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3. 調査資料

Oceanographic Observation Data

3．1．第６７次航海

The 67th Cruise

3.1.1　CTD観測表　CTD Observation Table

St.No.	Time(SMT)	GMT	Lat.	Long	A.Temp	W.Temp	Depth	Wind Dir	Wind S'd	Remarks
01	12/14 08:56	12/13 23:56	31° 56.24′ N	145° 22.31′ E	19.4	21.5	5790	NW	7.5	
02	12/15 09:29	12/14 0:30	29° 14.28′ N	150° 23.84′ E	20.6	22.5	5900	NE	4.5	
03	12/16 09:27	12/15 23:27	26° 46.11′ N	154° 48.66′ E	25.0	24.9	6050	E	7.3	
04	12/17 09:29	12/16 22:59	29° 14.28′ N	150° 23.84′ E	25.0	24.9	5540	E	5.6	
05	12/18 09:26	12/17 22:26	21° 52.79′ N	163° 21.20′ E	24.7	26.3	3900	NNE	10.8	
06	12/21 09:29	12/20 21:29	13° 22.02′ N	174° 05.73′ E	26.1	27.4	5500	NE	11.5	
07	12/22 09:25	12/21 21:25	10° 21.53′ N	177° 39.67′ E	26.8	27.8	5700	NNE	12.0	
08	12/22 09:25	12/22 21:25	07° 14.84′ N	178° 40.15′ E	27.2	29.1	5500	NE	5.0	
09	12/23 09:27	12/23 21:27	03° 55.92′ N	174° 43.05′ W	25.8	28.1	5200	SE	7.5	
10	12/24 09:28	12/24 20:58	00° 48.95′ N	171° 24.61′ W	27.1	27.4	5500	E	9.5	
11	12/25 09:27	12/25 20:27	01° 59.48′ S	167° 58.49′ W	27.4	27.5	5500	ENE	12.0	
12	12/26 09:26	12/26 20:26	05° 04.83′ S	164° 39.12′ W	27.6	28.4	3000	ENE	7.0	

使用観測機器

連続電気伝導度水温水深計（CTD）は、FALMOUTH SCIENTIFIC 社製 INTEGRATED CTD を使用した。
今回このCTDに、以下の観測機器を取り付け観測を行った。
BECKMAN社製 溶存酸素センサー
General Oceanics 社製 ニスキン型採水器12本
Chelsea Instruments 社製 蛍光光度計（AQUATRACKAⅢ）
Marine Systems Technology 社製 濁度計（Transmissometers）

3.1.2 CTD観測データ CTD Data

STATION - 01 DEPTH - 005790 M
DATE - 1996/12/13 POSITION LAT. - 31° 56.24 N
TIME - 23:56 LONG. - 145° 22.31 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	21.954	34.540	23.883	1526.7	21.954	23.883	5.00	4.70
1.0	21.956	34.664	23.976	1526.9	21.956	23.976	4.99	4.72
2.0	21.970	34.667	23.975	1527.0	21.970	23.975	4.99	4.41
3.0	21.961	34.672	23.981	1527.0	21.960	23.982	4.99	4.54
4.0	21.970	34.675	23.981	1527.0	21.969	23.981	4.99	4.60
5.0	21.962	34.674	23.982	1527.0	21.961	23.983	4.99	4.63
10.0	21.959	34.675	23.984	1527.1	21.957	23.984	4.99	4.49
15.0	21.956	34.674	23.984	1527.2	21.953	23.985	4.99	4.63
20.0	21.958	34.675	23.984	1527.2	21.954	23.985	4.99	4.67
25.0	21.958	34.674	23.983	1527.3	21.953	23.985	4.99	4.71
30.0	21.959	34.675	23.984	1527.4	21.953	23.986	4.99	4.69
40.0	21.961	34.675	23.983	1527.6	21.953	23.985	4.99	4.70
50.0	21.961	34.674	23.983	1527.7	21.951	23.986	4.99	4.68
75.0	21.965	34.674	23.981	1528.2	21.950	23.986	4.99	4.67
100.0	21.833	34.669	24.014	1528.2	21.813	24.020	5.00	4.64
125.0	21.664	34.660	24.054	1528.2	21.639	24.061	5.02	4.59
150.0	21.537	34.656	24.087	1528.2	21.508	24.095	5.03	4.55
200.0	20.645	34.758	24.407	1526.8	20.607	24.417	5.11	4.38
250.0	19.290	34.896	24.869	1524.0	19.244	24.880	5.24	4.25
300.0	17.906	34.826	25.163	1520.7	17.854	25.176	5.38	4.16
400.0	15.552	34.683	25.606	1515.1	15.490	25.620	5.64	4.13
500.0	12.797	34.477	26.029	1507.5	12.729	26.042	5.97	3.80
600.0	9.741	34.354	26.492	1498.2	9.671	26.503	6.38	3.05
700.0	6.596	34.148	26.803	1487.6	6.531	26.811	6.86	2.82
800.0	5.595	34.213	26.981	1485.4	5.526	26.990	7.02	2.10
900.0	4.762	34.278	27.130	1483.7	4.689	27.138	7.16	1.53
1000.0	3.865	34.301	27.244	1481.7	3.791	27.252	7.32	1.04
1004.9	3.843	34.303	27.248	1481.7	3.768	27.256	7.32	1.01

STATION - 02 DEPTH - 005900 M
DATE - 1996/12/14 POSITION LAT. - 29° 14.28 N
TIME - 23:59 LONG. - 150° 23.84 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	22.684	34.393	23.566	1528.5	22.684	23.566	4.94	4.62
1.0	22.648	34.926	23.980	1529.0	22.647	23.980	4.93	4.60
2.0	22.756	34.894	23.925	1529.3	22.756	23.925	4.92	4.51
3.0	22.735	34.906	23.940	1529.2	22.734	23.940	4.92	4.45
4.0	22.735	34.909	23.942	1529.3	22.734	23.943	4.92	4.44
5.0	22.735	34.912	23.945	1529.3	22.734	23.945	4.92	4.45
10.0	22.739	34.917	23.947	1529.4	22.737	23.948	4.92	4.44
15.0	22.741	34.919	23.948	1529.5	22.738	23.949	4.92	4.55
20.0	22.742	34.929	23.956	1529.6	22.738	23.957	4.92	4.58
25.0	22.344	34.815	23.983	1528.5	22.339	23.984	4.96	4.66
30.0	21.723	34.685	24.057	1526.8	21.717	24.059	5.01	4.75
40.0	21.661	34.675	24.067	1526.8	21.653	24.069	5.02	4.78
50.0	21.500	34.625	24.073	1526.5	21.490	24.076	5.04	4.79
75.0	21.218	34.580	24.116	1526.1	21.204	24.120	5.06	4.78
100.0	21.013	34.536	24.139	1525.9	20.994	24.144	5.08	4.72
125.0	19.680	34.850	24.732	1523.0	19.657	24.738	5.20	4.46
150.0	18.518	34.874	25.048	1520.1	18.491	25.055	5.31	4.44
200.0	17.493	34.857	25.288	1517.9	17.459	25.296	5.42	4.47
250.0	17.049	34.840	25.381	1517.4	17.007	25.391	5.47	4.58
300.0	16.489	34.776	25.464	1516.4	16.441	25.475	5.53	4.48
400.0	14.258	34.576	25.806	1510.8	14.199	25.818	5.79	4.24
500.0	11.380	34.357	26.206	1502.5	11.317	26.218	6.16	4.18
600.0	8.018	34.114	26.575	1491.5	7.956	26.584	6.64	3.68
700.0	5.987	34.048	26.802	1485.1	5.925	26.810	6.97	2.90
800.0	4.822	34.097	26.980	1482.1	4.758	26.987	7.16	1.99
900.0	4.190	34.217	27.144	1481.3	4.121	27.151	7.27	1.16
1000.0	3.840	34.286	27.235	1481.6	3.766	27.242	7.33	0.92
1011.6	3.773	34.301	27.253	1481.5	3.698	27.261	7.34	0.88

STATION - 03 DEPTH - 006080 M
DATE - 1996/12/15 POSITION LAT. - 26° 46.11 N
TIME - 23:27 LONG. - 154° 48.66 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	24.873	35.055	23.424	1534.7	24.873	23.424	4.73	4.34
1.0	24.875	35.095	23.452	1534.7	24.875	23.453	4.73	4.32
2.0	24.846	35.121	23.481	1534.7	24.845	23.481	4.73	4.24
3.0	24.821	35.127	23.494	1534.7	24.820	23.494	4.74	4.23
4.0	24.810	35.126	23.496	1534.6	24.809	23.496	4.74	4.25
5.0	24.806	35.127	23.498	1534.7	24.804	23.498	4.74	4.27
10.0	24.810	35.129	23.498	1534.7	24.807	23.499	4.74	4.30
15.0	24.806	35.128	23.499	1534.8	24.802	23.500	4.74	4.29
20.0	24.808	35.127	23.497	1534.9	24.803	23.499	4.74	4.27
25.0	24.808	35.130	23.500	1535.0	24.803	23.501	4.74	4.34
30.0	24.807	35.129	23.499	1535.1	24.800	23.501	4.74	4.29
40.0	24.813	35.132	23.500	1535.3	24.804	23.503	4.74	4.35
50.0	24.650	35.141	23.556	1535.0	24.639	23.559	4.75	4.36
75.0	22.539	35.057	24.111	1530.1	22.524	24.115	4.93	4.56
100.0	20.141	35.005	24.730	1524.1	20.122	24.734	5.15	4.67
125.0	18.328	34.914	25.126	1519.2	18.306	25.131	5.33	4.63
150.0	17.492	34.864	25.293	1517.1	17.466	25.299	5.42	4.46
200.0	16.981	34.835	25.393	1516.4	16.948	25.401	5.47	4.48
250.0	16.628	34.802	25.451	1516.1	16.587	25.460	5.51	4.42
300.0	15.712	34.700	25.583	1514.0	15.665	25.594	5.62	4.32
400.0	13.545	34.527	25.917	1508.4	13.488	25.929	5.88	4.25
500.0	10.763	34.297	26.271	1500.2	10.701	26.282	6.24	4.20
600.0	8.018	34.100	26.565	1491.5	7.956	26.574	6.64	3.72
700.0	5.568	34.049	26.854	1483.4	5.509	26.861	7.04	2.64
800.0	4.585	34.119	27.023	1481.1	4.522	27.030	7.20	1.71
900.0	4.072	34.253	27.185	1480.8	4.004	27.192	7.29	0.95
1000.0	3.785	34.336	27.280	1481.4	3.711	27.287	7.33	0.72
1005.7	3.760	34.342	27.287	1481.4	3.686	27.294	7.34	0.72

STATION - 04 DEPTH - 005540 M
DATE - 1996/12/16 POSITION LAT. - 24° 19.36 N
TIME - 22:59 LONG. - 159° 07.92 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	25.263	34.917	23.200	1535.4	25.263	23.200	4.71	4.08
1.0	25.154	34.995	23.292	1535.3	25.154	23.292	4.71	3.42
2.0	25.287	35.039	23.285	1535.7	25.287	23.285	4.70	4.10
3.0	25.287	35.038	23.284	1535.7	25.286	23.285	4.70	4.27
4.0	25.287	35.041	23.287	1535.7	25.286	23.287	4.70	4.29
5.0	25.278	35.038	23.287	1535.7	25.277	23.287	4.70	4.31
10.0	25.264	35.043	23.295	1535.7	25.262	23.295	4.70	4.33
15.0	25.259	35.043	23.296	1535.8	25.256	23.297	4.70	4.32
20.0	25.260	35.043	23.296	1535.9	25.255	23.298	4.70	4.32
25.0	25.259	35.042	23.296	1536.0	25.253	23.298	4.70	4.35
30.0	25.257	35.044	23.298	1536.1	25.250	23.300	4.70	4.34
40.0	25.257	35.047	23.300	1536.2	25.248	23.303	4.70	4.36
50.0	25.100	35.082	23.374	1536.1	25.089	23.378	4.72	4.37
75.0	23.926	35.130	23.763	1533.7	23.910	23.768	4.81	4.50
100.0	21.229	35.136	24.536	1527.2	21.209	24.542	5.05	4.39
125.0	18.996	34.972	25.002	1521.2	18.973	25.007	5.26	4.62
150.0	17.930	34.894	25.209	1518.5	17.904	25.216	5.37	4.58
200.0	17.259	34.855	25.342	1517.2	17.226	25.350	5.44	4.57
250.0	16.938	34.840	25.407	1517.1	16.897	25.416	5.48	4.61
300.0	16.611	34.807	25.459	1516.9	16.562	25.470	5.51	4.58
400.0	14.816	34.632	25.729	1512.7	14.756	25.742	5.72	4.51
500.0	12.379	34.438	26.080	1506.0	12.312	26.093	6.02	4.53
600.0	8.923	34.153	26.467	1494.9	8.857	26.478	6.51	3.89
700.0	6.587	34.099	26.765	1487.5	6.522	26.773	6.87	2.68
800.0	5.241	34.129	26.957	1483.8	5.174	26.965	7.09	1.83
900.0	4.532	34.219	27.108	1482.7	4.461	27.116	7.21	1.20
1000.0	4.060	34.314	27.234	1482.5	3.984	27.242	7.28	0.85
1005.6	4.010	34.310	27.236	1482.4	3.934	27.244	7.29	0.82

STATION - 05 DEPTH - 003900 M
DATE - 1996/12/17 POSITION LAT. - 21° 52.79 N
TIME - 22:26 LONG. - 163° 21.20 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	26.578	34.938	22.807	1538.5	26.578	22.807	4.60	3.12
1.0	26.650	34.970	22.809	1538.7	26.650	22.809	4.60	3.51
2.0	26.674	34.967	22.799	1538.8	26.673	22.799	4.60	3.80
3.0	26.678	34.971	22.800	1538.8	26.677	22.800	4.59	3.90
4.0	26.694	34.971	22.795	1538.9	26.693	22.795	4.59	3.89
5.0	26.674	34.974	22.804	1538.9	26.673	22.804	4.59	3.95
10.0	26.666	34.973	22.806	1538.9	26.664	22.807	4.60	4.02
15.0	26.666	34.975	22.807	1539.0	26.663	22.808	4.60	4.06
20.0	26.665	34.974	22.807	1539.1	26.661	22.808	4.60	4.07
25.0	26.667	34.975	22.807	1539.2	26.661	22.808	4.60	4.08
30.0	26.673	34.974	22.804	1539.3	26.666	22.807	4.60	4.08
40.0	26.674	34.975	22.805	1539.4	26.665	22.807	4.59	4.10
50.0	26.676	34.975	22.804	1539.6	26.664	22.808	4.59	4.09
75.0	26.681	34.976	22.803	1540.0	26.664	22.809	4.59	4.12
100.0	26.324	35.037	22.962	1539.7	26.302	22.969	4.62	4.21
125.0	24.547	35.209	23.638	1536.1	24.520	23.646	4.76	4.40
150.0	23.192	35.200	24.031	1533.1	23.161	24.040	4.87	4.28
200.0	20.163	35.008	24.726	1525.8	20.125	24.736	5.15	3.87
250.0	17.533	34.827	25.254	1518.8	17.490	25.265	5.42	3.86
300.0	14.780	34.549	25.673	1510.8	14.735	25.683	5.73	3.69
400.0	10.837	34.234	26.209	1498.7	10.788	26.217	6.23	3.48
500.0	8.599	34.145	26.512	1492.1	8.545	26.520	6.55	3.17
600.0	6.767	34.137	26.771	1486.7	6.711	26.779	6.84	2.18
700.0	5.834	34.236	26.970	1484.7	5.773	26.977	6.98	1.22
800.0	4.989	34.315	27.134	1483.1	4.923	27.141	7.12	0.90
900.0	4.138	34.369	27.270	1481.3	4.070	27.277	7.27	0.78
1000.0	3.834	34.457	27.371	1481.8	3.759	27.379	7.32	0.97
1005.5	3.825	34.460	27.374	1481.8	3.750	27.382	7.32	0.98

STATION - 06 DEPTH - 005500 M
DATE - 1996/12/20 POSITION LAT. - 13° 22.02 N
TIME - 21:29 LONG. - 174° 05.73 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	27.849	34.518	22.084	1540.9	27.849	22.084	4.52	4.20
1.0	27.854	34.528	22.089	1540.9	27.853	22.089	4.52	4.20
2.0	27.827	34.527	22.098	1540.9	27.826	22.098	4.52	4.11
3.0	27.826	34.528	22.098	1540.9	27.825	22.099	4.52	3.99
4.0	27.825	34.530	22.101	1540.9	27.824	22.101	4.52	3.99
5.0	27.826	34.531	22.101	1541.0	27.825	22.101	4.52	4.00
10.0	27.830	34.532	22.100	1541.0	27.828	22.101	4.52	4.03
15.0	27.836	34.530	22.097	1541.1	27.832	22.099	4.52	3.98
20.0	27.838	34.531	22.097	1541.2	27.833	22.099	4.52	4.07
25.0	27.839	34.531	22.097	1541.3	27.833	22.099	4.52	4.01
30.0	27.839	34.531	22.097	1541.4	27.832	22.099	4.52	4.08
40.0	27.840	34.529	22.095	1541.6	27.830	22.098	4.52	4.01
50.0	27.844	34.532	22.096	1541.7	27.832	22.100	4.52	4.10
75.0	27.833	34.532	22.099	1542.1	27.815	22.105	4.52	4.10
100.0	24.883	34.725	23.171	1536.0	24.861	23.178	4.74	4.43
125.0	21.559	34.662	24.086	1527.9	21.534	24.092	5.03	4.11
150.0	19.089	34.705	24.774	1521.6	19.062	24.781	5.26	3.78
200.0	13.450	34.397	25.836	1504.7	13.422	25.841	5.89	3.24
250.0	10.893	34.318	26.264	1496.6	10.863	26.269	6.22	2.69
300.0	9.371	34.294	26.505	1491.9	9.338	26.511	6.43	1.99
400.0	7.799	34.449	26.871	1487.9	7.759	26.877	6.66	0.79
500.0	6.832	34.481	27.033	1485.8	6.785	27.039	6.81	0.81
600.0	6.170	34.496	27.133	1484.8	6.116	27.139	6.92	0.97
700.0	5.637	34.506	27.208	1484.3	5.577	27.215	7.00	1.05
800.0	5.074	34.523	27.289	1483.7	5.008	27.296	7.10	1.14
900.0	4.613	34.537	27.352	1483.5	4.541	27.360	7.18	1.15
1000.0	4.214	34.553	27.408	1483.5	4.136	27.417	7.25	1.23
1006.6	4.199	34.555	27.411	1483.6	4.121	27.420	7.25	1.25

STATION - 07 DEPTH - 005700 M
DATE - 1996/12/21 POSITION LAT. - 10° 21.53 N
TIME - 21:25 LONG. - 177° 39.67 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	27.512	32.446	20.635	1537.5	27.512	20.635	4.60	2.98
1.0	27.370	33.758	21.667	1538.9	27.369	21.667	4.57	2.95
2.0	28.038	34.356	21.900	1541.2	28.038	21.900	4.51	3.13
3.0	28.099	34.197	21.761	1541.1	28.098	21.761	4.51	3.56
4.0	28.099	34.322	21.855	1541.3	28.098	21.855	4.50	3.75
5.0	28.091	34.324	21.859	1541.3	28.089	21.859	4.51	3.82
10.0	28.087	34.325	21.861	1541.4	28.084	21.862	4.51	3.88
15.0	28.087	34.326	21.861	1541.5	28.084	21.863	4.51	3.85
20.0	28.090	34.326	21.861	1541.5	28.085	21.863	4.51	3.87
25.0	28.090	34.326	21.861	1541.6	28.084	21.863	4.51	3.94
30.0	28.091	34.326	21.860	1541.7	28.084	21.863	4.50	3.92
40.0	28.093	34.325	21.859	1541.9	28.084	21.862	4.50	3.96
50.0	28.097	34.331	21.862	1542.1	28.085	21.866	4.50	3.96
75.0	25.297	34.659	22.995	1536.5	25.280	23.000	4.71	4.32
100.0	21.803	34.915	24.209	1528.4	21.783	24.215	5.00	4.18
125.0	20.037	34.928	24.698	1524.1	20.013	24.704	5.16	3.91
150.0	16.332	34.576	25.346	1513.3	16.308	25.352	5.55	3.40
200.0	11.630	34.408	26.200	1498.5	11.605	26.204	6.12	2.34
250.0	10.351	34.474	26.482	1494.9	10.322	26.487	6.29	1.24
300.0	9.454	34.555	26.696	1492.6	9.420	26.702	6.41	0.61
400.0	8.253	34.565	26.895	1489.7	8.211	26.901	6.59	0.64
500.0	7.424	34.544	27.001	1488.2	7.374	27.008	6.71	0.72
600.0	6.608	34.539	27.109	1486.6	6.552	27.117	6.84	0.64
700.0	5.842	34.536	27.206	1485.2	5.781	27.214	6.97	0.63
800.0	5.190	34.545	27.292	1484.2	5.123	27.300	7.08	0.60
900.0	4.698	34.555	27.357	1483.9	4.626	27.365	7.16	0.74
1000.0	4.321	34.567	27.408	1484.0	4.243	27.416	7.23	0.89
1006.7	4.286	34.566	27.411	1483.9	4.207	27.419	7.23	0.89

STATION - 08 DEPTH - 005500 M
DATE - 1996/12/22 POSITION LAT. - 07° 14.84 N
TIME - 21:25 LONG. - 178° 40.15 W

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	29.132	32.617	20.235	1541.3	29.132	20.235	4.47	4.01
1.0	29.132	32.635	20.248	1541.3	29.131	20.248	4.47	4.01
2.0	29.129	33.806	21.127	1542.9	29.128	21.127	4.44	4.02
3.0	29.124	33.871	21.177	1543.0	29.123	21.178	4.44	3.91
4.0	29.122	33.877	21.183	1543.0	29.121	21.183	4.44	3.76
5.0	29.122	33.882	21.187	1543.0	29.120	21.187	4.44	3.77
10.0	29.101	33.879	21.191	1543.0	29.098	21.192	4.44	3.79
15.0	29.092	33.877	21.193	1543.1	29.088	21.194	4.44	3.82
20.0	29.090	33.877	21.194	1543.2	29.085	21.195	4.44	3.85
25.0	29.080	33.881	21.200	1543.2	29.074	21.202	4.44	3.87
30.0	29.119	33.903	21.204	1543.4	29.111	21.206	4.44	3.87
40.0	29.130	33.912	21.206	1543.6	29.120	21.209	4.44	3.87
50.0	29.090	33.948	21.247	1543.7	29.077	21.251	4.44	3.89
75.0	25.719	34.655	22.862	1537.5	25.702	22.867	4.68	3.89
100.0	23.295	34.871	23.752	1532.2	23.274	23.758	4.87	3.19
125.0	20.597	34.806	24.456	1525.5	20.573	24.463	5.11	3.01
150.0	16.789	34.645	25.293	1514.8	16.765	25.299	5.50	2.99
200.0	11.856	34.569	26.282	1499.5	11.830	26.287	6.09	1.80
250.0	10.413	34.653	26.610	1495.4	10.383	26.615	6.27	0.90
300.0	9.660	34.660	26.745	1493.5	9.625	26.750	6.38	0.82
400.0	8.801	34.629	26.860	1491.9	8.758	26.866	6.50	0.60
500.0	7.868	34.589	26.971	1489.9	7.817	26.978	6.64	0.72
600.0	6.931	34.561	27.083	1487.9	6.874	27.090	6.79	0.56
700.0	6.171	34.554	27.178	1486.5	6.108	27.186	6.91	0.62
800.0	5.542	34.556	27.259	1485.7	5.473	27.267	7.02	0.75
900.0	5.056	34.562	27.322	1485.3	4.981	27.330	7.10	0.92
1000.0	4.703	34.566	27.365	1485.5	4.622	27.374	7.16	1.08
1010.7	4.634	34.569	27.375	1485.4	4.552	27.384	7.17	1.09

STATION - 09 DEPTH - 005200 M
DATE - 1996/12/23 POSITION LAT. - 03° 55.92 N
TIME - 21:27 LONG. - 174° 43.05 W

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	28.519	35.029	22.248	1542.9	28.519	22.248	4.46	2.94
1.0	28.525	35.049	22.261	1543.0	28.524	22.262	4.46	2.93
2.0	28.555	35.072	22.269	1543.1	28.555	22.269	4.45	3.27
3.0	28.550	35.073	22.271	1543.1	28.549	22.271	4.45	3.45
4.0	28.550	35.075	22.272	1543.1	28.549	22.272	4.45	3.58
5.0	28.552	35.077	22.273	1543.1	28.551	22.274	4.45	3.57
10.0	28.560	35.084	22.276	1543.2	28.558	22.276	4.45	3.67
15.0	28.561	35.084	22.276	1543.3	28.557	22.277	4.45	3.73
20.0	28.562	35.082	22.274	1543.4	28.557	22.275	4.45	3.72
25.0	28.562	35.084	22.275	1543.5	28.556	22.277	4.45	3.80
30.0	28.548	35.093	22.287	1543.5	28.540	22.289	4.45	3.79
40.0	28.515	35.109	22.310	1543.7	28.505	22.313	4.45	3.85
50.0	28.495	35.129	22.332	1543.8	28.483	22.336	4.46	3.87
75.0	27.962	35.119	22.499	1543.0	27.944	22.505	4.49	3.68
100.0	27.061	35.117	22.789	1541.5	27.038	22.796	4.56	3.64
125.0	26.402	35.106	22.989	1540.4	26.374	22.998	4.61	3.65
150.0	25.395	35.001	23.223	1538.3	25.362	23.233	4.69	3.54
200.0	15.157	34.668	25.682	1510.6	15.126	25.689	5.68	3.03
250.0	10.760	34.658	26.553	1496.6	10.729	26.559	6.23	2.41
300.0	10.007	34.647	26.676	1494.7	9.972	26.682	6.33	2.12
400.0	9.127	34.657	26.829	1493.1	9.082	26.836	6.45	1.74
500.0	8.069	34.605	26.953	1490.7	8.017	26.961	6.61	1.67
600.0	7.439	34.590	27.034	1489.9	7.380	27.043	6.71	1.30
700.0	6.302	34.565	27.170	1487.1	6.238	27.179	6.89	1.09
800.0	5.650	34.553	27.243	1486.1	5.580	27.252	7.00	1.37
900.0	5.170	34.556	27.304	1485.8	5.094	27.312	7.08	31.40
1000.0	4.748	34.563	27.358	1485.7	4.666	27.367	7.15	32.33
1005.8	4.728	34.564	27.361	1485.7	4.646	27.370	7.15	32.38

STATION - 10 DEPTH - 005500 M
DATE - 1996/12/24 POSITION LAT. - 00° 48.95 N
TIME - 20:58 LONG. - 171° 24.61 W

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	27.441	34.876	22.485	1540.4	27.441	22.485	4.54	12.16
1.0	27.445	35.176	22.710	1540.7	27.444	22.710	4.53	12.14
2.0	27.359	35.197	22.753	1540.6	27.359	22.753	4.54	12.17
3.0	27.360	35.197	22.753	1540.6	27.359	22.753	4.54	12.17
4.0	27.356	35.200	22.756	1540.6	27.355	22.757	4.54	12.18
5.0	27.353	35.200	22.758	1540.6	27.351	22.758	4.54	12.18
10.0	27.352	35.206	22.762	1540.7	27.349	22.763	4.54	12.19
15.0	27.344	35.207	22.765	1540.8	27.340	22.767	4.54	12.20
20.0	27.310	35.232	22.795	1540.8	27.305	22.797	4.54	12.22
25.0	27.298	35.244	22.808	1540.9	27.292	22.810	4.54	12.23
30.0	27.265	35.272	22.840	1540.9	27.258	22.842	4.54	12.25
40.0	27.176	35.330	22.912	1540.9	27.166	22.915	4.55	12.30
50.0	27.051	35.317	22.942	1540.8	27.040	22.946	4.56	12.36
75.0	26.872	35.301	22.988	1540.8	26.855	22.993	4.57	12.48
100.0	26.796	35.284	22.999	1541.0	26.773	23.007	4.58	12.55
125.0	26.702	35.252	23.004	1541.2	26.674	23.013	4.59	12.63
150.0	26.023	35.141	23.135	1539.9	25.989	23.145	4.64	12.97
200.0	18.660	35.167	25.237	1521.7	18.625	25.245	5.29	16.98
250.0	12.624	34.818	26.328	1503.3	12.590	26.334	5.98	21.52
300.0	11.323	34.792	26.555	1499.6	11.285	26.562	6.15	22.78
400.0	10.046	34.728	26.732	1496.6	9.999	26.740	6.32	24.25
500.0	8.212	34.633	26.954	1491.3	8.159	26.962	6.59	26.43
600.0	7.097	34.592	27.084	1488.6	7.039	27.092	6.76	27.99
700.0	6.280	34.569	27.176	1487.0	6.216	27.185	6.89	29.29
800.0	5.688	34.560	27.244	1486.3	5.618	27.253	6.99	30.37
900.0	5.101	34.554	27.310	1485.5	5.025	27.319	7.09	31.49
1000.0	4.645	34.565	27.371	1485.3	4.564	27.380	7.17	32.47
1007.6	4.626	34.566	27.373	1485.4	4.545	27.382	7.17	32.53

STATION - 11 DEPTH - 005500 M
DATE - 1996/12/25 POSITION LAT. - 01° 59.49 S
TIME - 20:27 LONG. - 167° 58.10 W

DATA TYPE = PROCESS

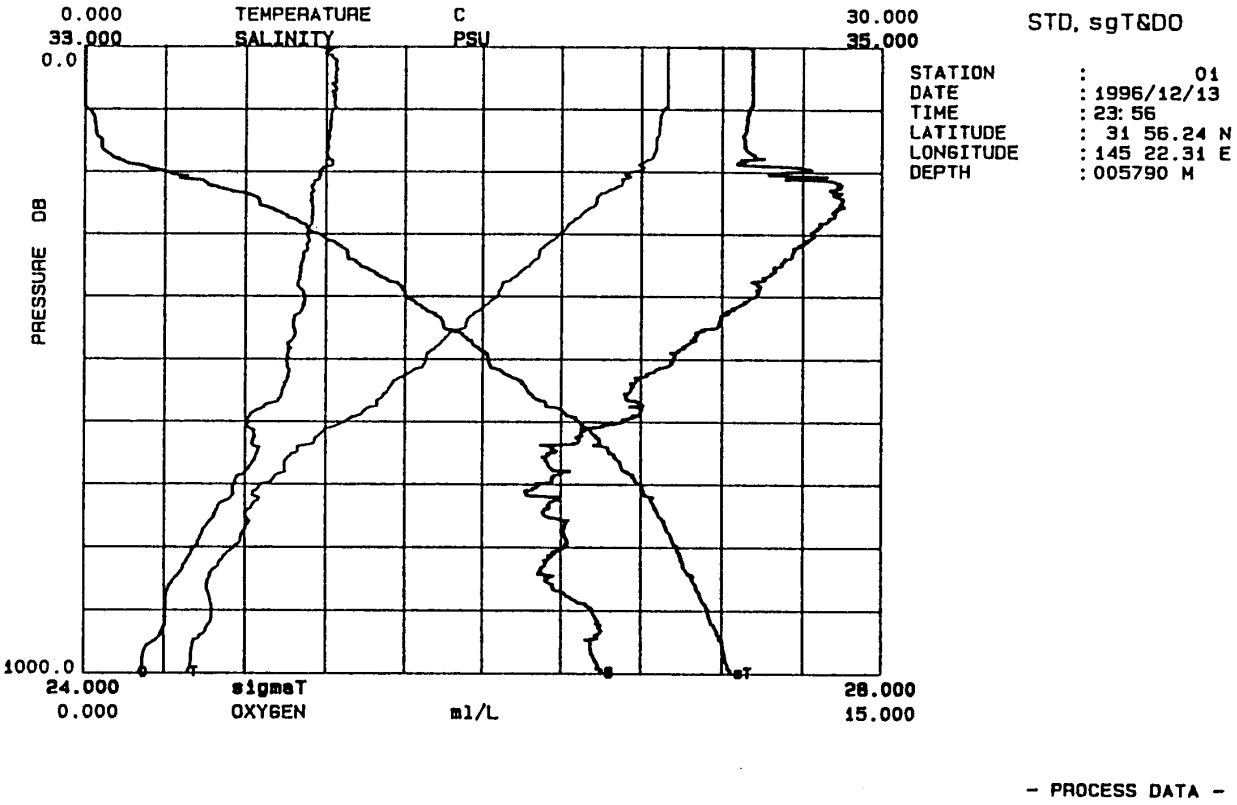
Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	27.667	34.100	21.828	1540.0	27.667	21.828	4.54	12.12
1.0	27.584	31.731	20.074	1536.6	27.584	20.074	4.61	12.31
2.0	27.682	34.425	22.068	1540.5	27.681	22.068	4.53	12.09
3.0	27.687	35.437	22.828	1541.6	27.686	22.828	4.51	12.02
4.0	27.682	35.450	22.839	1541.6	27.681	22.839	4.51	12.03
5.0	27.679	35.451	22.841	1541.6	27.677	22.842	4.51	12.03
10.0	27.676	35.451	22.842	1541.7	27.674	22.843	4.51	12.04
15.0	27.675	35.451	22.842	1541.8	27.671	22.843	4.51	12.04
20.0	27.677	35.452	22.842	1541.8	27.672	22.843	4.51	12.05
25.0	27.678	35.452	22.842	1541.9	27.672	22.844	4.51	12.06
30.0	27.679	35.452	22.841	1542.0	27.672	22.844	4.51	12.06
40.0	27.682	35.452	22.841	1542.2	27.673	22.844	4.51	12.07
50.0	27.685	35.452	22.840	1542.4	27.673	22.844	4.51	12.09
75.0	27.685	35.452	22.840	1542.8	27.667	22.845	4.51	12.12
100.0	27.577	35.463	22.883	1543.0	27.553	22.890	4.51	12.20
125.0	27.326	35.456	22.958	1542.8	27.297	22.968	4.53	12.34
150.0	26.420	35.528	23.302	1541.2	26.386	23.312	4.60	12.77
200.0	18.132	35.469	25.600	1520.5	18.097	25.608	5.33	17.29
250.0	11.368	34.868	26.606	1499.0	11.336	26.612	6.14	22.59
300.0	10.593	34.780	26.678	1497.0	10.557	26.684	6.24	23.45
400.0	9.815	34.729	26.772	1495.8	9.769	26.780	6.35	24.47
500.0	8.564	34.662	26.923	1492.7	8.510	26.931	6.54	26.05
600.0	7.337	34.602	27.059	1489.6	7.278	27.067	6.72	27.71
700.0	6.377	34.569	27.163	1487.4	6.313	27.172	6.88	29.17
800.0	5.549	34.556	27.258	1485.7	5.480	27.266	7.02	30.55
900.0	4.876	34.556	27.337	1484.6	4.802	27.346	7.13	31.79
1000.0	4.446	34.558	27.387	1484.5	4.367	27.396	7.20	32.75
1009.7	4.412	34.561	27.393	1484.5	4.332	27.402	7.21	32.83

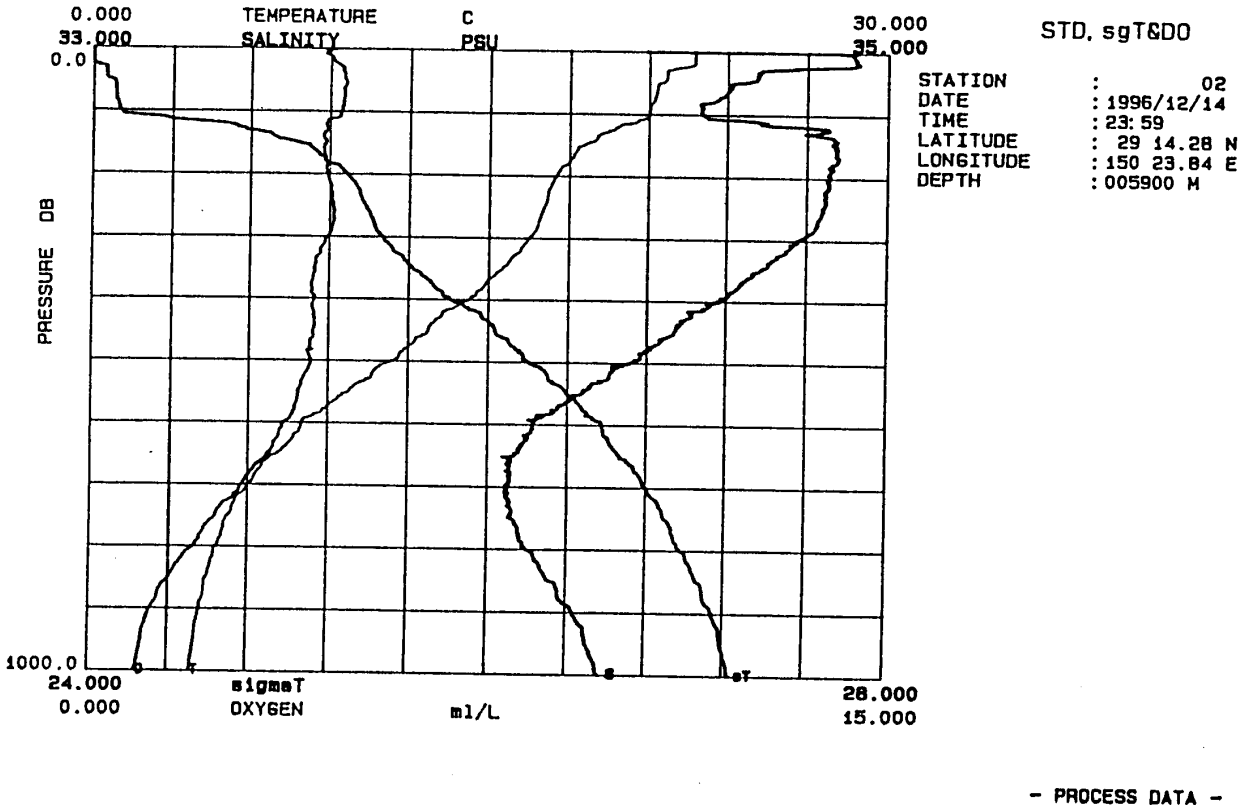
STATION - 12 DEPTH - 003000 M
DATE - 1996/12/26 POSITION LAT. - 05° 04.83 S
TIME - 20:26 LONG. - 164° 39.12 W

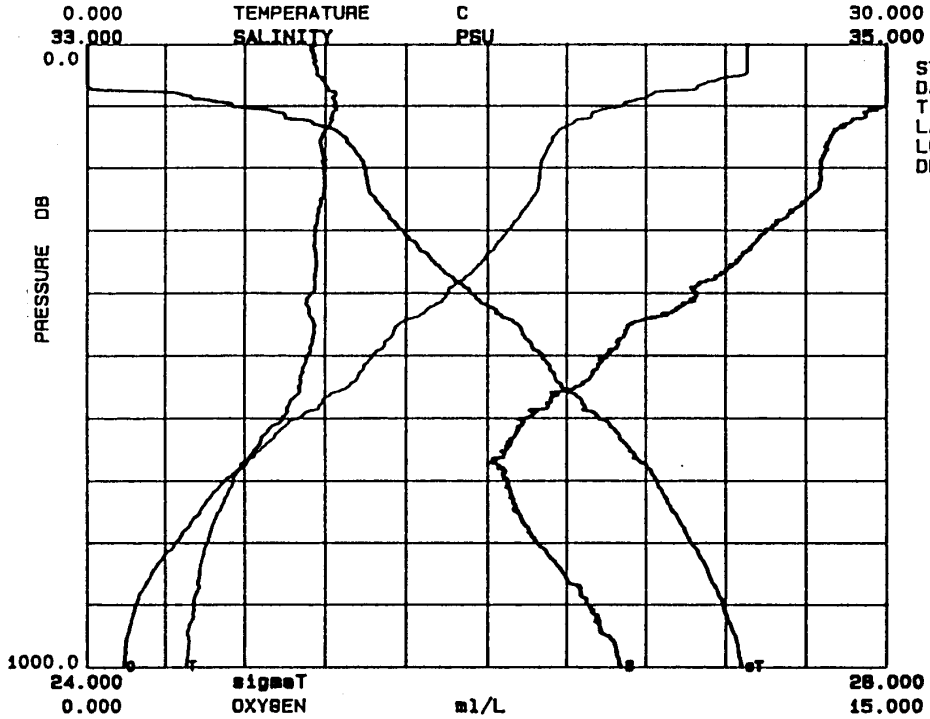
DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	S-Vel. (m/s)	P-TEMP (°C)	sigma0	S-Oxy (ml/L)	Oxy (ml/L)
0.0	28.190	35.145	22.444	1542.3	28.190	22.444	4.48	11.08
1.0	28.210	35.097	22.401	1542.3	28.209	22.402	4.48	11.16
2.0	28.262	35.603	22.765	1543.0	28.262	22.765	4.46	11.78
3.0	28.259	35.603	22.765	1543.0	28.258	22.766	4.46	11.78
4.0	28.257	35.607	22.769	1543.0	28.256	22.770	4.46	11.78
5.0	28.259	35.605	22.767	1543.0	28.258	22.768	4.46	11.78
10.0	28.259	35.606	22.768	1543.1	28.256	22.768	4.46	11.79
15.0	28.249	35.605	22.770	1543.2	28.245	22.771	4.46	11.80
20.0	28.251	35.605	22.770	1543.3	28.246	22.771	4.46	11.80
25.0	28.250	35.606	22.770	1543.3	28.244	22.772	4.46	11.81
30.0	28.250	35.606	22.771	1543.4	28.242	22.773	4.46	11.82
40.0	28.250	35.606	22.771	1543.6	28.240	22.774	4.46	11.83
50.0	28.250	35.606	22.771	1543.7	28.238	22.775	4.46	11.85
75.0	28.255	35.606	22.769	1544.2	28.237	22.775	4.46	11.88
100.0	28.261	35.606	22.767	1544.6	28.237	22.775	4.46	11.91
125.0	27.753	35.582	22.915	1543.9	27.723	22.925	4.50	12.15
150.0	25.637	35.732	23.701	1539.6	25.603	23.711	4.66	13.11
200.0	20.556	35.854	25.266	1527.7	20.518	25.276	5.09	15.78
250.0	12.748	34.978	26.427	1503.9	12.714	26.434	5.96	21.39
300.0	10.719	34.808	26.677	1497.5	10.682	26.684	6.23	23.32
400.0	9.493	34.721	26.820	1494.6	9.447	26.827	6.40	24.79
500.0	8.270	34.646	26.955	1491.5	8.218	26.963	6.58	26.36
600.0	7.388	34.602	27.051	1489.7	7.328	27.060	6.72	27.66
700.0	6.431	34.562	27.151	1487.6	6.367	27.159	6.87	29.11
800.0	5.758	34.544	27.223	1486.5	5.687	27.231	6.98	30.29
900.0	5.250	34.548	27.288	1486.1	5.173	27.297	7.07	31.30
1000.0	4.539	34.553	27.373	1484.9	4.459	27.382	7.19	32.62
1006.8	4.522	34.556	27.377	1484.9	4.441	27.386	7.19	32.67

3.1.3 CTD鉛直プロファイル CTD Profiles



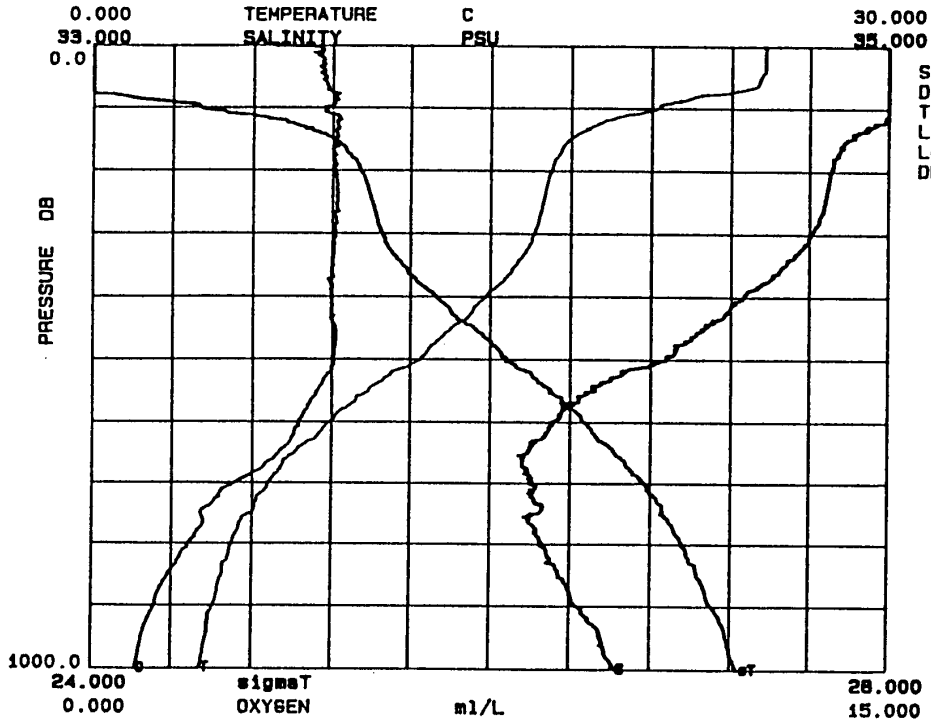




STD, sgT&DO

STATION : 03
DATE : 1996/12/15
TIME : 23: 27
LATITUDE : 26 46.11 N
LONGITUDE : 154 48.68 E
DEPTH : 006080 M

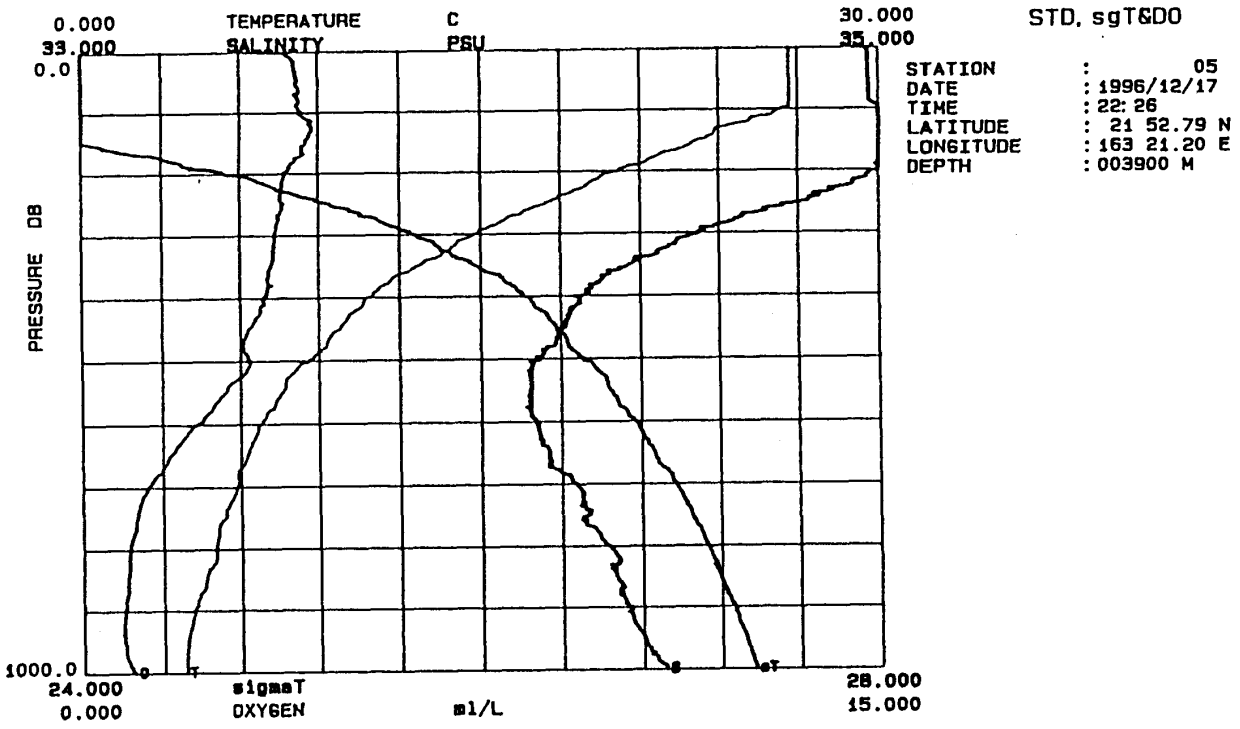
- PROCESS DATA -

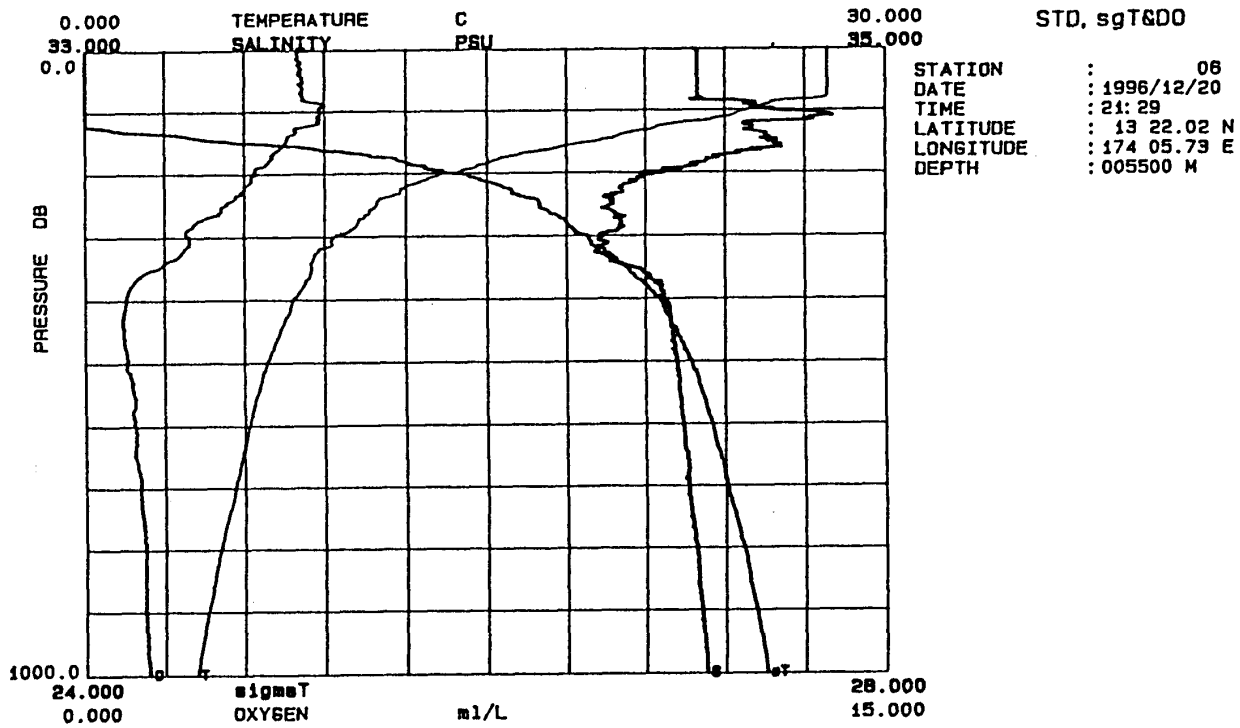


STD, sgT&DO

STATION : 04
DATE : 1996/12/16
TIME : 22: 59
LATITUDE : 24 19.36 N
LONGITUDE : 159 07.92 E
DEPTH : 005540 M

- PROCESS DATA -


0.000
33.000
0.0
TEMPERATURE
SALINITY
C
PSU
30.000
35.000
STD, sgT&DO
STATION : 05
DATE : 1996/12/17
TIME : 22: 26
LATITUDE : 21 52.79 N
LONGITUDE : 163 21.20 E
DEPTH : 003900 M
PRESSURE DB
1000.0
24.000
0.000
sigmaT
OXYGEN
ml/L
28.000
15.000
- PROCESS DATA -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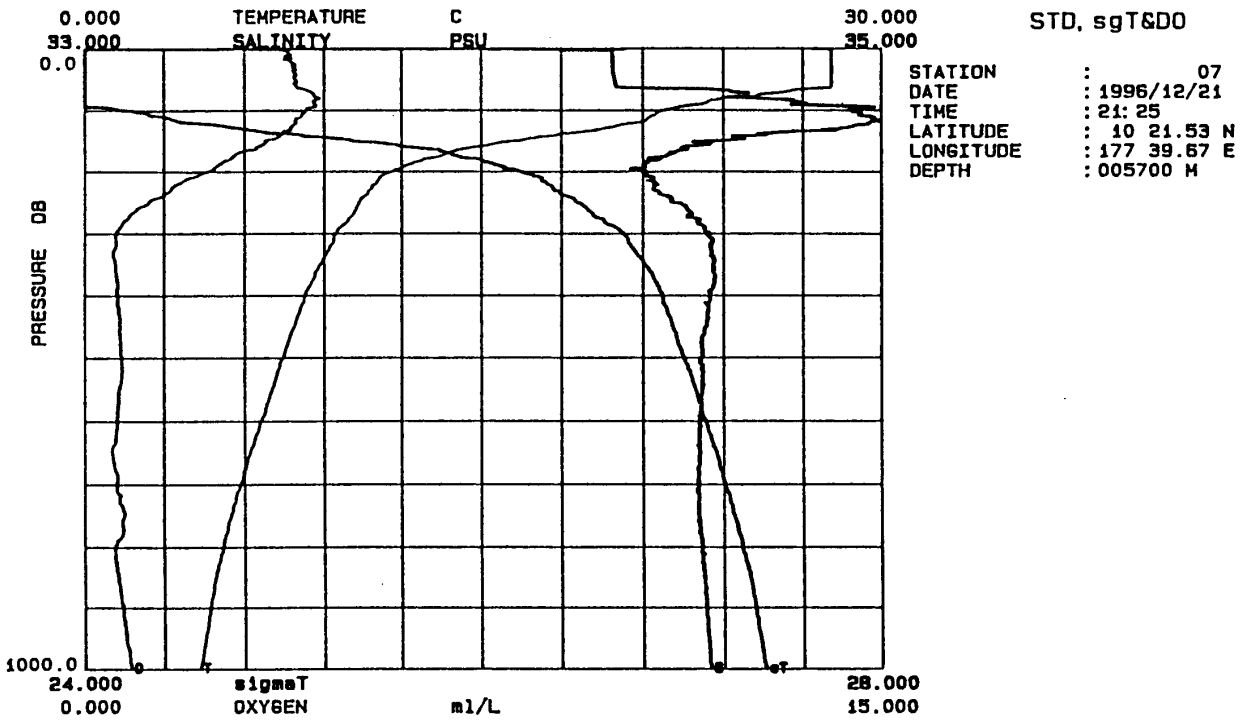
33.000
0.0
TEMPERATURE
SALINITY
C
PSU
30.000
35.000
STD, sgT&DO
STATION : 06
DATE : 1996/12/20
TIME : 21: 29
LATITUDE : 13 22.02 N
LONGITUDE : 174 05.73 E
DEPTH : 005500 M
PRESSURE DB
1000.0
24.000
0.000
sigmaT
OXYGEN
ml/L
28.000
15.000
- PROCESS DATA -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TEMPERATURE
C
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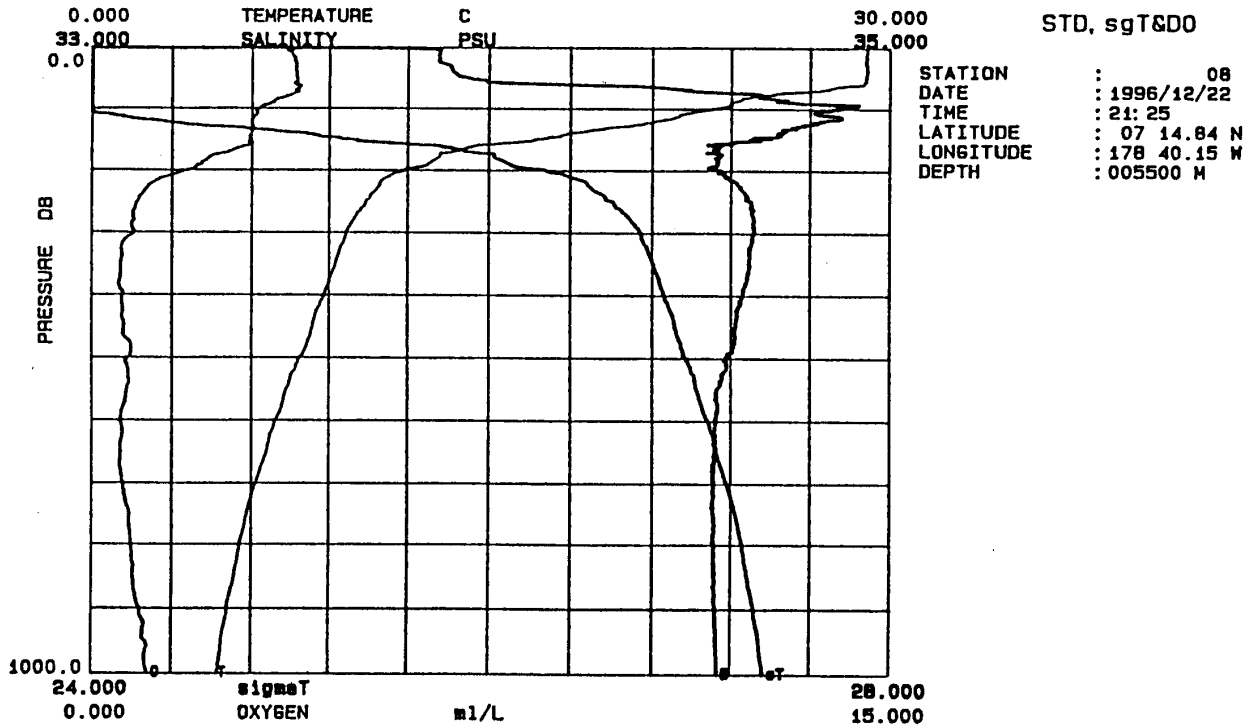
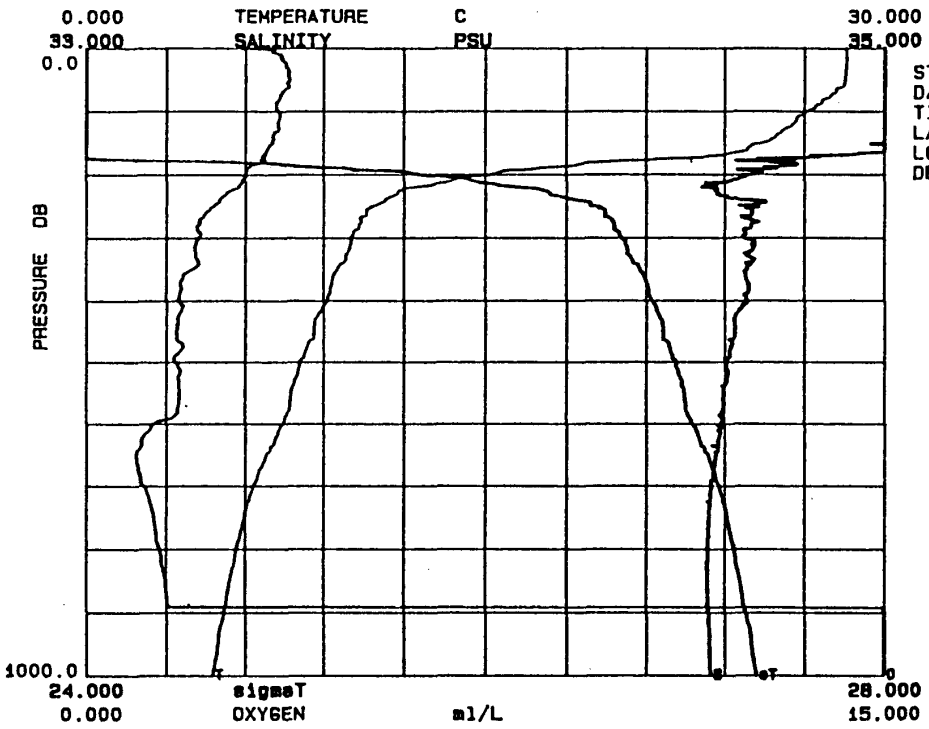
33.000
SALINITY
PSU
35.000
0.0
PRESSURE DB
1000.0
24.000
sigmaT
28.000
0.000
OXYGEN
ml/L
15.000
STD, sgT&DO
STATION : 07
DATE : 1996/12/21
TIME : 21: 25
LATITUDE : 10 21.53 N
LONGITUDE : 177 39.67 E
DEPTH : 005700 M
- PROCESS DATA -

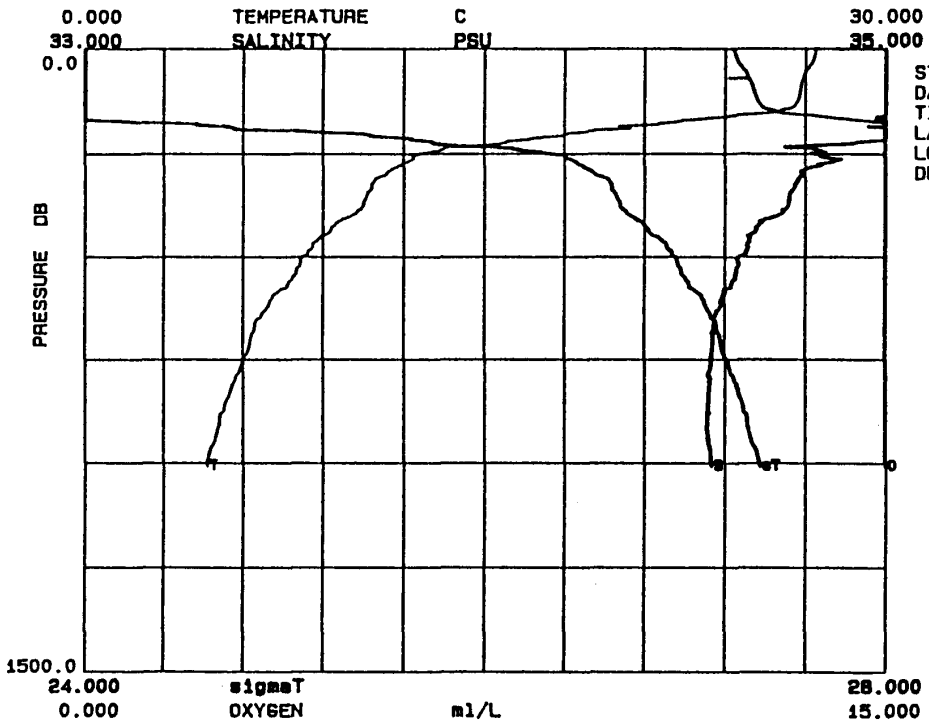

0.000
TEMPERATURE
C
30.000
33.000
SALINITY
PSU
35.000
0.0
PRESSURE DB
1000.0
24.000
sigmaT
28.000
0.000
OXYGEN
ml/L
15.000
STD, sgT&DO
STATION : 08
DATE : 1996/12/22
TIME : 21: 25
LATITUDE : 07 14.84 N
LONGITUDE : 178 40.15 W
DEPTH : 005500 M
- PROCESS DATA -



STD, sgT&DO

STATION : 09
DATE : 1996/12/23
TIME : 21: 27
LATITUDE : 03 55.92 N
LONGITUDE : 174 43.05 W
DEPTH : 005200 M

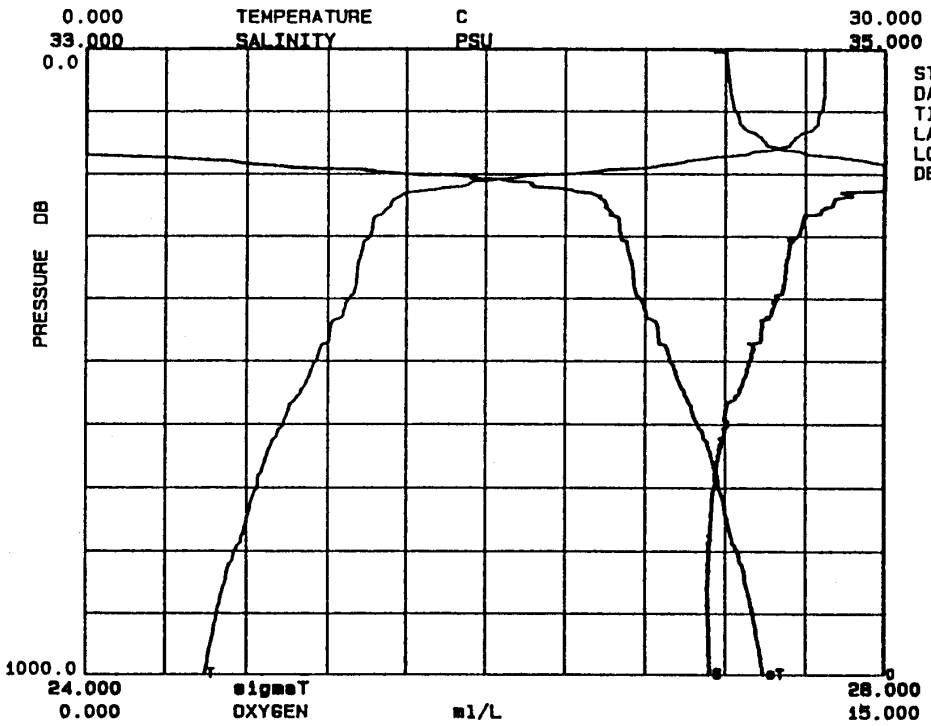
- PROCESS DATA -



STD, sgT&DO

STATION : 10
DATE : 1996/12/24
TIME : 20: 58
LATITUDE : 00 48.95 N
LONGITUDE : 171 24.61 W
DEPTH : 005500 M

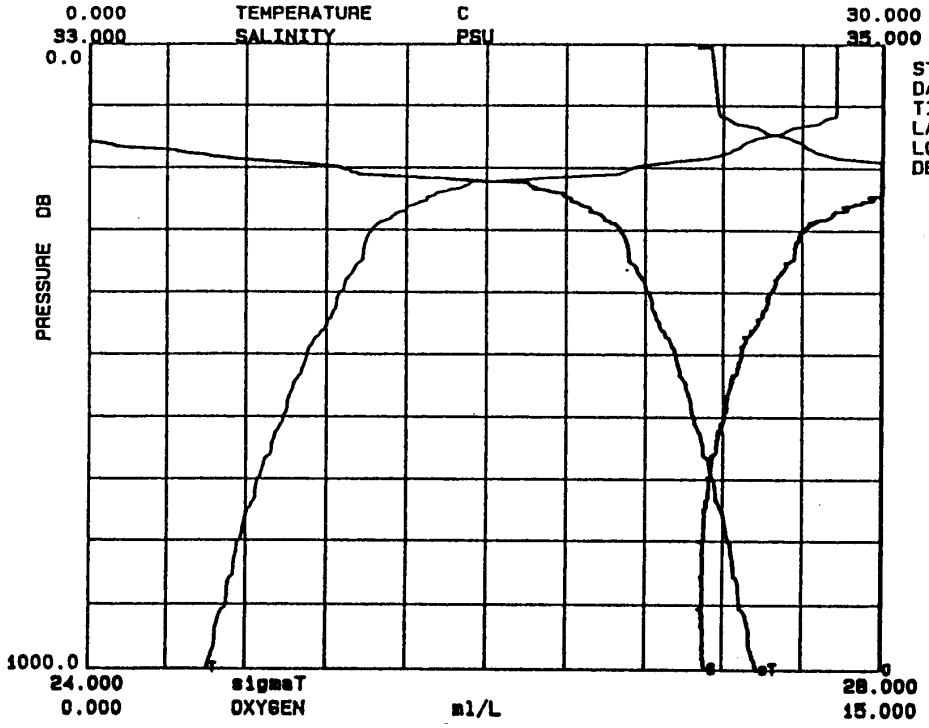
- PROCESS DATA -



STD, sgT&DO

STATION : 11
DATE : 1996/12/25
TIME : 20: 27
LATITUDE : 01 59.49 S
LONGITUDE : 167 58.10 W
DEPTH : 005500 M

- PROCESS DATA -



STD, sgT&DO

STATION : 12
DATE : 1996/12/26
TIME : 20: 26
LATITUDE : 05 04.83 S
LONGITUDE : 164 39.12 W
DEPTH : 003000 M

- PROCESS DATA -