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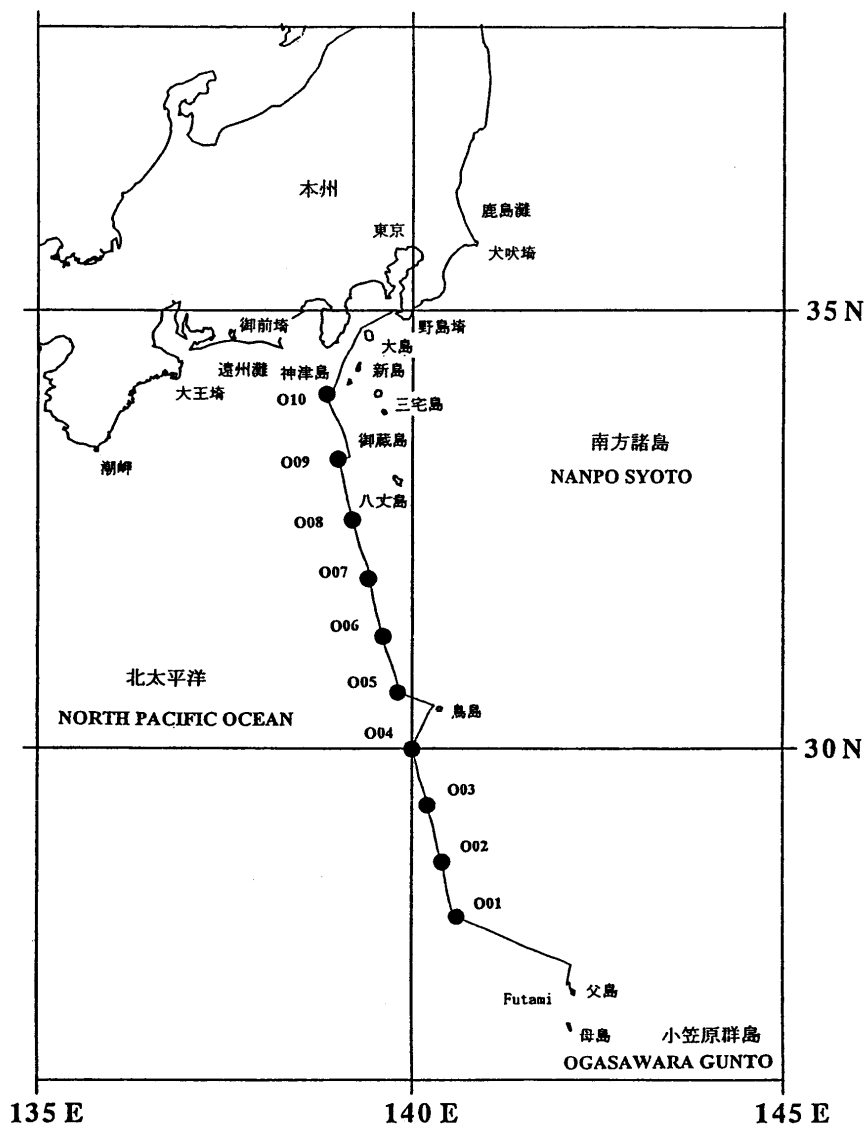
University of Marine Science and Technology

(東京海洋大学)

第二部 神鷹丸航海調査報告 10月調査航海報告 期間
平成9年10月 海域 北西部北太平洋

メタデータ	言語: jpn 出版者: 公開日: 2008-04-10 キーワード (Ja): キーワード (En): 作成者: メールアドレス: 所属:
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2.3.1. 観測海域図 Observation Leg Chart



2.3.2. CTD 観測表 CTD Observation List

St.No.	Time (SMT)	GMT	Lat.	Long	A.Temp	W.Temp	Depth	Wind Dir.	Wind S'd	Remarks
Test 1	10/14 13:00	10/14 04:00	30-15.93N	140-36.41E	25.3°C	26.6°C	2030m	NE	1.4m/s	RMS MER
O01	10/17 01:00	10/16 16:00	27-59.92N	140-36.15E	25.8	26.9	2982	SE	4.5	RMS VD ORI
O02	10/17 06:45	10/16 21:45	28-39.90N	140-24.14E	25.9	26.2	2360	SE	5.8	RMS VD
O03	10/17 11:23	10/17 02:23	29-20.03N	140-12.10E	27.5	26.0	3506	S	7.2	RMS MER VD OR
O04	10/17 16:26	10/17 07:26	29-59.63N	140-00.24E	26.8	26.1	3101	SSW	8.0	RMS VD
O05	10/18 01:57	10/17 16:57	30-40.11N	139-48.29E	25.7	25.9	2059	WSW	8.6	RMS VD ORI
O06	10/18 07:18	10/17 22:18	31-19.91N	139-36.01E	23.3	25.5	853	N	9.8	RMS VD
O07	10/18 12:20	10/18 03:20	31-59.74N	139-24.64E	23.9	25.6	1532	NNW	4.6	RMS MER VD OR
O08	10/18 17:35	10/18 08:35	32-39.47N	139-11.75E	23.4	25.5	530	SW	7.4	RMS VD
O09	10/18 22:00	10/18 13:00	33-20.68N	139-00.37E	23.5	25.4	1737	W	7.3	RMS VD ORI
O10	10/19 04:43	10/18 19:43	34-04.63N	138-51.07E	21.5	21.3	427	WNW	8.5	RMS MER VD

2.3.3. CTD 観測データ CTD Observation Data

STATION - 1 SY9710 17 DEPTH -2980 M
 DATE - 1997/10/17 POSITION LAT. -27 54.93 N
 TIME - 01:03 LONG. -140 36.07 E

STATION - 3 SY9710 17 DEPTH - 000112 M
 DATE - 1997/10/17 POSITION LAT. - 29' 20.03 N
 TIME - 11:22 LONG. - 140' 12.11 E

DATA TYPE = PROCESS

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	26.689	34.355	22.333	3.88	75.37	0.10
1.0	26.695	34.352	22.329	3.88	81.50	0.08
2.0	26.704	34.371	22.340	3.73	86.20	0.06
3.0	26.703	34.394	22.358	3.67	86.25	0.06
4.0	26.709	34.420	22.376	3.67	86.28	0.06
5.0	26.711	34.437	22.387	3.72	86.31	0.06
10.0	26.706	34.533	22.461	3.67	86.31	0.06
15.0	26.709	34.579	22.495	3.78	86.31	0.06
20.0	26.709	34.600	22.511	3.74	86.28	0.06
25.0	26.683	34.636	22.547	3.79	86.28	0.06
30.0	26.708	34.687	22.577	3.79	86.25	0.06
40.0	26.667	34.702	22.601	3.82	86.23	0.06
50.0	26.616	34.766	22.666	3.77	86.14	0.06
75.0	25.515	34.716	22.971	4.06	85.90	0.08
100.0	21.721	34.790	24.137	4.33	85.73	0.17
125.0	19.845	34.809	24.658	4.23	86.17	0.09
150.0	19.617	34.816	24.723	4.16	86.34	0.08
200.0	18.788	34.816	24.936	4.17	86.87	0.06
250.0	17.983	34.803	25.127	4.13	87.31	0.05
300.0	17.024	34.762	25.327	4.00	87.43	0.05
400.0	14.410	34.550	25.754	3.84	85.32	0.05
500.0	11.285	34.329	26.201	3.53	75.90	0.05
600.0	9.151	34.211	26.476	3.19	64.19	0.05
700.0	7.173	34.104	26.689	2.94	57.56	0.05
800.0	5.464	34.156	26.952	2.30	53.51	0.05
900.0	4.558	34.197	27.088	1.56	51.40	0.05
1000.0	4.031	34.258	27.193	1.26	50.43	0.06
1000.8	4.030	34.258	27.193	1.26	50.40	0.05

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.897	34.734	22.866	4.30	78.89	0.07
1.0	25.897	34.733	22.866	4.30	78.89	0.07
2.0	25.897	34.733	22.866	4.30	78.89	0.07
3.0	25.897	34.733	22.866	4.30	78.89	0.07
4.0	25.897	34.733	22.866	4.30	78.89	0.07
5.0	25.902	34.735	22.866	4.22	88.04	0.06
10.0	25.852	34.734	22.880	4.17	88.63	0.06
15.0	25.823	34.733	22.889	4.19	88.63	0.06
20.0	25.815	34.734	22.892	4.14	88.69	0.06
25.0	25.813	34.735	22.893	4.09	88.72	0.06
30.0	25.808	34.735	22.895	4.09	88.72	0.06
40.0	25.437	34.737	23.011	4.05	88.75	0.08
50.0	24.956	34.718	23.144	4.12	88.69	0.10
75.0	22.803	34.683	23.751	4.23	88.22	0.21
100.0	21.125	34.745	24.267	4.09	88.40	0.17
125.0	19.675	34.792	24.690	4.04	87.63	0.08
150.0	19.105	34.802	24.845	4.16	84.99	0.06
200.0	18.203	34.805	25.074	4.31	79.74	0.06
250.0	17.691	34.788	25.186	4.38	74.64	0.05
300.0	17.481	34.784	25.234	4.38	72.11	0.05
400.0	15.890	34.669	25.519	4.07	69.80	0.05
500.0	13.995	34.522	25.819	4.04	65.69	0.05
700.0	8.863	34.195	26.510	3.17	55.30	0.05
800.0	6.822	34.120	26.750	2.64	51.90	0.05
900.0	5.229	34.144	26.970	1.94	48.97	0.06
1000.0	4.541	34.197	27.090	1.53	46.77	0.06
1001.7	4.532	34.199	27.092	1.50	46.59	0.06

STATION - 2 SY9710 17 DEPTH - 000112 M
 DATE - 1997/10/17 POSITION LAT. - 28' 39.90 N
 TIME - 06:43 LONG. - 140' 24.14 E

STATION - 4 SY9710 17 DEPTH - 003100 M
 DATE - 1997/10/17 POSITION LAT. - 30' 00.44 N
 TIME - 17:05 LONG. - 140' 00.28 E

DATA TYPE = PROCESS

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.920	34.780	22.894	4.00	60.08	0.12
1.0	25.906	34.787	22.904	4.07	25.61	0.24
2.0	25.925	34.779	22.892	3.88	85.64	0.07
3.0	25.932	34.777	22.888	3.81	86.69	0.06
4.0	25.937	34.776	22.886	3.81	86.67	0.06
5.0	25.922	34.777	22.892	3.81	86.69	0.06
10.0	25.921	34.777	22.892	3.78	86.72	0.06
15.0	25.924	34.777	22.891	3.82	86.72	0.06
20.0	25.915	34.778	22.894	3.83	86.69	0.06
25.0	25.903	34.778	22.898	3.91	86.67	0.06
30.0	25.892	34.778	22.901	3.91	86.67	0.06
40.0	25.885	34.777	22.903	3.92	86.67	0.06
50.0	25.854	34.778	22.913	3.94	86.64	0.06
75.0	24.622	34.781	23.292	4.12	86.43	0.08
100.0	21.878	34.737	24.054	4.32	85.96	0.21
125.0	20.296	34.771	24.510	4.16	86.61	0.12
150.0	19.407	34.822	24.782	4.06	86.75	0.08
200.0	18.310	34.810	25.051	4.18	87.08	0.06
250.0	17.678	34.790	25.191	4.23	87.40	0.05
300.0	17.272	34.776	25.279	4.17	87.19	0.05
400.0	15.497	34.641	25.586	4.00	83.73	0.05
500.0	13.371	34.466	25.905	3.82	79.27	0.05
600.0	9.713	34.223	26.394	3.51	70.50	0.05
700.0	7.611	34.131	26.649	2.99	59.76	0.05
800.0	6.262	34.106	26.813	2.46	53.45	0.05
900.0	4.803	34.159	27.031	1.79	49.61	0.06
1000.0	4.204	34.223	27.147	1.36	47.03	0.06
1001.8	4.204	34.223	27.147	1.34	46.79	0.06

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	26.015	34.638	22.758	4.04	65.48	0.14
1.0	26.023	34.738	22.831	3.97	79.62	0.10
2.0	26.029	34.764	22.848	3.88	86.02	0.07
3.0	26.032	34.763	22.846	3.87	85.99	0.07
4.0	26.032	34.765	22.848	3.91	86.02	0.07
5.0	26.023	34.763	22.849	3.91	86.02	0.07
10.0	26.021	34.763	22.850	3.93	86.05	0.08
15.0	26.027	34.763	22.848	3.93	86.02	0.06
20.0	26.027	34.763	22.848	3.93	86.02	0.06
25.0	26.030	34.766	22.849	3.96	86.02	0.07
30.0	26.032	34.768	22.850	3.95	85.99	0.06
40.0	26.039	34.794	22.868	3.97	86.02	0.06
50.0	26.029	34.806	22.880	3.96	85.99	0.06
75.0	24.826	34.768	23.221	4.09	85.73	0.11
100.0	22.643	34.764	23.859	4.26	85.58	0.20
125.0	20.436	34.814	24.506	4.13	86.14	0.12
150.0	19.676	34.820	24.710	4.10	86.46	0.09
200.0	18.348	34.812	25.043	4.17	87.02	0.05
250.0	17.997	34.800	25.121	4.17	87.16	0.05
300.0	17.520	34.788	25.228	4.15	86.96	0.05
400.0	15.711	34.654	25.548	3.88	85.81	0.05
500.0	13.042	34.447	25.957	3.77	83.14	0.05
600.0	11.189	34.312	26.206	3.55	73.82	0.05
700.0	8.944	34.193	26.495	3.15	64.78	0.05
800.0	6.811	34.128	26.758	2.52	58.15	0.05
900.0	5.485	34.146	26.941	1.91	53.31	0.06
1000.0	4.838	34.185	27.048	1.58	51.40	0.06
1000.9	4.835	34.185	27.048	1.57	51.34	0.06

STATION - 5 SY9710 18 DEPTH - 000112 M
 DATE - 1997/10/18 POSITION LAT. - 30° 40.13 N
 TIME - 01:57 LONG. - 139° 48.25 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.700	34.231	22.548	3.73	48.88	0.10
1.0	25.677	34.026	22.401	3.15	1.06	0.08
2.0	25.704	34.358	22.642	3.83	76.54	0.11
3.0	25.704	34.370	22.652	3.97	86.43	0.10
4.0	25.710	34.368	22.648	3.98	86.49	0.11
5.0	25.698	34.370	22.653	3.94	86.49	0.11
10.0	25.700	34.370	22.653	3.92	86.46	0.11
15.0	25.698	34.370	22.653	3.90	86.43	0.11
20.0	25.700	34.370	22.653	3.93	86.37	0.11
25.0	25.705	34.370	22.652	3.86	86.37	0.10
30.0	25.708	34.371	22.652	3.96	86.34	0.11
40.0	25.707	34.371	22.651	3.95	86.28	0.11
50.0	25.710	34.373	22.652	3.98	86.28	0.11
75.0	25.379	34.465	22.823	3.84	86.25	0.17
100.0	23.914	34.592	23.359	3.84	86.55	0.13
125.0	22.505	34.719	23.863	3.89	86.84	0.08
150.0	21.369	34.772	24.221	3.90	87.05	0.06
200.0	19.945	34.812	24.634	3.89	87.40	0.06
250.0	18.532	34.811	24.997	4.06	87.52	0.05
300.0	18.085	34.811	25.107	4.18	87.40	0.05
400.0	16.426	34.715	25.431	3.88	86.34	0.05
500.0	14.382	34.550	25.759	3.70	84.70	0.05
600.0	11.147	34.331	26.228	3.38	74.75	0.05
700.0	8.095	34.192	26.626	2.79	65.95	0.05
800.0	6.343	34.164	26.848	2.23	59.32	0.05
900.0	4.903	34.217	27.066	1.60	56.36	0.06
1000.0	4.067	34.282	27.208	1.24	56.39	0.06

STATION - 7 SY9710 18 DEPTH - 000112 M
 DATE - 1997/10/18 POSITION LAT. - 31° 59.75 N
 TIME - 12:19 LONG. - 139° 24.63 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.450	34.406	22.757	3.73	67.83	0.10
1.0	25.449	34.402	22.754	3.62	80.15	0.10
2.0	25.438	34.412	22.765	4.03	87.37	0.09
3.0	25.438	34.413	22.766	4.10	87.96	0.09
4.0	25.436	34.413	22.767	4.17	87.99	0.08
5.0	25.435	34.413	22.767	4.23	87.99	0.09
10.0	25.424	34.411	22.769	4.50	88.04	0.09
15.0	25.423	34.412	22.770	4.70	88.10	0.09
20.0	25.417	34.411	22.771	4.73	88.07	0.10
25.0	25.412	34.411	22.773	4.63	88.10	0.11
30.0	25.414	34.411	22.772	4.45	88.10	0.11
40.0	25.405	34.408	22.773	4.11	88.19	0.13
50.0	25.406	34.410	22.773	3.95	88.28	0.15
75.0	25.404	34.414	22.777	3.98	88.48	0.14
100.0	23.492	34.640	23.520	3.93	88.66	0.13
125.0	22.071	34.761	24.018	4.18	88.66	0.12
150.0	20.702	34.794	24.419	4.16	88.84	0.09
200.0	19.324	34.843	24.820	3.98	88.90	0.06
250.0	18.813	34.837	24.945	3.97	87.08	0.05
300.0	17.657	34.804	25.207	3.97	83.32	0.05
400.0	15.931	34.671	25.511	3.84	78.33	0.05
500.0	14.029	34.516	25.808	3.73	72.96	0.05
600.0	11.286	34.352	26.220	3.36	64.72	0.05
700.0	7.701	34.168	26.665	2.68	56.09	0.05
800.0	5.829	34.178	26.925	2.00	49.64	0.05
900.0	4.840	34.246	27.096	1.60	46.47	0.06
1000.0	4.153	34.307	27.219	1.34	44.65	0.06
1002.5	4.139	34.309	27.222	1.33	44.54	0.06

STATION - 6 SY9710 18 DEPTH - 000853 M
 DATE - 1997/10/18 POSITION LAT. - 31° 19.90 N
 TIME - 07:23 LONG. - 139° 36.01 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.387	34.525	22.867	4.01	64.46	0.13
1.0	25.397	34.546	22.879	3.91	79.42	0.11
2.0	25.450	34.554	22.868	3.90	85.79	0.10
3.0	25.397	34.548	22.881	3.90	85.81	0.10
4.0	25.395	34.550	22.882	3.89	85.81	0.10
5.0	25.395	34.549	22.882	3.80	85.79	0.10
10.0	25.396	34.549	22.882	3.92	85.73	0.10
15.0	25.399	34.550	22.881	3.99	85.70	0.10
20.0	25.399	34.549	22.881	4.03	85.67	0.10
25.0	25.401	34.550	22.881	4.03	85.64	0.09
30.0	25.402	34.549	22.880	4.04	85.64	0.10
40.0	25.405	34.551	22.880	4.02	85.58	0.11
50.0	25.412	34.552	22.879	4.01	85.49	0.10
75.0	25.362	34.581	22.916	4.00	85.35	0.10
100.0	23.279	34.723	23.644	4.22	85.32	0.13
125.0	21.600	34.787	24.169	4.09	85.43	0.09
150.0	20.262	34.833	24.567	4.06	85.52	0.07
200.0	19.269	34.841	24.832	3.96	85.76	0.06
250.0	18.438	34.824	25.030	3.95	86.20	0.05
300.0	17.806	34.802	25.169	3.91	86.58	0.05
400.0	16.459	34.713	25.422	3.89	86.75	0.05
500.0	13.888	34.506	25.829	3.73	86.02	0.05
600.0	10.273	34.282	26.345	3.22	78.54	0.05
700.0	8.133	34.207	26.631	2.83	68.24	0.05
800.0	6.095	34.244	26.943	2.03	60.17	0.06
801.0	6.078	34.246	26.947	2.02	59.97	0.05

STATION - 8 SY9710 18 DEPTH - 000530 M
 DATE - 1997/10/18 POSITION LAT. - 32° 39.48 N
 TIME - 17:36 LONG. - 139° 11.73 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.322	34.348	22.752	3.23	64.05	0.14
1.0	25.321	34.353	22.757	2.87	58.47	0.14
2.0	25.351	34.323	22.725	3.74	83.10	0.14
3.0	25.349	34.321	22.724	3.69	84.52	0.14
4.0	25.340	34.320	22.726	3.69	84.55	0.14
5.0	25.344	34.321	22.726	3.67	84.55	0.15
10.0	25.336	34.318	22.725	3.75	84.47	0.15
15.0	25.344	34.320	22.725	3.78	84.49	0.14
20.0	25.341	34.319	22.725	3.86	84.49	0.15
25.0	25.315	34.314	22.729	3.88	84.55	0.15
30.0	25.287	34.313	22.737	3.90	84.61	0.16
40.0	25.289	34.342	22.758	3.91	84.70	0.17
50.0	25.291	34.354	22.766	3.99	84.76	0.15
75.0	25.300	34.396	22.796	4.00	84.73	0.14
100.0	24.924	34.518	23.002	4.01	84.88	0.13
125.0	22.823	34.688	23.750	3.88	85.08	0.08
150.0	21.839	34.752	24.076	3.92	85.02	0.07
200.0	19.335	34.783	24.770	3.88	84.96	0.06
250.0	17.944	34.782	25.120	3.87	85.20	0.05
300.0	17.285	34.783	25.281	4.00	85.61	0.05
400.0	15.650	34.600	25.520	3.57	85.84	0.05
500.0	13.393	34.472	25.905	3.62	84.35	0.05
501.7	13.387	34.473	25.907	3.60	84.05	0.05

STATION - 9 SY9710 18 DEPTH - 1737 M
 DATE - 1997/10/18 POSITION LAT. - 33° 20.59 N
 TIME - 22:03 LONG. - 139° 00.47 E

DATA TYPE = PROCESS

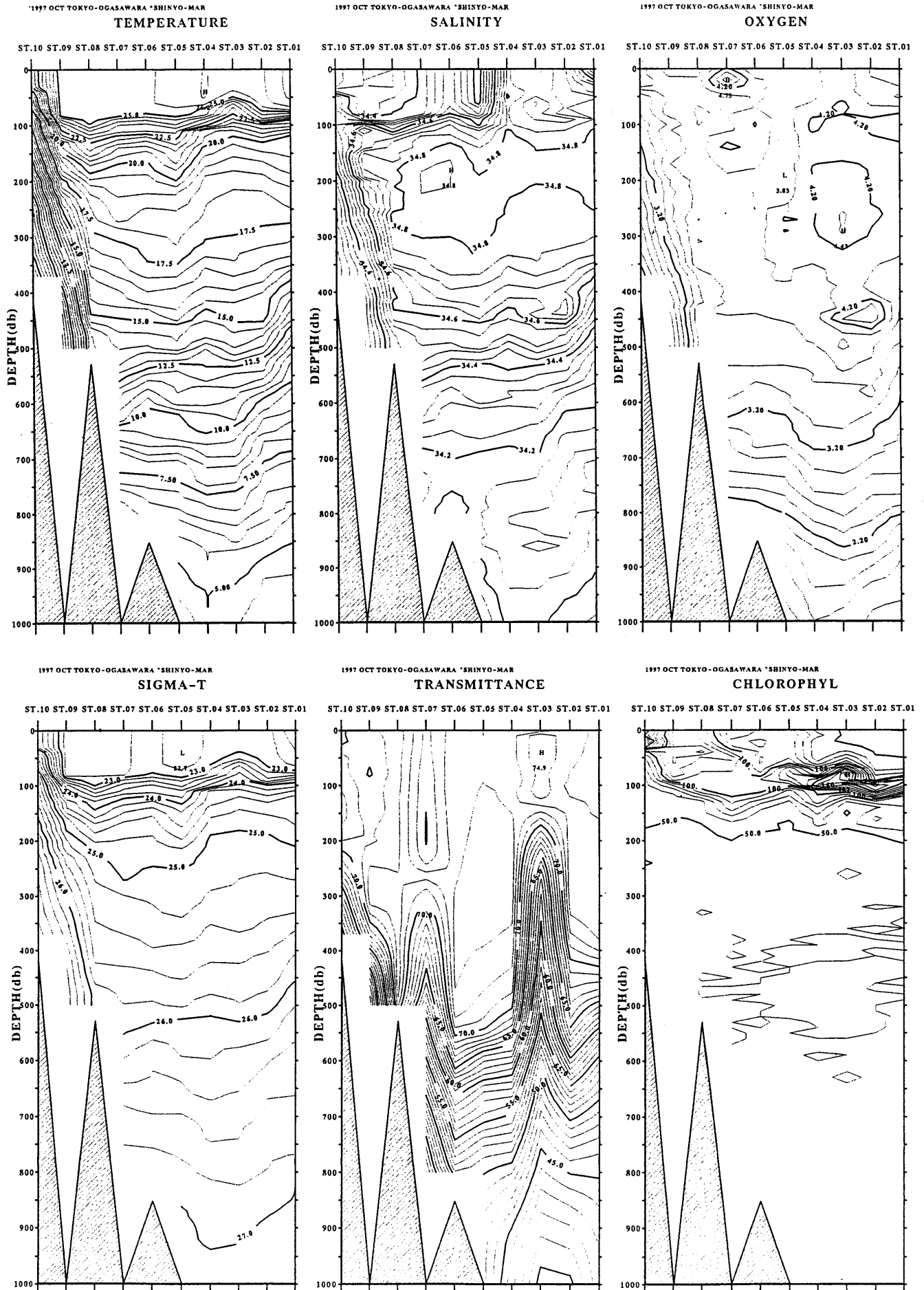
Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	25.384	34.292	22.691	3.46	83.35	0.13
1.0	25.376	34.310	22.707	3.42	83.64	0.13
2.0	25.420	34.322	22.703	3.71	83.88	0.15
3.0	25.433	34.323	22.700	3.79	83.97	0.16
4.0	25.430	34.321	22.699	3.70	83.97	0.16
5.0	25.428	34.321	22.700	3.73	83.91	0.16
10.0	25.430	34.322	22.700	3.76	83.79	0.16
15.0	25.430	34.321	22.699	3.83	83.67	0.17
20.0	25.433	34.320	22.697	3.86	83.61	0.16
25.0	25.431	34.321	22.699	3.87	83.53	0.16
30.0	25.434	34.321	22.698	3.88	83.47	0.16
40.0	25.432	34.321	22.698	3.87	83.29	0.16
50.0	25.433	34.321	22.698	3.87	83.17	0.16
75.0	25.440	34.319	22.695	3.91	82.79	0.16
100.0	22.917	34.639	23.686	3.63	83.23	0.10
125.0	21.135	34.617	24.167	3.69	83.06	0.07
150.0	19.814	34.760	24.629	3.64	83.06	0.07
200.0	17.083	34.652	25.228	3.59	83.79	0.06
250.0	14.901	34.569	25.662	3.55	85.40	0.05
300.0	13.173	34.469	25.947	3.38	85.87	0.05
400.0	9.451	34.292	26.491	2.79	76.48	0.06
500.0	7.800	34.245	26.711	2.39	65.60	0.06
600.0	6.059	34.230	26.937	1.93	63.90	0.06
700.0	5.014	34.260	27.087	1.55	65.66	0.06
800.0	4.412	34.308	27.193	1.36	69.91	0.05
815.6	4.307	34.315	27.209	1.34	70.68	0.06

STATION - 10 SY9710 19 DEPTH - 000423 M
 DATE - 1997/10/19 POSITION LAT. - 34° 04.62 N
 TIME - 04:47 LONG. - 138° 51.07 E

DATA TYPE = PROCESS

Press. (db)	Temp. (°C)	Sal. (PSU)	sigmaT	Oxy (ml/L)	TRANS (%)	CHLOR. (ug/L)
0.0	21.558	34.222	23.751	3.57	42.07	0.23
1.0	21.553	34.211	23.744	3.48	35.44	0.22
2.0	21.591	34.266	23.775	4.02	82.99	0.28
3.0	21.602	34.265	23.771	3.98	82.79	0.25
4.0	21.579	34.264	23.777	4.10	82.53	0.26
5.0	21.574	34.265	23.779	4.11	82.76	0.27
10.0	21.575	34.266	23.780	4.06	82.76	0.24
15.0	21.576	34.265	23.779	4.13	82.79	0.25
20.0	21.579	34.265	23.778	4.12	82.70	0.29
25.0	21.567	34.264	23.780	4.14	82.70	0.27
30.0	21.467	34.278	23.818	4.08	83.03	0.25
40.0	19.604	34.363	24.381	3.72	84.05	0.12
50.0	18.715	34.470	24.689	3.45	84.41	0.10
75.0	17.124	34.498	25.101	3.40	84.55	0.08
100.0	15.080	34.521	25.586	3.29	85.02	0.07
125.0	14.171	34.496	25.762	3.23	85.64	0.07
150.0	12.905	34.451	25.987	3.15	85.79	0.07
200.0	10.475	34.349	26.362	2.87	84.08	0.06
250.0	8.743	34.272	26.589	2.62	80.62	0.06
300.0	8.051	34.246	26.674	2.48	75.37	0.06
376.1	6.273	34.224	26.905	2.02	68.97	0.06

2.3.4. CTD 鉛直断面図 CTD Vertical Section



2.3.5. ADCP 及び風向風速図 ADCP and Wind Chart

