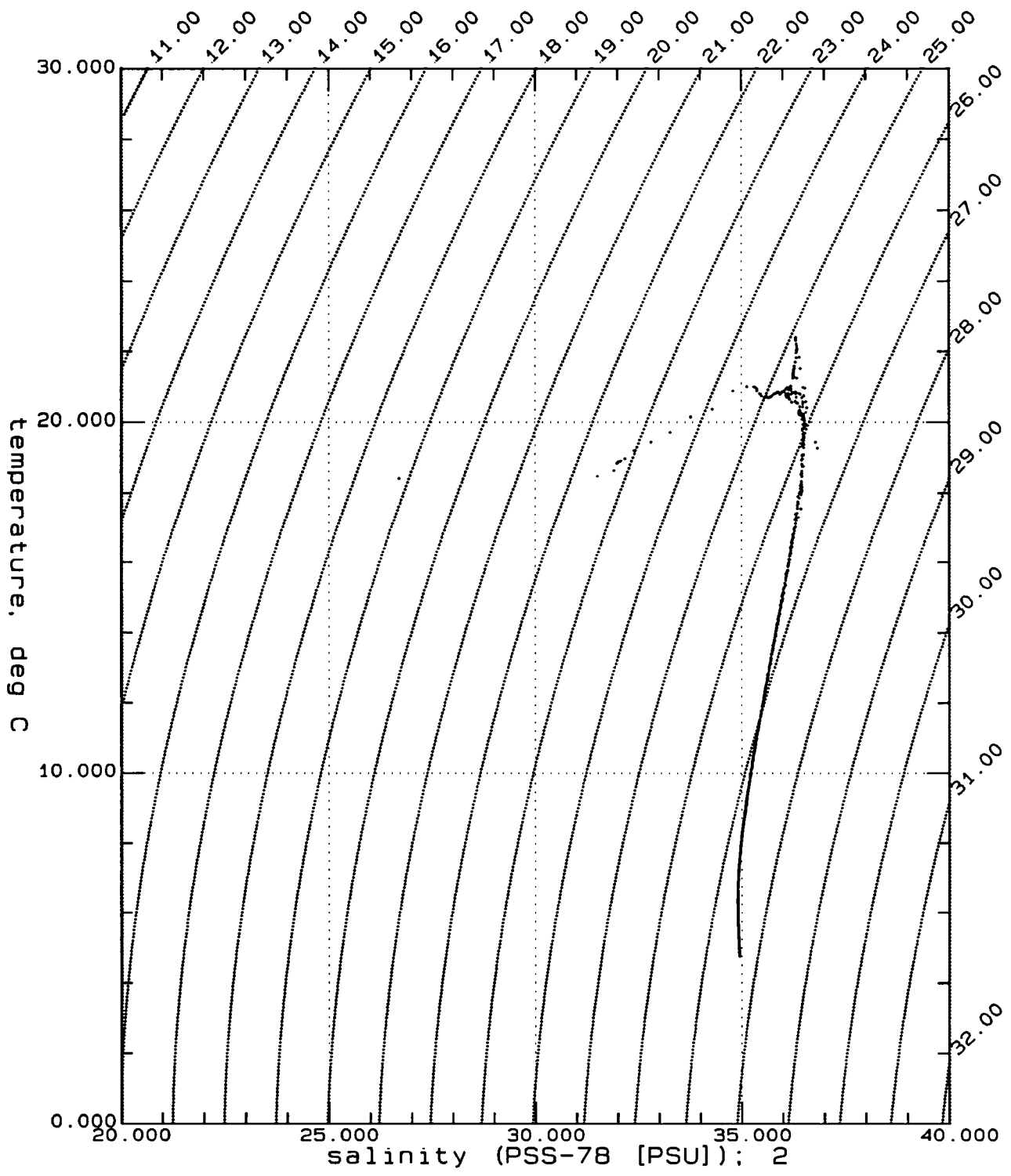
Gulfcet Cruise 04 - Lines 03 and 04



Gulfcet Cruise 04 - Lines 05 and 06

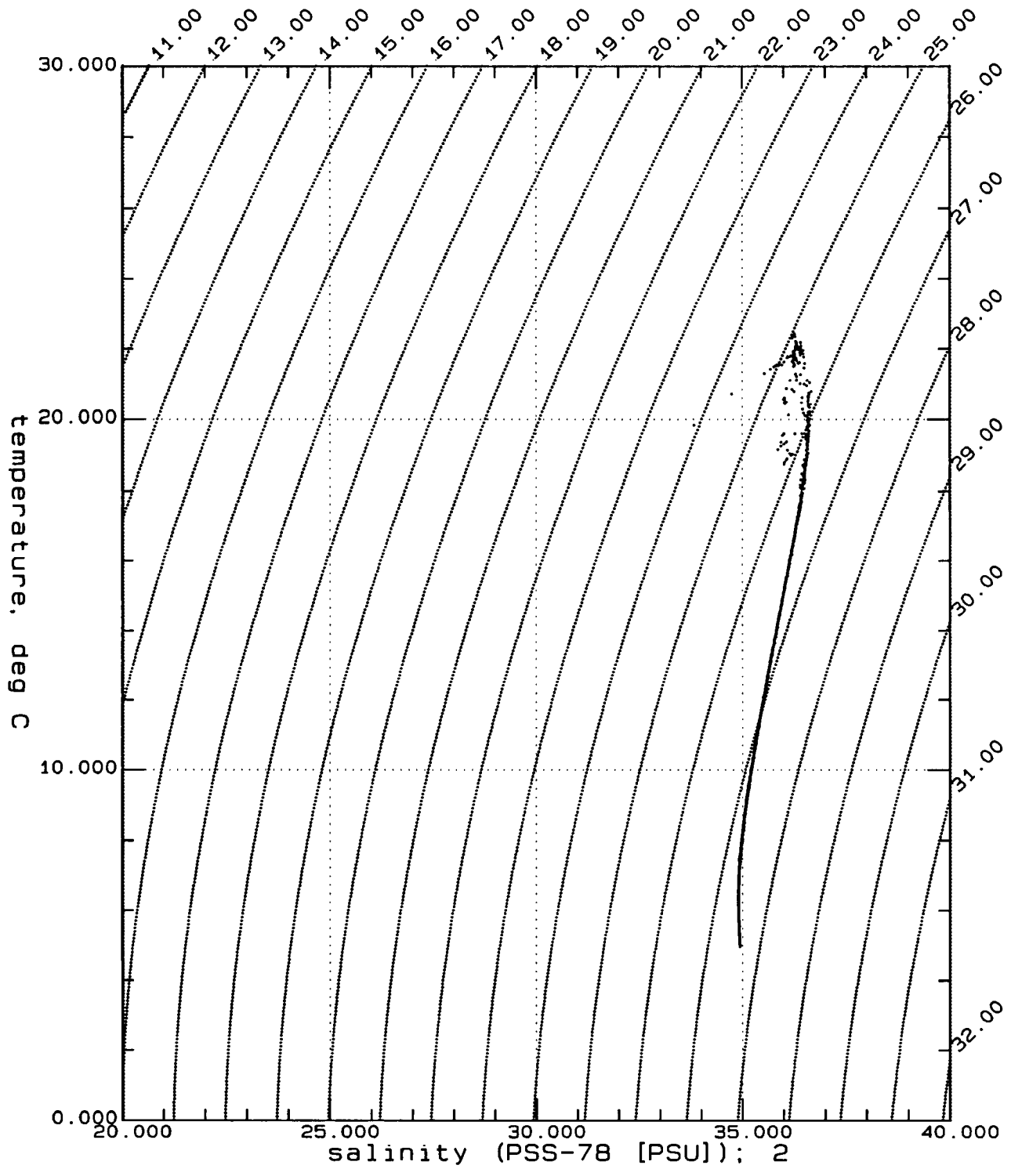


Gulfcet Cruise 04 - Lines 07 and 08

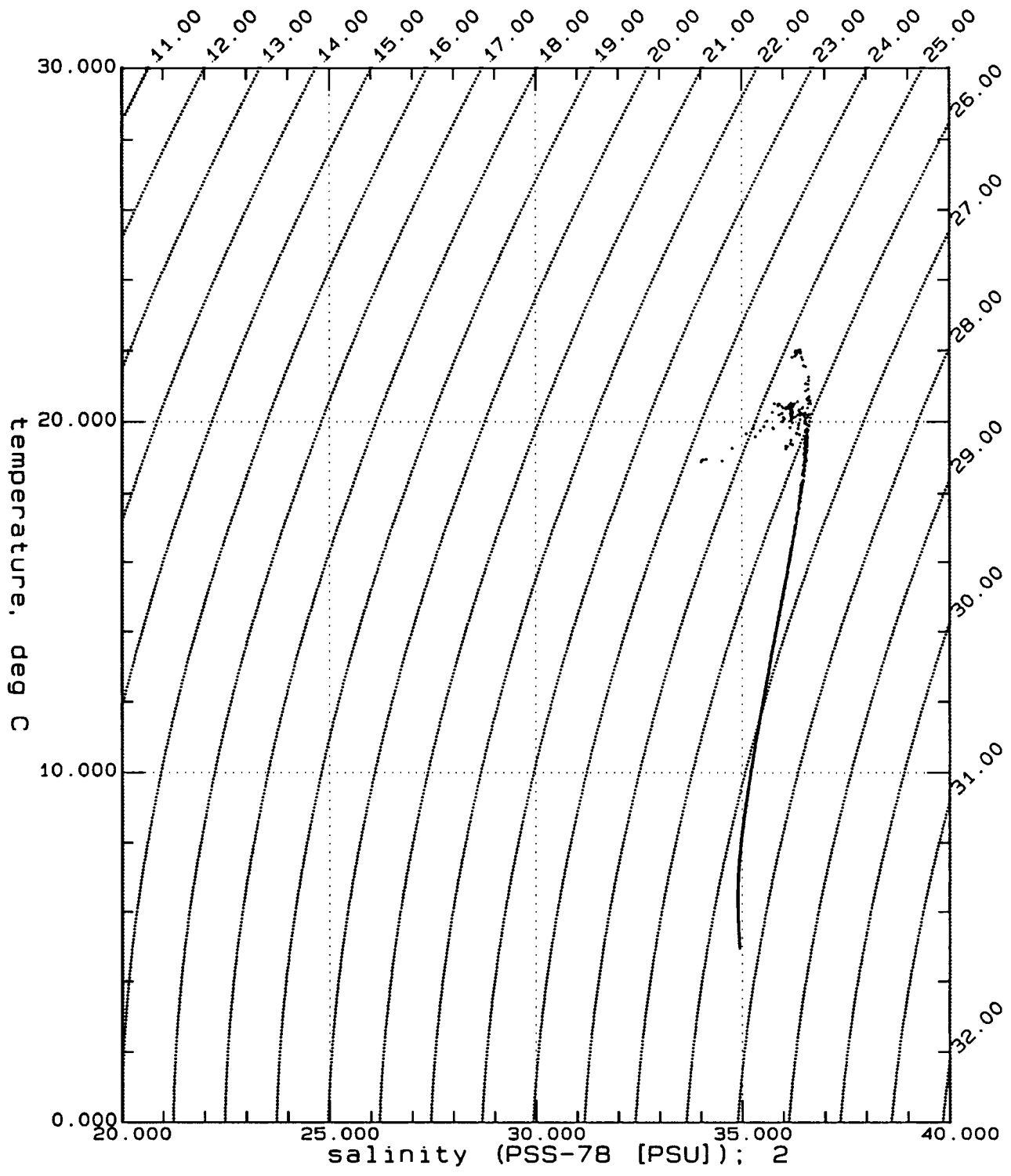


Gulfcet Cruise 04 - Lines 09 and 10





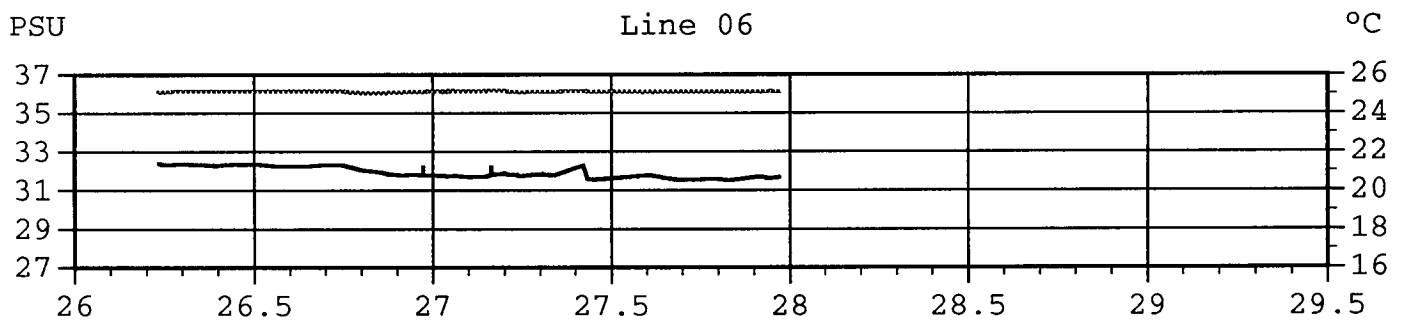
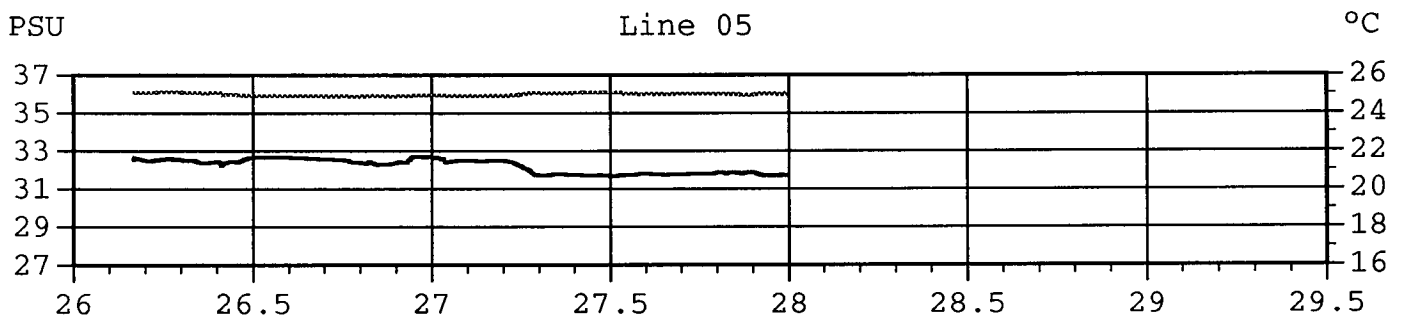
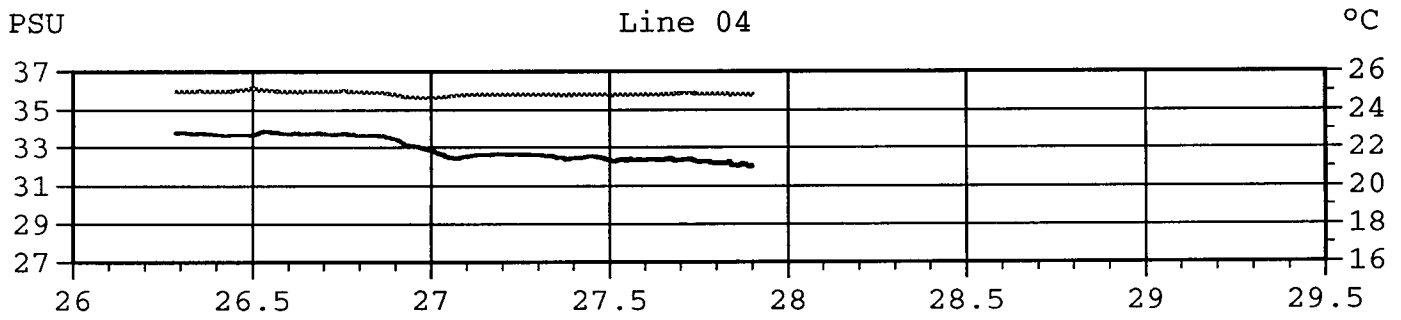
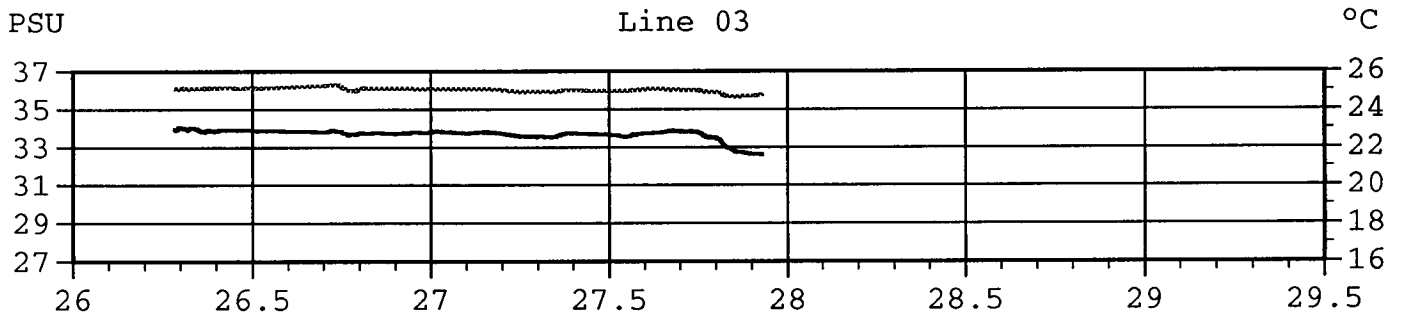
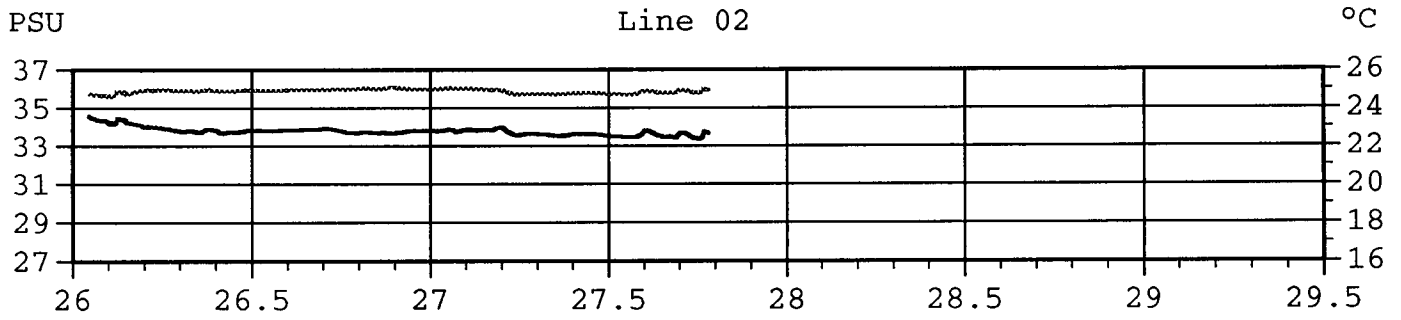
Gulfcet Cruise 04 - Lines 11 and 12

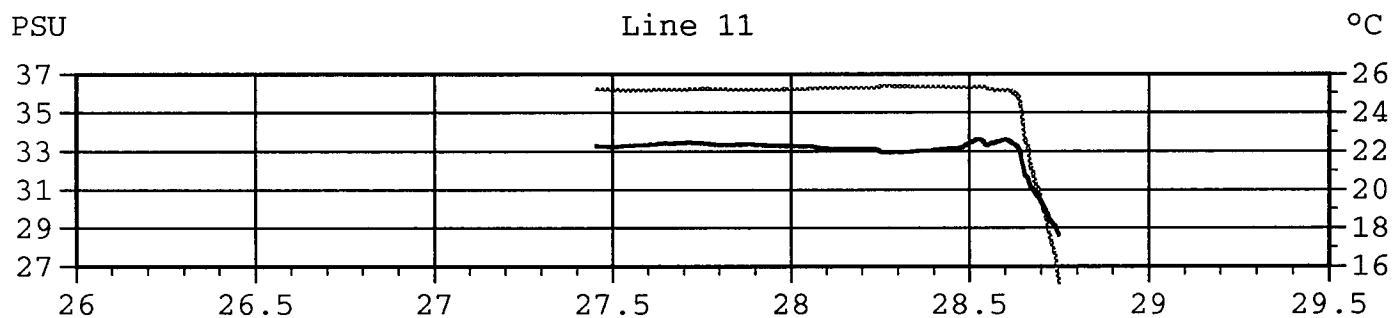
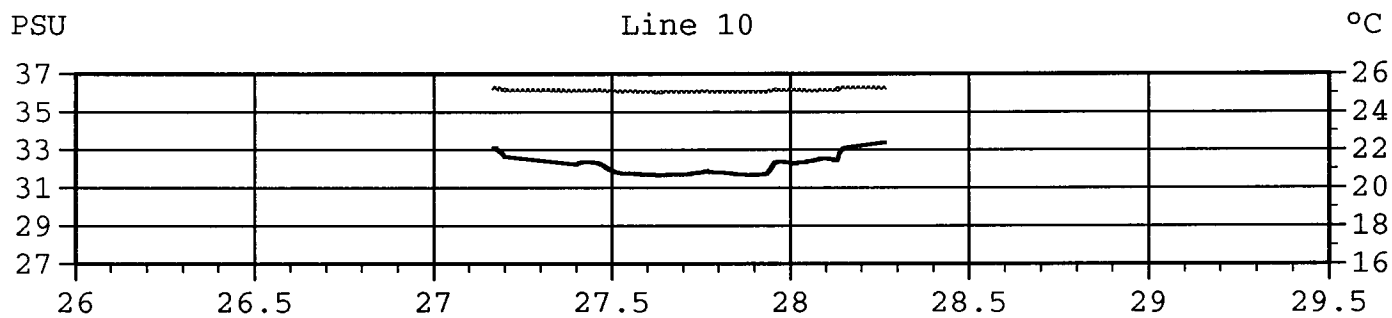
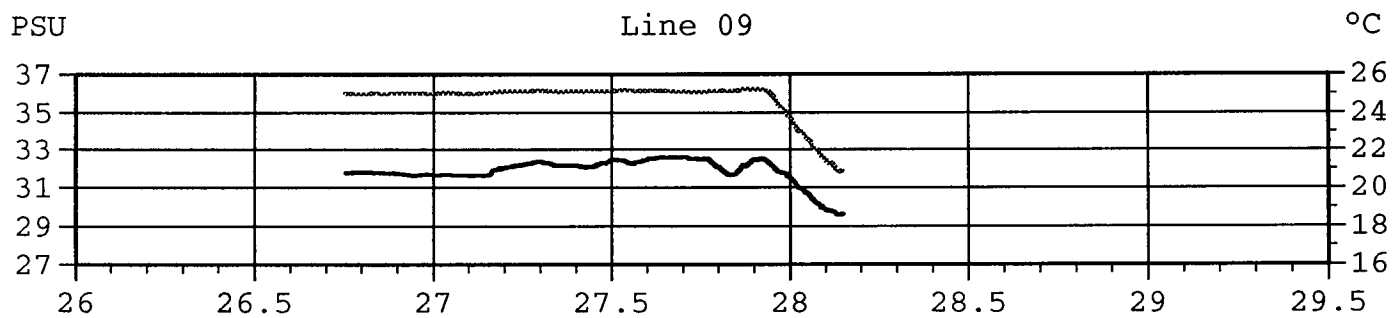
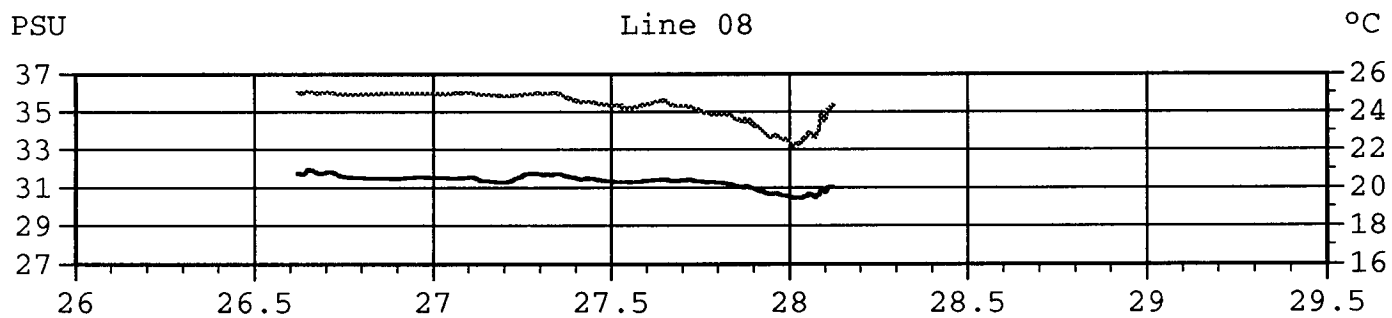
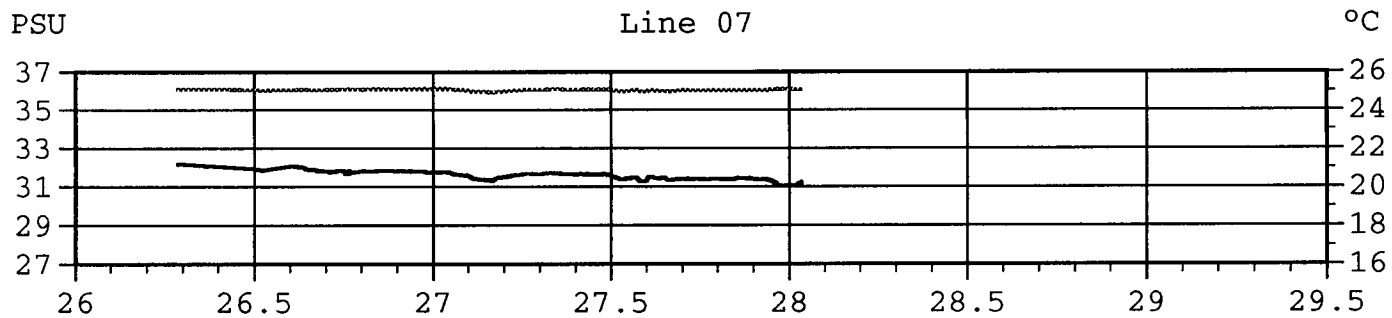


Gulfcet Cruise 04 - Lines 13 and 14

**CONTINUOUSLY RECORDING DATA:**

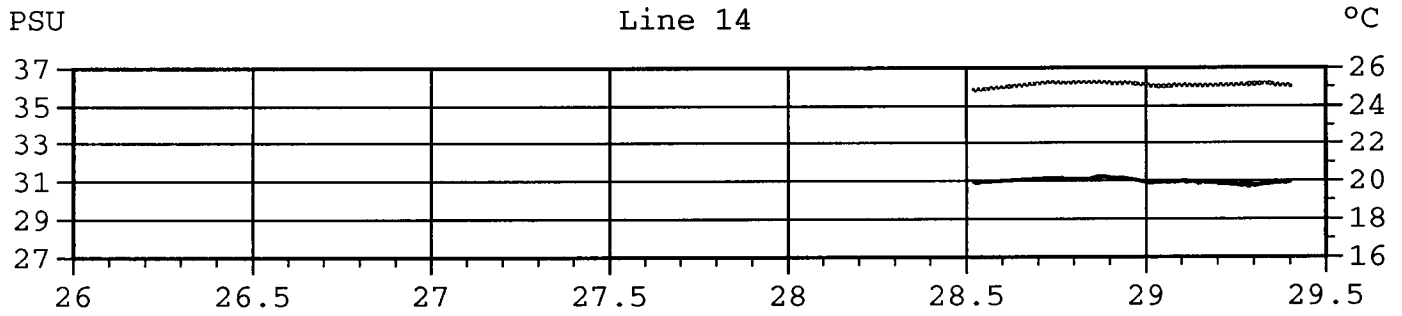
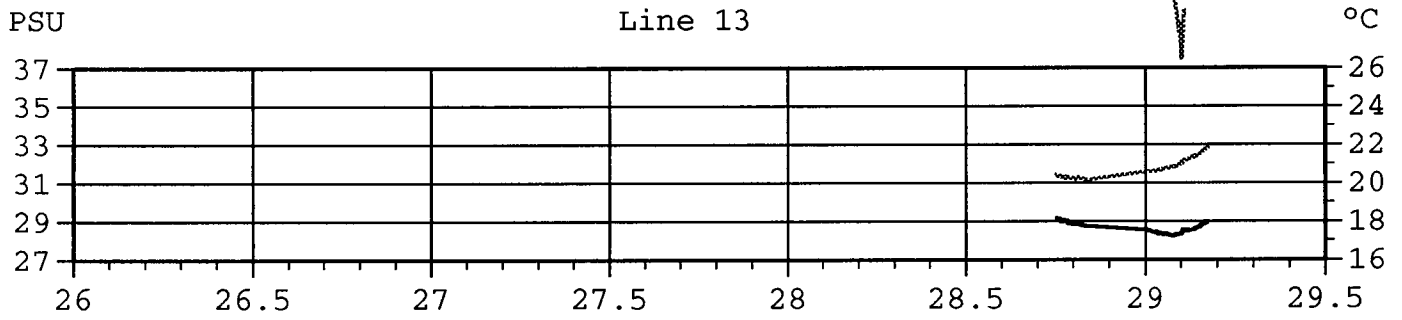
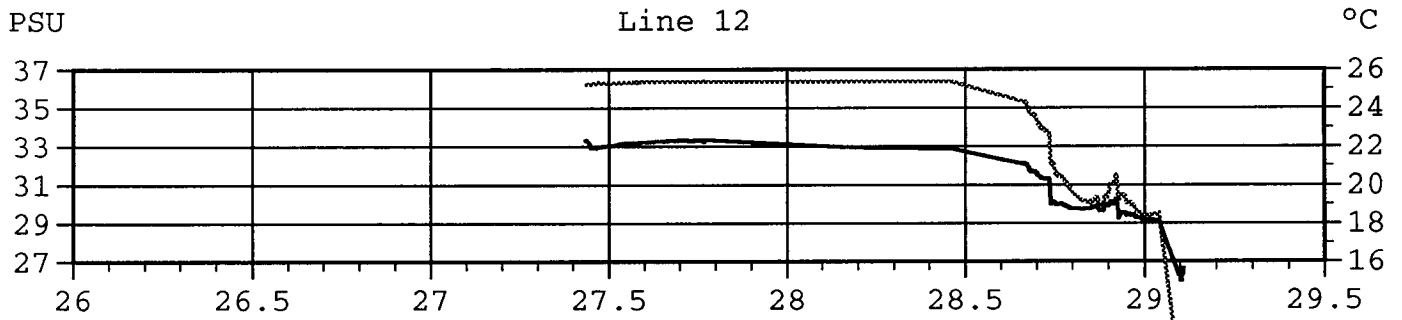
- PLOTS OF TEMPERATURE AND SALINITY





----- Salinity

———— Temperature



----- Salinity

— Temperature

**SALINITY DATA:**

- DATA SUMMARY TABLE
- CTD SURFACE SALINITY MAP

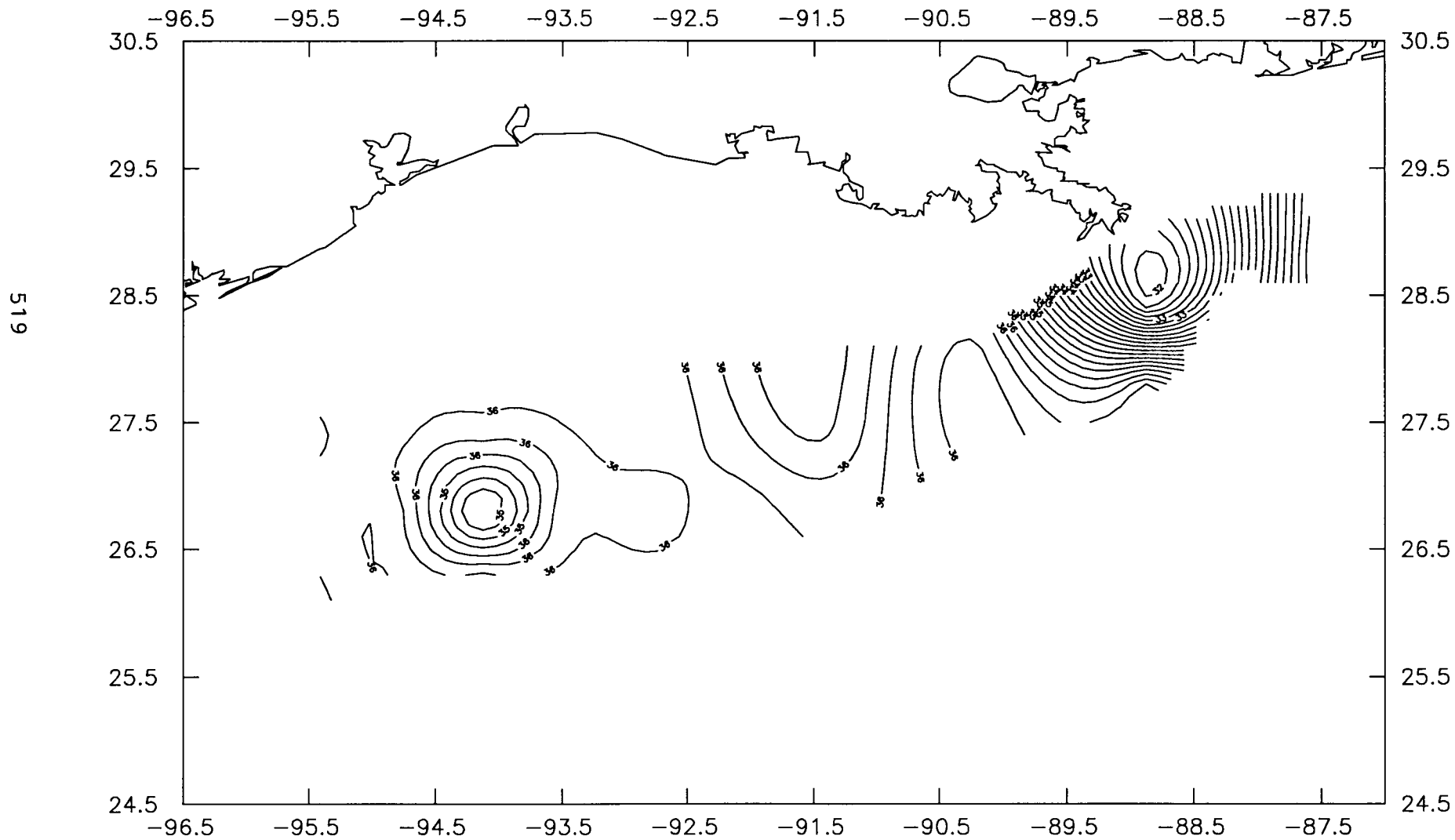
## Cruise 04 Salinity Data

Station	Depth	Bottle Salinity	CTD Salinity	Difference Bottle-CTD	Station	Depth	Bottle Salinity	CTD Salinity	Difference Bottle-CTD
03-030	0.6	36.1907	36.2016	-0.0109	10-097	69.9	36.4714	36.5171	-0.0458
03-030	10.6	36.1808	36.1941	-0.0132	10-097	85	36.4151	36.4392	-0.0241
03-030	20.8	36.1979	36.2027	-0.0048	10-097	101.3	36.3715	36.4296	-0.0581
03-030	30.5	36.2032	36.2077	-0.0045	10-097	151	35.9874	35.9808	0.0066
03-030	40.2	36.2565	36.2448	0.0117	10-097	1000		34.9263	
03-030	50.4	36.3669	36.3571	0.0099	12-125	0.9	25.8531		
03-030	60.4	36.3810	36.3986	-0.0176	12-125	5.7	35.9823		
03-030	70.6	36.3940	36.3958	-0.0018	12-125	10.7	36.2861	36.2902	-0.0041
03-030	89.8	36.3814	36.3964	-0.0150	12-125	20.5	36.2814	36.2887	-0.0073
03-030	100.2	36.3841	36.3970	-0.0129	12-125	30.6	36.2650	36.2766	-0.0116
03-030	149.4	36.3875	36.4041	-0.0166	12-125	40.6	36.3074	36.3193	-0.0120
03-030	1001.7	34.9184	34.9039	0.0145	12-125	50.8	35.8629	35.8617	0.0012
06-064	1.5	36.1396	36.1416	-0.0020	12-125	60.2	35.9974	36.0050	-0.0076
06-064	5.5	36.1322	36.1430	-0.0108	12-125	70.6	36.2961	36.3085	-0.0124
06-064	10.8	36.1562	36.1417	0.0145	12-125	80.6	36.3650	36.3810	-0.0160
06-064	20.7	36.1333	36.1418	-0.0085	12-125	82.5	36.3591	36.3800	-0.0209
06-064	30.4	36.1224	36.1365	-0.0141	12-125	82.7	36.3607	36.3804	-0.0197
06-064	39.9	36.1140	36.1125	0.0014	13-133	1.9	31.4159		
06-064	50.1	36.1262	36.1136	0.0126	13-133	10.2	36.2867	36.2683	0.0184
06-064	60.3	36.1530	36.1139	0.0391	13-133	19.9	36.2739	36.2859	-0.0120
06-064	70.6	36.1078	36.1195	-0.0118	13-133	29.8	36.2853	36.2843	0.0011
06-064	80.6	36.1059	36.1256	-0.0196	13-133	40.4	36.2956	36.2914	0.0042
06-064	90.9	36.1149	36.1245	-0.0095	13-133	50.8	36.2897	36.3130	-0.0233
06-064	94.5	36.1240	36.1335	-0.0095	13-133	60.4	36.3125	36.3767	-0.0642
08-076	2.6	36.0219	36.0305	-0.0086	13-133	70	36.3622	36.3971	-0.0349
08-076	20	36.0238	36.0353	-0.0115	13-133	85.5	36.3835	36.3985	-0.0150
08-076	30	36.0225	36.0288	-0.0063	13-133	85.5	36.4884	36.3985	0.0899
08-076	39.5	36.0240	36.0283	-0.0043	13-133	102.2	36.3888	36.3993	-0.0105
08-076	61	36.0252	36.0287	-0.0035	13-133	152.3	36.3903	36.4110	-0.0206
08-076	71	36.0283	36.0292	-0.0010	14-143	1.2	36.0610	36.0521	0.0089
08-076	86	36.4623	36.4283	0.0340	14-143	6.7	36.0684	36.0503	0.0181
08-076	99.9	36.4907	36.4997	-0.0090	14-143	9.1	36.0645	36.0501	0.0144
08-076	1000.5	34.9447	34.9243	0.0204	14-143	21.2	36.0748	36.0543	0.0205
10-097	2.7	36.3105			14-143	30.5	36.0706	36.0828	-0.0123
10-097	10.29	36.3064	36.3229	-0.0165	14-143	40.6	36.1905	36.1640	0.0265
10-097	21	36.2851	36.3192	-0.0341	14-143	50.9	36.2091	36.1848	0.0243
10-097	30	36.2407	36.2591	-0.0185	14-143	62.2	36.2080	36.2056	0.0025
10-097	40	36.2209	36.2386	-0.0176	14-143	71.6	36.1848	36.2053	-0.0205
10-097	52	36.2298	36.2275	0.0023	14-143	82.3	36.3814	36.3830	-0.0017
10-097	60.2	36.4006	36.2279	0.1728	14-143	87.3	36.4142	36.3600	0.0542
					14-143	90.1	36.3442	36.3606	-0.0165



# CTD Surface Salinity (PSU)

GulfCet 04



**STATION POSITIONS**

Table 1. Cruise 04 XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
02-Ex8	2/24/93	0757	26°33.90	95°34.60	T-7	08-082	2/17/93	1617	27°45.51	91°30.00	T-7
02-012	2/24/93	0600	26°40.90	95°29.83	T-7	08-083	2/17/93	1540	27°49.55	91°30.03	T-7
02-014	2/23/93	2138	27°23.01	95°30	T-7	08-084	2/17/93	1517	27°52.08	91°30.03	T-7
02-016	2/23/93	1958	27°28.01	95°29.97	T-7	08-085	2/17/93	1508	27°52.95	91°30.02	T-10
02-017	2/23/93	1837	27°36.53	95°30.05	T-7	09-088	2/17/93	0704	28°03.00	90°49.90	T-10
02-018	2/23/93	1740	27°41.51	95°29.99	T-7	09-089	2/17/93	0639	28°00.00	90°49.90	T-7
02-019	2/23/93	1734	27°42.01	95°29.99	T-10	09-090	2/17/93	0514	27°52.00	90°50.00	T-7
03-022	2/23/93	1045	27°51.49	94°50	T-10	09-091	2/17/93	0414	27°45.90	90°50.00	T-7
03-023	2/23/93	1018	27°49.02	94°50.03	T-7	09-092	2/17/93	0308	27°39.50	90°50.00	T-20
03-024	2/23/93	0912	27°41.97	94°49.98	T-7	09-094	2/16/93	2154	27°15.97	90°49.99	T-20
03-025	2/23/93	0753	27°34.07	94°50	T-7	10-098	2/16/93	0937	27°11.26	90°10.05	T-20
03-027	2/23/93	0500	27°23.10	94°49.99	T-7	10-099	2/16/93	0504	27°39.90	90°09.90	T-20
03-028	2/22/93	0149	27°03.83	94°49.99	T-7	10-101	2/16/93	0230	27°50.14	90°09.95	T-7
04-Ex7	2/22/93	0002	27°36.00	94°10	T-7	10-102	2/16/93	0021	28°02.02	90°10.07	T-7
04-032	2/22/93	0553	26°37.04	94°09.98	T-20	10-103	2/15/93	2358	28°04.05	90°09.94	T-7
04-037	2/21/93	1928	27°30.06	94°09.94	T-20	10-104	2/15/93	2207	28°09.46	90°10.14	T-10
04-038	2/21/93	1809	27°38.00	94°09.98	T-7	11-107	2/15/93	1059	28°36.14	89°30.02	T-10
04-039	2/21/93	1740	27°41.01	94°09.97	T-7	11-108	2/15/93	1023	28°31.99	89°30.00	T-7
04-040	2/21/93	1709	27°44.01	94°10.02	T-7	11-109	2/15/93	0947	28°28.00	89°30.00	T-7
04-041	2/21/93	1615	27°49.51	94°09.99	T-10	11-110	2/15/93	0851	28°21.50	89°30.08	T-7
05-044	2/21/93	0850	27°37.96	93°30.01	T-10	11-111	2/15/93	0755	28°15.00	89°29.90	T-20
05-045	2/21/93	0633	27°34.91	93°29.99	T-7	11-113	2/15/93	0100	27°38.00	89°30.00	T-20
05-046	2/21/93	0611	27°33.00	93°29.90	T-7	12-Ex2	2/14/93	1048	28°02.23	88°50.69	T-7
05-048	2/21/93	0330	27°21.08	93°29.96	T-7	12-118	2/14/93	0850	28°14.50	88°49.92	T-20
05-049	2/21/93	0100	27°06.00	93°29.90	T-20	12-Ex1	2/14/93	0325	28°42.52	88°50.02	T-7
05-051	2/20/93	2004	26°43.13	93°30.02	T-20	12-120	2/14/93	0309	28°43.50	88°50.00	T-20
06-056	2/20/93	0141	26°52.00	92°49.98	T-20	12-121	2/14/93	0236	28°47.00	88°50.00	T-7
06-Ex6	2/19/93	2148	27°07.13	92°00.60	T-7	12-122	2/14/93	0141	28°53.00	88°50.00	T-7
06-058	2/19/93	2121	27°18.81	92°50	T-20	12-123*	2/14/93	0117	28°56.00	88°50.00	T-7
06-060	2/19/93	1745	27°33.77	92°49.55	T-7	12-124	2/14/93	0037	29°00.10	88°50.00	T-10
06-Ex5	2/19/93	1704	27°35.38	92°50.24	T-7	13-127	2/13/93	1755	29°12.95	88°10.04	T-10
06-061*	2/19/93	1605	27°41.03	92°50	T-7	13-128	2/13/93	1731	29°10.49	88°10.09	T-7
06-062	2/19/93	1545	27°43.01	92°50	T-7	13-129	2/13/93	1712	29°08.43	88°10.00	T-7
06-063	2/19/93	1351	27°54.50	92°50.01	T-10	13-130	2/13/93	1640	29°04.95	88°10.00	T-7
07-066	2/19/93	0647	27°52.90	92°10.02	T-10	13-131*	2/13/93	1620	29°03.03	88°10.01	T-20
07-067	2/19/93	0635	27°52.20	92°09.95	T-7	13-132	2/13/93	1402	28°49.00	88°10.00	T-20
07-068	2/19/93	0530	27°44.80	92°10.01	T-7	14-137	2/12/93	2020	29°04.03	87°29.93	T-20
07-069	2/19/93	0414	27°37.00	92°09.97	T-7	14-138	2/12/93	1834	29°15.03	87°30.02	T-20
07-070	2/19/93	0305	27°29.40	92°09.96	T-20	14-139	2/12/93	1815	29°16.92	87°29.98	T-7
07-072	2/18/93	2308	27°10.01	92°09.97	T-20	14-140	2/12/93	1745	29°20.00	87°29.99	T-7
07-Ex3	2/18/93	2352	27°14.01	92°10.08	T-7	14-141	2/12/93	1724	29°21.00	87°29.00	T-7
08-079	2/17/93	2100	27°23.00	91°30.00	T-20	14-142	2/12/93	1650	29°24.95	87°29.99	T-10
08-081	2/17/93	1817	27°33.02	91°30.01	T-20	NL-Ex6	2/19/93	2148	27°07.13	92°00.60	T-20

Note: \* "bad" probe

Table 2. Cruise 04 CTD Station Positions

Station	Date	Time	Latitude	Longitude	Station	Date	Time	Latitude	Longitude
02-010	2/24/93	1452	26°00.02	95°30.02	07-075	2/18/93	1005	26°17.00	92°10.13
02-013	2/24/93	0400	26°46.00	95°29.97	08-076	2/18/93	0440	26°36.99	91°29.99
02-015	2/23/93	2018	27°26.02	95°29.97	08-080	2/17/93	1931	27°25.83	91°30.11
02-020	2/23/93	1627	27°47.00	95°30.02	08-086	2/17/93	1225	28°07.62	91°30.11
03-021	2/23/93	1046	27°56.07	94°50.00	09-087	2/17/93	0818	28°09.02	90°50.26
03-026	2/23/93	0550	27°26.00	94°49.91	09-093	2/16/93	2336	27°25.79	90°50.04
03-029	2/22/93	2137	26°45.89	94°50.02	09-096	2/16/93	1544	26°44.98	90°50.02
03-030	2/22/93	1500	26°16.96	94°50.05	10-097	2/16/93	0956	27°09.75	90°09.99
04-031	2/22/93	0914	26°16.70	94°10.12	10-100	2/16/93	0310	27°45.90	90°09.97
04-033	2/22/93	0325	26°45.98	94°09.95	10-105	2/15/93	1908	28°15.87	90°10.01
04-036	2/21/93	2008	27°25.91	94°10.01	11-106	2/15/93	1230	28°45.03	89°29.99
04-042	2/21/93	1510	27°53.95	94°10.01	11-112	2/15/93	0552	28°06.13	89°30.08
05-043	2/21/93	1042	27°53.95	94°10.01	11-115	2/14/93	2200	27°27.11	89°30.16
05-047	2/21/93	0427	27°26.01	93°30.00	12-116	2/14/93	1749	27°25.99	88°50.10
05-050	2/20/93	2035	26°46.04	93°29.98	12-117	2/14/93	1328	27°46.01	88°49.99
05-053	2/20/93	1340	26°10.04	93°30.05	12-119	2/14/93	0608	28°26.00	88°50.00
06-054	2/20/93	0852	26°13.97	92°49.88	12-125	2/13/93	2305	29°06.48	88°49.85
06-055	2/20/93	0245	26°45.88	92°49.93	13-126	2/13/93	1829	29°16.56	88°10.06
06-059	2/19/93	1921	27°26.01	92°49.97	13-133	2/13/93	1227	28°46.20	88°09.85
06-064	2/19/93	1210	28°02.00	92°50.08	13-134	2/13/93	0916	28°36.90	88°10.00
07-065	2/19/93	0809	28°02.08	92°09.97	14-135	2/13/93	0310	28°30.92	87°29.94
07-071	2/19/93	0140	27°26.00	92°10.10	14-136	2/12/93	2323	28°45.95	87°29.92
07-073	2/18/93	1600	26°45.99	92°10.05	14-143	2/12/93	1530	29°27.00	87°30.00

## TEMPERATURE AND SALINITY

Figure 2. 15°C Isotherm depth map

Depth of 15 °C Isotherm (m)

GulfCet 04

5.2.4

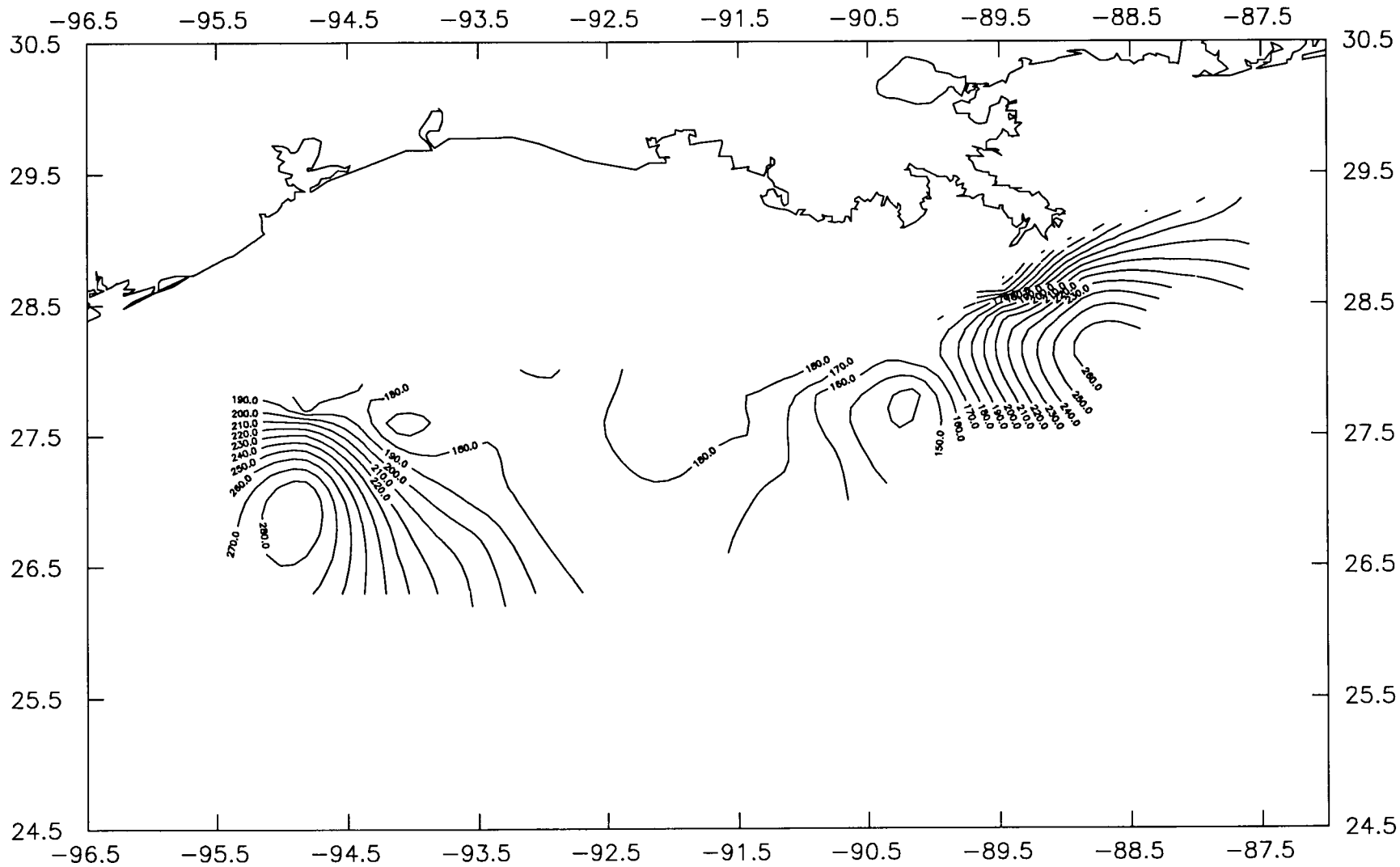


Figure 3. 20°C Isotherm depth map

Depth of 20 °C Isotherm (m)

GulfCet 04

525

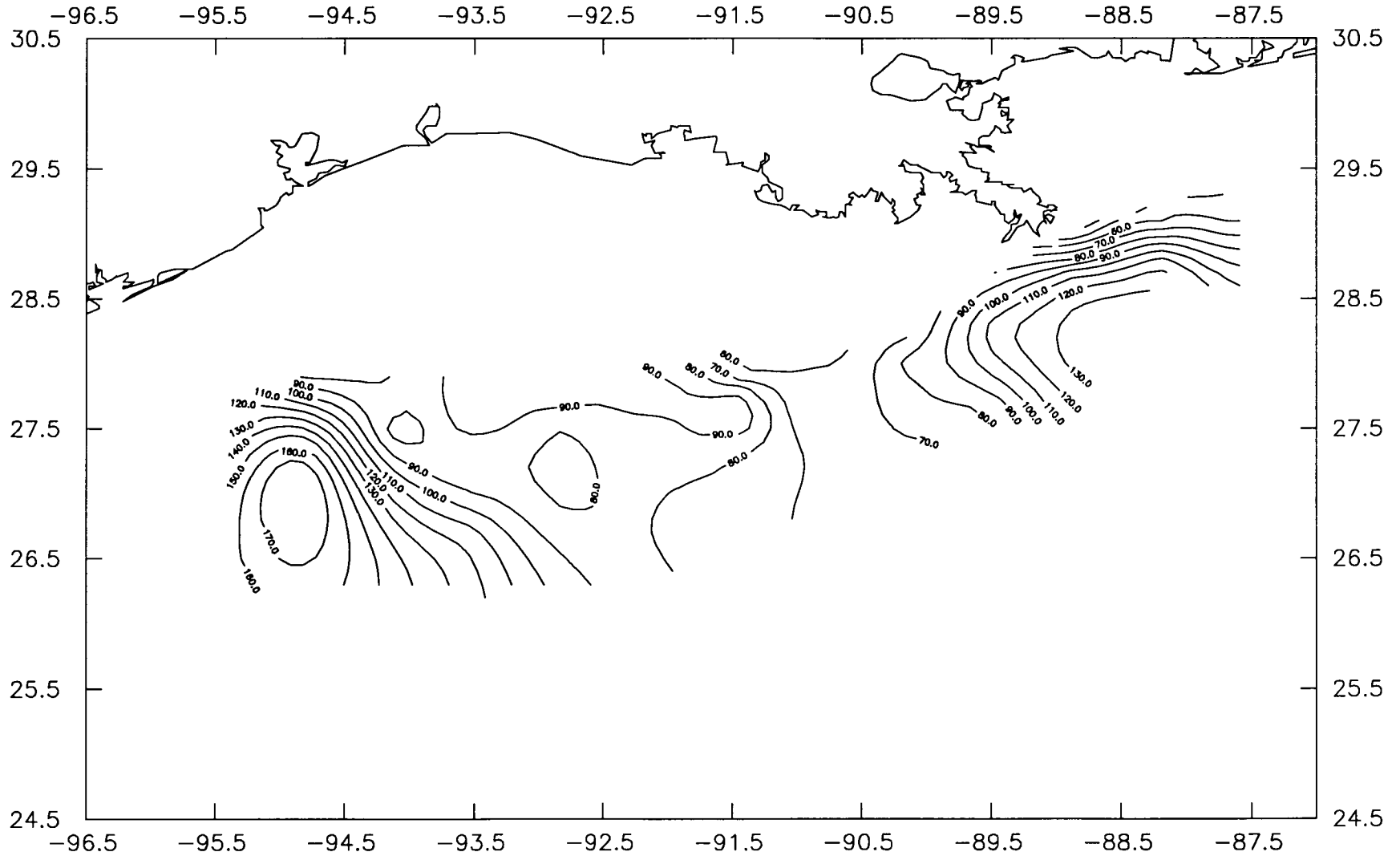


Figure 4. Sea surface temperatures (°C) : XBT versus MIDAS

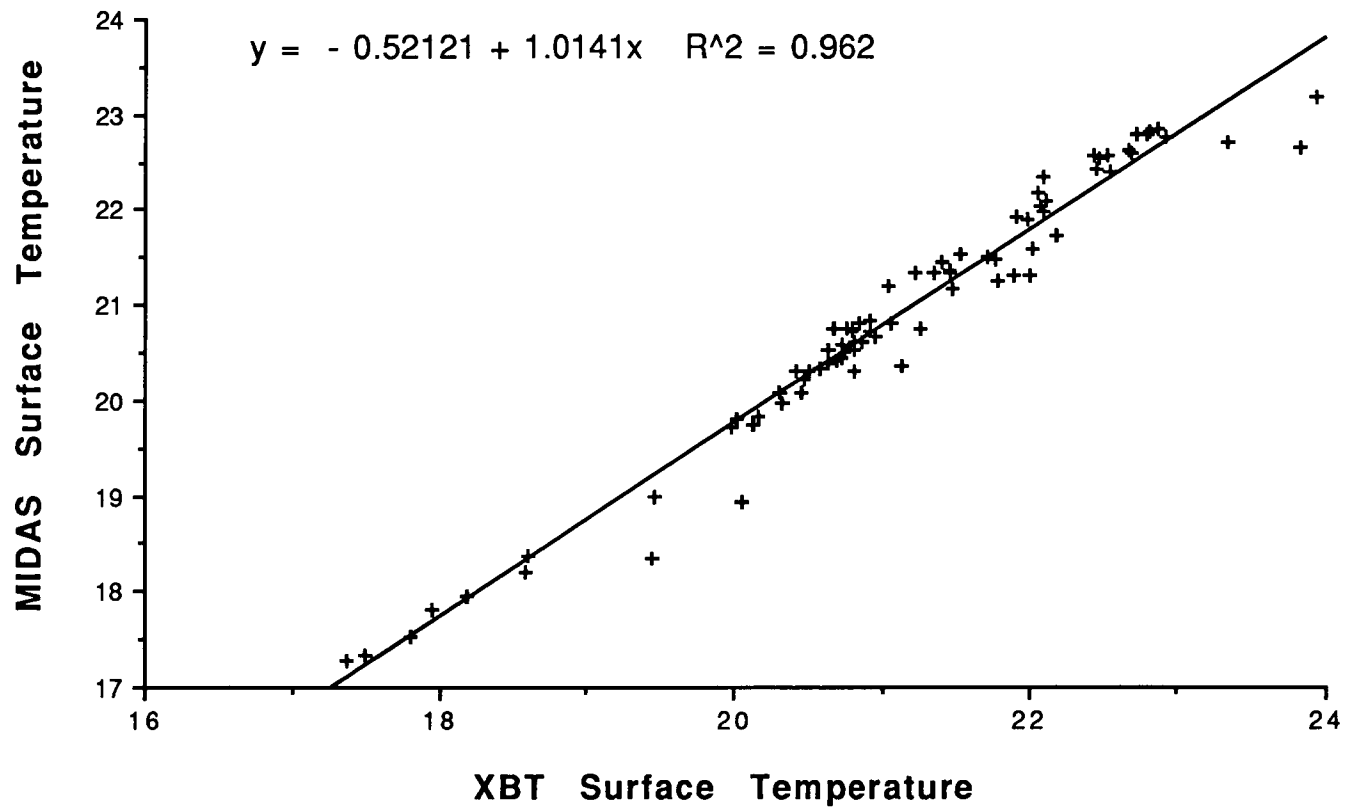




Figure 5. Sea surface temperature (°C) : CTD versus MIDAS

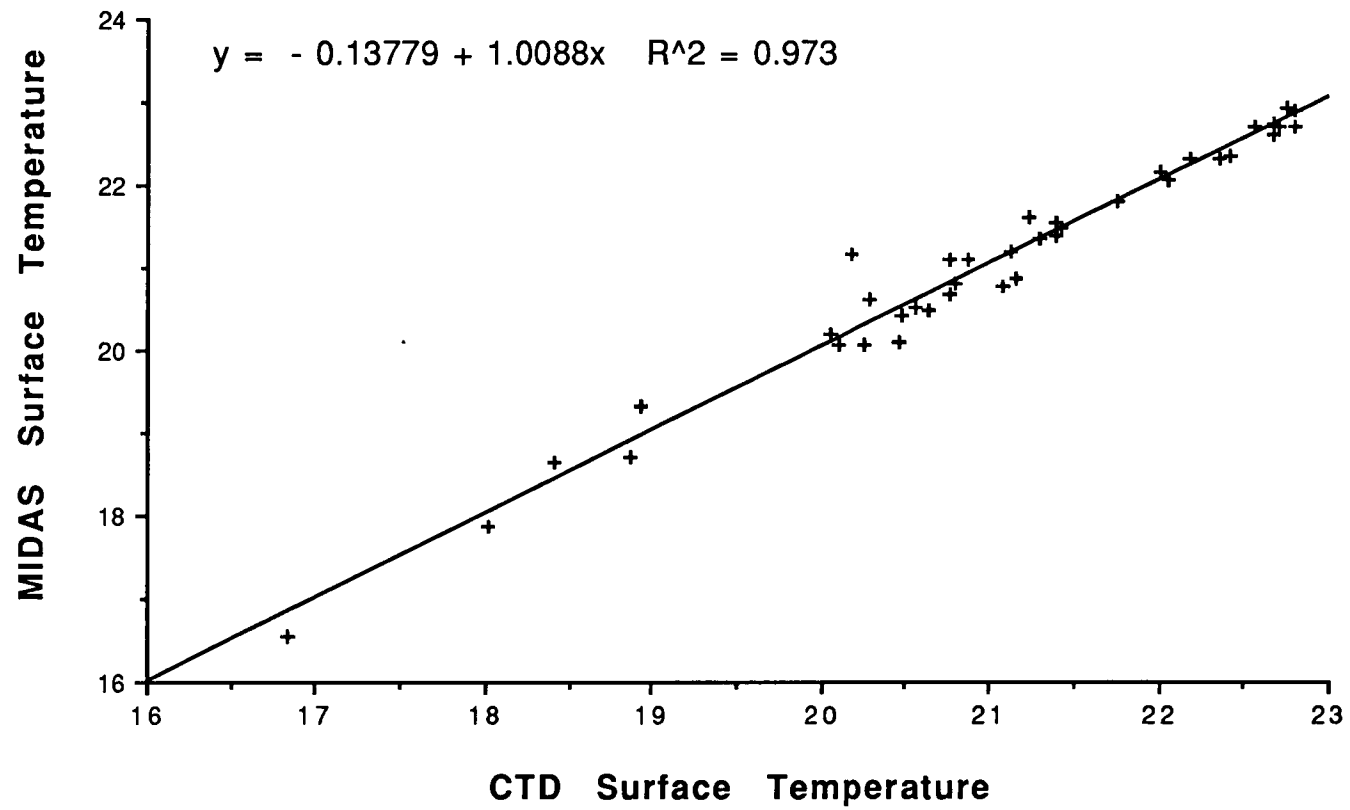


Figure 6. CTD station 05-050 temperature versus XBT station 05-051 (2.91 miles separation between stations)

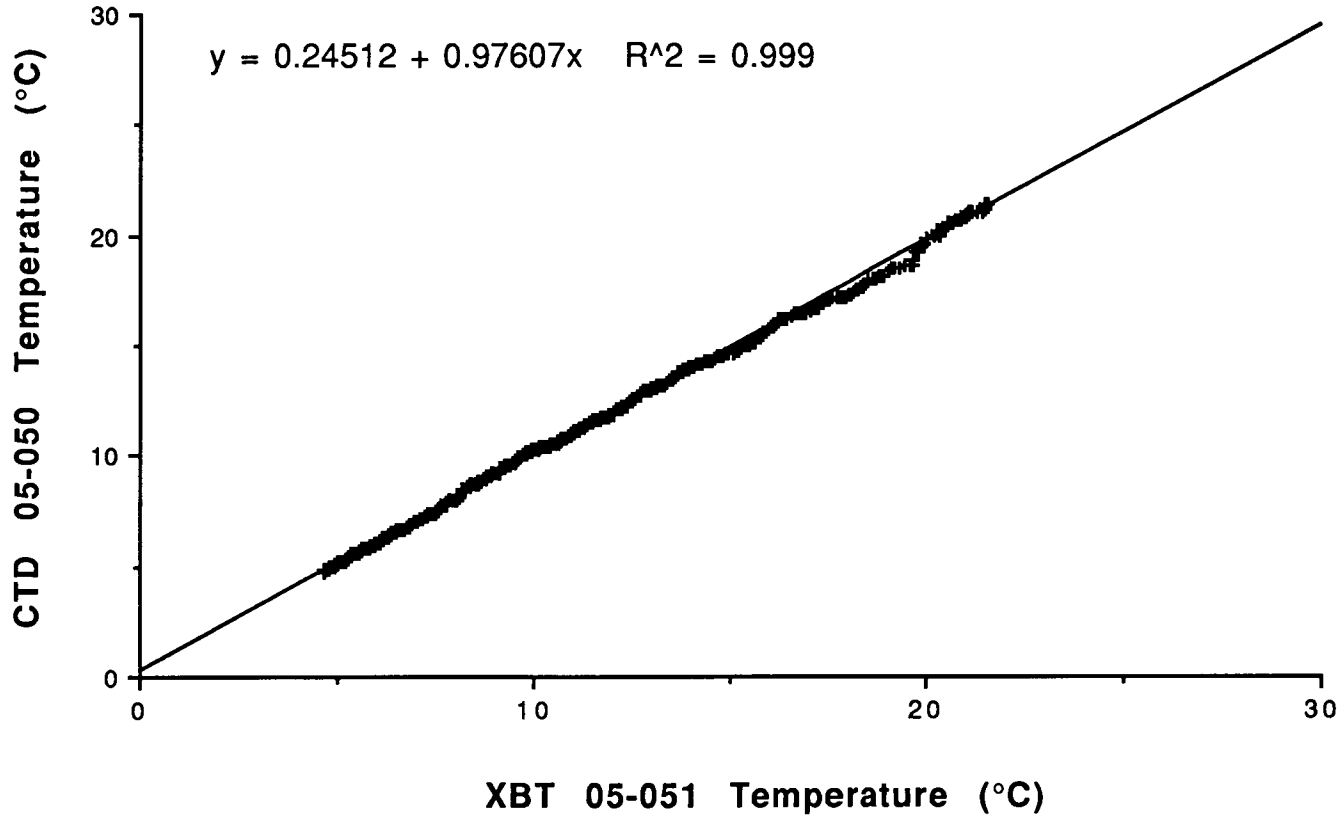


Figure 7. Bottle Salinity versus CTD Salinity

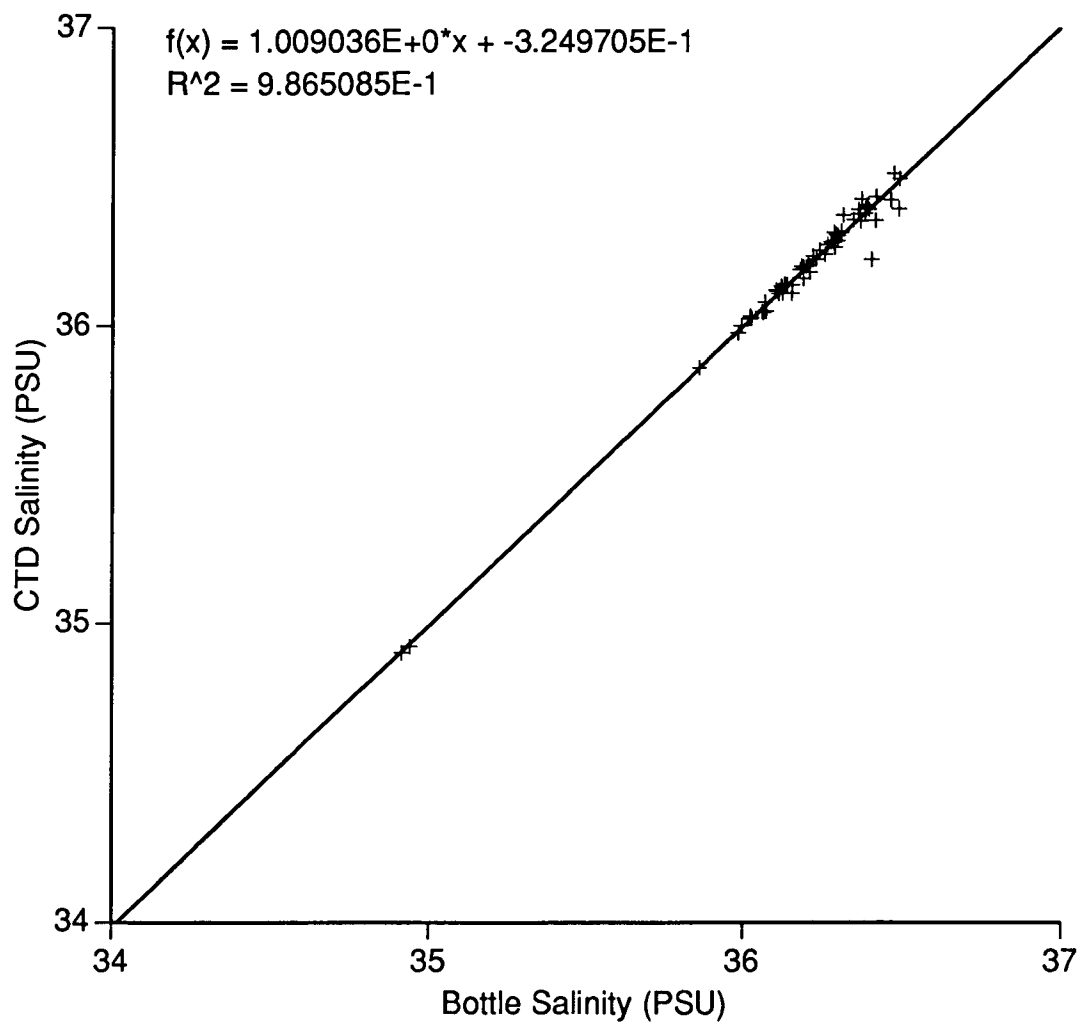
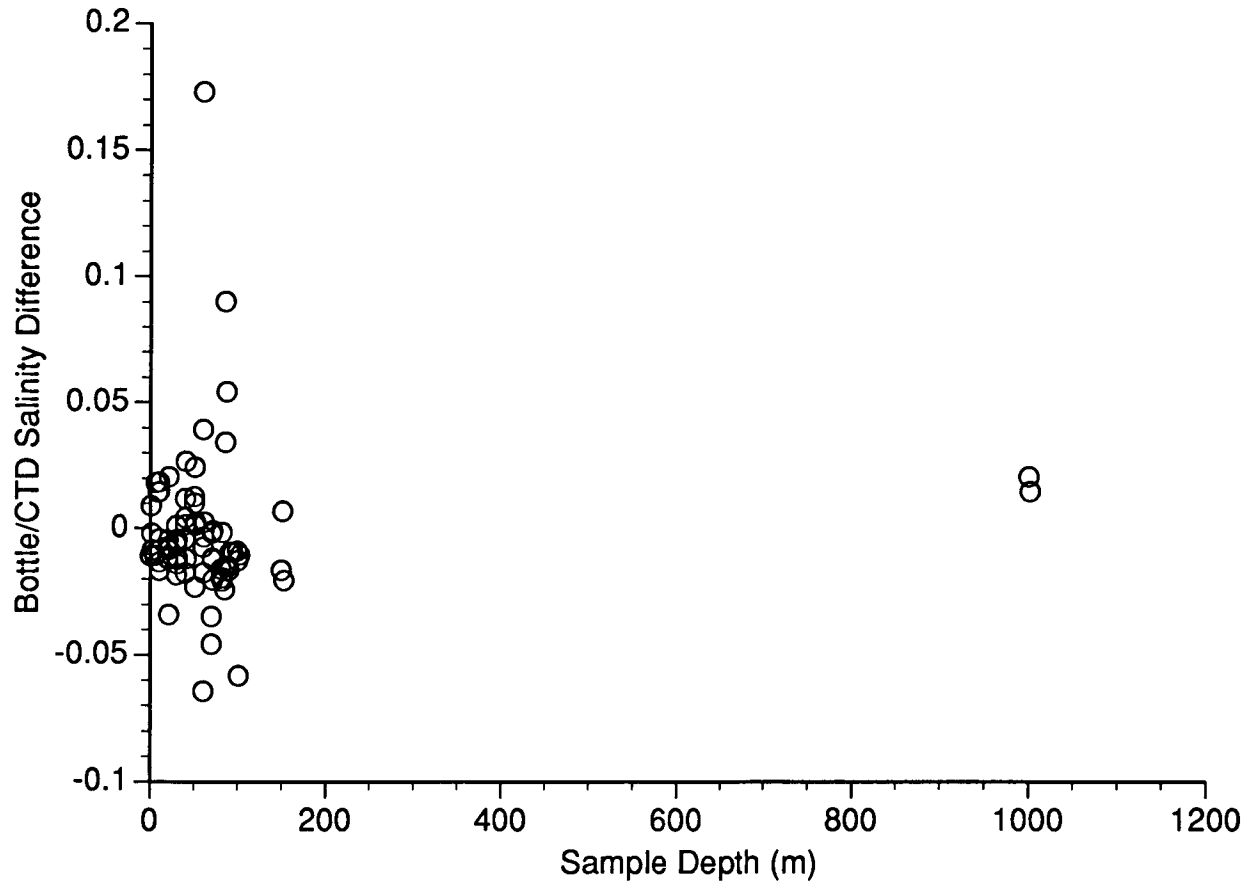


Figure 8. Sample Depth versus Bottle/CTD Salinity Difference



### **3.1.5 Cruise 5**

## PERSONNEL

### *GulfCet Cruise 05 Personnel:*

#### Ship's Captain:

Chris Riffe, R/V *Pelican*

#### Chief Scientist:

Jeff Norris

TAMU, Research Associate

#### Scientific Staff:

Tom Jefferson  
Logan Respass  
Mike Duncan  
Laura Sharp  
Brian Wilson  
David Weller  
Luis Montagno  
Andy Schiro  
Mary Howley  
Shane Collier  
Ann Werner  
Bill Stevens  
Ronnie Carroll

TAMU, Graduate Student  
TAMUG, Marine Technician  
TAMU, Graduate Student  
Intern  
TAMUG, Student  
TAMU, Graduate Student  
Volunteer  
Volunteer  
TAMUG, Clerk  
TAMUG, Student  
TAMU, Graduate Student  
TAMUG, Marine Technician  
Volunteer

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respass

TAMUG, Marine Technician

#### Data Processing and Programming:

David Brandon  
Ted Engelhardt

TAMUG, Computer Programmer  
TAMUG, Clerk

#### Report Writing and Quality Assurance:

Giulietta Fargion  
Cheryl Schroeder

TAMUG, GulfCet PI, Research Associate Specialist  
TAMUG, Student

**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

**-DATA SUMMARY TABLES**

**Cruise:** GULFCET 05  
**Latitude:** 27° 51.50' N

**Station:** 03-022  
**Longitude:** 94° 49.93' W

**Probe Type:** T-10  
**Date:** 2-Jun-1993

**Time:** 0350

Depth (m)	Temp. (°C)
0.00	25.70
10.00	25.58
20.00	24.77
30.00	24.14
40.00	21.84
50.00	20.49
60.00	19.47
70.00	19.42
80.00	19.54
90.00	19.35
100.00	18.86
110.00	18.45
120.00	18.21
130.00	17.72
140.00	17.25
150.00	16.72
160.00	16.32
170.00	15.75
180.00	14.91

**Cruise:** GULFCET 05  
**Latitude:** 27° 49.00' N

**Station:** 03-023  
**Longitude:** 94° 50.01' W

**Probe Type:** T-7  
**Date:** 2-Jun-1993

**Time:** 0328

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.76	310.00	11.37
10.00	25.33	320.00	11.19
20.00	24.06	330.00	11.11
30.00	23.96		
40.00	22.36		
50.00	20.48		
60.00	19.69		
70.00	19.46		
80.00	19.73		
90.00	19.43		
100.00	18.59		
110.00	17.99		
120.00	17.55		
130.00	16.97		
140.00	16.37		
150.00	16.09		
160.00	15.75		
170.00	15.34		
180.00	15.01		
190.00	14.56		
200.00	13.97		
210.00	13.91		
220.00	13.68		
230.00	13.44		
240.00	13.26		
250.00	13.07		
260.00	12.72		
270.00	12.42		
280.00	11.88		
290.00	11.75		
300.00	11.47		



**Cruise:** GULFCET 05  
**Latitude:** 27° 42.00' N

**Station:** 03-024  
**Longitude:** 94° 50.00' W

**Probe Type:** T-7  
**Date:** 2-Jun-1993

**Time:** 0129

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.71	310.00	11.23
10.00	25.57	320.00	10.99
20.00	24.78	330.00	10.93
30.00	23.49	340.00	10.80
40.00	23.06	350.00	10.52
50.00	22.68		
60.00	21.69		
70.00	20.66		
80.00	19.91		
90.00	19.24		
100.00	18.55		
110.00	17.85		
120.00	17.26		
130.00	16.66		
140.00	16.24		
150.00	15.99		
160.00	15.61		
170.00	15.27		
180.00	14.88		
190.00	14.46		
200.00	14.08		
210.00	13.96		
220.00	13.56		
230.00	13.25		
240.00	12.93		
250.00	12.79		
260.00	12.57		
270.00	12.31		
280.00	11.92		
290.00	11.81		
300.00	11.52		

**Cruise:** GULFCET 05  
**Latitude:** 27° 34.00' N

**Station:** 03-025  
**Longitude:** 94° 50.03' W

**Probe Type:** T-7  
**Date:** 2-Jun-1993

**Time:** 0124

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.46	310.00	11.54	610.00	6.96
10.00	25.22	320.00	11.30		
20.00	24.71	330.00	11.14		
30.00	24.93	340.00	10.96		
40.00	24.72	350.00	10.74		
50.00	23.11	360.00	10.49		
60.00	22.51	370.00	10.15		
70.00	21.29	380.00	10.08		
80.00	20.05	390.00	9.71		
90.00	19.12	400.00	9.39		
100.00	18.41	410.00	9.04		
110.00	17.88	420.00	8.98		
120.00	17.17	430.00	8.87		
130.00	16.87	440.00	8.68		
140.00	16.57	450.00	8.56		
150.00	16.19	460.00	8.39		
160.00	15.92	470.00	8.27		
170.00	15.46	480.00	8.08		
180.00	15.14	490.00	8.02		
190.00	14.77	500.00	8.03		
200.00	14.27	510.00	7.99		
210.00	14.07	520.00	7.90		
220.00	13.74	530.00	7.82		
230.00	13.43	540.00	7.64		
240.00	13.05	550.00	7.28		
250.00	12.83	560.00	7.22		
260.00	12.57	570.00	7.15		
270.00	12.34	580.00	7.08		
280.00	12.13	590.00	7.08		
290.00	11.99	600.00	7.03		
300.00	11.71				

Cruise: GULFCET 05  
Latitude: 27° 23.23' N

Station: 03-027  
Longitude: 94° 50.00' W

Probe Type: T-20  
Date: 2-Jun-1993 Time: 2328

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.79	310.00	11.04	610.00	7.11
10.00	25.55	320.00	10.88	620.00	7.02
20.00	25.05	330.00	10.74	630.00	6.92
30.00	24.94	340.00	10.47	640.00	6.87
40.00	24.49	350.00	10.32	650.00	6.72
50.00	23.31	360.00	10.20	660.00	6.63
60.00	21.56	370.00	10.03	670.00	6.56
70.00	21.86	380.00	9.87	680.00	6.50
80.00	20.44	390.00	9.76	690.00	6.44
90.00	18.72	400.00	9.53	700.00	6.34
100.00	18.26	410.00	9.39	710.00	6.25
110.00	17.49	420.00	9.24	720.00	6.12
120.00	17.14	430.00	9.05	730.00	6.00
130.00	16.67	440.00	8.82	740.00	5.93
140.00	16.20	450.00	8.65	750.00	5.83
150.00	15.75	460.00	8.50	760.00	5.78
160.00	15.27	470.00	8.43	770.00	5.73
170.00	14.91	480.00	8.37	780.00	5.67
180.00	14.61	490.00	8.33	790.00	5.64
190.00	14.22	500.00	8.24	800.00	5.63
200.00	13.94	510.00	8.14	810.00	5.58
210.00	13.50	520.00	7.99	820.00	5.57
220.00	13.21	530.00	7.79	830.00	5.54
230.00	12.91	540.00	7.70	840.00	5.51
240.00	12.64	550.00	7.56	850.00	5.46
250.00	12.48	560.00	7.50	860.00	5.38
260.00	12.14	570.00	7.41	870.00	5.33
270.00	11.84	580.00	7.36	880.00	5.22
280.00	11.71	590.00	7.26	890.00	5.20
290.00	11.40	600.00	7.18	900.00	5.18
300.00	11.18				

Cruise: GULFCET 05  
Latitude: 26° 21.87' N

Station: 03-EX3  
Longitude: 94° 52.70' W

Probe Type: T-7  
Date: 2-Jun-1993 Time: 1309

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.99	310.00	10.84	610.00	6.11
10.00	24.73	320.00	10.63	620.00	6.06
20.00	24.25	330.00	10.51	630.00	6.01
30.00	23.47	340.00	10.19	640.00	5.88
40.00	23.06	350.00	10.18	650.00	5.80
50.00	22.31	360.00	9.81	660.00	5.76
60.00	22.09	370.00	9.49	670.00	5.71
70.00	20.41	380.00	9.44	680.00	5.69
80.00	20.20	390.00	9.30	690.00	5.63
90.00	19.86	400.00	9.01	700.00	5.60
100.00	19.39	410.00	8.81	710.00	5.53
110.00	18.30	420.00	8.56	720.00	5.47
120.00	17.73	430.00	8.43	730.00	5.46
130.00	17.16	440.00	8.16	740.00	5.43
140.00	16.44	450.00	7.88	750.00	5.38
150.00	15.91	460.00	7.79	760.00	5.31
160.00	15.71	470.00	7.60	770.00	5.22
170.00	14.95	480.00	7.37	780.00	5.18
180.00	14.71	490.00	7.20	790.00	5.14
190.00	14.32	500.00	7.10	800.00	5.10
200.00	14.04	510.00	6.99	810.00	5.08
210.00	13.59	520.00	6.94	820.00	5.07
220.00	13.43	530.00	6.75		
230.00	13.15	540.00	6.66		
240.00	12.71	550.00	6.63		
250.00	12.50	560.00	6.58		
260.00	12.26	570.00	6.49		
270.00	11.89	580.00	6.38		
280.00	11.59	590.00	6.28		
290.00	11.32	600.00	6.24		
300.00	11.03				

Cruise: GULFCET 05  
Latitude: 26° 37.00' N

Station: 04-032  
Longitude: 94° 10.06' W

Probe Type: T-20  
Date: 2-Jun-1993 Time: 0416

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.89	310.00	10.48
10.00	25.46	320.00	10.26
20.00	24.20	330.00	10.05
30.00	22.77	340.00	9.88
40.00	21.97	350.00	9.72
50.00	21.18	360.00	9.42
60.00	20.61	370.00	9.23
70.00	19.98	380.00	9.04
80.00	19.09	390.00	8.79
90.00	18.65	400.00	8.87
100.00	17.93		
110.00	17.34		
120.00	16.75		
130.00	16.18		
140.00	15.62		
150.00	15.13		
160.00	14.70		
170.00	14.27		
180.00	13.86		
190.00	13.56		
200.00	13.12		
210.00	12.82		
220.00	12.54		
230.00	12.30		
240.00	12.00		
250.00	11.71		
260.00	11.48		
270.00	11.34		
280.00	11.04		
290.00	10.80		
300.00	10.64		

Cruise: GULFCET 05  
Latitude: 27° 38.07' N

Station: 04-038  
Longitude: 94° 09.99' W

Probe Type: T-7  
Date: 1-Jun-1993 Time: 1623

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.51	310.00	11.55	610.00	7.38
10.00	25.20	320.00	11.37	620.00	7.16
20.00	24.20	330.00	11.11	630.00	6.99
30.00	22.33	340.00	10.90	640.00	6.93
40.00	21.06	350.00	10.70	650.00	6.78
50.00	20.47	360.00	10.53	660.00	6.69
60.00	19.80	370.00	10.38	670.00	6.65
70.00	19.40	380.00	10.21	680.00	6.54
80.00	18.72	390.00	10.05	690.00	6.44
90.00	18.01	400.00	9.94	700.00	6.36
100.00	17.39	410.00	9.71	710.00	6.32
110.00	16.71	420.00	9.41		
120.00	16.43	430.00	9.20		
130.00	16.19	440.00	8.95		
140.00	15.89	450.00	8.82		
150.00	15.46	460.00	8.73		
160.00	15.14	470.00	8.65		
170.00	14.95	480.00	8.51		
180.00	14.62	490.00	8.45		
190.00	14.54	500.00	8.40		
200.00	14.30	510.00	8.30		
210.00	14.02	520.00	8.22		
220.00	13.73	530.00	8.07		
230.00	13.47	540.00	7.99		
240.00	13.28	550.00	7.91		
250.00	13.10	560.00	7.85		
260.00	12.92	570.00	7.80		
270.00	12.67	580.00	7.68		
280.00	12.38	590.00	7.58		
290.00	11.97	600.00	7.45		
300.00	11.72				

**Cruise:** GULFCET 05  
**Latitude:** 27° 40.98' N

**Station:** 04-039  
**Longitude:** 94° 10.00' W

**Probe Type:** T-7  
**Date:** 1-Jun-1993

**Time:** 1557

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.18	310.00	11.59
10.00	24.80	320.00	11.38
20.00	23.88	330.00	11.11
30.00	22.03	340.00	10.90
40.00	20.71	350.00	10.81
50.00	20.36	360.00	10.58
60.00	19.85	370.00	10.41
70.00	19.45	380.00	10.10
80.00	18.76	390.00	9.59
90.00	17.90	400.00	9.54
100.00	17.59	410.00	9.52
110.00	17.38	420.00	9.33
120.00	16.70	430.00	9.25
130.00	16.42	440.00	9.15
140.00	16.02	450.00	9.01
150.00	15.70	460.00	8.94
160.00	15.24	470.00	8.70
170.00	14.96	480.00	8.58
180.00	14.79	490.00	8.51
190.00	14.50	500.00	8.39
200.00	14.28	510.00	8.32
210.00	14.01	520.00	8.25
220.00	13.77	530.00	8.20
230.00	13.57	540.00	8.04
240.00	13.34		
250.00	13.21		
260.00	12.70		
270.00	12.42		
280.00	12.14		
290.00	11.95		
300.00	11.72		

**Cruise:** GULFCET 05  
**Latitude:** 27° 44.02' N

**Station:** 04-040  
**Longitude:** 94° 10.03' W

**Probe Type:** T-7  
**Date:** 1-Jun-1993

**Time:** 1531

Depth (m)	Temp. (°C)
0.00	25.24
10.00	25.02
20.00	24.44
30.00	22.20
40.00	21.42
50.00	20.67
60.00	20.12
70.00	19.49
80.00	19.06
90.00	18.66
100.00	17.82
110.00	17.56
120.00	17.26
130.00	16.99
140.00	16.69
150.00	16.15
160.00	15.87
170.00	15.51
180.00	15.19
190.00	14.77
200.00	14.46
210.00	14.17
220.00	13.80
230.00	13.64
240.00	13.44
250.00	13.16
260.00	12.96
270.00	12.76
280.00	12.54
290.00	12.17
300.00	11.70

Cruise: GULFCET 05  
Latitude: 27° 49.50' N

Station: 04-041  
Longitude: 94° 09.99' W

Probe Type: T-10  
Date: 1-Jun-1993 Time: 1445

Depth (m)	Temp. (°C)
0.00	25.05
10.00	24.81
20.00	23.88
30.00	21.16
40.00	21.16
50.00	20.22
60.00	19.45
70.00	19.25
80.00	18.99
90.00	18.74
100.00	18.51
110.00	18.13
120.00	17.66
130.00	17.19
140.00	16.82
150.00	16.61
160.00	16.30
170.00	15.82
180.00	15.64
190.00	15.43

Cruise: GULFCET 05  
Latitude: 27° 31.00' N

Station: 04-EX2  
Longitude: 94° 13.00' W

Probe Type: T-7  
Date: 1-Jun-1993 Time: 1805

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.57	310.00	11.25	610.00	6.88
10.00	25.17	320.00	10.99	620.00	6.82
20.00	23.94	330.00	10.76	630.00	6.75
30.00	21.98	340.00	10.63	640.00	6.66
40.00	21.60	350.00	10.39	650.00	6.59
50.00	20.48	360.00	10.21	660.00	6.50
60.00	19.98	370.00	9.96	670.00	6.41
70.00	19.50	380.00	9.67	680.00	6.31
80.00	18.97	390.00	9.47	690.00	6.22
90.00	18.45	400.00	9.33	700.00	6.12
100.00	17.82	410.00	9.22	710.00	5.98
110.00	17.36	420.00	9.18	720.00	5.89
120.00	16.90	430.00	9.11	730.00	5.82
130.00	16.46	440.00	9.05	740.00	5.76
140.00	15.99	450.00	8.95		
150.00	15.68	460.00	8.71		
160.00	15.27	470.00	8.65		
170.00	14.92	480.00	8.55		
180.00	14.73	490.00	8.35		
190.00	14.44	500.00	8.28		
200.00	14.16	510.00	8.24		
210.00	13.90	520.00	8.06		
220.00	13.64	530.00	7.86		
230.00	13.26	540.00	7.72		
240.00	13.08	550.00	7.59		
250.00	12.86	560.00	7.51		
260.00	12.47	570.00	7.49		
270.00	12.15	580.00	7.32		
280.00	11.97	590.00	7.24		
290.00	11.77	600.00	6.99		
300.00	11.46				

**Cruise:** GULFCET 05  
**Latitude:** 27° 49.00' N

**Station:** 05-044  
**Longitude:** 93° 30.01' W

**Probe Type:** T-10  
**Date:** 1-Jun-1993  
**Time:** 0817

Depth (m)	Temp. (°C)
0.00	25.24
10.00	24.63
20.00	23.90
30.00	22.55
40.00	22.50
50.00	21.29
60.00	20.83
70.00	19.97
80.00	19.80
90.00	19.29
100.00	18.72
110.00	18.26
120.00	17.85
130.00	17.59
140.00	17.39
150.00	17.02
160.00	16.97
170.00	16.63
180.00	16.25
190.00	15.71

**Cruise:** GULFCET 05  
**Latitude:** 27° 35.00' N

**Station:** 05-045  
**Longitude:** 93° 30.01' W

**Probe Type:** T-7  
**Date:** 1-Jun-1993  
**Time:** 0617

Depth (m)	Temp. (°C)
0.00	25.47
10.00	25.08
20.00	24.36
30.00	23.81
40.00	22.84
50.00	22.11
60.00	21.48
70.00	20.82
80.00	20.52
90.00	19.85
100.00	19.52
110.00	18.72
120.00	17.64
130.00	17.14
140.00	16.82
150.00	16.35
160.00	15.87
170.00	15.32
180.00	15.03
190.00	14.81
200.00	14.58
210.00	14.31
220.00	13.84
230.00	13.48
240.00	13.22
250.00	13.10
260.00	12.58
270.00	12.33
280.00	12.19
290.00	12.09
300.00	12.01

Cruise: GULFCET 05  
Latitude: 27° 33.00' N

Station: 05-046  
Longitude: 93° 29.99' W

Probe Type: T-7  
Date: 1-Jun-1993 Time: 0600

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.58	310.00	11.31
10.00	25.03	320.00	11.08
20.00	24.39	330.00	10.85
30.00	23.26	340.00	10.58
40.00	22.48	350.00	10.39
50.00	21.75	360.00	10.12
60.00	21.09	370.00	10.02
70.00	20.92	380.00	9.95
80.00	20.57	390.00	9.90
90.00	20.08	400.00	9.85
100.00	19.51	410.00	9.72
110.00	18.69	420.00	9.34
120.00	17.80		
130.00	17.26		
140.00	16.70		
150.00	16.40		
160.00	16.02		
170.00	15.73		
180.00	15.17		
190.00	14.82		
200.00	14.51		
210.00	14.27		
220.00	14.00		
230.00	13.51		
240.00	13.19		
250.00	12.72		
260.00	12.41		
270.00	12.07		
280.00	11.92		
290.00	11.74		
300.00	11.59		

Cruise: GULFCET 05  
Latitude: 27° 21.01' N

Station: 05-048  
Longitude: 93° 29.90' W

Probe Type: T-7  
Date: 1-Jun-1993 Time: 0341

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.55	310.00	10.77	610.00	6.88
10.00	25.08	320.00	10.49	620.00	6.84
20.00	24.62	330.00	10.35	630.00	6.77
30.00	23.33	340.00	10.15		
40.00	22.95	350.00	9.98		
50.00	22.23	360.00	9.87		
60.00	21.26	370.00	9.60		
70.00	20.38	380.00	9.44		
80.00	20.29	390.00	9.32		
90.00	19.21	400.00	9.22		
100.00	18.52	410.00	9.14		
110.00	17.84	420.00	8.96		
120.00	17.25	430.00	8.78		
130.00	16.88	440.00	8.59		
140.00	16.51	450.00	8.47		
150.00	16.20	460.00	8.29		
160.00	15.78	470.00	8.19		
170.00	15.46	480.00	8.13		
180.00	15.21	490.00	8.07		
190.00	14.89	500.00	7.97		
200.00	14.57	510.00	7.80		
210.00	14.34	520.00	7.77		
220.00	14.04	530.00	7.64		
230.00	13.73	540.00	7.42		
240.00	13.26	550.00	7.36		
250.00	12.91	560.00	7.23		
260.00	12.53	570.00	7.11		
270.00	12.10	580.00	7.06		
280.00	11.90	590.00	6.98		
290.00	11.60	600.00	6.92		
300.00	11.09				

Cruise: GULFCET 05  
Latitude: 27° 6.00' N

Station: 05-049  
Longitude: 93° 29.98' W

Probe Type: T-20  
Date: 1-Jun-1993 Time: 0141

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.71	310.00	10.57	610.00	6.50
10.00	25.45	320.00	10.50	620.00	6.40
20.00	25.01	330.00	10.26	630.00	6.34
30.00	24.66	340.00	10.08	640.00	6.23
40.00	23.22	350.00	9.79	650.00	6.08
50.00	22.29	360.00	9.65	660.00	6.02
60.00	21.39	370.00	9.48	670.00	6.00
70.00	20.62	380.00	9.27	680.00	5.96
80.00	19.57	390.00	9.19	690.00	5.87
90.00	18.90	400.00	8.98	700.00	5.80
100.00	18.12	410.00	8.86	710.00	5.71
110.00	17.27	420.00	8.68	720.00	5.70
120.00	16.79	430.00	8.51	730.00	5.70
130.00	16.22	440.00	8.35	740.00	5.69
140.00	15.66	450.00	8.24	750.00	5.61
150.00	15.08	460.00	8.14		
160.00	14.66	470.00	7.99		
170.00	14.22	480.00	7.83		
180.00	13.74	490.00	7.66		
190.00	13.42	500.00	7.51		
200.00	13.21	510.00	7.33		
210.00	12.84	520.00	7.22		
220.00	12.59	530.00	7.07		
230.00	12.33	540.00	6.95		
240.00	12.04	550.00	6.88		
250.00	11.77	560.00	6.82		
260.00	11.50	570.00	6.75		
270.00	11.26	580.00	6.70		
280.00	11.05	590.00	6.63		
290.00	10.92	600.00	6.54		
300.00	10.76				

Cruise: GULFCET 05  
Latitude: 26° 42.99' N

Station: 05-051  
Longitude: 93° 30.00' W

Probe Type: T-20  
Date: 31-May-1993 Time: 2158

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	26.17	310.00	10.14	610.00	6.21
10.00	25.32	320.00	10.01	620.00	6.14
20.00	23.97	330.00	9.84	630.00	6.05
30.00	22.88	340.00	9.61	640.00	5.99
40.00	22.06	350.00	9.49	650.00	5.93
50.00	21.37	360.00	9.33	660.00	5.86
60.00	20.74	370.00	9.02	670.00	5.82
70.00	20.23	380.00	8.88	680.00	5.78
80.00	19.65	390.00	8.77	690.00	5.73
90.00	18.82	400.00	8.48	700.00	5.71
100.00	17.85	410.00	8.38	710.00	5.67
110.00	17.24	420.00	8.08	720.00	5.61
120.00	16.37	430.00	8.04	730.00	5.55
130.00	15.73	440.00	7.87	740.00	5.53
140.00	15.07	450.00	7.81	750.00	5.46
150.00	14.71	460.00	7.70	760.00	5.43
160.00	14.42	470.00	7.57	770.00	5.39
170.00	14.02	480.00	7.51	780.00	5.33
180.00	13.62	490.00	7.40	790.00	5.31
190.00	13.26	500.00	7.27	800.00	5.26
200.00	13.03	510.00	7.19	810.00	5.23
210.00	12.78	520.00	7.03	820.00	5.19
220.00	12.44	530.00	6.96	830.00	5.16
230.00	12.01	540.00	6.90	840.00	5.05
240.00	11.71	550.00	6.75	850.00	5.04
250.00	11.43	560.00	6.71		
260.00	11.29	570.00	6.63		
270.00	11.00	580.00	6.52		
280.00	10.77	590.00	6.42		
290.00	10.64	600.00	6.30		
300.00	10.31				



Cruise: GULFCET 05  
Latitude: 26° 52.00' N

Station: 06-056  
Longitude: 92° 49.96' W

Probe Type: T-20  
Date: 31-May-1993 Time: 0613

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	26.19	310.00	10.85	610.00	6.45
10.00	25.51	320.00	10.68	620.00	6.35
20.00	24.94	330.00	10.53	630.00	6.29
30.00	23.65	340.00	10.33	640.00	6.21
40.00	22.34	350.00	10.00	650.00	6.14
50.00	21.66	360.00	9.80	660.00	6.10
60.00	21.04	370.00	9.56	670.00	6.07
70.00	20.29	380.00	9.50	680.00	6.01
80.00	19.62	390.00	9.24	690.00	5.94
90.00	18.60	400.00	9.06	700.00	5.85
100.00	17.68	410.00	8.84	710.00	5.81
110.00	17.13	420.00	8.65	720.00	5.72
120.00	16.52	430.00	8.52	730.00	5.63
130.00	16.31	440.00	8.31	740.00	5.59
140.00	15.94	450.00	8.14	750.00	5.55
150.00	15.65	460.00	8.00	760.00	5.50
160.00	15.33	470.00	8.00	770.00	5.47
170.00	15.00	480.00	7.90	780.00	5.46
180.00	14.60	490.00	7.78	790.00	5.38
190.00	14.16	500.00	7.63	800.00	5.35
200.00	13.82	510.00	7.56	810.00	5.31
210.00	13.53	520.00	7.43	820.00	5.28
220.00	13.15	530.00	7.25	830.00	5.24
230.00	12.81	540.00	7.18	840.00	5.18
240.00	12.54	550.00	7.06	850.00	5.14
250.00	12.29	560.00	6.91	860.00	5.11
260.00	11.96	570.00	6.82		
270.00	11.70	580.00	6.72		
280.00	11.46	590.00	6.65		
290.00	11.29	600.00	6.57		
300.00	11.07				

Cruise: GULFCET 05  
Latitude: 27° 19.04' N

Station: 06-058  
Longitude: 92° 50.00' W

Probe Type: T-20  
Date: 31-May-1993 Time: 0233

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	26.11	310.00	11.33	610.00	5.98
10.00	25.52	320.00	11.10	620.00	5.95
20.00	24.84	330.00	10.77		
30.00	24.52	340.00	10.46		
40.00	23.32	350.00	10.07		
50.00	22.57	360.00	9.75		
60.00	21.77	370.00	9.54		
70.00	21.03	380.00	9.35		
80.00	20.32	390.00	9.14		
90.00	19.79	400.00	8.89		
100.00	19.07	410.00	8.57		
110.00	18.38	420.00	8.40		
120.00	17.62	430.00	8.11		
130.00	17.06	440.00	7.87		
140.00	16.50	450.00	7.58		
150.00	16.05	460.00	7.39		
160.00	15.49	470.00	7.20		
170.00	15.18	480.00	7.07		
180.00	14.87	490.00	6.85		
190.00	14.55	500.00	6.69		
200.00	14.38	510.00	6.62		
210.00	14.09	520.00	6.51		
220.00	13.81	530.00	6.41		
230.00	13.46	540.00	6.35		
240.00	13.17	550.00	6.29		
250.00	12.95	560.00	6.22		
260.00	12.68	570.00	6.21		
270.00	12.44	580.00	6.13		
280.00	12.25	590.00	6.06		
290.00	11.92	600.00	6.04		
300.00	11.61				

**Cruise:** GULFCET 05  
**Latitude:** 27° 34.50' N

**Station:** 06-060  
**Longitude:** 92° 50.00' W

**Probe Type:** T-7  
**Date:** 30-May-1993 **Time:** 2355

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.69	310.00	10.83	610.00	6.75
10.00	25.06	320.00	10.70	620.00	6.57
20.00	24.71	330.00	10.47	630.00	6.46
30.00	23.89	340.00	10.17		
40.00	23.26	350.00	10.07		
50.00	22.48	360.00	9.93		
60.00	21.47	370.00	9.76		
70.00	20.66	380.00	9.62		
80.00	19.93	390.00	9.35		
90.00	19.13	400.00	9.22		
100.00	18.24	410.00	9.11		
110.00	17.79	420.00	8.96		
120.00	17.19	430.00	8.79		
130.00	16.63	440.00	8.53		
140.00	16.04	450.00	8.40		
150.00	15.50	460.00	8.29		
160.00	15.04	470.00	8.17		
170.00	14.72	480.00	8.09		
180.00	14.43	490.00	8.01		
190.00	14.08	500.00	7.88		
200.00	13.85	510.00	7.77		
210.00	13.62	520.00	7.64		
220.00	13.32	530.00	7.56		
230.00	12.98	540.00	7.44		
240.00	12.61	550.00	7.31		
250.00	12.38	560.00	7.16		
260.00	12.09	570.00	7.09		
270.00	11.84	580.00	6.96		
280.00	11.65	590.00	6.91		
290.00	11.37	600.00	6.87		
300.00	11.08				

**Cruise:** GULFCET 05  
**Latitude:** 27° 41.00' N

**Station:** 06-061  
**Longitude:** 92° 50.00' W

**Probe Type:** T-7  
**Date:** 30-May-1993 **Time:** 2259

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.89	310.00	11.13
10.00	25.08	320.00	10.94
20.00	24.81	330.00	10.81
30.00	24.55	340.00	10.68
40.00	23.20	350.00	10.54
50.00	22.19	360.00	10.27
60.00	21.31		
70.00	20.80		
80.00	20.04		
90.00	19.62		
100.00	18.67		
110.00	17.96		
120.00	17.29		
130.00	16.83		
140.00	16.67		
150.00	16.14		
160.00	15.90		
170.00	15.39		
180.00	15.03		
190.00	14.61		
200.00	14.18		
210.00	13.76		
220.00	13.52		
230.00	13.22		
240.00	13.08		
250.00	12.73		
260.00	12.37		
270.00	12.16		
280.00	11.97		
290.00	11.58		
300.00	11.34		

**Cruise:** GULFCET 05  
**Latitude:** 24° 42.82' N

**Station:** 06-062  
**Longitude:** 92° 50.00' W

**Probe Type:** T-7  
**Date:** 30-May-1993 **Time:** 2245

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	26.01	310.00	11.29
10.00	25.11	320.00	11.06
20.00	24.82	330.00	10.97
30.00	24.26	340.00	10.88
40.00	22.66	350.00	10.75
50.00	22.13		
60.00	21.06		
70.00	20.18		
80.00	19.93		
90.00	19.54		
100.00	18.51		
110.00	17.78		
120.00	17.30		
130.00	17.07		
140.00	16.54		
150.00	16.02		
160.00	15.68		
170.00	15.28		
180.00	14.84		
190.00	14.45		
200.00	14.23		
210.00	13.85		
220.00	13.42		
230.00	13.18		
240.00	12.77		
250.00	12.53		
260.00	12.26		
270.00	12.06		
280.00	11.77		
290.00	11.59		
300.00	11.48		

**Cruise:** GULFCET 05  
**Latitude:** 27° 54.50' N

**Station:** 06-063  
**Longitude:** 92° 50.00' W

**Probe Type:** T-10  
**Date:** 30-May-1993 **Time:** 2100

Depth (m)	Temp. (°C)
0.00	25.81
10.00	25.12
20.00	24.79
30.00	23.24
40.00	23.14
50.00	22.45
60.00	21.57
70.00	21.03
80.00	20.65
90.00	19.76
100.00	19.68
110.00	19.07
120.00	18.49
130.00	18.14
140.00	17.70
150.00	17.31
160.00	16.84
170.00	16.46
180.00	15.77
190.00	15.19

**Cruise:** GULFCET 05  
**Latitude:** 27° 53.00' N

**Station:** 07-066  
**Longitude:** 92° 10.00' W

**Probe Type:** T-10  
**Date:** 30-May-1993 **Time:** 1421

Depth (m)	Temp. (°C)
0.00	26.36
10.00	24.99
20.00	24.80
30.00	24.51
40.00	23.11
50.00	22.72
60.00	21.84
70.00	21.05
80.00	20.69
90.00	20.39
100.00	19.90
110.00	19.45
120.00	18.67
130.00	18.32
140.00	17.67
150.00	17.23
160.00	16.71
170.00	16.51
180.00	16.14
190.00	15.68
200.00	15.47
210.00	15.16

**Cruise:** GULFCET 05  
**Latitude:** 27° 51.99' N

**Station:** 07-067  
**Longitude:** 92° 10.00' W

**Probe Type:** T-7  
**Date:** 30-May-1993 **Time:** 1413

Depth (m)	Temp. (°C)
0.00	25.60
10.00	24.94
20.00	24.70
30.00	24.20
40.00	23.09
50.00	22.71
60.00	22.02
70.00	20.99
80.00	20.52
90.00	20.19
100.00	19.85
110.00	19.30
120.00	18.63
130.00	17.75
140.00	17.43
150.00	17.11
160.00	16.68
170.00	16.29
180.00	15.78
190.00	15.47
200.00	15.27
210.00	14.84
220.00	14.55
230.00	14.20
240.00	13.83
250.00	13.45
260.00	12.95
270.00	12.64
280.00	12.55
290.00	11.99

Cruise: GULFCET 05  
Latitude: 27° 45.00' N

Station: 07-068  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 30-May-1993 Time: 1312

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.61	310.00	11.79
10.00	25.08	320.00	11.63
20.00	24.81	330.00	11.41
30.00	24.50	340.00	11.04
40.00	23.31	350.00	10.76
50.00	22.74		
60.00	21.45		
70.00	20.68		
80.00	20.45		
90.00	19.71		
100.00	19.47		
110.00	18.80		
120.00	18.05		
130.00	17.84		
140.00	17.49		
150.00	17.14		
160.00	16.89		
170.00	16.48		
180.00	16.21		
190.00	15.95		
200.00	15.54		
210.00	15.19		
220.00	14.82		
230.00	14.52		
240.00	14.00		
250.00	13.70		
260.00	13.40		
270.00	13.22		
280.00	12.93		
290.00	12.53		
300.00	12.15		

Cruise: GULFCET 05  
Latitude: 27° 37.02' N

Station: 07-069  
Longitude: 92° 10.03' W

Probe Type: T-7  
Date: 30-May-1993 Time: 1150

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.48	310.00	11.78	610.00	7.06
10.00	25.18	320.00	11.63	620.00	6.97
20.00	24.86	330.00	11.25	630.00	6.89
30.00	24.01	340.00	11.02	640.00	6.83
40.00	22.84	350.00	10.77	650.00	6.78
50.00	22.06	360.00	10.55	660.00	6.67
60.00	21.25	370.00	10.39	670.00	6.48
70.00	20.48	380.00	10.18	680.00	6.44
80.00	19.77	390.00	9.93		
90.00	19.13	400.00	9.78		
100.00	18.78	410.00	9.57		
110.00	18.68	420.00	9.37		
120.00	17.83	430.00	9.22		
130.00	17.50	440.00	9.05		
140.00	17.14	450.00	8.85		
150.00	16.94	460.00	8.77		
160.00	16.51	470.00	8.56		
170.00	16.07	480.00	8.45		
180.00	15.71	490.00	8.36		
190.00	15.49	500.00	8.15		
200.00	15.20	510.00	7.97		
210.00	15.00	520.00	7.84		
220.00	14.66	530.00	7.69		
230.00	14.08	540.00	7.60		
240.00	13.70	550.00	7.45		
250.00	13.28	560.00	7.40		
260.00	12.97	570.00	7.32		
270.00	12.61	580.00	7.25		
280.00	12.34	590.00	7.17		
290.00	12.20	600.00	7.12		
300.00	11.96				

Cruise: GULFCET 05  
Latitude: 27° 30.50' N

Station: 07-070  
Longitude: 92° 10.12' W

Probe Type: T-20  
Date: 30-May-1993 Time: 1052

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.62	310.00	11.56	610.00	6.80
10.00	25.27	320.00	11.41	620.00	6.72
20.00	24.79	330.00	11.31	630.00	6.61
30.00	23.29	340.00	10.99	640.00	6.55
40.00	22.75	350.00	10.62	650.00	6.49
50.00	22.16	360.00	10.35	660.00	6.42
60.00	21.22	370.00	10.12	670.00	6.36
70.00	20.62	380.00	9.96	680.00	6.25
80.00	20.23	390.00	9.77	690.00	6.19
90.00	19.59	400.00	9.64		
100.00	18.87	410.00	9.47		
110.00	18.18	420.00	9.34		
120.00	18.23	430.00	9.12		
130.00	17.62	440.00	8.99		
140.00	17.07	450.00	8.81		
150.00	16.48	460.00	8.65		
160.00	15.89	470.00	8.54		
170.00	15.54	480.00	8.40		
180.00	15.21	490.00	8.22		
190.00	14.88	500.00	8.05		
200.00	14.61	510.00	7.93		
210.00	14.28	520.00	7.80		
220.00	14.05	530.00	7.69		
230.00	13.65	540.00	7.68		
240.00	13.31	550.00	7.55		
250.00	13.05	560.00	7.41		
260.00	12.80	570.00	7.19		
270.00	12.52	580.00	7.11		
280.00	12.31	590.00	7.04		
290.00	12.00	600.00	6.98		
300.00	11.78				

Cruise: GULFCET 05  
Latitude: 27° 09.99' N

Station: 07-072  
Longitude: 92° 09.97' W

Probe Type: T-20  
Date: 30-May-1993 Time: 0350

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.46	310.00	11.59	610.00	6.68
10.00	24.97	320.00	11.24	620.00	6.61
20.00	24.69	330.00	11.06	630.00	6.52
30.00	23.27	340.00	10.86	640.00	6.46
40.00	22.70	350.00	10.68	650.00	6.34
50.00	21.68	360.00	10.52	660.00	6.30
60.00	20.59	370.00	10.32	670.00	6.23
70.00	20.46	380.00	10.09	680.00	6.15
80.00	19.71	390.00	9.83	690.00	6.07
90.00	19.34	400.00	9.59	700.00	5.98
100.00	18.86	410.00	9.44	710.00	5.89
110.00	18.60	420.00	9.26	720.00	5.83
120.00	18.20	430.00	9.00		
130.00	17.88	440.00	8.82		
140.00	17.69	450.00	8.70		
150.00	17.46	460.00	8.60		
160.00	17.05	470.00	8.39		
170.00	16.62	480.00	8.16		
180.00	16.10	490.00	7.94		
190.00	15.68	500.00	7.83		
200.00	15.35	510.00	7.67		
210.00	14.87	520.00	7.53		
220.00	14.40	530.00	7.45		
230.00	14.13	540.00	7.29		
240.00	13.58	550.00	7.19		
250.00	13.26	560.00	7.07		
260.00	12.92	570.00	7.00		
270.00	12.66	580.00	6.92		
280.00	12.32	590.00	6.86		
290.00	12.07	600.00	6.76		
300.00	11.92				

**Cruise:** GULFCET 05  
**Latitude:** 27° 23.00' N

**Station:** 08-079  
**Longitude:** 91° 30.00' W

**Probe Type:** T-20  
**Date:** 29-May-1993 **Time:** 0912

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.42	310.00	10.98
10.00	25.08	320.00	10.90
20.00	24.97	330.00	10.79
30.00	23.69	340.00	10.73
40.00	23.07	350.00	10.62
50.00	22.13	360.00	10.52
60.00	21.23	370.00	10.39
70.00	20.46	380.00	10.27
80.00	19.40	390.00	10.14
90.00	18.97	400.00	9.88
100.00	17.79	410.00	9.65
110.00	17.02	420.00	9.49
120.00	16.42	430.00	9.18
130.00	15.81	440.00	9.01
140.00	15.54	450.00	8.86
150.00	15.06	460.00	8.58
160.00	14.79	470.00	8.44
170.00	14.40	480.00	8.21
180.00	14.01	490.00	8.13
190.00	13.62	500.00	7.94
200.00	13.23	510.00	7.79
210.00	12.87	520.00	7.54
220.00	12.48	530.00	7.45
230.00	12.17	540.00	7.33
240.00	11.90		
250.00	11.60		
260.00	11.47		
270.00	11.42		
280.00	11.31		
290.00	11.24		
300.00	11.10		

**Cruise:** GULFCET 05  
**Latitude:** 27° 33.00' N

**Station:** 08-081  
**Longitude:** 91° 30.08' W

**Probe Type:** T-20  
**Date:** 29-May-1993 **Time:** 0721

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.26	310.00	11.26
10.00	25.14	320.00	11.11
20.00	25.08	330.00	10.86
30.00	23.52	340.00	10.67
40.00	22.41		
50.00	21.69		
60.00	20.65		
70.00	20.56		
80.00	19.89		
90.00	19.03		
100.00	18.47		
110.00	17.74		
120.00	17.18		
130.00	16.45		
140.00	15.97		
150.00	15.52		
160.00	15.01		
170.00	14.66		
180.00	14.27		
190.00	13.92		
200.00	13.64		
210.00	13.48		
220.00	13.24		
230.00	13.01		
240.00	12.74		
250.00	12.46		
260.00	12.25		
270.00	11.96		
280.00	11.78		
290.00	11.62		
300.00	11.44		

**Cruise:** GULFCET 05  
**Latitude:** 27° 45.51' N

**Station:** 08-082  
**Longitude:** 91° 30.00' W

**Probe Type:** T-7  
**Date:** 29-May-1993 **Time:** 0541

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.03	310.00	11.58	610.00	6.63
10.00	25.00	320.00	11.46	620.00	6.52
20.00	25.10	330.00	11.32	630.00	6.44
30.00	23.76	340.00	11.20	640.00	6.34
40.00	23.42	350.00	11.12	650.00	6.17
50.00	22.65	360.00	10.82	660.00	6.09
60.00	22.02	370.00	10.50		
70.00	21.78	380.00	10.37		
80.00	20.50	390.00	10.15		
90.00	20.07	400.00	9.98		
100.00	19.30	410.00	9.79		
110.00	18.81	420.00	9.67		
120.00	18.21	430.00	9.36		
130.00	17.20	440.00	9.24		
140.00	16.31	450.00	9.05		
150.00	15.84	460.00	8.86		
160.00	15.36	470.00	8.77		
170.00	14.85	480.00	8.60		
180.00	14.58	490.00	8.39		
190.00	14.44	500.00	8.26		
200.00	14.12	510.00	7.94		
210.00	13.76	520.00	7.63		
220.00	13.49	530.00	7.48		
230.00	13.16	540.00	7.39		
240.00	12.89	550.00	7.23		
250.00	12.61	560.00	7.16		
260.00	12.33	570.00	7.02		
270.00	12.21	580.00	6.92		
280.00	12.08	590.00	6.84		
290.00	11.96	600.00	6.74		
300.00	11.78				

**Cruise:** GULFCET 05  
**Latitude:** 27° 49.50' N

**Station:** 08-083  
**Longitude:** 91° 30.07' W

**Probe Type:** T-7  
**Date:** 29-May-1993 **Time:** 0508

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.14	310.00	11.77
10.00	25.00	320.00	11.55
20.00	25.04	330.00	11.38
30.00	24.84	340.00	11.21
40.00	23.12	350.00	10.94
50.00	22.64	360.00	10.70
60.00	21.43	370.00	10.29
70.00	20.95	380.00	10.15
80.00	20.55		
90.00	20.13		
100.00	19.31		
110.00	18.71		
120.00	18.08		
130.00	17.21		
140.00	16.69		
150.00	16.41		
160.00	16.20		
170.00	15.63		
180.00	15.00		
190.00	14.77		
200.00	14.58		
210.00	14.32		
220.00	13.93		
230.00	13.61		
240.00	13.33		
250.00	12.96		
260.00	12.66		
270.00	12.41		
280.00	12.29		
290.00	12.09		
300.00	12.00		



**Cruise:** GULFCET 05  
**Latitude:** 27° 52.00' N

**Station:** 08-084  
**Longitude:** 91° 29.99' W

**Probe Type:** T-7  
**Date:** 29-May-1993 **Time:** 0447

Depth (m)	Temp. (°C)
0.00	25.02
10.00	25.00
20.00	25.00
30.00	24.91
40.00	23.67
50.00	22.46
60.00	21.54
70.00	20.64
80.00	20.44
90.00	19.61
100.00	18.65
110.00	17.94
120.00	17.39
130.00	17.05
140.00	16.82
150.00	16.74
160.00	16.34
170.00	15.71
180.00	15.37
190.00	15.20
200.00	15.12
210.00	14.74
220.00	14.44
230.00	13.87
240.00	13.80
250.00	13.08

**Cruise:** GULFCET 05  
**Latitude:** 27° 52.99' N

**Station:** 08-085  
**Longitude:** 91° 29.89' W

**Probe Type:** T-10  
**Date:** 29-May-1993 **Time:** 0438

Depth (m)	Temp. (°C)
0.00	25.13
10.00	25.00
20.00	24.99
30.00	24.93
40.00	23.68
50.00	22.70
60.00	21.56
70.00	20.80
80.00	20.29
90.00	20.03
100.00	19.03
110.00	18.44
120.00	17.55
130.00	17.22
140.00	16.90
150.00	16.86
160.00	16.54
170.00	16.28
180.00	15.78
190.00	15.48
200.00	15.43
210.00	14.98

**Cruise:** GULFCET 05  
**Latitude:** 28° 2.43' N

**Station:** 09-088  
**Longitude:** 90° 49.99' W

**Probe Type:** T-10  
**Date:** 28-May-1993 **Time:** 2116

Depth (m)	Temp. (°C)
0.00	25.66
10.00	25.51
20.00	25.16
30.00	24.28
40.00	22.56
50.00	21.97
60.00	20.94
70.00	20.39
80.00	20.00
90.00	19.43
100.00	19.23
110.00	18.74
120.00	18.37
130.00	17.82
140.00	17.58
150.00	17.44
160.00	17.14
170.00	16.86
180.00	16.51
190.00	16.38
200.00	15.49

**Cruise:** GULFCET 05  
**Latitude:** 28° .03' N

**Station:** 09-089  
**Longitude:** 90° 50.05' W

**Probe Type:** T-7  
**Date:** 28-May-1993 **Time:** 2056

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.60	310.00	11.38
10.00	25.37	320.00	10.90
20.00	24.40		
30.00	23.05		
40.00	22.39		
50.00	21.47		
60.00	20.79		
70.00	20.31		
80.00	20.14		
90.00	19.35		
100.00	19.00		
110.00	18.38		
120.00	17.65		
130.00	17.37		
140.00	16.90		
150.00	16.47		
160.00	15.87		
170.00	15.74		
180.00	15.55		
190.00	15.30		
200.00	15.07		
210.00	14.85		
220.00	14.66		
230.00	13.97		
240.00	13.68		
250.00	13.23		
260.00	13.01		
270.00	12.52		
280.00	12.21		
290.00	12.11		
300.00	11.90		

Cruise: GULFCET 05  
Latitude: 27° 52.01' N

Station: 09-090  
Longitude: 90° 50.06' W

Probe Type: T-7  
Date: 28-May-1993 Time: 1947

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.34	310.00	10.99
10.00	24.87	320.00	10.81
20.00	23.92	330.00	10.69
30.00	22.97	340.00	10.61
40.00	22.37	350.00	10.57
50.00	21.80	360.00	10.37
60.00	20.94	370.00	10.26
70.00	20.77	380.00	10.22
80.00	20.23	390.00	10.11
90.00	19.82	400.00	10.08
100.00	19.24	410.00	10.02
110.00	18.08	420.00	9.81
120.00	17.40		
130.00	16.93		
140.00	16.50		
150.00	16.10		
160.00	15.45		
170.00	15.07		
180.00	14.75		
190.00	14.23		
200.00	13.90		
210.00	13.44		
220.00	13.21		
230.00	12.93		
240.00	12.58		
250.00	12.34		
260.00	12.23		
270.00	11.94		
280.00	11.77		
290.00	11.65		
300.00	11.54		

Cruise: GULFCET 05  
Latitude: 27° 45.96' N

Station: 09-091  
Longitude: 90° 50.03' W

Probe Type: T-7  
Date: 28-May-1993 Time: 1856

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.22	310.00	11.01	610.00	6.44
10.00	25.48	320.00	10.75	620.00	6.32
20.00	24.80	330.00	10.53	630.00	6.30
30.00	23.05	340.00	10.34	640.00	6.23
40.00	21.94	350.00	10.21	650.00	6.18
50.00	21.41	360.00	9.87	660.00	6.14
60.00	20.79	370.00	9.76		
70.00	20.39	380.00	9.56		
80.00	19.99	390.00	9.31		
90.00	19.51	400.00	9.14		
100.00	19.04	410.00	8.79		
110.00	18.47	420.00	8.63		
120.00	17.94	430.00	8.52		
130.00	17.19	440.00	8.40		
140.00	16.40	450.00	8.30		
150.00	15.92	460.00	8.13		
160.00	15.53	470.00	8.04		
170.00	15.19	480.00	8.00		
180.00	14.95	490.00	7.94		
190.00	14.54	500.00	7.85		
200.00	14.10	510.00	7.80		
210.00	13.89	520.00	7.75		
220.00	13.55	530.00	7.64		
230.00	13.13	540.00	7.43		
240.00	12.79	550.00	7.26		
250.00	12.48	560.00	7.07		
260.00	12.18	570.00	6.85		
270.00	11.89	580.00	6.73		
280.00	11.55	590.00	6.57		
290.00	11.31	600.00	6.49		
300.00	11.16				

Cruise: GULFCET 05  
Latitude: 27° 39.48' N

Station: 09-092  
Longitude: 90° 50.03' W

Probe Type: T-20  
Date: 28-May-1993 Time: 1801

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.26	310.00	10.54	610.00	6.52
10.00	25.12	320.00	10.34	620.00	6.45
20.00	25.19	330.00	10.17	630.00	6.32
30.00	24.27	340.00	9.83	640.00	6.28
40.00	22.76	350.00	9.64	650.00	6.18
50.00	21.83	360.00	9.40	660.00	6.13
60.00	21.47	370.00	9.27	670.00	6.05
70.00	20.83	380.00	9.04	680.00	5.96
80.00	19.90	390.00	8.86	690.00	5.91
90.00	19.40	400.00	8.72		
100.00	18.58	410.00	8.62		
110.00	18.01	420.00	8.49		
120.00	17.12	430.00	8.35		
130.00	16.67	440.00	8.15		
140.00	16.25	450.00	8.03		
150.00	15.71	460.00	7.97		
160.00	15.21	470.00	7.86		
170.00	14.94	480.00	7.75		
180.00	14.42	490.00	7.62		
190.00	14.05	500.00	7.51		
200.00	13.93	510.00	7.40		
210.00	13.67	520.00	7.29		
220.00	13.26	530.00	7.22		
230.00	13.01	540.00	7.10		
240.00	12.72	550.00	6.97		
250.00	12.18	560.00	6.88		
260.00	11.83	570.00	6.84		
270.00	11.44	580.00	6.77		
280.00	11.13	590.00	6.67		
290.00	11.01	600.00	6.57		
300.00	10.83				

Cruise: GULFCET 05  
Latitude: 27° 16.00' N

Station: 09-094  
Longitude: 90° 50.00' W

Probe Type: T-20  
Date: 28-May-1993 Time: 1348

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.94	310.00	9.68	610.00	6.12	910.00	4.80
10.00	24.73	320.00	9.38	620.00	6.08	920.00	4.75
20.00	24.61	330.00	9.15	630.00	6.06	930.00	4.74
30.00	24.67	340.00	9.07	640.00	5.97	940.00	4.74
40.00	23.45	350.00	8.90	650.00	5.93	950.00	4.68
50.00	22.59	360.00	8.67	660.00	5.85	960.00	4.66
60.00	21.34	370.00	8.54	670.00	5.80	970.00	4.63
70.00	20.19	380.00	8.45	680.00	5.74	980.00	4.60
80.00	19.78	390.00	8.33	690.00	5.68	990.00	4.57
90.00	19.07	400.00	8.21	700.00	5.62		
100.00	18.34	410.00	7.98	710.00	5.57		
110.00	17.54	420.00	7.73	720.00	5.52		
120.00	16.96	430.00	7.59	730.00	5.46		
130.00	15.96	440.00	7.45	740.00	5.43		
140.00	15.43	450.00	7.40	750.00	5.37		
150.00	14.95	460.00	7.31	760.00	5.35		
160.00	14.54	470.00	7.23	770.00	5.31		
170.00	14.04	480.00	7.14	780.00	5.21		
180.00	13.68	490.00	7.01	790.00	5.15		
190.00	13.20	500.00	6.92	800.00	5.15		
200.00	12.88	510.00	6.83	810.00	5.08		
210.00	12.48	520.00	6.74	820.00	5.05		
220.00	12.13	530.00	6.66	830.00	5.06		
230.00	11.85	540.00	6.59	840.00	5.04		
240.00	11.50	550.00	6.56	850.00	5.02		
250.00	11.13	560.00	6.43	860.00	4.99		
260.00	10.76	570.00	6.39	870.00	4.94		
270.00	10.57	580.00	6.28	880.00	4.92		
280.00	10.41	590.00	6.20	890.00	4.89		
290.00	10.05	600.00	6.15	900.00	4.84		
300.00	9.92						

Cruise: GULFCET 05  
Latitude: 27° 11.50' N

Station: 10-098  
Longitude: 90° 9.85' W

Probe Type: T-20  
Date: 28-May-1993 Time: 0332

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.21	310.00	11.03	610.00	6.56
10.00	25.24	320.00	10.83	620.00	6.50
20.00	25.17	330.00	10.59	630.00	6.40
30.00	24.36	340.00	10.43	640.00	6.31
40.00	23.05	350.00	10.23	650.00	6.26
50.00	22.08	360.00	9.97	660.00	6.16
60.00	21.23	370.00	9.74		
70.00	20.57	380.00	9.47		
80.00	20.25	390.00	9.38		
90.00	19.63	400.00	9.15		
100.00	18.36	410.00	8.89		
110.00	17.67	420.00	8.75		
120.00	17.07	430.00	8.50		
130.00	16.45	440.00	8.32		
140.00	16.07	450.00	8.16		
150.00	15.76	460.00	8.05		
160.00	15.47	470.00	7.93		
170.00	15.10	480.00	7.80		
180.00	14.82	490.00	7.69		
190.00	14.42	500.00	7.54		
200.00	14.28	510.00	7.49		
210.00	13.76	520.00	7.42		
220.00	13.46	530.00	7.34		
230.00	13.19	540.00	7.24		
240.00	12.90	550.00	7.12		
250.00	12.47	560.00	7.04		
260.00	12.15	570.00	6.95		
270.00	11.81	580.00	6.88		
280.00	11.60	590.00	6.76		
290.00	11.50	600.00	6.68		
300.00	11.20				

Cruise: GULFCET 05  
Latitude: 27° 40.35' N

Station: 10-099  
Longitude: 90° 09.92' W

Probe Type: T-20  
Date: 27-May-1993 Time: 2341

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.69	310.00	10.76	610.00	6.46
10.00	25.64	320.00	10.62	620.00	6.38
20.00	25.60	330.00	10.32	630.00	6.29
30.00	24.32	340.00	10.24	640.00	6.25
40.00	23.10	350.00	9.98	650.00	6.17
50.00	22.15	360.00	9.77	660.00	6.13
60.00	21.71	370.00	9.68	670.00	6.07
70.00	20.59	380.00	9.58	680.00	5.96
80.00	20.25	390.00	9.38	690.00	5.85
90.00	19.54	400.00	9.11	700.00	5.82
100.00	18.54	410.00	8.94	710.00	5.77
110.00	17.80	420.00	8.65	720.00	5.75
120.00	17.26	430.00	8.52	730.00	5.70
130.00	16.61	440.00	8.48	740.00	5.66
140.00	16.21	450.00	8.34	750.00	5.58
150.00	15.80	460.00	8.12	760.00	5.52
160.00	15.19	470.00	8.00	770.00	5.45
170.00	14.79	480.00	7.75	780.00	5.36
180.00	14.22	490.00	7.65	790.00	5.33
190.00	13.90	500.00	7.51	800.00	5.26
200.00	13.45	510.00	7.37	810.00	5.24
210.00	13.11	520.00	7.34	820.00	5.21
220.00	12.81	530.00	7.25	830.00	5.17
230.00	12.53	540.00	7.08	840.00	5.15
240.00	12.26	550.00	7.04	850.00	5.13
250.00	12.03	560.00	6.95		
260.00	11.91	570.00	6.80		
270.00	11.69	580.00	6.70		
280.00	11.47	590.00	6.62		
290.00	11.24	600.00	6.56		
300.00	11.06				

Cruise: GULFCET 05  
Latitude: 27° 49.98' N

Station: 10-101  
Longitude: 90° 09.88' W

Probe Type: T-7  
Date: 27-May-1993 Time: 2151

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.97	310.00	11.27	610.00	6.56
10.00	24.96	320.00	10.99	620.00	6.49
20.00	24.18	330.00	10.69	630.00	6.39
30.00	23.25	340.00	10.39	640.00	6.32
40.00	22.40	350.00	10.10	650.00	6.26
50.00	21.43	360.00	9.93	660.00	6.19
60.00	20.71	370.00	9.78	670.00	6.08
70.00	20.19	380.00	9.60	680.00	6.02
80.00	19.80	390.00	9.49	690.00	5.95
90.00	19.00	400.00	9.37	700.00	5.81
100.00	17.90	410.00	9.17	710.00	5.73
110.00	17.59	420.00	8.97		
120.00	17.09	430.00	8.76		
130.00	16.64	440.00	8.57		
140.00	16.05	450.00	8.40		
150.00	15.59	460.00	8.37		
160.00	15.27	470.00	8.24		
170.00	14.94	480.00	8.15		
180.00	14.72	490.00	8.02		
190.00	14.27	500.00	7.82		
200.00	14.00	510.00	7.64		
210.00	13.72	520.00	7.54		
220.00	13.47	530.00	7.37		
230.00	13.25	540.00	7.25		
240.00	12.85	550.00	7.14		
250.00	12.59	560.00	7.06		
260.00	12.25	570.00	6.98		
270.00	12.00	580.00	6.88		
280.00	11.79	590.00	6.78		
290.00	11.52	600.00	6.67		
300.00	11.31				

Cruise: GULFCET 05  
Latitude: 28° 01.57' N

Station: 10-102  
Longitude: 90° 10.03' W

Probe Type: T-7  
Date: 27-May-1993 Time: 2016

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.36	310.00	11.33
10.00	25.33	320.00	11.07
20.00	25.22	330.00	10.88
30.00	24.54	340.00	10.65
40.00	22.66	350.00	10.52
50.00	22.09	360.00	10.45
60.00	21.69	370.00	10.20
70.00	21.22	380.00	10.05
80.00	20.32	390.00	9.94
90.00	19.67	400.00	9.85
100.00	18.95	410.00	9.80
110.00	18.28	420.00	9.77
120.00	17.55	430.00	9.68
130.00	16.85	440.00	9.61
140.00	16.35	450.00	9.56
150.00	15.79	460.00	9.36
160.00	15.51	470.00	9.29
170.00	15.30	480.00	9.17
180.00	14.77	490.00	9.04
190.00	14.52	500.00	8.73
200.00	14.31		
210.00	14.20		
220.00	13.92		
230.00	13.46		
240.00	13.13		
250.00	12.83		
260.00	12.49		
270.00	12.29		
280.00	12.26		
290.00	11.91		
300.00	11.68		

**Cruise:** GULFCET 05  
**Latitude:** 28° 03.94' N

**Station:** 10-103  
**Longitude:** 90° 10.09' W

**Probe Type:** T-7  
**Date:** 27-May-1993 **Time:** 1957

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.34	310.00	11.45
10.00	25.30	320.00	11.21
20.00	25.26	330.00	11.14
30.00	23.11	340.00	11.04
40.00	22.23	350.00	10.90
50.00	21.80	360.00	10.64
60.00	21.15		
70.00	20.83		
80.00	20.40		
90.00	20.07		
100.00	19.18		
110.00	18.38		
120.00	17.74		
130.00	17.26		
140.00	16.67		
150.00	16.06		
160.00	15.79		
170.00	15.42		
180.00	15.06		
190.00	14.65		
200.00	14.46		
210.00	13.95		
220.00	13.55		
230.00	13.11		
240.00	12.77		
250.00	12.55		
260.00	12.37		
270.00	12.09		
280.00	11.92		
290.00	11.74		
300.00	11.59		

**Cruise:** GULFCET 05  
**Latitude:** 28° 09.38' N

**Station:** 10-104  
**Longitude:** 90° 09.77' W

**Probe Type:** T-10  
**Date:** 27-May-1993 **Time:** 1903

Depth (m)	Temp. (°C)
0.00	24.32
10.00	25.24
20.00	24.07
30.00	23.47
40.00	22.37
50.00	21.22
60.00	20.76
70.00	20.50
80.00	20.34
90.00	19.84
100.00	19.38
110.00	18.99
120.00	18.43
130.00	17.69
140.00	17.32
150.00	17.10
160.00	16.82
170.00	16.48
180.00	16.34
190.00	16.19
200.00	15.54

**Cruise:** GULFCET 05  
**Latitude:** 28° 35.96' N

**Station:** 11-107  
**Longitude:** 89° 29.95' W

**Probe Type:** T-10  
**Date:** 27-May-1993 **Time:** 0844

Depth (m)	Temp. (°C)
0.00	24.38
10.00	24.62
20.00	23.39
30.00	22.54
40.00	22.23
50.00	21.63
60.00	21.64
70.00	21.00
80.00	20.02
90.00	19.84
100.00	19.18
110.00	18.09
120.00	17.80
130.00	17.76
140.00	17.62
150.00	16.99
160.00	16.89

**Cruise:** GULFCET 05  
**Latitude:** 28° 32.00' N

**Station:** 11-108  
**Longitude:** 89° 30.05' W

**Probe Type:** T-7  
**Date:** 27-May-1993 **Time:** 0810

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.86	310.00	11.28
10.00	24.81	320.00	11.14
20.00	23.42	330.00	11.05
30.00	22.76		
40.00	22.20		
50.00	21.44		
60.00	20.81		
70.00	20.50		
80.00	20.02		
90.00	19.40		
100.00	18.56		
110.00	17.87		
120.00	17.34		
130.00	17.11		
140.00	16.82		
150.00	16.43		
160.00	16.14		
170.00	15.58		
180.00	15.40		
190.00	14.94		
200.00	14.74		
210.00	14.35		
220.00	14.09		
230.00	13.70		
240.00	13.50		
250.00	13.09		
260.00	12.87		
270.00	12.52		
280.00	12.11		
290.00	11.91		
300.00	11.58		



Cruise: GULFCET 05  
Latitude: 28° 27.79' N

Station: 11-109  
Longitude: 89° 30.28' W

Probe Type: T-7  
Date: 27-May-1993 Time: 0738

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.12	310.00	11.68
10.00	25.12	320.00	11.29
20.00	24.00	330.00	11.12
30.00	23.01	340.00	10.99
40.00	22.09	350.00	10.99
50.00	20.95	360.00	10.97
60.00	20.36	370.00	10.79
70.00	19.95	380.00	10.66
80.00	19.50	390.00	10.38
90.00	19.74	400.00	10.09
100.00	18.80	410.00	9.78
110.00	17.89	420.00	9.28
120.00	17.08	430.00	9.21
130.00	16.75	440.00	9.05
140.00	16.31	450.00	8.96
150.00	15.95	460.00	8.92
160.00	15.66	470.00	8.76
170.00	15.42	480.00	8.65
180.00	15.01	490.00	8.59
190.00	14.75	500.00	8.62
200.00	14.49	510.00	8.58
210.00	14.17	520.00	8.52
220.00	14.03	530.00	8.43
230.00	13.89	540.00	7.75
240.00	13.59		
250.00	13.27		
260.00	13.02		
270.00	12.69		
280.00	12.57		
290.00	12.29		
300.00	12.03		

Cruise: GULFCET 05  
Latitude: 28° 21.51' N

Station: 11-110  
Longitude: 89° 30.44' W

Probe Type: T-7  
Date: 27-May-1993 Time: 0648

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.12	310.00	11.58	610.00	6.84
10.00	25.09	320.00	11.42	620.00	6.49
20.00	25.10	330.00	11.21	630.00	6.37
30.00	22.91	340.00	10.99	640.00	6.28
40.00	21.99	350.00	10.76	650.00	6.21
50.00	21.98	360.00	10.50	660.00	6.14
60.00	21.20	370.00	10.31	670.00	6.01
70.00	19.93	380.00	10.16	680.00	5.97
80.00	19.47	390.00	9.94	690.00	5.85
90.00	19.23	400.00	9.69		
100.00	18.36	410.00	9.64		
110.00	17.64	420.00	9.58		
120.00	17.10	430.00	9.55		
130.00	16.63	440.00	9.48		
140.00	16.29	450.00	9.33		
150.00	15.97	460.00	9.26		
160.00	15.66	470.00	9.20		
170.00	15.30	480.00	8.96		
180.00	15.07	490.00	8.71		
190.00	14.84	500.00	8.50		
200.00	14.51	510.00	8.37		
210.00	14.27	520.00	8.10		
220.00	13.87	530.00	7.91		
230.00	13.61	540.00	7.82		
240.00	13.46	550.00	7.68		
250.00	13.13	560.00	7.63		
260.00	12.99	570.00	7.40		
270.00	12.70	580.00	7.27		
280.00	12.45	590.00	7.24		
290.00	12.15	600.00	7.11		
300.00	11.78				

Cruise: GULFCET 05  
Latitude: 28° 14.98' N

Station: 11-111  
Longitude: 89° 30.01' W

Probe Type: T-20  
Date: 27-May-1993 Time: 0555

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.66	310.00	11.68	610.00	6.75
10.00	25.57	320.00	11.40	620.00	6.67
20.00	25.52	330.00	11.19	630.00	6.63
30.00	23.30	340.00	10.85	640.00	6.58
40.00	22.36	350.00	10.59	650.00	6.48
50.00	21.14	360.00	10.42	660.00	6.44
60.00	20.69	370.00	10.24	670.00	6.37
70.00	20.36	380.00	10.07	680.00	6.35
80.00	20.03	390.00	9.99	690.00	6.28
90.00	19.07	400.00	9.81	700.00	6.23
100.00	18.49	410.00	9.61	710.00	6.14
110.00	17.91	420.00	9.31	720.00	6.08
120.00	17.38	430.00	9.14	730.00	6.02
130.00	16.98	440.00	9.02	740.00	5.93
140.00	16.59	450.00	8.84	750.00	5.90
150.00	16.29	460.00	8.67	760.00	5.87
160.00	16.01	470.00	8.60	770.00	5.77
170.00	15.63	480.00	8.46	780.00	5.73
180.00	15.20	490.00	8.34	790.00	5.66
190.00	14.87	500.00	8.20	800.00	5.59
200.00	14.55	510.00	8.13	810.00	5.55
210.00	14.35	520.00	8.15	820.00	5.52
220.00	14.09	530.00	7.95	830.00	5.48
230.00	13.85	540.00	7.85	840.00	5.43
240.00	13.57	550.00	7.61	850.00	5.39
250.00	13.28	560.00	7.47		
260.00	12.94	570.00	7.28		
270.00	12.64	580.00	7.14		
280.00	12.31	590.00	6.99		
290.00	12.15	600.00	6.88		
300.00	11.93				

Cruise: GULFCET 05  
Latitude: 27° 37.91' N

Station: 11-113  
Longitude: 89° 30.23' W

Probe Type: T-20  
Date: 27-May-1993 Time: 0018

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.86	310.00	10.62	610.00	6.52	910.00	4.97
10.00	25.91	320.00	10.36	620.00	6.40	920.00	4.90
20.00	25.85	330.00	10.16	630.00	6.31	930.00	4.85
30.00	25.55	340.00	9.97	640.00	6.25	940.00	4.85
40.00	23.10	350.00	9.77	650.00	6.23	950.00	4.83
50.00	22.48	360.00	9.53	660.00	6.16	960.00	4.79
60.00	21.68	370.00	9.34	670.00	6.11	970.00	4.77
70.00	20.86	380.00	9.25	680.00	6.07	980.00	4.74
80.00	19.92	390.00	9.13	690.00	5.97	990.00	4.69
90.00	19.18	400.00	8.88	700.00	5.94		
100.00	18.61	410.00	8.67	710.00	5.89		
110.00	17.88	420.00	8.47	720.00	5.85		
120.00	17.22	430.00	8.37	730.00	5.77		
130.00	16.76	440.00	8.34	740.00	5.70		
140.00	16.28	450.00	8.26	750.00	5.65		
150.00	15.83	460.00	8.20	760.00	5.59		
160.00	15.26	470.00	7.98	770.00	5.55		
170.00	14.99	480.00	7.83	780.00	5.50		
180.00	14.45	490.00	7.62	790.00	5.42		
190.00	14.06	500.00	7.51	800.00	5.41		
200.00	13.69	510.00	7.45	810.00	5.31		
210.00	13.40	520.00	7.40	820.00	5.25		
220.00	12.98	530.00	7.28	830.00	5.24		
230.00	12.59	540.00	7.20	840.00	5.21		
240.00	12.29	550.00	7.12	850.00	5.15		
250.00	12.04	560.00	7.02	860.00	5.11		
260.00	11.86	570.00	6.92	870.00	5.07		
270.00	11.55	580.00	6.78	880.00	5.08		
280.00	11.30	590.00	6.70	890.00	5.04		
290.00	11.00	600.00	6.60	900.00	5.00		
300.00	10.92						

Cruise: GULFCET 05  
Latitude: 28° 14.51' N

Station: 12-118  
Longitude: 88° 50.08' W

Probe Type: T-20  
Date: 26-May-1993 Time: 1645

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.61	310.00	9.09	610.00	6.06	910.00	4.89
10.00	25.60	320.00	8.98	620.00	6.02	920.00	4.86
20.00	25.59	330.00	8.88	630.00	5.98	930.00	4.84
30.00	25.54	340.00	8.78	640.00	5.91	940.00	4.83
40.00	25.41	350.00	8.64	650.00	5.83	950.00	4.76
50.00	24.95	360.00	8.55	660.00	5.81	960.00	4.74
60.00	23.80	370.00	8.40	670.00	5.76	970.00	4.70
70.00	22.59	380.00	8.31	680.00	5.72	980.00	4.67
80.00	21.26	390.00	8.01	690.00	5.69	990.00	4.67
90.00	20.41	400.00	7.91	700.00	5.65		
100.00	19.64	410.00	7.87	710.00	5.61		
110.00	18.37	420.00	7.87	720.00	5.58		
120.00	16.89	430.00	7.70	730.00	5.54		
130.00	16.14	440.00	7.59	740.00	5.48		
140.00	15.40	450.00	7.44	750.00	5.44		
150.00	14.82	460.00	7.26	760.00	5.42		
160.00	14.31	470.00	7.16	770.00	5.40		
170.00	13.87	480.00	7.06	780.00	5.37		
180.00	13.36	490.00	6.97	790.00	5.33		
190.00	12.98	500.00	6.92	800.00	5.32		
200.00	12.71	510.00	6.83	810.00	5.25		
210.00	12.45	520.00	6.73	820.00	5.22		
220.00	12.19	530.00	6.65	830.00	5.19		
230.00	11.88	540.00	6.56	840.00	5.12		
240.00	11.65	550.00	6.50	850.00	5.05		
250.00	11.33	560.00	6.41	860.00	5.01		
260.00	10.83	570.00	6.34	870.00	4.98		
270.00	10.43	580.00	6.24	880.00	4.96		
280.00	9.93	590.00	6.16	890.00	4.93		
290.00	9.60	600.00	6.09	900.00	4.93		
300.00	9.31						

Cruise: GULFCET 05  
Latitude: 28° 43.46' N

Station: 12-120  
Longitude: 88° 50.01' W

Probe Type: T-20  
Date: 26-May-1993 Time: 1645

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.28	310.00	11.14
10.00	25.40	320.00	10.99
20.00	25.33	330.00	10.75
30.00	25.19	340.00	10.45
40.00	23.38	350.00	10.33
50.00	22.24	360.00	10.23
60.00	21.87	370.00	9.97
70.00	21.01	380.00	9.85
80.00	20.65	390.00	9.67
90.00	20.29	400.00	9.58
100.00	19.54	410.00	9.26
110.00	18.98	420.00	9.08
120.00	18.19	430.00	8.94
130.00	17.18	440.00	8.81
140.00	16.50	450.00	8.63
150.00	16.03	460.00	8.43
160.00	15.87	470.00	8.34
170.00	15.51	480.00	8.17
180.00	15.28	490.00	8.10
190.00	14.89	500.00	7.98
200.00	14.51	510.00	7.83
210.00	14.17	520.00	7.67
220.00	13.78		
230.00	13.42		
240.00	12.98		
250.00	12.77		
260.00	12.39		
270.00	12.09		
280.00	11.86		
290.00	11.61		
300.00	11.35		

**Cruise:** GULFCET 05  
**Latitude:** 28° 46.99' N

**Station:** 12-121  
**Longitude:** 88° 50.00' W

**Probe Type:** T-7  
**Date:** 26-May-1993 **Time:** 1645

Depth (m)	Temp. (°C)
0.00	25.25
10.00	25.22
20.00	25.21
30.00	24.69
40.00	22.79
50.00	22.13
60.00	21.92
70.00	21.17
80.00	20.46
90.00	20.01
100.00	19.45
110.00	19.13
120.00	18.63

**Cruise:** GULFCET 05  
**Latitude:** 28° 52.97' N

**Station:** 12-122  
**Longitude:** 88° 49.93' W

**Probe Type:** T-7  
**Date:** 26-May-1993 **Time:** 1645

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.31	310.00	11.65
10.00	25.12	320.00	11.30
20.00	25.32	330.00	11.08
30.00	24.24	340.00	10.86
40.00	23.32	350.00	10.68
50.00	22.67	360.00	10.59
60.00	21.68	370.00	10.36
70.00	21.02	380.00	10.24
80.00	20.90	390.00	10.22
90.00	20.28	400.00	10.19
100.00	19.60	410.00	10.14
110.00	19.20	420.00	9.96
120.00	18.52	430.00	9.52
130.00	18.04	440.00	9.26
140.00	17.54		
150.00	17.07		
160.00	16.33		
170.00	15.96		
180.00	15.58		
190.00	15.10		
200.00	14.63		
210.00	14.41		
220.00	13.96		
230.00	13.63		
240.00	13.27		
250.00	13.00		
260.00	12.52		
270.00	12.39		
280.00	12.24		
290.00	12.12		
300.00	12.00		

**Cruise:** GULFCET 05  
**Latitude:** 28° 55.48' N

**Station:** 12-123  
**Longitude:** 88° 49.83' W

**Probe Type:** T-7  
**Date:** 26-May-1993 **Time:** 1645

Depth (m)	Temp. (°C)
0.00	24.98
10.00	25.17
20.00	25.24
30.00	25.06
40.00	23.74
50.00	22.86
60.00	21.85
70.00	21.90
80.00	20.85
90.00	20.40
100.00	19.95
110.00	19.50
120.00	18.99
130.00	18.41
140.00	17.91
150.00	17.47
160.00	17.05
170.00	16.74
180.00	16.43
190.00	16.07
200.00	15.68
210.00	15.47
220.00	15.05
230.00	14.60
240.00	14.42
250.00	14.11
260.00	13.35
270.00	12.87
280.00	12.50
290.00	11.98
300.00	11.93

**Cruise:** GULFCET 05  
**Latitude:** 29° 00.01' N

**Station:** 12-124  
**Longitude:** 88° 49.97' W

**Probe Type:** T-10  
**Date:** 26-May-1993 **Time:** 1645

Depth (m)	Temp. (°C)
0.00	24.79
10.00	24.58
20.00	24.91
30.00	23.72
40.00	22.88
50.00	22.71
60.00	21.41
70.00	19.93
80.00	19.64
90.00	19.52
100.00	19.20
110.00	19.10
120.00	18.89
130.00	18.11
140.00	17.93
150.00	17.56
160.00	17.09
170.00	16.73
180.00	16.35
190.00	15.77

**Cruise:** GULFCET 05  
**Latitude:** 27° 32.00' N

**Station:** 12-EX1  
**Longitude:** 88° 50.00' W

**Probe Type:** T-7  
**Date:** 26-May-1993 **Time:** 1645

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	26.03	310.00	9.32
10.00	26.05	320.00	9.19
20.00	26.08	330.00	9.10
30.00	26.05	340.00	8.98
40.00	24.63	350.00	8.79
50.00	23.27	360.00	8.60
60.00	21.68	370.00	8.46
70.00	20.67	380.00	8.27
80.00	19.97	390.00	8.15
90.00	18.96	400.00	8.09
100.00	18.11	410.00	8.07
110.00	17.08	420.00	7.99
120.00	16.57	430.00	7.93
130.00	15.42	440.00	7.73
140.00	14.63	450.00	7.68
150.00	13.88	460.00	7.64
160.00	13.38		
170.00	13.27		
180.00	12.58		
190.00	12.25		
200.00	12.00		
210.00	11.63		
220.00	11.22		
230.00	11.03		
240.00	10.64		
250.00	10.32		
260.00	9.82		
270.00	9.50		
280.00	9.41		
290.00	9.38		
300.00	9.36		

**Cruise:** GULFCET 05  
**Latitude:** 29° 13.01' N

**Station:** 13-127  
**Longitude:** 88° 10.13' W

**Probe Type:** T-10  
**Date:** 25-May-1993 **Time:** 2119

Depth (m)	Temp. (°C)
0.00	24.69
10.00	24.37
20.00	23.30
30.00	21.92
40.00	21.08
50.00	19.90
60.00	20.15
70.00	20.98
80.00	20.31
90.00	19.92
100.00	19.32
110.00	18.62
120.00	18.20
130.00	17.72
140.00	17.17
150.00	16.70
160.00	16.15
170.00	15.75
180.00	15.35
190.00	14.75

**Cruise:** GULFCET 05  
**Latitude:** 29° 10.47' N

**Station:** 13-128  
**Longitude:** 88° 09.96' W

**Probe Type:** T-7  
**Date:** 25-May-1993 **Time:** 2055

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.93	310.00	12.61
10.00	24.35	320.00	12.40
20.00	25.03	330.00	12.20
30.00	23.95	340.00	11.95
40.00	23.35	350.00	11.68
50.00	22.95	360.00	11.49
60.00	21.68		
70.00	20.84		
80.00	20.43		
90.00	19.67		
100.00	19.46		
110.00	19.07		
120.00	18.39		
130.00	17.77		
140.00	17.28		
150.00	16.79		
160.00	16.39		
170.00	16.04		
180.00	15.74		
190.00	15.35		
200.00	15.16		
210.00	14.94		
220.00	14.59		
230.00	14.32		
240.00	14.11		
250.00	13.88		
260.00	13.73		
270.00	13.55		
280.00	13.26		
290.00	13.01		
300.00	12.71		

**Cruise:** GULFCET 05  
**Latitude:** 29° 04.95' N

**Station:** 13-130  
**Longitude:** 88° 10.00' W

**Probe Type:** T-7  
**Date:** 25-May-1993 **Time:** 2003

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.67	310.00	11.82	610.00	6.86
10.00	24.97	320.00	11.58	620.00	6.79
20.00	24.78	330.00	11.41	630.00	6.70
30.00	23.87	340.00	11.24	640.00	6.59
40.00	23.02	350.00	10.88	650.00	6.45
50.00	21.78	360.00	10.68	660.00	6.36
60.00	21.58	370.00	10.59	670.00	6.32
70.00	21.25	380.00	10.26	680.00	6.27
80.00	20.44	390.00	10.08	690.00	6.20
90.00	20.40	400.00	9.90	700.00	6.11
100.00	19.68	410.00	9.84		
110.00	18.78	420.00	9.72		
120.00	17.85	430.00	9.50		
130.00	17.29	440.00	9.31		
140.00	16.86	450.00	9.24		
150.00	16.44	460.00	9.06		
160.00	16.18	470.00	8.78		
170.00	16.05	480.00	8.73		
180.00	15.73	490.00	8.61		
190.00	15.46	500.00	8.46		
200.00	15.02	510.00	8.29		
210.00	14.65	520.00	8.07		
220.00	14.44	530.00	7.88		
230.00	14.18	540.00	7.73		
240.00	13.79	550.00	7.55		
250.00	13.48	560.00	7.43		
260.00	13.18	570.00	7.32		
270.00	12.92	580.00	7.19		
280.00	12.70	590.00	7.09		
290.00	12.42	600.00	6.95		
300.00	12.24				

Cruise: GULFCET 05  
Latitude: 29° 02.95' N

Station: 13-131  
Longitude: 88° 09.96' W

Probe Type: T-20  
Date: 25-May-1993 Time: 1911

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.66	310.00	11.93	610.00	7.31
10.00	24.87	320.00	11.63	620.00	7.16
20.00	24.85	330.00	11.42	630.00	7.07
30.00	23.93	340.00	11.21	640.00	7.02
40.00	23.41	350.00	11.03	650.00	6.91
50.00	22.43	360.00	10.56	660.00	6.78
60.00	21.60	370.00	10.31	670.00	6.63
70.00	21.28	380.00	10.19	680.00	6.57
80.00	20.76	390.00	10.16	690.00	6.44
90.00	20.48	400.00	9.98		
100.00	19.34	410.00	9.83		
110.00	18.96	420.00	9.74		
120.00	18.38	430.00	9.65		
130.00	17.79	440.00	9.59		
140.00	17.32	450.00	9.51		
150.00	16.77	460.00	9.37		
160.00	16.33	470.00	9.19		
170.00	16.06	480.00	9.09		
180.00	15.75	490.00	8.99		
190.00	15.46	500.00	8.85		
200.00	15.20	510.00	8.78		
210.00	15.00	520.00	8.64		
220.00	14.65	530.00	8.57		
230.00	14.31	540.00	8.40		
240.00	14.01	550.00	8.21		
250.00	13.72	560.00	7.86		
260.00	13.45	570.00	7.66		
270.00	13.24	580.00	7.54		
280.00	12.94	590.00	7.43		
290.00	12.60	600.00	7.36		
300.00	12.26				

Cruise: GULFCET 05  
Latitude: 28° 49.00' N

Station: 13-132  
Longitude: 88° 10.00' W

Probe Type: T-20  
Date: 25-May-1993 Time: 1711

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.50	310.00	11.60	610.00	7.01	910.00	5.23
10.00	25.39	320.00	11.43	620.00	6.93	920.00	5.20
20.00	25.29	330.00	11.23	630.00	6.86	930.00	5.18
30.00	24.29	340.00	11.04	640.00	6.80	940.00	5.16
40.00	23.63	350.00	10.83	650.00	6.76	950.00	5.12
50.00	22.42	360.00	10.67	660.00	6.68	960.00	5.10
60.00	22.00	370.00	10.47	670.00	6.57	970.00	5.08
70.00	21.58	380.00	10.25	680.00	6.47	980.00	5.03
80.00	21.01	390.00	10.06	690.00	6.36	990.00	4.98
90.00	20.49	400.00	9.98	700.00	6.31		
100.00	20.14	410.00	9.82	710.00	6.23		
110.00	19.55	420.00	9.61	720.00	6.17		
120.00	18.79	430.00	9.38	730.00	6.07		
130.00	17.80	440.00	9.30	740.00	6.00		
140.00	17.39	450.00	9.12	750.00	5.97		
150.00	16.68	460.00	8.96	760.00	5.91		
160.00	16.38	470.00	8.75	770.00	5.84		
170.00	15.77	480.00	8.63	780.00	5.81		
180.00	15.49	490.00	8.50	790.00	5.73		
190.00	15.11	500.00	8.33	800.00	5.69		
200.00	14.74	510.00	8.19	810.00	5.64		
210.00	14.39	520.00	8.06	820.00	5.58		
220.00	14.14	530.00	7.98	830.00	5.54		
230.00	13.82	540.00	7.86	840.00	5.50		
240.00	13.45	550.00	7.69	850.00	5.44		
250.00	13.18	560.00	7.58	860.00	5.40		
260.00	12.94	570.00	7.45	870.00	5.34		
270.00	12.68	580.00	7.33	880.00	5.33		
280.00	12.42	590.00	7.22	890.00	5.29		
290.00	12.14	600.00	7.13	900.00	5.25		
300.00	11.86						



Cruise: GULFCET 05  
Latitude: 29° 03.88' N

Station: 14-137  
Longitude: 87° 29.84' W

Probe Type: T-20  
Date: 25-May-1993 Time: 0319

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.98	310.00	11.49	610.00	6.79
10.00	23.87	320.00	11.27	620.00	6.71
20.00	24.04	330.00	11.10	630.00	6.58
30.00	22.23	340.00	10.90	640.00	6.42
40.00	21.52	350.00	10.69	650.00	6.38
50.00	20.51	360.00	10.65	660.00	6.33
60.00	19.68	370.00	10.40	670.00	6.25
70.00	19.02	380.00	10.25	680.00	6.14
80.00	18.80	390.00	10.01		
90.00	18.42	400.00	9.81		
100.00	18.77	410.00	9.44		
110.00	18.46	420.00	9.20		
120.00	17.99	430.00	9.08		
130.00	17.48	440.00	8.84		
140.00	17.04	450.00	8.65		
150.00	16.79	460.00	8.46		
160.00	16.38	470.00	8.30		
170.00	15.89	480.00	8.17		
180.00	15.44	490.00	8.00		
190.00	15.10	500.00	7.91		
200.00	14.69	510.00	7.82		
210.00	14.31	520.00	7.79		
220.00	13.90	530.00	7.61		
230.00	13.64	540.00	7.51		
240.00	13.27	550.00	7.42		
250.00	12.92	560.00	7.31		
260.00	12.57	570.00	7.18		
270.00	12.34	580.00	7.08		
280.00	12.26	590.00	7.04		
290.00	11.98	600.00	6.97		
300.00	11.66				

Cruise: GULFCET 05  
Latitude: 29° 15.02' N

Station: 14-138  
Longitude: 87° 29.99' W

Probe Type: T-20  
Date: 25-May-1993 Time: 0147

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.22	310.00	11.97	610.00	6.85
10.00	23.81	320.00	11.55	620.00	6.80
20.00	23.27	330.00	11.33	630.00	6.79
30.00	22.68	340.00	11.10	640.00	6.70
40.00	20.56	350.00	10.94	650.00	6.59
50.00	19.79	360.00	10.74	660.00	6.48
60.00	18.97	370.00	10.60	670.00	6.41
70.00	18.59	380.00	10.35	680.00	6.35
80.00	18.50	390.00	10.16	690.00	6.29
90.00	18.36	400.00	9.77	700.00	6.22
100.00	18.11	410.00	9.50	710.00	6.17
110.00	17.85	420.00	9.44	720.00	6.10
120.00	17.82	430.00	9.24	730.00	6.02
130.00	17.59	440.00	9.07	740.00	5.98
140.00	17.44	450.00	8.82	750.00	5.95
150.00	17.24	460.00	8.69	760.00	5.91
160.00	16.82	470.00	8.55	770.00	5.83
170.00	16.49	480.00	8.42	780.00	5.74
180.00	15.90	490.00	8.34	790.00	5.64
190.00	15.41	500.00	8.10		
200.00	15.20	510.00	8.00		
210.00	14.31	520.00	7.96		
220.00	14.00	530.00	7.78		
230.00	13.83	540.00	7.63		
240.00	13.69	550.00	7.56		
250.00	13.44	560.00	7.47		
260.00	13.20	570.00	7.32		
270.00	13.01	580.00	7.19		
280.00	12.62	590.00	7.10		
290.00	12.39	600.00	6.96		
300.00	12.19				

**Cruise:** GULFCET 05  
**Latitude:** 29° 16.96' N

**Station:** 14-139  
**Longitude:** 87° 30.04' W

**Probe Type:** T-7  
**Date:** 25-May-1993 **Time:** 0130

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.23	310.00	11.83
10.00	23.79	320.00	11.65
20.00	23.37	330.00	11.54
30.00	22.20	340.00	11.29
40.00	20.35		
50.00	19.70		
60.00	18.88		
70.00	18.61		
80.00	18.39		
90.00	18.24		
100.00	17.99		
110.00	17.96		
120.00	17.73		
130.00	17.55		
140.00	17.21		
150.00	17.00		
160.00	16.74		
170.00	16.52		
180.00	15.97		
190.00	15.36		
200.00	15.10		
210.00	14.67		
220.00	14.34		
230.00	13.91		
240.00	13.43		
250.00	13.08		
260.00	12.91		
270.00	12.77		
280.00	12.38		
290.00	12.21		
300.00	12.19		

**Cruise:** GULFCET 05  
**Latitude:** 29° 20.00' N

**Station:** 14-140  
**Longitude:** 87° 30.00' W

**Probe Type:** T-7  
**Date:** 25-May-1993 **Time:** 0107

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.68	310.00	11.93
10.00	23.88	320.00	11.85
20.00	23.77	330.00	11.73
30.00	23.64	340.00	11.64
40.00	22.09	350.00	11.38
50.00	20.37	360.00	10.97
60.00	19.69	370.00	10.66
70.00	18.75	380.00	10.23
80.00	18.40	390.00	10.08
90.00	18.17	400.00	9.84
100.00	18.01	410.00	9.70
110.00	17.95	420.00	9.53
120.00	18.16	430.00	9.28
130.00	18.07	440.00	9.19
140.00	17.67		
150.00	17.10		
160.00	16.57		
170.00	16.21		
180.00	15.84		
190.00	15.54		
200.00	15.12		
210.00	14.75		
220.00	14.31		
230.00	14.03		
240.00	13.78		
250.00	13.47		
260.00	13.11		
270.00	12.79		
280.00	12.70		
290.00	12.52		
300.00	12.38		

**Cruise:** GULFCET 05  
**Latitude:** 29° 24.55' N

**Station:** 14-142  
**Longitude:** 87° 29.94' W

**Probe Type:** T-10  
**Date:** 25-May-1993 **Time:** 0025

Depth (m)	Temp. (°C)
0.00	23.73
10.00	23.89
20.00	22.96
30.00	20.94
40.00	20.59
50.00	20.16
60.00	19.37
70.00	19.13
80.00	18.82
90.00	18.23
100.00	18.07
110.00	17.93
120.00	17.89
130.00	17.44
140.00	17.05
150.00	16.46
160.00	15.96
170.00	15.79

**CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:**

-DATA SUMMARY TABLES

-PLOTS OF TEMPERATURE, SALINITY, AND SOUND  
VELOCITY VERSUS DEPTH

- PLOTS OF TEMPERATURE VERSUS SALINITY VERSUS DENSITY FOR :  
ALL CTD STATIONS, OFFSHORE STATIONS (STATIONS AT THE 2000 M  
ISOBATH), INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT  
STATIONS 11-106 AND 12-125)), AND EVERY TWO TRACK LINES  
COMBINED

**Cruise:** GULFCET 05      **Station:** 03-021  
**Date:** 3-Jun-93      **Time:** 0432      **Lat:** 27 56.04      **Long:** 94 49.95  
**Depth:** 102 m      **Wind Dir:** 180 °      **Wind Speed:** 11. m/s      **Wave Dir:** 180°  
**Barometer:** 29.71 in.      **Air Temp Dry:** 24.1 °C      **Air Temp Wet:** 23.1 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.480	25.478	31.104	20.257	748.65	1531.53	4.950	.182	10.07
20	22.516	22.512	33.855	23.205	466.69	1527.27	5.058	.347	20.14
30	22.371	22.365	35.425	24.438	349.43	1528.79	4.964	.370	30.20
50	19.881	19.872	35.726	25.349	263.39	1522.79	4.174	.311	50.34
75	19.357	19.343	35.851	25.581	242.16	1521.88	4.026	.272	75.52

**Cruise:** GULFCET 05      **Station:** 03-026  
**Date:** 2-Jun-93      **Time:** 2352      **Lat:** 27 26.07      **Long:** 94 49.99  
**Depth:** 905 m      **Wind Dir:** 164.7°      **Wind Speed:** 9.5 m/s      **Wave Dir:** °  
**Barometer:** 29.76 in      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.391	25.389	33.979	22.453	538.21	1534.40	4.915	.120	10.07
20	24.624	24.620	34.449	23.040	482.46	1533.22	4.999	.105	20.14
30	25.051	25.044	35.564	23.754	414.68	1535.63	4.910	.116	30.20
50	23.858	23.847	36.200	24.594	335.42	1533.74	4.983	.158	50.34
75	20.962	20.947	35.921	25.207	277.81	1526.37	4.211	.380	75.52
100	18.682	18.664	36.369	26.150	188.92	1520.97	3.397	.143	100.69
125	17.168	17.147	36.264	26.445	161.56	1516.86	3.140	.073	125.88
150	16.402	16.377	36.181	26.564	151.01	1514.88	3.094	.055	151.06
200	14.541	14.511	35.902	26.769	132.60	1509.60	3.074	.049	201.44
250	12.874	12.839	35.643	26.917	119.34	1504.69	2.991	.053	251.83
300	11.599	11.560	35.444	27.011	111.19	1500.96	2.952	.054	302.23
400	10.225	10.177	35.248	27.107	103.53	1497.57	2.869	.063	403.07

**Cruise:** GULFCET 05      **Station:** 03-029  
**Date:** 2-Jun-93      **Time:** 1733      **Lat:** 26 45.93      **Long:** 94 50.03  
**Depth:** 1420 m      **Wind Dir:** 184 °      **Wind Speed:** 4.5 m/s      **Wave Dir:** 180°  
**Barometer:** 29.76 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** 22 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.605	25.602	33.588	22.092	572.73	1534.49	4.950	.134	10.07
20	24.937	24.933	33.989	22.598	524.64	1533.49	4.987	.153	20.14
30	24.639	24.633	34.876	23.359	452.40	1533.89	4.967	.154	30.20
50	22.965	22.955	36.106	24.785	317.23	1531.40	4.930	.706	50.34
75	20.996	20.982	36.232	25.435	256.18	1526.81	4.475	.284	75.52
100	19.293	19.275	36.414	26.028	200.64	1522.75	3.747	.115	100.69
125	17.529	17.508	36.320	26.400	165.90	1517.99	3.194	.077	125.88
150	16.270	16.246	36.167	26.584	149.03	1514.46	3.142	.051	151.06
200	14.289	14.259	35.850	26.783	131.16	1508.73	3.158	.048	201.44
250	12.897	12.863	35.640	26.911	120.01	1504.76	2.968	.050	251.83
300	11.580	11.541	35.429	27.003	111.93	1500.88	3.118	.056	302.23
400	9.549	9.503	35.140	27.138	100.06	1495.01	3.067	.060	403.07

**Cruise:** GULFCET 05      **Station:** 03-030  
**Date:** 2-Jun-93          **Time:** 1135              **Lat:** 26 16.99              **Long:** 94 49.99  
**Depth:** 2000 m          **Wind Dir:** 195 °          **Wind Speed:** 4.4 m/s      **Wave Dir:** 220°  
**Barometer:** 29.80 in.   **Air Temp Dry:** 28 °C   **Air Temp Wet:** 25 °C      **Secchi Depth:** 25 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.930	24.928	35.057	23.408	446.96	1534.45	5.051	.091	10.07
20	24.910	24.906	35.614	23.835	406.61	1535.18	5.101	.103	20.14
30	24.725	24.718	35.893	24.102	381.56	1535.20	5.045	.121	30.20
50	22.870	22.860	35.942	24.687	326.46	1530.98	5.340	.217	50.34
75	21.326	21.312	36.078	25.227	275.99	1527.52	5.557	.186	75.52
100	19.547	19.529	36.332	25.899	212.89	1523.37	4.238	.299	100.69
125	18.082	18.060	36.386	26.314	174.13	1519.68	3.497	.137	125.88
150	16.223	16.199	36.143	26.576	149.79	1514.29	3.429	.057	151.06
200	13.947	13.918	35.815	26.829	126.73	1507.58	3.285	.051	201.44
250	12.681	12.647	35.611	26.931	117.97	1504.01	3.238	.049	251.83
300	11.559	11.521	35.440	27.016	110.70	1500.82	3.185	.053	302.23
400	9.046	9.002	35.096	27.186	95.12	1493.12	3.269	.056	403.07
500	7.079	7.031	34.922	27.347	79.99	1487.15	3.698	.057	503.96

**Cruise:** GULFCET 05      **Station:** 04-031  
**Date:** 2-Jun-93          **Time:** 0722              **Lat:** 26 17.02              **Long:** 94 10.00  
**Depth:** 2000 m          **Wind Dir:** 183 °          **Wind Speed:** 4.8 m/s      **Wave Dir:** °  
**Barometer:** 29.78 in.   **Air Temp Dry:** 23.4 °C   **Air Temp Wet:** 22.6 °C      **Secchi Depth:** 30 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.484	25.481	34.936	23.147	471.86	1535.65	4.866	.107	10.07
20	24.862	24.858	35.751	23.953	395.35	1535.21	4.879	.084	20.14
30	22.876	22.870	35.773	24.557	338.10	1530.47	5.238	.090	30.20
50	21.364	21.354	36.066	25.207	276.92	1527.19	5.351	.129	50.34
75	19.943	19.929	36.262	25.741	227.01	1523.98	4.564	.387	75.52
100	17.631	17.614	36.330	26.383	166.67	1517.88	3.226	.204	100.69
125	15.783	15.763	36.084	26.633	143.56	1512.45	3.264	.097	125.88
150	14.570	14.548	35.905	26.765	131.54	1508.86	3.203	.057	151.06
200	12.906	12.879	35.650	26.916	118.13	1503.97	3.062	.053	201.44
250	11.323	11.292	35.422	27.046	106.55	1499.15	3.076	.057	251.83
300	10.125	10.089	35.236	27.115	100.52	1495.54	3.079	.056	302.23
400	8.670	8.626	35.053	27.212	92.36	1491.67	3.169	.061	403.07
500	7.276	7.227	34.926	27.322	82.50	1487.91	3.381	.062	503.96

**Cruise:** GULFCET 05      **Station:** 04-033  
**Date:** 2-Jun-93          **Time:** 0232              **Lat:** 26 46.00              **Long:** 94 09.98  
**Depth:** 1350 m          **Wind Dir:** 200 °          **Wind Speed:** 4.5 m/s      **Wave Dir:** °  
**Barometer:** 29.77 in.   **Air Temp Dry:** 23 °C   **Air Temp Wet:** 22 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.057	25.055	35.267	23.528	435.49	1534.99	4.934	.112	10.07
20	24.067	24.062	35.575	24.058	385.26	1533.07	5.114	.096	20.14
30	23.186	23.179	35.773	24.468	346.58	1531.26	5.150	.095	30.20
50	21.703	21.693	36.170	25.192	278.41	1528.20	5.334	.132	50.34
75	20.180	20.165	36.277	25.689	231.94	1524.64	4.765	.313	75.52
100	18.203	18.186	36.406	26.300	174.66	1519.64	3.215	.176	100.69
125	16.637	16.616	36.224	26.542	152.30	1515.22	3.147	.105	125.88
150	15.564	15.540	36.063	26.666	141.11	1512.17	3.246	.064	151.06
200	13.752	13.723	35.773	26.838	125.82	1506.90	3.268	.055	201.44
250	12.159	12.126	35.517	26.961	114.94	1502.14	3.130	.056	251.83
300	10.920	10.882	35.341	27.056	106.54	1498.48	3.061	.061	302.23
400	9.264	9.218	35.120	27.170	96.83	1493.94	3.052	.061	403.07

**Cruise:** GULFCET 05      **Station:** 04-036  
**Date:** 1-Jun-93          **Time:** 2020      **Lat:** 27 26.02      **Long:** 94 09.98  
**Depth:** 826 m          **Wind Dir:** 39 °      **Wind Speed:** 3.7 m/s      **Wave Dir:** °  
**Barometer:** 29.82 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.955	24.952	34.194	22.748	509.99	1533.58	4.964	.111	10.07
20	24.129	24.125	34.885	23.518	436.83	1532.48	5.064	.104	20.14
30	22.647	22.641	35.567	24.467	346.71	1529.66	5.272	.113	30.20
50	20.725	20.715	35.781	25.165	280.89	1525.16	5.333	.202	50.34
75	19.617	19.603	36.226	25.799	221.44	1523.03	4.284	.359	75.52
100	18.291	18.274	36.356	26.240	180.40	1519.84	3.299	.162	100.69
125	16.641	16.621	36.207	26.528	153.67	1515.21	3.188	.085	125.88
150	15.874	15.850	36.105	26.628	144.79	1513.18	3.269	.064	151.06
200	13.874	13.845	35.784	26.821	127.49	1507.31	3.232	.055	201.44
250	12.510	12.476	35.568	26.932	117.82	1503.38	3.198	.055	251.83
300	11.207	11.169	35.368	27.025	109.66	1499.52	3.143	.059	302.23
400	9.514	9.468	35.135	27.140	99.82	1494.87	3.067	.061	403.07

**Cruise:** GULFCET 05      **Station:** 04-042  
**Date:** 1-Jun-93          **Time:** 1350      **Lat:** 27 54.07      **Long:** 94 10.15  
**Depth:** 96 m          **Wind Dir:** 32.5 °      **Wind Speed:** 5.3 m/s      **Wave Dir:** 30 °  
**Barometer:** 29.83 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** 27 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.705	24.703	34.028	22.697	514.81	1532.80	5.005	.136	10.07
20	24.046	24.041	35.272	23.835	406.54	1532.69	4.997	.142	20.14
30	22.358	22.352	35.646	24.609	333.10	1529.00	5.246	.139	30.20
50	20.608	20.599	36.006	25.368	261.61	1525.09	5.189	.458	50.34
75	19.323	19.310	36.041	25.735	227.52	1522.00	4.527	.346	75.52

**Cruise:** GULFCET 05      **Station:** 05-043  
**Date:** 1-Jun-93          **Time:** 1010      **Lat:** 27 59.93      **Long:** 93 30.00  
**Depth:** 94 m          **Wind Dir:** 30 °      **Wind Speed:** 21 m/s      **Wave Dir:** 30 °  
**Barometer:** 29.84 in.      **Air Temp Dry:** 24 °C      **Air Temp Wet:** 21 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.989	24.987	34.572	23.023	483.68	1534.07	5.157	.101	10.07
20	23.350	23.346	35.317	24.074	383.71	1531.01	5.373	.101	20.14
30	21.723	21.717	35.448	24.637	330.46	1527.12	5.541	.120	30.20
50	21.631	21.621	36.192	25.228	274.93	1528.04	5.473	.170	50.34
75	19.455	19.441	36.148	25.783	223.01	1522.49	4.639	.403	75.52

**Cruise:** GULFCET 05      **Station:** 05-047  
**Date:** 1-Jun-93      **Time:** 0432      **Lat:** 26.02      **Long:** 93 29.98  
**Depth:** 575 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.910	24.907	35.117	23.459	442.08	1534.47	4.896	.112	10.07
20	24.454	24.450	35.354	23.775	412.24	1533.79	4.996	.096	20.14
30	23.036	23.030	35.920	24.623	331.84	1531.04	5.213	.100	30.20
50	22.178	22.168	36.034	24.955	300.98	1529.29	5.340	.125	50.34
75	20.499	20.485	36.247	25.581	242.26	1525.48	4.918	.265	75.52
100	18.783	18.765	36.467	26.200	184.24	1521.37	3.643	.192	100.69
125	17.105	17.084	36.256	26.454	160.70	1516.66	3.364	.131	125.88
150	16.693	16.668	36.210	26.518	155.41	1515.79	3.315	.088	151.06
200	15.134	15.103	35.982	26.700	139.29	1511.57	3.294	.057	201.44
250	13.026	12.991	35.644	26.887	122.26	1505.19	3.382	.055	251.83
300	11.620	11.581	35.441	27.005	111.73	1501.03	3.283	.060	302.23
400	9.652	9.606	35.151	27.130	100.94	1495.40	3.172	.062	403.07
500	8.125	8.073	34.963	27.226	92.44	1491.19	3.271	.065	503.96

**Cruise:** GULFCET 05      **Station:** 05-050  
**Date:** 31-May-93      **Time:** 2224      **Lat:** 26 46.01      **Long:** 93 29.99  
**Depth:** 1470 m      **Wind Dir:** 3.8 °      **Wind Speed:** 4.4 m/s      **Wave Dir:** °  
**Barometer:** 29.81 in.      **Air Temp Dry:** 24.5 °C      **Air Temp Wet:** 23.5 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.095	25.093	34.661	23.058	480.33	1534.43	4.864	.139	10.07
20	24.676	24.672	35.852	24.085	382.71	1534.87	4.954	.132	20.14
30	22.991	22.985	35.932	24.645	329.73	1530.94	5.192	.128	30.20
50	21.560	21.551	36.086	25.168	280.67	1527.73	5.313	.167	50.34
75	20.079	20.065	36.290	25.727	228.41	1524.38	5.106	.333	75.52
100	17.919	17.902	36.343	26.322	172.49	1518.74	3.289	.175	100.69
125	16.350	16.330	36.165	26.564	150.17	1514.28	3.180	.095	125.88
150	15.363	15.340	36.023	26.681	139.70	1511.50	3.120	.054	151.06
200	13.764	13.735	35.773	26.835	126.07	1506.94	3.053	.053	201.44
250	11.890	11.857	35.478	26.982	112.81	1501.17	3.088	.056	251.83
300	10.806	10.769	35.331	27.069	105.21	1498.07	2.981	.056	302.23
400	8.999	8.954	35.093	27.191	94.61	1492.94	3.097	.062	403.07

**Cruise:** GULFCET 05      **Station:** 05-053  
**Date:** 31-May-93      **Time:** 1645      **Lat:** 26 09.98      **Long:** 93 30.07  
**Depth:** 2000 m      **Wind Dir:** 22.4 °      **Wind Speed:** 4.3 m/s      **Wave Dir:** 10 °  
**Barometer:** 29.75 in.      **Air Temp Dry:** 24.8 °C      **Air Temp Wet:** 22.5 °C      **Secchi Depth:** 26 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.372	25.370	35.396	23.528	435.45	1535.88	4.822	.176	10.07
20	24.870	24.866	35.660	23.882	402.13	1535.13	4.920	.103	20.14
30	23.240	23.234	35.984	24.612	332.88	1531.63	5.160	.111	30.20
50	21.421	21.411	36.145	25.251	272.77	1527.43	5.329	.147	50.34
75	19.951	19.937	36.294	25.764	224.85	1524.03	4.897	.306	75.52
100	18.351	18.334	36.348	26.218	182.47	1520.00	3.489	.163	100.69
125	16.127	16.107	36.127	26.586	148.02	1513.56	3.071	.103	125.88
150	14.565	14.543	35.888	26.753	132.64	1508.82	3.012	.060	151.06
200	11.832	11.806	35.476	26.992	110.57	1500.14	3.061	.056	201.44
250	10.230	10.200	35.248	27.106	100.30	1495.10	3.105	.060	251.83
300	9.336	9.302	35.123	27.160	95.77	1492.55	3.132	.062	302.23
400	7.882	7.841	34.978	27.274	85.87	1488.63	3.174	.063	403.07



**Cruise:** GULFCET 05      **Station:** 06-054  
**Date:** 31-May-93      **Time:** 1225      **Lat:** 26 13.95      **Long:** 92 49.94  
**Depth:** 2000 m      **Wind Dir:** 318 °      **Wind Speed:** 6.3 m/s      **Wave Dir:** 310°  
**Barometer:** 29.80 in.      **Air Temp Dry:** 23.5 °C      **Air Temp Wet:** 22.5 °C      **Secchi Depth:** 26 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.804	25.802	35.605	23.553	433.11	1537.13	4.696	.095	10.07
20	26.099	26.095	35.988	23.750	414.76	1538.39	4.656	.088	20.14
30	24.816	24.809	35.885	24.068	384.77	1535.41	4.816	.100	30.20
50	22.671	22.660	36.110	24.872	308.87	1530.65	4.694	.622	50.34
75	19.928	19.914	36.379	25.834	218.18	1524.07	3.626	.277	75.52
100	17.842	17.825	36.363	26.357	169.22	1518.54	3.213	.097	100.69
125	16.256	16.236	36.154	26.577	148.89	1513.99	3.093	.056	125.88
150	15.238	15.215	36.002	26.693	138.52	1511.08	3.132	.055	151.06
200	13.259	13.231	35.693	26.878	121.84	1505.19	3.025	.053	201.44
250	11.605	11.573	35.441	27.008	110.27	1500.15	2.995	.057	251.83
300	10.407	10.371	35.264	27.088	103.23	1496.58	3.039	.059	302.23
400	8.926	8.882	35.083	27.196	94.16	1492.66	2.932	.063	403.07

**Cruise:** GULFCET 05      **Station:** 06-055  
**Date:** 31-May-93      **Time:** 0719      **Lat:** 26 46.03      **Long:** 92 50.03  
**Depth:** 1745 m      **Wind Dir:** 60 °      **Wind Speed:** 2.4 m/s      **Wave Dir:** 320°  
**Barometer:** 29.77 in.      **Air Temp Dry:** 24.5 °C      **Air Temp Wet:** 25.2 °C      **Secchi Depth:** 26 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.416	25.414	35.015	23.227	464.17	1535.57	4.880	.104	10.07
20	24.975	24.970	35.685	23.869	403.38	1535.41	4.798	.090	20.14
30	23.686	23.679	35.843	24.374	355.54	1532.59	5.024	.091	30.20
50	21.574	21.564	36.056	25.141	283.21	1527.73	5.127	.144	50.34
75	19.872	19.858	36.319	25.803	221.11	1523.84	4.000	.267	75.52
100	18.224	18.207	36.358	26.258	178.69	1519.64	3.266	.157	100.69
125	16.658	16.637	36.225	26.537	152.76	1515.29	3.200	.093	125.88
150	15.618	15.594	36.073	26.662	141.55	1512.35	3.207	.065	151.06
200	13.865	13.836	35.800	26.835	126.16	1507.30	3.216	.050	201.44
250	12.413	12.379	35.567	26.950	116.05	1503.05	3.138	.056	251.83
300	11.501	11.462	35.424	27.014	110.86	1500.60	3.059	.058	302.23
400	9.526	9.480	35.162	27.159	98.09	1494.95	2.988	.060	403.07

**Cruise:** GULFCET 05      **Station:** 06-059  
**Date:** 31-May-93      **Time:** 0109      **Lat:** 27 25.94      **Long:** 92 50.00  
**Depth:** 1035 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.906	24.904	35.783	23.964	393.90	1535.18	4.872	.093	10.07
20	24.776	24.772	36.154	24.284	363.79	1535.43	4.905	.088	20.14
30	23.884	23.878	36.209	24.593	334.68	1533.48	5.039	.094	30.20
50	22.742	22.732	36.216	24.933	303.13	1530.95	5.220	.133	50.34
75	20.377	20.363	36.405	25.735	227.65	1525.33	4.567	.345	75.52
100	19.044	19.026	36.484	26.146	189.38	1522.13	3.737	.191	100.69
125	17.384	17.363	36.320	26.436	162.45	1517.56	3.527	.133	125.88
150	16.067	16.043	36.139	26.609	146.63	1513.81	3.496	.070	151.06
200	14.468	14.438	35.889	26.775	132.03	1509.35	3.461	.056	201.44
250	12.905	12.870	35.620	26.893	121.65	1504.77	3.332	.056	251.83
300	11.467	11.428	35.410	27.010	111.23	1500.47	3.268	.059	302.23
400	9.446	9.401	35.122	27.141	99.71	1494.61	3.176	.061	403.07
500	7.666	7.615	34.932	27.270	87.77	1489.41	3.319	.064	503.96

**Cruise:** GULFCET 05      **Station:** 06-064  
**Date:** 30-May-93      **Time:** 1934      **Lat:** 28 01.98      **Long:** 92 50.08  
**Depth:** 96 m      **Wind Dir:** 107 °      **Wind Speed:** 3.6 m/s      **Wave Dir:** 90 °  
**Barometer:** 29.79 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** 37 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.234	25.231	36.180	24.164	374.87	1536.39	4.855	.083	10.07
20	24.899	24.894	36.180	24.266	365.47	1535.76	4.875	.077	20.14
30	23.916	23.909	36.235	24.604	333.71	1533.59	5.055	.089	30.20
50	22.771	22.761	36.401	25.064	290.61	1531.23	5.165	.117	50.34
75	20.237	20.223	36.319	25.706	230.32	1524.85	4.588	.477	75.52

**Cruise:** GULFCET 05      **Station:** 07-065  
**Date:** 30-May-93      **Time:** 1540      **Lat:** 28 02.01      **Long:** 92 10.00  
**Depth:** 101 m      **Wind Dir:** 85 °      **Wind Speed:** 2.8 m/s      **Wave Dir:** 90 °  
**Barometer:** 29.82 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 23.5 °C      **Secchi Depth:** 27 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.047	25.045	36.116	24.172	374.01	1535.88	4.776	.093	10.07
20	24.789	24.785	36.099	24.238	368.14	1535.41	4.832	.085	20.14
30	23.481	23.475	36.215	24.717	322.92	1532.48	5.078	.092	30.20
50	22.561	22.551	36.295	25.045	292.47	1530.57	5.182	.116	50.34
75	20.828	20.814	36.501	25.686	232.35	1526.66	4.460	.416	75.52

**Cruise:** GULFCET 05      **Station:** 07-071  
**Date:** 30-May-93      **Time:** 0946      **Lat:** 27 26.02      **Long:** 92 10.00  
**Depth:** 814 m      **Wind Dir:** 42 °      **Wind Speed:** 3.3 m/s      **Wave Dir:**  
**Barometer:** 29.88 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 24 °C      **Secchi Depth:** 30 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.088	25.085	35.920	24.012	389.31	1535.76	4.911	.083	10.07
20	24.690	24.686	36.083	24.256	366.46	1535.15	4.978	.074	20.14
30	23.396	23.390	36.257	24.774	317.50	1532.32	5.232	.085	30.20
50	22.232	22.222	36.293	25.137	283.68	1529.72	5.384	.113	50.34
75	20.723	20.709	36.450	25.675	233.33	1526.32	4.789	.312	75.52
100	19.582	19.564	36.625	26.113	192.55	1523.80	3.917	.189	100.69
125	18.400	18.378	36.513	26.332	172.55	1520.75	3.884	.111	125.88
150	17.406	17.380	36.370	26.469	160.21	1518.10	4.050	.063	151.06
200	15.524	15.493	36.063	26.675	141.82	1512.88	3.652	.055	201.44
250	13.524	13.488	35.732	26.854	125.66	1506.94	3.576	.053	251.83
300	12.185	12.145	35.518	26.956	116.63	1503.06	3.451	.057	302.23
400	9.993	9.946	35.196	27.107	103.36	1496.68	3.289	.062	403.07
500	8.430	8.376	34.999	27.208	94.42	1492.38	3.305	.062	503.96

**Cruise:** GULFCET 05      **Station:** 07-073  
**Date:** 30-May-93      **Time:** 0104      **Lat:** 26 45.93      **Long:** 92 10.00  
**Depth:** 1800 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.450	25.448	36.102	24.038	386.86	1536.82	4.755	.077	10.07
20	24.805	24.800	36.037	24.187	373.06	1535.38	4.852	.075	20.14
30	23.722	23.716	36.129	24.580	335.92	1532.99	4.994	.122	30.20
50	22.752	22.741	36.397	25.067	290.35	1531.17	5.096	.109	50.34
75	20.594	20.580	36.254	25.561	244.17	1525.75	5.093	.220	75.52
100	19.688	19.669	36.364	25.887	214.04	1523.80	4.350	.254	100.69
125	17.625	17.603	36.346	26.398	166.17	1518.30	3.419	.150	125.88
150	16.488	16.463	36.210	26.566	150.84	1515.17	3.445	.089	151.06
200	14.699	14.668	35.923	26.751	134.35	1510.12	3.302	.056	201.44
250	13.001	12.966	35.649	26.896	121.40	1505.12	3.184	.055	251.83
300	11.905	11.865	35.479	26.980	114.22	1502.06	3.129	.059	302.23
400	9.638	9.592	35.151	27.132	100.71	1495.34	3.113	.066	403.07
500	8.008	7.956	34.965	27.245	90.50	1490.75	3.037	.069	503.96

**Cruise:** GULFCET 05      **Station:** 07-075  
**Date:** 29-May-93      **Time:** 2028      **Lat:** 26 17.02      **Long:** 92 10.06  
**Depth:** 2000 m      **Wind Dir:** 43 °      **Wind Speed:** 5.2 m/s      **Wave Dir:** °  
**Barometer:** 29.90 in.      **Air Temp Dry:** 25.2 °C      **Air Temp Wet:** 24 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	26.609	26.606	36.056	23.640	424.79	1539.47	4.587	.059	10.07
20	25.989	25.985	36.049	23.830	407.08	1538.20	4.638	.060	20.14
30	25.441	25.434	36.089	24.031	388.30	1537.13	4.689	.072	30.20
50	23.629	23.618	36.253	24.702	325.14	1533.23	5.011	.094	50.34
75	21.437	21.422	36.062	25.184	280.11	1527.80	5.230	.170	75.52
100	20.001	19.983	36.306	25.759	226.21	1524.61	4.358	.261	100.69
125	17.623	17.602	36.314	26.373	168.49	1518.26	3.175	.123	125.88
150	16.534	16.509	36.201	26.548	152.49	1515.30	3.122	.060	151.06
200	14.328	14.298	35.864	26.786	130.93	1508.87	3.089	.050	201.44
250	12.790	12.755	35.620	26.917	119.39	1504.38	2.986	.055	251.83
300	11.244	11.206	35.389	27.034	108.78	1499.67	2.903	.056	302.23
400	9.727	9.681	35.178	27.138	100.21	1495.70	2.910	.063	403.07

**Cruise:** GULFCET 05      **Station:** 08-076  
**Date:** 29-May-93      **Time:** 1538      **Lat:** 26 36.91      **Long:** 91 29.82  
**Depth:** 2000 m      **Wind Dir:** 52.8 °      **Wind Speed:** 4.1 m/s      **Wave Dir:** 80 °  
**Barometer:** 29.90 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 24.5 °C      **Secchi Depth:** 28 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.172	25.170	35.862	23.942	396.00	1535.90	4.986	.145	10.07
20	24.925	24.921	36.333	24.374	355.22	1535.99	5.009	.087	20.14
30	24.695	24.688	36.344	24.452	348.15	1535.61	5.001	.098	30.20
50	21.560	21.550	36.388	25.398	258.81	1528.06	5.192	.221	50.34
75	19.822	19.808	36.471	25.933	208.81	1523.88	4.138	.285	75.52
100	17.881	17.863	36.361	26.346	170.29	1518.65	3.527	.178	100.69
125	16.415	16.395	36.187	26.565	150.05	1514.51	3.386	.092	125.88
150	15.264	15.241	36.008	26.691	138.68	1511.17	3.379	.067	151.06
200	13.509	13.480	35.730	26.855	124.10	1506.06	3.193	.055	201.44
250	12.167	12.134	35.520	26.962	114.86	1502.17	3.273	.058	251.83
300	11.090	11.052	35.352	27.034	108.75	1499.09	3.198	.063	302.23
400	9.036	8.992	35.076	27.172	96.42	1493.06	3.086	.065	403.07

**Cruise:** GULFCET 05      **Station:** 08-080  
**Date:** 29-May-93      **Time:** 0819      **Lat:** 27 25.97      **Long:** 91 30.06  
**Depth:** 950 m      **Wind Dir:** 83 °      **Wind Speed:** 5.7 m/s      **Wave Dir:** 300°  
**Barometer:** 29.97 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 24.2 °C      **Secchi Depth:** 30 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.016	25.014	36.109	24.177	373.60	1535.80	4.858	.083	10.07
20	24.731	24.726	36.208	24.339	358.56	1535.38	4.900	.087	20.14
30	23.815	23.808	36.405	24.762	318.62	1533.52	4.950	.100	30.20
50	22.645	22.634	36.605	25.256	272.41	1531.13	4.542	.379	50.34
75	20.499	20.484	36.481	25.760	225.29	1525.74	4.006	.189	75.52
100	17.990	17.972	36.383	26.335	171.30	1518.99	3.475	.127	100.69
125	16.678	16.657	36.217	26.527	153.76	1515.34	3.191	.091	125.88
150	15.604	15.580	36.063	26.657	141.97	1512.29	3.292	.061	151.06
200	13.555	13.526	35.728	26.844	125.20	1506.20	3.539	.055	201.44
250	12.081	12.048	35.494	26.958	115.14	1501.84	3.410	.055	251.83
300	11.147	11.109	35.347	27.020	110.10	1499.28	3.304	.061	302.23
400	9.856	9.809	35.161	27.103	103.61	1496.14	3.224	.062	403.07

**Cruise:** GULFCET 05      **Station:** 08-086  
**Date:** 29-May-93      **Time:** 0215      **Lat:** 28 07.52      **Long:** 91 30.03  
**Depth:** 100 m      **Wind Dir:** 87 °      **Wind Speed:** 8 m/s      **Wave Dir:** °  
**Barometer:** 29.94 in.      **Air Temp Dry:** 24.2 °C      **Air Temp Wet:** 23 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.038	25.036	36.212	24.248	366.85	1535.96	4.723	.100	10.07
20	24.827	24.822	36.292	24.373	355.30	1535.71	4.786	.099	20.14
30	24.208	24.202	36.290	24.558	338.07	1534.37	4.814	.111	30.20
50	22.745	22.735	36.638	25.252	272.77	1531.42	4.616	.328	50.34
75	19.733	19.719	36.203	25.751	225.99	1523.33	3.853	.255	75.52
100	19.266	19.248	36.287	25.938	209.17	1522.54	0.000	.203	100.69

**Cruise:** GULFCET 05      **Station:** 09-087  
**Date:** 28-May-93      **Time:** 2221      **Lat:** 28 09.09      **Long:** 90 50.09  
**Depth:** 99 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** 29.96 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.430	25.428	36.225	24.137	377.35	1536.91	4.689	.151	10.07
20	25.103	25.099	36.228	24.240	367.99	1536.30	4.711	.108	20.14
30	24.417	24.411	36.303	24.505	343.11	1534.89	4.830	.141	30.20
50	22.427	22.416	36.407	25.168	280.70	1530.35	4.683	.383	50.34
75	20.786	20.771	36.403	25.622	238.35	1526.43	4.383	.265	75.52

**Cruise:** GULFCET 05      **Station:** 09-093  
**Date:** 28-May-93      **Time:** 1520      **Lat:** 27 26.00      **Long:** 90 50.05  
**Depth:** 1300 m      **Wind Dir:** 63.6 °      **Wind Speed:** 8.1 m/s      **Wave Dir:** 55 °  
**Barometer:** 29.95 in.      **Air Temp Dry:** 25.2 °C      **Air Temp Wet:** 23 °C      **Secchi Depth:** 27 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.039	25.037	35.949	24.048	385.85	1535.68	4.698	.082	10.07
20	24.873	24.869	36.293	24.359	356.61	1535.82	4.738	.084	20.14
30	24.678	24.671	36.309	24.431	350.20	1535.53	4.779	.103	30.20
50	22.307	22.297	36.264	25.093	287.82	1529.88	5.159	.176	50.34
75	20.305	20.291	36.336	25.701	230.83	1525.05	4.755	.318	75.52
100	18.552	18.534	36.398	26.206	183.65	1520.63	3.662	.192	100.69
125	16.749	16.728	36.219	26.511	155.25	1515.55	3.605	.115	125.88
150	15.076	15.052	35.971	26.705	137.32	1510.54	3.548	.079	151.06
200	13.124	13.096	35.671	26.888	120.88	1504.72	3.373	.061	201.44
250	11.539	11.507	35.419	27.003	110.69	1499.89	3.290	.060	251.83
300	10.226	10.190	35.227	27.090	102.89	1495.89	3.159	.062	302.23
400	8.485	8.442	35.011	27.209	92.56	1490.93	3.151	.067	403.07

**Cruise:** GULFCET 05      **Station:** 09-096  
**Date:** 28-May-93      **Time:** 0909      **Lat:** 26 44.66      **Long:** 90 50.13  
**Depth:** 2000 m      **Wind Dir:** 71 °      **Wind Speed:** 9.6 m/s      **Wave Dir:** 260°  
**Barometer:** 29.96 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.762	24.760	36.172	24.301	361.71	1535.25	4.890	.080	10.07
20	24.685	24.680	36.179	24.331	359.34	1535.24	4.943	.084	20.14
30	23.172	23.166	36.149	24.757	319.07	1531.63	5.311	.104	30.20
50	21.848	21.838	36.216	25.186	278.94	1528.63	5.453	.153	50.34
75	20.339	20.324	36.256	25.631	237.49	1525.06	5.077	.279	75.52
100	19.446	19.428	36.372	25.956	207.47	1523.14	4.027	.205	100.69
125	16.620	16.599	36.207	26.532	153.22	1515.15	3.340	.132	125.88
150	15.439	15.415	36.034	26.672	140.52	1511.75	3.291	.072	151.06
200	13.355	13.326	35.713	26.874	122.31	1505.53	3.267	.057	201.44
250	11.997	11.964	35.516	26.991	111.96	1501.58	3.160	.060	251.83
300	10.663	10.626	35.300	27.071	105.00	1497.53	3.166	.062	302.23
400	8.781	8.737	35.047	27.190	94.56	1492.08	3.193	.069	403.07

**Cruise:** GULFCET 05      **Station:** 10-097  
**Date:** 28-May-93      **Time:** 0355      **Lat:** 27 09.87      **Long:** 90 10.03  
**Depth:** 2000 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.040	25.038	35.972	24.066	384.17	1535.71	4.685	.082	10.07
20	24.966	24.962	36.040	24.140	377.51	1535.77	4.724	.086	20.14
30	23.338	23.331	36.060	24.641	330.09	1531.95	4.980	.110	30.20
50	21.786	21.777	36.188	25.183	279.30	1528.44	5.085	.194	50.34
75	20.251	20.237	36.361	25.734	227.68	1524.93	4.434	.363	75.52
100	18.617	18.599	36.436	26.219	182.42	1520.86	3.499	.184	100.69
125	16.897	16.876	36.259	26.507	155.70	1516.04	3.397	.100	125.88
150	16.163	16.138	36.149	26.595	148.00	1514.11	3.339	.065	151.06
200	14.523	14.493	35.885	26.760	133.44	1509.52	3.335	.061	201.44
250	12.817	12.783	35.613	26.905	120.46	1504.46	3.271	.061	251.83
300	11.626	11.588	35.435	26.999	112.34	1501.05	3.211	.060	302.23
400	9.456	9.410	35.123	27.140	99.82	1494.65	3.122	.065	403.07
500	7.983	7.931	34.958	27.244	90.61	1490.64	3.200	.070	503.96

**Cruise:** GULFCET 05      **Station:** 10-100  
**Date:** 27-May-93      **Time:** 2230      **Lat:** 27 45.70      **Long:** 90 10.40  
**Depth:** 800 m      **Wind Dir:** 99.7 °      **Wind Speed:** 7 m/s      **Wave Dir:** °  
**Barometer:** 29.96 in.      **Air Temp Dry:** 25 °C      **Air Temp Wet:** 23.5 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.231	25.229	36.237	24.208	370.63	1536.45	4.736	.085	10.07
20	24.990	24.985	36.198	24.252	366.86	1536.00	4.752	.088	20.14
30	23.627	23.621	36.232	24.687	325.81	1532.87	4.964	.114	30.20
50	22.011	22.001	36.220	25.143	283.02	1529.07	5.126	.220	50.34
75	20.226	20.212	36.306	25.699	231.02	1524.80	4.315	.125	75.52
100	18.321	18.303	36.457	26.310	173.77	1520.04	3.477	.104	100.69
125	17.012	16.991	36.291	26.504	155.99	1516.42	3.640	.070	125.88
150	16.047	16.023	36.126	26.605	147.06	1513.73	3.421	.060	151.06
200	14.298	14.268	35.859	26.789	130.68	1508.77	3.182	.053	201.44
250	12.632	12.598	35.577	26.914	119.51	1503.80	3.424	.056	251.83
300	11.465	11.426	35.399	27.001	111.99	1500.45	3.324	.058	302.23
400	9.399	9.354	35.112	27.142	99.63	1494.43	3.185	.062	403.07
500	8.090	8.038	34.980	27.245	90.59	1491.08	0.000	.064	503.96

**Cruise:** GULFCET 05      **Station:** 10-105  
**Date:** 27-May-93      **Time:** 1747      **Lat:** 28 16.04      **Long:** 90 10.09  
**Depth:** 93 m      **Wind Dir:** 109.4°      **Wind Speed:** 5.6 m/s      **Wave Dir:** °  
**Barometer:** 29.95 in.      **Air Temp Dry:** 25 °C      **Air Temp Wet:** 23.5 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.890	24.888	34.894	23.296	457.63	1534.18	5.044	.615	10.07
20	24.959	24.955	35.931	24.060	385.15	1535.64	4.877	.338	20.14
30	23.211	23.205	36.116	24.721	322.52	1531.70	4.872	.365	30.20
50	22.095	22.084	36.223	25.122	285.02	1529.29	4.909	.112	50.34
75	19.699	19.685	36.329	25.857	215.98	1523.37	3.594	.100	75.52

**Cruise:** GULFCET 05      **Station:** 11-106  
**Date:** 27-May-93      **Time:** 1010      **Lat:** 28 45.07      **Long:** 89 30.12  
**Depth:** 96 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.818	24.816	34.665	23.145	472.04	1533.76	4.816	.347	10.07
20	24.982	24.977	36.239	24.285	363.66	1536.02	4.746	.197	20.14
30	23.547	23.540	36.189	24.678	326.63	1532.62	4.921	.189	30.20
50	21.140	21.131	36.214	25.381	260.37	1526.76	4.807	.268	50.34
75	20.342	20.328	36.451	25.779	223.43	1525.28	3.905	.117	75.52

**Cruise:** GULFCET 05      **Station:** 11-112  
**Date:** 27-May-93      **Time:** 0421      **Lat:** 28 06.29      **Long:** 89 29.98  
**Depth:** 1075 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.480	25.478	36.247	24.139	377.23	1537.05	4.587	.121	10.07
20	25.427	25.422	36.302	24.196	372.16	1537.15	4.603	.119	20.14
30	23.390	23.384	36.296	24.805	314.52	1532.34	4.878	.142	30.20
50	20.986	20.976	36.156	25.380	260.50	1526.28	5.012	.207	50.34
75	20.424	20.410	36.691	25.940	208.18	1525.77	3.879	.268	75.52
100	18.271	18.254	36.484	26.342	170.66	1519.92	3.731	.121	100.69
125	17.184	17.163	36.331	26.493	157.08	1516.98	3.798	.079	125.88
150	16.399	16.375	36.199	26.578	149.63	1514.89	3.783	.058	151.06
200	14.665	14.634	35.918	26.755	133.97	1510.01	3.679	.052	201.44
250	13.295	13.260	35.686	26.865	124.45	1506.14	3.510	.055	251.83
300	11.800	11.761	35.455	26.981	114.09	1501.67	3.266	.056	302.23
400	9.874	9.827	35.178	27.113	102.70	1496.23	3.168	.062	403.07

**Cruise:** GULFCET 05      **Station:** 11-115  
**Date:** 26-May-93      **Time:** 2216      **Lat:** 27 26.97      **Long:** 89 30.03  
**Depth:** 2000 m      **Wind Dir:** 80 °      **Wind Speed:** 6.7 m/s      **Wave Dir:** °  
**Barometer:** 29.97 in.      **Air Temp Dry:** 25.5 °C      **Air Temp Wet:** 23 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.711	25.709	36.338	24.136	377.53	1537.69	4.703	.093	10.07
20	25.711	25.706	36.339	24.136	377.90	1537.86	4.712	.091	20.14
30	24.368	24.362	36.413	24.603	333.75	1534.89	4.804	.121	30.20
50	22.015	22.005	36.231	25.150	282.36	1529.09	5.030	.161	50.34
75	20.251	20.237	36.340	25.718	229.19	1524.91	4.526	.301	75.52
100	18.775	18.757	36.431	26.174	186.65	1521.31	3.405	.192	100.69
125	16.959	16.938	36.254	26.488	157.46	1516.22	3.346	.092	125.88
150	16.084	16.060	36.145	26.610	146.56	1513.87	3.674	.067	151.06
200	14.282	14.252	35.853	26.787	130.82	1508.71	3.355	.057	201.44
250	12.581	12.547	35.579	26.926	118.41	1503.63	3.436	.054	251.83
300	11.496	11.458	35.420	27.011	111.07	1500.58	3.108	.059	302.23
400	9.385	9.339	35.122	27.151	98.70	1494.39	3.188	.065	403.07

**Cruise:** GULFCET 05      **Station:** 12-116  
**Date:** 26-May-93      **Time:** 1748      **Lat:** 27 26.09      **Long:** 88 49.94  
**Depth:** 2000 m      **Wind Dir:** 93.8 °      **Wind Speed:** 7.3 m/s      **Wave Dir:** 85 °  
**Barometer:** 29.93 in.      **Air Temp Dry:** 25 °C      **Air Temp Wet:** 22.5 °C      **Secchi Depth:** 27 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.323	25.321	36.114	24.086	382.22	1536.53	4.732	.121	10.07
20	25.113	25.109	36.149	24.177	373.95	1536.24	4.706	.118	20.14
30	24.877	24.871	36.192	24.282	364.41	1535.89	4.810	.122	30.20
50	23.936	23.926	36.245	24.605	334.34	1533.99	4.917	.188	50.34
75	21.248	21.233	36.508	25.576	242.82	1527.79	4.272	.362	75.52
100	18.816	18.798	36.395	26.136	190.26	1521.38	3.714	.231	100.69
125	17.286	17.265	36.249	26.406	165.36	1517.19	3.612	.118	125.88
150	15.331	15.308	35.990	26.663	141.39	1511.36	3.519	.077	151.06
200	12.795	12.767	35.611	26.909	118.81	1503.55	3.430	.061	201.44
250	11.110	11.079	35.349	27.028	108.09	1498.32	3.314	.062	251.83
300	9.560	9.526	35.166	27.157	96.23	1493.42	3.347	.059	302.23
400	8.288	8.246	34.987	27.220	91.33	1490.17	3.211	.063	403.07

**Cruise:** GULFCET 05      **Station:** 12-117  
**Date:** 26-May-93      **Time:** 1412      **Lat:** 27 49.97      **Long:** 88 50.03  
**Depth:** 1575 m      **Wind Dir:** 100 °      **Wind Speed:** 7.4 m/s      **Wave Dir:** 110°  
**Barometer:** 29.95 in.      **Air Temp Dry:** 25 °C      **Air Temp Wet:** 21.5 °C      **Secchi Depth:** 32 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.932	25.929	36.394	24.109	380.09	1538.27	4.640	.078	10.07
20	24.870	24.866	36.233	24.315	360.80	1535.75	4.806	.096	20.14
30	24.689	24.682	36.240	24.376	355.46	1535.49	4.819	.103	30.20
50	22.226	22.216	36.284	25.131	284.21	1529.70	5.121	.204	50.34
75	20.615	20.601	36.410	25.674	233.46	1525.98	4.695	.310	75.52
100	18.211	18.193	36.411	26.302	174.51	1519.67	3.758	.150	100.69
125	16.172	16.152	36.153	26.596	147.12	1513.73	3.696	.083	125.88
150	15.064	15.041	35.980	26.715	136.39	1510.51	3.524	.064	151.06
200	13.372	13.344	35.701	26.861	123.51	1505.57	3.491	.055	201.44
250	11.780	11.748	35.455	26.985	112.47	1500.77	3.320	.055	251.83
300	10.554	10.518	35.270	27.066	105.35	1497.11	3.227	.057	302.23
400	9.024	8.980	35.076	27.174	96.26	1493.01	3.055	.060	403.07

**Cruise:** GULFCET 05      **Station:** 12-119  
**Date:** 26-May-93      **Time:** 0749      **Lat:** 28 26.03      **Long:** 88 49.99  
**Depth:** 1300 m      **Wind Dir:** 95 °      **Wind Speed:** 5.1 m/s      **Wave Dir:** 310°  
**Barometer:** 29.96 in.      **Air Temp Dry:** 24.9 °C      **Air Temp Wet:** 21 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.482	25.479	36.154	24.068	383.99	1536.95	4.680	.106	10.07
20	25.480	25.475	36.154	24.068	384.39	1537.12	4.687	.109	20.14
30	25.473	25.466	36.152	24.069	384.70	1537.27	4.640	.116	30.20
50	23.802	23.791	36.252	24.650	330.03	1533.66	4.792	.169	50.34
75	22.656	22.640	36.537	25.201	278.55	1531.50	4.193	.353	75.52
100	20.935	20.916	36.531	25.679	233.93	1527.40	3.929	.242	100.69
125	18.368	18.346	36.405	26.258	179.57	1520.53	3.729	.117	125.88
150	15.964	15.940	36.120	26.619	145.68	1513.47	3.743	.073	151.06
200	13.279	13.251	35.692	26.873	122.33	1505.26	3.497	.055	201.44
250	11.733	11.701	35.454	26.993	111.68	1500.60	3.395	.056	251.83
300	9.885	9.850	35.183	27.115	100.36	1494.61	3.402	.058	302.23
400	7.829	7.788	34.966	27.273	85.93	1488.41	3.344	.061	403.07

**Cruise:** GULFCET 05      **Station:** 12-125  
**Date:** 26-May-93      **Time:** 0153      **Lat:** 29 06.49      **Long:** 88 50.04  
**Depth:** 90 m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.622	24.620	34.794	23.301	457.11	1533.42	4.842	.492	10.07
20	24.401	24.397	36.271	24.486	344.56	1534.65	4.765	.211	20.14
30	23.555	23.549	36.234	24.709	323.65	1532.69	4.866	.247	30.20
50	21.861	21.851	36.240	25.201	277.57	1528.69	4.622	.248	50.34
75	20.440	20.426	36.297	25.635	237.13	1525.38	3.681	.255	75.52



**Cruise:** GULFCET 05      **Station:** 13-126  
**Date:** 25-May-93      **Time:** 2159      **Lat:** 29 16.56      **Long:** 88 10.08  
**Depth:** 94 m      **Wind Dir:** 127 °      **Wind Speed:** 6.7 m/s      **Wave Dir:** °  
**Barometer:** 29.99 in.      **Air Temp Dry:** 23.5 °C      **Air Temp Wet:** 22 °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.990	23.988	34.361	23.162	470.37	1531.40	4.960	.227	10.07
20	22.825	22.821	35.034	24.012	389.68	1529.36	5.161	.232	20.14
30	21.310	21.304	35.084	24.475	345.85	1525.62	5.341	.231	30.20
50	20.313	20.304	35.801	25.291	268.88	1524.06	5.114	.262	50.34
75	19.296	19.282	36.117	25.800	221.37	1522.01	4.456	.212	75.52

**Cruise:** GULFCET 05      **Station:** 13-133  
**Date:** 25-May-93      **Time:** 1624      **Lat:** 28 46.16      **Long:** 88 09.97  
**Depth:** 1850 m      **Wind Dir:** 157.4°      **Wind Speed:** 6.7 m/s      **Wave Dir:** 150°  
**Barometer:** 29.94 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 23.5 °C      **Secchi Depth:** 25 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.275	25.273	35.866	23.913	398.72	1536.15	4.837	.073	10.07
20	25.044	25.039	35.861	23.981	392.70	1535.76	4.789	.084	20.14
30	23.528	23.522	35.850	24.426	350.56	1532.20	5.019	.117	30.20
50	22.461	22.450	36.045	24.883	307.83	1530.04	5.104	.150	50.34
75	21.236	21.222	36.147	25.304	268.63	1527.36	4.957	.349	75.52
100	20.136	20.118	36.249	25.680	233.76	1524.91	4.551	.172	100.69
125	18.745	18.723	36.436	26.186	186.45	1521.65	3.334	.114	125.88
150	17.576	17.551	36.330	26.397	167.08	1518.56	3.197	.087	151.06
200	14.826	14.796	35.936	26.733	136.10	1510.54	3.662	.049	201.44
250	13.312	13.277	35.723	26.890	122.12	1506.23	3.402	.055	251.83
300	12.133	12.093	35.505	26.957	116.59	1502.87	3.332	.058	302.23
400	10.116	10.069	35.206	27.093	104.76	1497.13	3.088	.061	403.07

**Cruise:** GULFCET 05      **Station:** 13-134  
**Date:** 25-May-93      **Time:** 1430      **Lat:** 28 37.00      **Long:** 88 10.23  
**Depth:** 2000 m      **Wind Dir:** 154.9°      **Wind Speed:** 6.1 m/s      **Wave Dir:** 160°  
**Barometer:** 29.95 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 24 °C      **Secchi Depth:** 26 m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.299	25.297	35.795	23.853	404.51	1536.13	4.688	.075	10.07
20	25.276	25.272	35.810	23.871	403.14	1536.26	4.674	.084	20.14
30	23.478	23.471	35.800	24.403	352.75	1532.02	4.951	.108	30.20
50	22.218	22.208	35.993	24.913	304.98	1529.35	5.015	.150	50.34
75	21.458	21.443	36.129	25.229	275.77	1527.93	5.046	.226	75.52
100	20.532	20.513	36.215	25.548	246.31	1525.96	4.700	.199	100.69
125	19.186	19.164	36.393	26.039	200.38	1522.85	3.500	.114	125.88
150	17.634	17.608	36.337	26.388	167.94	1518.74	3.110	.086	151.06
200	15.310	15.279	36.013	26.685	140.81	1512.15	3.592	.052	201.44
250	13.078	13.043	35.646	26.879	123.09	1505.37	3.383	.054	251.83
300	11.765	11.725	35.445	26.980	114.13	1501.54	3.238	.056	302.23
400	9.957	9.910	35.183	27.103	103.73	1496.54	3.081	.062	403.07

**Cruise:** GULFCET 05      **Station:** 14-135  
**Date:** 25-May-93      **Time:** 0857      **Lat:** 28 30.98      **Long:** 87 29.88  
**Depth:** 2000 m      **Wind Dir:** 150 °      **Wind Speed:** 10 m/s      **Wave Dir:** 180°  
**Barometer:** 29.95 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** 30 m

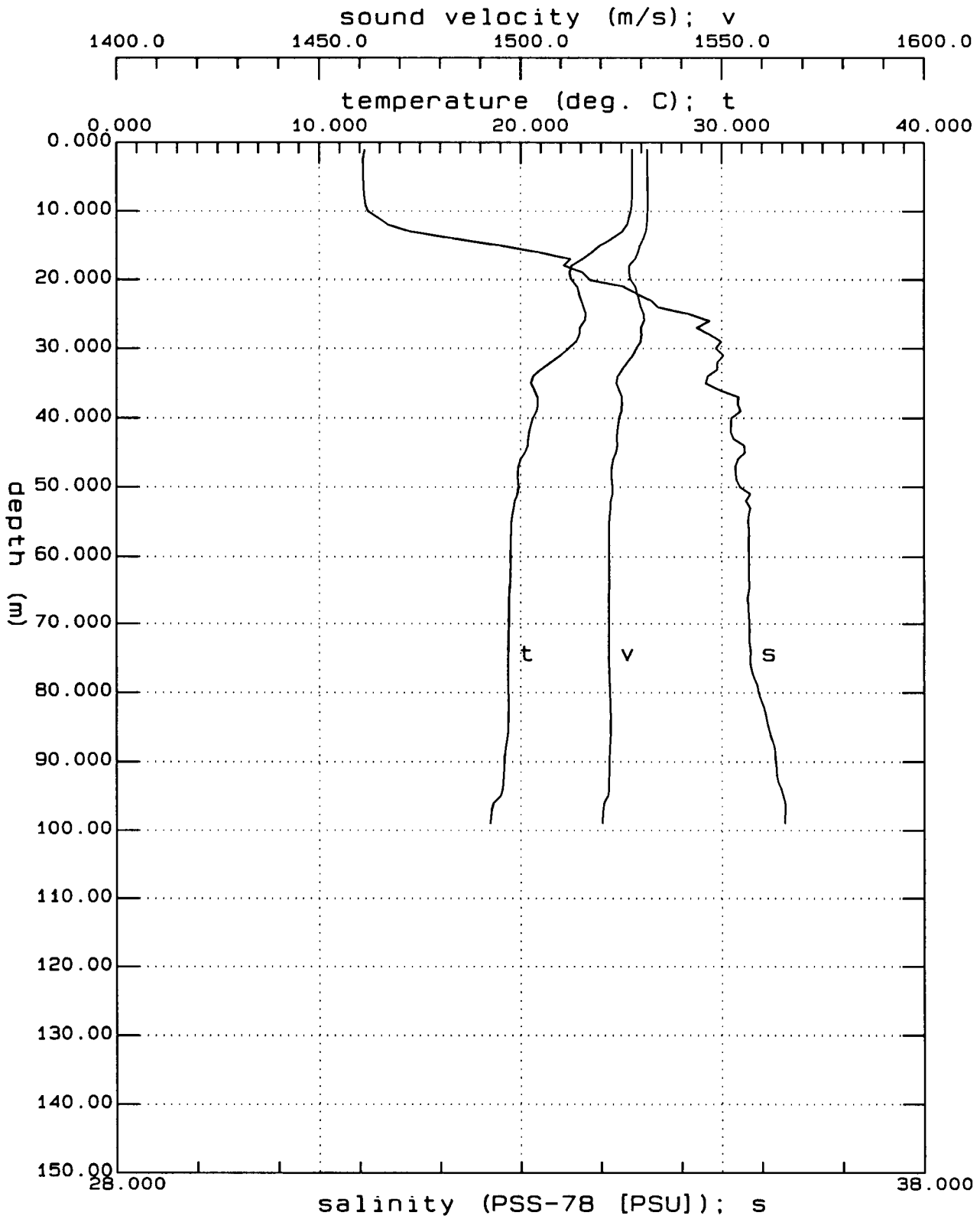
Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	26.945	26.943	36.345	23.751	414.25	1540.55	4.487	.071	10.07
20	26.943	26.938	36.344	23.751	414.66	1540.71	4.480	.071	20.14
30	26.829	26.822	36.319	23.768	413.39	1540.60	4.471	.072	30.20
50	23.626	23.615	35.988	24.502	344.17	1532.93	4.932	.105	50.34
75	22.058	22.043	35.967	24.938	303.52	1529.33	5.024	.178	75.52
100	21.415	21.395	36.140	25.250	274.77	1528.25	5.047	.194	100.69
125	20.416	20.392	36.298	25.642	238.29	1526.15	4.340	.150	125.88
150	19.044	19.017	36.367	26.056	199.66	1522.84	3.595	.103	151.06
200	16.402	16.369	36.224	26.597	149.44	1515.76	3.894	.049	201.44
250	14.697	14.659	35.912	26.743	136.62	1510.94	3.667	.051	251.83
300	13.286	13.243	35.679	26.861	126.18	1506.93	3.494	.056	302.23
400	11.226	11.175	35.376	27.028	111.75	1501.26	3.025	.062	403.07

**Cruise:** GULFCET 05      **Station:** 14-136  
**Date:** 25-May-93      **Time:** 0558      **Lat:** 28 45.77      **Long:** 87 30.00  
**Depth:** 1600 m      **Wind Dir:** 148 °      **Wind Speed:** 8.4 m/s      **Wave Dir:** 180°  
**Barometer:** 29.92 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.438	25.436	36.136	24.067	384.02	1536.83	4.648	.070	10.07
20	25.441	25.436	36.144	24.072	383.97	1537.02	4.640	.068	20.14
30	25.379	25.372	36.164	24.107	381.06	1537.06	4.636	.073	30.20
50	21.281	21.271	35.781	25.013	295.38	1526.65	5.010	.156	50.34
75	20.183	20.169	35.978	25.460	253.70	1524.32	4.904	.326	75.52
100	18.868	18.850	36.089	25.889	213.73	1521.19	4.489	.188	100.69
125	18.250	18.228	36.147	26.089	195.49	1519.90	4.234	.095	125.88
150	17.779	17.753	36.168	26.223	183.61	1518.97	4.142	.095	151.06
200	15.825	15.793	36.090	26.627	146.43	1513.84	3.523	.058	201.44
250	13.736	13.700	35.768	26.837	127.32	1507.68	3.476	.056	251.83
300	12.007	11.967	35.499	26.976	114.68	1502.43	3.394	.055	302.23
400	10.195	10.147	35.225	27.095	104.68	1497.44	3.369	.062	403.07

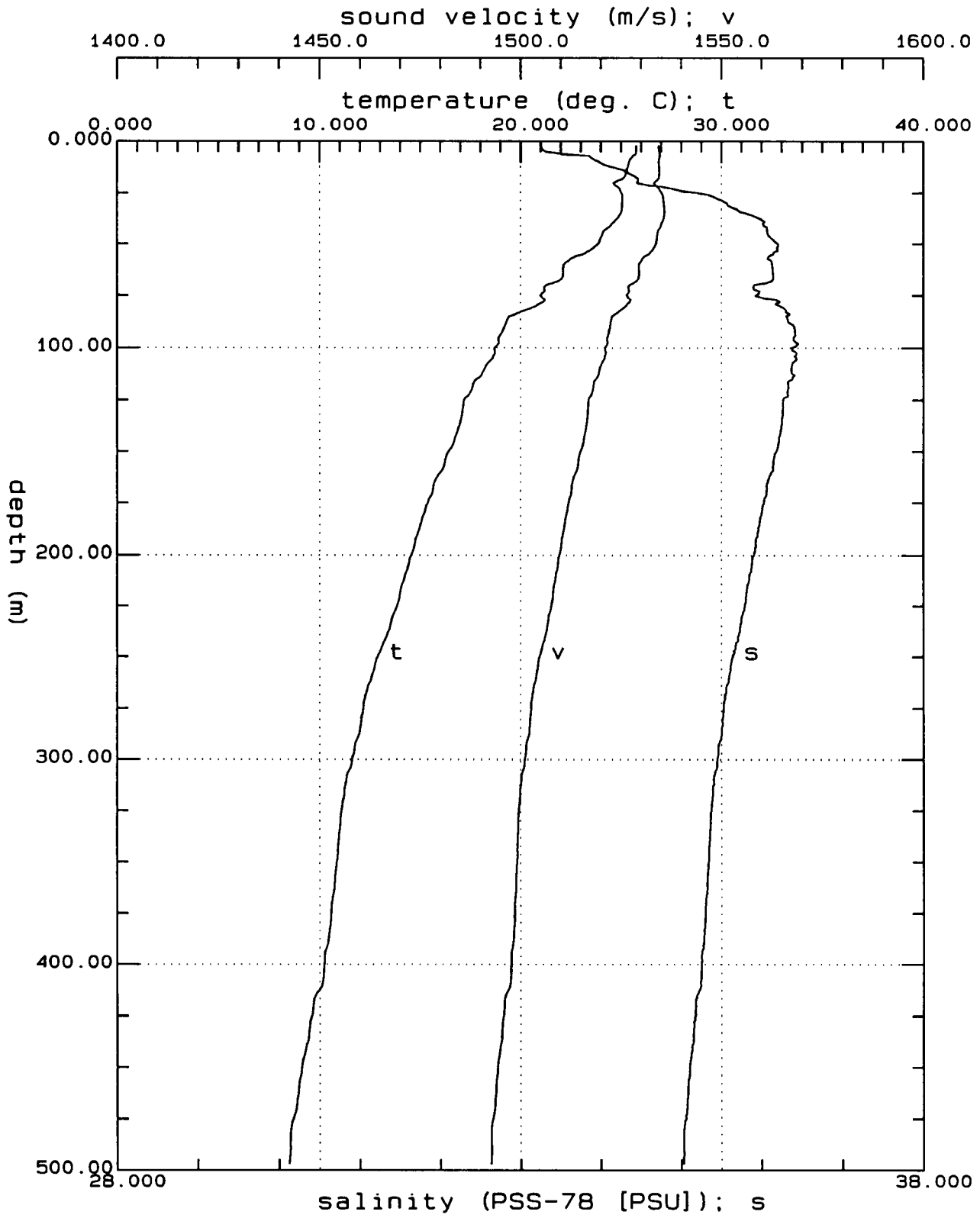
**Cruise:** GULFCET 05      **Station:** 14-143  
**Date:** 24-May-93      **Time:** 2339      **Lat:** 29 27.00      **Long:** 87 30.15  
**Depth:** m      **Wind Dir:** °      **Wind Speed:** m/s      **Wave Dir:** °  
**Barometer:** in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** m

Depth	Temp	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.644	23.642	35.457	24.094	381.44	1531.73	5.233	.109	10.07
20	23.560	23.556	35.665	24.277	364.45	1531.91	5.144	.118	20.14
30	21.016	21.010	35.468	24.847	310.40	1525.26	5.425	.153	30.20
50	20.705	20.695	36.168	25.465	252.37	1525.53	5.101	.744	50.34
75	18.961	18.948	36.098	25.872	214.49	1521.04	0.000	.403	75.52

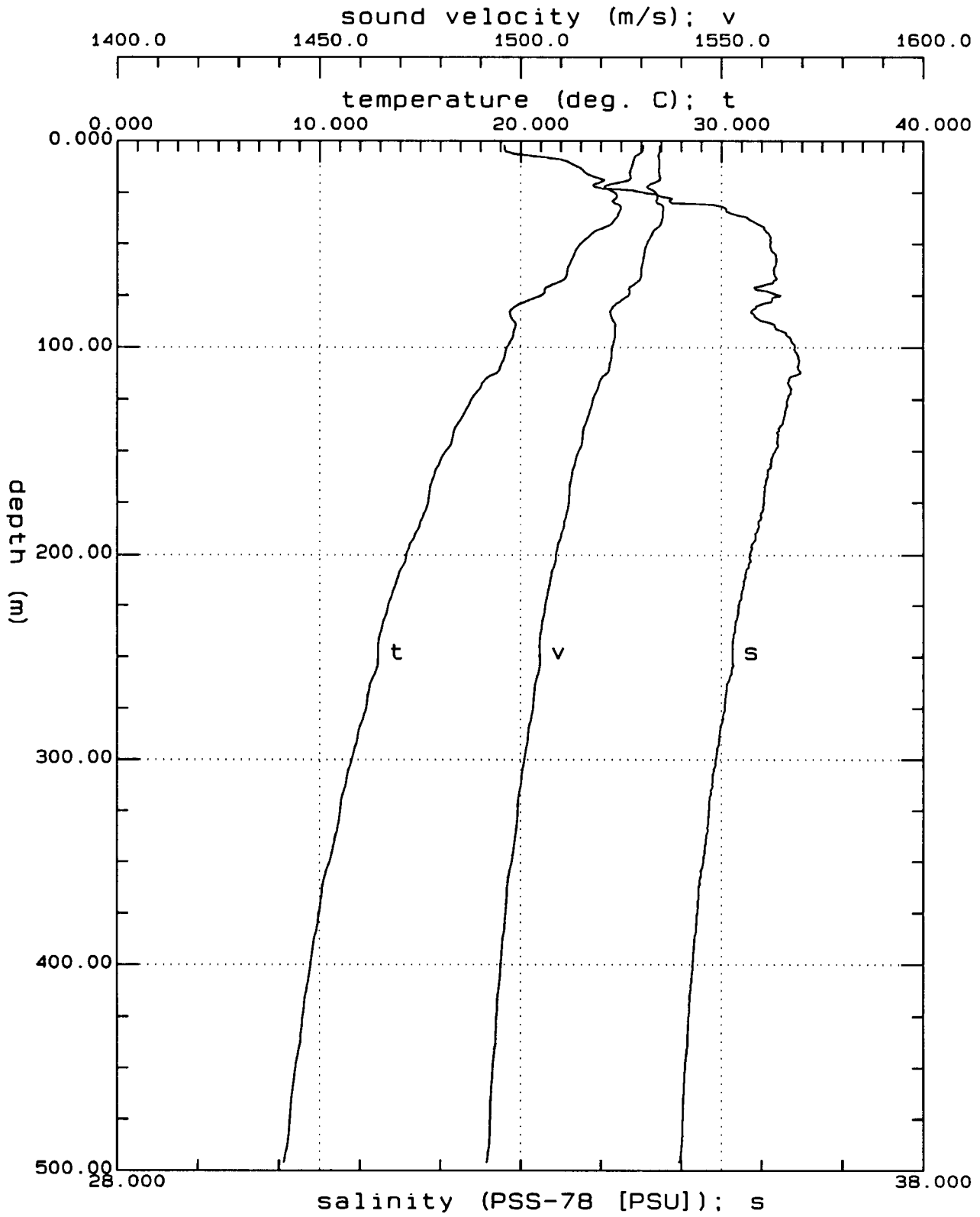


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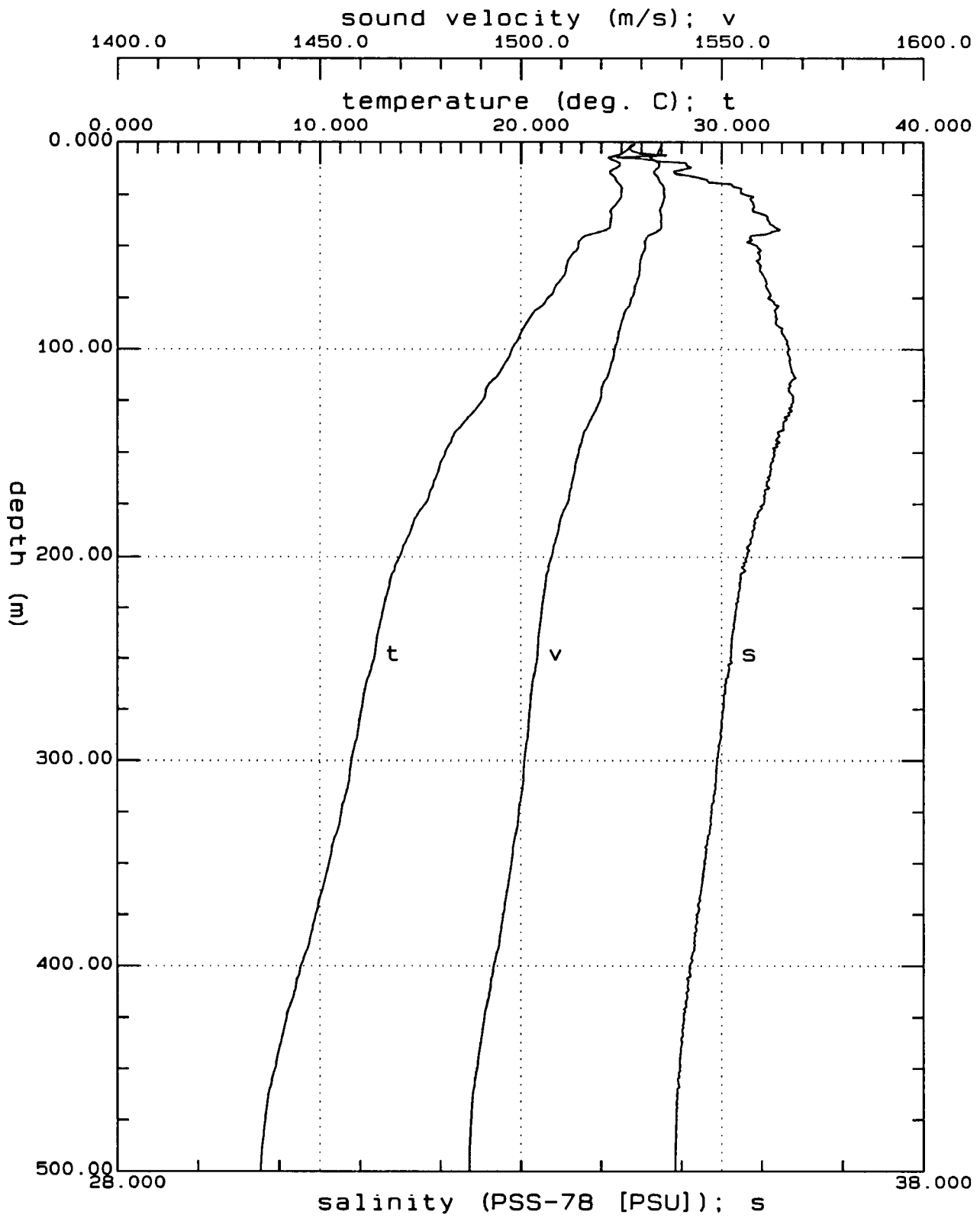
03-021.CNV: Gulfcet Cruise 05



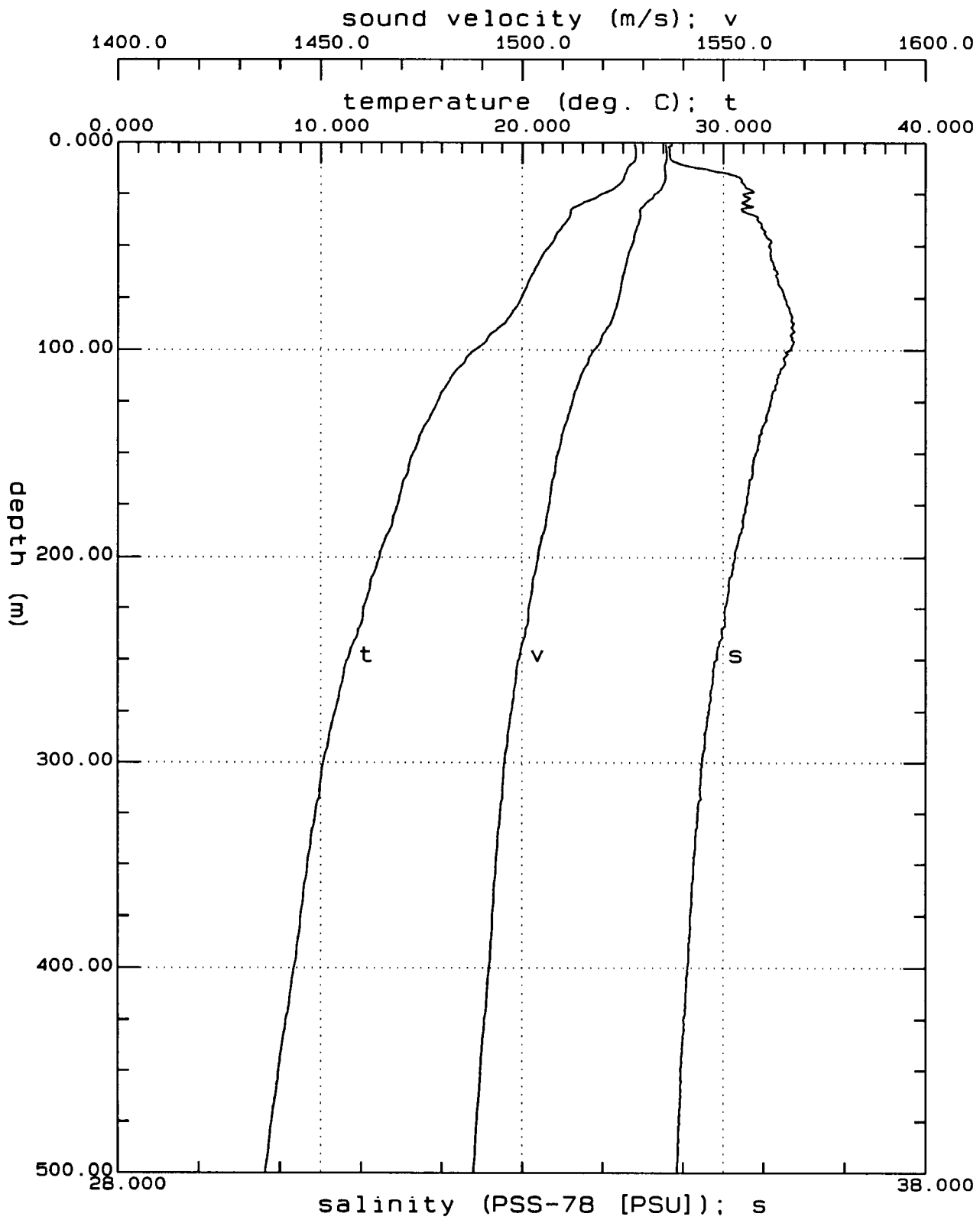
03-026.CNV: Gulfcet Cruise 05



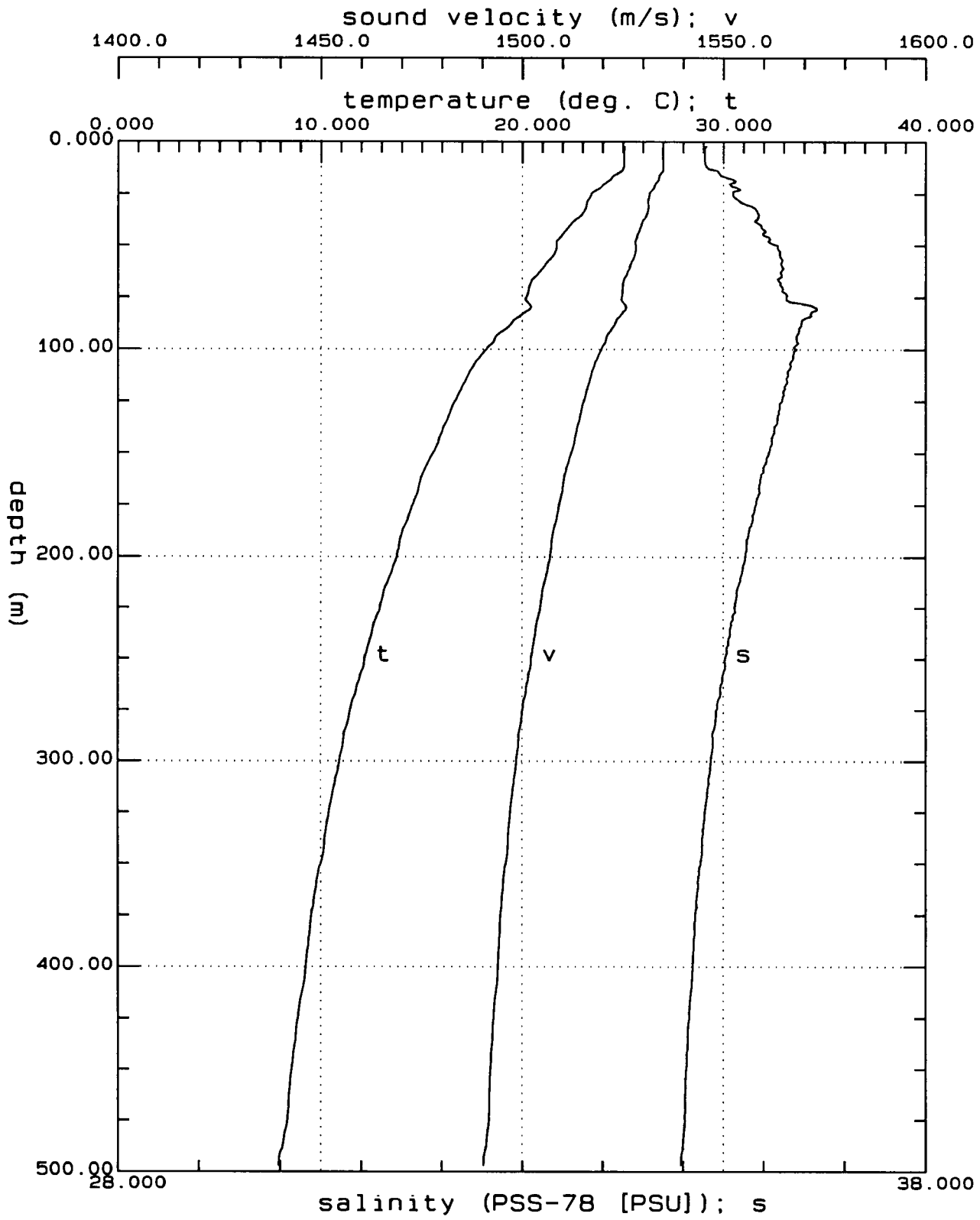
03-029.CNV: Gulfcet Cruise 05



03-030.CNV: Gulfcet Cruise 05

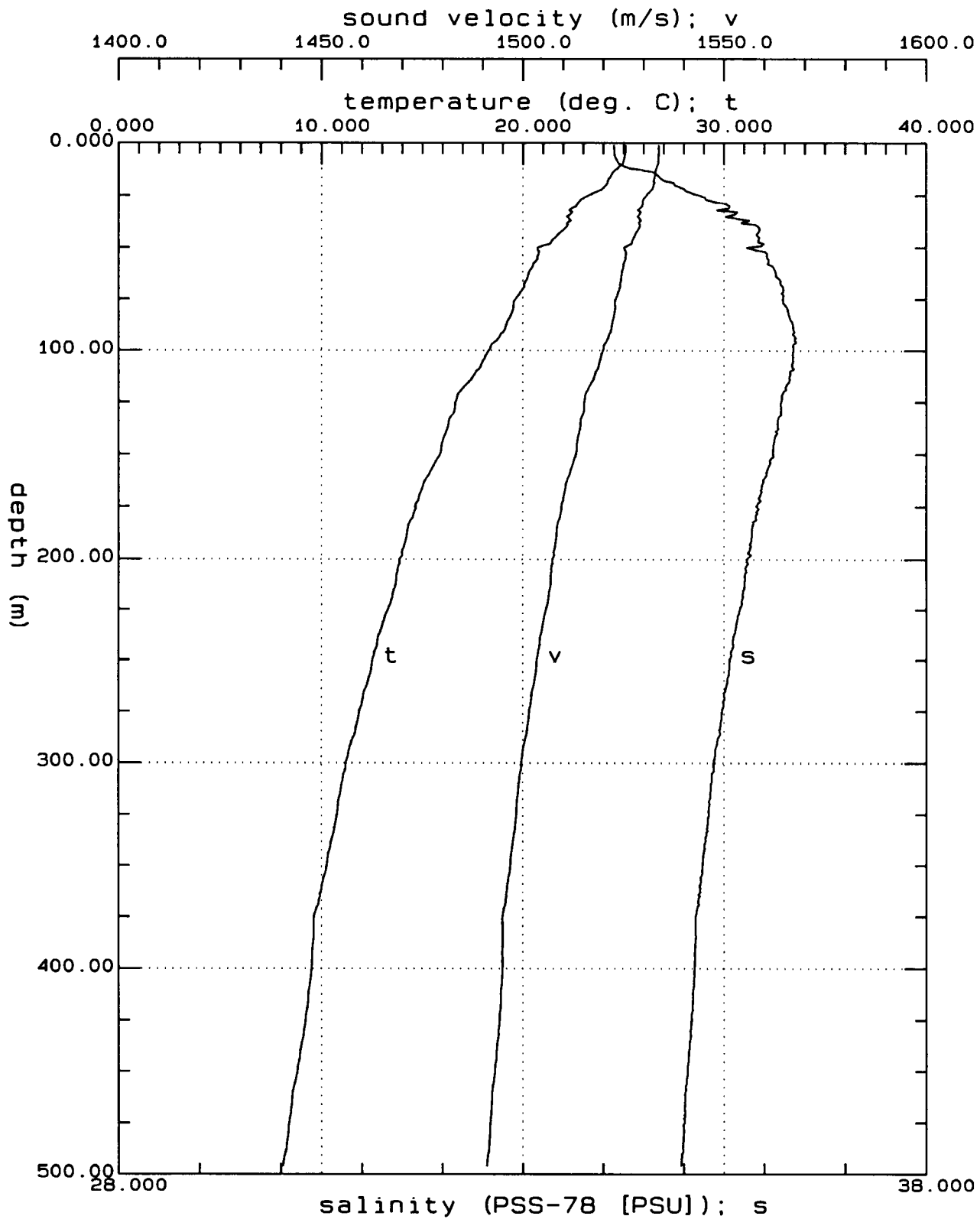


04-031.CNV: Gulfcet Cruise 05

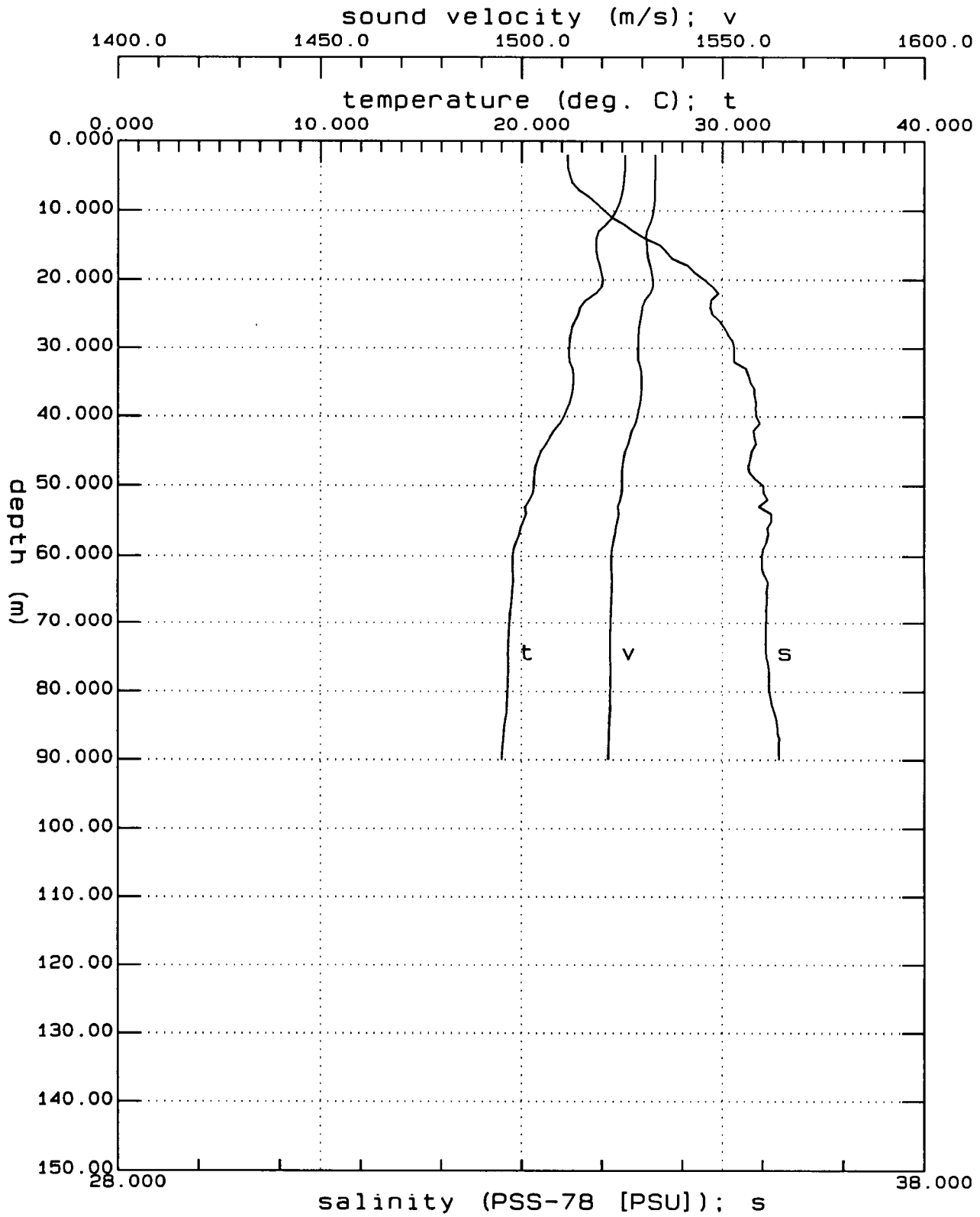


04-033.CNV: Gulfcet Cruise 05

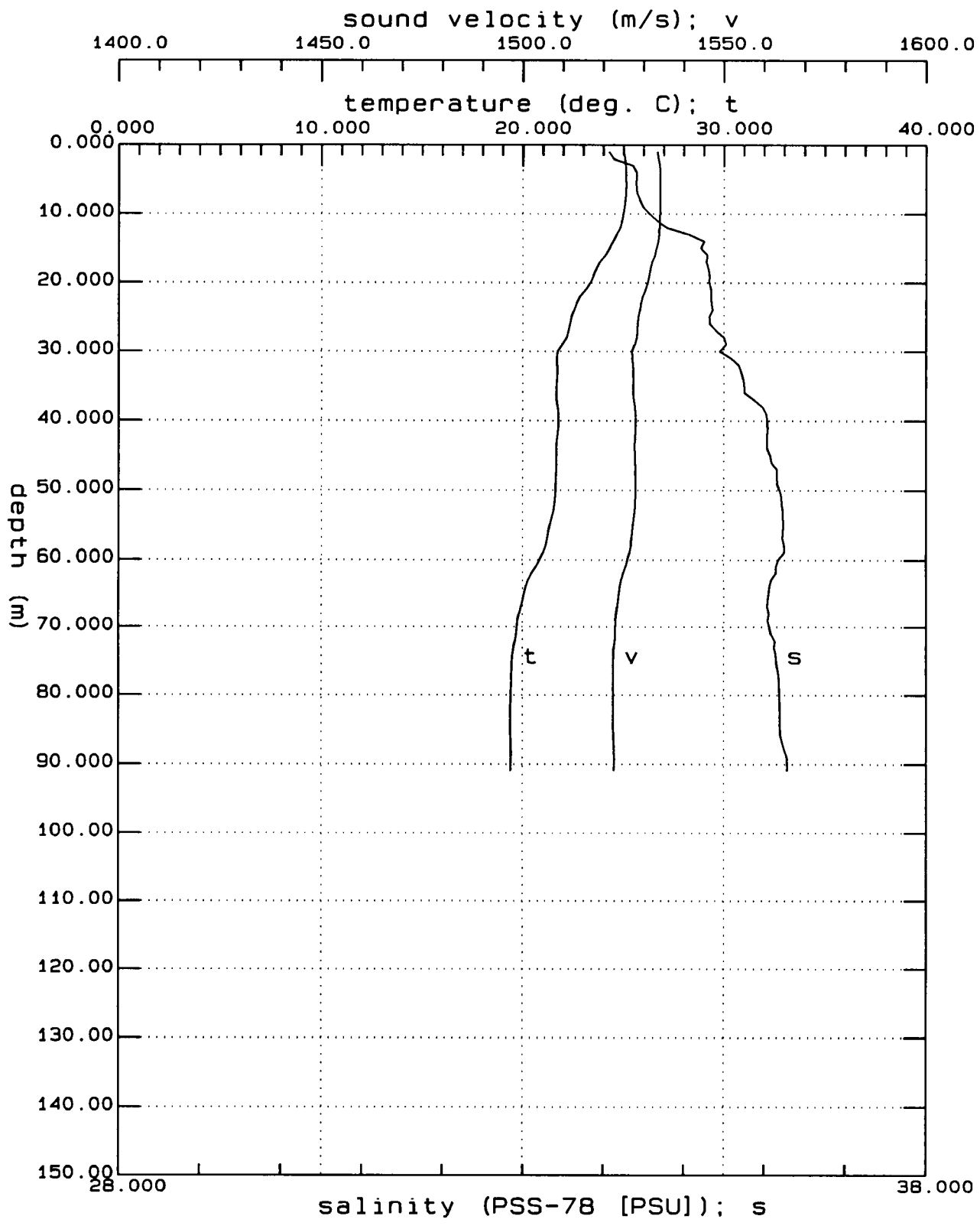




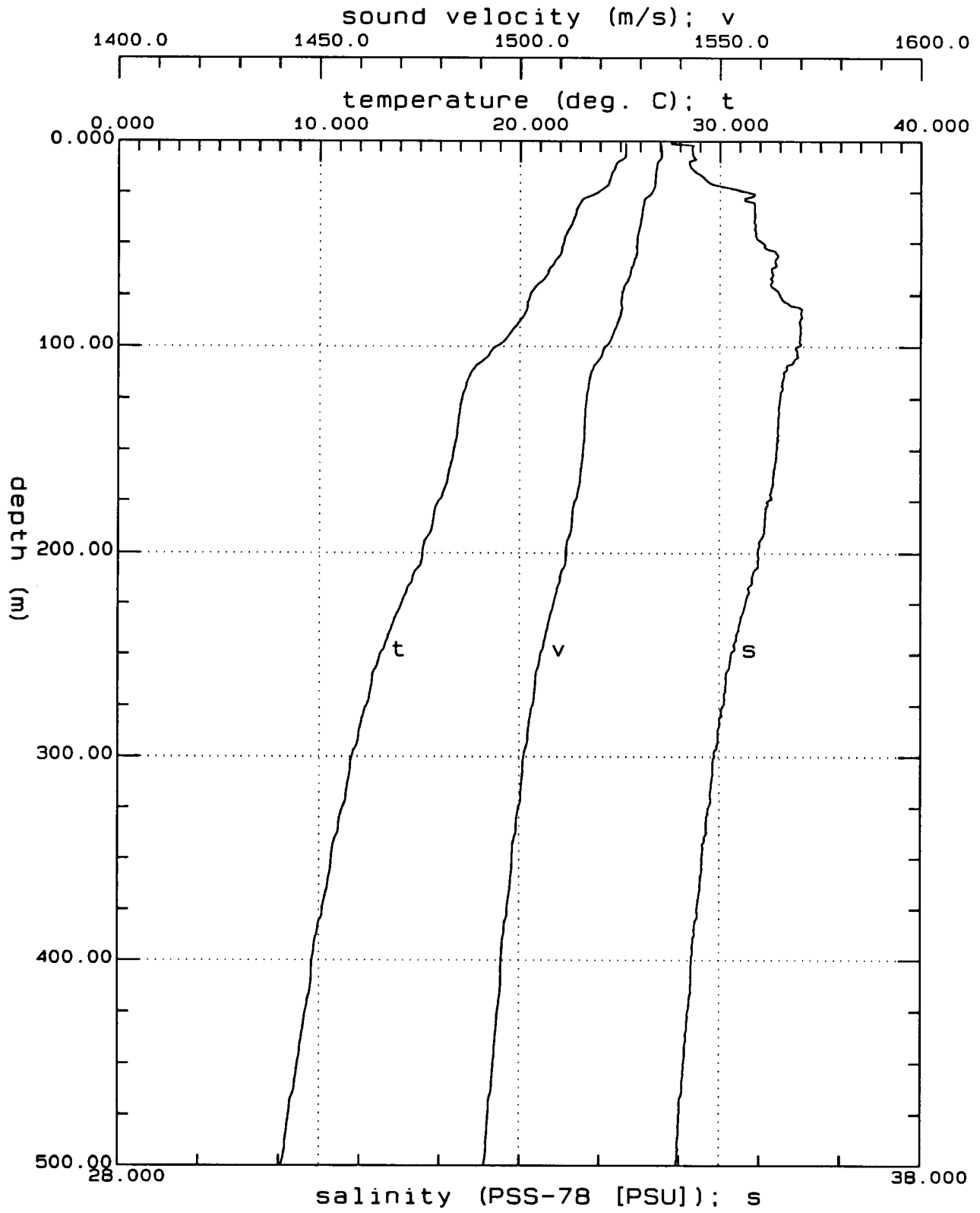
04-036.CNV: Gulfcet Cruise 05



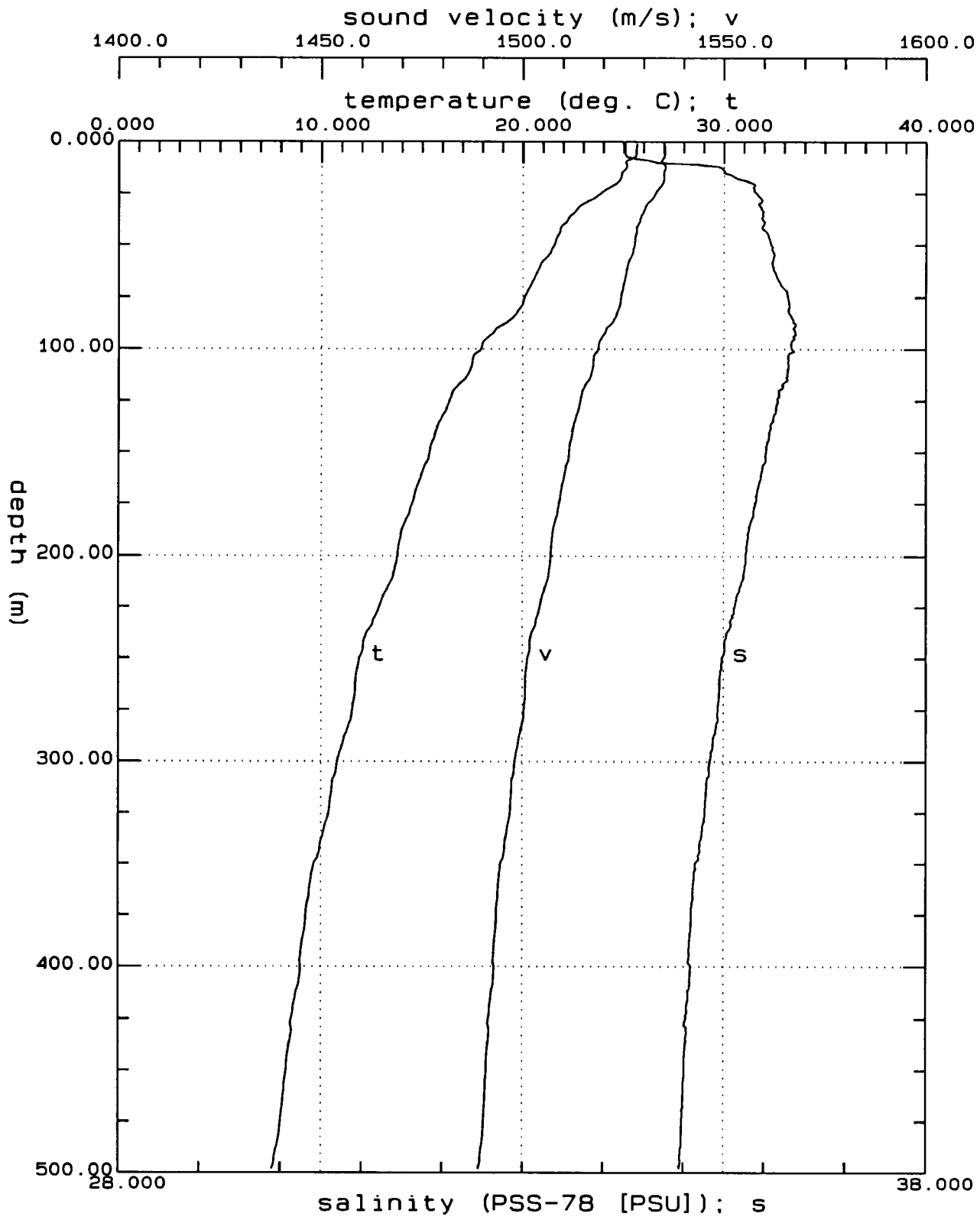
04-042.CNV: Gulfcet Cruise 05



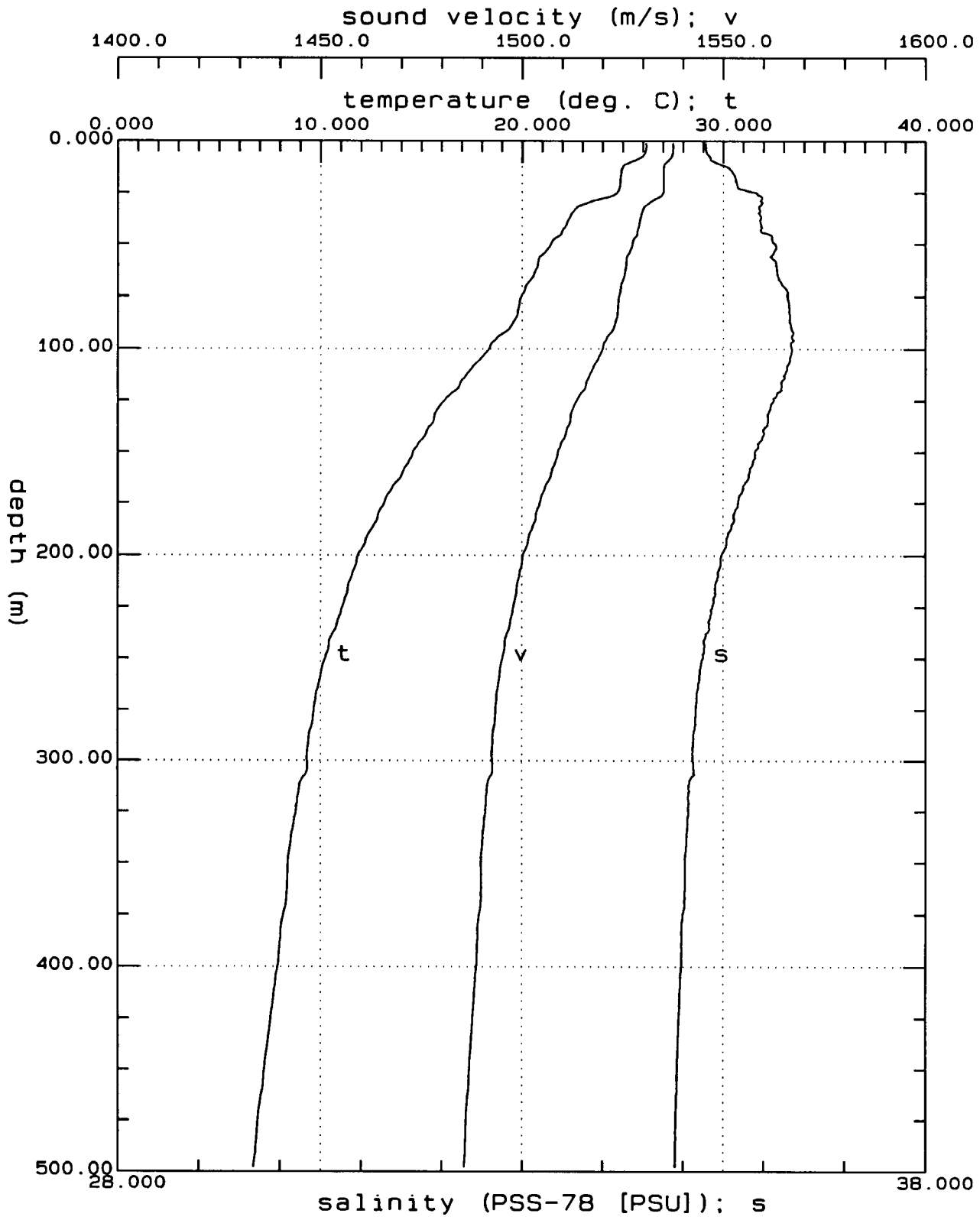
05-043.CNV: Gulfcet Cruise 05



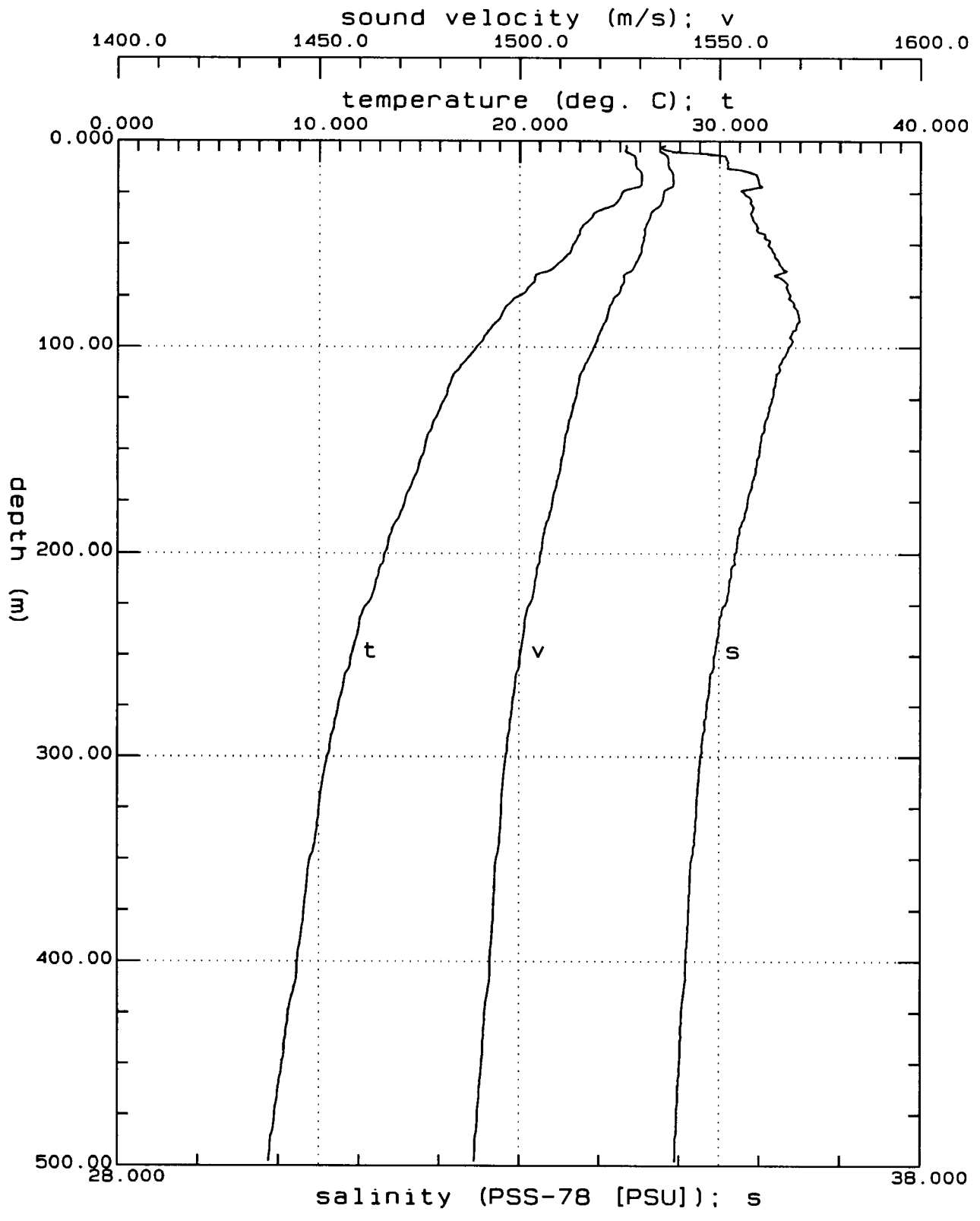
05-047.CNV: Gulfcet Cruise 05



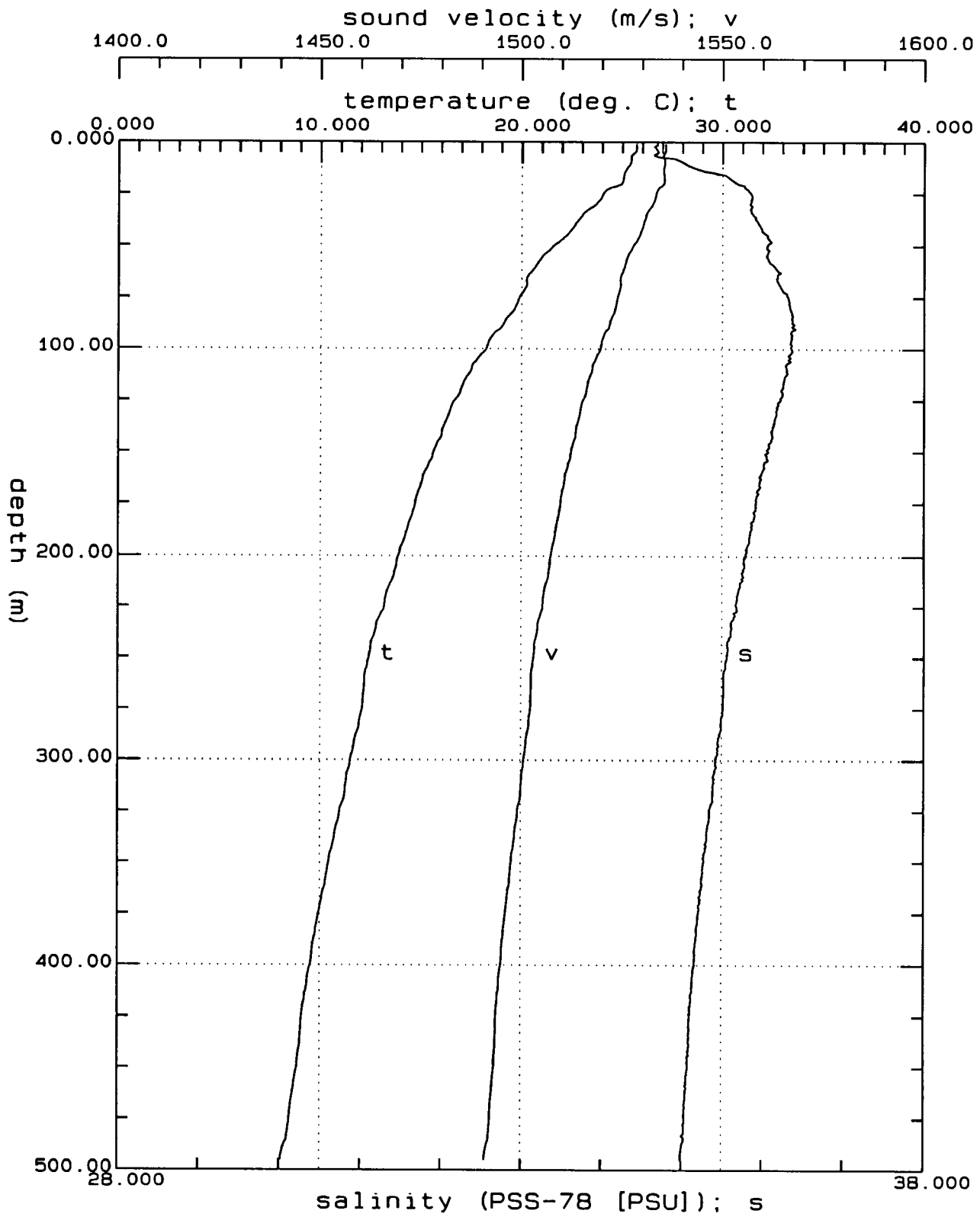
05-050.CNV: Gulfcet Cruise 05



05-053.CNV: Gulfcet Cruise 05

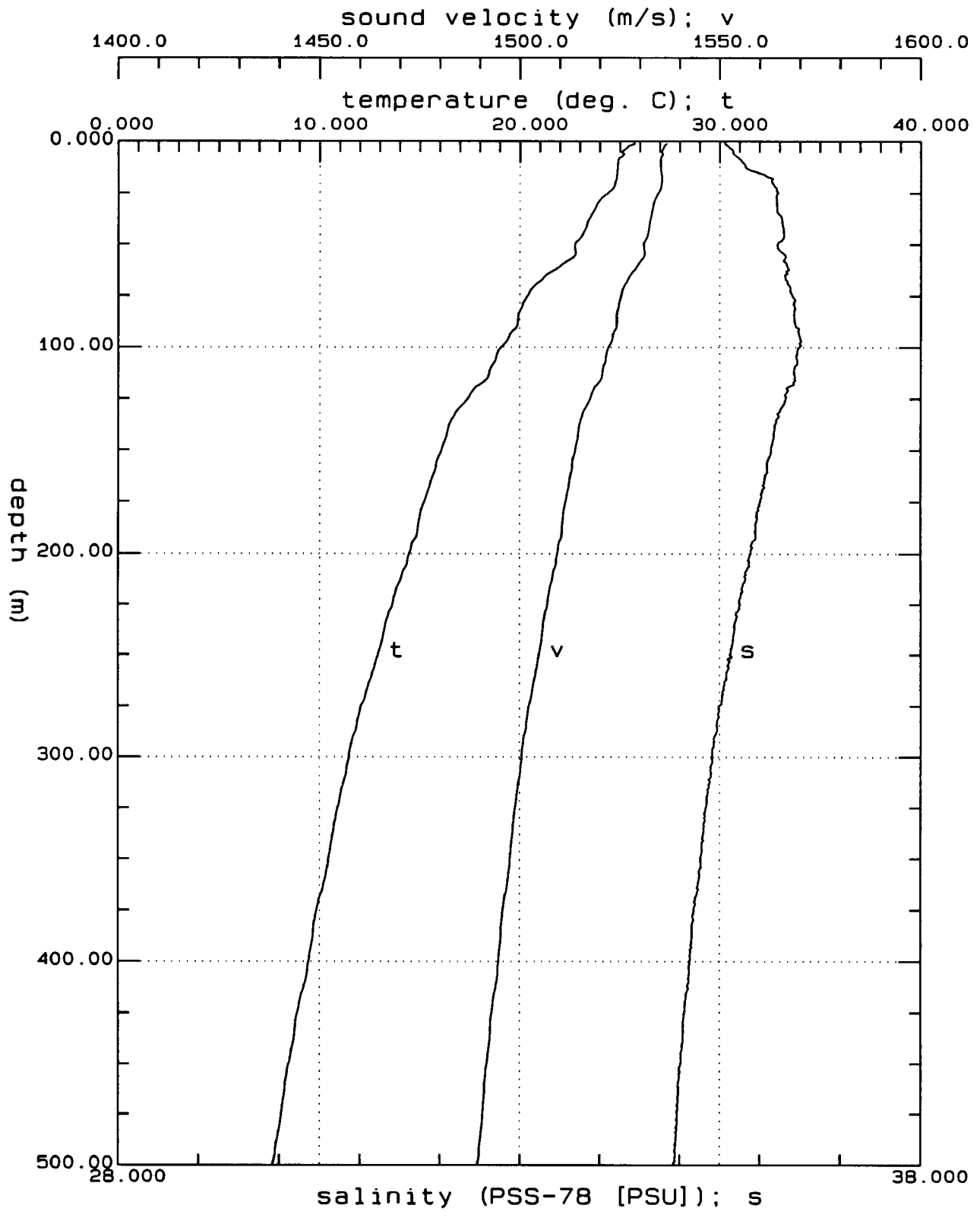


06-054.CNV: Gulfcet Cruise 05

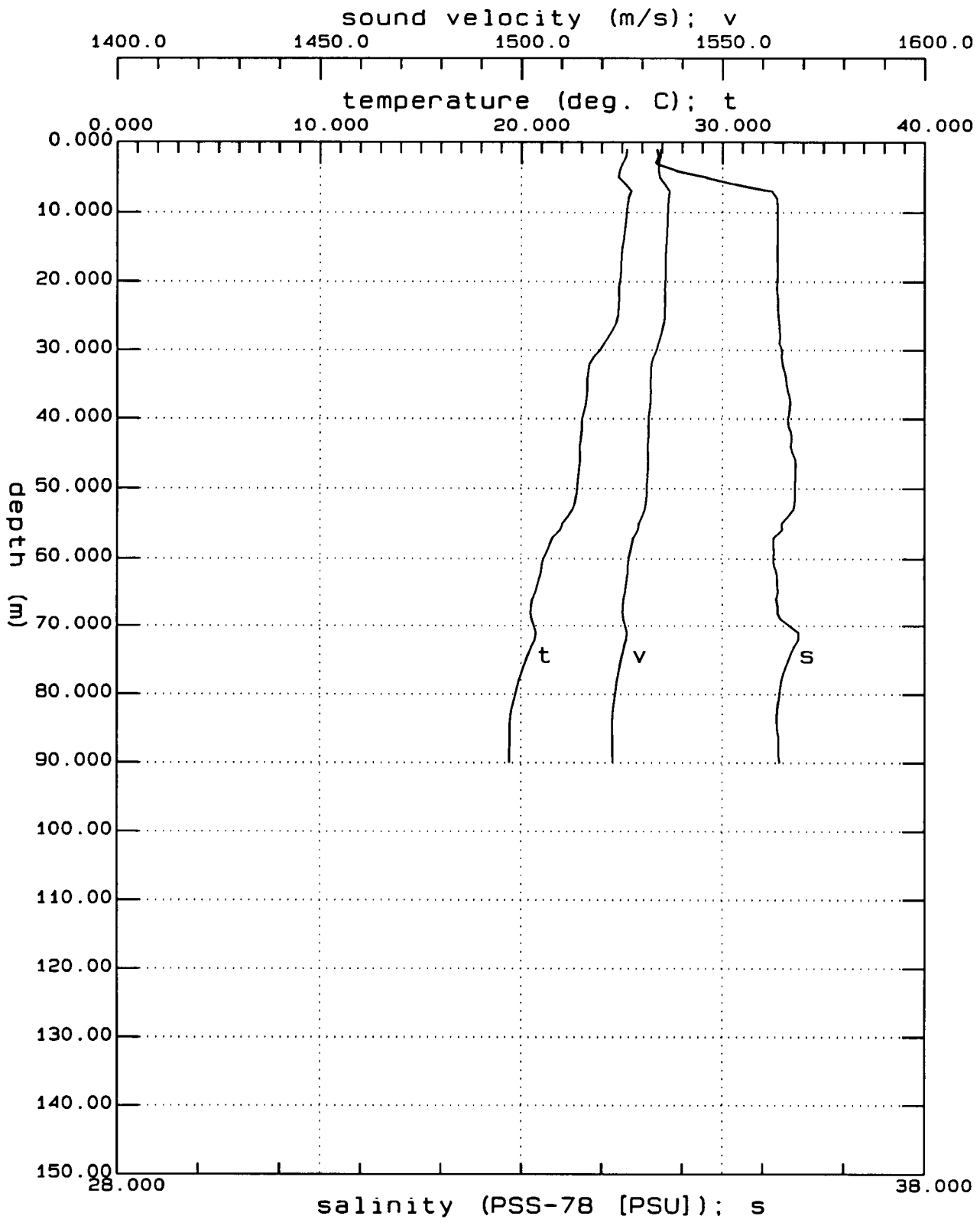


06-055.CNV: Gulfcet Cruise 05

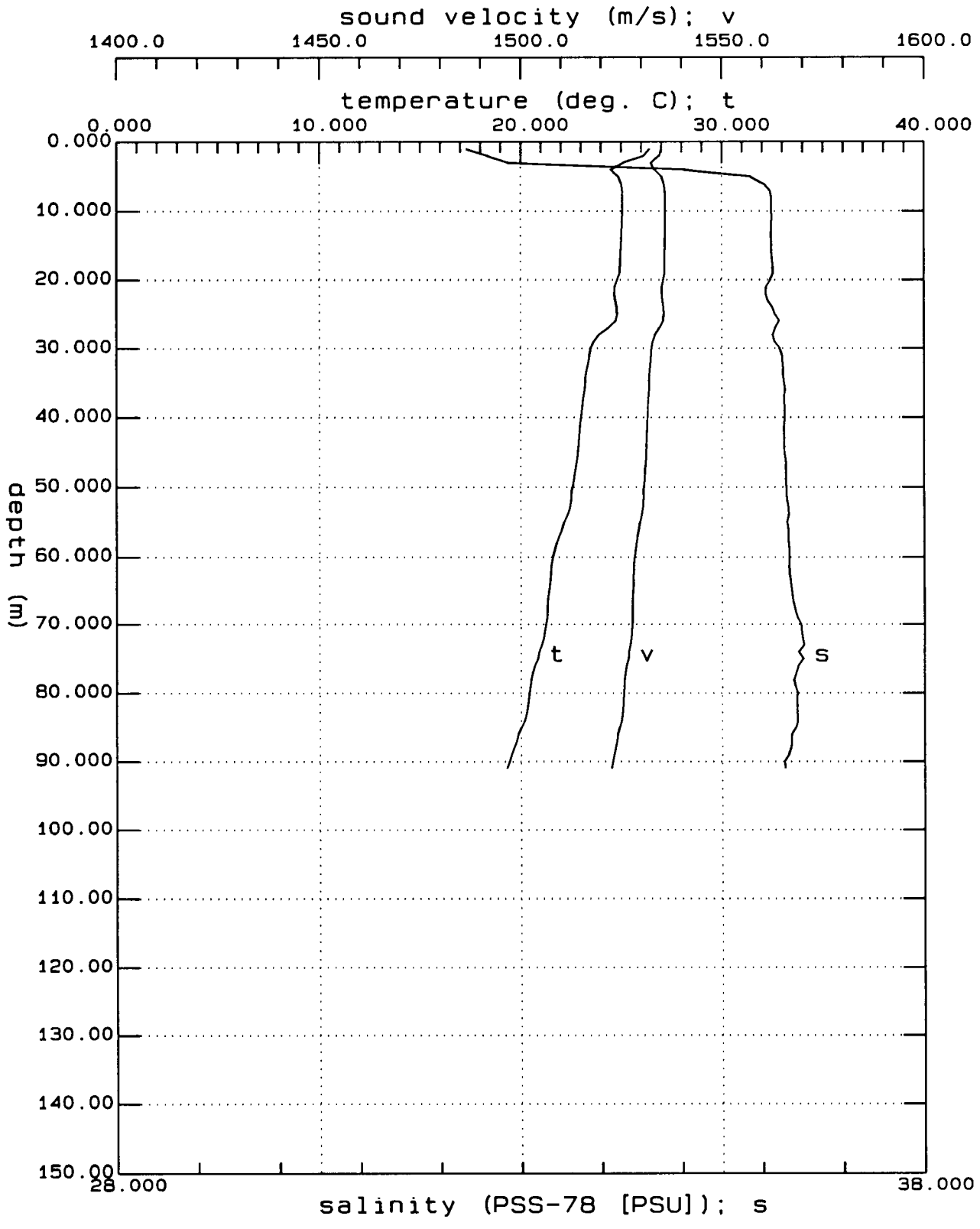




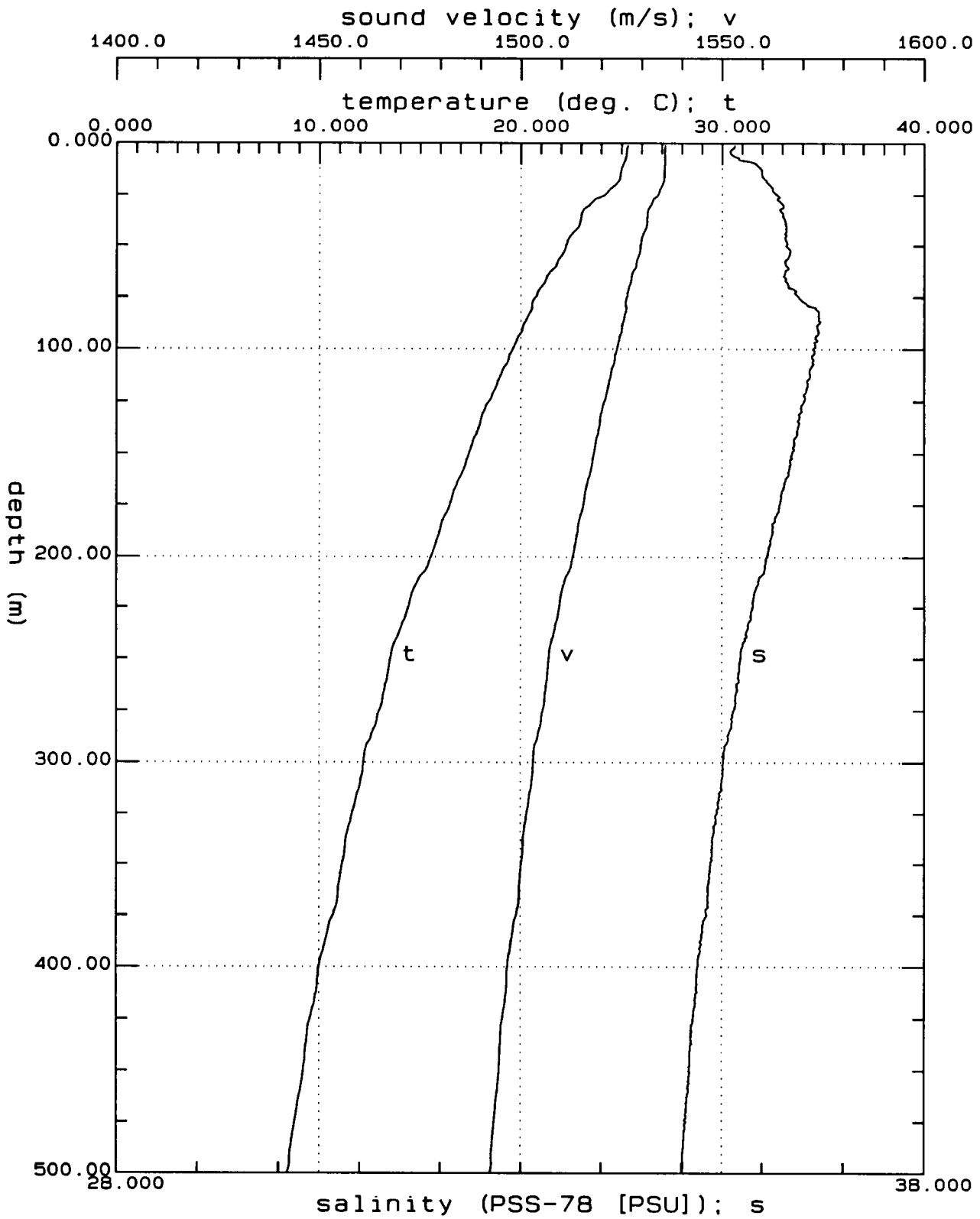
06-059.CNV: Gulfcet Cruise 05



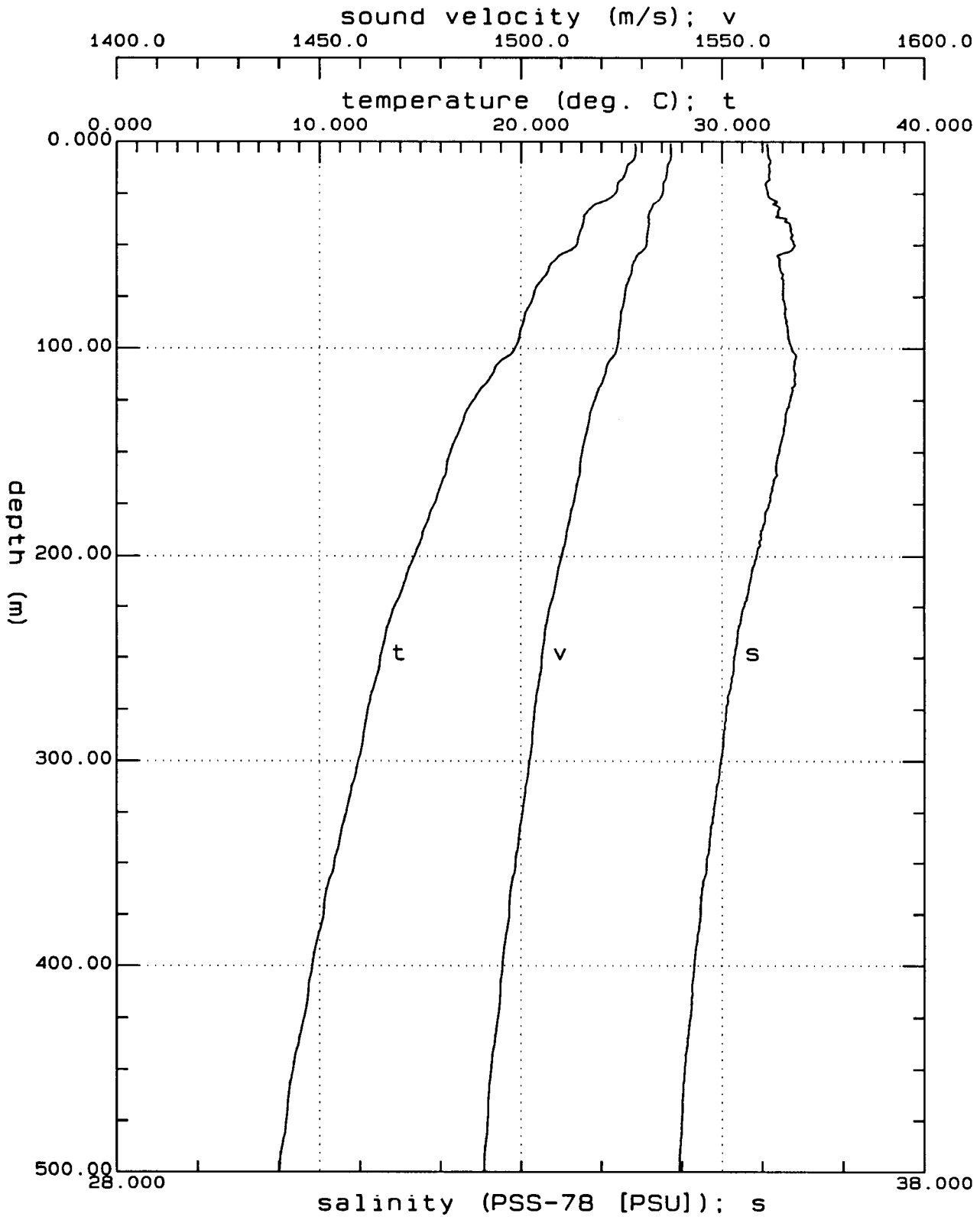
06-064.CNV: Gulfcet Cruise 05



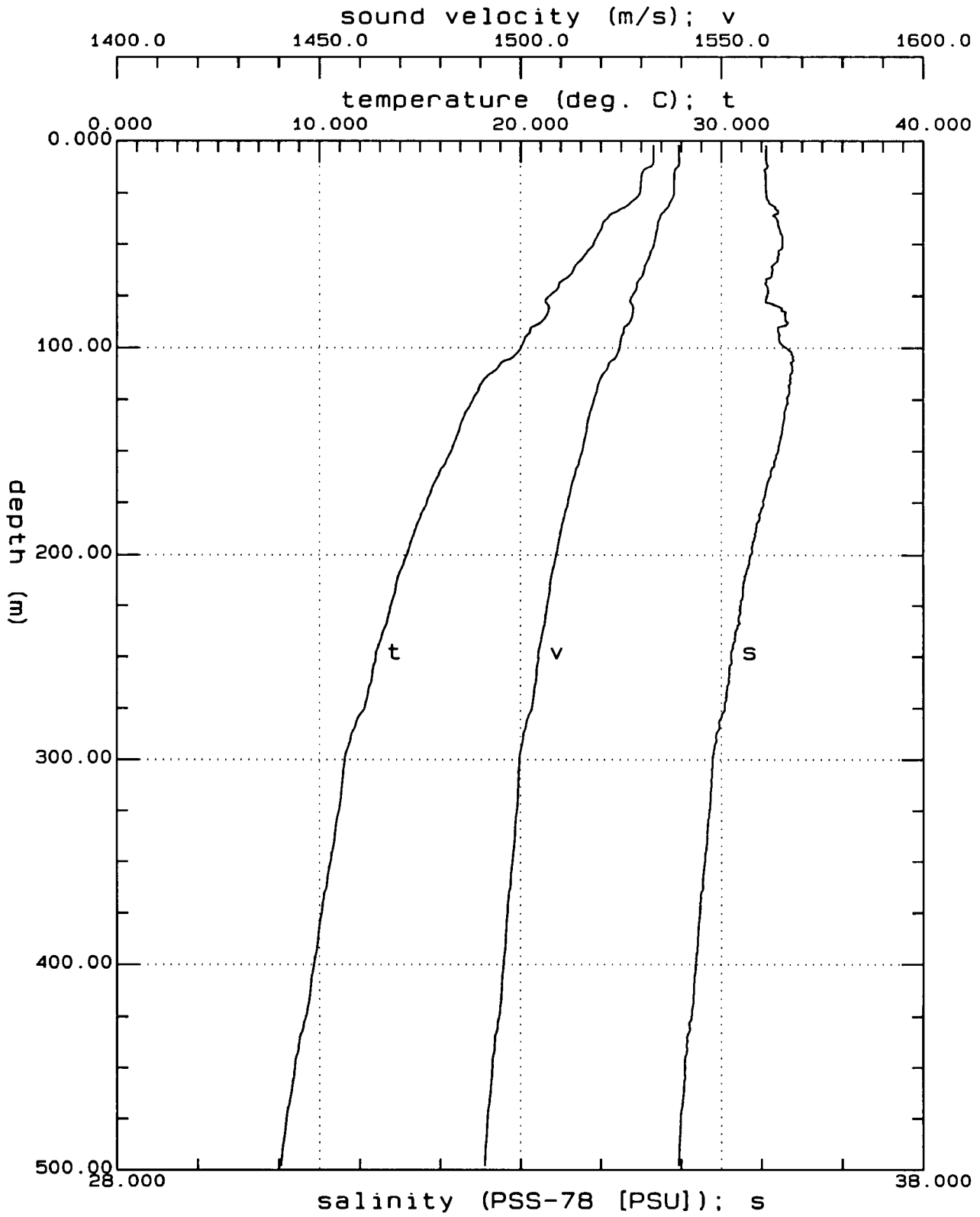
07-065.CNV: Gulfcet Cruise 05



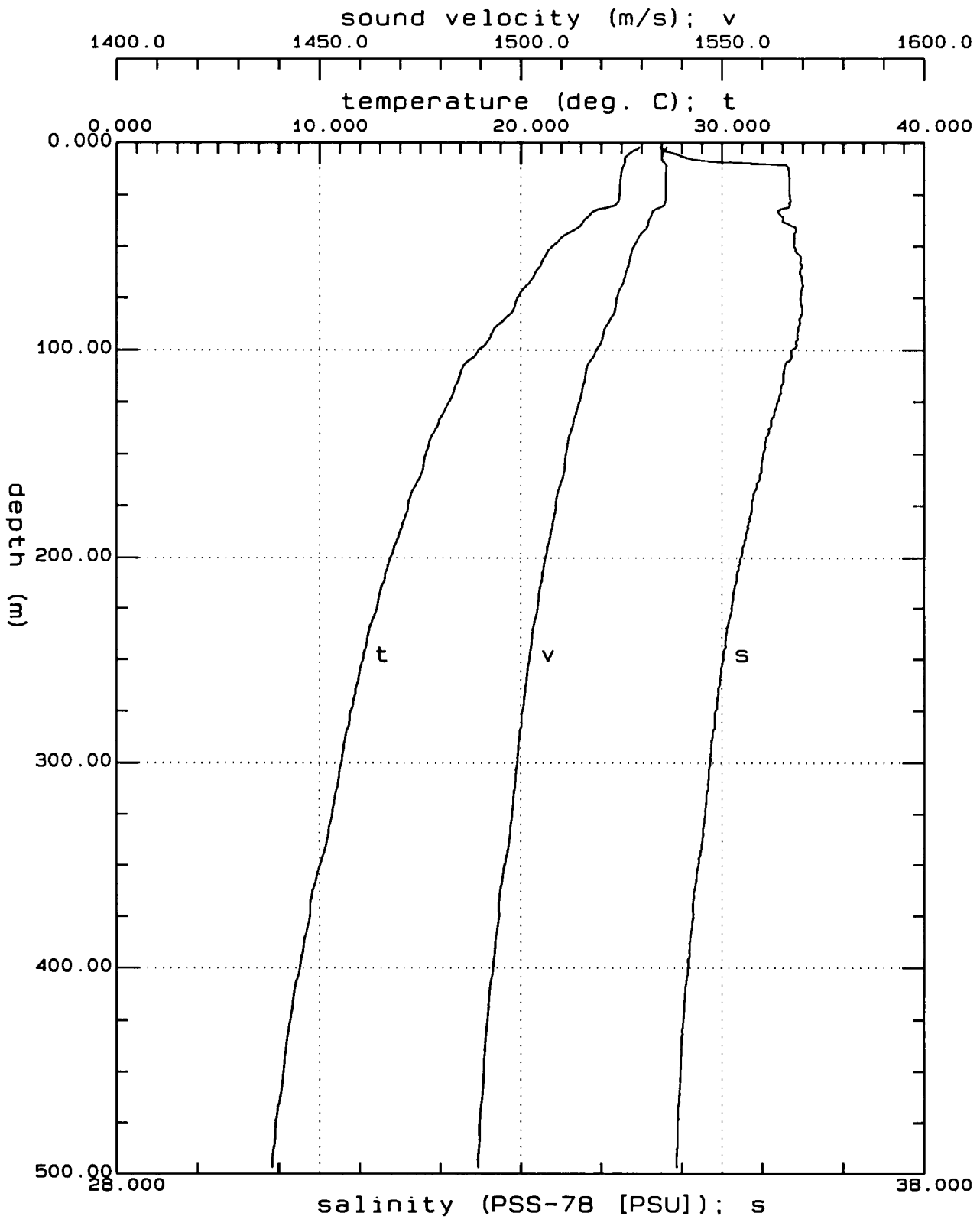
07-071.CNV: Gulfcet Cruise 05



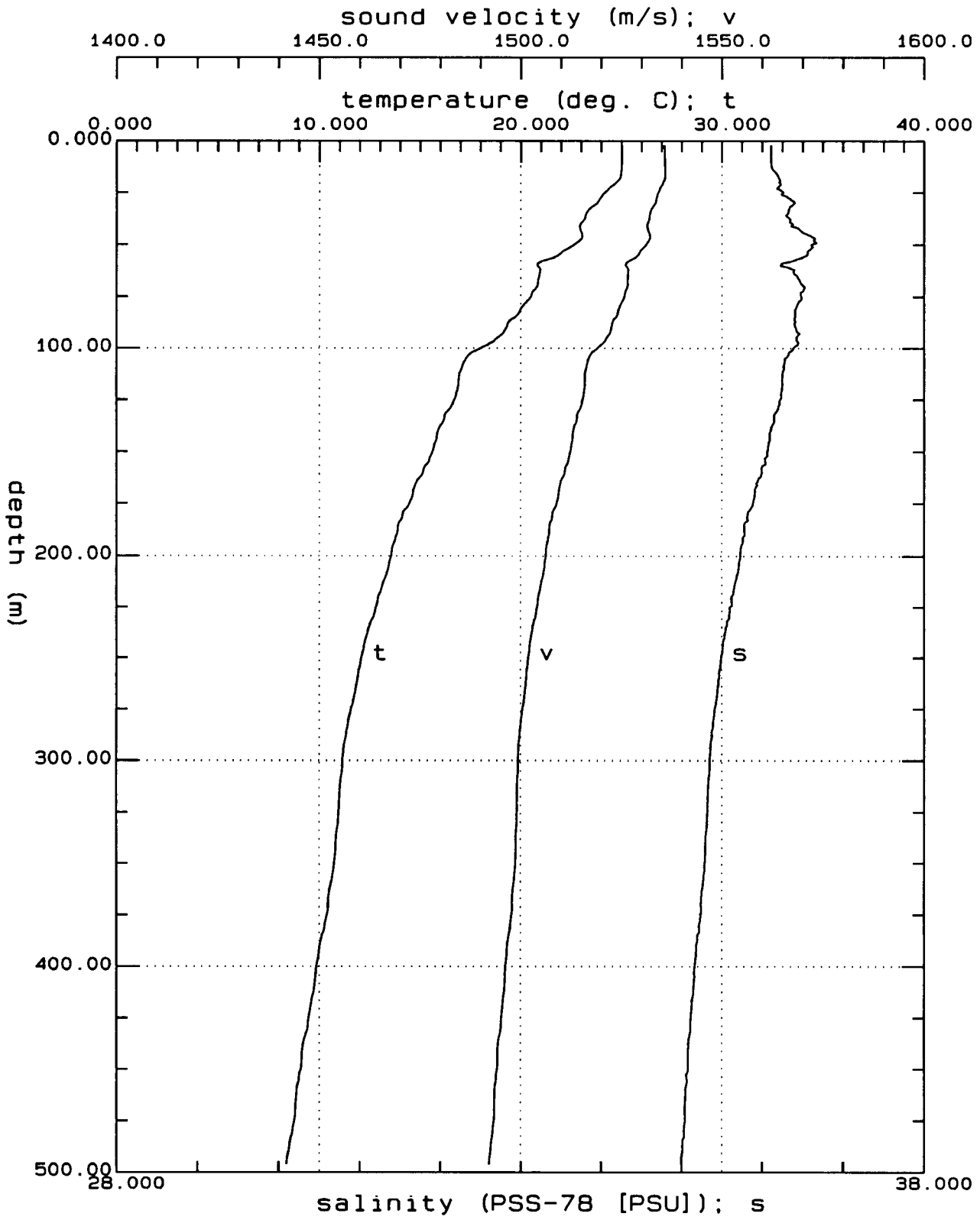
07-073.CNV: Gulfcet Cruise 05



07-075.CNV: Gulfcet Cruise 05

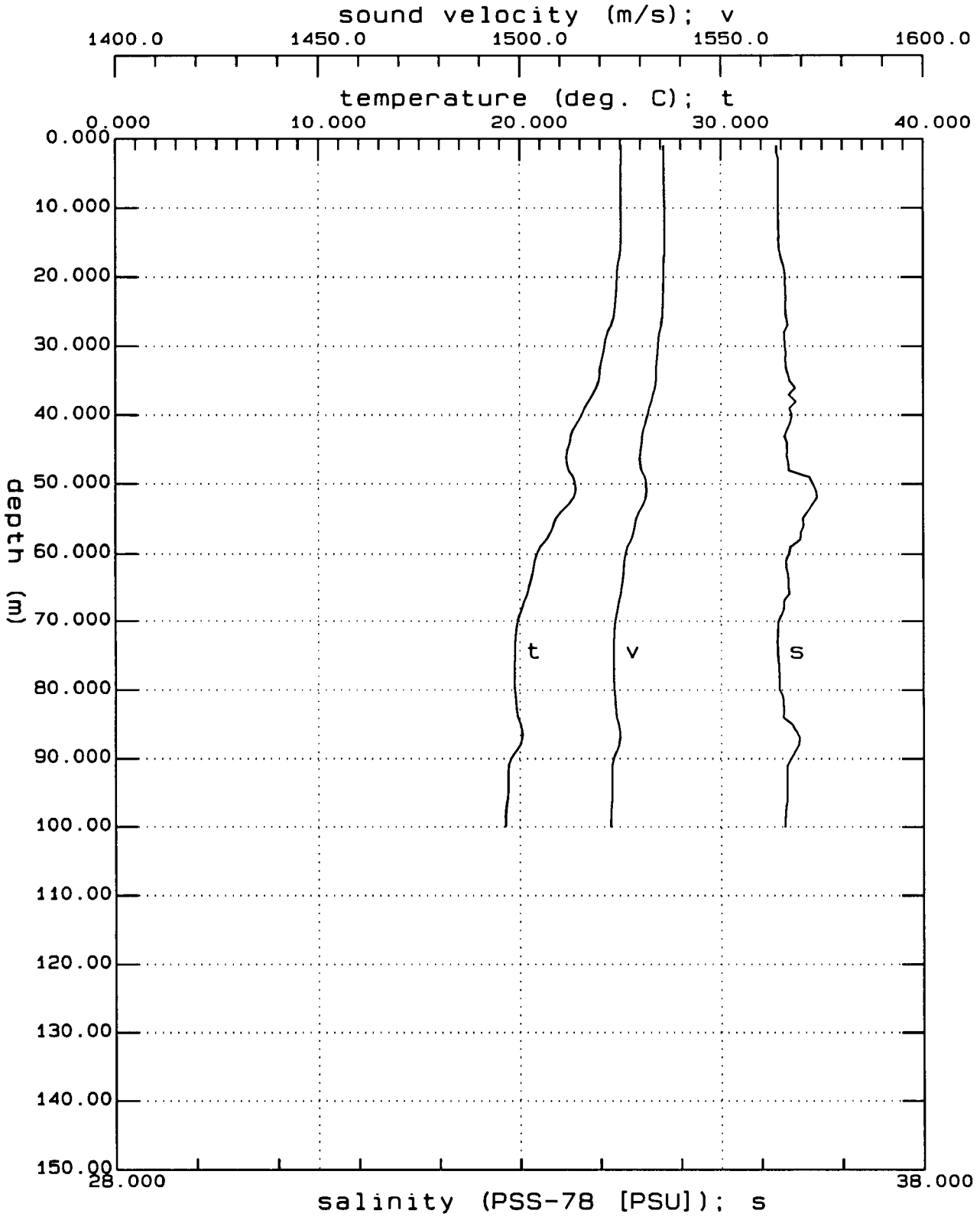


08-076.CNV: Gulfcet Cruise 05

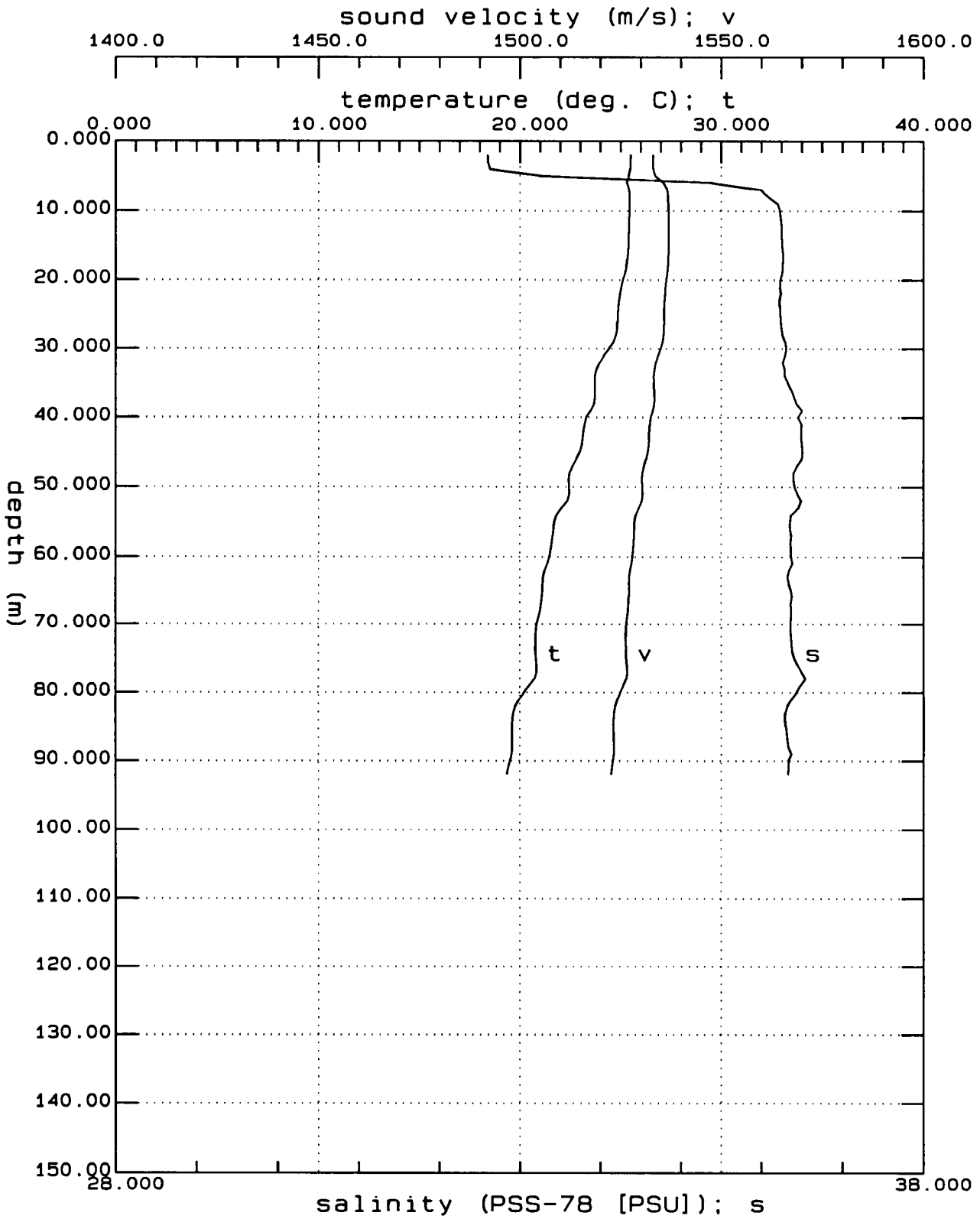


08-080.CNV: Gulfcet Cruise 05

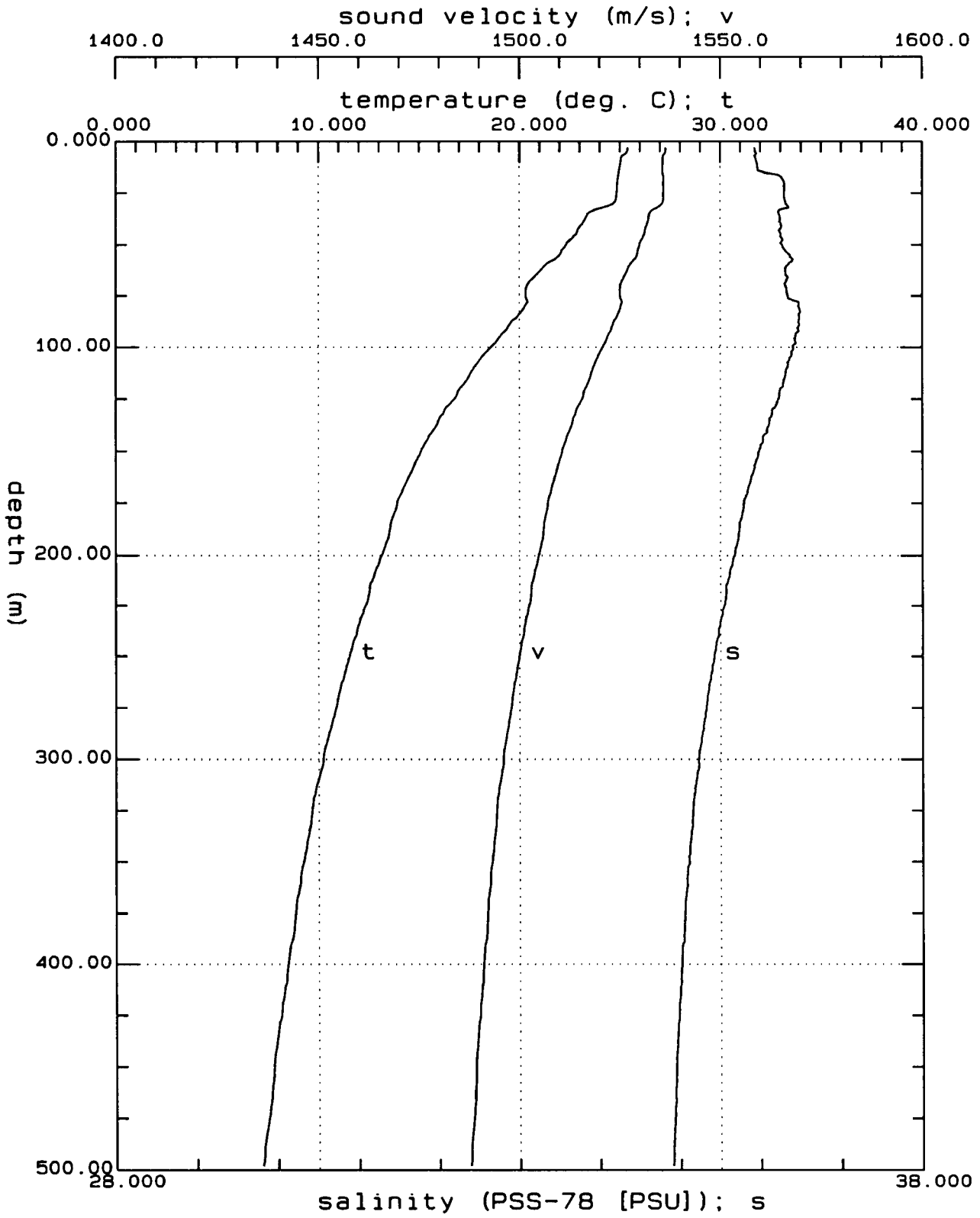




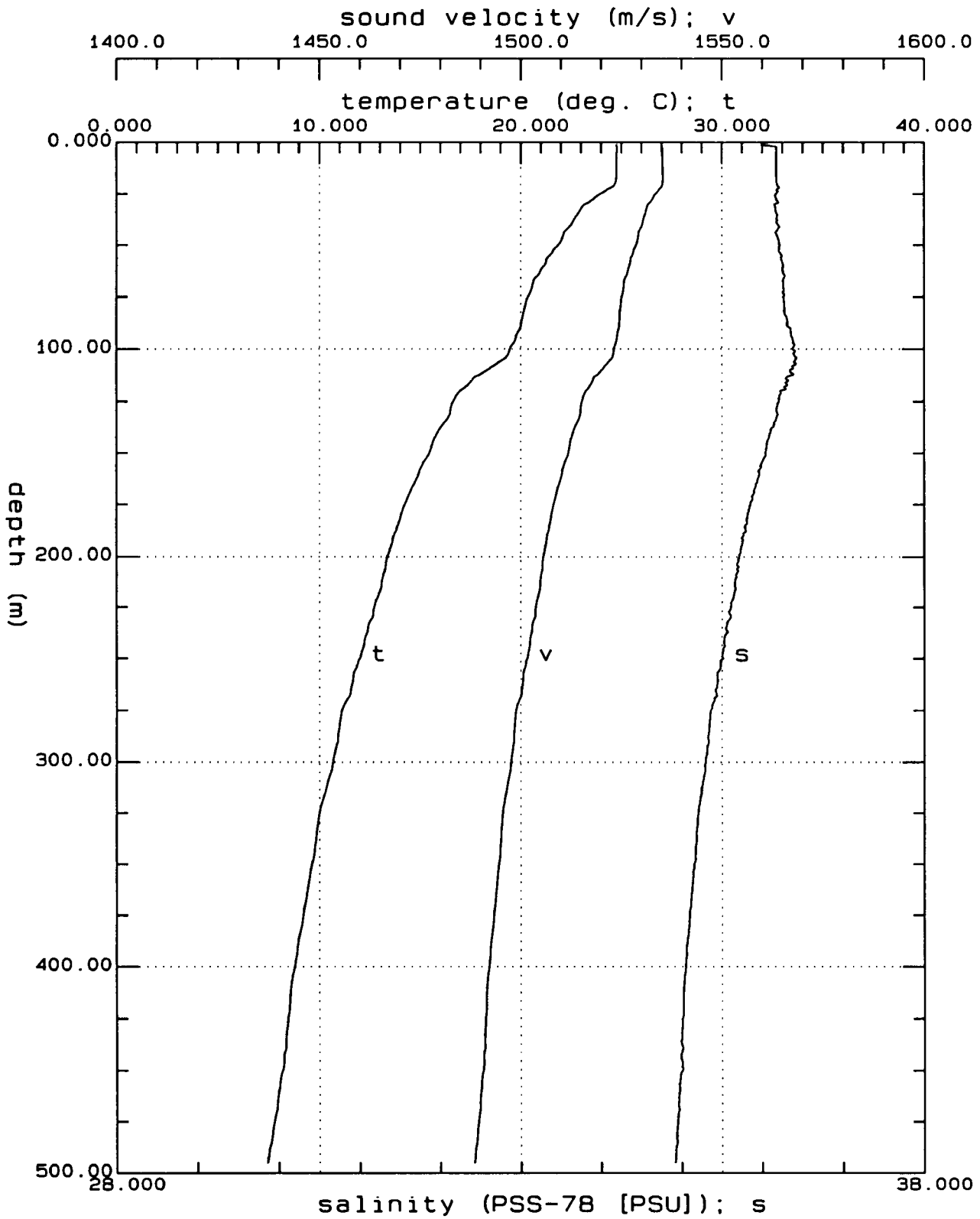
08-086.CNV: Gulfcet Cruise 05



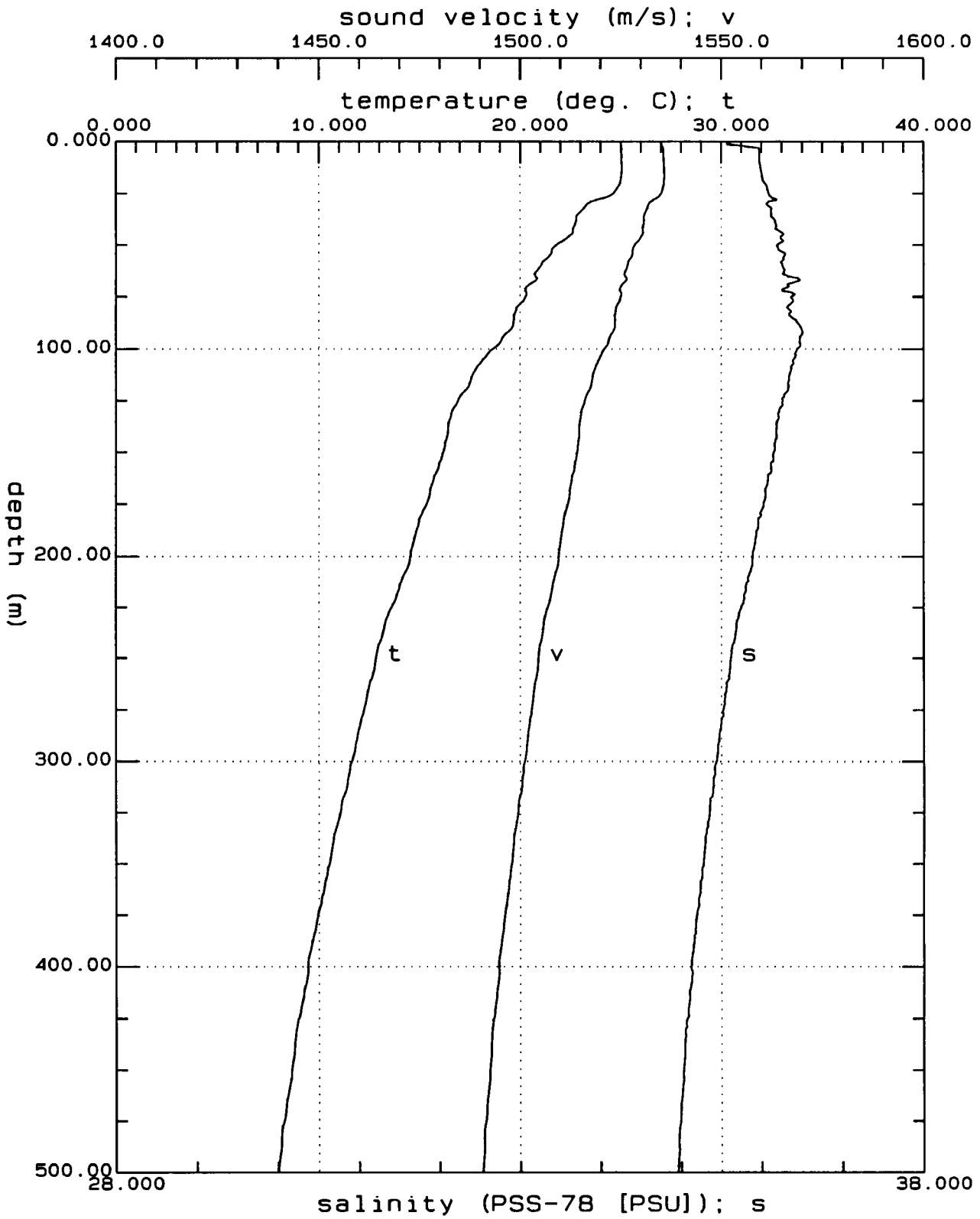
09-087.CNV: Gulfcet Cruise 05



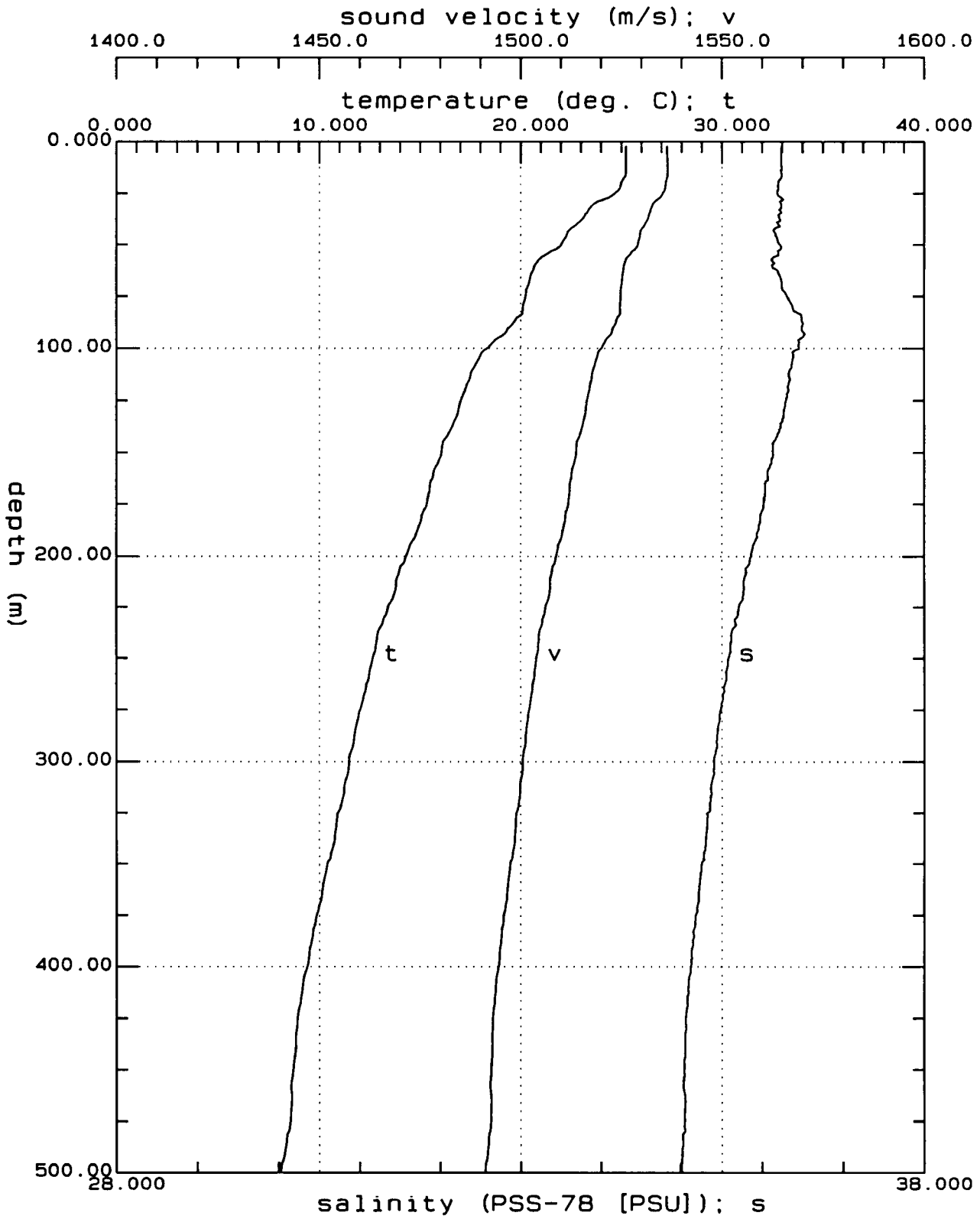
09-093.CNV: Gulfcet Cruise 05



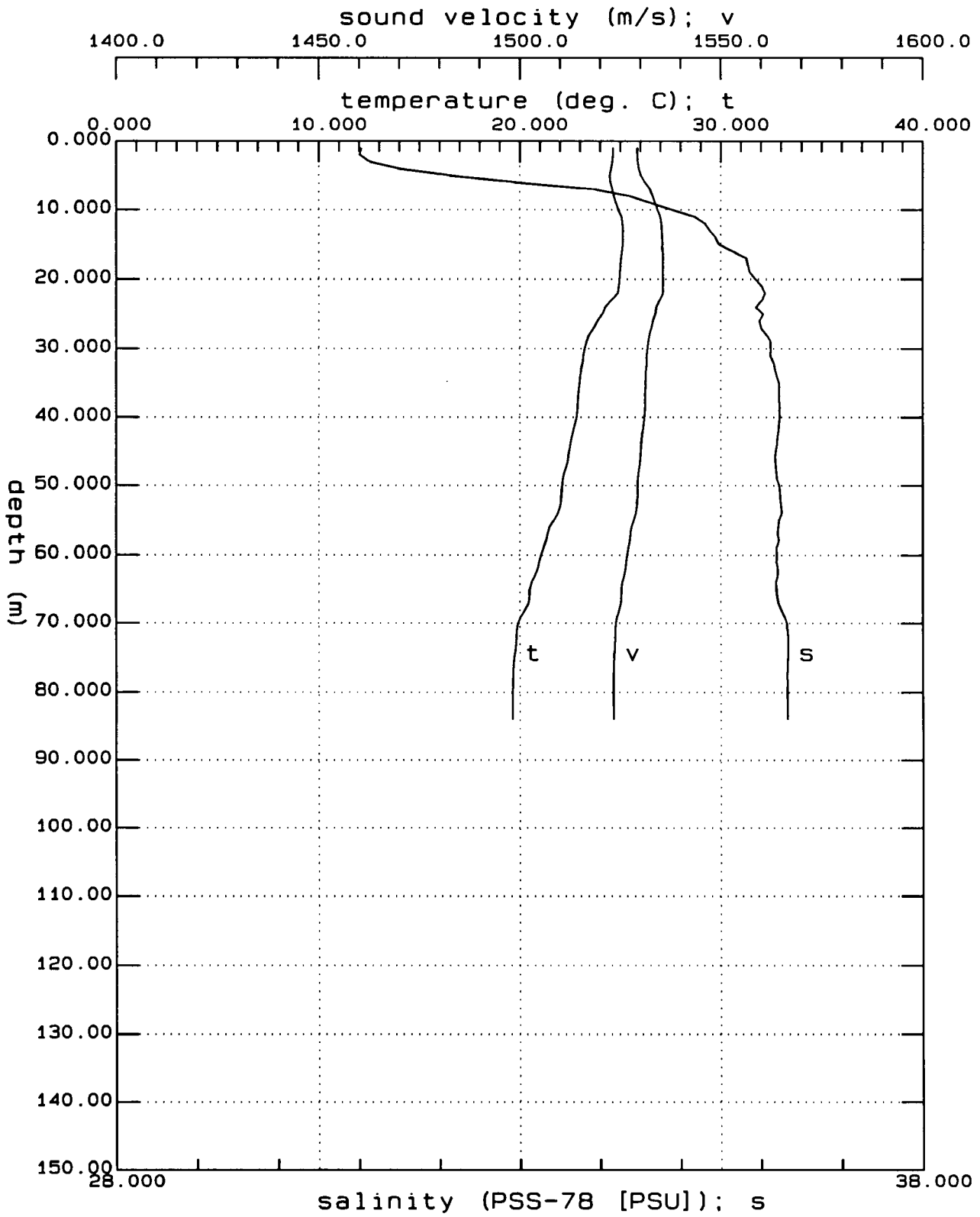
09-096.CNV: Gulfcet Cruise 05



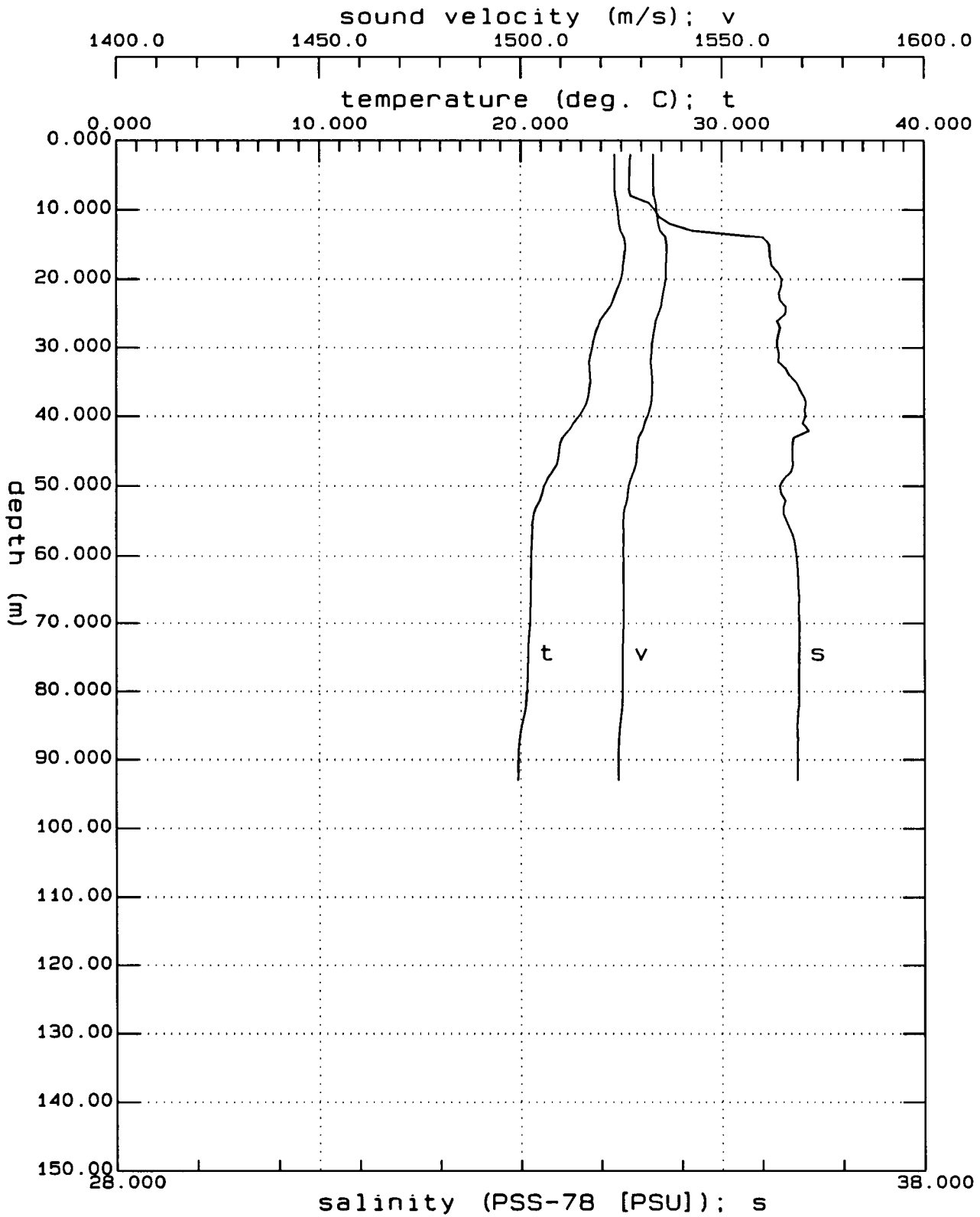
10-097.CNV: Gulfcet Cruise 05



10-100.CNV: Gulfcet Cruise 05

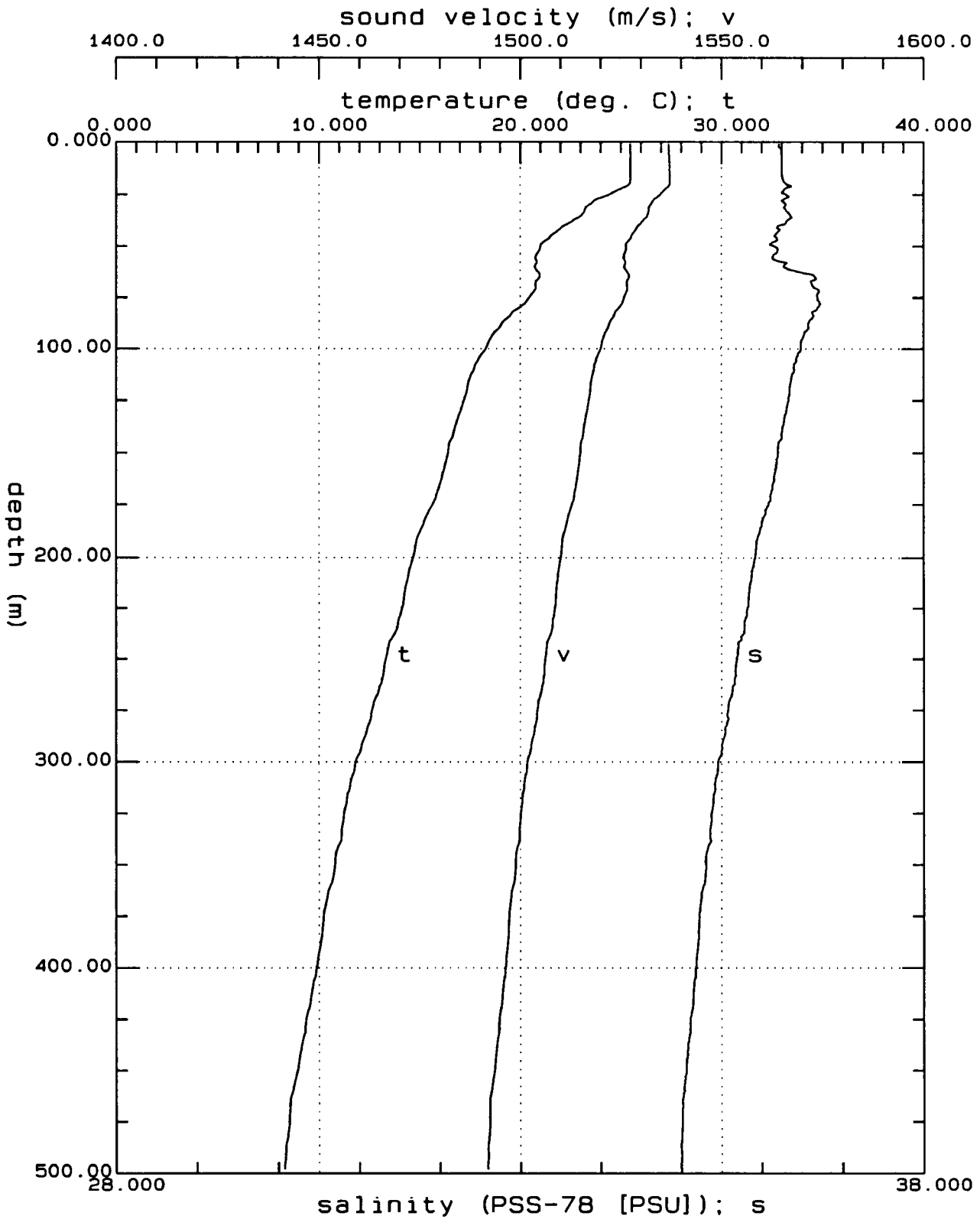


10-105.CNV: Gulfcet Cruise 05

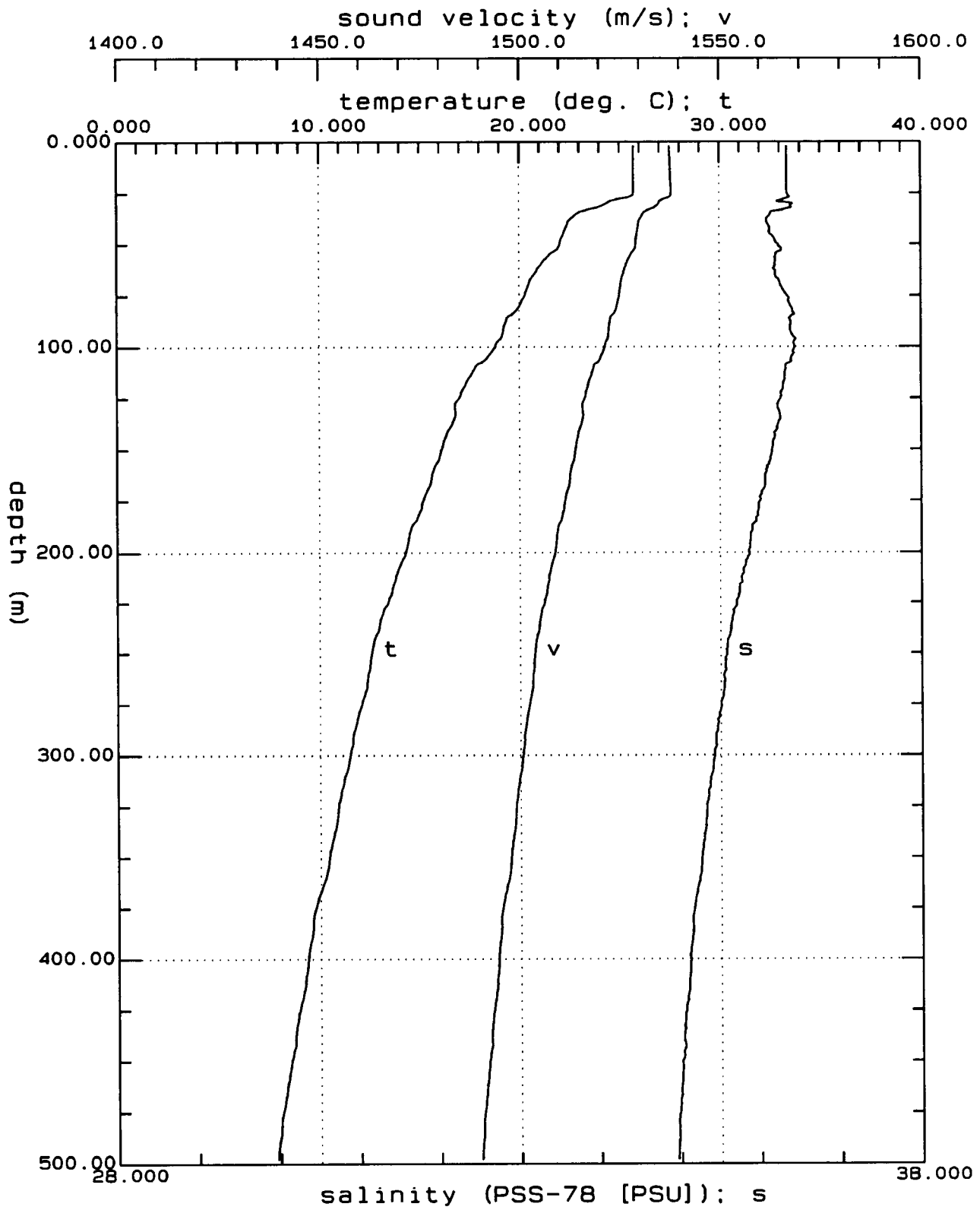


11-106.CNV: Gulfcet Cruise 05

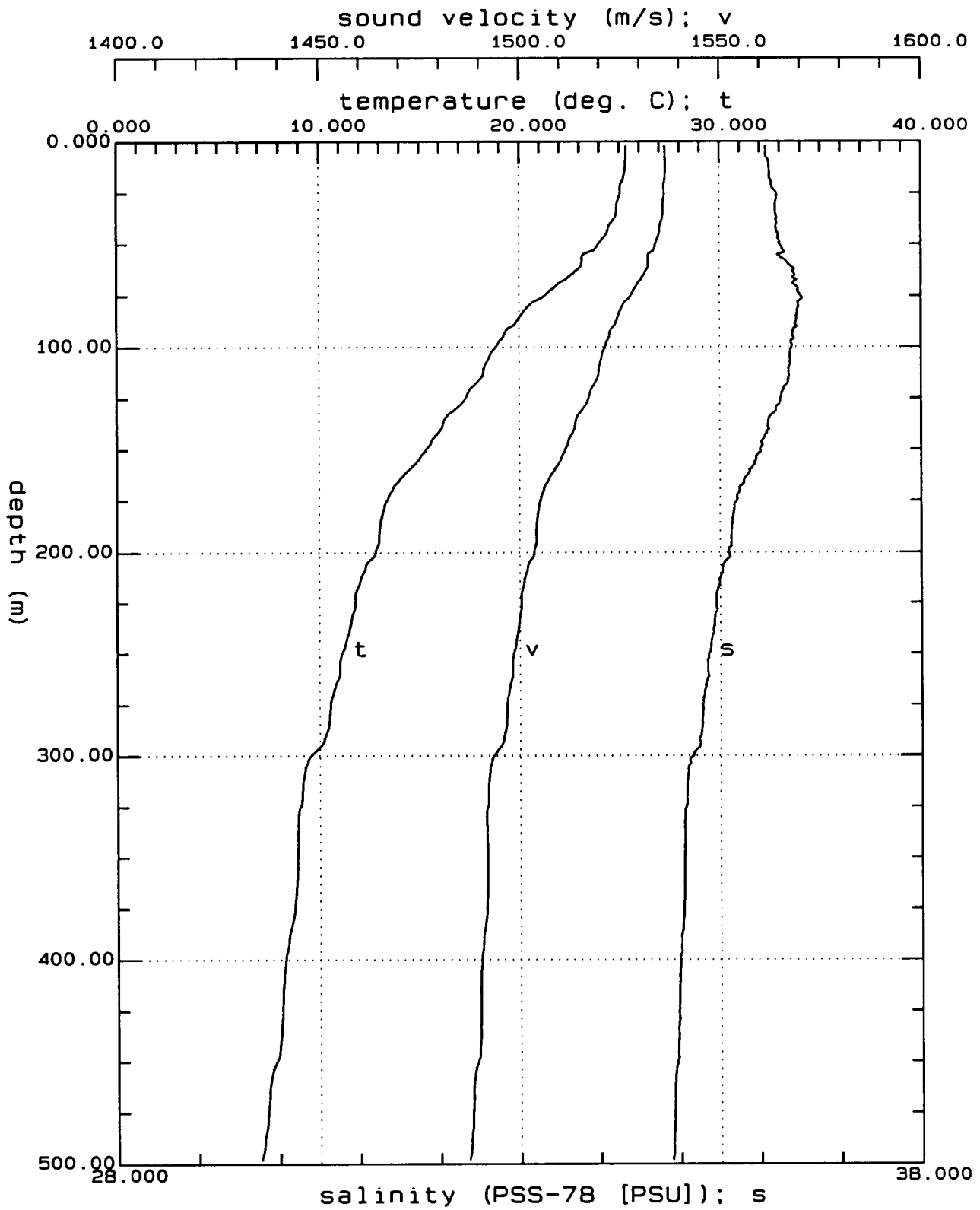




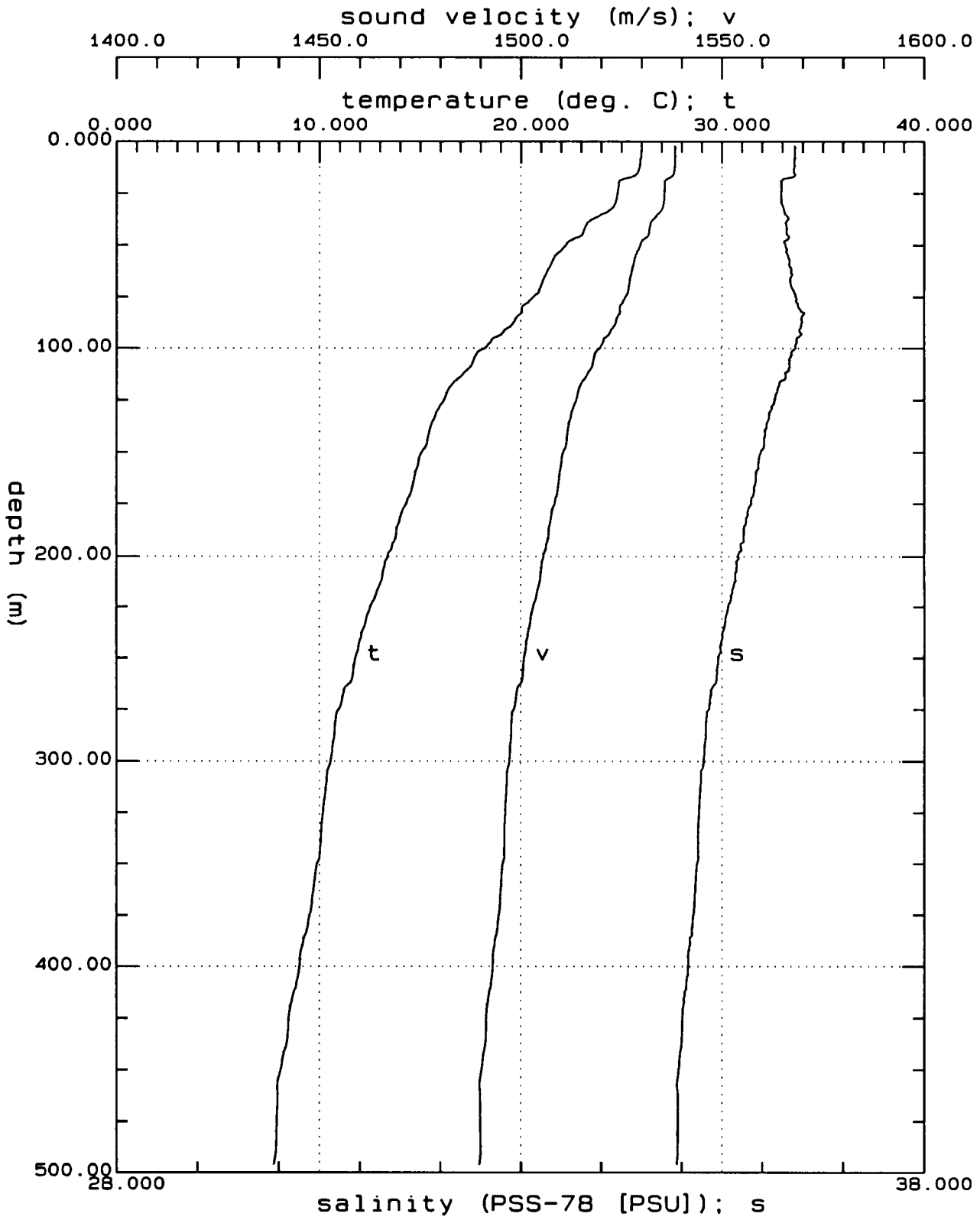
11-112.CNV: Gulfcet Cruise 05



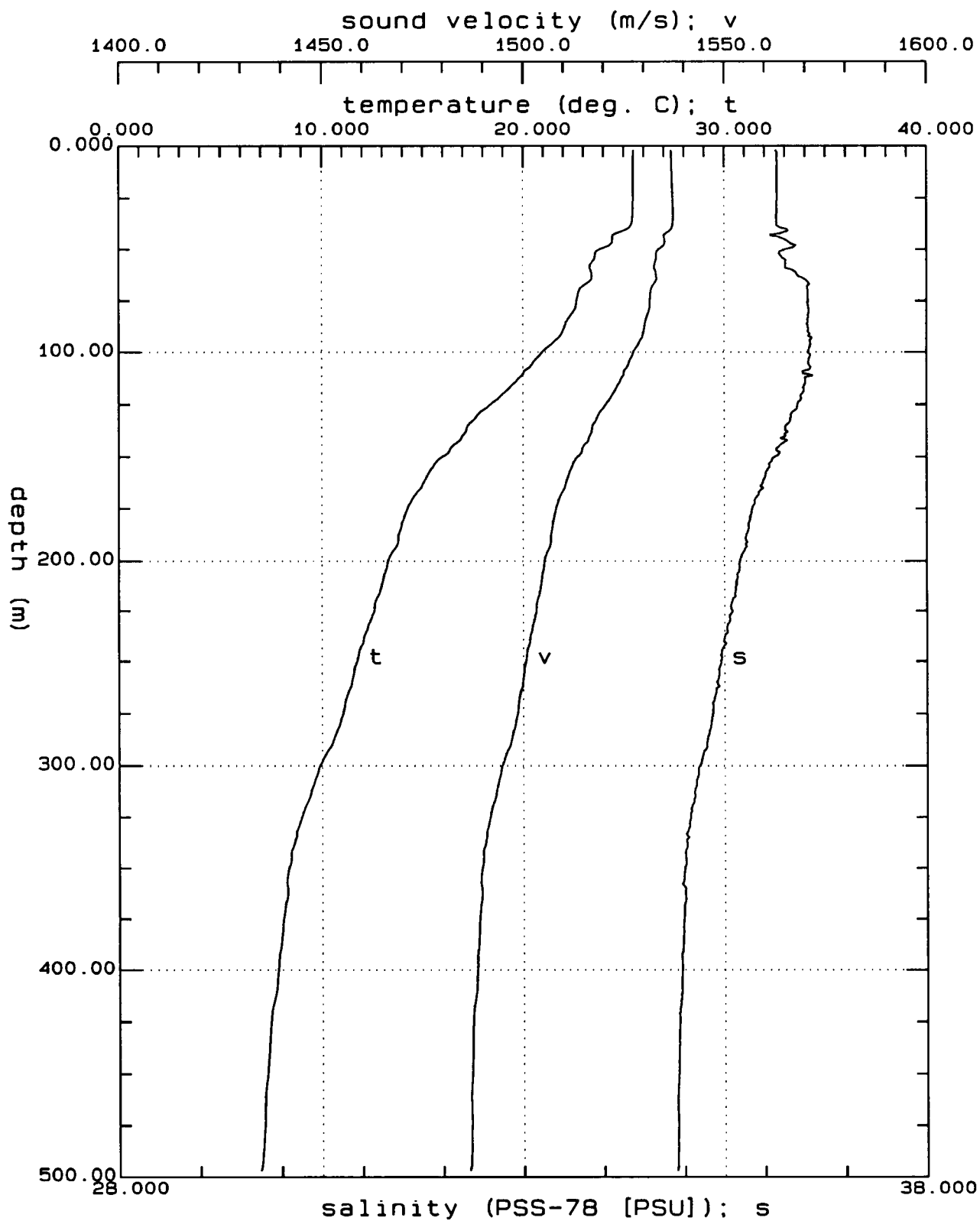
11-115.CNV: Gulfcet Cruise 05



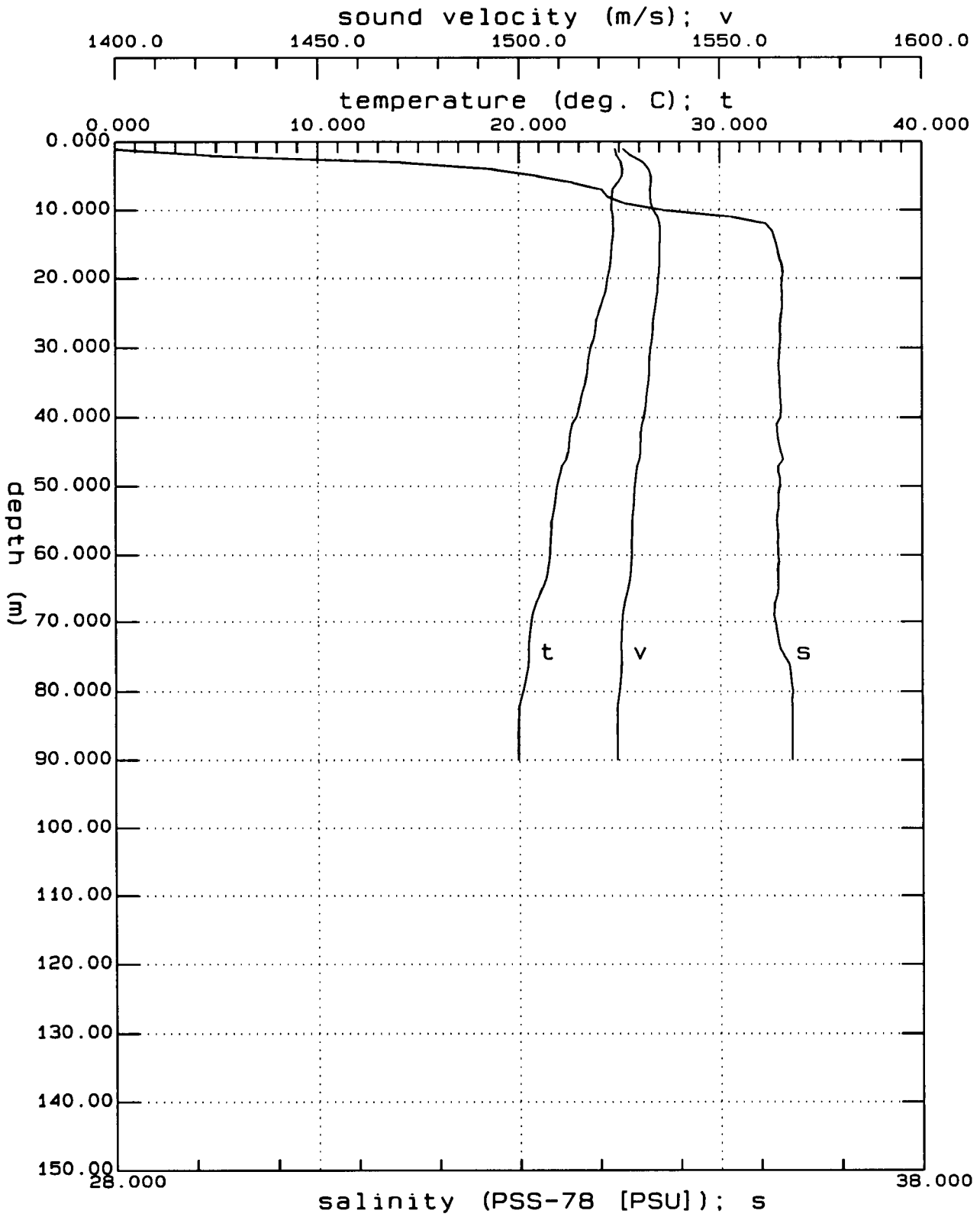
12-116.CNV: Gulfcet Cruise 05



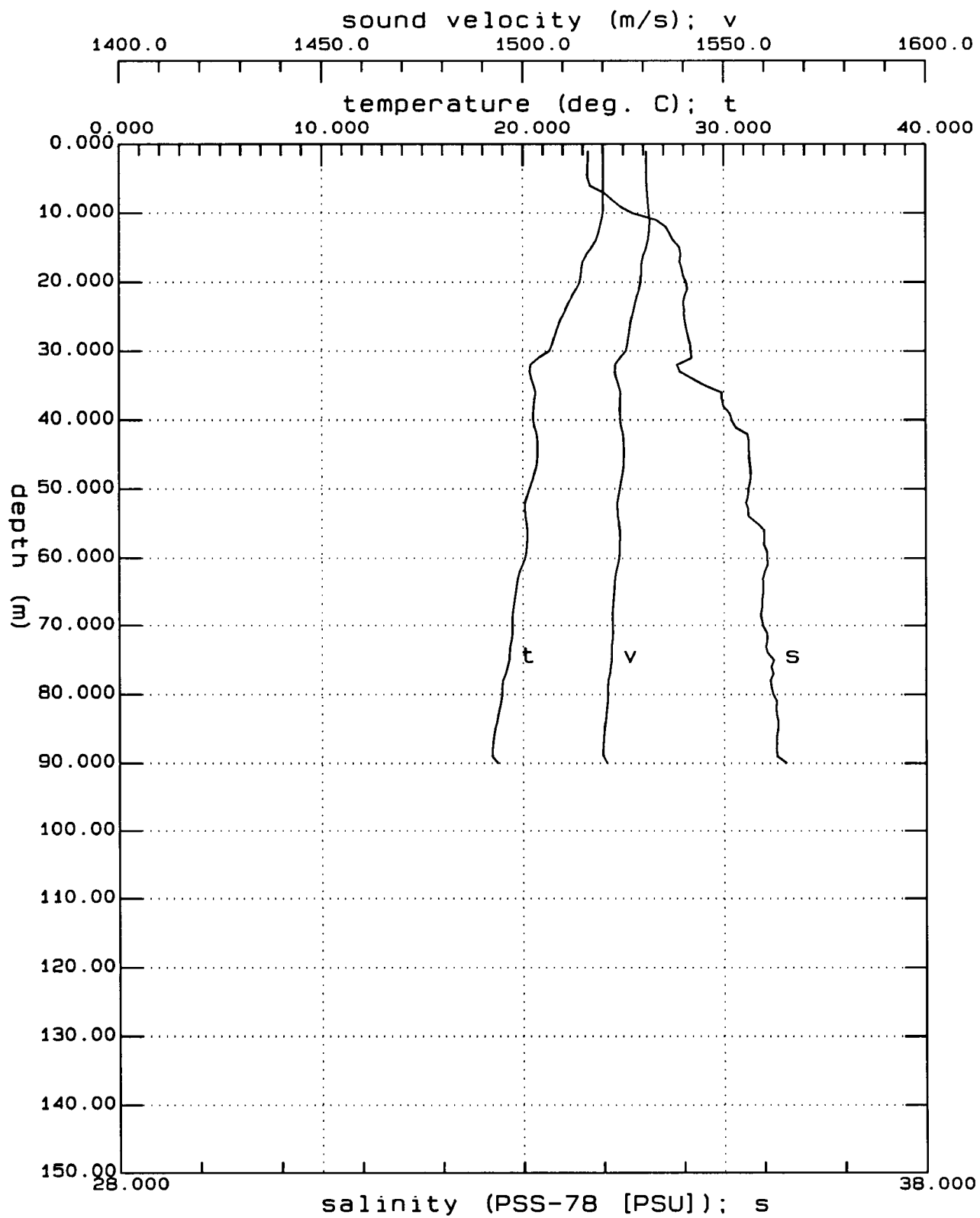
12-117.CNV: Gulfcet Cruise 05



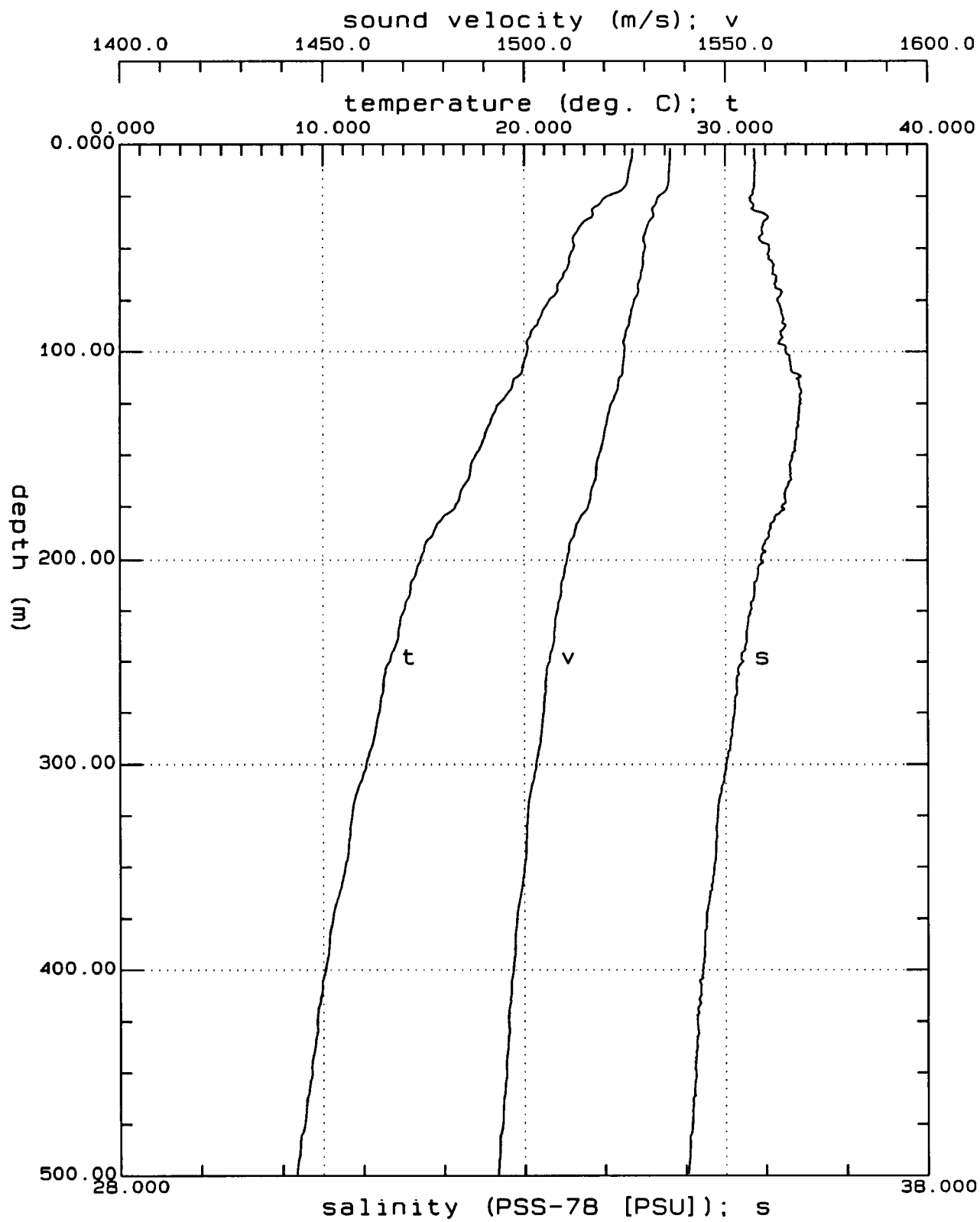
12-119.CNV: Gulfcet Cruise 05



12-125.CNV: Gulfcet Cruise 05

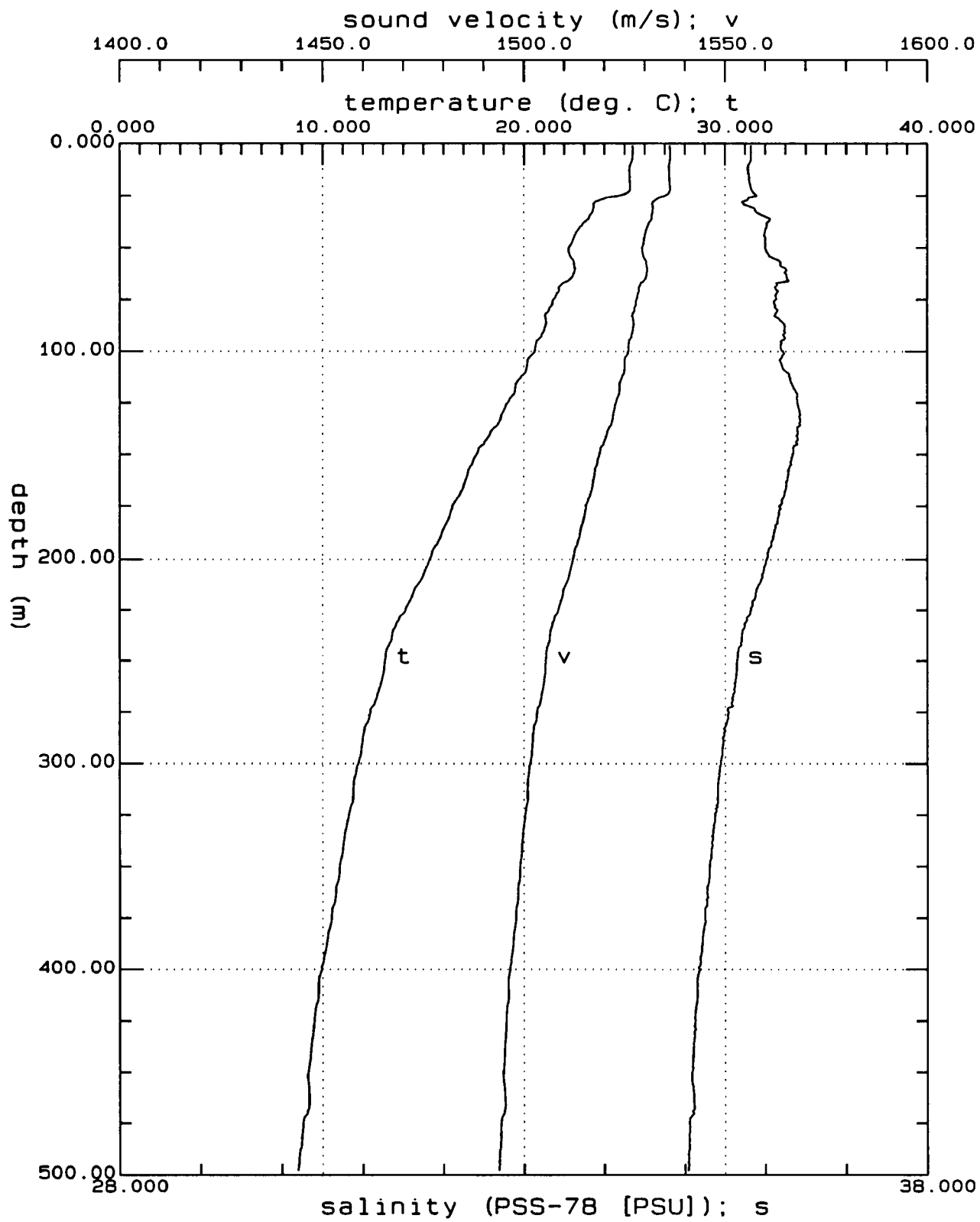


13-126.CNV: Gulfcet Cruise 05

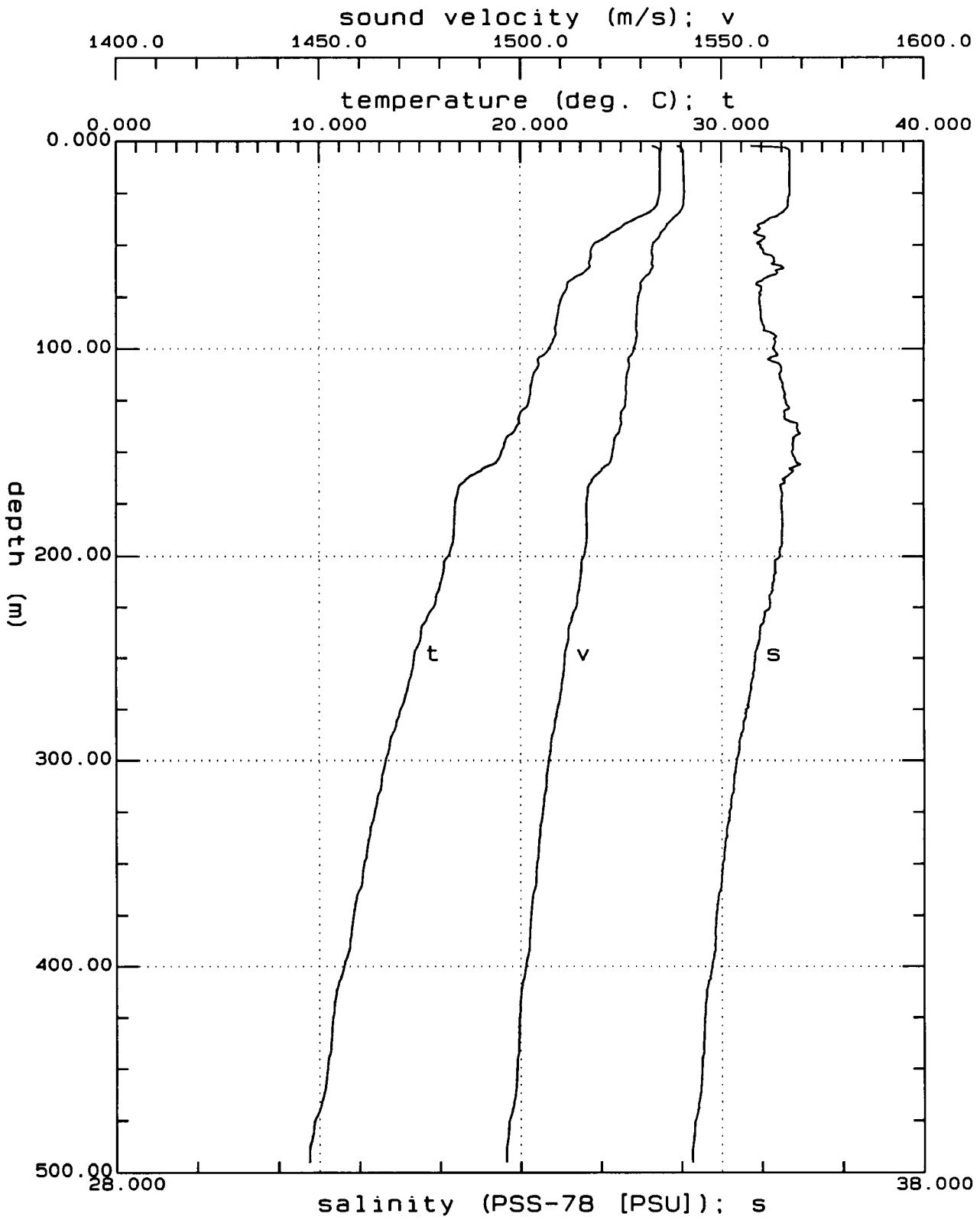


13-133.CNV: Gulfcet Cruise 05

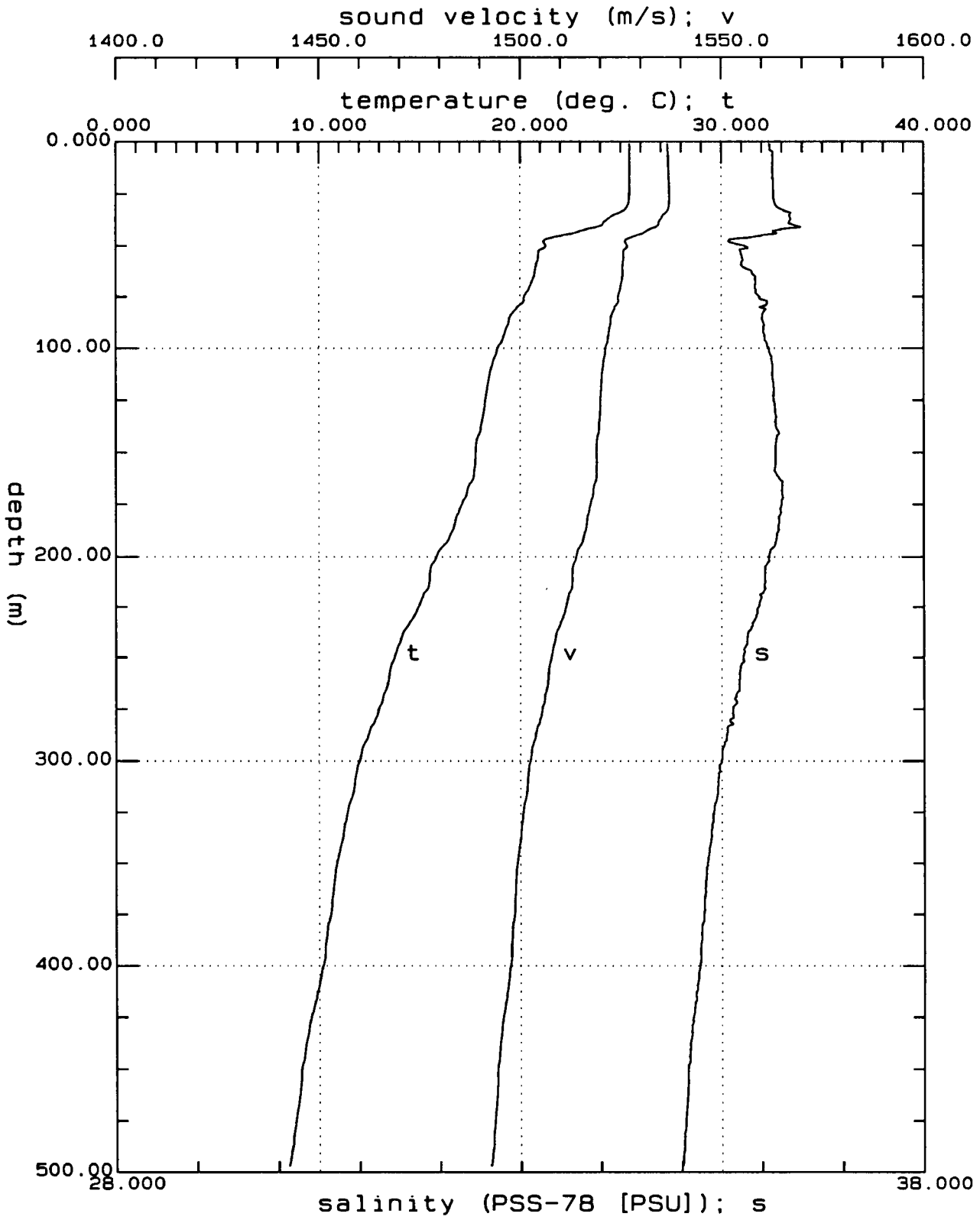




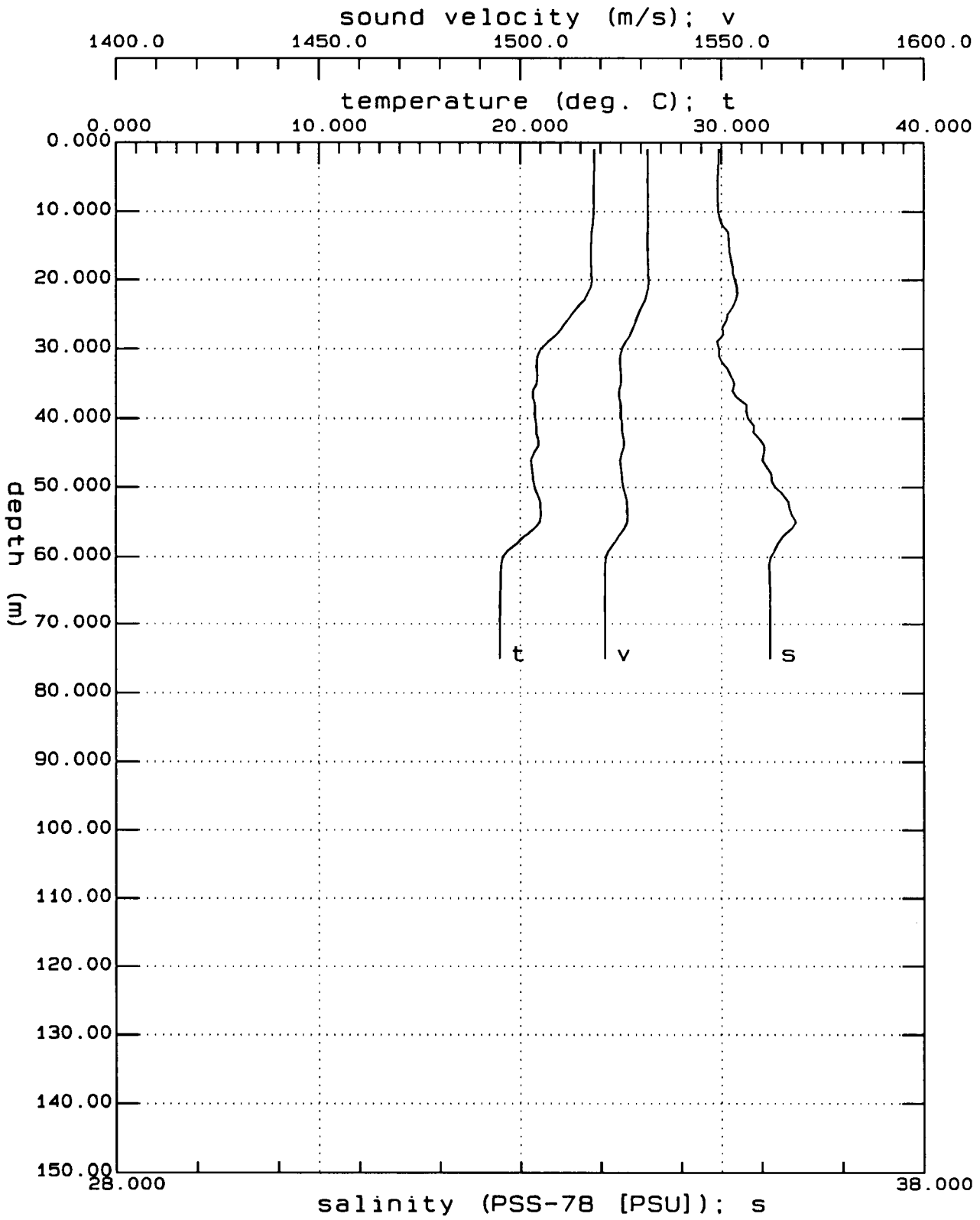
13-134.CNV: Gulfcet Cruise 05



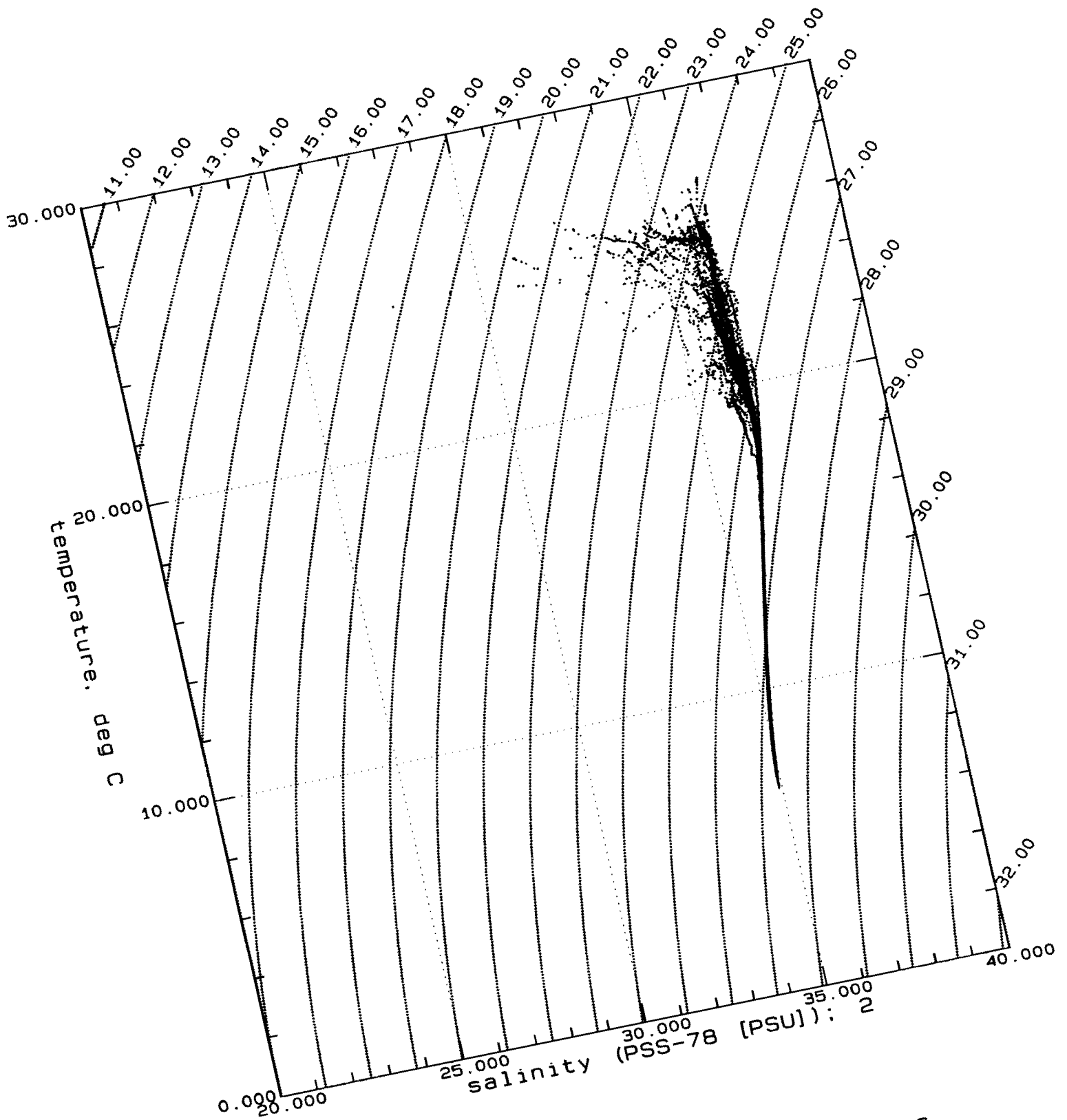
14-135.CNV: Gulfcet Cruise 05



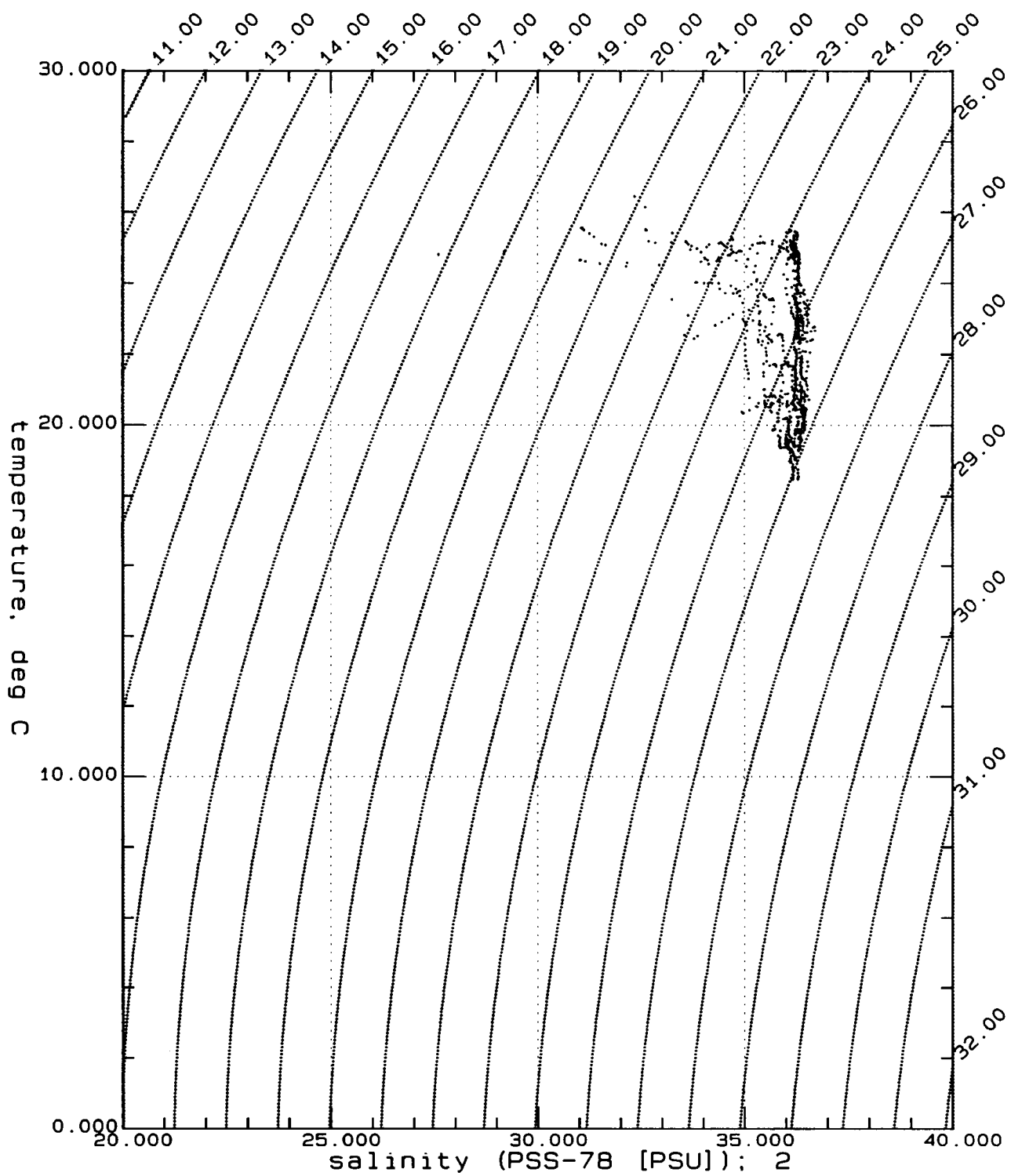
14-136.CNV: Gulfcet Cruise 05



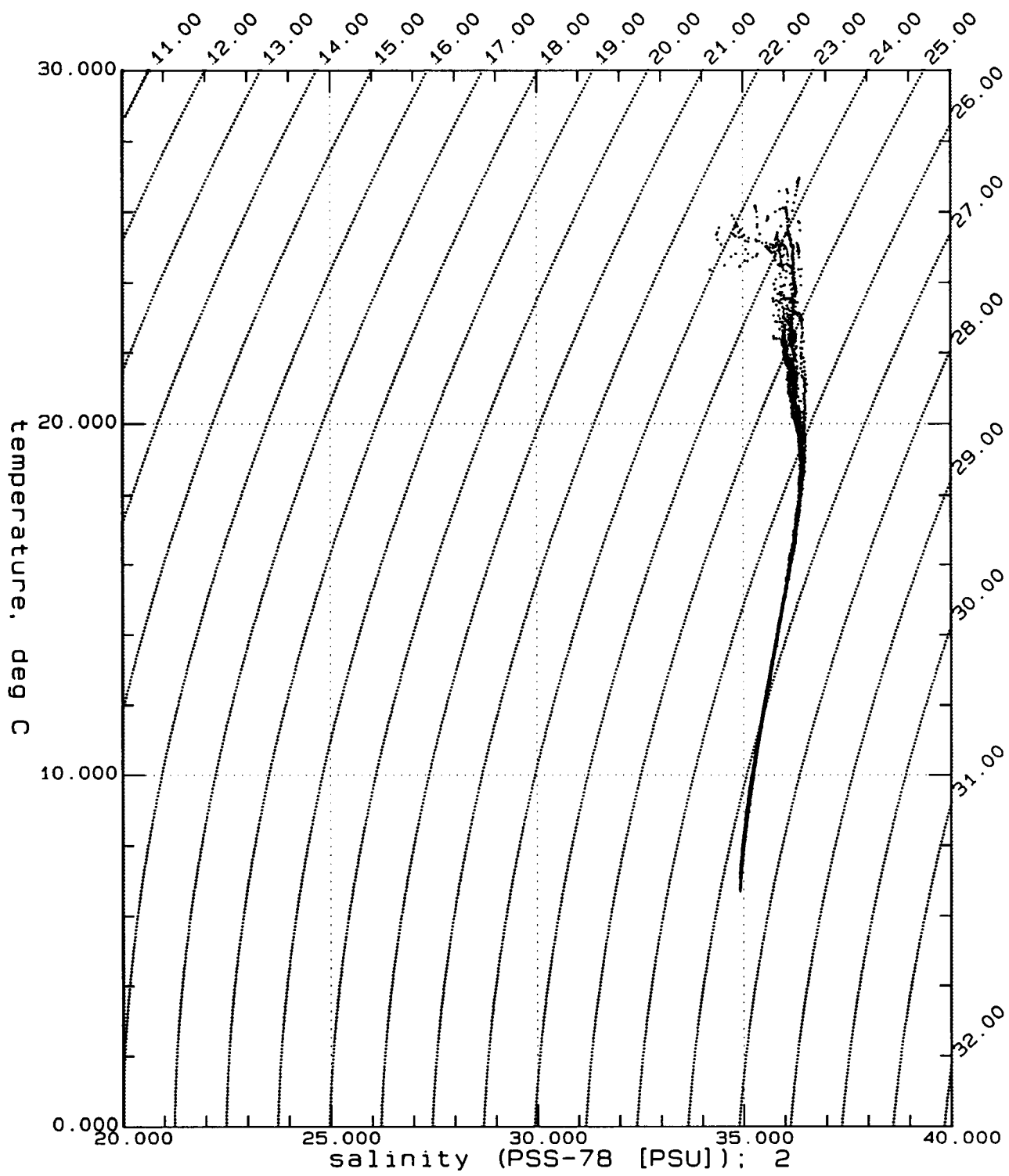
14-143.CNV: Gulfcet Cruise 05



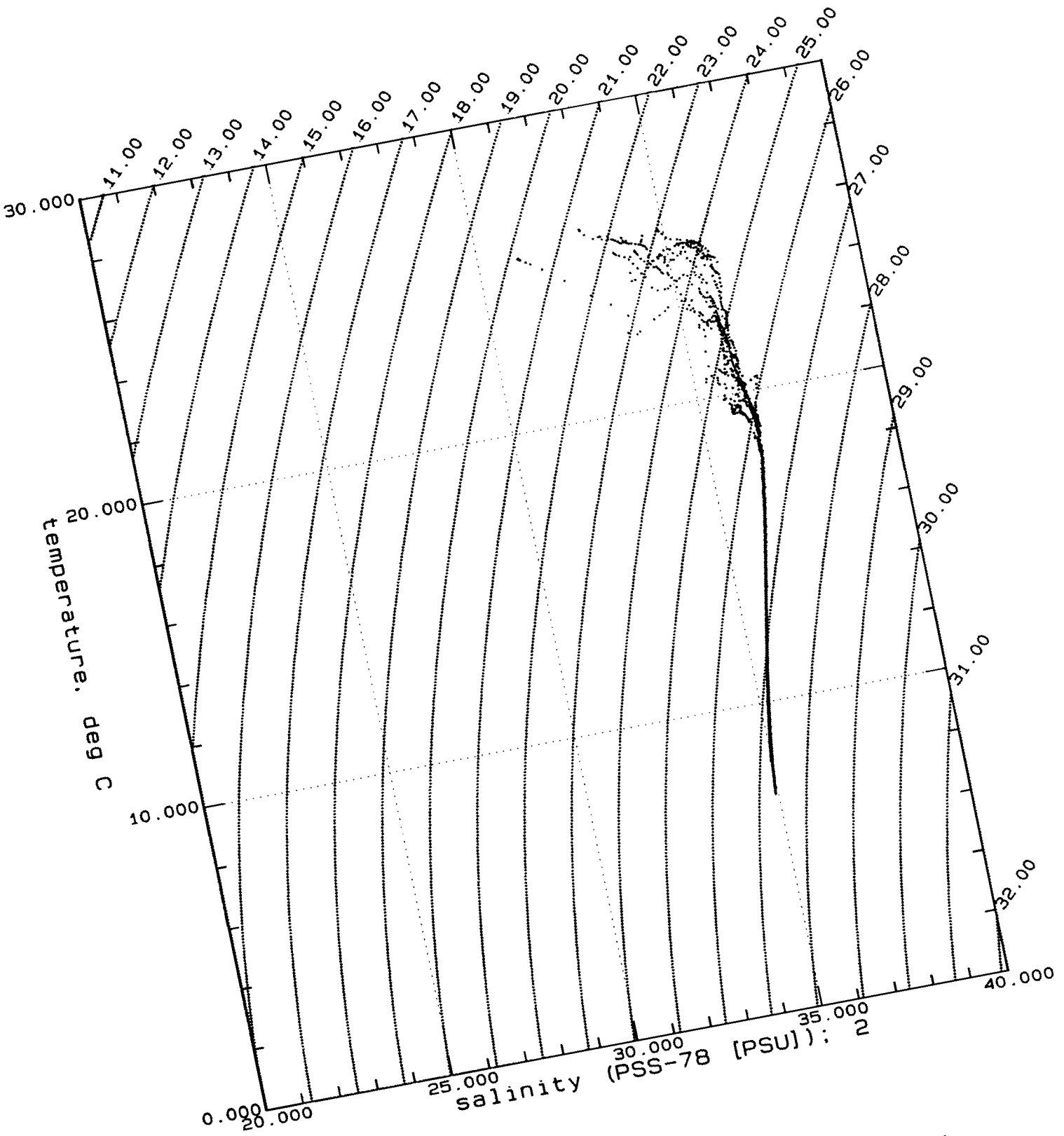
Gulfcet Cruise 05 - All Stations



Gulfcet Cruise 05 - Inshore Stations

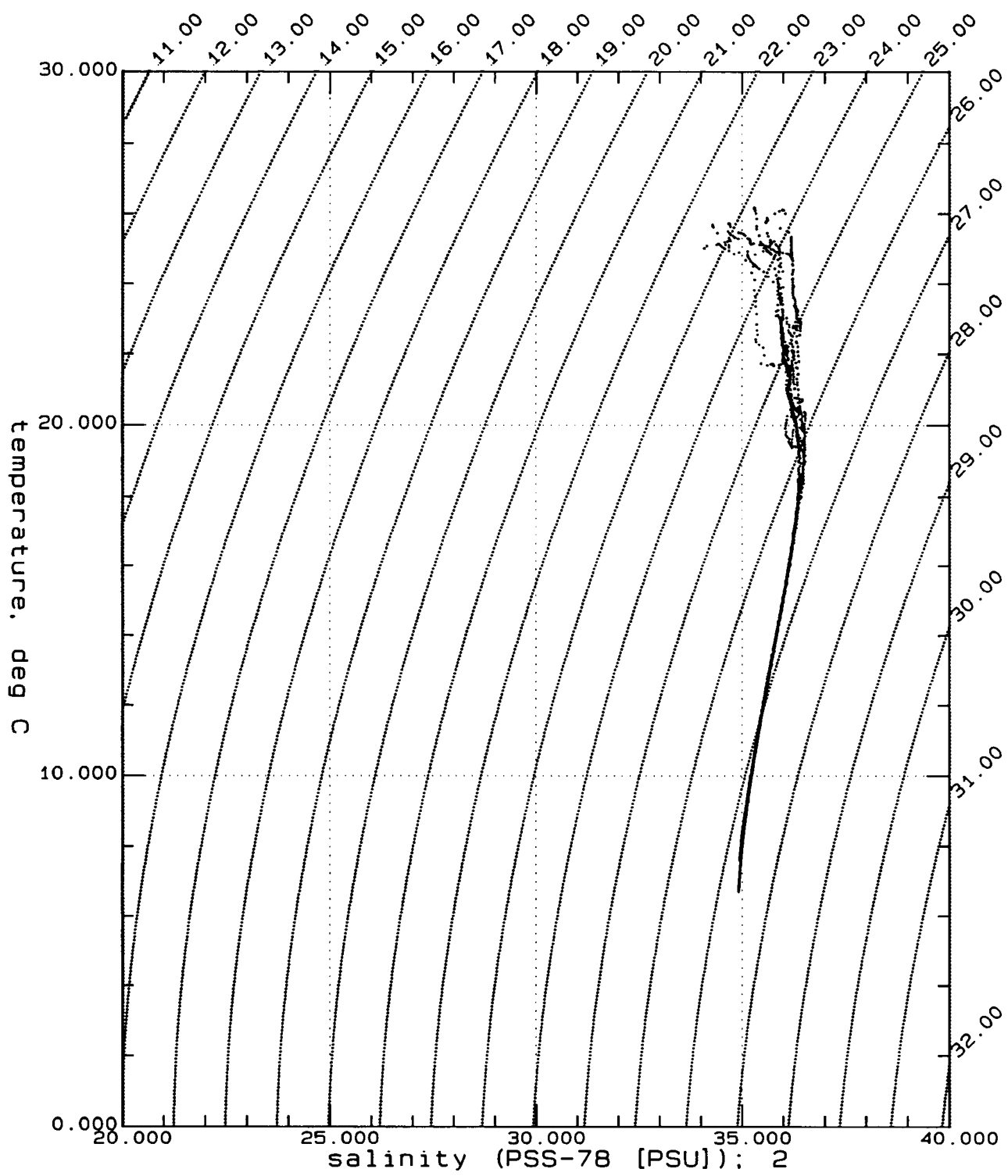


Gulfcet Cruise 05 - Offshore Stations

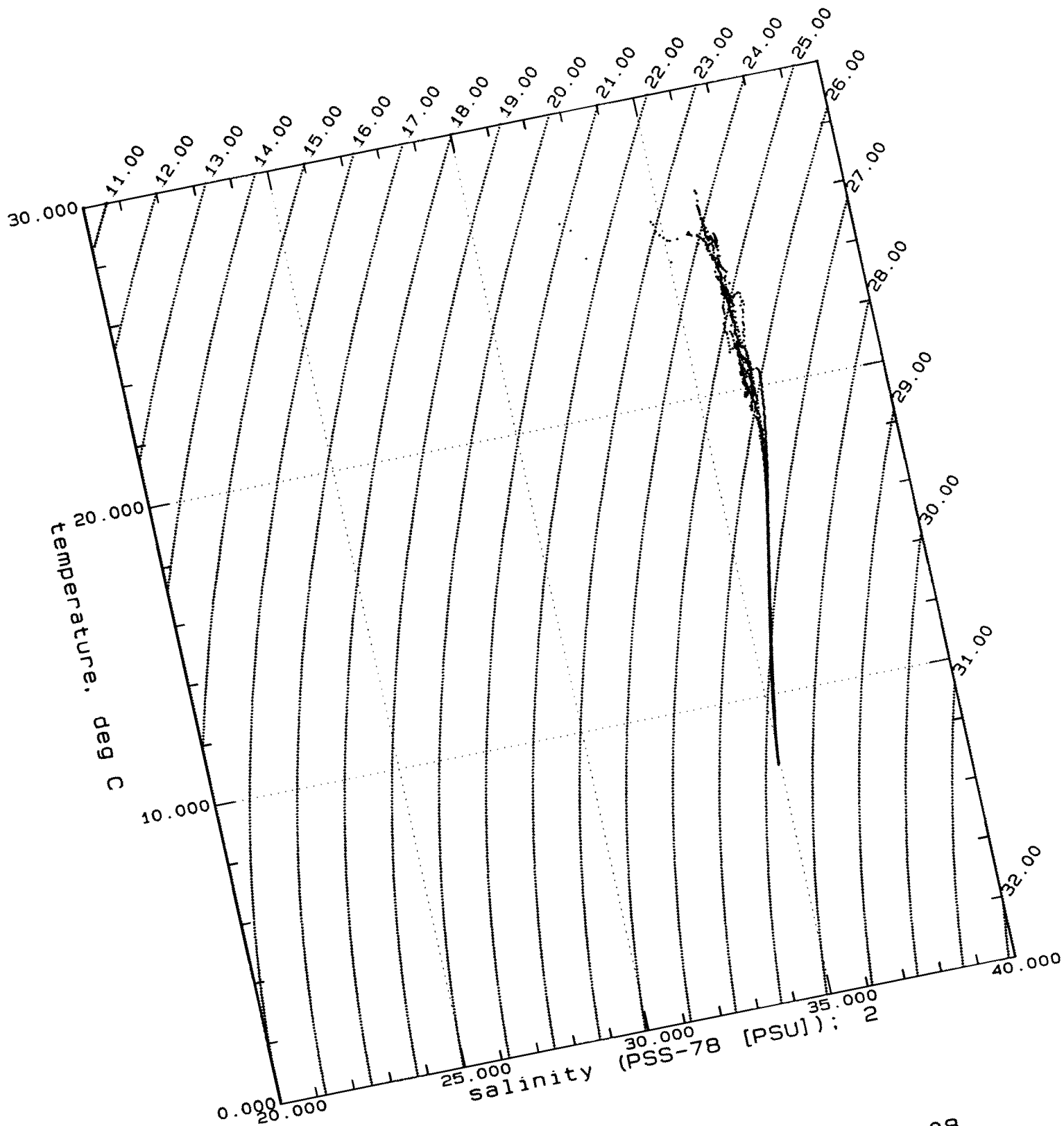


Gulfcet Cruise 05 - Lines 03 and 04

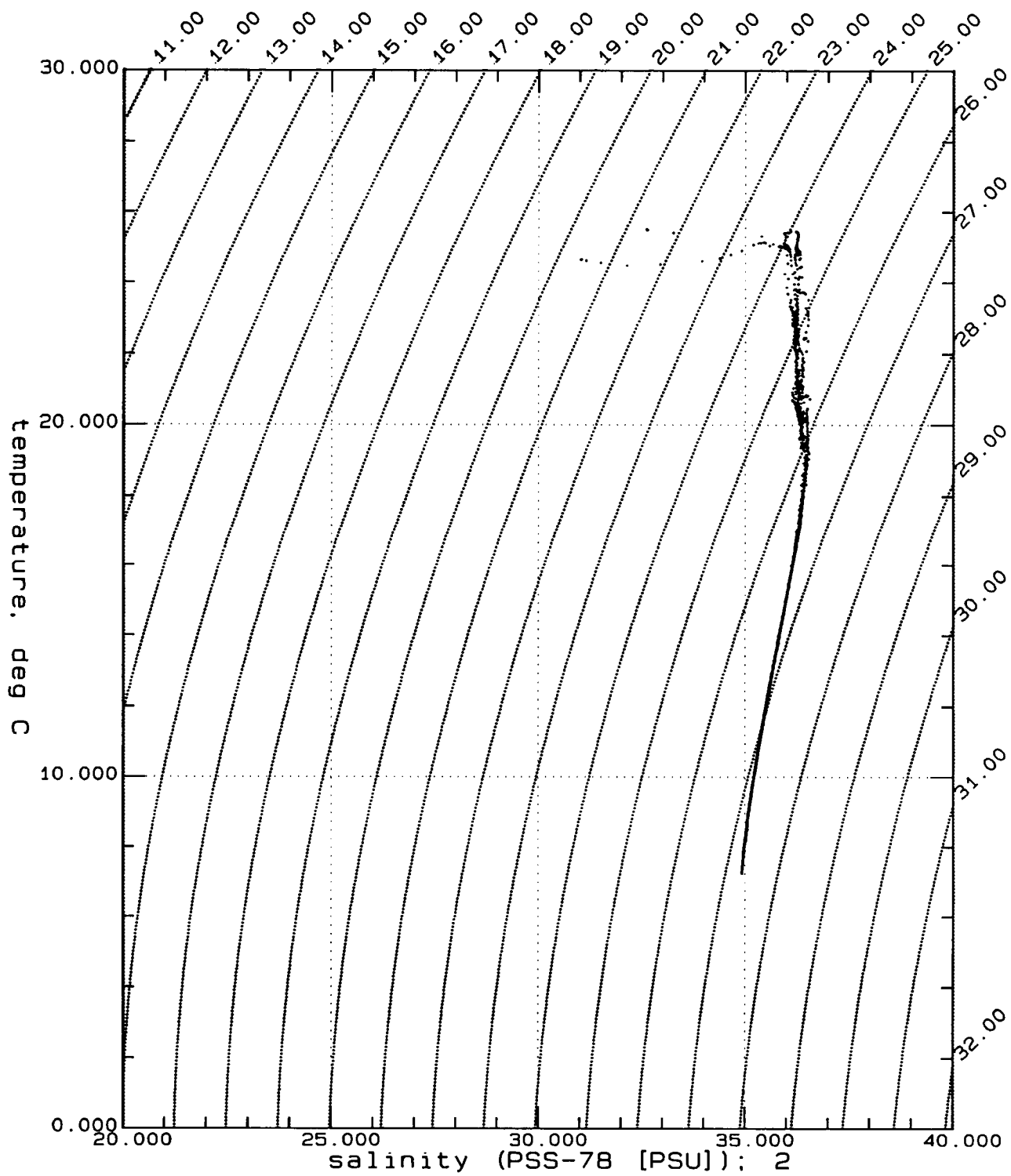




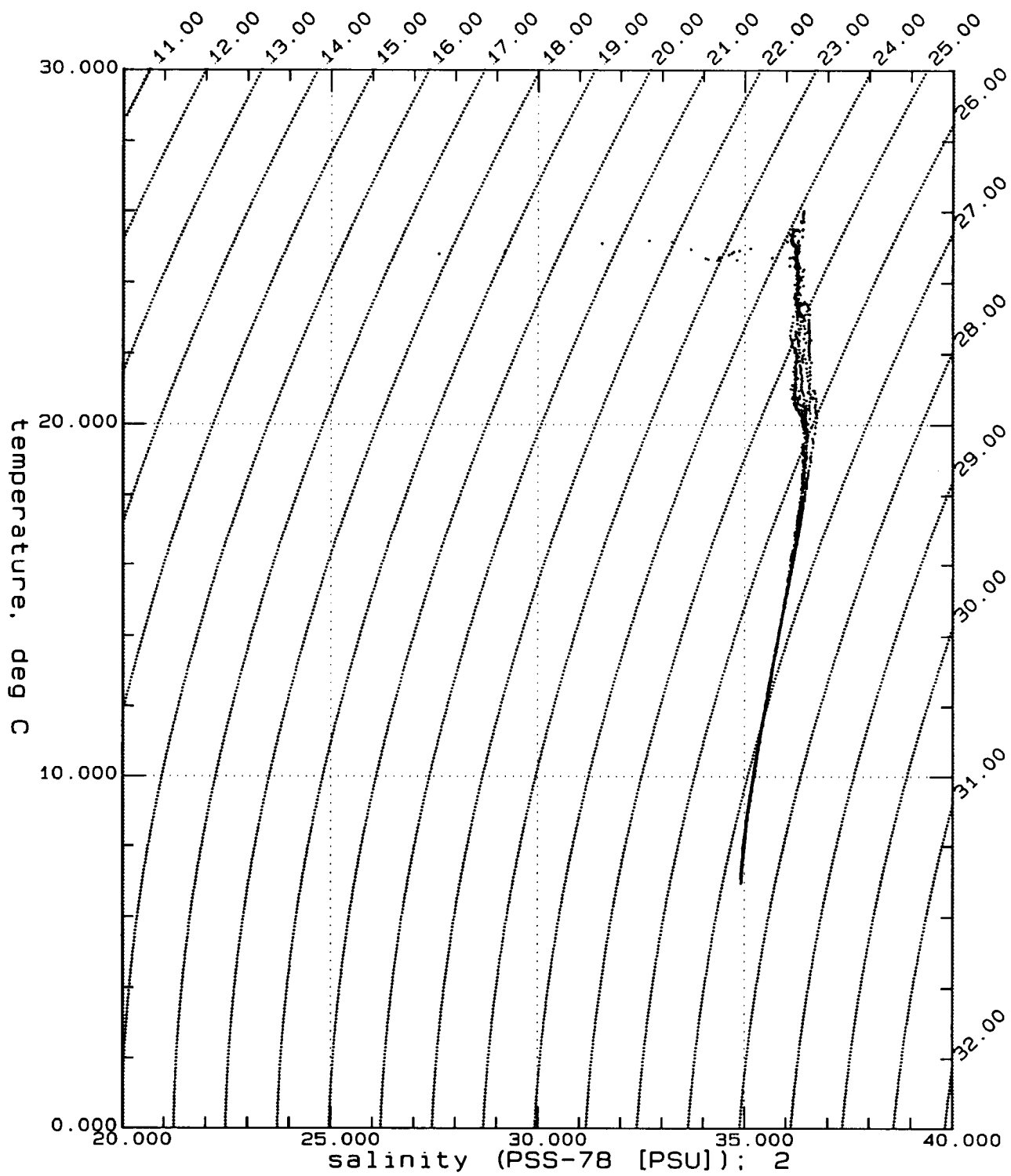
Gulfcet Cruise 05 - Lines 05 and 06



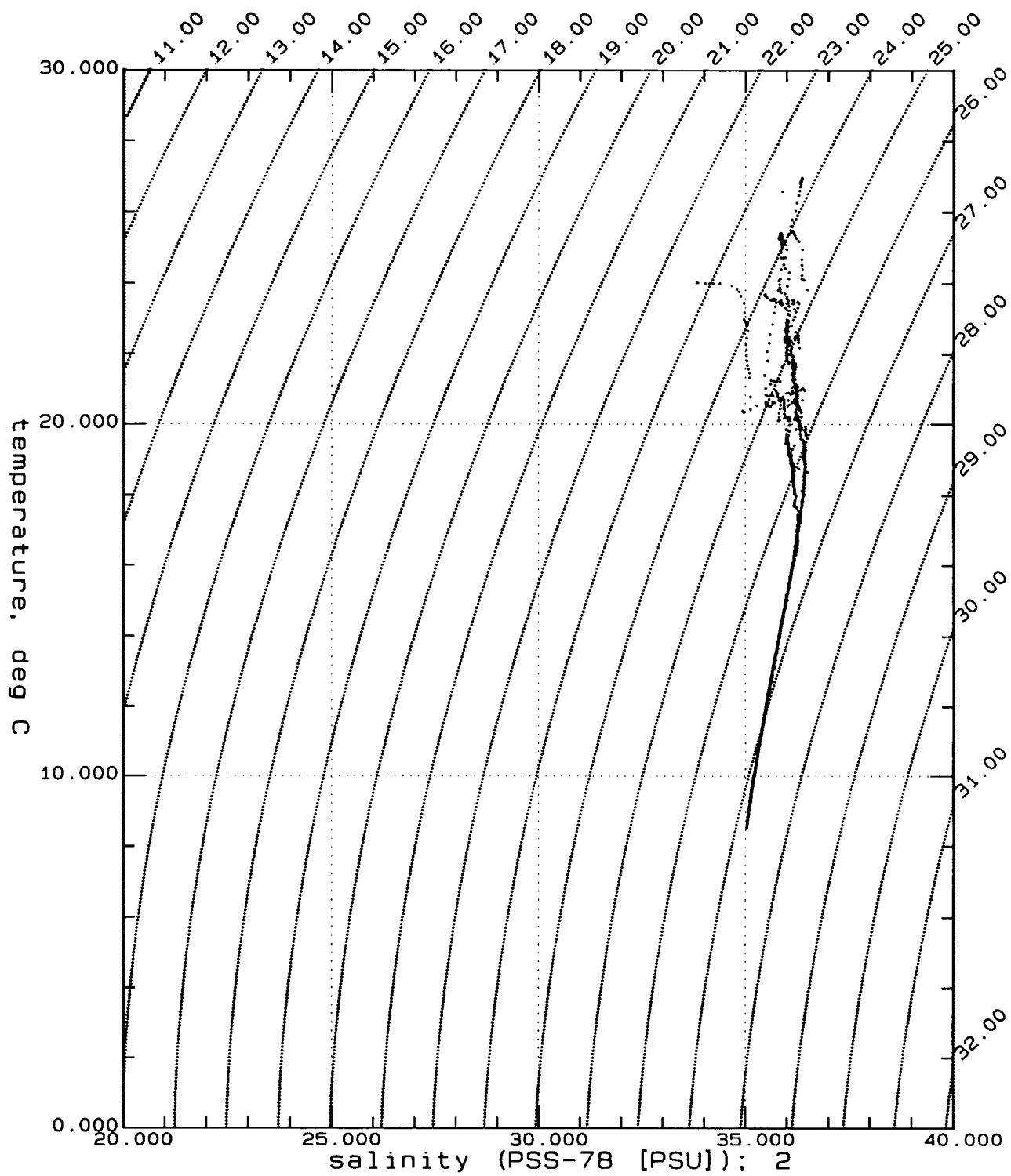
Gulfcet Cruise 05 - Lines 07 and 08



Gulfcet Cruise 05 - Lines 09 and 10

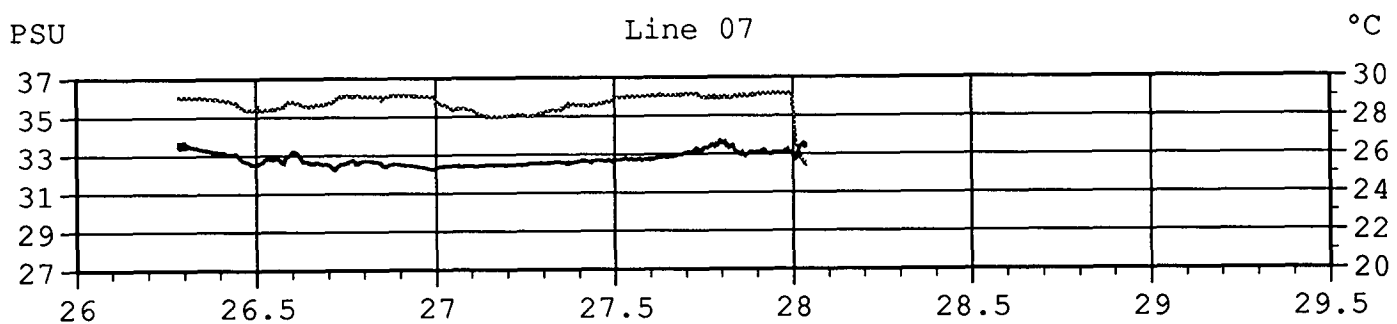
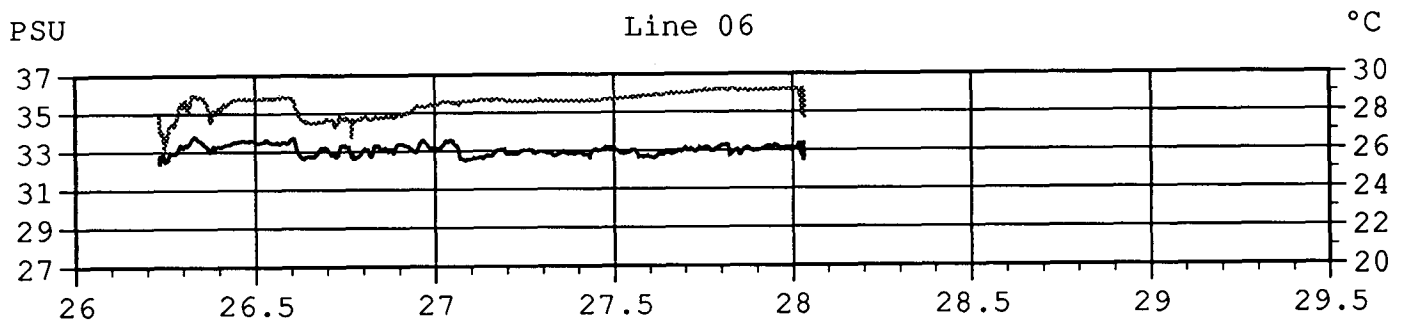
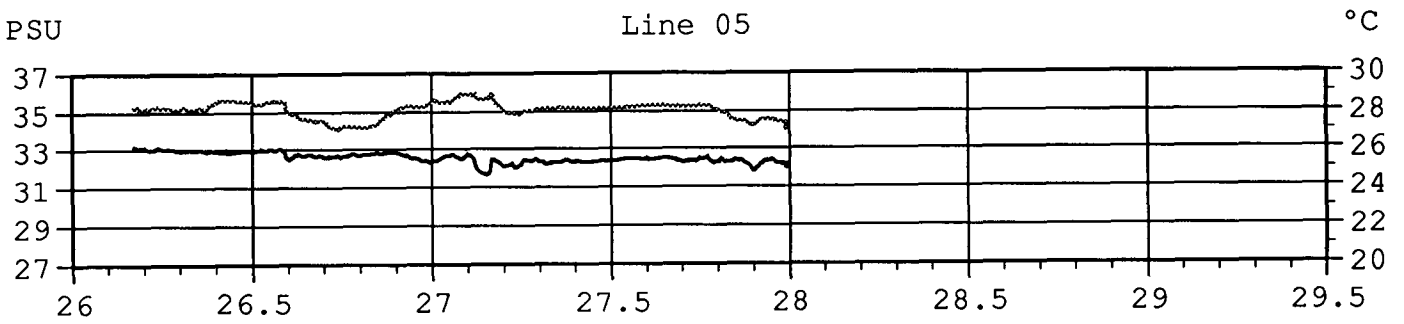
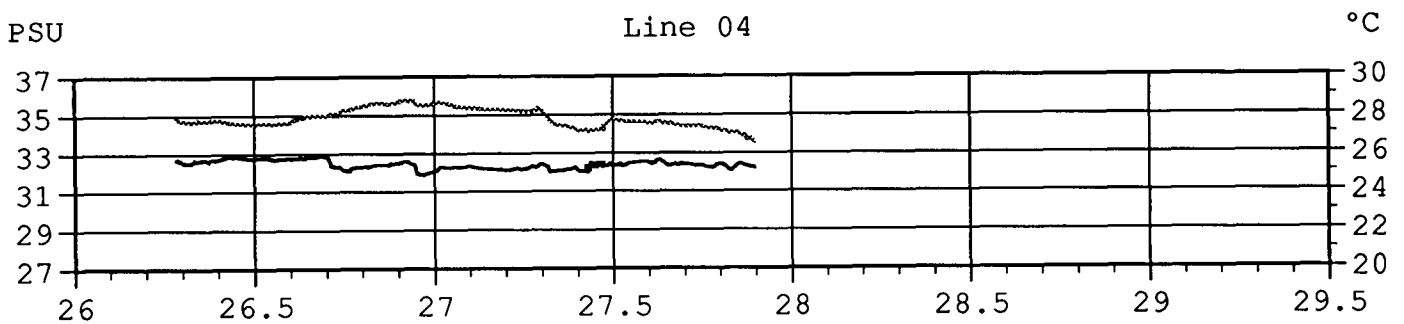
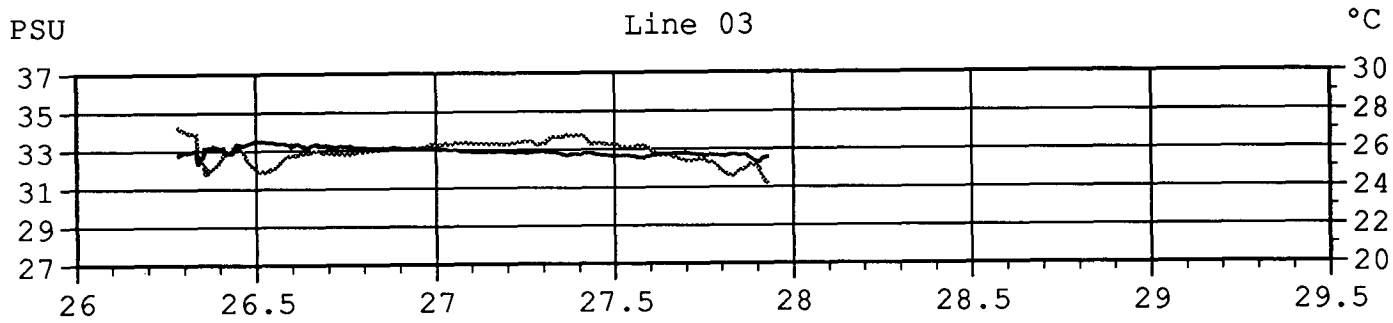


Gulfcet Cruise 05 - Lines 11 and 12



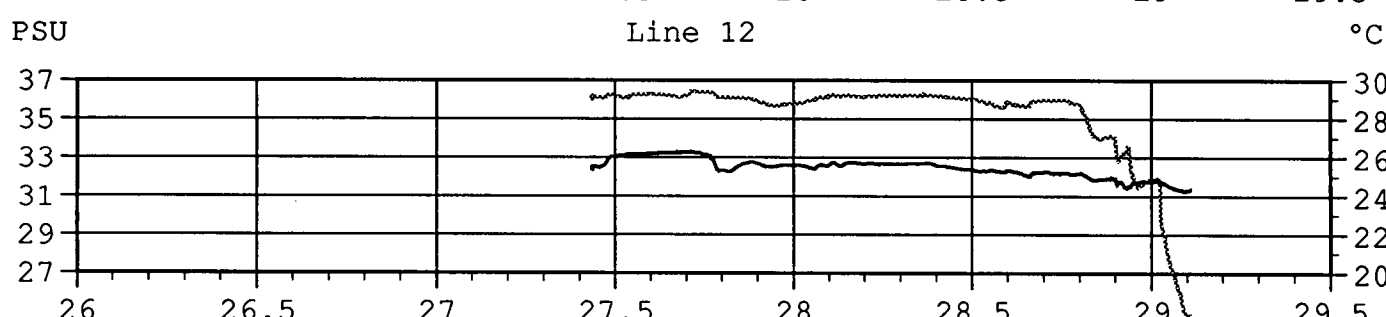
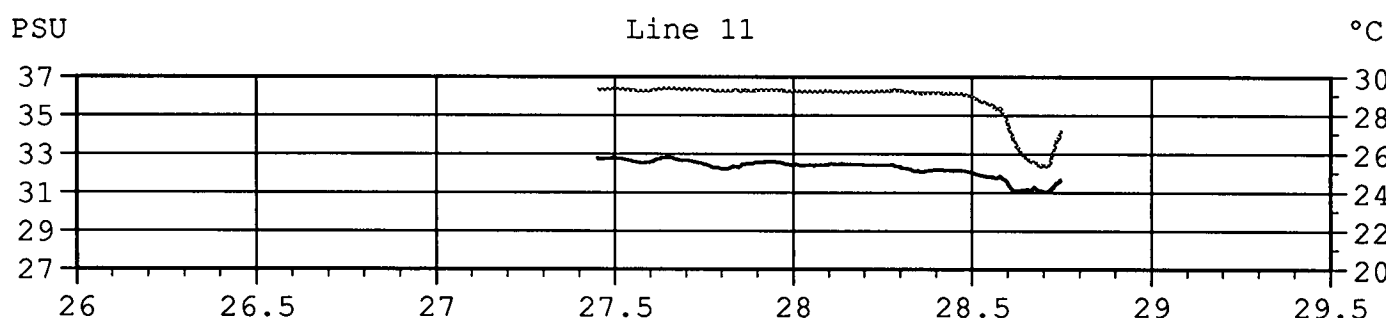
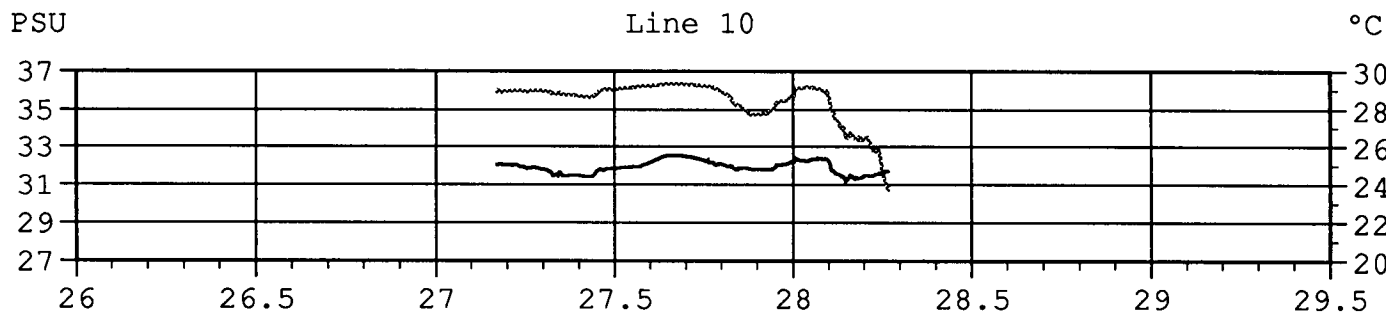
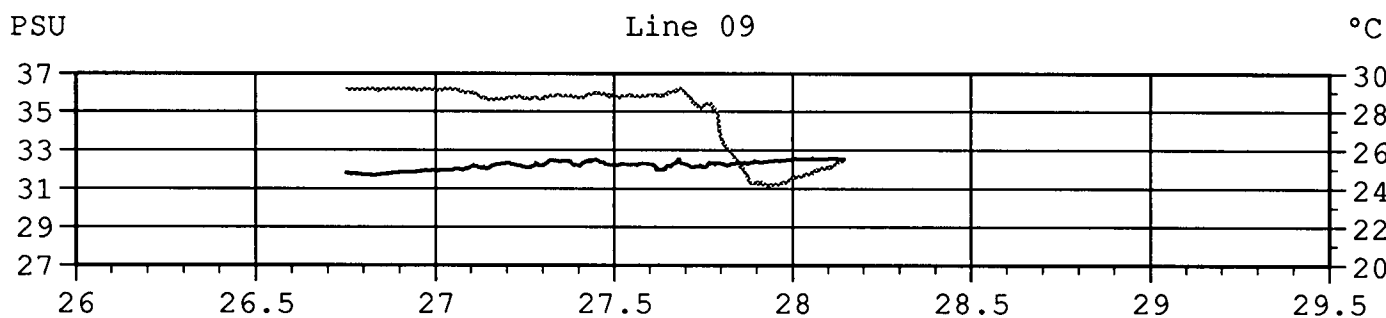
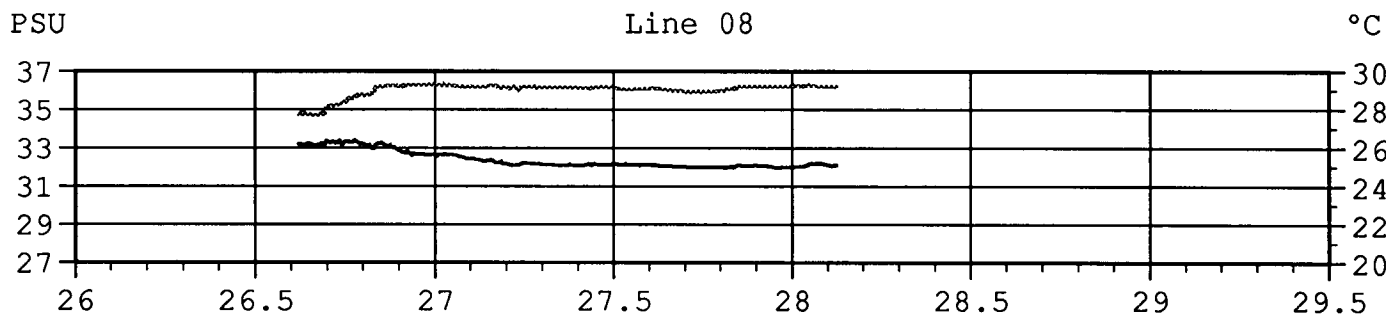
Gulfcet Cruise 05 - Lines 13 and 14

**CONTINUOUSLY RECORDING DATA:**  
**- PLOTS OF TEMPERATURE AND SALINITY**

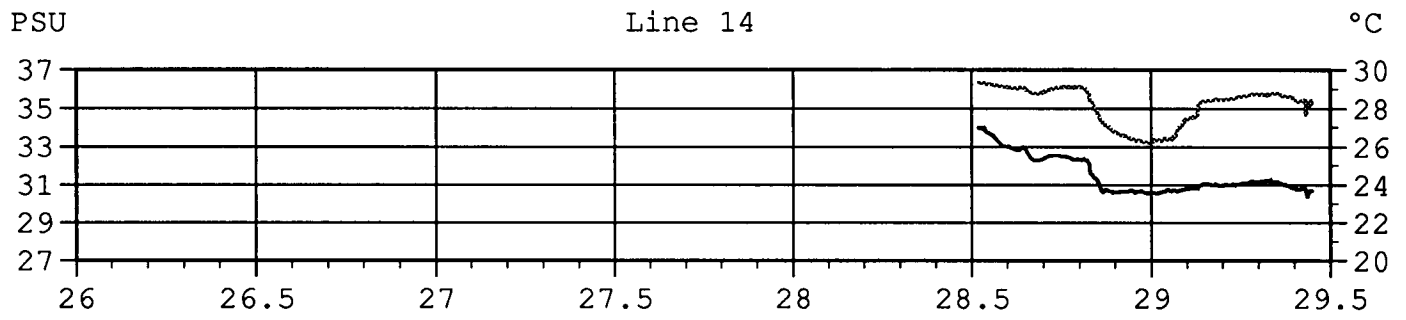
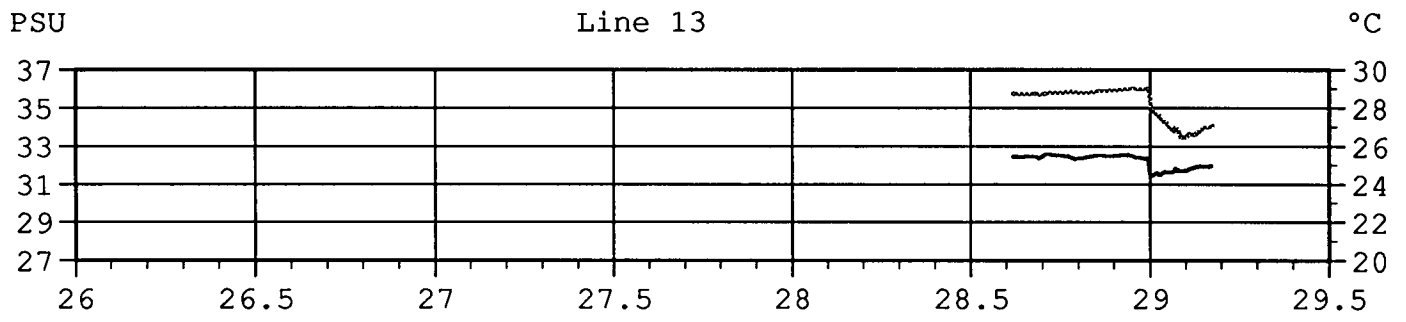


----- Salinity

———— Temperature







Salinity

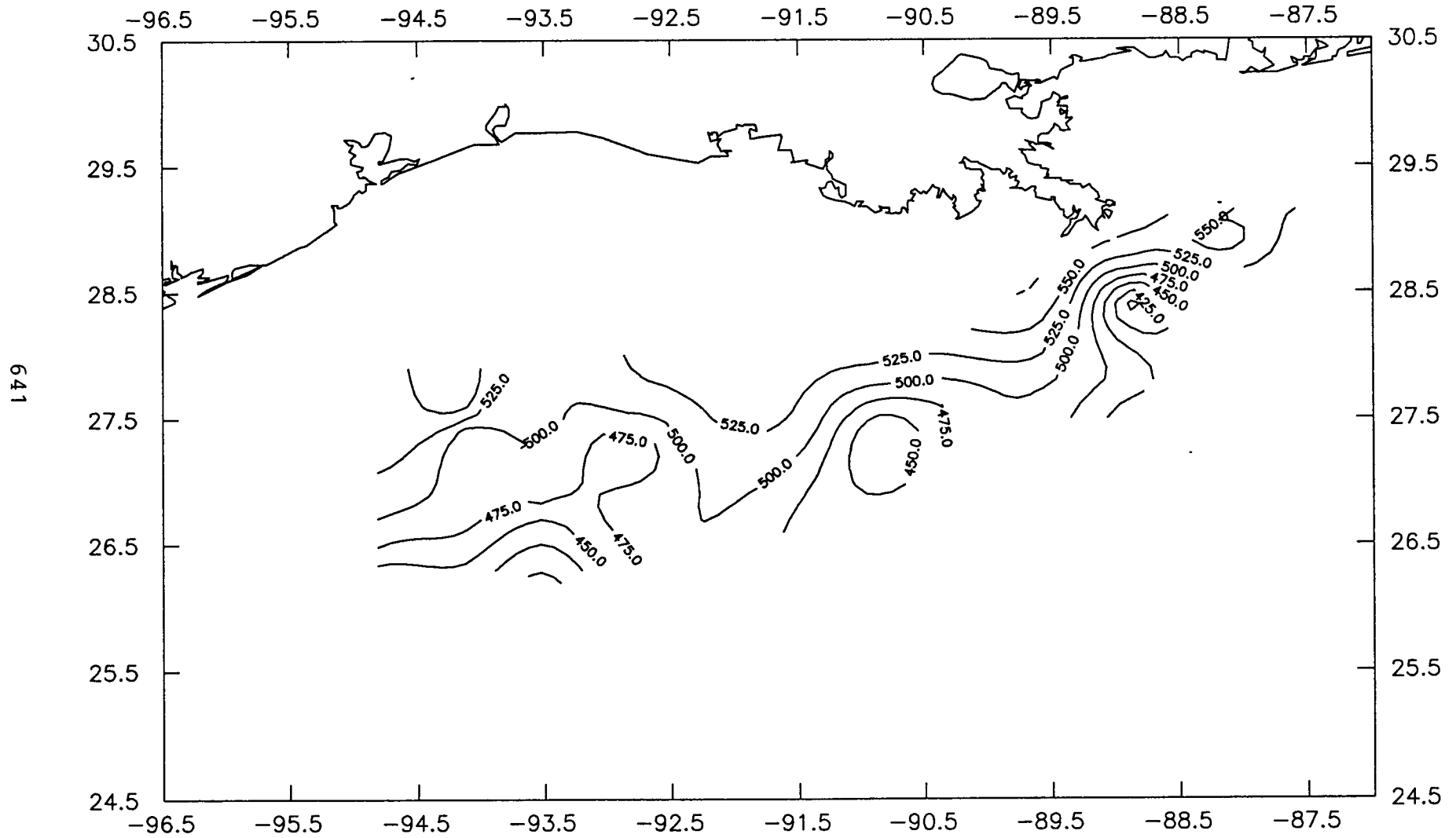
Temperature

**TEMPERATURE DATA:**

- 8°, 15°, AND 20° C ISOTHERM MAPS
- TEMPERATURE PROFILES BY TRACK LINE

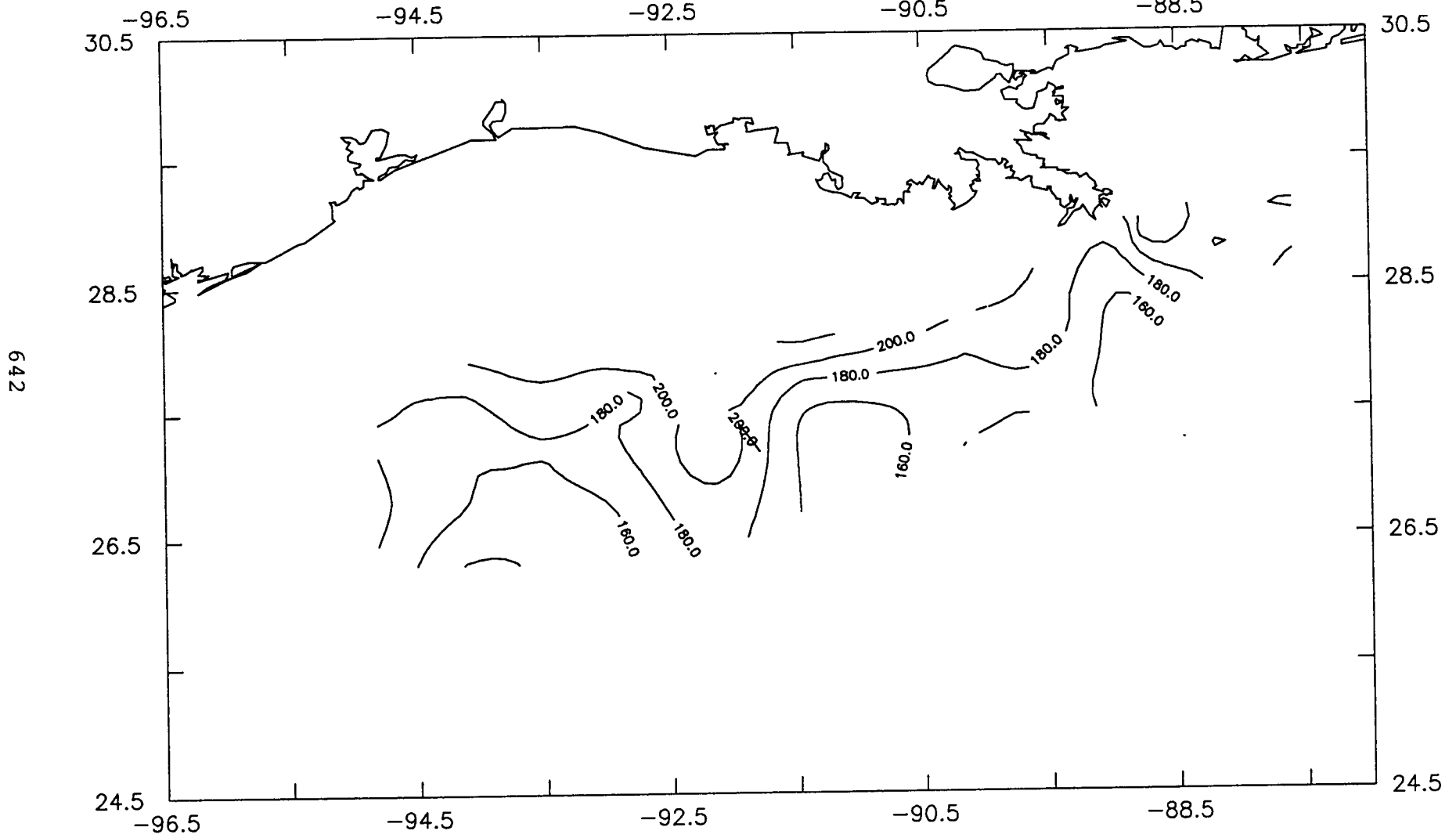
# Depth of 8 °C Isotherm (m)

GulfCet 05



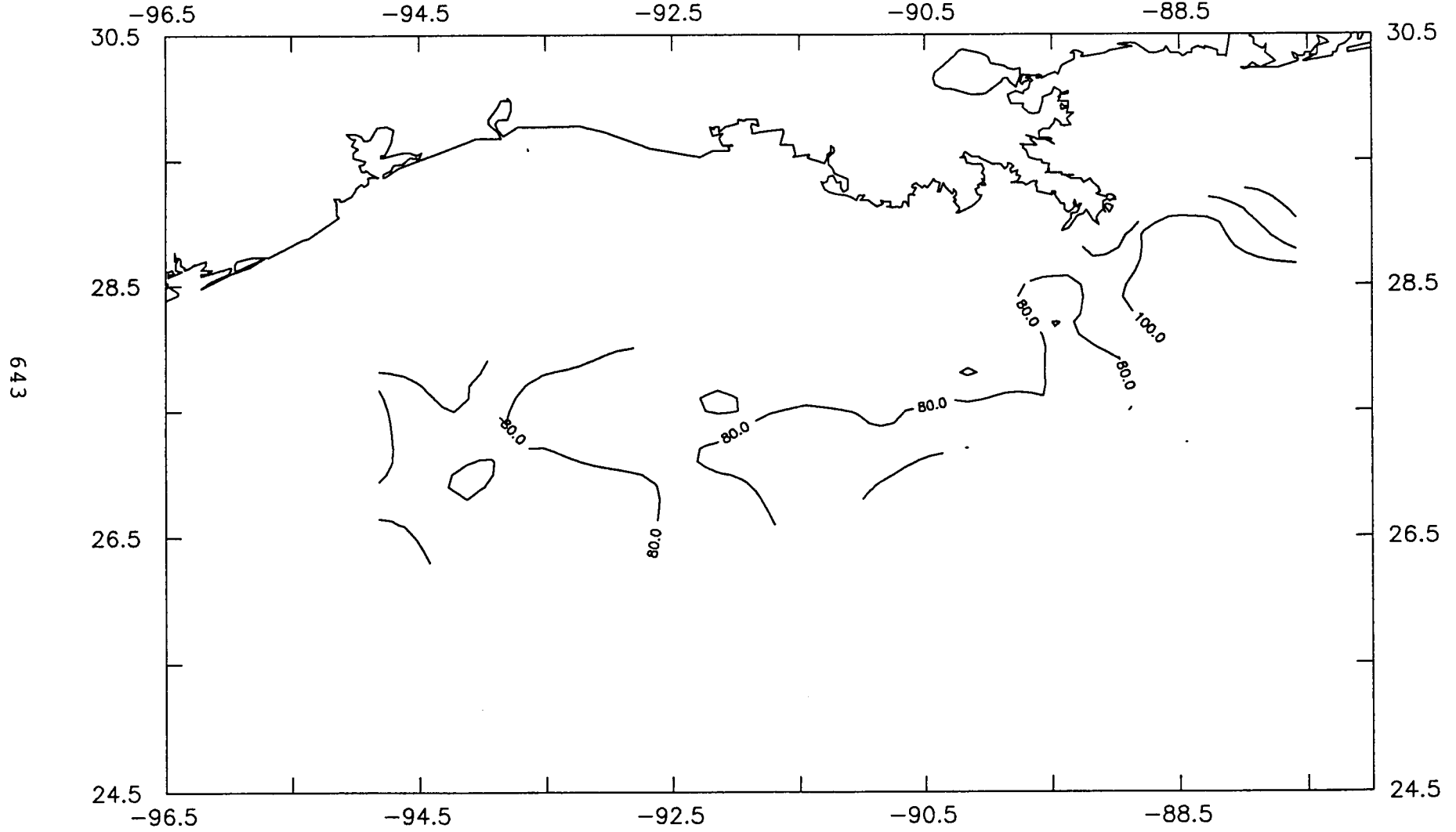
# Depth of 15 °C Isotherm (m)

GulfCet 05



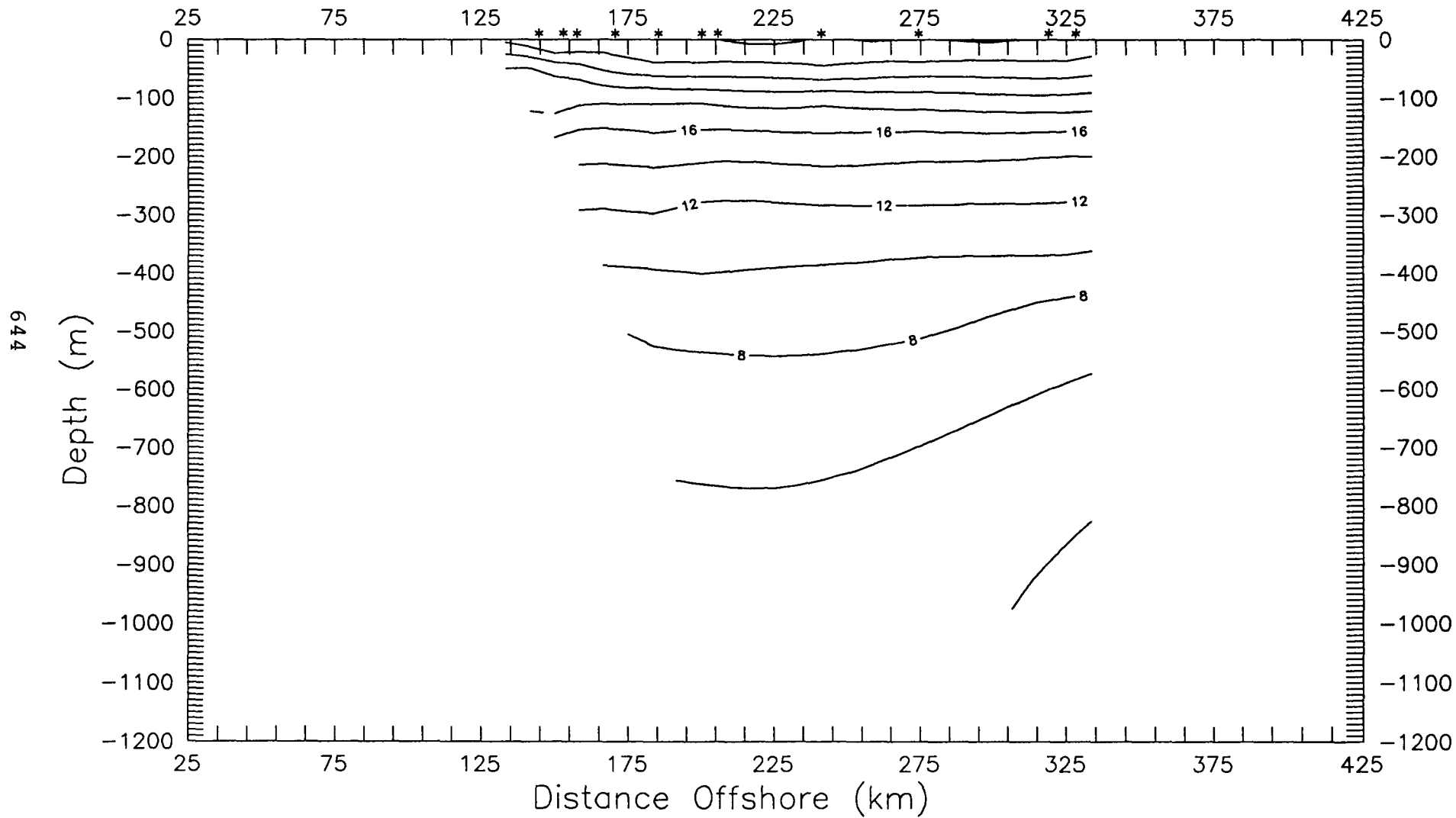
# Depth of 20 °C Isotherm (m)

GulfCet 05



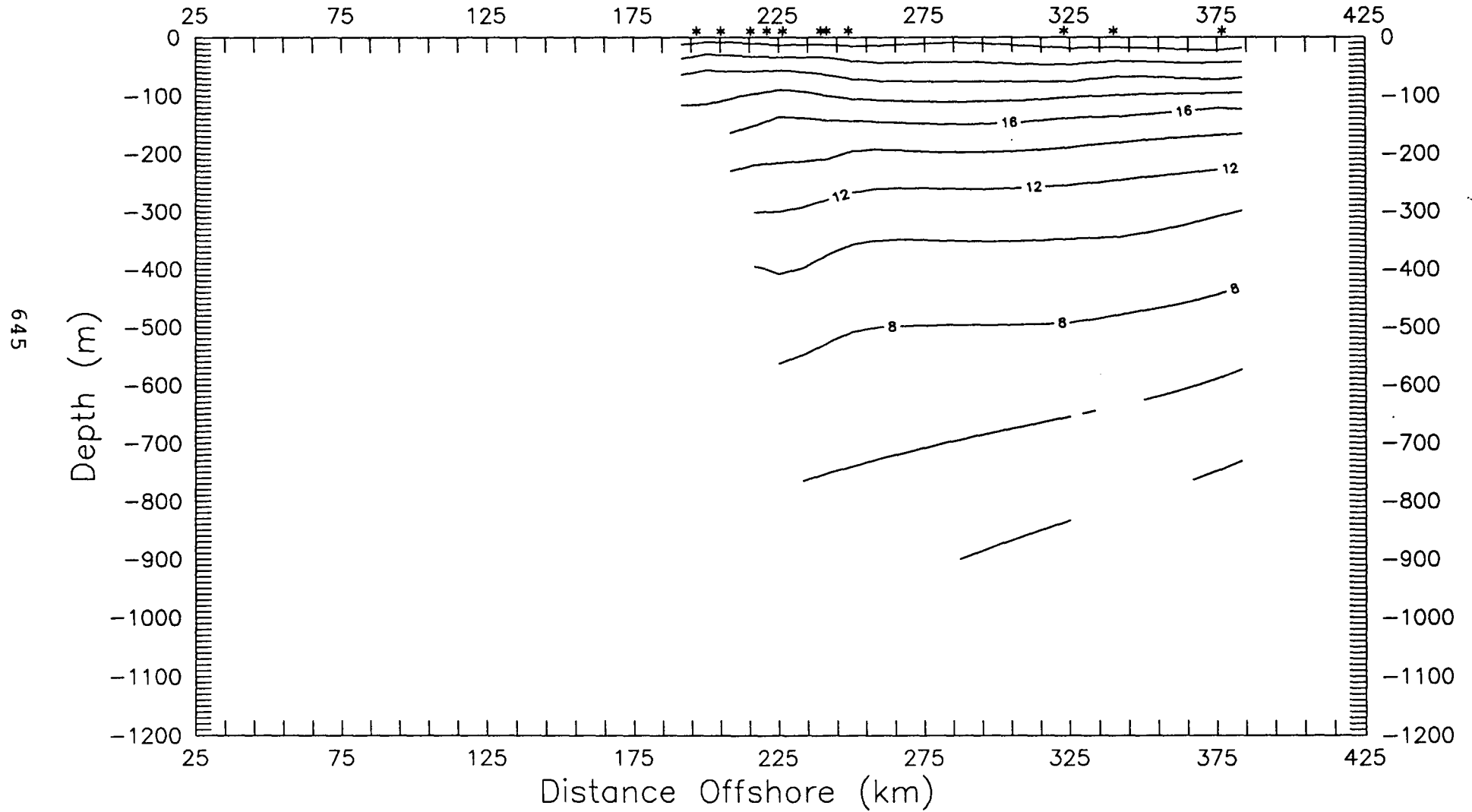
# Temperature ( °C)

GulfCet 05: Line 03



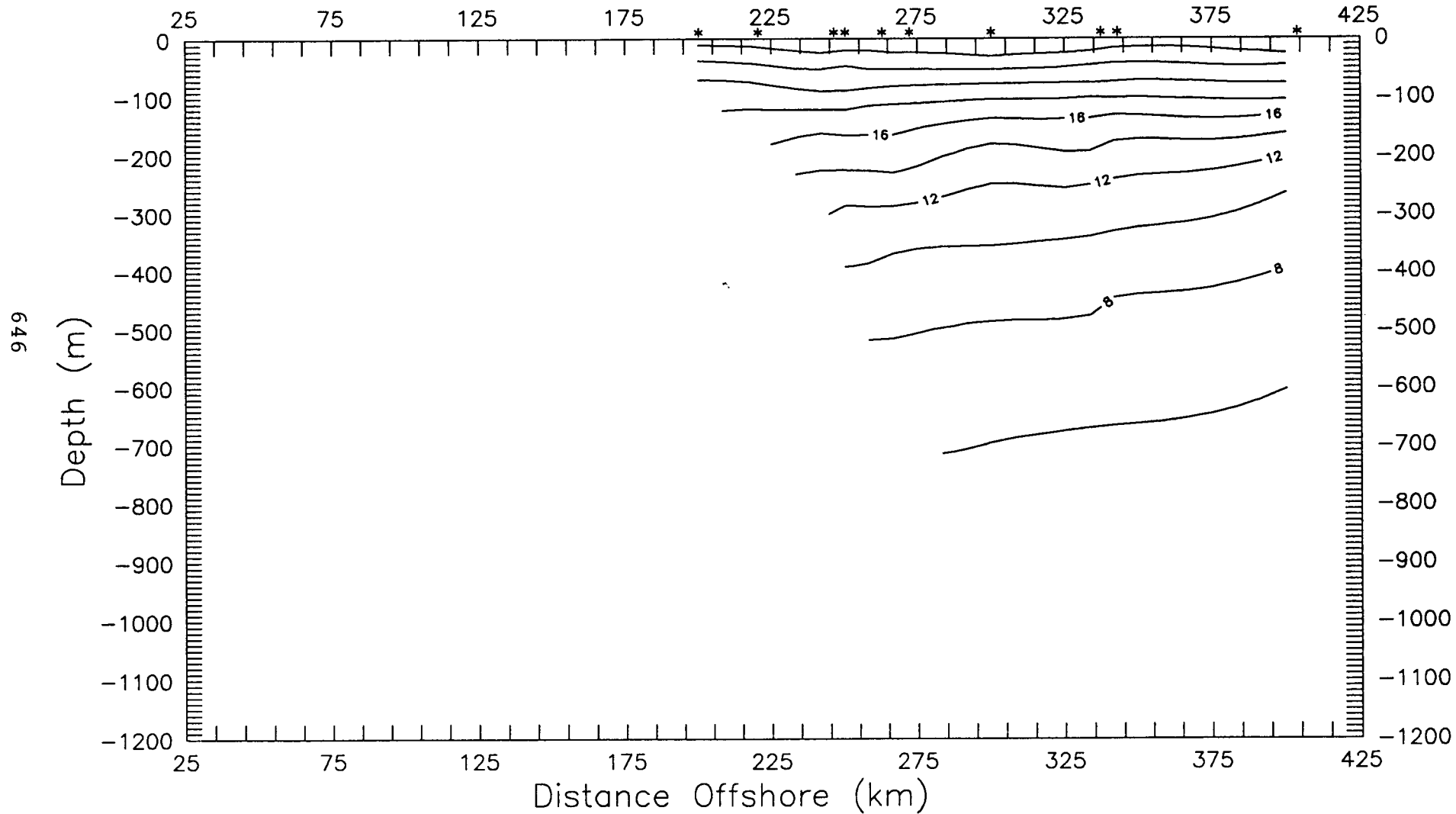
# Temperature ( °C)

GulfCet 05: Line 04



# Temperature ( °C)

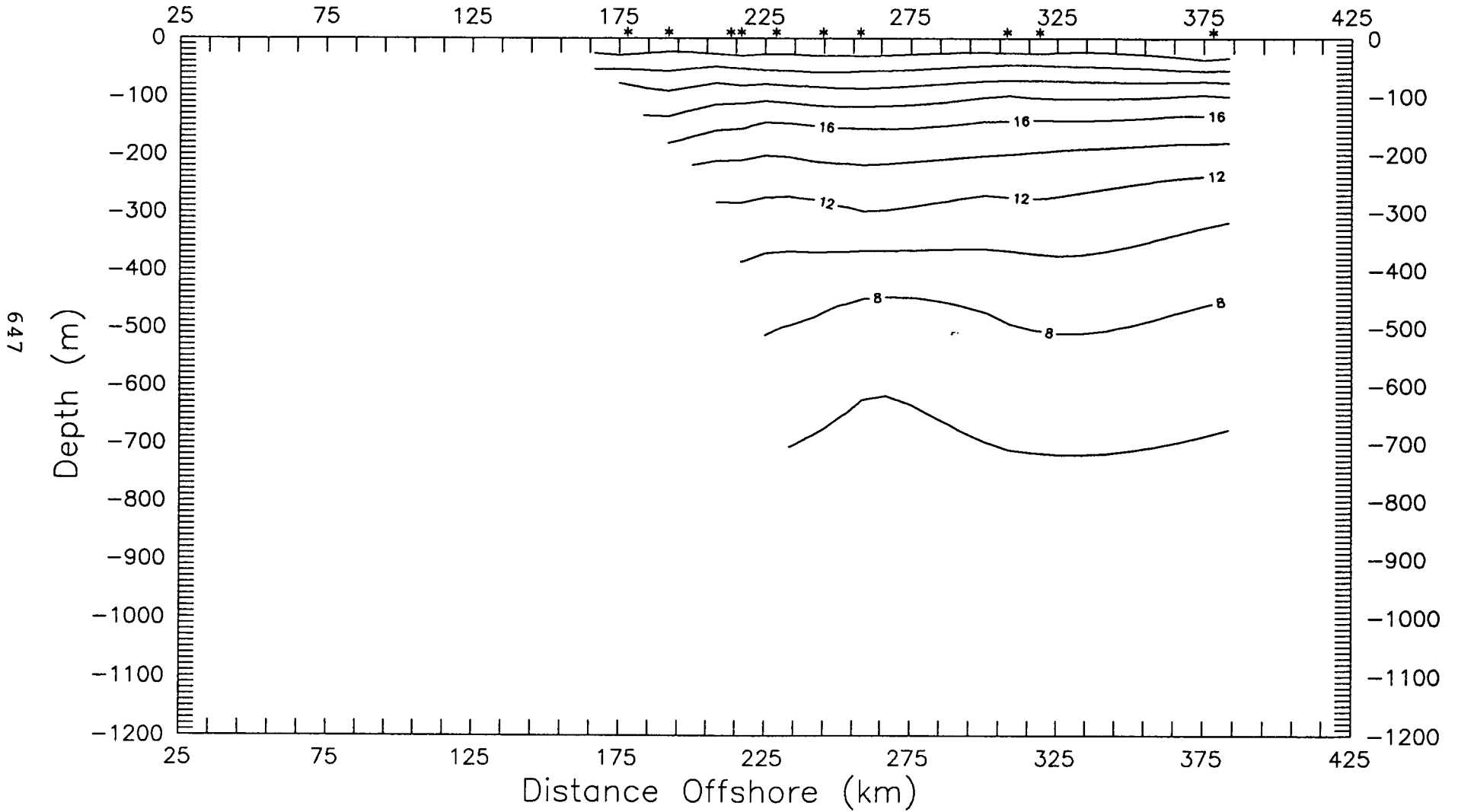
GulfCet 05: Line 05





# Temperature ( °C)

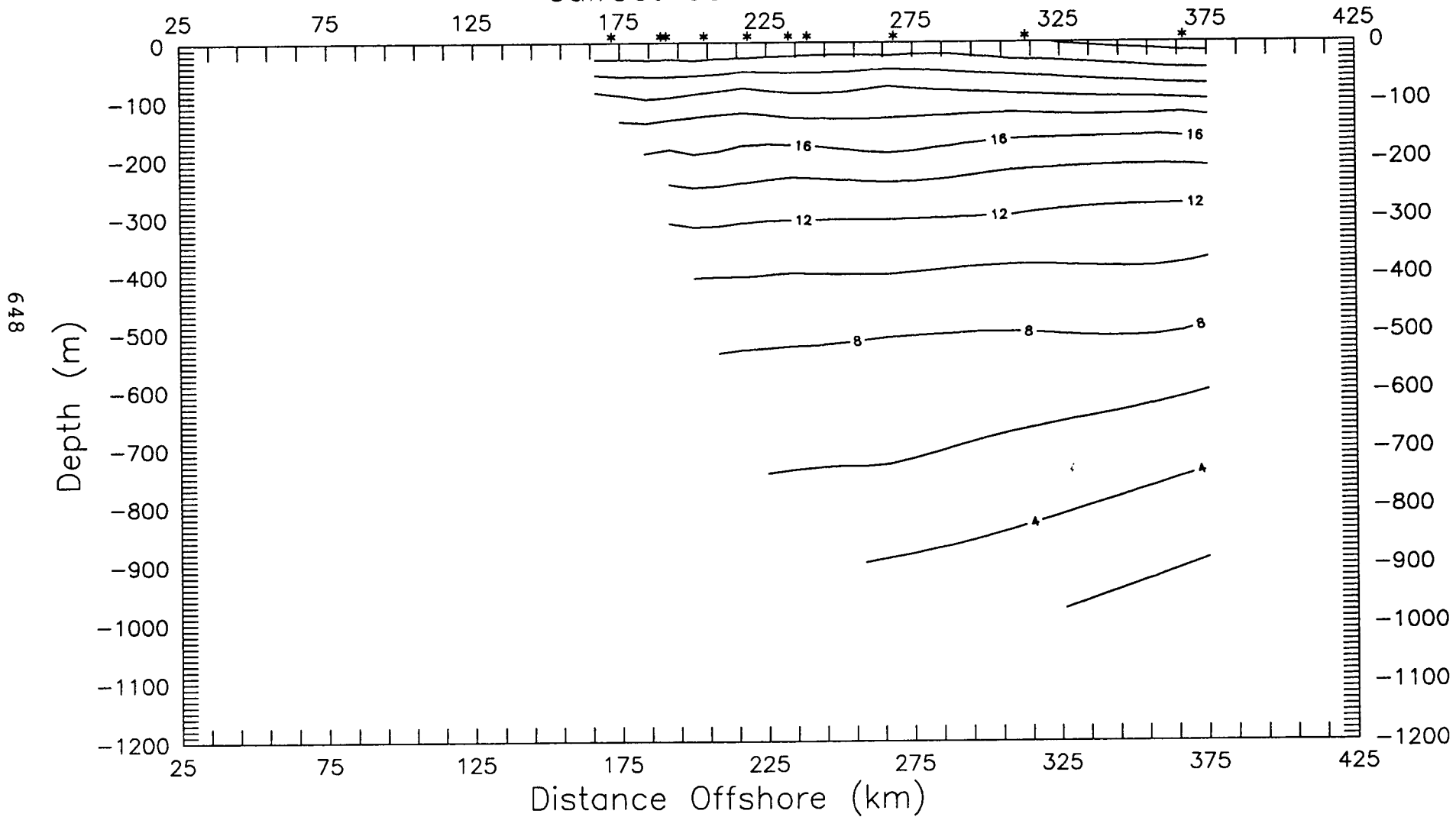
GulfCet 05: Line 06



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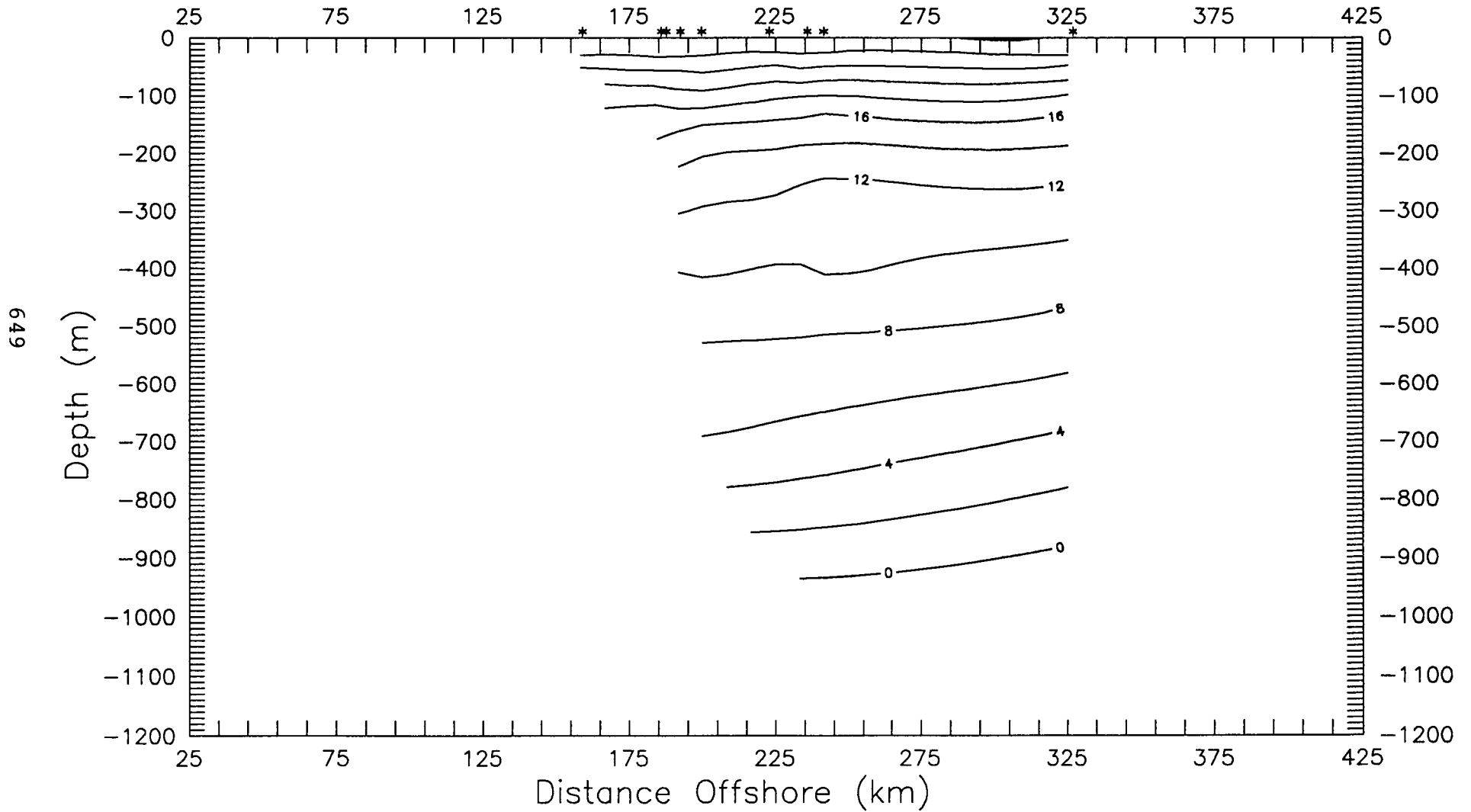
# Temperature ( °C)

GulfCet 05: Line 07



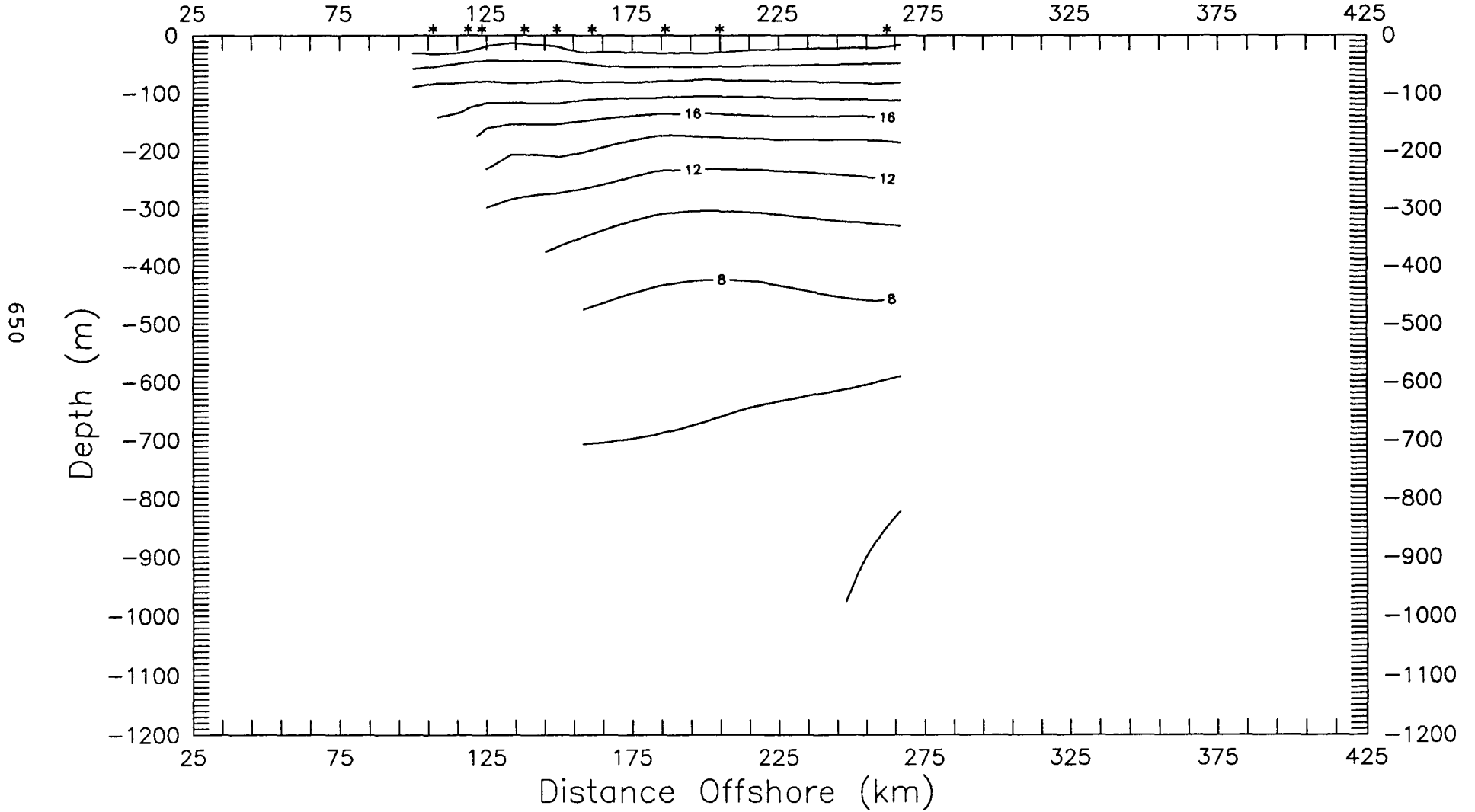
# Temperature ( °C)

GulfCet 05: Line 08



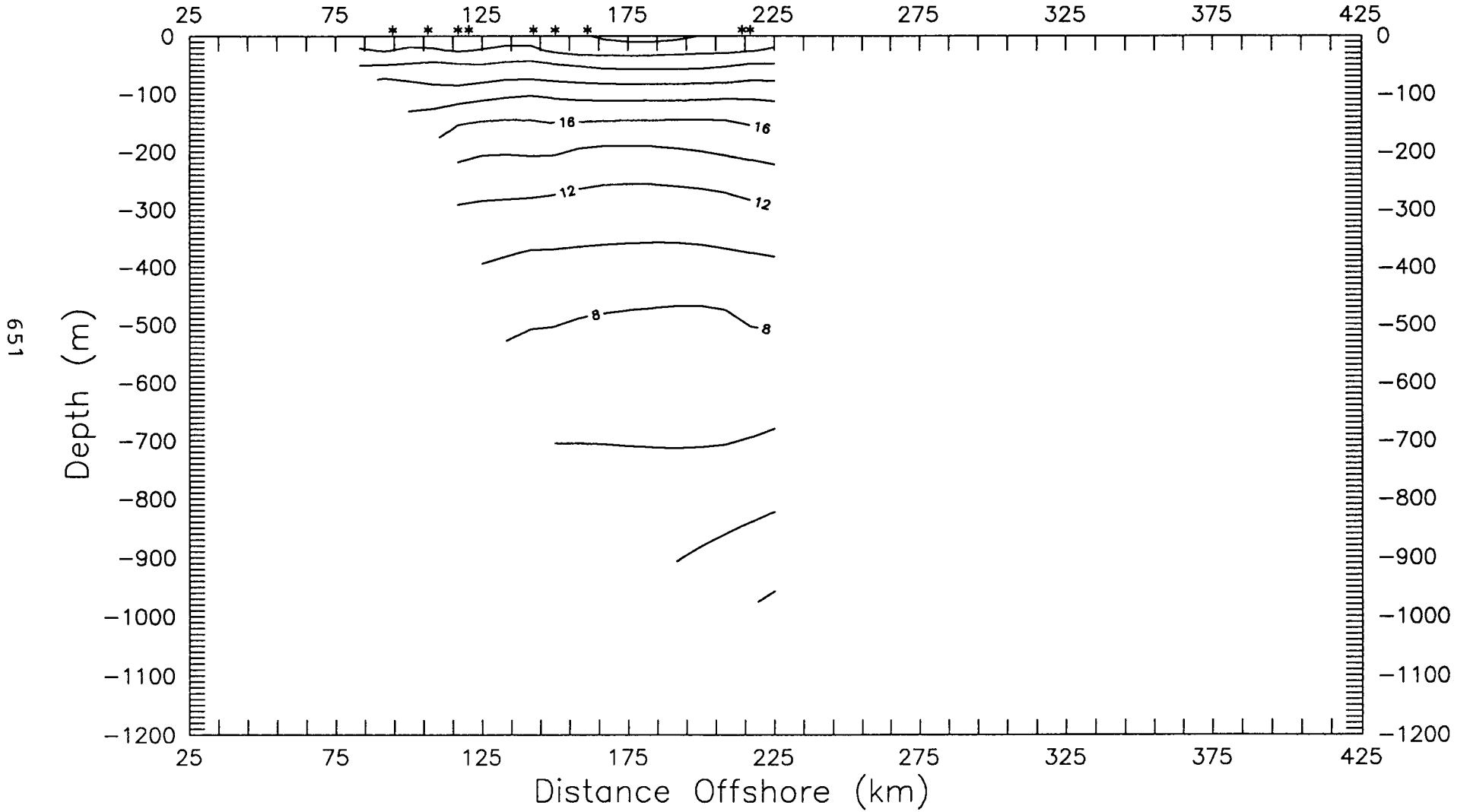
# Temperature ( °C)

GulfCet 05: Line 09



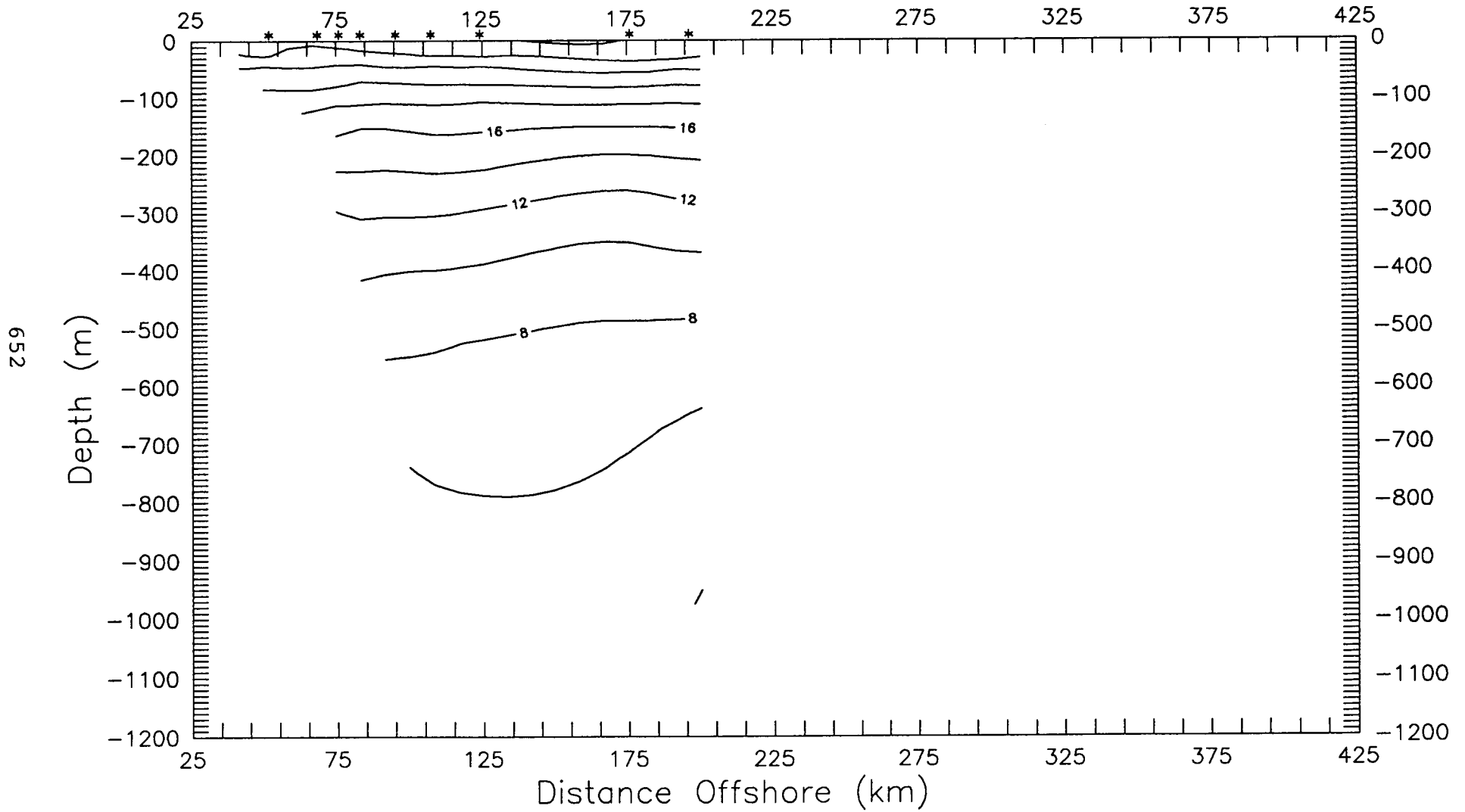
# Temperature ( °C)

GulfCet 05: Line 10



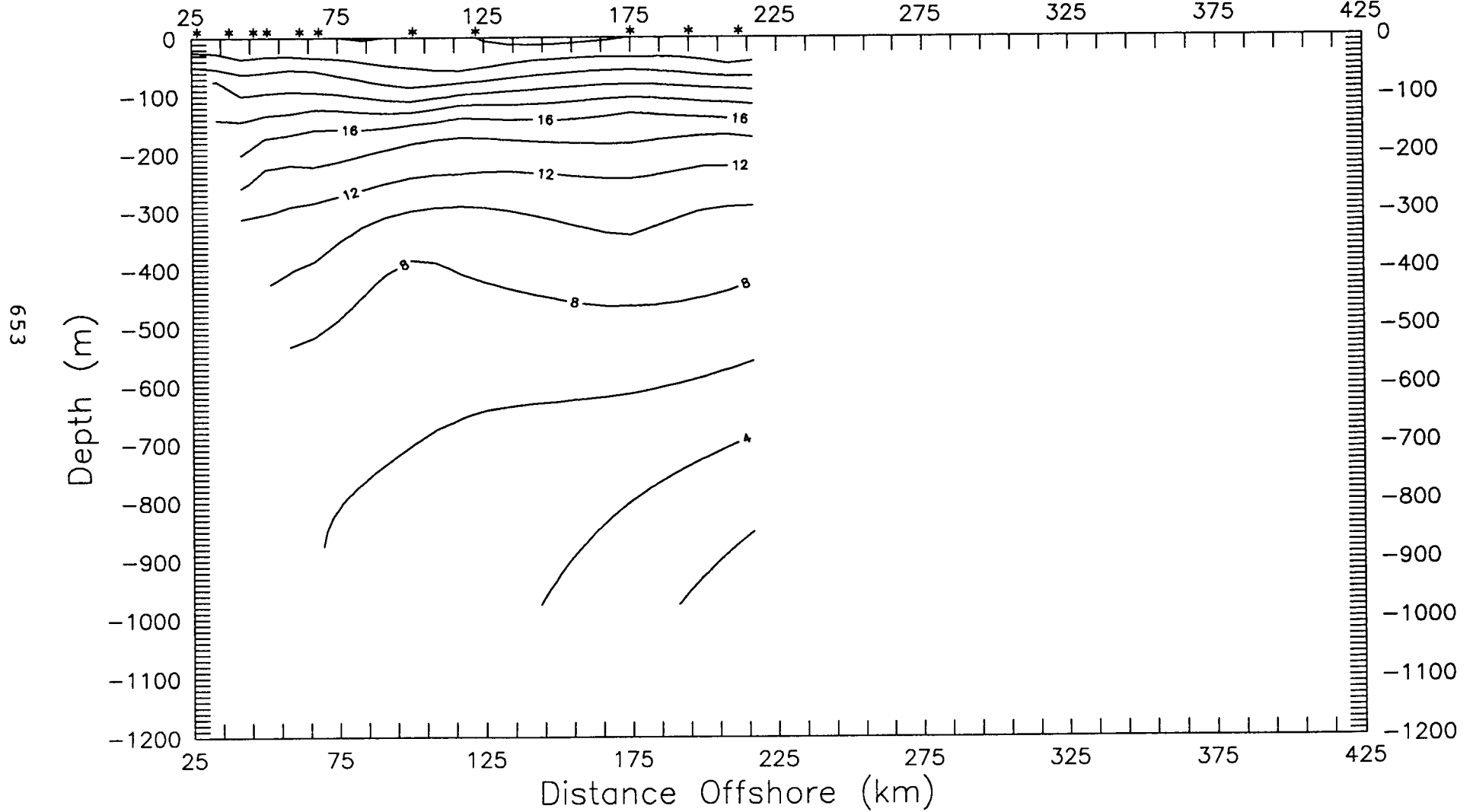
# Temperature ( °C)

GulfCet 05: Line 11



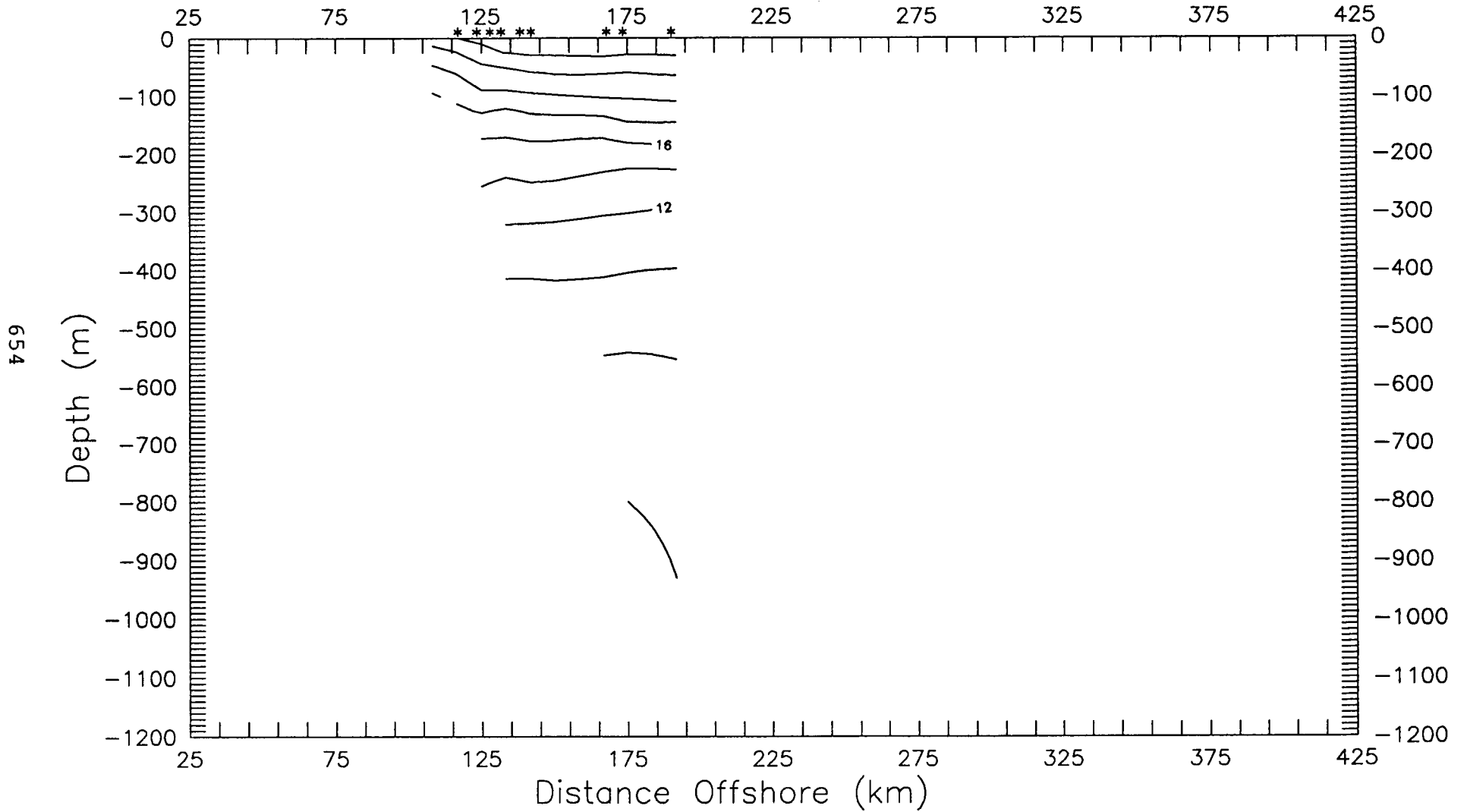
# Temperature ( °C)

GulfCet 05: Line 12



# Temperature ( °C)

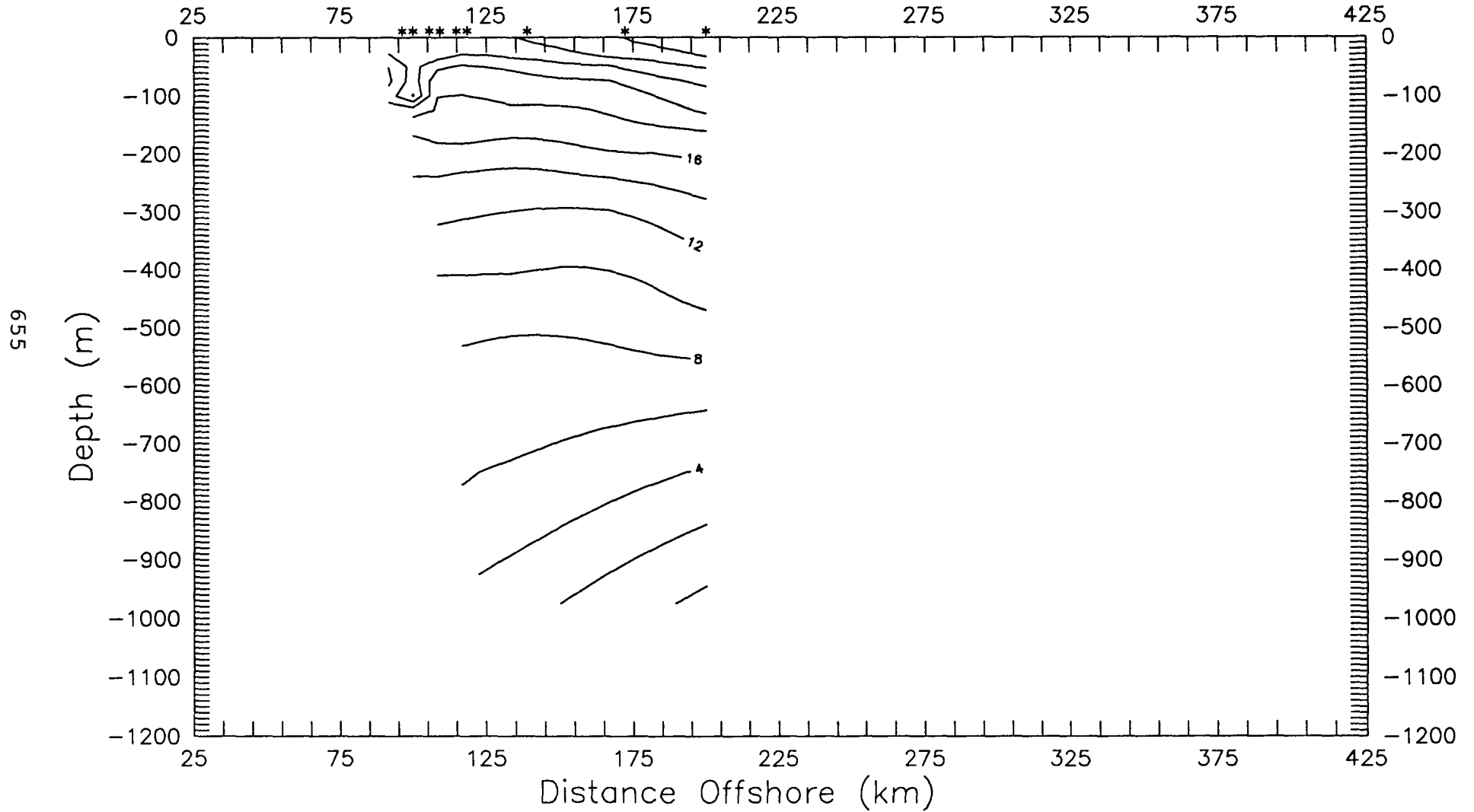
GulfCet 05: Line 13





# Temperature ( °C)

GulfCet 05: Line 14



**SALINITY DATA:**

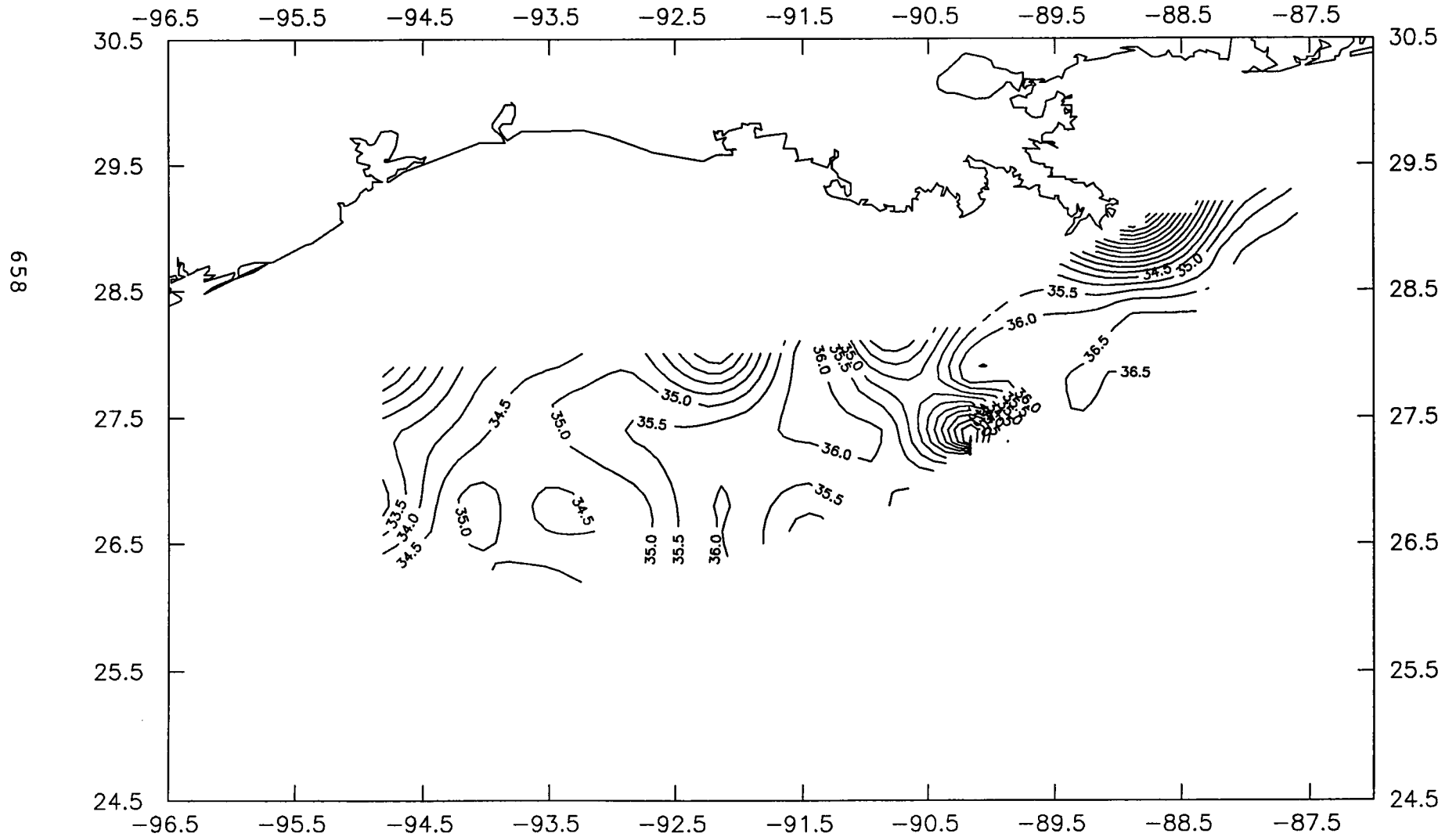
- DATA SUMMARY TABLE
- CTD SURFACE SALINITY MAP
- NISKIN SURFACE SALINITY MAP

## Cruise 05 Salinity Data

Station	Depth (m)	Bottle Salinity	CTD Salinity	Difference Bottle-CTD	Station	Depth (m)	Bottle Salinity	CTD Salinity	Difference Bottle-CTD
03-021	0.0	31.0349	31.0600	-0.025	08-086	1.9	36.2083	36.1901	0.0182
03-021	36.8	35.6752	35.7086	-0.033	08-086	40.8	36.3473	36.3590	-0.0117
03-026	0.0	33.3498	33.2600	0.090	09-087	0.0	32.8211	32.6000	0.2211
03-026	60.9	36.1188	36.1311	-0.012	09-087	90.1	35.8563	36.3297	-0.4734
03-029	2.0	32.8726	32.7915	0.081	09-093	0.0	35.9581	35.9300	0.0281
03-029	56.6	36.1650	36.1818	-0.017	09-093	78.1	36.4571	36.4741	-0.0170
03-030	1.2	34.3088	34.4170	-0.108	09-096	75.6	36.2515	36.2664	-0.0149
03-030	80.6	36.1573	36.1556	0.002	10-097	2.2	35.9817	35.7834	0.1983
04-031	1.6	34.8649	34.8164	0.049	10-097	68.3	36.3790	36.3980	-0.0190
04-031	68.6	36.1779	36.1967	-0.019	10-100	55.7	36.1584	36.1387	0.0197
04-033	1.3	35.2753	35.2900	-0.015	10-100	1.5	36.2299	36.2417	-0.0118
04-033	68.2	36.1852	36.2078	-0.023	10-105	2.156	25.5517	31.0694	-5.5177
04-042	1.2	33.6168	33.5700	0.047	10-105	83.164	36.3139	36.3259	-0.0120
04-042	59.6	36.0120	35.9890	0.023	11-106	1.68	34.2574	34.3676	-0.1102
05-043	2.9	34.4245	34.3677	0.057	11-106	43.4	36.3859	36.3815	0.0044
05-043	69.2	36.0559	36.0391	0.017	11-112	64	36.3086	36.5687	-0.2601
05-047	1.4	35.1665	34.8851	0.281	11-112	1.92	36.2746	36.2103	0.0644
05-047	75.8	36.2453	36.2573	-0.012	11-115	75.7	36.4850	36.3517	0.1333
05-050	1.9	34.2992	34.2733	0.026	11-115	2.047	36.3320	36.3390	-0.0070
05-050	79.2	36.2795	36.3129	-0.033	12-116	66.33	36.4526	36.4205	0.0321
05-053	1.3	35.2885	35.2804	0.008	12-116	1.222	36.0552	36.0787	-0.0235
05-053	69.9	36.2652	36.2348	0.030	12-119	501.89	34.9300	34.9014	0.0285
06-054	1.3	34.5756	34.8200	-0.244	12-119	75.68	36.5234	36.5338	-0.0104
06-054	55.0	36.3314	36.1874	0.144	12-119	1.47	36.1540	36.1364	0.0176
06-055	0.8	34.7034	34.6934	0.010	12-125	88.23	36.3749	36.3878	-0.0129
06-055	60.3	36.1628	36.1515	0.011	12-125	44	36.2050	36.2230	-0.0179
06-059	1.0	35.5992	35.5555	0.044	12-125	1.5	26.6190	28.3770	-1.7579
06-059	69.7	36.3666	36.3676	-0.0010	13-126	1.3	34.8817	33.8107	1.0711
06-064	0.8	34.8567	34.6857	0.1710	13-126	16.111	34.9365	34.9636	-0.0271
06-064	81.2	36.1925	36.1959	-0.0034	13-126	88.55	36.1449	36.1467	-0.0017
07-065	1.8	32.5444	32.5798	-0.0354	13-133	0.738	36.0998		
07-065	73.8	36.4661	36.4442	0.0219	13-133	60.73	35.8786	36.0933	-0.2146
07-071	0.8	35.5911	35.6592	-0.0681	13-133	75.079	36.1518	36.1464	0.0054
07-071	71.6	36.4073	36.4187	-0.0114	13-134	1.902	35.8076	35.8217	-0.0141
07-073	2.0	36.0640	36.0554	0.0086	13-134	67.022	36.1208	36.2128	-0.0920
07-073	83.3	36.2736	36.2746	-0.0010	13-134	87.788	36.2388	36.2360	0.0028
07-075	2.2	36.0542	36.0527	0.0015	14-135	499	35.1730	35.1329	0.0401
07-075	85.4	36.2665	36.2920	-0.0255	14-135	98.06	36.1512	36.1621	-0.0108
08-076	2.8	34.7789	34.7719	0.0070	14-135	1.5	36.3375	35.8702	0.4673
08-076	61.3	36.4633	36.4735	-0.0102	14-136	500.1	35.0367	35.0114	0.0253
08-080	46.9	36.1147	36.6496	-0.5349	14-136	80.52	36.0041	36.0151	-0.0110
08-080	2.2	36.6259	36.1096	0.5163	14-136	2.75	36.1299	36.0994	0.0305

# CTD Surface Salinity (PSU)

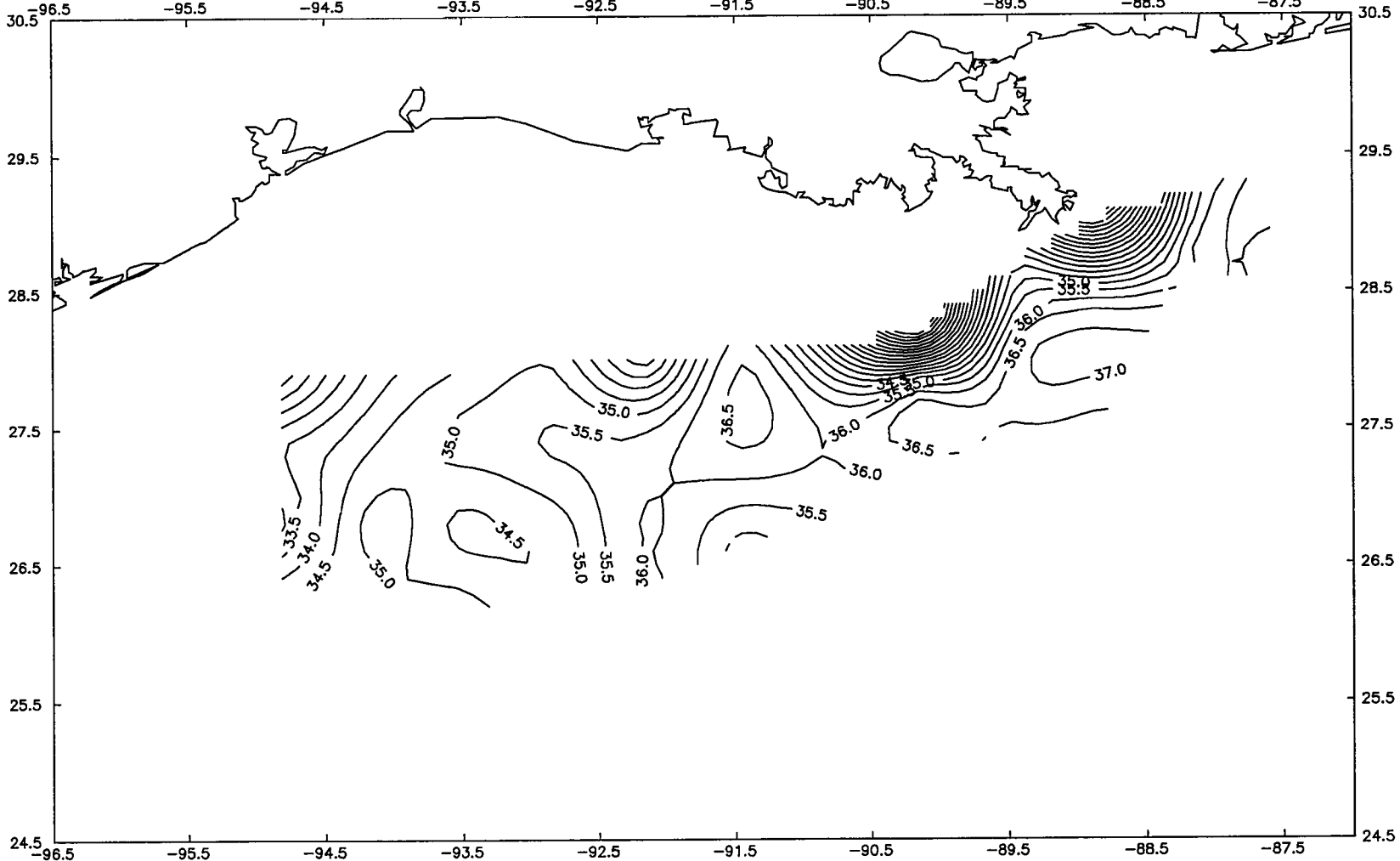
GulfCet 05



# Niskin Bottle Surface Salinity (PSU)

GulfCet\_05

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**STATION POSITIONS**

Table 1. Cruise 05 XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
03-Ex3	6/02/93	1309	26°21.87	94°52.70	T-7	09-088	5/28/93	2116	28°02.43	90°49.99	T-10
03-022	6/02/93	0350	27°51.5	94°49.93	T-10	09-089	5/28/93	2056	28°00.03	90°50.05	T-7
03-023	6/02/93	0328	27°49.00	94°50.01	T-7	09-090	5/28/93	1947	27°52.01	90°50.06	T-7
03-024	6/02/93	0129	27°42.00	94°50.00	T-7	09-091	5/28/93	1856	27°45.96	90°50.03	T-7
03-025	6/02/93	0124	27°34.00	94°50.03	T-7	09-092	5/28/93	1801	27°39.48	90°50.03	T-20
03-027	6/02/93	2328	27°23.23	94°50.00	T-20	09-094	5/28/93	1348	27°16.00	90°50.00	T-20
03-028*	6/02/93	2040	27°35.00	94°50.00	T-20	10-098	5/28/93	0332	27°11.50	90°09.85	T-20
04-Ex2	6/01/93	1805	27°31.00	94°13.00	T-7	10-099	5/27/93	2341	27°40.35	90°09.92	T-20
04-032	6/02/93	0416	26°37.00	94°10.06	T-20	10-101	5/27/93	2151	27°49.98	90°09.88	T-7
04-037*	6/01/93	1845	27°30.67	94°09.99	T-20	10-102	5/27/93	2016	28°01.57	90°10.03	T-7
04-038	6/01/93	1623	27°38.07	94°09.99	T-7	10-103	5/27/93	1957	28°03.94	90°10.09	T-7
04-039	6/01/93	1557	27°40.98	94°10.00	T-7	10-104	5/27/93	1903	28°09.38	90°09.77	T-10
04-040	6/01/93	1531	27°44.02	94°10.03	T-7	11-107	5/27/93	0844	28°35.96	89°29.95	T-10
04-041	6/01/93	1445	27°49.50	94°09.99	T-10	11-108	5/27/93	0810	28°32.00	89°30.05	T-7
05-044	6/01/93	0817	27°49.00	93°30.01	T-10	11-109	5/27/93	0738	28°27.79	89°30.28	T-7
05-045	6/01/93	0617	27°35.00	93°30.01	T-7	11-110	5/27/93	0648	28°21.51	89°30.44	T-7
05-046	6/01/93	0600	27°33.00	93°29.99	T-7	11-111	5/27/93	0555	28°14.98	89°30.01	T-20
05-048	6/01/93	0341	27°21.01	93°29.90	T-7	11-113	5/27/93	0018	27°37.91	89°30.23	T-20
05-049	6/01/93	0141	27°06.00	93°29.98	T-20	12-118	5/26/93	1645	28°14.51	88°50.08	T-20
05-051	5/31/93	2158	26°42.99	93°30.00	T-20	12-Ex1	5/26/93	1645	27°32.00	88°50.00	T-7
06-056	5/31/93	0613	26°52.00	92°49.96	T-20	12-120	5/26/93	1645	28°43.46	88°50.01	T-20
06-058	5/31/93	0233	27°19.04	92°50.00	T-20	12-121	5/26/93	1645	28°46.99	88°50.00	T-7
06-060	5/30/93	2355	27°34.50	92°50.00	T-7	12-122	5/26/93	1645	28°52.97	88°49.93	T-7
06-061	5/30/93	2259	27°41.00	92°50.00	T-7	12-123	5/26/93	1645	28°55.48	88°49.83	T-7
06-062	5/30/93	2245	24°42.82	92°50.00	T-7	12-124	5/26/93	1645	29°00.01	88°49.97	T-10
06-063	5/30/93	2100	27°54.50	92°50.00	T-10	13-127	5/25/93	2119	29°13.01	88°10.13	T-10
07-066	5/30/93	1421	27°53.00	92°10.00	T-10	13-128	5/25/93	2055	29°10.47	88°09.96	T-7
07-067	5/30/93	1413	27°51.99	92°10.00	T-7	13-129*	5/25/93	2037	29°08.51	88°10.01	T-7
07-068	5/30/93	1312	27°45.00	92°10.00	T-7	13-130	5/25/93	2003	29°04.95	88°10.00	T-7
07-069	5/30/93	1150	27°37.02	92°10.03	T-7	13-131	5/25/93	1911	29°02.95	88°09.96	T-20
07-070	5/30/93	1052	27°30.50	92°10.12	T-20	13-132	5/25/93	1711	29°49.00	88°10.00	T-20
07-072	5/30/93	0350	27°09.99	92°09.97	T-20	14-137	5/25/93	0319	29°03.88	87°29.84	T-20
08-079	5/29/93	0912	27°23.00	91°30.00	T-20	14-138	5/25/93	0147	29°15.02	87°29.99	T-20
08-081	5/29/93	0721	27°33.00	91°30.08	T-20	14-139	5/25/93	0130	29°16.96	87°30.04	T-7
08-082	5/29/93	0541	27°45.51	91°30.00	T-7	14-140	5/25/93	0107	29°20.00	87°30.00	T-7
08-083	5/29/93	0508	27°49.50	91°30.07	T-7	14-141*	5/25/93	0050	29°22.00	87°30.00	T-7
08-084	5/29/93	0447	27°52.00	91°29.99	T-7	14-142	5/25/93	0025	29°24.55	87°29.94	T-10
08-085	5/29/93	0438	27°52.99	91°29.89	T-10						

Note: \* "bad" probe

Table 2. Cruise 05 CTD Station Positions

Station	Date	Time	Latitude	Longitude	Station	Date	Time	Latitude	Longitude
03-021	6/03/93	0432	27°56.04	94°49.95	08-080	5/29/93	0819	27°25.97	91°30.06
03-026	6/02/93	2352	27°26.07	94°49.99	08-086	5/29/93	0215	28°07.52	91°30.03
03-029	6/02/93	1733	26°45.93	94°50.03	09-087	5/28/93	2221	28°09.09	90°50.09
03-030	6/02/93	1135	26°16.99	94°49.99	09-093	5/28/93	1520	27°26.00	90°50.05
04-031	6/02/93	0722	26°17.02	94°10.00	09-096	5/28/93	0909	26°44.66	90°50.13
04-033	6/02/93	0232	26°46.00	94°09.98	10-097	5/28/93	0355	27°09.87	90°10.03
04-036	6/01/93	2020	27°26.02	94°09.98	10-100	5/27/93	2230	27°45.70	90°10.40
04-042	6/01/93	1350	27°54.07	94°10.15	10-105	5/27/93	1747	28°16.04	90°10.09
05-043	6/01/93	1010	27°59.93	93°30.00	11-106	5/27/93	1010	28°45.07	89°30.12
05-047	6/01/93	0432	27°26.02	93°29.98	11-112	5/27/93	0421	28°06.29	89°29.98
05-050	5/31/93	2224	26°46.01	93°29.99	11-115	5/26/93	2216	27°26.97	89°30.03
05-053	5/31/93	1645	26°09.98	93°30.07	12-116	5/26/93	1748	27°26.09	88°49.94
06-054	5/31/93	1225	26°13.95	92°49.94	12-117	5/26/93	1412	27°49.97	88°50.03
06-055	5/31/93	0719	26°46.03	92°50.03	12-119	5/26/93	0749	28°26.03	88°49.99
06-059	5/31/93	0109	27°25.94	92°50.00	12-125	5/26/93	0153	29°06.49	88°50.04
06-064	5/30/93	1934	28°01.98	92°50.08	13-126	5/25/93	2159	29°16.56	88°10.08
07-065	5/30/93	1540	28°02.01	92°10.00	13-133	5/25/93	1624	28°46.16	88°09.97
07-071	5/30/93	0946	27°26.02	92°10.00	13-134	5/25/93	1430	28°37.00	88°10.23
07-073	5/30/93	0104	26°45.93	92°10.00	14-135	5/25/93	0857	28°30.98	87°29.88
07-075	5/29/93	2028	26°17.02	92°10.06	14-136	5/25/93	0558	28°45.77	87°30.00
08-076	5/29/93	1538	26°36.91	91°29.82	14-143	5/24/93	2339	29°27.00	87°30.15



## TEMPERATURE AND SALINITY

Figure 2. Sea surface temperature (°C) : XBT versus MIDAS

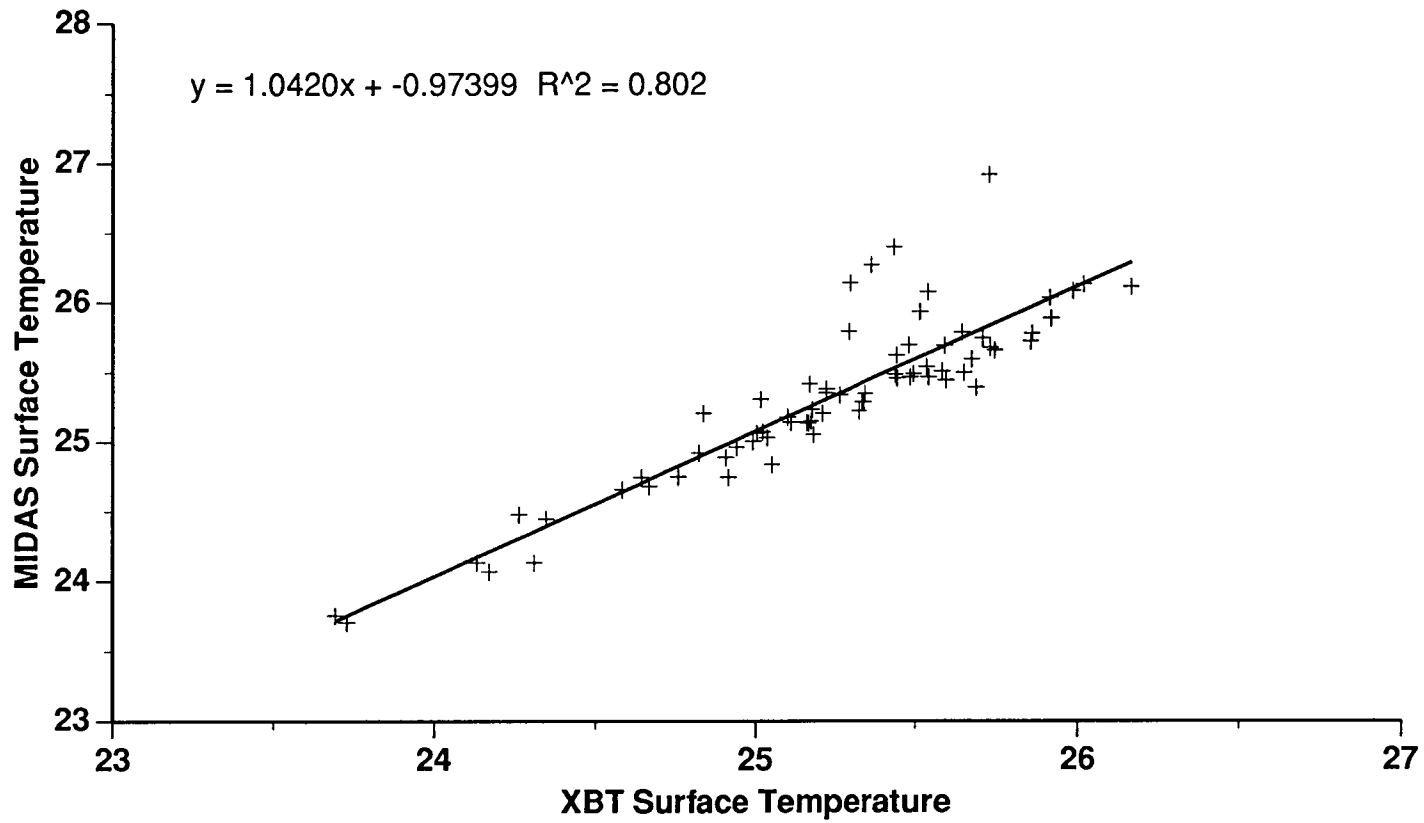


Figure 3. Sea surface temperature (°C) : CTD versus MIDAS

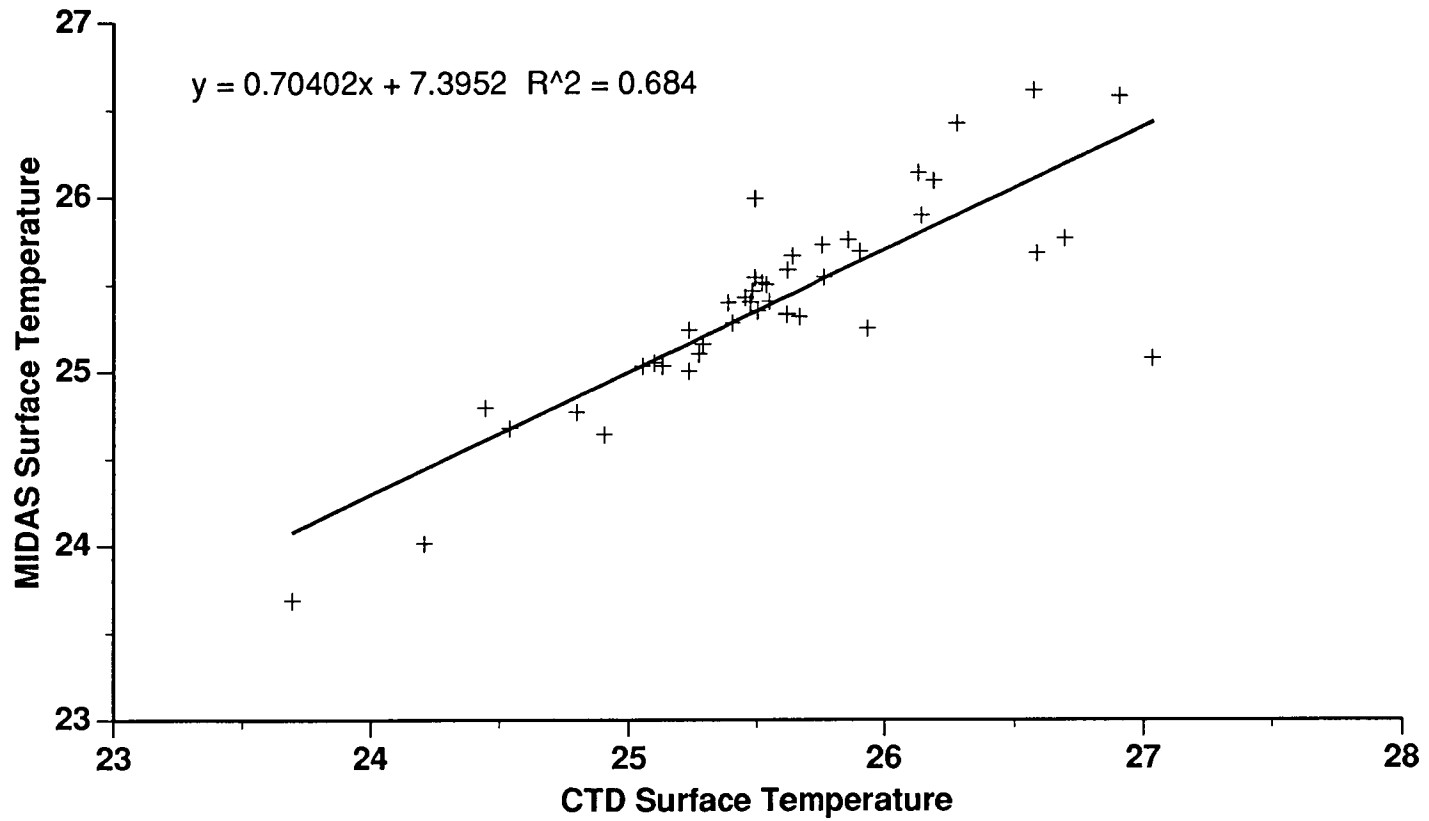


Figure 4. CTD station 05-050 temperature versus XBT station 05-051  
(2.91 miles separation between stations)

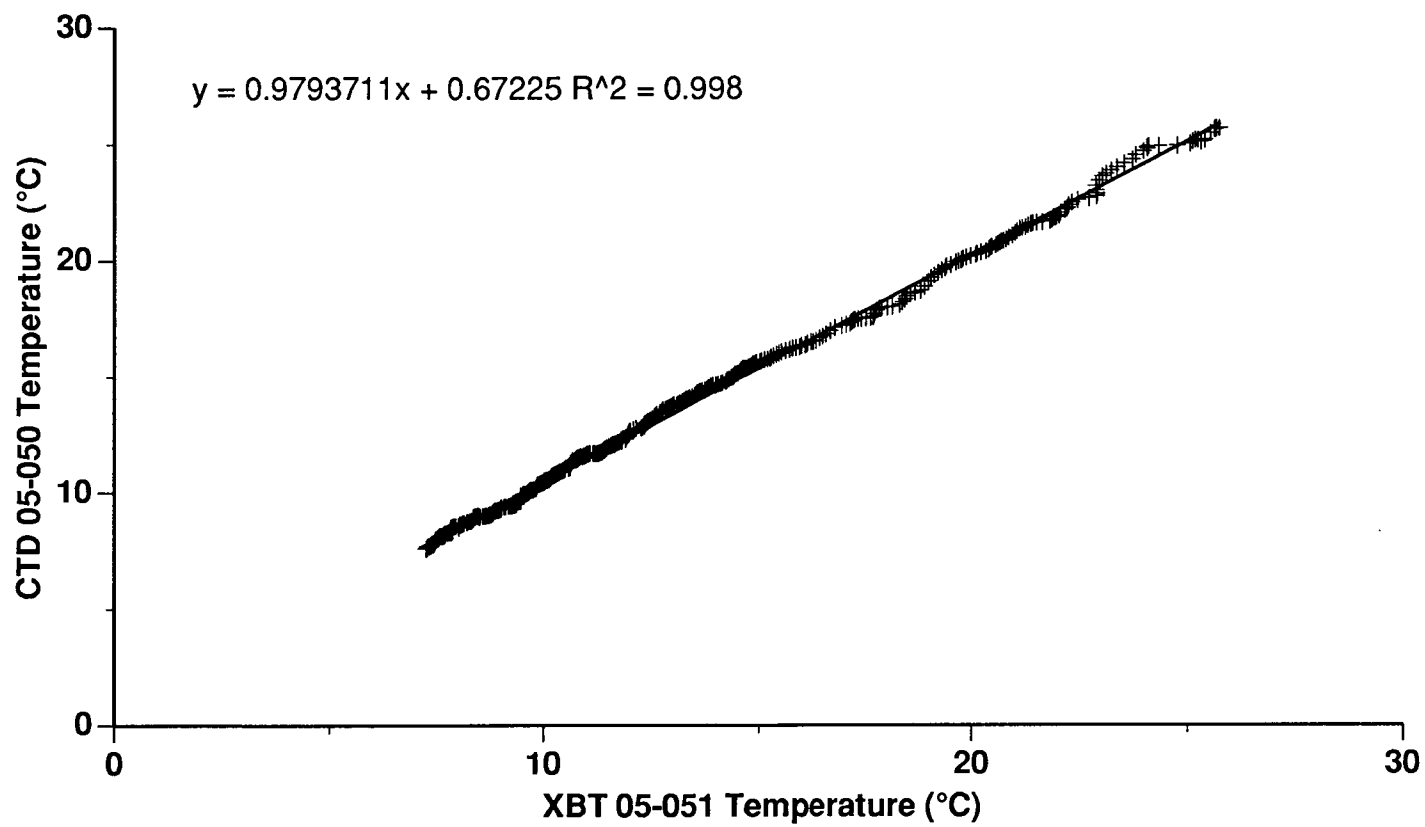


Figure 5. Bottle Salinity versus CTD Salinity

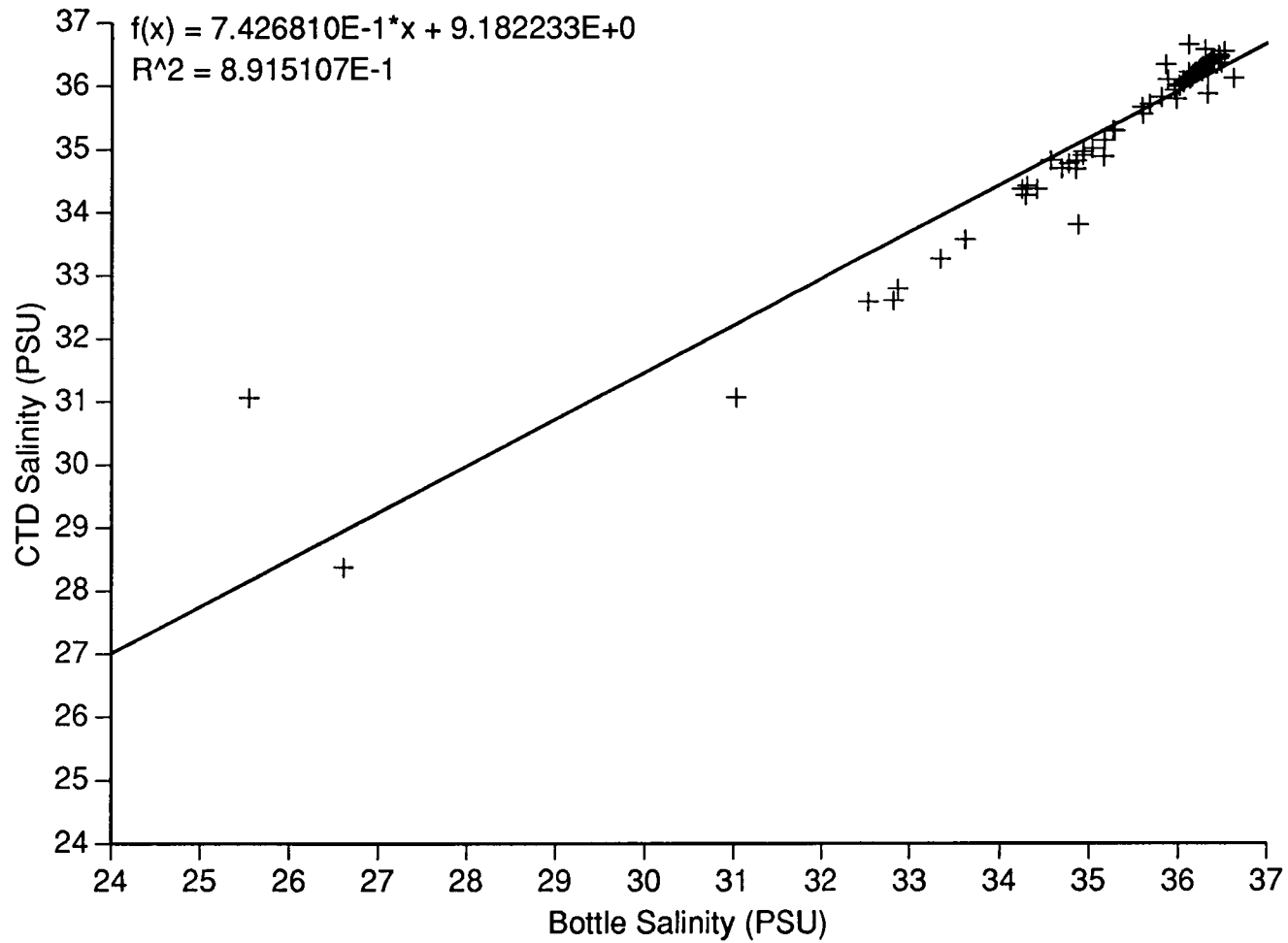
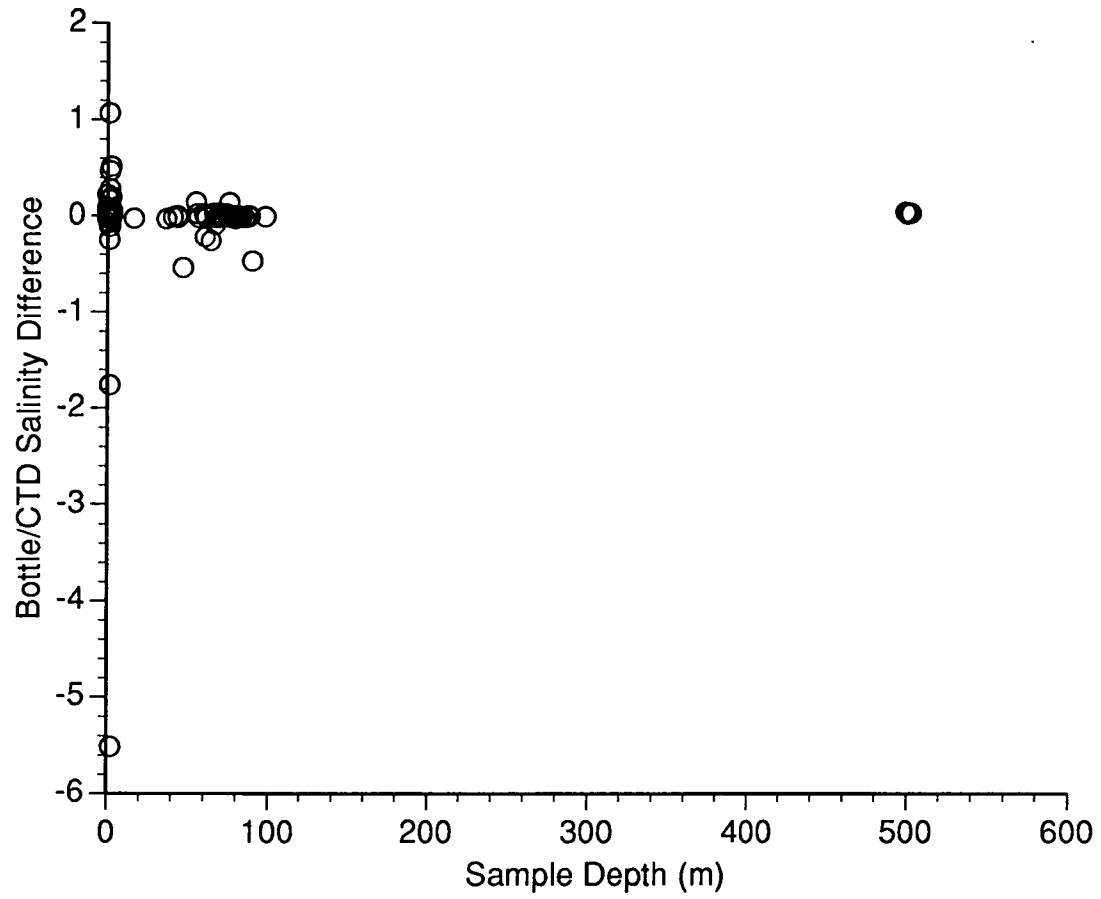


Figure 6. Sample Depth versus Bottle/CTD Salinity Difference



### 3.1.6 Cruise 6

## PERSONNEL

### *GulfCet Cruise 06 Personnel:*

#### Ship's Captain:

Chris Riffe, R/V *Pelican*

#### Chief Scientist:

Bernd Würsig

TAMUG, Professor, PI

#### Scientific Staff:

Jeff Norris

TAMU, Research Associate

Tom Jefferson

TAMU, Graduate Student

Logan Respess

TAMUG, Marine Technician

Troy Sparks

TAMU, Graduate Student

Stefan Bräger

Volunteer

Spencer Lynn

TAMU, Graduate Student

David Weller

TAMU, Graduate Student

Lisa de los Santos

TAMUG, Student

David Brandon

TAMUG, Computer Programmer

Luis Montaña

Volunteer

Shane Kanatous

TAMU, Graduate Student

Mary Howley

TAMUG, Clerk

Dwight Peake

Volunteer

### *GulfCet Analytical and Processing Personnel:*

#### Sample Analysis:

Logan Respess

TAMUG, Marine Technician

#### Data Processing and Programming:

David Brandon

TAMUG, Computer Programmer

Ted Engelhardt

TAMUG, Clerk

#### Report Writing and Quality Assurance:

Giulietta Fargion

TAMUG, GulfCet PI, Research Associate Specialist

Cheryl Schroeder

TAMUG, Student



**EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:**

**-DATA SUMMARY TABLES**

**Cruise:** GULFCET 06      **Station:** 03-021      **Probe Type:** T-10  
**Latitude:** 27° 55.98' N      **Longitude:** 94° 50.04' W      **Date:** 6-Sep-1993      **Time:** 1117

Depth (m)	Temp. (°C)
0.00	29.13
10.00	29.23
20.00	29.04
30.00	28.96
40.00	28.45
50.00	25.94
60.00	24.27
70.00	22.67
80.00	21.07
90.00	20.04
100.00	18.39

**Cruise:** GULFCET 06      **Station:** 03-022      **Probe Type:** T-10  
**Latitude:** 27° 51.53' N      **Longitude:** 94° 49.98' W      **Date:** 6-Sep-1993      **Time:** 1038

Depth (m)	Temp. (°C)
0.00	29.76
10.00	29.74
20.00	29.21
30.00	28.94
40.00	28.73
50.00	26.41
60.00	24.09
70.00	22.77
80.00	21.32
90.00	20.34
100.00	19.28
110.00	18.43
120.00	17.57
130.00	17.09
140.00	16.71
150.00	16.07
160.00	15.70
170.00	15.34
180.00	15.06
190.00	14.64

**Cruise:** GULFCET 06  
**Latitude:** 27° 49.07' N

**Station:** 03-023  
**Longitude:** 94° 49.91' W

**Probe Type:** T-7  
**Date:** 6-Sep-1993

**Time:** 1017

Depth (m)	Temp. (°C)
0.00	29.43
10.00	29.79
20.00	29.80
30.00	29.90
40.00	29.11
50.00	26.94
60.00	25.06
70.00	23.43
80.00	21.94
90.00	20.64
100.00	19.94

**Cruise:** GULFCET 06  
**Latitude:** 27° 42.01' N

**Station:** 03-024  
**Longitude:** 94° 50.02' W

**Probe Type:** T-7  
**Date:** 6-Sep-1993

**Time:** 0919

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.53	310.00	11.36
10.00	29.84	320.00	11.16
20.00	29.87	330.00	10.98
30.00	29.94	340.00	10.75
40.00	29.75	350.00	10.49
50.00	28.83	360.00	10.31
60.00	25.68	370.00	9.96
70.00	23.85		
80.00	22.01		
90.00	20.96		
100.00	20.12		
110.00	19.26		
120.00	18.48		
130.00	17.51		
140.00	16.96		
150.00	16.39		
160.00	15.94		
170.00	15.49		
180.00	15.21		
190.00	14.71		
200.00	14.45		
210.00	14.17		
220.00	13.82		
230.00	13.45		
240.00	13.17		
250.00	12.93		
260.00	12.60		
270.00	12.23		
280.00	12.05		
290.00	11.88		
300.00	11.67		

Cruise: GULFCET 06  
Latitude: 27° 34.00' N

Station: 03-025  
Longitude: 94° 50.01' W

Probe Type: T-7  
Date: 6-Sep-1993 Time: 0816

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.75	310.00	11.67	610.00	6.89
10.00	29.79	320.00	11.39	620.00	6.85
20.00	29.89	330.00	11.15	630.00	6.75
30.00	29.86	340.00	11.02	640.00	6.58
40.00	29.77	350.00	10.87	650.00	6.48
50.00	28.43	360.00	10.69	660.00	6.28
60.00	26.60	370.00	10.44	670.00	6.22
70.00	24.25	380.00	10.24	680.00	6.20
80.00	22.64	390.00	10.02	690.00	6.11
90.00	21.62	400.00	9.77	700.00	6.02
100.00	20.62	410.00	9.49	710.00	5.97
110.00	19.51	420.00	9.30	720.00	5.89
120.00	18.77	430.00	9.17	730.00	5.85
130.00	17.92	440.00	9.03	740.00	5.77
140.00	17.35	450.00	8.81	750.00	5.73
150.00	16.95	460.00	8.72		
160.00	16.53	470.00	8.51		
170.00	16.13	480.00	8.36		
180.00	15.66	490.00	8.25		
190.00	15.30	500.00	8.18		
200.00	14.92	510.00	8.03		
210.00	14.55	520.00	7.79		
220.00	14.20	530.00	7.70		
230.00	13.84	540.00	7.57		
240.00	13.48	550.00	7.37		
250.00	13.09	560.00	7.23		
260.00	12.89	570.00	7.14		
270.00	12.58	580.00	7.04		
280.00	12.33	590.00	7.00		
290.00	12.16	600.00	6.97		
300.00	11.92				

Cruise: GULFCET 06  
Latitude: 27° 26.00' N

Station: 03-026  
Longitude: 94° 50.01' W

Probe Type: T-7  
Date: 6-Sep-1993 Time: 0711

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.75	310.00	11.88	610.00	7.02
10.00	29.79	320.00	11.62	620.00	6.96
20.00	29.88	330.00	11.32	630.00	6.88
30.00	29.85	340.00	11.18	640.00	6.80
40.00	29.75	350.00	10.96	650.00	6.75
50.00	28.11	360.00	10.77	660.00	6.66
60.00	26.21	370.00	10.56	670.00	6.54
70.00	24.78	380.00	10.41	680.00	6.43
80.00	23.68	390.00	10.22	690.00	6.39
90.00	22.54	400.00	10.04	700.00	6.29
100.00	21.23	410.00	9.85	710.00	6.17
110.00	19.91	420.00	9.74	720.00	6.10
120.00	19.21	430.00	9.59	730.00	6.00
130.00	18.49	440.00	9.43	740.00	5.94
140.00	17.71	450.00	9.28	750.00	5.88
150.00	17.20	460.00	9.10	760.00	5.84
160.00	16.73	470.00	8.89	770.00	5.81
170.00	16.24	480.00	8.76	780.00	5.77
180.00	15.90	490.00	8.58	790.00	5.74
190.00	15.50	500.00	8.44	800.00	5.72
200.00	15.07	510.00	8.34	810.00	5.61
210.00	14.74	520.00	8.21		
220.00	14.57	530.00	8.01		
230.00	14.16	540.00	7.79		
240.00	13.85	550.00	7.68		
250.00	13.54	560.00	7.62		
260.00	13.24	570.00	7.51		
270.00	12.94	580.00	7.40		
280.00	12.64	590.00	7.24		
290.00	12.41	600.00	7.14		
300.00	12.09				

Cruise: GULFCET 06  
Latitude: 27° 23.09' N

Station: 03-027  
Longitude: 94° 49.70' W

Probe Type: T-7  
Date: 6-Sep-1993 Time: 0650

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.78	310.00	12.00	610.00	7.04
10.00	29.81	320.00	11.78	620.00	6.93
20.00	29.94	330.00	11.55	630.00	6.89
30.00	29.90	340.00	11.28	640.00	6.76
40.00	29.52	350.00	11.06	650.00	6.63
50.00	27.89	360.00	10.84	660.00	6.52
60.00	25.98	370.00	10.60	670.00	6.47
70.00	25.02	380.00	10.42	680.00	6.39
80.00	23.59	390.00	10.24	690.00	6.31
90.00	22.38	400.00	10.08	700.00	6.27
100.00	21.20	410.00	9.87	710.00	6.17
110.00	20.41	420.00	9.69	720.00	6.12
120.00	19.10	430.00	9.57	730.00	6.07
130.00	18.18	440.00	9.40	740.00	6.00
140.00	17.57	450.00	9.23	750.00	5.95
150.00	17.20	460.00	9.10	760.00	5.90
160.00	16.84	470.00	8.96	770.00	5.84
170.00	16.30	480.00	8.86	780.00	5.78
180.00	15.93	490.00	8.71	790.00	5.73
190.00	15.50	500.00	8.50	800.00	5.67
200.00	15.09	510.00	8.38	810.00	5.62
210.00	14.66	520.00	8.21		
220.00	14.35	530.00	8.08		
230.00	14.07	540.00	7.98		
240.00	13.82	550.00	7.86		
250.00	13.57	560.00	7.66		
260.00	13.27	570.00	7.58		
270.00	12.90	580.00	7.47		
280.00	12.67	590.00	7.34		
290.00	12.46	600.00	7.22		
300.00	12.21				

Cruise: GULFCET 06  
Latitude: 27° 03.49' N

Station: 03-028  
Longitude: 94° 50.05' W

Probe Type: T-7  
Date: 6-Sep-1993 Time: 0400

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.62	310.00	11.96	610.00	7.29
10.00	30.09	320.00	11.68	620.00	7.19
20.00	29.87	330.00	11.50	630.00	7.07
30.00	29.80	340.00	11.31	640.00	7.01
40.00	29.05	350.00	11.04	650.00	6.93
50.00	27.86	360.00	10.86	660.00	6.84
60.00	25.42	370.00	10.67	670.00	6.76
70.00	24.34	380.00	10.51	680.00	6.67
80.00	23.56	390.00	10.36	690.00	6.57
90.00	22.78	400.00	10.19	700.00	6.49
100.00	22.16	410.00	10.07	710.00	6.40
110.00	21.33	420.00	9.93	720.00	6.32
120.00	20.11	430.00	9.80	730.00	6.23
130.00	18.77	440.00	9.61	740.00	6.18
140.00	18.16	450.00	9.34	750.00	6.12
150.00	17.41	460.00	9.23	760.00	6.01
160.00	16.94	470.00	9.05	770.00	5.98
170.00	16.62	480.00	8.98	780.00	5.92
180.00	16.24	490.00	8.85	790.00	5.87
190.00	15.75	500.00	8.69	800.00	5.83
200.00	15.32	510.00	8.52		
210.00	15.02	520.00	8.32		
220.00	14.58	530.00	8.21		
230.00	14.21	540.00	8.09		
240.00	13.90	550.00	7.93		
250.00	13.55	560.00	7.81		
260.00	13.28	570.00	7.74		
270.00	13.00	580.00	7.66		
280.00	12.78	590.00	7.55		
290.00	12.53	600.00	7.39		
300.00	12.24				

Cruise: GULFCET 06  
Latitude: 26° 46.00' N

Station: 03-029  
Longitude: 94° 49.81' W

Probe Type: T-7  
Date: 6-Sep-1993 Time: 0128

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.83	310.00	11.63	610.00	6.95
10.00	29.84	320.00	11.42	620.00	6.83
20.00	29.85	330.00	11.20	630.00	6.77
30.00	29.80	340.00	11.02	640.00	6.67
40.00	29.18	350.00	10.76	650.00	6.54
50.00	27.04	360.00	10.48	660.00	6.44
60.00	24.74	370.00	10.27	670.00	6.36
70.00	23.68	380.00	10.02	680.00	6.31
80.00	22.77	390.00	9.82	690.00	6.25
90.00	21.87	400.00	9.63	700.00	6.19
100.00	21.08	410.00	9.57	710.00	6.15
110.00	19.95	420.00	9.38	720.00	6.09
120.00	19.22	430.00	9.24	730.00	6.02
130.00	18.43	440.00	9.10	740.00	5.96
140.00	17.78	450.00	8.99	750.00	5.93
150.00	17.17	460.00	8.91	760.00	5.86
160.00	16.69	470.00	8.70	770.00	5.82
170.00	16.14	480.00	8.57	780.00	5.77
180.00	15.56	490.00	8.43	790.00	5.72
190.00	15.10	500.00	8.30	800.00	5.67
200.00	14.66	510.00	8.13	810.00	5.61
210.00	14.26	520.00	8.00	820.00	5.56
220.00	13.94	530.00	7.87		
230.00	13.67	540.00	7.71		
240.00	13.43	550.00	7.62		
250.00	13.08	560.00	7.46		
260.00	12.87	570.00	7.35		
270.00	12.55	580.00	7.23		
280.00	12.36	590.00	7.15		
290.00	12.13	600.00	7.07		
300.00	11.90				

Cruise: GULFCET 06  
Latitude: 26° 18.16' N

Station: 03-030  
Longitude: 94° 50.16' W

Probe Type: T-20  
Date: 5-Sep-1993 Time: 2229

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
-		310.00	10.66	610.00	6.57	910.00	5.09
0.00	29.21	320.00	10.45	620.00	6.47	920.00	5.06
10.00	29.26	330.00	10.34	630.00	6.37	930.00	5.01
20.00	29.09	340.00	10.15	640.00	6.33	940.00	4.96
30.00	28.86	350.00	9.92	650.00	6.23	950.00	4.92
40.00	25.41	360.00	9.74	660.00	6.19	960.00	4.88
50.00	23.76	370.00	9.56	670.00	6.11	970.00	4.86
60.00	22.77	380.00	9.42	680.00	6.05	980.00	4.84
70.00	21.52	390.00	9.21	690.00	5.98	990.00	4.82
80.00	20.32	400.00	9.04	700.00	5.96		
90.00	19.41	410.00	8.91	710.00	5.91		
100.00	18.68	420.00	8.80	720.00	5.80		
110.00	17.76	430.00	8.69	730.00	5.76		
120.00	17.03	440.00	8.59	740.00	5.70		
130.00	16.36	450.00	8.39	750.00	5.64		
140.00	15.95	460.00	8.26	760.00	5.60		
150.00	15.53	470.00	8.10	770.00	5.57		
160.00	15.03	480.00	7.89	780.00	5.50		
170.00	14.65	490.00	7.76	790.00	5.45		
180.00	14.21	500.00	7.68	800.00	5.43		
190.00	13.82	510.00	7.54	810.00	5.40		
200.00	13.57	520.00	7.37	820.00	5.35		
210.00	13.25	530.00	7.28	830.00	5.30		
220.00	12.96	540.00	7.20	840.00	5.25		
230.00	12.69	550.00	7.08	850.00	5.23		
240.00	12.40	560.00	6.99	860.00	5.20		
250.00	12.02	570.00	6.87	870.00	5.19		
260.00	11.82	580.00	6.80	880.00	5.18		
270.00	11.64	590.00	6.73	890.00	5.16		
280.00	11.39	600.00	6.65	900.00	5.13		
290.00	11.21						
300.00	10.91						

Cruise: GULFCET 06  
Latitude: 26° 31.05' N

Station: 03-B11  
Longitude: 94° 50.09' W

Probe Type: T-7  
Date: 5-Sep-1993 Time: 2354

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.29	310.00	10.61	610.00	6.68
10.00	29.46	320.00	10.41	620.00	6.61
20.00	29.41	330.00	10.30	630.00	6.52
30.00	28.99	340.00	10.17	640.00	6.46
40.00	26.93	350.00	10.02	650.00	6.39
50.00	24.69	360.00	9.82	660.00	6.33
60.00	23.50	370.00	9.69	670.00	6.25
70.00	22.42	380.00	9.45	680.00	6.18
80.00	21.84	390.00	9.28	690.00	6.12
90.00	21.13	400.00	9.13	700.00	6.05
100.00	19.96	410.00	8.96	710.00	5.99
110.00	19.19	420.00	8.86	720.00	5.95
120.00	18.86	430.00	8.76	730.00	5.89
130.00	18.04	440.00	8.69	740.00	5.83
140.00	16.96	450.00	8.56	750.00	5.77
150.00	15.83	460.00	8.38	760.00	5.75
160.00	14.98	470.00	8.25	770.00	5.72
170.00	14.44	480.00	8.06	780.00	5.68
180.00	13.91	490.00	7.99	790.00	5.65
190.00	13.61	500.00	7.85	800.00	5.61
200.00	13.25	510.00	7.70	810.00	5.56
210.00	12.99	520.00	7.65		
220.00	12.74	530.00	7.57		
230.00	12.38	540.00	7.44		
240.00	12.15	550.00	7.33		
250.00	11.94	560.00	7.24		
260.00	11.63	570.00	7.06		
270.00	11.51	580.00	7.00		
280.00	11.24	590.00	6.88		
290.00	11.08	600.00	6.78		
300.00	10.90				

Cruise: GULFCET 06  
Latitude: 26° 36.96' N

Station: 04-032  
Longitude: 94° 10.03' W

Probe Type: T-20  
Date: 5-Sep-1993 Time: 1515

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.83	310.00	11.94	610.00	7.12	910.00	5.18
10.00	29.86	320.00	11.74	620.00	7.03	920.00	5.11
20.00	29.86	330.00	11.56	630.00	6.91	930.00	5.01
30.00	29.82	340.00	11.27	640.00	6.78	940.00	4.94
40.00	29.20	350.00	11.00	650.00	6.69	950.00	4.89
50.00	27.25	360.00	10.70	660.00	6.66	960.00	4.85
60.00	24.76	370.00	10.51	670.00	6.58	970.00	4.81
70.00	23.83	380.00	10.40	680.00	6.46	980.00	4.79
80.00	22.90	390.00	10.26	690.00	6.35	990.00	4.76
90.00	22.39	400.00	10.09	700.00	6.27		
100.00	21.60	410.00	9.94	710.00	6.16		
110.00	20.90	420.00	9.78	720.00	6.08		
120.00	20.05	430.00	9.60	730.00	6.02		
130.00	19.42	440.00	9.39	740.00	5.94		
140.00	18.85	450.00	9.21	750.00	5.91		
150.00	18.46	460.00	9.06	760.00	5.85		
160.00	17.64	470.00	8.90	770.00	5.79		
170.00	17.33	480.00	8.72	780.00	5.79		
180.00	16.68	490.00	8.57	790.00	5.77		
190.00	16.04	500.00	8.41	800.00	5.67		
200.00	15.62	510.00	8.25	810.00	5.60		
210.00	15.19	520.00	8.14	820.00	5.53		
220.00	14.86	530.00	8.01	830.00	5.50		
230.00	14.47	540.00	7.90	840.00	5.48		
240.00	14.06	550.00	7.77	850.00	5.43		
250.00	13.56	560.00	7.63	860.00	5.39		
260.00	13.23	570.00	7.48	870.00	5.35		
270.00	12.96	580.00	7.32	880.00	5.32		
280.00	12.69	590.00	7.29	890.00	5.29		
290.00	12.55	600.00	7.26	900.00	5.22		
300.00	12.26						

Cruise: GULFCET 06  
Latitude: 26° 46.61 N

Station: 04-033  
Longitude: 94° 10.15' W

Probe Type: T-7  
Date: 5-Sep-1993

Time: 1314

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.61	310.00	12.88
10.00	29.84	320.00	12.59
20.00	29.80	330.00	12.31
30.00	29.82	340.00	11.97
40.00	28.79	350.00	11.75
50.00	25.41	360.00	11.46
60.00	24.52	370.00	11.26
70.00	23.92	380.00	11.21
80.00	23.30	390.00	10.99
90.00	22.83	400.00	10.74
100.00	22.27	410.00	10.61
110.00	21.64	420.00	10.36
120.00	21.17		
130.00	19.80		
140.00	18.61		
150.00	18.07		
160.00	17.74		
170.00	17.35		
180.00	16.87		
190.00	16.54		
200.00	16.24		
210.00	15.81		
220.00	15.46		
230.00	15.21		
240.00	14.95		
250.00	14.56		
260.00	14.23		
270.00	13.82		
280.00	13.57		
290.00	13.38		
300.00	13.18		

Cruise: GULFCET 06  
Latitude: 27° 30.00' N

Station: 04-037  
Longitude: 94° 10.00' W

Probe Type: T-20  
Date: 5-Sep-1993

Time: 0640

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.95	310.00	11.97	610.00	6.36	910.00	5.23
10.00	29.99	320.00	11.60	620.00	6.30	920.00	5.19
20.00	30.00	330.00	11.39	630.00	6.27	930.00	5.03
30.00	29.98	340.00	11.10	640.00	6.24		
40.00	29.89	350.00	10.92	650.00	6.21		
50.00	28.08	360.00	10.77	660.00	6.16		
60.00	25.34	370.00	10.62	670.00	6.15		
70.00	23.84	380.00	10.45	680.00	6.06		
80.00	22.51	390.00	10.30	690.00	6.00		
90.00	21.36	400.00	10.08	700.00	5.98		
100.00	20.49	410.00	9.92	710.00	5.97		
110.00	19.99	420.00	9.79	720.00	5.95		
120.00	19.37	430.00	9.59	730.00	5.91		
130.00	18.68	440.00	9.45	740.00	5.86		
140.00	18.12	450.00	9.16	750.00	5.82		
150.00	17.59	460.00	8.96	760.00	5.78		
160.00	17.20	470.00	8.82	770.00	5.74		
170.00	16.71	480.00	8.70	780.00	5.72		
180.00	16.06	490.00	8.43	790.00	5.67		
190.00	15.76	500.00	8.21	800.00	5.66		
200.00	15.26	510.00	7.90	810.00	5.59		
210.00	14.87	520.00	7.72	820.00	5.56		
220.00	14.43	530.00	7.46	830.00	5.53		
230.00	14.14	540.00	7.30	840.00	5.52		
240.00	13.92	550.00	7.19	850.00	5.47		
250.00	13.66	560.00	7.07	860.00	5.45		
260.00	13.44	570.00	6.93	870.00	5.40		
270.00	13.12	580.00	6.86	880.00	5.32		
280.00	12.82	590.00	6.71	890.00	5.28		
290.00	12.42	600.00	6.53	900.00	5.25		
300.00	12.17						



**Cruise:** GULFCET 06  
**Latitude:** 27° 38.00' N

**Station:** 04-038  
**Longitude:** 94° 10.00' W

**Probe Type:** T-7  
**Date:** 5-Sep-1993 **Time:** 0537

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.85	310.00	11.42	610.00	6.63
10.00	29.92	320.00	11.12	620.00	6.50
20.00	29.92	330.00	10.81	630.00	6.38
30.00	30.01	340.00	10.65	640.00	6.33
40.00	29.16	350.00	10.46	650.00	6.27
50.00	28.01	360.00	10.30	660.00	6.23
60.00	24.68	370.00	10.20	670.00	6.21
70.00	23.19	380.00	10.02	680.00	6.19
80.00	22.16	390.00	9.79	690.00	6.15
90.00	21.02	400.00	9.42	700.00	6.14
100.00	19.95	410.00	9.01		
110.00	19.24	420.00	8.79		
120.00	18.42	430.00	8.63		
130.00	17.56	440.00	8.45		
140.00	17.01	450.00	8.21		
150.00	16.63	460.00	8.04		
160.00	16.18	470.00	7.91		
170.00	15.88	480.00	7.80		
180.00	15.54	490.00	7.71		
190.00	15.07	500.00	7.61		
200.00	14.69	510.00	7.52		
210.00	14.24	520.00	7.47		
220.00	13.86	530.00	7.41		
230.00	13.52	540.00	7.26		
240.00	13.26	550.00	7.14		
250.00	12.95	560.00	7.08		
260.00	12.74	570.00	7.01		
270.00	12.55	580.00	6.90		
280.00	12.27	590.00	6.79		
290.00	12.10	600.00	6.72		
300.00	11.90				

**Cruise:** GULFCET 06  
**Latitude:** 27° 41.00' N

**Station:** 04-039  
**Longitude:** 94° 10.01' W

**Probe Type:** T-7  
**Date:** 5-Sep-1993 **Time:** 0512

Depth (m)	Temp. (°C)
0.00	29.72
10.00	29.74
20.00	29.75
30.00	29.83
40.00	29.21
50.00	26.67
60.00	24.04
70.00	22.62
80.00	21.63
90.00	20.86
100.00	19.96
110.00	18.82
120.00	18.01
130.00	17.39
140.00	16.96
150.00	16.61
160.00	15.99
170.00	15.58
180.00	15.21
190.00	14.79
200.00	14.49
210.00	14.04
220.00	13.75
230.00	13.35
240.00	12.76
250.00	12.35
260.00	12.29

**Cruise:** GULFCET 06  
**Latitude:** 27° 44.00' N

**Station:** 04-040  
**Longitude:** 94° 10.02' W

**Probe Type:** T-7  
**Date:** 5-Sep-1993

**Time:** 0445

Depth (m)	Temp. (°C)
0.00	29.80
10.00	29.82
20.00	29.82
30.00	29.92
40.00	29.27
50.00	26.60
60.00	24.15
70.00	22.48
80.00	21.28
90.00	20.67
100.00	20.04
110.00	18.83
120.00	18.39
130.00	17.49
140.00	16.96
150.00	16.42
160.00	16.00
170.00	15.51
180.00	15.08
190.00	14.63
200.00	14.32
210.00	13.75
220.00	13.26
230.00	12.75
240.00	12.26
250.00	11.85
260.00	11.64
270.00	11.45
280.00	11.18
290.00	10.93
300.00	10.47

**Cruise:** GULFCET 06  
**Latitude:** 27° 49.96' N

**Station:** 04-041  
**Longitude:** 94° 10.02' W

**Probe Type:** T-10  
**Date:** 5-Sep-1993

**Time:** 0400

Depth (m)	Temp. (°C)
0.00	29.54
10.00	29.62
20.00	29.62
30.00	29.63
40.00	28.31
50.00	25.66
60.00	23.88
70.00	22.71
80.00	21.14
90.00	20.18
100.00	19.31
110.00	18.62
120.00	17.83
130.00	16.88
140.00	16.39
150.00	16.04

**Cruise:** GULFCET 06  
**Latitude:** 27° 06.00' N

**Station:** 04-B10  
**Longitude:** 94° 09.97' W

**Probe Type:** T-7  
**Date:** 5-Sep-1993 **Time:** 1041

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.84	310.00	12.61	610.00	7.45
10.00	29.91	320.00	12.30	620.00	7.55
20.00	29.36	330.00	12.14	630.00	7.20
30.00	29.30	340.00	11.90	640.00	6.96
40.00	28.70	350.00	11.54	650.00	6.92
50.00	27.22	360.00	11.30	660.00	6.70
60.00	25.15	370.00	11.06	670.00	6.67
70.00	24.37	380.00	10.79	680.00	6.62
80.00	23.51	390.00	10.69	690.00	6.62
90.00	22.58	400.00	10.57	700.00	6.49
100.00	21.90	410.00	10.38	710.00	6.41
110.00	21.58	420.00	10.19	720.00	6.34
120.00	21.22	430.00	10.04	730.00	5.96
130.00	20.08	440.00	10.00	740.00	5.94
140.00	19.14	450.00	9.93	750.00	5.99
150.00	18.51	460.00	9.72	760.00	5.89
160.00	17.76	470.00	9.21	770.00	5.94
170.00	17.29	480.00	9.21	780.00	5.87
180.00	16.45	490.00	9.10	790.00	5.83
190.00	16.15	500.00	9.00	800.00	5.76
200.00	15.84	510.00	8.88	810.00	5.62
210.00	15.55	520.00	8.75	820.00	5.55
220.00	15.28	530.00	8.64		
230.00	14.95	540.00	8.48		
240.00	14.80	550.00	8.06		
250.00	14.44	560.00	7.93		
260.00	13.72	570.00	7.83		
270.00	13.66	580.00	7.76		
280.00	13.01	590.00	7.49		
290.00	13.10	600.00	7.53		
300.00	12.86				

**Cruise:** GULFCET 06  
**Latitude:** 27° 34.99' N

**Station:** 05-045  
**Longitude:** 93° 29.46' W

**Probe Type:** T-7  
**Date:** 4-Sep-1993 **Time:** 2011

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.68	310.00	10.75
10.00	29.35	320.00	10.37
20.00	29.32		
30.00	26.95		
40.00	24.51		
50.00	23.32		
60.00	22.41		
70.00	21.11		
80.00	19.13		
90.00	17.93		
100.00	15.21		
110.00	14.84		
120.00	14.57		
130.00	14.21		
140.00	13.97		
150.00	13.75		
160.00	13.47		
170.00	12.80		
180.00	12.69		
190.00	12.54		
200.00	12.07		
210.00	11.75		
220.00	11.66		
230.00	11.52		
240.00	11.39		
250.00	11.30		
260.00	11.16		
270.00	11.02		
280.00	10.95		
290.00	10.94		
300.00	10.92		

Cruise: GULFCET 06  
Latitude: 27° 32.99' N

Station: 05-046  
Longitude: 93° 30.01' W

Probe Type: T-7  
Date: 4-Sep-1993

Time: 1955

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.66	310.00	10.18
10.00	29.33	320.00	10.04
20.00	29.28	330.00	9.99
30.00	26.91	340.00	9.84
40.00	24.34	350.00	9.74
50.00	23.23	360.00	9.58
60.00	22.33	370.00	9.41
70.00	21.14	380.00	9.22
80.00	19.48	390.00	9.13
90.00	17.72	400.00	9.05
100.00	15.85	410.00	8.96
110.00	15.19	420.00	8.76
120.00	14.60	430.00	8.64
130.00	14.23		
140.00	13.80		
150.00	13.50		
160.00	13.21		
170.00	12.91		
180.00	12.68		
190.00	12.43		
200.00	12.22		
210.00	12.06		
220.00	11.82		
230.00	11.57		
240.00	11.31		
250.00	11.09		
260.00	10.93		
270.00	10.80		
280.00	10.68		
290.00	10.55		
300.00	10.28		

Cruise: GULFCET 06  
Latitude: 27° 21.00' N

Station: 05-048  
Longitude: 93° 29.95' W

Probe Type: T-7  
Date: 4-Sep-1993

Time: 1534

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.09	310.00	11.45	610.00	6.76
10.00	29.62	320.00	11.13	620.00	6.76
20.00	29.45	330.00	10.92	630.00	6.74
30.00	29.45	340.00	10.72	640.00	6.64
40.00	27.29	350.00	10.42	650.00	6.59
50.00	25.61	360.00	10.14	660.00	6.44
60.00	24.42	370.00	10.00	670.00	6.32
70.00	23.58	380.00	9.92	680.00	6.29
80.00	23.04	390.00	9.78		
90.00	21.90	400.00	9.58		
100.00	20.21	410.00	9.33		
110.00	18.79	420.00	9.04		
120.00	17.56	430.00	8.71		
130.00	16.93	440.00	8.58		
140.00	16.52	450.00	8.66		
150.00	16.10	460.00	8.49		
160.00	15.50	470.00	8.43		
170.00	15.11	480.00	8.38		
180.00	14.62	490.00	8.22		
190.00	14.44	500.00	8.10		
200.00	14.02	510.00	8.31		
210.00	13.82	520.00	7.98		
220.00	13.45	530.00	7.66		
230.00	13.19	540.00	7.54		
240.00	12.90	550.00	7.65		
250.00	12.74	560.00	7.54		
260.00	12.44	570.00	7.31		
270.00	12.34	580.00	7.24		
280.00	12.06	590.00	6.96		
290.00	11.89	600.00	6.85		
300.00	11.60				

Cruise: GULFCET 06  
Latitude: 27° 05.98' N

Station: 05-049  
Longitude: 93° 29.98' W

Probe Type: T-20  
Date: 4-Sep-1993 Time: 1518

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.85	310.00	11.92	610.00	6.52
10.00	29.87	320.00	11.65	620.00	6.43
20.00	30.07	330.00	11.45	630.00	6.29
30.00	29.86	340.00	11.31	640.00	6.16
40.00	28.12	350.00	11.00	650.00	6.08
50.00	25.61	360.00	10.82	660.00	6.03
60.00	24.65	370.00	10.56	670.00	5.99
70.00	23.97	380.00	10.42	680.00	5.92
80.00	23.24	390.00	10.22	690.00	5.86
90.00	22.71	400.00	9.97	700.00	5.78
100.00	21.92	410.00	9.73	710.00	5.76
110.00	20.72	420.00	9.48	720.00	5.72
120.00	19.81	430.00	9.27	730.00	5.70
130.00	19.01	440.00	8.95	740.00	5.66
140.00	18.45	450.00	8.76	750.00	5.59
150.00	17.93	460.00	8.38	760.00	5.57
160.00	17.27	470.00	8.23	770.00	5.51
170.00	16.67	480.00	8.00	780.00	5.50
180.00	15.72	490.00	7.81	790.00	5.38
190.00	14.79	500.00	7.61	800.00	5.32
200.00	14.24	510.00	7.52	810.00	5.31
210.00	13.70	520.00	7.33	820.00	5.29
220.00	13.21	530.00	7.19	830.00	5.25
230.00	12.97	540.00	7.08	840.00	5.24
240.00	12.69	550.00	6.99	850.00	5.23
250.00	12.51	560.00	6.92	860.00	5.18
260.00	12.34	570.00	6.83	870.00	5.13
270.00	12.21	580.00	6.77	880.00	5.12
280.00	12.15	590.00	6.68		
290.00	12.03	600.00	6.62		
300.00	11.98				

Cruise: GULFCET 06  
Latitude: 26° 43.00' N

Station: 05-051  
Longitude: 93° 29.90' W

Probe Type: T-20  
Date: 4-Sep-1993 Time: 1059

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.87	310.00	12.23	610.00	7.22	910.00	5.13
10.00	29.95	320.00	11.99	620.00	7.08	920.00	5.06
20.00	29.93	330.00	11.82	630.00	6.97	930.00	5.01
30.00	29.91	340.00	11.60	640.00	6.86	940.00	4.96
40.00	27.49	350.00	11.36	650.00	6.72	950.00	4.92
50.00	25.74	360.00	11.22	660.00	6.58	960.00	4.88
60.00	24.97	370.00	11.00	670.00	6.49	970.00	4.83
70.00	24.39	380.00	10.80	680.00	6.44	980.00	4.80
80.00	23.99	390.00	10.66	690.00	6.33	990.00	4.77
90.00	23.54	400.00	10.52	700.00	6.24		
100.00	23.06	410.00	10.35	710.00	6.15		
110.00	22.60	420.00	10.22	720.00	6.12		
120.00	22.32	430.00	10.08	730.00	6.07		
130.00	21.63	440.00	9.88	740.00	5.98		
140.00	21.07	450.00	9.77	750.00	5.96		
150.00	20.48	460.00	9.39	760.00	5.90		
160.00	19.53	470.00	9.19	770.00	5.81		
170.00	18.68	480.00	9.09	780.00	5.77		
180.00	17.91	490.00	8.96	790.00	5.72		
190.00	17.54	500.00	8.78	800.00	5.69		
200.00	16.46	510.00	8.54	810.00	5.64		
210.00	15.74	520.00	8.34	820.00	5.60		
220.00	15.32	530.00	8.17	830.00	5.53		
230.00	14.84	540.00	8.03	840.00	5.44		
240.00	14.54	550.00	7.87	850.00	5.38		
250.00	14.12	560.00	7.72	860.00	5.30		
260.00	13.76	570.00	7.60	870.00	5.26		
270.00	13.35	580.00	7.50	880.00	5.24		
280.00	12.87	590.00	7.49	890.00	5.20		
290.00	12.64	600.00	7.33	900.00	5.18		
300.00	12.45						

Cruise: GULFCET 06  
Latitude: 26° 26.10' N

Station: 05-B09  
Longitude: 93° 29.90' W

Probe Type: T-7  
Date: 4-Sep-1993 Time: 0819

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.73	310.00	12.05	610.00	7.19
10.00	29.74	320.00	11.78	620.00	7.13
20.00	29.83	330.00	11.53	630.00	6.99
30.00	29.90	340.00	11.26	640.00	6.91
40.00	29.02	350.00	11.10	650.00	6.78
50.00	27.85	360.00	10.84	660.00	6.72
60.00	25.60	370.00	10.65	670.00	6.67
70.00	24.54	380.00	10.47	680.00	6.63
80.00	23.98	390.00	10.25	690.00	6.53
90.00	23.46	400.00	10.01	700.00	6.41
100.00	22.66	410.00	9.86	710.00	6.28
110.00	21.83	420.00	9.72	720.00	6.21
120.00	21.21	430.00	9.58	730.00	6.17
130.00	20.49	440.00	9.43	740.00	6.12
140.00	19.80	450.00	9.21	750.00	6.03
150.00	19.29	460.00	9.01	760.00	5.97
160.00	18.55	470.00	8.88	770.00	5.89
170.00	18.08	480.00	8.73	780.00	5.80
180.00	17.16	490.00	8.63	790.00	5.73
190.00	16.74	500.00	8.49	800.00	5.67
200.00	16.14	510.00	8.35	810.00	5.63
210.00	15.62	520.00	8.25	820.00	5.58
220.00	15.14	530.00	8.10		
230.00	14.77	540.00	7.94		
240.00	14.52	550.00	7.82		
250.00	14.18	560.00	7.72		
260.00	13.73	570.00	7.57		
270.00	13.41	580.00	7.43		
280.00	12.89	590.00	7.35		
290.00	12.50	600.00	7.29		
300.00	12.29				

Cruise: GULFCET 06  
Latitude: 26° 52.24' N

Station: 06-056  
Longitude: 92° 49.81' W

Probe Type: T-20  
Date: 3-Sep-1993 Time: 1811

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.44	310.00	11.02	610.00	6.54	910.00	5.01
10.00	29.69	320.00	10.81	620.00	6.48	920.00	4.98
20.00	29.68	330.00	10.60	630.00	6.38	930.00	4.98
30.00	29.52	340.00	10.35	640.00	6.31	940.00	4.95
40.00	27.93	350.00	10.19	650.00	6.26	950.00	4.90
50.00	24.94	360.00	9.95	660.00	6.17	960.00	4.86
60.00	23.80	370.00	9.81	670.00	6.12	970.00	4.84
70.00	22.94	380.00	9.67	680.00	6.03	980.00	4.81
80.00	22.01	390.00	9.51	690.00	5.97	990.00	4.78
90.00	20.43	400.00	9.32	700.00	5.88		
100.00	18.37	410.00	9.18	710.00	5.83		
110.00	17.65	420.00	8.78	720.00	5.76		
120.00	16.92	430.00	8.64	730.00	5.74		
130.00	16.78	440.00	8.53	740.00	5.67		
140.00	16.30	450.00	8.38	750.00	5.62		
150.00	15.90	460.00	8.25	760.00	5.60		
160.00	15.45	470.00	8.07	770.00	5.54		
170.00	15.13	480.00	7.99	780.00	5.53		
180.00	14.72	490.00	7.85	790.00	5.47		
190.00	14.45	500.00	7.71	800.00	5.40		
200.00	14.22	510.00	7.62	810.00	5.37		
210.00	13.80	520.00	7.52	820.00	5.34		
220.00	13.48	530.00	7.38	830.00	5.29		
230.00	13.21	540.00	7.26	840.00	5.25		
240.00	12.85	550.00	7.15	850.00	5.21		
250.00	12.65	560.00	7.06	860.00	5.18		
260.00	12.27	570.00	6.96	870.00	5.15		
270.00	12.11	580.00	6.87	880.00	5.12		
280.00	11.89	590.00	6.73	890.00	5.10		
290.00	11.51	600.00	6.61	900.00	5.05		
300.00	11.24						

Cruise: GULFCET 06  
Latitude: 27° 18.94' N

Station: 06-058  
Longitude: 92° 49.93' W

Probe Type: T-20  
Date: 3-Sep-1993 Time: 1434

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.65	310.00	10.59	610.00	6.33	910.00	5.13
10.00	29.72	320.00	10.37	620.00	6.30	920.00	5.11
20.00	29.07	330.00	10.14	630.00	6.28	930.00	5.08
30.00	27.44	340.00	9.97	640.00	6.22	940.00	5.07
40.00	25.12	350.00	9.75	650.00	6.17	950.00	5.05
50.00	23.74	360.00	9.51	660.00	6.14	960.00	4.95
60.00	22.53	370.00	9.36	670.00	6.09	970.00	4.79
70.00	21.60	380.00	9.22	680.00	6.03		
80.00	20.61	390.00	9.07	690.00	6.00		
90.00	19.42	400.00	8.95	700.00	5.94		
100.00	18.51	410.00	8.80	710.00	5.91		
110.00	17.81	420.00	8.60	720.00	5.82		
120.00	17.18	430.00	8.42	730.00	5.78		
130.00	16.45	440.00	8.21	740.00	5.70		
140.00	16.00	450.00	8.03	750.00	5.65		
150.00	15.52	460.00	7.94	760.00	5.60		
160.00	15.02	470.00	7.81	770.00	5.57		
170.00	14.61	480.00	7.72	780.00	5.54		
180.00	14.14	490.00	7.59	790.00	5.52		
190.00	13.72	500.00	7.49	800.00	5.48		
200.00	13.32	510.00	7.40	810.00	5.45		
210.00	13.00	520.00	7.22	820.00	5.41		
220.00	12.66	530.00	7.10	830.00	5.40		
230.00	12.25	540.00	6.95	840.00	5.39		
240.00	11.99	550.00	6.81	850.00	5.36		
250.00	11.69	560.00	6.68	860.00	5.32		
260.00	11.46	570.00	6.61	870.00	5.29		
270.00	11.28	580.00	6.51	880.00	5.25		
280.00	11.15	590.00	6.44	890.00	5.21		
290.00	10.99	600.00	6.37	900.00	5.20		
300.00	10.76						

Cruise: GULFCET 06  
Latitude: 29° 34.12' N

Station: 06-060  
Longitude: 92° 49.98' W

Probe Type: T-7  
Date: 3-Sep-1993 Time: 1133

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.83	310.00	10.80	610.00	6.53
10.00	29.91	320.00	10.56	620.00	6.44
20.00	29.83	330.00	10.39	630.00	6.34
30.00	27.97	340.00	10.21	640.00	6.26
40.00	25.27	350.00	10.01	650.00	6.23
50.00	24.42	360.00	9.88	660.00	6.17
60.00	23.43	370.00	9.71	670.00	6.11
70.00	22.37	380.00	9.44	680.00	6.06
80.00	21.20	390.00	9.30	690.00	6.03
90.00	20.29	400.00	9.14	700.00	5.99
100.00	19.52	410.00	8.97		
110.00	18.70	420.00	8.76		
120.00	17.78	430.00	8.55		
130.00	17.10	440.00	8.41		
140.00	16.69	450.00	8.29		
150.00	16.22	460.00	8.10		
160.00	15.96	470.00	7.91		
170.00	15.42	480.00	7.84		
180.00	14.93	490.00	7.74		
190.00	14.50	500.00	7.67		
200.00	14.16	510.00	7.62		
210.00	13.76	520.00	7.50		
220.00	13.47	530.00	7.33		
230.00	13.10	540.00	7.15		
240.00	12.80	550.00	7.05		
250.00	12.55	560.00	6.97		
260.00	12.27	570.00	6.89		
270.00	11.94	580.00	6.81		
280.00	11.64	590.00	6.71		
290.00	11.37	600.00	6.60		
300.00	11.03				

**Cruise:** GULFCET 06  
**Latitude:** 27° 41.05' N

**Station:** 06-061  
**Longitude:** 92° 50.10' W

**Probe Type:** T-7  
**Date:** 3-Sep-1993

**Time:** 1023

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.81	310.00	10.60
10.00	29.80		
20.00	29.80		
30.00	28.60		
40.00	25.74		
50.00	24.04		
60.00	23.37		
70.00	22.40		
80.00	21.29		
90.00	20.22		
100.00	19.31		
110.00	18.55		
120.00	18.13		
130.00	17.32		
140.00	16.22		
150.00	16.00		
160.00	15.43		
170.00	15.06		
180.00	14.75		
190.00	14.43		
200.00	14.00		
210.00	13.71		
220.00	13.40		
230.00	13.17		
240.00	12.86		
250.00	12.52		
260.00	12.21		
270.00	11.65		
280.00	11.05		
290.00	10.99		
300.00	10.77		

**Cruise:** GULFCET 06  
**Latitude:** 27° 43.43' N

**Station:** 06-062  
**Longitude:** 92° 50.10' W

**Probe Type:** T-7  
**Date:** 3-Sep-1993

**Time:** 0955

Depth (m)	Temp. (°C)
0.00	29.84
10.00	29.85
20.00	29.85
30.00	28.91
40.00	25.89
50.00	24.52
60.00	23.70
70.00	22.70
80.00	21.51
90.00	19.98
100.00	19.23
110.00	18.65
120.00	17.69
130.00	17.06
140.00	16.44
150.00	15.84
160.00	15.41
170.00	15.03
180.00	14.72
190.00	14.46
200.00	14.17
210.00	13.90
220.00	13.30
230.00	12.75
240.00	11.98
250.00	11.67
260.00	11.40
270.00	11.24
280.00	11.18
290.00	10.92



**Cruise:** GULFCET 06  
**Latitude:** 27° 55.05' N

**Station:** 06-063  
**Longitude:** 92° 49.76' W

**Probe Type:** T-10  
**Date:** 3-Sep-1993 **Time:** 0811

Depth (m)	Temp. (°C)
0.00	29.70
10.00	29.71
20.00	29.66
30.00	29.22
40.00	27.40
50.00	25.27
60.00	24.06
70.00	22.90
80.00	21.85
90.00	20.24
100.00	19.33
110.00	18.43
120.00	17.58
130.00	16.78
140.00	16.12
150.00	15.79
160.00	15.45
170.00	15.21
180.00	14.78

**Cruise:** GULFCET 06  
**Latitude:** 27° 05.96' N

**Station:** 06-B07  
**Longitude:** 92° 49.93' W

**Probe Type:** T-7  
**Date:** 3-Sep-1993 **Time:** 1621

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.28	310.00	10.66	610.00	6.62
10.00	29.43	320.00	10.38	620.00	6.52
20.00	29.28	330.00	10.21	630.00	6.42
30.00	27.87	340.00	10.10	640.00	6.34
40.00	25.32	350.00	9.88	650.00	6.29
50.00	23.78	360.00	9.70	660.00	6.19
60.00	22.52	370.00	9.53	670.00	6.13
70.00	21.14	380.00	9.27	680.00	6.06
80.00	20.26	390.00	9.11	690.00	5.98
90.00	18.83	400.00	8.88	700.00	5.92
100.00	18.50	410.00	8.74	710.00	5.86
110.00	18.11	420.00	8.65	720.00	5.80
120.00	17.73	430.00	8.48	730.00	5.77
130.00	16.98	440.00	8.37	740.00	5.68
140.00	16.63	450.00	8.17	750.00	5.62
150.00	16.17	460.00	8.09	760.00	5.57
160.00	15.71	470.00	8.02	770.00	5.53
170.00	15.30	480.00	7.90	780.00	5.45
180.00	14.89	490.00	7.72	790.00	5.40
190.00	14.41	500.00	7.62	800.00	5.39
200.00	14.09	510.00	7.54	810.00	5.38
210.00	13.70	520.00	7.48	820.00	5.36
220.00	13.30	530.00	7.38		
230.00	12.95	540.00	7.26		
240.00	12.58	550.00	7.20		
250.00	12.17	560.00	7.05		
260.00	11.88	570.00	6.97		
270.00	11.63	580.00	6.89		
280.00	11.40	590.00	6.79		
290.00	11.14	600.00	6.72		
300.00	10.80				

**Cruise:** GULFCET 06  
**Latitude:** 27° 53.00' N

**Station:** 07-066  
**Longitude:** 92° 10.03' W

**Probe Type:** T-10  
**Date:** 3-Sep-1993  
**Time:** 0130

Depth (m)	Temp. (°C)
0.00	29.95
10.00	29.90
20.00	29.98
30.00	29.38
40.00	26.53
50.00	24.27
60.00	22.73
70.00	21.69
80.00	20.99
90.00	19.76
100.00	18.68
110.00	17.69
120.00	17.04
130.00	16.48
140.00	16.12
150.00	15.71
160.00	15.44
170.00	14.93
180.00	14.72
190.00	14.61
200.00	13.64
210.00	13.22

**Cruise:** GULFCET 06  
**Latitude:** 27° 51.99' N

**Station:** 07-067  
**Longitude:** 92° 10.03' W

**Probe Type:** T-7  
**Date:** 3-Sep-1993  
**Time:** 0121

Depth (m)	Temp. (°C)
0.00	29.90
10.00	29.88
20.00	29.91
30.00	28.97
40.00	26.64
50.00	24.08
60.00	22.13
70.00	21.56
80.00	20.17
90.00	19.33
100.00	18.35
110.00	17.63
120.00	16.88
130.00	16.26
140.00	15.88
150.00	15.66
160.00	15.43
170.00	15.01
180.00	14.29
190.00	14.01
200.00	13.56
210.00	13.13
220.00	12.87
230.00	12.36
240.00	12.06
250.00	11.93
260.00	11.67
270.00	11.41

Cruise: GULFCET 06  
Latitude: 27° 44.97' N

Station: 07-068  
Longitude: 92° 09.97' W

Probe Type: T-7  
Date: 3-Sep-1993

Time: 0021

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.75	310.00	10.49
10.00	29.93	320.00	10.31
20.00	29.89	330.00	10.19
30.00	29.16	340.00	9.96
40.00	26.56	350.00	9.81
50.00	23.75	360.00	9.75
60.00	22.48	370.00	9.58
70.00	21.47	380.00	9.45
80.00	20.60	390.00	9.36
90.00	19.37	400.00	9.27
100.00	18.60	410.00	9.10
110.00	18.05	420.00	8.93
120.00	17.21	430.00	8.77
130.00	16.54	440.00	8.62
140.00	15.84	450.00	8.48
150.00	15.43	460.00	8.34
160.00	15.06	470.00	8.25
170.00	14.69	480.00	8.23
180.00	14.18		
190.00	13.92		
200.00	13.36		
210.00	13.10		
220.00	12.82		
230.00	12.68		
240.00	12.27		
250.00	12.00		
260.00	11.89		
270.00	11.51		
280.00	11.29		
290.00	10.95		
300.00	10.72		

Cruise: GULFCET 06  
Latitude: 27° 36.99' N

Station: 07-069  
Longitude: 92° 09.91' W

Probe Type: T-7  
Date: 2-Sep-1993

Time: 2318

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.08	310.00	10.36	610.00	6.54
10.00	30.04	320.00	10.18	620.00	6.51
20.00	30.02	330.00	9.98	630.00	6.39
30.00	28.71	340.00	9.81	640.00	6.30
40.00	26.16	350.00	9.63	650.00	6.26
50.00	23.81	360.00	9.46	660.00	6.24
60.00	22.15	370.00	9.21	670.00	6.12
70.00	21.14	380.00	9.04	680.00	6.02
80.00	20.14	390.00	8.92	690.00	5.95
90.00	19.37	400.00	8.77		
100.00	18.83	410.00	8.51		
110.00	18.07	420.00	8.40		
120.00	16.98	430.00	8.28		
130.00	16.33	440.00	8.18		
140.00	15.58	450.00	7.96		
150.00	15.14	460.00	7.83		
160.00	14.79	470.00	7.65		
170.00	14.32	480.00	7.54		
180.00	13.96	490.00	7.38		
190.00	13.59	500.00	7.23		
200.00	13.14	510.00	7.13		
210.00	12.90	520.00	7.04		
220.00	12.64	530.00	7.02		
230.00	12.27	540.00	6.97		
240.00	11.99	550.00	6.94		
250.00	11.79	560.00	6.88		
260.00	11.51	570.00	6.79		
270.00	11.30	580.00	6.68		
280.00	11.16	590.00	6.63		
290.00	10.94	600.00	6.58		
300.00	10.66				

Cruise: GULFCET 06  
Latitude: 27° 29.50' N

Station: 07-070  
Longitude: 92° 09.93' W

Probe Type: T-20  
Date: 2-Sep-1993 Time: 2238

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.10	310.00	10.08	610.00	6.29
10.00	30.17	320.00	9.91	620.00	6.27
20.00	29.98	330.00	9.74	630.00	6.20
30.00	29.03	340.00	9.59	640.00	6.13
40.00	25.97	350.00	9.41	650.00	6.05
50.00	23.63	360.00	9.27	660.00	5.93
60.00	22.18	370.00	9.06	670.00	5.84
70.00	21.06	380.00	8.92	680.00	5.81
80.00	20.25	390.00	8.65	690.00	5.75
90.00	19.19	400.00	8.53	700.00	5.67
100.00	18.33	410.00	8.50	710.00	5.62
110.00	17.57	420.00	8.42	720.00	5.56
120.00	16.95	430.00	8.28	730.00	5.54
130.00	16.45	440.00	8.15	740.00	5.48
140.00	15.92	450.00	8.03	750.00	5.44
150.00	15.48	460.00	7.91		
160.00	14.80	470.00	7.78		
170.00	14.33	480.00	7.64		
180.00	13.80	490.00	7.48		
190.00	13.41	500.00	7.37		
200.00	13.03	510.00	7.19		
210.00	12.54	520.00	7.08		
220.00	12.32	530.00	6.99		
230.00	12.04	540.00	6.91		
240.00	11.80	550.00	6.80		
250.00	11.58	560.00	6.70		
260.00	11.26	570.00	6.61		
270.00	11.11	580.00	6.52		
280.00	10.79	590.00	6.41		
290.00	10.62	600.00	6.35		
300.00	10.34				

Cruise: GULFCET 06  
Latitude: 27° 10.03' N

Station: 07-072  
Longitude: 92° 10.11' W

Probe Type: T-20  
Date: 2-Sep-1993 Time: 1851

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.43	310.00	9.36	610.00	5.81	910.00	4.81
10.00	30.19	320.00	9.07	620.00	5.79	920.00	4.75
20.00	30.10	330.00	8.90	630.00	5.73	930.00	4.74
30.00	29.94	340.00	8.76	640.00	5.70	940.00	4.72
40.00	28.42	350.00	8.64	650.00	5.67	950.00	4.70
50.00	26.17	360.00	8.41	660.00	5.62	960.00	4.68
60.00	23.38	370.00	8.20	670.00	5.60	970.00	4.67
70.00	22.31	380.00	8.07	680.00	5.58	980.00	4.63
80.00	21.59	390.00	7.96	690.00	5.55	990.00	4.62
90.00	20.29	400.00	7.88	700.00	5.51		
100.00	19.42	410.00	7.74	710.00	5.49		
110.00	18.69	420.00	7.50	720.00	5.38		
120.00	17.66	430.00	7.35	730.00	5.33		
130.00	16.96	440.00	7.25	740.00	5.28		
140.00	16.39	450.00	7.15	750.00	5.23		
150.00	15.84	460.00	7.01	760.00	5.20		
160.00	15.12	470.00	6.87	770.00	5.18		
170.00	14.59	480.00	6.77	780.00	5.15		
180.00	14.01	490.00	6.74	790.00	5.10		
190.00	13.46	500.00	6.65	800.00	5.05		
200.00	12.98	510.00	6.55	810.00	5.03		
210.00	12.54	520.00	6.51	820.00	5.00		
220.00	12.02	530.00	6.46	830.00	4.98		
230.00	11.50	540.00	6.36	840.00	4.95		
240.00	11.16	550.00	6.21	850.00	4.93		
250.00	10.90	560.00	6.08	860.00	4.91		
260.00	10.71	570.00	6.02	870.00	4.88		
270.00	10.42	580.00	5.97	880.00	4.87		
280.00	10.09	590.00	5.92	890.00	4.82		
290.00	9.76	600.00	5.86	900.00	4.81		
300.00	9.57						

Cruise: GULFCET 06  
Latitude: 26° 31.00' N

Station: 07-B06  
Longitude: 92° 10.00' W

Probe Type: T-7  
Date: 2-Sep-1993 Time: 1125

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.05	310.00	11.80	610.00	6.92
10.00	29.92	320.00	11.58	620.00	6.78
20.00	29.92	330.00	11.39	630.00	6.66
30.00	29.83	340.00	11.17	640.00	6.55
40.00	29.48	350.00	10.95	650.00	6.43
50.00	27.35	360.00	10.73	660.00	6.33
60.00	25.20	370.00	10.52	670.00	6.29
70.00	24.35	380.00	10.34	680.00	6.22
80.00	23.86	390.00	10.17	690.00	6.12
90.00	23.15	400.00	9.97	700.00	6.06
100.00	22.55	410.00	9.81	710.00	6.01
110.00	22.09	420.00	9.64	720.00	5.94
120.00	21.31	430.00	9.49	730.00	5.90
130.00	20.16	440.00	9.29	740.00	5.86
140.00	19.55	450.00	9.14	750.00	5.81
150.00	18.59	460.00	8.96	760.00	5.78
160.00	18.01	470.00	8.84	770.00	5.71
170.00	17.44	480.00	8.68	780.00	5.65
180.00	17.10	490.00	8.54	790.00	5.59
190.00	16.55	500.00	8.41	800.00	5.54
200.00	16.19	510.00	8.31	810.00	5.48
210.00	15.78	520.00	8.13		
220.00	15.37	530.00	7.97		
230.00	14.88	540.00	7.81		
240.00	14.44	550.00	7.77		
250.00	14.00	560.00	7.59		
260.00	13.50	570.00	7.34		
270.00	13.15	580.00	7.29		
280.00	12.85	590.00	7.16		
290.00	12.54	600.00	7.02		
300.00	12.23				

Cruise: GULFCET 06  
Latitude: 26° 47.71' N

Station: 07-EX7  
Longitude: 92° 07.61' W

Probe Type: T-7  
Date: 2-Sep-1993 Time: 1525

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.16	310.00	10.47	610.00	6.17
10.00	29.86	320.00	10.19	620.00	6.11
20.00	29.76	330.00	10.01	630.00	6.04
30.00	29.72	340.00	9.72	640.00	5.96
40.00	29.28	350.00	9.49	650.00	5.89
50.00	27.65	360.00	9.23	660.00	5.84
60.00	24.97	370.00	9.03	670.00	5.77
70.00	24.08	380.00	8.87	680.00	5.89
80.00	23.59	390.00	8.69	690.00	5.62
90.00	22.95	400.00	8.54	700.00	5.57
100.00	22.32	410.00	8.44	710.00	5.54
110.00	21.80	420.00	8.24	720.00	5.52
120.00	20.97	430.00	8.13	730.00	5.47
130.00	19.84	440.00	8.00	740.00	5.42
140.00	18.75	450.00	7.91	750.00	5.35
150.00	18.01	460.00	7.78	760.00	5.34
160.00	17.36	470.00	7.61	770.00	5.27
170.00	16.43	480.00	7.48	780.00	5.24
180.00	15.77	490.00	7.34	790.00	5.21
190.00	15.30	500.00	7.20	800.00	5.18
200.00	14.58	510.00	7.08	810.00	5.15
210.00	13.91	520.00	7.02		
220.00	13.38	530.00	6.95		
230.00	12.72	540.00	6.84		
240.00	12.41	550.00	6.71		
250.00	12.02	560.00	6.57		
260.00	11.78	570.00	6.50		
270.00	11.52	580.00	6.42		
280.00	11.21	590.00	6.35		
290.00	11.11	600.00	6.28		
300.00	10.78				

Cruise: GULFCET 06  
Latitude: 27° 32.93' N

Station: 08-081  
Longitude: 91° 30.28' W

Probe Type: T-20  
Date: 1-Sep-1993 Time: 1755

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.03	310.00	10.80	610.00	6.52
10.00	30.03	320.00	10.63	620.00	6.44
20.00	29.82	330.00	10.43	630.00	6.34
30.00	28.02	340.00	10.34	640.00	6.28
40.00	25.62	350.00	10.17	650.00	6.22
50.00	23.65	360.00	9.86	660.00	6.13
60.00	22.25	370.00	9.68	670.00	6.04
70.00	21.45	380.00	9.55	680.00	6.01
80.00	20.25	390.00	9.36	690.00	5.97
90.00	19.19	400.00	9.17	700.00	5.89
100.00	18.08	410.00	9.03	710.00	5.79
110.00	17.68	420.00	8.84	720.00	5.69
120.00	16.91	430.00	8.70	730.00	5.63
130.00	16.21	440.00	8.49	740.00	5.55
140.00	15.82	450.00	8.31	750.00	5.47
150.00	15.45	460.00	8.10	760.00	5.44
160.00	15.14	470.00	7.96	770.00	5.42
170.00	14.63	480.00	7.88	780.00	5.36
180.00	14.22	490.00	7.70	790.00	5.33
190.00	13.87	500.00	7.56	800.00	5.31
200.00	13.49	510.00	7.47	810.00	5.21
210.00	13.22	520.00	7.30	820.00	5.06
220.00	12.92	530.00	7.23	830.00	5.05
230.00	12.55	540.00	7.09		
240.00	12.31	550.00	6.98		
250.00	12.05	560.00	6.86		
260.00	11.73	570.00	6.77		
270.00	11.56	580.00	6.71		
280.00	11.41	590.00	6.67		
290.00	11.20	600.00	6.59		
300.00	11.04				

Cruise: GULFCET 06  
Latitude: 27° 45.53' N

Station: 08-082  
Longitude: 91° 30.00' W

Probe Type: T-7  
Date: 1-Sep-1993 Time: 1633

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.01	310.00	10.59	610.00	6.56
10.00	30.00	320.00	10.38	620.00	6.52
20.00	29.96	330.00	10.21	630.00	6.49
30.00	28.86	340.00	9.75	640.00	6.43
40.00	25.96	350.00	9.48	650.00	6.37
50.00	23.94	360.00	9.27	660.00	6.34
60.00	22.33	370.00	9.07	670.00	6.27
70.00	20.92	380.00	8.93	680.00	6.25
80.00	19.98	390.00	8.86	690.00	6.18
90.00	18.94	400.00	8.72	700.00	6.13
100.00	18.40	410.00	8.54		
110.00	17.86	420.00	8.35		
120.00	17.33	430.00	8.24		
130.00	16.70	440.00	8.13		
140.00	16.22	450.00	7.86		
150.00	15.66	460.00	7.79		
160.00	15.30	470.00	7.74		
170.00	14.65	480.00	7.62		
180.00	14.18	490.00	7.59		
190.00	13.93	500.00	7.41		
200.00	13.52	510.00	7.32		
210.00	13.19	520.00	7.19		
220.00	12.79	530.00	7.12		
230.00	12.54	540.00	7.09		
240.00	12.42	550.00	7.01		
250.00	12.09	560.00	6.95		
260.00	11.85	570.00	6.83		
270.00	11.48	580.00	6.77		
280.00	11.23	590.00	6.69		
290.00	10.98	600.00	6.62		
300.00	10.71				

Cruise: GULFCET 06  
Latitude: 27° 49.50' N

Station: 08-083  
Longitude: 91° 30.00' W

Probe Type: T-7  
Date: 1-Sep-1993

Time: 1548

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.06	310.00	10.27
10.00	29.99	320.00	9.99
20.00	30.00	330.00	9.84
30.00	29.54	340.00	9.57
40.00	27.33	350.00	9.49
50.00	24.37	360.00	9.41
60.00	22.77		
70.00	21.72		
80.00	20.69		
90.00	19.45		
100.00	18.79		
110.00	18.09		
120.00	17.39		
130.00	16.97		
140.00	16.53		
150.00	15.87		
160.00	15.34		
170.00	14.48		
180.00	14.01		
190.00	13.63		
200.00	13.32		
210.00	12.90		
220.00	12.60		
230.00	12.12		
240.00	11.99		
250.00	11.71		
260.00	11.49		
270.00	11.26		
280.00	11.04		
290.00	10.79		
300.00	10.49		

Cruise: GULFCET 06  
Latitude: 27° 52.00' N

Station: 08-084  
Longitude: 91° 30.00' W

Probe Type: T-7  
Date: 1-Sep-1993

Time: 1531

Depth (m)	Temp. (°C)
0.00	29.92
10.00	29.90
20.00	29.94
30.00	29.59
40.00	26.86
50.00	23.68
60.00	22.40
70.00	21.17
80.00	20.41
90.00	19.43
100.00	18.69
110.00	18.19
120.00	17.54
130.00	16.97
140.00	16.44
150.00	15.31
160.00	14.65
170.00	14.11
180.00	13.69
190.00	13.36
200.00	13.18
210.00	13.10
220.00	12.89
230.00	12.83
240.00	12.51
250.00	12.23

Cruise: GULFCET 06  
Latitude: 27° 52.99' N

Station: 08-085  
Longitude: 91° 29.94' W

Probe Type: T-10  
Date: 1-Sep-1993 Time: 1525

Depth (m)	Temp. (°C)
0.00	29.84
10.00	29.86
20.00	29.90
30.00	29.49
40.00	26.64
50.00	23.86
60.00	22.59
70.00	21.16
80.00	20.33
90.00	19.53
100.00	18.85
110.00	18.04
120.00	17.25
130.00	16.84
140.00	16.55
150.00	15.45
160.00	14.72
170.00	14.31
180.00	13.84
190.00	13.57
200.00	13.50

Cruise: GULFCET 06  
Latitude: 26° 59.98' N

Station: 08-B05  
Longitude: 91° 30.00' W

Probe Type: T-7  
Date: 1-Sep-1993 Time: 2327

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.87	310.00	11.35	610.00	6.58
10.00	29.86	320.00	11.03	620.00	6.49
20.00	29.85	330.00	10.77	630.00	6.41
30.00	29.76	340.00	10.63	640.00	6.38
40.00	28.52	350.00	10.48	650.00	6.35
50.00	25.56	360.00	10.25	660.00	6.25
60.00	24.04	370.00	9.93	670.00	6.18
70.00	22.79	380.00	9.67	680.00	6.10
80.00	21.77	390.00	9.46	690.00	6.01
90.00	20.50	400.00	9.24	700.00	5.92
100.00	19.67	410.00	9.04	710.00	5.88
110.00	19.12	420.00	8.87	720.00	5.85
120.00	18.49	430.00	8.68	730.00	5.81
130.00	17.67	440.00	8.56	740.00	5.75
140.00	16.81	450.00	8.51	750.00	5.67
150.00	16.43	460.00	8.22	760.00	5.63
160.00	16.02	470.00	8.07	770.00	5.59
170.00	15.70	480.00	7.90	780.00	5.53
180.00	15.36	490.00	7.82	790.00	5.47
190.00	14.90	500.00	7.72	800.00	5.42
200.00	14.52	510.00	7.61	810.00	5.38
210.00	14.21	520.00	7.48	820.00	5.34
220.00	13.94	530.00	7.35		
230.00	13.62	540.00	7.21		
240.00	13.24	550.00	7.14		
250.00	13.00	560.00	7.08		
260.00	12.72	570.00	6.96		
270.00	12.48	580.00	6.85		
280.00	12.20	590.00	6.75		
290.00	11.85	600.00	6.69		
300.00	11.64				



**Cruise:** GULFCET 06  
**Latitude:** 28° 02.52' N

**Station:** 09-088  
**Longitude:** 90° 50.06' W

**Probe Type:** T-10  
**Date:** 1-Sep-1993  
**Time:** 0840

Depth (m)	Temp. (°C)
0.00	29.55
10.00	30.02
20.00	29.96
30.00	29.86
40.00	27.90
50.00	24.28
60.00	23.15
70.00	21.30
80.00	20.51
90.00	19.70
100.00	19.23
110.00	18.07
120.00	17.40
130.00	17.01
140.00	16.54
150.00	15.90
160.00	15.26
170.00	15.10
180.00	14.90
190.00	14.48

**Cruise:** GULFCET 06  
**Latitude:** 28° 00.00' N

**Station:** 09-089  
**Longitude:** 90° 50.00' W

**Probe Type:** T-7  
**Date:** 1-Sep-1993  
**Time:** 0723

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.66	310.00	9.75
10.00	30.05	320.00	9.61
20.00	30.04		
30.00	29.79		
40.00	28.21		
50.00	25.06		
60.00	22.28		
70.00	21.16		
80.00	20.19		
90.00	19.53		
100.00	18.76		
110.00	18.04		
120.00	17.50		
130.00	16.89		
140.00	16.51		
150.00	16.13		
160.00	15.43		
170.00	14.65		
180.00	14.20		
190.00	13.79		
200.00	13.57		
210.00	13.38		
220.00	13.12		
230.00	12.61		
240.00	12.33		
250.00	11.99		
260.00	11.37		
270.00	10.73		
280.00	10.50		
290.00	10.22		
300.00	9.99		

Cruise: GULFCET 06  
Latitude: 27° 52.00' N

Station: 09-090  
Longitude: 90° 49.99' W

Probe Type: T-7  
Date: 1-Sep-1993

Time: 0614

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.07	310.00	10.45
10.00	30.07	320.00	10.13
20.00	30.07	330.00	9.96
30.00	29.47	340.00	9.71
40.00	27.94	350.00	9.60
50.00	25.64	360.00	9.48
60.00	23.77	370.00	9.32
70.00	21.73	380.00	9.03
80.00	20.73	390.00	8.72
90.00	19.52	400.00	8.51
100.00	19.14	410.00	8.41
110.00	18.29	420.00	8.40
120.00	17.58		
130.00	16.70		
140.00	16.03		
150.00	15.50		
160.00	15.19		
170.00	14.72		
180.00	14.49		
190.00	14.08		
200.00	13.69		
210.00	13.20		
220.00	12.85		
230.00	12.51		
240.00	12.32		
250.00	12.04		
260.00	11.71		
270.00	11.41		
280.00	11.14		
290.00	10.85		
300.00	10.59		

Cruise: GULFCET 06  
Latitude: 27° 39.49' N

Station: 09-092  
Longitude: 90° 50.08' W

Probe Type: T-7  
Date: 1-Sep-1993

Time: 0425

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.91	310.00	10.96	610.00	6.63
10.00	29.91	320.00	10.66	620.00	6.56
20.00	29.92	330.00	10.40	630.00	6.50
30.00	29.05	340.00	10.15	640.00	6.43
40.00	26.67	350.00	9.89	650.00	6.35
50.00	24.59	360.00	9.68	660.00	6.32
60.00	22.85	370.00	9.43	670.00	6.19
70.00	21.67	380.00	9.26	680.00	6.17
80.00	20.27	390.00	9.12	690.00	6.14
90.00	19.43	400.00	8.96	700.00	6.11
100.00	18.81	410.00	8.76	710.00	6.06
110.00	17.92	420.00	8.57	720.00	6.03
120.00	17.47	430.00	8.54	730.00	5.98
130.00	16.83	440.00	8.57	740.00	5.88
140.00	16.17	450.00	8.43	750.00	5.80
150.00	15.64	460.00	8.21	760.00	5.72
160.00	15.23	470.00	8.03	770.00	5.69
170.00	14.74	480.00	7.88	780.00	5.67
180.00	14.37	490.00	7.77	790.00	5.63
190.00	14.09	500.00	7.68	800.00	5.55
200.00	13.68	510.00	7.58	810.00	5.49
210.00	13.40	520.00	7.47	820.00	5.46
220.00	13.10	530.00	7.30		
230.00	12.94	540.00	7.24		
240.00	12.70	550.00	7.13		
250.00	12.38	560.00	7.04		
260.00	12.12	570.00	6.91		
270.00	11.86	580.00	6.84		
280.00	11.65	590.00	6.75		
290.00	11.46	600.00	6.69		
300.00	11.15				

Cruise: GULFCET 06  
Latitude: 27° 16.00' N

Station: 09-094  
Longitude: 90° 49.98' W

Probe Type: T-20  
Date: 1-Sep-1993 Time: 0014

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.02	310.00	11.26	610.00	6.66	910.00	5.02
10.00	30.01	320.00	11.11	620.00	6.56	920.00	4.99
20.00	29.93	330.00	10.92	630.00	6.50	930.00	4.95
30.00	29.75	340.00	10.73	640.00	6.44	940.00	4.92
40.00	28.54	350.00	10.51	650.00	6.34	950.00	4.88
50.00	25.79	360.00	10.33	660.00	6.31	960.00	4.82
60.00	23.52	370.00	10.17	670.00	6.24	970.00	4.78
70.00	22.37	380.00	9.98	680.00	6.19	980.00	4.77
80.00	21.45	390.00	9.77	690.00	6.12	990.00	4.74
90.00	21.01	400.00	9.36	700.00	6.04		
100.00	19.51	410.00	9.22	710.00	6.02		
110.00	18.74	420.00	9.03	720.00	5.94		
120.00	18.05	430.00	8.87	730.00	5.92		
130.00	17.33	440.00	8.70	740.00	5.85		
140.00	16.59	450.00	8.51	750.00	5.81		
150.00	16.24	460.00	8.36	760.00	5.76		
160.00	15.82	470.00	8.23	770.00	5.71		
170.00	15.47	480.00	8.02	780.00	5.66		
180.00	15.01	490.00	7.98	790.00	5.57		
190.00	14.70	500.00	7.91	800.00	5.55		
200.00	14.37	510.00	7.77	810.00	5.50		
210.00	14.09	520.00	7.71	820.00	5.48		
220.00	13.69	530.00	7.58	830.00	5.42		
230.00	13.37	540.00	7.49	840.00	5.39		
240.00	13.09	550.00	7.42	850.00	5.31		
250.00	12.62	560.00	7.25	860.00	5.27		
260.00	12.32	570.00	7.08	870.00	5.22		
270.00	12.00	580.00	6.99	880.00	5.19		
280.00	11.82	590.00	6.89	890.00	5.10		
290.00	11.66	600.00	6.76	900.00	5.06		
300.00	11.56						

Cruise: GULFCET 06  
Latitude: 26° 59.96' N

Station: 09-B04  
Longitude: 90° 50.05' W

Probe Type: T-7  
Date: 31-Aug-1993 Time: 2202

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.94	310.00	11.42	610.00	6.83
10.00	29.98	320.00	11.27	620.00	6.74
20.00	29.90	330.00	10.95	630.00	6.63
30.00	29.73	340.00	10.70	640.00	6.52
40.00	28.34	350.00	10.57	650.00	6.44
50.00	26.05	360.00	10.41	660.00	6.29
60.00	24.58	370.00	10.13	670.00	6.25
70.00	24.00	380.00	9.97	680.00	6.13
80.00	22.63	390.00	9.81	690.00	6.08
90.00	21.61	400.00	9.70	700.00	6.03
100.00	20.67	410.00	9.46	710.00	5.89
110.00	20.22	420.00	9.27	720.00	5.86
120.00	19.02	430.00	9.15	730.00	5.82
130.00	18.37	440.00	8.98	740.00	5.73
140.00	17.78	450.00	8.82	750.00	5.66
150.00	17.04	460.00	8.62	760.00	5.64
160.00	16.64	470.00	8.44	770.00	5.61
170.00	16.35	480.00	8.34	780.00	5.59
180.00	16.18	490.00	8.23	790.00	5.54
190.00	15.86	500.00	8.08	800.00	5.47
200.00	15.49	510.00	7.96	810.00	5.41
210.00	15.14	520.00	7.83	820.00	5.37
220.00	14.85	530.00	7.66		
230.00	14.43	540.00	7.54		
240.00	13.96	550.00	7.44		
250.00	13.63	560.00	7.35		
260.00	13.18	570.00	7.24		
270.00	12.75	580.00	7.09		
280.00	12.36	590.00	7.04		
290.00	12.05	600.00	6.93		
300.00	11.79				

Cruise: GULFCET 06  
Latitude: 28° 49.43' N

Station: 09-EX6  
Longitude: 90° 47.27' W

Probe Type: T-7  
Date: 31-Aug-1993 Time: 1800

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.11	310.00	11.91	610.00	6.97
10.00	29.96	320.00	11.71	620.00	6.76
20.00	29.80	330.00	11.43	630.00	6.64
30.00	29.80	340.00	11.22	640.00	6.54
40.00	29.24	350.00	10.91	650.00	6.46
50.00	27.74	360.00	10.73	660.00	6.31
60.00	25.70	370.00	10.52	670.00	6.19
70.00	24.37	380.00	10.21	680.00	6.15
80.00	23.11	390.00	10.01	690.00	6.09
90.00	22.06	400.00	9.85	700.00	6.02
100.00	21.30	410.00	9.75	710.00	5.99
110.00	20.40	420.00	9.54	720.00	5.93
120.00	19.34	430.00	9.34	730.00	5.89
130.00	18.30	440.00	9.15	740.00	5.83
140.00	18.16	450.00	8.97	750.00	5.81
150.00	17.93	460.00	8.82	760.00	5.77
160.00	17.15	470.00	8.77	770.00	5.71
170.00	16.54	480.00	8.60	780.00	5.68
180.00	15.99	490.00	8.49	790.00	5.65
190.00	15.59	500.00	8.38	800.00	5.60
200.00	15.34	510.00	8.25	810.00	5.53
210.00	14.88	520.00	8.14	820.00	5.48
220.00	14.59	530.00	7.93		
230.00	14.24	540.00	7.82		
240.00	13.88	550.00	7.69		
250.00	13.56	560.00	7.54		
260.00	13.22	570.00	7.45		
270.00	12.89	580.00	7.38		
280.00	12.59	590.00	7.18		
290.00	12.27	600.00	7.09		
300.00	12.12				

Cruise: GULFCET 06  
Latitude: 27° 11.48' N

Station: 10-098  
Longitude: 90° 10.03' W

Probe Type: T-7  
Date: 31-Aug-1993 Time: 1325

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.19	310.00	10.58	610.00	6.35
10.00	30.02	320.00	10.34	620.00	6.30
20.00	29.88	330.00	10.23	630.00	6.21
30.00	28.49	340.00	9.99	640.00	6.13
40.00	25.99	350.00	9.70	650.00	6.06
50.00	23.68	360.00	9.56	660.00	6.02
60.00	21.92	370.00	9.41	670.00	5.93
70.00	21.04	380.00	9.28	680.00	5.89
80.00	19.67	390.00	9.05	690.00	5.85
90.00	18.47	400.00	8.88	700.00	5.78
100.00	17.85	410.00	8.71	710.00	5.72
110.00	17.57	420.00	8.48	720.00	5.67
120.00	16.99	430.00	8.38	730.00	5.65
130.00	16.52	440.00	8.23	740.00	5.62
140.00	15.99	450.00	8.11	750.00	5.55
150.00	15.58	460.00	7.98	760.00	5.50
160.00	15.12	470.00	7.94	770.00	5.46
170.00	14.80	480.00	7.79	780.00	5.42
180.00	14.32	490.00	7.66	790.00	5.38
190.00	13.86	500.00	7.60	800.00	5.34
200.00	13.48	510.00	7.48	810.00	5.32
210.00	13.18	520.00	7.34	820.00	5.26
220.00	12.87	530.00	7.11		
230.00	12.70	540.00	7.00		
240.00	12.32	550.00	6.87		
250.00	11.97	560.00	6.78		
260.00	11.84	570.00	6.72		
270.00	11.45	580.00	6.64		
280.00	11.19	590.00	6.51		
290.00	11.03	600.00	6.47		
300.00	10.81				

Cruise: GULFCET 06  
Latitude: 27° 40.00' N

Station: 10-099  
Longitude: 90° 10.00' W

Probe Type: T-20  
Date: 31-Aug-1993 Time: 0930

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.81	310.00	11.45	610.00	7.01	910.00	5.20
10.00	29.66	320.00	11.17	620.00	6.89	920.00	5.15
20.00	28.89	330.00	11.04	630.00	6.84	930.00	5.12
30.00	26.44	340.00	10.85	640.00	6.78	940.00	5.11
40.00	25.54	350.00	10.52	650.00	6.68		
50.00	23.92	360.00	10.29	660.00	6.55		
60.00	22.94	370.00	10.19	670.00	6.48		
70.00	22.66	380.00	10.10	680.00	6.41		
80.00	21.16	390.00	9.92	690.00	6.32		
90.00	19.93	400.00	9.89	700.00	6.24		
100.00	19.56	410.00	9.75	710.00	6.17		
110.00	19.03	420.00	9.50	720.00	6.08		
120.00	18.24	430.00	9.37	730.00	6.02		
130.00	17.85	440.00	9.24	740.00	5.92		
140.00	17.13	450.00	9.07	750.00	5.88		
150.00	16.81	460.00	8.87	760.00	5.87		
160.00	16.31	470.00	8.73	770.00	5.84		
170.00	16.09	480.00	8.62	780.00	5.83		
180.00	15.59	490.00	8.51	790.00	5.75		
190.00	15.17	500.00	8.35	800.00	5.72		
200.00	14.79	510.00	8.17	810.00	5.66		
210.00	14.49	520.00	8.04	820.00	5.64		
220.00	14.15	530.00	7.91	830.00	5.62		
230.00	13.87	540.00	7.74	840.00	5.58		
240.00	13.62	550.00	7.63	850.00	5.56		
250.00	13.27	560.00	7.50	860.00	5.50		
260.00	12.83	570.00	7.38	870.00	5.32		
270.00	12.56	580.00	7.31	880.00	5.30		
280.00	12.05	590.00	7.24	890.00	5.24		
290.00	11.77	600.00	7.16	900.00	5.21		
300.00	11.57						

Cruise: GULFCET 06  
Latitude: 27° 50.00' N

Station: 10-101  
Longitude: 90° 09.95' W

Probe Type: T-7  
Date: 31-Aug-1993 Time: 0712

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.78	310.00	11.10
10.00	29.78	320.00	10.85
20.00	29.60	330.00	10.63
30.00	28.24	340.00	10.43
40.00	26.03	350.00	10.20
50.00	24.90	360.00	9.95
60.00	23.57	370.00	9.80
70.00	22.54	380.00	9.56
80.00	21.07	390.00	9.48
90.00	20.10	400.00	9.28
100.00	19.40	410.00	9.16
110.00	18.32	420.00	8.99
120.00	17.84	430.00	8.91
130.00	17.31	440.00	8.67
140.00	16.92	450.00	8.41
150.00	16.30	460.00	8.19
160.00	15.65	470.00	8.05
170.00	15.16	480.00	7.89
180.00	14.79	490.00	7.69
190.00	14.50	500.00	7.56
200.00	13.99	510.00	7.49
210.00	13.58	520.00	7.30
220.00	13.28	530.00	7.15
230.00	13.03	540.00	7.07
240.00	12.70	550.00	7.01
250.00	12.56	560.00	6.97
260.00	12.37	570.00	6.86
270.00	12.04		
280.00	11.80		
290.00	11.56		
300.00	11.36		

**Cruise:** GULFCET 06  
**Latitude:** 28° 02.09' N

**Station:** 10-102  
**Longitude:** 90° 10.06' W

**Probe Type:** T-7  
**Date:** 31-Aug-1993 **Time:** 0534

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.81	310.00	10.81
10.00	29.86	320.00	10.60
20.00	29.86	330.00	10.32
30.00	29.36	340.00	10.08
40.00	26.81	350.00	9.83
50.00	25.05	360.00	9.64
60.00	23.38	370.00	9.36
70.00	22.21	380.00	9.24
80.00	21.23	390.00	9.12
90.00	20.20	400.00	8.94
100.00	19.72	410.00	8.69
110.00	18.91	420.00	8.48
120.00	17.96	430.00	7.97
130.00	17.33	440.00	7.91
140.00	16.77	450.00	7.77
150.00	16.33	460.00	7.61
160.00	15.71	470.00	7.54
170.00	15.09	480.00	7.39
180.00	14.62		
190.00	14.28		
200.00	13.72		
210.00	13.39		
220.00	12.85		
230.00	12.48		
240.00	12.31		
250.00	12.07		
260.00	11.76		
270.00	11.65		
280.00	11.47		
290.00	11.19		
300.00	11.00		

**Cruise:** GULFCET 06  
**Latitude:** 28° 04.00' N

**Station:** 10-103  
**Longitude:** 90° 10.00' W

**Probe Type:** T-7  
**Date:** 31-Aug-1993 **Time:** 0519

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.83	310.00	10.48
10.00	29.87	320.00	10.19
20.00	29.88	330.00	9.97
30.00	29.55	340.00	9.81
40.00	27.42	350.00	9.74
50.00	24.98	360.00	9.64
60.00	23.48		
70.00	22.55		
80.00	21.35		
90.00	20.45		
100.00	19.83		
110.00	18.97		
120.00	17.96		
130.00	17.13		
140.00	16.52		
150.00	16.14		
160.00	15.70		
170.00	15.31		
180.00	14.93		
190.00	14.36		
200.00	13.84		
210.00	13.35		
220.00	13.07		
230.00	12.77		
240.00	12.36		
250.00	12.05		
260.00	11.76		
270.00	11.54		
280.00	11.42		
290.00	11.18		
300.00	10.93		

Cruise: GULFCET 06  
Latitude: 28° 09.50' N

Station: 10-104  
Longitude: 90° 10.00' W

Probe Type: T-10  
Date: 31-Aug-1993 Time: 0431

Depth (m)	Temp. (°C)
0.00	29.81
10.00	29.94
20.00	29.96
30.00	29.70
40.00	28.08
50.00	25.16
60.00	22.77
70.00	21.78
80.00	21.48
90.00	20.52
100.00	19.66
110.00	18.99
120.00	18.56
130.00	17.76
140.00	17.19
150.00	16.39
160.00	15.94
170.00	15.70
180.00	14.99

Cruise: GULFCET 06  
Latitude: 27° 26.05' N

Station: 10-B03  
Longitude: 90° 09.88' W

Probe Type: T-7  
Date: 31-Aug-1993 Time: 1127

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.90	310.00	11.08	610.00	6.64
10.00	29.72	320.00	10.89	620.00	6.52
20.00	28.78	330.00	10.68	630.00	6.49
30.00	26.85	340.00	10.37	640.00	6.41
40.00	25.57	350.00	10.01	650.00	6.36
50.00	23.66	360.00	9.81	660.00	6.29
60.00	21.92	370.00	9.71	670.00	6.22
70.00	21.08	380.00	9.61	680.00	6.15
80.00	20.05	390.00	9.42	690.00	6.10
90.00	19.37	400.00	9.25	700.00	6.03
100.00	18.78	410.00	9.18	710.00	5.97
110.00	18.15	420.00	9.20	720.00	5.91
120.00	17.67	430.00	9.09	730.00	5.86
130.00	17.07	440.00	8.77	740.00	5.77
140.00	16.50	450.00	8.42	750.00	5.70
150.00	16.32	460.00	8.25	760.00	5.69
160.00	15.85	470.00	8.14	770.00	5.63
170.00	15.57	480.00	8.04	780.00	5.61
180.00	15.19	490.00	7.98	790.00	5.55
190.00	14.87	500.00	7.86		
200.00	14.55	510.00	7.75		
210.00	14.06	520.00	7.67		
220.00	13.85	530.00	7.54		
230.00	13.50	540.00	7.43		
240.00	13.07	550.00	7.32		
250.00	12.71	560.00	7.17		
260.00	12.35	570.00	7.02		
270.00	12.07	580.00	6.90		
280.00	11.72	590.00	6.81		
290.00	11.43	600.00	6.67		
300.00	11.25				

**Cruise:** GULFCET 06      **Station:** 11-107      **Probe Type:** T-10  
**Latitude:** 28° 36.00' N      **Longitude:** 89° 30.04' W      **Date:** 30-Aug-1993      **Time:** 2040

Depth (m)	Temp. (°C)
0.00	29.78
10.00	30.26
20.00	30.17
30.00	29.85
40.00	27.91
50.00	23.51
60.00	22.24
70.00	21.16
80.00	20.09
90.00	19.06
100.00	17.89
110.00	16.82
120.00	15.67
130.00	14.99

**Cruise:** GULFCET 06      **Station:** 11-108      **Probe Type:** T-7  
**Latitude:** 28° 32.10' N      **Longitude:** 89° 30.01' W      **Date:** 30-Aug-1993      **Time:** 2008

Depth (m)	Temp. (°C)
0.00	29.60
10.00	30.01
20.00	29.99
30.00	29.71
40.00	28.26
50.00	25.06
60.00	23.80
70.00	21.83
80.00	20.68
90.00	20.25
100.00	19.61
110.00	18.50
120.00	16.43
130.00	15.55
140.00	14.74
150.00	14.14
160.00	13.84
170.00	13.37
180.00	13.13
190.00	12.91
200.00	12.50
210.00	11.99
220.00	11.75
230.00	11.54
240.00	11.15
250.00	10.82
260.00	10.60
270.00	10.38
280.00	10.36
290.00	10.18
300.00	9.95



Cruise: GULFCET 06  
Latitude: 28° 28.31' N

Station: 11-109  
Longitude: 89° 30.25' W

Probe Type: T-7  
Date: 30-Aug-1993 Time: 1937

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.83	310.00	9.79
10.00	29.89	320.00	9.68
20.00	29.90	330.00	9.52
30.00	29.04	340.00	9.34
40.00	27.39	350.00	9.13
50.00	25.04	360.00	9.00
60.00	23.77	370.00	8.88
70.00	22.52	380.00	8.63
80.00	21.69	390.00	8.41
90.00	21.14	400.00	8.25
100.00	19.99	410.00	8.07
110.00	19.48	420.00	7.87
120.00	18.80	430.00	7.80
130.00	17.86	440.00	7.68
140.00	16.65	450.00	7.60
150.00	15.70	460.00	7.57
160.00	14.92	470.00	7.54
170.00	14.34	480.00	7.47
180.00	13.68	490.00	7.21
190.00	13.13	500.00	7.13
200.00	12.95	510.00	7.01
210.00	12.70		
220.00	12.37		
230.00	12.11		
240.00	11.93		
250.00	11.58		
260.00	11.23		
270.00	10.99		
280.00	10.73		
290.00	10.37		
300.00	10.03		

Cruise: GULFCET 06  
Latitude: 28° 21.99' N

Station: 11-110  
Longitude: 89° 30.27' W

Probe Type: T-7  
Date: 30-Aug-1993 Time: 1839

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.98	310.00	11.24	610.00	6.55
10.00	29.56	320.00	10.98	620.00	6.47
20.00	29.09	330.00	10.90	630.00	6.37
30.00	27.69	340.00	10.67	640.00	6.33
40.00	26.99	350.00	10.42	650.00	6.20
50.00	26.15	360.00	10.33	660.00	6.10
60.00	25.45	370.00	10.11	670.00	6.03
70.00	24.31	380.00	9.90	680.00	5.94
80.00	23.38	390.00	9.67	690.00	5.92
90.00	22.29	400.00	9.51	700.00	5.91
100.00	21.58	410.00	9.31	710.00	5.88
110.00	20.58	420.00	9.16	720.00	5.85
120.00	19.58	430.00	8.98	730.00	5.73
130.00	18.82	440.00	8.85		
140.00	18.16	450.00	8.70		
150.00	17.59	460.00	8.42		
160.00	16.81	470.00	8.22		
170.00	16.35	480.00	8.19		
180.00	15.92	490.00	7.98		
190.00	15.37	500.00	7.73		
200.00	14.83	510.00	7.58		
210.00	14.61	520.00	7.51		
220.00	14.25	530.00	7.39		
230.00	13.92	540.00	7.31		
240.00	13.41	550.00	7.20		
250.00	13.04	560.00	6.97		
260.00	12.77	570.00	6.84		
270.00	12.37	580.00	6.75		
280.00	12.09	590.00	6.69		
290.00	11.81	600.00	6.63		
300.00	11.48				

Cruise: GULFCET 06  
Latitude: 28° 15.11' N

Station: 11-111  
Longitude: 89° 29.95' W

Probe Type: T-20  
Date: 30-Aug-1993 Time: 1740

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.18	310.00	12.16	610.00	6.79
10.00	29.70	320.00	11.92	620.00	6.64
20.00	29.14	330.00	11.64	630.00	6.35
30.00	28.40	340.00	11.46	640.00	6.31
40.00	27.98	350.00	11.30	650.00	6.23
50.00	27.34	360.00	10.87	660.00	6.18
60.00	25.96	370.00	10.50	670.00	5.99
70.00	24.96	380.00	10.18	680.00	5.86
80.00	23.81	390.00	10.09	690.00	5.79
90.00	23.62	400.00	9.99	700.00	5.71
100.00	21.68	410.00	9.86	710.00	5.65
110.00	20.83	420.00	9.59	720.00	5.60
120.00	19.84	430.00	9.42	730.00	5.56
130.00	18.97	440.00	9.19	740.00	5.50
140.00	18.09	450.00	9.03	750.00	5.45
150.00	17.74	460.00	8.86	760.00	5.42
160.00	16.84	470.00	8.53	770.00	5.39
170.00	16.55	480.00	8.33	780.00	5.35
180.00	15.97	490.00	8.22	790.00	5.33
190.00	15.71	500.00	8.13	800.00	5.30
200.00	15.27	510.00	7.96	810.00	5.27
210.00	14.90	520.00	7.87	820.00	5.23
220.00	14.69	530.00	7.68	830.00	5.21
230.00	14.28	540.00	7.55	840.00	5.17
240.00	13.85	550.00	7.43	850.00	5.14
250.00	13.54	560.00	7.36	860.00	5.08
260.00	13.14	570.00	7.19	870.00	5.05
270.00	13.02	580.00	7.10	880.00	5.04
280.00	12.69	590.00	7.04	890.00	5.00
290.00	12.50	600.00	6.90	900.00	4.97
300.00	12.40				

Cruise: GULFCET 06  
Latitude: 27° 37.99' N

Station: 11-113  
Longitude: 89° 29.88' W

Probe Type: T-20  
Date: 30-Aug-1993 Time: 1042

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.79	310.00	15.01	610.00	7.91	910.00	5.33
10.00	29.66	320.00	14.71	620.00	7.69	920.00	5.28
20.00	29.65	330.00	14.41	630.00	7.46	930.00	5.27
30.00	29.14	340.00	14.14	640.00	7.30	940.00	5.22
40.00	28.57	350.00	13.74	650.00	7.16	950.00	5.19
50.00	28.08	360.00	13.42	660.00	7.03	960.00	5.15
60.00	27.40	370.00	13.13	670.00	6.92	970.00	5.10
70.00	26.93	380.00	12.89	680.00	6.84	980.00	5.07
80.00	26.12	390.00	12.59	690.00	6.77	990.00	5.04
90.00	25.10	400.00	12.34	700.00	6.70		
100.00	24.54	410.00	12.03	710.00	6.63		
110.00	23.86	420.00	11.74	720.00	6.52		
120.00	22.96	430.00	11.43	730.00	6.47		
130.00	22.18	440.00	11.12	740.00	6.29		
140.00	21.29	450.00	10.80	750.00	6.20		
150.00	20.56	460.00	10.57	760.00	6.12		
160.00	19.97	470.00	10.12	770.00	6.05		
170.00	19.52	480.00	9.81	780.00	6.02		
180.00	19.21	490.00	9.53	790.00	5.96		
190.00	18.79	500.00	9.24	800.00	5.90		
200.00	18.50	510.00	9.12	810.00	5.84		
210.00	18.17	520.00	9.02	820.00	5.77		
220.00	17.79	530.00	8.93	830.00	5.74		
230.00	17.43	540.00	8.88	840.00	5.70		
240.00	17.14	550.00	8.83	850.00	5.62		
250.00	16.80	560.00	8.71	860.00	5.59		
260.00	16.60	570.00	8.49	870.00	5.53		
270.00	16.50	580.00	8.39	880.00	5.47		
280.00	16.22	590.00	8.26	890.00	5.40		
290.00	15.77	600.00	8.06	900.00	5.37		
300.00	15.51						

**Cruise:** GULFCET 06  
**Latitude:** 27° 51.86' N

**Station:** 11-B02  
**Longitude:** 89° 30.06' W

**Probe Type:** T-7  
**Date:** 30-Aug-1993 **Time:** 1321

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.61	310.00	14.37
10.00	29.56	320.00	13.99
20.00	29.56	330.00	13.74
30.00	28.78	340.00	13.45
40.00	28.52	350.00	13.19
50.00	27.96	360.00	12.97
60.00	27.18	370.00	12.70
70.00	26.68	380.00	12.34
80.00	25.49	390.00	11.89
90.00	25.00	400.00	11.56
100.00	23.96	410.00	11.25
110.00	23.00	420.00	11.06
120.00	22.39	430.00	10.70
130.00	21.36	440.00	10.52
140.00	20.71		
150.00	20.26		
160.00	19.79		
170.00	19.29		
180.00	18.85		
190.00	18.43		
200.00	18.07		
210.00	17.72		
220.00	17.14		
230.00	16.89		
240.00	16.56		
250.00	16.30		
260.00	16.13		
270.00	15.93		
280.00	15.28		
290.00	14.96		
300.00	14.62		

**Cruise:** GULFCET 06  
**Latitude:** 29° 17.31' N

**Station:** 11-EX3  
**Longitude:** 89° 29.99' W

**Probe Type:** T-7  
**Date:** 31-Aug-1993 **Time:** 1759

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.87	310.00	11.86	610.00	6.60
10.00	29.66	320.00	11.56	620.00	6.48
20.00	29.02	330.00	11.38	630.00	6.43
30.00	28.79	340.00	11.01	640.00	6.27
40.00	27.87	350.00	10.80	650.00	6.17
50.00	26.69	360.00	10.58	660.00	6.11
60.00	26.03	370.00	10.42	670.00	6.01
70.00	24.83	380.00	10.29	680.00	5.92
80.00	23.37	390.00	10.00	690.00	5.83
90.00	22.19	400.00	9.80	700.00	5.76
100.00	21.61	410.00	9.58	710.00	5.73
110.00	20.70	420.00	9.39	720.00	5.67
120.00	19.82	430.00	9.23	730.00	5.63
130.00	18.46	440.00	9.01	740.00	5.58
140.00	18.00	450.00	8.89	750.00	5.55
150.00	17.45	460.00	8.61	760.00	5.53
160.00	16.66	470.00	8.40	770.00	5.52
170.00	16.20	480.00	8.30	780.00	5.46
180.00	15.94	490.00	8.13	790.00	5.42
190.00	15.56	500.00	7.97	800.00	5.36
200.00	15.21	510.00	7.78	810.00	5.31
210.00	14.90	520.00	7.63	820.00	5.24
220.00	14.47	530.00	7.50		
230.00	14.08	540.00	7.44		
240.00	13.82	550.00	7.41		
250.00	13.60	560.00	7.31		
260.00	13.32	570.00	7.10		
270.00	13.01	580.00	7.02		
280.00	12.70	590.00	6.81		
290.00	12.44	600.00	6.68		
300.00	12.22				

Cruise: GULFCET 06  
Latitude: 28° 14.41' N

Station: 12-118  
Longitude: 88° 50.12' W

Probe Type: T-20  
Date: 29-Aug-1993 Time: 1953

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.36	310.00	12.06	610.00	6.77	910.00	5.17
10.00	29.84	320.00	11.81	620.00	6.64	920.00	5.13
20.00	29.47	330.00	11.69	630.00	6.57	930.00	5.14
30.00	28.95	340.00	11.43	640.00	6.50	940.00	5.11
40.00	28.29	350.00	11.42	650.00	6.43	950.00	5.06
50.00	27.77	360.00	11.05	660.00	6.40	960.00	5.03
60.00	26.95	370.00	10.86	670.00	6.34		
70.00	25.89	380.00	10.76	680.00	6.28		
80.00	24.92	390.00	10.53	690.00	6.20		
90.00	24.30	400.00	10.27	700.00	6.15		
100.00	23.28	410.00	10.12	710.00	6.09		
110.00	22.12	420.00	9.98	720.00	6.03		
120.00	21.29	430.00	9.78	730.00	5.98		
130.00	20.43	440.00	9.65	740.00	5.93		
140.00	19.63	450.00	9.53	750.00	5.86		
150.00	18.89	460.00	9.33	760.00	5.79		
160.00	18.13	470.00	9.18	770.00	5.75		
170.00	17.61	480.00	9.02	780.00	5.70		
180.00	17.11	490.00	8.83	790.00	5.63		
190.00	16.65	500.00	8.64	800.00	5.57		
200.00	16.16	510.00	8.45	810.00	5.53		
210.00	15.78	520.00	8.25	820.00	5.48		
220.00	15.24	530.00	8.02	830.00	5.43		
230.00	14.81	540.00	7.80	840.00	5.40		
240.00	14.33	550.00	7.61	850.00	5.37		
250.00	13.83	560.00	7.45	860.00	5.33		
260.00	13.51	570.00	7.28	870.00	5.27		
270.00	13.18	580.00	7.13	880.00	5.24		
280.00	12.86	590.00	6.97	890.00	5.22		
290.00	12.60	600.00	6.85	900.00	5.19		
300.00	12.28						

Cruise: GULFCET 06  
Latitude: 28° 43.60' N

Station: 12-120  
Longitude: 88° 50.00' W

Probe Type: T-20  
Date: 29-Aug-1993 Time: 1414

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.70	310.00	10.37
10.00	30.12	320.00	10.22
20.00	29.83	330.00	10.09
30.00	29.75	340.00	9.94
40.00	28.19	350.00	9.80
50.00	24.48	360.00	9.64
60.00	22.77	370.00	9.53
70.00	20.65	380.00	9.40
80.00	20.20	390.00	9.20
90.00	19.46	400.00	9.03
100.00	18.70	410.00	8.80
110.00	18.06	420.00	8.64
120.00	17.21	430.00	8.48
130.00	16.50	440.00	8.36
140.00	16.11		
150.00	15.92		
160.00	15.78		
170.00	15.18		
180.00	14.77		
190.00	14.60		
200.00	14.44		
210.00	13.96		
220.00	13.44		
230.00	12.97		
240.00	12.35		
250.00	11.99		
260.00	11.65		
270.00	11.37		
280.00	11.05		
290.00	10.85		
300.00	10.62		

**Cruise:** GULFCET 06  
**Latitude:** 28° 46.89' N

**Station:** 12-121  
**Longitude:** 88° 49.94' W

**Probe Type:** T-7  
**Date:** 29-Aug-1993 **Time:** 1334

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.22	310.00	10.53
10.00	30.29	320.00	10.30
20.00	29.91	330.00	10.01
30.00	29.42	340.00	9.90
40.00	23.64	350.00	9.80
50.00	22.23	360.00	9.67
60.00	21.07	370.00	9.52
70.00	20.52	380.00	9.24
80.00	19.59	390.00	9.04
90.00	19.10	400.00	9.02
100.00	18.50	410.00	8.79
110.00	17.82	420.00	8.59
120.00	17.42	430.00	8.41
130.00	16.99	440.00	8.34
140.00	16.66	450.00	8.14
150.00	16.08	460.00	8.04
160.00	15.57	470.00	7.97
170.00	15.12	480.00	7.87
180.00	14.59		
190.00	14.28		
200.00	14.01		
210.00	13.50		
220.00	13.14		
230.00	12.97		
240.00	12.59		
250.00	12.14		
260.00	11.60		
270.00	11.18		
280.00	11.01		
290.00	10.80		
300.00	10.59		

**Cruise:** GULFCET 06  
**Latitude:** 28° 53.05' N

**Station:** 12-122  
**Longitude:** 88° 49.98' W

**Probe Type:** T-7  
**Date:** 29-Aug-1993 **Time:** 1244

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	30.17	310.00	10.74
10.00	30.02	320.00	10.50
20.00	29.94	330.00	10.25
30.00	23.49	340.00	9.95
40.00	21.63	350.00	9.83
50.00	21.31	360.00	9.54
60.00	20.50	370.00	9.27
70.00	19.47	380.00	9.20
80.00	18.71	390.00	8.94
90.00	17.92	400.00	8.95
100.00	17.27	410.00	8.95
110.00	16.85	420.00	8.89
120.00	16.30		
130.00	15.74		
140.00	15.18		
150.00	14.82		
160.00	14.62		
170.00	14.26		
180.00	13.92		
190.00	13.66		
200.00	13.45		
210.00	13.17		
220.00	12.93		
230.00	12.73		
240.00	12.43		
250.00	12.08		
260.00	11.90		
270.00	11.63		
280.00	11.39		
290.00	11.16		
300.00	10.97		

Cruise: GULFCET 06  
Latitude: 28° 55.50' N

Station: 12-123  
Longitude: 88° 50.11' W

Probe Type: T-7  
Date: 29-Aug-1993 Time: 1222

Depth (m)	Temp. (°C)
0.00	29.79
10.00	29.79
20.00	27.90
30.00	23.75
40.00	22.26
50.00	21.18
60.00	20.78
70.00	19.77
80.00	18.96
90.00	18.32
100.00	17.31
110.00	16.63
120.00	16.21
130.00	15.89
140.00	15.54
150.00	15.20
160.00	14.98
170.00	14.64
180.00	14.26
190.00	13.92
200.00	13.58
210.00	13.21
220.00	12.97
230.00	12.58
240.00	12.43
250.00	12.14
260.00	11.75
270.00	11.41
280.00	11.14
290.00	10.74
300.00	10.55

Cruise: GULFCET 06  
Latitude: 27° 59.97' N

Station: 12-B01  
Longitude: 88° 50.01' W

Probe Type: T-7  
Date: 29-Aug-1993 Time: 2153

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.87	310.00	13.98	610.00	7.79
10.00	29.69	320.00	13.64	620.00	7.59
20.00	29.45	330.00	13.43	630.00	7.46
30.00	28.98	340.00	13.03	640.00	7.30
40.00	28.55	350.00	12.71	650.00	7.18
50.00	27.78	360.00	12.63	660.00	7.03
60.00	27.18	370.00	12.39	670.00	6.91
70.00	26.65	380.00	12.09	680.00	6.82
80.00	26.29	390.00	11.77	690.00	6.71
90.00	25.95	400.00	11.62	700.00	6.67
100.00	25.38	410.00	11.36	710.00	6.57
110.00	24.17	420.00	11.07	720.00	6.50
120.00	23.52	430.00	10.87	730.00	6.44
130.00	22.86	440.00	10.64	740.00	6.38
140.00	22.23	450.00	10.45	750.00	6.32
150.00	21.52	460.00	10.38	760.00	6.25
160.00	20.36	470.00	10.17	770.00	6.17
170.00	19.52	480.00	9.94	780.00	6.13
180.00	18.67	490.00	9.86	790.00	6.05
190.00	18.39	500.00	9.64	800.00	5.98
200.00	18.09	510.00	9.47	810.00	5.93
210.00	17.16	520.00	9.28	820.00	5.83
220.00	16.64	530.00	9.01		
230.00	16.32	540.00	8.85		
240.00	15.92	550.00	8.67		
250.00	15.63	560.00	8.49		
260.00	15.27	570.00	8.33		
270.00	14.92	580.00	8.13		
280.00	14.63	590.00	8.00		
290.00	14.38	600.00	7.89		
300.00	14.18				

**Cruise:** GULFCET 06  
**Latitude:** 28° 36.85' N

**Station:** 12-EX3  
**Longitude:** 88° 49.94' W

**Probe Type:** T-7  
**Date:** 29-Aug-1993 **Time:** 1512

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.87	310.00	10.95
10.00	29.66	320.00	10.70
20.00	29.29	330.00	10.46
30.00	27.90	340.00	10.31
40.00	26.52	350.00	10.15
50.00	24.32	360.00	9.88
60.00	23.54	370.00	9.67
70.00	22.37	380.00	9.49
80.00	21.16	390.00	9.30
90.00	20.38	400.00	9.17
100.00	20.03	410.00	9.04
110.00	19.38	420.00	8.86
120.00	18.08	430.00	8.63
130.00	17.45	440.00	8.52
140.00	16.77	450.00	8.32
150.00	16.29	460.00	8.16
160.00	15.70	470.00	8.08
170.00	15.34		
180.00	14.95		
190.00	14.68		
200.00	14.33		
210.00	13.96		
220.00	13.57		
230.00	13.28		
240.00	12.86		
250.00	12.62		
260.00	12.36		
270.00	11.97		
280.00	11.67		
290.00	11.41		
300.00	11.17		

**Cruise:** GULFCET 06  
**Latitude:** 29° 13.01' N

**Station:** 13-127  
**Longitude:** 88° 09.93' W

**Probe Type:** T-10  
**Date:** 29-Aug-1993 **Time:** 0529

Depth (m)	Temp. (°C)
0.00	29.44
10.00	29.89
20.00	29.75
30.00	26.49
40.00	23.09
50.00	21.79
60.00	21.10
70.00	20.71
80.00	19.83
90.00	19.27
100.00	18.72
110.00	18.20
120.00	17.74
130.00	16.61
140.00	16.45
150.00	16.18
160.00	16.11
170.00	15.50
180.00	15.34
190.00	15.31
200.00	15.03
210.00	14.75

**Cruise:** GULFCET 06  
**Latitude:** 29° 10.60' N

**Station:** 13-128  
**Longitude:** 88° 10.05' W

**Probe Type:** T-7  
**Date:** 29-Aug-1993 **Time:** 0505

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.48	310.00	10.81
10.00	29.98	320.00	10.73
20.00	29.86	330.00	10.55
30.00	29.44	340.00	10.43
40.00	24.43	350.00	10.37
50.00	22.30		
60.00	21.72		
70.00	20.93		
80.00	20.45		
90.00	19.71		
100.00	19.31		
110.00	18.28		
120.00	17.78		
130.00	17.13		
140.00	16.89		
150.00	16.33		
160.00	15.91		
170.00	15.57		
180.00	15.26		
190.00	14.95		
200.00	14.65		
210.00	14.43		
220.00	14.07		
230.00	13.75		
240.00	13.29		
250.00	12.62		
260.00	12.22		
270.00	11.85		
280.00	11.40		
290.00	11.33		
300.00	11.11		

**Cruise:** GULFCET 06  
**Latitude:** 29° 08.59' N

**Station:** 13-129  
**Longitude:** 88° 09.98' W

**Probe Type:** T-7  
**Date:** 29-Aug-1993 **Time:** 0443

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.33	310.00	11.29
10.00	29.91	320.00	11.12
20.00	29.72	330.00	10.70
30.00	29.72	340.00	10.53
40.00	27.47	350.00	10.32
50.00	23.28	360.00	10.09
60.00	22.03	370.00	9.86
70.00	21.11	380.00	9.73
80.00	20.10	390.00	9.59
90.00	19.70	400.00	9.44
100.00	19.18	410.00	9.29
110.00	18.81	420.00	9.23
120.00	18.10	430.00	9.20
130.00	17.73	440.00	9.19
140.00	17.40	450.00	9.00
150.00	16.93	460.00	8.66
160.00	16.47	470.00	8.25
170.00	16.00	480.00	7.76
180.00	15.49		
190.00	15.18		
200.00	14.99		
210.00	14.60		
220.00	14.24		
230.00	13.93		
240.00	13.45		
250.00	13.16		
260.00	12.90		
270.00	12.67		
280.00	12.42		
290.00	11.88		
300.00	11.48		



Cruise: GULFCET 06  
Latitude: 29° 05.00' N

Station: 13-130  
Longitude: 88° 10.00' W

Probe Type: T-7  
Date: 29-Aug-1993 Time: 0411

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.69	310.00	11.54	610.00	6.24
10.00	30.05	320.00	11.33	620.00	6.18
20.00	29.83	330.00	10.97	630.00	6.07
30.00	29.72	340.00	10.75	640.00	5.97
40.00	26.99	350.00	10.51	650.00	5.89
50.00	22.65	360.00	10.35	660.00	5.80
60.00	21.13	370.00	10.18	670.00	5.73
70.00	20.22	380.00	9.96	680.00	5.66
80.00	19.53	390.00	9.74	690.00	5.60
90.00	19.01	400.00	9.62	700.00	5.58
100.00	18.69	410.00	9.47	710.00	5.52
110.00	18.21	420.00	9.30	720.00	5.52
120.00	17.67	430.00	9.09	730.00	5.51
130.00	17.46	440.00	8.78	740.00	5.43
140.00	16.91	450.00	8.59		
150.00	16.54	460.00	8.45		
160.00	16.27	470.00	8.33		
170.00	15.95	480.00	7.94		
180.00	15.55	490.00	7.72		
190.00	15.25	500.00	7.55		
200.00	14.95	510.00	7.37		
210.00	14.52	520.00	7.16		
220.00	14.28	530.00	6.97		
230.00	13.94	540.00	6.90		
240.00	13.58	550.00	6.83		
250.00	13.31	560.00	6.77		
260.00	12.94	570.00	6.67		
270.00	12.63	580.00	6.50		
280.00	12.40	590.00	6.43		
290.00	12.08	600.00	6.34		
300.00	11.85				

Cruise: GULFCET 06  
Latitude: 29° 03.00' N

Station: 13-131  
Longitude: 88° 10.00' W

Probe Type: T-20  
Date: 29-Aug-1993 Time: 0356

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.74	310.00	12.01	610.00	6.32	910.00	4.95
10.00	30.00	320.00	11.60	620.00	6.24	920.00	4.91
20.00	29.85	330.00	11.28	630.00	6.10		
30.00	29.82	340.00	10.96	640.00	5.97		
40.00	27.52	350.00	10.62	650.00	5.90		
50.00	22.81	360.00	10.48	660.00	5.83		
60.00	21.01	370.00	10.25	670.00	5.76		
70.00	20.61	380.00	10.03	680.00	5.71		
80.00	20.65	390.00	9.86	690.00	5.77		
90.00	20.09	400.00	9.62	700.00	5.62		
100.00	19.90	410.00	9.37	710.00	5.59		
110.00	19.53	420.00	9.19	720.00	5.53		
120.00	18.98	430.00	9.05	730.00	5.49		
130.00	18.74	440.00	8.87	740.00	5.46		
140.00	18.66	450.00	8.55	750.00	5.43		
150.00	18.37	460.00	8.32	760.00	5.37		
160.00	18.08	470.00	8.21	770.00	5.35		
170.00	17.89	480.00	7.97	780.00	5.33		
180.00	17.55	490.00	7.82	790.00	5.28		
190.00	17.38	500.00	7.69	800.00	5.26		
200.00	16.84	510.00	7.49	810.00	5.21		
210.00	16.60	520.00	7.36	820.00	5.17		
220.00	16.69	530.00	7.19	830.00	5.14		
230.00	16.55	540.00	7.10	840.00	5.12		
240.00	16.19	550.00	7.00	850.00	5.10		
250.00	15.66	560.00	6.87	860.00	5.06		
260.00	14.80	570.00	6.72	870.00	5.05		
270.00	14.18	580.00	6.62	880.00	5.06		
280.00	13.47	590.00	6.52	890.00	5.02		
290.00	12.88	600.00	6.39	900.00	4.99		
300.00	12.36						

Cruise: GULFCET 06  
Latitude: 28° 49.00' N

Station: 13-132  
Longitude: 88° 10.00' W

Probe Type: T-7  
Date: 29-Aug-1993 Time: 0200

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.84	310.00	11.38	610.00	6.81
10.00	30.48	320.00	11.22	620.00	6.65
20.00	30.00	330.00	10.96		
30.00	29.13	340.00	10.86		
40.00	27.40	350.00	10.69		
50.00	25.38	360.00	10.44		
60.00	22.94	370.00	10.31		
70.00	21.47	380.00	10.11		
80.00	20.42	390.00	9.97		
90.00	19.46	400.00	9.83		
100.00	18.86	410.00	9.55		
110.00	18.22	420.00	9.28		
120.00	17.72	430.00	9.13		
130.00	17.21	440.00	8.94		
140.00	16.79	450.00	8.86		
150.00	16.37	460.00	8.68		
160.00	16.07	470.00	8.49		
170.00	15.91	480.00	8.36		
180.00	15.62	490.00	8.23		
190.00	15.26	500.00	8.20		
200.00	14.84	510.00	8.03		
210.00	14.53	520.00	7.86		
220.00	14.17	530.00	7.67		
230.00	13.85	540.00	7.53		
240.00	13.64	550.00	7.44		
250.00	13.30	560.00	7.37		
260.00	12.96	570.00	7.23		
270.00	12.69	580.00	7.08		
280.00	12.32	590.00	6.95		
290.00	12.11	600.00	6.89		
300.00	11.66				

Cruise: GULFCET 06  
Latitude: 29° 03.97' N

Station: 14-137  
Longitude: 87° 30.09' W

Probe Type: T-7  
Date: 28-Aug-1993 Time: 1151

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.67	310.00	10.83	610.00	6.75
10.00	30.35	320.00	10.63	620.00	6.65
20.00	30.45	330.00	10.34	630.00	6.54
30.00	29.51	340.00	10.21	640.00	6.48
40.00	26.25	350.00	10.05	650.00	6.39
50.00	23.68	360.00	9.92	660.00	6.33
60.00	22.15	370.00	9.72	670.00	6.27
70.00	21.19	380.00	9.52	680.00	6.20
80.00	20.45	390.00	9.38	690.00	6.13
90.00	19.52	400.00	9.25	700.00	6.08
100.00	18.47	410.00	9.06	710.00	6.01
110.00	17.54	420.00	8.95	720.00	5.97
120.00	16.96	430.00	8.76	730.00	5.89
130.00	16.51	440.00	8.62	740.00	5.81
140.00	15.96	450.00	8.44	750.00	5.75
150.00	15.62	460.00	8.33	760.00	5.71
160.00	15.19	470.00	8.20	770.00	5.66
170.00	14.98	480.00	8.03	780.00	5.62
180.00	14.68	490.00	7.99	790.00	5.57
190.00	14.36	500.00	7.84	800.00	5.55
200.00	14.10	510.00	7.77	810.00	5.51
210.00	13.80	520.00	7.65	820.00	5.46
220.00	13.40	530.00	7.49		
230.00	13.00	540.00	7.39		
240.00	12.66	550.00	7.25		
250.00	12.33	560.00	7.16		
260.00	12.01	570.00	7.07		
270.00	11.74	580.00	6.97		
280.00	11.52	590.00	6.88		
290.00	11.22	600.00	6.78		
300.00	11.06				

**Cruise:** GULFCET 06  
**Latitude:** 29° 19.85' N

**Station:** 14-140  
**Longitude:** 87° 29.00' W

**Probe Type:** T-7  
**Date:** 28-Aug-1993 **Time:** 0928

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.13	310.00	9.99
10.00	29.56	320.00	9.80
20.00	29.24	330.00	9.67
30.00	28.65	340.00	9.62
40.00	23.57	350.00	9.53
50.00	22.78	360.00	9.43
60.00	21.69	370.00	9.23
70.00	21.26	380.00	9.12
80.00	20.11	390.00	9.03
90.00	19.55	400.00	8.88
100.00	19.10	410.00	8.87
110.00	18.30	420.00	8.39
120.00	17.47		
130.00	16.83		
140.00	15.97		
150.00	15.60		
160.00	15.35		
170.00	14.84		
180.00	14.38		
190.00	14.01		
200.00	13.64		
210.00	12.99		
220.00	12.54		
230.00	12.19		
240.00	11.76		
250.00	11.65		
260.00	11.42		
270.00	11.01		
280.00	10.63		
290.00	10.37		
300.00	10.16		

**Cruise:** GULFCET 06  
**Latitude:** 29° 21.98' N

**Station:** 14-141  
**Longitude:** 87° 29.99' W

**Probe Type:** T-7  
**Date:** 28-Aug-1993 **Time:** 0912

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.25	310.00	9.99
10.00	29.21	320.00	9.76
20.00	29.08		
30.00	28.26		
40.00	23.49		
50.00	22.55		
60.00	21.54		
70.00	21.12		
80.00	20.23		
90.00	19.60		
100.00	19.42		
110.00	18.80		
120.00	17.79		
130.00	16.94		
140.00	16.18		
150.00	15.66		
160.00	15.22		
170.00	14.92		
180.00	14.63		
190.00	14.32		
200.00	13.94		
210.00	13.31		
220.00	12.65		
230.00	12.19		
240.00	11.67		
250.00	11.32		
260.00	10.97		
270.00	10.71		
280.00	10.47		
290.00	10.35		
300.00	10.14		

Cruise: GULFCET 06  
Latitude: 29° 24.94' N

Station: 14-142  
Longitude: 87° 30.01' W

Probe Type: T-10  
Date: 28-Aug-1993 Time:

Depth (m)	Temp. (°C)
0.00	29.86
10.00	29.66
20.00	28.89
30.00	24.40
40.00	23.61
50.00	21.96
60.00	20.87
70.00	20.38
80.00	20.10
90.00	19.38
100.00	18.37
110.00	18.02
120.00	17.64
130.00	17.54
140.00	17.16
150.00	16.82
160.00	15.91
170.00	15.72
180.00	15.34
190.00	14.68

Cruise: GULFCET 06  
Latitude: 29° 17.07' N

Station: 14-EX1  
Longitude: 87° 29.53' W

Probe Type: T-7  
Date: 28-Aug-1993 Time:

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.21	310.00	10.33	610.00	6.08
10.00	29.68	320.00	10.07	620.00	6.03
20.00	29.55	330.00	9.93	630.00	5.97
30.00	28.53	340.00	9.69	640.00	5.93
40.00	25.39	350.00	9.59	650.00	5.91
50.00	22.92	360.00	9.45	660.00	5.86
60.00	21.62	370.00	9.27	670.00	5.79
70.00	20.61	380.00	9.06	680.00	5.75
80.00	20.07	390.00	8.94	690.00	5.72
90.00	19.68	400.00	8.85	700.00	5.67
100.00	19.06	410.00	8.63	710.00	5.60
110.00	17.82	420.00	8.48	720.00	5.56
120.00	17.06	430.00	8.36	730.00	5.52
130.00	16.30	440.00	8.18	740.00	5.50
140.00	15.83	450.00	8.00	750.00	5.4
150.00	15.44	460.00	7.90		
160.00	14.83	470.00	7.82		
170.00	14.33	480.00	7.75		
180.00	14.23	490.00	7.61		
190.00	13.78	500.00	7.52		
200.00	13.39	510.00	7.42		
210.00	13.08	520.00	7.31		
220.00	12.63	530.00	6.98		
230.00	12.29	540.00	6.80		
240.00	11.97	550.00	6.66		
250.00	11.64	560.00	6.52		
260.00	11.36	570.00	6.35		
270.00	11.14	580.00	6.30		
280.00	10.91	590.00	6.18		
290.00	10.73	600.00	6.13		
300.00	10.47				

**Cruise:** GULFCET 06      **Station:** BL-EX2      **Probe Type:** T-7  
**Latitude:** 29° 12.89' N      **Longitude:** 88° 23.53' W      **Date:** 29-Aug-1993      **Time:** 0753

Depth (m)	Temp. (°C)
0.00	29.70
10.00	29.95
20.00	29.50
30.00	24.42
40.00	21.17
50.00	20.52
60.00	19.80
70.00	19.29
80.00	18.59
90.00	18.07
100.00	17.35
110.00	17.01
120.00	16.68
130.00	16.33

**Cruise:** GULFCET 06      **Station:** BL-EX4      **Probe Type:** T-10  
**Latitude:** 28° 35.48' N      **Longitude:** 89° 43.32' W      **Date:** 30-Aug-1993      **Time:** 2357

Depth (m)	Temp. (°C)
0.00	29.74
10.00	30.38
20.00	29.86
30.00	27.57
40.00	22.63
50.00	20.94
60.00	20.33
70.00	19.19
80.00	18.16
90.00	17.99
100.00	17.70
110.00	17.19

**Cruise:** GULFCET 06      **Station:** BL-EX5      **Probe Type:** T-10  
**Latitude:** 28° 25.70' N      **Longitude:** 89° 56.50' W      **Date:** 31-Aug-1993      **Time:** 0136

Depth (m)	Temp. (°C)
0.00	29.81
10.00	30.19
20.00	30.10
30.00	29.52
40.00	28.27
50.00	22.87
60.00	20.88
70.00	20.37
80.00	20.03
90.00	19.79
100.00	19.45
110.00	18.84
120.00	18.00
130.00	17.34
140.00	16.75
150.00	16.01
160.00	15.04
170.00	14.66
180.00	14.07
190.00	13.82
200.00	13.00
210.00	12.40

Cruise: GULFCET 06  
Latitude: 26° 17.00' N

Station: BL-EX8  
Longitude: 94° 23.51' W

Probe Type: T-7  
Date: 5-Sep-1993 Time: 1955

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.12	310.00	11.10	610.00	6.79
10.00	29.03	320.00	10.90	620.00	6.72
20.00	29.11	330.00	10.70	630.00	6.63
30.00	26.68	340.00	10.62	640.00	6.55
40.00	24.93	350.00	10.45	650.00	6.52
50.00	23.60	360.00	10.24	660.00	6.43
60.00	22.97	370.00	10.12	670.00	6.30
70.00	22.21	380.00	9.86	680.00	6.23
80.00	21.10	390.00	9.67	690.00	6.15
90.00	20.46	400.00	9.49	700.00	6.11
100.00	19.55	410.00	9.31	710.00	6.04
110.00	18.94	420.00	9.10	720.00	5.99
120.00	18.40	430.00	8.98	730.00	5.97
130.00	17.61	440.00	8.90	740.00	5.87
140.00	16.92	450.00	8.78	750.00	5.81
150.00	16.42	460.00	8.61	760.00	5.77
160.00	16.09	470.00	8.41	770.00	5.69
170.00	15.71	480.00	8.30	780.00	5.65
180.00	15.27	490.00	8.12	790.00	5.60
190.00	14.71	500.00	7.94	800.00	5.55
200.00	14.19	510.00	7.82		
210.00	13.78	520.00	7.65		
220.00	13.31	530.00	7.55		
230.00	12.98	540.00	7.49		
240.00	12.68	550.00	7.34		
250.00	12.46	560.00	7.22		
260.00	12.22	570.00	7.12		
270.00	12.06	580.00	7.05		
280.00	11.90	590.00	6.97		
290.00	11.68	600.00	6.87		
300.00	11.47				

Cruise: GULFCET 06  
Latitude: 26° 16.95' N

Station: BL-EX9  
Longitude: 94° 36.97' W

Probe Type: T-7  
Date: 5-Sep-1993 Time: 2110

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.13	310.00	10.97	610.00	6.73
10.00	29.03	320.00	10.78	620.00	6.64
20.00	28.85	330.00	10.61	630.00	6.60
30.00	29.04	340.00	10.38	640.00	6.52
40.00	25.10	350.00	10.23	650.00	6.41
50.00	23.63	360.00	10.02	660.00	6.32
60.00	22.79	370.00	9.90	670.00	6.25
70.00	21.87	380.00	9.81	680.00	6.21
80.00	20.82	390.00	9.57	690.00	6.18
90.00	20.10	400.00	9.44	700.00	6.08
100.00	19.25	410.00	9.26	710.00	6.04
110.00	18.62	420.00	9.08	720.00	5.98
120.00	17.91	430.00	8.89	730.00	5.95
130.00	17.16	440.00	8.78	740.00	5.87
140.00	16.58	450.00	8.70	750.00	5.82
150.00	16.11	460.00	8.52	760.00	5.76
160.00	15.62	470.00	8.27	770.00	5.70
170.00	15.19	480.00	8.12	780.00	5.67
180.00	14.84	490.00	8.00	790.00	5.64
190.00	14.36	500.00	7.88	800.00	5.58
200.00	13.82	510.00	7.73	810.00	5.49
210.00	13.39	520.00	7.66		
220.00	13.15	530.00	7.55		
230.00	12.93	540.00	7.45		
240.00	12.69	550.00	7.29		
250.00	12.43	560.00	7.18		
260.00	12.17	570.00	7.05		
270.00	11.77	580.00	6.98		
280.00	11.52	590.00	6.88		
290.00	11.30	600.00	6.79		
300.00	11.13				

**Cruise:** GULFCET 06  
**Latitude:** 26° 29.92' N

**Station:** 06-B08  
**Longitude:** 92° 50.09' W

**Probe Type:** T-7  
**Date:** 3-Sep-1993 **Time:** 2207

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	29.60	310.00	12.12	610.00	7.00
10.00	29.85	320.00	11.80	620.00	6.95
20.00	29.86	330.00	11.50	630.00	6.85
30.00	29.76	340.00	11.30	640.00	6.79
40.00	29.30	350.00	11.04	650.00	6.72
50.00	27.31	360.00	10.93	660.00	6.66
60.00	25.03	370.00	10.79	670.00	6.57
70.00	24.09	380.00	10.52	680.00	6.48
80.00	23.55	390.00	10.21	690.00	6.37
90.00	22.75	400.00	10.01	700.00	6.30
100.00	22.20	410.00	9.91	710.00	6.22
110.00	21.34	420.00	9.71	720.00	6.14
120.00	20.57	430.00	9.48	730.00	6.09
130.00	19.81	440.00	9.32	740.00	6.04
140.00	19.21	450.00	9.14	750.00	5.98
150.00	18.06	460.00	8.98	760.00	5.93
160.00	17.37	470.00	8.82	770.00	5.86
170.00	16.87	480.00	8.61	780.00	5.82
180.00	16.49	490.00	8.47	790.00	5.74
190.00	15.99	500.00	8.22	800.00	5.71
200.00	15.61	510.00	8.14	810.00	5.66
210.00	15.14	520.00	7.93	820.00	5.59
220.00	14.82	530.00	7.91		
230.00	14.36	540.00	7.81		
240.00	14.10	550.00	7.69		
250.00	13.85	560.00	7.56		
260.00	13.45	570.00	7.45		
270.00	13.10	580.00	7.32		
280.00	12.75	590.00	7.24		
290.00	12.49	600.00	7.11		
300.00	12.34				

**CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:**

-DATA SUMMARY TABLES

-PLOTS OF TEMPERATURE, SALINITY, AND SOUND  
VELOCITY VERSUS DEPTH

- PLOTS OF TEMPERATURE VERSUS SALINITY VERSUS DENSITY FOR :  
ALL CTD STATIONS, OFFSHORE STATIONS (STATIONS AT THE 2000 M  
ISOBATH), INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT  
STATIONS 11-106 AND 12-125)), AND EVERY TWO TRACK LINES  
COMBINED



**Cruise:** GULFCET 06      **Station:** 04-031  
**Date:** 5-Sep-93      **Time:** 1757      **Lat:** 26 17.00      **Long:** 94 09.93  
**Depth:** 2000 m      **Wind Dir:** 8.4 °      **Wind Speed:** 3.6 m/s      **Wave Dir:** 320°  
**Barometer:** 29.74 in.      **Air Temp Dry:** 27 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** 31 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.266	29.264	35.525	22.372	546.02	1544.77	4.346		10.07
20	28.899	28.894	35.761	22.671	517.75	1544.41	4.517		20.14
30	28.364	28.356	36.426	23.350	453.40	1544.12	4.598		30.20
50	25.098	25.087	36.328	24.317	361.89	1536.90	5.132		50.34
75	22.590	22.574	36.304	25.043	293.60	1531.08	4.940		75.52
100	20.802	20.782	36.419	25.631	238.52	1526.92	4.000		100.69
125	19.004	18.981	36.444	26.126	192.17	1522.39	3.084		125.88
150	17.288	17.262	36.301	26.445	162.44	1517.67	3.164		151.06
200	15.017	14.986	35.999	26.739	135.57	1511.22	3.277		201.44
250	13.502	13.466	35.762	26.881	123.05	1506.90	3.221		251.83
300	12.087	12.047	35.541	26.994	113.07	1502.75	3.221		302.23
400	9.948	9.901	35.234	27.144	99.83	1496.56	3.090		403.07
500	9.028	8.972	35.117	27.205	95.29	1494.74	3.142		503.96
600	7.613	7.552	34.979	27.315	85.19	1490.93	3.285		604.90
700	6.438	6.372	34.913	27.427	74.63	1487.97	3.697		705.89
800	5.827	5.755	34.912	27.505	67.68	1487.22	4.037		806.92

**Cruise:** GULFCET 06      **Station:** 04-033  
**Date:** 5-Sep-93      **Time:** 1323      **Lat:** 26 45.88      **Long:** 94 10.24  
**Depth:** 1350 m      **Wind Dir:** °      **Wind Speed:** 4.0 m/s      **Wave Dir:** 300°  
**Barometer:** 29.84 in.      **Air Temp Dry:** 25 °C      **Air Temp Wet:** 24.8 °C      **Secchi Depth:** 23 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.988	29.986	36.156	22.600	524.18	1546.95	4.144		10.07
10	29.988	29.986	36.156	22.600	524.18	1546.95	4.144		10.07
20	29.873	29.868	36.309	22.754	509.90	1547.04	4.272		20.14
20	29.873	29.868	36.309	22.754	509.90	1547.04	4.272		20.14
30	29.829	29.822	36.356	22.805	505.49	1547.16	4.206		30.20
30	29.829	29.822	36.356	22.805	505.49	1547.16	4.206		30.20
50	26.160	26.148	36.241	23.922	399.53	1539.31	5.038		50.34
50	26.160	26.148	36.241	23.922	399.53	1539.31	5.038		50.34
75	23.953	23.937	36.335	24.668	329.33	1534.55	5.074		75.52
75	23.953	23.937	36.335	24.668	329.33	1534.55	5.074		75.52
100	22.524	22.504	36.287	25.049	293.96	1531.31	4.822		100.69
100	22.524	22.504	36.287	25.049	293.96	1531.31	4.822		100.69
125	20.702	20.678	36.451	25.682	234.58	1527.10	3.924		125.88
125	20.702	20.678	36.451	25.682	234.58	1527.10	3.924		125.88
150	18.699	18.672	36.508	26.253	180.99	1522.01	3.543		151.06
150	18.699	18.672	36.508	26.253	180.99	1522.01	3.543		151.06
200	16.504	16.471	36.219	26.569	152.13	1516.07	3.429		201.44
200	16.504	16.471	36.219	26.569	152.13	1516.07	3.429		201.44
250	14.644	14.606	35.938	26.775	133.58	1510.80	3.450		251.83
250	14.644	14.606	35.938	26.775	133.58	1510.80	3.450		251.83
300	13.323	13.280	35.722	26.887	123.78	1507.10	3.223		302.23
300	13.323	13.280	35.722	26.887	123.78	1507.10	3.223		302.23
400	11.064	11.013	35.383	27.063	108.34	1500.70	3.067		403.07
400	11.064	11.013	35.383	27.063	108.34	1500.70	3.067		403.07
500	9.373	9.316	35.155	27.179	98.12	1496.05	3.065		503.96
500	9.373	9.316	35.155	27.179	98.12	1496.05	3.065		503.96
600	7.813	7.751	34.988	27.293	87.57	1491.71	3.231		604.90
600	7.813	7.751	34.988	27.293	87.57	1491.71	3.231		604.90
700	6.598	6.532	34.914	27.407	76.80	1488.60	3.599		705.89
700	6.598	6.532	34.914	27.407	76.80	1488.60	3.599		705.89
800	5.962	5.890	34.908	27.485	69.79	1487.75	3.980		806.92
800	5.962	5.890	34.908	27.485	69.79	1487.75	3.980		806.92

**Cruise:** GULFCET 06      **Station:** 04-036  
**Date:** 5-Sep-93      **Time:** 0716      **Lat:** 27 25.75      **Long:** 94 09.91  
**Depth:** 826 m      **Wind Dir:** 339 °      **Wind Speed:** 1.5 m/s      **Wave Dir:** 155°  
**Barometer:** 29.79 in.      **Air Temp Dry:** 27.9 °C      **Air Temp Wet:** 24.9 °C      **Secchi Depth:** 28.5 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.852	29.849	35.655	22.271	555.69	1546.14	4.248		10.07
20	29.903	29.898	35.702	22.288	554.42	1546.46	4.348		20.14
30	29.765	29.758	36.023	22.576	527.35	1546.68	4.325		30.20
50	26.615	26.604	36.214	23.758	415.23	1540.34	5.133		50.34
75	22.893	22.877	36.231	24.900	307.16	1531.77	5.216		75.52
100	20.823	20.804	36.554	25.728	229.32	1527.12	3.750		100.69
125	19.008	18.986	36.460	26.137	191.12	1522.42	3.203		125.88
150	17.871	17.845	36.437	26.406	166.25	1519.54	3.739		151.06
200	16.016	15.984	36.150	26.629	146.28	1514.50	3.547		201.44
250	13.930	13.893	35.819	26.836	127.49	1508.37	3.130		251.83
300	12.665	12.624	35.615	26.937	118.68	1504.79	3.341		302.23
400	10.300	10.252	35.273	27.114	102.96	1497.87	3.047		403.07
500	8.634	8.579	35.068	27.230	92.59	1493.22	3.059		503.96
600	7.278	7.219	34.944	27.336	82.84	1489.61	3.283		604.90
700	6.151	6.087	34.908	27.461	71.04	1486.83	3.748		705.89
800	5.573	5.503	34.915	27.539	64.04	1486.21	4.122		806.92

**Cruise:** GULFCET 06      **Station:** 04-042  
**Date:** 5-Sep-93      **Time:** 0314      **Lat:** 27 53.96      **Long:** 94 09.97  
**Depth:** 96 m      **Wind Dir:** 310.2 °      **Wind Speed:** 1.4 m/s      **Wave Dir:** °  
**Barometer:** 29.78 in.      **Air Temp Dry:** 26.5 °C      **Air Temp Wet:** 24.1 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.509	29.507	35.809	22.502	533.50	1545.58	4.364	.088	10.07
20	29.651	29.646	36.100	22.672	517.67	1546.35	4.356	.083	20.14
30	28.765	28.758	36.020	22.911	495.31	1544.56	4.484	.088	30.20
50	24.296	24.285	36.281	24.525	342.03	1534.91	5.123	.153	50.34
75	21.667	21.652	36.334	25.327	266.50	1528.71	4.540	.408	75.52

**Cruise:** GULFCET 06      **Station:** 05-043  
**Date:** 4-Sep-93      **Time:** 2319      **Lat:** 28 00.02      **Long:** 93 30.07  
**Depth:** 91 m      **Wind Dir:** 105.2 °      **Wind Speed:** 1.2 m/s      **Wave Dir:** °  
**Barometer:** 29.80 in.      **Air Temp Dry:** 27 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.737	29.735	35.843	22.451	538.45	1546.10	4.367	.078	10.07
20	29.433	29.428	36.033	22.696	515.39	1545.83	4.299	.089	20.14
30	28.611	28.604	36.212	23.107	476.57	1544.43	4.495	.098	30.20
50	23.633	23.623	36.193	24.655	329.58	1533.18	5.241	.146	50.34
75	20.701	20.687	36.398	25.642	236.51	1526.20	4.115	.345	75.52

**Cruise:** GULFCET 06      **Station:** 05-047  
**Date:** 4-Sep-93      **Time:** 1823      **Lat:** 27 25.96      **Long:** 93 30.01  
**Depth:** 565 m      **Wind Dir:** 309 °      **Wind Speed:** 4.1 m/s      **Wave Dir:** 330°  
**Barometer:** 29.81 in.      **Air Temp Dry:** 28.5 °C      **Air Temp Wet:** 24.5 °C      **Secchi Depth:** 31 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.240	29.238	36.237	22.914	494.10	1545.46	4.389		10.07
20	29.118	29.113	36.233	22.953	490.85	1545.37	4.487		20.14
30	28.655	28.648	36.237	23.111	476.16	1544.56	4.573		30.20
50	23.655	23.645	36.286	24.720	323.44	1533.33	5.046		50.34
75	21.740	21.725	36.347	25.316	267.54	1528.92	4.538		75.52
100	17.931	17.914	36.322	26.303	174.31	1518.75	3.432		100.69
125	15.080	15.061	35.995	26.723	134.88	1510.16	3.152		125.88
150	14.016	13.994	35.847	26.839	124.36	1507.01	3.159		151.06
200	12.706	12.679	35.632	26.942	115.61	1503.28	3.169		201.44
250	11.461	11.428	35.433	27.028	108.25	1499.64	3.366		251.83
300	10.754	10.716	35.341	27.086	103.58	1497.90	3.140		302.23
400	9.056	9.012	35.117	27.201	93.78	1493.18	3.200		403.07
500	7.550	7.499	34.955	27.305	84.37	1489.00	3.407		503.96

**Cruise:** GULFCET 06      **Station:** 05-050  
**Date:** 4-Sep-93      **Time:** 1125      **Lat:** 26 46.00      **Long:** 93 29.99  
**Depth:** 1470 m      **Wind Dir:** 242 °      **Wind Speed:** 4.0 m/s      **Wave Dir:** 180°  
**Barometer:** 29.91 in.      **Air Temp Dry:** 27.8 °C      **Air Temp Wet:** 26.2 °C      **Secchi Depth:** 33 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.863	29.861	35.472	22.129	569.20	1545.97	4.579		10.07
20	29.858	29.853	35.474	22.133	569.27	1546.13	4.392		20.14
30	29.430	29.423	35.746	22.482	536.28	1545.69	4.401		30.20
50	25.475	25.464	36.332	24.204	372.63	1537.81	5.518		50.34
75	24.166	24.150	36.368	24.629	333.06	1535.11	5.404		75.52
100	23.084	23.063	36.309	24.904	307.79	1532.76	5.200		100.69
125	22.303	22.278	36.331	25.145	285.75	1531.21	5.092		125.88
150	20.735	20.706	36.488	25.701	233.68	1527.65	3.953		151.06
200	17.052	17.018	36.323	26.518	157.10	1517.83	3.577		201.44
250	14.394	14.357	35.901	26.800	131.05	1509.96	3.309		251.83
300	12.993	12.951	35.676	26.919	120.63	1505.96	3.287		302.23
400	10.682	10.633	35.331	27.091	105.37	1499.30	3.126		403.07
500	9.008	8.952	35.113	27.206	95.21	1494.66	3.192		503.96
600	7.458	7.398	34.953	27.317	84.81	1490.31	3.372		604.90
700	6.372	6.306	34.900	27.425	74.68	1487.69	3.708		705.89
800	5.722	5.651	34.907	27.515	66.61	1486.79	4.004		806.92

**Cruise:** GULFCET 06      **Station:** 05-053  
**Date:** 4-Sep-93      **Time:** 0514      **Lat:** 26 10.01      **Long:** 93 29.98  
**Depth:** 2000 m      **Wind Dir:** 164 °      **Wind Speed:** 2.7 m/s      **Wave Dir:** °  
**Barometer:** 29.90 in.      **Air Temp Dry:** 27.8 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.527	29.525	35.905	22.569	527.18	1545.72	4.424		10.07
20	29.556	29.552	36.062	22.676	517.30	1546.12	4.340		20.14
30	29.530	29.523	36.179	22.773	508.49	1546.35	4.347		30.20
50	28.409	28.397	36.627	23.486	441.20	1544.77	4.569		50.34
75	23.474	23.458	36.292	24.777	318.92	1533.31	5.133		75.52
100	21.934	21.914	36.282	25.213	278.35	1529.77	4.688		100.69
125	20.460	20.436	36.440	25.739	229.10	1526.43	3.683		125.88
150	18.940	18.913	36.464	26.157	190.04	1522.65	3.040		151.06
200	16.293	16.260	36.201	26.605	148.67	1515.40	3.238		201.44
250	14.049	14.012	35.840	26.827	128.41	1508.78	3.045		251.83
300	12.573	12.532	35.616	26.957	116.82	1504.48	2.948		302.23
400	10.183	10.135	35.261	27.125	101.81	1497.44	2.984		403.07
500	8.700	8.645	35.077	27.227	92.92	1493.48	3.019		503.96
600	7.417	7.357	34.957	27.326	83.93	1490.16	3.283		604.90
700	6.541	6.475	34.913	27.414	76.06	1488.37	3.550		705.89
800	5.850	5.778	34.908	27.499	68.28	1487.31	3.877		806.92

**Cruise:** GULFCET 06      **Station:** 06-054  
**Date:** 4-Sep-93      **Time:** 0029      **Lat:** 26 14.04      **Long:** 92 49.96  
**Depth:** 2000 m      **Wind Dir:** 136 °      **Wind Speed:** 2.9 m/s      **Wave Dir**  
**Barometer:** 29.94 in.      **Air Temp Dry:** 27.2 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.437	29.434	36.209	22.827	502.44	1545.85	4.374		10.07
20	29.434	29.429	36.208	22.828	502.82	1546.01	4.344		20.14
30	29.399	29.392	36.269	22.885	497.79	1546.17	4.332		30.20
50	27.987	27.975	36.293	23.374	451.86	1543.50	4.646		50.34
75	24.334	24.318	36.316	24.540	341.58	1535.46	5.190		75.52
100	22.174	22.154	36.282	25.145	284.84	1530.40	4.764		100.69
125	20.724	20.700	36.390	25.629	239.54	1527.09	3.741		125.88
150	19.402	19.375	36.475	26.046	200.66	1523.97	3.125		151.06
200	16.649	16.616	36.225	26.539	155.01	1516.51	3.232		201.44
250	14.200	14.163	35.864	26.813	129.78	1509.29	3.146		251.83
300	12.847	12.806	35.654	26.931	119.38	1505.45	3.080		302.23
400	10.663	10.614	35.328	27.093	105.23	1499.23	3.043		403.07
500	9.174	9.118	35.132	27.194	96.53	1495.30	3.064		503.96
600	7.989	7.926	35.003	27.278	89.14	1492.39	3.178		604.90
700	6.829	6.761	34.921	27.381	79.58	1489.51	3.442		705.89
800	6.098	6.024	34.905	27.465	71.90	1488.29	3.742		806.92

**Cruise:** GULFCET 06      **Station:** 06-055  
**Date:** 3-Sep-93      **Time:** 1907      **Lat:** 26 45.98      **Long:** 92 49.94  
**Depth:** 1745 m      **Wind Dir:** 334.9 °      **Wind Speed:** 0.8 m/s      **Wave Dir** 120°  
**Barometer:** 29.91 in.      **Air Temp Dry:** 26.5 °C      **Air Temp Wet:** 24 °C      **Secchi Depth:** 35 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.894	29.892	35.794	22.361	547.07	1546.37	4.239		10.07
20	29.891	29.886	35.894	22.436	540.25	1546.64	4.251		20.14
30	29.732	29.725	35.939	22.524	532.30	1546.53	4.211		30.20
50	26.928	26.917	36.167	23.622	428.20	1541.00	4.704		50.34
75	22.826	22.810	36.199	24.895	307.65	1531.57	5.124		75.52
100	21.344	21.324	36.359	25.435	257.11	1528.30	4.325		100.69
125	17.787	17.765	36.375	26.379	167.93	1518.81	3.344		125.88
150	16.451	16.427	36.217	26.580	149.48	1515.07	3.403		151.06
200	14.884	14.853	35.974	26.750	134.52	1510.77	3.394		201.44
250	13.339	13.304	35.724	26.886	122.54	1506.33	3.283		251.83
300	12.220	12.180	35.558	26.981	114.33	1503.22	3.249		302.23
400	9.633	9.587	35.174	27.151	98.94	1495.36	3.176		403.07
500	8.330	8.277	35.035	27.251	90.26	1492.05	3.208		503.96
600	6.986	6.927	34.920	27.358	80.37	1488.45	3.582		604.90
700	6.159	6.095	34.905	27.458	71.34	1486.86	3.973		705.89

**Cruise:** GULFCET 06      **Station:** 06-059  
**Date:** 3-Sep-93      **Time:** 1246      **Lat:** 27 25.83      **Long:** 92 50.08  
**Depth:** 1035 m      **Wind Dir:** 138.8 °      **Wind Speed:** 2.9 m/s      **Wave Dir** 210°  
**Barometer:** 29.95 in.      **Air Temp Dry:** 27.2 °C      **Air Temp Wet:** 26.5 °C      **Secchi Depth:** 29 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.802	29.800	35.740	22.352	547.94	1546.13	4.248		10.07
20	29.752	29.747	35.780	22.399	543.87	1546.23	4.243		20.14
30	28.212	28.205	35.994	23.075	479.58	1543.34	4.670		30.20
50	23.796	23.786	36.303	24.690	326.26	1533.70	5.145		50.34
75	21.800	21.785	36.358	25.308	268.34	1529.09	4.625		75.52
100	19.167	19.148	36.487	26.116	192.24	1522.48	3.353		100.69
125	17.695	17.673	36.359	26.390	166.94	1518.52	3.271		125.88
150	16.407	16.383	36.204	26.581	149.41	1514.92	3.165		151.06
200	13.953	13.924	35.834	26.843	125.42	1507.63	3.017		201.44
250	12.361	12.328	35.577	26.968	114.34	1502.89	3.178		251.83
300	11.245	11.207	35.411	27.052	107.13	1499.70	3.112		302.23
400	9.216	9.171	35.121	27.178	96.04	1493.77	3.211		403.07
500	7.871	7.819	34.981	27.279	87.19	1490.25	3.377		503.96
600	6.726	6.669	34.911	27.387	77.33	1487.43	3.601		604.90
700	6.146	6.082	34.905	27.459	71.17	1486.81	3.905		705.89
800	5.662	5.591	34.915	27.529	65.20	1486.56	4.118		806.92

**Cruise:** GULFCET 06      **Station:** 06-064  
**Date:** 3-Sep-93      **Time:** 0655      **Lat:** 28 01.97      **Long:** 92 50.00  
**Depth:** 96 m      **Wind Dir:** 253.1 °      **Wind Speed:** 4.7 m/s      **Wave Dir:** 80 °  
**Barometer:** 29.88 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 26 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.720	29.717	35.705	22.353	547.82	1545.92	4.329	.089	10.07
20	29.727	29.722	35.706	22.351	548.38	1546.10	4.280	.082	20.14
30	28.609	28.602	36.041	22.978	488.84	1544.25	4.521	.093	30.20
50	24.332	24.321	36.276	24.510	343.41	1534.99	5.219	.120	50.34
75	22.331	22.316	36.285	25.102	287.96	1530.39	4.914	.261	75.52

**Cruise:** GULFCET 06      **Station:** 07-065  
**Date:** 3-Sep-93      **Time:** 0251      **Lat:** 28 02.11      **Long:** 92 10.01  
**Depth:** 101 m      **Wind Dir:** 206 °      **Wind Speed:** 2.6 m/s      **Wave Dir:** °  
**Barometer:** 29.88 in.      **Air Temp Dry:** 26 °C      **Air Temp Wet:** 24.2 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.870	29.868	35.554	22.188	563.58	1546.07	4.306	.103	10.07
20	29.685	29.681	35.754	22.402	543.58	1546.07	4.258	.083	20.14
30	28.777	28.769	36.103	22.970	489.66	1544.68	4.526	.100	30.20
50	23.679	23.669	36.069	24.548	339.79	1533.16	5.276	.145	50.34
75	20.284	20.270	36.347	25.715	229.54	1525.01	4.068	.325	75.52

**Cruise:** GULFCET 06      **Station:** 07-071  
**Date:** 2-Sep-93      **Time:** 2109      **Lat:** 27 25.93      **Long:** 92 10.03  
**Depth:** 814 m      **Wind Dir:** 99.3 °      **Wind Speed:** 3.6 m/s      **Wave Dir:** °  
**Barometer:** 29.87 in.      **Air Temp Dry:** 27.5 °C      **Air Temp Wet:** 26 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.150	30.147	35.477	22.035	578.26	1546.57	4.299		10.07
20	30.070	30.065	35.495	22.076	574.72	1546.59	4.263		20.14
30	29.454	29.447	35.982	22.651	520.17	1545.99	4.405		30.20
50	24.106	24.096	36.154	24.486	345.75	1534.31	5.150		50.34
75	20.806	20.792	36.244	25.496	250.41	1526.31	4.857		75.52
100	19.407	19.388	36.417	26.001	203.19	1523.08	3.746		100.69
125	16.935	16.915	36.257	26.496	156.70	1516.16	3.224		125.88
150	15.138	15.115	36.023	26.731	134.87	1510.79	3.352		151.06
200	13.083	13.055	35.697	26.917	118.12	1504.61	3.250		201.44
250	11.599	11.566	35.466	27.028	108.32	1500.16	3.225		251.83
300	10.663	10.626	35.335	27.098	102.46	1497.57	3.181		302.23
400	8.971	8.927	35.103	27.203	93.45	1492.85	3.198		403.07
500	7.457	7.407	34.968	27.329	82.01	1488.66	3.368		503.96
600	6.549	6.493	34.902	27.403	75.56	1486.72	3.711		604.90
700	5.796	5.734	34.906	27.505	66.36	1485.42	4.104		705.89

**Cruise:** GULFCET 06      **Station:** 07-073  
**Date:** 2-Sep-93      **Time:** 1340      **Lat:** 26 45.97      **Long:** 92 09.96  
**Depth:** 1800 m      **Wind Dir:** 318.9 °      **Wind Speed:** 4.2 m/s      **Wave Dir:** 320°  
**Barometer:** 29.85 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 26 °C      **Secchi Depth:** 35 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.954	29.952	35.962	22.466	536.99	1546.67	4.447		10.07
20	29.843	29.838	36.076	22.589	525.64	1546.73	4.512		20.14
30	29.710	29.702	36.168	22.704	515.11	1546.72	4.557		30.20
50	27.400	27.388	36.303	23.573	432.92	1542.21	4.924		50.34
75	24.136	24.120	36.350	24.625	333.47	1535.02	5.182		75.52
100	22.905	22.884	36.290	24.941	304.25	1532.29	5.134		100.69
125	21.856	21.831	36.393	25.319	269.18	1530.11	4.563		125.88
150	19.283	19.255	36.470	26.073	198.12	1523.63	3.657		151.06
200	15.538	15.507	36.085	26.689	140.46	1512.95	3.382		201.44
250	13.054	13.018	35.687	26.915	119.61	1505.34	3.263		251.83
300	10.956	10.918	35.356	27.061	106.06	1498.62	3.326		302.23
400	9.038	8.994	35.117	27.204	93.43	1493.11	3.287		403.07
500	7.513	7.463	34.950	27.306	84.21	1488.85	3.551		503.96
600	6.489	6.433	34.906	27.415	74.39	1486.49	3.861		604.90
700	5.814	5.752	34.907	27.503	66.58	1485.49	4.208		705.89
800	5.395	5.326	34.917	27.563	61.55	1485.49	4.429		806.92

**Cruise:** GULFCET 06      **Station:** 07-075  
**Date:** 2-Sep-93      **Time:** 0820      **Lat:** 26 16.96      **Long:** 92 09.97  
**Depth:** 2000 m      **Wind Dir:** 346.1 °      **Wind Speed:** 2.2 m/s      **Wave Dir:** 125°  
**Barometer:** 29.86 in.      **Air Temp Dry:** 27.9 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** 42 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.724	29.722	36.095	22.644	519.96	1546.33	3.945		10.07
20	29.665	29.660	36.135	22.694	515.58	1546.42	3.995		20.14
30	29.628	29.621	36.305	22.835	502.61	1546.69	4.025		30.20
50	28.187	28.175	36.311	23.322	456.90	1543.96	4.371		50.34
75	24.999	24.983	36.456	24.444	350.78	1537.23	4.567		75.52
100	23.288	23.267	36.268	24.814	316.42	1533.24	4.715		100.69
125	21.742	21.717	36.311	25.288	272.11	1529.72	4.487		125.88
150	20.286	20.257	36.473	25.811	223.17	1526.41	3.394		151.06
200	17.291	17.257	36.312	26.453	163.40	1518.53	2.965		201.44
250	15.058	15.019	35.991	26.724	138.51	1512.17	2.977		251.83
300	13.512	13.468	35.759	26.877	124.81	1507.77	2.969		302.23
400	11.136	11.085	35.395	27.059	108.73	1500.97	3.001		403.07
500	9.289	9.232	35.140	27.181	97.86	1495.73	3.037		503.96
600	7.783	7.721	34.975	27.287	88.03	1491.57	3.222		604.90
700	6.917	6.849	34.919	27.367	80.99	1489.85	3.419		705.89

**Cruise:** GULFCET 06      **Station:** 08-076  
**Date:** 2-Sep-93      **Time:** 0242      **Lat:** 26 36.96      **Long:** 91 29.89  
**Depth:** 2000 m      **Wind Dir:** 20 °      **Wind Speed:** 1.8 m/s      **Wave Dir:** 315°  
**Barometer:** 29.83 in.      **Air Temp Dry:** 25.5 °C      **Air Temp Wet:** 25.1 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.896	29.893	35.544	22.173	565.05	1546.12	4.312		10.07
20	29.901	29.896	35.544	22.171	565.66	1546.30	4.301		20.14
30	29.901	29.894	35.546	22.171	566.01	1546.47	4.273		30.20
50	26.268	26.257	36.208	23.863	405.18	1539.53	5.011		50.34
75	24.333	24.317	36.334	24.554	340.24	1535.48	5.094		75.52
100	22.916	22.896	36.290	24.938	304.56	1532.32	4.975		100.69
125	20.819	20.795	36.432	25.636	238.96	1527.40	4.292		125.88
150	18.570	18.543	36.453	26.243	181.86	1521.58	3.155		151.06
200	16.065	16.033	36.151	26.619	147.27	1514.65	3.147		201.44
250	14.617	14.579	35.931	26.775	133.56	1510.71	3.170		251.83
300	13.003	12.961	35.677	26.917	120.76	1505.99	3.444		302.23
400	10.633	10.584	35.321	27.092	105.26	1499.11	3.084		403.07
500	8.622	8.568	35.057	27.223	93.22	1493.17	3.168		503.96
600	7.491	7.430	34.951	27.311	85.45	1490.43	3.337		604.90
700	6.494	6.428	34.912	27.419	75.48	1488.19	3.666		705.89
800	5.800	5.728	34.907	27.505	67.68	1487.10	4.055		806.92

**Cruise:** GULFCET 06      **Station:** 08-080  
**Date:** 1-Sep-93      **Time:** 1901      **Lat:** 27 25.98      **Long:** 91 29.99  
**Depth:** 950 m      **Wind Dir:** 333 °      **Wind Speed:** 4.0 m/s      **Wave Dir:** 0 °  
**Barometer:** 29.79 in.      **Air Temp Dry:** 29 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.889	29.887	35.653	22.256	557.08	1546.21	4.179		10.07
20	29.762	29.757	36.040	22.590	525.54	1546.53	4.304		20.14
30	27.836	27.829	36.292	23.423	446.42	1542.83	4.623		30.20
50	24.045	24.034	36.285	24.603	334.60	1534.30	5.021		50.34
75	21.187	21.172	36.363	25.482	251.72	1527.47	4.664		75.52
100	18.973	18.955	36.435	26.127	191.17	1521.88	3.440		100.69
125	17.623	17.601	36.351	26.402	165.80	1518.30	3.186		125.88
150	16.384	16.359	36.199	26.582	149.27	1514.84	3.259		151.06
200	13.982	13.953	35.826	26.831	126.61	1507.71	3.271		201.44
250	12.564	12.530	35.612	26.955	115.68	1503.62	3.089		251.83
300	11.304	11.266	35.423	27.050	107.34	1499.92	3.106		302.23
400	9.428	9.382	35.153	27.169	97.11	1494.58	3.152		403.07
500	7.987	7.935	35.002	27.278	87.40	1490.71	3.221		503.96
600	6.884	6.827	34.929	27.379	78.23	1488.07	3.516		604.90
700	6.106	6.042	34.904	27.464	70.68	1486.65	3.894		705.89
800	5.563	5.493	34.911	27.538	64.20	1486.16	4.196		806.92

**Cruise:** GULFCET 06      **Station:** 08-086  
**Date:** 1-Sep-93      **Time:** 1320      **Lat:** 28 07.52      **Long:** 91 30.08  
**Depth:** 100 m      **Wind Dir:** 16.3 °      **Wind Speed:** 5.2 m/s      **Wave Dir:** 45 °  
**Barometer:** 29.85 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 26.5 °C      **Secchi Depth:** 25 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.942	29.940	35.154	21.864	594.63	1545.80	4.269	.116	10.07
20	29.902	29.897	35.151	21.876	593.92	1545.89	4.307	.136	20.14
30	29.446	29.439	35.846	22.552	529.65	1545.83	4.416	.120	30.20
50	24.408	24.397	36.177	24.413	352.71	1535.07	5.102	.176	50.34
75	20.446	20.432	36.273	25.615	239.05	1525.37	4.010	.369	75.52

**Cruise:** GULFCET 06      **Station:** 09-087  
**Date:** 1-Sep-93      **Time:** 0904      **Lat:** 28 08.99      **Long:** 90 50.00  
**Depth:** 106 m      **Wind Dir:** 336 °      **Wind Speed:** 3.3 m/s      **Wave Dir:** °  
**Barometer:** 29.84 in.      **Air Temp Dry:** 27.5 °C      **Air Temp Wet:** 26.2 °C      **Secchi Depth:** 28 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.055	30.052	35.095	21.781	602.52	1545.98	4.349	.161	10.07
20	30.062	30.057	35.454	22.048	577.45	1546.54	4.312	.123	20.14
30	29.938	29.930	35.862	22.396	544.51	1546.87	4.416	.130	30.20
50	24.735	24.724	36.304	24.410	353.00	1536.00	5.234	.162	50.34
75	20.592	20.578	36.281	25.582	242.16	1525.77	4.493	.268	75.52

**Cruise:** GULFCET 06      **Station:** 09-093  
**Date:** 1-Sep-93      **Time:** 0142      **Lat:** 27 25.90      **Long:** 90 50.05  
**Depth:** 832 m      **Wind Dir:** 342 °      **Wind Speed:** 5.4 m/s      **Wave Dir**  
**Barometer:** 29.81 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 26 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.994	29.991	35.379	22.015	580.18	1546.15	4.303		10.07
20	30.028	30.023	35.445	22.053	576.94	1546.46	4.283		20.14
30	29.621	29.614	35.906	22.537	531.06	1546.26	4.442		30.20
50	24.358	24.348	36.047	24.329	360.65	1534.81	5.201		50.34
75	21.754	21.739	36.304	25.280	270.99	1528.90	4.749		75.52
100	19.325	19.307	36.449	26.046	198.86	1522.88	3.481		100.69
125	17.546	17.525	36.356	26.424	163.65	1518.08	3.133		125.88
150	16.407	16.383	36.195	26.574	150.07	1514.91	3.190		151.06
200	14.239	14.209	35.867	26.807	128.90	1508.59	3.141		201.44
250	12.847	12.812	35.653	26.931	118.07	1504.61	3.117		251.83
300	11.640	11.601	35.472	27.025	109.85	1501.14	3.229		302.23
400	9.565	9.519	35.165	27.155	98.53	1495.10	3.228		403.07
500	8.081	8.028	34.994	27.258	89.40	1491.06	3.334		503.96
600	6.918	6.860	34.914	27.363	79.85	1488.18	3.579		604.90
700	6.166	6.102	34.901	27.453	71.78	1486.88	3.918		705.89
800	5.549	5.479	34.911	27.539	64.00	1486.11	4.291		806.92

**Cruise:** GULFCET 06      **Station:** 09-096  
**Date:** 31-Aug-93      **Time:** 1849      **Lat:** 26 44.98      **Long:** 90 50.02  
**Depth:** 2000 m      **Wind Dir:** 348.1 °      **Wind Speed:** 3.8 m/s      **Wave Dir** 40 °  
**Barometer:** 29.80 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25.2 °C      **Secchi Depth:** 35 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.153	30.151	36.248	22.612	523.04	1547.38	4.156		10.07
20	29.794	29.789	36.362	22.821	503.51	1546.93	4.197		20.14
30	29.743	29.735	36.387	22.857	500.45	1547.02	4.244		30.20
50	28.878	28.865	36.368	23.135	474.75	1545.51	4.354		50.34
75	24.416	24.400	36.295	24.499	345.48	1535.64	5.084		75.52
100	22.412	22.392	36.264	25.064	292.56	1531.00	4.791		100.69
125	20.083	20.060	36.455	25.851	218.39	1525.42	3.696		125.88
150	18.408	18.382	36.487	26.310	175.46	1521.16	3.366		151.06
200	15.891	15.859	36.119	26.635	145.71	1514.08	3.264		201.44
250	14.045	14.009	35.849	26.835	127.67	1508.78	3.133		251.83
300	12.605	12.564	35.611	26.946	117.82	1504.59	3.398		302.23
400	10.143	10.095	35.253	27.126	101.71	1497.29	3.054		403.07
500	8.604	8.549	35.062	27.230	92.52	1493.10	3.185		503.96
600	7.281	7.221	34.943	27.334	82.96	1489.61	3.383		604.90
700	6.246	6.181	34.903	27.445	72.69	1487.20	3.881		705.89
800	5.640	5.570	34.909	27.526	65.38	1486.47	4.201		806.92



**Cruise:** GULFCET 06      **Station:** 10-097  
**Date:** 31-Aug-93      **Time:** 1341      **Lat:** 27 09.97      **Long:** 90 10.02  
**Depth:** 2000 m      **Wind Dir:** 311.1 °      **Wind Speed:** 7.1 m/s      **Wave Dir:** 130°  
**Barometer:** 29.83 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.052	30.050	36.115	22.547	529.26	1547.03	4.210		10.07
20	29.956	29.951	36.124	22.587	525.83	1547.01	4.244		20.14
30	28.364	28.357	36.360	23.300	458.14	1544.05	4.756		30.20
50	23.709	23.698	36.495	24.862	309.92	1533.69	4.963		50.34
75	20.606	20.592	36.536	25.773	224.07	1526.10	4.279		75.52
100	18.187	18.169	36.398	26.298	174.84	1519.58	3.537		100.69
125	16.928	16.907	36.294	26.526	153.85	1516.18	3.626		125.88
150	15.940	15.916	36.143	26.642	143.49	1513.42	3.579		151.06
200	13.823	13.794	35.806	26.848	124.85	1507.17	3.488		201.44
250	12.355	12.321	35.563	26.958	115.28	1502.85	3.482		251.83
300	11.065	11.027	35.360	27.044	107.72	1499.01	3.419		302.23
400	9.110	9.066	35.111	27.187	95.08	1493.37	3.297		403.07
500	7.672	7.622	34.959	27.290	85.91	1489.47	3.388		503.96
600	6.763	6.706	34.912	27.383	77.78	1487.57	3.582		604.90
700	5.960	5.897	34.903	27.481	68.85	1486.07	3.988		705.89
800	5.477	5.407	34.913	27.550	62.91	1485.82	4.327		806.92

**Cruise:** GULFCET 06      **Station:** 10-100  
**Date:** 31-Aug-93      **Time:** 0758      **Lat:** 27 46.06      **Long:** 90 10.00  
**Depth:** 800 m      **Wind Dir:** 334 °      **Wind Speed:** 5.7 m/s      **Wave Dir:** 129°  
**Barometer:** 29.83 in.      **Air Temp Dry:** 28.7 °C      **Air Temp Wet:** 26.5 °C      **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.702	29.700	36.058	22.624	521.87	1546.25	4.340		10.07
20	29.263	29.258	36.163	22.851	500.57	1545.61	4.571		20.14
30	27.811	27.803	36.176	23.344	453.94	1542.65	4.718		30.20
50	24.328	24.318	36.282	24.516	342.89	1534.99	5.160		50.34
75	21.560	21.545	36.577	25.542	246.11	1528.70	4.065		75.52
100	19.550	19.532	36.536	26.054	198.15	1523.61	3.566		100.69
125	17.719	17.697	36.395	26.411	164.89	1518.63	3.679		125.88
150	16.665	16.640	36.261	26.564	151.07	1515.77	3.471		151.06
200	14.598	14.568	35.926	26.775	132.07	1509.81	3.482		201.44
250	12.915	12.880	35.665	26.926	118.54	1504.85	3.173		251.83
300	11.470	11.431	35.440	27.032	109.11	1500.51	3.249		302.23
400	9.549	9.503	35.159	27.153	98.70	1495.03	3.177		403.07
500	7.837	7.786	34.975	27.279	87.16	1490.12	3.268		503.96
600	6.734	6.677	34.914	27.388	77.24	1487.46	3.621		604.90
700	5.978	5.915	34.903	27.479	69.08	1486.14	4.011		705.89

**Cruise:** GULFCET 06      **Station:** 10-105  
**Date:** 31-Aug-93      **Time:** 0318      **Lat:** 28 15.99      **Long:** 90 10.00  
**Depth:** 90 m      **Wind Dir:** 343.2 °      **Wind Speed:** 6.0 m/s      **Wave Dir:** °  
**Barometer:** 29.80 in.      **Air Temp Dry:** 27.5 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.050	30.048	35.463	22.059	575.98	1546.35	4.197	.085	10.07
20	29.962	29.956	35.742	22.298	553.46	1546.63	4.216	.088	20.14
30	29.559	29.552	35.837	22.507	533.93	1546.06	4.295	.092	30.20
50	24.882	24.871	36.158	24.255	367.76	1536.20	5.067	.141	50.34
75	21.203	21.188	36.272	25.409	258.71	1527.41	4.589	.302	75.52

**Cruise:** GULFCET 06      **Station:** 11-106  
**Date:** 30-Aug-93      **Time:** 2200      **Lat:** 28 44.96      **Long:** 89 29.95  
**Depth:** 95 m      **Wind Dir:** 343.1 °      **Wind Speed:** 5.6 m/s      **Wave Dir** °  
**Barometer:** 29.81 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.208	30.205	34.897	21.580	621.79	1546.09	4.393	1.280	10.07
20	30.163	30.158	35.055	21.714	609.38	1546.33	4.257	.238	20.14
30	28.637	28.629	35.840	22.818	504.13	1544.10	4.460	.193	30.20
50	21.584	21.574	36.228	25.269	271.04	1527.95	4.542	.176	50.34
75	19.753	19.739	36.350	25.859	215.81	1523.55	2.934	.100	75.52

**Cruise:** GULFCET 06      **Station:** 11-112  
**Date:** 30-Aug-93      **Time:** 1526      **Lat:** 28 06.13      **Long:** 89 29.97  
**Depth:** 1075 m      **Wind Dir:** 304.7 °      **Wind Speed:** 6.0 m/s      **Wave Dir** 30 °  
**Barometer:** 29.80 in.      **Air Temp Dry:** 29.2 °C      **Air Temp Wet:** 26.2 °C      **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.058	30.056	36.020	22.474	536.23	1546.95	4.219		10.07
20	29.826	29.821	36.199	22.688	516.24	1546.82	4.197		20.14
30	29.417	29.410	36.243	22.859	500.24	1546.18	4.272		30.20
50	27.549	27.537	36.279	23.507	439.23	1542.51	4.483		50.34
75	25.685	25.668	36.502	24.267	367.67	1538.91	4.452		75.52
100	24.165	24.143	36.698	24.880	310.24	1535.89	3.991		100.69
125	22.117	22.092	36.829	25.577	244.78	1531.27	3.891		125.88
150	19.722	19.694	36.581	26.044	201.01	1524.98	3.638		151.06
200	16.544	16.511	36.249	26.583	150.86	1516.22	3.851		201.44
250	14.498	14.460	35.918	26.791	131.98	1510.31	3.742		251.83
300	13.380	13.337	35.713	26.869	125.53	1507.28	3.666		302.23
400	11.251	11.199	35.382	27.028	111.76	1501.35	3.466		403.07
500	9.068	9.012	35.093	27.181	97.64	1494.86	3.287		503.96
600	7.811	7.749	34.966	27.275	89.18	1491.67	3.279		604.90
700	6.795	6.728	34.909	27.375	80.02	1489.36	3.510		705.89
800	5.523	5.453	34.909	27.541	63.84	1486.00	4.089		806.92

**Cruise:** GULFCET 06      **Station:** 11-115  
**Date:** 30-Aug-93      **Time:** 0830      **Lat:** 27 27.80      **Long:** 89 29.93  
**Depth:** 2000 m      **Wind Dir:** 27 °      **Wind Speed:** 3.0 m/s      **Wave Dir** °  
**Barometer:** 29.87 in.      **Air Temp Dry:** °C      **Air Temp Wet:** °C      **Secchi Depth:** 16 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.596	29.594	36.242	22.798	505.24	1546.22	4.241		10.07
20	29.598	29.593	36.243	22.798	505.70	1546.39	4.253		20.14
30	29.133	29.126	36.190	22.915	494.89	1545.53	4.332		30.20
50	28.341	28.329	36.228	23.208	467.73	1544.20	4.460		50.34
75	26.770	26.753	36.372	23.827	409.66	1541.28	4.463		75.52
100	25.523	25.501	36.607	24.397	356.33	1539.06	4.105		100.69
125	23.629	23.602	36.858	25.161	284.47	1535.16	3.807		125.88
150	21.251	21.221	36.747	25.757	228.51	1529.32	3.740		151.06
200	18.934	18.897	36.616	26.275	180.70	1523.64	3.906		201.44
250	17.295	17.253	36.385	26.508	159.85	1519.47	4.096		251.83
300	15.917	15.869	36.148	26.651	147.34	1515.87	3.914		302.23
400	12.708	12.653	35.628	26.938	121.23	1506.62	3.138		403.07
500	9.992	9.933	35.216	27.122	104.03	1498.37	3.227		503.96
600	8.245	8.181	35.014	27.248	92.32	1493.37	3.292		604.90
700	6.955	6.887	34.918	27.361	81.61	1490.00	3.536		705.89
800	6.206	6.132	34.902	27.449	73.66	1488.71	3.856		806.92

**Cruise:** GULFCET 06      **Statio0:** 12-116  
**Date:** 30-Aug-93      **Time:** 0347      **Lat:** 27 26.02      **Long:** 88 49.97  
**Depth:** 2000 m      **Wind Dir:** 282 °      **Wind Speed:** 3.8 m/s      **Wave Dir** °  
**Barometer:** 29.81 in.      **Air Temp Dry:** 27.8 °C      **Air Temp Wet:** 25.5 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.780	29.777	36.149	22.666	517.87	1546.51	4.219		10.07
20	29.726	29.721	36.142	22.679	517.04	1546.56	4.269		20.14
30	29.255	29.247	36.166	22.856	500.53	1545.76	4.364		30.20
50	28.613	28.601	36.166	23.071	480.81	1544.73	4.417		50.34
75	27.926	27.908	36.236	23.351	455.11	1543.73	4.488		75.52
100	26.336	26.313	36.438	24.015	392.73	1540.78	4.408		100.69
125	25.069	25.042	36.683	24.595	338.46	1538.48	3.970		125.88
150	23.384	23.353	36.854	25.230	278.90	1534.96	3.795		151.06
200	20.494	20.456	36.781	25.989	208.15	1528.16	3.809		201.44
250	19.004	18.959	36.633	26.270	182.98	1524.70	3.986		251.83
300	17.397	17.346	36.394	26.489	163.30	1520.62	4.135		302.23
400	15.083	15.021	36.005	26.730	142.50	1514.78	3.918		403.07
500	12.591	12.522	35.588	26.931	124.48	1507.85	3.553		503.96
600	10.034	9.962	35.233	27.129	105.66	1500.20	3.115		604.90
700	8.148	8.073	34.996	27.249	93.86	1494.65	3.248		705.89
800	6.952	6.873	34.915	27.359	83.35	1491.65	3.486		806.92

**Cruise:** GULFCET 06      **Station:** 12-117  
**Date:** 30-Aug-93      **Time:** 0003      **Lat:** 27 45.73      **Long:** 88 49.25  
**Depth:** 1575 m      **Wind Dir:** 309 °      **Wind Speed:** 4.4 m/s      **Wave Dir** °  
**Barometer:** 29.84 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 24.8 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.800	29.798	36.197	22.695	515.09	1546.60	4.240		10.07
20	29.699	29.694	36.193	22.726	512.56	1546.55	4.267		20.14
30	29.270	29.262	36.156	22.844	501.68	1545.78	4.325		30.20
50	28.417	28.405	36.201	23.163	472.07	1544.34	4.469		50.34
75	27.248	27.230	36.309	23.627	428.79	1542.30	4.448		75.52
100	25.786	25.764	36.568	24.286	366.93	1539.64	4.258		100.69
125	24.366	24.339	36.768	24.872	311.99	1536.88	3.890		125.88
150	22.252	22.222	36.879	25.576	245.82	1532.10	3.719		151.06
200	19.887	19.849	36.722	26.107	196.82	1526.43	3.780		201.44
250	18.043	17.999	36.493	26.407	169.67	1521.79	4.056		251.83
300	16.299	16.250	36.207	26.608	151.64	1517.10	3.849		302.23
400	13.403	13.346	35.721	26.870	128.15	1509.04	3.561		403.07
500	11.273	11.209	35.382	27.024	114.54	1503.10	3.395		503.96
600	9.231	9.163	35.124	27.178	100.06	1497.16	3.170		604.90
700	7.578	7.507	34.951	27.298	88.46	1492.43	3.391		705.89
800	6.557	6.481	34.906	27.405	78.30	1490.10	3.726		806.92

**Cruise:** GULFCET 06      **Station:** 12-119  
**Date:** 29-Aug-93      **Time:** 1713      **Lat:** 28 25.90      **Long:** 88 49.93  
**Depth:** 1300 m      **Wind Dir:** 231.6 °      **Wind Speed:** 3.9 m/s      **Wave Dir:** 220°  
**Barometer:** 29.82 in.      **Air Temp Dry:** 31 °C      **Air Temp Wet:** 27 °C      **Secchi Depth:** 38 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.774	29.771	35.916	22.493	534.42	1546.25	4.627		10.07
20	29.817	29.812	36.063	22.589	525.68	1546.66	4.608		20.14
30	29.652	29.645	36.159	22.716	513.90	1546.59	4.644		30.20
50	25.763	25.751	36.270	24.068	385.60	1538.42	5.420		50.34
75	23.582	23.566	36.323	24.769	319.73	1533.61	5.384		75.52
100	21.619	21.599	36.272	25.293	270.71	1528.93	5.131		100.69
125	19.559	19.536	36.429	25.970	207.06	1523.93	3.961		125.88
150	17.619	17.594	36.352	26.403	166.52	1518.71	3.624		151.06
200	14.874	14.844	35.972	26.750	134.50	1510.74	3.564		201.44
250	13.238	13.202	35.714	26.899	121.26	1505.98	3.728		251.83
300	11.946	11.906	35.503	26.991	113.26	1502.22	3.805		302.23
400	9.909	9.862	35.211	27.133	100.86	1496.39	3.664		403.07
500	8.354	8.300	35.027	27.242	91.20	1492.13	3.663		503.96
600	7.098	7.039	34.927	27.348	81.47	1488.89	3.863		604.90
700	6.233	6.168	34.904	27.447	72.42	1487.15	4.148		705.89
800	5.594	5.523	34.911	27.534	64.63	1486.28	4.486		806.92

**Cruise:** GULFCET 06      **Station:** 12-125  
**Date:** 29-Aug-93      **Time:** 1042      **Lat:** 29 06.32      **Long:** 88 49.97  
**Depth:** 91 m      **Wind Dir:** 341 °      **Wind Speed:** 4.8 m/s      **Wave Dir:** °  
**Barometer:** 29.91 in.      **Air Temp Dry:** 28.2 °C      **Air Temp Wet:** 25.8 °C      **Secchi Depth:** 4 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	26.121	26.119	31.401	20.285	745.96	1533.38	3.846	1.723	10.07
20	23.786	23.782	36.162	24.587	334.90	1533.02	4.618	.341	20.14
30	22.046	22.040	36.225	25.138	282.79	1528.83	4.723	.166	30.20
50	20.598	20.589	36.331	25.619	237.79	1525.43	3.757	.115	50.34
75	18.785	18.772	36.438	26.177	185.55	1520.93	3.030	.106	75.52

**Cruise:** GULFCET 06      **Station:** 13-126  
**Date:** 29-Aug-93      **Time:** 0610      **Lat:** 29 16.51      **Long:** 88 09.91  
**Depth:** 97 m      **Wind Dir:** 293 °      **Wind Speed:** 6.4 m/s      **Wave Dir:** °  
**Barometer:** 29.86 in.      **Air Temp Dry:** 27.2 °C      **Air Temp Wet:** 25.1 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
20	29.789	29.784	35.249	21.987	583.21	1545.76	3.969	.407	20.14
30	25.428	25.422	35.799	23.815	408.86	1536.78	3.875	.419	30.20
50	21.911	21.901	36.249	25.194	278.22	1528.83	4.530	.196	50.34
75	19.716	19.702	36.370	25.884	213.43	1523.47	2.585	.156	75.52

**Cruise:** GULFCET 06      **Station:** 13-133  
**Date:** 29-Aug-93      **Time:** 0053      **Lat:** 28 46.09      **Long:** 88 10.00  
**Depth:** 1850 m      **Wind Dir:** 275 °      **Wind Speed:** 2.4 m/s      **Wave Dir** °  
**Barometer:** 29.87 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
30	29.572	29.565	36.102	22.701	515.33	1546.36	4.267		30.20
50	25.844	25.832	36.251	24.028	389.41	1538.59	4.452		50.34
75	21.583	21.568	36.339	25.354	263.91	1528.49	4.603		75.52
100	19.190	19.172	36.455	26.086	195.11	1522.51	3.583		100.69
125	17.328	17.307	36.320	26.450	161.17	1517.40	3.388		125.88
150	16.577	16.553	36.242	26.569	150.52	1515.48	3.571		151.06
200	15.101	15.070	36.012	26.731	136.39	1511.50	3.694		201.44
250	13.585	13.549	35.761	26.863	124.75	1507.18	3.405		251.83
300	11.920	11.880	35.503	26.996	112.77	1502.13	3.332		302.23
400	10.114	10.067	35.233	27.115	102.73	1497.16	3.254		403.07
500	8.314	8.261	35.020	27.242	91.11	1491.97	3.269		503.96
600	7.106	7.047	34.924	27.344	81.84	1488.92	3.448		604.90
700	6.313	6.248	34.900	27.433	73.89	1487.46	3.706		705.89
800	5.717	5.646	34.907	27.515	66.57	1486.77	3.989		806.92

**Cruise:** GULFCET 06      **Station:** 13-134  
**Date:** 28-Aug-93      **Time:** 2238      **Lat:** 28 36.96      **Long:** 88 10.05  
**Depth:** 2000 m      **Wind Dir:** 289 °      **Wind Speed:** 1.9 m/s      **Wave Dir** °  
**Barometer:** 29.89 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.600	30.598	35.249	21.709	609.45	1547.26	4.186		10.07
20	30.328	30.323	35.603	22.068	575.49	1547.24	4.203		20.14
30	30.081	30.074	36.036	22.478	536.72	1547.35	4.231		30.20
50	26.444	26.433	36.171	23.779	413.15	1539.90	4.420		50.34
75	22.288	22.273	36.513	25.288	270.30	1530.53	4.442		75.52
100	20.079	20.060	36.559	25.932	209.82	1525.10	3.756		100.69
125	18.007	17.985	36.415	26.356	170.17	1519.50	3.460		125.88
150	16.634	16.609	36.243	26.557	151.72	1515.65	3.405		151.06
200	14.648	14.618	35.939	26.775	132.09	1509.98	3.543		201.44
250	13.275	13.239	35.715	26.892	121.96	1506.10	3.337		251.83
300	11.969	11.929	35.509	26.992	113.20	1502.31	3.280		302.23
400	9.988	9.941	35.219	27.126	101.58	1496.69	3.158		403.07
500	8.367	8.314	35.019	27.234	91.97	1492.17	3.152		503.96
600	7.153	7.094	34.925	27.338	82.45	1489.10	3.304		604.90
700	6.308	6.244	34.899	27.433	73.87	1487.44	3.631		705.89

**Cruise:** GULFCET 06      **Station:** 14-135  
**Date:** 28-Aug-93      **Time:** 1830      **Lat:** 28 30.93      **Long:** 87 31.13  
**Depth:** 2000 m      **Wind Dir:** 67.9 °      **Wind Speed:** 2.0 m/s      **Wave Dir** 0 °  
**Barometer:** 29.84 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 25 °C      **Secchi Depth:** 7.5 m

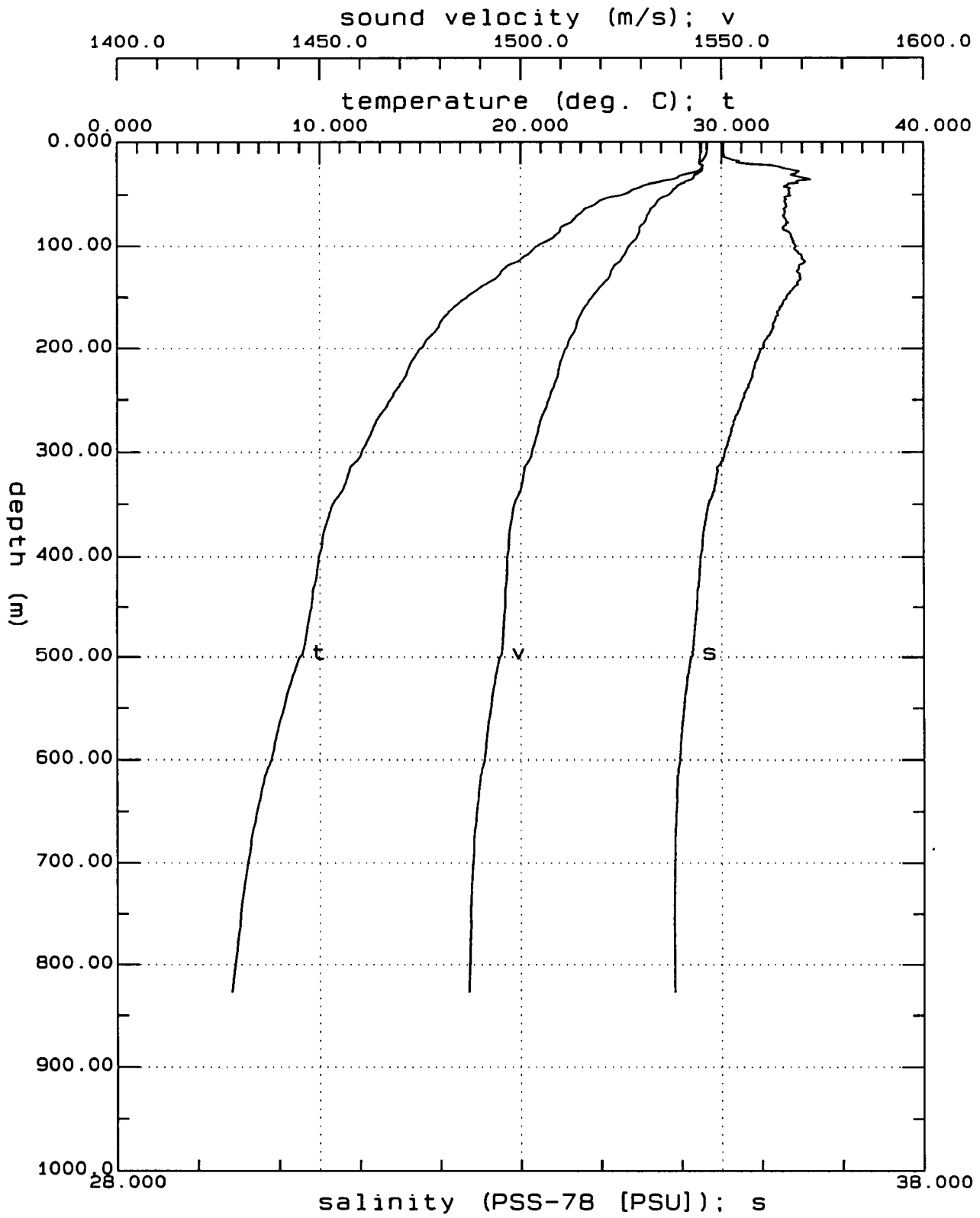
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.226	30.223	32.233	19.579	813.88	1543.36	4.387		10.07
20	30.431	30.426	35.686	22.095	572.91	1547.54	4.126		20.14
30	28.660	28.653	35.619	22.644	520.76	1543.92	4.355		30.20
50	25.165	25.154	36.267	24.251	368.17	1537.00	4.773		50.34
75	22.615	22.599	36.619	25.275	271.49	1531.49	4.490		75.52
100	19.694	19.676	36.406	25.917	211.18	1523.87	3.824		100.69
125	18.154	18.132	36.430	26.330	172.65	1519.94	3.308		125.88
150	16.777	16.752	36.262	26.538	153.54	1516.11	3.480		151.06
200	14.819	14.788	35.969	26.760	133.53	1510.56	3.453		201.44
250	13.193	13.157	35.703	26.899	121.20	1505.82	3.427		251.83
300	11.948	11.908	35.504	26.992	113.18	1502.23	3.410		302.23
400	9.871	9.824	35.199	27.130	101.07	1496.24	3.291		403.07
500	8.503	8.449	35.033	27.223	93.10	1492.69	3.242		503.96
600	7.292	7.232	34.927	27.321	84.26	1489.64	3.418		604.90
700	6.538	6.472	34.899	27.402	77.10	1488.34	3.659		705.89
800	5.838	5.766	34.904	27.498	68.41	1487.25	4.009		806.92

**Cruise:** GULFCET 06      **Station:** 14-136  
**Date:** 28-Aug-93      **Time:** 1457      **Lat:** 28 45.88      **Long:** 87 29.98  
**Depth:** 1600 m      **Wind Dir:** 38.4 °      **Wind Speed:** 4.7 m/s      **Wave Dir:** 250°  
**Barometer:** 29.85 in.      **Air Temp Dry:** 28 °C      **Air Temp Wet:** 26 °C      **Secchi Depth:** 7 m

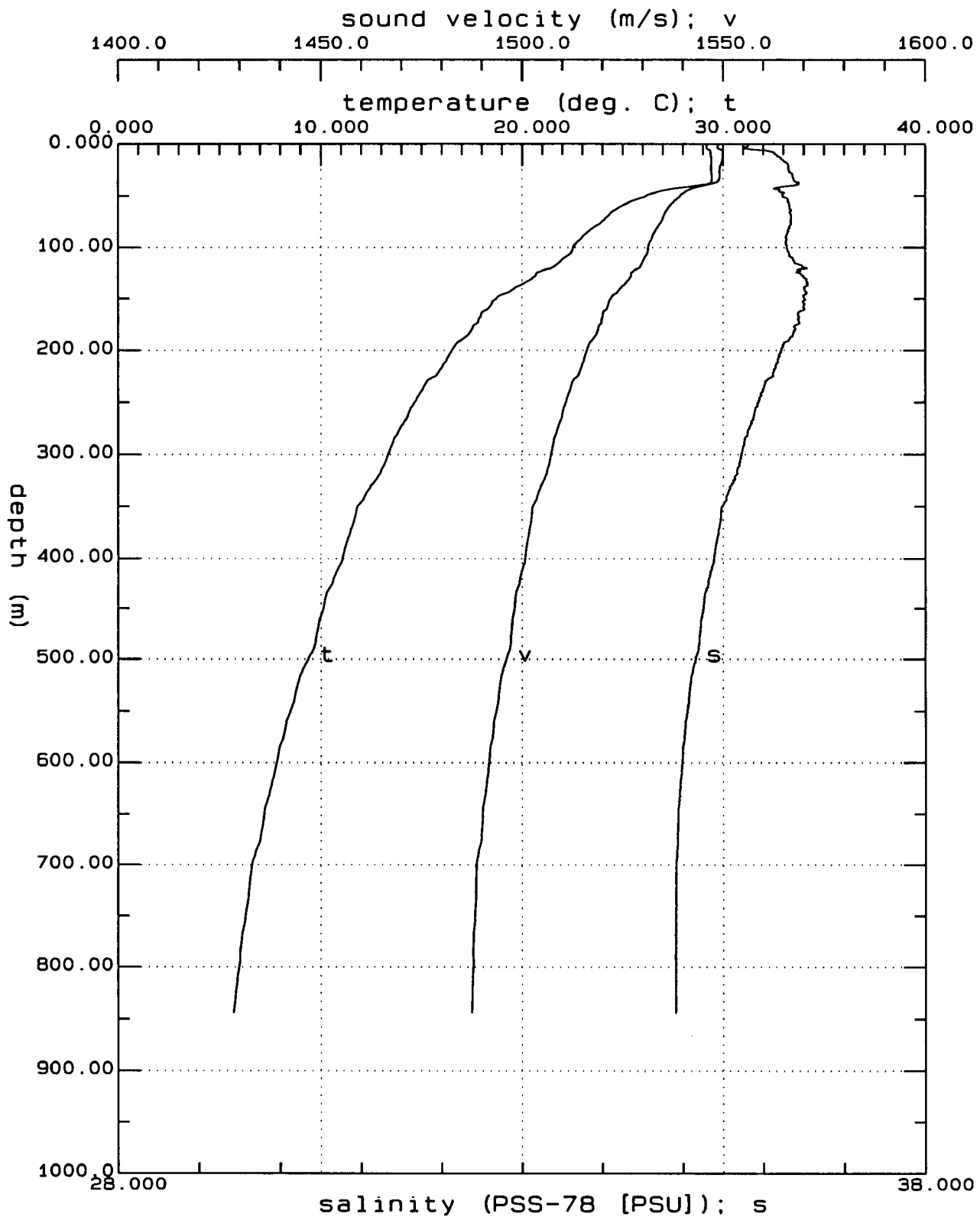
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	30.719	30.716	34.557	21.150	663.04	1546.78	4.380		10.07
20	30.419	30.414	35.277	21.793	601.86	1547.09	4.248		20.14
30	29.458	29.451	35.681	22.424	541.85	1545.68	4.350		30.20
50	25.515	25.504	36.095	24.012	390.90	1537.65	4.681		50.34
75	22.000	21.985	36.283	25.195	279.12	1529.53	4.716		75.52
100	19.900	19.881	36.542	25.966	206.57	1524.59	3.875		100.69
125	17.539	17.517	36.367	26.434	162.70	1518.07	3.588		125.88
150	16.297	16.272	36.205	26.607	146.92	1514.59	3.549		151.06
200	14.323	14.293	35.884	26.802	129.42	1508.88	3.654		201.44
250	12.755	12.720	35.630	26.931	118.01	1504.28	3.424		251.83
300	11.472	11.434	35.433	27.026	109.69	1500.51	3.430		302.23
400	9.661	9.615	35.169	27.142	99.81	1495.45	3.308		403.07
500	8.675	8.621	35.052	27.211	94.39	1493.36	3.244		503.96
600	7.315	7.256	34.929	27.319	84.46	1489.73	3.390		604.90
700	6.472	6.406	34.903	27.415	75.84	1488.09	3.632		705.89

**Cruise:** GULFCET 06      **Station:** 14-143  
**Date:** 28-Aug-93      **Time:** 0826      **Lat:** 29 24.99      **Long:** 87 30.00  
**Depth:** 90 m      **Wind Dir:** 354.1 °      **Wind Speed:** 5.7 m/s      **Wave Dir:** 0 °  
**Barometer:** 29.92 in.      **Air Temp Dry:** 21.5 °C      **Air Temp Wet:** 24.7 °C      **Secchi Depth:** 9 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	29.470	29.467	31.088	18.977	871.86	1540.57	4.947	.672	10.07
20	28.619	28.614	34.477	21.800	601.09	1542.46	4.258	.473	20.14
30	24.411	24.404	35.485	23.888	401.95	1533.99	4.518	.374	30.20
50	21.403	21.393	36.346	25.409	257.74	1527.60	4.817	.322	50.34

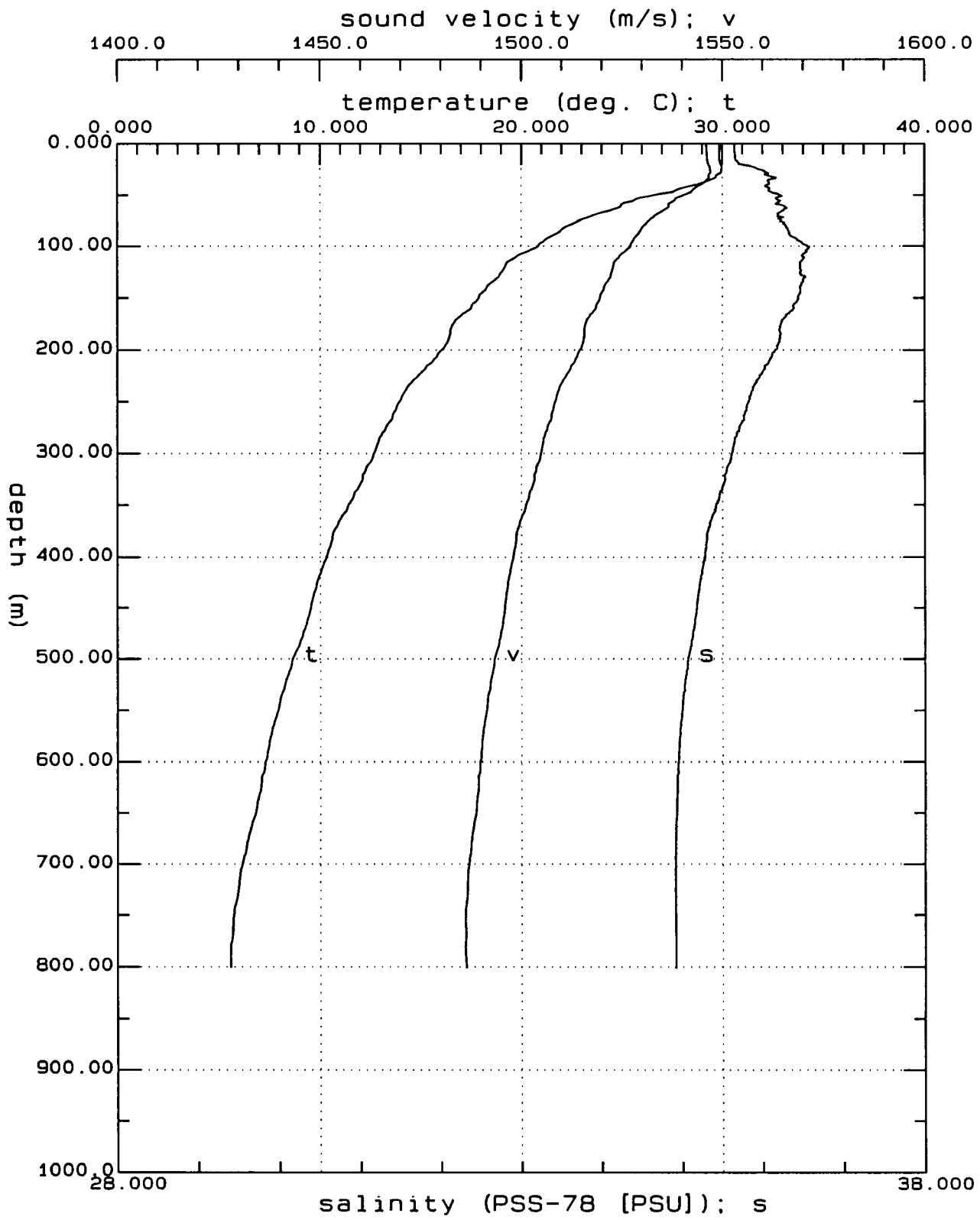


04-031.CNV: Gulfcet Cruise 06

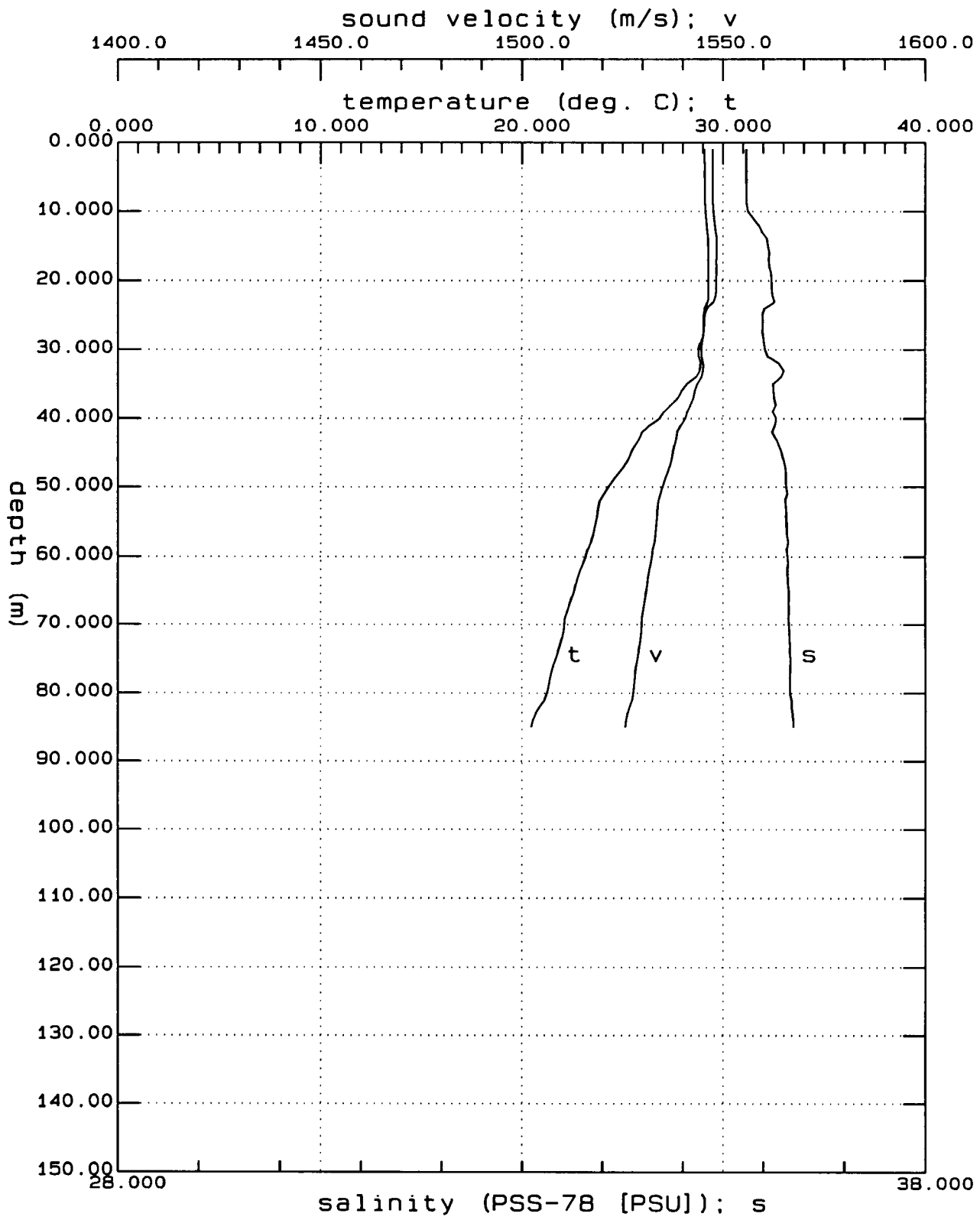


04-033.CNV: Gulfcet Cruise 06

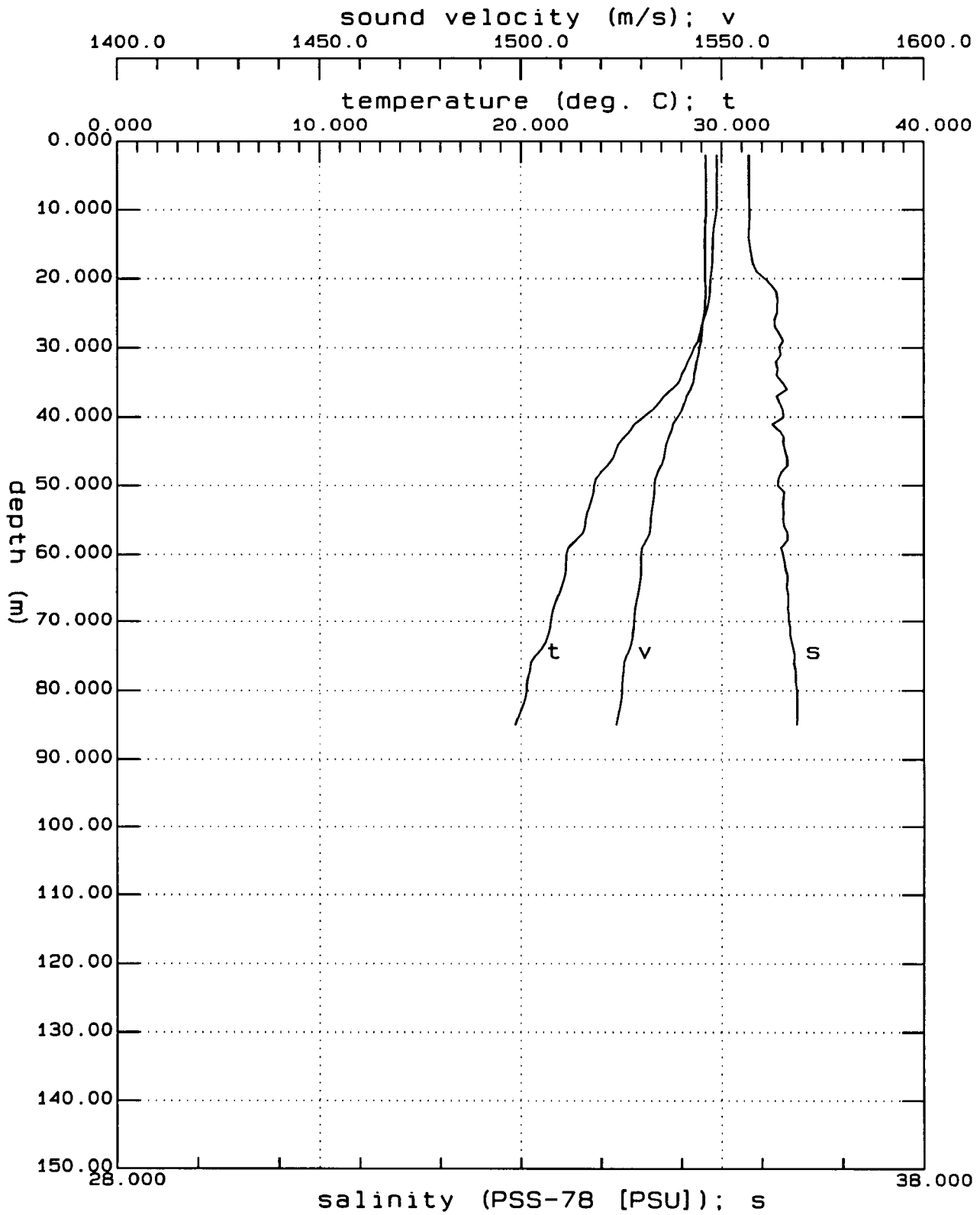




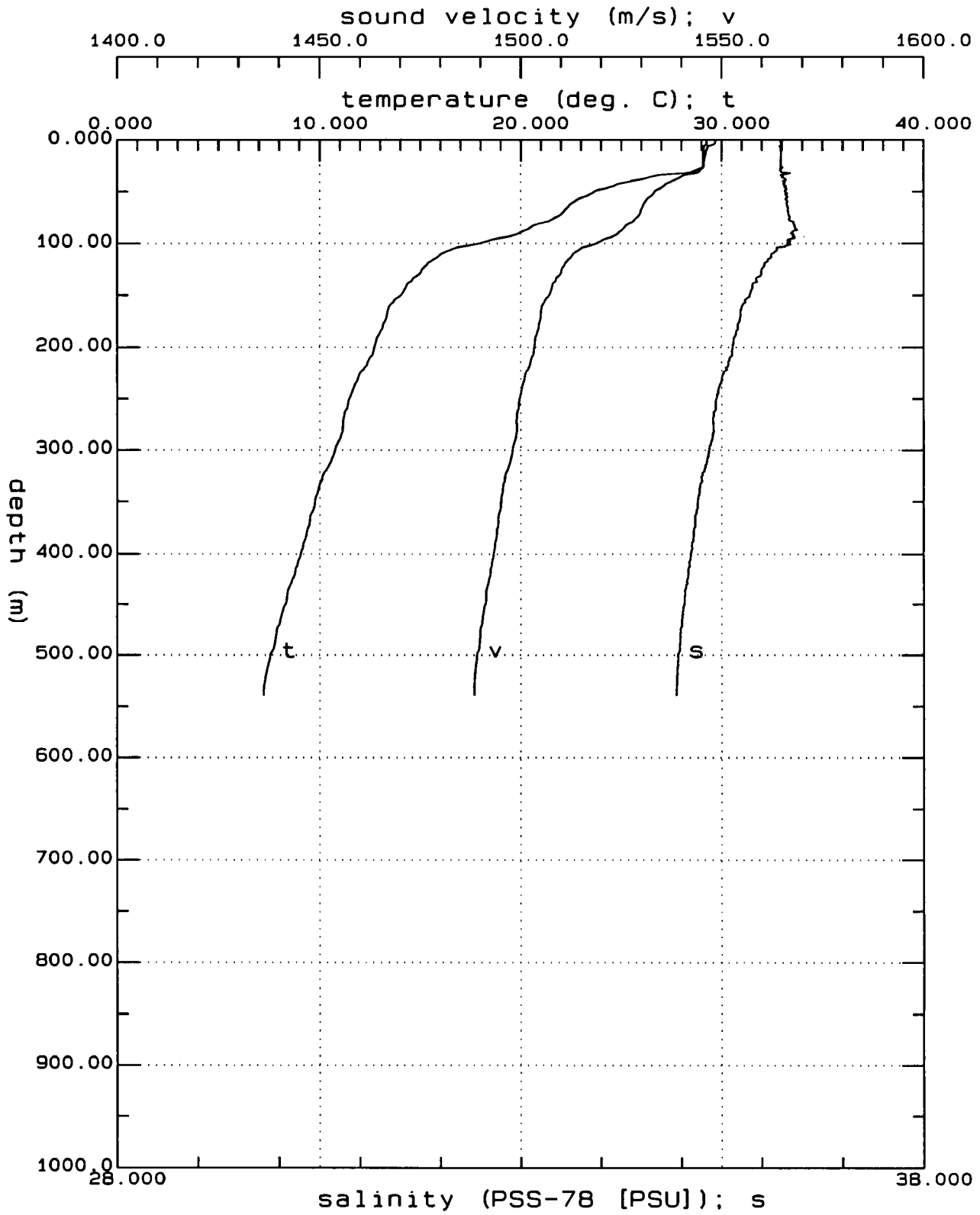
04-036.CNV: Gulfcet Cruise 06



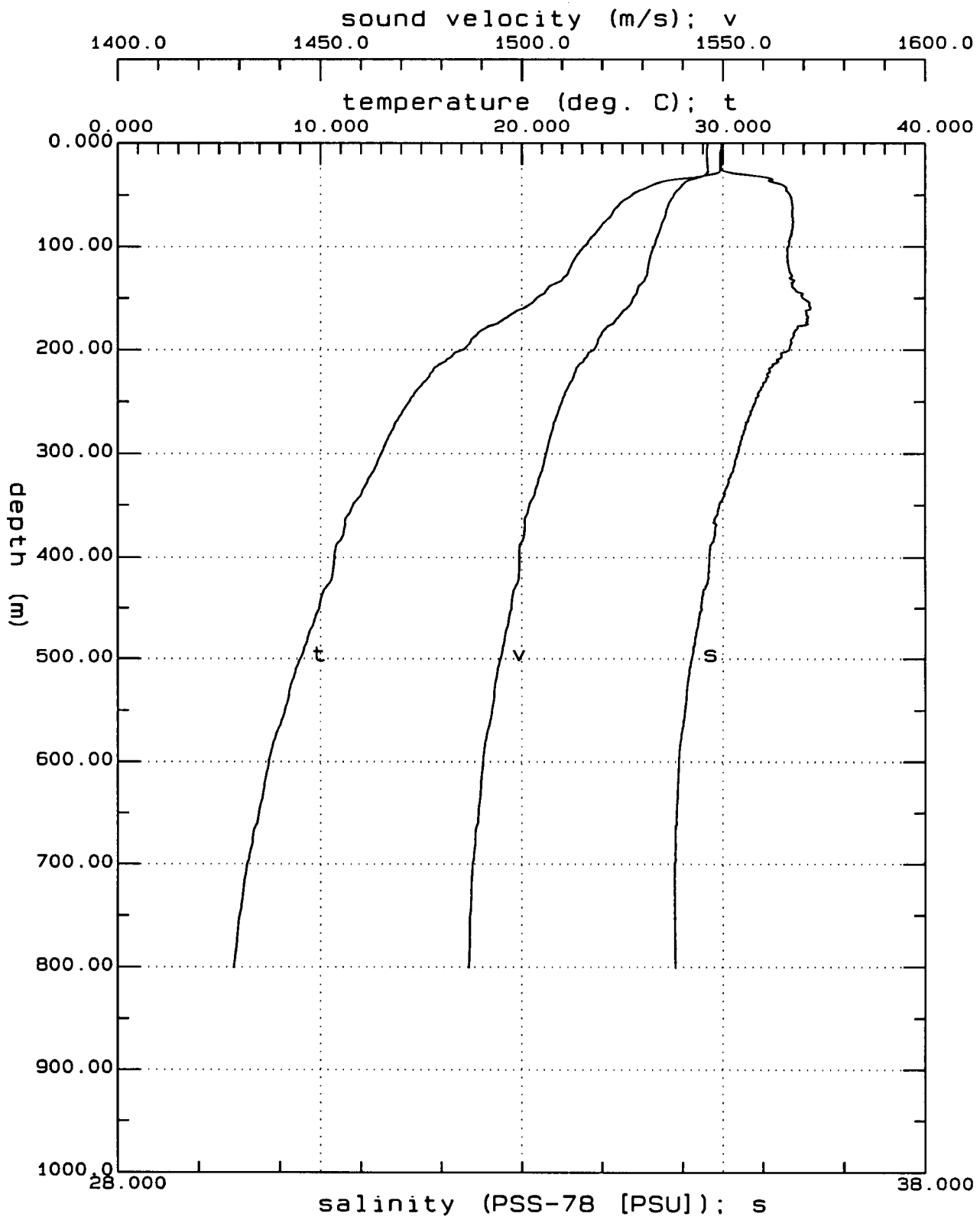
04-042.CNV: Gulfcet Cruise 06



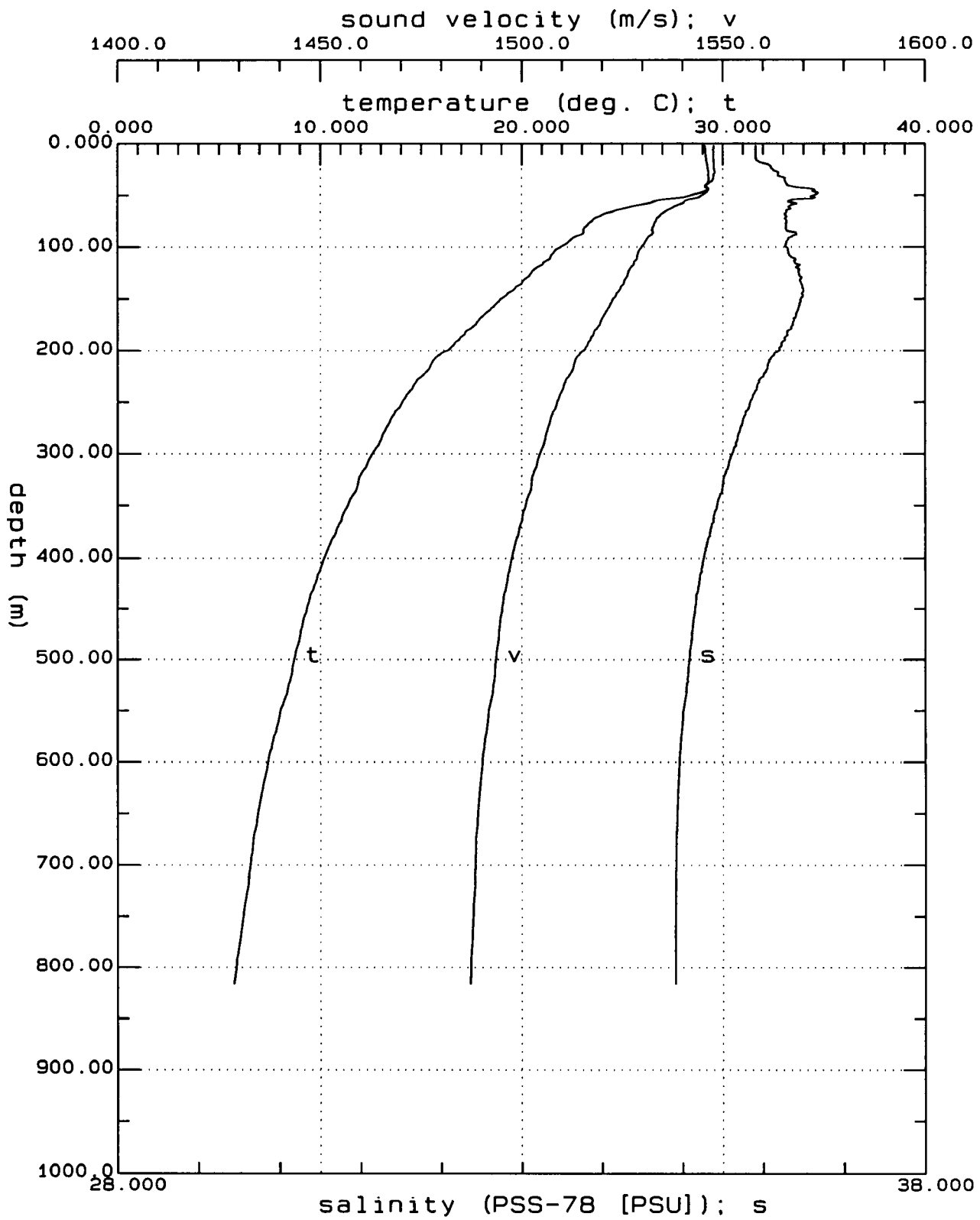
05-043.CNV: Gulfcet Cruise 06



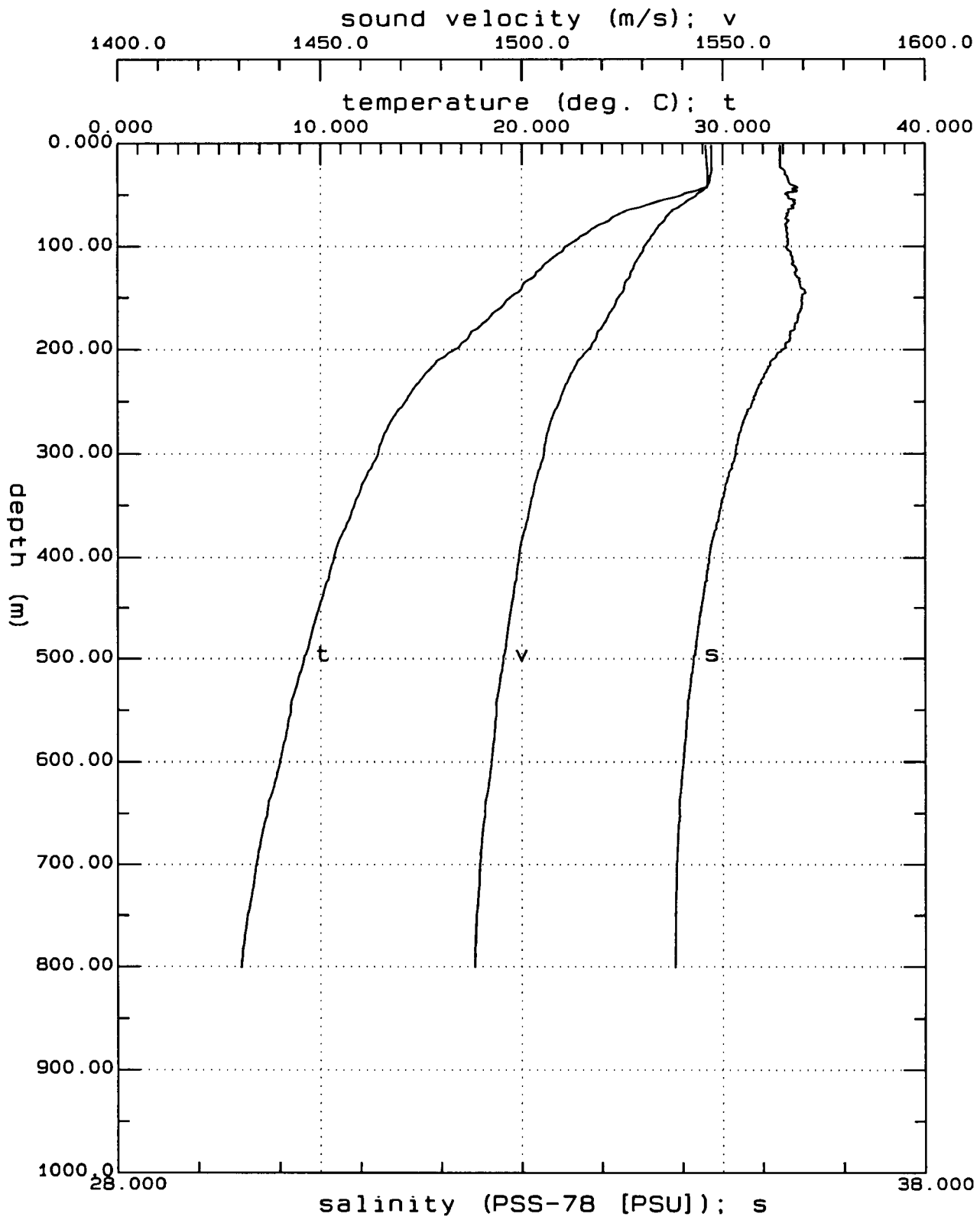
05-047.CNV: Gulfcet Cruise 06



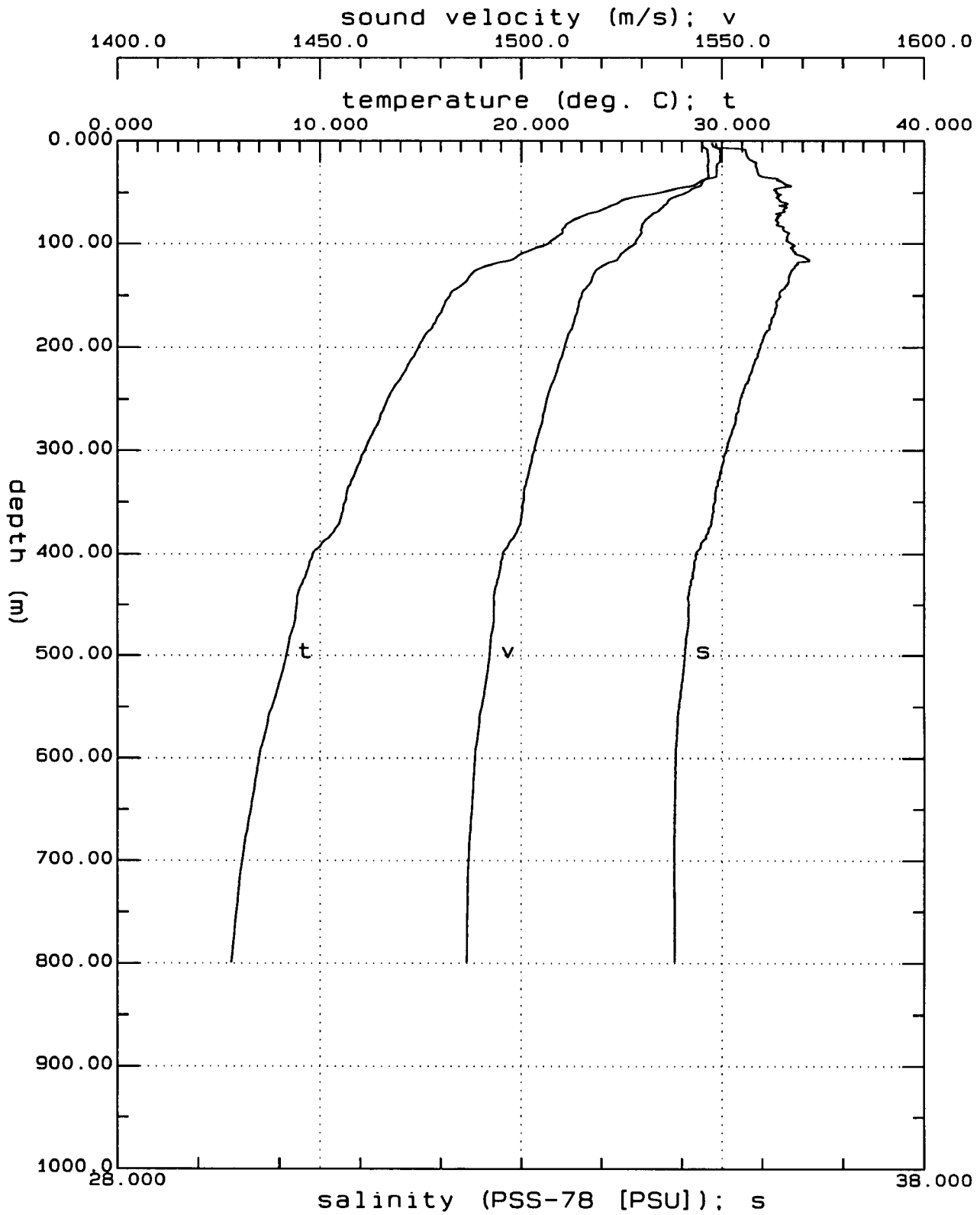
05-050.CNV: Gulfcet Cruise 06



05-053.CNV: Gulfcet Cruise 06

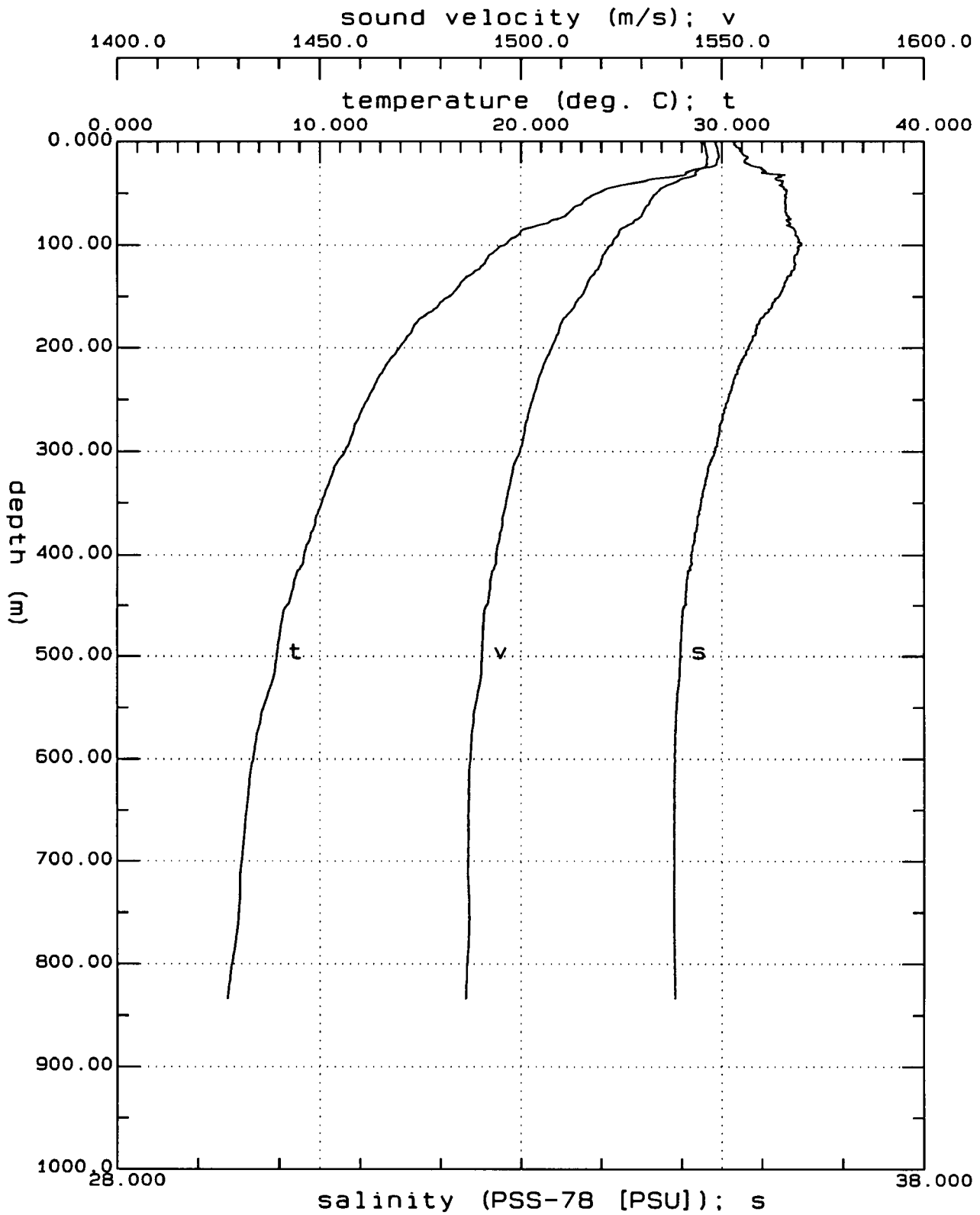


06-054.CNV: Gulfcet Cruise 06

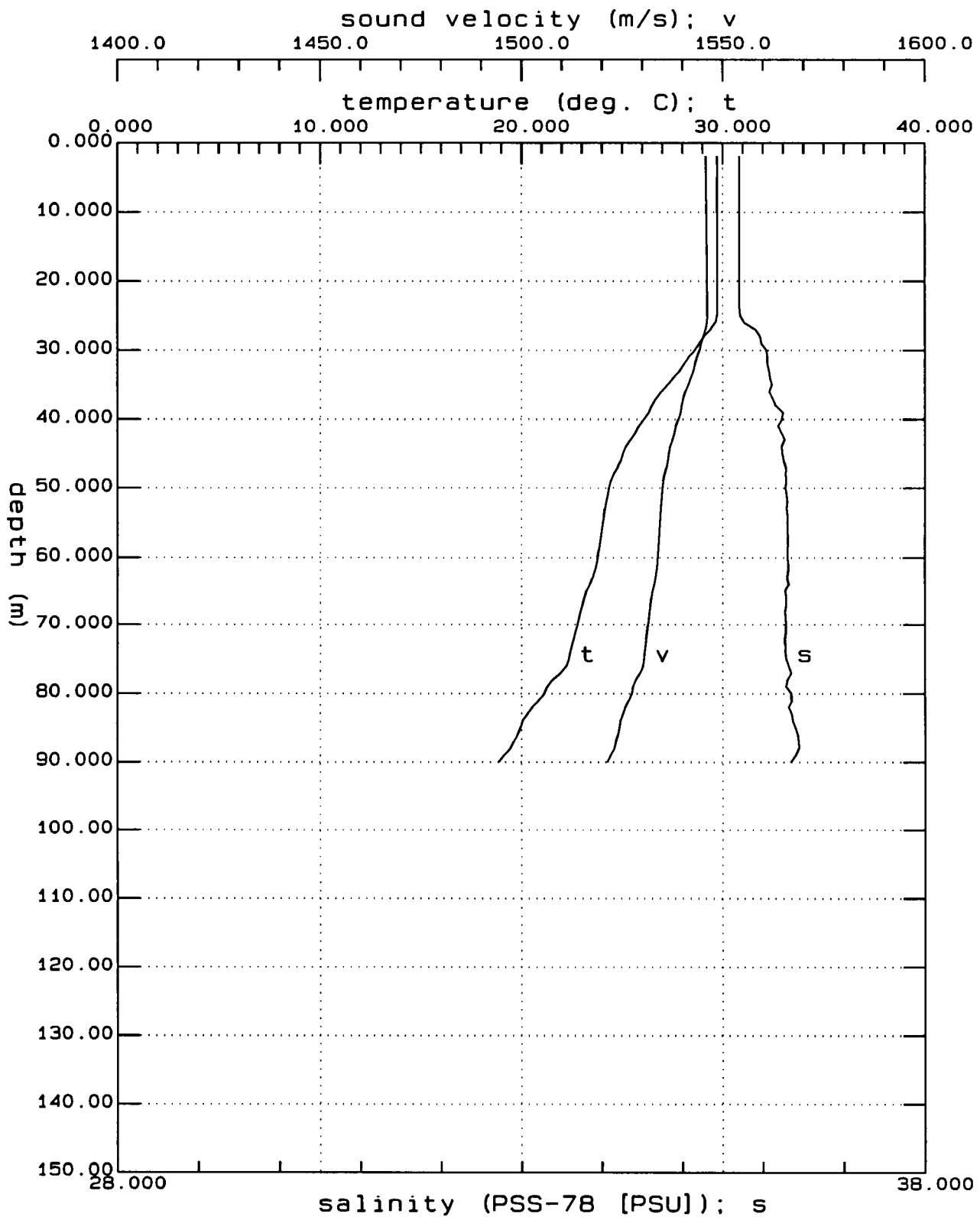


06-055.CNV: Gulfcet Cruise 06

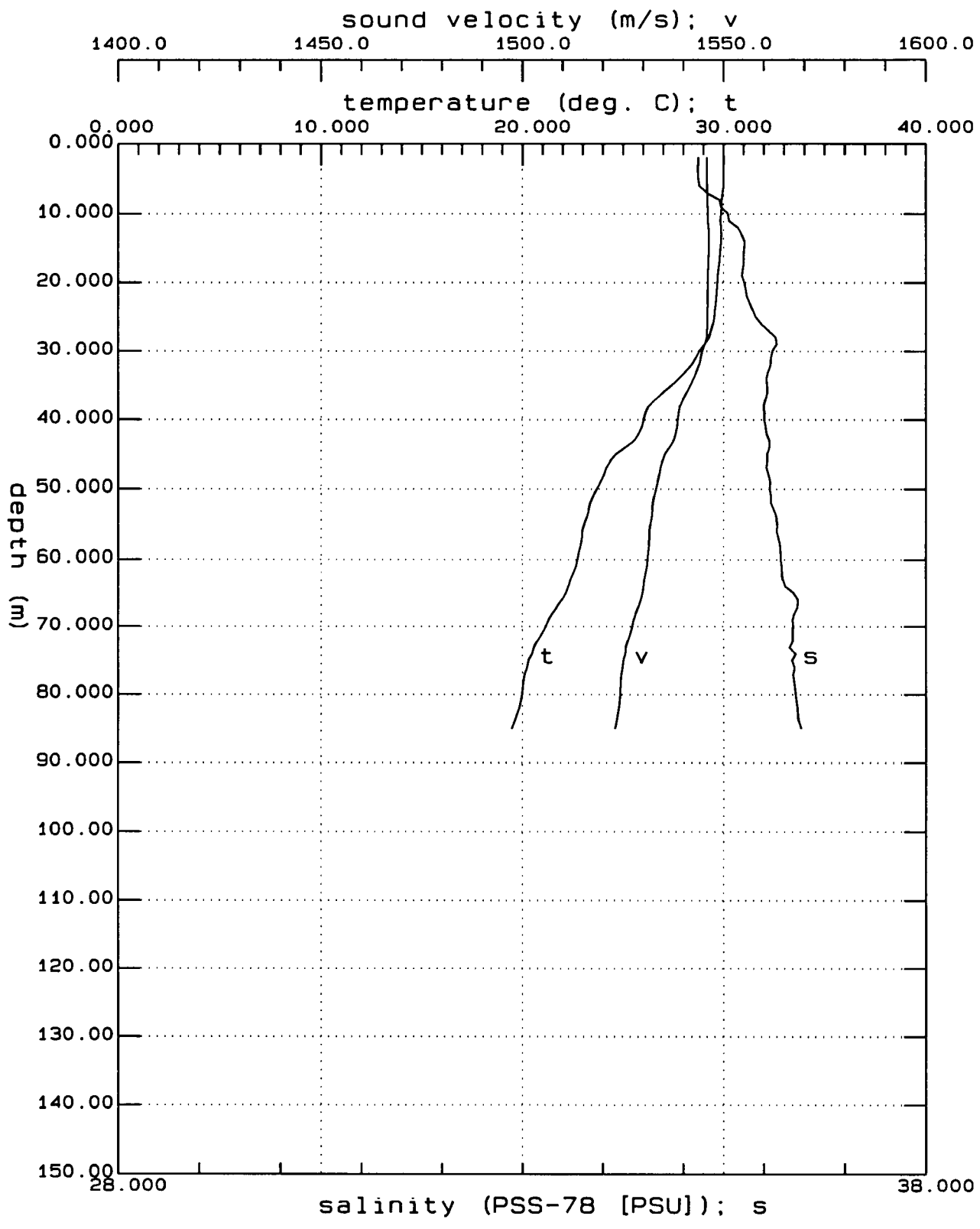




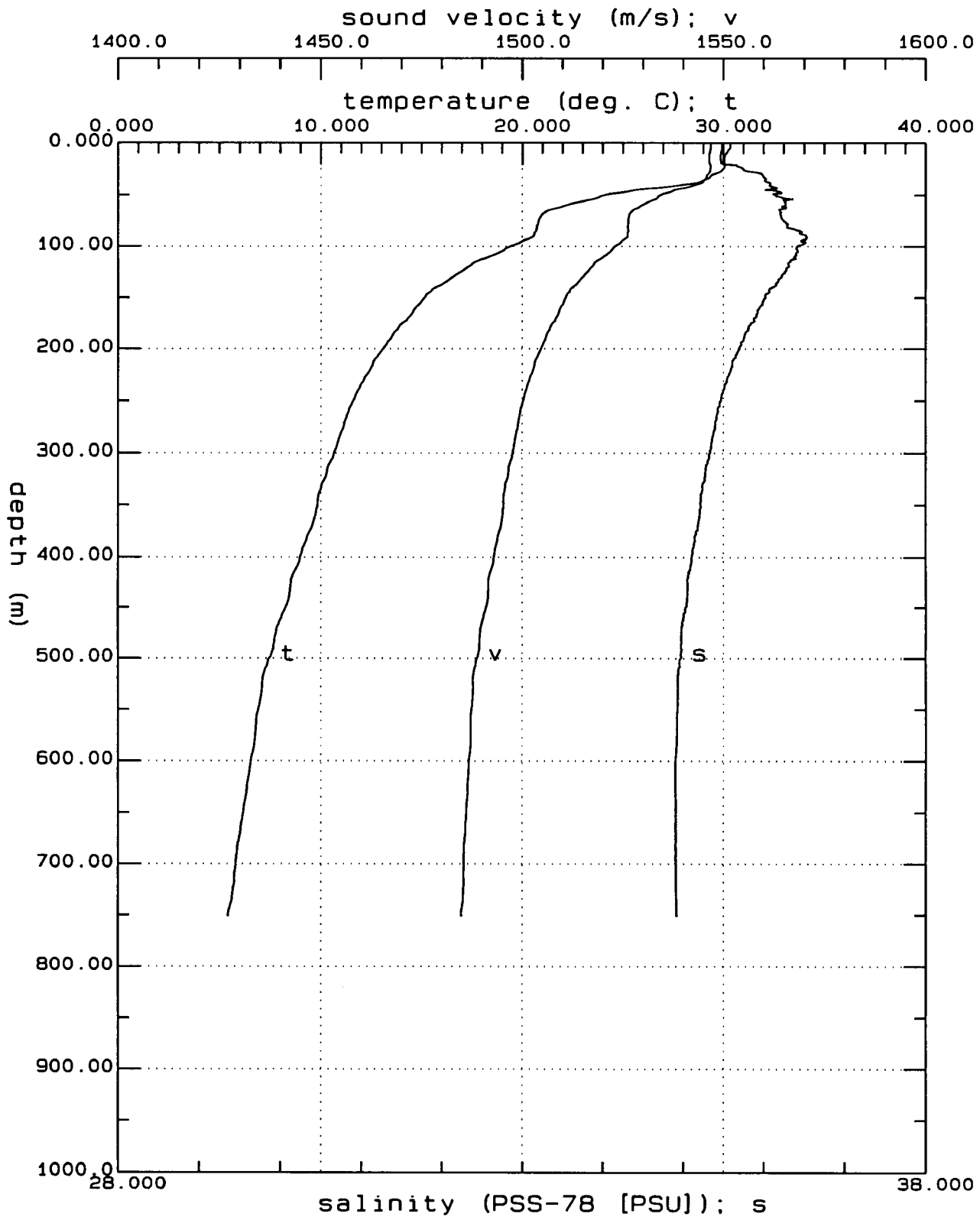
06-059.CNV: Gulfcet Cruise 06



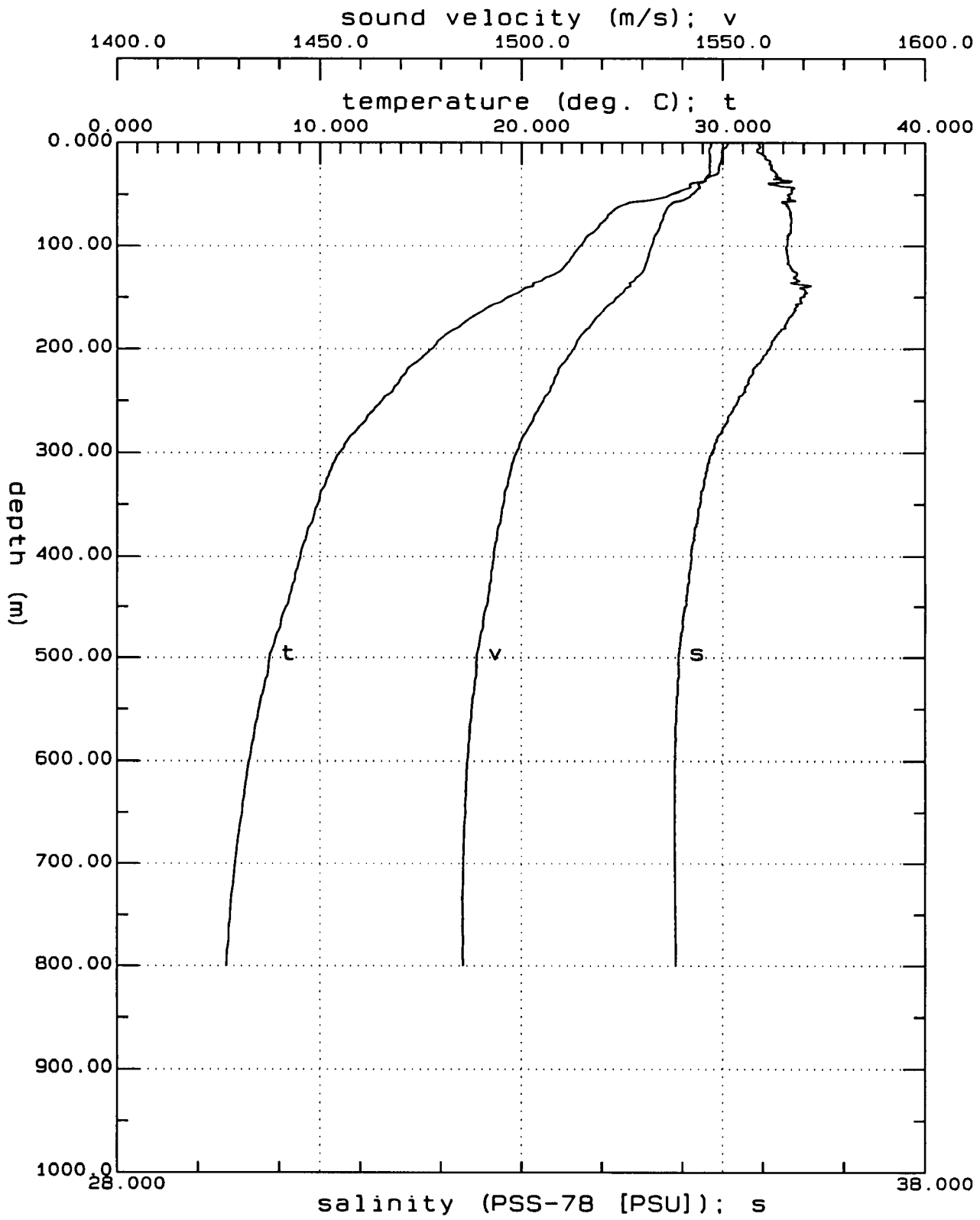
06-064.CNV: Gulfcet Cruise 06



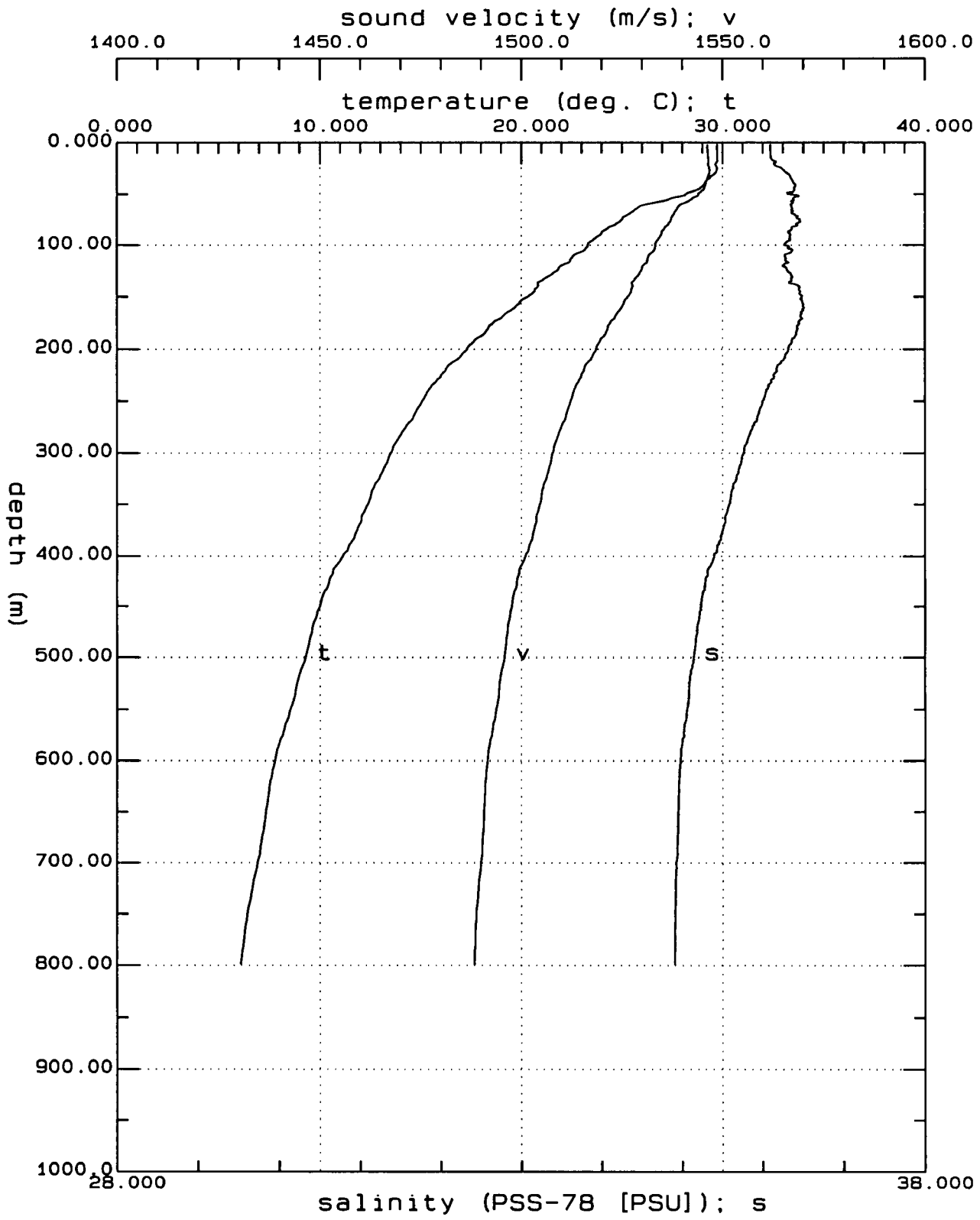
07-065.CNV: Gulfcet Cruise 06



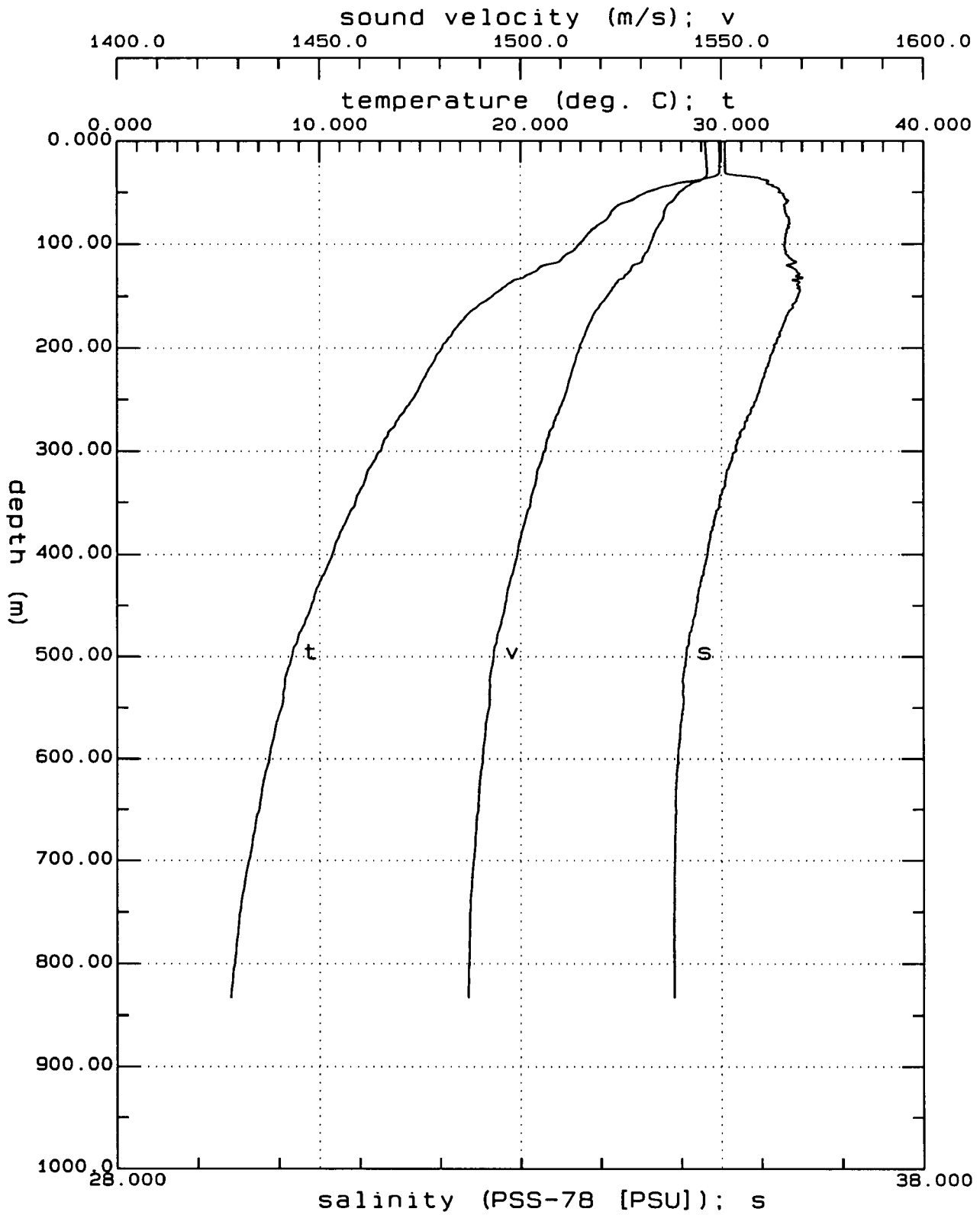
07-071.CNV: Gulfcet Cruise 06



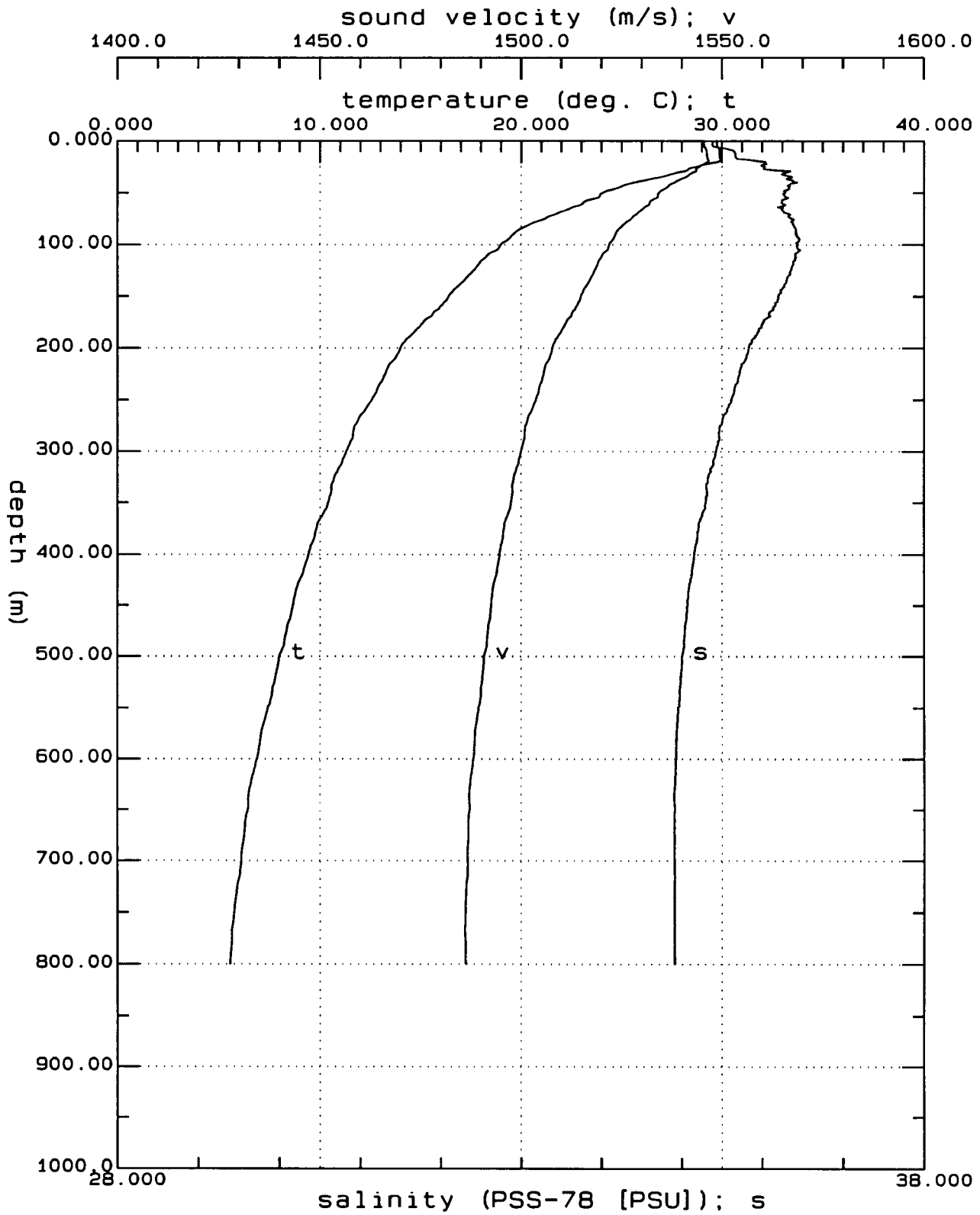
07-073.CNV: Gulfcet Cruise 06



07-075.CNV: Gulfcet Cruise 06

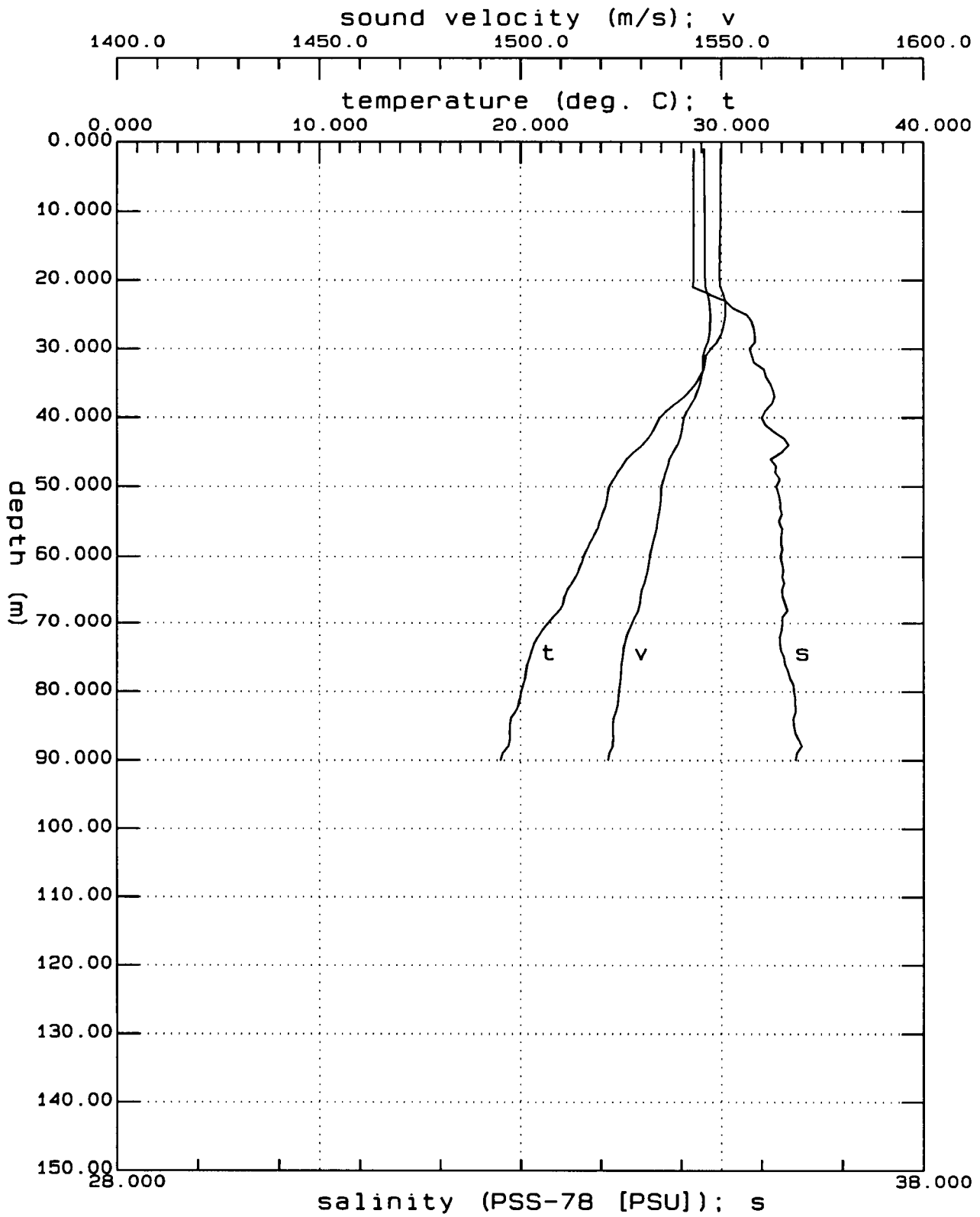


08-076.CNV: Gulfcet Cruise 06

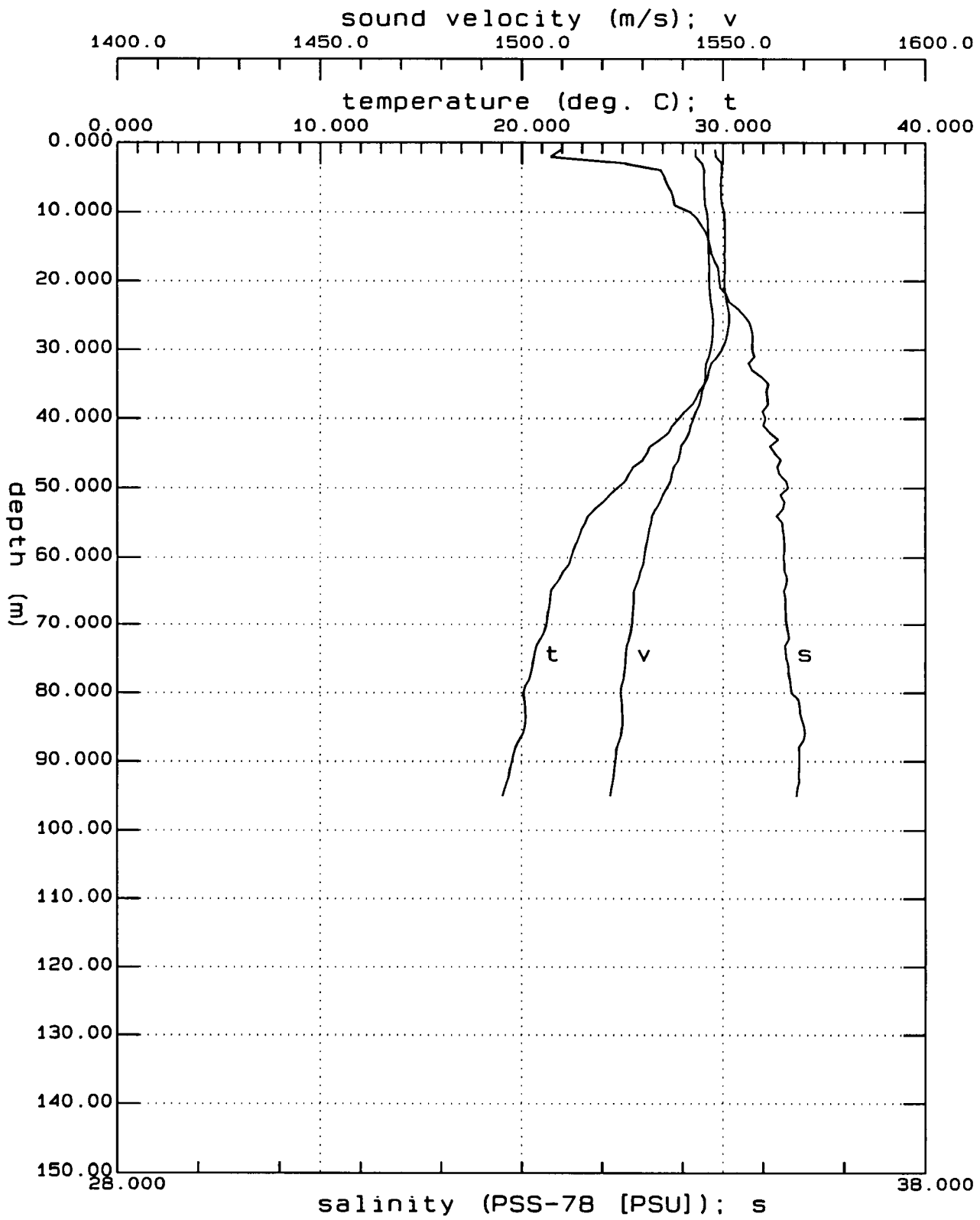


08-080.CNV: Gulfcet Cruise 06

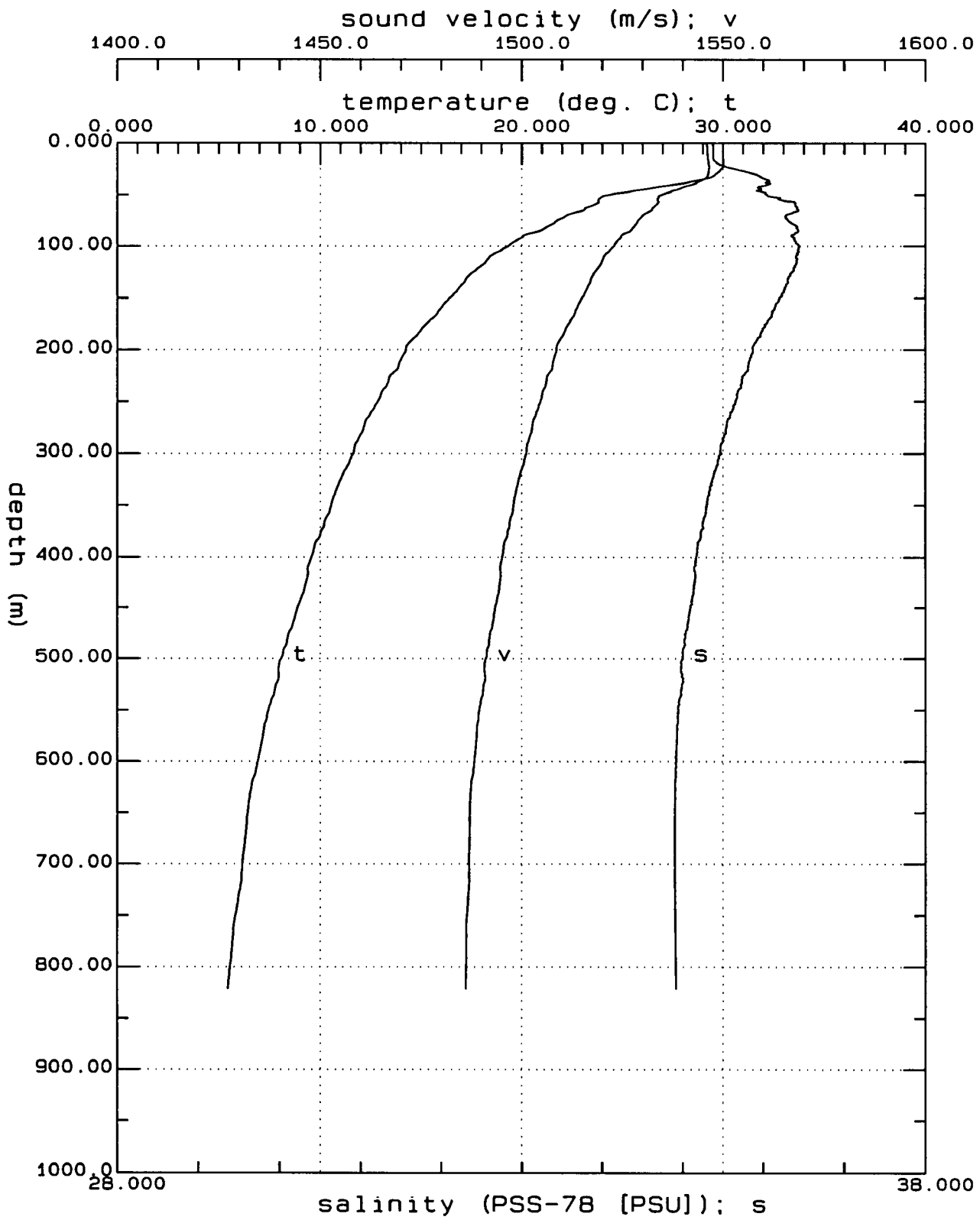




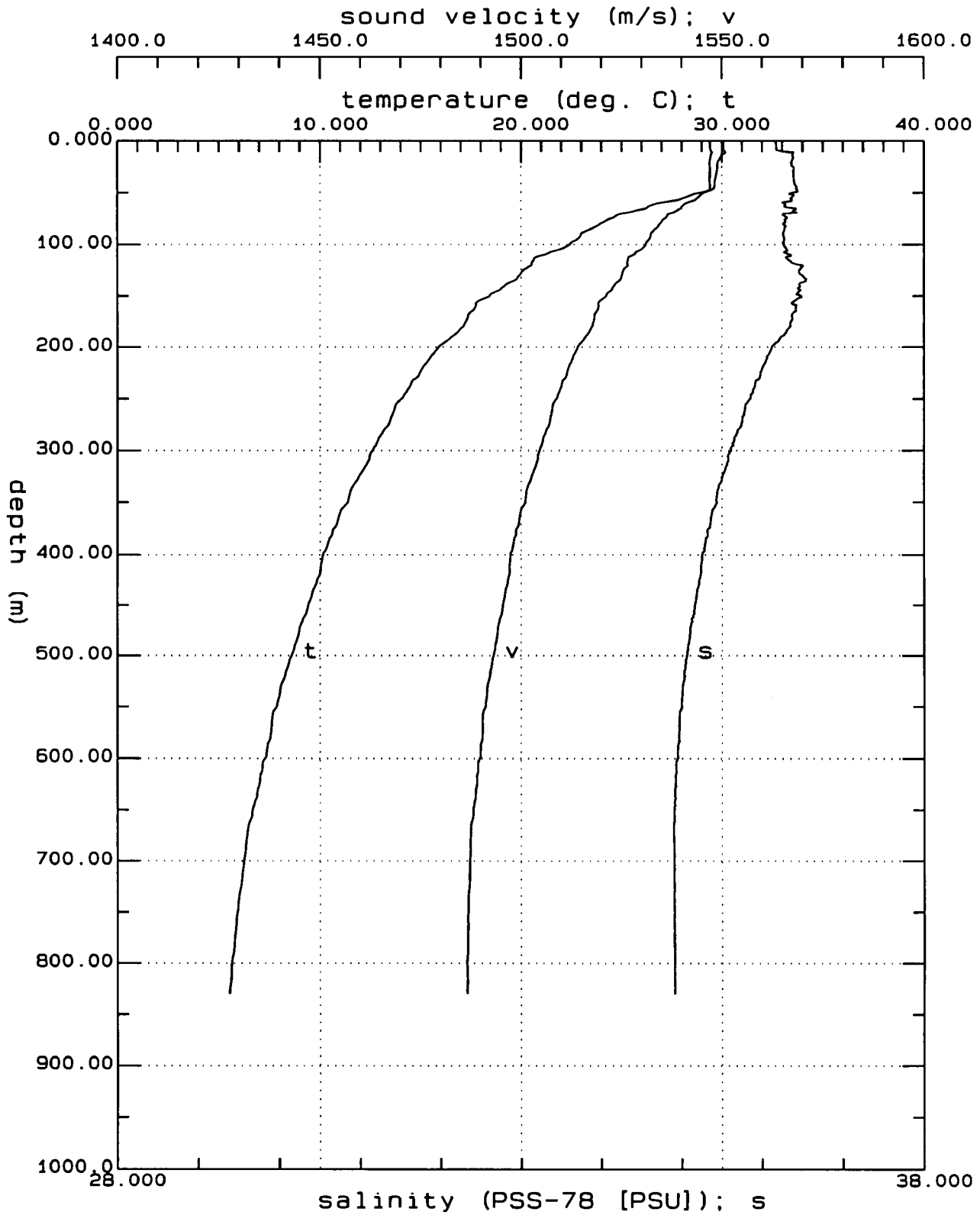
08-086.CNV: Gulfcet Cruise 06



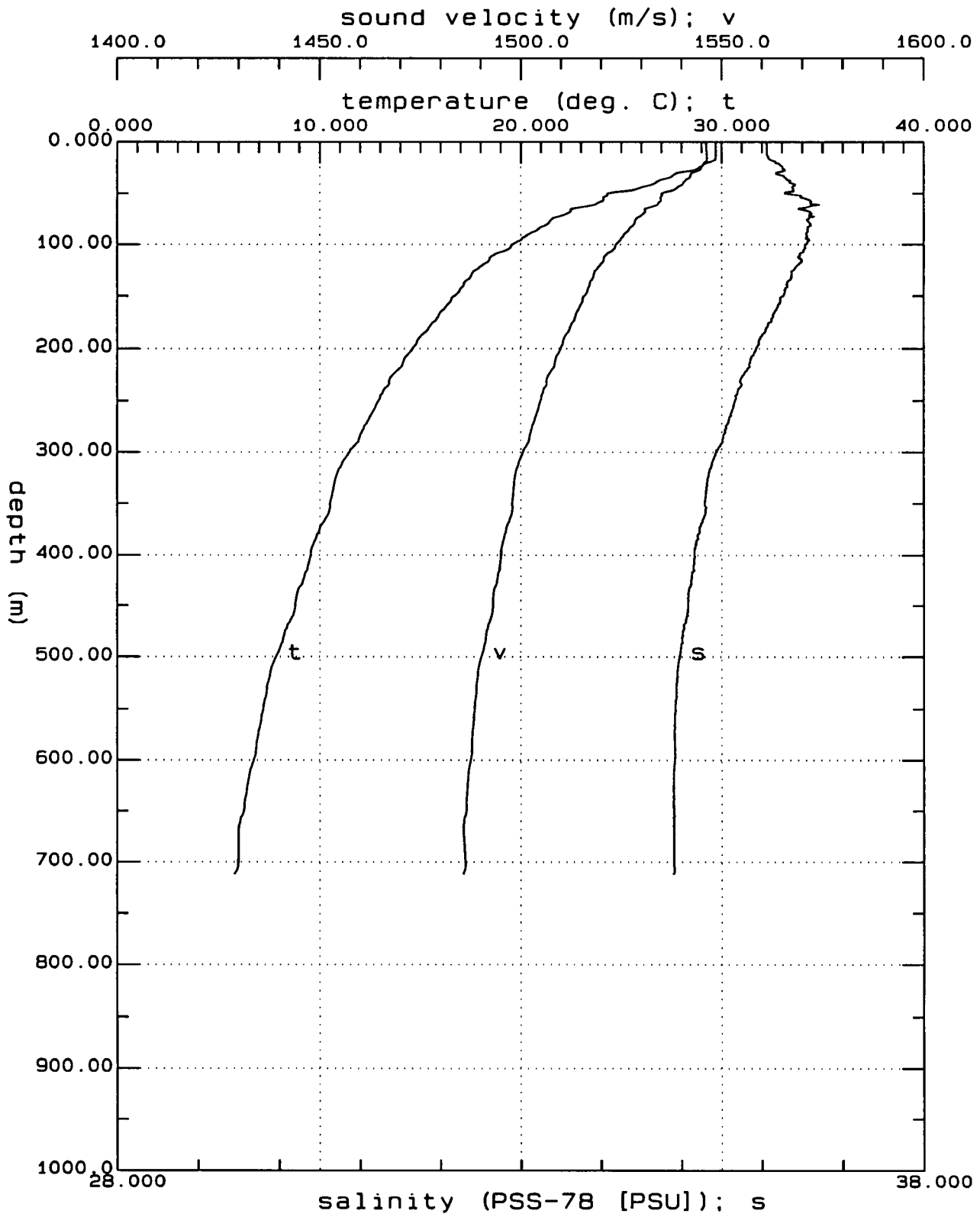
09-087.CNV: Gulfcet Cruise 06



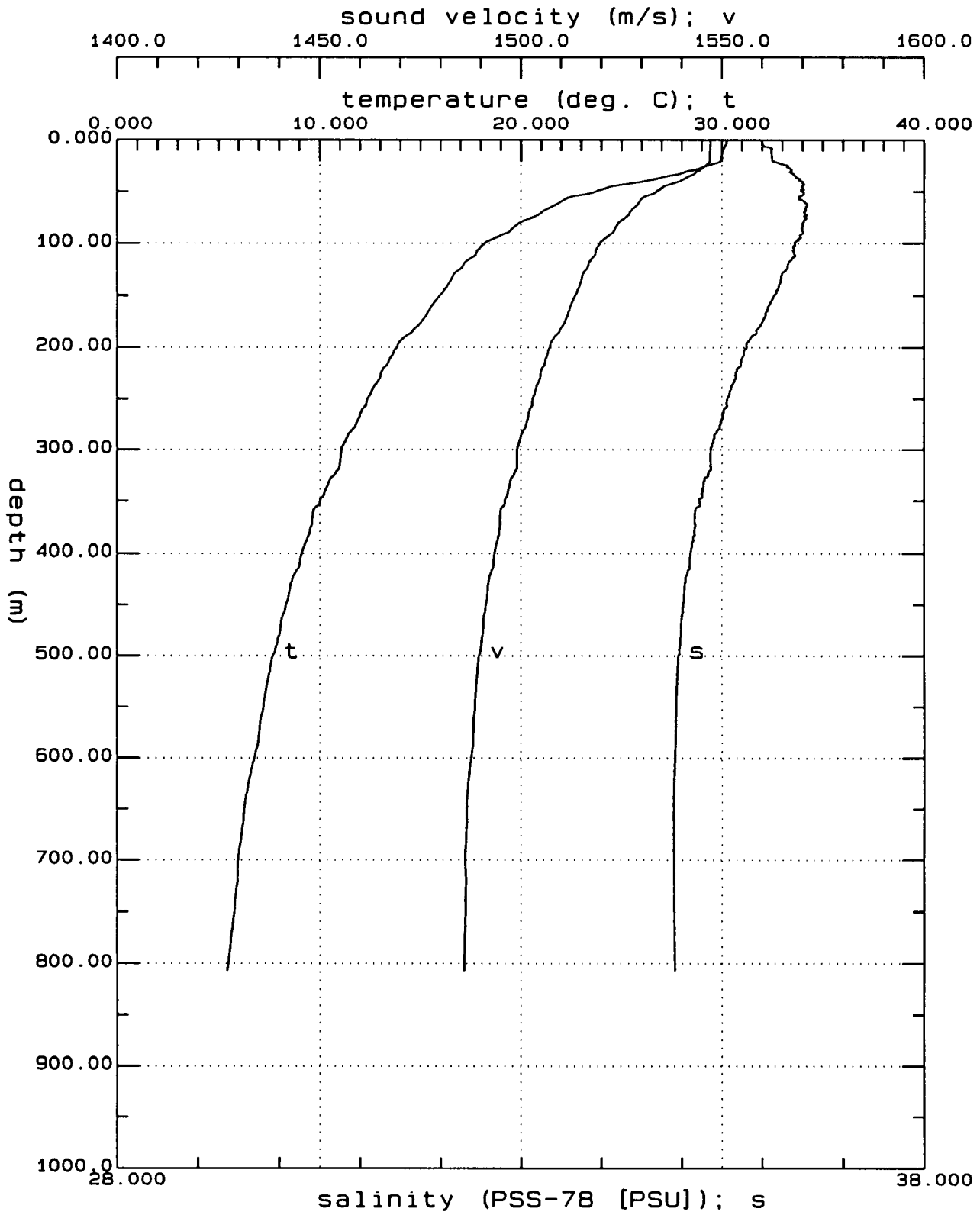
09-093.CNV: Gulfcet Cruise 06



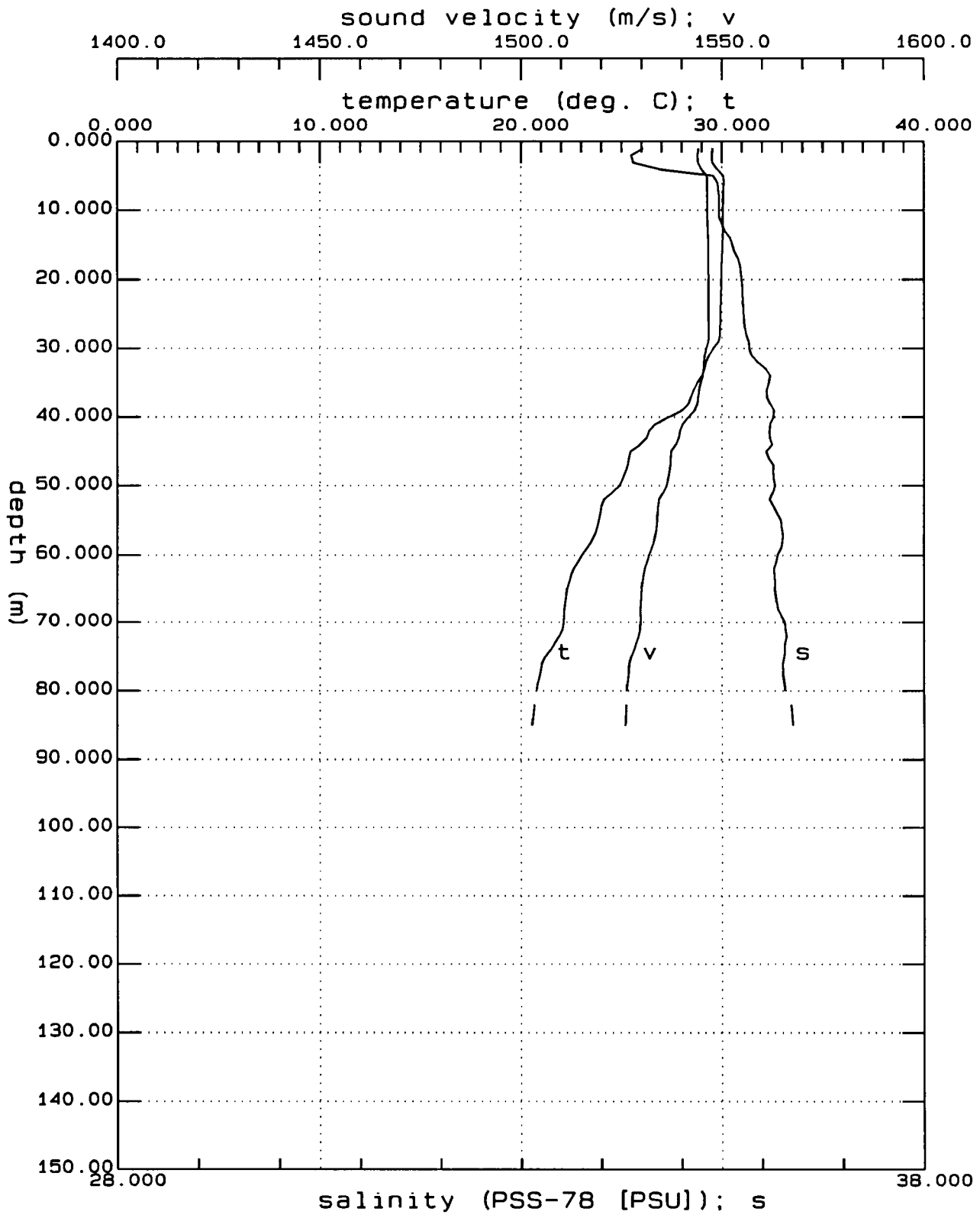
09-096.CNV: Gulfcet Cruise 06



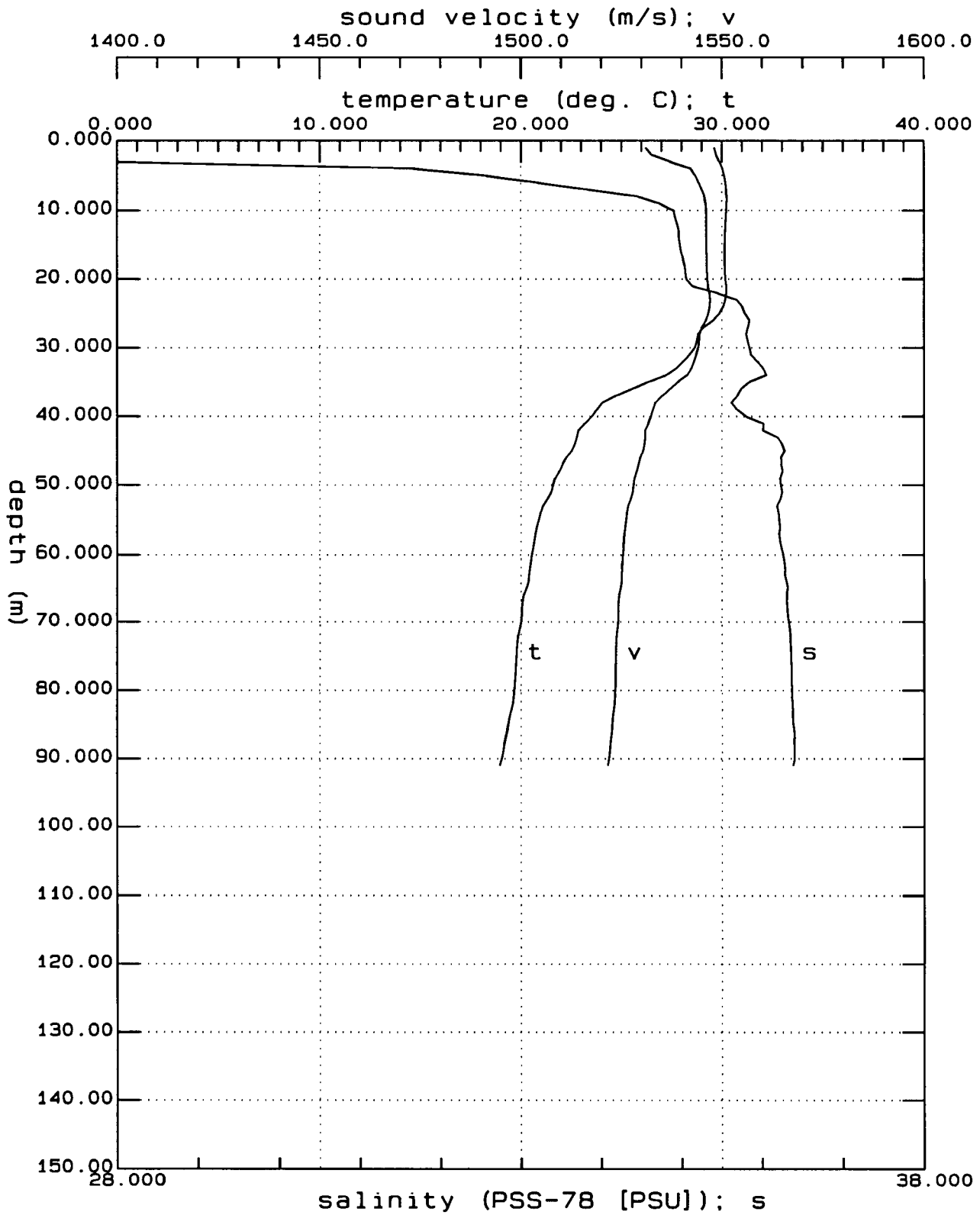
10-100.CNV: Gulfcet Cruise 06



10-097.CNV: Gulfcet Cruise 06

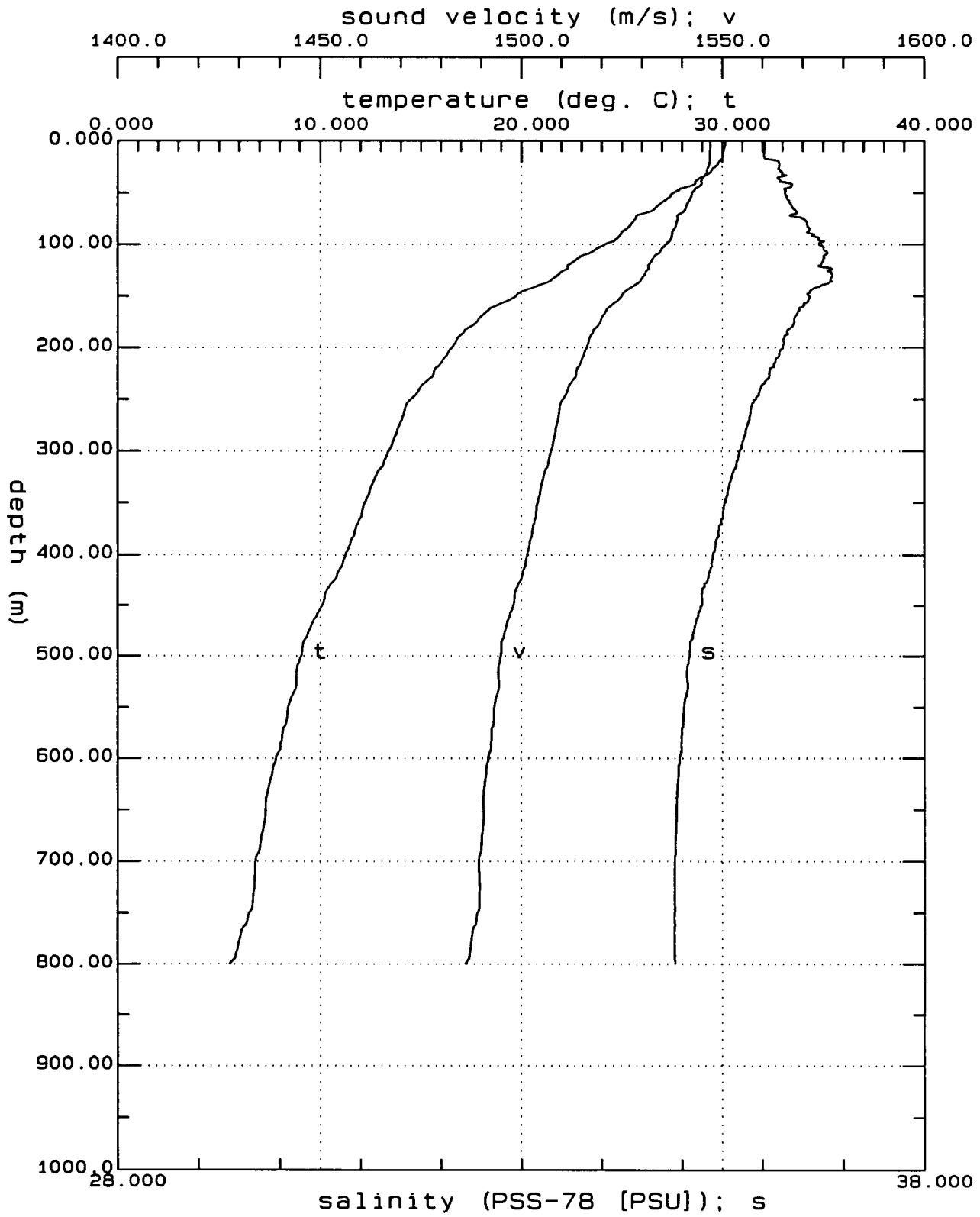


10-105.CNV: Gulfcet Cruise 06

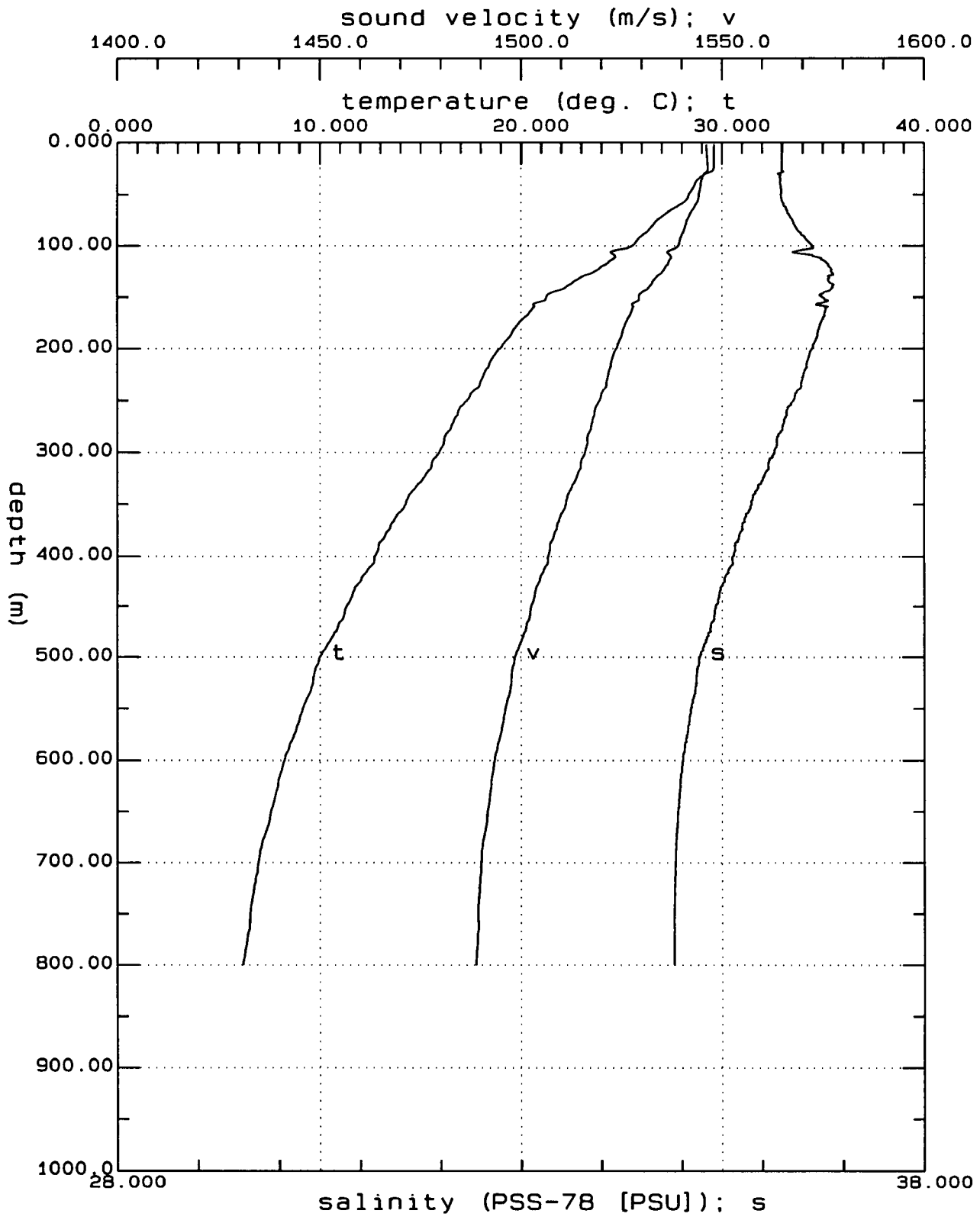


11-106.CNV: Gulfcet Cruise 06

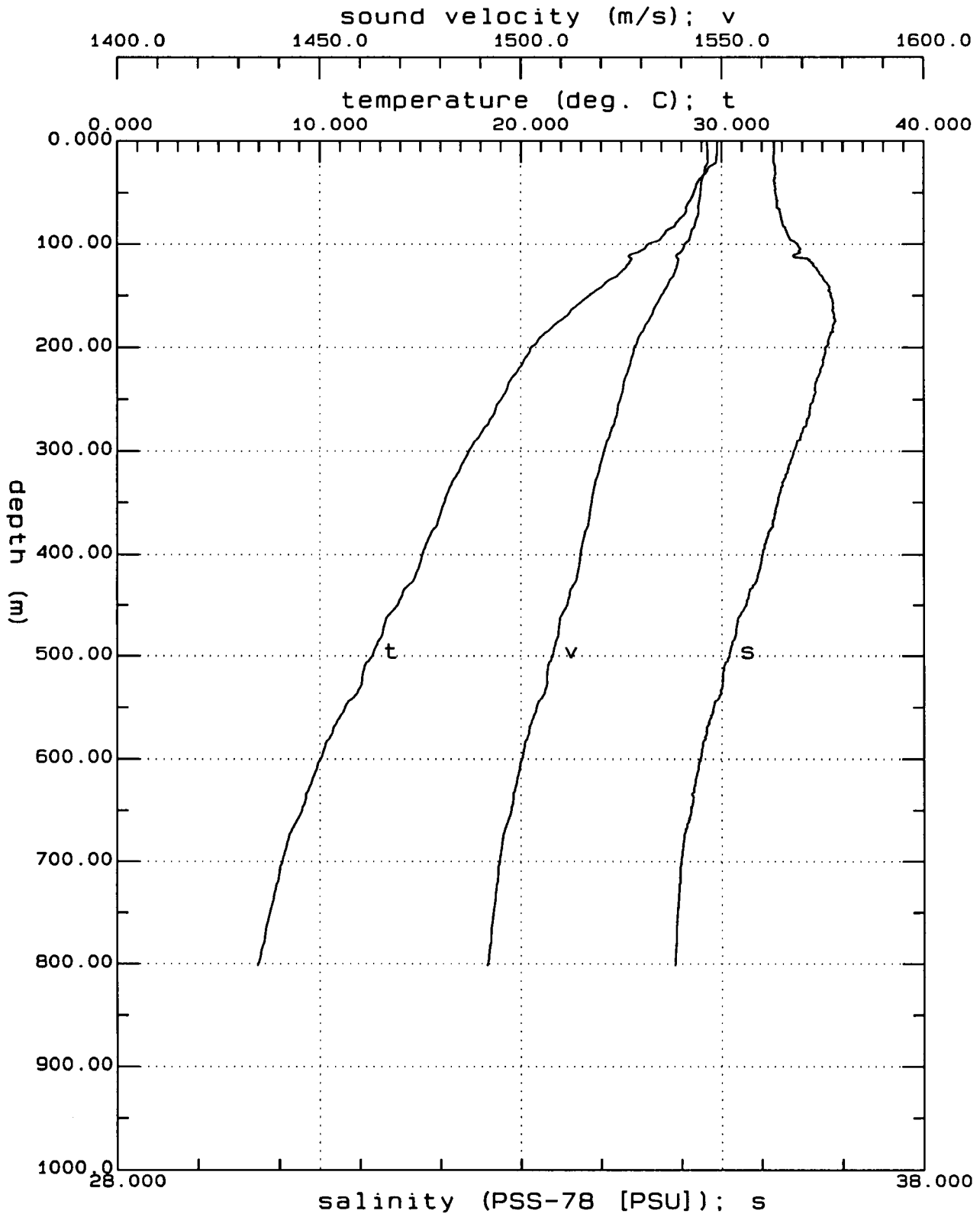




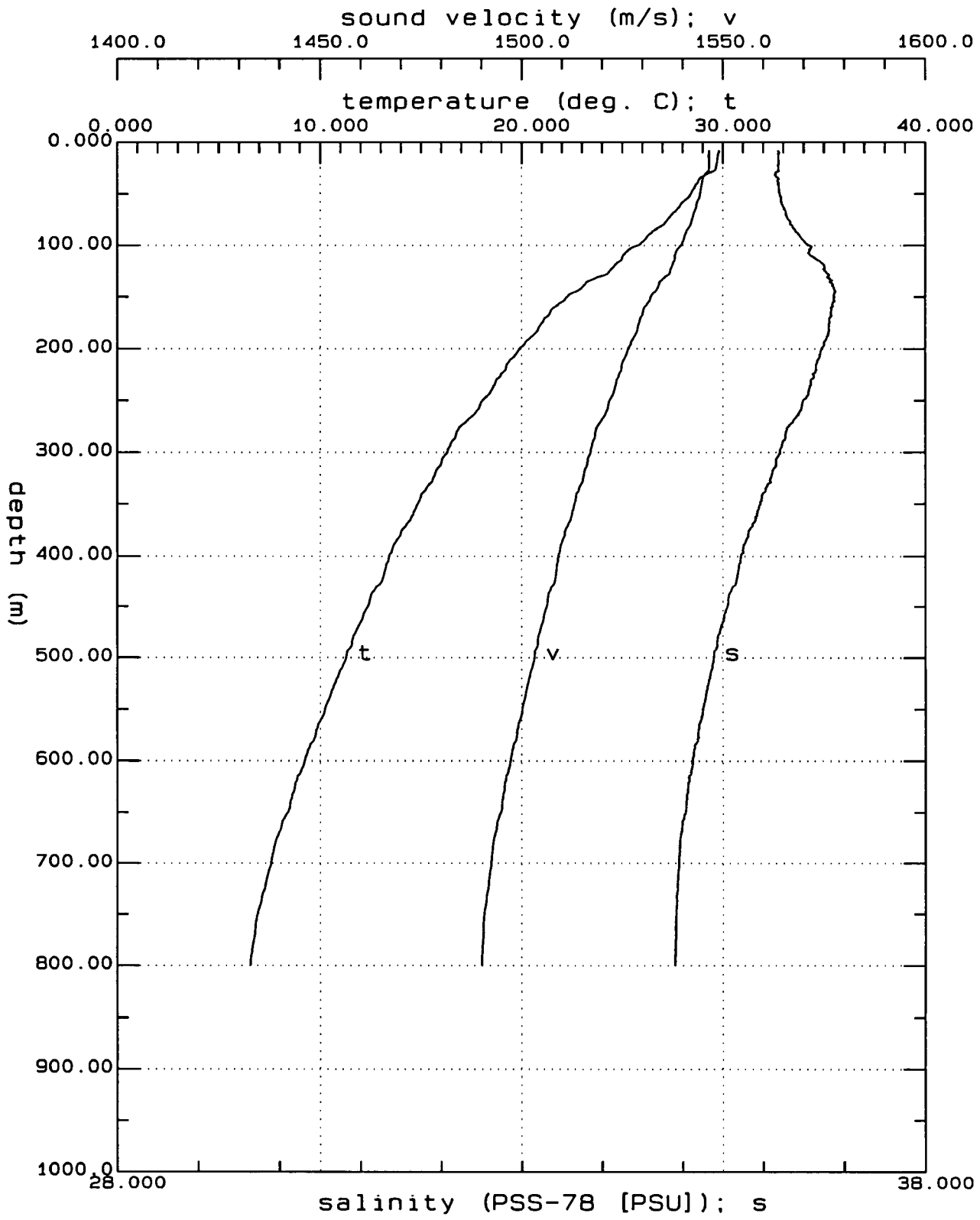
11-112.CNV: Gulfcet Cruise 06



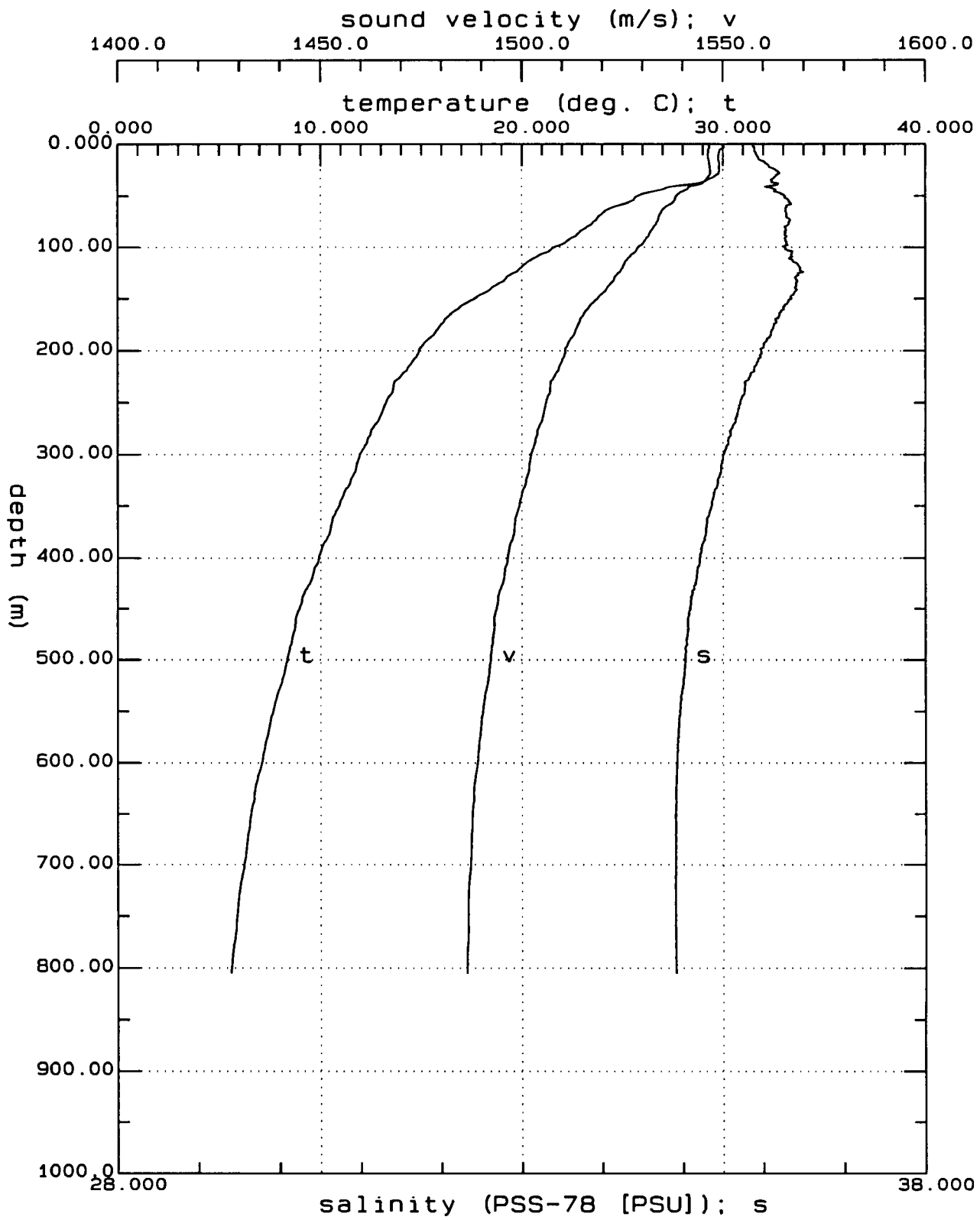
11-115.CNV: Gulfcet Cruise 06



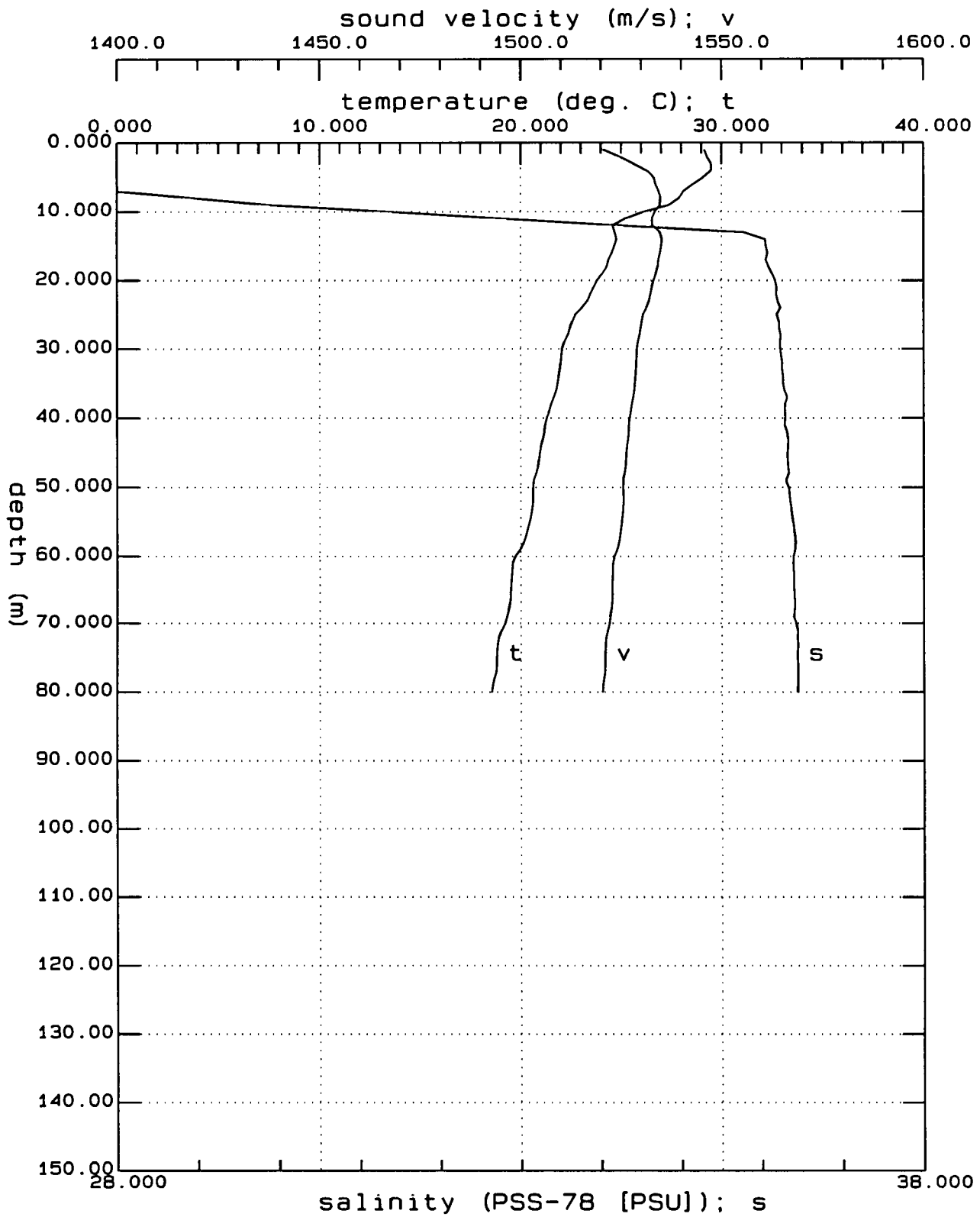
12-116.CNV: Gulfcet Cruise 06



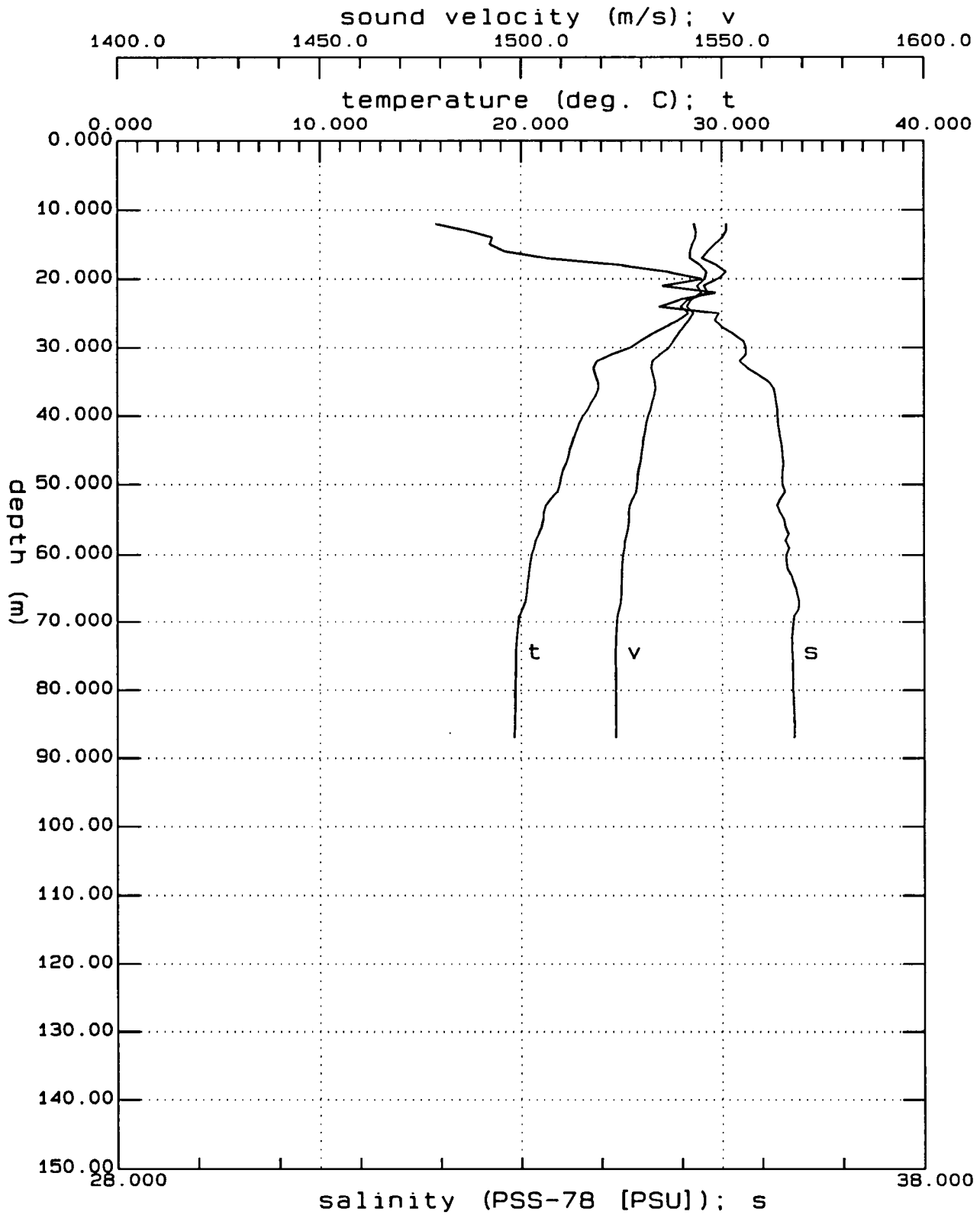
12-117.CNV: Gulfcet Cruise 06



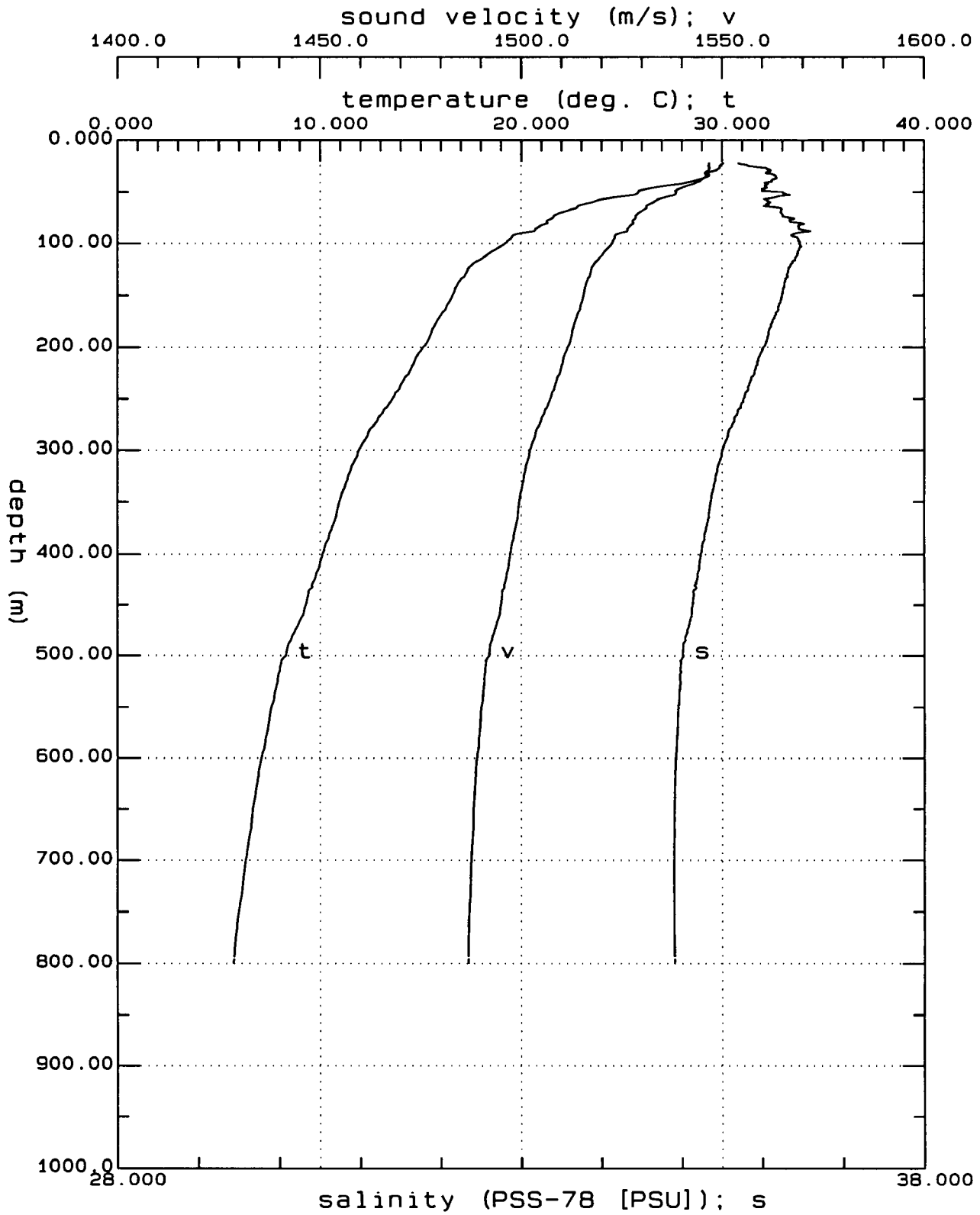
12-119.CNV: Gulfcet Cruise 06



12-125.CNV: Gulfcet Cruise 06

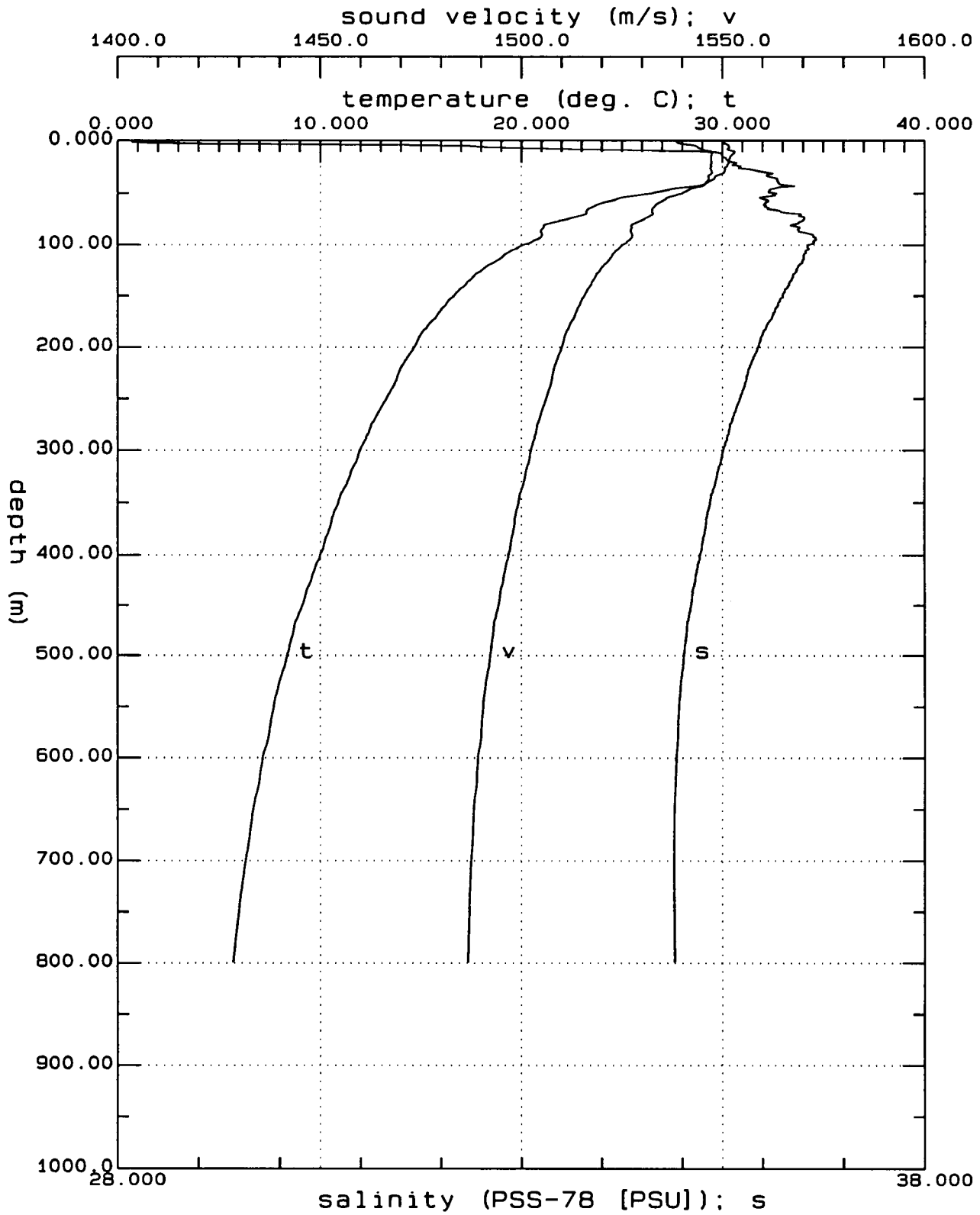


13-126.CNV: Gulfcet Cruise 06

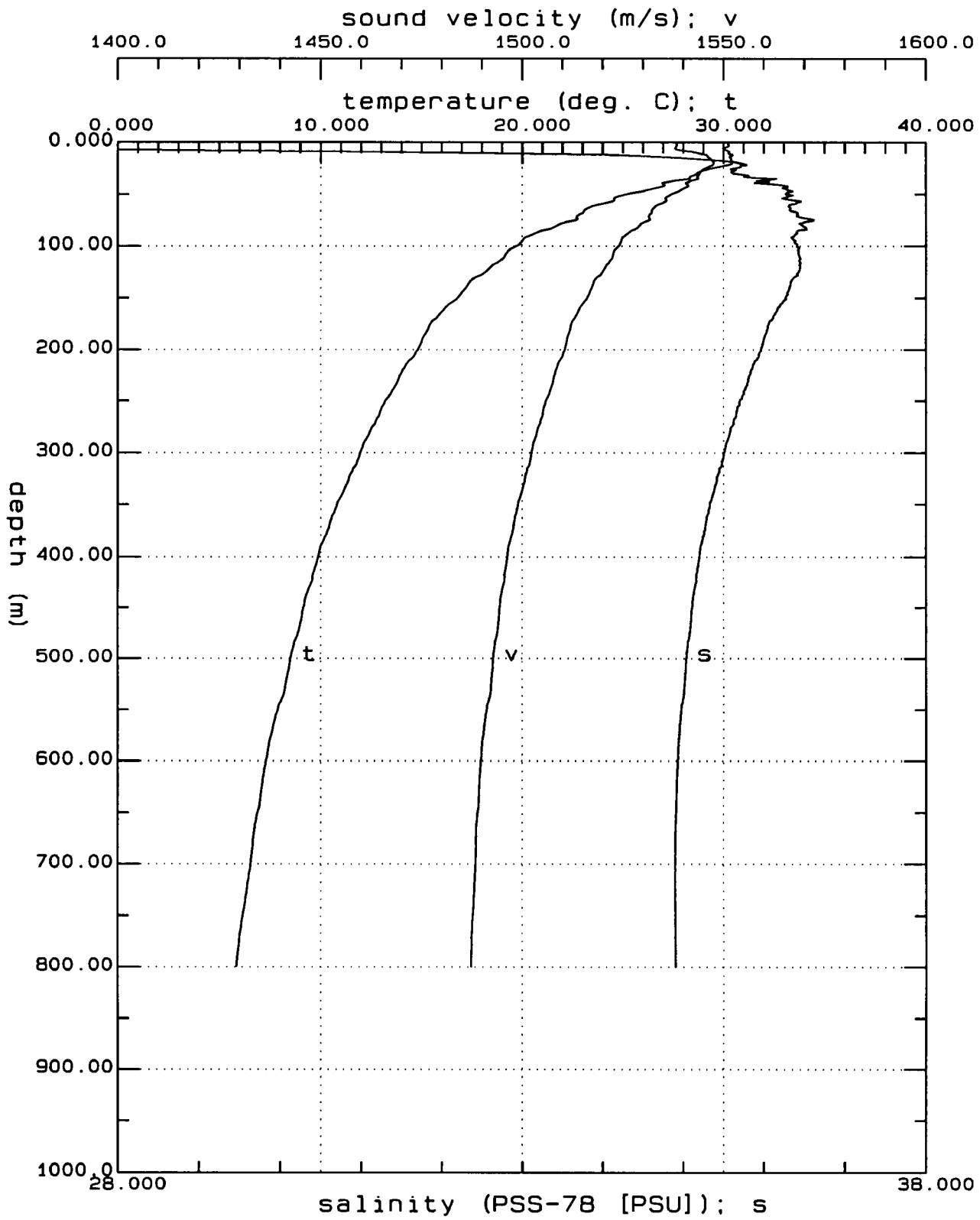


13-133.CNV: Gulfcet Cruise 06

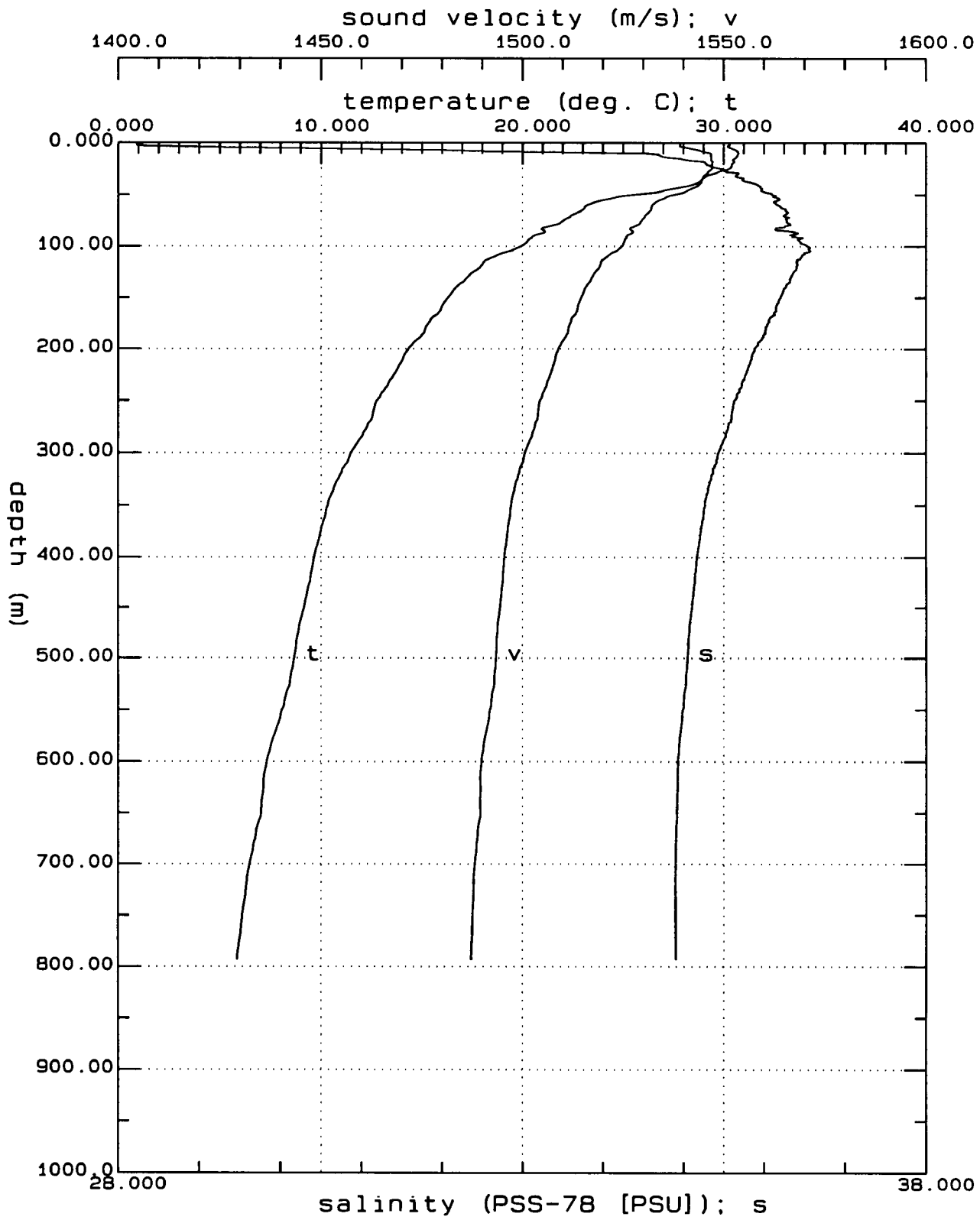




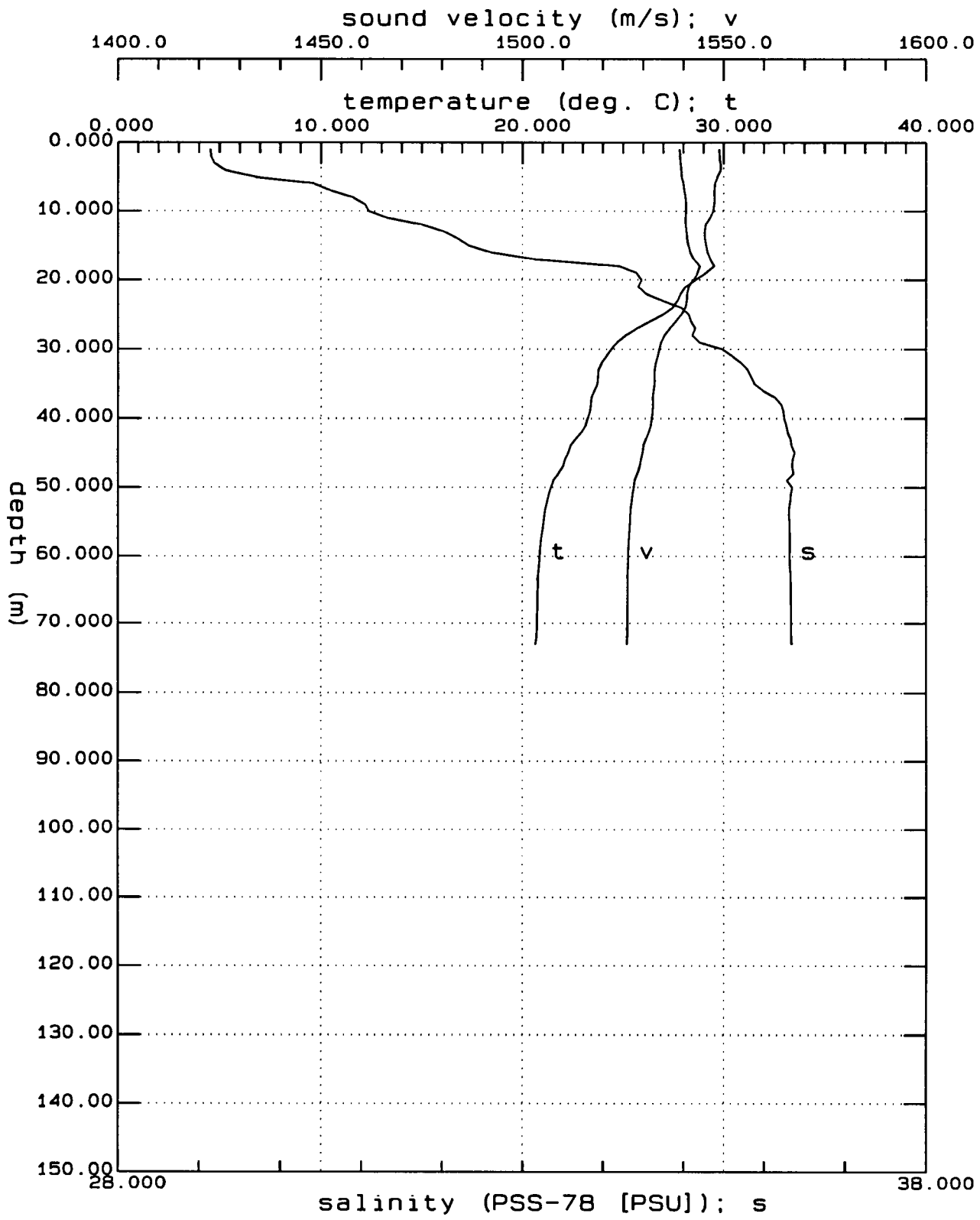
13-134.CNV: Gulfcet Cruise 06



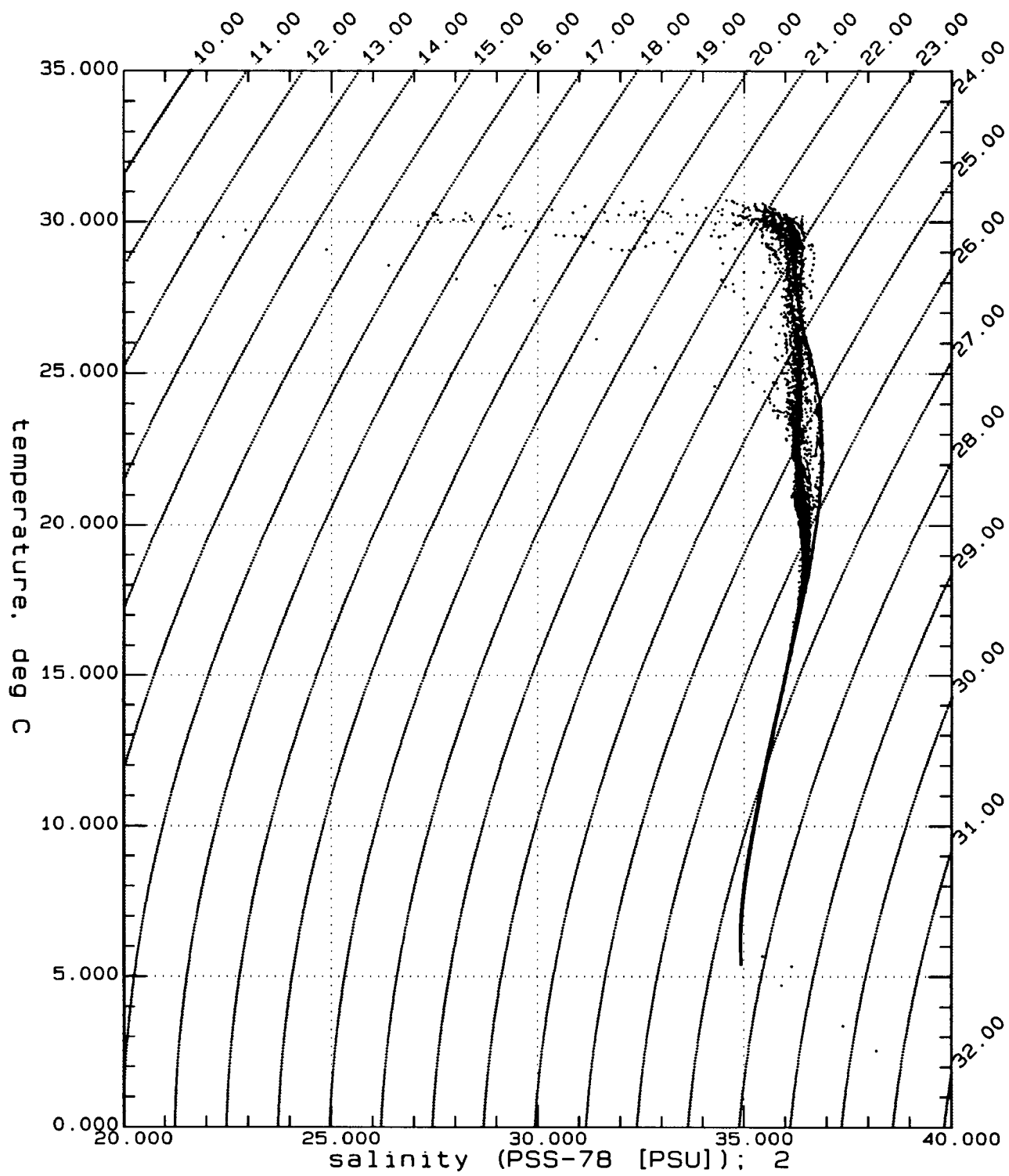
14-135.CNV: Gulfcet Cruise 06



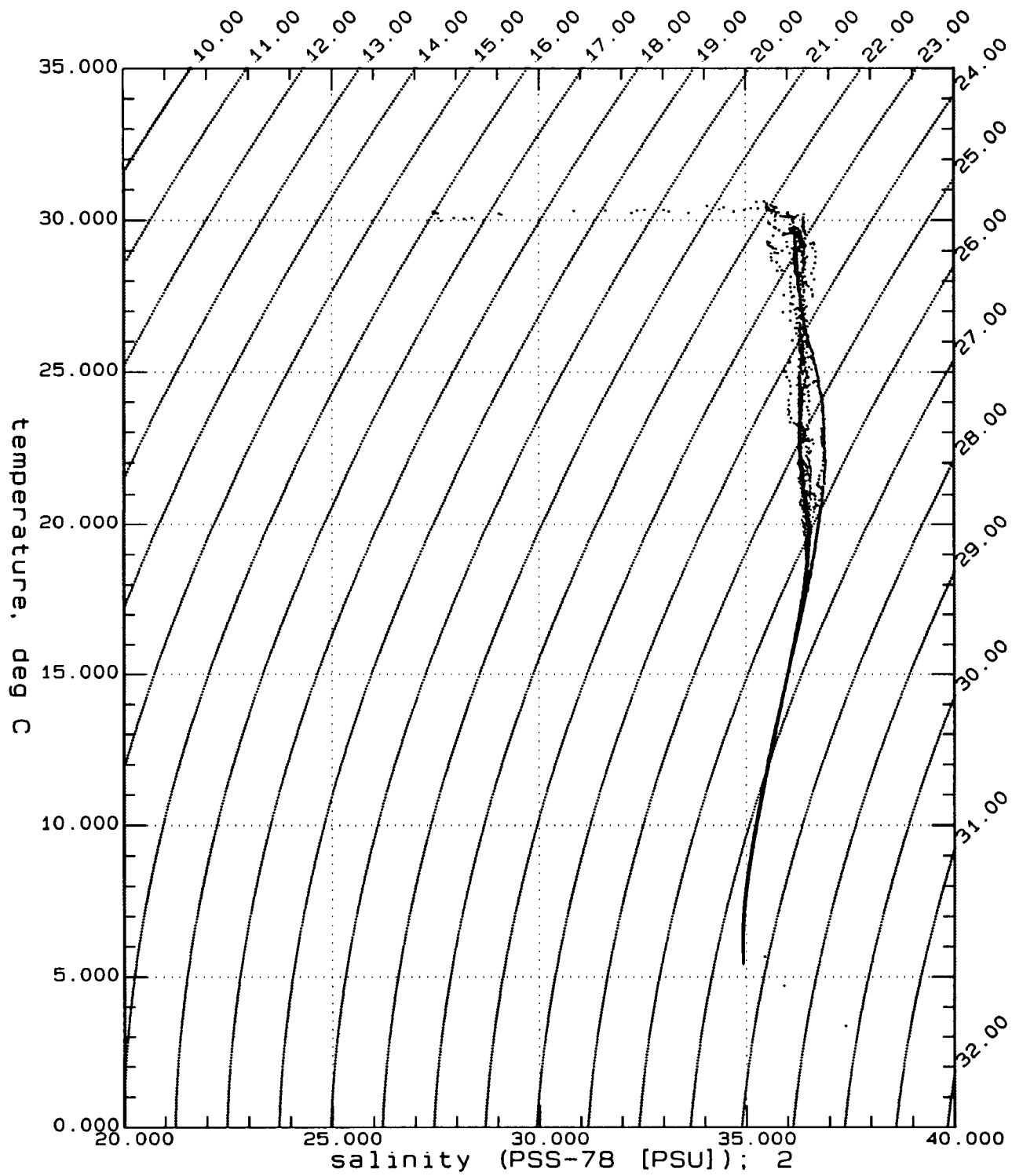
14-136.CNV: Gulfcet Cruise 06



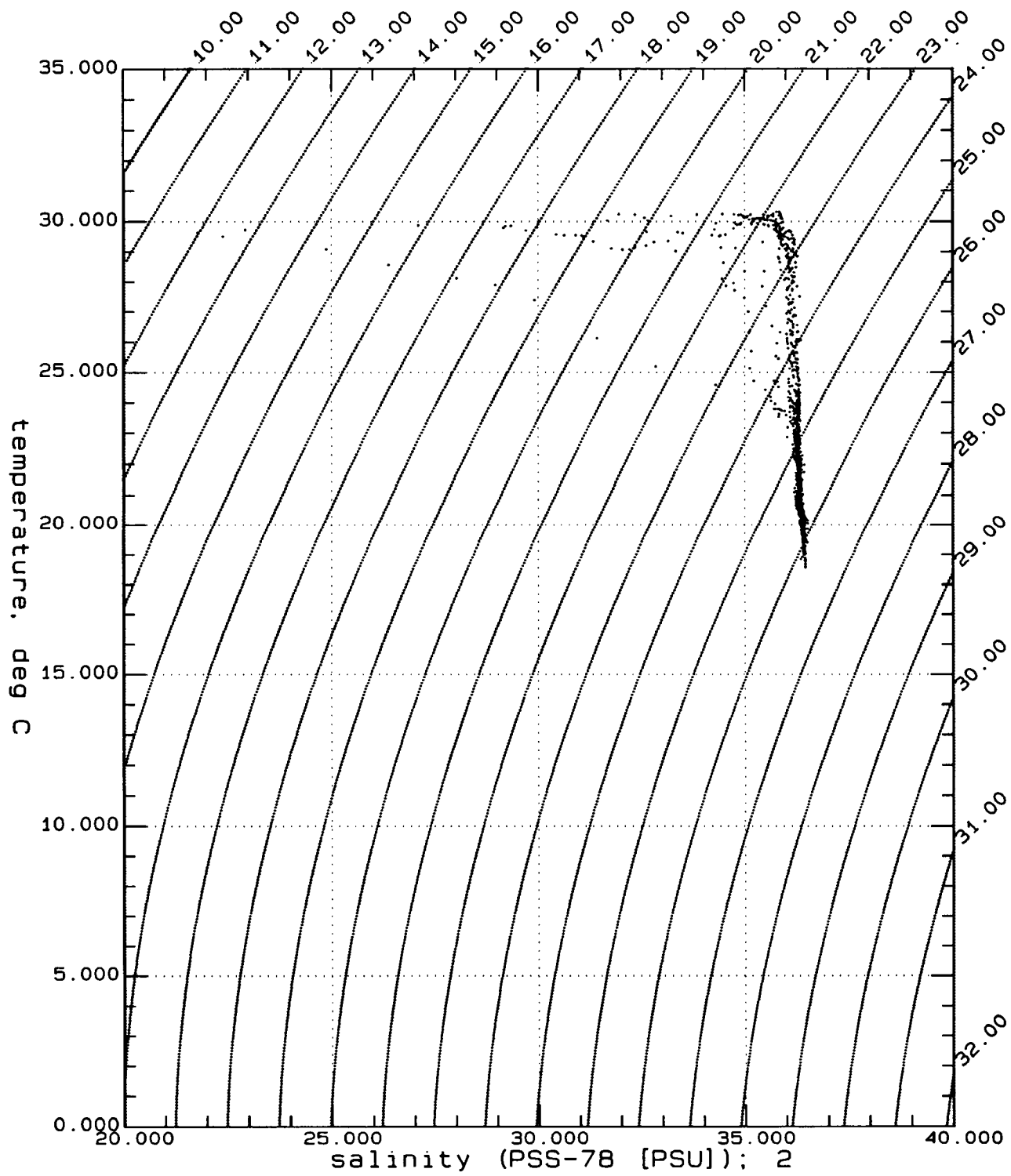
14-143.CNV: Gulfcet Cruise 06



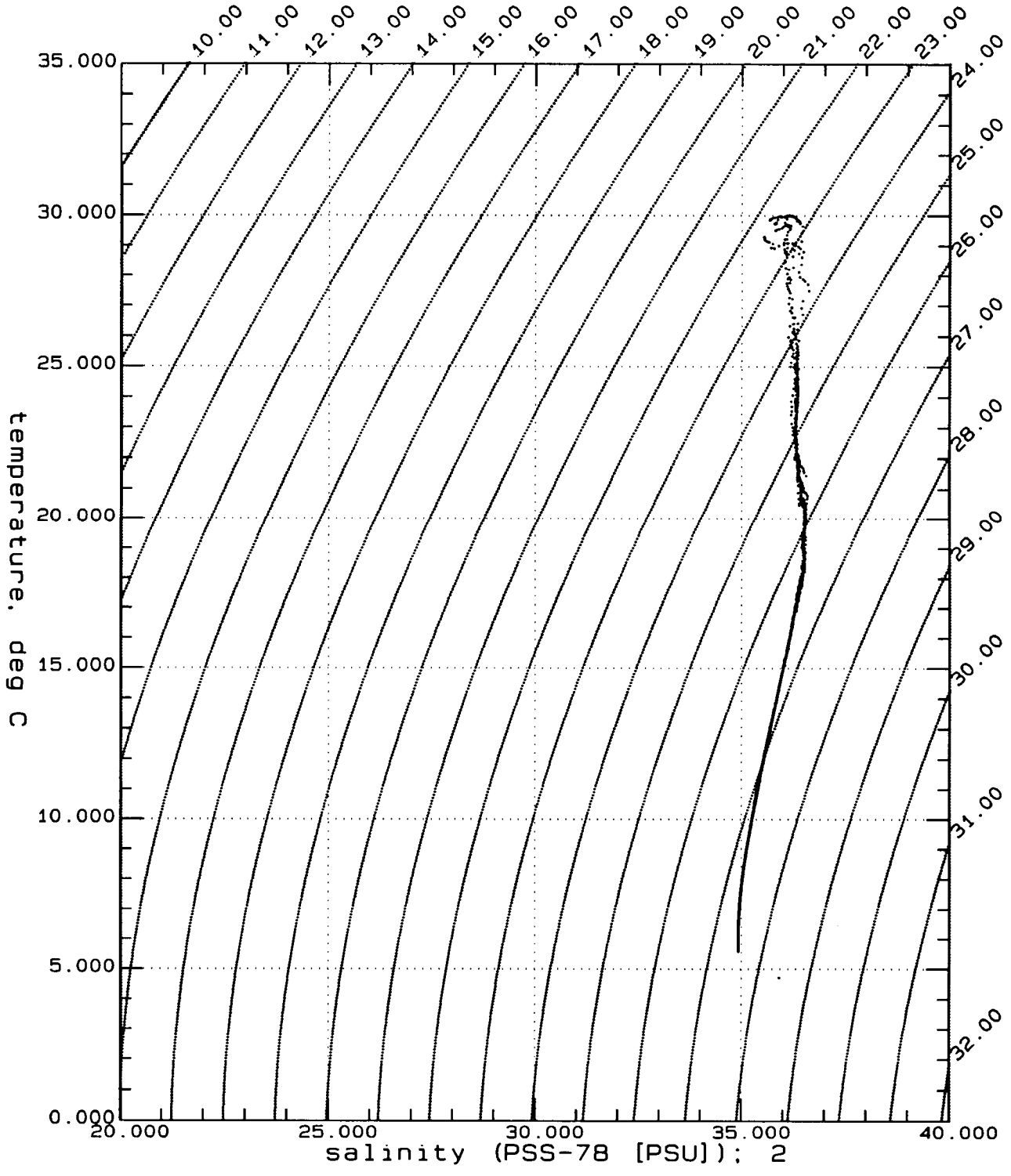
Gulfcet Cruise 06 - All Stations



Gulfcet Cruise 06 - Offshore Stations

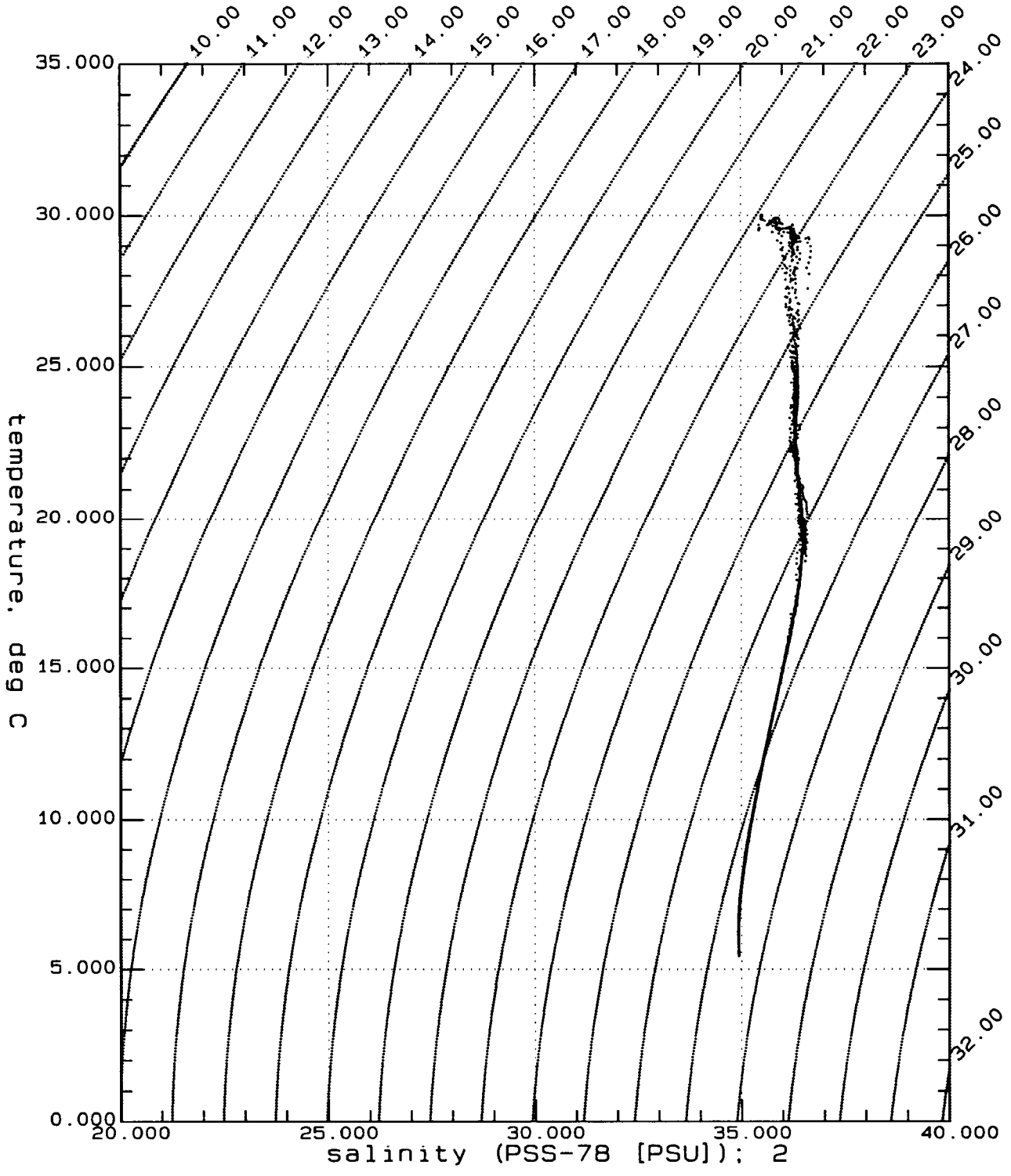


Gulfcet Cruise 06 - Inshore Stations

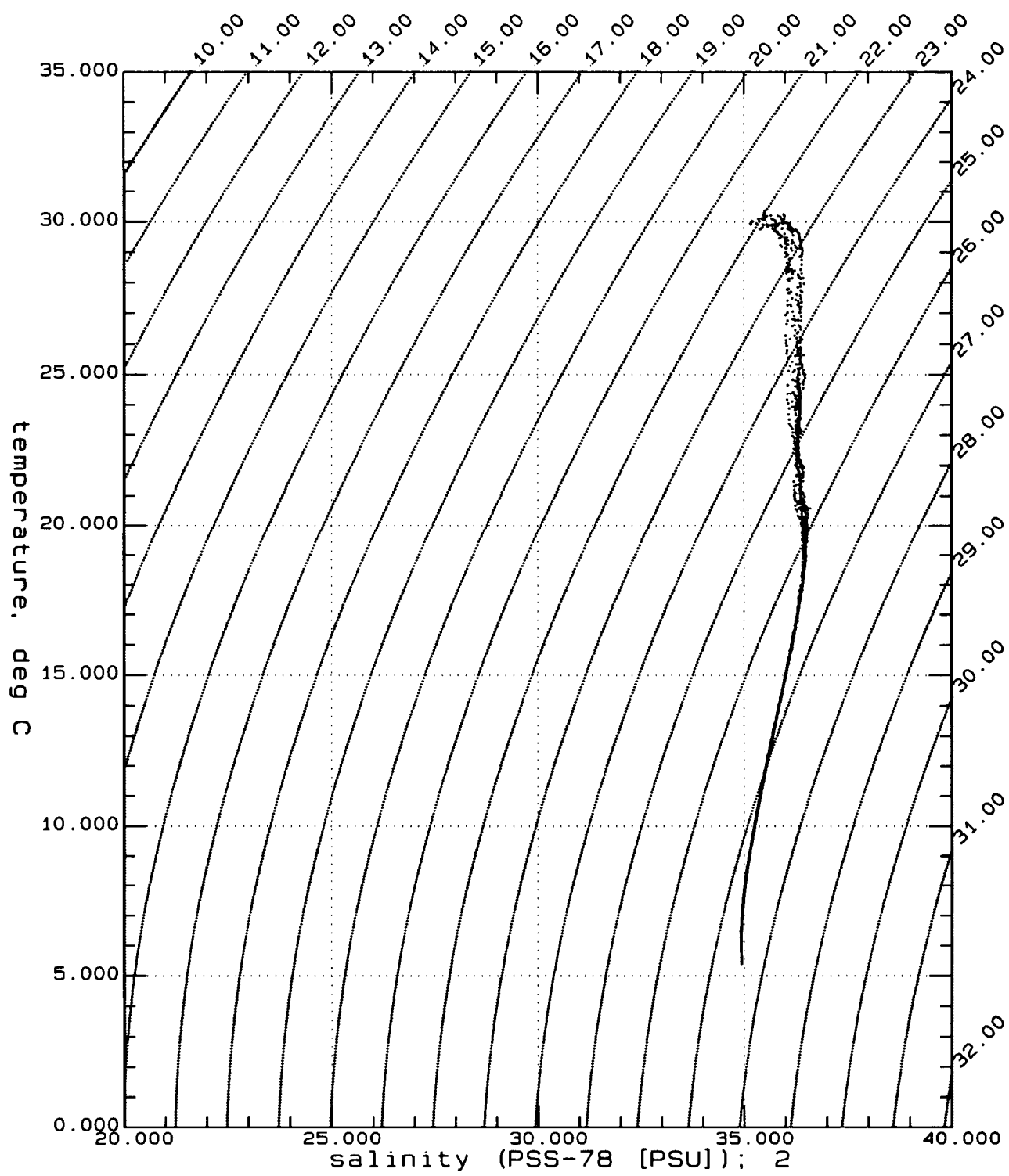


Gulfcet Cruise 06 - Lines 03 and 04

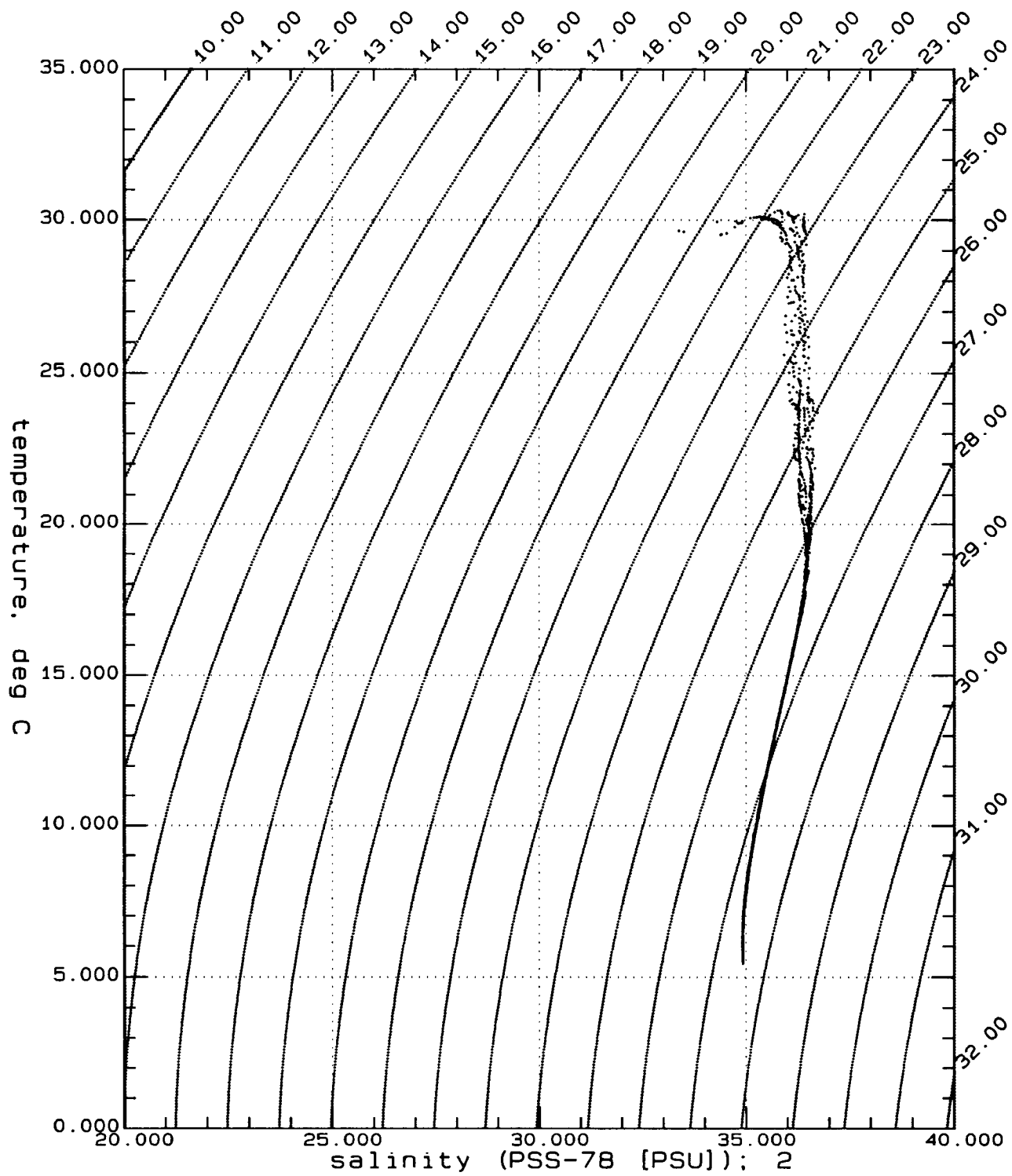




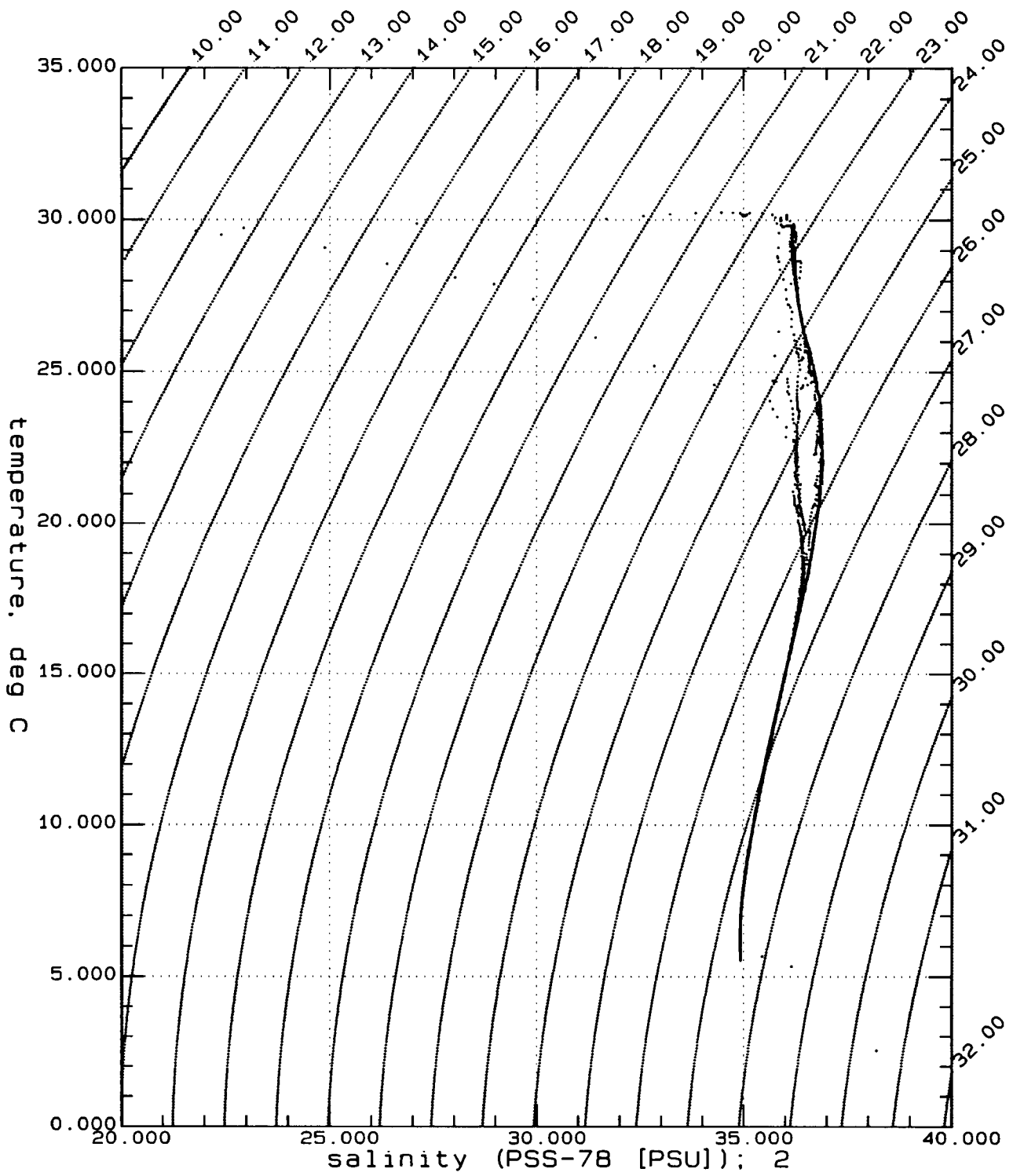
Gulfcet Cruise 06 - Lines 05 and 06



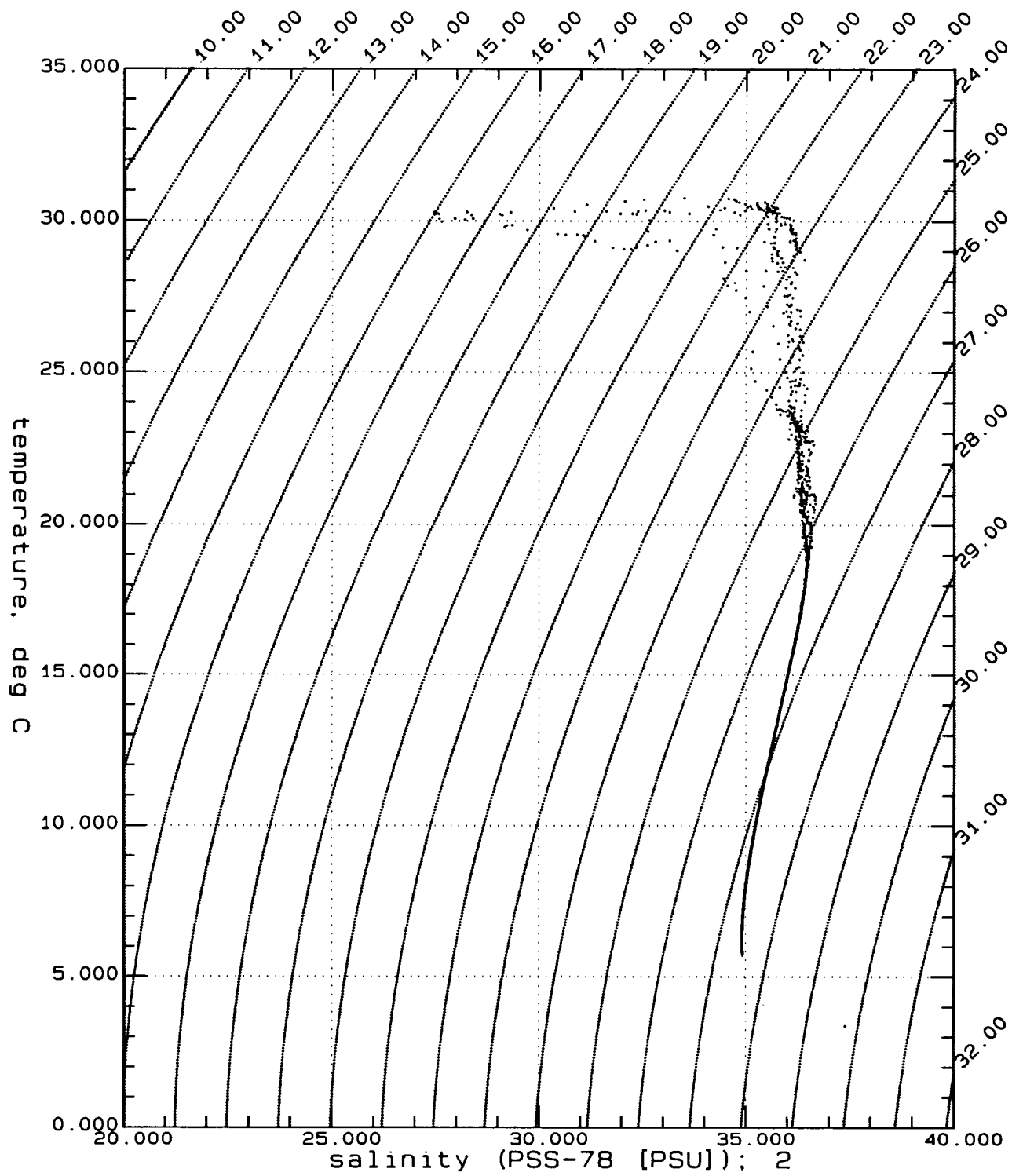
Gulfcet Cruise 06 - Lines 07 and 08



Gulfcet Cruise 06 - Lines 09 and 10



Gulfcet Cruise 06 - Lines 11 and 12



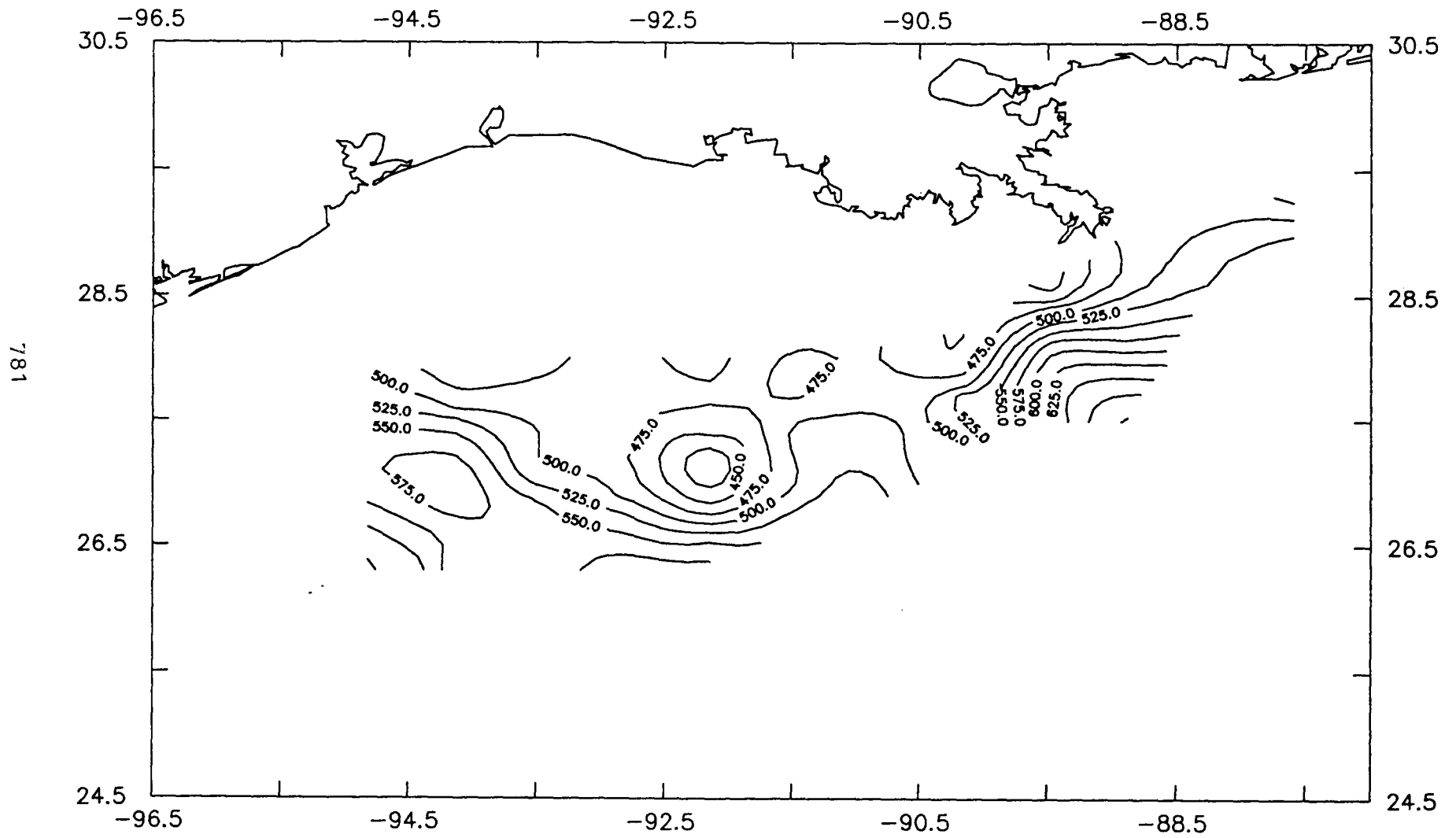
Gulfcet Cruise 06 - Lines 13 and 14

**TEMPERATURE DATA:**

- 8°, 15°, AND 20°C ISOTHERM MAPS
- TEMPERATURE PROFILES BY TRACK LINE

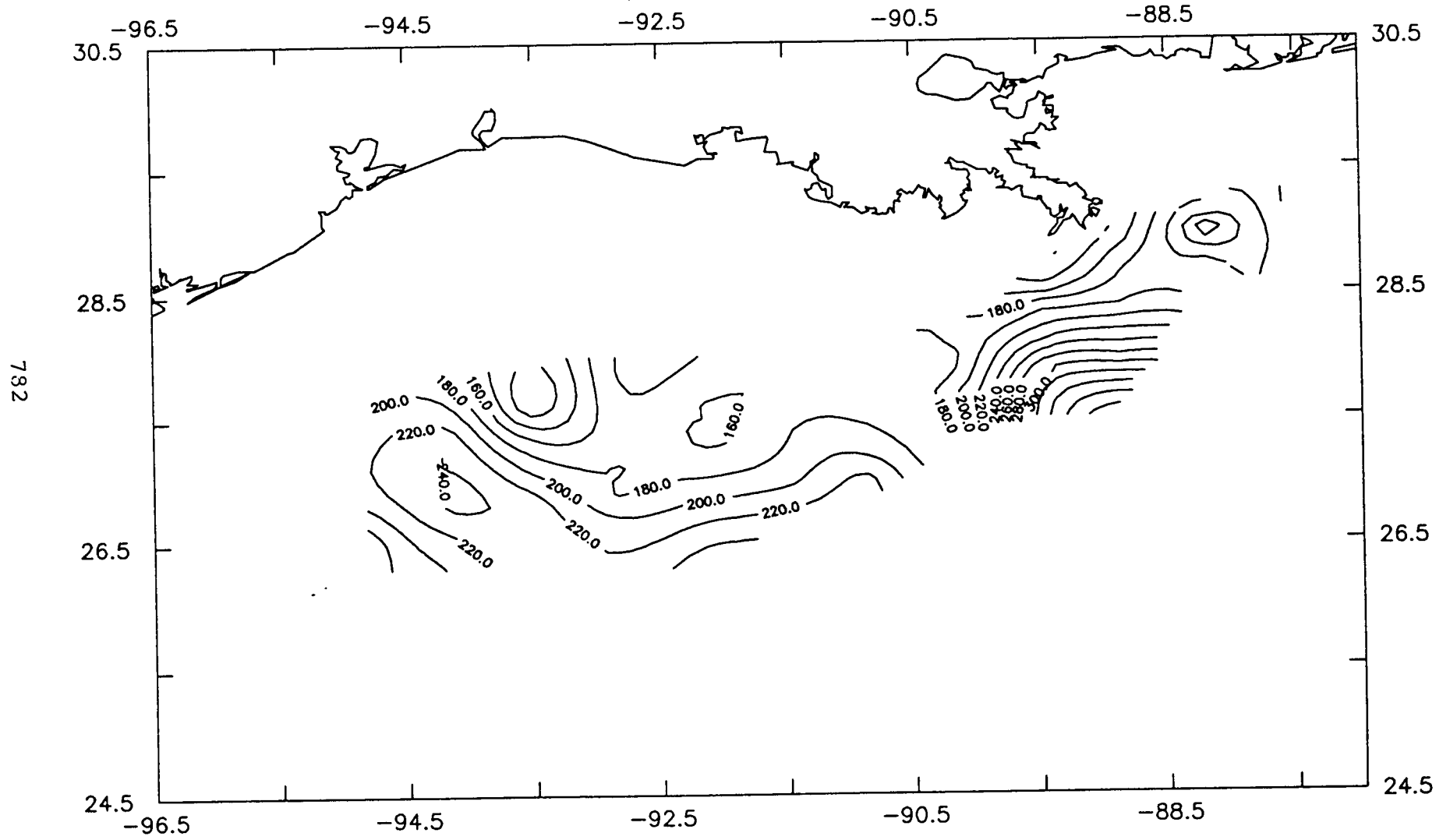
# Depth of 8 °C Isotherm (m)

GulfCet 06



# Depth of 15 °C Isotherm (m)

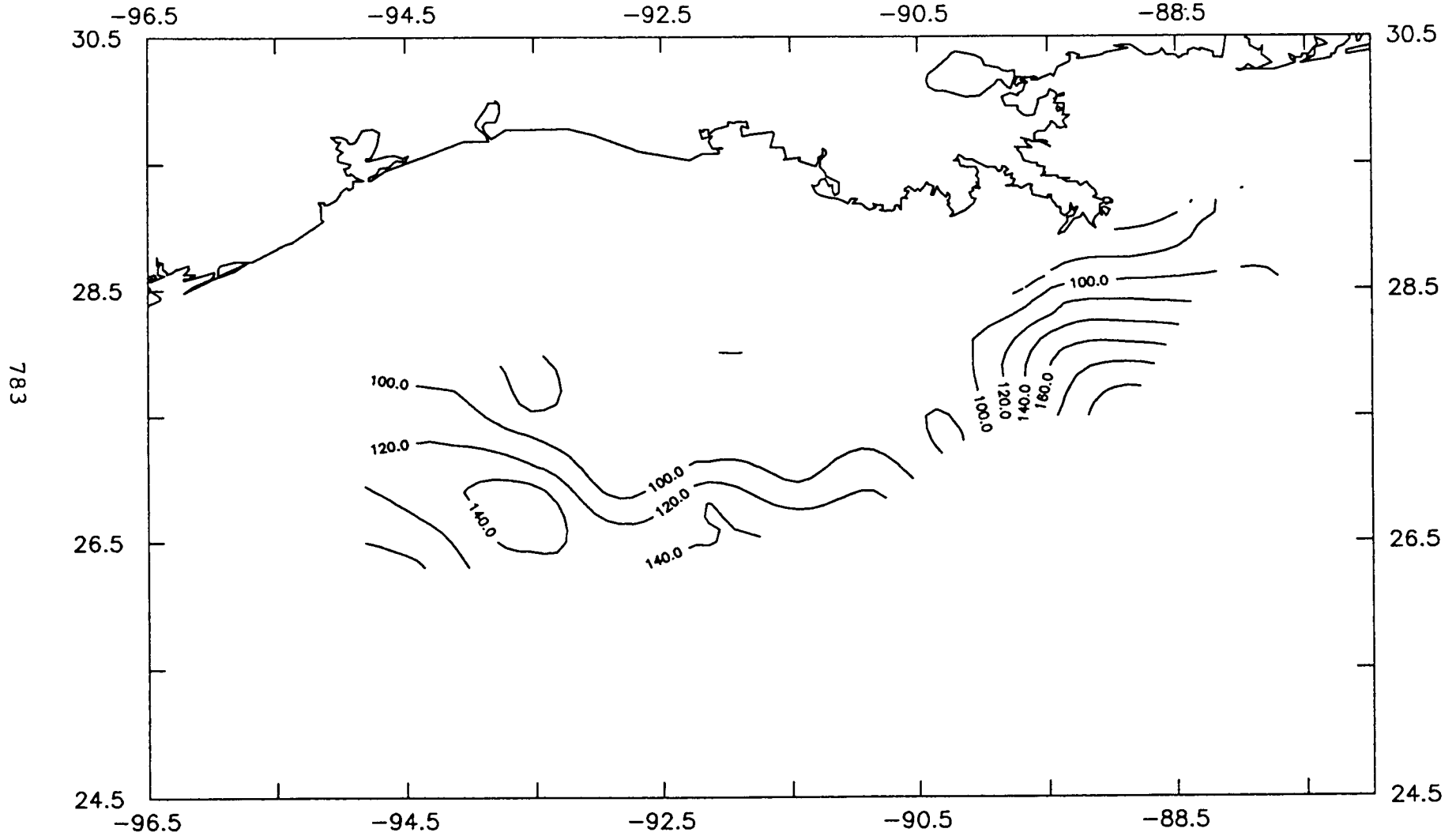
GulfCet 06





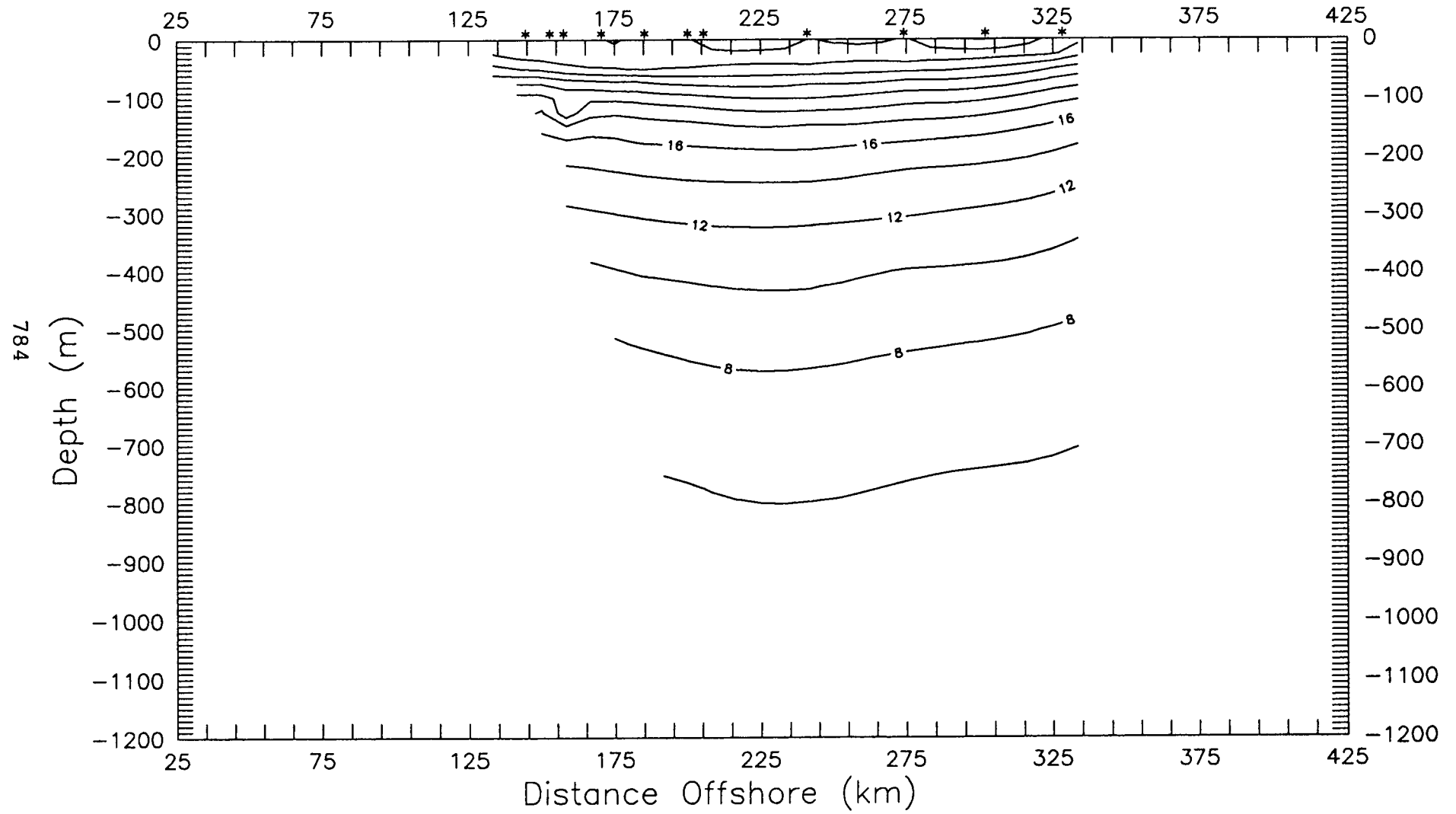
# Depth of 20 °C Isotherm (m)

GulfCet 06



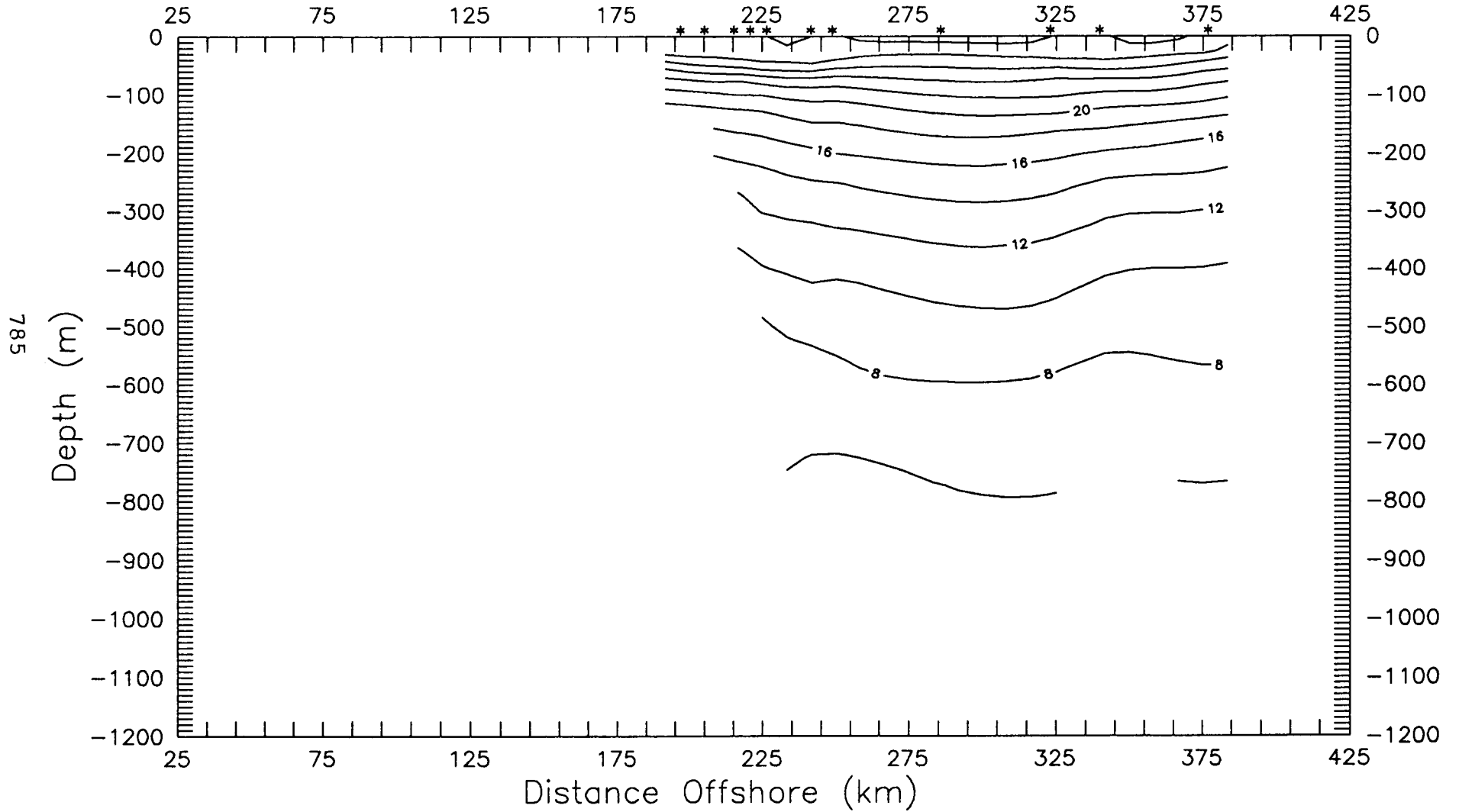
# Temperature ( °C)

GulfCet 06: Line 03



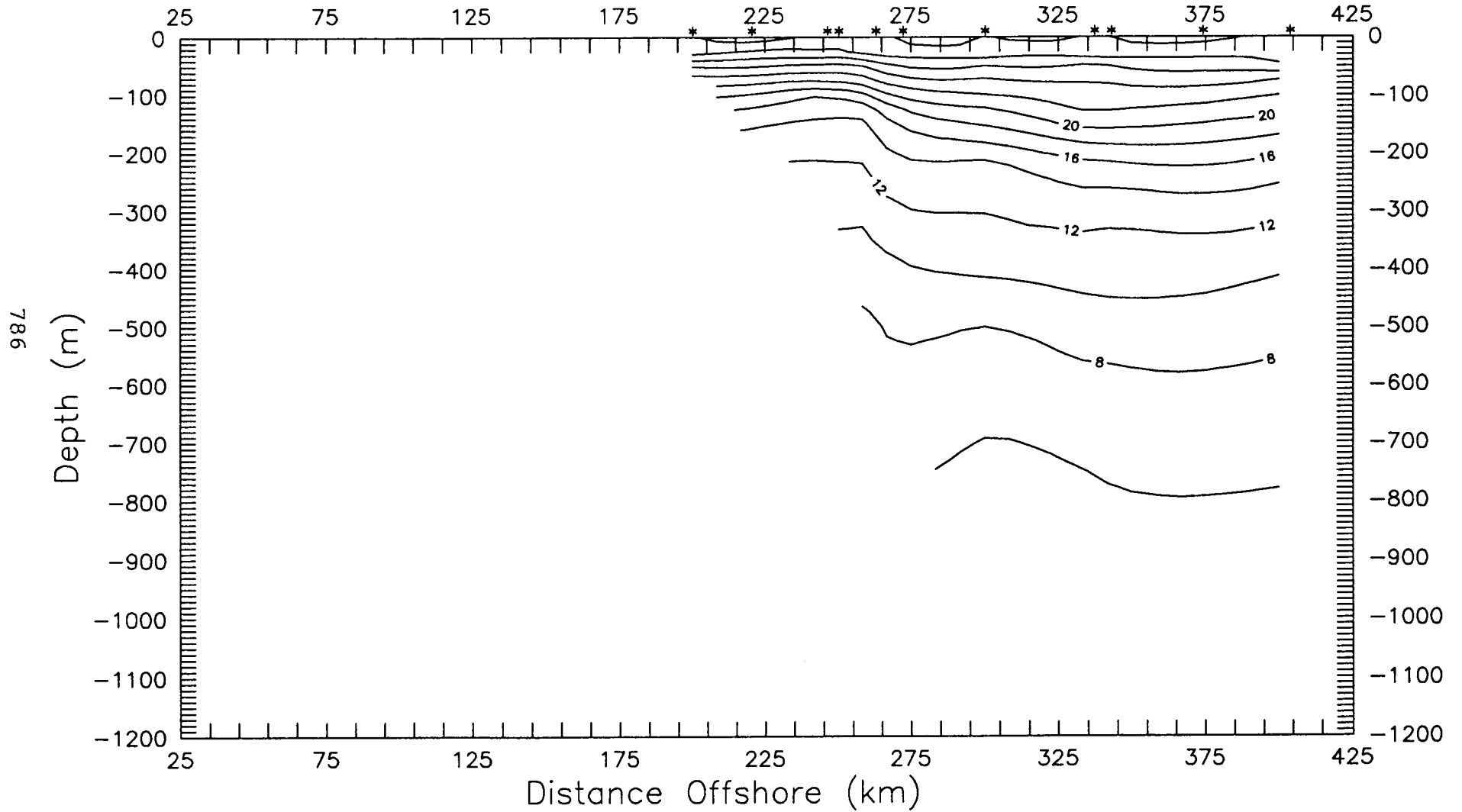
# Temperature ( °C)

GulfCet 06: Line 04



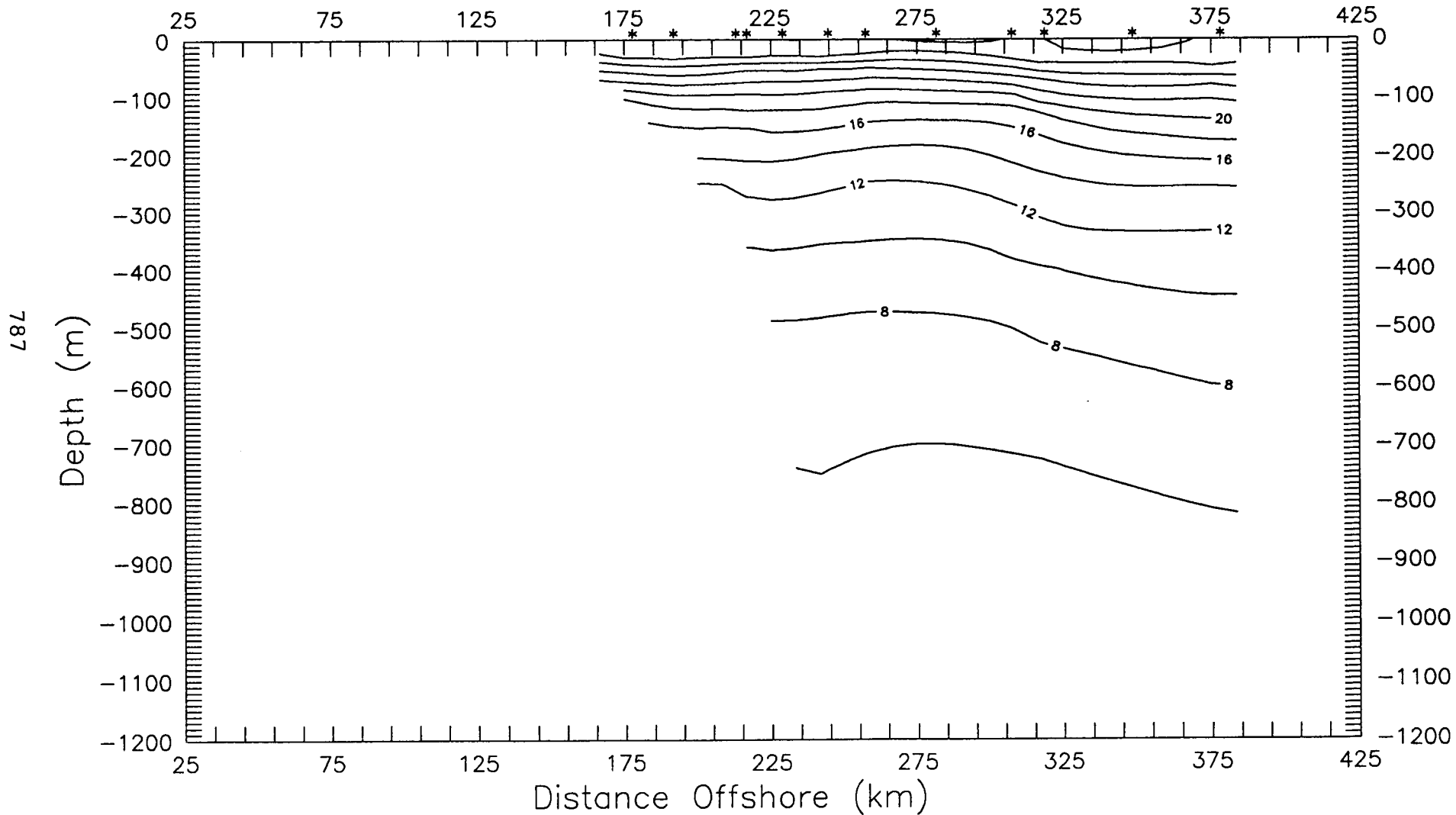
# Temperature ( °C)

GulfCet 06: Line 05



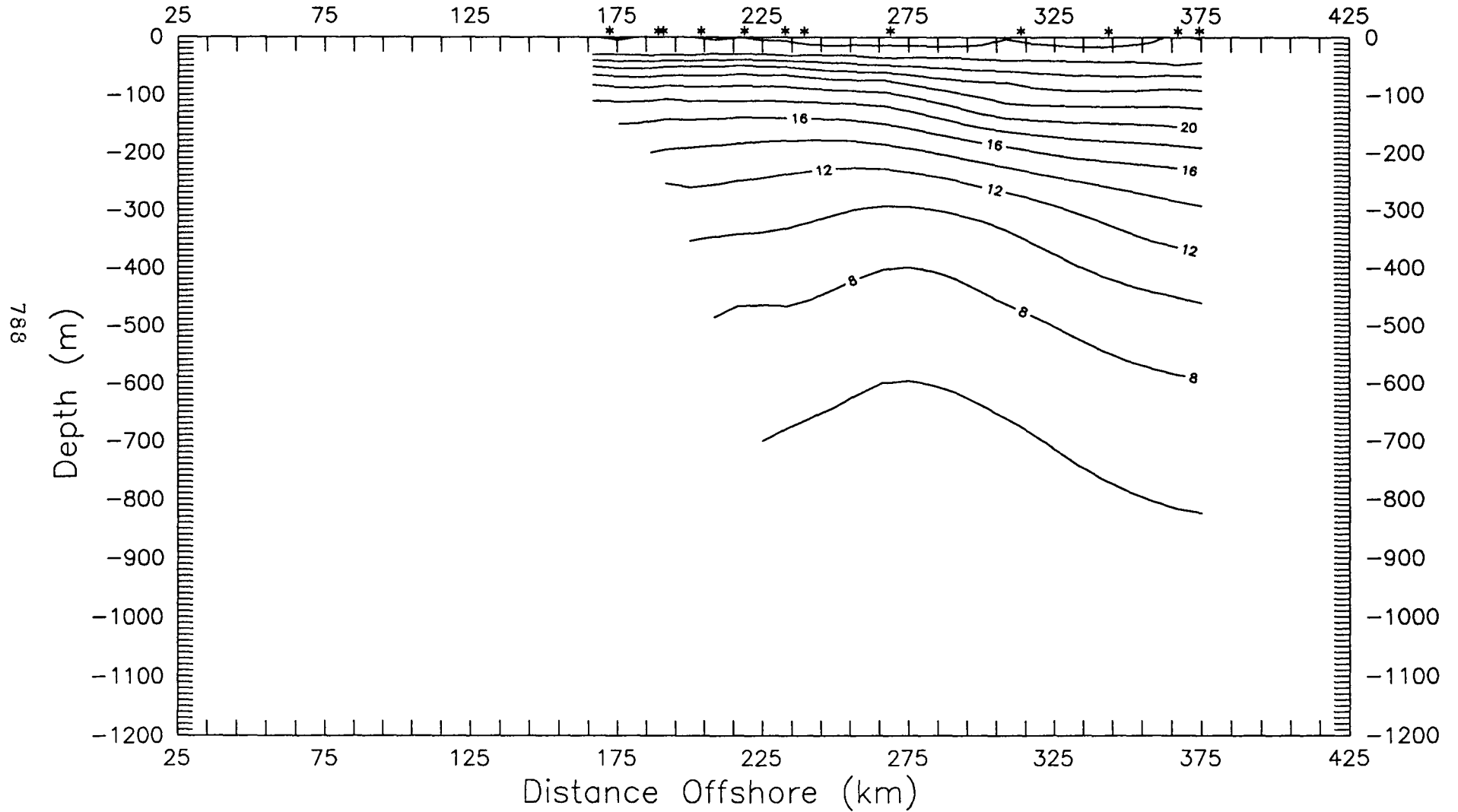
# Temperature ( °C)

GulfCet 06: Line 06



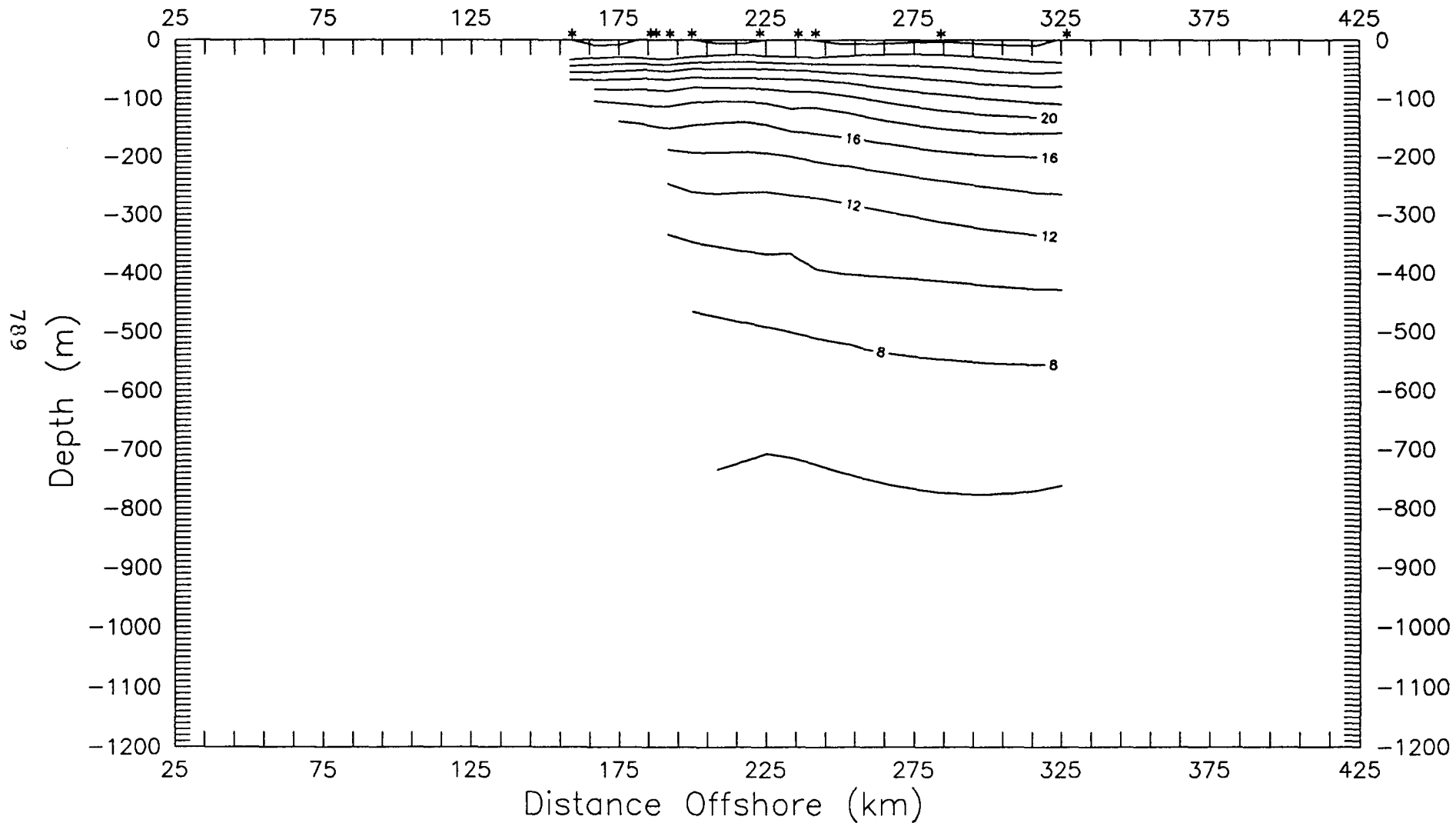
# Temperature ( °C)

GulfCet 06: Line 07



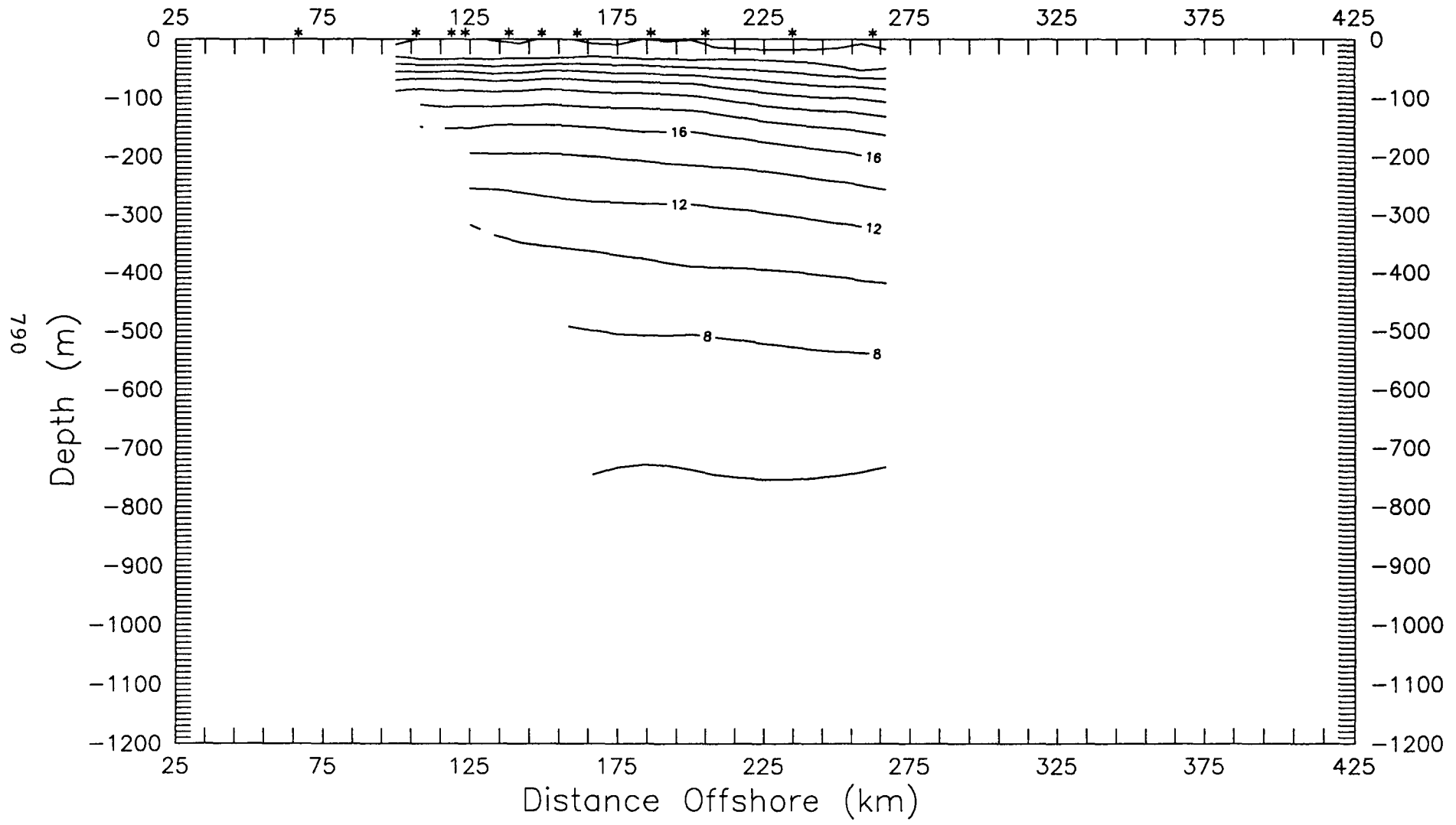
# Temperature ( °C)

GulfCet 06: Line 08



# Temperature ( °C)

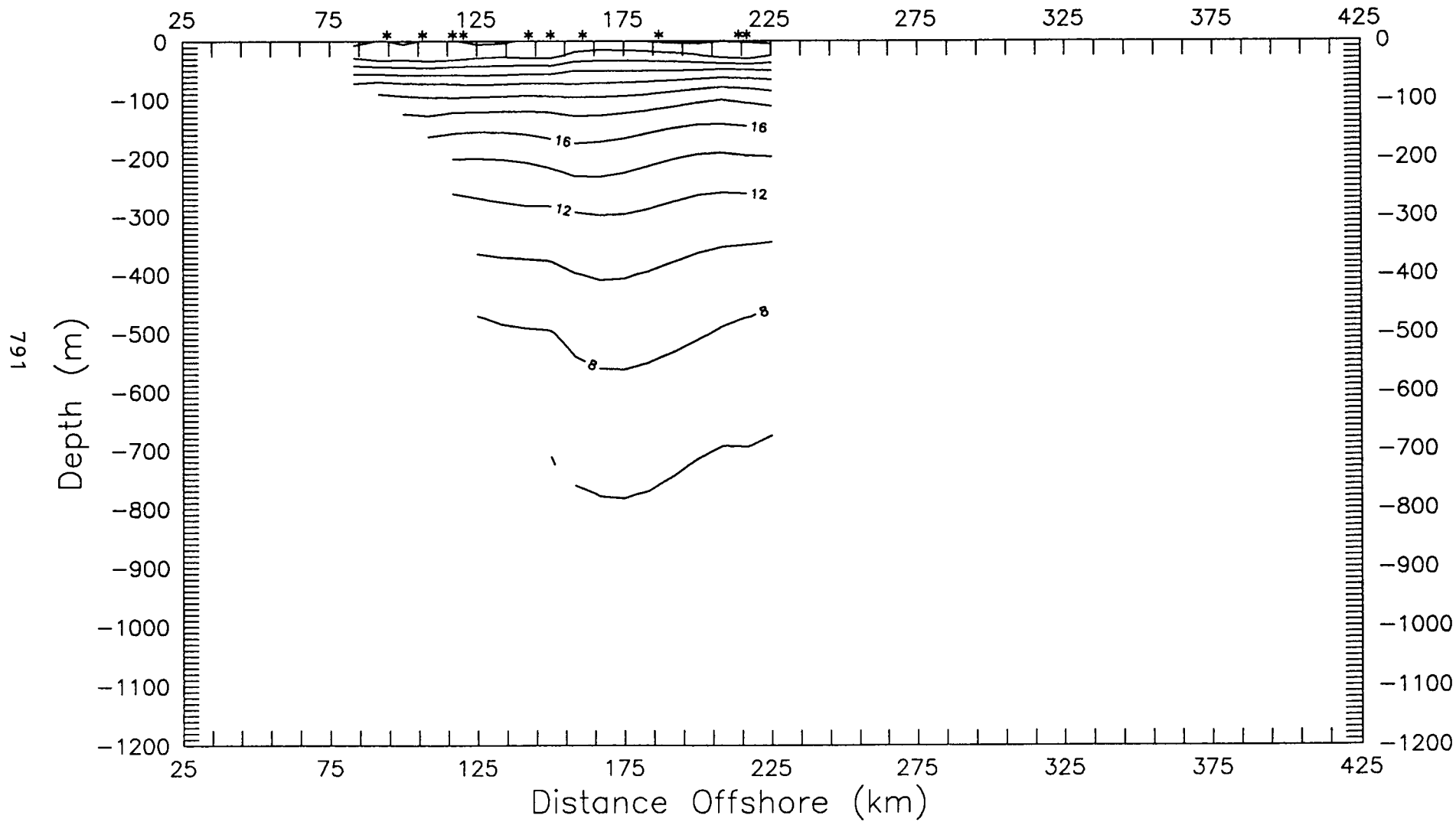
GulfCet 06: Line 09





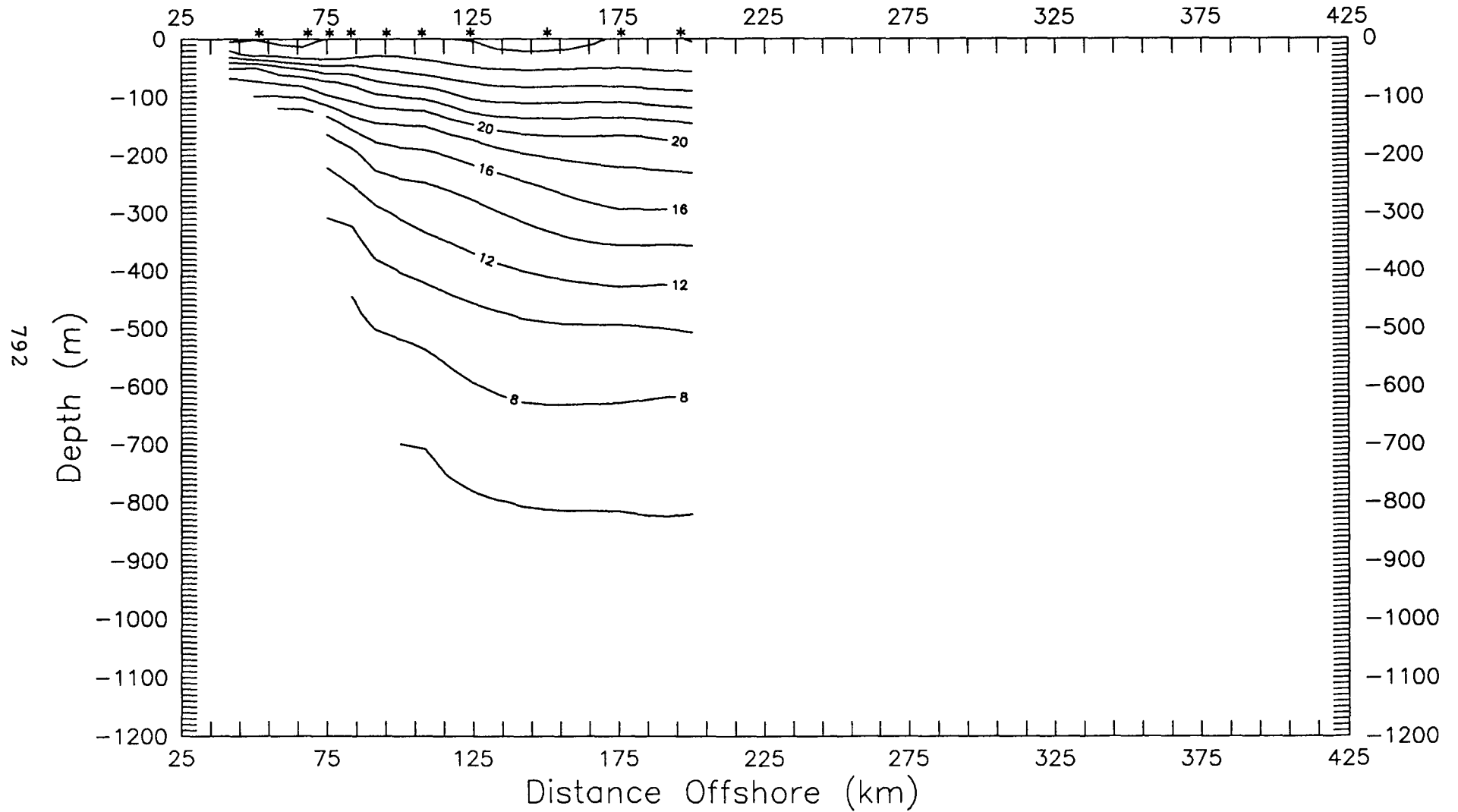
# Temperature ( °C)

GulfCet 06: Line 10



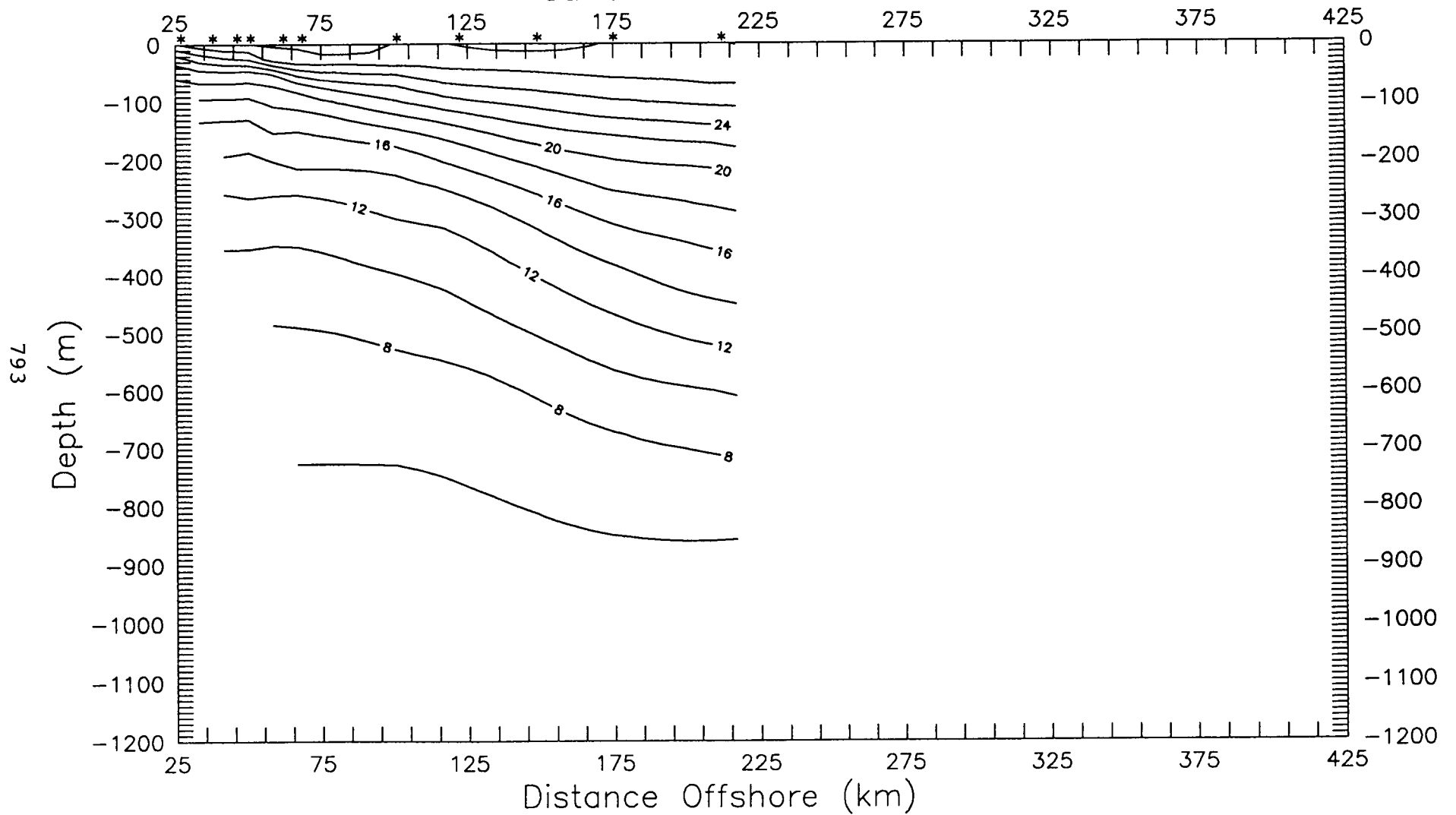
# Temperature ( °C)

GulfCet 06: Line 11



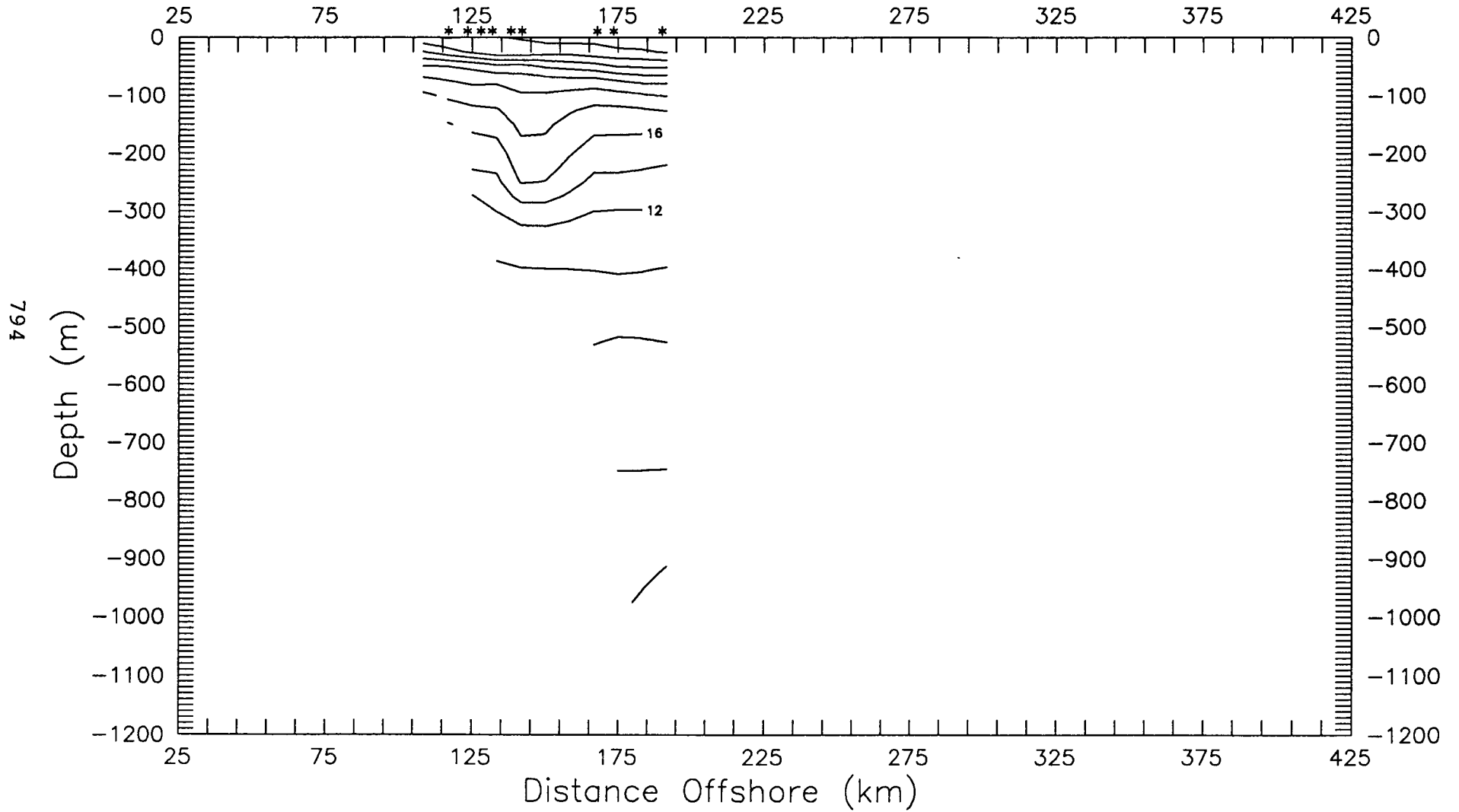
# Temperature ( °C)

GulfCet 06: Line 12



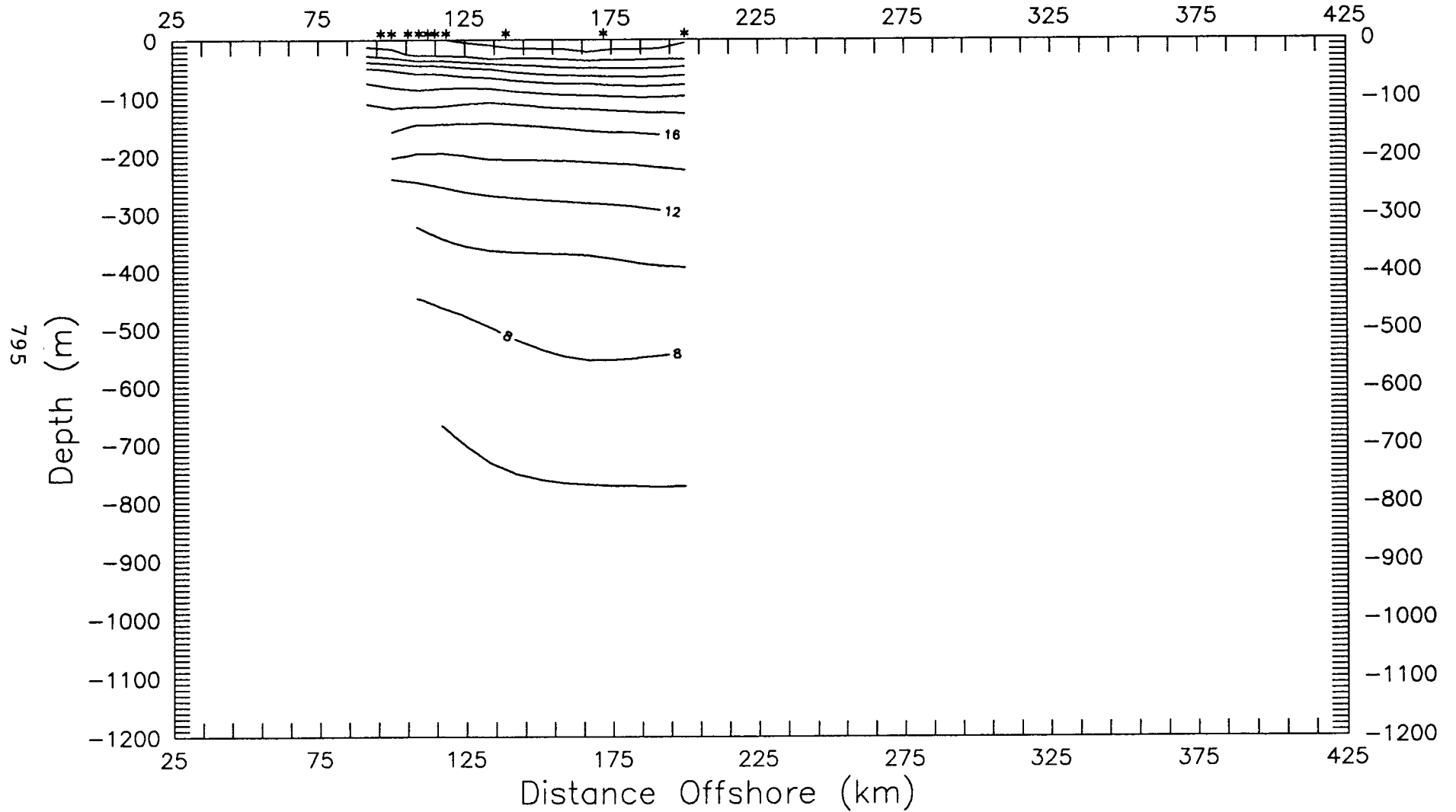
# Temperature ( °C)

GulfCet 06: Line 13



# Temperature ( °C)

GulfCet 06: Line 14



**SALINITY DATA:**

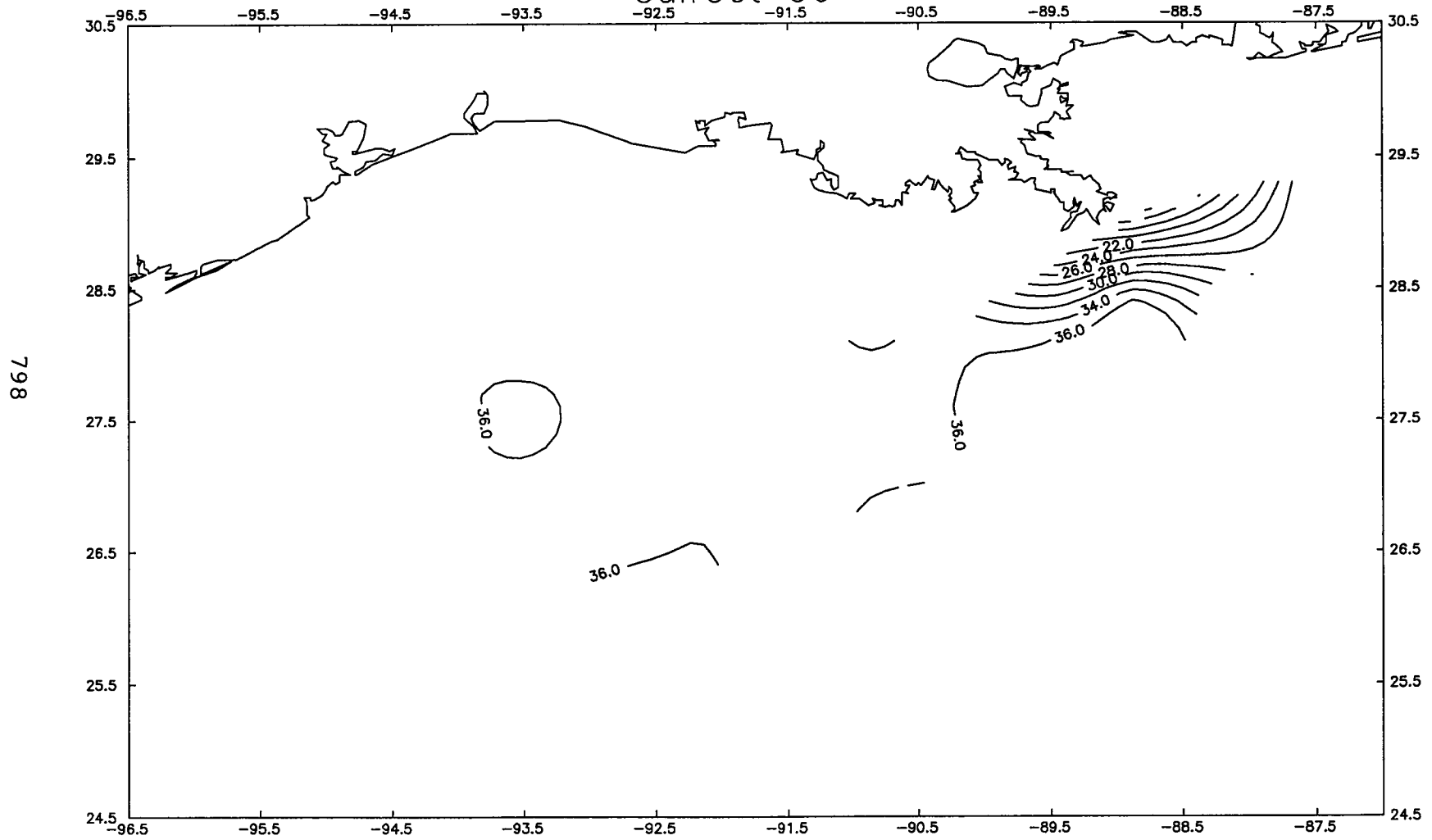
- DATA SUMMARY TABLE
- CTD SURFACE SALINITY MAP

## Cruise 06 Salinity Data

Station	Depth	Bottle Salinity	Probe Salinity	Difference Bottle-Salinity	Station	Depth	Bottle Salinity	Probe Salinity	Difference Bottle-Salinity
03-026	surface	36.1596			08-076	807.5	34.9205	34.9072	0.0133
03-021	surface	35.7232			09-093	1.8	35.3596	35.3661	-0.0065
04-033	1.1	35.8145	35.8020	0.0125	09-093	9.9	35.3724	35.3660	0.0064
04-033	9.8	36.1360	36.1349	0.0011	09-093	19.4	35.4095	35.4151	-0.0056
04-033	20.1	36.2613	36.3098	-0.0485	09-093	40.3	36.0267	36.0286	-0.0019
04-033	41.1	36.2345	36.2313	0.0032	09-093	60.4	36.2480	36.2584	-0.0104
04-033	61.4	36.2901	36.3107	-0.0206	09-093	85.9	36.3783	36.3978	-0.0195
04-033	86.1	36.2682	36.2879	-0.0197	09-093	126.7	36.3176	36.3399	-0.0223
04-033	126.3	36.4423	36.4618	-0.0195	09-093	151.4	36.1539	36.1746	-0.0207
04-033	152.3	36.4562	36.4864	-0.0302	09-093	252.6	35.6034	35.6175	-0.0141
04-033	251.8	36.0029	35.9156	0.0873	09-093	403.0	35.1496	35.1545	-0.0049
04-033	402.8	35.3631	35.3758	-0.0127	09-093	555.1	34.9764	34.9377	0.0387
04-033	555.0	35.1139	35.0441	0.0698	09-093	807.6	34.9131	34.9118	0.0013
04-033	808.9	34.9043	34.9084	-0.0041	10-097	1.4	35.9900	36.0075	-0.0175
05-050	2.7	35.4587	35.4663	-0.0076	10-097	10.3	36.0799	36.1082	-0.0283
05-050	9.7	35.4647	35.4563	0.0084	10-097	20.3	36.0931	36.1072	-0.0141
05-050	20.2	35.4538	35.4559	-0.0021	10-097	41.0	36.4246	36.4501	-0.0255
05-050	40.2	36.1643	36.2122	-0.0479	10-097	57.3	36.4290	36.4627	-0.0337
05-050	60.7	36.3134	36.3399	-0.0265	10-097	86.2	36.4395	36.4639	-0.0244
05-050	86.3	36.3108	36.3377	-0.0269	10-097	126.9	36.2328	36.2589	-0.0261
05-050	126.9	36.3121	36.3240	-0.0119	10-097	152.1	36.0968	36.1163	-0.0195
05-050	151.3	36.4553	36.5029	-0.0476	10-097	253.0	35.5431	35.5458	-0.0027
05-050	252.0	35.8674	35.8744	-0.0070	10-097	403.0	35.1052	35.0984	0.0068
05-050	403.0	35.3196	35.3266	-0.0070	10-097	554.2	34.9572	34.9282	0.0290
05-050	554.7	35.0813	35.0252	0.0561	10-097	814.2	35.1973	34.9149	0.2824
05-050	807.6	34.9113	34.9073	0.0040	11-112	1.3	36.0006	36.0198	-0.0192
06-059	1.6	35.6404	35.6562	-0.0158	11-112	10.3	36.0138	36.0188	-0.0050
06-059	10.3	35.7205	35.7143	0.0062	11-112	20.2	36.1830	36.1989	-0.0159
06-059	19.7	35.7585	35.7595	-0.0010	11-112	40.3	36.2311	36.2202	0.0109
06-059	39.7	36.2129	36.2016	0.0113	11-112	60.4	36.3184	36.3479	-0.0295
06-059	61.5	36.2490	36.2712	-0.0222	11-112	85.5	36.5472	36.5566	-0.0094
06-059	86.8	36.3670	36.4017	-0.0347	11-112	126.0	36.8126	36.8465	-0.0339
06-059	127.8	36.2886	36.3213	-0.0327	11-112	152.5	36.5358	36.5646	-0.0288
06-059	152.4	36.1845	36.1767	0.0078	11-112	252.8	35.9002	35.9002	0.0000
06-059	252.4	35.5487	35.5568	-0.0081	11-112	403.9	35.3647	35.3720	-0.0073
06-059	403.1	35.1172	35.1230	-0.0058	11-112	555.5	35.1379	35.0207	0.1172
06-059	554.6	35.1034	34.9309	0.1725	11-112	804.7	35.1567	34.9111	0.2456
06-059	809.7	35.0725	34.9141	0.1584	12-116	809.8	34.9160	34.9138	0.0022
06-054	1.2	36.1771	36.2031	-0.0260	12-116	555.2	35.4290	35.3913	0.0377
06-054	9.9	36.1929	36.2016	-0.0087	12-116	403.6	35.9687	35.9921	-0.0234
06-054	20.1	36.2078	36.2009	0.0069	12-116	253.0	36.5702	36.6037	-0.0335
06-054	40.0	36.2859	36.3146	-0.0287	12-116	151.8	36.8038	36.8395	-0.0357
06-054	60.2	36.3286	36.3321	-0.0035	12-116	125.9	36.6177	36.6598	-0.0421
06-054	85.2	36.2553	36.2744	-0.0191	12-116	85.8	36.2603	36.2899	-0.0296
06-054	125.5	36.3846	36.3880	-0.0034	12-116	60.3	36.1576	36.1742	-0.0166
06-054	151.3	36.4510	36.4690	-0.0180	12-116	40.0	36.1540	36.1478	0.0062
06-054	252.1	36.2733	35.8534	0.4199	12-116	20.2	36.1177	36.1375	-0.0198
06-054	403.2	35.3173	35.3202	-0.0029	12-116	10.0	36.1155	36.1383	-0.0228
06-054	554.0	35.1910	35.0589	0.1321	12-116	1.0	36.1179	36.1393	-0.0214
06-054	807.2	34.9021	34.9049	-0.0028	13-133	1.5	28.7988	28.6424	0.1564
07-073	1.1	35.9198	35.9229	-0.0031	13-133	10.3	34.5819	34.7406	-0.1587
07-073	10.9	35.9033	35.9178	-0.0145	13-133	20.7	35.5893	35.6456	-0.0563
07-073	21.0	36.0643	36.0836	-0.0193	13-133	41.7	35.9862	36.0609	-0.0747
07-073	40.2	36.1993	36.2386	-0.0393	13-133	63.5	36.0948	36.1328	-0.0380
07-073	54.5	36.2634	36.2495	0.0139	13-133	88.4	36.4109	36.4188	-0.0079
07-073	85.8	36.2881	36.3062	-0.0181	13-133	129.0	36.3094	36.3159	-0.0065
07-073	126.5	36.3698	36.4130	-0.0432	13-133	156.2	36.2104	36.2097	0.0007
07-073	151.9	36.4161	36.4355	-0.0194	13-133	256.3	35.7336	35.7315	0.0021
07-073	252.3	35.6795	35.6967	-0.0172	13-133	405.4	35.2099	35.2140	-0.0041
07-073	406.1	35.0959	35.0988	-0.0029	13-133	555.7	35.1032	34.9527	0.1505
07-073	555.6	34.9522	34.9187	0.0335	13-133	804.6	35.4149	34.9055	0.5094
07-073	806.4	34.9144	34.9172	-0.0028	14-135	1.3	27.6119	27.4434	0.1685
08-076	1.3	35.5214	35.5317	-0.0103	14-135	10.0	32.5874	32.7609	-0.1735
08-076	9.8	35.5204	35.5297	-0.0093	14-135	20.5	35.3975	35.3696	0.0279
08-076	20.4	35.5199	35.5284	-0.0085	14-135	40.6	36.0670	36.1213	-0.0543
08-076	40.4	36.0288	36.0462	-0.0174	14-135	66.4	36.2696	36.2998	-0.0302
08-076	60.3	36.3392	36.3053	0.0339	14-135	86.3	36.3591	36.3159	0.0432
08-076	85.6	36.2834	36.3070	-0.0236	14-135	126.3	36.3729	36.4002	-0.0273
08-076	125.8	36.3688	36.4065	-0.0377	14-135	151.6	36.2174	36.2299	-0.0125
08-076	151.4	36.4012	36.4263	-0.0251	14-135	252.6	35.6739	35.6852	-0.0113
08-076	252.4	35.9050	35.9212	-0.0162	14-135	404.6	35.1902	35.1970	-0.0068
08-076	403.7	35.3311	35.3127	0.0184	14-135	556.9	35.2637	34.9711	0.2926
08-076	543.8	35.0620	35.0220	0.0400	14-135	807.1	34.8989	34.9032	-0.0043

# CTD Surface Salinity (PSU)

GulfCet\_06





**STATION POSITIONS**

Table 1. Cruise 06 XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
03-021	9/6/93	1117	27°55.98	94°50.04	T-10	08-083	9/1/93	1548	27°49.50	91°30.00	T-7
03-022	9/6/93	1038	27°51.53	94°49.98	T-10	08-084	9/1/93	1531	27°52.00	91°30.00	T-7
03-023	9/6/93	1017	27°49.07	94°49.91	T-7	08-085	9/1/93	1525	27°52.99	91°29.94	T-10
03-024	9/6/93	0919	27°42.01	94°50.02	T-7	09-EX6	8/31/93	1800	28°49.43	90°47.27	T-7
03-025	9/6/93	0816	27°34.00	94°50.01	T-7	09-088	9/1/93	0840	28°02.52	90°50.06	T-10
03-026	9/6/93	0711	27°26.00	94°50.01	T-7	09-089	9/1/93	0723	28°00.00	90°50.00	T-7
03-027	9/6/93	0650	27°23.09	94°49.70	T-7	09-090	9/1/93	0614	27°52.00	90°49.99	T-7
03-028	9/6/93	0400	27°03.49	94°50.05	T-7	09-091*	9/1/93	0512	27°45.95	90°50.00	T-7
03-029	9/6/93	0128	26°46.00	94°49.81	T-7	09-092	9/1/93	0425	27°39.49	90°50.08	T-7
03-B11	9/5/93	2354	26°31.05	94°50.09	T-7	09-094	9/1/93	0014	27°16.00	90°49.98	T-20
03-030	9/5/93	2229	26°18.16	94°50.16	T-20	09-B04	8/31/93	2202	26°59.96	90°50.05	T-7
BL-EX9	9/5/93	2110	26°16.95	94°36.97	T-7	10-098	8/31/93	1325	27°11.48	90°10.03	T-7
04-032	9/5/93	1515	26°36.96	94°10.03	T-20	10-B03	8/31/93	1127	27°26.05	90°9.88	T-7
04-033	9/5/93	1314	26°46.61	94°10.15	T-7	10-099	8/31/93	0930	27°40.00	90°10.00	T-20
04-B10	9/5/93	1041	27°06.00	94°09.97	T-7	10-101	8/31/93	0712	27°50.00	90°09.95	T-7
04-037	9/5/93	0640	27°30.00	94°10.00	T-20	10-102	8/31/93	0534	28°02.09	90°10.06	T-7
04-038	9/5/93	0537	27°38.00	94°10.00	T-7	10-103	8/31/93	0519	28°04.00	90°10.00	T-7
04-039	9/5/93	0512	27°41.00	94°10.01	T-7	10-104	8/31/93	0431	28°09.50	90°10.00	T-10
04-040	9/5/93	0445	27°44.00	94°10.02	T-7	BL-EX5	8/31/93	0136	28°25.70	89°56.50	T-10
04-041	9/5/93	0400	27°49.96	94°10.02	T-10	BL-EX4	8/30/93	2357	28°35.48	89°43.32	T-10
BL-EX8	9/5/93	1955	26°17.00	94°23.51	T-7	11-107	8/30/93	2040	28°36.00	89°30.04	T-10
05-045	9/4/93	2011	27°34.99	93°29.46	T-7	11-108	8/30/93	2008	28°32.10	89°30.01	T-7
05-046	9/4/93	1955	27°32.99	93°30.01	T-7	11-109	8/30/93	1937	28°28.31	89°30.25	T-7
05-048	9/4/93	1534	27°21.00	93°29.95	T-7	11-110	8/30/93	1839	28°21.99	89°30.27	T-7
05-049	9/4/93	1518	27°05.98	93°29.98	T-20	11-111	8/30/93	1740	28°15.11	89°29.95	T-20
05-051	9/4/93	1059	26°43.00	93°29.90	T-20	11-B02	8/30/93	1321	27°51.86	89°30.06	T-7
05-B09	9/4/93	0819	26°26.10	93°29.90	T-7	11-EX3	8/31/93	1759	29°17.31	89°29.99	T-7
06-B08	9/3/93	2207	26°29.92	92°50.09	T-7	11-113	8/30/93	1042	27°37.99	89°29.88	T-20
06-056	9/3/93	1811	26°52.24	92°49.81	T-20	12-B01	8/29/93	2153	27°59.97	88°50.01	T-7
06-B07	9/3/93	1621	27°05.96	92°49.93	T-7	12-EX3	8/29/93	1512	28°36.85	88°49.94	T-7
06-058	9/3/93	1434	27°18.94	92°49.93	T-20	12-118	8/29/93	1953	28°14.41	88°50.12	T-20
06-060	9/3/93	1133	29°34.12	92°49.98	T-7	12-120	8/29/93	1414	28°43.60	88°50.00	T-20
06-061	9/3/93	1023	27°41.05	92°50.10	T-7	12-121	8/29/93	1334	28°46.89	88°49.94	T-7
06-062	9/3/93	0955	27°43.43	92°50.10	T-7	12-122	8/29/93	1244	28°53.05	88°49.98	T-7
06-063	9/3/93	0811	27°55.05	92°49.76	T-10	12-123	8/29/93	1222	28°55.50	88°50.11	T-7
07-EX7	9/2/93	1525	26°47.71	92°07.61	T-7	BL-EX2	8/29/93	0753	29°12.89	88°23.53	T-7
07-066	9/3/93	0130	27°53.00	92°10.03	T-10	13-127	8/29/93	0529	29°13.01	88°09.93	T-10
07-067	9/3/93	0121	27°51.99	92°10.03	T-7	13-128	8/29/93	0505	29°10.60	88°10.05	T-7
07-068	9/3/93	0021	27°44.97	92°09.97	T-7	13-129	8/29/93	0443	29°08.59	88°09.98	T-7
07-069	9/2/93	2318	27°36.99	92.09.91	T-7	13-130	8/29/93	0411	29°05.00	88°10.00	T-7
07-070	9/2/93	2238	27°29.50	92.09.93	T-20	13-131	8/29/93	0356	29°03.00	88°10.00	T-20
07-072	9/2/93	1851	27°10.03	92°10.11	T-20	13-132	8/29/93	0200	28°49.00	88°10.00	T-7
07-B06	9/2/93	1125	26°31.00	92°10.00	T-7	14-137	8/28/93	1151	29°03.97	87°30.09	T-7
08-B05	9/1/93	2327	26°59.98	91°30.00	T-7	14-138*	8/28/93	1021	29°15.00	87°30.00	T-20
08-079*	9/1/93	2015	27°22.71	91°29.98	T-20	14-140	8/28/93	0928	29°19.85	87°29.00	T-7
08-081	9/1/93	1755	27°32.93	91°30.28	T-20	14-141	8/28/93	0912	29°21.98	87°29.99	T-7
08-082	9/1/93	1633	27°45.53	91°30.00	T-7	14-142	8/28/93	?	29°24.94	87°30.01	T-10
						14-Ex1	8/28/93	?	29°17.07	87°29.53	T-7

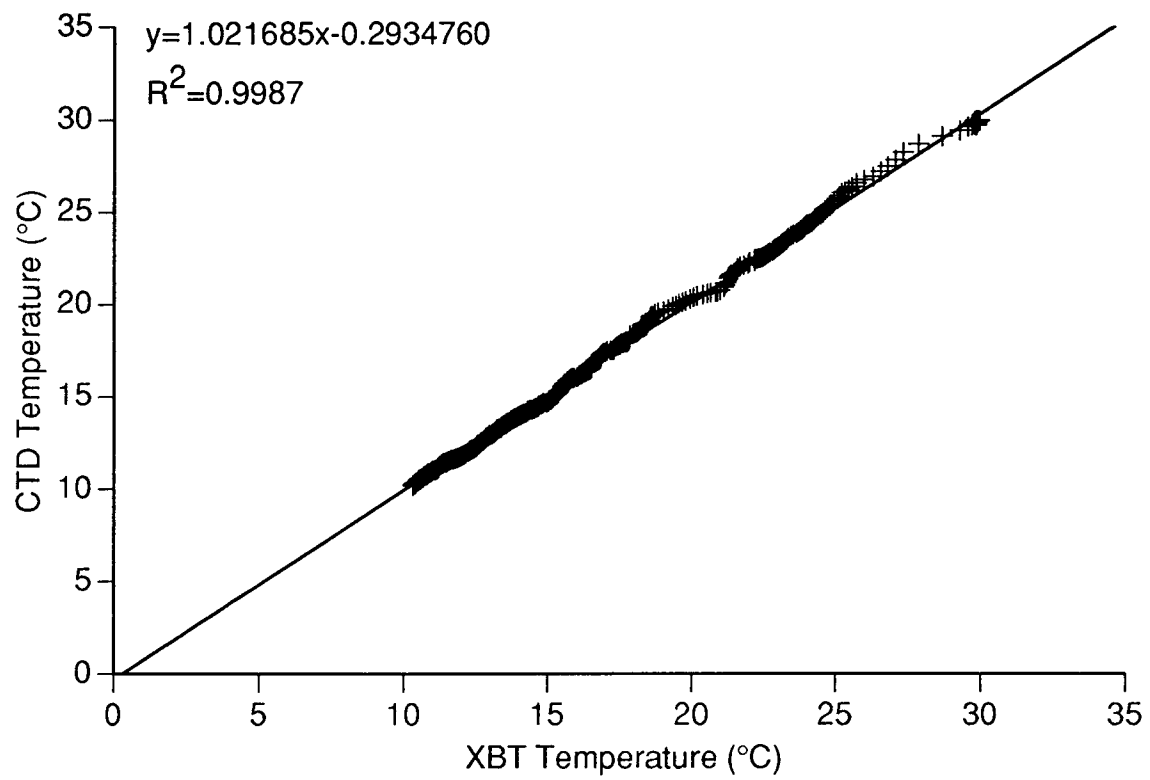
Note: \* "bad" probe

Table 2. Cruise 06 CTD Station Positions

Station	Date	Time	Latitude	Longitude	Depth (m)	Station	Date	Time	Latitude	Longitude	Depth (m)
04-031	9/5/93	1757	26°17.00	94°09.93	2000	09-087	9/1/93	0904	28°08.99	90°50.00	106
04-033	9/5/93	1323	26°45.88	94°10.24	1350	09-093	9/1/93	0142	27°25.90	90°50.05	832
04-036	9/5/93	0716	27°25.75	94°09.91	826	09-096	8/31/93	1849	26°44.98	90°50.02	2000
04-042	9/5/93	0314	27°53.96	94°09.97	96	10-097	8/31/93	1341	27°09.97	90°10.02	2000
05-043	9/4/93	2319	28°00.02	93°30.07	91	10-100	8/31/93	0758	27°46.06	90°10.00	721
05-047	9/4/93	1823	27°25.96	93°30.01	565	10-105	8/31/93	0318	28°15.99	90°10.00	90
05-050	9/4/93	1125	26°46.00	93°29.99	1470	11-106	8/30/93	2200	28°44.96	89°29.95	95
05-053	9/4/93	0514	26°10.01	93°29.98	2000	11-112	8/30/93	1526	28°06.13	89°29.97	1075
06-054	9/4/93	0029	26°14.04	92°49.96	2000	11-115	8/30/93	0830	27°27.80	89°29.93	2000
06-055	9/3/93	1907	26°45.98	92°49.94	1745	12-116	8/30/93	0347	27°26.02	88°49.97	2000
06-059	9/3/93	1246	27°25.83	92°50.08	1035	12-117	8/30/93	0003	27°45.73	88°49.25	1575
06-064	9/3/93	0655	28°01.97	92°50.00	96	12-119	8/29/93	1713	28°25.90	88°49.93	1300
07-065	9/3/93	0251	28°02.11	92°10.01	101	12-125	8/29/93	1042	29°06.32	88°49.97	91
07-071	9/2/93	2109	27°25.93	92°10.03	814	13-126	8/29/93	0610	29°16.51	88°09.91	97
07-073	9/2/93	1340	26°45.97	92°09.96	1800	13-133	8/29/93	0053	28°46.09	88°10.00	1850
07-075	9/2/93	0820	26°16.96	92°09.97	2000	13-134	8/28/93	2238	28°36.96	88°10.05	2000
08-076	9/2/93	0242	26°36.96	91°29.89	2000	14-135	8/28/93	1830	28°30.93	87°31.13	2000
08-080	9/1/93	1901	27°25.98	91°29.99	950	14-136	8/28/93	1457	28°45.88	87°29.98	1600
08-086	9/1/93	1320	28°07.52	91°30.08	100	14-143	8/28/93	0826	29°24.99	87°30.00	90

## TEMPERATURE AND SALINITY

Figure 2. CTD versus XBT Temperatures at Station 04-033



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Figure 3. Niskin Bottle Salinity versus CTD Salinity

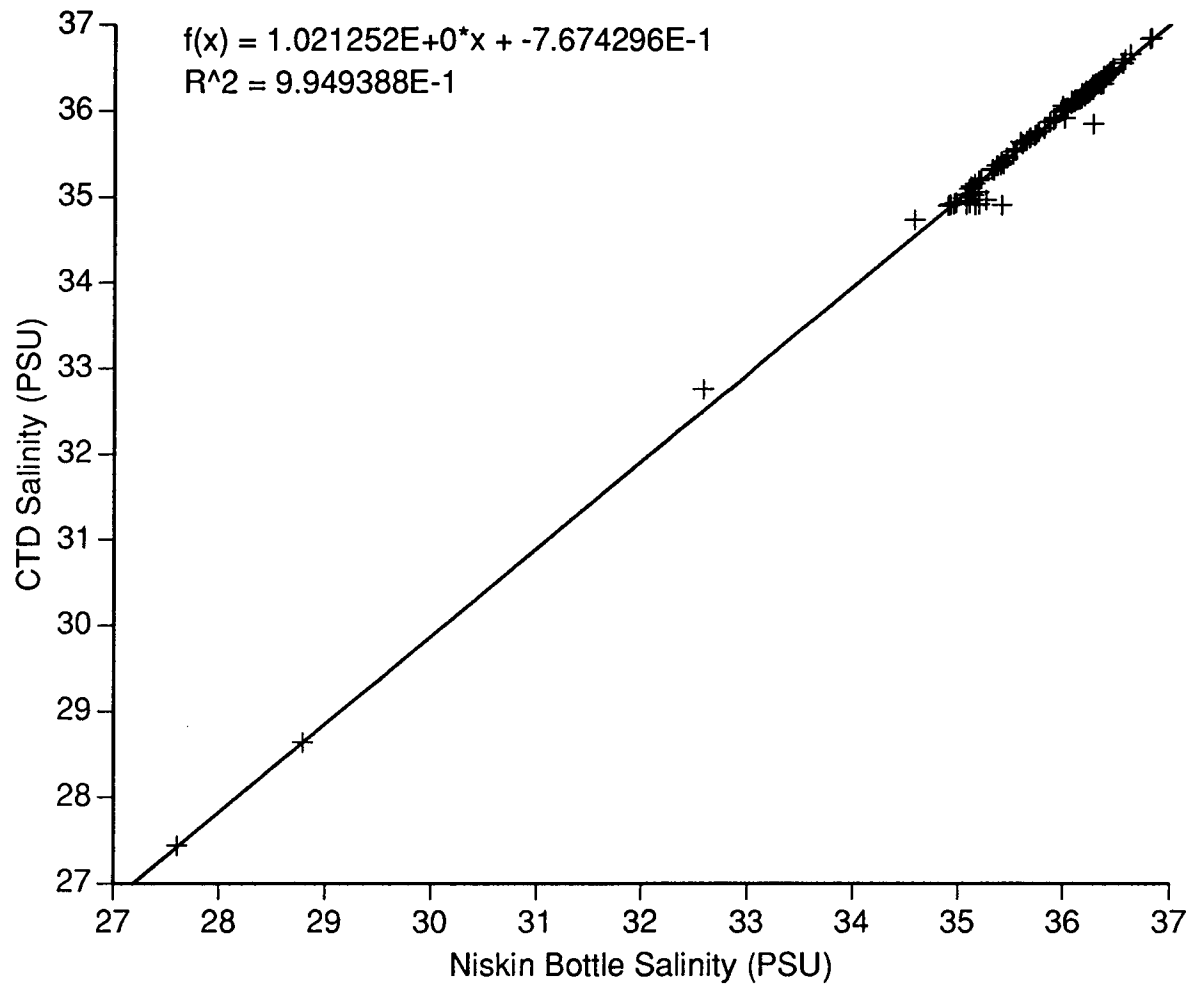
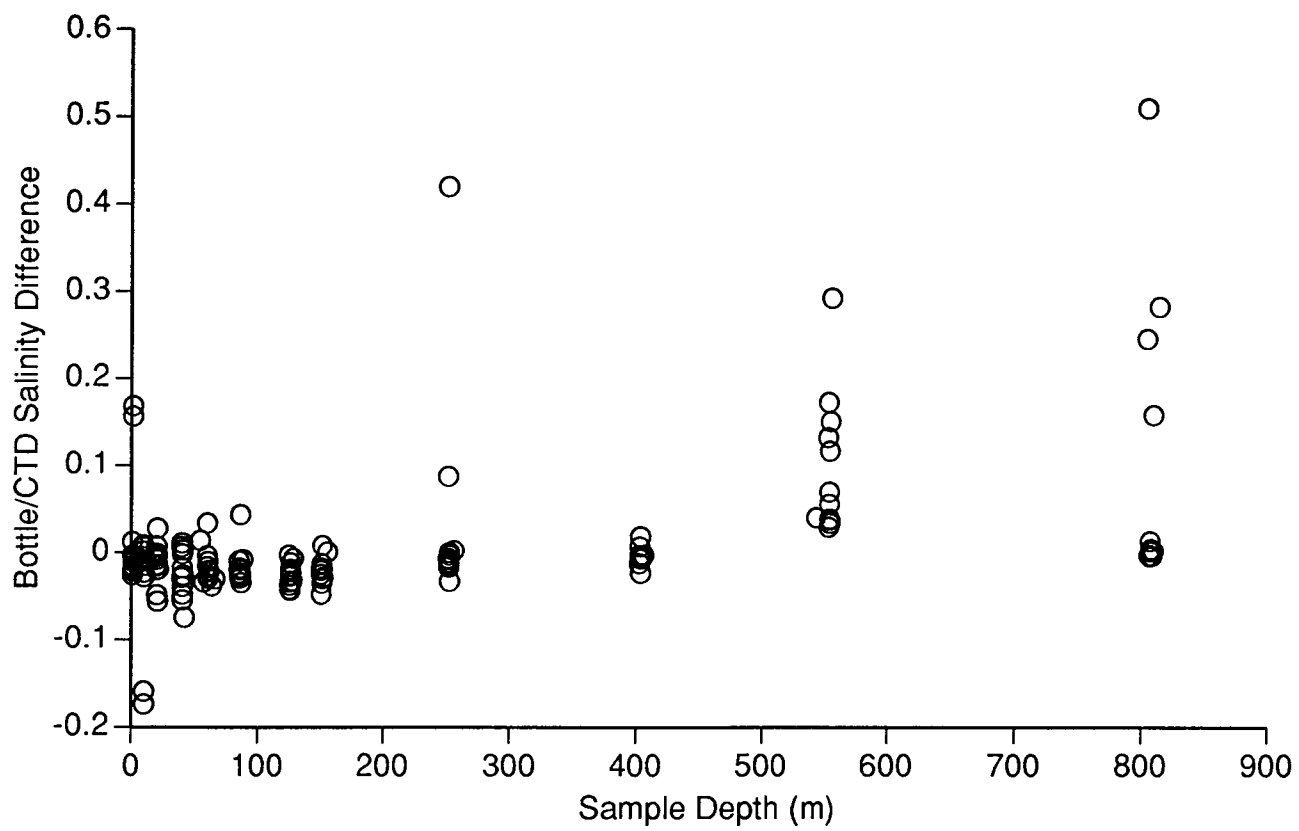


Figure 4. Sample Depth versus Bottle/CTD Salinity Difference



### **3.2 Remote Sensing and Geographical Information System**



A. Computer hardware

1. Central Processing Unit  
Manufacturer: Silicon Graphics  
Model no.: Crimson Elan/W6 DCRIMS
  - One "Centronics" port
  - Ethernet port with thick wire interface
  - two external SCSI ports and controllers
  - four RS-232 ports expandable to eight ports
  - three button mouse
  - American-style keyboard
  
2. Random Access Memory - 80 megabytes (MB)  
Manufacturer: R Squared  
Model no.: RAM709
  - System will be equipped with 16 MB of standard density memory from Silicon Graphics.
  - A 64 MB RAM module from R Squared will be added for a total of 80 MB
  - RAM can be expanded to a maximum of 256 MB
  
3. One System Disk  
Manufacturer: Silicon Graphics  
Model no: SD6-MS12
  - 1.2 gigabytes (GB) of storage
  - small computer system interface (SCSI)
  - <18 millionths of a second average seek time
  
4. Two Read/Write Dismountable  
Magnetic/Optical Storage Devices  
Manufacturer: Pinnacle Micro  
Model no.: OMD 600 HS
  - 594 MB formatted storage space on each unit
  - 12 data disks were purchased for the project providing a total of 7.1 GB of storage space
  
5. Compact Disk - Read Only Memory (CD-ROM) SCSI drive
  
6. 150 MB 1/4" SCSI magnetic tape drive
  
7. Nine track magnetic tape drive  
(reads/writes data at 800, 1600, 3200, and 6250 bpi)
  
8. High speed line printer
  
9. Color printer
  
10. Hard copy device for making slides and photographs

11. System Software
  - UNIX operating system  
version 4.3 of the Berkley Software Distribution
  - Network File System
  - C compiler
  - FORTRAN 77 compiler
12. Applications Software (also refer to Appendix B)
  - UNIX workstation version of the AGIS,  
developed by Delta Data Systems, Inc. (Picayune, MS)
  - The full multibyte and portable version (v. 9.0) of the  
ELAS developed by Nat. Aeronautics & Space Admin.

## B. Computer software

1. The AGIS Software
  - a. Hardware platforms currently supported
    - 1). MS-DOS PC's
    - 2). UNIX-based Silicon Graphics workstations
  - b. Advantages
    - 1). Simultaneous raster/vector processing
    - 2). NASA's ELAS ancestry
    - 3). Excellent vendor support
  - c. Utilities for reformatting files
    - 1). Import
      - a). U.S. Geological Survey digital line graph DLG-vector
      - b). Defense Mapping Agency Vector Product Format (VPF)-  
vector
      - c). AutoCad .dxf - vector
      - d). ELAS - raster
      - e). NESDIS level 1B - AVHRR data - raster
      - f). IDIDAS (CoastWatch SST images) - raster
      - g). PCX - raster
      - h).TGA - raster
      - i). tagged image file format (TIFF) - raster
      - j). "generic" pixel matrix - raster
      - k). Spatial data transfer standard (STDS) - vector and  
raster (will be made available if standards are  
implemented)
    - 2). Export
      - a) U.S. Geological Survey digital line graph (DLG) - vector
      - b) Defense Mapping Agency Vector Product Format (VPF)  
vector (in preparation)
      - c). ELAS - raster
      - d). PCX - raster
      - e). tagged image file format (TIFF) - raster
      - f). "generic" pixel matrix - raster

g). Spatial data transfer standard (STDS) - vector and raster (will be made available if standards are implemented)

2. Science and Technology Laboratory Applications Software (ELAS)

- a. UNIX versions operate on Silicon Graphics and Sun workstations.
- b. Public domain software developed by the National Aeronautics and Space Administration.
- c. Processes raster maps only; imports and stores vector data as individual points, lines, or polygons but can only be used as interactive graphic displays or as a template to process selected areas in raster images.
- d. Broad range of image processing/GIS utilities available, organized into 350-400 modules.
- e. Written in FORTRAN language; source code available for customizing existing ELAS modules or developing new modules for specialized applications
- f. Considerable staff expertise at NMFS-SSC using ELAS for over a decade

3. Geographic information system analysis tools

A. Retrieval classification and measurement functions

- 1). Retrieval - selective search and output of data as originally entered into the data base, e.g., generation of a map showing the numbers of bottlenose dolphins observed in a surface temperature range of 24-25° C
- 2). Classification - aggregation of map entities possessing common characteristics into classes, e.g., classification of a satellite observed SST map ranging from 15.1° to 30.0° C (containing up to 150 temperature classes) into three temperature zones (15.1 - 20.0° 20.1- 25.0°, and > 25.0°) and storing the new classes as part of the original map attribute file
- 3). Measurement - measurement of distances between points, lengths of lines, areas and perimeters of polygons, and numbers of pixels comprising specific classes.

B. Overlay

- 1). Arithmetic operations - addition, subtraction, division, and multiplication of each value in a data layer by the value in the corresponding location of one or more data layers
- 2). Logical operations - creating a new map from two or more map layers where a certain set of conditions occur or do not occur, e.g., creating a new map layer showing the numbers of sperm whales observed within the GULFCET area between the 100 and 200 m isobaths and where the surface water temperature was > 25°C

C. Neighborhood operations

- 1). Search function - the assignment of a value to a specific feature based on some characteristic of its immediate neighborhood, e.g., computing the

standard deviation of satellite observed sea surface temperatures within a five mile radius of cetacean sightings as an index of thermal complexity within the animal's 'neighborhood'.

- 2). Topographic functions - functions used to calculate values that describe the topography at a specific location (e.g., bottom depth) or vicinity of the location (e.g., bottom slope and aspect)
- 3). Interpolation/contouring - using a mathematical function to fit a surface to point measurements of data that may be regularly or irregularly spaced, e.g., using least-squares polynomials to fit a vector map to surface temperature measurements collected at stations along the 14 GULFCET sampling transects

#### D. Connectivity functions

- 1). Contiguity measures - evaluate the characteristics (e.g., size of the area and longest and shortest dimension) of map features that are contiguous; often used by conservation agencies to inventory and manage land parcels where the size, shape, and vegetative cover of the parcels are indicators of the quality of wildlife habitats
- 2). Network functions - a function that describes a set of interconnected linear features that form a network; network models are often used for route optimization and resource allocation
- 3). Seek/Stream functions - uses a decision rule to direct a search outward from a specified point in the map; the process continues until the decision rule is violated; the output from the seek operation is a map with the trace of one or more paths from the starting point until the decision rule was violated; an example is using a seek function and a digital elevation map to determine the path of water flow across a parcel of land from a specific location
- 4). Intervisibility functions - the process is also referred to as viewshed modelling or viewshed mapping; a function used to create a viewshed map of the area within a direct line of sight of a target location, e.g., using the technique with a digital elevation map to create a new map showing the area that can be detected by a radar installation
- 5). Proximity measures - a function used to measure the distance from one class of objects in a map to another class of objects, e.g., computing distances between sperm whale sightings and the nearest oil field structures and displaying the results in a new map.



### **The Department of the Interior Mission**

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



### **The Minerals Management Service Mission**

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

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

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