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(東京海洋大学)

第三部 青鷹丸航海調査報告 平成12年度 期間 平成12年4月～平成13年3月 海域 東京湾及び相模湾

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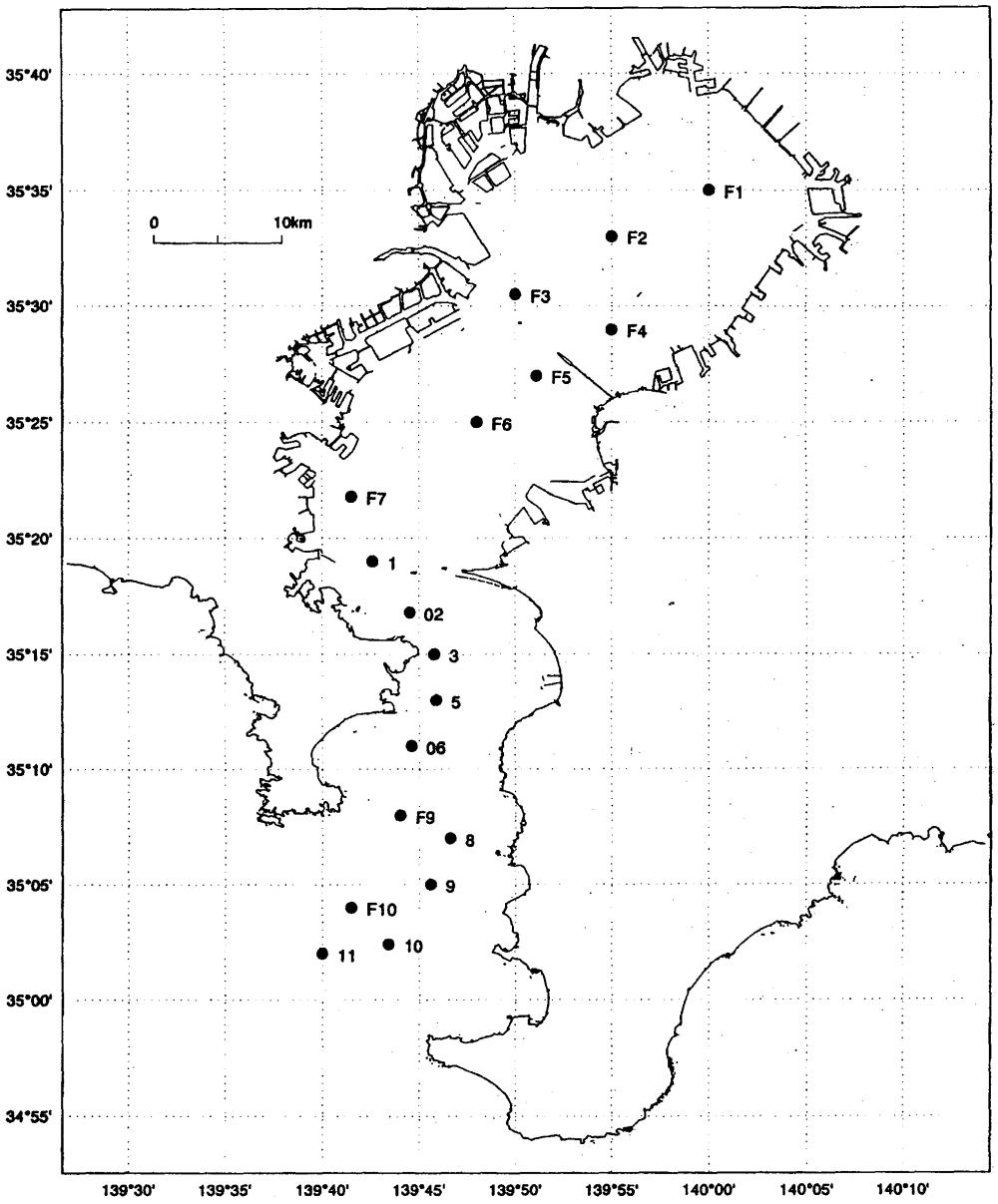
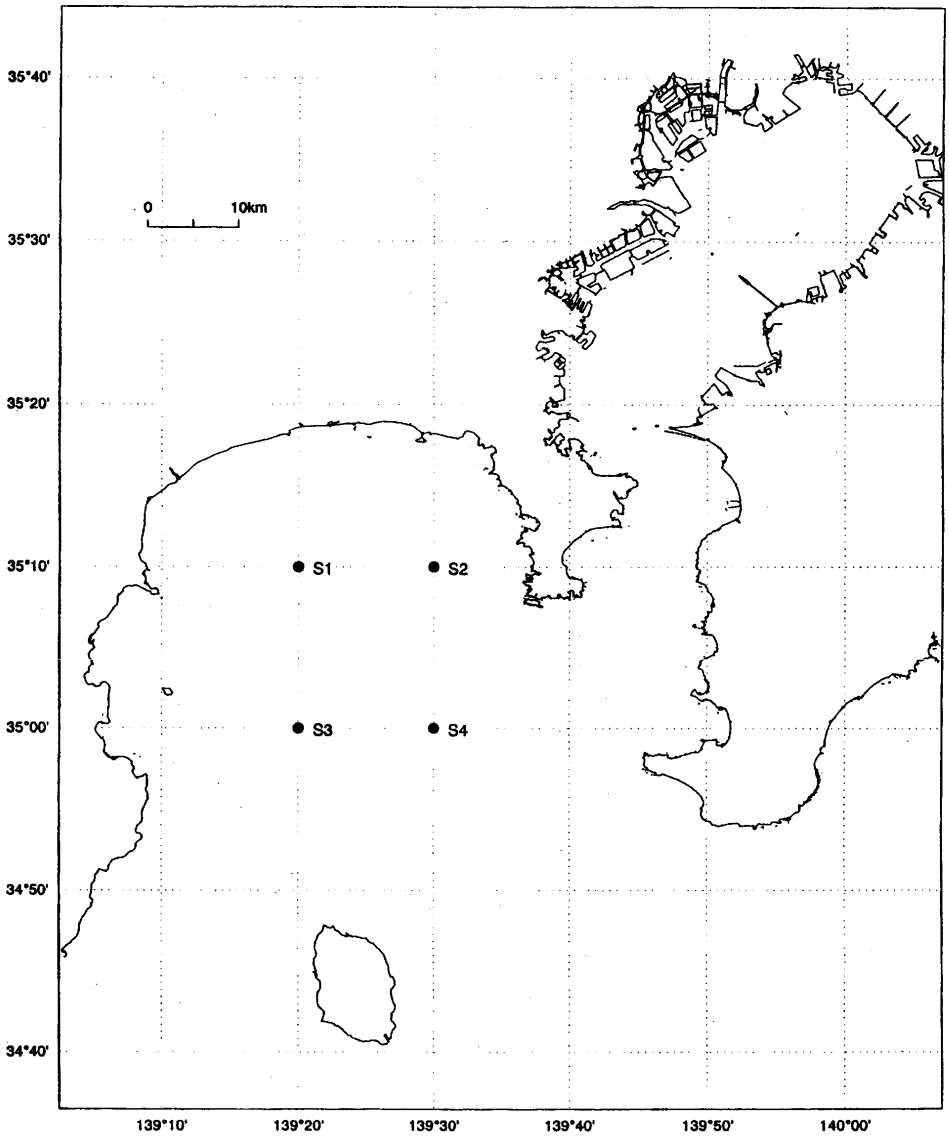
2. 調査資料 (Oceanographic Observation Data)

2.1 観測海域図 (Observation Leg Chart)



東京湾観測点


35°40'
35°30'
35°20'
35°10'
35°00'
34°50'
34°40'
0
10km
S1
S2
S3
S4
139°10'
139°20'
139°30'
139°40'
139°50'
140°00'

相模湾観測点

2.2 CTD観測表 (CTD Observations Table)

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S'd m/s
F3	4/24 08:30	4/23 23:30	35-30.58	139-50.01	14.5	14.4	25	031	2.2
F2	4/24 10:00	4/24 01:00	35-32.96	139-55.02	15.2	15.3	18	calm	
F1	4/24 10:52	4/24 01:52	35-34.94	140-00.37	16.5	15.8	13	calm	
F4	4/24 11:49	4/24 03:21	35-28.92	139-54.98	16.0	15.2	20	251	2.8
F5	4/24 12:21	4/24 03:21	35-26.57	139-51.81	16.3	14.9	25	233	3.3
F6	4/24 13:06	4/24 04:06	35-25.05	139-47.98	16.7	14.7	28	195	5.7
F7	4/24 14:20	4/24 05:20	35-21.75	139-41.50	16.9	14.8	43	170	5.7
01	4/24 14:54	4/24 05:54	35-18.93	139-42.51	16.9	14.5	47	180	7.0
02	4/24 15:25	4/24 06:25	35-16.76	139-44.20	17.2	14.7	42	185	6.4
03	4/24 16:11	4/24 07:11	35-14.96	139-45.81	16.9	14.2	35	228	7.2
05	4/24 16:38	4/24 07:38	35-12.92	139-45.90	16.1	14.6	80	239	8.7
S4	4/25 09:09	4/25 00:09	34-59.98	139-30.13	13.9	16.6	1317	calm	
S3	4/25 10:49	4/25 01:49	35-00.01	139-21.46	14.8	15.9	1480	195	4.1
S3	4/26 08:05	4/25 23:05	34-59.94	139-19.84	14.6	14.7	1506	024	5.7
S1	4/26 09:46	4/26 23:46	35-09.98	139-19.99	14.7	14.9	1077	128	3.1
S2	4/26 11:14	4/26 02:14	35-10.03	139-29.99	14.5	16.0	528	calm	
O	4/28 07:26	4/27 22:26	35-06.47	139-39.92	14.3	14.7	81	calm	
11	4/28 08:10	4/27 23:10	35-01.96	139-39.94	15.0	15.5	851	calm	
10	4/28 09:28	4/28 00:28	35-02.38	139-43.39	16.4	16.4	817	261	2.2
09	4/28 10:38	4/28 01:38	35-04.99	139-45.62	17.4	16.6	657	214	3.8
08	4/28 11:16	4/28 02:16	35-06.98	139-46.65	17.9	16.0	547	198	5.3
07	4/28 11:56	4/28 02:56	35-08.99	139-45.68	18.4	15.0	446	198	6.0
06	4/28 13:16	4/28 04:16	35-11.10	139-44.72	17.2	15.3	258	187	3.7
F3	6/19 10:00	6/19 01:00	35-30.50	139-49.98	22.9	22.2	24	calm	
F2	6/19 11:24	6/19 02:24	35-33.04	139-54.91	24.7	21.9	17	calm	
F1	6/19 12:11	6/19 03:11	35-35.04	140-00.00	26.2	22.8	13	043	1..0
F4	6/19 13:12	6/19 04:12	35-29.02	139-55.09	26.0	22.4	20	calm	
F5	6/19 13:42	6/19 04:42	35-26.58	139-51.77	24.8	21.8	24	208	4.4
F6	6/19 14:24	6/19 05:24	35-25.02	139-48.02	23.9	22.7	24	188	6.0
F7	6/19 15:45	6/19 06:45	35-21.77	139-41.54	24.4	21.1	44	192	6.0
02	6/20 08:28	6/19 21:28	35-16.64	139-44.43	21.7	21.8	43	117	2.6
05	6/20 09:12	6/20 00:12	35-12.89	139-45.89	22.5	20.5	80	calm	
06	6/20 09:47	6/20 00:47	35-10.73	139-44.49	22.4	21.0	298	223	1.4

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S'd m/s
07	6/20 10:15	6/20 01:15	35-08.96	139-45.65	22.5	21.2	447	227	2.6
08	6/20 11:13	6/20 02:13	35-06.99	139-46.65	23.1	21.7	536	210	4.0
09	6/20 11:51	6/20 02:51	35-05.01	139-45.61E	22.1	22.7	656	210	5.1
10	6/20 12:36	6/20 03:36	35-02.38	139-43.39	22.3	22.5	816	180	5.5
11	6/20 13:39	6/20 04:39	35-01.94	139-39.94	22.8	21.8	850	171	6.4
S4	6/22 09:06	6/22 00:06	34-59.96	139-30.03	23.3	21.6	1316	43	1.4
S3	6/22 11:19	6/22 02:19	35-00.01	139-20.03	26.1	21.4	1497	calm	
S1	6/22 13:56	6/22 04:56	35-10.02	139-19.96	25.0	21.9	1073	43	1.4
S2	6/22 15:11	6/22 06:11	35-09.98	139-30.09	24.1	21.6	522	217	3.0
06	6/22 09:53	6/22 00:53	35-02.49	139-45.17	20.7	20.5	765	17	6.6
05	6/22 10:17	6/22 01:17	35-01.45	139-45.14	20.4	20.4	250	11	5.3
04	6/22 10:34	6/22 01:34	35-00.44	139-45.20	20.5	20.6	443	22	6.0
03	6/22 10:53	6/22 01:53	34-59.48	139-45.22	20.6	20.8	188	24	5.6
02	6/22 11:09	6/2 02:09	34-59.45	139-46.40	21.0	20.8	78	19	6.2
11	6/22 11:23	6/22 02:23	35-00.46	139-46.45	20.7	20.7	433	6	6.3
10	6/22 11:46	6/22 02:46	35-01.46	139-46.41	20.5	20.5	105	4	7.0
07	6/25 12:00	6/ 25 03:00	35-02.48	139-46.42	20.5	20.4	472	18	7.4
08	6/25 12:25	6/25 03:25	35-02.63	139-47.65	20.5	20.5	43	20	8.4
09	6/25 12:41	6/25 03:41	35-01.46	139-47.55	20.8	20.6	75	21	5.2
12	6/25 12:56	6/25 03:56	35-00.44	139-47.64	20.8	20.7	300	22	5.2
01	6/25 13:12	6/25 04:12	34-59.70	139-47.56	21.2	20.7	120	24	5.0
16	6/25 13:27	6/25 04:27	34-59.98	139-48.88	21.5	21.0	88	28	5.9
15	6/25 13:41	6/25 04:41	35-00.03	139-50.03	22.0	21.1	27	34	6.0
14	6/25 13:50	6/25 04:50	35-00.69	139-49.95	21.8	21.0	27	15	5.3
13	6/25 14:00	6/25 05:00	35-01.03	139-48.77	22.3	21.1	39	19	5.2
F2	7/7 10:07	7/7 01:07	35-32.91	139-54.42	22.5	24.0	19	325	7.4
F1	7/7 11:12	7/7 02:12	35-34.90	140-00.02	22.7	23.7	13	320	7.0
F3	7/9 10:00	7/9 01:00	35-30.42	139-49.99	25.7	22.5	25	153	3.0
F6	7/9 11:00	7/9 02:00	35-24.97	139-48.03	26.9	23.4	26	calm	
02	7/9 12:45	7/9 03:45	35-16.77	139-44.28	26.6	23.3	43	178	5.0
05	7/9 13:23	7/9 04:23	35-13.05	139-45.96	25.1	23.5	78	243	5.4
06	7/9 13:49	7/9 04:49	35-11.01	139-44.62	24.2	22.9	280	240	5.9
07	7/9 14:37	7/ 9 05:37	35-09.06	139-45.43	24.8	22.8	445	170	5.0
08	7/9 15:31	7/9 06:31	35-07.02	139-46.60	25.1	23.8	512	188	4.6

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S' d m/s
09	7/9 16:12	7/7 07:12	35-05.01	139-45.58	25.5	24.0	660	250	3.3
10	7/9 16:55	7/9 07:55	35-02.42	139-43.46	25.8	23.7	810	260	9.6
11	7/10 07:58	7/9 22:58	35-02.03	139-40.05	23.7	23.5	816	37	7.5
S4	7/10 09:17	7/10 00:17	35-00.04	139-29.93	25.3	22.8	1329	7	4.0
S3	7/10 10:21	7/10 01:21	35-00.01	139-20.02	24.7	22.3	1502	calm	
S1	7/11 10:47	7/11 01:47	35-09.98	139-19.97	26.4	23.1	1073	172	2.8
S2	7/11 12:06	7/11 03:06	35-10.04	139-30.05	24.6	25.0	511	164	4.5
S3	9/7 08:09	9/6 23:09	35-00.45	139-19.42	24.3	26.2	1487	15	8.7
S4	9/8 09:33	9/8 00:33	35-00.01	139-29.80	25.2	26.0	1329	84	2.4
S3	9/8 10:56	9/8 01:56	34-59.98	139-20.00	24.7	26.8	1496	59	2.8
S3	9/9 09:57	9/9 00:57	35-00.32	139-20.18	27.9	26.8	1496	144	3.0
06	9/10 09:50	9/10 00:50	35-02.43	139-45.20	27.5	26.9	742	202	3.7
05	9/10 10:16	9/10 01:16	35-01.47	139-45.13	27.7	26.7	263	200	3.8
04	9/10 10:35	9/10 01:35	35-00.42	139-45.44	28.2	26.2	436	201	4.0
08	9/10 12:27	9/10 03:27	35-02.50	139-47.66	28.6	26.6	55	193	4.2
09	9/10 12:42	9/10 03:42	35-01.44	139-47.69	28.3	26.6	68	194	4.4
12	9/10 12:56	9/10 03:56	35-00.51	139-47.60	28.2	26.7	282	176	5.5
01	9/10 13:12	9/10 04:12	34-59.77	139-47.57	28.0	26.7	140	180	5.3
16	9/10 13:26	9/10 04:26	35-00.01	139-48.83	28.6	26.9	100	199	4.7
15	9/10 13:37	9/10 04:37	35-00.05	139-50.01	28.7	26.8	28	213	5.2
14	9/10 13:47	9/10 04:47	35-00.96	139-50.03	29.0	26.8	8	226	4.5
13	9/10 14:00	9/10 05:00	35-00.99	139-48.82	28.7	26.9	40	203	5.0
07	9/10 14:21	9/10 05:21	35-02.46	139-46.46	28.8	26.8	337	188	5.0
10	9/10 14:38	9/10 05:38	35-01.48	139-46.44	28.0	26.8	106	188	5.3
11	9/10 14:52	9/10 05:52	35-00.51	139-46.40	27.9	26.8	435	182	5.4
02	9/10 15:08	9/10 06:08	34-59.56	139-46.46	28.0	26.9	108	172	6.0
03	9/10 15:22	9/10 06:22	34-59.48	139-45.16	28.1	26.9	185	175	6.2
11	9/11 08:49	9/10 23:49	35-01.92	139-40.05	25.0	26.6	815	22	8.8
10	9/11 10:26	9/11 01:26	35-02.42	139-43.37	26.3	26.9	805	43	1.4
09	9/11 11:12	9/11 02:12	35-05.03	139-45.65	29.3	26.3	651	148	5.6
08	9/11 11:45	9/11 02:45	35-07.01	139-46.60	29.0	26.2	527	152	6.4
07	9/11 12:29	9/11 03:29	35-08.94	139-45.65	28.4	26.5	459	166	6.6
06	9/11 13:29	9/11 04:29	35-11.02	139-44.66	28.6	26.5	275	158	6.0
05	9/11 14:27	9/11 05:27	35-12.93	139-45.93	27.9	26.5	80	176	6.8

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S' d m/s
02	9/11 15:08	9/11 06:08	35-16.62	139-44.33	25.3	26.3	44	311	4.4
F6	9/11 16:41	9/11 07:41	35-25.05	139-48.02	25.2	25.9	28	43	1.0
F3	9/12 11:12	9/12 02:12	35-30.52	139-50.04	27.5	26.2	25	185	9.1
F3	10/2 10:12	10/2 01:12	35-30.37	139-50.00	21.2	22.7	25	15	4.7
F6	10/2 12:00	10/2 03:00	35-24.68	139-47.83	20.8	22.9	24	12	4.7
02	10/2 13:58	10/2 04:58	35-16.71	139-44.22	21.5	23.1	43	30	6.7
05	10/2 14:42	10/2 05:42	35-12.96	139-45.80	21.4	23.1	80	19	6.9
11	10/3 08:53	10/2 23:53	35-01.95	139-39.99	19.3	24.1	833	15	9.8
10	10/3 10:37	10/3 01:37	35-02.40	139-43.40	20.3	24.3	817	0	7.3
09	10/3 11:23	10/3 02:23	35-05.02	139-45.65	20.7	24.0	650	13	10.1
08	10/3 12:00	10/3 03:00	35-07.05	139-46.56	20.6	24.2	502	15	8.4
07	10/3 13:03	10/3 04:03	35-08.95	139-45.51	20.8	23.4	456	46	6.4
07	10/3 13:27	10/3 04:27	35-08.87	139-45.58	21.7	23.4	471	37	5.1
06	10/3 14:05	10/3 05:05	35-10.97	139-44.49	22.1	23.2	298	0	3.0
S3	10/5 10:09	10/5 01:09	35-00.00	139-19.95	21.3	24.3	1509	25	10.3
S4	10/5 12:46	10/5 03:46	34-59.94	139-29.97	22.4	23.5	1317	22	8.6
06	10/7 09:59	10/7 00:59	35-02.54	139-45.21	21.0	24.6	759	24	7.0
05	10/7 10:28	10/7 01:28	35-01.49	139-45.18	21.2	24.7	254	39	5.9
04	10/7 10:45	10/7 01:45	35-00.49	139-45.18	21.3	24.6	426	27	6.0
03	10/7 11:06	10/7 02:06	34-59.46	139-45.20	21.5	24.9	152	25	6.1
02	10/7 11:21	10/7 02:21	34-59.51	139-46.39	21.1	24.3	79	45	5.4
11	10/7 11:33	10/7 02:33	35-00.53	139-46.41	20.9	24.3	421	35	3.7
10	10/7 11:53	10/7 02:53	35-01.49	139-46.43	21.0	24.6	104	74	3.4
07	10/7 12:06	10/7 03:06	35-02.51	139-46.40	21.3	24.5	170	50	3.4
08	10/7 12:19	10/7 03:19	35-02.49	139-47.14	21.3	24.5	70	43	3.4
09	10/7 12:33	10/7 03:33	35-01.50	139-47.60	21.3	24.4	70	18	2.6
12	10/7 12:45	10/7 03:45	35-00.47	139-47.54	21.3	24.4	144	110	2.2
01	10/7 12:58	10/7 03:58	34-59.69	139-47.52	21.6	24.5	114	43	1.7
16	10/7 13:13	10/7 04:13	34-59.94	139-48.82	21.7	24.0	129	84	2.2
15	10/7 13:27	10/7 04:27	35-00.00	139-50.00	21.9	23.9	28	38	2.0
14	10/7 13:38	10/7 04:38	35-01.00	139-49.98	21.8	24.0	14	118	3.0
13	10/7 13:49	10/7 04:49	35-01.07	139-48.78	22.0	24.5	39	8	1.7
F2	11/7 10:14	11/7 01:14	35-32.95	139-55.00	14.7	18.2	18	338	3.3
F3	11/7 11:30	11/7 02:30	35-30.43	139-49.93	15.6	18.3	25	calm	

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S' d m/s
F6	11/7 13:08	11/7 04:08	35-25.06	139-48.13	17.1	18.3	27	90	1.4
02	11/7 15:23	11/7 06:23	35-16.60	139-44.37	19.1	18.6	44	175	5.1
05	11/8 08:43	11/7 23:43	35-13.01	139-45.83	17.0	18.8	79	74	2.6
06	11/8 09:20	11/8 00:20	35-10.96	139-44.47	17.5	18.7	304	45	3.1
07	11/8 10:06	11/7 01:06	35-08.92	139-45.55	18.5	19.8	460	26	5.0
08	11/8 10:53	11/8 01:53	35-06.95	139-46.57	19.8	20.7	486	30	5.1
09	11/8 11:35	11/8 02:35	35-04.96	139-45.60	20.5	20.5	652	18	5.4
10	11/8 12:14	11/8 03:14	35-02.26	139-43.40	20.7	19.8	817	14	7.8
11	11/8 12:53	11/8 03:53	35-01.98	139-39.88	21.5	20.5	856	27	7.5
S4	11/9 09:30	11/9 00:30	34-59.94	139-30.00	14.0	20.9	1317	24	9.5
S3	11/9 11:14	11/9 02:14	34-59.97	139-20.03	14.3	20.7	1496	31	8.3
06	11/11 00:55	11/1100::55	35-02.50	139-45.14	17.6	20.6	754	15	5.6
05	11/11 10:29	11/11 01:29	35-01.45	139-45.17	17.1	20.6	221	21	6.8
04	11/11 10:44	11/11 01:44	35-00.50	139-45.18	17.4	20.6	407	10	6.4
03	11/11 11:04	11/11 02:04	34-59.57	139-45.15	17.6	20.5	202	18	8.6
02	11/11 11:22	11/11 02:22	34-59.51	139-46.34	17.9	20.5	98	14	10.0
11	11/11 11:35	11/11 02:35	35-00.44	139-46.35	18.0	20.6	420	12	11.2
10	11/11 12:00	11/11 03:00	35-01.45	139-46.42	17.8	20.6.	104	16	14.1
07	11/11 12:15	11/11 03:15	35-02.44	139-46.41	17.6	20.6	351	18	13.2
08	11/11 12:33	11/11 03:33	35-02.45	139-47.58	17.5	20.4	63	29	12.6
09	11/11 12:43	11/11 03:43	35-01.46	139-47.49	17.8	20.4	75	28	10.4
12	11/11 12:55	11/11 03:55	35-00.47	139-47.56	18.3	20.4	203	23	8.8
01	11/11 13:08	11/11 04:08	34-59.78	139-47.53	17.7	20.4	165	56	8.1
16	11/11 13:26	11/11 04:26	35-00.00	139-48.77	17.7	20.5	143	45	7.9
15	11/11 13:42	11/11 03:42	35-00.01	139-50.02	18.1	22.7	28	37	8.3
14	11/11 12:53	11/11 03:53	35-00:96	139-49.98	18.1	20.5	16	29	7.4
13	11/11 14:04	11/11 05:04	35-00.98	139-48.74	18.5	20.3	42	42	5.6
F2	12/13 10:09	12/13 01:09	35-32.94	139-50.04	8.6	13.5	18	25	1.0
F3	12/13 10:56	12/13 01:56	35-30.41	139-49.85	10.0	13.7	25	29	2.6
F6	12/13 12:35	12/13 03:35	35-24.97	139-48.05	11.4	14.4	26	43	1.4
02	12/13 14:33	12/13 05:33	35-16.72	139-44.31	11.2	15.2	44	334	2.4
05	12/14 08:26	12/13 23:26	35-12.93	139-45.72	8.1	15.6	80	19	6.0
06	12/14 09:00	12/14 00:00	35-10.96	139-45.68	8.2	16.0	286	25	7.6
07	12/14 09:45	12/14 00:45	35-08.95	139-45.55	8.7	17.6	457	12	7.6

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S'd m/s
08	12/14 10:40	12/14 01:40	35-06.94	139-46.59	9.0	17.9.	491	17	7.4
09	12/14 11:25	12/14 02:25	35-04.90	139-45.67	9.4	18.5	620	21	7.8
10	12/14 12:04	12/14 03:04	35-02.43	139-43.35	9.2	18.3	815	15	7.4
11	12/14 12:44	12/14 03:44	35-01.99	139-40.00	9.9	17.8	816	23	6.7
S3	12/17 08:39	12/16 23:39	34-59.88	139-20.04	10.6	17.9	1496	32	7.2
S4	12/17 12:11	12/17 03:11	34-59.95	139-30.06	11.0	18.4	1317	46	5.1
06	12/18 10:17	12/18 01:17	35-02.54	139-45.19	10.4	17.3	753	12	9.3
05	12/18 10:58	12/18 01:58	35-01.45	139-45.17	10.6	17.5	241	24	7.6
04	12/18 11:14	12/18 02:14	35-00.46	139-45.24	10.8	17.8	432	24	7.8
03	12/18 11:34	12/18 02:34	34-59.44	139-45.21	10.8	18.7	120	28	7.8
02	12/18 11:49	12/18 02:49	34-59.49	139-46.44	10.8	18.2	77	14	8.6
11	12/18 12:00	12/18 03:00	35-00.46	139-46.47	10.8	17.6	433	14	8.0
10	12/18 12:24	12/18 03:24	35-01.48	139-46.39	10.8	17.5	107	24	9.0
07	12/18 12:38	12/18 03:38	35-02.51	139-46.47	11.0	17.6	351	17	9.1
08	12/18 12:55	12/18 03:55	35-02.63	139-47.37	10.9	17.6	75	17	8.7
09	12/18 13:09	12/18 04:09	35-01.49	139-47.60	11.2	17.7	73	18	7.4
12	12/18 13:22	12/18 04:22	35-00.48	139-47.57	11.3	17.7	286	18	7.0
01	12/18 13:37	12/18 04:37	34-59.71	139-47.59	11.4	18.3.	114	6	6.1
16	12/18 13:52	12/18 04:52	34-59.95	139-48.82	11.2	17.6	114	7	6.7
15	12/18 14:07	12/18 05:07	34-59.94	139-49.98	11.4	17.4	27	2	6.0
14	12/18 14:20	12/18 05:20	35-00.97	139-49.97	11.0	17.3	14	5	5.1
13	12/18 14:32	12/18 05:32	35-00.94	139-48.71	11.4	17.4	42	5	6.2
F2	1/15 10:06	1/15 01:06	35-33.00	139-55.08	1.6	9.9	19	343	5.9
F3	1/15 11:08	1/15 02:08	35-30.38	139-49.87	3.1	9.8	26	338	8.0
F6	1/15 12:30	1/15 03:30	35-24.85	139-48.11	4.3	10.0	25	337	6.4
03	1/15 14:34	1/15 05:34	35-15.00	139-45.89	5.5	11.1	38	39	4.6
05	1/15 14:52	1/15 05:52	35-12.95	139-45.84	5.0	11.5	81	5	4.1
11	1/16 07:46	1/15 20:46	35-01.95	139-39.97	4.0	15.7	830	35	5.8
10	1/16 11:08	1/16 02:08	35-02.37	139-43.40	5.1	16.0	805	13	4.5
09	1/16 11:54	1/16 02:54	35-05.00	139-45.57	5.2	16.2	662	354	3.6
08	1/16 12:30	1/16 03:30	35-06.99	139-46.60	5.3	16.1	503	334	3.1
07	1/16 13:16	1/16 04:16	35-09.00	139-45.68	5.7	16.2	447	43	1.7
06	1/16 14:04	1/16 05:04	35-10.95	139-44.57	6.7	15.5	279	43	1.4
S3	1/18 09:52	1/18 00:52	34-59.98	139-20.04	6.2	16.2	1495	calm	

St.No	Time(SMT)	GMT	Lat. N	Long E	A.Temp ℃	W.Temp ℃	Depth m	Wind Dir.	Wind S'd m/s
S4	1/19 08:42	1/18 23:42	35-00.24	139-30.15	5.1	16.7	1316	20	11.2
F3	2/5 10:06	2/5 01:06	35-30.36	139-49.94	5.6	8.6	25	2	5.0
F6	2/5 11:20	2/5 02:20	35-25.02	139-48.01	7.1	8.9	28	20	5.2
03	2/5 13:23	2/5 04:23	35-15.00	139-45.84	8.9	10.0	37	2	5.7
05	2/5 13:43	2/5 04:43	35-12.90	139-45.88	8.5	11.4	81	4	5.7
06	2/6 07:58	2/5 23:58	35-11.01	139-44.58	6.1	10.9	292	30	5.9
05	2/6 08:45	2/5 23:45	35-09.22	139-45.48	7.1	14.8	417	24	6.0
08	2/6 09:30	2/6 00:30	35-06.94	139-46.55	7.8	15.4	444	20	7.2
09	2/9 10:00	2/9 01:00	35-04.98	139-45.55	8.0	15.4	663	26	7.2
10	2/6 10:38	2/6 01:38	35-02.36	139-43.35	8.8	13.7	817	26	7.5
11	2/6 11:21	2/6 02:21	35-01.92	139-39.96	9.5	16.0	836	30	8.1
S4	2/6 12:51	2/8 03:51	35-00.03	139-29.99	11.8	16.1	1317	45	5.1
S3	2/8 11:05	2/8 02:05	34-59.99	139-20.01	10.1	16.1	1508	22	5.9
F3	3/12 11:00	3/12 02:00	35-30.59	139-49.91	4.0	10.0	24	34	5.9
F6	3/12 12:06	3/12 03:06	35-25.26	139-48.02	3.9	10.3	29	35	5.8
03	3/12 14:06	3/12 05:06	35-14.96	139-45.85	5.9	11.4	36	18	6.2
05	3/12 14:25	3/12 05:25	35-13.00	139-45.74	7.1	11.5	79	36	5.0
11	3/14 07:16	3/13 20:16	35-01.97	139-40.09	10.0	14.4	805	207	9.2
S4	3/16 08:18	3/15 23:18	35-00.15	139-30.03	8.0	13.6	1329	28	9.7
07	3/16 10:40	3/16 01:40	35-08.96	139-45.55	9.4	12.6	439	347	2.8
06	3/16 11:37	3/16 02:37	35-10.95	139-44.67	9.4	12.0	261	353	3.6