

**Preliminary Report
of
The Hakuho Maru Cruise KH-97-1**

May 16, 1997 – June 18, 1997

**Study on the mechanism of recruitment variations of small
pelagic fish populations (GLOBEC)**

**Ocean Research Institute
University of Tokyo
2002**

**Preliminary Report
of
The Hakuho Maru Cruise KH-97-1**

May 16, 1997 – June 18, 1997

**Study on the mechanism of recruitment variations of small
pelagic fish populations (GLOBEC)**

By

The Scientific Members of the Cruise

Edited by

Takashige SUGIMOTO

PREFACE

Warm water tongues and streamers derived from the Kuroshio and the Kuroshio Extension influence larval transport process and larval growth-survival process for pelagic fish such as sardine and jack mackerel which have spawn grounds in the Kuroshio region. In particular, these physical and biological processes are an important factor to determine abundance of recruitment of the pelagic fish. In this cruise, meso-scale temporal fluctuations in their distribution were intensively observed. This observation will provide good data for studies on function of larval transport and changes in distribution of larval fish, their prey, nutrients and chlorophyll, which would be related to growth and survival of fishery-important fish species.

The main observation in this cruise were focused on the Enshu-nada and Kashimanada Seas where were the regions of the Kuroshio, the Kuroshio Extension and the Kuroshio – Oyashio transition, and conducted with CTD, satellite data acquisition, surface biological environment monitoring system, ADCP, floating buoy tracking system and net towing (ORI, MTD, IKMT, mid-layer trawl, NORPAC).

Followings are main research conducted in this research cruise.

1. Current field observation with ADCP
2. Moving and changing process of water mass property using floating buoys
3. Primary and secondary production in warm core rings
4. Ecology of zooplankton and micro-nekton
5. Catch of larvae and adults by nets and mid-trawl net
6. Catch of sardine and anchovy by gill net
7. Mud sampling with piston core
8. Studies on air property

We had very good weather condition and enthusiastic cooperation by ship crews. Most of the scheduled observation had been completed. We would like to express our deep appreciation to the crews.

Takashige Sugimoto
Chief Scientist

Contents

List of Scientists aboard.....	1
Track Charts.....	4
Time Table.....	6
CTD Data.....	12

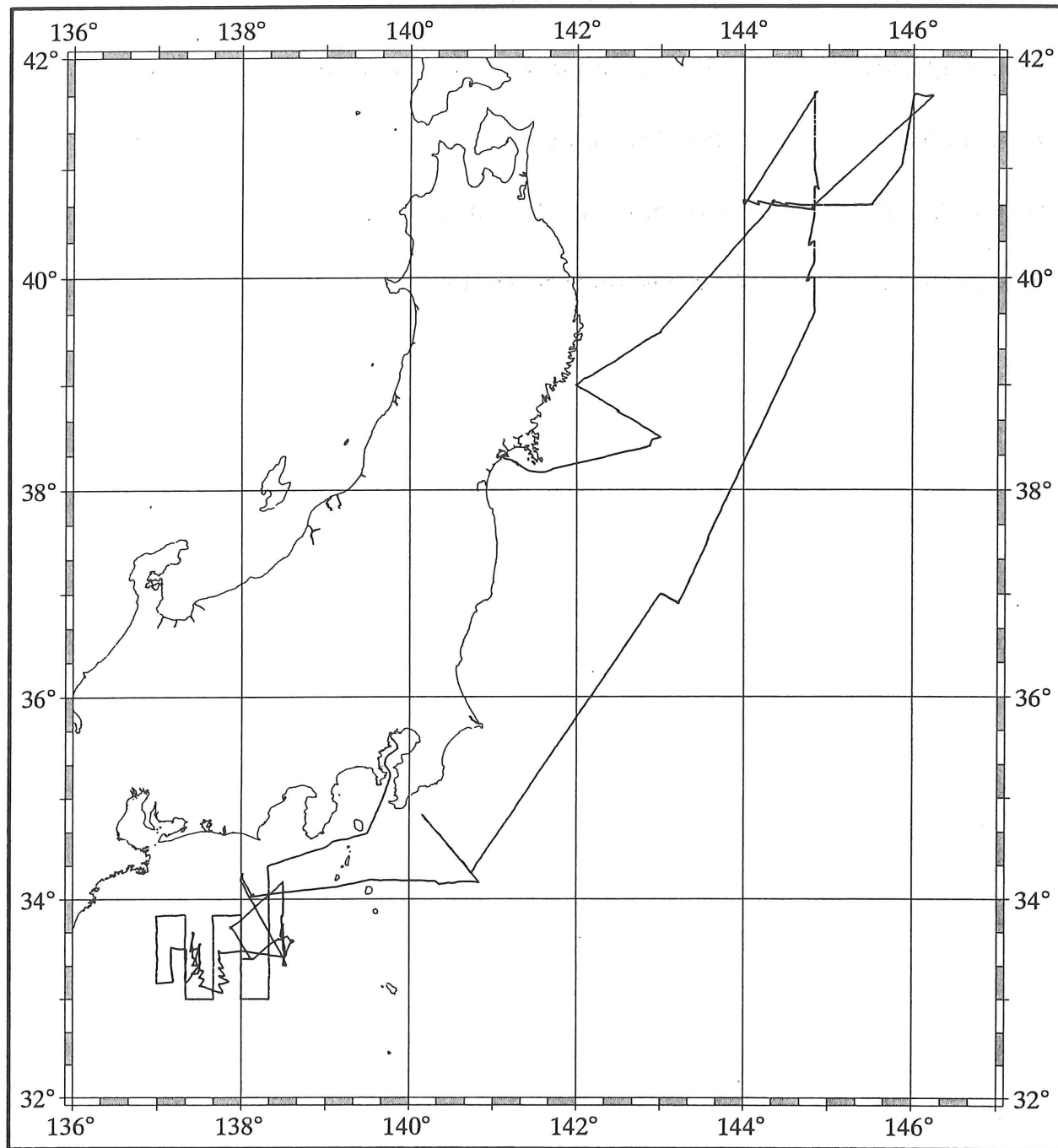
Scientists aboard

Takashige SUGIMOTO	Ocean Research Institute, The University of Tokyo
Hideaki NAKATA	Ocean Research Institute, The University of Tokyo
Yoshiro WATANABE	Ocean Research Institute, The University of Tokyo
Teruhisa KOMATSU	Ocean Research Institute, The University of Tokyo
Shingo KIMURA	Ocean Research Institute, The University of Tokyo
Hideo NAGAE	Ocean Research Institute, The University of Tokyo
Masaharu WATANABE	Ocean Research Institute, The University of Tokyo
Susana SAINZ-TRAPAGA	Ocean Research Institute, The University of Tokyo
Yuji OKAZAKI	Ocean Research Institute, The University of Tokyo
Yuko OSHIMA	Ocean Research Institute, The University of Tokyo
Akira KUSAKA	Ocean Research Institute, The University of Tokyo
Takashi INOUE	Ocean Research Institute, The University of Tokyo
Amane HAYASHI	Ocean Research Institute, The University of Tokyo
Kiyotaka HIDAKA	Ocean Research Institute, The University of Tokyo
Chiyuki SASSA	Ocean Research Institute, The University of Tokyo
Motoomi YAMAGUCHI	Ocean Research Institute, The University of Tokyo
Hisatsugu KATO	Ocean Research Institute, The University of Tokyo

Motomitsu TAKAHASHI	Ocean Research Institute, The University of Tokyo
Yurika UJIIE	Ocean Research Institute, The University of Tokyo
Koken SAKASHITA	Ocean Research Institute, The University of Tokyo
Takashi KITAGAWA	Ocean Research Institute, The University of Tokyo
Takafumi YOSHIDA	Ocean Research Institute, The University of Tokyo
Yutaka KUMAKI	Ocean Research Institute, The University of Tokyo
Tadakazu AWAGON	Ocean Research Institute, The University of Tokyo
Vincent KASTORIA	Ocean Research Institute, The University of Tokyo
Ichiro AOKI	Graduate School of Agricultural and Life Sciences, The University of Tokyo
Tetsuichiro FUNAMOTO	Graduate School of Agricultural and Life Sciences, The University of Tokyo
Daisuke SHIOIDE	Graduate School of Fisheries, Hokkaido University
Kazuhiko ITAYA	Graduate School of Fisheries, Hokkaido University
Yoshinari ENDO	Faculty of Agriculture, Tohoku University
Taro AKIHO	Faculty of Agriculture, Tohoku University
Yoshizumi NAKAGAWA	Faculty of Agriculture, Tohoku University
Shinichi WATANABE	Faculty of Agriculture, Tohoku University
	Tokyo University of Fisheries
Hirokazu OZAWA	Kanazawa University
Toru SHIMIZU	Kanazawa University

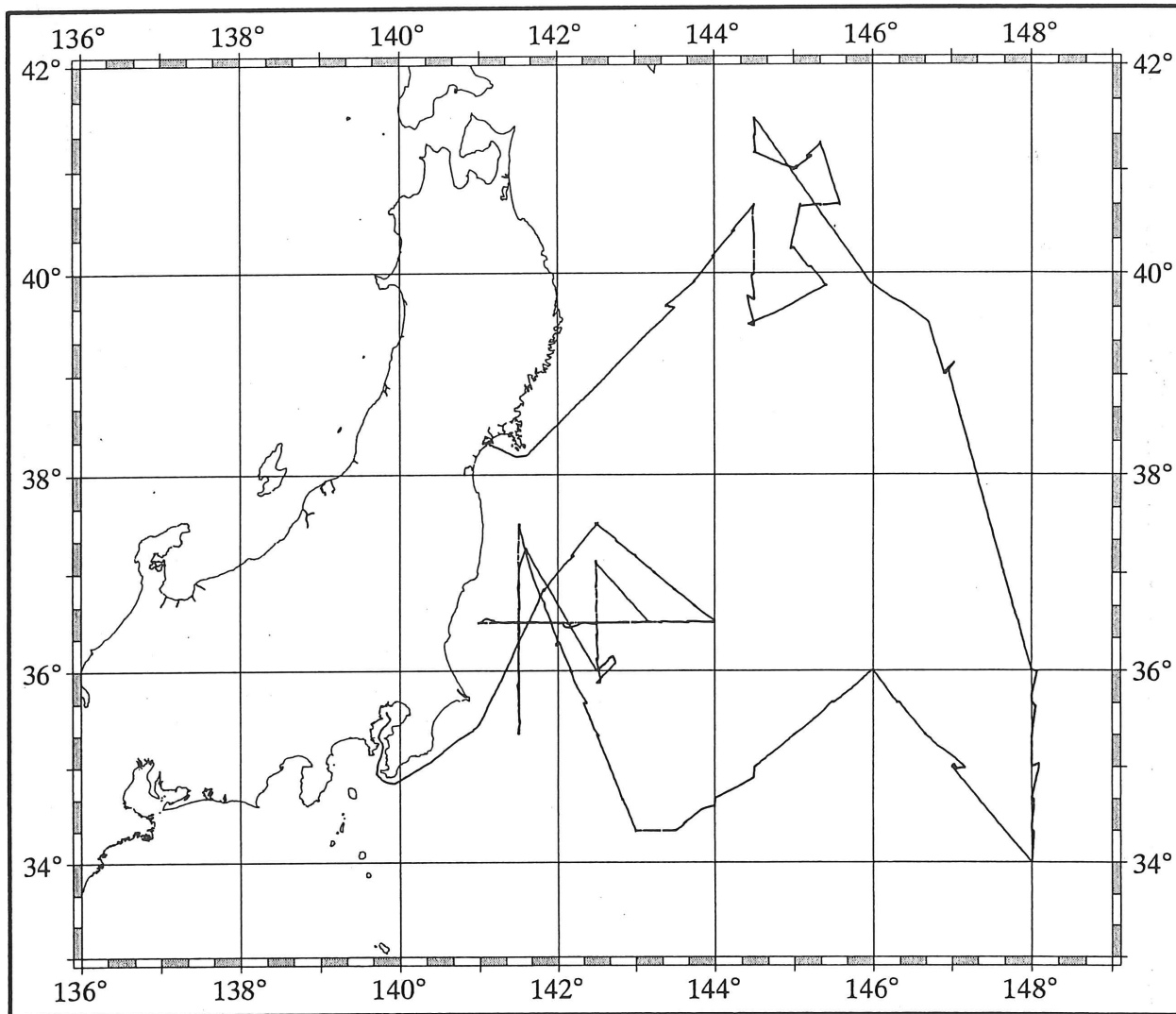
Akihide KASAI	Faculty of Agriculture, Kyoto University
Hideo HATASE	Faculty of Agriculture, Kyoto University
Atsushi TAKIMOTO	Faculty of Agriculture, Kyoto University
Atsuyuki OKI	Tokyo University of Science
Daisuke FURUE	Tokyo University of Science
Akira SUGIMOTO	Tokyo University of Science

TRACK CHART



KH-97-1 Leg.1

TRACK CHART



KH-97-1 Leg.2

Station	Date	Time	Lat.	Lon.	Depth	CTD	RMS	Norp.	XBT	ORI33	MD56	MD80	IKMT	Trawl.	CMT.
LEG-1 Start															
EN-1	5.17	00:30	34 -20.00	138 -20.00	4065										O
EN-2		01:31	10.00	19.89	3951										O
EN-3		02:26	00.05	19.83	7507										O
EN-4		03:23	33 -50.00	19.94	7732										O
EN-5		04:23	39.58	20.04	2000										O
EN-6		05:25	29.97	19.97	3877										O
EN-7		06:23	20.09	20.15	3990										O
EN-8		07:28	10.02	20.00	3888										O
EN-9		08:37	32 -59.94	19.92	3889										O
EN-10		10:23	33 -00.02	00.00	4047										O
EN-11		11:24	10.00	00.08	3919										O
EN-12		12:21	20.00	137 -59.85	3047										O
EN-13		13:21	30.01	138 -00.01	2948										O
EN-14		14:21	40.01	137 -59.92	3862										O
EN-15		15:22	50.01	138 -00.00	3448										O
EN-16		16:52	50.01	40.03	1948										O
EN-17		17:52	39.73	40.08	2790										O
EN-18		18:45	29.99	40.10	3989										O
EN-19		19:41	20.03	40.10	4013										O
EN-20		20:40	09.97	39.90	5603										O
EN-21		21:38	00.07	39.93	3410										O
EN-22		23:20	00.01	20.93	3436										O
EN-23	5.18	00:15	10.03	20.14	4139										O
EN-24		01:17	20.01	20.10	4297										O
EN-25		02:14	30.01	19.55	5858										O
EN-26		03:11	40.00	19.97	8423										O
EN-27		04:10	50.01	19.96	9573										O
EN-28		05:49	49.91	136 -59.96	2040										O
EN-29		06:47	39.98	59.95	2020										O
EN-30		07:46	29.99	137 -00.04	2058										O
EN-31		08:42	19.97	00.10	2700										O
EN-32		09:38	10.01	136 -59.93	3308										O
EN-33		10:09	09.94	137 -10.42	4196										O
EN-34		10:52	19.98	10.04	3152										O
EN-35		11:31	30.26	09.96	2975										O
EN-36		12:06	30.03	20.26	3007										O
EN-37		13:10	20.00	20.14	3403										O
EN-38		14:08	10.00	20.07	4186										O
EN-39		14:56	20.21	30.33	3882										O
EN-40		15:30	30.06	29.86	3932										O
		16:10	33 -29.91	137 -24.89											
		16:21	30.93	25.01											GPS BUOY NO.1throw
		16:40	29.53	24.03											GPS BUOY NO.2throw
		16:57	29.44	25.96											GPS BUOY NO.3throw
D-1		19:37	40.00	25.00											GPS BUOY NO.4throw

Observational Table

Station	Date	Time	Lat.	Lon.	Depth	CTD	RMS	Norp.	XBT	ORI33	ORI69	MD56	MD80	IKMT	Trawl.	CMT.
D-2	21:24		35.30	25.00	3091	○	○				○					
D-3	22:58		30.05	24.99	5189	○	○				○					
D-4	5.19	00:31	25.09	25.16	3616	○	○				○					
D-5		02:13	20.15	25.31	4035	○	○				○					
D-6		04:35	14.94	25.98	4112	○	○				○					
D-7	09:30		32.86	30.12	3938	○	○									Flowmeter calibration
D-8	11:08		27.71	30.13	3898	○	○									
D-9	12:32		22.74	30.19	4078	○	○									
D-10	13:42		17.86	30.20	4065	○	○									
D-11	15:20		12.82	30.39	4027	○	○									
D-12	16:49		07.92	30.36	3916	○	○									
D-12	17:33		07.50	32.97	6309											XCTD
D-13	18:44		04.09	43.51	3160	○	○				○					
D-14	20:35		08.94	44.21	3358	○	○				○					
D-15	23:40		13.81	44.33	3842	○	○				○					
D-16	5.20	01:42	18.92	44.01	9365	○	○				○					
D-17	03:30		23.92	43.00	9737	○	○									
D-18	04:51		28.80	43.98	4013	○	○									
D-19	08:50		25.40	138 -30.43	4297	○	○									
D-20	09:54		29.90	30.21	3505	○	○									
D-21	10:53		34.99	29.92	2761	○	○									
D-22	11:54		40.02	29.96	2415	○	○									
D-23	12:52		45.11	29.81	1360	○	○									
	14:24	33 -37.28		29.96												GPS BUOY NO.3 recover
	15:19		37.59	33.11												GPS BUOY NO.4 recover
																GPS BUOY NO.2 recover
D-25	16:27		04.64	37.71												
D-26	18:30		25.30	30.20	3947	○	○				○					
D-27	20:00		29.82	30.06	3515	○	○				○					
D-28	21:30		35.06	30.09	2785	○	○				○					
	22:56		39.98	29.97	2538	○	○									
	5.21	06:21	36.23	26.45												GPS BUOY NO.1 recover
M1																Multiple core
M2																Multiple core
D-29	20:18	34 -10.13		30.01	4300	○	○				○					
D-29		10.05		29.90	3630						○					
EN-41	21:21	05.00		30.00	3663						○					
D-30	21:53	00.27		30.17	3575	○	○									
EN-42	22:56	33 -55.00		30.04	3559						○					
D-31	23:25	50.21		29.87	2518	○	○				○					
EN-43	5.22	00:33	44.99	29.13	1680						○					
D-32	01:03	40.11		30.00	2444	○	○				○					
EN-44	01:32	34.98		29.94	2766						○					
D-33	03:05	30.26		30.02	3507	○	○				○					
EN-45	04:23	24.99		30.71	3463						○					
D-34	05:45	20.08		31.50	3522						○					
SITE1																Piston core
SITE2																Piston core

Observational Table

No.3

Station	Date	Time	Lat.	Lon.	Depth	CTD	RMS	Norp.	XBT	ORI33	ORI69	MD56	MD80	IKMT	Trawl.	CMT.
K-1	5.23	00:37	34 -09.98	140 -50.03	3698											
K-2		01:29	20.08	40.01	4804											
K-3		02:15	29.85	29.98	5331											
K-4		03:00	39.98	19.99	6007											
K-5		03:47	49.98	19.99	6007											
		04:50	38.95	21.22												ARGOS BUOY A1 throw
		05:36	31.19	28.96												ARGOS BUOY A2 throw
		06:19	23.58	36.63												ARGOS BUOY A3 throw
		07:24	15.75	44.28												ARGOS BUOY A4 throw
P-1		19:52	36 -59.97	142 -59.99	5148											
DN-1	5.24	20:27	39 -40.09	144 -50.01	5739											
DN-2		21:05														
C-1		21:55	59.98	49.71	5832											
DN-3	5.25	03:47	40 -10.00	50.00	5962											
C-2		04:35	20.00	50.00	6100											
DN-4		08:59	30.02	48.89	6337											
DN-5		09:37	40.02	50.10	6299											
C-3		10:24	49.99	50.19	5061											
DN-6		14:20	00.06	50.05	6010											
DN-7		14:57	41 -10.34	50.08	7064											
DN-8		15:33	20.00	49.30	5400											
DN-9		16:10	30.00	49.00	5010											
C-4		17:05	40.04	50.06	4725											
DN-10	5.26	01:30	40 -40.07	143 -59.68	4462											
DN-11		03:58	40.17	144 -09.85	4833											
C-5		06:14	40.20	19.95	6623											
DN-12		08:35	40.00	30.07	6671											
DN-13		10:40	40.00	40.00	7020											
C-6		12:27	39.95	50.00	6288											
DN-14		13:20	39.97	145 -00.35	6090											
DN-15		14:08	40.01	09.98	6004											
DN-16		14:59	40.03	19.97	5675											
DN-17		15:49	40.05	30.00	5493											
P-2	5.27	03:25	41 -40.30	146 -12.92	6500											
C-6-2		14:20	40 -39.71	144 -49.61	6331											
C-5-2		21:45	41.03	20.10	6400											
S-1	5.28	05:09	39 -29.80	143 -00.07	1717											
SX-1		07:17	22.56	45.06	1614											
S-2		08:37	14.88	142 -29.92	1083											
SX-2		10:13	07.50	15.00	657											
S-3		11:30	00.10	00.22	204											
SX-3		13:11	38 -52.29	15.27	702											
S-4		14:12	45.08	30.10	1186											
SX-4		16:09	37.52	45.04	1399											
S-5		17:15	30.12	59.88	1808											

Observational Table

Station	Date	Time	Lat.	Lon.	Depth	CTD	RMS	Norp.	XBT	ORI33	ORI69	MD56	MD80	IKMT	Trawl.	CMT.
LEG.2 Start																
W-1	6.06	03:38	39 -41.21	143 -23.78	2286	○	○	○	○	○	○	○	○	○	○	○
W-2		06:12	54.99	44.89	2870	○	○	○	○	○	○	○	○	○	○	○
W-3		08:30	40 -10.00	144 -59.83	4133	○	○	○	○	○	○	○	○	○	○	○
W-4		10:42	24.86	14.95	5810	○	○	○	○	○	○	○	○	○	○	○
W-5		13:14	39.86	29.88	6723	○	○	○	○	○	○	○	○	○	○	○
WX-1		15:18	19.91	29.81	7141				○							
W-6		16:42	39 -59.68	29.67	6842	○	○	○	○	○	○	○	○	○	○	○
W-7		18:30	45.04	30.08	6422	○	○	○	○	○	○	○	○	○	○	○
W-8		22:45	30.00	30.01	6665	○	○	○	○	○	○	○	○	○	○	○
W-9	6.07	04:51	52.91	145 -24.92	5275	○	○	○	○	○	○	○	○	○	○	○
W-10		06:44	40 -03.96	12.41	5428	○	○	○	○	○	○	○	○	○	○	○
W-11		08:27	15.01	144 -59.61	5762	○	○	○	○	○	○	○	○	○	○	○
W-12		11:10	39.80	145 -04.93	6033	○	○	○	○	○	○	○	○	○	○	○
W-13		12:45	40.00	19.87	5680	○	○	○	○	○	○	○	○	○	○	○
W-14		14:32	40.03	34.88	5436	○	○	○	○	○	○	○	○	○	○	○
W-15		18:02	41 -15.90	20.16	6900	○	○	○	○	○	○	○	○	○	○	○
W-16		19:46	07.56	10.21	6761	○	○	○	○	○	○	○	○	○	○	○
W-17	6.08	01:07	01.89	02.63	6235	○	○	○	○	○	○	○	○	○	○	○
W-18		04:20	09.97	144 -30.02	4928	○	○	○	○	○	○	○	○	○	○	○
W-19		06:00	19.94	30.10	4305	○	○	○	○	○	○	○	○	○	○	○
W-20		07:32	29.81	29.93	3472	○	○	○	○	○	○	○	○	○	○	○
P-3	6.09	04:38	39 -00.53	146 -55.30	5322	○						○			○	Gill net
ZX-1		11:20	38 -40.00	147 -05.00	5402											
ZX-2		12:42	19.81	12.06	5487											
ZX-3		14:01	37 -59.89	18.94	5567											
ZX-4		15:31	39.88	25.88	5662											
ZX-5-3		17:35	09.65	36.23	5603											
ZX-6-1		18:15	36 -59.36	39.80	5610											
ZX-7		19:30	40.00	46.31	5693											
ZX-8		12:51	19.15	53.54	5742											
Z-1		22:15	00.09	59.90	5750	○	○	○	○	○	○	○	○	○	○	○
Z-2	6.10	03:35	35 -37.54	148 -02.80	5757	○	○	○	○	○	○	○	○	○	○	○
Z-3		06:00	20.10	00.13	5798	○										
Z-4		08:04	00.29	00.78	5864	○										
Z-5		11:11	34 -40.09	00.37	5951											
Z-6		13:06	20.45	00.03	5938											
Z-7		15:22	00.09	00.04	5858											
Z-10		20:45	35 -00.10	147 -00.29	6008	○	○	○	○	○	○	○	○	○	○	Gill net
Z-11	6.11	05:56	20.09	146 -39.89	5880	○	○	○	○	○	○	○	○	○	○	○
Z-12		08:12	40.04	19.89	5775	○	○	○	○	○	○	○	○	○	○	○
Z-13		10:35	59.85	00.03	5651	○	○	○	○	○	○	○	○	○	○	○
Z-14		13:25	40.15	145 -30.13	5768	○	○	○	○	○	○	○	○	○	○	○
Z-15		16:00	20.09	00.01	5688	○	○	○	○	○	○	○	○	○	○	○
Z-16		18:50	34 -59.91	144 -29.84	5723	○	○	○	○	○	○	○	○	○	○	○
Z-17		23:00	39.73	00.05	5542	○	○	○	○	○	○	○	○	○	○	○

Observational Table

No.5

Station	Date	Time	Lat.	Lon.	Depth	CTD	RMS	Norp.	XBT	ORI33	ORI69	MD56	MD80	IKMT	Trawl.	CMT.
Z-18	6.12	04:15	20.06	143 -30.14	5650	○	○	○	○	○	○	○	○	○	○	
Z-17'		02:20	24.22	36.57	5580				○	○	○					
Z-19		06:50	19.93	00.02	5303	○	○	○	○	○	○					
Z-20		08:59	39.89	142 -49.89	5945	○	○	○	○	○	○					
Z-21		11:14	35 -00.01	40.00	5928	○	○	○	○	○	○					
Z-22		13:37	19.80	30.25	6973	○	○	○	○	○	○					
Z-23		15:14	31.10	24.65	7135											XCTD
Z-24		16:03	39.88	20.32	6538	○	○	○	○	○	○					
Z-25		17:45	50.90	14.40	4181				○							
Z-26		18:35	59.89	10.03	4080	○	○	○	○							
Z-27		20:04	36 -09.97	04.87	2757											XCTD
Z-28		21:15	16.86	141 -58.96	2631	○	○	○	○	○	○	○	○	○	○	
Z-29		23:48	29.94	54.93	2930											XCTD
Z-30	6.13	02:20	42.43	50.12	2177	○	○	○	○	○	○					
Z-31		04:39	59.88	40.22	526	○	○	○	○	○	○					
Z-32		07:31	37 -30.10	30.51	148	○	○	○	○	○	○					
KX-1		09:06	15.00	29.90					○							
KX-2		09:57	00.00	30.12	313				○							
KX-3		10:54	36 -45.00	30.00	640				○							
KX-4		11:51	30.00	30.00	1100				○							
KX-5		12:47	15.00	30.00	1459				○							
KX-6		13:42	00.00	30.00	2012				○							
KX-7		14:37	35 -45.00	30.00	2397				○							
KX-8		15:40	30.00	30.00	1627				○							
KX-9		16:53	22.50	30.15	1973				○							
KS-1		19:31	52.47	29.79	2103	○	○	○		○						
KS-2		21:18	36 -07.59	29.87	1703	○	○	○		○						
KS-3		23:11	22.65	30.20	1669	○	○	○		○						
KS-4	6.14	00:50	37.53	30.00	897	○	○	○		○						
KS-5		02:47	52.39	29.99	461	○	○	○		○						
KS-6		04:50	37 -03.54	30.22	259	○	○	○		○						
KX-10		06:15	15.00	35.54	226				○							
KX-11		07:23	00.00	46.28	711				○							
KX-12		08:26	36 -45.00	57.50	2459				○							
KX-13		09:27	30.00	142 -08.20	3057				○							
KX-14		10:28	15.00	19.20	4441				○							
P-4		15:37	08.83	41.77	7609	○								○	○	
KS-7		19:35	35 -52.72	30.28	8127	○	○	○		○						
KS-8		21:30	36 -07.52	29.92	9755	○	○	○		○						
KS-9		23:15	22.28	30.03	4640	○	○	○		○						
KS-10	6.15	01:04	37.46	29.89	9283	○	○	○		○						
KS-11		03:01	52.12	29.56	9753	○	○	○		○						
KS-12		04:53	37 -07.28	29.48	9758	○	○	○		○						
KS-13		08:45	36 -30.12	143 -09.92	7467	○	○	○								
KS-14		10:30	29.99	142 -49.92	9695	○	○	○								
KS-15		12:03	30.00	30.26	4272	○	○	○								ARGOS BUOY throw
KS-16		14:00	29.89	10.15	3228	○	○	○								

Station: D01D
Latitude:33-40.0N Longitude:137-25.00E Depth:5983m
Date:1997/5/18 Time:19:37

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	20.069	34.397	4.59	0.00	24.283	1521.03	
10	20.069	34.400	4.56	0.00	24.286	1521.16	
20	19.727	34.417	4.57	0.00	24.389	1520.40	
30	18.745	34.580	4.66	0.01	24.765	1517.97	
40	17.567	34.605	4.04	0.01	25.075	1514.73	
50	16.715	34.603	3.84	0.00	25.277	1512.34	
75	15.247	34.578	3.53	0.00	25.592	1508.20	
100	13.595	34.520	3.32	-0.00	25.900	1503.24	
125	12.208	34.449	3.23	-0.00	26.121	1498.94	
150	11.713	34.425	3.17	0.01	26.197	1497.63	
175	11.006	34.394	3.01	-0.00	26.303	1495.55	
200	9.947	34.340	2.91	0.00	26.445	1492.13	
250	7.776	34.223	2.64	0.00	26.697	1484.77	
300	7.093	34.232	2.35	0.00	26.801	1482.98	
400	5.983	34.250	1.91	0.00	26.962	1480.29	
500	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	

Station: D02
Latitude:33-35.30N Longitude:137-25.00E Depth:3066m
Date:1997/5/18 Time:21:12

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	19.927	34.369	4.56	0.00	24.300	1520.60	
10	19.741	34.368	4.58	0.00	24.347	1520.22	
20	19.000	34.423	5.11	0.00	24.580	1518.35	
30	17.981	34.552	4.11	0.00	24.933	1515.72	
40	16.768	34.579	3.76	0.00	25.246	1512.31	
50	16.164	34.601	3.61	0.00	25.403	1510.67	
75	14.940	34.567	3.41	0.01	25.652	1507.22	
100	13.428	34.512	3.23	0.02	25.928	1502.69	
125	11.534	34.420	3.13	0.00	26.226	1496.59	
150	10.651	34.367	3.03	0.00	26.345	1493.85	
175	9.950	34.328	2.93	-0.00	26.435	1491.71	
200	9.588	34.311	2.86	0.01	26.483	1490.79	
250	8.641	34.268	2.69	0.01	26.601	1488.08	
300	7.220	34.224	2.39	0.00	26.777	1483.46	
400	5.901	34.229	1.92	0.00	26.956	1479.94	
500	5.052	34.278	1.60	0.00	27.097	1478.23	

Station: D03
Latitude:33-30.24N Longitude:137-24.98E Depth:5189m
Date:1997/5/18 Time:22:51

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	19.779	34.388	4.60	0.00	24.353	1520.21	
10	19.579	34.405	4.72	0.00	24.418	1519.80	
20	18.797	34.509	4.55	0.00	24.698	1517.87	
30	18.133	34.540	4.22	0.00	24.887	1516.15	
40	16.557	34.599	3.70	0.00	25.311	1511.70	
50	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
75	14.491	34.551	3.59	0.01	25.736	1505.77	
100	13.667	34.520	3.52	0.00	25.885	1503.48	
125	12.350	34.459	3.19	0.00	26.102	1499.43	
150	11.360	34.415	3.01	0.00	26.255	1496.39	
175	10.386	34.367	2.89	0.00	26.391	1493.32	
200	9.272	34.287	2.86	0.00	26.516	1489.61	
250	8.175	34.259	2.61	0.01	26.665	1486.32	
300	7.579	34.251	2.42	0.00	26.747	1484.88	
400	6.127	34.246	1.97	0.00	26.941	1480.86	
500	5.053	34.268	1.58	0.00	27.088	1478.22	

Station: D04
Latitude:33-25.09N Longitude:137-25.16E Depth:3616m
Date:1997/5/19 Time:00:31

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	20.537	34.024	4.77	0.00	23.875	1521.90	
10	19.959	34.413	4.77	0.01	24.325	1520.87	
20	19.310	34.435	5.79	0.01	24.510	1519.25	
30	17.713	34.541	4.33	0.00	24.991	1514.92	
40	16.440	34.542	3.70	0.00	25.294	1511.27	
50	15.476	34.540	3.58	0.00	25.512	1508.46	
75	14.421	34.537	3.49	0.01	25.740	1505.53	
100	12.345	34.471	3.32	0.03	26.112	1499.02	
125	11.444	34.416	3.23	0.00	26.239	1496.28	
150	10.439	34.363	3.00	0.00	26.379	1493.10	
175	9.862	34.331	2.92	0.00	26.453	1491.40	
200	9.373	34.300	2.87	0.00	26.510	1490.00	
250	8.560	34.283	2.65	0.00	26.620	1487.80	
300	7.837	34.263	2.45	0.00	26.719	1485.87	
400	6.178	34.241	1.99	0.00	26.931	1481.06	
500	5.299	34.269	1.65	0.00	27.061	1479.22	

Station: D05
Latitude:33-20.15N Longitude:137-25.32E Depth:4035m
Date:1997/5/19 Time:02:13

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	19.733	33.785	4.65	0.00	23.905	1519.40	
10	19.477	33.854	4.70	0.00	24.023	1518.90	
20	18.869	33.975	4.62	0.00	24.271	1517.47	
30	18.708	34.296	4.56	0.00	24.557	1517.54	
40	18.174	34.356	4.25	0.00	24.736	1516.23	
50	17.697	34.460	4.03	0.00	24.932	1515.11	
75	16.423	34.578	3.75	0.00	25.326	1511.85	
100	14.431	34.543	3.56	0.01	25.743	1505.98	
125	13.276	34.489	3.34	0.01	25.941	1502.57	
150	12.101	34.442	3.13	0.00	26.137	1498.98	
175	10.845	34.386	3.00	0.00	26.325	1494.97	
200	9.308	34.294	2.87	0.00	26.516	1489.75	
250	8.694	34.284	2.67	0.01	26.606	1488.30	
300	7.886	34.261	2.50	0.00	26.711	1486.06	
400	6.815	34.240	2.20	0.00	26.845	1483.56	
500	5.780	34.249	1.81	0.00	26.987	1481.13	

Station: D06
Latitude:33-14.94N Longitude:137-25.98E Depth:4112m
Date:1997/5/19 Time:04:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	23.702	34.566	3.90	0.00	23.400	1530.78	
10	23.704	34.566	3.90	0.00	23.400	1530.92	
20	23.141	34.562	3.96	0.00	23.561	1529.66	
30	22.156	34.559	4.07	0.00	23.839	1527.29	
40	21.479	34.573	4.18	0.00	24.038	1525.68	
50	20.772	34.566	4.05	0.00	24.225	1523.94	
75	19.192	34.611	3.89	0.01	24.675	1520.03	
100	17.676	34.595	3.82	0.00	25.041	1516.04	
125	16.273	34.589	3.72	0.00	25.369	1512.23	
150	15.790	34.621	3.60	0.00	25.504	1511.19	
175	14.723	34.571	3.49	0.01	25.701	1508.19	
200	12.957	34.497	3.25	0.01	26.012	1502.76	
250	11.676	34.427	3.12	0.01	26.205	1499.15	
300	9.140	34.296	2.80	0.00	26.545	1490.79	
400	7.052	34.242	2.29	0.00	26.814	1484.48	
500	5.822	34.244	1.86	0.00	26.978	1481.29	

Station: D07
Latitude:33-32.86N Longitude:137-30.12E Depth:3938
Date:1997/5/19 Time:09:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	20.183	34.446	4.52	0.00	24.291	1521.40	
10	20.070	34.437	4.53	0.01	24.314	1521.20	
20	19.363	34.538	4.72	0.01	24.575	1519.51	
30	18.116	34.579	4.35	0.00	24.921	1516.15	
40	17.172	34.599	3.93	0.00	25.165	1513.55	
50	16.329	34.616	3.72	0.00	25.377	1511.19	
75	14.414	34.549	3.38	0.00	25.751	1505.52	
100	13.164	34.497	3.24	0.00	25.970	1501.79	
125	11.805	34.434	3.15	0.00	26.187	1497.55	
150	11.076	34.393	3.06	0.00	26.289	1495.38	
175	10.526	34.365	3.00	0.00	26.366	1493.82	
200	9.876	34.319	2.97	0.00	26.441	1491.85	
250	8.204	34.256	2.64	0.00	26.659	1486.43	
300	7.238	34.216	2.43	0.00	26.768	1483.52	
400	5.859	34.253	1.89	0.00	26.980	1479.81	
500	4.836	34.285	1.53	0.00	27.127	1477.35	

Station: D08
Latitude:33-27.71N Longitude:137-30.13E Depth:3894
Date:1997/5/19 Time:11:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	20.114	34.390	4.49	0.00	24.267	1521.14	
10	19.723	34.478	4.85	0.02	24.436	1520.29	
20	18.579	34.513	4.53	0.01	24.755	1517.25	
30	17.512	34.562	4.01	0.02	25.056	1514.35	
40	16.973	34.577	3.84	0.01	25.196	1512.93	
50	16.189	34.595	3.62	0.01	25.393	1510.73	
75	15.112	34.575	3.47	0.00	25.620	1507.77	
100	13.959	34.533	3.38	0.00	25.835	1504.45	
125	12.786	34.486	3.33	0.00	26.037	1500.93	
150	12.184	34.453	3.16	0.00	26.129	1499.28	
175	10.742	34.390	2.94	0.00	26.347	1494.61	
200	9.736	34.314	2.89	0.00	26.461	1491.34	
250	8.772	34.284	2.72	0.00	26.594	1488.59	
300	7.828	34.256	2.50	0.00	26.715	1485.83	
400	6.084	34.231	2.04	0.00	26.934	1480.67	
500	5.294	34.270	1.70	0.00	27.063	1479.20	

Station: D09

Latitude:33-23.68N Longitude:137-30.11E Depth:3956

Date:1997/5/19 Time:12:25

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	19.592	34.399	4.81	0.00	24.409	1519.70	
10	19.594	34.396	4.80	0.00	24.407	1519.83	
20	19.538	34.414	4.89	0.00	24.435	1519.86	
30	19.183	34.463	5.16	0.00	24.564	1519.08	
40	18.180	34.562	4.30	0.00	24.892	1516.48	
50	17.565	34.574	4.14	-0.00	25.052	1514.86	
75	15.659	34.591	3.75	0.01	25.510	1509.51	
100	14.518	34.565	3.65	0.00	25.741	1506.29	
125	13.110	34.507	3.41	0.00	25.989	1502.04	
150	12.371	34.460	3.35	0.00	26.098	1499.92	
175	11.667	34.412	3.34	0.01	26.195	1497.87	
200	11.070	34.395	3.20	0.00	26.292	1496.19	
250	9.348	34.304	2.99	0.01	26.517	1490.74	
300	8.405	34.286	2.71	0.00	26.652	1488.05	
400	6.519	34.249	2.21	0.00	26.892	1482.41	
500	5.571	34.261	1.87	0.00	27.022	1480.30	

Station: D10

Latitude:33-18.09N Longitude:137-30.19E Depth:3999

Date:1997/5/19 Time:13:40

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	20.167	34.015	4.66	0.00	23.967	1520.87	
10	20.224	34.049	4.62	0.00	23.977	1521.20	
20	19.971	34.105	4.69	0.00	24.087	1520.73	
30	19.541	34.220	4.66	0.00	24.286	1519.82	
40	18.868	34.290	4.55	0.00	24.512	1518.16	
50	18.277	34.422	4.64	0.00	24.761	1516.77	
75	16.916	34.606	4.01	0.00	25.232	1513.37	
100	15.844	34.585	3.76	0.00	25.464	1510.49	
125	14.789	34.569	3.63	0.01	25.686	1507.57	
150	13.699	34.529	3.53	0.00	25.886	1504.42	
175	12.614	34.472	3.40	0.00	26.060	1501.17	
200	11.675	34.430	3.32	0.01	26.208	1498.33	
250	10.362	34.364	3.10	0.01	26.393	1494.47	
300	8.836	34.294	2.83	-0.00	26.591	1489.66	
400	7.153	34.247	2.40	0.00	26.804	1484.88	
500	6.025	34.232	2.00	0.00	26.943	1482.08	

Station: D11

Latitude:33-12.86N Longitude:137-30.22E Depth:4030

Date:1997/5/19 Time:15:20

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	23.448	34.538	4.02	0.00	23.454	1530.12	
10	23.451	34.539	4.04	0.01	23.454	1530.26	
20	23.466	34.541	4.05	0.01	23.451	1530.46	
30	22.848	34.553	4.12	0.01	23.638	1529.07	
40	22.042	34.409	4.17	0.00	23.757	1526.99	
50	21.828	34.603	3.85	0.00	23.964	1526.81	
75	20.136	34.662	3.90	0.01	24.468	1522.72	
100	18.408	34.606	4.01	0.01	24.869	1518.19	
125	16.849	34.582	3.91	0.00	25.229	1513.97	
150	16.228	34.605	3.81	0.00	25.392	1512.52	
175	14.880	34.567	3.70	0.00	25.664	1508.69	
200	14.160	34.555	3.56	0.00	25.809	1506.78	
250	12.165	34.458	3.45	0.00	26.136	1500.87	
300	10.136	34.349	3.06	0.00	26.420	1494.47	
400	7.716	34.263	2.54	0.00	26.737	1487.06	
500	6.152	34.244	2.05	0.00	26.936	1482.60	

Station: D12

Latitude:33-07.92N Longitude:137-30.36E Depth:3916m

Date:1997/5/19 Time:16:49

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
4	23.450	34.544	4.03	0.00	23.458	1530.16	
10	23.443	34.543	4.05	0.00	23.459	1530.24	
20	23.443	34.542	4.06	0.00	23.458	1530.41	
30	23.137	34.534	4.09	0.00	23.541	1529.79	
40	22.778	34.583	3.98	0.01	23.681	1529.09	
50	22.216	34.532	3.96	0.02	23.802	1527.75	
75	21.032	34.465	4.08	0.01	24.078	1524.95	
100	19.861	34.519	4.04	0.00	24.431	1522.22	
125	19.034	34.792	3.72	0.01	24.854	1520.61	
150	17.937	34.729	3.75	0.01	25.080	1517.79	
175	16.777	34.691	3.80	0.01	25.330	1514.71	
200	15.643	34.625	3.70	0.00	25.540	1511.57	
250	14.727	34.603	3.64	0.00	25.725	1509.49	
300	13.167	34.520	3.49	0.00	25.927	1506.13	
400	9.058	34.334	2.78	0.00	26.588	1492.18	
500	6.964	34.288	2.26	0.00	26.863	1485.85	

Station: D13

Latitude:33-04.09N Longitude:137-43.51E Depth:3160m

Date:1997/5/19 Time:18:44

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
4	23.602	34.562	4.02	0.00	23.427	1530.56	
10	23.600	34.563	4.02	0.00	23.428	1530.66	
20	23.602	34.563	4.03	0.00	23.427	1530.83	
30	23.586	34.561	4.03	0.00	23.431	1530.95	
40	23.032	34.609	4.05	0.01	23.628	1529.77	
50	22.489	34.663	3.84	-0.00	23.824	1528.60	
75	21.533	34.758	3.92	0.00	24.164	1526.62	
100	19.540	34.399	4.03	0.00	24.423	1521.19	
125	19.052	34.629	3.82	0.01	24.724	1520.48	
150	18.644	34.821	3.80	0.01	24.975	1519.95	
175	17.656	34.729	3.75	0.00	25.149	1517.38	
200	17.289	34.779	3.85	0.00	25.275	1516.76	
250	15.692	34.629	3.69	0.00	25.532	1512.56	
300	13.917	34.539	3.52	0.00	25.848	1507.63	
400	9.926	34.362	2.89	0.00	26.466	1495.38	
500	7.495	34.229	2.50	0.00	26.742	1487.82	

Station: D14

Latitude:33-08.92N Longitude:137-44.11E Depth:3360m

Date:1997/5/19 Time:20:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
5	23.302	34.551	4.01	0.00	23.506	1529.81	
10	23.319	34.550	4.02	0.01	23.500	1529.93	
20	23.320	34.550	4.03	0.01	23.500	1530.11	
30	23.018	34.551	4.04	0.01	23.588	1529.51	
40	22.549	34.572	3.94	0.00	23.738	1528.49	
50	21.888	34.472	3.99	0.00	23.848	1526.82	
75	20.818	34.641	3.79	0.01	24.270	1524.57	
100	19.673	34.714	3.79	0.00	24.629	1521.91	
125	17.950	34.594	4.06	0.00	24.973	1517.26	
150	16.686	34.617	3.89	0.00	25.294	1513.93	
175	16.183	34.612	3.84	0.00	25.407	1512.81	
200	15.618	34.642	3.75	0.00	25.559	1511.51	
250	13.144	34.509	3.62	0.00	25.984	1504.22	
300	11.343	34.416	3.20	0.00	26.258	1498.81	
400	7.676	34.251	2.55	0.00	26.733	1486.89	
500	6.339	34.249	2.10	0.00	26.916	1483.35	

Station: D15

Latitude:33-13.81N Longitude:137-44.33E Depth:3842m

Date:1997/5/19 Time:23:37

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
5	22.975	34.521	4.07	0.00	23.577	1528.95	
10	22.978	34.521	4.10	0.00	23.577	1529.04	
20	22.961	34.519	4.09	0.00	23.580	1529.16	
30	22.665	34.500	4.13	0.00	23.650	1528.55	
40	21.497	34.502	4.27	0.01	23.979	1525.65	
50	19.366	34.117	4.52	0.02	24.252	1519.55	
75	18.989	34.568	4.19	0.01	24.694	1519.40	
100	16.715	34.590	3.92	0.00	25.267	1513.16	
125	15.720	34.577	3.80	0.01	25.486	1510.51	
150	14.240	34.553	3.67	0.02	25.791	1506.21	
175	13.195	34.508	3.58	0.00	25.973	1503.15	
200	12.399	34.463	3.47	0.00	26.095	1500.84	
250	10.309	34.361	3.13	0.00	26.400	1494.28	
300	9.319	34.310	2.93	0.00	26.526	1491.46	
400	7.528	34.253	2.47	0.00	26.756	1486.33	
500	6.063	34.243	2.00	0.00	26.947	1482.25	

Station: D16

Latitude:33-18.92N Longitude:137-44.01E Depth:6899m

Date:1997/5/20 Time:01:42

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	19.710	33.994	4.81	0.00	24.070	1519.63	
10	19.697	34.001	4.76	0.00	24.079	1519.68	
20	19.246	34.407	5.16	0.00	24.505	1519.03	
30	19.037	34.480	4.91	0.00	24.614	1518.69	
40	18.667	34.542	4.74	0.00	24.755	1517.87	
50	17.449	34.587	4.08	0.00	25.090	1514.53	
75	15.890	34.591	3.78	0.00	25.458	1510.22	
100	14.527	34.567	3.59	0.00	25.741	1506.32	
125	13.635	34.529	3.61	0.01	25.899	1503.80	
150	12.910	34.498	3.58	0.01	26.022	1501.78	
175	11.750	34.412	3.38	0.00	26.180	1498.15	
200	11.402	34.393	3.31	-0.00	26.230	1497.34	
250	9.607	34.310	3.02	0.01	26.479	1491.69	
300	8.690	34.291	2.75	0.00	26.612	1489.12	
400	7.001	34.254	2.29	0.00	26.831	1484.30	
500	5.611	34.248	1.84	0.00	27.007	1480.45	

Station: D17
Latitude:33-23.92N Longitude:137-43.00E Depth:9783m
Date:1997/5/20 Time:03:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
5	19.903	34.387	4.63	0.00	24.319	1520.60	
10	19.895	34.390	4.61	0.00	24.324	1520.67	
20	19.438	34.413	4.95	0.00	24.460	1519.58	
30	18.040	34.520	4.27	0.00	24.894	1515.86	
40	17.296	34.563	3.94	0.00	25.108	1513.88	
50	16.728	34.583	3.87	0.00	25.258	1512.36	
75	15.696	34.595	3.68	0.00	25.505	1509.63	
100	14.955	34.573	3.59	0.01	25.652	1507.69	
125	14.145	34.545	3.47	0.02	25.805	1505.48	
150	12.479	34.475	3.34	0.01	26.089	1500.30	
175	11.154	34.408	3.12	0.00	26.287	1496.08	
200	10.402	34.360	3.12	0.00	26.383	1493.78	
250	9.135	34.305	2.91	0.01	26.552	1489.95	
300	7.900	34.252	2.67	0.01	26.701	1486.10	
400	6.265	34.217	2.20	0.00	26.900	1481.37	
500	5.328	34.265	1.77	0.00	27.054	1479.33	

Station: D18
Latitude:33-28.88N Longitude:137-43.94E Depth:4013m
Date:1997/5/20 Time:04:47

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
7	19.864	34.453	4.64	0.00	24.380	1520.60	
10	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
20	19.696	34.427	4.68	0.00	24.404	1520.32	
30	19.544	34.432	4.76	0.01	24.448	1520.07	
40	18.070	34.527	4.38	0.01	24.893	1516.12	
50	16.314	34.598	3.81	0.01	25.366	1511.12	
75	14.943	34.577	3.55	0.01	25.658	1507.24	
100	13.886	34.535	3.43	0.00	25.852	1504.21	
125	13.115	34.503	3.35	0.02	25.985	1502.05	
150	12.164	34.463	3.22	0.01	26.140	1499.22	
175	11.322	34.422	3.10	0.02	26.267	1496.68	
200	10.818	34.397	3.05	0.01	26.339	1495.30	
250	9.286	34.328	2.84	-0.00	26.546	1490.54	
300	7.646	34.282	2.48	0.00	26.762	1485.17	
400	5.740	34.206	2.06	0.00	26.958	1479.27	
500	5.081	34.283	1.69	0.00	27.098	1478.35	

Station: D19
Latitude:33-25.40N Longitude:138-30.43E Depth:4297m
Date:1997/5/20 Time:08:50

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
8	22.737	34.483	4.13	0.00	23.617	1528.34	
10	22.742	34.483	4.13	0.00	23.616	1528.39	
20	21.902	34.436	4.25	0.00	23.817	1526.32	
30	21.517	34.515	4.31	0.00	23.983	1525.55	
40	18.711	33.875	4.65	0.01	24.234	1517.24	
50	19.683	34.564	4.25	0.02	24.512	1520.94	
75	17.347	34.600	4.02	0.01	25.124	1514.65	
100	15.858	34.586	3.78	0.00	25.462	1510.53	
125	14.671	34.561	3.64	0.00	25.705	1507.19	
150	13.745	34.534	3.51	0.00	25.880	1504.58	
175	13.400	34.517	3.46	0.00	25.938	1503.84	
200	12.529	34.485	3.38	0.00	26.087	1501.31	
250	9.977	34.350	3.04	0.00	26.448	1493.07	
300	8.458	34.238	2.88	0.00	26.606	1488.18	

Station: D20
Latitude:33-29.90N Longitude:138-30.21E Depth:3505m
Date:1997/5/20 Time:09:54

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	20.143	34.158	4.76	0.00	24.082	1521.03	
10	20.023	34.175	4.79	0.00	24.127	1520.78	
20	19.467	34.396	4.94	0.00	24.440	1519.64	
30	18.573	34.527	4.59	0.00	24.767	1517.41	
40	17.594	34.579	4.10	0.00	25.048	1514.78	
50	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
75	15.571	34.583	3.71	0.00	25.524	1509.22	
100	14.096	34.554	3.50	-0.00	25.822	1504.92	
125	13.301	34.513	3.46	0.01	25.955	1502.68	
150	12.919	34.494	3.38	0.01	26.017	1501.80	
175	11.338	34.432	3.14	0.01	26.272	1496.75	
200	9.885	34.366	2.89	0.00	26.476	1491.94	
250	8.743	34.291	2.81	0.01	26.604	1488.49	
300	7.800	34.265	2.60	0.01	26.726	1485.74	

Station: D21
Latitude:33-34.99N Longitude:138-29.92E Depth:2761m
Date:1997/5/20 Time:10:53

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	19.899	34.242	4.95	0.00	24.210	1520.45	
10	19.895	34.249	4.96	0.00	24.217	1520.51	
20	17.965	34.549	4.28	0.00	24.935	1515.51	
30	16.778	34.593	4.00	0.00	25.254	1512.19	
40	15.959	34.589	3.82	0.00	25.441	1509.85	
50	14.956	34.573	3.68	0.00	25.652	1506.87	
75	13.368	34.518	3.44	0.00	25.945	1502.08	
100	12.966	34.497	3.39	0.00	26.010	1501.14	
125	12.350	34.469	3.32	0.00	26.109	1499.45	
150	11.536	34.428	3.21	0.00	26.232	1497.02	
175	10.290	34.370	3.05	0.01	26.410	1492.99	
200	9.492	34.319	2.99	0.01	26.505	1490.45	
250	8.200	34.260	2.77	0.00	26.662	1486.42	
300	7.193	34.221	2.57	0.00	26.778	1483.35	

Station: D22
Latitude:33-40.02N Longitude:138-29.96E Depth:2415m
Date:1997/5/20 Time:11:54

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	20.225	34.212	4.77	0.00	24.102	1521.32	
10	20.015	34.234	4.73	0.00	24.173	1520.83	
20	18.089	34.413	4.35	0.00	24.801	1515.71	
30	17.057	34.569	4.05	0.00	25.170	1513.00	
40	16.419	34.584	3.79	0.00	25.331	1511.26	
50	15.385	34.546	3.73	0.00	25.537	1508.19	
75	13.888	34.514	3.55	0.00	25.834	1503.78	
100	12.221	34.459	3.27	0.00	26.127	1498.58	
125	11.499	34.423	3.23	0.00	26.235	1496.48	
150	10.547	34.370	3.12	-0.00	26.366	1493.49	
175	9.948	34.341	3.03	0.01	26.446	1491.72	
200	9.313	34.305	2.97	0.02	26.524	1489.78	
250	8.295	34.276	2.72	0.01	26.661	1486.80	
300	7.083	34.201	2.62	0.00	26.778	1482.91	

Station: D23
Latitude:33-45.11N Longitude:138-29.81E Depth:1361m
Date:1997/5/20 Time:12:52

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	19.346	34.416	4.98	0.00	24.486	1519.09	
10	19.243	34.446	4.94	0.00	24.535	1518.90	
20	18.510	34.575	4.65	0.00	24.820	1517.12	
30	17.277	34.600	4.09	0.00	25.141	1513.70	
40	15.853	34.601	3.78	0.00	25.474	1509.54	
50	15.297	34.583	3.70	0.00	25.585	1507.95	
75	14.458	34.561	3.53	0.00	25.751	1505.68	
100	13.311	34.509	3.37	0.00	25.950	1502.30	
125	12.534	34.476	3.38	0.00	26.079	1500.07	
150	10.992	34.409	3.08	0.00	26.317	1495.10	
175	9.922	34.350	2.98	0.01	26.457	1491.64	
200	9.257	34.302	2.97	0.01	26.530	1489.58	
250	8.081	34.232	2.78	0.02	26.659	1485.94	
300	6.951	34.207	2.54	0.00	26.801	1482.40	

Station: D24
Latitude:33-25.30 Longitude:138-30.20E depth:3505m
Date:1997/5/20 Time:18:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	19.714	34.118	5.32	0.00	24.164	1519.79	
10	19.564	34.310	5.09	0.00	24.349	1519.65	
20	19.236	34.441	4.91	0.00	24.534	1519.04	
30	18.809	34.493	4.78	0.00	24.682	1518.05	
40	18.552	34.514	4.56	0.00	24.763	1517.51	
50	18.056	34.568	4.39	0.00	24.927	1516.29	
75	16.437	34.600	3.88	0.00	25.339	1511.91	
100	15.384	34.575	3.74	0.01	25.560	1509.04	
125	13.704	34.508	3.59	0.00	25.868	1504.00	
150	11.951	34.442	3.29	0.00	26.165	1498.47	
175	10.793	34.384	3.13	0.00	26.333	1494.79	
200	9.406	34.336	2.88	0.01	26.533	1490.16	
250	8.213	34.251	2.78	0.01	26.654	1486.46	
300	7.786	34.265	2.61	0.00	26.728	1485.68	
400	6.520	34.237	2.26	0.00	26.883	1482.40	
500	5.517	34.243	1.87	0.00	27.014	1480.06	

Station: D26
Latitude:33-29.83 Longitude:138-29.97E depth:3518m
Date:1997/5/20 Time:20:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	19.653	34.242	4.73	0.00	24.274	1519.78	
10	19.650	34.251	4.71	0.00	24.281	1519.83	
20	19.063	34.268	4.89	0.00	24.446	1518.36	
30	17.020	34.530	3.98	0.00	25.149	1512.85	
40	16.221	34.526	3.85	0.00	25.332	1510.59	
50	15.665	34.556	3.74	0.00	25.482	1509.07	
75	13.419	34.496	3.43	0.00	25.918	1502.22	
100	12.295	34.456	3.30	0.00	26.110	1498.83	
125	11.297	34.413	3.19	0.00	26.264	1495.76	
150	10.715	34.377	3.08	0.01	26.341	1494.09	
175	9.412	34.319	2.94	0.02	26.519	1489.75	
200	8.989	34.318	2.78	0.01	26.586	1488.61	
250	8.128	34.247	2.75	0.00	26.664	1486.13	
300	7.510	34.254	2.53	0.01	26.759	1484.62	
400	6.337	34.248	2.12	0.00	26.915	1481.70	
500	5.380	34.269	1.75	0.00	27.051	1479.54	

Station: D27
Latitude:33-35.08 Longitude:138-30.03E depth:2774m
Date:1997/5/20 Time:21:27

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	18.919	34.235	4.97	0.00	24.457	1517.69	
10	18.868	34.248	4.85	0.00	24.480	1517.61	
20	17.260	34.555	4.14	0.00	25.111	1513.43	
30	16.236	34.579	3.86	0.00	25.370	1510.53	
40	15.042	34.534	3.65	0.00	25.604	1506.93	
50	13.925	34.508	3.50	0.00	25.822	1503.48	
75	12.309	34.464	3.29	0.00	26.114	1498.47	
100	11.867	34.443	3.23	0.00	26.182	1497.36	
125	10.955	34.406	3.13	0.00	26.321	1494.56	
150	9.722	34.357	2.88	0.00	26.496	1490.52	
175	8.818	34.261	2.93	0.00	26.568	1487.49	
200	8.589	34.287	2.76	0.00	26.625	1487.09	
250	7.839	34.266	2.61	0.01	26.721	1485.06	
300	6.935	34.240	2.40	0.02	26.829	1482.38	
400	5.968	34.252	2.03	0.01	26.966	1480.24	
500	5.113	34.271	1.69	0.01	27.084	1478.47	

Station: D28
Latitude:33-39.98 Longitude:138-29.97E depth:2402m
Date:1997/5/20 Time:22:56

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	19.369	34.331	4.98	0.00	24.416	1519.05	
10	19.241	34.359	4.91	0.00	24.470	1518.80	
20	18.631	34.486	4.39	0.00	24.721	1517.37	
30	15.710	34.540	3.70	0.00	25.459	1508.86	
40	15.013	34.566	3.62	0.00	25.634	1506.87	
50	14.250	34.550	3.57	0.00	25.786	1504.58	
75	13.107	34.508	3.37	0.00	25.991	1501.21	
100	11.986	34.455	3.24	0.00	26.168	1497.77	
125	11.011	34.407	3.11	0.00	26.312	1494.75	
150	9.643	34.329	2.97	0.00	26.488	1490.19	
175	9.353	34.311	2.93	0.00	26.522	1489.53	
200	8.750	34.287	2.85	0.00	26.599	1487.69	
250	7.548	34.231	2.65	-0.00	26.736	1483.91	
300	6.842	34.227	2.40	0.01	26.831	1482.00	
400	5.728	34.259	1.92	0.01	27.001	1479.29	
500	4.845	34.261	1.59	0.01	27.107	1477.36	

Station: D29
Latitude:34-10.13N Longitude:138-30.01E depth:4300m
Date:1997/5/21 Time:20:14

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	18.664	34.476	4.98	0.00	24.705	1517.20	
10	18.643	34.476	4.93	0.00	24.711	1517.22	
20	18.659	34.477	4.91	0.00	24.708	1517.44	
30	18.623	34.475	4.89	0.00	24.715	1517.50	
40	18.556	34.475	4.83	0.00	24.732	1517.47	
50	18.377	34.491	4.54	0.00	24.789	1517.14	
75	15.498	34.592	3.72	0.00	25.547	1509.01	
100	13.921	34.535	3.54	0.00	25.844	1504.33	
125	12.756	34.479	3.51	0.03	26.038	1500.83	
150	11.605	34.426	3.48	0.01	26.218	1497.26	
175	10.549	34.368	3.28	0.00	26.363	1493.90	
200	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	

Station: D30
Latitude:34-00.27N Longitude:138-30.17E depth:3575m
Date:1997/5/21 Time:21:53

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.164	34.483	4.68	0.00	24.585	1518.65	
10	19.161	34.483	4.66	0.00	24.585	1518.71	
20	18.675	34.490	4.56	0.00	24.713	1517.50	
30	16.798	34.586	3.94	0.00	25.244	1512.24	
40	15.867	34.573	3.75	0.00	25.449	1509.55	
50	14.778	34.574	3.56	0.00	25.692	1506.30	
75	12.668	34.483	3.33	0.00	26.058	1499.71	
100	11.653	34.428	3.24	0.00	26.210	1496.60	
125	10.928	34.392	3.16	0.00	26.315	1494.45	
150	10.442	34.368	3.09	0.00	26.383	1493.11	
175	8.915	34.298	2.86	0.00	26.582	1487.90	
200	8.711	34.284	2.85	-0.00	26.603	1487.54	

Station: D31
Latitude:33-50.21N Longitude:138-29.87E depth:2518m
Date:1997/5/21 Time:23:25

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	18.733	34.478	4.59	0.00	24.689	1517.42	
10	18.838	34.469	4.58	0.00	24.656	1517.77	
20	16.398	34.579	3.85	0.00	25.332	1510.86	
30	15.671	34.588	3.66	0.00	25.505	1508.79	
40	13.764	34.531	3.52	0.00	25.874	1502.82	
50	13.259	34.492	3.45	0.00	25.947	1501.28	
75	12.023	34.450	3.25	0.00	26.158	1497.48	
100	11.739	34.440	3.22	0.00	26.203	1496.91	
125	10.881	34.401	3.07	0.00	26.330	1494.29	
150	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
175	9.409	34.313	2.95	0.00	26.514	1489.74	
200	8.528	34.283	2.77	0.01	26.631	1486.85	

Station: D32
Latitude:33-40.11N Longitude:138-30.00E depth:2518m
Date:1997/5/22 Time:01:03

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.141	34.321	4.88	0.01	24.467	1518.41	
10	19.141	34.322	4.87	0.01	24.467	1518.47	
20	17.589	34.461	4.31	0.01	24.960	1514.30	
30	16.777	34.560	3.94	0.01	25.229	1512.15	
40	16.028	34.600	3.75	0.01	25.433	1510.08	
50	15.255	34.583	3.63	0.00	25.594	1507.82	
75	14.311	34.555	3.52	0.00	25.777	1505.20	
100	12.532	34.474	3.34	0.02	26.078	1499.65	
125	11.225	34.412	3.15	0.01	26.276	1495.51	
150	10.486	34.378	3.04	0.00	26.383	1493.28	
175	9.453	34.334	2.86	0.00	26.523	1489.92	
200	8.554	34.254	2.85	0.00	26.604	1486.92	

Station: D33
Latitude:33-30.26N Longitude:138-30.02E depth:3507m
Date:1997/5/22 Time:03:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.677	34.335	4.50	0.00	24.339	1519.93	
10	19.679	34.336	4.51	0.00	24.339	1520.01	
20	19.680	34.338	4.52	0.01	24.340	1520.18	
30	19.656	34.340	4.55	0.01	24.348	1520.28	
40	19.271	34.411	4.61	0.01	24.502	1519.44	
50	17.813	34.541	4.28	0.01	24.966	1515.55	
75	15.622	34.590	3.65	0.00	25.518	1509.39	
100	14.634	34.563	3.58	0.00	25.714	1506.66	
125	13.452	34.523	3.43	0.01	25.932	1503.19	
150	12.534	34.475	3.27	0.01	26.078	1500.49	
175	11.376	34.427	3.11	0.01	26.261	1496.88	
200	10.268	34.362	-0.00	0.01	26.408	1493.31	

Station: C01
latitude:39-59.98N Longitude:144-49.71E depth:5832m
Date:1997/5/24 Time:21:55

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	9.243	33.638	6.38	0.00	26.013	1485.52	
10	9.204	33.643	6.40	0.00	26.023	1485.45	
20	8.947	33.628	6.45	0.00	26.052	1484.64	
30	8.889	33.642	6.44	0.00	26.072	1484.61	
40	8.212	33.764	6.53	0.00	26.272	1482.40	
50	7.753	33.793	6.30	0.00	26.362	1480.86	
75	7.476	33.890	6.09	0.00	26.478	1480.33	
100	7.633	33.952	5.94	0.00	26.505	1481.42	
125	7.379	33.921	5.91	0.00	26.516	1480.82	
150	6.866	33.846	6.00	0.00	26.528	1479.15	
175	6.546	33.797	6.06	0.00	26.532	1478.25	
200	6.233	33.751	6.08	0.00	26.536	1477.37	
250	5.453	33.649	6.08	0.00	26.552	1474.94	
300	4.352	33.530	6.10	0.00	26.580	1471.10	
400	2.517	33.457	4.82	0.02	26.694	1464.86	
500	2.329	33.538	3.69	0.00	26.774	1465.78	
600	3.187	33.831	2.11	0.00	26.935	1471.52	
700	3.277	33.993	1.09	0.00	27.056	1473.76	
800	3.296	34.124	0.58	0.00	27.158	1475.66	
1000	3.234	34.310	0.71	0.00	27.312	1478.95	

Station: P2
latitude:41-39.28N Longitude:146-12.87E depth:6500m
Date:1997/5/26 Time:03:25

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	5.627	32.953	7.69	0.00	25.980	1470.83	
10	5.627	32.953	7.69	0.00	25.980	1470.83	
20	5.127	32.977	7.47	0.00	26.057	1469.00	
30	2.954	33.030	7.30	0.00	26.316	1460.14	
40	2.570	33.039	7.24	0.00	26.356	1458.66	
50	2.412	33.072	7.21	0.00	26.395	1458.18	
75	2.400	33.150	7.00	0.00	26.459	1458.64	
100	2.054	33.198	6.68	0.00	26.524	1457.59	
125	2.136	33.265	6.14	0.00	26.571	1458.45	
150	2.390	33.379	4.90	0.00	26.643	1460.12	
175	2.602	33.511	3.61	0.00	26.731	1461.61	
200	2.660	33.579	3.10	0.00	26.780	1462.36	
250	2.789	33.702	2.32	0.00	26.867	1463.90	
300	3.062	33.835	1.61	0.00	26.949	1466.06	
400	3.211	34.022	0.81	0.00	27.085	1468.58	
500	3.184	34.138	0.58	0.00	27.180	1470.26	
600	3.060	34.225	0.52	0.00	27.261	1471.49	
700	2.904	34.295	0.52	0.00	27.331	1472.56	
800	2.801	34.340	0.54	0.00	27.376	1473.82	
1000	2.535	34.423	0.65	0.00	27.465	1476.10	

Station: C02
latitude:40-20.00N Longitude:144-50.00E depth:6100m
Date:1997/5/25 Time:04:35

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	9.784	33.998	6.07	0.00	26.206	1487.93	
10	9.785	33.999	6.07	0.00	26.206	1488.00	
20	9.766	33.998	6.06	0.00	26.209	1488.10	
30	9.398	34.005	6.11	0.00	26.275	1486.93	
40	8.918	34.043	6.07	0.00	26.382	1485.38	
50	8.849	34.057	5.99	0.00	26.403	1485.30	
75	8.450	34.083	5.86	0.00	26.486	1484.26	
100	8.442	34.092	5.85	0.00	26.494	1484.65	
125	8.448	34.096	5.83	0.00	26.496	1485.09	
150	8.451	34.100	5.81	0.00	26.499	1485.52	
175	8.455	34.102	5.80	0.00	26.500	1485.95	
200	8.455	34.103	5.78	0.00	26.501	1486.36	
250	8.459	34.104	5.77	0.00	26.501	1487.20	
300	8.427	34.098	5.77	0.00	26.501	1487.90	
400	7.196	33.898	5.92	0.00	26.523	1484.61	
500	5.209	33.657	5.46	0.01	26.587	1478.07	
600	3.115	33.553	4.24	0.01	26.720	1470.85	
700	3.316	33.739	2.98	0.01	26.849	1473.59	
800	3.545	33.929	1.70	0.00	26.980	1476.46	
1000	3.257	34.183	0.66	0.00	27.210	1478.88	

Station: DN11
latitude:40-40.17N Longitude:144-09.85E depth:4833m
Date:1997/5/26 Time:03:58

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	9.694	33.951	6.11	0.00	26.184	1487.55	
10	9.694	33.951	6.07	0.00	26.184	1487.61	
20	9.697	33.951	6.03	0.00	26.184	1487.79	
30	9.556	33.965	6.03	0.00	26.218	1487.46	
40	8.831	33.990	6.16	0.00	26.354	1484.99	
50	8.351	33.961	6.07	0.00	26.405	1483.33	
75	8.164	33.986	5.97	0.00	26.453	1483.07	
100	8.286	34.050	5.89	0.00	26.485	1484.02	
125	8.326	34.072	5.83	0.00	26.496	1484.61	
150	8.417	34.093	5.81	0.00	26.499	1485.39	
175	8.415	34.095	5.77	0.00	26.501	1485.79	
200	8.429	34.098	5.77	0.00	26.501	1486.26	
250	8.436	34.099	5.75	0.00	26.501	1487.11	
300	8.424	34.096	5.75	0.00	26.500	1487.88	
400	8.126	34.043	5.78	0.00	26.503	1488.34	
500	5.939	33.728	5.59	0.01	26.555	1481.10	
600	3.524	33.587	4.27	0.01	26.709	1472.63	
700	2.946	33.660	3.16	0.00	26.820	1471.91	
800	3.795	33.943	1.82	0.00	26.966	1477.54	
1000	3.565	34.196	0.79	0.01	27.190	1480.21	

Station: C04
latitude:41-40.00N Longitude:144-50.02E depth:4749m
Date:1997/5/25 Time:17:00

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	5.985	32.809	7.58	0.00	25.823	1472.03	
10	5.986	32.810	7.57	0.00	25.824	1472.09	
20	6.025	32.819	7.51	0.00	25.827	1472.42	
30	3.854	32.776	8.00	0.00	26.032	1463.64	
40	3.091	32.788	7.82	0.00	26.111	1460.58	
50	4.553	33.061	7.15	0.00	26.187	1467.24	
75	3.476	33.157	6.78	0.00	26.371	1463.27	
100	3.358	33.245	6.57	0.00	26.452	1463.29	
125	4.653	33.464	6.10	0.00	26.496	1469.40	
150	4.477	33.498	5.97	0.00	26.542	1469.12	
175	4.304	33.510	5.86	0.00	26.570	1468.83	
200	3.647	33.441	5.97	0.00	26.581	1466.40	
250	3.420	33.448	5.72	0.00	26.608	1466.27	
300	2.950	33.426	5.51	0.00	26.633	1465.05	
400	2.945	33.599	3.89	0.00	26.771	1466.89	
500	3.405	34.007	1.39	0.00	27.055	1471.03	
600	3.313	34.204	0.72	0.00	27.221	1472.54	
700	3.169	34.251	0.62	-0.00	27.272	1473.64	
800	2.938	34.310	0.55	0.00	27.340	1474.38	
1000	2.832	34.373	0.63	0.01	27.400	1477.31	

Station: C05
latitude:40-40.20N Longitude:144-19.95E depth:6623m
Date:1997/5/26 Time:06:14

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	9.886	34.042	6.16	0.00	26.224	1488.37	
10	9.885	34.043	6.12	0.00	26.224	1488.42	
20	9.884	34.043	6.09	0.00	26.225	1488.58	
30	9.854	34.046	6.07	0.00	26.232	1488.64	
40	9.753	34.052	6.06	0.00	26.253	1488.44	
50	9.080	34.079	6.10	0.00	26.384	1486.19	
75	8.719	34.097	5.93	0.00	26.456	1485.28	
100	8.564	34.099	5.89	0.00	26.481	1485.12	
125	8.430	34.092	5.86	0.00	26.496	1485.02	
150	8.451	34.097	5.83	0.00	26.497	1485.52	
175	8.459	34.101	5.82	0.00	26.499	1485.96	
200	8.458	34.102	5.80	0.00	26.500	1486.37	
250	8.458	34.102	5.77	0.00	26.500	1487.19	
300	8.464	34.103	5.75	0.00	26.500	1488.04	
400	8.428	34.095	5.73	0.00	26.499	1489.54	
500	8.056	34.032	5.78	0.02	26.505	1489.71	
600	4.821	33.652	4.81	0.00	26.627	1478.13	
700	3.287	33.632	3.69	-0.00	26.767	1473.33	
800	3.597	33.319	2.56	0.00	26.887	1476.54	
1000	3.709	34.163	0.93	0.00	27.149	1480.77	

Station: DN12

latitude:40-40.00N Longitude:144-30.00E depth:6669m
Date:1997/5/26 Time:08:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	9.566	34.045	6.21	0.00	26.279	1487.20	
10	9.559	34.046	6.17	0.00	26.281	1487.24	
20	9.537	34.052	6.14	0.00	26.289	1487.33	
30	9.321	34.081	6.13	0.00	26.347	1486.74	
40	9.031	34.089	6.06	0.00	26.400	1485.85	
50	8.839	34.093	5.95	0.00	26.434	1485.31	
75	8.574	34.105	5.85	0.00	26.484	1484.75	
100	8.491	34.108	5.82	0.00	26.500	1484.86	
125	8.485	34.109	5.82	0.00	26.501	1485.25	
150	8.484	34.109	5.81	0.00	26.501	1485.65	
175	8.485	34.108	5.80	0.00	26.500	1486.07	
200	8.486	34.109	5.80	0.00	26.500	1486.48	
250	8.484	34.108	5.77	0.00	26.500	1487.30	
300	8.482	34.107	5.76	0.00	26.500	1488.11	
400	8.486	34.106	5.74	0.01	26.499	1489.78	
500	8.469	34.101	5.73	0.01	26.497	1491.35	
600	7.253	33.913	5.78	0.00	26.527	1488.14	
700	3.538	33.590	4.20	0.00	26.710	1474.34	
800	3.425	33.759	2.90	0.01	26.855	1475.73	
1000	3.703	34.106	1.03	0.01	27.105	1480.67	

Station: DN13

latitude:40-40.00N Longitude:144-40.00E depth:7019m
Date:1997/5/26 Time:10:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
10	9.657	34.060	6.09	0.00	26.275	1487.61	
10	9.657	34.060	6.09	0.00	26.275	1487.61	
20	9.645	34.064	6.04	0.00	26.280	1487.74	
30	9.544	34.076	6.05	0.00	26.306	1487.55	
40	8.931	34.095	6.04	0.00	26.420	1485.49	
50	8.803	34.099	5.97	0.00	26.444	1485.19	
75	8.561	34.105	5.84	0.00	26.486	1484.70	
100	8.493	34.109	5.82	0.00	26.500	1484.87	
125	8.490	34.108	5.81	0.00	26.500	1485.26	
150	8.486	34.108	5.81	0.00	26.500	1485.66	
175	8.484	34.108	5.80	0.00	26.500	1486.06	
200	8.483	34.108	5.79	0.00	26.500	1486.47	
250	8.481	34.108	5.77	0.00	26.501	1487.29	
300	8.481	34.108	5.75	0.00	26.500	1488.11	
400	8.482	34.106	5.73	0.01	26.499	1489.76	
500	8.461	34.100	5.72	0.01	26.497	1491.32	
600	6.847	33.858	5.85	0.00	26.540	1486.50	
700	3.486	33.599	4.15	0.01	26.722	1474.14	
800	3.385	33.751	2.99	0.00	26.853	1475.55	
1000	3.681	34.135	0.99	0.00	27.130	1480.62	

Station: DN10

latitude:40-40.41N Longitude:143-59.68E depth:4434m
Date:1997/5/26 Time:01:43

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
4	9.817	33.975	6.12	0.00	26.183	1487.99	
10	9.820	33.976	6.07	0.00	26.182	1488.10	
20	9.813	33.975	6.04	0.00	26.183	1488.24	
30	9.657	34.006	6.08	0.00	26.233	1487.87	
40	9.029	34.011	6.20	0.00	26.339	1485.75	
50	8.771	34.008	6.10	0.00	26.377	1484.95	
75	8.284	34.026	5.94	0.00	26.467	1483.57	
100	8.331	34.065	5.83	0.00	26.490	1484.20	
125	8.352	34.079	5.80	0.00	26.498	1484.71	
150	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
175	8.404	34.094	5.72	0.00	26.502	1485.75	
200	8.356	34.085	5.72	0.00	26.502	1485.97	
250	8.035	34.029	5.79	0.00	26.506	1485.51	
300	7.396	33.929	5.88	0.00	26.520	1483.77	
400	5.647	33.675	5.91	0.01	26.549	1478.22	
500	3.874	33.584	4.53	0.01	26.672	1472.46	
600	2.486	33.554	3.78	0.00	26.775	1468.14	
700	3.629	33.848	2.36	0.00	26.907	1475.06	
800	3.486	33.991	1.24	0.00	27.035	1476.30	
1000	3.529	34.243	0.79	0.00	27.231	1480.12	

Station: C6

latitude:40-39.71N Longitude:144-49.61E depth:6331m
Date:1997/5/27 Time:14:20

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
5	9.664	34.039	6.18	0.00	26.258	1487.53	
10	9.664	34.039	6.08	0.00	26.258	1487.61	
20	9.664	34.040	6.04	0.00	26.258	1487.78	
30	9.664	34.039	6.02	0.00	26.258	1487.94	
40	9.628	34.043	6.01	0.00	26.267	1487.98	
50	9.311	34.080	6.03	0.00	26.348	1487.03	
75	8.649	34.100	5.83	0.00	26.468	1485.03	
100	8.499	34.102	5.81	0.00	26.493	1484.88	
125	8.480	34.105	5.81	0.00	26.498	1485.22	
150	8.488	34.107	5.80	0.00	26.499	1485.67	
175	8.487	34.107	5.80	0.00	26.499	1486.08	
200	8.488	34.107	5.79	0.00	26.499	1486.49	
250	8.483	34.106	5.78	0.00	26.499	1487.29	
300	8.483	34.107	5.75	0.00	26.499	1488.11	
400	8.482	34.106	5.73	0.00	26.499	1489.76	
500	8.470	34.101	5.73	0.00	26.497	1491.36	
600	6.297	33.800	5.41	0.00	26.567	1484.26	
700	3.322	33.614	3.91	0.02	26.749	1473.46	
800	3.613	33.832	2.56	0.01	26.896	1476.62	
1000	3.173	34.073	1.01	0.00	27.129	1478.38	

Station: S1

latitude:39-29.80N Longitude:143-00.07E depth:1717m
Date:1997/5/28 Time:05:09

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
6	10.910	33.558	6.00	0.00	25.669	1491.41	
10	10.911	33.558	5.99	0.00	25.669	1491.49	
20	10.892	33.558	5.97	0.00	25.672	1491.58	
30	7.968	33.632	6.43	0.00	26.204	1481.15	
40	7.900	33.726	6.18	0.00	26.288	1481.17	
50	7.552	33.748	6.17	0.00	26.355	1480.04	
75	6.361	33.722	5.96	0.00	26.497	1475.79	
100	5.713	33.670	6.03	0.00	26.537	1473.55	
125	5.599	33.664	6.05	0.00	26.546	1473.50	
150	5.377	33.660	6.05	0.00	26.569	1473.01	
175	5.500	33.698	6.01	0.00	26.585	1473.97	
200	5.435	33.734	5.86	0.00	26.621	1474.16	
250	5.145	33.761	5.43	0.00	26.676	1473.83	
300	4.375	33.727	4.23	0.00	26.735	1471.45	
400	4.402	33.922	2.47	0.00	26.887	1473.46	
500	4.254	34.071	1.63	0.00	27.021	1474.68	

Station: S2

latitude:39-15.04N Longitude:142-30.14E depth:1083m
Date:1997/5/28 Time:08:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[‰]	[Kg/m ³]	[°C]	
2	12.057	34.044	5.70	0.00	25.836	1495.91	
10	12.042	34.054	5.69	0.00	25.846	1496.00	
20	12.065	34.074	5.66	0.00	25.857	1496.27	
30	12.086	34.099	5.64	0.00	25.873	1496.54	
40	12.047	34.115	5.65	0.00	25.893	1496.59	
50	11.883	34.102	5.58	0.00	25.913	1496.18	
75	10.267	34.211	5.13	0.00	26.290	1491.06	
100	8.306	33.999	5.31	0.00	26.441	1484.03	
125	7.084	33.841	5.91	0.00	26.494	1479.58	
150	6.088	33.719	5.92	0.00	26.529	1475.93	
175	5.062	33.585	6.18	0.00	26.546	1472.05	
200	4.763	33.560	6.19	0.00	26.560	1471.20	
250	4.833	33.619	5.59	0.00	26.599	1472.38	
300	3.627	33.547	4.83	0.00	26.667	1468.09	
400	2.854	33.640	3.37	0.00	26.812	1466.56	
500	3.515	33.884	2.00	0.00	26.946	1471.34	

Station: S3
latitude:39-00.17N Longitude:142-00.35E depth:200m
Date:1997/5/28 Time:11:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	9.941	33.455	6.35	0.00	25.755	1487.77	
10	9.837	33.565	6.28	0.00	25.859	1487.66	
20	9.870	33.699	6.15	0.00	25.958	1488.11	
30	9.816	33.711	6.08	0.00	25.976	1488.09	
40	9.708	33.828	5.93	0.00	26.086	1488.01	
50	9.428	33.978	5.75	0.00	26.249	1487.34	
75	8.976	33.989	5.72	0.00	26.330	1486.10	
100	8.965	33.988	5.71	0.00	26.331	1486.47	
125	8.961	33.988	5.69	0.00	26.332	1486.87	
150	8.916	33.986	5.67	0.00	26.337	1487.11	

Station: S4
latitude:38-45.08N Longitude:142-30.10E depth:1185
Date:1997/5/28 Time:14:10

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	10.878	33.538	6.09	0.00	25.659	1491.34	
10	10.878	33.538	6.09	0.00	25.659	1491.34	
20	10.551	33.574	6.05	0.00	25.745	1490.39	
30	8.122	33.635	6.35	0.00	26.184	1481.74	
40	7.374	33.645	6.23	0.00	26.300	1479.06	
50	7.220	33.705	6.08	0.00	26.368	1478.71	
75	3.737	33.395	6.56	0.00	26.535	1464.68	
100	4.558	33.519	6.30	0.00	26.550	1468.67	
125	4.358	33.506	6.28	0.00	26.561	1468.23	
150	3.905	33.476	6.17	0.00	26.584	1466.71	
175	3.918	33.529	5.91	0.00	26.624	1467.25	
200	4.867	33.695	4.67	0.00	26.656	1471.80	
250	4.969	33.802	3.73	0.01	26.729	1473.17	
300	5.604	33.986	2.90	0.01	26.800	1476.80	
400	3.372	33.841	2.13	0.01	26.926	1469.03	
500	3.532	34.022	1.32	0.00	27.054	1471.59	

Station: S5
latitude:38-30.07N Longitude:143-00.03E depth:1877
Date:1997/5/28 Time:17:06

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	11.631	33.667	6.18	0.00	25.623	1494.00	
10	11.630	33.670	6.15	0.00	25.625	1494.13	
20	11.156	33.644	6.24	0.00	25.692	1492.61	
30	10.834	33.637	6.24	0.00	25.744	1491.64	
40	9.247	33.639	6.58	0.00	26.013	1486.09	
50	7.453	33.718	6.32	0.00	26.346	1479.62	
75	5.195	33.600	6.13	0.00	26.543	1470.97	
100	4.314	33.500	6.32	0.00	26.561	1467.63	
125	3.665	33.434	6.36	0.00	26.573	1465.24	
150	4.009	33.482	6.17	0.00	26.577	1467.16	
175	2.752	33.379	6.00	0.00	26.613	1462.09	
200	2.610	33.411	5.52	0.00	26.650	1461.93	
250	5.267	33.855	3.72	0.00	26.737	1474.45	
300	5.055	33.948	2.87	0.00	26.835	1474.53	
400	4.250	34.038	1.80	0.00	26.995	1472.97	
500	4.139	34.183	1.25	0.00	27.122	1474.34	

Station: W1D
Latitude:39-41.21N Longitude:143-23.78E depth:2286
Date:1997/6/6 Time:03:38

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	9.454	33.034	6.58	0.00	25.506	1485.49	
10	7.491	33.027	7.20	0.00	25.797	1478.25	
20	4.290	32.855	8.38	0.00	26.051	1465.40	
30	3.272	32.874	7.85	0.00	26.164	1461.30	
40	2.392	32.887	7.53	0.00	26.249	1457.69	
50	2.470	32.971	7.20	0.00	26.310	1458.30	
75	1.458	33.082	6.81	0.00	26.474	1454.40	
100	2.538	33.230	6.53	0.02	26.511	1459.75	
125	3.054	33.341	6.37	0.04	26.556	1462.52	
150	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
175	2.508	33.332	6.06	0.02	26.595	1460.97	
200	1.829	33.298	5.67	0.02	26.621	1458.36	
250	2.761	33.458	4.87	-0.00	26.675	1463.46	
300	2.652	33.515	4.17	0.01	26.730	1463.88	
400	2.611	33.671	2.69	0.00	26.858	1465.55	
500	3.160	33.862	1.57	0.00	26.962	1469.80	

Station: W2
Latitude:39-54.97N Longitude:143-44.90E depth:3047
Date:1997/6/6 Time:06:12

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
3	10.196	33.375	6.21	0.00	25.650	1488.61	
10	9.984	33.484	6.25	0.00	25.771	1488.09	
20	9.650	33.520	6.27	0.00	25.855	1487.09	
30	9.417	33.549	6.26	0.00	25.915	1486.44	
40	7.524	33.518	6.59	0.00	26.179	1479.48	
50	5.498	33.383	6.71	0.00	26.336	1471.51	
75	7.087	33.830	5.96	0.00	26.485	1478.76	
100	6.252	33.742	6.04	0.00	26.527	1475.79	
125	5.132	33.606	6.14	0.00	26.555	1471.54	
150	4.259	33.488	6.19	0.00	26.557	1468.21	
175	3.431	33.409	6.27	0.00	26.576	1465.04	
200	2.803	33.366	6.10	0.00	26.598	1462.70	
250	2.749	33.426	5.48	0.00	26.650	1463.37	
300	1.416	33.331	4.99	0.00	26.677	1458.21	
400	1.630	33.409	4.46	0.00	26.724	1460.90	
500	2.293	33.637	2.94	0.00	26.857	1465.76	

Station: W3
Latitude:40-10.00N Longitude:144-59.83 depth:4140
Date:1997/6/6 Time:08:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	10.394	33.697	6.40	0.00	25.867	1489.82	
10	10.394	33.697	6.40	0.00	25.867	1489.82	
20	10.217	33.745	6.41	0.00	25.935	1489.41	
30	9.542	33.873	6.42	0.00	26.148	1487.29	
40	8.481	33.915	6.45	0.00	26.349	1483.60	
50	8.523	33.954	6.30	0.00	26.374	1483.97	
75	8.308	34.040	6.06	0.00	26.474	1483.68	
100	8.361	34.077	5.99	0.00	26.495	1484.33	
125	8.377	34.083	5.97	0.00	26.497	1484.81	
150	8.343	34.081	5.89	0.00	26.500	1485.09	
175	8.302	34.073	5.83	0.00	26.500	1485.34	
200	8.236	34.062	5.84	0.00	26.502	1485.49	
250	7.650	33.966	5.90	0.01	26.513	1483.97	
300	6.663	33.813	6.03	0.01	26.529	1480.78	
400	4.920	33.614	5.70	0.00	26.586	1475.19	
500	2.736	33.487	4.47	-0.00	26.700	1467.49	

Station: W4
Latitude:40-24.86 Longitude:144-14.95 depth:5810
Date:1997/6/6 Time:10:42

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	10.297	33.909	6.35	0.00	26.050	1489.73	
10	10.297	33.909	6.35	0.00	26.050	1489.73	
20	10.065	33.963	6.34	0.00	26.131	1489.13	
30	9.799	34.041	6.24	0.00	26.237	1488.43	
40	8.974	34.072	6.24	0.00	26.396	1485.62	
50	8.720	34.058	6.12	0.00	26.425	1484.83	
75	8.436	34.080	5.96	0.00	26.486	1484.21	
100	8.455	34.097	5.94	0.00	26.496	1484.71	
125	8.472	34.103	5.90	0.00	26.498	1485.19	
150	8.480	34.106	5.88	0.00	26.499	1485.63	
175	8.473	34.104	5.86	0.00	26.499	1486.02	
200	8.473	34.105	5.84	0.00	26.500	1486.43	
250	8.469	34.105	5.79	0.02	26.500	1487.24	
300	8.471	34.106	5.76	0.01	26.501	1488.07	
400	8.384	34.088	5.75	0.01	26.500	1489.37	
500	7.103	33.884	5.87	0.01	26.525	1485.88	

Station: W5
Latitude:40-39.90 Longitude:144-29.90 depth:6750
Date:1997/6/6 Time:13:15

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.468	33.885	6.25	0.00	26.002	1490.25	
10	10.438	33.883	6.23	0.00	26.005	1490.20	
20	10.115	33.913	6.22	0.00	26.084	1489.25	
30	10.023	33.940	6.19	0.00	26.120	1489.12	
40	9.716	34.017	6.16	0.00	26.232	1488.27	
50	8.816	34.095	6.08	0.00	26.438	1485.23	
75	8.522	34.106	5.92	0.00	26.493	1484.56	
100	8.494	34.109	5.91	0.00	26.499	1484.87	
125	8.487	34.109	5.90	0.00	26.501	1485.25	
150	8.482	34.108	5.88	0.00	26.501	1485.65	
175	8.482	34.109	5.86	0.00	26.501	1486.06	
200	8.483	34.109	5.85	0.00	26.501	1486.47	
250	8.483	34.109	5.80	0.00	26.501	1487.29	
300	8.471	34.106	5.77	0.00	26.501	1488.07	
400	8.451	34.100	5.75	0.00	26.499	1489.64	
500	8.461	34.099	5.74	0.00	26.497	1491.32	

Station: W6
Latitude:39-59.68N Longitude:144-29.67E depth:6842m
Date:1997/6/6 Time:16:42

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.719	33.544	6.20	0.00	25.691	1490.72	
10	10.091	33.510	6.14	0.00	25.773	1488.51	
20	9.867	33.488	6.19	0.00	25.794	1487.84	
30	9.113	33.480	6.31	0.00	25.910	1485.24	
40	7.115	33.330	6.81	0.00	26.087	1477.67	
50	2.744	32.948	7.35	0.00	26.269	1459.45	
75	5.310	33.477	6.39	0.00	26.433	1471.28	
100	6.127	33.713	6.02	0.00	26.520	1475.26	
125	5.202	33.606	6.16	0.00	26.547	1471.82	
150	4.214	33.487	6.27	0.00	26.560	1468.02	
175	3.650	33.430	6.24	0.00	26.572	1465.99	
200	3.282	33.399	6.14	0.00	26.582	1464.80	
250	2.850	33.401	5.71	0.00	26.621	1463.77	
300	2.348	33.391	5.20	0.00	26.656	1462.40	
400	2.733	33.555	3.57	0.01	26.755	1465.92	
500	2.843	33.739	2.15	0.01	26.892	1468.28	

Station: W7
Latitude:39-45.04N Longitude:144-30.08E depth:6422m
Date:1997/6/6 Time:18:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	7.584	32.752	7.48	0.00	25.568	1478.18	
10	6.423	32.887	7.80	0.00	25.830	1473.92	
20	4.532	32.996	7.79	0.00	26.137	1466.58	
30	3.928	32.976	7.47	0.00	26.184	1464.21	
40	3.550	32.971	7.32	0.00	26.216	1462.77	
50	2.403	32.980	7.27	0.00	26.323	1458.02	
75	1.901	33.082	7.23	0.00	26.443	1456.36	
100	1.554	33.127	6.93	0.00	26.503	1455.29	
125	2.129	33.232	6.55	0.00	26.546	1458.37	
150	1.343	33.231	6.02	0.00	26.601	1455.30	
175	1.361	33.237	5.64	0.00	26.605	1455.80	
200	1.618	33.303	5.20	0.00	26.640	1457.43	
250	2.104	33.518	3.58	0.00	26.776	1460.68	
300	3.535	33.775	2.72	0.00	26.858	1468.00	
400	3.143	33.882	1.33	0.00	26.979	1468.11	
500	3.240	34.045	0.71	0.00	27.101	1470.38	

Station: W8
Latitude:39-30.00N Longitude:144-30.02E depth:6666m
Date:1997/6/6 Time:22:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	12.192	33.341	6.12	0.00	25.264	1495.53	
10	11.170	33.368	6.36	0.00	25.474	1492.17	
20	4.678	32.913	7.40	0.00	26.056	1467.08	
30	3.241	32.951	7.20	0.00	26.228	1461.27	
40	2.509	32.939	7.22	0.00	26.281	1458.26	
50	2.041	32.950	7.28	0.00	26.326	1456.40	
75	1.855	33.075	6.99	0.00	26.440	1456.15	
100	1.801	33.149	6.41	0.00	26.503	1456.42	
125	2.224	33.294	5.31	0.00	26.588	1458.87	
150	2.509	33.426	4.31	0.00	26.671	1460.69	
175	2.617	33.509	3.86	0.00	26.728	1461.68	
200	2.672	33.582	3.19	0.00	26.782	1462.42	
250	2.907	33.716	2.28	0.00	26.868	1464.42	
300	3.021	33.822	1.65	0.00	26.943	1465.87	
400	3.299	34.000	0.93	0.00	27.060	1468.93	
500	3.232	34.104	0.63	0.00	27.148	1470.42	

Station: W9
Latitude:39-52.95N Longitude:145-24.90E depth:5270m
Date:1997/6/7 Time:04:48

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	13.960	33.636	5.63	0.00	25.142	1501.84	
10	13.963	33.635	5.59	0.00	25.140	1501.92	
20	13.497	33.649	5.65	0.00	25.247	1500.57	
30	5.338	33.302	6.96	0.00	26.290	1470.43	
40	6.544	33.636	6.00	0.00	26.405	1475.83	
50	5.193	33.510	6.19	0.00	26.472	1470.44	
75	5.072	33.572	6.02	0.00	26.535	1470.43	
100	4.773	33.554	6.04	0.00	26.554	1469.60	
125	5.388	33.671	5.55	0.00	26.577	1472.66	
150	4.400	33.597	5.28	0.00	26.629	1468.93	
175	4.422	33.681	4.54	0.00	26.693	1469.54	
200	4.985	33.784	3.90	0.00	26.713	1472.40	
250	4.057	33.769	3.26	0.00	26.801	1469.37	
300	3.537	33.783	2.69	0.00	26.864	1468.02	
400	3.529	33.924	1.74	0.00	26.977	1469.81	
500	3.229	34.034	0.95	0.00	27.093	1470.32	

Station: W10
Latitude:40-03.97N Longitude:145-12.47E depth:5434m
Date:1997/6/7 Time:06:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	7.846	32.808	7.77	0.00	25.575	1479.27	
10	6.697	32.762	8.46	0.00	25.696	1474.84	
20	4.275	32.993	7.84	0.00	26.162	1465.51	
30	3.741	32.971	7.50	0.00	26.197	1463.41	
40	2.338	32.903	7.50	0.00	26.266	1457.47	
50	1.786	32.901	7.41	0.00	26.306	1455.21	
75	1.700	33.068	7.04	0.00	26.446	1455.45	
100	2.181	33.195	6.92	0.00	26.512	1458.15	
125	2.229	33.247	6.71	0.00	26.550	1458.83	
150	2.262	33.280	6.31	0.00	26.574	1459.42	
175	1.985	33.318	5.51	0.00	26.625	1458.67	
200	1.688	33.327	5.14	0.00	26.654	1457.78	
250	2.159	33.460	4.04	0.00	26.726	1460.84	
300	2.759	33.608	3.11	0.00	26.795	1464.46	
400	3.109	33.824	1.62	0.00	26.937	1467.89	
500	3.367	33.988	1.10	0.00	27.043	1470.84	

Station: W11
Latitude:40-15.01N Longitude:144-59.61E depth:5762
Date:1997/6/7 Time:08:27

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.291	33.384	6.37	0.00	25.641	1489.01	
10	10.212	33.419	6.38	0.00	25.681	1488.83	
20	9.836	33.546	6.43	0.00	25.844	1487.80	
30	8.867	33.707	6.52	0.00	26.127	1484.61	
40	7.933	33.713	6.54	0.00	26.273	1481.28	
50	7.373	33.722	6.46	0.00	26.360	1479.32	
75	7.246	33.866	6.09	0.00	26.491	1479.42	
100	6.942	33.846	6.04	0.00	26.518	1478.63	
125	6.701	33.814	6.08	0.00	26.525	1478.06	
150	6.369	33.767	6.10	0.00	26.531	1477.11	
175	5.934	33.707	6.13	0.00	26.539	1475.72	
200	5.454	33.644	6.14	0.00	26.548	1474.12	
250	4.906	33.605	5.98	0.00	26.580	1472.66	
300	3.324	33.450	5.74	0.00	26.619	1466.68	
400	2.444	33.478	4.32	0.01	26.717	1464.57	
500	3.529	33.763	2.75	0.01	26.848	1471.24	

Station: W12D
Latitude:40-39.80N Longitude:145-04.93E depth:6033m
Date:1997/6/7 Time:11:10

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.686	33.641	6.12	0.00	25.773	1490.73	
10	10.590	33.644	6.12	0.00	25.792	1490.45	
20	9.911	33.948	6.17	0.00	26.146	1488.56	
30	9.893	33.970	6.11	0.00	26.166	1488.68	
40	8.999	34.004	6.21	0.00	26.339	1485.63	
50	8.704	34.014	6.12	0.00	26.392	1484.71	
75	8.275	34.040	5.95	0.00	26.479	1483.55	
100	8.316	34.061	5.92	0.00	26.489	1484.14	
125	8.323	34.068	5.92	0.00	26.494	1484.59	
150	8.317	34.071	5.91	0.00	26.496	1484.98	
175	8.297	34.070	5.86	0.00	26.499	1485.32	
200	8.315	34.076	5.82	0.00	26.501	1485.80	
250	8.091	34.038	5.85	0.00	26.504	1485.73	
300	7.252	33.906	5.95	0.00	26.522	1483.19	
400	5.384	33.692	5.14	0.00	26.594	1477.18	
500	2.307	33.423	4.86	0.00	26.685	1465.54	

Station: W13
Latitude:40-40.00N Longitude:145-19.46E depth:5688m
Date:1997/6/7 Time:12:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	10.177	33.337	6.40	0.00	25.623	1488.48	
10	9.632	33.597	6.51	0.00	25.917	1486.96	
20	9.430	33.737	6.48	0.00	26.060	1486.55	
30	8.355	33.729	6.52	0.00	26.223	1482.73	
40	7.667	33.763	6.29	0.00	26.351	1480.33	
50	7.331	33.802	6.09	0.00	26.429	1479.26	
75	7.569	33.940	5.96	0.00	26.504	1480.75	
100	6.879	33.839	6.05	0.00	26.521	1478.38	
125	6.431	33.777	6.05	0.00	26.531	1476.95	
150	6.258	33.750	6.03	0.00	26.532	1476.65	
175	5.791	33.690	6.07	0.00	26.543	1475.12	
200	5.368	33.637	6.09	0.00	26.552	1473.76	
250	4.654	33.556	6.11	0.00	26.569	1471.56	
300	4.048	33.540	5.76	0.00	26.620	1469.85	
400	3.001	33.527	4.35	0.01	26.710	1467.04	
500	2.655	33.622	3.31	0.01	26.815	1467.31	

Station: W14
Latitude:40-40.04N Longitude:145-34.92E depth:5434m
Date:1997/6/7 Time:14:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	10.342	33.231	6.25	0.00	25.513	1488.94	
10	9.837	33.277	6.36	0.00	25.634	1487.31	
20	9.463	33.349	6.43	0.00	25.751	1486.20	
30	6.815	33.295	6.98	0.00	26.101	1476.29	
40	5.826	33.333	6.93	0.00	26.257	1472.60	
50	5.098	33.343	6.79	0.00	26.351	1469.84	
75	5.192	33.543	6.27	0.00	26.498	1470.88	
100	5.758	33.668	6.16	0.00	26.530	1473.73	
125	5.629	33.666	6.14	0.00	26.544	1473.62	
150	4.788	33.561	6.20	0.00	26.558	1470.49	
175	3.808	33.443	6.25	0.00	26.567	1466.67	
200	3.468	33.415	6.25	0.00	26.577	1465.61	
250	3.124	33.449	5.68	0.00	26.636	1465.01	
300	2.795	33.462	5.01	0.00	26.675	1464.43	
400	2.886	33.599	3.68	0.00	26.777	1466.64	
500	3.179	33.797	2.32	0.00	26.909	1469.79	

Station: W15
Latitude:41-15.91N Longitude:145-20.13E depth:6897m
Date:1997/6/7 Time:17:58

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	9.759	33.213	6.25	0.00	25.597	1486.87	
10	9.816	33.298	6.23	0.00	25.654	1487.26	
20	8.772	33.432	6.42	0.00	25.926	1483.76	
30	7.285	33.564	6.37	0.00	26.248	1478.46	
40	6.215	33.542	6.25	0.00	26.373	1474.41	
50	6.026	33.594	6.06	0.00	26.439	1473.89	
75	6.217	33.721	5.87	0.00	26.514	1475.22	
100	5.331	33.614	6.06	0.00	26.539	1471.95	
125	4.669	33.541	6.14	0.00	26.555	1469.56	
150	4.052	33.473	6.16	0.00	26.566	1467.32	
175	3.753	33.446	6.12	0.00	26.575	1466.44	
200	3.061	33.409	5.93	0.00	26.610	1463.87	
250	2.640	33.436	5.12	0.00	26.668	1462.91	
300	2.473	33.472	4.42	0.00	26.711	1463.05	
400	3.083	33.703	2.98	0.00	26.842	1467.62	
500	3.013	33.815	1.92	0.00	26.938	1469.11	

Station: W16
Latitude:41-07.84N Longitude:145-10.12E depth:6793m
Date:1997/6/7 Time:19:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	8.880	32.964	6.63	0.00	25.543	1483.37	
10	9.127	33.153	6.56	0.00	25.652	1484.56	
20	9.632	33.708	6.15	0.00	26.005	1487.25	
30	8.285	33.723	6.36	0.00	26.228	1482.46	
40	7.524	33.744	6.19	0.00	26.356	1479.76	
50	7.291	33.821	6.01	0.00	26.450	1479.13	
75	7.818	33.981	5.80	0.00	26.500	1481.75	
100	7.552	33.944	5.81	0.00	26.510	1481.10	
125	7.029	33.868	5.89	0.00	26.523	1479.40	
150	6.607	33.804	5.95	0.00	26.529	1478.09	
175	6.262	33.755	6.00	0.00	26.535	1477.08	
200	5.791	33.690	6.02	0.00	26.543	1475.53	
250	4.217	33.498	6.17	0.00	26.569	1469.68	
300	3.706	33.501	5.62	0.00	26.623	1468.36	
400	2.667	33.518	4.18	0.00	26.731	1465.59	
500	2.807	33.645	3.13	0.01	26.820	1468.00	

Station: W17
Latitude:41-01.89N Longitude:145-02.63E depth:6235m
Date:1997/6/8 Time:01:07

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.660	33.806	5.92	0.00	25.906	1490.83	
10	10.660	33.807	5.93	0.00	25.907	1490.90	
20	10.485	33.855	5.98	0.00	25.975	1490.50	
30	9.913	33.936	5.95	0.00	26.136	1488.72	
40	8.729	33.997	6.00	0.00	26.375	1484.62	
50	8.413	34.018	5.83	0.00	26.440	1483.63	
75	8.282	34.052	5.81	0.00	26.487	1483.59	
100	8.354	34.082	5.78	0.00	26.500	1484.31	
125	8.403	34.094	5.77	0.00	26.502	1484.92	
150	8.370	34.088	5.77	0.00	26.502	1485.20	
175	8.283	34.073	5.78	0.00	26.503	1485.27	
200	8.138	34.046	5.80	0.00	26.504	1485.10	
250	7.060	33.874	5.94	0.00	26.523	1481.58	
300	6.263	33.754	6.03	0.00	26.534	1479.13	
400	4.426	33.572	5.46	0.00	26.606	1473.11	
500	2.868	33.521	4.27	0.00	26.716	1468.10	

Station: W18
Latitude:41-09.95N Longitude:144-30.03E depth:4968m
Date:1997/6/8 Time:04:20

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	10.554	33.826	6.06	0.00	25.940	1490.46	
10	10.479	33.837	6.06	0.00	25.962	1490.29	
20	9.847	33.892	6.06	0.00	26.112	1488.26	
30	9.368	33.912	6.08	0.00	26.208	1486.71	
40	8.913	34.031	6.09	0.00	26.373	1485.34	
50	8.752	34.030	5.94	0.00	26.398	1484.91	
75	8.190	34.029	5.87	0.00	26.483	1483.22	
100	8.304	34.066	5.84	0.00	26.495	1484.11	
125	8.325	34.075	5.81	0.00	26.499	1484.61	
150	8.338	34.080	5.77	0.00	26.500	1485.07	
175	8.326	34.078	5.77	0.00	26.500	1485.44	
200	8.273	34.069	5.77	0.00	26.502	1485.63	
250	7.754	33.983	5.84	0.00	26.512	1484.39	
300	6.613	33.807	6.00	0.00	26.531	1480.58	

Station: W19
Latitude:41-19.94N Longitude:144-30.09E depth:4297m
Date:1997/6/8 Time:06:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	10.057	33.578	6.19	0.00	25.832	1488.40	
10	10.056	33.579	6.16	0.00	25.833	1488.47	
20	10.040	33.583	6.15	0.00	25.839	1488.58	
30	9.291	33.649	6.20	0.00	26.014	1486.10	
40	7.711	33.723	6.38	0.00	26.313	1480.45	
50	7.533	33.787	6.20	0.00	26.389	1480.01	
75	7.719	33.946	5.89	0.00	26.487	1481.33	
100	7.522	33.938	5.86	0.00	26.509	1480.98	
125	7.054	33.869	5.93	0.00	26.520	1479.50	
150	6.738	33.823	5.98	0.00	26.527	1478.62	
175	6.347	33.769	6.02	0.00	26.535	1477.43	
200	5.901	33.708	6.06	0.00	26.544	1475.99	
250	4.571	33.539	6.14	0.00	26.565	1471.20	
300	2.245	33.313	6.01	0.00	26.601	1461.85	

Station: W20
Latitude:41-29.83N Longitude:144-29.96E depth:3481m
Date:1997/6/8 Time:07:40

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	9.168	33.144	6.30	0.00	25.638	1484.64	
10	9.165	33.144	6.31	0.00	25.639	1484.69	
20	9.162	33.143	6.31	0.00	25.639	1484.85	
30	7.577	33.519	6.32	0.00	26.172	1479.52	
40	7.135	33.586	6.26	0.00	26.286	1478.07	
50	7.150	33.731	6.01	0.00	26.398	1478.47	
75	6.288	33.693	5.95	0.00	26.483	1475.46	
100	5.119	33.572	5.95	0.00	26.530	1471.03	
125	4.280	33.501	6.06	0.00	26.565	1467.90	
150	3.951	33.459	6.09	0.00	26.566	1466.88	
175	5.411	33.703	5.82	0.00	26.599	1473.61	
200	5.182	33.685	5.66	0.00	26.612	1473.07	
250	4.672	33.696	5.15	0.00	26.678	1471.82	
300	3.886	33.649	4.60	0.00	26.723	1469.31	

Station: P3D
Latitude:39-00.53N Longitude:146-55.30E depth:5322m
Date:1997/6/9 Time:04:38

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
10	15.991	34.451	4.93	0.00	25.327	1509.30	
20	15.987	34.453	4.90	0.00	25.329	1509.45	
30	14.981	34.399	4.72	0.00	25.513	1506.41	
40	13.619	34.438	4.09	0.00	25.832	1502.23	
50	11.539	34.139	4.70	0.00	26.007	1495.04	
75	11.083	34.373	3.36	0.00	26.273	1494.14	
100	9.826	34.258	3.64	0.00	26.402	1489.95	
125	8.369	34.072	4.19	0.00	26.489	1484.76	
150	4.645	33.557	6.09	0.00	26.571	1469.89	
175	3.910	33.465	6.24	0.00	26.574	1467.13	
200	4.030	33.510	5.97	0.00	26.598	1468.10	
250	4.580	33.716	4.42	0.00	26.704	1471.47	
300	5.144	33.930	3.03	0.00	26.811	1474.87	
400	4.167	33.960	2.10	0.00	26.942	1472.53	
500	4.498	34.170	1.49	0.00	27.073	1475.82	
600	3.653	34.164	0.92	0.01	27.156	1473.93	
700	3.566	34.267	0.88	0.01	27.246	1475.34	
800	3.066	34.289	0.62	0.01	27.311	1474.89	
1000	2.743	34.383	0.64	0.01	27.415	1476.94	

Station: Z1
Latitude:36-00.09N Longitude:147-59.90E depth:5750m
Date:1997/6/9 Time:22:15

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
4	18.721	34.642	4.82	0.00	24.818	1517.54	
10	18.724	34.642	4.76	0.00	24.818	1517.64	
20	18.726	34.642	4.73	0.00	24.817	1517.82	
30	18.622	34.661	4.70	0.00	24.857	1517.70	
40	18.194	34.700	4.62	0.00	24.994	1516.68	
50	17.346	34.710	4.28	0.00	25.209	1514.36	
75	16.711	34.735	4.18	0.00	25.379	1512.90	
100	16.091	34.702	4.18	0.00	25.497	1511.39	
125	15.476	34.668	4.21	0.04	25.611	1509.85	
150	15.163	34.670	4.38	0.01	25.682	1509.29	
175	14.661	34.640	4.52	0.01	25.768	1508.08	
200	14.448	34.631	4.58	0.00	25.807	1507.80	
250	13.935	34.591	4.52	0.03	25.885	1506.92	
300	12.189	34.423	4.01	0.00	26.105	1501.74	
400	6.046	33.682	5.70	0.00	26.505	1479.83	
500	6.652	34.055	3.12	0.00	26.721	1484.33	

Station: Z2
Latitude:35-37.54N Longitude:148-02.83E depth:5754m
Date:1997/6/10 Time:03:35

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	21.099	34.641	4.42	0.00	24.194	1524.19	
10	21.070	34.642	4.42	0.00	24.203	1524.16	
20	20.151	34.639	4.50	0.00	24.447	1521.82	
30	18.188	34.564	4.80	0.00	24.892	1516.34	
40	18.162	34.562	4.74	0.00	24.896	1516.43	
50	17.367	34.656	4.59	0.00	25.163	1514.36	
75	15.760	34.677	4.36	0.00	25.553	1509.92	
100	15.102	34.632	4.26	0.00	25.665	1508.22	
125	14.737	34.614	4.30	0.00	25.732	1507.46	
150	14.287	34.591	4.22	0.00	25.811	1506.41	
175	13.601	34.540	3.94	0.01	25.914	1504.53	
200	13.023	34.493	4.21	0.01	25.996	1502.97	
250	11.573	34.369	4.01	0.00	26.180	1498.73	
300	9.511	34.209	3.92	0.00	26.416	1492.04	
400	7.236	34.048	3.72	0.00	26.636	1484.95	
500	5.835	34.057	2.74	0.00	26.828	1481.10	

Station: Z3
Latitude:35-20.10N Longitude:148-00.13E depth:5798m
Date:1997/6/10 Time:06:00

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	18.720	34.512	4.73	0.00	24.719	1517.42	
10	18.720	34.511	4.74	0.00	24.718	1517.48	
20	18.694	34.511	4.75	0.00	24.725	1517.58	
30	17.848	34.584	4.70	0.00	24.990	1515.37	
40	16.852	34.631	4.48	0.00	25.266	1512.63	
50	16.271	34.600	4.10	0.00	25.378	1510.99	
75	14.511	34.568	3.89	0.00	25.745	1505.85	
100	14.086	34.597	4.50	0.00	25.858	1504.93	
125	13.658	34.559	4.40	0.01	25.917	1503.91	
150	12.806	34.474	4.36	0.01	26.024	1501.40	
175	11.655	34.353	3.88	0.01	26.151	1497.76	
200	10.216	34.185	4.34	-0.00	26.279	1492.91	
250	9.476	34.297	3.06	0.00	26.491	1491.19	
300	5.986	33.778	5.86	0.01	26.589	1478.06	
400	6.539	34.052	3.30	0.00	26.734	1482.24	
500	5.690	34.135	2.28	0.00	26.908	1480.62	

Station: Z4
Latitude:35-00.28N Longitude:148-00.78E Depth:5862m
Date:1997/6/10 Time:08:05

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	21.959	34.570	4.24	0.00	23.902	1526.37	
10	21.962	34.568	4.25	0.00	23.900	1526.46	
20	21.963	34.570	4.26	0.01	23.901	1526.63	
30	21.440	34.551	4.33	0.01	24.032	1525.39	
40	20.227	34.552	4.47	0.02	24.360	1522.27	
50	19.043	34.565	4.57	0.00	24.677	1519.13	
75	17.579	34.604	4.49	0.00	25.072	1515.35	
100	16.055	34.612	3.80	0.01	25.436	1511.17	
125	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
150	14.293	34.616	4.58	0.00	25.828	1506.45	
175	13.765	34.566	4.34	0.00	25.900	1505.09	
200	12.835	34.484	4.23	0.00	26.026	1502.33	
250	10.515	34.330	3.43	0.00	26.340	1494.97	
300	9.295	34.222	3.56	0.00	26.462	1491.26	
400	7.496	34.139	3.18	0.00	26.671	1486.06	
500	5.423	34.026	2.54	0.00	26.853	1479.41	

Station: Z10
Latitude:35-00.08N Longitude:147-00.27E Depth:5999m
Date:1997/6/10 Time:20:45

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
11	19.321	34.473	4.78	0.00	24.536	1519.17	
20	19.288	34.475	4.77	0.00	24.546	1519.23	
30	18.782	34.482	4.79	0.00	24.681	1517.96	
40	17.108	34.521	4.67	0.02	25.121	1513.27	
50	15.361	34.591	4.29	0.01	25.577	1508.16	
75	14.531	34.590	4.25	0.00	25.757	1505.95	
100	13.942	34.589	4.49	0.01	25.881	1504.46	
125	13.227	34.516	4.24	0.00	25.972	1502.44	
150	12.520	34.447	4.13	0.00	26.059	1500.41	
175	12.041	34.418	3.98	0.00	26.130	1499.16	
200	11.490	34.378	3.88	0.00	26.202	1497.63	
250	8.850	34.090	4.66	0.00	26.429	1488.64	
300	7.023	33.898	4.94	0.00	26.547	1482.29	
400	6.101	34.044	2.91	0.00	26.784	1480.50	
500	5.550	34.180	1.99	0.00	26.960	1480.12	

Station: Z11
Latitude:35-20.09N Longitude:146-39.89E Depth:5880m
Date:1997/6/11 Time:05:56

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
10	18.761	34.430	4.89	0.00	24.646	1517.51	
20	18.755	34.432	4.86	0.00	24.649	1517.66	
30	18.706	34.442	4.87	0.00	24.669	1517.70	
40	17.804	34.507	4.87	0.00	24.942	1515.32	
50	16.075	34.576	4.68	0.00	25.404	1510.36	
75	13.955	34.511	4.35	0.00	25.819	1503.99	
100	12.472	34.441	4.39	0.01	26.064	1499.41	
125	11.421	34.368	3.87	0.01	26.207	1496.14	
150	10.316	34.293	3.69	0.00	26.345	1492.57	
175	9.662	34.247	3.67	0.00	26.421	1490.57	
200	9.245	34.227	3.59	0.01	26.474	1489.44	
250	8.178	34.154	3.52	-0.00	26.583	1486.21	
300	7.760	34.184	3.06	0.00	26.668	1485.48	
400	5.664	34.030	2.81	0.00	26.828	1478.74	
500	5.322	34.170	1.98	0.00	26.980	1479.19	

Station: Z12
Latitude:35-40.00N Longitude:146-20.00E Depth:5762m
Date:1997/6/11 Time:08:10

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.401	34.623	4.81	0.00	24.630	1519.48	
10	19.365	34.623	4.81	0.00	24.639	1519.44	
20	19.327	34.623	4.78	0.00	24.649	1519.50	
30	19.277	34.620	4.77	0.01	24.660	1519.53	
40	18.307	34.596	4.90	0.02	24.887	1516.89	
50	18.121	34.647	4.81	0.00	24.972	1516.57	
75	16.198	34.710	4.37	0.00	25.479	1511.31	
100	15.645	34.682	4.51	0.03	25.583	1509.98	
125	15.019	34.663	4.56	0.01	25.708	1508.41	
150	14.501	34.624	4.39	0.01	25.790	1507.13	
175	14.244	34.615	4.53	0.00	25.838	1506.71	
200	13.600	34.548	4.20	0.00	25.921	1504.95	
250	11.992	34.409	4.05	0.00	26.132	1500.22	
300	9.750	34.216	4.14	0.00	26.382	1492.92	
400	6.717	33.933	4.24	0.00	26.616	1482.79	
500	5.136	33.928	3.01	0.00	26.809	1478.12	

Station: Z13
Latitude:35-59.90N Longitude:146-00.03E Depth:5658m
Date:1997/6/11 Time:10:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	18.990	34.679	4.92	0.00	24.778	1518.38	
10	18.978	34.681	4.91	0.00	24.783	1518.41	
20	18.713	34.677	4.91	0.00	24.847	1517.82	
30	18.700	34.677	4.87	0.00	24.850	1517.95	
40	18.689	34.677	4.85	0.00	24.853	1518.08	
50	18.673	34.677	4.82	0.00	24.857	1518.20	
75	17.792	34.759	4.33	0.01	25.138	1516.15	
100	17.020	34.745	4.19	0.01	25.314	1514.26	
125	16.036	34.706	4.43	0.00	25.513	1511.64	
150	15.637	34.695	4.58	0.01	25.595	1510.80	
175	15.408	34.706	4.78	0.01	25.655	1510.52	
200	15.330	34.713	4.83	0.01	25.678	1510.69	
250	14.784	34.653	4.54	0.00	25.752	1509.73	
300	14.279	34.629	4.70	0.00	25.841	1508.91	
400	11.231	34.364	3.67	0.00	26.238	1500.01	
500	8.375	34.178	3.26	0.00	26.572	1491.09	

Station: Z14
Latitude:35-40.15 Longitude:145-30.13E Depth:5768m
Date:1997/6/11 Time:13:25

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	20.161	34.621	4.61	0.00	24.430	1521.60	
10	20.218	34.623	4.61	0.00	24.416	1521.82	
20	19.959	34.622	4.62	0.00	24.484	1521.27	
30	18.576	34.631	4.83	0.00	24.847	1517.54	
40	18.452	34.644	4.80	0.01	24.887	1517.36	
50	18.185	34.657	4.78	0.00	24.964	1516.77	
75	16.564	34.719	4.28	0.00	25.401	1512.44	
100	15.906	34.692	4.25	0.00	25.532	1510.80	
125	15.381	34.660	4.13	0.00	25.625	1509.55	
150	14.733	34.625	4.18	0.01	25.741	1507.87	
175	14.371	34.628	4.51	0.02	25.821	1507.13	
200	14.004	34.595	4.45	0.01	25.873	1506.32	
250	12.177	34.431	4.07	0.00	26.113	1500.88	
300	10.480	34.296	4.01	0.00	26.319	1495.63	
400	7.414	34.030	4.03	0.00	26.597	1485.61	
500	4.905	33.850	3.45	0.00	26.775	1477.08	

Station: Z15
Latitude:35-20.09 Longitude:145-00.05E Depth:5686m
Date:1997/6/11 Time:14:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
10	20.637	34.592	4.65	0.01	24.281	1522.94	
20	20.416	34.593	4.68	0.01	24.341	1522.50	
30	18.199	34.543	4.71	0.00	24.873	1516.35	
40	17.271	34.551	4.09	0.01	25.105	1513.79	
50	16.720	34.591	3.94	0.00	25.266	1512.35	
75	15.351	34.581	3.86	0.00	25.571	1508.53	
100	14.233	34.542	3.72	0.00	25.784	1505.35	
125	13.232	34.503	3.61	0.01	25.961	1502.44	
150	12.385	34.456	3.59	0.01	26.093	1499.96	
175	11.829	34.422	3.56	0.00	26.172	1498.44	
200	10.770	34.331	3.72	0.00	26.296	1495.05	
250	8.818	34.136	4.17	0.00	26.471	1488.58	
300	7.239	33.977	4.39	0.00	26.580	1483.23	
400	5.035	33.874	3.46	0.00	26.779	1476.00	
500	5.399	34.128	2.18	0.00	26.937	1479.44	

Station: Z16
Latitude:35-00.02N Longitude:144-29.98E Depth:5729m
Date:1997/6/11 Time:18:40

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	20.075	34.507	4.62	0.00	24.366	1521.25	
10	20.019	34.506	4.63	0.00	24.380	1521.14	
20	19.930	34.507	4.64	0.00	24.404	1521.06	
30	19.836	34.514	4.62	0.00	24.434	1520.98	
40	18.643	34.553	4.73	0.00	24.770	1517.81	
50	17.813	34.541	4.34	0.00	24.966	1515.55	
75	15.961	34.616	3.68	0.00	25.461	1510.47	
100	15.006	34.565	3.80	0.00	25.635	1507.84	
125	14.152	34.571	4.34	0.00	25.824	1505.53	
150	13.426	34.527	4.27	0.00	25.941	1503.52	
175	12.427	34.425	4.47	0.00	26.061	1500.48	
200	10.927	34.304	4.56	0.00	26.246	1495.57	
250	9.613	34.235	3.80	0.00	26.420	1491.62	
300	8.219	34.089	4.07	0.00	26.525	1487.10	
400	6.404	34.003	3.43	0.00	26.713	1481.65	
500	4.731	33.980	2.49	0.00	26.897	1476.53	

Station: Z17
Latitude:34-39.73N Longitude:144-00.05E Depth:5542m
Date:1997/6/11 Time:23:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	22.108	34.595	4.34	0.00	23.880	1526.80	
10	21.943	34.612	4.32	0.00	23.939	1526.45	
20	21.336	34.637	4.40	0.00	24.126	1525.04	
30	21.207	34.645	4.40	0.00	24.167	1524.87	
40	21.075	34.664	4.42	0.01	24.218	1524.70	
50	20.877	34.683	4.39	0.02	24.286	1524.36	
75	19.692	34.700	4.16	0.01	24.614	1521.53	
100	18.869	34.752	4.08	0.00	24.865	1519.68	
125	17.986	34.745	4.09	0.01	25.080	1517.54	
150	17.869	34.817	4.17	0.01	25.164	1517.69	
175	17.349	34.795	4.07	0.00	25.273	1516.54	
200	16.799	34.762	3.99	0.00	25.379	1515.27	
250	15.230	34.646	3.74	0.00	25.648	1511.13	
300	14.284	34.571	3.68	0.00	25.796	1508.85	
400	11.456	34.399	3.38	0.00	26.224	1500.84	
500	6.405	33.799	5.65	0.00	26.552	1483.04	

Station: Z18
Latitude:34-20.06N Longitude:143-30.14E Depth:5650m
Date:1997/6/12 Time:04:10

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	21.715	34.545	4.34	0.00	23.952	1525.71	
10	21.565	34.638	4.36	0.00	24.064	1525.48	
20	21.527	34.637	4.38	0.00	24.074	1525.55	
30	21.461	34.643	4.39	0.00	24.096	1525.55	
40	21.260	34.666	4.40	0.00	24.169	1525.20	
50	20.631	34.713	4.40	0.00	24.375	1523.72	
75	19.956	34.760	4.22	0.00	24.591	1522.33	
100	19.132	34.781	4.13	0.00	24.820	1520.46	
125	18.726	34.824	4.30	0.00	24.956	1519.77	
150	18.288	34.802	4.07	0.00	25.049	1518.89	
175	18.165	34.821	4.29	0.00	25.094	1518.97	
200	17.907	34.820	4.34	0.00	25.157	1518.64	
250	17.322	34.795	4.06	0.00	25.280	1517.71	
300	16.165	34.706	3.93	0.00	25.483	1514.94	
400	14.302	34.580	3.74	0.00	25.799	1510.58	
500	11.905	34.432	3.47	0.00	26.166	1504.08	

Station: Z19
Latitude:34-20.00N Longitude:143-00.02E Depth:5304m
Date:1997/6/12 Time:06:50

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	21.279	0.000		0.00			
10	21.276	0.000		0.00			
20	21.069	0.000		0.00			
30	21.028	0.000		0.00			
40	21.019	0.000		0.00			
50	20.966	0.000		0.00			
75	20.113	0.000		0.00			
100	19.717	0.000		0.00			
125	19.308	0.000		0.00			
150	18.635	0.000		0.00			
175	18.264	0.000		0.00			
200	17.945	0.000		0.00			
250	17.098	0.000		0.00			
300	16.288	0.000		0.00			
400	14.550	0.000		0.00			
500	12.004	0.000		0.00			

Station: Z20
Latitude:34-39.92N Longitude:142-49.92E Depth:5945m
Date:1997/6/12 Time:08:00

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	20.956	34.656	4.46	0.01	24.244	1523.81	
10	20.900	34.670	4.48	0.00	24.270	1523.74	
20	20.775	34.683	4.50	0.01	24.314	1523.58	
30	20.724	34.687	4.50	0.01	24.330	1523.61	
40	20.655	34.693	4.50	0.00	24.353	1523.60	
50	20.594	34.699	4.47	0.00	24.375	1523.60	
75	20.014	34.753	4.35	0.00	24.569	1522.49	
100	19.446	34.790	4.24	0.00	24.746	1521.36	
125	18.973	34.799	4.17	0.01	24.874	1520.45	
150	18.486	34.818	4.32	0.00	25.012	1519.49	
175	18.155	34.808	4.34	0.00	25.086	1518.93	
200	17.968	34.807	4.37	0.00	25.132	1518.80	
250	17.436	34.798	4.11	0.00	25.255	1518.05	
300	16.634	34.761	3.99	0.00	25.417	1516.43	
400	14.857	34.635	4.06	0.00	25.722	1512.42	
500	12.388	34.442	3.67	0.00	26.081	1505.74	

Station: Z21
Latitude:34-59.98N Longitude:142-39.99E Depth:5928m
Date:1997/6/12 Time:11:15

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	21.092	34.652	4.51	0.00	24.204	1524.17	
10	21.021	34.651	4.49	0.00	24.223	1524.04	
20	20.777	34.668	4.48	0.00	24.302	1523.57	
30	20.753	34.668	4.47	0.00	24.308	1523.67	
40	20.696	34.677	4.46	0.00	24.330	1523.69	
50	20.564	34.690	4.45	0.00	24.376	1523.51	
75	19.548	34.746	4.18	0.00	24.686	1521.18	
100	19.128	34.791	4.21	0.01	24.829	1520.46	
125	18.545	34.809	4.30	0.02	24.990	1519.23	
150	18.302	34.819	4.34	0.00	25.058	1518.95	
175	18.003	34.813	4.34	0.01	25.128	1518.49	
200	17.820	34.815	4.27	0.01	25.175	1518.38	
250	17.000	34.783	4.05	0.00	25.347	1516.73	
300	15.905	34.701	3.98	0.00	25.540	1514.13	
400	14.779	34.674	4.61	0.00	25.769	1512.22	
500	13.126	34.499	3.65	0.00	25.979	1508.29	

Station: Z22
Latitude:35-19.80N Longitude:142-30.25E Depth:6973m
Date:1997/6/12 Time:13:37

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	21.092	34.619	4.49	0.00	24.179	1524.13	
10	21.055	34.627	4.47	0.00	24.195	1524.11	
20	20.859	34.665	4.47	0.00	24.277	1523.79	
30	20.780	34.667	4.47	0.00	24.300	1523.74	
40	20.738	34.673	4.47	0.00	24.316	1523.80	
50	20.496	34.700	4.47	0.00	24.401	1523.34	
75	19.523	34.797	4.24	0.00	24.731	1521.17	
100	18.663	34.829	4.33	0.00	24.976	1519.18	
125	18.357	34.828	4.38	0.02	25.052	1518.71	
150	18.198	34.825	4.38	0.00	25.089	1518.66	
175	18.025	34.822	4.37	0.00	25.130	1518.57	
200	17.848	34.819	4.32	0.01	25.171	1518.46	
250	17.130	34.799	4.09	0.01	25.329	1517.14	
300	16.144	34.724	4.02	0.00	25.503	1514.89	
400	14.284	34.602	4.08	0.00	25.820	1510.55	
500	11.575	34.383	3.80	0.00	26.189	1502.88	

Station: Z24
Latitude:35-39.85N Longitude:142-20.16E Depth:6466m
Date:1997/6/12 Time:16:00

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
12	21.478	34.616	4.42	0.00	24.071	1525.26	
20	21.444	34.620	4.40	0.00	24.083	1525.31	
30	21.213	34.643	4.40	0.00	24.164	1524.88	
40	21.026	34.666	4.41	0.00	24.232	1524.57	
50	20.578	34.712	4.41	0.00	24.389	1523.58	
75	19.223	34.807	4.24	0.00	24.817	1520.33	
100	18.759	34.806	4.08	0.00	24.934	1519.43	
125	18.353	34.825	4.29	0.00	25.050	1518.70	
150	17.856	34.773	4.13	0.00	25.134	1517.60	
175	17.343	34.768	4.01	0.01	25.254	1516.50	
200	16.910	34.767	4.01	0.01	25.357	1515.61	
250	15.844	34.697	4.03	0.00	25.550	1513.10	
300	14.339	34.586	3.88	0.01	25.796	1509.05	
400	11.580	34.401	3.51	0.00	26.203	1501.27	
500	7.410	34.033	4.01	0.00	26.596	1487.37	

Station: Z26
Latitude:35-59.91N Longitude:142-10.09E Depth:4070m
Date:1997/6/12 Time:18:35

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	19.785	34.446	4.67	0.00	24.396	1520.42	
10	19.785	34.446	4.67	0.00	24.396	1520.42	
20	19.540	34.474	4.63	0.00	24.481	1519.94	
30	18.388	34.503	4.32	0.00	24.795	1516.85	
40	17.787	34.538	4.11	0.00	24.970	1515.30	
50	16.713	34.570	3.86	0.00	25.252	1512.30	
75	15.154	34.579	3.64	0.00	25.614	1507.91	
100	14.382	34.552	3.58	0.00	25.760	1505.84	
125	13.489	34.521	3.53	0.00	25.923	1503.31	
150	12.802	34.481	3.49	0.01	26.030	1501.39	
175	11.810	34.427	3.42	0.01	26.180	1498.38	
200	11.401	34.397	3.40	0.01	26.233	1497.34	
250	10.104	34.343	3.17	0.00	26.421	1493.52	
300	8.335	34.162	3.58	0.00	26.566	1487.63	
400	6.602	34.191	2.48	0.01	26.835	1482.66	
500	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	

Station: Z28
Latitude:36-16.86N Longitude:141-58.96E Depth:2631
Date:1997/6/12 Time:21:15

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	18.968	34.459	4.58	0.00	24.616	1518.05	
10	18.971	34.460	4.61	0.00	24.616	1518.14	
20	18.973	34.460	4.62	0.00	24.615	1518.32	
30	18.584	34.524	4.33	0.00	24.763	1517.44	
40	17.548	34.602	3.94	0.02	25.078	1514.67	
50	16.457	34.615	3.78	0.01	25.346	1511.58	
75	14.705	34.572	3.68	-0.00	25.706	1506.48	
100	12.032	34.227	4.51	0.00	25.983	1497.66	
125	9.681	33.962	5.72	0.01	26.195	1489.47	
150	9.363	33.951	5.82	0.01	26.238	1488.71	
175	9.037	33.937	5.81	0.01	26.280	1487.91	
200	8.704	33.959	5.77	-0.00	26.349	1487.11	
250	9.320	34.199	3.91	0.00	26.439	1490.50	
300	8.993	34.305	2.84	0.00	26.575	1490.26	
400	6.852	34.211	2.41	0.00	26.817	1483.66	
500	4.737	34.037	2.17	0.00	26.941	1476.63	

Station: Z30
Latitude:36-42.52N Longitude:141-50.15E Depth:2188
Date:1997/6/13 Time:02:20

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	20.216	34.537	4.54	0.00	24.352	1521.64	
10	20.222	34.536	4.50	0.00	24.349	1521.74	
20	20.207	34.536	4.48	0.00	24.353	1521.86	
30	18.262	34.606	4.49	0.00	24.905	1516.60	
40	17.578	34.672	3.77	0.00	25.124	1514.84	
50	16.807	34.662	3.76	0.00	25.301	1512.69	
75	15.269	34.640	3.68	0.00	25.635	1508.35	
100	14.493	34.590	3.64	0.00	25.766	1506.24	
125	13.624	34.532	3.63	0.00	25.903	1503.76	
150	12.887	34.491	3.47	0.00	26.021	1501.69	
175	11.446	34.395	3.54	0.00	26.223	1497.08	
200	9.838	34.245	3.78	0.00	26.390	1491.62	
250	6.896	33.845	5.58	0.02	26.523	1480.91	
300	6.208	33.767	5.94	0.00	26.552	1478.93	
400	5.720	33.858	4.30	0.00	26.685	1478.75	
500	5.589	34.041	2.69	0.00	26.846	1480.10	

Station: Z31
Latitude:36-59.88N Longitude:141-40.22E Depth:526m
Date:1997/6/13 Time:04:39

Press	Temp	Sal	Oxy	Trans	Sig-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.272	34.462	4.60	0.00	24.541	1518.94	
10	19.265	34.464	4.56	0.00	24.544	1518.98	
20	19.021	34.469	4.46	0.00	24.610	1518.46	
30	16.525	34.617	3.76	0.00	25.332	1511.46	
40	15.526	34.600	3.61	0.00	25.547	1508.52	
50	14.314	34.554	3.48	0.00	25.776	1504.79	
75	13.525	34.519	3.46	0.00	25.914	1502.60	
100	11.455	34.271	4.21	0.00	26.125	1495.73	
125	8.689	33.880	5.91	0.00	26.290	1485.73	
150	8.730	33.981	5.64	0.00	26.363	1486.41	
175	9.623	34.234	3.83	0.00	26.417	1490.42	
200	9.591	34.296	3.19	0.00	26.471	1490.79	
250	7.395	34.002	4.60	0.00	26.577	1483.04	
300	5.838	33.928	3.81	0.01	26.726	1477.66	
400	4.957	34.028	2.38	0.01	26.910	1475.87	

Station: Z32
Latitude:37-30.10N Longitude:141-30.51E Depth:148m
Date:1997/6/13 Time:07:31

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	11.885	33.597	6.41	0.00	25.521	1494.84	
10	11.873	33.598	6.35	0.00	25.524	1494.88	
20	11.647	33.595	6.34	0.00	25.564	1494.26	
30	11.461	33.600	6.31	0.00	25.602	1493.79	
40	11.026	33.604	6.26	0.00	25.684	1492.44	
50	10.535	33.642	6.21	0.00	25.800	1490.92	
75	9.783	33.765	6.04	0.00	26.024	1488.78	
100	9.645	33.842	5.94	0.00	26.107	1488.78	

Station: KS1
Latitude:35-52.43N Longitude:141-29.76E Depth:2110m
Date:1997/6/13 Time:19:35

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	20.698	34.470	4.90	0.00	24.172	1522.90	
10	20.004	34.422	5.00	0.00	24.320	1521.01	
20	17.517	34.501	4.03	0.00	25.008	1514.13	
30	16.301	34.581	3.90	0.00	25.356	1510.73	
40	15.788	34.559	3.85	0.00	25.456	1509.29	
50	15.414	34.566	3.78	0.00	25.546	1508.30	
75	13.988	34.545	3.64	0.00	25.838	1504.14	
100	13.086	34.499	3.58	0.00	25.987	1501.54	
125	12.545	34.467	3.59	0.00	26.070	1500.10	
150	12.035	34.439	3.49	0.00	26.147	1498.75	
175	11.385	34.412	3.39	0.01	26.247	1496.89	
200	10.722	34.378	3.26	0.01	26.341	1494.94	
250	9.739	34.331	3.09	0.00	26.474	1492.19	
300	8.611	34.280	2.90	0.00	26.615	1488.81	

Station: KS2
Latitude:36-07.59N Longitude:141-29.87E Depth:1703m
Date:1997/6/13 Time:21:18

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	20.340	34.522	4.80	0.00	24.307	1521.98	
10	20.341	34.521	4.80	0.00	24.306	1522.05	
20	20.231	34.522	4.74	0.00	24.336	1521.91	
30	19.549	34.541	4.46	0.00	24.530	1520.21	
40	17.928	34.583	4.08	0.00	24.970	1515.77	
50	16.888	34.614	3.88	0.00	25.245	1512.88	
75	15.737	34.612	3.78	0.00	25.509	1509.77	
100	14.694	34.571	3.70	0.00	25.708	1506.86	
125	13.719	34.526	3.59	0.00	25.880	1504.07	
150	12.636	34.474	3.49	0.01	26.057	1500.83	
175	11.775	34.422	3.48	0.00	26.183	1498.25	
200	11.166	34.386	3.43	0.00	26.267	1496.51	
250	8.620	34.023	5.32	0.01	26.413	1487.70	
300	7.428	33.980	4.57	0.00	26.556	1483.96	

Station: KS3
Latitude:36-22.65N Longitude:141-30.20E Depth:1669m
Date:1997/6/13 Time:23:11

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	21.152	34.554	4.63	0.00	24.113	1524.22	
10	21.151	34.555	4.62	0.00	24.114	1524.29	
20	20.970	34.556	4.64	0.00	24.164	1523.97	
30	20.864	34.558	4.62	0.00	24.194	1523.85	
40	20.074	34.584	4.42	0.00	24.425	1521.88	
50	18.431	34.615	4.09	0.00	24.870	1517.43	
75	16.037	34.613	3.85	0.00	25.441	1510.70	
100	15.251	34.593	4.14	0.00	25.603	1508.65	
125	14.481	34.568	3.97	0.01	25.751	1506.59	
150	13.585	34.527	3.69	0.01	25.908	1504.05	
175	12.566	34.471	3.73	0.00	26.069	1501.00	
200	11.359	34.391	3.57	0.00	26.236	1497.19	
250	8.828	34.123	4.28	0.00	26.459	1488.60	
300	6.477	33.807	5.70	0.00	26.549	1480.04	

Station: KS4
Latitude:36-36.93N Longitude:141-30.00E Depth:900m
Date:1997/6/14 Time:00:50

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
11	20.789	34.579	4.61	0.00	24.231	1523.35	
20	20.592	34.586	4.56	0.00	24.289	1522.97	
30	20.554	34.583	4.53	0.00	24.296	1523.03	
40	18.481	34.613	4.13	0.00	24.856	1517.41	
50	17.485	34.635	3.98	0.00	25.118	1514.69	
75	16.350	34.598	3.89	0.00	25.358	1511.64	
100	14.974	34.591	3.72	0.00	25.662	1507.77	
125	13.805	34.542	3.63	0.00	25.873	1504.37	
150	12.700	34.487	3.52	0.00	26.055	1501.06	
175	11.758	34.426	3.47	0.01	26.189	1498.20	
200	10.606	34.320	3.67	0.00	26.316	1494.46	
250	8.077	34.017	5.20	0.00	26.490	1485.66	
300	7.014	33.919	5.08	0.00	26.565	1482.28	

Station: KS5
Latitude:36-52.28N Longitude:141-30.00E Depth:464m
Date:1997/6/14 Time:02:47

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
11	19.851	34.497	4.83	0.00	24.417	1520.68	
20	19.229	34.489	4.69	0.00	24.572	1519.08	
30	18.108	34.530	4.33	0.00	24.886	1516.07	
40	16.733	34.551	4.05	0.00	25.232	1512.17	
50	16.221	34.577	3.90	0.00	25.372	1510.81	
75	15.009	34.579	3.70	0.00	25.645	1507.46	
100	13.656	34.525	3.56	0.00	25.892	1503.45	
125	12.366	34.471	3.43	0.00	26.108	1499.50	
150	11.374	34.420	3.30	0.00	26.256	1496.45	
175	10.120	34.304	3.49	0.00	26.388	1492.30	
200	9.522	34.232	3.72	0.03	26.432	1490.46	
250	8.546	34.240	3.14	0.00	26.594	1487.69	
300	7.126	34.102	3.32	0.00	26.694	1482.95	

Station: KS6
Latitude:37-03.54N Longitude:141-30.22E Depth:255m
Date:1997/6/14 Time:05:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	17.080	33.950	5.32	0.01	24.690	1511.97	
10	17.014	33.958	5.29	0.00	24.711	1511.84	
20	13.145	33.743	5.90	0.00	25.390	1499.52	
30	10.761	33.783	5.86	0.00	25.870	1491.56	
40	9.916	33.794	5.86	0.00	26.024	1488.72	
50	9.613	33.805	5.89	0.00	26.084	1487.80	
75	9.058	33.952	5.69	0.00	26.288	1486.36	
100	8.910	33.952	5.71	0.00	26.312	1486.22	
125	8.616	33.922	5.80	0.00	26.334	1485.51	
150	8.540	33.942	5.68	0.00	26.361	1485.66	
175	8.053	33.907	5.72	0.00	26.408	1484.19	
200	7.346	33.872	5.76	0.00	26.482	1481.86	

Station: P4
Latitude:36-08.83N Longitude:142-41.77E Depth:7609m
Date:1997/6/14 Time:15:37

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.153	34.434	5.02	0.00	24.550	1518.57	
10	19.133	34.434	5.01	0.00	24.555	1518.58	
20	18.581	34.431	5.02	0.00	24.692	1517.16	
30	16.616	34.506	4.09	0.00	25.226	1511.60	
40	15.791	34.507	3.89	0.00	25.416	1509.24	
50	14.587	34.525	3.67	0.00	25.695	1505.63	
75	13.521	34.518	3.60	0.02	25.914	1502.59	
100	12.276	34.461	3.45	0.01	26.117	1498.77	
125	11.639	34.424	3.39	0.00	26.210	1496.96	
150	11.102	34.388	3.38	0.00	26.280	1495.46	
175	10.308	34.349	3.27	0.01	26.391	1493.02	
200	9.496	34.316	3.11	-0.00	26.502	1490.47	
250	8.350	34.260	2.89	0.00	26.640	1486.99	
300	6.856	34.218	2.51	0.00	26.823	1482.05	
400	4.907	34.239	1.71	0.00	27.083	1475.94	
500	4.229	34.235	1.34	0.00	27.154	1474.79	
600	3.678	34.277	1.02	0.00	27.244	1474.18	
700	3.310	34.317	0.83	0.00	27.311	1474.32	
800	3.164	34.372	0.88	0.00	27.368	1475.42	
1000	2.876	34.430	0.91	0.00	27.442	1477.58	

Station: KS7
Latitude:35-52.71N Longitude:142-30.25E Depth:8128m
Date:1997/6/14 Time:19:37

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
10	21.787	34.466	4.66	0.00	23.871	1525.88	
10	21.787	34.466	4.66	0.00	23.871	1525.88	
20	21.171	34.512	4.70	0.00	24.076	1524.46	
30	20.819	34.538	4.61	0.00	24.191	1523.71	
40	19.683	34.581	4.31	0.00	24.525	1520.79	
50	18.426	34.622	3.99	0.00	24.877	1517.43	
75	17.293	34.653	4.19	0.00	25.178	1514.55	
100	16.073	34.637	4.39	0.00	25.452	1511.26	
125	15.243	34.631	4.23	0.01	25.634	1509.08	
150	14.501	34.611	4.49	0.02	25.781	1507.12	
175	13.609	34.547	4.17	0.00	25.918	1504.56	
200	13.244	34.513	3.92	0.00	25.966	1503.73	
250	10.757	34.359	3.51	0.01	26.319	1495.87	
300	9.205	34.241	3.41	0.00	26.491	1490.96	

Station: KS11
Latitude:36-52.17N Longitude:142-29.57E Depth:9686m
Date:1997/6/15 Time:03:01

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	20.358	34.484	4.70	0.00	24.273	1521.97	
10	18.814	34.570	4.34	0.00	24.740	1517.82	
20	16.353	34.608	3.82	0.00	25.365	1510.75	
30	15.794	34.609	3.76	0.00	25.494	1509.20	
40	14.695	34.563	3.68	0.00	25.701	1505.86	
50	14.049	34.526	3.61	0.00	25.811	1503.90	
75	12.027	34.445	3.44	0.00	26.153	1497.49	
100	11.034	34.382	3.38	0.01	26.288	1494.40	
125	10.777	34.371	3.34	0.02	26.326	1493.89	
150	10.463	34.360	3.27	0.01	26.373	1493.18	
175	9.739	34.295	3.37	0.00	26.445	1490.91	
200	9.166	34.263	3.29	0.00	26.514	1489.19	
250	8.178	34.230	2.98	0.01	26.642	1486.30	
300	7.331	34.206	2.71	0.01	26.747	1483.87	

Station: KS8
Latitude:36-07.52N Longitude:142-29.92E Depth:9755m
Date:1997/6/14 Time:21:30

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
5	19.273	34.431	5.01	0.00	24.517	1518.89	
10	19.033	34.444	4.94	0.00	24.588	1518.30	
20	17.118	34.512	4.10	0.00	25.111	1512.96	
30	16.117	34.529	3.84	0.00	25.359	1510.11	
40	15.260	34.537	3.73	0.00	25.557	1507.62	
50	14.787	34.559	3.69	0.00	25.678	1506.31	
75	13.170	34.498	3.50	0.00	25.970	1501.40	
100	12.277	34.448	3.43	0.00	26.107	1498.76	
125	11.637	34.418	3.39	0.01	26.205	1496.94	
150	10.660	34.315	3.67	0.00	26.303	1493.82	
175	10.566	34.377	3.15	0.00	26.368	1493.97	
200	9.920	34.348	3.04	0.00	26.457	1492.04	
250	7.805	34.083	3.89	0.01	26.583	1484.71	
300	7.437	34.265	2.50	0.00	26.778	1484.35	

Station: KS12
Latitude:37-07.28N Longitude:142-29.48E Depth:9758m
Date:1997/6/15 Time:04:53

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.178	34.397	5.06	0.00	24.515	1518.60	
10	18.837	34.435	5.00	0.00	24.631	1517.73	
20	16.614	34.572	4.04	0.00	25.276	1511.51	
30	15.398	34.558	3.79	0.00	25.543	1507.91	
40	14.741	34.543	3.69	0.00	25.676	1505.98	
50	13.642	34.525	3.56	0.00	25.894	1502.58	
75	12.394	34.464	3.47	0.00	26.097	1498.76	
100	11.034	34.367	3.52	0.00	26.276	1494.38	
125	9.004	34.081	5.02	0.00	26.398	1487.14	
150	7.491	33.893	5.89	0.00	26.478	1481.63	
175	6.203	33.773	6.06	0.00	26.557	1476.87	
200	5.055	33.615	6.20	0.01	26.571	1472.47	
250	4.720	33.634	5.63	0.00	26.623	1471.94	
300	3.942	33.645	4.76	0.01	26.714	1469.54	

Station: KS9
Latitude:36-22.28N Longitude:142-30.03E Depth:4640m
Date:1997/6/14 Time:23:15

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
7	19.614	34.423	4.84	0.00	24.422	1519.87	
10	19.447	34.439	4.84	0.00	24.478	1519.47	
20	16.922	34.556	4.13	0.00	25.192	1512.42	
30	15.794	34.573	3.83	0.00	25.466	1509.16	
40	14.766	34.575	3.69	0.00	25.695	1506.10	
50	13.817	34.537	3.57	0.00	25.868	1503.16	
75	12.332	34.456	3.48	0.00	26.103	1498.54	
100	11.415	34.416	3.35	0.00	26.245	1495.76	
125	8.838	34.048	4.75	0.00	26.398	1486.48	
150	7.951	33.905	5.55	0.02	26.421	1483.40	
175	7.891	33.910	5.55	0.02	26.433	1483.59	
200	7.959	33.953	5.31	0.00	26.458	1484.31	
250	6.916	33.860	5.51	0.00	26.532	1481.01	
300	7.643	34.272	2.52	0.01	26.755	1485.15	

Station: KS13
Latitude:36-30.10N Longitude:143-09.92E Depth:7286m
Date:1997/6/15 Time:08:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
12	18.885	34.404	5.00	0.00	24.595	1517.87	
20	17.730	34.280	4.88	0.00	24.787	1514.51	
30	14.128	33.837	5.55	0.00	25.262	1503.02	
40	14.566	34.454	4.09	0.00	25.645	1505.32	
50	14.404	34.528	3.79	0.00	25.737	1505.05	
75	12.916	34.488	3.54	0.02	26.013	1500.55	
100	11.896	34.438	3.48	0.01	26.172	1497.45	
125	10.760	34.381	3.30	0.00	26.337	1493.84	
150	10.357	34.359	3.21	0.00	26.390	1492.80	
175	9.403	34.256	3.45	0.01	26.471	1489.64	
200	9.039	34.296	2.98	-0.01	26.560	1488.77	
250	7.681	34.250	2.64	0.00	26.732	1484.44	
300	6.697	34.209	2.44	0.00	26.836	1481.41	

Station: KS10
Latitude:36-37.45N Longitude:142-29.97E Depth:9056m
Date:1997/6/15 Time:01:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
6	19.265	34.309	4.93	0.00	24.426	1518.74	
10	19.256	34.314	4.89	0.00	24.432	1518.79	
20	16.457	34.412	4.27	0.00	25.190	1510.84	
30	14.975	34.434	3.97	0.00	25.541	1506.43	
40	14.339	34.473	3.81	0.00	25.708	1504.61	
50	13.682	34.502	3.62	0.00	25.868	1502.68	
75	12.321	34.467	3.47	0.00	26.113	1498.52	
100	11.025	34.390	3.34	0.00	26.296	1494.37	
125	10.090	34.305	3.47	0.00	26.394	1491.36	
150	8.138	34.054	4.51	0.00	26.510	1484.29	
175	6.998	33.847	5.53	0.01	26.511	1480.08	
200	7.002	33.856	5.48	0.02	26.518	1480.51	
250	7.919	34.225	2.94	-0.00	26.677	1485.32	
300	6.999	34.189	2.67	0.00	26.780	1482.56	

Station: KS14
Latitude:36-30.00N Longitude:142-49.89E Depth:9744m
Date:1997/6/15 Time:10:25

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	19.596	34.456	4.82	0.00	24.453	1519.78	
10	19.449	34.457	4.82	0.00	24.491	1519.49	
20	18.823	34.450	4.88	0.00	24.646	1517.88	
30	16.143	34.536	3.99	0.00	25.358	1510.19	
40	14.719	34.531	3.69	0.00	25.671	1505.90	
50	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
75	13.135	34.491	3.53	0.01	25.971	1501.28	
100	12.193	34.449	3.44	0.01	26.125	1498.48	
125	11.191	34.411	3.28	0.00	26.282	1495.39	
150	10.444	34.357	3.26	0.00	26.373	1493.11	
175	9.891	34.331	3.17	0.01	26.448	1491.50	
200	9.319	34.291	3.15	0.02	26.511	1489.79	
250	6.655	34.233	2.33	0.00	26.862	1480.46	
300	5.309	34.235	1.85	0.00	27.033	1475.93	

Station: KS15
Latitude:36-30.00N Longitude:142-30.26 Depth:4272m
Date:1997/6/15 Time:12:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	19.985	34.276	4.88	0.00	24.213	1520.66	
10	19.108	34.300	4.92	0.03	24.459	1518.36	
20	16.238	34.391	4.17	0.01	25.224	1510.15	
30	15.171	34.435	3.95	0.01	25.499	1507.05	
40	14.401	34.456	3.81	0.01	25.682	1504.79	
50	13.944	34.449	3.78	0.01	25.773	1503.47	
75	12.488	34.468	3.46	0.00	26.081	1499.09	
100	11.502	34.417	3.33	0.00	26.230	1496.07	
125	10.037	34.241	3.96	0.00	26.353	1491.10	
150	9.646	34.253	3.63	0.00	26.428	1490.11	
175	7.197	33.868	5.46	0.00	26.500	1480.87	
200	8.758	34.266	3.06	0.00	26.581	1487.69	
250	7.371	34.174	2.93	0.00	26.716	1483.16	
300	6.804	34.181	2.64	0.00	26.800	1481.80	

Station: KS16
Latitude:36-29.89N Longitude:142-10.15 Depth:3228m
Date:1997/6/15 Time:14:00

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	20.479	34.492	4.75	0.00	24.248	1522.26	
10	19.859	34.481	4.80	0.00	24.403	1520.67	
20	18.916	34.368	4.81	0.00	24.559	1518.05	
30	16.726	34.312	4.53	0.00	25.051	1511.71	
40	13.784	34.081	4.83	0.00	25.521	1502.35	
50	13.337	34.265	4.50	0.00	25.756	1501.27	
75	13.104	34.460	3.75	0.00	25.954	1501.14	
100	9.660	33.897	5.82	0.01	26.148	1488.90	
125	10.903	34.363	3.47	0.01	26.297	1494.33	
150	8.877	34.107	4.90	0.00	26.438	1487.11	
175	8.071	33.953	6.01	0.00	26.441	1484.32	
200	7.151	33.888	5.96	0.00	26.522	1481.13	
250	4.723	33.567	6.49	0.01	26.570	1471.86	
300	4.049	33.533	6.05	0.01	26.614	1469.85	

Station: KS17
Latitude:36-30.05N Longitude:141-50.51E Depth:2222m
Date:1997/6/15 Time:15:45

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.503	34.584	4.57	0.00	24.040	1525.13	
10	20.718	34.579	4.60	0.00	24.249	1523.14	
20	20.549	34.581	4.59	0.00	24.296	1522.85	
30	19.695	34.601	4.59	0.00	24.537	1520.68	
40	17.752	34.645	3.93	0.00	25.061	1515.32	
50	16.834	34.652	3.84	0.00	25.286	1512.76	
75	15.710	34.615	3.77	0.01	25.517	1509.69	
100	14.698	34.577	3.70	0.01	25.712	1506.88	
125	13.327	34.514	3.62	0.00	25.950	1502.77	
150	12.380	34.461	3.53	0.00	26.097	1499.95	
175	11.791	34.421	3.48	0.00	26.179	1498.31	
200	11.126	34.384	3.44	0.01	26.273	1496.37	
250	8.889	34.111	4.60	0.01	26.439	1488.81	
300	6.815	33.865	5.45	0.00	26.550	1481.44	

Station: KS18
Latitude:36-30.08N Longitude:141-30.14E Depth:1265m
Date:1997/6/15 Time:17:22

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.162	34.551	4.58	0.00	24.108	1524.18	
10	21.140	34.551	4.60	0.01	24.114	1524.25	
20	20.973	34.551	4.61	0.01	24.159	1523.97	
30	20.762	34.555	4.59	0.02	24.220	1523.57	
40	18.473	34.634	4.04	0.01	24.875	1517.41	
50	17.747	34.648	3.88	0.02	25.065	1515.48	
75	15.927	34.615	4.01	0.00	25.468	1510.37	
100	14.905	34.587	3.81	0.01	25.674	1507.55	
125	13.937	34.536	3.63	0.01	25.842	1504.79	
150	12.901	34.491	3.51	0.01	26.019	1501.74	
175	11.918	34.435	3.47	0.00	26.166	1498.76	
200	10.119	34.235	4.19	0.00	26.334	1492.62	
250	7.867	33.961	5.53	0.00	26.477	1484.79	
300	5.867	33.768	5.56	0.00	26.596	1477.58	

Station: KS19
Latitude:36-30.01N Longitude:141-10.23E Depth:654m
Date:1997/6/15 Time:19:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	20.660	34.555	4.72	0.00	24.247	1522.82	
10	20.526	34.556	4.73	0.00	24.283	1522.59	
20	20.076	34.572	4.72	0.00	24.415	1521.54	
30	19.461	34.584	4.67	0.00	24.585	1520.00	
40	17.592	34.618	4.18	0.00	25.079	1514.82	
50	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
75	15.415	34.636	3.76	0.00	25.600	1508.80	
100	14.349	34.554	3.64	0.02	25.769	1505.73	
125	12.747	34.446	3.73	0.01	26.014	1500.76	
150	9.980	33.983	5.02	0.01	26.162	1490.99	
175	10.410	34.302	3.78	0.00	26.337	1493.33	
200	9.844	34.235	3.88	0.00	26.381	1491.63	
250	9.544	34.306	3.15	0.02	26.486	1491.45	
300	8.161	34.224	3.02	0.00	26.640	1487.05	

Station: KS27
Latitude:36-29.98N Longitude:143-19.87E Depth:5907
Date:1997/6/16 Time:05:25

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	18.218	34.209	5.17	0.00	24.613	1515.56	
10	16.851	34.073	5.46	0.00	24.838	1511.49	
20	15.402	33.885	5.47	0.00	25.024	1506.97	
30	13.800	34.026	5.23	0.00	25.476	1502.17	
40	15.049	34.538	3.87	0.00	25.605	1506.95	
50	14.189	34.495	3.86	0.00	25.757	1504.32	
75	13.202	34.505	3.64	0.00	25.969	1501.51	
100	11.869	34.426	3.53	0.01	26.168	1497.34	
125	11.337	34.407	3.40	0.02	26.252	1495.89	
150	10.437	34.360	3.28	0.01	26.377	1493.09	
175	9.895	34.325	3.24	0.00	26.442	1491.51	
200	9.228	34.270	3.27	0.00	26.510	1489.43	
250	7.327	34.055	3.94	0.01	26.629	1482.84	
300	6.607	34.101	2.95	0.01	26.763	1480.92	

Station: KS28
Latitude:36-29.95N Longitude:143-39.78E Depth:6153
Date:1997/6/16 Time:07:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.238	34.520	4.55	0.00	24.064	1524.35	
10	21.036	34.520	4.56	0.00	24.119	1523.94	
20	19.535	34.504	4.47	0.00	24.505	1519.96	
30	18.474	34.517	4.30	0.00	24.785	1517.11	
40	17.515	34.559	3.95	0.00	25.052	1514.52	
50	16.477	34.576	3.80	0.00	25.311	1511.59	
75	15.130	34.626	3.89	0.00	25.655	1507.89	
100	14.115	34.555	3.70	0.00	25.819	1504.98	
125	12.308	34.475	3.61	0.00	26.122	1499.31	
150	11.337	34.388	3.46	0.02	26.237	1496.28	
175	9.877	34.195	4.15	0.01	26.344	1491.29	
200	9.760	34.255	3.72	0.01	26.410	1491.35	
250	8.406	34.108	4.16	0.00	26.512	1487.01	
300	7.733	34.090	3.92	0.01	26.598	1485.26	

Station: KS29
Latitude:36-30.19N Longitude:143-59.95E Depth:8981
Date:1997/6/16 Time:08:41

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.909	34.533	4.51	0.00	23.889	1526.14	
10	21.907	34.533	4.49	0.00	23.889	1526.27	
20	21.000	34.534	4.63	0.00	24.139	1524.02	
30	19.472	34.620	4.16	0.00	24.609	1520.08	
40	18.718	34.656	4.19	0.00	24.830	1518.14	
50	18.084	34.699	4.08	0.00	25.021	1516.52	
75	17.162	34.714	4.12	0.00	25.256	1514.23	
100	16.277	34.685	4.13	0.02	25.442	1511.94	
125	15.180	34.634	4.47	0.00	25.651	1508.89	
150	11.558	34.603	4.33	0.00	25.761	1507.29	
175	13.656	34.540	3.85	0.01	25.904	1504.71	
200	12.862	34.496	3.79	0.02	26.030	1502.44	
250	11.207	31.374	3.51	0.00	26.251	1497.46	
300	8.716	34.235	3.26	0.00	26.564	1489.14	

Station: KS30
Latitude:36-40.07N Longitude:143-44.86E Depth:6208
Date:1997/6/16 Time:10:10

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.704	34.510	4.57	0.00	23.928	1525.58	
10	21.629	34.510	4.56	0.00	23.949	1525.51	
20	20.918	34.537	4.52	0.00	24.163	1523.80	
30	19.095	34.627	4.22	0.00	24.712	1519.02	
40	18.260	34.649	4.18	0.00	24.939	1516.81	
50	17.770	34.673	4.17	0.00	25.078	1515.57	
75	16.859	34.702	4.14	0.01	25.319	1513.31	
100	15.983	34.681	4.06	0.00	25.506	1511.03	
125	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
150	12.946	34.476	3.67	0.01	25.998	1501.87	
175	11.325	34.351	3.67	0.01	26.211	1496.61	
200	10.678	34.346	3.47	0.01	26.324	1494.75	
250	8.299	34.019	4.74	0.00	26.459	1486.49	
300	8.750	34.295	2.88	0.00	26.605	1489.34	

Station: KS31
Latitude:36-50.11N Longitude:143-29.62E Depth:6992
Date:1997/6/16 Time:11:40

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.408	34.531	4.59	0.00	24.026	1524.81	
10	20.154	34.528	4.74	0.00	24.361	1521.54	
20	18.729	34.535	4.27	0.00	24.734	1517.70	
30	17.500	34.590	3.96	0.00	25.080	1514.35	
40	16.772	34.580	3.89	0.00	25.246	1512.33	
50	16.005	34.589	3.79	0.00	25.430	1510.16	
75	14.313	34.549	3.63	0.00	25.772	1505.20	
100	13.414	34.513	3.65	0.01	25.932	1502.64	
125	12.355	34.439	3.70	-0.00	26.085	1499.43	
150	10.834	34.303	3.82	0.00	26.263	1494.42	
175	9.982	34.224	3.94	0.01	26.349	1491.70	
200	9.297	34.182	3.98	0.02	26.430	1489.57	
250	8.943	34.289	3.00	0.00	26.570	1489.23	
300	6.406	33.966	3.85	0.00	26.683	1479.96	

Station: KS32
Latitude:37-00.39N Longitude:143-14.65E Depth:6583
Date:1997/6/16 Time:13:05

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	21.112	34.552	4.63	0.00	24.122	1524.04	
10	20.817	34.558	4.73	0.02	24.207	1523.39	
20	19.329	34.538	4.41	0.02	24.584	1519.41	
30	17.921	34.563	4.09	0.01	24.957	1515.56	
40	16.921	34.639	3.91	0.01	25.256	1512.84	
50	16.093	34.617	3.80	0.00	25.432	1510.47	
75	14.771	34.557	3.69	0.00	25.681	1506.67	
100	13.448	34.462	3.76	0.01	25.886	1502.69	
125	12.495	34.447	3.71	0.02	26.064	1499.91	
150	11.312	34.386	3.48	0.01	26.241	1496.20	
175	10.613	34.343	3.49	0.00	26.333	1494.10	
200	9.728	34.234	3.81	0.00	26.399	1491.21	
250	8.539	34.202	3.50	0.00	26.566	1487.62	
300	7.471	34.125	3.37	0.00	26.664	1484.31	

Station: KS33
Latitude:37-10.28N Longitude:142-59.97E Depth:5022m
Date:1997/6/16 Time:14:34

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	19.888	34.501	4.80	0.00	24.410	1520.64	
10	19.789	34.501	4.79	0.00	24.437	1520.50	
20	19.432	34.499	4.78	0.00	24.527	1519.66	
30	18.543	34.512	4.48	0.00	24.764	1517.31	
40	16.699	34.549	3.97	0.00	25.239	1512.07	
50	15.912	34.594	3.82	0.00	25.455	1509.88	
75	14.224	34.551	3.73	0.00	25.793	1504.91	
100	13.168	34.502	3.68	0.01	25.973	1501.81	
125	11.819	34.390	3.65	0.01	26.150	1497.54	
150	10.506	34.337	3.49	0.00	26.347	1493.30	
175	10.007	34.318	3.34	0.00	26.418	1491.91	
200	9.183	34.232	3.55	0.00	26.488	1489.22	
250	8.029	34.148	3.58	0.01	26.600	1485.64	
300	5.705	33.849	4.29	0.00	26.679	1477.03	

Station: KS34
Latitude:37-19.80N Longitude:142-45.08E Depth:2700m
Date:1997/6/16 Time:16:03

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	20.065	34.449	4.77	0.00	24.324	1521.07	
10	20.069	34.450	4.76	0.00	24.324	1521.22	
20	16.543	34.529	3.97	0.00	25.260	1511.24	
30	15.782	34.551	3.81	0.00	25.452	1509.10	
40	14.347	34.534	3.69	0.00	25.753	1504.71	
50	13.528	34.480	3.65	0.00	25.883	1502.15	
75	11.470	34.407	3.45	0.00	26.228	1495.53	
100	10.925	34.386	3.33	0.00	26.311	1494.02	
125	10.125	34.338	3.27	0.00	26.413	1491.53	
150	9.154	34.239	3.56	0.01	26.498	1488.30	
175	4.699	33.553	6.42	0.01	26.562	1470.52	
200	3.830	33.457	6.44	0.01	26.576	1467.19	
250	4.139	33.593	5.55	0.00	26.653	1469.48	
300	3.630	33.625	4.35	0.01	26.729	1468.20	

Station: KS35
Latitude:37-30.29N Longitude:142-30.33E Depth:1243m
Date:1997/6/16 Time:19:02

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	12.913	33.053	6.15	0.00	24.902	1497.63	
10	12.553	33.065	6.22	0.00	24.981	1496.56	
20	10.703	33.389	6.72	0.00	25.573	1490.71	
30	7.311	33.350	7.09	0.00	26.077	1478.29	
40	4.840	33.213	7.06	0.00	26.277	1468.45	
50	2.341	33.065	7.17	0.00	26.395	1457.86	
75	1.230	33.058	6.96	0.00	26.469	1453.35	
100	2.095	33.228	6.67	0.01	26.545	1457.81	
125	2.622	33.308	6.57	0.03	26.567	1460.62	
150	3.359	33.421	6.25	0.02	26.593	1464.34	
175	3.841	33.523	5.76	0.01	26.627	1466.92	
200	3.987	33.593	5.33	-0.00	26.668	1468.03	
250	3.257	33.617	3.99	0.00	26.757	1465.79	
300	3.842	33.768	3.14	0.00	26.822	1469.28	

Station: KS36
Latitude:37-10.90N Longitude:142-10.86E Depth:1506m
Date:1997/6/16 Time:22:04

Press	Temp	Sal	Oxy	Trans	Sig.-t	P.temp	D.M.
[dBar]	[°C]	[PSU]	[ml/L]	[%]	[Kg/m ³]	[°C]	
2	14.516	33.640	5.99	0.00	25.028	1503.58	
10	13.544	33.617	6.29	0.00	25.213	1500.52	
20	11.831	33.631	6.67	0.00	25.558	1494.94	
30	10.778	33.738	6.31	0.00	25.832	1491.56	
40	9.937	33.899	5.85	0.00	26.103	1488.92	
50	9.280	33.956	5.76	0.00	26.256	1486.77	
75	9.006	33.970	5.83	0.00	26.311	1486.19	
100	7.834	33.907	5.76	0.00	26.440	1482.13	
125	-0.000	-0.000	-0.00	-0.00	-0.000	-0.00	
150	6.437	33.775	6.00	0.00	26.529	1477.38	
175	5.749	33.686	6.15	0.00	26.545	1474.95	
200	5.032	33.596	6.22	0.00	26.559	1472.35	
250	4.087	33.521	5.90	0.01	26.601	1469.17	
300	3.746	33.575	4.79	0.01	26.678	1468.63	