

**Preliminary Report  
of  
The Hakuho Maru Cruise  
KH-91-5 and KH-93-2**

**(WOCE, WESTPAC)**

**13 August — 2 October 1991**

**13 May — 18 June 1993**

**Studies on Ocean Circulations in the North Pacific**

**Ocean Research Institute  
University of Tokyo  
1994**

Preliminary Report  
of  
The Hakuho Maru Cruise  
KH-91-5 and KH-93-2

(WOCE, WESTPAC)

13 August - 2 October 1991

13 May - 18 June 1993

Studies on Ocean Circulations in the North Pacific

by

The Scientific Members of the Cruise

Edited by

Keisuke TAIRA and Masaki KAWABE

## Contents

1. On the Cruise KH-91-5 and KH-93-2 of the R.V. Hakuho Maru	1
2. List of Scientists Aboard .....	2
3. Track Charts.....	4
4. Time Tables.....	7
5. Summary of Observation stations.....	12
6. Mooring Systems.....	24
7. CTDO <sub>2</sub> Data.....	29
8. XBT Data.....	87
9. Charts of Surface Currents .....	100
10. Vertical Sections of CTDO <sub>2</sub> Data.....	103
11. Vertical Sections of XBT Data.....	109
12. Results of Moored Current Meters on 165°E .....	112
13. Global Distribution of Background Aerosol Particles and Effects of Continental Aerosol Particles on them. II. Measured Results over the West Pacific Ocean .....	116

## 1. On the Cruises KH-91-5 and KH-93-2 of the R.V. Hakuho Maru

Deep waters to fill the North Pacific Ocean come from the southern hemisphere across the meridian of 165°E. Two cruises of the R.V. Hakuho Maru were carried out in 1991 (13 August – 2 October, KH-91-5) and in 1993 (13 May – 18 June, KH-93-2) along 165°E from 48°N to 5°S.

Main purpose of the cruises is to collect temperature, salinity and dissolved oxygen data at the full depth. A model of the NBIS CTD, Mark IIIb, was used for the cruise in 1991. Calibration tests for temperature and pressure sensors were made at the Ocean Research Institute. A model of the SBE CTD, model 11-plus, was used for the cruise in 1993, and the calibration was made by the SBE. Intercomparison was made in both cruises by using sampled water collected with a Rosette Multi-bottle sampler. The CTD data are processed by Prof. Masaki Kawabe. Chemical properties of the sampled water were examined by Dr. Shuichi Watanabe. The hydrographic survey is planned to meet requirements of the World Ocean Circulation Experiment Hydrographic Programme on the WHP-P13 along 165°E. Current measurements were made by using 5 mooring lines which were set in KH-91-5 and recovered in KH-93-5, and by using sofar floats.

Hydrographic studies are made on the formation and distribution of the subtropical mode water in the east to Honshu during the cruise of KH-93-2. Prof. Kimio Hanawa is responsible for the data. A surface buoy and three subsurface moorings were deployed in the study area, and Prof. Keisuke Taira is responsible for the moorings.

Two scientists from China and Thailand participated in the cruises sponsored by the Unesco-IOC Westpac Programme.

The hydrographic data are already submitted to the Japan Oceanographic Data Center for the cooperative research.

Keisuke Taira, Chief Scientist

## 2. List of Scientists Aboard

### Scientists aboard the KH-91-5 Cruise

TAIRA, Keisuke	Ocean Research Institute, University of Tokyo
KAWABE, Masaki	Ocean Research Institute, University of Tokyo
UEHARA, Katsuto	Ocean Research Institute, University of Tokyo
KITAGAWA, Shoji	Ocean Research Institute, University of Tokyo
MIZUTA, Genta	Ocean Research Institute, University of Tokyo
YANAGIMOTO, Daigo	Ocean Research Institute, University of Tokyo
NAMBU, Masami	Ocean Research Institute, University of Tokyo
OTOBE, Hirotaka	Ocean Research Institute, University of Tokyo
NAKATA, Minoru* <sup>2</sup>	Center for Climate System Research, University of Tokyo
UMEDA, Takafumi	Center for Climate System Research, University of Tokyo
WATANABE, Shuichi	Faculty of Fisheries, Hokkaido University
HIGASHITANI, Naoto	Faculty of Fisheries, Hokkaido University
TOKIEDA, Takayuki	Faculty of Fisheries, Hokkaido University
ONO, Tsuneo	Faculty of Fisheries, Hokkaido University
SUGIYAMA, Izumi	Faculty of Fisheries, Hokkaido University
TANJI, Tatsuo* <sup>1</sup>	Faculty of Engineering, Muroran University of Technology
OKINO, Michio	Faculty of Engineering, Muroran University of Technology
KINOSHITA, Hideki	Faculty of Science, Tohoku University
YASUDA, Tamaki	Faculty of Science, Tohoku University
YOSHIMURA, Tomoichi	Faculty of Science, Tohoku University
NISHIGAKI, Hajime* <sup>1</sup>	Faculty of Science, Kyoto University
SUGIYAMA, Masataka	Kobe University of Mercantile Marine
ICHIKAWA, Hiroshi* <sup>1</sup>	Faculty of Fisheries, Kagoshima University
FUJIMOTO, Kenji	Faculty of Fisheries, Kagoshima University
YAMASHITA, Keiichi	Faculty of Fisheries, Kagoshima University
YAMASHIRO, Toru	Faculty of Engineering, Kagoshima University
UEJIMA, Kazuki	Faculty of Engineering, Kagoshima University
MIURA, Kazuhiko	Faculty of Science, Science University of Tokyo
GUO, Xiaogang	State Oceanic Administration, China

\*<sup>1</sup> Participating Leg-1

\*<sup>2</sup> Participating Leg-2

## Scientists aboard the KH-93-2 Cruise

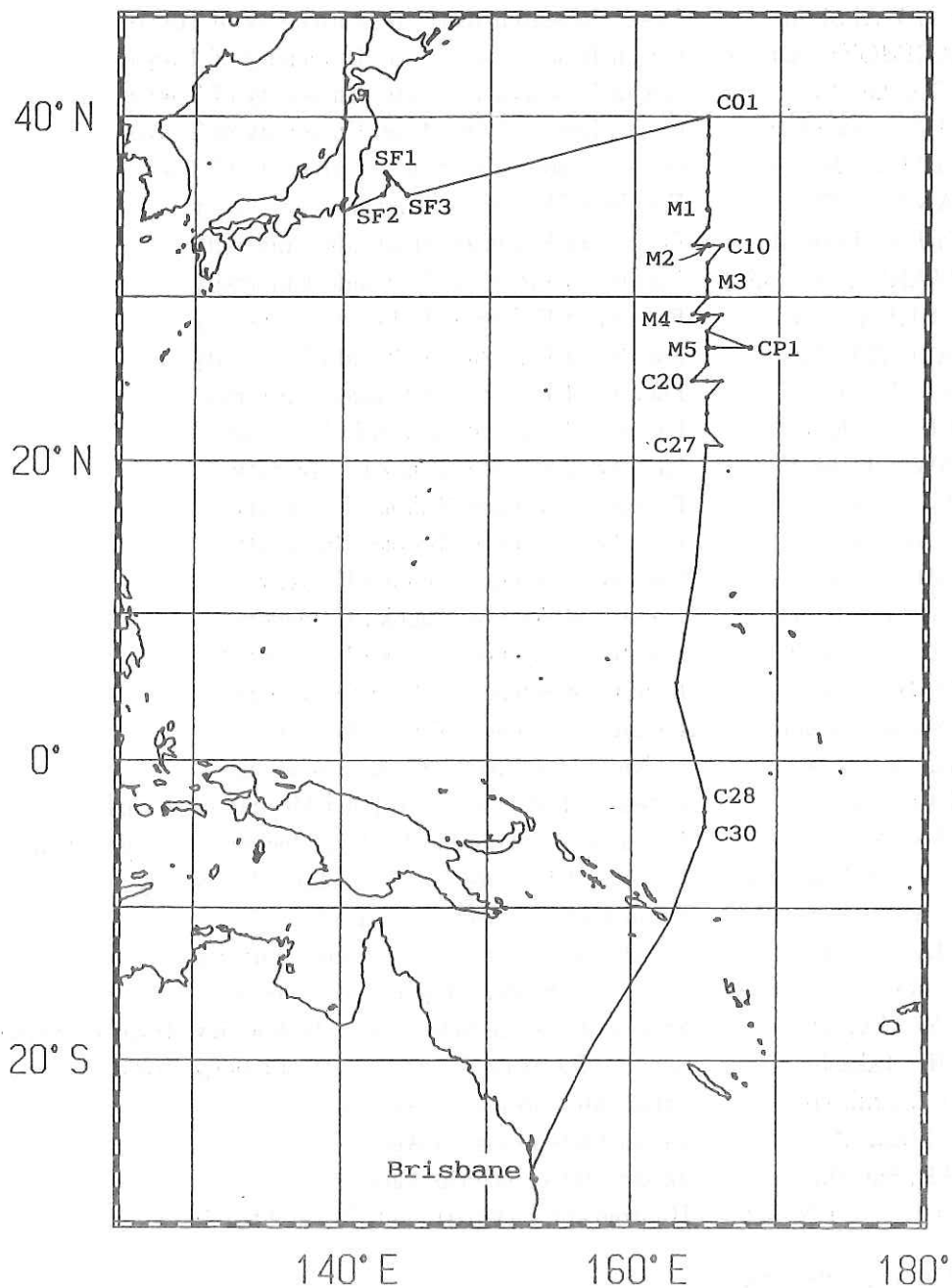
TAIRA, Keisuke	Ocean Research Institute, University of Tokyo
OHWADA, Kouichi*2	Ocean Research Institute, University of Tokyo
KAWABE, Masaki	Ocean Research Institute, University of Tokyo
OTOBE, Hirotaka*2	Ocean Research Institute, University of Tokyo
FUJIO, Shinzou	Ocean Research Institute, University of Tokyo
KITAGAWA, Shoji	Ocean Research Institute, University of Tokyo
YANAGIMOTO, Daigo	Ocean Research Institute, University of Tokyo
MIZUTA, Genta	Ocean Research Institute, University of Tokyo
ISHIMINE, Yasuhiro	Ocean Research Institute, University of Tokyo
SAKIYAMA, Tokuki*2	Ocean Research Institute, University of Tokyo
WATANABE, Shuichi	Faculty of Fisheries, Hokkaido University
TOKIEDA, Takayuki	Faculty of Fisheries, Hokkaido University
ARAMAKI, Takafumi	Faculty of Fisheries, Hokkaido University
OOTSUKI Akihisa	Faculty of Fisheries, Hokkaido University
NAKAMURA, Junya	Faculty of Fisheries, Hokkaido University
UZUKA, Naoaki	Faculty of Fisheries, Hokkaido University
TAKEUCHI, Kazuhiro	Faculty of Science, Hokkaido University
HANAWA, Kimio*2	Faculty of Science, Tohoku University
SUGA, Toshio	Faculty of Science, Tohoku University
KIZU, Syoichi*1	Faculty of Science, Tohoku University
TANIMOTO, Youichi*2	Faculty of Science, Tohoku University
KINOSHITA, Hideki	Faculty of Science, Tohoku University
TANEDA, Takashi	Faculty of Science, Tohoku University
KUDO, Hiroyuki	Faculty of Science, Tohoku University
KUMAGAI, Akinori	Faculty of Science, Tohoku University
OGURA, Kazuya*2	University of Electro-Communications
KONDO, Tsuyoshi*1	Research Institute for Applied Mechanics, Kyushu University
SHIOHARA, Ken*1	Research Institute for Applied Mechanics, Kyushu University
FUJIMOTO, Kazuyosi	Faculty of Engineering, Kagoshima University
HIRAYAMA, Tetuya*1	Faculty of Engineering, Kagoshima University
OBAMA, Kazuhiro	Faculty of Fisheries, Kagoshima University
BHANDIYE, Ashish, A.	Faculty of Science, Ryukyu University
SONOYAMA, Ryu	School of Marine Science and Technology, Tokai University
GOTOH, Takashi	School of Marine Science and Technology, Tokai University
YANO, Toshihiko*1	Japan Meteorological Agency
ITOU, Masato*1	Japan Meteorological Agency
KAWAE, Satoshi*2	Japan Meteorological Agency
GANSUNGNOEN, Sanit	Hydrographic Department, Royal Thai Navy

\*1 Participating Leg-1

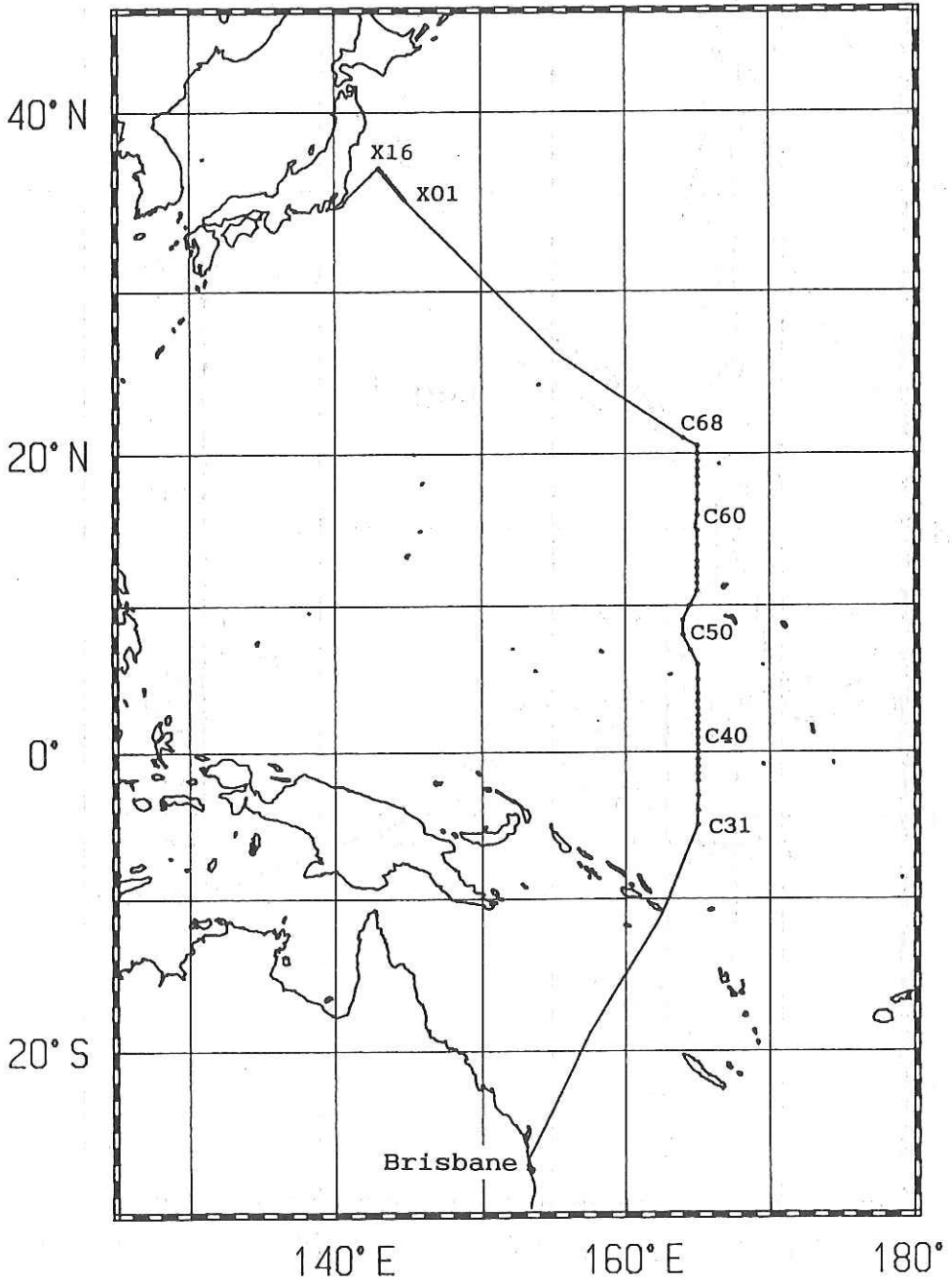
\*2 Participating Leg-2

### 3. Track Charts

#### KH-91-5 Leg 1

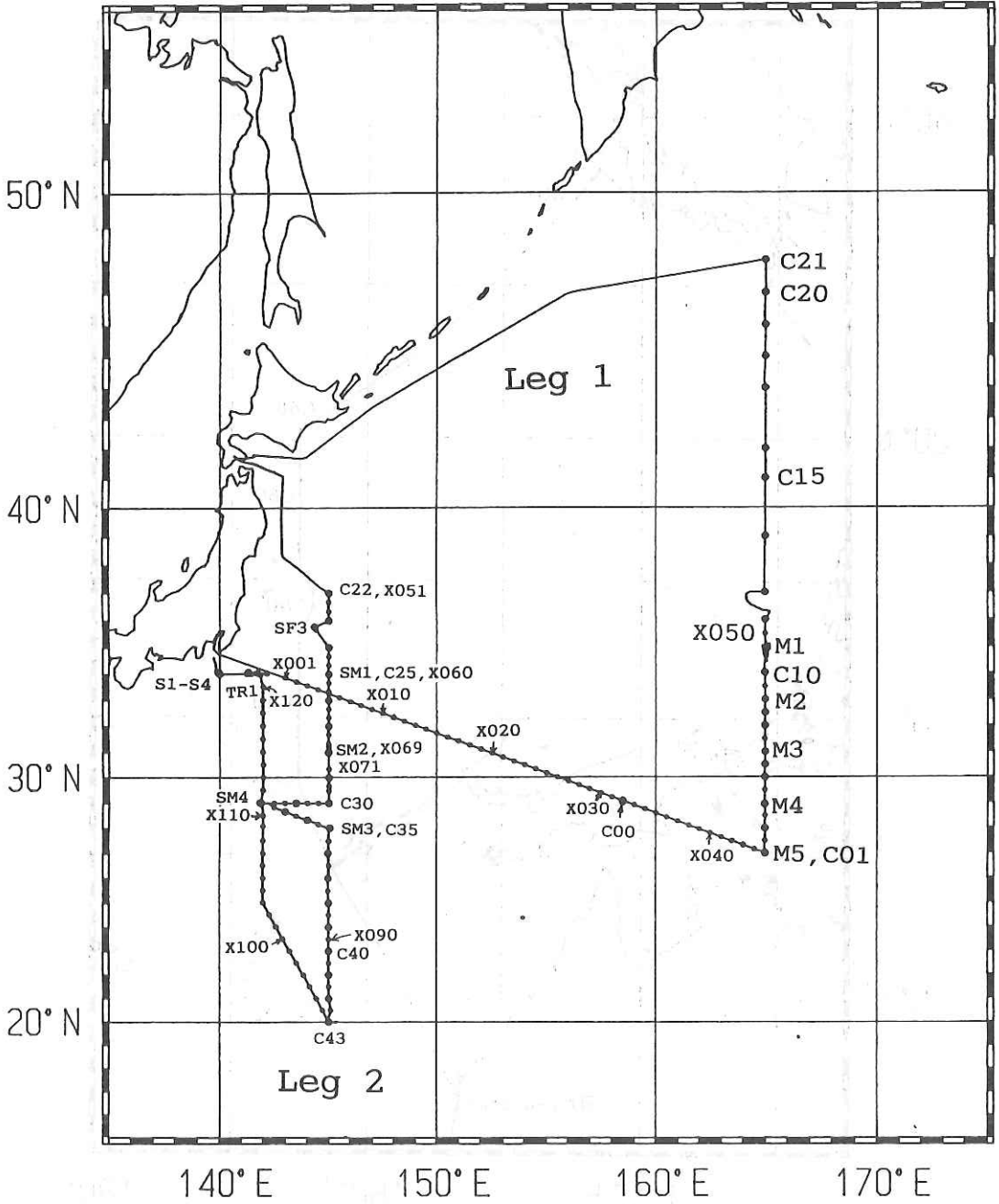


KH-91-5 Leg 2





KH-93-2



# 4. Time Tables

## KH9105 Leg 1

date	T I M E																											
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1991 1 Aug.13	↑ ~~~~~ Tokyo																											
2 Aug.14	~~~~~															SF2	~~~~~			CJT1			~~~~~					
3 Aug.15	~	CJT2			~~~~~			SF1	↑ ~~~~~ ↑ ~~~~~ sofar      sofar			SF3			↑ ~~~~~													
4 Aug.16	~~~~~																					→		+1	~~~~~			
5 Aug.17	~~~~~																											
6 Aug.18	~~~~~								C01				~~~~~				C02				~~~~~				C03			
7 Aug.19	C03		~~~~~				C04				~~~~~				C05				~~~~~				C06					
8 Aug.20	C06				~~~~~				M1 deploy		~~~~~				C07				~~~~~				C08					
9 Aug.21	~~~~~				C09				~	M2 deploy		~~~~~				C10				~~~~~				C11				
10 Aug.22	C11		~~~~~				C12				M3 deploy		~~~~~				C13				~~~~~				C14			
11 Aug.23	C14				~~~~~				M4 deploy		C15				~~~~~				C16				~~~~~					
12 Aug.24	~~~~~				C17				~~~~~				M5 deploy		~	C18				~~~~~								
13 Aug.25	~~~~~								CP1				~~~~~								C17S				~~~~~			
14 Aug.26	~~~~~				C18S				~~~~~				C19				~~~~~				C20				~~~~~			
15 Aug.27	~~~~~				C21				~~~~~				C22				~~~~~				C23				~~~~~			
16 Aug.28	~~~~~				C24				~~~~~				C25				~~~~~				C26				~~~~~			
17 Aug.29	~	C27			~~~~~																							
18 Aug.30	~~~~~																											
19 Aug.31	~~~~~																											
20 Sep.01	~~~~~																	C28			~~~~~				C29			
21 Sep.02	C29		~~~~~				C30				~~~~~																	
22 Sep.03	~~~~~																											

	date	00	01	02	03	04	05	06	07	08	T	09	I	10	M	11	E	12	13	14	15	16	17	18	19	20	21	22	23	24
23	Sep.04	~~~~~																												
24	Sep.05	~~~~~																												
25	Sep.06	~~~~~ ↑ Brisbane																												

# KH9105 Leg 2

date	T I M E																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1991 1 Sep.13	↑ ~~~~~ Brisbane																								
2 Sep.14	~~~~~																								
3 Sep.15	~~~~~																								
4 Sep.16	~~~~~																								
5 Sep.17	~~~~~												C31			~~~~~			C32			~~~~~			
6 Sep.18	~~~~~						C33			~~~~~			C34			~~~~~			C35			~~~~~			
7 Sep.19	C36		~~~~~		C37		~~~~~		C38		~~~~~		C39		~~~~~		C40		~~~~~						
8 Sep.20	~~~~~		C41		~~~~~		C42		~~~~~		C43		~~~~~		C44		~~~~~		C45		~~~~~				
9 Sep.21	~~~~~		C46			~~~~~			C47			~~~~~			C48			~~~~~			C49				
10 Sep.22	C49		~~~~~			C50			~~~~~			C51			~~~~~			C52			~~~~~				
11 Sep.23	~~~~~			C53			~~~~~			C54			~~~~~			C55			~~~~~			C56		~~~~~	
12 Sep.24	C57		~~~~~			C58			~~~~~			C59			~~~~~			C60							
13 Sep.25	C60	~~~~~			C61			~~~~~			C62			~~~~~		C63	~~~~~		C64						
14 Sep.26	~~~~~		C65		~~~~~		C66		~~~~~		C67		~~~~~			C68		~~~~~							
15 Sep.27	~~~~~																								
16 Sep.28	~~~~~																				← -1		~~~~~		
17 Sep.29	~~~~~																								
18 Sep.30	~~~~~ X01 X03 X05 X07 X09 X11 X13 X16																								
19 Oct.01	~~~~~																								
20 Oct.02	~~~~~														↑ Tokyo										

# KH9302 Leg 1

date	T I M E																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1993 1 May.13	↑ ~~~~~ Tokyo																							
2 May.14	~~~~~ X001 X002 X003 X004 X005 X006 X007 X008 X009 X010 X011 X012																							
3 May.15	↑ ~~~~~ X013 X014 X015 X016 X017 X018 X019 X020 X021 X022 X023 X024 X025 X026																							
4 May.16	↑ ~~~~~ X027 X028 X029 X030 X031 X032						C00			~~~~~ X033 X034 X035 X036						→ ↑ ~~~~~ +1 X037								
5 May.17	~~~~~ X038 X039 X040 X041 X042 X043 X044						M5 retrive			~~~~~						C01								
6 May.18	C01		~~~~~ X045			C02			~~~~~ X046			M4 retrive		C03		~~~~~ X047								
7 May.19	C04			~~~~~			C05			~~~~~			M3 retrive		C06		~~~~~ X048							
8 May.20	C07			~~~~~			C08			~~~~~			M2 retrive			C09								
9 May.21	~~~~~ X049																							
10 May.22	~~~~~			C10			~~~~~			M1 retrive		C11			~~~~~ X050			C12						
11 May.23	~~~~~																					C13		
12 May.24	C13		~~~~~						C14			~~~~~						C15						
13 May.25	C15		~~~~~			C16			~~~~~						C17			~~~~~ C18						
14 May.26	C18			~~~~~			C19			~~~~~			C20			~~~~~ C21								
15 May.27	~~~~~																							
16 May.28	~~~~~																					← ~~~~~ -1		
17 May.29	~~~~~																							
18 May.30	~~~~~ ↑ Haokodate																							

# KH9302 Leg 2

date	T I M E																											
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1993 1 Jun.04	↑ ~~~~~ Hakodate																											
2 Jun.05	~~~~~																											
3 Jun.06	~~~~~	C22 X051	~~~~~	X052 X053	C23 X054	~~~~~	SF2 retrieive	~~~~~	X055 X056	C24 X057	~~~~~	X058																
4 Jun.07	~~~~~	X059	C25 X060	~	SM1	~~~~~	X061 X062	C26 X063	~~~~~	X064 X065	C27 X066	~~~~~	X067															
5 Jun.08	~~~~~	X068	C28 X069	~	SM2	~~~~~	X071	C29 X072	~~~~~	X073 X074	C30 X075	~~~~~	X076															
6 Jun.09	↑ ~~~	C31 X077	~~~~~	X078 X079 X080	~	SM4	~	C32 X081	~~~~~	X082	C33 X083	~~~~~	X084	C34														
7 Jun.10	C34	~~~~~	X085	C35	~	SM3	~~~~~	X086	C36	~~~~~	X087	C37	~~~~~	X088														
8 Jun.11	~~~~~	C38	~~~~~	X089	C39	~~~~~	X090	C40	~~~~~	X091	C41	~~~~~	X092															
9 Jun.12	~~~~~	C42	~~~~~	X093	C43	~~~~~	X094 X095 X096 X097 X098 X099 X100																					
10 Jun.13	~~~~~	X101	X102	X103	X104	X105	X106	X107	X108	X109	X110	X111	X112	X113														
11 Jun.14	~~~~~	X114	X115	X116	X117	X118	X119	X120	DCTD1																			
12 Jun.15	~~~~~	TR1 retrieive/deply					~	DCTD2		~	DCTD3																	
13 Jun.16	~~~~~	TR2 retrieive/deply					~	DCTD4					~	DCTD5					~									
14 Jun.17	~~~~~ S3 S2S4S1																											
15 Jun.18	~~~~~ Tokyo																											

## 5. Summary of observation stations

STNNBR: Station number C=CTD, X=XBT  
 TYPE: CTD=CTDO only, ROS=CTDO plus Rosette water sampler  
 MOR=Mooring, XBT=XBT, FLT=Float  
 CODE: BE=Beginning of cast, BO=Bottom time for cast, EN=Time cast completed  
 DE=Time mooring, float, or XBT was deployed, RE=Time mooring was recovered  
 BOTDEP: Bottom depth in meters  
 MAXPRS: Maximum pressure in decibars

### KH9105 Leg 1

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
SF2	MOR	08/14/91	06:04	DE	35°47.31'N	142°38.67'E	3724	
CJT1	ROS	08/14/91	08:38	BE	36°17.93'N	142°57.11'E	7727	
CJT1	ROS	08/14/91	10:23	BO	36°16.80'N	143°01.59'E	7509	6027
CJT1	ROS	08/14/91	13:10	EN	36°16.12'N	143°05.13'E	7091	
CJT2	ROS	08/14/91	15:48	BE	36°37.86'N	142°56.93'E	6271	
CJT2	ROS	08/14/91	17:30	BO	36°36.99'N	142°58.19'E	6318	6013
CJT2	ROS	08/14/91	19:22	EN	36°36.41'N	142°58.84'E	6351	
SF1	MOR	08/14/91	22:38	DE	37°01.31'N	142°50.60'E	4195	
	FLT	08/14/91	22:53	DE	37°01.28'N	142°50.71'E	4221	
	FLT	08/14/91	23:01	DE	37°01.11'N	142°50.62'E	4200	
	FLT	08/15/91	02:27	DE	36°23.50'N	143°35.03'E	6210	
	FLT	08/15/91	02:36	DE	36°23.31'N	143°35.17'E	6209	
SF3	MOR	08/15/91	06:20	DE	35°45.77'N	144°19.13'E	1764	
	FLT	08/15/91	06:31	DE	35°45.76'N	144°19.23'E	1757	
	FLT	08/15/91	06:38	DE	35°45.74'N	144°19.26'E	1768	
C01	ROS	08/17/91	21:40	BE	39°59.79'N	165°00.29'E	5451	
C01	ROS	08/17/91	23:21	BO	39°59.60'N	165°01.12'E	5473	5500
C01	ROS	08/18/91	01:04	EN	39°59.70'N	165°02.09'E	5477	
C02	ROS	08/18/91	05:03	BE	39°00.15'N	165°00.04'E	5350	
C02	ROS	08/18/91	06:37	BO	38°59.77'N	165°00.44'E	5372	5401
C02	ROS	08/18/91	08:07	EN	38°59.40'N	165°01.19'E	5375	
C03	ROS	08/18/91	12:01	BE	38°00.04'N	164°59.98'E	5441	
C03	ROS	08/18/91	13:42	BO	37°59.75'N	165°01.49'E	5438	5500
C03	ROS	08/18/91	15:24	EN	37°59.65'N	165°02.43'E	5417	
C04	ROS	08/18/91	19:43	BE	37°00.13'N	164°59.71'E	4517	
C04	ROS	08/18/91	21:19	BO	37°00.91'N	164°59.06'E	4767	4797
C04	ROS	08/18/91	22:46	EN	37°01.48'N	164°58.73'E	4972	
C05	ROS	08/19/91	03:08	BE	36°00.03'N	164°59.93'E	5502	
C05	ROS	08/19/91	04:43	BO	36°00.08'N	164°58.33'E	5602	5553
C05	ROS	08/19/91	06:23	EN	35°59.99'N	164°57.16'E	5627	
C06	ROS	08/19/91	12:58	BE	35°00.06'N	164°59.99'E	5892	
C06	ROS	08/19/91	14:40	BO	34°59.39'N	165°00.91'E	5869	5880
C06	ROS	08/19/91	16:51	EN	34°58.71'N	165°02.33'E	5879	
M1	MOR	08/19/91	21:43	DE	34°59.29'N	165°09.31'E	5858	
C07	ROS	08/20/91	01:42	BE	34°00.06'N	165°00.20'E	6056	
C07	ROS	08/20/91	03:26	BO	33°59.78'N	165°00.41'E	6060	6002
C07	ROS	08/20/91	05:12	EN	33°59.46'N	165°00.64'E	6056	
C08	ROS	08/20/91	10:30	BE	32°59.94'N	164°00.09'E	6205	
C08	ROS	08/20/91	12:18	BO	33°00.50'N	163°59.89'E	6206	6202

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C08	ROS	08/20/91	14:04	EN	33°00.55'N	163°59.49'E	6205	
C09	ROS	08/20/91	17:38	BE	32°59.99'N	164°59.97'E	6208	
C09	ROS	08/20/91	19:27	BO	32°59.67'N	164°59.87'E	6205	6200
C09	ROS	08/20/91	21:20	EN	32°59.36'N	165°00.10'E	6203	
M2	MOR	08/20/91	23:35	DE	33°00.05'N	165°02.34'E	6213	
C10	ROS	08/21/91	02:54	BE	33°00.05'N	166°00.09'E	6083	
C10	ROS	08/21/91	04:37	BO	33°00.19'N	166°00.34'E	6082	6082
C10	ROS	08/21/91	06:24	EN	33°00.26'N	166°00.88'E	6085	
C11	ROS	08/21/91	11:29	BE	31°59.98'N	165°00.14'E	5986	
C11	ROS	08/21/91	13:12	BO	32°00.38'N	164°59.43'E	6003	5998
C11	ROS	08/21/91	15:19	EN	32°01.09'N	164°58.59'E	5979	
C12	ROS	08/21/91	19:26	BE	30°59.77'N	165°00.16'E	6033	
C12	ROS	08/21/91	21:12	BO	30°59.32'N	165°01.32'E	6048	6046
C12	ROS	08/21/91	23:05	EN	30°58.56'N	165°03.16'E	5991	
M3	MOR	08/22/91	00:40	DE	30°59.48'N	165°00.88'E	6051	
C13	ROS	08/22/91	04:27	BE	30°00.09'N	164°59.90'E	5858	
C13	ROS	08/22/91	06:12	BO	29°59.72'N	164°59.91'E	5850	5851
C13	ROS	08/22/91	07:54	EN	29°59.40'N	165°00.08'E	5887	
C14	ROS	08/22/91	13:14	BE	29°00.09'N	164°00.10'E	5895	
C14	ROS	08/22/91	14:53	BO	29°00.06'N	163°59.50'E	5908	5901
C14	ROS	08/22/91	16:44	EN	29°00.48'N	163°59.11'E	5897	
M4	MOR	08/22/91	23:18	DE	28°58.70'N	165°01.07'E	5792	
C15	ROS	08/22/91	23:39	BE	28°59.30'N	165°01.69'E	5793	
C15	ROS	08/23/91	01:19	BO	28°59.66'N	165°01.27'E	5794	5801
C15	ROS	08/23/91	03:13	EN	29°00.07'N	165°01.05'E	5793	
C16	ROS	08/23/91	06:44	BE	28°59.98'N	166°00.06'E	5439	
C16	ROS	08/23/91	08:18	BO	29°00.27'N	165°59.80'E	5369	5376
C16	ROS	08/23/91	11:41	EN	29°01.26'N	165°59.08'E	4651	
C17	ROS	08/23/91	17:22	BE	28°00.02'N	164°59.63'E	5561	
C17	ROS	08/23/91	18:56	BO	28°00.20'N	164°59.65'E	5621	5633
C17	ROS	08/23/91	20:37	EN	28°00.47'N	164°59.82'E	5662	
M5	MOR	08/24/91	01:48	DE	26°59.87'N	164°59.64'E	5785	
C18	ROS	08/24/91	02:37	BE	27°00.63'N	164°58.67'E	5795	
C18	ROS	08/24/91	04:19	BO	27°00.87'N	164°58.61'E	5794	5793
C18	ROS	08/24/91	06:04	EN	27°01.01'N	164°58.42'E	5790	
CP1	MOR	08/24/91	20:59	RE	27°00.09'N	168°00.23'E	5848	
C17S	ROS	08/25/91	08:00	BE	28°00.41'N	164°59.91'E	5662	
C17S	ROS	08/25/91	10:07	BO	28°01.17'N	164°59.45'E	5728	5699
C17S	ROS	08/25/91	12:29	EN	28°01.75'N	165°00.05'E	5746	
C18S	ROS	08/25/91	16:34	BE	27°00.06'N	164°59.90'E	5792	
C18S	ROS	08/25/91	18:16	BO	27°00.28'N	164°59.59'E	5796	5800
C18S	ROS	08/25/91	19:59	EN	27°00.19'N	164°59.33'E	5796	
C19	ROS	08/25/91	23:58	BE	26°00.10'N	165°00.14'E	5692	
C19	ROS	08/26/91	01:41	BO	26°00.54'N	165°00.32'E	5696	5693
C19	ROS	08/26/91	03:28	EN	26°01.01'N	165°00.61'E	5712	
C20	ROS	08/26/91	08:59	BE	24°59.96'N	163°59.80'E	5694	
C20	ROS	08/26/91	10:34	BO	24°59.99'N	163°59.41'E	5688	5677
C20	ROS	08/26/91	12:28	EN	24°59.98'N	163°59.05'E	5680	
C21	ROS	08/26/91	16:14	BE	24°59.97'N	165°00.06'E	5908	
C21	ROS	08/26/91	17:57	BO	24°59.71'N	164°59.69'E	5914	5913



STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C21	ROS	08/26/91	19:40	EN	24°58.98'N	164°59.04'E	5938	
C22	ROS	08/26/91	23:19	BE	25°00.18'N	165°59.99'E	5955	
C22	ROS	08/27/91	01:02	BO	25°00.68'N	165°59.74'E	5967	5957
C22	ROS	08/27/91	03:01	EN	25°00.84'N	165°58.86'E	5965	
C23	ROS	08/27/91	08:22	BE	23°59.92'N	165°00.06'E	6050	
C23	ROS	08/27/91	10:11	BO	23°59.41'N	165°00.36'E	6052	6048
C23	ROS	08/27/91	12:12	EN	23°58.94'N	165°00.41'E	6052	
C24	ROS	08/27/91	15:58	BE	22°59.86'N	165°00.04'E	5812	
C24	ROS	08/27/91	18:37	BO	22°59.94'N	164°59.80'E	5809	5809
C24	ROS	08/27/91	19:29	EN	23°00.10'N	164°59.35'E	5812	
C25	ROS	08/27/91	23:15	BE	21°59.97'N	165°00.00'E	5486	
C25	ROS	08/28/91	00:46	BO	21°59.57'N	165°00.17'E	5376	5351
C25	ROS	08/28/91	02:42	EN	21°58.81'N	165°00.18'E	5431	
C26	ROS	08/28/91	07:53	BE	20°59.98'N	165°59.94'E	5482	
C26	ROS	08/28/91	09:28	BO	20°59.95'N	165°59.37'E	5482	5480
C26	ROS	08/28/91	11:18	EN	20°59.95'N	165°58.48'E	5493	
C27	ROS	08/28/91	14:37	BE	20°59.91'N	164°59.80'E	5513	
C27	ROS	08/28/91	16:12	BO	20°59.82'N	164°59.27'E	5507	5508
C27	ROS	08/28/91	18:12	EN	20°59.79'N	164°58.63'E	5506	
C28	ROS	09/01/91	06:33	BE	02°29.80'S	165°00.15'E	2423	
C28	ROS	09/01/91	07:20	BO	02°29.97'S	165°00.18'E	2418	2401
C28	ROS	09/01/91	08:20	EN	02°30.17'S	165°00.55'E	2520	
C29	ROS	09/01/91	12:46	BE	03°29.87'S	164°59.91'E	3983	
C29	ROS	09/01/91	13:56	BO	03°29.64'S	164°59.50'E	3958	3947
C29	ROS	09/01/91	15:30	EN	03°29.34'S	164°59.26'E	3941	
C30	ROS	09/01/91	19:33	BE	04°29.99'S	164°59.81'E	2671	
C30	ROS	09/01/91	20:21	BO	04°30.04'S	164°59.50'E	2642	2634
C30	ROS	09/01/91	21:35	EN	04°30.10'S	164°59.11'E	2663	

### KH9105 Leg 2

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C31	ROS	09/17/91	02:00	BE	04°59.86'S	164°58.53'E	2338	
C31	ROS	09/17/91	02:44	BO	04°59.83'S	164°58.16'E	2316	2315
C31	ROS	09/17/91	04:01	EN	05°00.01'S	164°57.64'E	2287	
C32	ROS	09/17/91	08:14	BE	04°00.03'S	164°59.85'E	3350	
C32	ROS	09/17/91	09:25	BO	04°00.24'S	164°59.40'E	3343	3344
C32	ROS	09/17/91	10:37	EN	04°00.19'S	164°58.92'E	3332	
C33	ROS	09/17/91	21:35	BE	02°59.92'S	164°59.69'E	4125	
C33	ROS	09/17/91	22:49	BO	02°59.68'S	164°59.44'E	4115	4119
C33	ROS	09/18/91	00:11	EN	02°59.44'S	164°59.26'E	4111	
C34	ROS	09/18/91	04:29	BE	01°59.94'S	165°00.10'E	4462	
C34	ROS	09/18/91	05:48	BO	01°59.71'S	165°00.37'E	4461	4464
C34	ROS	09/18/91	07:13	EN	01°59.60'S	165°00.25'E	4459	
C35	ROS	09/18/91	09:17	BE	01°29.94'S	165°00.17'E	4451	
C35	ROS	09/18/91	10:37	BO	01°29.46'S	165°00.46'E	4452	4452
C35	ROS	09/18/91	12:05	EN	01°29.09'S	165°00.57'E	4455	
C36	ROS	09/18/91	14:21	BE	00°59.89'S	165°00.41'E	4423	
C36	ROS	09/18/91	15:39	BO	00°59.62'S	165°00.40'E	4420	4423
C36	ROS	09/18/91	17:03	EN	00°59.31'S	165°00.30'E	4423	

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C37	ROS	09/18/91	19:16	BE	00°30.04'S	165°00.00'E	4433	
C37	ROS	09/18/91	20:43	BO	00°29.51'S	164°59.88'E	4435	4435
C37	ROS	09/18/91	22:00	EN	00°29.15'S	164°59.82'E	4427	
C38	ROS	09/19/91	00:31	BE	00°01.18'N	165°01.38'E	4406	
C38	ROS	09/19/91	01:51	BO	00°01.75'N	165°00.99'E	4406	4398
C38	ROS	09/19/91	03:14	EN	00°01.99'N	165°00.89'E	4404	
C39	ROS	09/19/91	05:19	BE	00°30.00'N	165°00.05'E	4365	
C39	ROS	09/19/91	06:36	BO	00°30.25'N	164°59.97'E	4365	4365
C39	ROS	09/19/91	08:02	EN	00°30.45'N	164°59.81'E	4366	
C40	ROS	09/19/91	10:13	BE	00°59.91'N	165°00.28'E	4328	
C40	ROS	09/19/91	11:30	BO	01°00.06'N	165°00.20'E	4327	4329
C40	ROS	09/19/91	12:55	EN	01°00.33'N	165°00.05'E	4327	
C41	ROS	09/19/91	14:58	BE	01°30.03'N	165°00.05'E	4258	
C41	ROS	09/19/91	16:13	BO	01°30.28'N	165°00.25'E	4257	4262
C41	ROS	09/19/91	17:39	EN	01°30.52'N	165°00.32'E	4258	
C42	ROS	09/19/91	19:44	BE	01°59.93'N	165°00.03'E	4171	
C42	ROS	09/19/91	21:03	BO	02°00.43'N	165°00.00'E	4170	4174
C42	ROS	09/19/91	22:26	EN	02°00.85'N	164°59.96'E	4167	
C43	ROS	09/20/91	00:23	BE	02°30.00'N	165°00.29'E	4123	
C43	ROS	09/20/91	01:33	BO	02°30.21'N	165°00.59'E	4123	4110
C43	ROS	09/20/91	02:59	EN	02°30.72'N	165°00.87'E	4124	
C44	ROS	09/20/91	05:47	BE	02°59.99'N	165°00.06'E	4262	
C44	ROS	09/20/91	07:02	BO	03°00.31'N	165°00.49'E	4261	4258
C44	ROS	09/20/91	08:25	EN	03°00.50'N	165°00.81'E	4263	
C45	ROS	09/20/91	10:34	BE	03°29.82'N	165°00.35'E	4264	
C45	ROS	09/20/91	11:49	BO	03°29.91'N	165°01.03'E	4263	4262
C45	ROS	09/20/91	13:04	EN	03°30.26'N	165°01.37'E	4270	
C46	ROS	09/20/91	15:10	BE	03°59.99'N	165°00.11'E	4491	
C46	ROS	09/20/91	16:29	BO	04°00.18'N	165°00.72'E	4500	4491
C46	ROS	09/20/91	18:01	EN	04°00.32'N	165°01.31'E	4491	
C47	ROS	09/20/91	21:59	BE	04°59.06'N	165°00.41'E	4764	
C47	ROS	09/20/91	23:21	BO	04°59.23'N	165°01.15'E	4760	4752
C47	ROS	09/21/91	00:44	EN	04°59.55'N	165°01.94'E	4758	
C48	ROS	09/21/91	05:25	BE	05°59.92'N	164°59.99'E	4987	
C48	ROS	09/21/91	06:56	BO	05°59.71'N	165°00.37'E	4986	4991
C48	ROS	09/21/91	08:22	EN	05°59.72'N	165°00.92'E	4990	
C49	ROS	09/21/91	12:53	BE	06°59.94'N	164°29.87'E	5090	
C49	ROS	09/21/91	14:25	BO	06°59.31'N	164°30.07'E	5093	5096
C49	ROS	09/21/91	15:57	EN	06°59.22'N	164°30.42'E	5094	
C50	ROS	09/21/91	20:23	BE	08°00.37'N	163°59.95'E	5150	
C50	ROS	09/21/91	21:52	BO	08°00.18'N	163°59.82'E	5139	5140
C50	ROS	09/21/91	23:22	EN	07°59.91'N	163°59.78'E	5138	
C51	ROS	09/22/91	03:16	BE	09°00.08'N	163°59.94'E	5205	
C51	ROS	09/22/91	04:45	BO	09°00.10'N	163°59.61'E	5202	5200
C51	ROS	09/22/91	06:21	EN	08°59.81'N	163°59.29'E	5201	
C52	ROS	09/22/91	10:45	BE	09°59.98'N	164°29.98'E	3830	
C52	ROS	09/22/91	11:55	BO	09°59.39'N	164°30.34'E	3893	3879
C52	ROS	09/22/91	13:09	EN	09°58.79'N	164°30.48'E	3988	
C53	ROS	09/22/91	17:34	BE	11°00.05'N	164°59.90'E	4730	
C53	ROS	09/22/91	18:53	BO	10°59.84'N	164°59.77'E	4729	4730

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C53	ROS	09/22/91	20:19	EN	10°59.49'N	164°59.67'E	4727	
C54	ROS	09/23/91	00:03	BE	11°29.46'N	164°59.97'E	4201	
C54	ROS	09/23/91	01:16	BO	11°29.14'N	164°59.73'E	4227	4222
C54	ROS	09/23/91	02:32	EN	11°28.92'N	164°59.41'E	4252	
C55	ROS	09/23/91	04:57	BE	12°00.19'N	164°59.51'E	2718	
C55	ROS	09/23/91	05:43	BO	12°00.04'N	164°59.20'E	2592	2520
C55	ROS	09/23/91	06:49	EN	11°59.91'N	164°58.95'E	2465	
C56	ROS	09/23/91	09:02	BE	12°29.91'N	164°59.88'E	5053	
C56	ROS	09/23/91	10:30	BO	12°29.71'N	164°59.72'E	5034	5041
C56	ROS	09/23/91	11:59	EN	12°29.63'N	164°59.83'E	5024	
C57	ROS	09/23/91	14:03	BE	13°00.09'N	164°59.99'E	5226	
C57	ROS	09/23/91	15:31	BO	12°59.12'N	164°59.66'E	5200	5200
C57	ROS	09/23/91	17:17	EN	12°59.49'N	164°59.49'E	5202	
C58	ROS	09/23/91	21:13	BE	14°00.13'N	164°59.96'E	5313	
C58	ROS	09/23/91	22:48	BO	13°59.46'N	164°59.59'E	5323	5323
C58	ROS	09/24/91	00:20	EN	13°58.87'N	164°59.73'E	5322	
C59	ROS	09/24/91	04:47	BE	15°00.02'N	164°59.92'E	5233	
C59	ROS	09/24/91	06:15	BO	14°59.76'N	164°59.94'E	5227	5233
C59	ROS	09/24/91	07:50	EN	14°59.43'N	164°59.88'E	5214	
C60	ROS	09/24/91	12:07	BE	16°00.03'N	164°59.91'E	5376	
C60	ROS	09/24/91	13:36	BO	16°00.16'N	164°59.15'E	5373	5374
C60	ROS	09/24/91	15:13	EN	15°59.87'N	164°58.83'E	5364	
C61	ROS	09/24/91	19:20	BE	16°59.94'N	164°59.94'E	5410	
C61	ROS	09/24/91	20:55	BO	17°00.01'N	164°59.61'E	5414	5412
C61	ROS	09/24/91	22:30	EN	16°59.98'N	164°59.44'E	5420	
C62	ROS	09/25/91	02:53	BE	18°00.15'N	165°00.06'E	5437	
C62	ROS	09/25/91	04:25	BO	17°59.93'N	165°00.06'E	5443	5437
C62	ROS	09/25/91	06:11	EN	17°59.78'N	164°59.91'E	5452	
C63	ROS	09/25/91	08:31	BE	18°30.24'N	165°00.02'E	1641	
C63	ROS	09/25/91	09:07	BO	18°30.32'N	165°00.09'E	1716	1650
C63	ROS	09/25/91	10:00	EN	18°30.58'N	165°00.13'E	1841	
C64	ROS	09/25/91	12:06	BE	19°00.03'N	164°59.96'E	1864	
C64	ROS	09/25/91	12:40	BO	19°00.22'N	164°59.68'E	1864	1837
C64	ROS	09/25/91	13:34	EN	19°00.62'N	164°59.59'E	1890	
C65	ROS	09/25/91	16:01	BE	19°30.06'N	164°59.83'E	3733	
C65	ROS	09/25/91	17:19	BO	19°30.53'N	164°59.86'E	3923	3850
C65	ROS	09/25/91	18:40	EN	19°31.21'N	164°59.38'E	3891	
C66	ROS	09/25/91	21:19	BE	19°59.65'N	164°59.90'E	5326	
C66	ROS	09/25/91	22:54	BO	20°00.84'N	164°59.28'E	5362	5352
C66	ROS	09/26/91	00:29	EN	20°01.19'N	164°58.83'E	5372	
C67	ROS	09/26/91	03:09	BE	20°30.08'N	164°59.78'E	5428	
C67	ROS	09/26/91	04:45	BO	20°30.65'N	164°59.37'E	5435	5400
C67	ROS	09/26/91	06:30	EN	20°31.25'N	164°58.82'E	5441	
C68	ROS	09/26/91	10:36	BE	21°00.14'N	163°59.71'E	5143	
C68	ROS	09/26/91	12:04	BO	21°00.49'N	163°59.02'E	5077	5076
C68	ROS	09/26/91	13:34	EN	21°00.79'N	163°58.73'E	5083	
X01	XBT	09/29/91	19:48	DE	35°00.00'N	145°00.00'E		945
X02	XBT	09/29/91	20:25	DE	35°08.00'N	144°52.00'E		364
X03	XBT	09/29/91	21:00	DE	35°16.00'N	144°44.00'E		924
X04	XBT	09/29/91	21:42	DE	35°24.00'N	144°36.00'E		905

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
X05	XBT	09/29/91	22:22	DE	35°32.00'N	144°28.00'E		942
X06	XBT	09/29/91	23:02	DE	35°40.00'N	144°20.00'E		921
X07	XBT	09/29/91	23:42	DE	35°48.00'N	144°12.00'E		931
X08	XBT	09/30/91	00:21	DE	35°56.00'N	144°04.00'E		917
X09	XBT	09/30/91	01:00	DE	36°04.00'N	143°56.00'E		922
X10	XBT	09/30/91	01:39	DE	36°12.00'N	143°48.00'E		911
X11	XBT	09/30/91	02:18	DE	36°20.00'N	143°40.00'E		914
X12	XBT	09/30/91	02:55	DE	36°28.00'N	143°32.00'E		891
X13	XBT	09/30/91	03:36	DE	36°36.65'N	143°23.33'E		902
X14	XBT	09/30/91	04:27	DE	36°47.53'N	143°12.44'E		925
X15	XBT	09/30/91	04:48	DE	36°52.00'N	143°08.00'E		927
X16	XBT	09/30/91	05:24	DE	37°00.00'N	143°00.00'E		926

### KH9302 Leg 1

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
X001	XBT	05/12/93	19:48	DE	33°51.64'N	143°00.48'E	5187	
X002	XBT	05/13/93	21:31	DE	33°42.21'N	143°31.76'E	7068	
X003	XBT	05/13/93	23:06	DE	33°33.73'N	143°59.83'E	5524	
X004	XBT	05/14/93	00:47	DE	33°29.90'N	144°32.33'E	6443	
X005	XBT	05/14/93	02:16	DE	33°15.52'N	145°00.00'E	5714	
X006	XBT	05/14/93	03:52	DE	33°06.46'N	145°30.06'E	5698	
X007	XBT	05/14/93	05:26	DE	32°57.31'N	146°00.04'E	5812	
X008	XBT	05/14/93	07:01	DE	32°48.22'N	146°30.20'E	5810	
X009	XBT	05/14/93	08:38	DE	32°39.04'N	147°00.02'E	5913	
X010	XBT	05/14/93	10:18	DE	32°29.98'N	147°30.00'E	5968	
X011	XBT	05/14/93	12:00	DE	32°20.65'N	148°00.16'E	5791	
X012	XBT	05/14/93	13:40	DE	32°11.40'N	148°30.79'E	9721	
X013	XBT	05/14/93	15:26	DE	32°01.19'N	149°01.68'E	9723	
X014	XBT	05/14/93	17:05	DE	31°53.13'N	149°30.33'E	9738	
X015	XBT	05/14/93	18:48	DE	31°43.94'N	150°00.32'E	9679	
X016	XBT	05/14/93	20:30	DE	31°34.77'N	150°29.99'E	6139	
X017	XBT	05/14/93	22:15	DE	31°25.54'N	151°00.01'E	9648	
X018	XBT	05/14/93	23:57	DE	31°16.25'N	151°30.10'E	5202	
X019	XBT	05/15/93	01:35	DE	31°06.96'N	152°00.00'E	9596	
X020	XBT	05/15/93	03:20	DE	30°57.60'N	152°30.16'E	5639	
X021	XBT	05/15/93	05:03	DE	30°48.30'N	153°00.20'E	5591	
X022	XBT	05/15/93	06:44	DE	30°39.00'N	153°30.00'E	5625	
X023	XBT	05/15/93	08:28	DE	30°29.61'N	154°00.23'E	6002	
X024	XBT	05/15/93	10:12	DE	30°20.35'N	154°30.06'E	5791	
X025	XBT	05/15/93	11:53	DE	30°10.92'N	154°59.97'E	5780	
X026	XBT	05/15/93	13:38	DE	30°01.46'N	155°30.31'E	5758	
X027	XBT	05/15/93	15:22	DE	29°52.01'N	156°00.26'E	5776	
X028	XBT	05/15/93	17:05	DE	29°42.65'N	156°30.18'E	5911	
X029	XBT	05/15/93	18:47	DE	29°33.23'N	157°00.11'E	5629	
X030	XBT	05/15/93	20:27	DE	29°23.85'N	157°30.00'E	5653	
X031	XBT	05/15/93	22:09	DE	29°14.33'N	158°00.14'E	5682	
X032	XBT	05/15/93	23:52	DE	29°04.86'N	158°30.03'E	5893	
C00	ROS	05/16/93	00:21	BE	29°04.28'N	158°32.52'E	5905	
C00	ROS	05/16/93	02:	BO	29°03.60'N	158°33.30'E	5905	6059

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C00	ROS	05/16/93	03:43	EN	29°03.31'N	158°33.92'E	5947	
X033	XBT	05/16/93	05:54	DE	28°55.27'N	159°00.24'E	5937	
X034	XBT	05/16/93	07:33	DE	28°45.81'N	159°30.02'E	5808	
X035	XBT	05/16/93	09:16	DE	28°36.25'N	160°00.00'E	5750	
X036	XBT	05/16/93	11:01	DE	28°26.62'N	160°30.00'E	6001	
X037	XBT	05/16/93	12:46	DE	28°17.00'N	161°00.28'E	5773	
X038	XBT	05/16/93	14:31	DE	28°07.36'N	161°30.42'E	5687	
X039	XBT	05/16/93	16:15	DE	27°57.84'N	162°00.03'E	5762	
X040	XBT	05/16/93	18:01	DE	27°48.21'N	162°30.04'E	5869	
X041	XBT	05/16/93	19:43	DE	27°38.54'N	163°00.30'E	5908	
X042	XBT	05/16/93	21:24	DE	27°29.12'N	163°29.99'E	5815	
X043	XBT	05/16/93	23:07	DE	27°19.34'N	164°00.00'E	5680	
X044	XBT	05/17/93	00:47	DE	27°09.68'N	164°30.00'E	5766	
M5	MOR	05/17/93	04:45	RE	26°59.97'N	165°00.75'E	5796	
C01	ROS	05/17/93	11:28	BE	26°59.20'N	164°59.50'E	5777	
C01	ROS	05/17/93	13:11	BO	26°59.20'N	164°59.70'E	5787	5886
C01	ROS	05/17/93	15:05	EN	26°59.50'N	164°57.80'E	5792	
X045	XBT	05/17/93	17:17	DE	27°29.98'N	164°59.98'E	5769	
C02	ROS	05/17/93	19:20	BE	27°59.90'N	164°59.70'E	5843	
C02	ROS	05/17/93	21:10	BO	28°00.16'N	164°59.07'E	5642	5675
C02	ROS	05/17/93	22:59	EN	28°00.06'N	164°58.63'E	5682	
X046	XBT	05/18/93	01:14	DE	28°30.15'N	165°00.00'E	5747	
M4	MOR	05/18/93	05:46	RE	28°56.74'N	164°59.16'E	5727	
C03	ROS	05/18/93	06:25	BE	29°00.03'N	165°00.01'E	5455	
C03	ROS	05/18/93	08:07	BO	29°00.04'N	164°58.91'E	5815	5941
C03	ROS	05/18/93	09:48	EN	29°00.24'N	164°58.33'E	5821	
X047	XBT	05/18/93	11:54	DE	29°30.00'N	164°59.94'E	5767	
C04	ROS	05/18/93	13:52	BE	29°59.93'N	164°59.99'E	5853	
C04	ROS	05/18/93	15:36	BO	30°00.13'N	164°59.16'E	5863	6000
C04	ROS	05/18/93	17:19	EN	30°00.50'N	164°58.91'E	5709	
C05	ROS	05/18/93	20:00	BE	30°30.08'N	165°00.40'E	5854	
C05	ROS	05/18/93	21:29	BO	30°29.91'N	165°00.50'E	5985	5985
C05	ROS	05/18/93	23:10	EN	30°29.52'N	165°00.13'E		
M3	MOR	05/19/93	05:44	RE	30°58.41'N	165°00.19'E	6164	
C06	ROS	05/19/93	06:10	BE	31°00.04'N	165°00.16'E	6103	
C06	ROS	05/19/93	07:42	BO	31°00.13'N	165°00.12'E	6167	6171
C06	ROS	05/19/93	09:39	EN	31°00.20'N	165°00.09'E	6396	
X048	XBT	05/19/93	11:43	DE	31°29.70'N	165°00.00'E	6008	
C07	ROS	05/19/93	13:46	BE	31°59.91'N	164°59.89'E	6008	
C07	ROS	05/19/93	15:28	BO	31°59.43'N	164°59.68'E	6033	6128
C07	ROS	05/19/93	17:27	EN	31°59.73'N	164°59.12'E	6008	
C08	ROS	05/19/93	19:43	BE	32°30.07'N	165°00.10'E	6190	
C08	ROS	05/19/93	21:16	BO	32°30.07'N	165°00.30'E	6194	6348
C08	ROS	05/19/93	22:55	EN	32°30.44'N	165°00.23'E	6182	
M2	MOR	05/20/93	07:43	RE	33°01.54'N	165°01.65'E	6209	
C09	ROS	05/20/93	08:18	BE	32°59.86'N	165°00.19'E	6205	
C09	ROS	05/20/93	10:06	BO	33°00.47'N	165°00.54'E	6264	6264
C09	ROS	05/20/93	12:03	EN	33°00.98'N	165°01.40'E	6008	
X049	XBT	05/20/93	14:03	DE	33°30.04'N	165°00.03'E	6246	
C10	ROS	05/21/93	16:20	BE	34°01.49'N	164°59.48'E	6008	

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C10	ROS	05/21/93	17:50	BO	34°03.26'N	164°59.16'E	6008	3000
C10	ROS	05/21/93	19:25	EN	34°04.52'N	164°58.82'E	6189	
M1	MOR	05/21/93	23:43	RE	35°00.43'N	165°09.44'E	5858	
C11	ROS	05/22/93	00:45	BE	35°00.06'N	165°00.15'E	5895	
C11	ROS	05/22/93	02:30	BO	34°59.79'N	165°00.86'E	5880	6014
C11	ROS	05/22/93	04:15	EN	34°59.49'N	165°01.57'E	5872	
X050	XBT	05/22/93	06:20	DE	35°30.08'N	165°00.08'E	5779	
C12	CTD	05/22/93	08:37	BE	36°00.12'N	165°00.72'E	5115	
C12	CTD	05/22/93	10:10	BO	35°59.53'N	165°00.45'E	5514	5597
C12	CTD	05/22/93	11:24	EN	35°59.15'N	165°00.42'E	5538	
C13	CTD	05/23/93	12:12	BE	37°00.14'N	164°59.84'E	4433	
C13	CTD	05/23/93	14:06	BO	36°59.55'N	164°58.91'E		4411
C13	CTD	05/23/93	15:32	EN	36°59.30'N	164°58.27'E		
C14	ROS	05/24/93	00:20	BE	38°59.86'N	165°00.07'E	5340	
C14	ROS	05/24/93	01:58	BO	38°59.32'N	165°00.57'E	5532	5446
C14	ROS	05/24/93	03:40	EN	38°58.53'N	165°00.90'E	5482	
C15	ROS	05/24/93	11:24	BE	41°00.11'N	165°00.06'E	5290	
C15	ROS	05/24/93	13:07	BO	41°01.21'N	165°00.96'E	5308	5376
C15	ROS	05/24/93	14:53	EN	41°01.40'N	165°01.48'E	5311	
C16	CTD	05/24/93	18:50	BE	42°00.19'N	164°59.80'E	5124	
C16	CTD	05/24/93	20:16	BO	42°00.97'N	164°59.94'E	5033	5046
C16	CTD	05/24/93	21:25	EN	42°01.43'N	165°00.09'E	5068	
C17	ROS	05/25/93	05:28	BE	43°59.72'N	164°59.40'E		
C17	ROS	05/25/93	07:25	BO	44°00.12'N	164°57.47'E	5647	5777
C17	ROS	05/25/93	08:57	EN	44°00.58'N	164°55.94'E	6132	
C18	ROS	05/25/93	13:10	BE	44°59.96'N	164°59.57'E	5956	
C18	ROS	05/25/93	14:53	BO	45°00.09'N	164°59.53'E	5957	6084
C18	ROS	05/25/93	16:30	EN	45°00.17'N	164°59.53'E	5955	
C19	ROS	05/25/93	20:30	BE	46°00.00'N	165°00.03'E	5783	
C19	ROS	05/25/93	22:11	BO	45°59.88'N	164°58.79'E	5775	5903
C19	ROS	05/25/93	23:48	EN	45°59.79'N	164°57.76'E	5760	
C20	ROS	05/26/93	03:50	BE	46°59.82'N	164°59.91'E	5869	
C20	ROS	05/26/93	05:28	BO	46°59.12'N	165°00.93'E	5875	5990
C20	ROS	05/26/93	07:10	EN	46°58.76'N	165°02.03'E	5897	
C21	ROS	05/26/93	11:08	BE	47°59.86'N	164°59.87'E	5833	
C21	ROS	05/26/93	12:47	BO	47°59.57'N	164°59.34'E	5845	5961
C21	ROS	05/26/93	14:10	EN	47°59.68'N	164°59.03'E	5844	

### KH9302 Leg 2

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C22	ROS	06/05/93	19:18	BE	36°59.80'N	145°00.60'E	4760	
X051	XBT	06/05/93	19:34	DE	36°59.80'N	145°00.70'E	4750	
XA01	XBT	06/05/93	19:41	DE	36°59.80'N	145°00.80'E	4740	
C22	ROS	06/05/93	20:48	BO	36°59.70'N	145°00.90'E	4728	4917
C22	ROS	06/05/93	22:25	EN	36°59.70'N	145°01.10'E	4732	
X052	XBT	06/05/93	23:51	DE	36°40.00'N	145°00.00'E	5782	
X053	XBT	06/06/93	00:58	DE	36°20.00'N	144°59.90'E	5686	
C23	ROS	06/06/93	02:12	BE	35°59.90'N	144°59.80'E	5695	
X054	XBT	06/06/93	02:16	DE	35°59.90'N	144°59.80'E	5698	

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
XA02	XBT	06/06/93	02:20	DE	35°59.70'N	144°59.80'E	5698	
C23	ROS	06/06/93	03:13	BO	35°59.20'N	144°59.10'E	5694	2200
C23	ROS	06/06/93	04:06	EN	35°58.60'N	144°58.60'E	5690	
SF2	MOR	06/06/93	07:19	RE	33°45.70'N	144°18.75'E	1901	
X055	XBT	06/06/93	07:57	DE	35°40.00'N	144°23.30'E	4660	
X056	XBT	06/06/93	09:28	DE	35°20.00'N	144°42.20'E	5693	
C24	ROS	06/06/93	11:05	BE	35°00.10'N	145°00.00'E	5774	
XA03	XBT	06/06/93	11:11	DE	35°00.00'N	145°00.10'E	5773	
X057	XBT	06/06/93	11:13	DE	35°00.10'N	145°00.10'E	5773	
C24	ROS	06/06/93	12:02	BO	34°59.80'N	145°00.20'E	5775	2200
C24	ROS	06/06/93	12:51	EN	34°59.70'N	145°00.40'E	5775	
X058	XBT	06/06/93	14:55	DE	34°39.80'N	145°00.10'E	5794	
X059	XBT	06/06/93	15:54	DE	34°20.00'N	145°00.00'E	5771	
C25	ROS	06/06/93	19:02	BE	34°01.00'N	144°59.70'E	5717	
XA04	XBT	06/06/93	19:07	DE	34°00.90'N	144°59.70'E	5720	
X060	XBT	06/06/93	19:13	DE	34°00.60'N	144°59.90'E	5725	
C25	ROS	06/06/93	20:46	BO	33°58.20'N	145°01.50'E	5721	5839
C25	ROS	06/06/93	22:45	EN	33°55.80'N	145°02.90'E	5708	
SM1	MOR	06/07/93	01:14	DE	33°59.70'N	145°00.30'E	5742	
X061	XBT	06/07/93	02:35	DE	33°39.80'N	145°00.00'E	5742	
X062	XBT	06/07/93	03:42	DE	33°20.00'N	145°00.00'E	5692	
C26	ROS	06/07/93	05:01	BE	32°59.70'N	145°00.00'E	5687	
X063	XBT	06/07/93	05:18	DE	32°59.40'N	145°00.10'E	5686	
XA05	XBT	06/07/93	05:22	DE	32°59.30'N	145°00.10'E	5685	
C26	ROS	06/07/93	05:44	BO	32°59.10'N	145°00.20'E	5683	2200
C26	ROS	06/07/93	06:44	EN	32°58.70'N	145°00.20'E	5665	
X064	XBT	06/07/93	08:00	DE	32°40.00'N	145°00.10'E	5421	
X065	XBT	06/07/93	09:11	DE	32°20.00'N	145°00.00'E	5797	
C27	ROS	06/07/93	10:25	BE	32°00.10'N	144°59.90'E	5875	
XA06	XBT	06/07/93	10:28	DE	32°00.00'N	144°59.80'E	5875	
X066	XBT	06/07/93	10:36	DE	31°59.90'N	144°59.80'E	5878	
C27	ROS	06/07/93	11:24	BO	31°59.40'N	144°59.00'E	5866	2200
C27	ROS	06/07/93	12:20	EN	31°58.80'N	144°58.20'E	5862	
X067	XBT	06/07/93	14:21	DE	31°39.90'N	145°00.10'E	6008	
X068	XBT	06/07/93	15:30	DE	31°20.00'N	145°00.00'E	6008	
X068C	XBT	06/07/93	15:56	DE	31°12.30'N	145°00.10'E		
C28	ROS	06/07/93	18:30	BE	31°00.10'N	144°59.90'E	6008	
X069	XBT	06/07/93	18:40	DE	31°00.00'N	144°59.80'E	5973	
XA07	XBT	06/07/93	18:44	DE	31°00.00'N	144°59.80'E	5974	
C28	ROS	06/07/93	20:11	BO	31°00.00'N	144°59.10'E	6008	6112
C28	ROS	06/07/93	22:07	EN	31°00.30'N	144°58.50'E	6008	
SM2	MOR	06/08/93	00:37	DE	31°01.10'N	145°00.80'E	5961	
X071	XBT	06/08/93	03:17	DE	30°20.00'N	145°00.00'E	5807	
C29	ROS	06/08/93	04:35	BE	30°00.00'N	145°00.00'E	5910	
X072	XBT	06/08/93	04:48	DE	29°59.90'N	144°59.70'E	5913	
XA08	XBT	06/08/93	04:54	DE	29°59.90'N	144°59.60'E	5913	
C29	ROS	06/08/93	05:22	BO	30°00.00'N	144°59.50'E	5914	2200
C29	ROS	06/08/93	06:13	EN	30°00.20'N	144°59.20'E	5909	
X073	XBT	06/08/93	07:38	DE	29°40.30'N	144°59.90'E	5917	
X074	XBT	06/08/93	08:52	DE	29°20.00'N	145°00.10'E	5593	

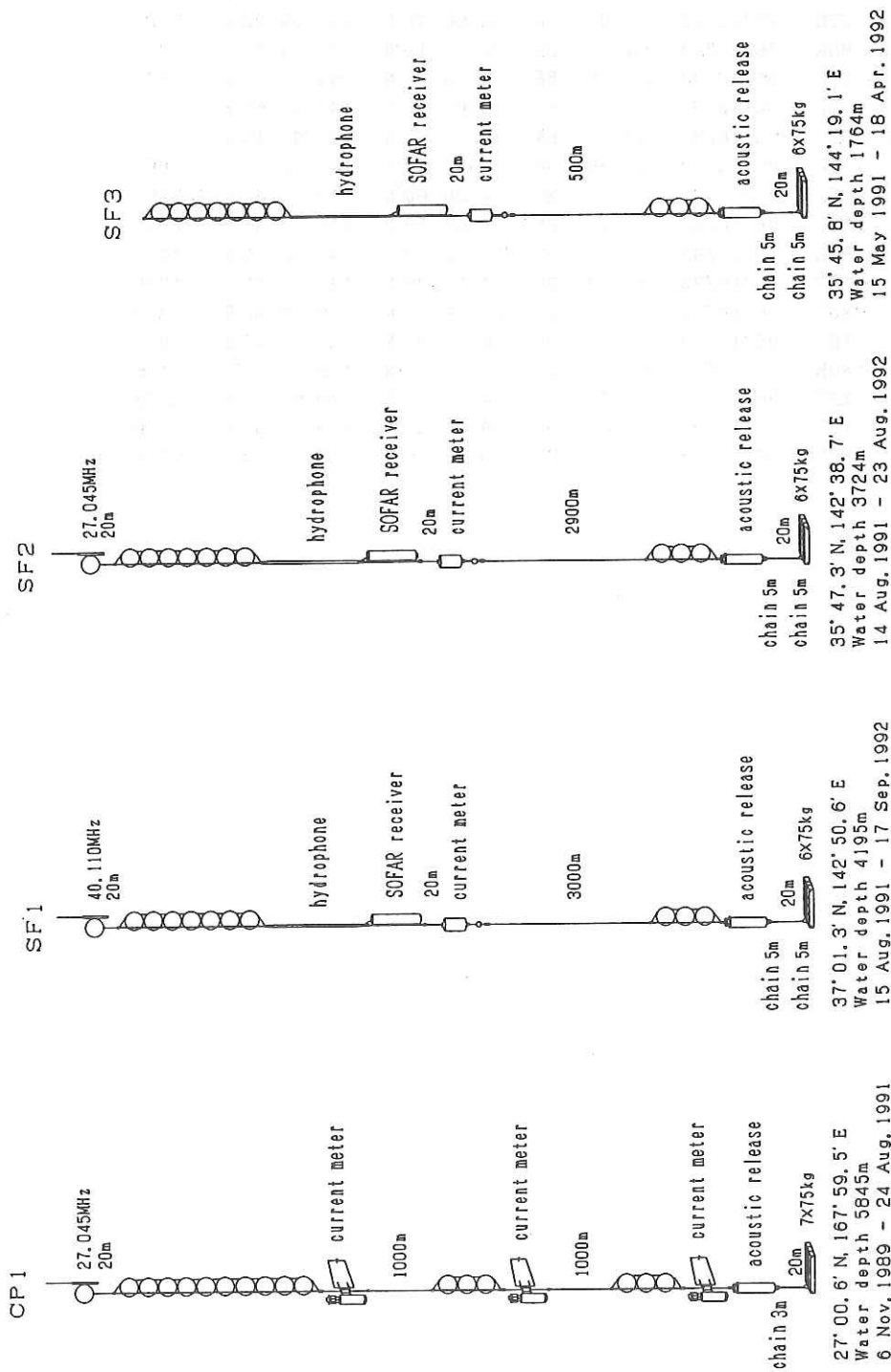
STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C30	ROS	06/08/93	10:14	BE	29°00.00'N	145°00.00'E	5873	
X075	XBT	06/08/93	10:23	DE	29°00.10'N	145°00.00'E	5877	
XA09	XBT	06/08/93	10:27	DE	29°00.10'N	145°00.00'E	5877	
C30	ROS	06/08/93	10:56	BO	29°00.30'N	145°00.30'E	5848	2200
C30	ROS	06/08/93	11:56	EN	29°00.60'N	145°00.10'E	5819	
X076	XBT	06/08/93	13:45	DE	29°00.00'N	144°30.00'E	5844	
X077	XBT	06/08/93	15:23	DE	29°00.00'N	144°00.00'E	5759	
C31	ROS	06/08/93	17:13	BE	29°00.10'N	143°30.10'E	6008	
X078	XBT	06/08/93	17:20	DE	29°00.10'N	143°30.20'E	6008	
XA10	XBT	06/08/93	17:25	DE	29°00.00'N	143°30.20'E	6008	
C31	ROS	06/08/93	17:59	BO	28°59.70'N	143°30.40'E	6008	2200
C31	ROS	06/08/93	19:00	EN	28°59.20'N	143°31.00'E	6008	
X079	XBT	06/08/93	21:05	DE	29°00.00'N	142°59.80'E	6008	
X080	XBT	06/08/93	22:43	DE	29°00.00'N	142°30.00'E	5425	
SM4	MOR	06/09/93	02:21	DE	29°00.30'N	141°53.10'E	2536	
C32	ROS	06/09/93	02:58	BE	29°01.00'N	141°52.10'E	2609	
X081	XBT	06/09/93	03:03	DE	29°01.10'N	141°52.00'E	2609	
XA11	XBT	06/09/93	03:07	DE	29°01.10'N	141°52.00'E	2609	
C32	ROS	06/09/93	03:53	BO	29°01.40'N	141°52.10'E	2610	2545
C32	ROS	06/09/93	04:56	EN	29°01.50'N	141°52.40'E	2607	
X082	XBT	06/09/93	07:35	DE	28°50.20'N	142°30.00'E	4435	
C33	CTD	06/09/93	09:33	BE	28°40.30'N	143°00.30'E	9374	
XA12	XBT	06/09/93	09:43	DE	28°40.40'N	143°00.50'E	9597	
X083	XBT	06/09/93	09:46	DE	28°40.40'N	143°00.50'E	9583	
C33	CTD	06/09/93	10:14	BO	28°40.40'N	143°00.70'E	9543	
C33	CTD	06/09/93	10:47	EN	28°40.40'N	143°00.70'E	9440	
X084	XBT	06/09/93	12:43	DE	28°29.90'N	143°30.10'E	7238	
C34	CTD	06/09/93	14:41	BE	28°20.20'N	144°00.10'E	6278	
C34	CTD	06/09/93	15:24	BO	28°20.10'N	144°01.10'E	6627	
C34	CTD	06/09/93	15:59	EN	28°19.70'N	144°00.70'E	6633	
X085	XBT	06/09/93	17:44	DE	28°09.90'N	144°30.00'E	5842	
C35	ROS	06/09/93	19:39	BE	27°59.70'N	145°00.90'E	5810	
C35	ROS	06/09/93	21:17	BO	27°58.90'N	145°01.50'E	5838	5925
C35	ROS	06/09/93	23:05	EN	27°57.90'N	145°02.10'E	5753	
SM3	MOR	06/10/93	01:18	DE	27°59.90'N	144°59.80'E	5818	
X086	XBT	06/10/93	03:30	DE	27°29.20'N	144°58.90'E	5352	
C36	ROS	06/10/93	05:39	BE	26°59.80'N	145°00.10'E	3977	
C36	ROS	06/10/93	06:30	BO	26°59.40'N	145°00.10'E	3956	2200
C36	ROS	06/10/93	07:25	EN	26°59.00'N	144°59.70'E	3770	
X087	XBT	06/10/93	09:20	DE	26°30.00'N	145°00.20'E	4881	
C37	ROS	06/10/93	11:14	BE	25°59.90'N	144°58.00'E	4784	
C37	ROS	06/10/93	12:00	BO	25°59.30'N	144°57.90'E	4781	2200
C37	ROS	06/10/93	13:05	EN	25°58.40'N	144°57.70'E	4805	
X088	XBT	06/10/93	14:52	DE	25°29.90'N	144°57.90'E	5165	
C38	ROS	06/10/93	16:41	BE	24°59.70'N	145°00.00'E	5038	
C38	ROS	06/10/93	18:08	BO	24°59.10'N	145°00.20'E	5051	5124
C38	ROS	06/10/93	19:38	EN	24°58.80'N	145°00.30'E	5040	
X089	XBT	06/10/93	21:29	DE	24°29.90'N	145°00.00'E	5182	
C39	ROS	06/10/93	23:15	BE	24°00.10'N	145°00.00'E	5717	
C39	ROS	06/11/93	00:00	BO	23°59.60'N	145°00.30'E	5718	2200



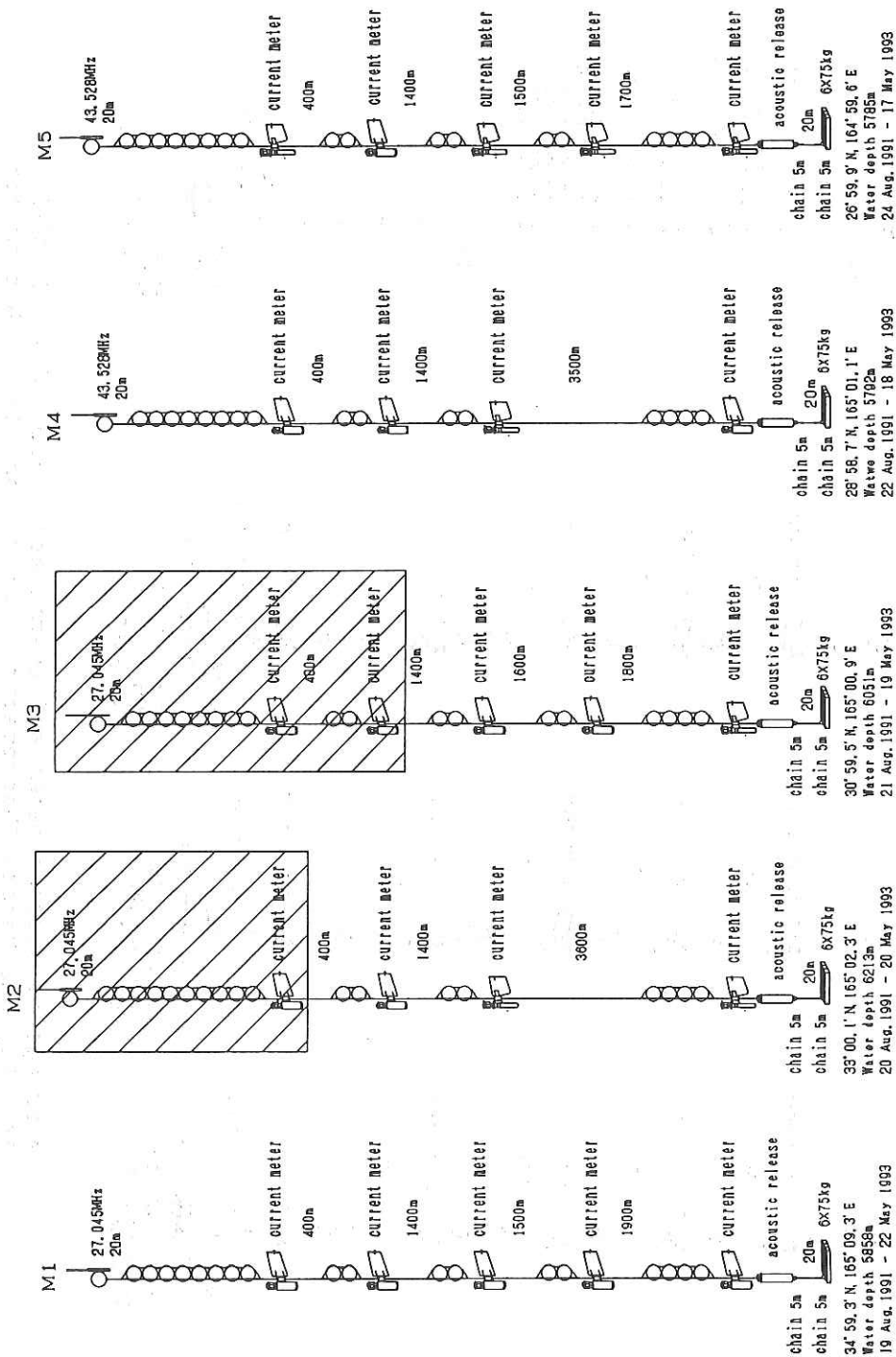
STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
C39	ROS	06/11/93	01:04	EN	23°59.20'N	145°00.70'E	5732	
X090	XBT	06/11/93	02:53	DE	23°30.00'N	145°00.00'E	5766	
C40	ROS	06/11/93	04:44	BE	23°00.10'N	145°00.00'E	7541	
C40	ROS	06/11/93	05:31	BO	22°59.90'N	144°59.70'E	7571	2200
C40	ROS	06/11/93	06:28	EN	22°59.60'N	144°59.30'E	7398	
X091	XBT	06/11/93	08:28	DE	22°30.00'N	144°59.90'E	4650	
C41	ROS	06/11/93	10:20	BE	22°00.10'N	144°59.90'E	3968	
C41	ROS	06/11/93	11:30	BO	21°59.90'N	144°59.60'E	3970	4008
C41	ROS	06/11/93	12:53	EN	21°59.40'N	144°59.30'E	4109	
X092	XBT	06/11/93	14:49	DE	21°29.90'N	145°00.00'E	3431	
C42	ROS	06/11/93	16:49	BE	20°59.80'N	145°00.00'E	1952	
C42	ROS	06/11/93	17:28	BO	20°59.90'N	145°00.10'E	1985	1947
C42	ROS	06/11/93	18:20	EN	21°00.20'N	145°00.30'E	1994	
X093	XBT	06/11/93	20:23	DE	20°29.90'N	145°05.20'E	2482	
C43	ROS	06/11/93	22:25	BE	20°00.10'N	144°59.90'E	2974	
C43	ROS	06/11/93	23:10	BO	19°59.70'N	144°59.40'E	3040	2200
C43	ROS	06/11/93	23:57	EN	19°59.50'N	144°59.10'E	3053	
X094	XBT	06/12/93	02:09	DE	20°30.00'N	144°42.30'E	2246	
X095	XBT	06/12/93	04:12	DE	21°00.00'N	144°24.60'E	2260	
X096	XBT	06/12/93	06:19	DE	21°30.00'N	144°06.60'E	2837	
X097	XBT	06/12/93	08:27	DE	21°58.90'N	144°50.00'E	1850	
X098	XBT	06/12/93	10:38	DE	22°29.80'N	143°31.30'E	3701	
X099	XBT	06/12/93	12:37	DE	22°59.70'N	143°13.00'E	4412	
X100	XBT	06/12/93	14:37	DE	23°30.00'N	142°54.70'E	3206	
X101	XBT	06/12/93	16:41	DE	24°00.00'N	142°36.50'E	3455	
X102	XBT	06/12/93	18:47	DE	24°30.00'N	142°18.10'E	2434	
X103	XBT	06/12/93	20:47	DE	25°00.00'N	142°00.00'E	2667	
X104	XBT	06/12/93	22:33	DE	25°30.10'N	142°00.00'E	3080	
X105	XBT	06/13/93	00:18	DE	25°59.70'N	142°00.00'E	3294	
X106	XBT	06/13/93	02:03	DE	26°29.80'N	141°59.90'E	2035	
X107	XBT	06/13/93	03:49	DE	27°00.00'N	141°59.90'E	0942	
X108	XBT	06/13/93	05:31	DE	27°30.00'N	141°59.90'E	2501	
X109	XBT	06/13/93	07:33	DE	28°05.00'N	141°59.90'E	1331	
X110	XBT	06/13/93	09:03	DE	28°30.00'N	141°59.90'E	2469	
X111	XBT	06/13/93	10:54	DE	29°01.40'N	141°53.70'E	2606	
X112	XBT	06/13/93	12:35	DE	29°30.00'N	141°59.90'E	4512	
X113	XBT	06/13/93	14:18	DE	30°00.00'N	142°00.00'E	5002	
X114	XBT	06/13/93	15:59	DE	30°30.00'N	142°00.00'E	5783	
X115	XBT	06/13/93	17:42	DE	31°00.00'N	141°59.90'E	6579	
X116	XBT	06/13/93	19:24	DE	31°30.00'N	141°59.90'E	6979	
X117	XBT	06/13/93	21:08	DE	32°00.40'N	141°59.90'E	8719	
X118	XBT	06/13/93	22:49	DE	32°30.50'N	141°59.90'E	8026	
X119	XBT	06/14/93	00:29	DE	33°00.00'N	141°59.90'E	8601	
X120	XBT	06/14/93	02:10	DE	33°30.00'N	142°00.00'E	9023	
DCTD1	CTD	06/14/93	03:53	BE	33°57.10'N	141°52.20'E	8918	
DCTD1	CTD	06/14/93	06:38	BO	33°58.50'N	141°55.00'E	8988	
DCTD1	CTD	06/14/93	08:38	EN	33°59.00'N	141°56.50'E	8980	
TR1	MOR	06/15/93	01:31	RE	34°07.70'N	141°23.20'E	6965	
TR1	MOR	06/15/93	02:46	DE	34°00.60'N	141°18.80'E	6565	
DCTD2	CTD	06/15/93	03:26	BE	33°58.70'N	141°15.50'E	5311	

STNNBR	TYPE	DATE	GMT	CODE	LATITUDE	LONGITUDE	BOTDEP	MAXPRS
DCTD2	CTD	06/15/93	04:56	BO	33°59.80'N	141°16.90'E	5546	
DCTD2	CTD	06/15/93	06:03	EN	34°00.40'N	141°17.90'E	5896	
DCTD3	CTD	06/15/93	07:00	BE	33°58.90'N	141°27.00'E	7176	
DCTD3	CTD	06/15/93	08:56	BO	34°00.10'N	141°28.30'E	7168	
DCTD3	CTD	06/15/93	10:25	EN	34°00.40'N	141°29.20'E	7181	
TR2	MOR	06/16/93	04:20	DE	34°00.10'N	141°54.10'E	8982	
DCTD4	CTD	06/16/93	05:18	BE	34°00.00'N	141°42.00'E	7335	
DCTD4	CTD	06/16/93	07:25	BO	34°00.00'N	141°42.60'E		
DCTD4	CTD	06/16/93	09:00	EN	34°01.60'N	141°43.10'E		
DCTD5	CTD	06/16/93	10:38	BE	34°00.00'N	142°10.20'E	7001	
DCTD5	CTD	06/16/93	12:37	BO	34°00.60'N	142°11.40'E	7057	
DCTD5	CTD	06/16/93	14:03	EN	34°01.50'N	142°12.40'E	6731	
S3	MOR	06/16/93	23:09	DE	34°00.00'N	140°00.00'E	1075	
X121	XBT	06/16/93	23:09	DE	34°00.00'N	140°00.00'E	1075	
S2	MOR	06/16/93	23:51	DE	34°04.80'N	139°58.40'E	1202	
X122	XBT	06/16/93	23:51	DE	34°04.80'N	139°58.40'E	1202	
S4	MOR	06/17/93	00:30	DE	34°01.20'N	139°54.20'E	1178	
X123	XBT	06/17/93	00:30	DE	34°01.20'N	139°54.20'E	1178	
X124	XBT	06/17/93	01:07	DE	34°06.10'N	139°52.50'E	1126	
S1	MOR	06/17/93	01:08	DE	34°06.10'N	139°52.50'E	1126	

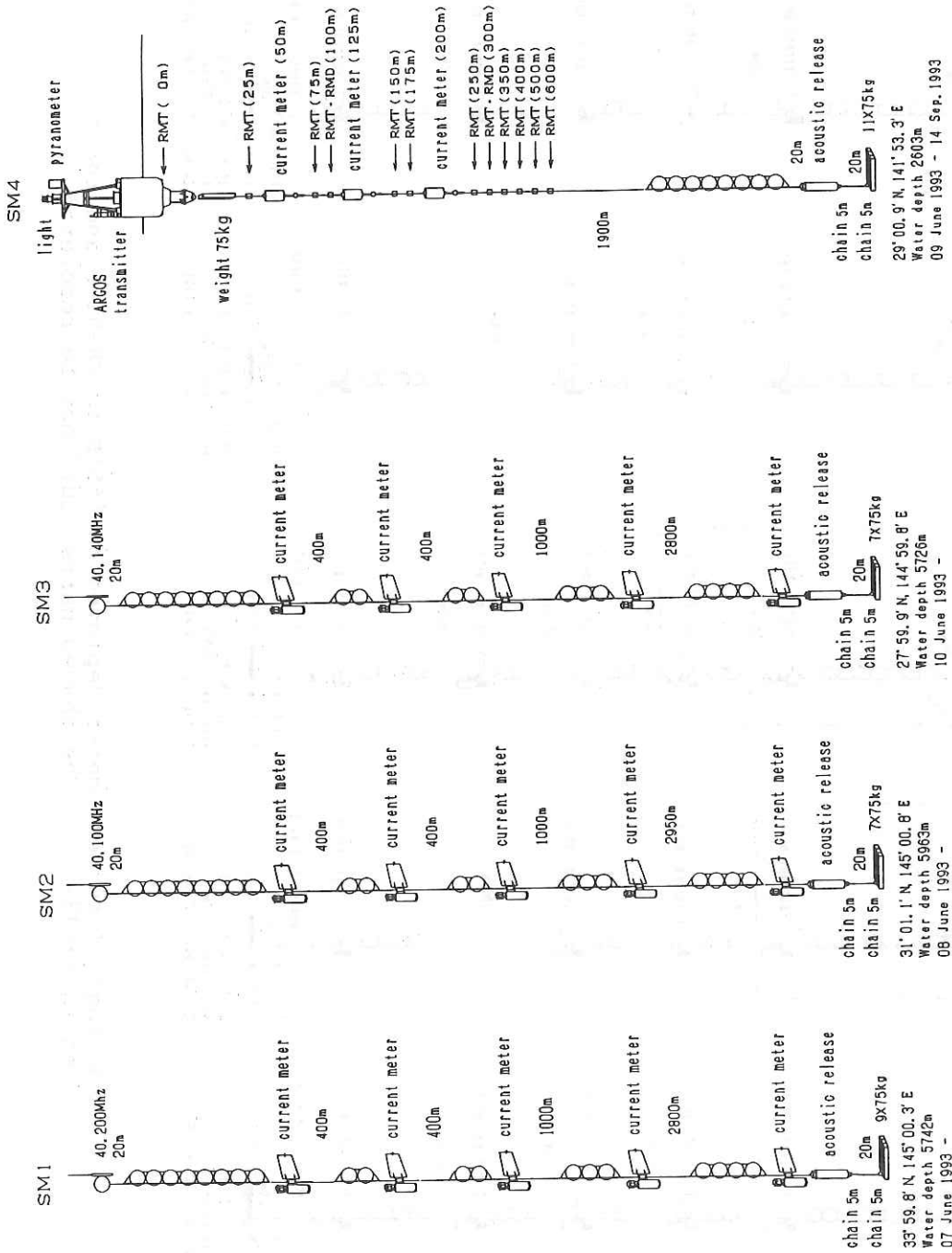
## 6. Mooring Systems



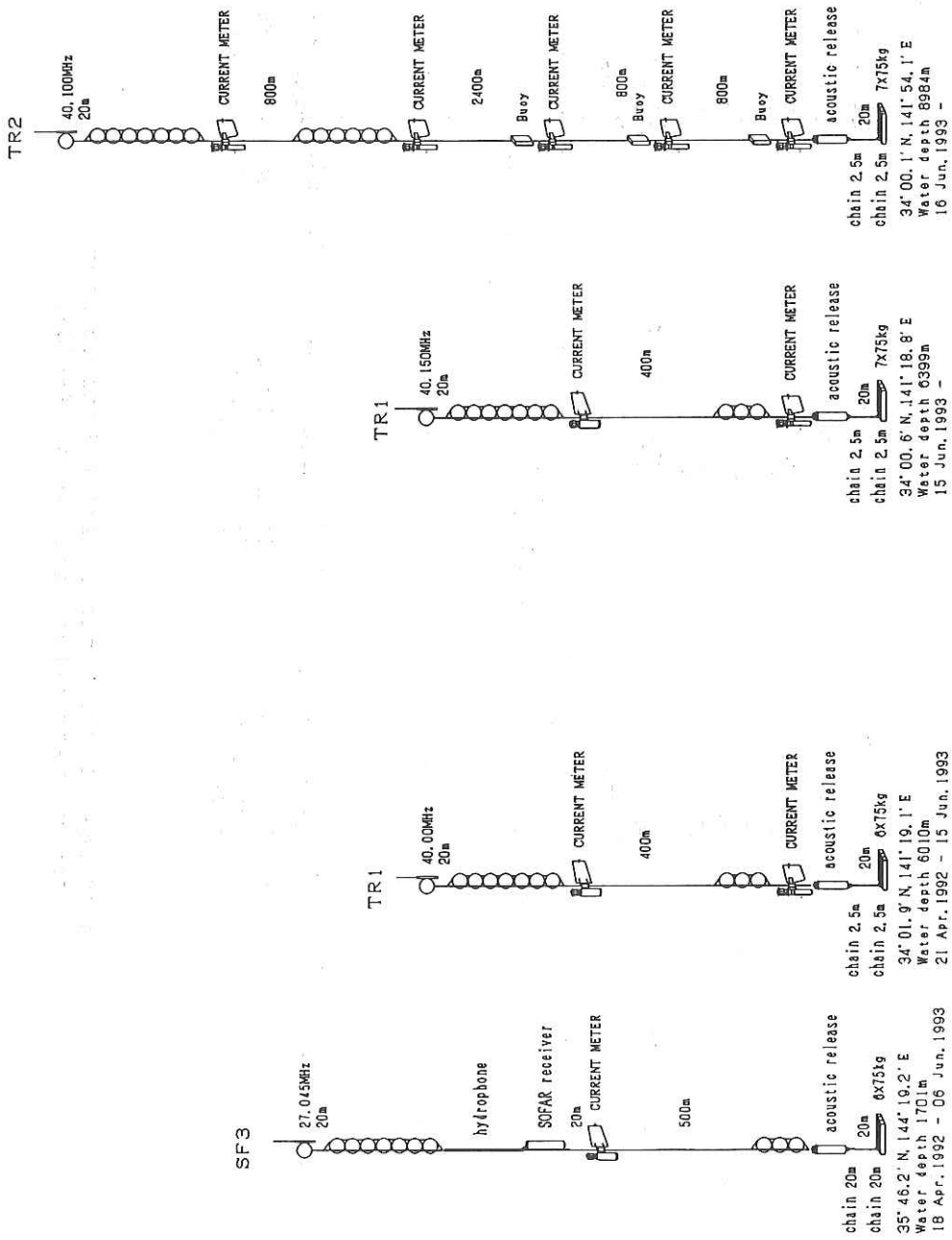
Moorings of current meter and SOFAR-float receiver recovered (left) and deployed (right three) in the Cruise KH-91-5



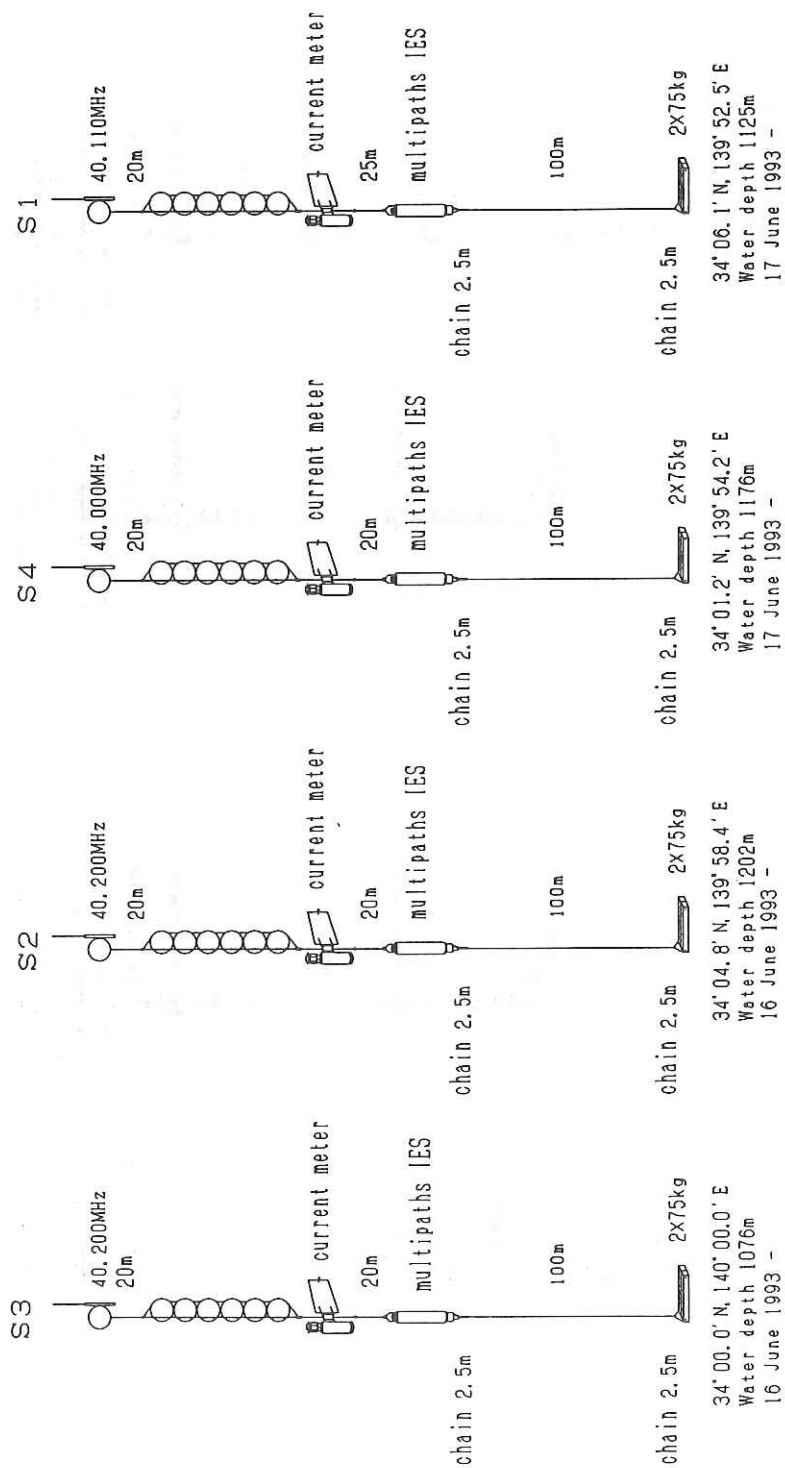
Moorings of current meter deployed on 165°E in KH-91-5 and recovered in KH-93-2. The shaded parts could not be recovered.



Moorings of current meter and thermometer deployed in KH-93-2.  
RMT: Rigosha Memory Thermometer, RMD: Rigosha Memory Depthmeter



Moorings of current meter recovered (left two) and deployed (right two) in KH-93-2.



Moorings of Multipath Inverted Echo Sounder and current meter deployed in KH-93-2.

## 7. CTDO<sub>2</sub> Data

KH9105  
CJT1

September 14, 1991  
36°16.80'N, 143°01.59'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	27.6418	34.2445	4.7105
20.0	27.6440	34.2475	4.6993
30.0	25.4712	34.4974	4.8145
40.0	23.3547	34.3325	4.8457
50.0	22.0803	34.6457	4.4923
60.0	21.6083	34.6921	4.3721
70.0	20.8081	34.6422	4.2985
80.0	20.2530	34.7347	4.3567
90.0	19.7583	34.7957	4.4689
100.0	19.2099	34.8213	4.4956
120.0	18.5446	34.7951	4.4182
140.0	17.2020	34.7119	4.4267
160.0	16.2751	34.6866	4.3085
180.0	14.8098	34.5632	4.1240
200.0	13.5293	34.5016	3.9395
220.0	12.8837	34.4772	3.8073
240.0	12.3012	34.4477	3.7194
260.0	11.3445	34.4029	3.6515
280.0	10.5348	34.3589	3.5795
300.0	9.9836	34.3314	3.4791
350.0	8.9147	34.2952	3.1371
400.0	7.8175	34.2699	2.8450
450.0	3.9209	33.7649	3.6820
500.0	4.0161	33.8538	3.1725
550.0	4.1528	33.9682	2.5717
600.0	3.9555	34.0013	2.1881
650.0	4.0486	34.1017	1.7416
700.0	3.8831	34.1627	1.4155
750.0	3.5994	34.1760	1.2175
800.0	3.7182	34.2688	1.1600
850.0	3.4501	34.2882	1.0488
900.0	3.4222	34.3345	1.0299
950.0	3.2703	34.3618	1.0211
1000.0	3.1404	34.3860	1.0487
1200.0	2.6426	34.4439	0.9771
1400.0	2.4241	34.4917	1.0884
1600.0	2.2612	34.5303	1.2500
1800.0	2.1300	34.5608	1.4576
2000.0	2.0162	34.5843	1.6830
2200.0	1.9107	34.6053	1.9323
2400.0	1.8104	34.6236	2.3265
2600.0	1.7211	34.6384	2.5412
2800.0	1.6618	34.6492	2.7713
3000.0	1.6009	34.6577	2.9370
3500.0	1.5372	34.6702	3.2453
4000.0	1.5042	34.6793	3.3727
4500.0	1.5025	34.6847	3.5825
5000.0	1.5313	34.6884	3.6597
5500.0	1.5788	34.6898	3.7590
5947.0	1.6301	34.6920	3.8069

KH9105  
CJT2

September 14, 1991  
36°36.99'N, 142°58.19'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	20.4575	33.6611	5.4269
20.0	15.0115	33.9816	6.4777
30.0	13.2394	33.9042	5.8730
40.0	12.7210	33.9285	5.5751
50.0	12.4990	34.0336	5.2970
60.0	12.2693	34.1994	4.7808
70.0	12.0763	34.2266	4.6421
80.0	11.0545	34.0841	4.9678
90.0	10.7988	34.0830	5.1996
100.0	10.2823	33.9800	5.5569
120.0	9.5178	33.9471	5.6629
140.0	8.2977	33.8791	5.8321
160.0	7.9876	33.8844	5.8943
180.0	7.4223	33.8794	5.9545
200.0	7.1070	33.9080	5.7721
220.0	7.3889	34.0121	5.6196
240.0	6.6749	33.9608	5.2535
260.0	6.4556	33.9854	4.8578
280.0	6.3222	34.0157	4.4601
300.0	6.1800	34.0411	4.0882
350.0	5.8497	33.9949	3.3420
400.0	5.0472	34.0717	2.6661
450.0	4.7901	34.1341	2.1443
500.0	4.2650	34.1541	1.7766
550.0	4.0817	34.1821	1.5311
600.0	3.8031	34.2018	1.3371
650.0	3.7613	34.2502	1.2131
700.0	3.5860	34.2674	1.1390
750.0	3.3719	34.2972	1.0495
800.0	3.2469	34.3192	0.9632
850.0	3.1122	34.3490	0.9375
900.0	3.0226	34.3714	0.9419
950.0	2.9420	34.3918	0.9479
1000.0	2.8523	34.4070	0.9395
1200.0	2.5887	34.4688	1.0070
1400.0	2.3512	34.5076	1.1328
1600.0	2.1993	34.5494	1.3608
1800.0	2.0165	34.5825	1.6616
2000.0	1.9072	34.6029	1.9346
2200.0	1.7928	34.6247	2.2713
2400.0	1.7031	34.6396	2.5221
2600.0	1.6383	34.6503	2.7187
2800.0	1.6004	34.6573	2.9042
3000.0	1.5696	34.6628	3.0057
3500.0	1.4981	34.6758	3.3001
4000.0	1.4780	34.6849	3.4773
4500.0	1.4865	34.6870	3.6119
5000.0	1.5228	34.6900	3.7124
5500.0	1.5700	34.6918	3.7954
6000.0	1.6320	34.6927	3.8329
6010.0	1.6333	34.6925	3.8325



KH9105 September 17, 1991  
**C01** 39°59.60'N, 165°01.12'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	16.7907	33.8435	5.9193
20.0	16.7930	33.8448	5.8446
30.0	14.1508	33.8194	6.3138
40.0	13.0877	33.8742	6.4071
50.0	11.8703	33.8952	6.1165
60.0	10.5622	33.9203	6.0320
70.0	10.3243	34.0250	5.7932
80.0	9.2396	33.8938	6.0262
90.0	8.3280	33.7940	6.4146
100.0	7.9845	33.7657	6.3637
120.0	7.9954	33.8723	6.3548
140.0	8.0177	33.9582	6.2390
160.0	8.1788	34.0366	6.1376
180.0	7.7592	33.9910	6.0371
200.0	7.2360	33.9292	5.9238
220.0	6.8822	33.8905	5.7840
240.0	6.4277	33.8448	5.6043
260.0	6.4727	33.8835	5.3710
280.0	6.1960	33.8819	5.0705
300.0	5.7622	33.8555	4.6892
350.0	5.1350	33.8806	3.6256
400.0	4.9056	33.9354	3.0776
450.0	4.5927	33.9635	2.6345
500.0	4.3637	33.9983	2.2601
550.0	4.1910	34.0424	1.8689
600.0	4.2838	34.1279	1.6156
650.0	4.1543	34.1590	1.4332
700.0	3.9842	34.1891	1.2610
750.0	3.8536	34.2237	1.1451
800.0	3.7070	34.2528	1.0536
850.0	3.5609	34.2841	0.9792
900.0	3.4145	34.3042	0.9256
950.0	3.3127	34.3299	0.8978
1000.0	3.2009	34.3531	0.8813
1200.0	2.7801	34.4243	0.8444
1400.0	2.4807	34.4804	0.9562
1600.0	2.2598	34.5167	1.1181
1800.0	2.1155	34.5541	1.3307
2000.0	1.9755	34.5841	1.5607
2200.0	1.8634	34.6069	1.8387
2400.0	1.7702	34.6253	2.1121
2600.0	1.6878	34.6395	2.3888
2800.0	1.6248	34.6510	2.6166
3000.0	1.5790	34.6590	2.8241
3500.0	1.5105	34.6726	3.1691
4000.0	1.4903	34.6805	3.3877
4500.0	1.4969	34.6859	3.5477
5000.0	1.5318	34.6893	3.6316
5500.0	1.5872	34.6904	3.6738
5504.0	1.5876	34.6909	3.6737

KH9105 September 18, 1991  
**C02** 38°59.77'N, 165°00.44'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	20.6513	34.1681	5.1871
20.0	20.6179	34.1661	5.3164
30.0	18.7562	34.2744	5.5349
40.0	16.9920	34.3590	5.8834
50.0	15.6458	34.4810	5.9545
60.0	14.8271	34.4682	5.5475
70.0	14.3378	34.4884	5.1697
80.0	13.6077	34.4351	5.0121
90.0	13.2035	34.4186	5.0699
100.0	12.6382	34.3679	5.0872
120.0	11.9802	34.3561	5.0724
140.0	11.4879	34.3249	5.1706
160.0	11.0448	34.2940	5.2326
180.0	10.5278	34.2508	5.2443
200.0	10.0529	34.1916	5.2627
220.0	9.5946	34.1694	5.2754
240.0	9.1372	34.1223	5.3101
260.0	8.4827	34.0535	5.4664
280.0	7.9773	33.9969	5.6582
300.0	7.7589	34.0040	5.1925
350.0	6.5024	33.9118	4.7688
400.0	6.1933	33.9875	3.8613
450.0	5.3189	33.9571	3.3438
500.0	4.7936	33.9734	2.6891
550.0	4.3670	33.9880	2.2572
600.0	4.3424	34.0604	1.9660
650.0	4.1932	34.1152	1.6670
700.0	3.9529	34.1529	1.4156
750.0	3.8037	34.1878	1.2766
800.0	3.6821	34.2218	1.1453
850.0	3.5638	34.2639	1.0504
900.0	3.4665	34.2951	0.9844
950.0	3.3389	34.3175	0.9419
1000.0	3.2389	34.3467	0.9011
1200.0	2.8148	34.4264	0.8108
1400.0	2.5400	34.4766	0.8850
1600.0	2.2929	34.5219	1.0535
1800.0	2.1242	34.5542	1.2859
2000.0	1.9873	34.5831	1.5373
2200.0	1.8618	34.6072	1.8491
2400.0	1.7610	34.6260	2.1516
2600.0	1.6835	34.6398	2.4215
2800.0	1.6214	34.6509	2.6682
3000.0	1.5663	34.6604	2.8771
3500.0	1.4897	34.6750	3.2684
4000.0	1.4623	34.6832	3.5127
4500.0	1.4773	34.6870	3.6473
5000.0	1.5292	34.6884	3.6784
5407.0	1.5759	34.6897	3.6605

KH9105		September 18, 1991	
C03		37°59.75'N, 165°01.49'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	22.8659	34.2649	5.0282
20.0	22.7654	34.3085	5.1698
30.0	20.6053	34.6558	5.3208
40.0	19.0184	34.6577	5.4183
50.0	18.1293	34.6939	4.9170
60.0	17.2230	34.6826	5.1532
70.0	16.7969	34.7092	5.0658
80.0	16.5733	34.7101	4.9694
90.0	16.4588	34.7128	4.9014
100.0	16.3406	34.7075	4.8406
120.0	15.9803	34.6891	4.7464
140.0	15.5636	34.6514	4.8343
160.0	15.2854	34.6296	5.1137
180.0	15.1760	34.6236	5.1912
200.0	14.9755	34.6059	4.9945
220.0	14.5553	34.5770	4.8081
240.0	14.2621	34.5713	4.9713
260.0	14.2376	34.5864	5.3045
280.0	14.1395	34.5764	5.2976
300.0	13.8248	34.5342	5.0853
350.0	13.1527	34.4643	4.8914
400.0	11.8851	34.3768	4.7239
450.0	10.6002	34.2740	4.4082
500.0	8.9599	34.1418	4.3760
550.0	7.8905	34.0811	3.9849
600.0	6.7855	34.0243	3.6556
650.0	5.8522	34.0001	3.1831
700.0	5.2314	34.0147	2.8193
750.0	4.9789	34.0438	2.5294
800.0	4.7244	34.0852	2.0228
850.0	4.4599	34.1344	1.5743
900.0	4.1302	34.1886	1.3711
950.0	3.9103	34.2178	1.2409
1000.0	3.7701	34.2478	1.0749
1200.0	3.1526	34.3675	0.8318
1400.0	2.7804	34.4372	0.8067
1600.0	2.4785	34.4960	0.9260
1800.0	2.2548	34.5378	1.1752
2000.0	2.0911	34.5679	1.3757
2200.0	1.9567	34.5935	1.6981
2400.0	1.8358	34.6148	1.9636
2600.0	1.7389	34.6324	2.2680
2800.0	1.6641	34.6449	2.5379
3000.0	1.6087	34.6546	2.7327
3500.0	1.5238	34.6712	3.1049
4000.0	1.4873	34.6804	3.3765
4500.0	1.4923	34.6857	3.5107
5000.0	1.5316	34.6883	3.6218
5500.0	1.5903	34.6896	3.6404
5504.0	1.5912	34.6897	3.6461

KH9105		September 18, 1991	
C04		37°00.91'N, 164°59.06'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	23.0666	34.2810	5.2148
20.0	23.0706	34.2808	5.2657
30.0	19.4791	34.5988	5.7853
40.0	17.9988	34.6658	5.6446
50.0	17.4398	34.6781	5.3432
60.0	16.8615	34.6947	5.6270
70.0	16.5962	34.7091	5.3970
80.0	16.4595	34.7131	5.2606
90.0	16.3281	34.7157	5.1605
100.0	16.1504	34.7033	5.1183
120.0	15.7278	34.6670	5.1059
140.0	15.4346	34.6404	5.1585
160.0	15.2531	34.6263	5.3288
180.0	15.1956	34.6251	5.3394
200.0	15.0699	34.6134	5.2264
220.0	14.7612	34.5883	5.0172
240.0	14.3795	34.5665	5.1573
260.0	14.2905	34.5819	5.3893
280.0	14.2819	34.5931	5.4089
300.0	14.2500	34.5927	5.4779
350.0	13.8757	34.5412	5.3041
400.0	13.1184	34.4584	5.1347
450.0	12.0190	34.3751	4.8888
500.0	10.7397	34.2829	4.7216
550.0	9.6535	34.2035	4.4387
600.0	8.6320	34.1310	4.2592
650.0	7.4431	34.0566	3.9564
700.0	6.4147	34.0093	3.5221
750.0	5.4526	33.9912	3.0192
800.0	5.0519	34.0266	2.5103
850.0	4.7208	34.0834	2.0574
900.0	4.5204	34.1214	1.7183
950.0	4.2566	34.1733	1.4800
1000.0	4.0123	34.2194	1.2432
1200.0	3.3460	34.3339	0.8521
1400.0	2.8653	34.4151	0.7815
1600.0	2.5307	34.4779	0.8753
1800.0	2.3135	34.5254	1.0732
2000.0	2.1262	34.5615	1.3519
2200.0	1.9924	34.5871	1.6290
2400.0	1.8471	34.6124	1.9593
2600.0	1.7345	34.6319	2.2878
2800.0	1.6588	34.6455	2.5611
3000.0	1.6056	34.6549	2.7880
3500.0	1.5098	34.6722	3.1853
4000.0	1.4792	34.6804	3.4215
4500.0	1.4758	34.6872	3.5991
4798.0	1.4999	34.6887	3.6222

KH9105 September 19, 1991  
**C05** 36°00.08'N, 164°58.33'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	24.0097	34.2161	4.7761
20.0	23.9261	34.2063	4.8807
30.0	21.3797	34.6301	5.0881
40.0	19.4734	34.3491	5.4524
50.0	19.0019	34.3997	5.3461
60.0	18.7157	34.4128	5.2096
70.0	18.0037	34.4515	5.2120
80.0	17.1205	34.5630	5.0619
90.0	16.8035	34.6234	4.7100
100.0	16.5166	34.6628	4.4982
120.0	15.7055	34.6102	4.5451
140.0	14.1964	34.4331	4.9630
160.0	13.5981	34.4973	4.7009
180.0	12.9746	34.4508	4.7131
200.0	12.4643	34.4025	4.9573
220.0	11.8517	34.3531	5.0137
240.0	11.3572	34.3279	4.7889
260.0	10.7516	34.2718	4.9713
280.0	10.1522	34.2163	4.9396
300.0	9.4637	34.1548	4.8489
350.0	8.2627	34.0819	4.6696
400.0	6.7734	33.9526	4.1023
450.0	6.3455	34.0050	3.4900
500.0	5.6188	33.9979	3.0697
550.0	5.1213	34.0134	2.5794
600.0	4.7670	34.0520	2.1091
650.0	4.5342	34.1118	1.7939
700.0	4.2705	34.1533	1.5761
750.0	4.0606	34.2010	1.3369
800.0	3.8744	34.2408	1.1744
850.0	3.6804	34.2732	1.0683
900.0	3.5347	34.3025	0.9799
950.0	3.3955	34.3320	0.9552
1000.0	3.2535	34.3515	0.9282
1200.0	2.8031	34.4233	0.8458
1400.0	2.4824	34.4867	0.9683
1600.0	2.2795	34.5301	1.1481
1800.0	2.1087	34.5631	1.3930
2000.0	1.9535	34.5910	1.6667
2200.0	1.8211	34.6141	1.9590
2400.0	1.7342	34.6304	2.2280
2600.0	1.6475	34.6450	2.5203
2800.0	1.5870	34.6555	2.7303
3000.0	1.5357	34.6642	2.9395
3500.0	1.4802	34.6758	3.2561
4000.0	1.4675	34.6821	3.4511
4500.0	1.4838	34.6862	3.5963
5000.0	1.4977	34.6910	3.7705
5500.0	1.5217	34.6945	3.9591
5555.0	1.5252	34.6939	3.9590

KH9105 September 19, 1991  
**C06** 34°59.39'N, 165°00.91'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	24.9045	34.1377	4.8935
20.0	24.9066	34.1373	4.9384
30.0	24.0512	34.1656	5.0632
40.0	21.7871	34.2965	5.2515
50.0	19.5444	34.2053	5.4640
60.0	18.8298	34.3248	5.4075
70.0	18.0808	34.3833	5.5407
80.0	16.7953	34.3821	5.6259
90.0	16.0849	34.5982	4.9232
100.0	15.5100	34.5899	4.6424
120.0	13.5197	34.4294	5.0389
140.0	12.8191	34.3898	5.0364
160.0	11.8902	34.3412	4.8398
180.0	11.2943	34.2912	5.0432
200.0	10.6650	34.2402	5.1225
220.0	10.1351	34.1990	5.1250
240.0	9.6604	34.1568	5.1548
260.0	9.4091	34.1526	4.9912
280.0	9.0013	34.1242	5.1566
300.0	8.4492	34.0699	5.0387
350.0	7.2074	33.9669	4.7651
400.0	6.0231	33.8974	4.3220
450.0	5.4794	33.9459	3.8179
500.0	4.8781	33.9457	3.2458
550.0	4.6541	34.0177	2.5714
600.0	4.1917	34.0418	2.0629
650.0	4.3284	34.1626	1.5854
700.0	4.1627	34.2026	1.3780
750.0	3.9587	34.2364	1.2058
800.0	3.7958	34.2614	1.1790
850.0	3.6360	34.2979	1.0682
900.0	3.5125	34.3272	1.0692
950.0	3.3573	34.3528	1.0566
1000.0	3.1794	34.3735	0.9482
1200.0	2.7350	34.4437	0.9217
1400.0	2.4276	34.4946	0.9640
1600.0	2.2158	34.5389	1.2162
1800.0	2.0467	34.5741	1.4684
2000.0	1.8875	34.6026	1.7634
2200.0	1.7643	34.6238	2.0783
2400.0	1.6784	34.6387	2.3417
2600.0	1.6214	34.6501	2.5911
2800.0	1.5775	34.6582	2.7613
3000.0	1.5477	34.6640	2.9362
3500.0	1.4979	34.6751	3.2625
4000.0	1.4790	34.6815	3.4712
4500.0	1.4866	34.6866	3.6286
5000.0	1.5011	34.6903	3.7842
5500.0	1.5215	34.6947	3.9373
5879.0	1.5537	34.6959	4.0053

KH9105		September 20, 1991	
C07		33°59.78'N, 165°00.41'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	25.0795	34.5185	5.2669
20.0	25.0467	34.5212	5.2012
30.0	21.6846	34.6970	5.7246
40.0	19.9470	34.7785	5.8646
50.0	18.8314	34.7813	5.7830
60.0	18.2733	34.7688	5.5948
70.0	17.9637	34.7697	5.4949
80.0	17.6270	34.7742	5.3983
90.0	17.3599	34.7733	5.1844
100.0	17.2519	34.7824	5.0037
120.0	16.9563	34.7725	5.0530
140.0	16.7881	34.7646	5.0510
160.0	16.6970	34.7653	5.0628
180.0	16.6345	34.7664	5.0807
200.0	16.5721	34.7623	4.9600
220.0	16.4814	34.7539	5.0038
240.0	16.3807	34.7448	4.9994
260.0	16.2570	34.7371	4.9640
280.0	16.1574	34.7281	4.9342
300.0	15.9785	34.7131	4.8186
350.0	15.0871	34.6201	4.5783
400.0	13.8322	34.5259	4.5293
450.0	12.5790	34.4285	4.5184
500.0	11.2452	34.3303	4.4677
550.0	9.6605	34.2116	4.3190
600.0	8.2614	34.1095	4.0301
650.0	6.8272	34.0276	3.6285
700.0	5.9674	34.0017	3.1611
750.0	5.4125	34.0192	2.6751
800.0	4.9062	34.0627	2.2192
850.0	4.3559	34.0938	1.8426
900.0	4.2929	34.1704	1.5412
950.0	4.1426	34.2087	1.3344
1000.0	3.9187	34.2439	1.1514
1200.0	3.2680	34.3583	0.8846
1400.0	2.7503	34.4409	0.8503
1600.0	2.4299	34.5069	1.0519
1800.0	2.2013	34.5445	1.2266
2000.0	2.0252	34.5796	1.5182
2200.0	1.8908	34.6055	1.8532
2400.0	1.7766	34.6245	2.1589
2600.0	1.6976	34.6397	2.4652
2800.0	1.6478	34.6500	2.6936
3000.0	1.6085	34.6582	2.8630
3500.0	1.5412	34.6695	3.1544
4000.0	1.5063	34.6783	3.3974
4500.0	1.5050	34.6839	3.5671
5000.0	1.5234	34.6884	3.7102
5500.0	1.5398	34.6928	3.8661
6000.0	1.5732	34.6955	4.0177
6006.0	1.5741	34.6960	3.9944

KH9105		September 20, 1991	
C08		33°00.50'N, 163°59.89'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.4595	34.7860	4.7563
20.0	27.2410	34.7956	4.8233
30.0	25.8533	34.7548	4.9934
40.0	20.8623	34.8213	5.7949
50.0	19.7874	34.8067	5.7804
60.0	18.6564	34.7907	5.7615
70.0	17.7868	34.7734	5.5827
80.0	17.2629	34.7618	5.4244
90.0	17.0378	34.7583	5.2537
100.0	16.8104	34.7433	5.0808
120.0	16.6093	34.7456	4.9979
140.0	16.4471	34.7389	5.0671
160.0	16.3230	34.7325	5.1326
180.0	16.2004	34.7252	5.1129
200.0	16.0766	34.7150	5.0885
220.0	15.7901	34.6793	4.9982
240.0	15.4626	34.6433	4.9806
260.0	15.2393	34.6239	5.0625
280.0	14.9922	34.6036	4.9972
300.0	14.6211	34.5724	5.0174
350.0	13.6244	34.4978	4.7956
400.0	12.5768	34.4205	4.6120
450.0	11.3235	34.3336	4.5304
500.0	10.0639	34.2365	4.5020
550.0	8.9439	34.1531	4.3467
600.0	7.6181	34.0624	3.9454
650.0	6.5711	34.0114	3.4219
700.0	5.7819	34.0014	2.9710
750.0	5.1894	34.0268	2.4696
800.0	4.8407	34.0822	1.9050
850.0	4.5731	34.1255	1.5957
900.0	4.2886	34.1762	1.2501
950.0	4.0309	34.2150	1.0599
1000.0	3.8428	34.2492	0.9436
1200.0	3.2034	34.3686	0.7562
1400.0	2.7453	34.4488	0.8229
1600.0	2.4606	34.5145	0.9687
1800.0	2.2238	34.5554	1.2931
2000.0	2.0411	34.5879	1.6502
2200.0	1.9032	34.6103	1.9858
2400.0	1.7967	34.6274	2.2665
2600.0	1.7036	34.6423	2.5308
2800.0	1.6536	34.6501	2.6928
3000.0	1.6056	34.6578	2.8450
3500.0	1.5420	34.6699	3.1375
4000.0	1.5094	34.6779	3.3722
4500.0	1.5037	34.6837	3.5655
5000.0	1.5167	34.6882	3.7417
5500.0	1.5379	34.6933	3.8946
6000.0	1.5772	34.6951	3.9836
6204.0	1.5997	34.6964	3.9966

KH9105 C09		September 20, 1991 32°59.67'N, 164°59.87'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	26.6885	34.6616	4.7866
20.0	26.6197	34.6571	4.7063
30.0	22.2780	34.7645	5.2481
40.0	19.9739	34.7881	5.5577
50.0	18.9786	34.7968	5.4969
60.0	18.3423	34.8008	5.3941
70.0	17.9611	34.7958	5.2932
80.0	17.6485	34.7938	5.2605
90.0	17.3322	34.7858	5.0831
100.0	17.1401	34.7724	5.0417
120.0	16.7569	34.7469	5.0041
140.0	16.6309	34.7444	4.9819
160.0	16.5432	34.7477	5.1030
180.0	16.4847	34.7472	5.1668
200.0	16.3826	34.7387	5.1916
220.0	16.3165	34.7374	5.1558
240.0	16.2245	34.7270	5.1933
260.0	16.1138	34.7169	5.1685
280.0	15.9935	34.7081	5.1192
300.0	15.6099	34.6607	5.0718
350.0	15.1168	34.6183	5.1792
400.0	14.0522	34.5319	4.8473
450.0	13.0944	34.4661	4.6199
500.0	11.8712	34.3672	4.5262
550.0	10.6340	34.2763	4.4788
600.0	9.2519	34.1766	4.3928
650.0	7.9502	34.0767	4.1963
700.0	6.8655	34.0222	3.8208
750.0	5.9652	33.9984	3.2409
800.0	5.4453	34.0251	2.6206
850.0	4.9321	34.0631	2.1754
900.0	4.6437	34.1115	1.7552
950.0	4.3318	34.1629	1.4457
1000.0	4.1139	34.2081	1.2282
1200.0	3.4114	34.3336	0.8350
1400.0	2.8820	34.4275	0.7880
1600.0	2.5641	34.4850	0.8665
1800.0	2.3056	34.5392	1.1298
2000.0	2.0878	34.5762	1.4745
2200.0	1.9282	34.6027	1.8135
2400.0	1.8154	34.6214	2.1306
2600.0	1.7169	34.6365	2.4085
2800.0	1.6510	34.6477	2.6486
3000.0	1.6137	34.6565	2.8624
3500.0	1.5400	34.6708	3.2149
4000.0	1.5124	34.6788	3.3715
4500.0	1.5035	34.6842	3.5695
5000.0	1.5097	34.6896	3.7657
5500.0	1.5333	34.6935	3.9042
6000.0	1.5732	34.6956	4.0075
6208.0	1.5943	34.6962	4.0330

KH9105 C10		September 21, 1991 33°00.19'N, 166°00.34'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	25.4549	34.6195	5.1235
20.0	24.6286	34.5879	5.2236
30.0	24.3828	34.6174	5.1491
40.0	21.8864	34.6654	5.2421
50.0	21.0534	34.7585	5.2754
60.0	19.8948	34.7739	5.4310
70.0	19.0864	34.7350	5.1090
80.0	18.7623	34.7859	5.3943
90.0	18.0889	34.7558	5.3269
100.0	17.6902	34.7741	5.1963
120.0	17.2102	34.7752	5.0404
140.0	16.8933	34.7706	5.0154
160.0	16.7736	34.7678	5.0213
180.0	16.6776	34.7654	5.0793
200.0	16.6012	34.7611	5.1180
220.0	16.5364	34.7575	5.0725
240.0	16.4435	34.7492	4.9990
260.0	16.2909	34.7325	4.9098
280.0	16.0992	34.7165	4.8161
300.0	15.8522	34.6949	4.7291
350.0	14.9157	34.6164	4.5823
400.0	13.5839	34.5045	4.5212
450.0	12.5886	34.4332	4.5103
500.0	11.0116	34.3137	4.4983
550.0	9.7949	34.2209	4.4297
600.0	8.3352	34.1375	4.2573
650.0	6.8464	33.9947	3.9708
700.0	6.0073	33.9875	3.5704
750.0	5.2764	33.9898	3.1269
800.0	4.9854	34.0518	2.4529
850.0	4.6874	34.0980	1.9716
900.0	4.4438	34.1395	1.6554
950.0	4.1863	34.1881	1.3945
1000.0	3.9417	34.2315	1.1760
1200.0	3.3149	34.3470	0.8356
1400.0	2.8470	34.4315	0.8601
1600.0	2.5210	34.4980	0.8804
1800.0	2.2530	34.5471	1.1550
2000.0	2.0707	34.5799	1.4757
2200.0	1.9104	34.6047	1.8151
2400.0	1.8060	34.6233	2.1361
2600.0	1.7166	34.6375	2.3669
2800.0	1.6491	34.6495	2.6202
3000.0	1.6011	34.6573	2.8077
3500.0	1.5313	34.6708	3.1438
4000.0	1.5038	34.6797	3.3886
4500.0	1.5000	34.6857	3.5761
5000.0	1.5136	34.6900	3.7408
5500.0	1.5301	34.6942	3.9569
6000.0	1.5731	34.6959	4.0395
6087.0	1.5820	34.6966	4.0109

KH9105 C11		September 21, 1991 32°00.38'N, 164°59.43'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	27.1661	34.4365	4.7588
20.0	26.5584	34.4425	4.9404
30.0	24.1211	34.7294	5.2473
40.0	21.3856	34.6821	5.4682
50.0	20.2367	34.7342	5.6403
60.0	19.5828	34.7728	5.5087
70.0	18.8944	34.7766	5.2861
80.0	18.3159	34.7683	5.2891
90.0	17.6709	34.7488	5.3425
100.0	17.3896	34.7723	4.9778
120.0	16.8821	34.7610	5.0950
140.0	16.7342	34.7616	5.1358
160.0	16.6022	34.7606	5.2249
180.0	16.4563	34.7450	5.1902
200.0	16.2961	34.7294	5.1281
220.0	16.1836	34.7255	5.2377
240.0	15.8755	34.6879	5.1928
260.0	15.5329	34.6522	5.1544
280.0	15.2517	34.6240	5.1696
300.0	14.9173	34.5983	5.0540
350.0	13.9424	34.5251	4.9391
400.0	13.0204	34.4551	4.7234
450.0	11.8442	34.3713	4.6301
500.0	10.6187	34.2741	4.5092
550.0	9.2906	34.1859	4.2823
600.0	7.8360	34.0827	3.9166
650.0	6.6954	34.0109	3.4894
700.0	5.9557	34.0012	3.1098
750.0	5.2847	34.0154	2.6976
800.0	4.8916	34.0612	2.2070
850.0	4.5485	34.1170	1.7401
900.0	4.2940	34.1698	1.4292
950.0	4.0484	34.2096	1.1929
1000.0	3.8454	34.2444	0.9636
1200.0	3.2420	34.3643	0.7713
1400.0	2.7560	34.4499	0.8253
1600.0	2.4616	34.5106	1.0022
1800.0	2.2450	34.5612	1.3894
2000.0	2.0462	34.5887	1.7494
2200.0	1.8751	34.6133	2.0298
2400.0	1.7941	34.6295	2.3347
2600.0	1.7102	34.6417	2.5585
2800.0	1.6459	34.6517	2.7289
3000.0	1.5935	34.6582	2.8627
3500.0	1.5200	34.6723	3.1904
4000.0	1.4972	34.6794	3.4266
4500.0	1.4933	34.6848	3.5913
5000.0	1.4987	34.6904	3.7991
5500.0	1.5202	34.6941	3.9567
6000.0	1.5690	34.6961	4.0323
6003.0	1.5693	34.6967	4.0271

KH9105 C12		September 21, 1991 30°59.32'N, 165°01.32'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	27.5140	34.5675	4.7183
20.0	27.3351	34.6222	4.8557
30.0	27.2009	34.6242	4.8429
40.0	24.8863	34.7818	5.2482
50.0	22.5033	34.8186	5.6247
60.0	20.7638	34.7727	5.7459
70.0	19.5103	34.7606	5.8568
80.0	18.0729	34.7156	5.9254
90.0	17.3161	34.7048	5.8982
100.0	16.8072	34.6964	5.8315
120.0	16.0878	34.6929	5.3183
140.0	15.7881	34.6713	5.0315
160.0	15.5202	34.6487	4.9475
180.0	15.2355	34.6245	4.9224
200.0	14.9823	34.6019	4.7910
220.0	14.6958	34.5781	4.7992
240.0	14.3532	34.5552	4.7962
260.0	13.9303	34.5187	4.7740
280.0	13.5725	34.4891	4.6959
300.0	13.1488	34.4602	4.6125
350.0	12.0691	34.3934	4.5348
400.0	10.7199	34.2898	4.5415
450.0	9.5778	34.2053	4.4083
500.0	8.0827	34.0946	4.1421
550.0	6.9419	34.0352	3.8107
600.0	6.1070	34.0082	3.4587
650.0	5.4268	34.0114	3.0443
700.0	5.0028	34.0433	2.5328
750.0	4.7302	34.0942	2.0986
800.0	4.4796	34.1391	1.7087
850.0	4.1673	34.1860	1.4032
900.0	3.9498	34.2274	1.1885
950.0	3.7333	34.2719	1.0903
1000.0	3.5569	34.3017	1.0053
1200.0	3.0563	34.3974	0.7342
1400.0	2.6639	34.4742	0.7873
1600.0	2.3780	34.5293	1.0924
1800.0	2.1448	34.5702	1.4302
2000.0	1.9886	34.5951	1.7558
2200.0	1.8386	34.6190	2.0908
2400.0	1.7449	34.6344	2.3465
2600.0	1.6704	34.6463	2.5790
2800.0	1.6124	34.6554	2.7590
3000.0	1.5708	34.6617	2.9223
3500.0	1.5102	34.6736	3.2234
4000.0	1.4879	34.6808	3.4477
4500.0	1.4862	34.6870	3.6398
5000.0	1.4991	34.6908	3.8283
5500.0	1.5203	34.6949	4.0019
6000.0	1.5689	34.6966	4.0544
6058.0	1.5758	34.6967	4.0481

KH9105 September 22, 1991  
**C13** 29°59.72'N, 164°59.91'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.5106	34.6011	4.8642
20.0	23.9988	34.5688	5.2287
30.0	22.8218	34.6367	5.2793
40.0	20.8712	34.5824	5.4374
50.0	19.8885	34.7483	5.5196
60.0	18.9583	34.7908	5.5770
70.0	18.3376	34.8076	5.5035
80.0	17.9450	34.7961	5.3760
90.0	17.6833	34.7934	5.3523
100.0	17.4586	34.7906	5.1912
120.0	17.1431	34.7763	4.8926
140.0	16.9823	34.7748	4.9617
160.0	16.7985	34.7661	5.0215
180.0	16.6878	34.7681	4.9710
200.0	16.6064	34.7647	5.0119
220.0	16.5157	34.7564	4.9130
240.0	16.2965	34.7312	4.7758
260.0	16.1477	34.7194	4.6509
280.0	15.8493	34.6866	4.5481
300.0	15.3049	34.6413	4.4775
350.0	14.1264	34.5520	4.4572
400.0	12.7011	34.4390	4.5380
450.0	11.4105	34.3446	4.5697
500.0	9.9242	34.2360	4.5030
550.0	8.4917	34.1222	4.3177
600.0	7.1912	34.0438	3.9996
650.0	6.1689	33.9995	3.5599
700.0	5.4721	34.0060	3.0177
750.0	4.9419	34.0566	2.4149
800.0	4.6087	34.1109	1.9110
850.0	4.3746	34.1535	1.5819
900.0	4.1201	34.1991	1.3413
950.0	3.9378	34.2319	1.1230
1000.0	3.7379	34.2671	0.9757
1200.0	3.0908	34.3902	0.7452
1400.0	2.6479	34.4715	0.8357
1600.0	2.3685	34.5282	1.1288
1800.0	2.1342	34.5708	1.4994
2000.0	1.9616	34.6024	1.9565
2200.0	1.8287	34.6240	2.2867
2400.0	1.7323	34.6394	2.5857
2600.0	1.6602	34.6493	2.7748
2800.0	1.6063	34.6588	2.9658
3000.0	1.5771	34.6639	3.0611
3500.0	1.5133	34.6751	3.3113
4000.0	1.4875	34.6820	3.5015
4500.0	1.4768	34.6876	3.6796
5000.0	1.5040	34.6914	3.8185
5500.0	1.5277	34.6953	3.9663
5858.0	1.5558	34.6964	3.9494

KH9105 September 22, 1991  
**C14** 29°00.06'N, 163°59.50'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.1783	34.8061	4.9465
20.0	27.0597	34.8343	4.9921
30.0	26.8239	34.8471	4.9813
40.0	22.6137	34.9000	5.5384
50.0	20.5777	34.8449	5.6849
60.0	19.1506	34.7969	5.7908
70.0	18.3385	34.7981	5.7138
80.0	17.9133	34.7798	5.6661
90.0	17.3743	34.7494	5.4769
100.0	17.0619	34.7512	5.3039
120.0	16.7019	34.7284	5.1942
140.0	16.5214	34.7265	5.1046
160.0	16.3774	34.7215	5.1580
180.0	16.2575	34.7158	5.1455
200.0	16.1613	34.7196	5.1013
220.0	16.0230	34.7069	5.1496
240.0	15.8183	34.6834	5.0894
260.0	15.5160	34.6511	5.0103
280.0	15.2594	34.6278	4.9687
300.0	14.9741	34.6041	4.9103
350.0	14.1040	34.5357	4.8212
400.0	12.9575	34.4470	4.6269
450.0	11.6590	34.3579	4.4878
500.0	10.1929	34.2414	4.4676
550.0	8.8949	34.1476	4.3448
600.0	7.6808	34.0650	3.9548
650.0	6.6647	34.0171	3.4204
700.0	5.7793	34.0071	2.9464
750.0	5.1988	34.0445	2.4344
800.0	4.8789	34.0833	2.0122
850.0	4.4861	34.1412	1.5959
900.0	4.2792	34.1768	1.3391
950.0	4.0611	34.2336	1.1000
1000.0	3.8596	34.2698	0.9204
1200.0	3.1254	34.3873	0.7349
1400.0	2.6957	34.4707	0.8128
1600.0	2.3498	34.5315	1.1395
1800.0	2.1069	34.5789	1.5985
2000.0	1.9421	34.6022	1.8895
2200.0	1.8092	34.6231	2.1678
2400.0	1.7175	34.6389	2.4484
2600.0	1.6534	34.6502	2.6718
2800.0	1.6054	34.6569	2.8239
3000.0	1.5776	34.6630	2.9969
3500.0	1.5208	34.6741	3.2703
4000.0	1.4917	34.6811	3.4793
4500.0	1.4882	34.6866	3.6477
5000.0	1.4983	34.6917	3.8064
5500.0	1.5332	34.6949	3.9344
5906.0	1.5660	34.6956	3.9877

KH9105 C15		September 23, 1991 28°59.66'N, 165°01.27'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.5896	35.0967	4.7343
20.0	27.3175	35.0867	4.6481
30.0	27.2086	35.0770	4.8258
40.0	26.6611	35.1034	4.7095
50.0	24.3654	35.2526	5.2677
60.0	22.7882	35.2228	5.2973
70.0	22.0881	35.2228	5.1829
80.0	21.4173	35.1804	5.0943
90.0	20.7376	35.1269	5.0465
100.0	19.8304	35.0464	5.0045
120.0	18.9027	34.9582	4.9319
140.0	18.0312	34.8520	5.0689
160.0	17.3902	34.8096	4.7082
180.0	17.0570	34.7776	4.6807
200.0	16.7108	34.7491	4.7247
220.0	16.3936	34.7236	4.7124
240.0	16.0658	34.6971	4.6768
260.0	15.6867	34.6662	4.5797
280.0	15.2639	34.6256	4.6024
300.0	14.9398	34.5993	4.5664
350.0	13.7516	34.5024	4.5808
400.0	12.6990	34.4180	4.6303
450.0	11.4939	34.3263	4.6472
500.0	10.4037	34.2426	4.5799
550.0	9.1104	34.1608	4.3814
600.0	8.0530	34.0888	4.0273
650.0	6.7651	34.0214	3.5786
700.0	5.9221	34.0079	3.1159
750.0	5.3616	34.0346	2.5796
800.0	4.8701	34.0842	2.0726
850.0	4.4964	34.1376	1.6407
900.0	4.2406	34.1814	1.3834
950.0	3.9864	34.2259	1.1502
1000.0	3.7877	34.2648	1.0070
1200.0	3.1234	34.3893	0.7504
1400.0	2.6582	34.4762	0.8355
1600.0	2.3241	34.5366	1.1371
1800.0	2.1006	34.5791	1.5245
2000.0	1.9224	34.6069	1.9116
2200.0	1.8052	34.6284	2.3049
2400.0	1.7177	34.6425	2.5635
2600.0	1.6657	34.6526	2.7612
2800.0	1.6030	34.6609	2.9505
3000.0	1.5728	34.6661	3.0677
3500.0	1.5068	34.6771	3.3003
4000.0	1.4776	34.6837	3.5032
4500.0	1.4769	34.6892	3.6727
5000.0	1.4932	34.6935	3.8474
5500.0	1.5319	34.6963	3.9736
5803.0	1.5567	34.6969	3.9618

KH9105 C16		September 23, 1991 29°00.27'N, 165°59.80'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.0254	35.0063	4.6294
20.0	27.5422	34.9681	4.7006
30.0	26.6026	35.0498	4.7517
40.0	25.2547	35.2374	4.9745
50.0	24.6795	35.2257	5.1124
60.0	22.7412	35.1757	5.0715
70.0	21.6609	35.1396	5.0837
80.0	20.6644	35.1325	4.8965
90.0	20.2437	35.1088	4.7798
100.0	19.7865	35.0678	4.6846
120.0	18.8883	34.9743	4.5673
140.0	18.3390	34.9066	4.6125
160.0	17.8131	34.8471	4.7121
180.0	17.1232	34.7856	4.6347
200.0	16.6738	34.7363	4.8140
220.0	16.5209	34.7285	4.8271
240.0	16.3113	34.7246	4.7959
260.0	15.9933	34.7015	4.8058
280.0	15.7029	34.6682	4.5950
300.0	15.1258	34.6206	4.5753
350.0	13.8848	34.5164	4.4997
400.0	13.0695	34.4528	4.4648
450.0	11.6012	34.3291	4.4363
500.0	10.5299	34.2465	4.4281
550.0	9.3441	34.1689	4.3523
600.0	8.1096	34.0968	4.1000
650.0	7.1993	34.0471	3.6034
700.0	6.1873	34.0331	2.9581
750.0	5.5502	34.0497	2.5050
800.0	5.0305	34.0835	2.0657
850.0	4.6611	34.1071	1.8275
900.0	4.3666	34.1595	1.5267
950.0	4.0558	34.2106	1.2455
1000.0	3.8740	34.2424	1.0617
1200.0	3.1711	34.3821	0.7180
1400.0	2.6883	34.4684	0.7557
1600.0	2.3221	34.5334	1.0542
1800.0	2.0990	34.5775	1.4810
2000.0	1.9315	34.6057	1.8518
2200.0	1.7972	34.6283	2.2429
2400.0	1.7014	34.6438	2.5214
2600.0	1.6456	34.6547	2.7848
2800.0	1.6030	34.6607	2.9516
3000.0	1.5626	34.6678	3.0540
3500.0	1.5059	34.6775	3.3011
4000.0	1.4785	34.6845	3.4655
4500.0	1.4717	34.6893	3.6686
5000.0	1.4872	34.6937	3.8404
5381.0	1.5116	34.6965	3.8708



KH9105 September 23, 1991  
**C17** 28°00.20'N, 164°59.65'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.7468	34.9901	4.7257
20.0	27.4572	34.9694	4.6356
30.0	27.0297	34.9691	4.7454
40.0	24.3467	35.0750	5.2912
50.0	22.2541	35.0386	5.5064
60.0	21.0706	35.0096	5.3886
70.0	20.3900	35.0244	5.2078
80.0	19.9690	35.0137	4.9913
90.0	19.3135	34.9830	4.8306
100.0	18.7268	34.9351	4.7445
120.0	17.9249	34.8578	4.6882
140.0	17.3849	34.8131	4.3900
160.0	16.9308	34.7682	4.4304
180.0	16.6004	34.7365	4.5794
200.0	16.4082	34.7325	4.8052
220.0	16.2909	34.7298	4.9207
240.0	15.9721	34.6998	4.8574
260.0	15.5906	34.6613	4.7863
280.0	15.2533	34.6281	4.8294
300.0	14.7266	34.5825	4.8652
350.0	13.6117	34.4938	4.6597
400.0	12.3792	34.4031	4.5698
450.0	11.2331	34.3070	4.4632
500.0	9.9615	34.2109	4.2588
550.0	8.7397	34.1309	4.0580
600.0	7.6478	34.0790	3.8801
650.0	6.4967	34.0304	3.4967
700.0	5.7454	34.0295	2.6245
750.0	5.1992	34.0466	2.0964
800.0	4.8302	34.1001	1.6315
850.0	4.5123	34.1734	1.1245
900.0	4.2494	34.2152	0.9271
950.0	4.0017	34.2621	0.7914
1000.0	3.8333	34.3003	0.7229
1200.0	3.2259	34.4164	0.7942
1400.0	2.7513	34.4885	1.0142
1600.0	2.3386	34.5374	1.1832
1800.0	2.1081	34.5800	1.5993
2000.0	1.9283	34.6056	1.8646
2200.0	1.8160	34.6254	2.1632
2400.0	1.7198	34.6415	2.4471
2600.0	1.6543	34.6531	2.6565
2800.0	1.6093	34.6622	2.8685
3000.0	1.5786	34.6669	2.9977
3500.0	1.5175	34.6777	3.2725
4000.0	1.4888	34.6845	3.4947
4500.0	1.4700	34.6905	3.7052
5000.0	1.4669	34.6959	3.8823
5500.0	1.4837	34.6999	4.0221
5634.0	1.4968	34.7006	4.0575

KH9105 September 25, 1991  
**C17S** 28°01.17'N, 164°59.45'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.7528	34.9627	4.6390
20.0	27.3643	34.9255	4.6832
30.0	24.6188	35.1537	5.2080
40.0	23.3882	35.1304	5.3574
50.0	22.3345	35.1027	5.3649
60.0	21.1623	35.0351	5.3208
70.0	20.4686	35.0367	5.1375
80.0	19.6550	34.9897	4.9636
90.0	19.0924	34.9623	4.9494
100.0	18.6349	34.9290	4.8915
120.0	17.7410	34.8377	4.8489
140.0	17.2156	34.7915	4.7899
160.0	16.9326	34.7585	4.9064
180.0	16.6508	34.7380	4.9275
200.0	16.4188	34.7256	4.8638
220.0	16.1941	34.7110	4.7970
240.0	15.9504	34.6949	4.7678
260.0	15.5603	34.6548	4.7613
280.0	15.0347	34.6074	4.7625
300.0	14.6729	34.5789	4.7562
350.0	13.5636	34.4913	4.6688
400.0	12.2149	34.3817	4.4806
450.0	10.6921	34.2625	4.4384
500.0	9.5955	34.1831	4.1663
550.0	8.3715	34.1094	3.8882
600.0	7.6064	34.0766	3.4517
650.0	6.5921	34.0344	3.1730
700.0	5.6762	34.0285	2.7954
750.0	5.1094	34.0460	2.3616
800.0	4.7930	34.1079	1.7873
850.0	4.5819	34.1678	1.3233
900.0	4.2370	34.2176	1.0430
950.0	4.0156	34.2592	0.8495
1000.0	3.8191	34.3035	0.7372
1200.0	3.1682	34.4265	0.7111
1400.0	2.7135	34.4931	0.9165
1600.0	2.3558	34.5378	1.1009
1800.0	2.0971	34.5809	1.5468
2000.0	1.9344	34.6065	1.8849
2200.0	1.8112	34.5665	2.2408
2400.0	1.7277	34.5869	2.5247
2600.0	1.6646	34.6019	2.7637
2800.0	1.6173	34.6117	2.9535
3000.0	1.5818	34.6254	3.0666
3500.0	1.5235	34.6444	3.2345
4000.0	1.4868	34.6824	3.4147
4500.0	1.4718	34.6889	3.6815
5000.0	1.4718	34.6939	3.9116
5500.0	1.4857	34.6986	4.0921
5704.0	1.5038	34.6992	4.0197

KH9105 C18		September 24, 1991 27°00.87'N, 164°58.61'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	27.7933	34.9960	4.5634
20.0	27.6425	34.9680	4.5761
30.0	27.4927	34.9602	4.6147
40.0	23.6109	35.1310	5.3511
50.0	22.1551	35.0959	5.3081
60.0	21.3285	35.1335	5.1822
70.0	20.3092	35.0465	5.2079
80.0	19.8482	34.9987	5.1295
90.0	18.9790	34.9306	5.0489
100.0	18.5511	34.9095	4.9202
120.0	17.8603	34.8572	4.7578
140.0	17.1643	34.7931	4.5913
160.0	16.6715	34.7429	4.6676
180.0	16.2918	34.7118	4.6950
200.0	16.1169	34.7095	4.9430
220.0	15.8925	34.6863	4.8272
240.0	15.6914	34.6666	4.7501
260.0	15.3484	34.6302	4.6457
280.0	14.7711	34.5825	4.4155
300.0	14.3416	34.5458	4.5026
350.0	13.1902	34.4592	4.5983
400.0	12.0983	34.3673	4.5527
450.0	10.7882	34.2913	4.5239
500.0	9.2887	34.1797	4.3866
550.0	7.8667	34.0783	4.0455
600.0	6.6997	34.0286	3.4628
650.0	5.8670	34.0331	2.8085
700.0	5.4302	34.0684	2.2999
750.0	5.0115	34.1100	1.8581
800.0	4.5418	34.1508	1.5121
850.0	4.2065	34.1961	1.2673
900.0	3.9599	34.2422	1.0444
950.0	3.7324	34.2862	0.9044
1000.0	3.5275	34.3216	0.8155
1200.0	2.9851	34.4318	0.7520
1400.0	2.6234	34.5136	1.1030
1600.0	2.3144	34.5622	1.4540
1800.0	2.0753	34.5949	1.8066
2000.0	1.9111	34.6186	2.1018
2200.0	1.7874	34.6363	2.3846
2400.0	1.7153	34.6467	2.5914
2600.0	1.6469	34.6567	2.7662
2800.0	1.6046	34.6630	2.8882
3000.0	1.5773	34.6688	3.0072
3500.0	1.5130	34.6781	3.2598
4000.0	1.4825	34.6854	3.4679
4500.0	1.4673	34.6914	3.6853
5000.0	1.4732	34.6962	3.8585
5500.0	1.4887	34.7002	4.0260
5799.0	1.5145	34.7011	4.0613

KH9105 C18S		September 25, 1991 27°00.28'N, 164°59.59'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.0236	35.0437	4.5260
20.0	27.8658	35.0360	4.6471
30.0	27.4583	35.0055	4.6110
40.0	23.6332	35.1954	5.3981
50.0	22.5728	35.1491	5.3240
60.0	21.7515	35.1546	5.3059
70.0	20.7612	35.1130	5.1170
80.0	19.8593	35.0417	4.7699
90.0	18.9706	34.9480	4.7948
100.0	18.5538	34.9231	4.6605
120.0	17.8833	34.8552	4.7656
140.0	17.3926	34.8124	4.6379
160.0	17.0035	34.7744	4.6622
180.0	16.6902	34.7487	4.6864
200.0	16.3697	34.7184	4.7689
220.0	16.0672	34.6950	4.7241
240.0	15.7882	34.6733	4.7693
260.0	15.4377	34.6400	4.7101
280.0	15.0344	34.6041	4.6947
300.0	14.5936	34.5698	4.7417
350.0	13.5727	34.4788	4.6610
400.0	12.2658	34.3863	4.4767
450.0	11.1914	34.3145	4.3286
500.0	9.9540	34.2268	4.2749
550.0	8.4996	34.1184	4.0487
600.0	7.1439	34.0403	3.5261
650.0	6.1093	34.0319	2.8867
700.0	5.6557	34.0485	2.3786
750.0	5.0338	34.1055	1.8091
800.0	4.5900	34.1524	1.4378
850.0	4.1586	34.2026	1.1726
900.0	3.9050	34.2494	0.9613
950.0	3.7020	34.2898	0.8295
1000.0	3.5034	34.3256	0.7659
1200.0	2.9488	34.4374	0.7742
1400.0	2.6347	34.5156	1.1487
1600.0	2.3171	34.5606	1.4846
1800.0	2.0980	34.5906	1.7800
2000.0	1.9179	34.6155	2.1058
2200.0	1.8020	34.6329	2.3630
2400.0	1.7220	34.6441	2.5514
2600.0	1.6572	34.6544	2.7684
2800.0	1.6131	34.6610	2.8974
3000.0	1.5691	34.6670	2.9922
3500.0	1.5144	34.6760	3.2727
4000.0	1.4832	34.6831	3.4831
4500.0	1.4693	34.6893	3.6878
5000.0	1.4743	34.6941	3.8494
5500.0	1.4873	34.6982	4.0296
5805.0	1.5149	34.6988	4.0678

KH9105 C19		September 26, 1991 26°00.54'N, 165°00.32'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.1011	34.9003	4.6643
20.0	28.0159	34.9076	4.7016
30.0	27.5347	35.0083	4.8029
40.0	24.5399	35.1480	5.3110
50.0	22.2417	35.0412	5.3705
60.0	21.2007	35.0075	5.2982
70.0	20.4424	34.9979	5.1931
80.0	19.9062	34.9727	5.1257
90.0	19.0896	34.9080	5.1507
100.0	18.4467	34.8706	5.1540
120.0	17.8599	34.8551	4.9268
140.0	17.3744	34.8043	4.9343
160.0	16.9610	34.7589	4.9196
180.0	16.6891	34.7421	4.9822
200.0	16.5527	34.7445	5.0590
220.0	16.3929	34.7337	4.9897
240.0	16.2444	34.7283	5.1146
260.0	16.1138	34.7215	5.1214
280.0	15.8074	34.6837	4.9928
300.0	15.4909	34.6492	4.8657
350.0	14.3047	34.5542	4.4903
400.0	12.9359	34.4434	4.4529
450.0	11.6376	34.3446	4.4409
500.0	10.2583	34.2510	4.4372
550.0	8.5432	34.1218	4.2989
600.0	7.2907	34.0537	3.8812
650.0	6.4423	34.0330	3.2711
700.0	5.7552	34.0527	2.6190
750.0	5.1839	34.0895	2.0394
800.0	4.7615	34.1077	1.8181
850.0	4.4248	34.1686	1.3838
900.0	4.1297	34.2415	1.0776
950.0	3.9083	34.2807	0.8930
1000.0	3.6766	34.3138	0.8160
1200.0	3.1369	34.4416	0.8395
1400.0	2.6656	34.5136	1.1493
1600.0	2.3390	34.5586	1.5329
1800.0	2.1254	34.5923	1.9054
2000.0	1.9755	34.6121	2.1670
2200.0	1.8469	34.6309	2.4366
2400.0	1.7561	34.6434	2.6115
2600.0	1.6872	34.6528	2.7770
2800.0	1.6318	34.6595	2.9096
3000.0	1.5935	34.6651	3.0200
3500.0	1.5197	34.6750	3.2764
4000.0	1.4893	34.6822	3.4749
4500.0	1.4663	34.6889	3.7013
5000.0	1.4706	34.6942	3.8901
5500.0	1.4833	34.6983	4.0398
5696.0	1.5013	34.6991	4.0555

KH9105 C20		September 26, 1991 24°59.99'N, 163°59.41'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	27.9932	35.0041	4.6744
20.0	27.4707	34.9881	4.6049
30.0	25.3955	35.1931	5.0247
40.0	23.3500	35.2494	5.2776
50.0	23.1182	35.2489	5.2217
60.0	22.3933	35.2562	5.2425
70.0	21.7079	35.2366	5.1663
80.0	21.2159	35.2140	5.1448
90.0	20.6798	35.1689	5.0912
100.0	20.3004	35.1404	5.0269
120.0	19.4441	35.0472	4.8614
140.0	18.7254	34.9433	4.8991
160.0	18.1068	34.8909	4.9737
180.0	17.6738	34.8483	4.9932
200.0	17.2678	34.8033	5.0041
220.0	16.9637	34.7672	5.0273
240.0	16.6517	34.7376	5.0507
260.0	16.4156	34.7235	5.0372
280.0	16.1739	34.7086	5.0100
300.0	15.9073	34.6860	4.9311
350.0	14.8328	34.5898	4.5737
400.0	13.2619	34.4603	4.5946
450.0	11.7583	34.3468	4.6538
500.0	10.3174	34.2402	4.5174
550.0	9.1050	34.1500	4.1676
600.0	8.0637	34.0886	3.5882
650.0	6.7569	34.0402	2.9113
700.0	6.0776	34.0855	2.3114
750.0	5.7027	34.1303	1.8406
800.0	5.1931	34.1677	1.4630
850.0	4.7355	34.2099	1.1837
900.0	4.3644	34.2684	1.0073
950.0	4.0851	34.3113	0.9343
1000.0	3.9770	34.3375	0.9256
1200.0	3.3219	34.4494	1.1261
1400.0	2.8454	34.5126	1.4828
1600.0	2.4823	34.5514	1.6914
1800.0	2.2008	34.5856	1.9610
2000.0	2.0086	34.6118	2.2714
2200.0	1.8648	34.6313	2.5248
2400.0	1.7750	34.6438	2.6256
2600.0	1.7017	34.6531	2.7524
2800.0	1.6469	34.6593	2.8677
3000.0	1.6157	34.6640	2.9697
3500.0	1.5415	34.6733	3.1769
4000.0	1.5018	34.6815	3.3922
4500.0	1.4721	34.6882	3.6739
5000.0	1.4675	34.6937	3.8964
5500.0	1.4832	34.6975	4.0656
5682.0	1.5013	34.6981	4.0524

KH9105 C21		September 26, 1991 24°59.71'N, 164°59.69'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.0556	34.8399	4.5108
20.0	27.9564	34.8509	4.5780
30.0	27.5306	34.9030	4.6391
40.0	25.0120	35.1172	4.9808
50.0	23.0923	35.1756	5.3014
60.0	22.5259	35.1773	5.1658
70.0	21.9371	35.1711	5.1286
80.0	21.1141	35.1379	5.0119
90.0	20.6199	35.1017	4.9368
100.0	20.1602	35.0770	4.8829
120.0	19.2884	34.9888	4.9116
140.0	18.3837	34.8873	4.9033
160.0	17.8272	34.8324	4.9687
180.0	17.3877	34.8108	4.9791
200.0	17.0860	34.7770	4.9571
220.0	16.8100	34.7532	4.9694
240.0	16.5572	34.7354	4.9993
260.0	16.3505	34.7301	4.9505
280.0	16.0798	34.6989	4.7082
300.0	15.6292	34.6582	4.5602
350.0	14.4810	34.5667	4.5487
400.0	12.9990	34.4493	4.5299
450.0	11.2772	34.2937	4.5016
500.0	9.9620	34.2098	4.3719
550.0	8.5953	34.1216	4.0836
600.0	7.2916	34.0519	3.6105
650.0	6.2692	34.0319	3.0632
700.0	5.7407	34.0454	2.5910
750.0	5.2331	34.0781	2.1062
800.0	4.9060	34.1230	1.7557
850.0	4.4547	34.1791	1.3415
900.0	4.1291	34.2394	1.0498
950.0	3.9623	34.2861	0.9045
1000.0	3.7928	34.3287	0.8517
1200.0	3.1372	34.4597	1.0501
1400.0	2.7415	34.5170	1.2973
1600.0	2.4518	34.5647	1.7860
1800.0	2.1833	34.5944	2.0690
2000.0	2.0282	34.6129	2.2662
2200.0	1.8781	34.6301	2.4567
2400.0	1.7842	34.6417	2.6285
2600.0	1.7065	34.6528	2.7916
2800.0	1.6497	34.6592	2.8982
3000.0	1.6086	34.6650	3.0160
3500.0	1.5401	34.6744	3.2189
4000.0	1.4989	34.6816	3.4518
4500.0	1.4720	34.6889	3.6725
5000.0	1.4651	34.6938	3.8791
5500.0	1.4839	34.6980	4.0354
5919.0	1.5244	34.6990	4.0938

KH9105 C22		September 27, 1991 25°00.68'N, 165°59.74'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.3576	35.0289	4.6309
20.0	28.3075	35.0513	4.6707
30.0	28.3113	35.0913	4.7278
40.0	27.9580	35.0885	4.6699
50.0	26.8935	35.1949	4.8845
60.0	25.0672	35.2613	5.1887
70.0	23.5366	35.2549	5.0816
80.0	22.4801	35.2259	5.1111
90.0	21.8714	35.2079	4.8680
100.0	20.6870	35.1367	4.8966
120.0	19.7335	35.0383	4.8125
140.0	18.4078	34.8958	4.7025
160.0	17.5666	34.8228	4.7814
180.0	17.1501	34.7822	4.8175
200.0	16.7583	34.7414	4.8151
220.0	16.4800	34.7273	4.8387
240.0	16.1533	34.7053	4.8105
260.0	15.7563	34.6692	4.6715
280.0	15.3480	34.6293	4.7536
300.0	14.9399	34.5940	4.7232
350.0	13.7734	34.5038	4.6629
400.0	12.3642	34.3962	4.5824
450.0	10.8628	34.2666	4.3869
500.0	9.5183	34.1693	4.0503
550.0	8.3837	34.1142	3.5574
600.0	7.2954	34.0722	2.9269
650.0	6.3303	34.0353	2.2751
700.0	5.7268	34.0678	1.7456
750.0	5.3163	34.1572	1.4388
800.0	4.8664	34.1935	1.2642
850.0	4.5868	34.2438	1.0787
900.0	4.3672	34.3079	0.9498
950.0	4.1940	34.3611	0.9310
1000.0	3.9814	34.3990	0.9797
1200.0	3.2887	34.4803	1.2119
1400.0	2.7913	34.5382	1.5703
1600.0	2.4480	34.5725	1.8370
1800.0	2.2278	34.5946	2.0429
2000.0	2.0400	34.6159	2.2551
2200.0	1.8918	34.6349	2.4846
2400.0	1.8057	34.6435	2.6083
2600.0	1.7393	34.6523	2.7505
2800.0	1.6766	34.6598	2.8795
3000.0	1.6269	34.6658	2.9999
3500.0	1.5520	34.6754	3.1908
4000.0	1.5129	34.6823	3.4000
4500.0	1.4828	34.6888	3.6438
5000.0	1.4703	34.6949	3.8537
5500.0	1.4844	34.6985	4.0267
5962.0	1.5307	34.7001	4.0467

KH9105 September 27, 1991  
**C23** 23°59.41'N, 165°00.36'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.7916	35.0890	4.5810
20.0	28.4906	35.1060	4.7797
30.0	28.4276	35.1066	4.7835
40.0	28.3802	35.1209	4.4349
50.0	27.4031	35.1423	4.5495
60.0	25.4808	35.1613	4.6865
70.0	24.9159	35.1834	4.5510
80.0	24.1294	35.2270	4.5582
90.0	23.5999	35.2541	4.5625
100.0	23.0081	35.2624	4.5885
120.0	21.9909	35.2336	4.4645
140.0	20.8051	35.1427	4.3654
160.0	19.8282	35.0801	4.4818
180.0	19.0537	34.9970	4.5589
200.0	18.1121	34.8890	4.4819
220.0	17.6142	34.8401	4.7231
240.0	17.0001	34.7859	4.5972
260.0	16.5159	34.7372	4.6697
280.0	15.9758	34.6920	4.6427
300.0	15.5498	34.6512	4.6598
350.0	13.7647	34.4954	4.6802
400.0	12.1235	34.3580	4.5552
450.0	11.0542	34.2731	4.4243
500.0	9.6427	34.1898	4.2520
550.0	8.4714	34.1150	3.9536
600.0	7.5188	34.0645	3.4724
650.0	6.5040	34.0431	2.8851
700.0	5.7577	34.0548	2.3071
750.0	5.2245	34.0943	1.8402
800.0	4.7634	34.1482	1.4950
850.0	4.4547	34.2069	1.1908
900.0	4.1257	34.2612	0.9992
950.0	3.9334	34.3066	0.9059
1000.0	3.7902	34.3445	0.8936
1200.0	3.3668	34.4729	1.2308
1400.0	2.8736	34.5312	1.6238
1600.0	2.4928	34.5670	1.8922
1800.0	2.2124	34.5949	2.1149
2000.0	2.0359	34.6130	2.3057
2200.0	1.8888	34.6301	2.3880
2400.0	1.8039	34.6417	2.5537
2600.0	1.7132	34.6518	2.7119
2800.0	1.6611	34.6588	2.8415
3000.0	1.6221	34.6634	2.9429
3500.0	1.5463	34.6740	3.2835
4000.0	1.5063	34.6811	3.4692
4500.0	1.4804	34.6880	3.7024
5000.0	1.4754	34.6928	3.8619
5500.0	1.4891	34.6974	3.9891
6000.0	1.5369	34.6993	4.0960
6053.0	1.5438	34.6983	99.9999

KH9105 September 27, 1991  
**C24** 22°59.94'N, 164°59.80'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.7804	34.7975	4.5928
20.0	28.7832	34.8068	4.5510
30.0	28.7790	34.8145	4.6159
40.0	28.7467	34.8176	4.6753
50.0	28.7164	34.8255	4.5972
60.0	28.1475	35.0200	4.8573
70.0	27.2620	35.0964	4.9884
80.0	26.4294	35.1590	5.0097
90.0	25.5666	35.2082	4.9826
100.0	24.7053	35.2321	4.9634
120.0	23.7149	35.2817	4.8775
140.0	22.7177	35.2891	4.7773
160.0	21.5923	35.2408	4.7829
180.0	20.7723	35.1714	4.6543
200.0	20.0504	35.1103	4.5955
220.0	19.1532	35.0109	4.5548
240.0	18.0926	34.8841	4.5071
260.0	17.4938	34.8308	4.5985
280.0	16.8087	34.7555	4.6869
300.0	16.2346	34.7103	4.5864
350.0	14.2316	34.5376	4.4280
400.0	12.5090	34.3854	4.3863
450.0	11.1116	34.2770	4.0906
500.0	9.7488	34.1907	3.8516
550.0	8.3012	34.1112	3.4935
600.0	7.4049	34.0918	2.9129
650.0	6.4106	34.1086	2.2823
700.0	5.8599	34.1120	1.8363
750.0	5.2603	34.1527	1.4440
800.0	4.8748	34.2070	1.1897
850.0	4.5483	34.2471	1.0212
900.0	4.2366	34.2798	0.9363
950.0	4.0471	34.3281	0.9120
1000.0	3.9633	34.3825	0.9769
1200.0	3.4640	34.4800	1.3305
1400.0	2.9496	34.5290	1.6195
1600.0	2.6150	34.5612	1.8635
1800.0	2.2444	34.5936	2.1047
2000.0	2.0334	34.6158	2.2950
2200.0	1.9074	34.6324	2.4450
2400.0	1.8078	34.6445	2.5783
2600.0	1.7351	34.6518	2.6863
2800.0	1.6873	34.6578	2.7822
3000.0	1.6352	34.6632	2.9096
3500.0	1.5583	34.6737	3.1707
4000.0	1.5058	34.6813	3.4437
4500.0	1.4755	34.6866	3.6807
5000.0	1.4666	34.6945	3.9271
5500.0	1.4845	34.6976	4.0001
5812.0	1.5159	34.6989	4.0713

KH9105  
C25

September 28, 1991  
21°59.57'N, 165°00.17'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.8974	34.9079	4.5017
20.0	28.8665	34.9115	4.6304
30.0	28.7524	34.9136	4.7043
40.0	28.4886	34.9354	4.6439
50.0	27.1652	35.1171	5.0104
60.0	26.4584	35.2690	5.0804
70.0	25.7047	35.2673	5.0675
80.0	24.9147	35.2788	5.0510
90.0	24.4204	35.2913	4.9853
100.0	23.7100	35.3063	4.8737
120.0	22.9302	35.3060	4.7756
140.0	22.1376	35.2922	4.6102
160.0	21.5050	35.2456	4.4444
180.0	20.9101	35.2152	4.4983
200.0	20.0781	35.1492	4.6045
220.0	19.3872	35.0656	4.5206
240.0	18.3941	34.9352	4.6165
260.0	17.7974	34.8702	4.6511
280.0	17.2998	34.8139	4.6374
300.0	16.7439	34.7566	4.6254
350.0	15.4026	34.6329	4.5601
400.0	13.2860	34.4539	4.5323
450.0	11.3555	34.2887	4.4728
500.0	9.8388	34.1787	4.2075
550.0	8.6213	34.1195	3.7567
600.0	7.7428	34.0946	2.9131
650.0	6.8455	34.0871	2.2563
700.0	6.1437	34.1437	1.8337
750.0	5.6438	34.2062	1.2620
800.0	5.2664	34.2578	1.0348
850.0	4.9020	34.2975	0.9532
900.0	4.5957	34.3435	0.9386
950.0	4.4702	34.4049	1.0910
1000.0	4.1641	34.4182	1.1148
1200.0	3.5665	34.5071	1.5128
1400.0	3.0662	34.5474	1.8297
1600.0	2.6382	34.5732	1.9982
1800.0	2.3055	34.5991	2.1644
2000.0	2.0885	34.6162	2.2690
2200.0	1.9102	34.6337	2.4250
2400.0	1.7897	34.6468	2.5875
2600.0	1.7131	34.6546	2.6982
2800.0	1.6639	34.6600	2.8212
3000.0	1.6232	34.6650	2.9429
3500.0	1.5497	34.6745	3.2471
4000.0	1.4970	34.6822	3.5069
4500.0	1.4660	34.6897	3.7115
5000.0	1.4547	34.6950	3.8776
5356.0	1.4618	34.6982	4.0121

KH9105  
C26

September 28, 1991  
20°59.95'N, 165°59.37'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.4776	35.0017	4.7144
20.0	28.3651	34.9900	4.6423
30.0	28.1173	35.0470	4.6640
40.0	28.0260	35.1325	4.6703
50.0	27.6241	35.1825	4.7462
60.0	25.9728	35.2820	5.0059
70.0	24.7557	35.2743	5.2084
80.0	23.7824	35.2616	5.2062
90.0	22.7336	35.2394	5.1925
100.0	21.6191	35.1715	5.1528
120.0	20.3446	35.0942	4.9338
140.0	19.7408	35.0501	4.9023
160.0	18.6954	34.9412	4.6561
180.0	17.8400	34.8666	4.7261
200.0	17.2874	34.8079	4.6476
220.0	16.7206	34.7522	4.6389
240.0	16.2095	34.7074	4.6485
260.0	15.6515	34.6608	4.5766
280.0	15.1618	34.6187	4.5268
300.0	14.5551	34.5663	4.5086
350.0	12.6613	34.4081	4.5557
400.0	11.4435	34.3070	4.5014
450.0	10.0536	34.2085	4.2302
500.0	8.5612	34.1126	3.6274
550.0	7.3685	34.0843	2.8421
600.0	6.3706	34.0892	2.1050
650.0	5.7770	34.1292	1.6073
700.0	5.3583	34.1791	1.2920
750.0	5.1206	34.2294	1.1043
800.0	4.8287	34.2901	0.9863
850.0	4.5975	34.3374	0.9649
900.0	4.3641	34.3762	0.9739
950.0	4.2449	34.4202	1.0904
1000.0	4.0370	34.4645	1.2492
1200.0	3.3839	34.5246	1.6122
1400.0	2.9313	34.5550	1.8205
1600.0	2.5398	34.5804	2.0184
1800.0	2.2480	34.6035	2.2177
2000.0	2.0460	34.6224	2.4129
2200.0	1.8909	34.6376	2.5621
2400.0	1.7754	34.6492	2.6994
2600.0	1.7092	34.6562	2.8245
2800.0	1.6512	34.6622	2.9282
3000.0	1.6033	34.6671	3.0557
3500.0	1.5277	34.6773	3.3487
4000.0	1.4857	34.6840	3.5980
4500.0	1.4491	34.6912	3.8380
5000.0	1.4308	34.6973	4.0124
5486.0	1.4650	34.6994	4.1336

KH9105 September 28, 1991  
**C27** 20°59.82'N, 164°59.27'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.5811	34.9768	4.7256
20.0	28.5296	34.9804	4.6362
30.0	28.4988	34.9795	4.6143
40.0	27.8891	35.0590	4.7768
50.0	26.6423	35.2189	4.9659
60.0	25.6854	35.2697	5.0496
70.0	25.1235	35.2746	5.0146
80.0	24.5522	35.2822	4.9654
90.0	24.0557	35.2960	5.0186
100.0	23.5420	35.2974	4.9378
120.0	22.7696	35.2937	4.7839
140.0	22.1022	35.2780	4.6783
160.0	21.3032	35.2540	4.5237
180.0	20.4680	35.1780	4.5430
200.0	19.6370	35.0874	4.5981
220.0	18.6207	34.9543	4.6021
240.0	17.8502	34.8684	4.6399
260.0	17.0990	34.7816	4.7423
280.0	16.5905	34.7385	4.6777
300.0	15.8465	34.6755	4.5665
350.0	13.7693	34.4824	4.5069
400.0	12.1914	34.3483	4.4665
450.0	10.6922	34.2348	4.3462
500.0	9.4481	34.1611	4.0491
550.0	8.3970	34.1133	3.4791
600.0	7.3092	34.0863	2.6761
650.0	6.2726	34.1101	2.0563
700.0	5.6785	34.1646	1.4818
750.0	5.2491	34.2377	1.1097
800.0	4.9237	34.2880	0.9615
850.0	4.5901	34.3265	0.9283
900.0	4.3786	34.3719	0.9635
950.0	4.2537	34.4037	1.0315
1000.0	4.1585	34.4516	1.2388
1200.0	3.4499	34.5182	1.6144
1400.0	2.9524	34.5506	1.8522
1600.0	2.5916	34.5743	2.0031
1800.0	2.3133	34.5993	2.2346
2000.0	2.0757	34.6190	2.3743
2200.0	1.9321	34.6340	2.5232
2400.0	1.8263	34.6447	2.6241
2600.0	1.7416	34.6532	2.7321
2800.0	1.6782	34.6593	2.8701
3000.0	1.6294	34.6645	2.9582
3500.0	1.5532	34.6748	3.2400
4000.0	1.4983	34.6819	3.5160
4500.0	1.4666	34.6894	3.7421
5000.0	1.4637	34.6945	3.8968
5500.0	1.4798	34.6986	4.0933
5511.0	1.4804	34.6988	4.0572

KH9105 October 1, 1991  
**C28** 02°29.97'S, 165°00.18'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	30.1771	34.7861	4.4067
20.0	30.2567	35.0285	4.4011
30.0	30.3843	35.1874	4.5831
40.0	30.4531	35.3427	4.6060
50.0	30.3693	35.4815	4.7766
60.0	29.7687	35.4679	4.4933
70.0	29.4675	35.4768	4.4169
80.0	29.2992	35.5221	4.3369
90.0	28.9028	35.5457	4.0513
100.0	28.6980	35.5773	3.9061
120.0	27.5548	35.6049	3.6674
140.0	25.7701	35.6587	3.2858
160.0	22.0888	35.5732	2.7695
180.0	19.4837	35.4826	2.5354
200.0	16.1345	35.2671	2.4311
220.0	13.8140	35.0601	2.4589
240.0	12.0788	34.8934	2.7823
260.0	11.3575	34.8006	2.5366
280.0	11.1484	34.7909	2.4076
300.0	10.9775	34.7835	2.3164
350.0	10.4756	34.7556	2.1457
400.0	9.9532	34.7173	2.1035
450.0	9.2059	34.6719	2.8237
500.0	8.0993	34.6013	2.9890
550.0	7.3338	34.5592	2.7260
600.0	6.7123	34.5499	2.2251
650.0	6.2993	34.5474	1.7917
700.0	5.9406	34.5402	1.7784
750.0	5.5885	34.5374	1.8691
800.0	5.2198	34.5360	1.9609
850.0	5.0184	34.5373	2.0252
900.0	4.7584	34.5390	2.1109
950.0	4.6121	34.5419	2.1315
1000.0	4.4825	34.5448	2.2473
1200.0	3.8342	34.5676	2.2402
1400.0	3.3619	34.5829	2.4561
1600.0	2.8672	34.6057	2.5585
1800.0	2.5155	34.6239	2.6362
2000.0	2.2719	34.6377	2.7330
2200.0	2.0641	34.6498	2.7853
2400.0	1.9086	34.6574	2.9405
2404.0	1.9097	34.6570	2.9064

KH9105		October 1, 1991	
C29		03°29.64'S, 164°59.50'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	30.0538	34.7093	4.3584
20.0	30.3099	34.9668	4.3921
30.0	30.3522	35.0497	4.4879
40.0	30.2374	35.2674	4.6346
50.0	30.0523	35.3909	4.7627
60.0	29.8290	35.3964	4.5698
70.0	29.7895	35.4663	4.4441
80.0	29.5464	35.4786	4.2215
90.0	29.4674	35.4946	4.2446
100.0	29.0412	35.5229	4.1258
120.0	28.4765	35.6297	3.8982
140.0	26.8448	35.7373	3.5623
160.0	24.0573	35.7557	3.0834
180.0	19.6802	35.5823	2.7011
200.0	16.1654	35.2777	2.5923
220.0	14.6743	35.1465	2.3619
240.0	13.4479	35.0370	2.2714
260.0	12.3719	34.9397	2.4219
280.0	11.6762	34.8860	2.4354
300.0	10.9941	34.8211	2.4499
350.0	9.9143	34.7302	2.4997
400.0	9.3515	34.6848	2.6833
450.0	8.4941	34.6358	2.5152
500.0	7.6212	34.5909	2.3942
550.0	7.0662	34.5644	2.2482
600.0	6.7549	34.5532	2.1259
650.0	6.3030	34.5457	2.0766
700.0	6.0516	34.5344	2.1433
750.0	5.6475	34.5363	2.1216
800.0	5.3126	34.5370	1.9609
850.0	5.1408	34.5376	1.9979
900.0	4.9114	34.5382	2.1232
950.0	4.6735	34.5354	2.3662
1000.0	4.5108	34.5413	2.4207
1200.0	3.8099	34.5652	2.4128
1400.0	3.2749	34.5871	2.4921
1600.0	2.8529	34.6078	2.5682
1800.0	2.5548	34.6245	2.5981
2000.0	2.2962	34.6373	2.6893
2200.0	2.1548	34.6458	2.7551
2400.0	1.9708	34.6552	2.8647
2600.0	1.8527	34.6625	2.9654
2800.0	1.7764	34.6668	3.0191
3000.0	1.7053	34.6707	3.0918
3500.0	1.5124	34.6842	3.4547
3952.0	1.4423	34.6918	3.7519

KH9105		October 1, 1991	
C30		04°30.04'S, 164°59.50'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	29.9156	35.1912	4.3701
20.0	29.9145	35.1902	4.4727
30.0	29.9165	35.1897	4.4887
40.0	29.9217	35.1896	4.4270
50.0	30.0261	35.2815	4.4541
60.0	30.1029	35.4700	4.4342
70.0	29.9432	35.5264	4.2961
80.0	29.5799	35.4689	4.3026
90.0	29.4309	35.4575	4.2300
100.0	29.3719	35.5145	4.0805
120.0	28.8905	35.6357	3.8781
140.0	27.3559	35.7390	3.4956
160.0	26.3211	35.8982	3.2695
180.0	22.6722	35.9509	3.1004
200.0	18.1601	35.5437	2.5655
220.0	15.5292	35.2371	2.1835
240.0	13.3069	35.0182	2.0084
260.0	12.4780	34.9494	1.6982
280.0	11.2729	34.8357	1.7691
300.0	10.6530	34.7850	1.7576
350.0	9.4587	34.7004	1.7681
400.0	8.7196	34.6511	2.0012
450.0	8.2402	34.6298	1.8519
500.0	7.7191	34.5991	1.7742
550.0	7.0300	34.5498	2.3457
600.0	6.4406	34.5412	2.3428
650.0	6.0994	34.5294	2.2761
700.0	5.8575	34.5364	2.0030
750.0	5.5407	34.5324	2.0438
800.0	5.3707	34.5335	2.1130
850.0	5.1041	34.5329	2.2286
900.0	4.9441	34.5340	2.2590
950.0	4.7197	34.5413	2.3138
1000.0	4.4752	34.5308	2.6614
1200.0	3.9316	34.5588	2.5889
1400.0	3.3507	34.5797	2.6510
1600.0	2.8339	34.6053	2.6743
1800.0	2.5062	34.6242	2.7241
2000.0	2.2952	34.6373	2.7898
2200.0	2.0429	34.6508	2.8995
2400.0	1.9252	34.6584	2.9703
2600.0	1.8535	34.6629	3.0509
2640.0	1.8299	34.6646	3.0373



KH9105 October 17, 1991  
**C31** 04°59.83'S, 164°58.16'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.7808	34.9994	4.3807
20.0	29.7442	35.0047	4.5228
30.0	29.7693	35.0908	4.5698
40.0	29.7222	35.1416	4.5839
50.0	29.7811	35.1956	4.5863
60.0	29.7626	35.2806	4.4972
70.0	29.7739	35.4577	4.4086
80.0	29.3260	35.5899	4.1920
90.0	28.8220	35.6209	3.9768
100.0	28.7514	35.6313	3.9963
120.0	27.5493	35.7063	3.6142
140.0	25.7584	35.9475	3.2701
160.0	25.0011	36.0171	3.1799
180.0	22.6612	35.9895	3.0860
200.0	20.5786	35.7802	2.8918
220.0	17.7544	35.4737	2.5230
240.0	15.1703	35.2073	2.1076
260.0	12.9500	34.9868	1.7979
280.0	11.6224	34.8579	1.7380
300.0	10.9701	34.8041	1.8108
350.0	10.0549	34.7406	1.8312
400.0	9.2686	34.6842	1.9273
450.0	8.6989	34.6483	2.0077
500.0	7.9908	34.6044	2.1038
550.0	7.3149	34.5589	2.5293
600.0	6.8781	34.5363	2.9247
650.0	6.5000	34.5231	2.9369
700.0	6.2145	34.5168	2.9421
750.0	5.9508	34.5187	2.7164
800.0	5.6813	34.5148	2.6997
850.0	5.3394	34.5100	2.8043
900.0	4.9834	34.5174	2.6844
950.0	4.6962	34.5223	2.6402
1000.0	4.5461	34.5280	2.6020
1200.0	3.8819	34.5524	2.5215
1400.0	3.2807	34.5783	2.6424
1600.0	2.8507	34.5990	2.7580
1800.0	2.4827	34.6200	2.7947
2000.0	2.2750	34.6330	2.8233
2200.0	2.1237	34.6413	2.8812
2319.0	2.0316	34.6470	2.9322

KH9105 October 17, 1991  
**C32** 04°00.24'S, 164°59.40'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.8375	35.0417	4.3124
20.0	29.8408	35.0468	4.3990
30.0	29.8118	35.0489	4.4967
40.0	29.8412	35.0684	4.4961
50.0	29.8529	35.0764	4.4856
60.0	29.8563	35.0775	4.4981
70.0	29.8751	35.0994	4.4495
80.0	29.9622	35.1933	4.4055
90.0	30.0042	35.3004	4.4557
100.0	29.8637	35.4589	4.3737
120.0	29.1959	35.6021	4.0874
140.0	27.5050	35.7249	3.6496
160.0	25.2320	35.9824	3.1710
180.0	20.1726	35.6762	2.7804
200.0	16.8329	35.3246	2.5887
220.0	14.8644	35.1497	2.4389
240.0	13.6129	35.0414	2.4012
260.0	12.2609	34.9079	2.0826
280.0	11.3327	34.8382	2.4074
300.0	10.7450	34.7887	2.2828
350.0	9.7719	34.7140	1.9961
400.0	9.2492	34.6788	2.1719
450.0	8.6571	34.6457	1.8624
500.0	8.1278	34.6167	1.7910
550.0	7.3812	34.5838	1.5996
600.0	6.9402	34.5644	1.7852
650.0	6.5127	34.5511	1.8224
700.0	6.1540	34.5411	1.9263
750.0	5.8319	34.5328	2.0669
800.0	5.5200	34.5298	2.1681
850.0	5.2841	34.5325	2.1349
900.0	5.0456	34.5342	2.1379
950.0	4.7629	34.5270	2.4789
1000.0	4.6225	34.5343	2.4542
1200.0	3.9679	34.5541	2.4759
1400.0	3.5855	34.5680	2.5672
1600.0	3.0616	34.5896	2.7091
1800.0	2.5341	34.6175	2.7770
2000.0	2.2898	34.6324	2.8290
2200.0	2.0790	34.6445	2.9204
2400.0	1.9329	34.6529	3.0028
2600.0	1.8243	34.6592	3.0259
2800.0	1.7729	34.6621	3.0789
3000.0	1.6935	34.6673	3.1434
3349.0	99.9999	99.9999	3.3757

KH9105 C33		October 17, 1991 02°59.68'S, 164°59.44'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	30.1587	34.8882	4.4606
20.0	30.0469	34.9286	4.5731
30.0	30.0844	34.9857	4.6014
40.0	30.0682	34.9828	4.5568
50.0	30.0608	35.0111	4.5446
60.0	30.0178	35.0802	4.5644
70.0	30.0102	35.1944	4.5490
80.0	29.8245	35.4017	4.4516
90.0	29.3296	35.4624	4.1523
100.0	29.1649	35.4890	3.9593
120.0	28.2660	35.6369	3.6480
140.0	26.6902	35.6008	3.3279
160.0	24.5691	35.6427	2.9936
180.0	20.9907	35.5463	2.6319
200.0	15.3613	35.1809	2.4688
220.0	11.9812	34.8784	2.5237
240.0	11.5316	34.8431	2.6270
260.0	11.2639	34.8076	2.6584
280.0	10.9558	34.7843	2.6363
300.0	10.6696	34.7625	2.5790
350.0	10.2526	34.7362	2.4018
400.0	9.9420	34.7173	2.4051
450.0	9.3324	34.6781	2.7192
500.0	8.4411	34.6203	2.8462
550.0	7.6389	34.5900	2.4288
600.0	7.1385	34.5644	2.2819
650.0	6.6401	34.5464	2.2339
700.0	6.0841	34.5360	2.0893
750.0	5.8097	34.5325	2.1092
800.0	5.4088	34.5291	2.2313
850.0	5.2022	34.5264	2.3035
900.0	4.9581	34.5334	2.1842
950.0	4.7354	34.5374	2.2133
1000.0	4.5836	34.5419	2.2002
1200.0	3.9381	34.5622	2.2303
1400.0	3.3238	34.5805	2.5040
1600.0	2.8742	34.6018	2.5770
1800.0	2.4681	34.6228	2.6479
2000.0	2.2785	34.6338	2.6582
2200.0	2.1048	34.6443	2.7370
2400.0	1.9297	34.6530	2.8310
2600.0	1.7945	34.6617	2.9227
2800.0	1.7328	34.6647	2.9735
3000.0	1.6982	34.6676	3.0590
3500.0	1.5158	34.6812	3.4928
4000.0	1.4292	34.6912	3.8298
4130.0	1.3968	34.6938	3.8501

KH9105 C34		October 18, 1991 01°59.71'S, 165°00.37'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	30.0045	34.6277	4.4255
20.0	29.9581	34.6562	4.5148
30.0	29.9943	34.7000	4.5131
40.0	30.0338	34.7810	4.5270
50.0	29.8879	35.1018	4.5477
60.0	29.8894	35.1377	4.6094
70.0	29.8343	35.4705	4.4481
80.0	29.2707	35.5475	4.1415
90.0	29.0463	35.5640	4.0899
100.0	28.0873	35.4505	3.8939
120.0	26.6277	35.4693	3.4686
140.0	24.3199	35.4024	3.0027
160.0	23.3302	35.3426	2.9368
180.0	21.7852	35.5767	2.8146
200.0	18.0119	35.4241	2.4610
220.0	13.9416	35.0734	2.4920
240.0	12.0421	34.8540	2.9831
260.0	11.3712	34.7978	2.5632
280.0	11.1026	34.7872	2.3821
300.0	10.8152	34.7713	2.4424
350.0	10.4903	34.7552	2.4179
400.0	10.0634	34.7272	2.3086
450.0	9.3556	34.6816	2.6166
500.0	8.7212	34.6387	2.8932
550.0	7.7199	34.5781	2.9774
600.0	7.0137	34.5464	2.8577
650.0	6.4472	34.5377	2.5236
700.0	5.9545	34.5253	2.4670
750.0	5.6437	34.5233	2.4843
800.0	5.2877	34.5236	2.4925
850.0	5.0294	34.5266	2.4841
900.0	4.8487	34.5284	2.5363
950.0	4.7430	34.5355	2.4486
1000.0	4.6335	34.5369	2.3845
1200.0	3.8667	34.5613	2.3923
1400.0	3.2832	34.5815	2.5411
1600.0	2.8944	34.6014	2.5751
1800.0	2.6024	34.6156	2.6639
2000.0	2.2727	34.6337	2.7427
2200.0	2.0838	34.6442	2.8475
2400.0	1.9281	34.6529	2.9110
2600.0	1.8189	34.6590	2.9539
2800.0	1.7435	34.6634	2.9982
3000.0	1.6789	34.6675	3.1474
3500.0	1.5309	34.6792	3.4244
4000.0	1.4427	34.6892	3.7872
4468.0	1.3715	34.6976	4.1174

KH9105		October 18, 1991	
C35		01°29.46'S, 165°00.46'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.4528	34.1488	4.2931
20.0	29.5750	34.3766	4.3612
30.0	29.6247	34.4276	4.4180
40.0	29.7323	34.5210	4.5424
50.0	29.9483	34.7390	4.5807
60.0	29.9708	34.7947	4.6212
70.0	29.9509	34.8002	4.5890
80.0	29.8690	34.8034	4.6102
90.0	29.6915	35.0809	4.4152
100.0	26.8177	35.3423	3.5980
120.0	25.3121	35.3639	3.2215
140.0	23.9228	35.2248	3.0395
160.0	23.0293	35.1634	2.9392
180.0	21.3309	35.4381	2.7864
200.0	17.1541	35.3685	2.7371
220.0	15.2097	35.1900	2.6495
240.0	12.8067	34.9443	2.8676
260.0	11.9827	34.8480	2.7595
280.0	11.6141	34.8246	2.6044
300.0	11.0135	34.7867	2.4311
350.0	10.4918	34.7533	2.5658
400.0	9.9490	34.7187	2.4656
450.0	9.0323	34.6592	1.8511
500.0	8.2851	34.6191	1.6892
550.0	7.4369	34.5677	2.4061
600.0	6.9416	34.5504	2.3427
650.0	6.5344	34.5370	2.4503
700.0	6.0518	34.5284	2.4589
750.0	5.5162	34.5215	2.5500
800.0	5.1139	34.5256	2.4887
850.0	4.9798	34.5373	2.2518
900.0	4.8176	34.5414	2.2147
950.0	4.6836	34.5438	2.2006
1000.0	4.5770	34.5449	2.2510
1200.0	3.8595	34.5660	2.3700
1400.0	3.3393	34.5839	2.4255
1600.0	2.8990	34.6036	2.5113
1800.0	2.5848	34.6182	2.6113
2000.0	2.2393	34.6362	2.6866
2200.0	2.1193	34.6436	2.8150
2400.0	1.9037	34.6549	2.8796
2600.0	1.8441	34.6592	2.8990
2800.0	1.7386	34.6646	3.0067
3000.0	1.6660	34.6688	3.1518
3500.0	1.5468	34.6789	3.4303
4000.0	1.4339	34.6912	3.7767
4452.0	1.3521	34.6993	??.????

KH9105		October 18, 1991	
C36		00°59.62'S, 165°00.40'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.4200	34.2059	4.5651
20.0	29.4690	34.2379	4.7035
30.0	29.6232	34.4091	4.7348
40.0	29.7174	34.4981	4.7876
50.0	29.8230	34.5882	4.7907
60.0	29.8329	34.6080	4.7657
70.0	29.5890	34.5315	4.6581
80.0	29.2797	34.7323	4.5773
90.0	28.6756	35.1091	4.3475
100.0	25.9380	35.3620	3.6672
120.0	24.5726	35.2583	3.2646
140.0	23.3763	35.1631	3.1642
160.0	21.7421	35.2110	3.0477
180.0	18.8846	35.3434	3.1336
200.0	15.9184	35.2190	3.1626
220.0	14.3323	35.1015	2.9807
240.0	12.9616	34.9624	2.9609
260.0	12.1391	34.8641	2.9055
280.0	11.9579	34.8515	2.7746
300.0	11.5725	34.8261	2.5802
350.0	10.2887	34.7386	2.2221
400.0	9.4378	34.6819	1.6912
450.0	9.0102	34.6562	1.6627
500.0	8.3446	34.6221	1.6960
550.0	7.5263	34.5747	1.9114
600.0	6.8601	34.5561	2.0537
650.0	6.4715	34.5429	2.0391
700.0	6.0020	34.5257	2.3543
750.0	5.5735	34.5189	2.4522
800.0	5.3771	34.5237	2.4137
850.0	5.1389	34.5351	2.1240
900.0	5.0465	34.5363	2.0893
950.0	4.8416	34.5433	2.0280
1000.0	4.6112	34.5477	2.0065
1200.0	3.7877	34.5710	2.1277
1400.0	3.3502	34.5860	2.3160
1600.0	2.8835	34.6045	2.4549
1800.0	2.6374	34.6158	2.5674
2000.0	2.2587	34.6359	2.7387
2200.0	2.1116	34.6442	2.8206
2400.0	1.9281	34.6535	2.9105
2600.0	1.8513	34.6589	2.9268
2800.0	1.7345	34.6649	3.0595
3000.0	1.6602	34.6695	3.2031
3500.0	1.5448	34.6796	3.4340
4000.0	1.4649	34.6889	3.7379
4428.0	1.3511	34.6991	4.1993

KH9105 October 18, 1991  
**C37** 00°29.51'S, 164°59.88'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.3771	34.1886	4.5996
20.0	29.3805	34.1886	4.6521
30.0	29.3874	34.1954	4.5935
40.0	29.3272	34.2574	4.6292
50.0	29.2179	34.2546	4.6223
60.0	29.1588	34.2608	4.5652
70.0	29.1383	34.2772	4.6519
80.0	29.0953	34.3865	4.5668
90.0	29.3460	34.5872	4.6829
100.0	29.5339	34.8452	4.5965
120.0	25.4100	35.2996	3.4548
140.0	21.5198	35.2165	3.1949
160.0	20.7838	35.3309	3.0831
180.0	19.2299	35.2590	3.1224
200.0	16.8443	35.2691	3.1599
220.0	15.3293	35.1540	3.2451
240.0	13.9083	35.0601	3.1646
260.0	13.0675	34.9717	3.0811
280.0	12.1266	34.8701	3.0101
300.0	12.0931	34.8692	2.9844
350.0	10.3575	34.7298	2.5540
400.0	9.5691	34.6926	2.0398
450.0	9.0117	34.6549	1.7194
500.0	8.4411	34.6267	1.7320
550.0	7.4933	34.5794	2.1255
600.0	6.9854	34.5621	2.0051
650.0	6.4851	34.5478	2.0252
700.0	5.9742	34.5300	2.2442
750.0	5.5658	34.5340	2.1681
800.0	5.4258	34.5339	2.1987
850.0	5.2487	34.5338	2.2527
900.0	5.0752	34.5377	2.2112
950.0	4.7909	34.5440	2.1265
1000.0	4.5551	34.5486	2.1493
1200.0	3.7388	34.5724	2.2245
1400.0	3.2398	34.5904	2.3145
1600.0	2.9133	34.6033	2.4756
1800.0	2.5087	34.6212	2.6619
2000.0	2.2539	34.6354	2.7272
2200.0	2.0588	34.6462	2.8334
2400.0	1.9455	34.6531	2.9069
2600.0	1.8503	34.6575	2.9378
2800.0	1.7407	34.6645	3.0458
3000.0	1.6491	34.6701	3.1855
3500.0	1.5516	34.6785	3.4305
4000.0	1.4708	34.6884	3.7739
4440.0	1.3440	34.6994	4.1960

KH9105 October 19, 1991  
**C38** 00°01.75'N, 165°00.99'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.3724	34.2092	4.5282
20.0	29.3684	34.2102	4.4808
30.0	29.3636	34.2106	4.4143
40.0	29.3599	34.2116	4.4407
50.0	29.2711	34.2260	4.4730
60.0	29.1265	34.2408	4.4951
70.0	29.0358	34.2194	4.5738
80.0	29.1140	34.2744	4.5637
90.0	29.1017	34.3311	4.5229
100.0	29.1218	34.4587	4.4715
120.0	27.8825	35.2268	3.8876
140.0	24.5600	35.2265	3.2009
160.0	21.1680	35.3427	3.0844
180.0	19.3687	35.2352	3.1266
200.0	17.4226	35.2684	3.1387
220.0	15.3499	35.1302	3.2333
240.0	14.4313	35.0704	3.2616
260.0	13.0074	34.9627	3.1175
280.0	12.4368	34.8998	3.0876
300.0	12.0617	34.8579	3.0111
350.0	10.6433	34.7516	2.1072
400.0	9.5641	34.6913	1.9532
450.0	8.8789	34.6437	1.6635
500.0	8.0376	34.6062	1.7440
550.0	7.5769	34.5833	1.8419
600.0	7.1792	34.5685	1.8581
650.0	6.4710	34.5450	1.9504
700.0	5.9831	34.5344	2.0610
750.0	5.5623	34.5300	2.2595
800.0	5.3148	34.5347	2.1727
850.0	5.1985	34.5354	2.1832
900.0	4.9574	34.5372	2.1908
950.0	4.8164	34.5425	2.0726
1000.0	4.4824	34.5496	2.0978
1200.0	3.8204	34.5698	2.1523
1400.0	3.3060	34.5885	2.1859
1600.0	2.8674	34.6057	2.3971
1800.0	2.4718	34.6234	2.5512
2000.0	2.2366	34.6365	2.6184
2200.0	2.0515	34.6469	2.7521
2400.0	1.9470	34.6528	2.8447
2600.0	1.8428	34.6593	2.9406
2800.0	1.7664	34.6632	3.0285
3000.0	1.6826	34.6685	3.1322
3500.0	1.5661	34.6781	3.3826
4000.0	1.4615	34.6892	3.7321
4404.0	1.3404	34.6997	4.1690

KH9105      October 19, 1991  
**C39**            00°30.25'N, 164°59.97'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.3426	34.1617	4.6193
20.0	29.3298	34.2063	4.6503
30.0	29.3721	34.2601	4.6888
40.0	29.3726	34.2711	4.6412
50.0	29.3431	34.2800	4.6653
60.0	29.2251	34.2942	4.5807
70.0	29.1111	34.3064	4.5942
80.0	29.0726	34.3171	4.5605
90.0	29.0552	34.3227	4.6187
100.0	29.0575	34.4436	4.5496
120.0	27.8420	35.3114	4.0689
140.0	25.1251	35.2451	3.4159
160.0	21.0699	35.3235	3.1701
180.0	18.5970	35.0463	3.2407
200.0	16.7843	35.0686	3.2518
220.0	15.2546	34.9905	3.2292
240.0	13.9770	35.0117	3.1638
260.0	13.0993	34.9649	3.1093
280.0	12.7117	34.9290	2.9631
300.0	12.2913	34.8816	2.9801
350.0	10.6561	34.7502	1.9792
400.0	9.5663	34.6851	1.6934
450.0	8.9382	34.6483	1.6939
500.0	8.2327	34.6153	1.8126
550.0	7.5026	34.5764	1.9372
600.0	6.8560	34.5580	1.9892
650.0	6.5122	34.5460	1.9852
700.0	6.1754	34.5319	2.2129
750.0	5.8662	34.5283	2.3624
800.0	5.5315	34.5308	2.2802
850.0	5.2380	34.5344	2.1459
900.0	5.0740	34.5373	2.1243
950.0	4.9716	34.5393	2.0870
1000.0	4.6641	34.5455	2.0497
1200.0	3.8626	34.5686	2.1299
1400.0	3.2905	34.5891	2.1875
1600.0	2.8945	34.6037	2.4092
1800.0	2.4811	34.6225	2.5738
2000.0	2.2360	34.6364	2.6881
2200.0	2.0580	34.6464	2.7908
2400.0	1.9448	34.6539	2.8706
2600.0	1.8630	34.6578	2.9103
2800.0	1.7722	34.6624	3.0123
3000.0	1.6806	34.6677	3.1182
3500.0	1.5594	34.6780	3.3815
4000.0	1.4473	34.6897	3.8050
4370.0	1.3426	34.6996	4.1657

KH9105      October 19, 1991  
**C40**            01°00.06'N, 165°00.20'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.3398	34.1614	4.3711
20.0	29.3216	34.1618	4.4414
30.0	29.2545	34.2048	4.3892
40.0	29.2351	34.2185	4.4984
50.0	29.1847	34.2226	4.4300
60.0	29.1862	34.2332	4.4587
70.0	29.1792	34.2490	4.4428
80.0	29.1510	34.2499	4.3758
90.0	28.9884	34.4620	4.4093
100.0	28.9351	34.6812	4.3546
120.0	27.5759	35.4021	3.8290
140.0	22.3573	34.9057	3.1733
160.0	20.3151	35.0830	3.1930
180.0	17.4421	34.8787	3.2923
200.0	15.2394	34.9311	3.1371
220.0	13.9357	34.8930	3.1263
240.0	13.2394	34.9509	3.1457
260.0	12.7607	34.9263	3.0680
280.0	12.4523	34.9042	3.0455
300.0	12.1768	34.8702	2.9733
350.0	10.9251	34.7728	2.3178
400.0	9.8595	34.6959	2.0232
450.0	9.0633	34.6542	2.1253
500.0	8.4551	34.6088	2.3341
550.0	7.9316	34.5956	2.2912
600.0	7.0311	34.5608	2.1837
650.0	6.5911	34.5506	2.0834
700.0	5.9577	34.5284	2.3342
750.0	5.6156	34.5335	2.1708
800.0	5.3362	34.5338	2.2793
850.0	5.1382	34.5362	2.1712
900.0	5.0457	34.5388	2.1259
950.0	4.7783	34.5421	2.1783
1000.0	4.6836	34.5460	2.0098
1200.0	3.8721	34.5681	2.1832
1400.0	3.3382	34.5868	2.2492
1600.0	2.9511	34.6015	2.3807
1800.0	2.5238	34.6211	2.5394
2000.0	2.2388	34.6359	2.7180
2200.0	2.0361	34.6478	2.8063
2400.0	1.9351	34.6533	2.8835
2600.0	1.8184	34.6602	2.9160
2800.0	1.7706	34.6626	2.9875
3000.0	1.6818	34.6689	3.0858
3500.0	1.5452	34.6785	3.4152
4000.0	1.4468	34.6900	3.7998
4332.0	1.3585	34.6985	4.0884

KH9105 C41		October 19, 1991 01°30.28'N, 165°00.25'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.3469	34.2309	4.5768
20.0	29.3265	34.2308	4.7135
30.0	29.2971	34.2424	4.6970
40.0	29.2258	34.3083	4.6973
50.0	29.1816	34.3406	4.6712
60.0	29.0984	34.3150	4.6703
70.0	28.9360	34.2879	4.6475
80.0	28.9878	34.3763	4.5747
90.0	28.9945	34.4548	4.4966
100.0	28.7467	34.8303	4.3170
120.0	27.4282	35.3810	3.7675
140.0	25.5873	35.2650	3.3154
160.0	21.9975	35.0021	3.0803
180.0	19.8832	34.9295	3.0502
200.0	15.0458	34.6937	3.1898
220.0	13.9133	34.7227	2.9675
240.0	12.5568	34.8271	2.9219
260.0	12.3473	34.8849	2.8288
280.0	12.0132	34.8547	2.7178
300.0	11.7063	34.8344	2.4598
350.0	10.5611	34.7524	2.2386
400.0	9.6447	34.6818	2.5877
450.0	9.2175	34.6505	2.7017
500.0	8.4435	34.6055	2.5308
550.0	7.7098	34.5747	2.2423
600.0	6.8428	34.5461	2.0539
650.0	6.4726	34.5447	2.1294
700.0	6.0473	34.5320	2.3349
750.0	5.6034	34.5308	2.3000
800.0	5.3151	34.5334	2.2714
850.0	5.0538	34.5383	2.2356
900.0	4.8288	34.5409	2.1362
950.0	4.7185	34.5444	2.0883
1000.0	4.4824	34.5494	2.1017
1200.0	3.7843	34.5716	2.1670
1400.0	3.3728	34.5867	2.1714
1600.0	3.0190	34.5998	2.2719
1800.0	2.4540	34.6238	2.4812
2000.0	2.2242	34.6375	2.6207
2200.0	2.0196	34.6482	2.7106
2400.0	1.9220	34.6542	2.8220
2600.0	1.8394	34.6593	2.9217
2800.0	1.7522	34.6638	3.0638
3000.0	1.6840	34.6688	3.1337
3500.0	1.5473	34.6787	3.4769
4000.0	1.4302	34.6921	3.8156
4264.0	1.3810	34.6960	4.0146

KH9105 C42		October 19, 1991 02°00.43'N, 165°00.00'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.1799	34.1970	4.6417
20.0	29.1876	34.2157	4.4845
30.0	29.1079	34.2749	4.6746
40.0	28.9594	34.3082	4.5921
50.0	28.9151	34.3195	4.6730
60.0	28.9189	34.3241	4.6716
70.0	28.8399	34.3346	4.5519
80.0	28.7319	34.5227	4.5403
90.0	28.5006	34.7110	4.4240
100.0	28.3875	34.9867	4.3341
120.0	27.6891	35.4086	4.0007
140.0	25.9729	35.2282	3.5285
160.0	23.6593	35.0408	3.1838
180.0	21.0078	35.0101	3.2691
200.0	15.2775	34.6573	3.5197
220.0	12.3959	34.6545	3.2572
240.0	11.5410	34.7201	3.1584
260.0	11.6173	34.8256	2.9566
280.0	11.2569	34.8004	2.6586
300.0	10.9272	34.7657	2.7080
350.0	10.2388	34.7183	2.6724
400.0	9.3775	34.6597	2.5158
450.0	8.9484	34.6420	2.5576
500.0	8.4428	34.6130	2.6247
550.0	7.5296	34.5672	2.4640
600.0	6.9543	34.5462	2.3270
650.0	6.4043	34.5363	2.1406
700.0	5.9976	34.5335	2.0068
750.0	5.7050	34.5338	2.1182
800.0	5.1997	34.5335	2.2152
850.0	4.9622	34.5377	2.2176
900.0	4.7672	34.5426	2.1964
950.0	4.6385	34.5462	2.1911
1000.0	4.4964	34.5484	2.2217
1200.0	3.8235	34.5706	2.2150
1400.0	3.3623	34.5863	2.2065
1600.0	2.8382	34.6070	2.2926
1800.0	2.4825	34.6233	2.4559
2000.0	2.2477	34.6354	2.6065
2200.0	2.0557	34.6465	2.7338
2400.0	1.9001	34.6549	2.8512
2600.0	1.8281	34.6602	2.9323
2800.0	1.7469	34.6644	3.0182
3000.0	1.6768	34.6689	3.1414
3500.0	1.5512	34.6785	3.3614
4000.0	1.4508	34.6890	3.7693
4175.0	1.3692	34.6961	4.1567

KH9105      October 20, 1991  
**C43**            02°30.21'N, 165°00.59'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.1363	34.1998	4.3748
20.0	29.1040	34.1993	4.4520
30.0	29.0961	34.2131	4.5023
40.0	28.9690	34.3306	4.5386
50.0	28.9007	34.3825	4.5205
60.0	28.8150	34.6019	4.5034
70.0	28.5361	34.7452	4.4136
80.0	28.3037	34.9326	4.2488
90.0	27.8349	35.0994	4.0472
100.0	27.9722	35.3432	4.0143
120.0	26.5019	35.2507	3.6435
140.0	25.0308	35.1191	3.3379
160.0	22.2819	35.0705	3.2483
180.0	17.3258	34.7864	3.4278
200.0	12.9061	34.5662	3.3145
220.0	11.6105	34.5956	3.1899
240.0	10.8545	34.6712	3.0570
260.0	10.7089	34.7455	2.8436
280.0	10.4426	34.7300	2.8063
300.0	10.1948	34.7104	2.6766
350.0	9.6456	34.6770	2.3297
400.0	9.0387	34.6478	2.2628
450.0	8.6107	34.6188	2.5051
500.0	8.3986	34.6071	2.4368
550.0	7.9082	34.5830	2.2955
600.0	7.4767	34.5651	2.1359
650.0	6.7503	34.5428	1.9815
700.0	6.2115	34.5375	1.8515
750.0	5.9404	34.5364	1.7533
800.0	5.4809	34.5362	2.0407
850.0	5.1674	34.5369	2.0851
900.0	4.8701	34.5419	2.0846
950.0	4.6950	34.5454	2.1112
1000.0	4.5280	34.5497	2.1372
1200.0	3.9741	34.5664	2.2822
1400.0	3.3895	34.5855	2.2727
1600.0	2.9379	34.6022	2.4135
1800.0	2.5524	34.6202	2.5184
2000.0	2.2375	34.6357	2.6348
2200.0	2.0680	34.6458	2.7072
2400.0	1.8884	34.6566	2.8342
2600.0	1.7774	34.6615	2.9778
2800.0	1.7079	34.6663	3.0949
3000.0	1.6441	34.6706	3.1487
3500.0	1.5477	34.6792	3.4322
4000.0	1.4340	34.6912	3.8481
4120.0	1.4116	34.6931	3.9158

KH9105      October 20, 1991  
**C44**            03°00.31'N, 165°00.49'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.2633	34.1888	4.4714
20.0	29.1429	34.2039	4.4881
30.0	29.0693	34.2704	4.5478
40.0	28.8497	34.3535	4.5948
50.0	28.8541	34.5010	4.5440
60.0	28.8750	34.6897	4.4760
70.0	29.0033	35.0005	4.4709
80.0	27.8257	35.0014	4.0793
90.0	27.0672	34.9614	3.7453
100.0	26.9494	35.0866	3.5821
120.0	24.8170	35.0272	3.1056
140.0	23.7912	35.0649	3.0044
160.0	21.8866	35.0891	3.0146
180.0	17.8963	34.8070	3.2746
200.0	14.6821	34.6156	3.2637
220.0	12.5805	34.5406	3.2064
240.0	10.7851	34.5364	2.8450
260.0	10.1645	34.5729	2.4523
280.0	9.8750	34.6149	2.6317
300.0	9.5284	34.6125	2.5932
350.0	9.1412	34.6078	2.5753
400.0	8.8963	34.6291	2.5096
450.0	8.6106	34.6188	2.5783
500.0	8.0737	34.5885	2.4671
550.0	7.6770	34.5682	2.1538
600.0	7.1716	34.5535	1.9076
650.0	6.7027	34.5435	1.9641
700.0	6.2410	34.5361	2.0807
750.0	5.8977	34.5326	2.1660
800.0	5.6179	34.5352	1.9923
850.0	5.3314	34.5344	2.1291
900.0	4.9805	34.5409	2.0443
950.0	4.6841	34.5465	2.0051
1000.0	4.4824	34.5510	2.0558
1200.0	3.8336	34.5704	2.1451
1400.0	3.3997	34.5851	2.2086
1600.0	2.8470	34.6067	2.3529
1800.0	2.5351	34.6198	2.5493
2000.0	2.2647	34.6352	2.6349
2200.0	2.0765	34.6455	2.7536
2400.0	1.9091	34.6551	2.8588
2600.0	1.8262	34.6596	2.9281
2800.0	1.7282	34.6647	3.0389
3000.0	1.6929	34.6679	3.1022
3500.0	1.5329	34.6801	3.3714
4000.0	1.4568	34.6890	3.7199
4262.0	1.3951	34.6951	3.8900

KH9105 October 20, 1991  
**C45** 03°29.91'N, 165°01.03'E

P(db)	T(°C)	S(psu)	0(ml/L)
10.0	28.8317	33.8911	4.2499
20.0	28.8664	33.9538	4.4747
30.0	28.9070	34.0241	4.4347
40.0	28.8408	34.0564	4.4985
50.0	28.8075	34.2225	4.5683
60.0	28.8902	34.5500	4.5632
70.0	28.8470	34.8428	4.5857
80.0	28.1132	35.0135	4.1270
90.0	27.3588	34.9995	3.7884
100.0	26.9935	35.0367	3.6021
120.0	25.7708	35.0728	3.3742
140.0	24.0669	35.0397	3.1799
160.0	22.0282	35.0915	3.1549
180.0	20.4046	35.0613	3.2316
200.0	19.1003	34.9455	3.2845
220.0	13.9613	34.5796	3.3178
240.0	11.9525	34.5329	2.9172
260.0	10.5633	34.5242	2.9769
280.0	10.0157	34.5725	2.7787
300.0	9.7365	34.5899	2.7870
350.0	9.1063	34.5900	2.6393
400.0	8.4753	34.5556	2.3642
450.0	8.1831	34.5803	2.3933
500.0	7.8939	34.5825	1.8735
550.0	7.4956	34.5699	1.6814
600.0	7.1558	34.5593	1.7305
650.0	6.6952	34.5470	1.7622
700.0	6.2471	34.5393	1.7775
750.0	5.8972	34.5361	1.7758
800.0	5.6860	34.5328	2.0840
850.0	5.4329	34.5355	2.0541
900.0	5.1736	34.5388	1.9286
950.0	4.8932	34.5431	1.8616
1000.0	4.6837	34.5475	1.8971
1200.0	3.8950	34.5690	2.0593
1400.0	3.4333	34.5841	2.1445
1600.0	2.8279	34.6075	2.2338
1800.0	2.4954	34.6237	2.4553
2000.0	2.2887	34.6346	2.5771
2200.0	2.0965	34.6446	2.6871
2400.0	1.9511	34.6531	2.8166
2600.0	1.8373	34.6593	2.8608
2800.0	1.7596	34.6640	2.9322
3000.0	1.6847	34.6690	3.0316
3500.0	1.5349	34.6805	3.3695
4000.0	1.4718	34.6878	3.7368
4262.0	1.4348	34.6922	3.8922

KH9105 October 20, 1991  
**C46** 04°00.18'N, 165°00.72'E

P(db)	T(°C)	S(psu)	0(ml/L)
10.0	29.0067	33.9411	4.5532
20.0	28.9992	33.9471	4.5858
30.0	28.8765	33.9588	4.4047
40.0	28.7969	33.9529	4.3828
50.0	28.7348	34.0440	4.4447
60.0	28.4191	34.7816	4.4234
70.0	27.8128	34.8471	4.3359
80.0	27.2280	34.8929	4.0288
90.0	26.5691	34.8795	3.6554
100.0	26.0564	34.9920	3.4008
120.0	24.5156	34.9564	3.1612
140.0	23.5643	35.1184	3.0180
160.0	21.8220	35.0455	2.9676
180.0	20.0385	35.0464	3.0877
200.0	17.8284	34.8470	3.2258
220.0	14.2128	34.5869	3.2166
240.0	12.6625	34.5501	3.1158
260.0	11.2394	34.5723	1.7151
280.0	10.4089	34.6157	1.2047
300.0	10.0048	34.6370	1.0388
350.0	9.2607	34.6353	1.0778
400.0	8.6609	34.6152	1.2247
450.0	8.0837	34.5943	1.2425
500.0	7.5406	34.5749	1.2036
550.0	7.0040	34.5564	1.2111
600.0	6.6345	34.5471	1.2042
650.0	6.1846	34.5377	1.4591
700.0	5.7725	34.5320	1.7733
750.0	5.5737	34.5329	1.9224
800.0	5.3497	34.5350	2.0198
850.0	5.1170	34.5390	1.9276
900.0	4.9090	34.5429	1.9357
950.0	4.7278	34.5458	2.1552
1000.0	4.5678	34.5495	2.1221
1200.0	3.8741	34.5693	2.1154
1400.0	3.2453	34.5909	2.0664
1600.0	2.8618	34.6058	2.2797
1800.0	2.4943	34.6222	2.3981
2000.0	2.2196	34.6362	2.5102
2200.0	2.0121	34.6476	2.6682
2400.0	1.8850	34.6562	2.7947
2600.0	1.7914	34.6613	2.8670
2800.0	1.7257	34.6657	3.0263
3000.0	1.6615	34.6694	3.1266
3500.0	1.5229	34.6802	3.4529
4000.0	1.4767	34.6874	3.6612
4494.0	1.3959	34.6970	4.0760



KH9105      October 20, 1991  
**C47**          04°59.23'N, 165°01.15'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.8048	33.7839	4.4097
20.0	28.8112	33.7748	4.5583
30.0	28.7891	33.8111	4.4650
40.0	28.6565	33.9469	4.4987
50.0	28.3102	34.2379	4.5779
60.0	27.2535	34.5199	4.4449
70.0	26.0495	34.7345	4.1344
80.0	25.4279	34.8040	3.8288
90.0	24.8586	34.8802	3.5608
100.0	24.3221	34.8478	3.4026
120.0	23.0628	34.8783	3.3985
140.0	20.8031	34.8781	3.3126
160.0	19.3237	34.9029	3.2743
180.0	16.5342	34.6978	3.2980
200.0	13.6868	34.5807	2.6756
220.0	11.7828	34.5603	1.9201
240.0	10.5751	34.5700	1.7747
260.0	10.1433	34.6354	1.1258
280.0	9.8498	34.6357	1.0417
300.0	9.5933	34.6382	1.0428
350.0	9.0340	34.6257	1.0552
400.0	8.6129	34.6161	1.1340
450.0	8.2120	34.5999	1.1467
500.0	7.7338	34.5813	1.0680
550.0	7.2693	34.5645	0.9934
600.0	6.8429	34.5513	1.0127
650.0	6.3876	34.5410	1.1743
700.0	6.0186	34.5384	1.3371
750.0	5.6253	34.5353	1.5417
800.0	5.3141	34.5379	1.6711
850.0	5.1030	34.5398	1.7745
900.0	4.8969	34.5422	1.8383
950.0	4.6977	34.5464	1.8788
1000.0	4.5101	34.5503	1.9168
1200.0	3.7964	34.5719	1.9689
1400.0	3.2711	34.5898	2.0423
1600.0	2.8374	34.6073	2.1708
1800.0	2.5216	34.6216	2.3555
2000.0	2.2438	34.6362	2.4852
2200.0	2.0052	34.6496	2.6463
2400.0	1.8683	34.6572	2.7968
2600.0	1.7766	34.6625	2.9241
2800.0	1.7045	34.6675	3.0555
3000.0	1.6396	34.6713	3.1846
3500.0	1.5307	34.6801	3.4429
4000.0	1.4849	34.6874	3.6713
4500.0	1.4315	34.6953	3.9835
4758.0	1.4159	34.6983	4.0969

KH9105      October 21, 1991  
**C48**          05°59.71'N, 165°00.37'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.4242	33.6213	3.9073
20.0	29.3892	33.6234	4.0033
30.0	29.3514	33.6377	4.0877
40.0	29.2918	33.6633	4.0791
50.0	29.1220	33.8307	4.1599
60.0	28.5250	34.3017	4.3839
70.0	27.4019	34.4740	4.2921
80.0	26.0720	34.6530	4.0519
90.0	24.9311	34.6920	3.8455
100.0	23.5427	34.8063	3.4052
120.0	21.2137	34.8020	3.0468
140.0	18.8037	34.7370	2.9577
160.0	16.2663	34.6874	2.8834
180.0	14.2523	34.5878	2.5636
200.0	12.9823	34.5648	2.1308
220.0	11.2922	34.5840	1.3302
240.0	10.4969	34.5831	1.1478
260.0	10.2074	34.6037	0.9510
280.0	9.9345	34.6488	1.0074
300.0	9.7541	34.6459	1.0567
350.0	9.2860	34.6431	1.1009
400.0	8.8184	34.6268	1.1137
450.0	8.4443	34.6122	1.0879
500.0	8.0900	34.5978	1.0159
550.0	7.6845	34.5824	0.8368
600.0	7.1482	34.5647	0.8091
650.0	6.6807	34.5480	1.0114
700.0	6.1555	34.5335	1.1135
750.0	5.7522	34.5317	1.2797
800.0	5.4870	34.5342	1.2563
850.0	5.1970	34.5351	1.3307
900.0	4.9498	34.5407	1.3241
950.0	4.6807	34.5461	1.4848
1000.0	4.4456	34.5518	1.6609
1200.0	3.7175	34.5727	1.9204
1400.0	3.2105	34.5911	2.0615
1600.0	2.7990	34.6073	2.2078
1800.0	2.4552	34.6233	2.2779
2000.0	2.1998	34.6384	2.4289
2200.0	2.0176	34.6487	2.5572
2400.0	1.9091	34.6551	2.6783
2600.0	1.8178	34.6613	2.8236
2800.0	1.7404	34.6651	2.9604
3000.0	1.6755	34.6692	3.0898
3500.0	1.5379	34.6807	3.3791
4000.0	1.4458	34.6894	3.7345
4500.0	1.4060	34.6968	4.0484
4995.0	1.3760	34.7010	4.2525

KH9105 C49			
October 21, 1991 06°59.31'N, 164°30.07'E			
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.8672	33.4666	4.3873
20.0	29.8516	33.4585	4.5116
30.0	29.8508	33.4661	4.4011
40.0	29.4609	33.9694	4.5948
50.0	27.9613	34.4108	4.8501
60.0	26.9597	34.5422	4.7733
70.0	24.9634	34.5984	4.4397
80.0	23.3857	34.6461	4.1311
90.0	21.3622	34.7298	3.6624
100.0	20.3581	34.7746	3.6762
120.0	17.7364	34.7200	3.2272
140.0	15.4215	34.6449	2.9447
160.0	12.9068	34.5692	2.3496
180.0	11.2528	34.4669	2.0835
200.0	10.9357	34.5673	1.5305
220.0	10.5305	34.6071	1.2818
240.0	10.1280	34.6361	1.0856
260.0	9.8213	34.6408	1.0306
280.0	9.5926	34.6293	1.0591
300.0	9.3955	34.6412	1.1195
350.0	9.0469	34.6328	1.1815
400.0	8.7337	34.6214	1.0566
450.0	8.2749	34.5810	0.9714
500.0	8.0290	34.5931	0.9858
550.0	7.6970	34.5804	1.0484
600.0	7.1289	34.5442	1.1082
650.0	6.7083	34.5308	1.1947
700.0	6.4135	34.5442	1.0145
750.0	6.0376	34.5399	1.0940
800.0	5.6055	34.5374	1.2402
850.0	5.3485	34.5365	1.3352
900.0	5.1191	34.5412	1.3918
950.0	4.8476	34.5444	1.5158
1000.0	4.6091	34.5489	1.5330
1200.0	3.7737	34.5714	1.9046
1400.0	3.2011	34.5902	1.9782
1600.0	2.7766	34.6078	2.1245
1800.0	2.4542	34.6240	2.3119
2000.0	2.1941	34.6378	2.4272
2200.0	2.0193	34.6484	2.5770
2400.0	1.9025	34.6560	2.7269
2600.0	1.8214	34.6612	2.8366
2800.0	1.7368	34.6653	2.9746
3000.0	1.6676	34.6701	3.0752
3500.0	1.5255	34.6807	3.4023
4000.0	1.4317	34.6911	3.7770
4500.0	1.3937	34.6970	4.0592
5000.0	1.3866	34.7013	4.2455
5100.0	1.3918	34.7011	4.2737

KH9105 C50			
October 21, 1991 08°00.18'N, 163°59.82'E			
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.6864	33.5977	4.4411
20.0	29.6034	33.6466	4.4376
30.0	29.6410	33.6743	4.4673
40.0	28.6047	34.2327	4.6169
50.0	27.3033	34.4886	4.8068
60.0	25.8106	34.6028	4.7264
70.0	22.6953	34.8134	4.4394
80.0	21.0373	34.7878	4.2019
90.0	19.7120	34.7722	3.6893
100.0	18.4971	34.7431	3.5012
120.0	16.7148	34.6896	3.1216
140.0	14.5736	34.6289	2.8186
160.0	12.9691	34.5298	2.4100
180.0	12.0658	34.5285	2.0308
200.0	11.1013	34.5682	1.7393
220.0	10.6994	34.6168	1.2239
240.0	10.1492	34.6038	1.1853
260.0	9.9081	34.6326	1.0471
280.0	9.6298	34.6281	1.0170
300.0	9.5697	34.6428	0.9726
350.0	9.1380	34.6340	0.9363
400.0	8.8508	34.6244	0.9813
450.0	8.4511	34.6021	1.0418
500.0	8.1697	34.6001	1.0518
550.0	7.7433	34.5758	0.9845
600.0	7.3083	34.5564	0.9968
650.0	6.8792	34.5483	1.0445
700.0	6.4594	34.5461	0.9972
750.0	6.0558	34.5385	1.1536
800.0	5.6922	34.5310	1.3572
850.0	5.3970	34.5348	1.3515
900.0	5.1583	34.5368	1.4848
950.0	4.9041	34.5416	1.5427
1000.0	4.6555	34.5462	1.6185
1200.0	3.9311	34.5667	1.8669
1400.0	3.2015	34.5912	1.9995
1600.0	2.7685	34.6083	2.1957
1800.0	2.4870	34.6213	2.2886
2000.0	2.2152	34.6351	2.4330
2200.0	2.0465	34.6453	2.5912
2400.0	1.9331	34.6538	2.7438
2600.0	1.8348	34.6593	2.8639
2800.0	1.7646	34.6638	3.0129
3000.0	1.6996	34.6677	3.1148
3500.0	1.5227	34.6802	3.4698
4000.0	1.4450	34.6893	3.7381
4500.0	1.4065	34.6968	3.9495
5000.0	1.3892	34.7003	4.2346
5146.0	1.3957	34.7012	??.????

KH9105 October 22, 1991  
**C51** 09°00.10'N, 163°59.61'E

P(db)	T(°C)	S(psu)	0(ml/L)
10.0	29.7013	33.6866	4.3372
20.0	29.4650	33.6759	4.4180
30.0	29.4117	33.6951	4.4827
40.0	29.4125	33.7781	4.5915
50.0	29.0720	34.0169	4.6167
60.0	27.9517	34.2898	4.7049
70.0	25.9485	34.5847	4.7366
80.0	23.8985	34.7208	4.6770
90.0	21.7460	34.8544	4.5081
100.0	19.9340	34.8261	4.1036
120.0	16.4984	34.6646	3.2226
140.0	14.4329	34.5471	2.7824
160.0	12.5300	34.5285	2.2293
180.0	11.2782	34.4924	1.9139
200.0	10.9299	34.5134	1.6729
220.0	10.5561	34.5921	1.4313
240.0	10.3022	34.5997	1.2650
260.0	10.0102	34.6081	1.1168
280.0	9.6572	34.6116	0.9974
300.0	9.4583	34.6181	0.9176
350.0	8.9463	34.6079	0.9026
400.0	8.6158	34.6002	0.9997
450.0	8.1839	34.5780	1.0406
500.0	7.7389	34.5582	1.0402
550.0	7.3417	34.5467	1.0623
600.0	7.0701	34.5382	1.1761
650.0	6.8059	34.5323	1.2737
700.0	6.4132	34.5309	1.2024
750.0	6.0468	34.5301	1.2141
800.0	5.7115	34.5313	1.2828
850.0	5.4819	34.5312	1.2564
900.0	5.1591	34.5354	1.4270
950.0	4.8958	34.5428	1.4236
1000.0	4.6213	34.5475	1.4963
1200.0	3.8903	34.5673	1.7967
1400.0	3.2026	34.5869	2.0333
1600.0	2.8035	34.6032	2.1502
1800.0	2.4834	34.6194	2.2658
2000.0	2.2618	34.6317	2.3838
2200.0	2.0818	34.6444	2.4938
2400.0	1.9304	34.6533	2.6637
2600.0	1.8244	34.6594	2.7991
2800.0	1.7462	34.6645	2.9199
3000.0	1.6719	34.6693	3.0120
3500.0	1.5247	34.6805	3.4005
4000.0	1.4208	34.6904	3.7969
4466.0	1.3978	34.6969	??.????

KH9105 October 22, 1991  
**C52** 09°59.39'N, 164°30.34'E

P(db)	T(°C)	S(psu)	0(ml/L)
10.0	29.3087	33.7203	4.4593
20.0	29.2563	33.8472	4.4567
30.0	29.2728	33.8904	4.5420
40.0	29.1003	34.1255	4.6266
50.0	28.4430	34.2365	4.7009
60.0	27.7492	34.3355	4.7909
70.0	26.9511	34.4214	4.7472
80.0	24.6761	34.6305	4.6441
90.0	21.6168	34.8217	4.3586
100.0	20.3230	34.8313	4.0493
120.0	17.5010	34.7509	3.4944
140.0	15.0915	34.5547	2.9898
160.0	13.0544	34.4811	2.5202
180.0	11.8757	34.4698	2.1232
200.0	10.6923	34.4736	1.6092
220.0	10.4744	34.5454	1.1538
240.0	10.0508	34.5827	0.9304
260.0	9.8674	34.5972	0.7857
280.0	9.7512	34.6039	0.7948
300.0	9.4388	34.6154	0.8567
350.0	9.1243	34.6157	0.9743
400.0	8.5809	34.5938	1.0388
450.0	8.0841	34.5654	1.1008
500.0	7.6535	34.5494	1.1406
550.0	7.3078	34.5374	1.1370
600.0	6.9527	34.5358	1.1491
650.0	6.5769	34.5309	1.1606
700.0	6.2356	34.5272	1.2054
750.0	5.9397	34.5263	1.3009
800.0	5.5825	34.5269	1.3889
850.0	5.3455	34.5302	1.4300
900.0	5.0638	34.5330	1.5768
950.0	4.7334	34.5381	1.6716
1000.0	4.5497	34.5428	1.7148
1200.0	3.8236	34.5680	1.8390
1400.0	3.3300	34.5844	1.9524
1600.0	2.8446	34.6018	2.1173
1800.0	2.4866	34.6199	2.2365
2000.0	2.2821	34.6303	2.3588
2200.0	2.0808	34.6425	2.4963
2400.0	1.9556	34.6500	2.6575
2600.0	1.8573	34.6573	2.7664
2800.0	1.7873	34.6619	2.8637
3000.0	1.7175	34.6668	2.9678
3500.0	1.5166	34.6812	3.3676
3878.0	1.4290	34.6894	??.????

KH9105 C53		October 22, 1991 10°59.84'N, 164°59.77'E	
P(db)	T(°C)	S(psu)	O(ml/L)
10.0	29.3562	33.7610	4.6060
20.0	29.3562	33.7654	4.5785
30.0	29.3618	33.7792	4.6580
40.0	29.0731	34.0422	4.7259
50.0	28.8809	34.1540	4.7309
60.0	28.2887	34.2128	4.7888
70.0	27.8929	34.2796	4.8340
80.0	26.7746	34.4289	4.8643
90.0	25.2803	34.5515	4.8558
100.0	23.8366	34.6756	4.8487
120.0	20.5227	34.9059	4.2961
140.0	18.1681	34.7849	3.7640
160.0	16.6823	34.6737	3.4746
180.0	13.9296	34.4470	3.2317
200.0	12.5522	34.4686	2.6153
220.0	11.3694	34.4565	2.2790
240.0	10.5167	34.4714	1.8955
260.0	9.8551	34.4536	1.7559
280.0	9.7810	34.5135	1.5223
300.0	9.4315	34.5294	1.3550
350.0	8.8903	34.5610	1.2714
400.0	8.4352	34.5583	1.2568
450.0	7.9603	34.5432	1.2969
500.0	7.6196	34.5358	1.3712
550.0	7.1820	34.5259	1.4588
600.0	6.8060	34.5083	1.5391
650.0	6.4583	34.5109	1.5914
700.0	6.1267	34.5116	1.5951
750.0	5.8258	34.5183	1.5608
800.0	5.5478	34.5183	1.6117
850.0	5.3414	34.5222	1.6336
900.0	5.0855	34.5286	1.6333
950.0	4.8292	34.5335	1.6489
1000.0	4.6140	34.5409	1.6748
1200.0	3.7643	34.5651	1.6455
1400.0	3.1458	34.5852	1.9085
1600.0	2.7088	34.6031	2.0595
1800.0	2.3617	34.6224	2.2678
2000.0	2.1579	34.6359	2.4060
2200.0	2.0328	34.6439	2.5041
2400.0	1.9134	34.6530	2.6643
2600.0	1.8313	34.6581	2.7994
2800.0	1.7485	34.6637	2.8969
3000.0	1.6885	34.6679	3.0042
3500.0	1.5568	34.6786	3.3330
4000.0	1.4857	34.6865	3.6070
4500.0	1.3965	34.6976	4.0569
4735.0	1.3805	34.6997	??.????

KH9105 C54		October 23, 1991 11°29.14'N, 164°59.73'E	
P(db)	T(°C)	S(psu)	O(ml/L)
10.0	29.1608	33.9349	4.4931
20.0	29.1512	33.9388	4.4713
30.0	29.1702	34.0321	4.5156
40.0	29.0498	34.1005	4.5211
50.0	28.8684	34.2365	4.5882
60.0	28.3110	34.2559	4.6463
70.0	27.5603	34.3635	4.6662
80.0	26.6813	34.4497	4.7222
90.0	26.2532	34.5022	4.7153
100.0	24.5577	34.7715	4.6254
120.0	23.0753	34.9268	4.5436
140.0	20.3472	34.9488	4.1211
160.0	16.8299	34.7069	3.5927
180.0	14.4941	34.5197	3.2946
200.0	13.0392	34.4660	2.9070
220.0	11.9603	34.4553	2.5021
240.0	11.3198	34.4483	2.2619
260.0	10.4843	34.4481	1.9398
280.0	10.0848	34.5285	1.4669
300.0	9.4886	34.5309	1.3511
350.0	8.7813	34.5544	1.2301
400.0	8.1438	34.5274	1.2191
450.0	7.7407	34.5191	1.2959
500.0	7.2972	34.5110	1.4825
550.0	6.9962	34.5064	1.5408
600.0	6.6228	34.5068	1.5131
650.0	6.3139	34.5108	1.5663
700.0	5.9467	34.5124	1.5707
750.0	5.6866	34.5182	1.5834
800.0	5.4208	34.5192	1.4988
850.0	5.1309	34.5249	1.5393
900.0	4.9190	34.5309	1.4908
950.0	4.7254	34.5361	1.5031
1000.0	4.5416	34.5403	1.5886
1200.0	3.8351	34.5625	1.7626
1400.0	3.1290	34.5851	1.9023
1600.0	2.7017	34.6044	2.0657
1800.0	2.3957	34.6207	2.2629
2000.0	2.1684	34.6346	2.4460
2200.0	2.0319	34.6441	2.5296
2400.0	1.9144	34.6523	2.6647
2600.0	1.8245	34.6580	2.8031
2800.0	1.7787	34.6625	2.8666
3000.0	1.6877	34.6683	2.9916
3500.0	1.5549	34.6788	3.3092
4000.0	1.4725	34.6871	3.7403
4223.0	1.4528	34.6893	3.8293

KH9105 October 23, 1991  
**C55** 12°00.04'N, 164°59.20'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.1870	34.0241	4.5358
20.0	29.0591	34.0295	4.6086
30.0	29.0398	34.0332	4.5892
40.0	29.0199	34.0345	4.5890
50.0	28.4543	34.2390	4.6880
60.0	28.0523	34.3072	4.7054
70.0	27.7747	34.3226	4.6836
80.0	27.1296	34.5007	4.5581
90.0	26.4063	34.6501	4.6054
100.0	25.4498	34.5938	4.6240
120.0	22.7311	34.9380	4.3729
140.0	20.1874	34.9535	3.9167
160.0	16.7008	34.5816	3.3733
180.0	13.5750	34.4485	3.0283
200.0	12.4741	34.4135	2.6915
220.0	11.8088	34.4130	2.3004
240.0	11.3360	34.4362	2.0007
260.0	11.0096	34.4672	1.6192
280.0	10.5565	34.4585	1.3870
300.0	10.0295	34.4607	1.2110
350.0	9.1798	34.5328	1.1218
400.0	8.4609	34.5202	1.2041
450.0	7.8811	34.5153	1.2475
500.0	7.4557	34.5095	1.2507
550.0	7.1015	34.5090	1.2607
600.0	6.7317	34.5068	1.3244
650.0	6.4417	34.5073	1.4523
700.0	6.1743	34.5096	1.5107
750.0	5.7787	34.5178	1.4351
800.0	5.4199	34.5209	1.3934
850.0	5.1174	34.5281	1.4609
900.0	4.9345	34.5314	1.4973
950.0	4.6760	34.5381	1.4717
1000.0	4.5464	34.5416	1.4805
1200.0	3.8496	34.5609	1.6498
1400.0	3.1934	34.5813	1.8704
1600.0	2.8329	34.5967	2.0139
1800.0	2.4170	34.6184	2.2362
2000.0	2.2212	34.6311	2.4045
2200.0	2.0522	34.6415	2.5571
2400.0	1.8989	34.6519	2.7718
2526.0	1.8449	34.6564	2.8539

KH9105 October 23, 1991  
**C56** 12°29.71'N, 164°59.72'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.0616	34.1155	4.6199
20.0	28.9968	34.1104	4.6134
30.0	28.9545	34.1119	4.6662
40.0	28.9227	34.1445	4.6731
50.0	28.9420	34.1837	4.6950
60.0	28.7475	34.6272	5.0080
70.0	28.0415	34.8784	5.1180
80.0	27.2776	34.9201	5.1136
90.0	26.7716	34.9735	5.0793
100.0	26.2014	35.0074	4.7676
120.0	24.7834	35.1136	4.7179
140.0	21.8624	35.0031	4.4652
160.0	20.0297	34.9086	4.0819
180.0	17.8688	34.7741	3.7263
200.0	15.1462	34.5595	3.6742
220.0	13.4261	34.4309	3.8601
240.0	12.0141	34.3307	3.9023
260.0	11.1390	34.2893	3.7469
280.0	10.5595	34.2719	3.3897
300.0	10.2325	34.3273	2.7877
350.0	9.3120	34.5077	1.2717
400.0	8.5340	34.5128	1.2383
450.0	7.7659	34.4981	1.2647
500.0	7.4333	34.5080	1.3052
550.0	6.9224	34.5068	1.3712
600.0	6.5252	34.5062	1.4151
650.0	6.2470	34.5090	1.4051
700.0	5.9042	34.5136	1.4206
750.0	5.5943	34.5154	1.4669
800.0	5.3836	34.5189	1.5194
850.0	5.1307	34.5215	1.5739
900.0	5.0086	34.5259	1.5376
950.0	4.8049	34.5302	1.5594
1000.0	4.5661	34.5400	1.6481
1200.0	3.7709	34.5638	1.7806
1400.0	3.1243	34.5853	1.9150
1600.0	2.7570	34.6005	2.0909
1800.0	2.4736	34.6147	2.1803
2000.0	2.2258	34.6299	2.3580
2200.0	2.0358	34.6419	2.5010
2400.0	1.9272	34.6506	2.6732
2600.0	1.8535	34.6566	2.7855
2800.0	1.7830	34.6607	2.8935
3000.0	1.6843	34.6675	3.0481
3500.0	1.5387	34.6786	3.3424
4000.0	1.4804	34.6859	3.5924
4500.0	1.4382	34.6927	3.8684
5000.0	1.4133	34.6977	4.0782
5042.0	1.4113	34.6981	4.0905

KH9105      October 23, 1991  
**C57**            12°59.12'N, 164°59.66'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.9440	34.1717	4.4539
20.0	28.8720	34.1681	4.5576
30.0	28.8586	34.1692	4.5949
40.0	28.8436	34.1691	4.5295
50.0	28.8238	34.1689	4.5692
60.0	28.8003	34.1755	4.6385
70.0	28.6062	34.2922	4.6591
80.0	27.6460	34.6747	4.7804
90.0	27.1356	34.8991	4.8326
100.0	26.4453	34.9601	4.8163
120.0	25.2317	35.0365	4.7754
140.0	23.0562	34.9918	4.5144
160.0	21.1502	35.0153	4.1946
180.0	19.0050	34.8839	3.8974
200.0	17.2042	34.7897	3.8868
220.0	15.2162	34.5919	3.8741
240.0	13.8205	34.4701	3.8677
260.0	13.0484	34.4096	3.9240
280.0	11.9726	34.3340	3.9374
300.0	11.2211	34.2887	3.5058
350.0	9.8603	34.3727	2.1249
400.0	9.0865	34.4914	1.3805
450.0	7.9338	34.4577	1.3015
500.0	7.4925	34.4690	1.1878
550.0	6.8826	34.4775	1.1895
600.0	6.4740	34.4837	1.2894
650.0	6.2581	34.4871	1.4129
700.0	5.9425	34.4912	1.4856
750.0	5.6548	34.4949	1.5252
800.0	5.3748	34.5013	1.5083
850.0	5.1166	34.5102	1.4865
900.0	4.9058	34.5174	1.4881
950.0	4.6872	34.5258	1.5038
1000.0	4.3843	34.5351	1.5126
1200.0	3.6680	34.5642	1.6964
1400.0	3.1575	34.5842	1.9340
1600.0	2.7161	34.6031	2.1257
1800.0	2.4165	34.6166	2.2450
2000.0	2.1846	34.6295	2.3942
2200.0	2.0202	34.6409	2.5419
2400.0	1.9036	34.6488	2.6362
2600.0	1.8166	34.6573	2.8183
2800.0	1.7420	34.6625	2.9232
3000.0	1.6581	34.6683	3.0408
3500.0	1.5352	34.6789	3.2998
4000.0	1.4651	34.6871	3.6031
4500.0	1.4360	34.6926	3.8856
5000.0	1.4239	34.6971	4.0946
5204.0	1.4120	34.6985	4.1790

KH9105      October 23, 1991  
**C58**            13°59.46'N, 164°59.59'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.8998	34.1652	4.4728
20.0	28.9023	34.1655	4.4497
30.0	28.9032	34.1676	4.4739
40.0	28.9066	34.1780	4.4577
50.0	28.8749	34.1921	4.4639
60.0	28.5080	34.6224	4.7121
70.0	28.0678	34.8199	4.8272
80.0	27.3158	34.9140	4.8571
90.0	26.8594	34.9584	4.8199
100.0	26.6263	34.9641	4.7752
120.0	25.6402	35.0061	4.5495
140.0	23.8527	35.1486	4.4029
160.0	22.0108	35.0655	4.2204
180.0	20.4341	35.0024	4.0108
200.0	19.4975	34.9432	3.9170
220.0	17.6918	34.7867	3.8417
240.0	15.6246	34.6111	3.8246
260.0	14.2412	34.4847	3.6041
280.0	13.4555	34.4318	3.6406
300.0	12.2103	34.3431	3.5656
350.0	10.0833	34.2635	3.0515
400.0	8.8158	34.3434	1.8795
450.0	8.2480	34.4338	1.3340
500.0	7.4443	34.4390	1.0503
550.0	7.0696	34.4560	1.0453
600.0	6.6164	34.4690	1.1652
650.0	6.0839	34.4756	1.2146
700.0	5.8538	34.4840	1.2457
750.0	5.5624	34.4900	1.2792
800.0	5.3146	34.4970	1.3189
850.0	5.0938	34.5097	1.3509
900.0	4.8209	34.5154	1.3786
950.0	4.5752	34.5228	1.4164
1000.0	4.4127	34.5277	1.3807
1200.0	3.7680	34.5517	1.5951
1400.0	3.1582	34.5727	1.8337
1600.0	2.7272	34.5944	2.0366
1800.0	2.3878	34.6113	2.2197
2000.0	2.1558	34.6272	2.3882
2200.0	1.9991	34.6393	2.5539
2400.0	1.8727	34.6477	2.7273
2600.0	1.7613	34.6552	2.8473
2800.0	1.6849	34.6626	2.9867
3000.0	1.6270	34.6667	3.0933
3500.0	1.5182	34.6774	3.3184
4000.0	1.4667	34.6839	3.5936
4500.0	1.4315	34.6900	3.8725
5000.0	1.4129	34.6948	4.1150
5330.0	1.3906	34.6987	4.2996

KH9105 October 24, 1991  
**C59** 14°59.76'N, 164°59.94'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.9315	34.0726	4.3635
20.0	28.9083	34.0747	4.5109
30.0	28.8667	34.0746	4.5816
40.0	28.8605	34.0767	4.5388
50.0	28.8843	34.1306	4.6319
60.0	28.9155	34.2716	4.6504
70.0	28.3699	34.7607	4.8067
80.0	27.8053	34.9333	4.9188
90.0	26.9519	34.9963	4.8919
100.0	26.4740	35.0341	4.9162
120.0	25.2672	35.1283	4.7650
140.0	23.8574	35.1354	4.5112
160.0	22.8770	35.1455	4.3495
180.0	20.9229	35.0753	4.1376
200.0	19.9617	35.0151	4.0276
220.0	18.6752	34.9099	3.9983
240.0	16.8672	34.7580	4.0820
260.0	14.9341	34.5785	4.0597
280.0	12.9671	34.3924	4.0009
300.0	11.8594	34.3125	3.9231
350.0	9.7885	34.2000	3.5992
400.0	7.9933	34.1461	2.9383
450.0	7.2403	34.2185	2.1260
500.0	7.0624	34.3728	1.6058
550.0	6.7602	34.4131	1.2723
600.0	6.3340	34.4436	1.1294
650.0	6.0745	34.4593	1.1529
700.0	5.7756	34.4733	1.2119
750.0	5.5424	34.4866	1.2301
800.0	5.3229	34.4921	1.2817
850.0	5.0593	34.5023	1.3043
900.0	4.8474	34.5097	1.3413
950.0	4.6159	34.5179	1.3510
1000.0	4.3985	34.5258	1.4147
1200.0	3.6671	34.5520	1.6564
1400.0	3.0955	34.5735	1.8419
1600.0	2.6883	34.5924	2.0256
1800.0	2.3817	34.6088	2.2112
2000.0	2.1668	34.6255	2.3822
2200.0	1.9751	34.6387	2.5605
2400.0	1.8513	34.6469	2.7427
2600.0	1.7585	34.6571	2.8681
2800.0	1.7013	34.6613	2.9623
3000.0	1.6175	34.6675	3.0734
3500.0	1.5207	34.6771	3.3062
4000.0	1.4561	34.6848	3.6183
4500.0	1.4131	34.6916	3.9640
5000.0	1.3931	34.6957	4.2142
5238.0	1.3972	34.6970	4.3450

KH9105 October 24, 1991  
**C60** 16°00.16'N, 164°59.15'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.9521	34.2363	4.5464
20.0	28.9601	34.2376	4.6616
30.0	28.9654	34.2391	4.6061
40.0	28.9978	34.3786	4.5806
50.0	28.9050	34.8792	4.5939
60.0	28.6663	34.9293	4.7229
70.0	27.9862	34.9729	4.9776
80.0	27.2053	35.0057	5.0570
90.0	26.5375	35.0192	5.0173
100.0	25.6846	35.0241	4.7612
120.0	24.5747	35.0580	4.6666
140.0	23.4789	35.1762	4.4349
160.0	22.1711	35.1531	4.2611
180.0	20.8713	35.0952	4.1162
200.0	19.4919	34.9963	4.1266
220.0	18.5326	34.9326	4.1660
240.0	17.0390	34.7697	4.1094
260.0	15.7087	34.6364	4.0083
280.0	15.0370	34.5831	4.0425
300.0	13.9978	34.4933	4.0477
350.0	11.2298	34.2702	3.6596
400.0	9.3348	34.2052	2.8556
450.0	7.9585	34.1441	2.5295
500.0	7.0346	34.1954	1.7570
550.0	6.6598	34.3230	1.2655
600.0	6.2688	34.3582	1.1213
650.0	5.8860	34.4044	1.1833
700.0	5.6261	34.4358	1.3084
750.0	5.3269	34.4630	1.3893
800.0	5.0617	34.4783	1.4510
850.0	4.8422	34.4929	1.4999
900.0	4.6156	34.5046	1.5546
950.0	4.4397	34.5134	1.5627
1000.0	4.2408	34.5231	1.6020
1200.0	3.5580	34.5508	1.7488
1400.0	3.0813	34.5730	1.8588
1600.0	2.6584	34.5943	2.0161
1800.0	2.3555	34.6124	2.1967
2000.0	2.1182	34.6259	2.3638
2200.0	1.9662	34.6388	2.5041
2400.0	1.8246	34.6483	2.7076
2600.0	1.7294	34.6557	2.8136
2800.0	1.6610	34.6620	2.9460
3000.0	1.5974	34.6676	3.0629
3500.0	1.5053	34.6775	3.2887
4000.0	1.4468	34.6849	3.5981
4500.0	1.4213	34.6911	3.8785
5000.0	1.3973	34.6962	4.1267
5373.0	1.4035	34.6982	4.2373

KH9105 October 24, 1991  
**C61** 17°00.01'N, 164°59.61'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.8436	34.5077	4.5282
20.0	28.8453	34.5079	4.5859
30.0	28.8473	34.5076	4.5664
40.0	28.8501	34.5103	4.5701
50.0	28.8804	34.5396	4.6103
60.0	28.9779	34.9248	4.6060
70.0	28.6432	34.9760	4.7235
80.0	27.8025	34.9978	4.8378
90.0	27.2347	35.0139	4.8178
100.0	26.2652	35.0645	4.8148
120.0	25.4421	35.1262	4.6678
140.0	24.3216	35.2268	4.6184
160.0	23.4183	35.2212	4.4126
180.0	22.0013	35.1996	4.2198
200.0	20.9676	35.1278	4.1595
220.0	19.3975	35.0157	4.0939
240.0	18.6107	34.9401	4.0936
260.0	17.4837	34.8415	4.0673
280.0	16.3946	34.7394	4.2336
300.0	15.7935	34.6737	4.2281
350.0	13.0004	34.3926	3.7662
400.0	10.2676	34.2135	3.3503
450.0	8.5125	34.1429	3.0098
500.0	7.6427	34.2074	2.0503
550.0	6.7061	34.2709	1.6225
600.0	6.0284	34.2905	1.2443
650.0	5.9615	34.4108	1.1816
700.0	5.5844	34.4067	1.2958
750.0	5.3105	34.4421	1.3963
800.0	5.1056	34.4625	1.4579
850.0	4.8829	34.4804	1.4945
900.0	4.6802	34.4933	1.5200
950.0	4.4895	34.5049	1.5484
1000.0	4.3025	34.5136	1.5906
1200.0	3.6252	34.5432	1.7767
1400.0	3.0722	34.5630	1.9262
1600.0	2.6861	34.5872	2.0835
1800.0	2.3495	34.6034	2.2317
2000.0	2.1097	34.6203	2.3964
2200.0	1.9317	34.6357	2.5493
2400.0	1.8201	34.6470	2.7428
2600.0	1.7301	34.6545	2.8631
2800.0	1.6553	34.6611	2.9727
3000.0	1.5999	34.6669	3.0901
3500.0	1.5208	34.6759	3.2723
4000.0	1.4578	34.6842	3.5909
4500.0	1.4180	34.6908	3.8950
5000.0	1.3954	34.6957	4.1346
5415.0	1.4059	34.6982	4.3278

KH9105 October 25, 1991  
**C62** 17°59.93'N, 165°00.06'E

P(db)	T(°C)	S(psu)	O(ml/L)
10.0	28.9841	34.8075	3.2097
20.0	28.9416	34.8077	4.4752
30.0	28.8967	34.8109	4.8648
40.0	28.8840	34.8136	4.8534
50.0	27.8072	34.9595	4.8217
60.0	26.8035	35.0372	4.7333
70.0	26.4806	35.0671	4.5895
80.0	26.0829	35.0866	4.5370
90.0	25.6562	35.1142	4.5214
100.0	25.0680	35.1554	4.6666
120.0	24.1153	35.2044	4.7356
140.0	23.0077	35.2302	4.8519
160.0	21.5286	35.1659	4.7628
180.0	20.5804	35.1145	4.8410
200.0	18.9842	34.9656	4.8515
220.0	17.5031	34.8276	4.8301
240.0	16.4974	34.7356	4.6151
260.0	15.6804	34.6526	4.6323
280.0	14.7661	34.5669	4.4308
300.0	13.9179	34.4916	4.4727
350.0	12.0483	34.3382	4.1843
400.0	10.3904	34.2225	3.9860
450.0	9.0920	34.1588	3.6538
500.0	7.6643	34.1410	2.8454
550.0	7.0273	34.1840	1.9351
600.0	6.2044	34.1957	1.3057
650.0	5.7508	34.2724	1.2045
700.0	5.5128	34.3428	1.2831
750.0	5.3150	34.4039	1.3312
800.0	5.1063	34.4328	1.3995
850.0	4.8918	34.4650	1.4756
900.0	4.6244	34.4736	1.5338
950.0	4.4127	34.4938	1.6053
1000.0	4.2121	34.5058	1.6494
1200.0	3.4981	34.5392	1.8188
1400.0	2.9982	34.5669	1.9393
1600.0	2.6083	34.5837	2.0484
1800.0	2.3189	34.6031	2.2096
2000.0	2.1035	34.6210	2.3809
2200.0	1.9271	34.6352	2.5392
2400.0	1.8246	34.6446	2.6786
2600.0	1.7516	34.6522	2.7954
2800.0	1.6635	34.6587	2.9428
3000.0	1.6125	34.6650	3.0518
3500.0	1.5289	34.6758	3.3198
4000.0	1.4763	34.6830	3.5602
4500.0	1.4273	34.6908	3.8402
5000.0	1.3991	34.6967	4.1229
5447.0	1.4154	34.6981	4.2418



KH9105      October 25, 1991  
**C63**          18°30.32'N, 165°00.09'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.9000	34.8916	4.6040
20.0	28.8958	34.9056	4.5809
30.0	28.8278	35.0359	4.6916
40.0	28.7465	35.1260	4.7637
50.0	28.2717	35.1066	4.8583
60.0	26.5105	35.0768	5.1475
70.0	25.7059	35.1641	5.0621
80.0	24.9891	35.1914	5.0223
90.0	24.1293	35.2416	4.9882
100.0	23.1383	35.2527	4.8576
120.0	22.2347	35.2778	4.7409
140.0	20.9601	35.2017	4.6332
160.0	20.1217	35.0805	4.6479
180.0	18.8910	34.9777	4.5755
200.0	17.6734	34.8336	4.5884
220.0	17.0083	34.7866	4.5372
240.0	16.1817	34.6939	4.2996
260.0	15.5162	34.6477	4.4673
280.0	14.9270	34.5942	4.4892
300.0	14.0439	34.4877	4.4980
350.0	11.7875	34.3190	4.2940
400.0	10.1627	34.2146	3.7018
450.0	8.6287	34.1565	3.0401
500.0	7.7897	34.1611	2.4495
550.0	7.0360	34.1898	1.9332
600.0	5.9359	34.1787	1.5318
650.0	5.6845	34.2524	1.2963
700.0	5.4606	34.3343	1.2777
750.0	5.0774	34.3915	1.3761
800.0	4.7746	34.4264	1.4719
850.0	4.5677	34.4666	1.5946
900.0	4.3882	34.4841	1.6632
950.0	4.1687	34.5023	1.7190
1000.0	3.9727	34.5133	1.7390
1200.0	3.3112	34.5435	1.7932
1400.0	2.9409	34.5647	1.9301
1600.0	2.6235	34.5829	2.0306
1655.0	2.6008	34.5853	2.0672

KH9105      October 25, 1991  
**C64**          19°00.22'N, 164°59.68'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.8107	35.1187	4.6387
20.0	28.8099	35.1217	4.6629
30.0	28.8198	35.1226	4.7342
40.0	28.7780	35.1406	4.6994
50.0	26.9196	35.1351	5.1380
60.0	25.4238	35.2251	5.1412
70.0	23.7229	35.2679	5.0120
80.0	22.6863	35.2516	4.8176
90.0	22.2947	35.2395	4.8077
100.0	21.4756	35.2255	4.6543
120.0	20.0837	35.1000	4.6501
140.0	19.6500	35.0518	4.6789
160.0	18.3924	34.9097	4.7143
180.0	17.6199	34.8376	4.7682
200.0	17.1705	34.7804	4.8594
220.0	16.6910	34.7432	4.6943
240.0	16.2475	34.7030	4.7231
260.0	15.8573	34.6720	4.6546
280.0	15.1351	34.6038	4.5613
300.0	14.2333	34.5286	4.5848
350.0	12.2440	34.3592	4.4263
400.0	10.3745	34.2319	3.8352
450.0	9.0909	34.1705	3.7386
500.0	7.9330	34.1512	3.1368
550.0	7.0418	34.1699	2.3427
600.0	6.4066	34.2008	1.6643
650.0	5.5957	34.2246	1.3358
700.0	5.5251	34.3268	1.2709
750.0	5.2253	34.3680	1.2957
800.0	4.8563	34.4057	1.3552
850.0	4.6164	34.4396	1.4670
900.0	4.4899	34.4623	1.5458
950.0	4.2985	34.4759	1.5990
1000.0	4.0332	34.4995	1.6743
1200.0	3.4184	34.5433	1.8226
1400.0	2.9325	34.5652	1.9349
1600.0	2.5534	34.5869	2.0971
1800.0	2.2093	34.6078	2.2862
1842.0	2.1452	34.6135	2.3496

KH9105		October 25, 1991	
C65		19°30.53'N, 164°59.86'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.6862	35.1613	4.6058
20.0	28.6884	35.1615	4.6156
30.0	28.6907	35.1615	4.6380
40.0	28.6909	35.1618	4.6340
50.0	28.6902	35.2276	5.0602
60.0	24.3878	35.2929	5.1216
70.0	23.5737	35.2689	4.9168
80.0	22.7391	35.2533	4.7714
90.0	22.0745	35.2294	4.6695
100.0	21.6918	35.2146	4.6684
120.0	20.5314	35.1083	4.6548
140.0	19.5088	35.0465	4.5370
160.0	18.6319	34.9502	4.5552
180.0	17.7828	34.8599	4.5642
200.0	17.1432	34.7878	4.5859
220.0	16.4208	34.7201	4.5817
240.0	15.9524	34.6820	4.5586
260.0	14.8219	34.5802	4.3577
280.0	14.1370	34.5153	4.3599
300.0	13.5986	34.4680	4.3697
350.0	12.1062	34.3464	4.3248
400.0	10.3907	34.2293	3.7583
450.0	9.0474	34.1691	3.1019
500.0	7.9416	34.1469	2.4951
550.0	6.9566	34.1302	2.0333
600.0	6.0312	34.1496	1.6955
650.0	5.4561	34.1948	1.4607
700.0	5.1067	34.2602	1.3079
750.0	4.8529	34.3048	1.2197
800.0	4.6344	34.3350	1.1606
850.0	4.4779	34.3845	1.1939
900.0	4.3131	34.4494	1.3649
950.0	4.1213	34.4828	1.4897
1000.0	3.9534	34.4982	1.5668
1200.0	3.3990	34.5369	1.7569
1400.0	2.9057	34.5622	1.8797
1600.0	2.5564	34.5866	2.0125
1800.0	2.2842	34.6036	2.1697
2000.0	2.0745	34.6193	2.3338
2200.0	1.9070	34.6332	2.4831
2400.0	1.8050	34.6434	2.6291
2600.0	1.7088	34.6530	2.7653
2800.0	1.6347	34.6607	2.9122
3000.0	1.5914	34.6662	3.0280
3500.0	1.5168	34.6757	3.2679
3880.0	1.4397	34.6845	??

KH9105		October 25, 1991	
C66		20°00.84'N, 164°59.28'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.6108	35.0869	4.7855
20.0	28.6034	35.0871	4.8538
30.0	28.6046	35.0871	4.8926
40.0	28.6098	35.0868	4.9068
50.0	28.6012	35.0883	4.9209
60.0	26.5172	35.2335	5.3037
70.0	25.0659	35.2451	5.2695
80.0	23.3992	35.2307	4.9829
90.0	22.7950	35.2199	4.8566
100.0	22.0656	35.1899	4.7026
120.0	20.9487	35.1271	4.5561
140.0	19.9418	35.0502	4.4415
160.0	19.0845	34.9628	4.5015
180.0	18.3281	34.8935	4.4511
200.0	17.4060	34.8098	4.4990
220.0	16.6810	34.7440	4.5437
240.0	16.0301	34.6887	4.5473
260.0	15.4358	34.6364	4.5536
280.0	14.7211	34.5746	4.5928
300.0	13.9023	34.4975	4.5331
350.0	12.2918	34.3455	4.5733
400.0	10.7605	34.2455	4.4379
450.0	9.4971	34.1672	3.6408
500.0	8.3269	34.1582	2.6085
550.0	7.1179	34.1557	1.8937
600.0	6.2967	34.1546	1.5114
650.0	5.8027	34.1950	1.3323
700.0	5.2471	34.2412	1.2261
750.0	4.9544	34.2828	1.1242
800.0	4.6416	34.3364	1.0949
850.0	4.3972	34.3749	1.1120
900.0	4.1932	34.4250	1.2171
950.0	4.0421	34.4524	1.3242
1000.0	3.8693	34.4749	1.4303
1200.0	3.3267	34.5239	1.7057
1400.0	2.8885	34.5562	1.9366
1600.0	2.5564	34.5814	2.1065
1800.0	2.2720	34.6019	2.2761
2000.0	2.0385	34.6209	2.4478
2200.0	1.8823	34.6350	2.6030
2400.0	1.7689	34.6464	2.7653
2600.0	1.7152	34.6519	2.8682
2800.0	1.6377	34.6603	2.9895
3000.0	1.6050	34.6643	3.1001
3500.0	1.5210	34.6752	3.3612
4000.0	1.4653	34.6842	3.6670
4500.0	1.4372	34.6901	3.9090
5000.0	1.4179	34.6959	4.1069
5352.0	1.4482	34.6964	4.1535

KH9105 C67		October 26, 1991 20°30.65'N, 164°59.37'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.8873	35.1613	4.5043
20.0	28.8371	35.1600	4.5724
30.0	28.8223	35.1637	4.5991
40.0	27.5926	35.1745	4.8640
50.0	26.3535	35.2397	4.9644
60.0	25.2256	35.2625	4.9749
70.0	24.7834	35.2730	4.9290
80.0	23.6045	35.2707	4.9188
90.0	22.7949	35.2513	4.8241
100.0	22.4449	35.2551	4.7994
120.0	21.2176	35.2084	4.6958
140.0	20.1903	35.1124	4.5572
160.0	19.0635	35.0016	4.6644
180.0	18.3619	34.9210	4.7457
200.0	17.6934	34.8561	4.7401
220.0	16.7606	34.7400	4.8031
240.0	16.1935	34.7009	4.7319
260.0	15.5423	34.6475	4.6954
280.0	14.8170	34.5765	4.6203
300.0	14.1572	34.5211	4.6105
350.0	12.5842	34.3875	4.6285
400.0	10.9255	34.2601	4.4258
450.0	9.5704	34.1730	4.0275
500.0	8.4946	34.1242	3.4662
550.0	7.5686	34.1560	2.7890
600.0	6.8052	34.1639	2.1108
650.0	6.1339	34.1918	1.5656
700.0	5.5428	34.2299	1.2865
750.0	5.0725	34.2826	1.1303
800.0	4.7654	34.3235	1.0890
850.0	4.5797	34.3659	1.1102
900.0	4.3827	34.4057	1.1741
950.0	4.2079	34.4387	1.2477
1000.0	4.0582	34.4707	1.3537
1200.0	3.3440	34.5214	1.6284
1400.0	2.8492	34.5548	1.8619
1600.0	2.4498	34.5827	2.0782
1800.0	2.1436	34.6078	2.2772
2000.0	1.9772	34.6247	2.4398
2200.0	1.8574	34.6370	2.5818
2400.0	1.7704	34.6458	2.7104
2600.0	1.7052	34.6524	2.8360
2800.0	1.6387	34.6599	2.9737
3000.0	1.5938	34.6652	3.1069
3500.0	1.5078	34.6762	3.4277
4000.0	1.4630	34.6831	3.7036
4500.0	1.4300	34.6909	3.9665
5000.0	1.4241	34.6953	4.1261
5406.0	1.4508	34.6969	4.1227

KH9105 C68		October 26, 1991 21°00.49'N, 163°59.02'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.8159	35.1183	4.6944
20.0	28.8122	35.1174	4.7258
30.0	28.8153	35.1177	4.7331
40.0	28.8104	35.1180	4.7279
50.0	28.7839	35.1407	4.7501
60.0	28.4033	35.2248	4.9108
70.0	26.6275	35.2241	5.1758
80.0	25.3139	35.2691	5.2674
90.0	24.3707	35.2702	5.1981
100.0	23.8001	35.2638	5.1672
120.0	22.2804	35.2437	4.9151
140.0	21.0982	35.1795	4.7899
160.0	19.9837	35.0873	4.6492
180.0	18.8309	34.9701	4.6442
200.0	18.0158	34.8825	4.6675
220.0	17.4738	34.8223	4.6773
240.0	16.8275	34.7593	4.6521
260.0	16.2145	34.7052	4.6165
280.0	15.6309	34.6537	4.5924
300.0	15.0483	34.6007	4.5760
350.0	13.4012	34.4702	4.6440
400.0	11.6138	34.3083	4.6053
450.0	10.0328	34.1946	4.2727
500.0	8.7740	34.1229	3.7334
550.0	7.6192	34.0738	3.1318
600.0	6.4619	34.0876	2.5475
650.0	5.9606	34.1117	2.0490
700.0	5.3871	34.1813	1.6536
750.0	5.0574	34.2328	1.3643
800.0	4.8180	34.2911	1.1837
850.0	4.5702	34.3497	1.1145
900.0	4.3885	34.3919	1.1515
950.0	4.2451	34.4298	1.2526
1000.0	4.0892	34.4506	1.3664
1200.0	3.4518	34.5128	1.5813
1400.0	2.8567	34.5546	1.8533
1600.0	2.4524	34.5811	2.0598
1800.0	2.1850	34.6041	2.2680
2000.0	1.9863	34.6229	2.4376
2200.0	1.8372	34.6378	2.6016
2400.0	1.7496	34.6473	2.7614
2600.0	1.6927	34.6533	2.8718
2800.0	1.6396	34.6596	2.9913
3000.0	1.5976	34.6648	3.0942
3500.0	1.5288	34.6741	3.3325
4000.0	1.4675	34.6825	3.5693
4500.0	1.4470	34.6893	3.7872
5000.0	1.4626	34.6926	3.8843
5081.0	1.4628	34.6933	3.8869

KH9302		June 16, 1993	
C00		29°03.60'N, 158°33.30'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	21.4819	35.0159	5.2274
20.0	20.8874	35.0780	5.3263
30.0	20.2827	35.0548	5.3616
40.0	19.4419	34.9874	5.3484
50.0	19.0986	34.9639	5.3210
60.0	18.7339	34.9186	5.3070
70.0	18.3488	34.8854	5.3068
80.0	18.0535	34.8771	5.3140
90.0	17.9659	34.8713	5.3222
100.0	17.8667	34.8589	5.3248
120.0	17.6224	34.8455	5.2997
140.0	17.4972	34.8269	5.2383
160.0	17.3829	34.8112	5.1487
180.0	17.2190	34.8042	5.0390
200.0	17.1010	34.7950	4.9175
220.0	16.9713	34.7846	4.8240
240.0	16.7556	34.7674	4.7600
260.0	16.5942	34.7559	4.7135
280.0	16.3061	34.7368	4.7224
300.0	16.0949	34.7242	4.7122
350.0	15.2734	34.6445	4.5482
400.0	14.0299	34.5384	4.4344
450.0	12.8279	34.4531	4.4469
500.0	11.4189	34.3586	4.2214
550.0	10.1200	34.2785	4.0753
600.0	8.4767	34.1328	4.0281
650.0	6.7637	34.0381	3.7876
700.0	5.7644	34.0007	3.4742
750.0	5.0764	34.0167	3.0259
800.0	4.8450	34.0557	2.5553
850.0	4.7512	34.1411	2.1220
900.0	4.4086	34.1847	1.7392
950.0	4.1003	34.2239	1.4024
1000.0	3.9246	34.2544	1.2201
1200.0	3.2264	34.3756	0.7876
1400.0	2.7539	34.4612	0.8490
1600.0	2.4105	34.5269	1.1712
1800.0	2.1851	34.5669	1.5100
2000.0	2.0066	34.5954	1.8794
2200.0	1.8639	34.6177	2.1984
2400.0	1.7562	34.6345	2.5087
2600.0	1.6684	34.6454	2.6361
2800.0	1.6160	34.6539	2.8127
3000.0	1.5722	34.6607	2.9615
3500.0	1.4999	34.6722	3.1995
4000.0	1.4703	34.6801	3.4163
4500.0	1.4681	34.6861	3.5953
5000.0	1.4871	34.6900	3.8017
5500.0	1.5160	34.6934	3.9560
6000.0	1.5620	34.6954	4.0521
6050.0	1.5693	34.6950	4.0399

KH9302		June 17, 1993	
C01		26°59.20'N, 164°59.70'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	25.3440	35.3282	4.8871
20.0	24.4142	35.3764	4.9160
30.0	24.3617	35.3763	4.9985
40.0	23.8266	35.3626	5.1078
50.0	22.8823	35.3570	5.2005
60.0	22.3658	35.3407	5.2428
70.0	21.9777	35.3434	5.2405
80.0	21.8491	35.3477	5.2089
90.0	21.7240	35.3442	5.1635
100.0	21.5346	35.3283	5.1198
120.0	20.9226	35.2599	5.0747
140.0	19.6047	35.0818	5.0755
160.0	18.6096	34.9464	5.1002
180.0	17.8901	34.8846	5.1266
200.0	17.3337	34.8326	5.1326
220.0	17.0619	34.8141	5.1032
240.0	16.7144	34.7808	5.0455
260.0	16.4079	34.7505	4.9704
280.0	16.0677	34.7169	4.8891
300.0	15.5943	34.6688	4.8124
350.0	14.6026	34.5748	4.6808
400.0	13.3037	34.4638	4.6311
450.0	12.1718	34.3732	4.5857
500.0	10.8887	34.2752	4.4989
550.0	9.8822	34.2056	4.3707
600.0	8.6834	34.1315	4.1207
650.0	7.4399	34.0763	3.7348
700.0	6.5710	34.0611	3.1564
750.0	5.8078	34.0790	2.5594
800.0	5.2093	34.0953	2.1475
850.0	4.8221	34.1443	1.6840
900.0	4.5173	34.1908	1.3430
950.0	4.1369	34.2293	1.1357
1000.0	3.9091	34.2669	0.9799
1200.0	3.3530	34.4098	0.8725
1400.0	2.8034	34.4929	1.1195
1600.0	2.4632	34.5413	1.4251
1800.0	2.1910	34.5749	1.7282
2000.0	1.9867	34.6025	2.0229
2200.0	1.8626	34.6209	2.3047
2400.0	1.7658	34.6351	2.5120
2600.0	1.6937	34.6458	2.6846
2800.0	1.6239	34.6540	2.8332
3000.0	1.5783	34.6609	2.9555
3500.0	1.5089	34.6725	3.2194
4000.0	1.4799	34.6799	3.4362
4500.0	1.4695	34.6858	3.6490
5000.0	1.4762	34.6906	3.8388
5500.0	1.5060	34.6936	3.9750
5896.0	1.5127	34.6972	4.1577

KH9302 June 17, 1993  
**C02** 28°00.16'N, 164°59.07'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	22.9389	35.2263	5.1508
20.0	22.5177	35.2207	5.1851
30.0	21.1080	35.1414	5.2335
40.0	20.5815	35.1153	5.2895
50.0	20.3310	35.1025	5.3377
60.0	19.7652	35.0331	5.3659
70.0	19.4026	35.0287	5.3749
80.0	19.0076	34.9940	5.3679
90.0	18.6770	34.9612	5.3482
100.0	18.4049	34.9329	5.3191
120.0	17.9964	34.8947	5.2438
140.0	17.4051	34.8253	5.1556
160.0	17.1093	34.7939	5.0657
180.0	16.8987	34.7737	4.9850
200.0	16.6410	34.7641	4.9242
220.0	16.4656	34.7524	4.8674
240.0	16.2865	34.7366	4.8849
260.0	16.0020	34.7082	4.8683
280.0	15.6968	34.6774	4.8564
300.0	15.4703	34.6562	4.8348
350.0	14.4073	34.5555	4.7376
400.0	13.2600	34.4615	4.6766
450.0	12.0906	34.3844	4.6644
500.0	10.6305	34.2715	4.5740
550.0	9.4801	34.1912	4.3971
600.0	8.2810	34.1163	4.0945
650.0	7.1549	34.0570	3.7588
700.0	6.3724	34.0368	3.3415
750.0	5.5662	34.0408	2.8333
800.0	5.1386	34.0788	2.2260
850.0	4.7926	34.1161	1.8204
900.0	4.3635	34.1833	1.3654
950.0	4.0737	34.2328	1.0576
1000.0	3.8538	34.2806	0.9267
1200.0	3.2786	34.4018	0.8225
1400.0	2.6762	34.4748	0.8895
1600.0	2.3924	34.5302	1.2018
1800.0	2.1244	34.5662	1.4315
2000.0	1.9351	34.5989	1.8333
2200.0	1.7995	34.6225	2.2130
2400.0	1.7148	34.6368	2.4960
2600.0	1.6304	34.6501	2.7404
2800.0	1.5785	34.6582	2.9036
3000.0	1.5456	34.6639	3.0207
3500.0	1.4944	34.6738	3.2769
4000.0	1.4617	34.6814	3.4915
4500.0	1.4571	34.6868	3.6896
5000.0	1.4738	34.6910	3.8707
5500.0	1.5007	34.6942	4.0055
5669.0	1.5045	34.6954	4.0989

KH9302 June 18, 1993  
**C03** 29°00.04'N, 164°58.91'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	20.9244	35.0153	5.2679
20.0	20.8074	35.0134	5.2793
30.0	19.2748	34.9159	5.3824
40.0	18.5867	34.8324	5.5405
50.0	18.2702	34.8537	5.6640
60.0	17.9981	34.8433	5.6865
70.0	17.7121	34.8177	5.6262
80.0	17.4490	34.8012	5.5202
90.0	17.3461	34.7978	5.4053
100.0	17.3151	34.7986	5.3174
120.0	17.0748	34.7859	5.2951
140.0	16.9030	34.7863	5.3089
160.0	16.8753	34.7911	5.2913
180.0	16.8422	34.7881	5.2922
200.0	16.7621	34.7766	5.2564
220.0	16.5820	34.7526	5.1586
240.0	16.3313	34.7281	5.1026
260.0	16.1978	34.7149	5.0820
280.0	16.0442	34.7031	4.9884
300.0	15.7258	34.6715	4.9743
350.0	14.9861	34.6039	4.8253
400.0	13.8151	34.5194	4.7269
450.0	12.6977	34.4265	4.6081
500.0	11.6126	34.3551	4.5568
550.0	10.4377	34.2714	4.4233
600.0	9.2718	34.1784	4.2861
650.0	8.0013	34.1005	4.0198
700.0	6.9618	34.0528	3.7342
750.0	5.9536	34.0257	3.2344
800.0	5.2778	34.0384	2.7437
850.0	4.8179	34.0934	2.1691
900.0	4.5048	34.1408	1.6988
950.0	4.2457	34.1845	1.3428
1000.0	3.9573	34.2372	1.0955
1200.0	3.2886	34.3643	0.7891
1400.0	2.7882	34.4565	0.8349
1600.0	2.4276	34.5160	1.0685
1800.0	2.1783	34.5627	1.4571
2000.0	1.9611	34.5962	1.8515
2200.0	1.8341	34.6189	2.1948
2400.0	1.7321	34.6352	2.4745
2600.0	1.6572	34.6458	2.6576
2800.0	1.6051	34.6552	2.8716
3000.0	1.5612	34.6622	3.0069
3500.0	1.4992	34.6732	3.2552
4000.0	1.4665	34.6810	3.4665
4500.0	1.4659	34.6861	3.6673
5000.0	1.4826	34.6904	3.8287
5500.0	1.5183	34.6934	3.9568
5942.0	1.5454	34.6955	4.1918

KH9302		June 18, 1993	
C04		30°00.13'N, 164°59.16'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	21.5144	35.1600	5.1456
20.0	21.4478	35.1547	5.2010
30.0	20.4698	35.0743	5.2669
40.0	19.8599	35.0358	5.3325
50.0	19.5331	35.0213	5.3868
60.0	19.2678	35.0092	5.4230
70.0	19.1311	35.0052	5.4428
80.0	18.9616	34.9871	5.4490
90.0	18.5078	34.9098	5.4445
100.0	18.2598	34.8850	5.4321
120.0	17.8025	34.8280	5.3929
140.0	17.7041	34.8161	5.3453
160.0	17.5711	34.8041	5.3019
180.0	17.4238	34.7943	5.2749
200.0	17.2625	34.7851	5.2749
220.0	17.1810	34.7807	5.2578
240.0	17.0436	34.7754	5.2159
260.0	16.8248	34.7732	5.0446
280.0	16.6906	34.7691	4.9760
300.0	16.3431	34.7404	4.9612
350.0	15.8407	34.6890	4.9248
400.0	15.1107	34.6189	4.8373
450.0	14.0441	34.5281	4.7168
500.0	12.5973	34.4127	4.7364
550.0	11.5100	34.3592	4.5464
600.0	10.2488	34.2758	4.3163
650.0	8.5646	34.1374	4.2003
700.0	6.9637	34.0449	3.9044
750.0	6.2347	34.0172	3.5181
800.0	5.4068	34.0178	3.0212
850.0	4.8881	34.0585	2.4874
900.0	4.5670	34.1208	1.9329
950.0	4.3308	34.1674	1.6015
1000.0	4.1301	34.2010	1.3269
1200.0	3.2932	34.3564	0.8201
1400.0	2.7924	34.4464	0.8457
1600.0	2.4348	34.5063	1.0212
1800.0	2.2208	34.5496	1.2940
2000.0	2.0191	34.5849	1.6411
2200.0	1.8630	34.6107	2.0005
2400.0	1.7431	34.6307	2.3527
2600.0	1.6768	34.6420	2.5716
2800.0	1.6020	34.6541	2.8189
3000.0	1.5697	34.6615	2.9948
3500.0	1.5116	34.6715	3.2431
4000.0	1.4821	34.6785	3.4534
4500.0	1.4721	34.6846	3.6539
5000.0	1.4886	34.6885	3.8116
5500.0	1.5156	34.6918	3.9773
5998.0	1.5625	34.6936	4.5296

KH9302		June 18, 1993	
C05		30°29.91'N, 165°00.50'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	22.3602	35.2757	5.1576
20.0	22.3367	35.2732	5.1586
30.0	20.9942	35.1558	5.2547
40.0	19.9592	35.0544	5.4041
50.0	19.3934	35.0046	5.5355
60.0	19.2297	34.9958	5.6010
70.0	18.8985	34.9564	5.6091
80.0	18.5050	34.9158	5.5773
90.0	18.3899	34.9023	5.5228
100.0	17.9995	34.8540	5.4629
120.0	17.7657	34.8243	5.3362
140.0	17.6322	34.8118	5.2939
160.0	17.4751	34.7988	5.2784
180.0	17.3466	34.7908	5.2653
200.0	17.1861	34.7838	5.2768
220.0	17.0697	34.7790	5.2837
240.0	16.9364	34.7740	5.3079
260.0	16.8855	34.7807	5.2941
280.0	16.7267	34.7563	5.2440
300.0	16.5720	34.7454	5.1901
350.0	15.8750	34.6938	4.9927
400.0	15.1318	34.6225	4.9019
450.0	14.0098	34.5351	4.7358
500.0	12.8804	34.4380	4.7145
550.0	11.6723	34.3556	4.6487
600.0	10.4410	34.2806	4.4685
650.0	9.1192	34.1952	4.2303
700.0	7.6190	34.0783	4.0029
750.0	6.0358	34.0048	3.6786
800.0	5.2576	34.0170	3.0731
850.0	4.8869	34.0582	2.5085
900.0	4.6263	34.1075	2.0151
950.0	4.4153	34.1503	1.6386
1000.0	4.1834	34.1964	1.3266
1200.0	3.3356	34.3510	0.9241
1400.0	2.8299	34.4387	0.8979
1600.0	2.4830	34.5056	1.0234
1800.0	2.2182	34.5486	1.3156
2000.0	2.0056	34.5877	1.7539
2200.0	1.8650	34.6146	2.1606
2400.0	1.7631	34.6321	2.4415
2600.0	1.6888	34.6435	2.6708
2800.0	1.6312	34.6523	2.8258
3000.0	1.5884	34.6600	2.9889
3500.0	1.5025	34.6723	3.2375
4000.0	1.4784	34.6798	3.4454
4500.0	1.4750	34.6855	3.6603
5000.0	1.4820	34.6904	3.8677
5500.0	1.5062	34.6940	4.0156
5984.0	1.5536	34.6956	4.1390

KH9302 June 19, 1993  
**C06** 31°00.13'N, 165°00.12'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	21.9651	35.1893	5.2476
20.0	21.8980	35.1933	5.3149
30.0	20.9825	35.0353	5.3941
40.0	20.6498	35.0192	5.4742
50.0	19.8402	35.0577	5.5336
60.0	19.3243	34.9941	5.5582
70.0	19.0457	34.9640	5.5539
80.0	18.6433	34.9298	5.5298
90.0	18.1450	34.8688	5.4950
100.0	17.8535	34.8321	5.4584
120.0	17.5415	34.8033	5.4044
140.0	17.3308	34.7859	5.3719
160.0	17.1985	34.7807	5.3484
180.0	17.0485	34.7752	5.3219
200.0	16.9355	34.7722	5.2799
220.0	16.8383	34.7663	5.2148
240.0	16.6890	34.7535	5.1329
260.0	16.5106	34.7414	5.0426
280.0	16.4016	34.7389	4.9526
300.0	16.2389	34.7258	4.8729
350.0	15.5013	34.6550	4.7714
400.0	14.3592	34.5584	4.6505
450.0	13.1104	34.4727	4.6333
500.0	12.3438	34.4275	5.2227
550.0	11.1745	34.3443	4.3750
600.0	9.7800	34.2397	4.2406
650.0	8.3610	34.1337	4.0335
700.0	6.9986	34.0466	3.8407
750.0	5.8457	34.0000	3.4825
800.0	5.1541	34.0223	2.8874
850.0	4.8291	34.0676	2.4136
900.0	4.5746	34.1137	1.9601
950.0	4.3097	34.1750	1.5782
1000.0	4.0321	34.2262	1.2182
1200.0	3.2590	34.3659	0.9828
1400.0	2.8018	34.4469	0.8560
1600.0	2.4297	34.5084	1.0158
1800.0	2.1981	34.5579	1.4085
2000.0	2.0101	34.5910	1.7757
2200.0	1.8746	34.6126	2.0555
2400.0	1.7690	34.6272	2.2801
2600.0	1.6733	34.6414	2.5075
2800.0	1.6209	34.6511	2.7148
3000.0	1.5759	34.6588	2.8785
3500.0	1.5065	34.6719	3.1788
4000.0	1.4803	34.6799	3.4164
4500.0	1.4815	34.6851	3.5846
5000.0	1.4921	34.6898	3.7606
5500.0	1.5121	34.6937	3.9581
6000.0	1.5576	34.6959	4.0745
6171.0	1.5790	34.6962	4.0837

KH9302 June 19, 1993  
**C07** 31°59.43'N, 164°59.68'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	18.7281	34.9220	5.5369
20.0	18.5454	34.9046	5.5511
30.0	18.4317	34.8890	5.5609
40.0	18.0093	34.8765	5.5614
50.0	17.8708	34.8650	5.5481
60.0	17.6665	34.8420	5.5197
70.0	17.5629	34.8289	5.4813
80.0	17.5176	34.8259	5.4387
90.0	17.4679	34.8256	5.3979
100.0	17.3734	34.8165	5.3647
120.0	17.2760	34.8143	5.3366
140.0	17.1946	34.8054	5.2736
160.0	17.1457	34.8010	5.2668
180.0	17.0637	34.7968	5.2857
200.0	16.9691	34.7902	5.2153
220.0	16.8609	34.7804	5.1461
240.0	16.7652	34.7730	5.1345
260.0	16.6078	34.7565	5.1239
280.0	16.3934	34.7347	5.0155
300.0	16.1166	34.7111	4.9123
350.0	15.0875	34.6280	4.7606
400.0	14.0526	34.5700	5.3787
450.0	12.6869	34.4464	5.6570
500.0	12.0031	34.3974	5.6535
550.0	11.1535	34.3224	5.0396
600.0	9.7163	34.2004	4.8304
650.0	8.1065	34.0698	4.8341
700.0	6.8319	34.0076	4.2038
750.0	5.9337	34.0073	3.5707
800.0	5.2018	34.0234	2.9108
850.0	4.7628	34.0617	2.3481
900.0	4.5403	34.1118	1.9056
950.0	4.2633	34.1669	1.6111
1000.0	4.0418	34.2151	1.3350
1200.0	3.3604	34.3510	1.0277
1400.0	2.8485	34.4341	0.9437
1600.0	2.4807	34.4980	1.0145
1800.0	2.2337	34.5468	1.3003
2000.0	2.0721	34.5802	1.6310
2200.0	1.9051	34.6040	1.9166
2400.0	1.7750	34.6242	2.2768
2600.0	1.6949	34.6380	2.4748
2800.0	1.6261	34.6498	2.7198
3000.0	1.5839	34.6575	2.8909
3500.0	1.5153	34.6707	3.1961
4000.0	1.4876	34.6787	3.4455
4500.0	1.4839	34.6846	3.6278
5000.0	1.4942	34.6892	3.8528
5500.0	1.5128	34.6933	4.0150
6000.0	1.5554	34.6960	4.1414
6128.0	1.5715	34.6960	4.1693

KH9302		June 19, 1993	
C08		32°30.07'N, 165°00.30'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	18.2123	34.8844	5.5089
20.0	18.2145	34.8840	5.5049
30.0	18.2142	34.8837	5.5016
40.0	18.2104	34.8839	5.4942
50.0	18.1713	34.8808	5.4763
60.0	17.8917	34.8718	5.4442
70.0	17.6123	34.8363	5.4022
80.0	17.4306	34.8113	5.3561
90.0	17.3585	34.8039	5.3119
100.0	17.3218	34.8021	5.2730
120.0	17.2586	34.8110	5.2926
140.0	17.1597	34.8068	5.2856
160.0	17.0442	34.7962	5.2501
180.0	17.0177	34.8000	5.3038
200.0	16.9875	34.7974	5.3352
220.0	16.9605	34.7943	5.3138
240.0	16.8601	34.7819	5.2785
260.0	16.6940	34.7668	5.2101
280.0	16.4866	34.7466	5.0446
300.0	16.2083	34.7232	4.8752
350.0	15.2386	34.6362	4.6269
400.0	13.9165	34.5474	4.4855
450.0	12.6161	34.4378	4.6390
500.0	11.6201	34.3683	4.6732
550.0	10.3593	34.2561	4.9633
600.0	8.9308	34.1419	4.7277
650.0	7.4600	34.0557	4.3143
700.0	6.4757	34.0396	3.7544
750.0	5.3741	34.0202	3.1701
800.0	4.9681	34.0750	2.5187
850.0	4.5470	34.1072	1.9834
900.0	4.2628	34.1519	1.5607
950.0	4.0447	34.2181	1.2646
1000.0	3.6923	34.2300	1.0692
1200.0	3.2068	34.3670	0.9635
1400.0	2.7987	34.4430	1.0309
1600.0	2.4748	34.4935	1.0493
1800.0	2.2088	34.5454	1.2620
2000.0	2.0479	34.5789	1.6012
2200.0	1.8837	34.6043	1.9056
2400.0	1.7823	34.6252	2.2650
2600.0	1.6800	34.6407	2.5408
2800.0	1.6259	34.6507	2.7556
3000.0	1.5864	34.6583	2.9281
3500.0	1.5254	34.6702	3.2169
4000.0	1.4940	34.6788	3.4489
4500.0	1.4931	34.6842	3.6315
5000.0	1.5053	34.6888	3.8369
5500.0	1.5218	34.6935	4.0145
6000.0	1.5617	34.6960	4.1639
6346.0	1.6033	34.6969	4.2527

KH9302		June 20, 1993	
C09		33°00.47'N, 165°00.54'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	18.4348	34.8460	5.5410
20.0	18.4357	34.8456	5.5405
30.0	18.3526	34.8449	5.5407
40.0	18.2938	34.8434	5.5384
50.0	18.2565	34.8392	5.5297
60.0	18.2090	34.8376	5.5117
70.0	18.0896	34.8400	5.4861
80.0	18.0032	34.8396	5.4560
90.0	17.9820	34.8389	5.4244
100.0	17.9459	34.8378	5.3929
120.0	17.7758	34.8295	5.2367
140.0	17.5727	34.8203	5.1810
160.0	17.3057	34.8104	5.1564
180.0	17.1304	34.8031	5.1046
200.0	16.8001	34.7676	4.9912
220.0	16.4501	34.7387	4.8794
240.0	16.0396	34.7176	4.8672
260.0	15.6904	34.6860	4.8147
280.0	14.9009	34.6213	4.8314
300.0	14.6656	34.6197	4.9991
350.0	13.6109	34.5377	4.9796
400.0	12.4867	34.4359	5.1614
450.0	11.1273	34.3298	4.6679
500.0	9.6472	34.2158	4.5339
550.0	8.2687	34.0757	5.2383
600.0	7.0965	34.0273	4.5201
650.0	6.1446	34.0087	3.7445
700.0	5.2334	34.0132	3.1099
750.0	4.9664	34.0468	2.6080
800.0	4.5603	34.1051	2.0623
850.0	4.2571	34.1560	1.6191
900.0	4.0974	34.2071	1.3802
950.0	3.8807	34.2362	1.2599
1000.0	3.6176	34.2633	1.0872
1200.0	3.1452	34.3837	0.9270
1400.0	2.7205	34.4538	1.0139
1600.0	2.4035	34.5021	0.9897
1800.0	2.2031	34.5491	1.3089
2000.0	2.0237	34.5815	1.5995
2200.0	1.8872	34.6046	1.9099
2400.0	1.7773	34.6243	2.2253
2600.0	1.6952	34.6388	2.5196
2800.0	1.6404	34.6486	2.7181
3000.0	1.5942	34.6571	2.9057
3500.0	1.5205	34.6700	3.1943
4000.0	1.4916	34.6786	3.4395
4500.0	1.4900	34.6844	3.6322
5000.0	1.5014	34.6890	3.8418
5500.0	1.5241	34.6929	4.0097
6000.0	1.5637	34.6954	4.1388
6367.0	1.6096	34.6964	4.2142



KH9302 June 21, 1993  
**C10** 34°03.26'N, 164°59.16'E

P(db)	T(°C)	S(psu)	0(ml/l)
10.0	16.7465	34.7325	5.7419
20.0	16.7357	34.7314	5.7414
30.0	16.0607	34.6672	5.7514
40.0	15.3778	34.5724	5.7775
50.0	15.4892	34.6567	5.8240
60.0	15.3379	34.6493	5.8837
70.0	14.7372	34.6002	5.9052
80.0	14.2969	34.5712	5.8290
90.0	13.9033	34.5361	5.6859
100.0	13.7553	34.5104	5.5875
120.0	13.4002	34.4711	5.5339
140.0	13.0339	34.4491	5.5560
160.0	12.6580	34.4316	5.5297
180.0	12.4874	34.4232	5.4645
200.0	12.1839	34.4023	5.4423
220.0	12.0022	34.3914	5.4976
240.0	11.5579	34.3616	5.4889
260.0	11.3595	34.3442	5.1990
280.0	10.8867	34.3048	5.0082
300.0	10.2896	34.2526	5.0844
350.0	8.6780	34.1155	5.1502
400.0	7.8154	34.0700	4.3315
450.0	6.5293	34.0088	3.9311
500.0	5.6619	33.9903	3.5274
550.0	4.9003	33.9845	2.9660
600.0	4.6496	34.0369	2.4606
650.0	4.4228	34.1117	1.9565
700.0	4.2682	34.1597	1.6335
750.0	4.0183	34.1965	1.4144
800.0	3.9039	34.2375	1.2483
850.0	3.5683	34.2711	1.0954
900.0	3.5176	34.3144	1.0817
950.0	3.3427	34.3446	0.9840
1000.0	3.2256	34.3633	0.9603
1200.0	2.7867	34.4377	0.8988
1400.0	2.4979	34.4930	0.9984
1600.0	2.2603	34.5391	1.2194
1800.0	2.0575	34.5702	1.4913
2000.0	1.8948	34.6008	1.8625
2200.0	1.7897	34.6213	2.1861
2400.0	1.6921	34.6376	2.5043
2600.0	1.6227	34.6494	2.7330
2800.0	1.5813	34.6579	2.9409
3000.0	1.5565	34.6625	3.0403
3004.0	1.5573	34.6622	3.0463

KH9302 June 22, 1993  
**C11** 34°59.79'N, 165°00.86'E

P(db)	T(°C)	S(psu)	0(ml/l)
10.0	15.7533	34.4995	6.1982
20.0	15.5454	34.5046	6.0969
30.0	15.4048	34.5164	5.9866
40.0	14.7127	34.5355	5.8781
50.0	14.3071	34.5167	5.7819
60.0	14.0278	34.5097	5.7029
70.0	13.6318	34.4862	5.6345
80.0	13.2291	34.4695	5.5687
90.0	12.7848	34.4468	5.4978
100.0	12.5314	34.4339	5.4138
120.0	12.2648	34.4199	5.3316
140.0	12.0749	34.4106	5.3062
160.0	11.8583	34.3891	5.1827
180.0	11.5267	34.3623	5.0074
200.0	11.0884	34.3214	4.9729
220.0	10.7045	34.2953	4.7750
240.0	10.1452	34.2499	4.5761
260.0	9.6381	34.2057	4.6334
280.0	9.3195	34.1839	4.8383
300.0	8.8633	34.1414	5.0669
350.0	7.6203	34.0769	4.4102
400.0	6.2158	33.9985	3.8174
450.0	5.4638	34.0049	3.3206
500.0	5.0033	34.0333	2.8159
550.0	4.8207	34.0785	2.3791
600.0	4.5534	34.1255	1.9936
650.0	4.5033	34.2085	1.7041
700.0	4.2826	34.2455	1.5121
750.0	3.7491	34.2352	1.2485
800.0	3.6787	34.2800	1.0679
850.0	3.5258	34.3116	0.9751
900.0	3.3721	34.3349	0.9038
950.0	3.2499	34.3615	0.9394
1000.0	3.1125	34.3826	0.9231
1200.0	2.6994	34.4533	0.7981
1400.0	2.4151	34.5114	1.0155
1600.0	2.1696	34.5469	1.2533
1800.0	2.0063	34.5785	1.5364
2000.0	1.8568	34.6062	1.8829
2200.0	1.7460	34.6256	2.1989
2400.0	1.6660	34.6388	2.4497
2600.0	1.6173	34.6478	2.6311
2800.0	1.5605	34.6564	2.7995
3000.0	1.5219	34.6634	2.9752
3500.0	1.4732	34.6743	3.2236
4000.0	1.4581	34.6815	3.4502
4500.0	1.4625	34.6866	3.6166
5000.0	1.4749	34.6909	3.8482
5500.0	1.5008	34.6944	3.9984
6000.0	1.5506	34.6963	4.0916
6014.0	1.5526	34.6963	4.0953

KH9302		June 22, 1993	
C12		35°59.53'N, 165°00.45'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	13.7899	34.3725	6.1154
20.0	13.5977	34.3843	6.1238
30.0	13.6276	34.3811	6.1348
40.0	13.3797	34.3923	6.1457
50.0	13.1300	34.3976	6.1541
60.0	12.8246	34.3932	6.1574
70.0	12.3988	34.3853	6.1530
80.0	12.3090	34.3789	6.1384
90.0	12.2548	34.3736	6.1111
100.0	12.2377	34.3748	6.0685
120.0	12.1886	34.3794	5.9399
140.0	12.0240	34.3671	5.9441
160.0	11.8537	34.3620	5.9454
180.0	11.7613	34.3624	5.8504
200.0	11.6535	34.3539	5.7746
220.0	11.5418	34.3466	5.7349
240.0	11.4438	34.3433	5.7504
260.0	11.2346	34.3231	5.6890
280.0	10.9986	34.3078	5.6456
300.0	10.6076	34.2665	5.4537
350.0	9.5936	34.1817	5.1928
400.0	8.4797	34.0818	4.9878
450.0	7.3406	34.0310	4.2701
500.0	6.4026	34.0157	3.6667
550.0	5.5159	33.9968	3.1837
600.0	4.8880	33.9984	2.7897
650.0	4.6766	34.0695	2.3062
700.0	4.5069	34.1005	1.9670
750.0	4.2931	34.1469	1.6433
800.0	4.1354	34.1946	1.3782
850.0	3.9028	34.2357	1.1655
900.0	3.7445	34.2682	1.0435
950.0	3.5694	34.2996	0.9665
1000.0	3.4320	34.3287	0.9291
1200.0	2.9461	34.4133	0.8685
1400.0	2.5733	34.4747	0.8960
1600.0	2.3292	34.5204	1.0790
1800.0	2.1255	34.5572	1.3376
2000.0	1.9734	34.5854	1.6381
2200.0	1.8369	34.6097	1.9760
2400.0	1.7262	34.6292	2.2670
2600.0	1.6643	34.6409	2.5044
2800.0	1.6028	34.6502	2.6816
3000.0	1.5524	34.6590	2.8745
3500.0	1.4874	34.6724	3.2006
4000.0	1.4641	34.6803	3.4470
4500.0	1.4764	34.6852	3.5816
5000.0	1.5095	34.6882	3.6988
5500.0	1.5134	34.6933	3.9815
5597.0	1.5163	34.6940	4.0232

KH9302		June 23, 1993	
C13		36°59.55'N, 164°58.91'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	13.2823	34.4238	6.2007
20.0	13.2859	34.4241	6.1834
30.0	13.2862	34.4238	6.1576
40.0	13.2855	34.4239	6.1257
50.0	13.2905	34.4239	6.0904
60.0	13.2915	34.4238	6.0540
70.0	13.2924	34.4237	6.0190
80.0	13.2840	34.4242	5.9880
90.0	12.9698	34.4514	5.9515
100.0	12.9098	34.4527	5.8853
120.0	12.7456	34.4384	5.8560
140.0	12.6114	34.4307	5.8525
160.0	12.4499	34.4206	5.8289
180.0	12.3491	34.4252	5.8205
200.0	12.2787	34.4199	5.8256
220.0	12.2158	34.4146	5.8294
240.0	12.1933	34.4149	5.8175
260.0	12.1627	34.4141	5.7727
280.0	12.0880	34.4059	5.7267
300.0	11.9825	34.3963	5.6822
350.0	11.5407	34.3525	5.5103
400.0	10.7205	34.2761	5.2866
450.0	9.6536	34.1785	5.0348
500.0	8.6623	34.1219	4.6549
550.0	7.4619	34.0526	4.2315
600.0	6.7414	34.0323	3.8369
650.0	5.8363	33.9967	3.4579
700.0	5.2500	33.9952	3.0298
750.0	4.8278	34.0480	2.4645
800.0	4.5609	34.0864	2.0594
850.0	4.4288	34.1230	1.7670
900.0	4.2389	34.1661	1.5408
950.0	4.0830	34.2035	1.3170
1000.0	3.8513	34.2344	1.1675
1200.0	3.1864	34.3639	0.9220
1400.0	2.7621	34.4411	0.7541
1600.0	2.4768	34.4934	0.9129
1800.0	2.2379	34.5351	1.1523
2000.0	2.0646	34.5676	1.4069
2200.0	1.9355	34.5927	1.6978
2400.0	1.7907	34.6181	2.0626
2600.0	1.6872	34.6358	2.3647
2800.0	1.6214	34.6474	2.5977
3000.0	1.5699	34.6565	2.7934
3500.0	1.4972	34.6713	3.1513
4000.0	1.4578	34.6813	3.4381
4410.0	1.4728	34.6845	3.5353

KH9302 June 24, 1993  
**C14** 38°59.32'N, 165°00.57'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	10.4696	34.2083	6.4342
20.0	10.4669	34.2081	6.4224
30.0	10.4673	34.2084	6.4112
40.0	10.4688	34.2087	6.4001
50.0	10.4700	34.2090	6.3883
60.0	10.4691	34.2089	6.3753
70.0	10.4674	34.2087	6.3597
80.0	10.3835	34.2047	6.3399
90.0	9.9975	34.1808	6.3146
100.0	9.8580	34.1654	6.2821
120.0	9.4363	34.1270	6.1918
140.0	8.6153	34.0380	6.0667
160.0	8.0667	33.9902	5.9062
180.0	7.8534	33.9759	5.7099
200.0	7.2151	33.9160	5.5410
220.0	7.0671	33.9372	5.1447
240.0	6.8224	33.9212	4.8960
260.0	6.4613	33.9182	4.6683
280.0	5.8544	33.8832	4.4105
300.0	5.4625	33.8889	4.0967
350.0	5.0049	33.9260	3.3496
400.0	4.4643	33.9311	2.9057
450.0	4.1652	33.9769	2.4410
500.0	4.3614	34.0575	2.0451
550.0	4.1718	34.1235	1.7190
600.0	4.0749	34.1774	1.4362
650.0	3.9708	34.2125	1.2849
700.0	3.7914	34.2322	1.1842
750.0	3.5623	34.2741	1.0606
800.0	3.4543	34.2964	1.0177
850.0	3.3496	34.3313	0.9843
900.0	3.2455	34.3493	0.9659
950.0	3.1109	34.3768	0.9628
1000.0	3.0104	34.3936	0.9161
1200.0	2.6351	34.4482	0.9460
1400.0	2.3914	34.4988	1.0103
1600.0	2.2001	34.5350	1.1829
1800.0	2.0471	34.5647	1.4154
2000.0	1.8945	34.5950	1.7291
2200.0	1.7960	34.6140	2.0246
2400.0	1.6939	34.6324	2.3204
2600.0	1.6452	34.6419	2.5104
2800.0	1.5779	34.6535	2.7371
3000.0	1.5376	34.6607	2.8993
3500.0	1.4728	34.6740	3.2350
4000.0	1.4534	34.6815	3.4728
4500.0	1.4706	34.6859	3.5853
5000.0	1.5098	34.6885	3.6697
5447.0	1.5663	34.6888	3.7275

KH9302 June 24, 1993  
**C15** 41°01.21'N, 165°00.96'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	6.7628	33.4523	7.2116
20.0	7.1212	33.5373	7.2185
30.0	7.3024	33.5790	7.2049
40.0	7.4735	33.6227	7.1717
50.0	7.3187	33.6195	7.1271
60.0	6.4299	33.5705	7.0691
70.0	7.0188	33.6919	6.9791
80.0	7.3141	33.7571	6.7792
90.0	7.4992	33.8107	6.6296
100.0	6.7283	33.6907	6.7013
120.0	6.7645	33.7683	6.4787
140.0	5.7831	33.6812	6.4949
160.0	5.6459	33.6785	6.3459
180.0	5.2036	33.6420	6.1845
200.0	5.8183	33.8005	5.3918
220.0	5.0080	33.7707	4.8663
240.0	4.9638	33.8111	4.3296
260.0	4.6742	33.8159	4.0017
280.0	4.7080	33.8490	3.6998
300.0	4.3974	33.8465	3.4508
350.0	4.0870	33.8753	2.9277
400.0	4.0698	33.9437	2.4535
450.0	3.9376	33.9995	2.0047
500.0	3.9277	34.0778	1.6073
550.0	3.9290	34.1313	1.4472
600.0	3.8875	34.1913	1.2868
650.0	3.7623	34.2259	1.1608
700.0	3.6204	34.2601	1.0763
750.0	3.5327	34.2848	1.0229
800.0	3.4072	34.3134	0.9841
850.0	3.2819	34.3381	0.9403
900.0	3.1548	34.3605	0.9042
950.0	3.0359	34.3826	0.8892
1000.0	2.9486	34.3996	0.8816
1200.0	2.6182	34.4545	0.8728
1400.0	2.3546	34.4991	0.9888
1600.0	2.1744	34.5363	1.2003
1800.0	2.0196	34.5700	1.4789
2000.0	1.8899	34.5965	1.7516
2200.0	1.7859	34.6165	2.0533
2400.0	1.6971	34.6329	2.3362
2600.0	1.6212	34.6461	2.5845
2800.0	1.5741	34.6547	2.7871
3000.0	1.5319	34.6618	2.9381
3500.0	1.4717	34.6743	3.2518
4000.0	1.4556	34.6816	3.4566
4500.0	1.4711	34.6859	3.5995
5000.0	1.5138	34.6881	3.6682
5379.0	1.5577	34.6885	3.7265

KH9302 June 24, 1993  
**C16** 42°00.97'N, 164°59.94'E

P(db)	T(°C)	S(psu)	0(ml/l)
10.0	4.7509	33.1790	7.2329
20.0	4.6954	33.1876	7.2340
30.0	4.6417	33.1963	7.2327
40.0	4.5670	33.2229	7.2265
50.0	4.3172	33.2424	7.2131
60.0	4.1960	33.2467	7.1899
70.0	3.9911	33.2394	7.1543
80.0	3.7243	33.2240	7.1040
90.0	3.5926	33.2334	7.0364
100.0	3.4652	33.2488	6.9490
120.0	3.2052	33.2797	6.7067
140.0	3.3434	33.4019	6.0995
160.0	3.4460	33.5267	5.2290
180.0	3.5468	33.6564	4.3711
200.0	3.5431	33.6807	3.8521
220.0	3.5731	33.7311	3.4092
240.0	3.5024	33.7537	3.0936
260.0	3.3943	33.7598	2.8397
280.0	3.3661	33.7887	2.5746
300.0	3.3779	33.8350	2.2900
350.0	3.4146	33.9259	1.7164
400.0	3.4760	34.0014	1.3138
450.0	3.4671	34.0816	1.0893
500.0	3.4270	34.1327	0.9437
550.0	3.3988	34.1682	0.9049
600.0	3.2399	34.2014	0.7894
650.0	3.1531	34.2390	0.7531
700.0	3.2237	34.2887	0.8195
750.0	3.1147	34.3204	0.8564
800.0	2.9957	34.3400	0.8462
850.0	2.9141	34.3540	0.8262
900.0	2.8840	34.3769	0.8538
950.0	2.8339	34.3966	0.8678
1000.0	2.7864	34.4149	0.8824
1200.0	2.4569	34.4649	0.9149
1400.0	2.2851	34.5077	1.0719
1600.0	2.1296	34.5397	1.2173
1800.0	1.9931	34.5704	1.4360
2000.0	1.8764	34.5965	1.7504
2200.0	1.7737	34.6186	2.0772
2400.0	1.6955	34.6332	2.3402
2600.0	1.6308	34.6452	2.5693
2800.0	1.5774	34.6544	2.7867
3000.0	1.5431	34.6611	2.9299
3500.0	1.4669	34.6750	3.2878
4000.0	1.4479	34.6825	3.4994
4500.0	1.4684	34.6865	3.6115
5000.0	1.5179	34.6881	3.6721
5045.0	1.5236	34.6878	3.6701

KH9302 June 25, 1993  
**C17** 44°00.12'N, 164°57.47'E

P(db)	T(°C)	S(psu)	0(ml/l)
10.0	5.4760	33.4635	7.3260
20.0	5.4681	33.4699	7.2966
30.0	5.4667	33.4706	7.2456
40.0	5.4152	33.4826	7.1878
50.0	5.4331	33.5135	7.1381
60.0	5.4989	33.5595	7.1053
70.0	5.4779	33.5624	7.0821
80.0	5.4754	33.5644	7.0583
90.0	5.4159	33.5642	7.0240
100.0	5.4094	33.5664	6.9690
120.0	5.2790	33.5619	6.8832
140.0	5.4492	33.6057	6.7061
160.0	4.8337	33.5701	6.6519
180.0	4.7546	33.5869	6.4796
200.0	4.7461	33.6263	6.0415
220.0	4.8264	33.7141	5.2635
240.0	4.5528	33.7334	4.5671
260.0	4.3642	33.7634	4.0288
280.0	4.0536	33.7672	3.7216
300.0	3.8904	33.7814	3.3947
350.0	3.9118	33.8785	2.7532
400.0	3.9294	33.9460	2.2434
450.0	3.9058	34.0105	1.8697
500.0	3.8610	34.0652	1.5663
550.0	3.8665	34.1217	1.4194
600.0	3.7665	34.1724	1.2159
650.0	3.6656	34.2072	1.0995
700.0	3.6127	34.2580	1.0506
750.0	3.4912	34.2894	0.9906
800.0	3.3301	34.3104	0.9414
850.0	3.2041	34.3243	0.8995
900.0	3.0300	34.3312	0.8192
950.0	2.9649	34.3589	0.8331
1000.0	2.8727	34.3806	0.8380
1200.0	2.5698	34.4453	0.8843
1400.0	2.3928	34.4949	1.0482
1600.0	2.2204	34.5329	1.2453
1800.0	2.0859	34.5627	1.4574
2000.0	1.9619	34.5871	1.6839
2200.0	1.8580	34.6071	1.9437
2400.0	1.7746	34.6225	2.2042
2600.0	1.7021	34.6356	2.4107
2800.0	1.6444	34.6456	2.6150
3000.0	1.5929	34.6545	2.7944
3500.0	1.5221	34.6686	3.1433
4000.0	1.4908	34.6776	3.3934
4500.0	1.4909	34.6835	3.5846
5000.0	1.5201	34.6870	3.6944
5500.0	1.5680	34.6892	3.7659
5784.0	1.6010	34.6898	3.8009

KH9302 June 25, 1993  
**C18** 45°00.09'N, 164°59.53'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	5.0332	33.4357	7.3592
20.0	5.0313	33.4353	7.3397
30.0	5.0319	33.4354	7.3138
40.0	5.0316	33.4354	7.2891
50.0	5.0111	33.4346	7.2783
60.0	4.8831	33.4297	7.2874
70.0	4.8407	33.4266	7.3067
80.0	4.7872	33.4248	7.3235
90.0	4.6655	33.4185	7.3253
100.0	4.5941	33.4145	7.2995
120.0	4.4274	33.4126	7.1332
140.0	4.4879	33.4906	6.8198
160.0	4.4496	33.5514	6.3740
180.0	4.3812	33.6137	5.8106
200.0	4.1108	33.6387	5.1446
220.0	3.8152	33.6796	4.5090
240.0	3.6055	33.6834	4.0129
260.0	3.6186	33.7239	3.6269
280.0	3.6836	33.7623	3.2615
300.0	3.7469	33.8123	2.9110
350.0	3.6964	33.8928	2.2264
400.0	3.6984	33.9613	1.7425
450.0	3.6632	34.0214	1.4294
500.0	3.5969	34.0689	1.2382
550.0	3.4749	34.1093	1.1586
600.0	3.4110	34.1407	0.9817
650.0	3.4133	34.1906	0.9218
700.0	3.2984	34.2240	0.8225
750.0	3.2323	34.2556	0.7853
800.0	3.1429	34.2747	0.7308
850.0	3.1149	34.3098	0.7475
900.0	3.0088	34.3333	0.7447
950.0	2.9134	34.3513	0.6962
1000.0	2.8375	34.3652	0.7707
1200.0	2.5749	34.4310	0.8165
1400.0	2.3746	34.4780	0.9607
1600.0	2.2180	34.5181	1.1125
1800.0	2.0870	34.5523	1.3345
2000.0	1.9622	34.5818	1.6177
2200.0	1.8609	34.6038	1.8830
2400.0	1.7641	34.6220	2.1417
2600.0	1.6927	34.6355	2.3963
2800.0	1.6397	34.6457	2.6048
3000.0	1.5961	34.6541	2.7808
3500.0	1.5206	34.6691	3.1621
4000.0	1.4902	34.6779	3.4109
4500.0	1.4928	34.6836	3.5902
5000.0	1.5225	34.6870	3.6966
5500.0	1.5747	34.6886	3.7539
6000.0	1.6390	34.6896	3.8055
6084.0	1.6495	34.6896	3.8340

KH9302 June 25, 1993  
**C19** 45°59.88'N, 164°58.79'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	4.1528	33.3038	7.5868
20.0	4.1422	33.3035	7.5790
30.0	4.1248	33.3030	7.5609
40.0	4.0906	33.3036	7.5349
50.0	3.9686	33.2977	7.5022
60.0	3.9567	33.2984	7.4325
70.0	3.9662	33.3054	7.3739
80.0	3.9424	33.3226	7.3161
90.0	3.7202	33.3214	7.2960
100.0	3.7014	33.3204	7.2216
120.0	3.5758	33.3249	7.1300
140.0	3.4782	33.3326	7.0114
160.0	3.4950	33.3471	6.8747
180.0	3.6983	33.4365	6.4782
200.0	3.9779	33.6283	5.3540
220.0	4.0142	33.6848	4.4371
240.0	3.7275	33.7051	3.9308
260.0	3.7051	33.7327	3.5618
280.0	3.6775	33.7503	3.3401
300.0	3.6750	33.7907	3.0516
350.0	3.6721	33.8778	2.4081
400.0	3.7736	33.9558	1.9897
450.0	3.6508	34.0184	1.5581
500.0	3.5867	34.0774	1.2365
550.0	3.5215	34.1216	1.0404
600.0	3.4472	34.1545	0.8938
650.0	3.3464	34.1901	0.7920
700.0	3.2770	34.2260	0.7530
750.0	3.1711	34.2630	0.7307
800.0	3.0907	34.2926	0.7243
850.0	3.0012	34.3183	0.7515
900.0	2.9275	34.3423	0.7884
950.0	2.8787	34.3584	0.8087
1000.0	2.7978	34.3777	0.8114
1200.0	2.5321	34.4416	0.8731
1400.0	2.3442	34.4853	0.9926
1600.0	2.1718	34.5292	1.1720
1800.0	2.0471	34.5608	1.3741
2000.0	1.9251	34.5877	1.6127
2200.0	1.8234	34.6098	1.9164
2400.0	1.7389	34.6275	2.2088
2600.0	1.6717	34.6403	2.4391
2800.0	1.6146	34.6509	2.6668
3000.0	1.5699	34.6591	2.8501
3500.0	1.5067	34.6721	3.1798
4000.0	1.4800	34.6806	3.4257
4500.0	1.4858	34.6859	3.5870
5000.0	1.5173	34.6891	3.7083
5500.0	1.5727	34.6907	3.7878
5903.0	1.6253	34.6910	3.8425

KH9302 June 26, 1993  
**C20** 46°59.12'N, 165°00.93'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	3.5857	33.0671	7.7787
20.0	3.3448	33.0832	7.7800
30.0	3.1020	33.0893	7.7657
40.0	3.0963	33.1007	7.7318
50.0	3.1037	33.1359	7.6791
60.0	3.2357	33.1674	7.6082
70.0	3.2358	33.1743	7.5199
80.0	2.9555	33.1640	7.4148
90.0	2.2903	33.1206	7.2937
100.0	2.2472	33.1285	7.1573
120.0	1.8263	33.1465	6.8414
140.0	2.0653	33.3413	5.8804
160.0	2.6119	33.5830	4.2636
180.0	2.7749	33.6522	3.0413
200.0	2.9464	33.7276	2.2561
220.0	3.1411	33.7974	1.6368
240.0	3.3562	33.8637	1.2288
260.0	3.3437	33.9002	0.9867
280.0	3.3669	33.9333	0.8593
300.0	3.3774	33.9628	0.7949
350.0	3.3498	34.0122	0.7104
400.0	3.2953	34.0670	0.6593
450.0	3.3060	34.1210	0.5934
500.0	3.2333	34.1605	0.5341
550.0	3.2344	34.2001	0.5176
600.0	3.1612	34.2336	0.5244
650.0	3.0777	34.2636	0.5157
700.0	2.9996	34.2862	0.5380
750.0	2.9422	34.3114	0.5741
800.0	2.8826	34.3337	0.5863
850.0	2.8355	34.3564	0.5251
900.0	2.7788	34.3767	0.4808
950.0	2.7103	34.3960	0.5061
1000.0	2.6437	34.4093	0.5470
1200.0	2.3861	34.4684	0.8064
1400.0	2.2260	34.5096	1.0114
1600.0	2.0849	34.5457	1.2378
1800.0	1.9565	34.5764	1.5058
2000.0	1.8602	34.5984	1.7843
2200.0	1.7668	34.6177	2.0739
2400.0	1.6905	34.6326	2.3419
2600.0	1.6210	34.6455	2.6015
2800.0	1.5865	34.6526	2.7727
3000.0	1.5520	34.6594	2.9289
3500.0	1.4903	34.6721	3.2464
4000.0	1.4750	34.6794	3.4583
4500.0	1.4876	34.6840	3.6054
5000.0	1.5221	34.6870	3.6992
5500.0	1.5751	34.6887	3.7587
5992.0	1.6414	34.6890	3.8040

KH9302 June 26, 1993  
**C21** 47°59.57'N, 164°59.34'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	3.3785	33.4333	7.7847
20.0	3.2941	33.1941	7.7747
30.0	2.8920	33.2026	7.7695
40.0	2.6345	33.2018	7.7605
50.0	2.5961	33.2011	7.7350
60.0	2.5724	33.2013	7.6805
70.0	2.5544	33.2013	7.5843
80.0	2.5788	33.2068	7.4339
90.0	2.5154	33.2177	7.2167
100.0	2.4723	33.2256	6.9201
120.0	2.5747	33.3568	5.8995
140.0	3.7523	33.7141	3.4037
160.0	3.8739	33.7917	2.0172
180.0	3.8808	33.8353	1.4398
200.0	3.8636	33.8752	1.2497
220.0	3.8368	33.9125	1.1232
240.0	3.8068	33.9465	1.0140
260.0	3.7671	33.9743	0.9205
280.0	3.7316	34.0007	0.8409
300.0	3.7086	34.0214	0.7738
350.0	3.6380	34.0743	0.6492
400.0	3.5455	34.1255	0.5642
450.0	3.4683	34.1604	0.4990
500.0	3.3907	34.1951	0.4611
550.0	3.3007	34.2228	0.4635
600.0	3.2225	34.2439	0.4751
650.0	3.1350	34.2665	0.4758
700.0	3.0507	34.2971	0.4827
750.0	2.9795	34.3215	0.4962
800.0	2.8450	34.3437	0.5465
850.0	2.7831	34.3627	0.5900
900.0	2.7200	34.3821	0.6080
950.0	2.6644	34.4002	0.5867
1000.0	2.6087	34.4131	0.6114
1200.0	2.3755	34.4713	0.7900
1400.0	2.2048	34.5147	1.0230
1600.0	2.0531	34.5535	1.3145
1800.0	1.9365	34.5809	1.5644
2000.0	1.8425	34.6016	1.8299
2200.0	1.7499	34.6207	2.1437
2400.0	1.6722	34.6354	2.4152
2600.0	1.6069	34.6473	2.6487
2800.0	1.5607	34.6558	2.8506
3000.0	1.5306	34.6620	3.0006
3500.0	1.4825	34.6730	3.2875
4000.0	1.4639	34.6805	3.5111
4500.0	1.4819	34.6848	3.6472
5000.0	1.5204	34.6873	3.7274
5500.0	1.5750	34.6890	3.7891
5959.0	1.6375	34.6891	3.8415

KH9302		July 5, 1993	
C22		36°59.70'N, 145°00.90'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	17.3015	34.5840	5.7187
20.0	17.0024	34.6225	5.7028
30.0	16.5409	34.5954	5.7493
40.0	16.4733	34.6054	5.6169
50.0	16.0210	34.6096	5.4547
60.0	14.7908	34.5576	5.1937
70.0	14.0324	34.5148	5.1613
80.0	13.2674	34.4431	4.9524
90.0	12.7633	34.3950	4.7709
100.0	12.3308	34.3799	4.7067
120.0	11.5969	34.3209	4.7828
140.0	10.7396	34.2467	4.8266
160.0	8.6458	33.9338	5.3906
180.0	8.4762	33.9960	5.3178
200.0	7.7955	33.9274	5.1110
220.0	5.9209	33.7047	5.4475
240.0	4.9467	33.5882	5.8986
260.0	3.2159	33.4006	6.1997
280.0	3.5334	33.4531	5.9893
300.0	3.9440	33.5457	5.6334
350.0	4.5679	33.7731	4.4395
400.0	3.6897	33.7407	3.8234
450.0	2.8548	33.7316	3.2048
500.0	3.0268	33.8128	2.7114
550.0	3.4132	33.9390	2.2042
600.0	3.8537	34.0703	1.8264
650.0	3.9662	34.1525	1.5499
700.0	3.2063	34.1054	1.2741
750.0	3.8782	34.2586	1.2202
800.0	3.1900	34.2281	1.1267
850.0	3.1254	34.2554	0.9266
900.0	3.0117	34.2897	0.8745
950.0	3.0799	34.3445	0.9459
1000.0	3.1388	34.3844	1.0411
1200.0	2.7770	34.4518	1.0310
1400.0	2.4557	34.5021	1.1022
1600.0	2.2395	34.5443	1.2513
1800.0	2.0732	34.5749	1.5042
2000.0	1.9435	34.5987	1.7472
2200.0	1.8146	34.6207	2.0529
2400.0	1.7292	34.6354	2.2584
2600.0	1.6530	34.6486	2.4931
2800.0	1.5886	34.6592	2.6967
3000.0	1.5528	34.6662	2.8359
3500.0	1.4920	34.6785	3.1308
4000.0	1.4669	34.6868	3.3774
4500.0	1.4643	34.6924	3.5631
4920.0	1.4900	34.6945	3.7009

KH9302		July 6, 1993	
C23		35°59.20'N, 144°59.10'E	
P(db)	T(°C)	S(psu)	O(ml/l)
10.0	17.5474	34.4697	5.9477
20.0	17.3051	34.4622	5.9463
30.0	14.3867	34.4710	6.1600
40.0	12.7713	34.3278	5.7961
50.0	11.9445	34.3395	5.5054
60.0	11.4700	34.3228	5.1822
70.0	10.8185	34.2327	5.1004
80.0	10.3461	34.2343	4.9720
90.0	9.7187	34.1635	4.8872
100.0	9.1635	34.0992	4.9428
120.0	7.7441	33.9143	5.1152
140.0	6.9868	33.8467	5.1738
160.0	5.9340	33.7408	5.2612
180.0	6.0015	33.8042	5.0055
200.0	4.9739	33.6983	5.0689
220.0	5.9970	33.9017	4.5031
240.0	6.6151	34.0478	3.8385
260.0	6.9540	34.1782	3.1216
280.0	5.9228	34.0561	3.1262
300.0	5.3392	34.0093	2.9827
350.0	4.7425	34.0357	2.5234
400.0	4.5585	34.1089	2.0544
450.0	4.3420	34.1543	1.7120
500.0	4.1707	34.1993	1.4695
550.0	4.0171	34.2406	1.3186
600.0	3.7965	34.2792	1.1792
650.0	3.6850	34.3034	1.1415
700.0	3.5713	34.3401	1.1472
750.0	3.3498	34.3532	1.0648
800.0	3.2242	34.3789	1.0294
850.0	3.0888	34.4042	1.0168
900.0	2.9098	34.4204	1.0021
950.0	2.8225	34.4330	0.9727
1000.0	2.7493	34.4463	0.9673
1200.0	2.4713	34.4925	1.0220
1400.0	2.2281	34.5379	1.2053
1600.0	2.1125	34.5626	1.3864
1800.0	1.9656	34.5907	1.6500
2000.0	1.8422	34.6132	1.9237
2200.0	1.7321	34.6325	2.2341
2201.0	1.7322	34.6324	2.2348

KH9302 July 6, 1993  
**C24** 34°59.80'N, 145°00.20'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	17.3343	34.4678	6.1397
20.0	17.0029	34.4748	6.0164
30.0	15.4259	34.5051	6.1786
40.0	13.6726	34.4943	5.9161
50.0	13.3993	34.4798	5.3271
60.0	12.9037	34.4641	5.0925
70.0	12.7131	34.4763	4.7310
80.0	11.9906	34.3927	4.6178
90.0	11.2163	34.2731	4.7883
100.0	9.7682	34.0664	5.1419
120.0	9.3519	34.1016	4.9358
140.0	7.9181	33.9155	5.1681
160.0	7.3607	33.8574	5.2157
180.0	7.9745	34.0883	4.6133
200.0	7.9749	34.1415	3.9423
220.0	6.0032	33.8946	4.1751
240.0	5.5420	33.8387	4.3981
260.0	5.6255	33.8834	4.2043
280.0	5.2475	33.8604	3.9937
300.0	6.0580	34.0339	3.5311
350.0	3.9440	33.8479	3.2103
400.0	4.2314	33.9277	2.8902
450.0	5.1334	34.1592	2.2310
500.0	4.8048	34.2025	1.8167
550.0	4.0735	34.1648	1.4776
600.0	3.9490	34.2115	1.3384
650.0	3.8893	34.2617	1.2497
700.0	3.7243	34.2891	1.1834
750.0	3.5657	34.3222	1.1125
800.0	3.5198	34.3624	1.1236
850.0	3.3836	34.3729	1.1188
900.0	3.1988	34.3913	1.0922
950.0	3.0933	34.4061	1.0826
1000.0	2.9781	34.4184	1.0155
1200.0	2.5988	34.4755	1.0269
1400.0	2.3531	34.5222	1.1882
1600.0	2.1431	34.5596	1.3943
1800.0	1.9813	34.5894	1.6716
2000.0	1.8455	34.6138	1.9933
2200.0	1.7453	34.6313	2.2486

KH9302 July 6, 1993  
**C25** 33°58.20'N, 145°01.50'E

P(db)	T(°C)	S(psu)	σ(ml/l)
20.0	22.7310	34.8224	5.2473
30.0	22.7312	34.8225	5.1028
40.0	21.9774	34.7820	5.1140
50.0	21.1828	34.7975	4.9325
60.0	20.8164	34.8526	4.7218
70.0	20.5392	34.8562	4.6787
80.0	19.4352	34.8565	4.9645
90.0	19.2211	34.8562	4.9663
100.0	19.0998	34.8528	4.9352
120.0	18.5721	34.8584	5.0360
140.0	18.2303	34.8495	4.8187
160.0	17.8511	34.8271	4.7137
180.0	17.3752	34.7964	4.5620
200.0	17.0583	34.7782	4.4664
220.0	16.6101	34.7562	4.4494
240.0	16.3010	34.7314	4.4301
260.0	15.8254	34.6916	4.3176
280.0	15.4984	34.6681	4.2106
300.0	14.8762	34.6235	4.1457
350.0	13.6111	34.5333	3.9915
400.0	10.7104	34.3584	3.7352
450.0	9.2412	34.3325	3.3267
500.0	7.6171	34.2109	2.9952
550.0	7.1339	34.2592	2.6551
600.0	6.1802	34.1923	2.4688
650.0	4.1036	33.9427	2.6314
700.0	4.3098	34.0318	2.2463
750.0	3.7610	34.0282	1.9141
800.0	3.7324	34.0828	1.6254
850.0	4.1464	34.2422	1.4263
900.0	3.6327	34.2378	1.2942
950.0	3.5936	34.2912	1.1034
1000.0	3.4260	34.3280	1.0781
1200.0	2.9811	34.4263	1.1145
1400.0	2.5676	34.4838	1.0069
1600.0	2.3375	34.5252	1.1612
1800.0	2.1525	34.5608	1.3950
2000.0	1.9690	34.5939	1.7273
2200.0	1.7981	34.6238	2.1274
2400.0	1.7235	34.6370	2.3269
2600.0	1.6607	34.6480	2.5244
2800.0	1.6044	34.6578	2.7094
3000.0	1.5502	34.6667	2.8997
3500.0	1.4834	34.6797	3.1938
4000.0	1.4577	34.6875	3.4286
4500.0	1.4656	34.6920	3.5994
5000.0	1.4955	34.6947	3.7458
5500.0	1.5442	34.6957	3.8399
5846.0	1.5851	34.6954	3.9118



KH9302		July 7, 1993	
C26		32°59.10'N, 145°00.20'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	20.0522	34.8272	5.6973
20.0	19.9155	34.8207	5.6266
30.0	19.8068	34.8155	5.6268
40.0	19.6783	34.8126	5.5550
50.0	19.5040	34.8196	5.4758
60.0	19.0479	34.8517	5.4188
70.0	18.7355	34.8448	5.3673
80.0	18.5578	34.8417	5.3001
90.0	18.4228	34.8411	5.2082
100.0	18.3513	34.8393	5.1388
120.0	18.1622	34.8362	5.0637
140.0	18.0343	34.8379	5.0574
160.0	17.9121	34.8367	5.0222
180.0	17.7797	34.8337	4.9654
200.0	17.7309	34.8406	4.9809
220.0	17.6250	34.8282	4.9413
240.0	17.5815	34.8277	4.9591
260.0	17.5481	34.8251	4.9809
280.0	17.4913	34.8218	4.9699
300.0	17.4170	34.8155	4.9167
350.0	16.8568	34.7671	4.6357
400.0	16.0444	34.7078	4.4115
450.0	14.9612	34.6260	4.2293
500.0	13.8776	34.5467	4.1106
550.0	12.5944	34.4656	3.9919
600.0	11.3142	34.3781	3.8906
650.0	9.9876	34.2704	3.9013
700.0	8.9753	34.2820	3.4889
750.0	5.6289	33.9435	3.6116
800.0	3.4145	33.6215	4.6731
850.0	2.4941	33.5394	4.6529
900.0	4.0947	33.8775	3.3827
950.0	3.9717	33.9771	2.4611
1000.0	3.7656	34.0196	1.9260
1200.0	3.6366	34.3169	1.0459
1400.0	2.9970	34.4268	1.0966
1600.0	2.5854	34.4880	1.1232
1800.0	2.3086	34.5343	1.2750
2000.0	2.1121	34.5700	1.4703
2200.0	1.9733	34.5976	1.7522
2206.0	1.9658	34.5988	1.7442

KH9302		July 7, 1993	
C27		31°59.40'N, 144°59.00'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	21.3073	34.8443	5.6268
20.0	21.2428	34.8406	5.5962
30.0	21.2288	34.8405	5.5232
40.0	21.2149	34.8393	5.3854
50.0	20.6672	34.8543	5.3281
60.0	20.1428	34.8565	5.2282
70.0	19.9427	34.8592	5.1025
80.0	19.7006	34.8557	5.0055
90.0	19.5104	34.8536	4.9023
100.0	19.3518	34.8562	4.8592
120.0	19.0910	34.8483	4.8618
140.0	18.9676	34.8513	4.8504
160.0	18.8213	34.8509	4.8415
180.0	18.5815	34.8502	4.8659
200.0	18.3580	34.8522	4.8395
220.0	18.1796	34.8410	4.7751
240.0	17.9465	34.8226	4.6884
260.0	17.6479	34.8039	4.5797
280.0	17.4326	34.7929	4.5240
300.0	17.2182	34.7831	4.5062
350.0	16.5379	34.7422	4.4596
400.0	15.8636	34.6914	4.3452
450.0	14.9549	34.6248	4.2492
500.0	13.8946	34.5507	4.1516
550.0	12.4810	34.4489	4.0809
600.0	11.2793	34.3628	3.9608
650.0	9.8939	34.2688	3.8822
700.0	8.7912	34.2189	3.6425
750.0	7.0691	34.1023	3.4623
800.0	6.3772	34.1211	3.0819
850.0	5.6302	34.1152	2.6581
900.0	5.3771	34.1487	2.3143
950.0	4.7459	34.1732	1.9785
1000.0	4.3128	34.1947	1.5451
1200.0	3.5397	34.3332	1.0726
1400.0	3.0081	34.4234	1.0632
1600.0	2.5951	34.4807	1.0082
1800.0	2.3202	34.5300	1.1834
2000.0	2.1005	34.5731	1.5025
2200.0	1.9114	34.6072	1.9081
2201.0	1.9110	34.6071	1.9087

KH9302 July 7, 1993  
**C28** 31°00.00'N, 144°59.10'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	20.8553	34.7968	5.6913
20.0	19.6754	34.8069	5.8289
30.0	19.2111	34.8220	5.8350
40.0	18.8053	34.8369	5.6944
50.0	18.6416	34.8410	5.5500
60.0	18.4023	34.8342	5.4081
70.0	18.3091	34.8366	5.2684
80.0	18.1508	34.8396	5.0838
90.0	18.0665	34.8326	4.9311
100.0	17.9338	34.8305	4.9216
120.0	17.7799	34.8232	4.8692
140.0	17.6344	34.8328	4.8852
160.0	17.5335	34.8235	5.0336
180.0	17.4645	34.8210	5.0188
200.0	17.3948	34.8171	4.9910
220.0	17.1950	34.7937	4.9597
240.0	17.0896	34.7861	4.8060
260.0	16.8401	34.7676	4.7096
280.0	16.5929	34.7520	4.6279
300.0	16.3390	34.7351	4.6294
350.0	15.6579	34.6759	4.3125
400.0	14.5278	34.5943	4.1794
450.0	13.2529	34.5095	4.0378
500.0	12.1002	34.4260	3.9356
550.0	10.3972	34.2939	3.9474
600.0	8.8667	34.1936	3.8934
650.0	7.6312	34.0953	3.7026
700.0	6.7270	34.0523	3.5220
750.0	5.7853	34.0339	3.2049
800.0	5.0678	34.0306	2.7798
850.0	4.5470	34.0372	2.3896
900.0	4.4904	34.1360	1.9226
950.0	4.2611	34.1865	1.5171
1000.0	4.0566	34.2256	1.2412
1200.0	3.3228	34.3601	0.9644
1400.0	2.7783	34.4490	0.9085
1600.0	2.4669	34.5077	1.0493
1800.0	2.2268	34.5494	1.3001
2000.0	2.0203	34.5889	1.6402
2200.0	1.8778	34.6137	1.9781
2400.0	1.7816	34.6304	2.2584
2600.0	1.6983	34.6444	2.4957
2800.0	1.6332	34.6552	2.7188
3000.0	1.5859	34.6631	2.8552
3500.0	1.5113	34.6773	3.1756
4000.0	1.4805	34.6860	3.4143
4500.0	1.4811	34.6911	3.5877
5000.0	1.5045	34.6943	3.7524
5500.0	1.5431	34.6961	3.8964
6000.0	1.5953	34.6966	4.0220
6113.0	1.6089	34.6962	4.0563

KH9302 July 8, 1993  
**C29** 30°00.00'N, 144°59.50'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	21.2859	34.8254	5.8273
20.0	21.1434	34.8208	5.7619
30.0	19.9718	34.8366	5.8767
40.0	19.5530	34.8638	5.7305
50.0	19.0151	34.8649	5.6321
60.0	18.5059	34.8549	5.5773
70.0	18.1789	34.8474	5.4471
80.0	17.9898	34.8403	5.2719
90.0	17.8830	34.8353	5.1898
100.0	17.7480	34.8256	5.1562
120.0	17.5760	34.8135	5.0941
140.0	17.5348	34.8183	5.1048
160.0	17.4889	34.8197	5.1037
180.0	17.4428	34.8184	5.0951
200.0	17.3242	34.8075	5.0522
220.0	17.2195	34.7982	4.9855
240.0	17.0358	34.7845	4.8761
260.0	16.7727	34.7644	4.7288
280.0	16.5576	34.7479	4.6224
300.0	16.2070	34.7223	4.5596
350.0	15.3517	34.6531	4.2846
400.0	14.0439	34.5604	4.1194
450.0	12.6599	34.4607	4.0181
500.0	11.2892	34.3655	3.9888
550.0	9.6133	34.2321	3.9585
600.0	8.1444	34.1396	3.9471
650.0	6.6763	34.0527	3.6086
700.0	5.8876	34.0350	3.2453
750.0	5.1557	34.0339	2.8000
800.0	4.7400	34.0836	2.3129
850.0	4.5418	34.1412	1.8139
900.0	4.3128	34.1883	1.5165
950.0	4.1001	34.2284	1.3015
1000.0	3.8214	34.2781	1.0913
1200.0	3.2195	34.3870	0.8880
1400.0	2.7537	34.4647	0.9292
1600.0	2.4235	34.5133	1.0911
1800.0	2.2000	34.5538	1.3074
2000.0	2.0233	34.5883	1.6837
2200.0	1.8585	34.6166	2.0750
2203.0	1.8571	34.6168	2.0417

KH9302 July 8, 1993  
**C30** 29°00.30'N, 145°00.30'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	21.0988	34.6726	5.8179
20.0	20.9382	34.7048	5.7655
30.0	19.2040	34.8142	5.9951
40.0	18.9014	34.8194	5.8154
50.0	18.6727	34.8276	5.6703
60.0	18.5351	34.8343	5.5747
70.0	18.2561	34.8458	5.4862
80.0	17.9360	34.8479	5.3587
90.0	17.8368	34.8427	5.2271
100.0	17.7589	34.8363	5.1542
120.0	17.6265	34.8228	5.0989
140.0	17.5202	34.8154	5.0867
160.0	17.4148	34.8062	5.0737
180.0	17.3390	34.8087	5.0600
200.0	17.2830	34.8039	5.0393
220.0	17.1737	34.7950	4.9545
240.0	16.9455	34.7768	4.8103
260.0	16.7117	34.7594	4.6881
280.0	16.5205	34.7463	4.6235
300.0	16.2587	34.7265	4.5695
350.0	15.3947	34.6568	4.3648
400.0	14.0147	34.5542	4.2175
450.0	12.8638	34.4736	4.1259
500.0	11.5019	34.3703	4.0907
550.0	9.8753	34.2514	4.0337
600.0	8.5272	34.1644	3.9003
650.0	6.8236	34.0559	3.6392
700.0	5.8320	34.0167	3.2944
750.0	4.9388	34.0439	2.7270
800.0	4.7144	34.1032	2.1366
850.0	4.4115	34.1636	1.6622
900.0	4.2034	34.2093	1.3553
950.0	3.9189	34.2546	1.1707
1000.0	3.7519	34.2890	1.0921
1200.0	3.1358	34.3945	0.9195
1400.0	2.6755	34.4698	0.9971
1600.0	2.3898	34.5260	1.1965
1800.0	2.1498	34.5697	1.5484
2000.0	1.9833	34.5979	1.8724
2200.0	1.8367	34.6215	2.1934
2203.0	1.8313	34.6227	2.1091

KH9302 July 8, 1993  
**C31** 28°59.70'N, 143°30.40'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	23.7371	34.9694	5.4156
20.0	20.8660	34.8243	5.7952
30.0	20.2125	34.8586	5.8094
40.0	19.7739	34.8674	5.6579
50.0	19.5999	34.8653	5.5620
60.0	19.3353	34.8609	5.4921
70.0	18.9967	34.8628	5.4595
80.0	18.5871	34.8641	5.4308
90.0	18.3829	34.8573	5.3603
100.0	18.2091	34.8545	5.2842
120.0	18.0543	34.8456	5.1908
140.0	17.8981	34.8398	5.1652
160.0	17.7741	34.8337	5.1760
180.0	17.6397	34.8226	5.1921
200.0	17.5296	34.8163	5.2026
220.0	17.4752	34.8135	5.1832
240.0	17.4027	34.8108	5.1443
260.0	17.3005	34.8031	5.0898
280.0	17.2475	34.8003	5.0583
300.0	17.1130	34.7897	4.9618
350.0	16.5543	34.7494	4.6929
400.0	15.5379	34.6716	4.4603
450.0	14.5485	34.5964	4.2436
500.0	12.8919	34.4724	4.1581
550.0	11.5629	34.3754	4.0593
600.0	9.8786	34.2587	4.0118
650.0	8.0287	34.1321	3.8501
700.0	6.7415	34.0605	3.5350
750.0	5.9090	34.0432	3.1263
800.0	5.1482	34.0612	2.6215
850.0	4.7731	34.1132	2.0321
900.0	4.5232	34.1615	1.6160
950.0	4.2184	34.2158	1.3033
1000.0	3.9728	34.2590	1.1029
1200.0	3.2983	34.3873	0.9250
1400.0	2.7573	34.4667	0.9750
1600.0	2.4391	34.5221	1.2103
1800.0	2.2002	34.5645	1.5362
2000.0	2.0100	34.5985	1.9783
2200.0	1.8855	34.6178	2.1976
2203.0	1.8825	34.6180	2.2159

KH9302		July 9, 1993	
C32		29°01.40'N, 141°52.10'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	23.8418	34.8955	5.2964
20.0	23.8383	34.8958	5.2492
30.0	23.8158	34.9053	5.2058
40.0	22.2679	34.9752	5.3563
50.0	21.1508	35.0029	5.3896
60.0	20.8001	34.9930	5.3072
70.0	20.2567	34.9815	5.2352
80.0	19.9729	34.9620	5.1507
90.0	19.6520	34.9167	5.1211
100.0	19.3201	34.8867	5.0837
120.0	19.0260	34.8887	4.9635
140.0	18.5292	34.8698	4.8426
160.0	18.0632	34.8452	4.7201
180.0	17.7118	34.8245	4.6938
200.0	17.4456	34.8077	4.6834
220.0	17.1131	34.7895	4.6612
240.0	16.9387	34.7773	4.6459
260.0	16.7562	34.7651	4.6296
280.0	16.4942	34.7457	4.6078
300.0	16.1267	34.7193	4.5841
350.0	15.4646	34.6626	4.4980
400.0	14.3297	34.5715	4.4107
450.0	12.6056	34.4469	4.2906
500.0	11.4621	34.3699	4.1278
550.0	10.2661	34.2845	4.0109
600.0	9.2368	34.2156	3.8860
650.0	7.9515	34.1451	3.6034
700.0	6.6654	34.1027	3.2977
750.0	5.7927	34.0806	2.7855
800.0	5.0348	34.1101	2.2508
850.0	4.7349	34.1474	1.8972
900.0	4.4239	34.1936	1.5559
950.0	4.1013	34.2434	1.2879
1000.0	3.8607	34.2831	1.1083
1200.0	3.2704	34.3896	1.0146
1400.0	2.7087	34.4780	1.1481
1600.0	2.3835	34.5321	1.3854
1800.0	2.1395	34.5708	1.7466
2000.0	1.9485	34.6019	2.0844
2200.0	1.7706	34.6309	2.5526
2400.0	1.6841	34.6451	2.7711
2593.0	1.6268	34.6546	2.9271

KH9302		July 9, 1993	
C33		28°40.40'N, 143°00.70'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	24.0252	34.8995	5.4770
20.0	24.0206	34.8997	5.3235
30.0	23.5969	34.9211	5.2939
40.0	22.4267	35.0183	5.3157
50.0	21.5044	35.0205	5.3221
60.0	21.2755	35.0090	5.2440
70.0	20.6955	34.9907	5.2256
80.0	20.2231	34.9589	5.1481
90.0	19.7610	34.9410	5.0645
100.0	19.3800	34.9248	4.9670
120.0	18.9378	34.9000	4.7926
140.0	18.4345	34.8693	4.8243
160.0	18.1440	34.8522	4.8453
180.0	17.8823	34.8455	4.8912
200.0	17.7144	34.8376	4.9770
220.0	17.5905	34.8230	4.9690
240.0	17.3772	34.8102	4.9408
260.0	17.2036	34.7967	4.8681
280.0	16.9210	34.7790	4.7726
300.0	16.5933	34.7561	4.7213
350.0	15.7813	34.6925	4.6394
400.0	14.7559	34.6032	4.4468
450.0	13.3468	34.4987	4.3562
500.0	12.1658	34.4077	4.2849
550.0	11.0250	34.3291	4.2004
600.0	9.6664	34.2477	4.0053
650.0	8.5937	34.1870	3.7599
700.0	7.5728	34.1127	3.5388
750.0	6.9400	34.0838	3.2882
800.0	5.8784	34.0754	2.8169
850.0	5.2282	34.1024	2.2545
900.0	4.8273	34.1505	1.8159
950.0	4.5096	34.1957	1.5450
1000.0	4.1193	34.2552	1.2744
1200.0	3.4069	34.3813	1.0558
1400.0	2.8708	34.4674	1.1649
1600.0	2.5505	34.5139	1.2938
1800.0	2.2389	34.5596	1.6371
2000.0	2.0488	34.5909	2.0113
2200.0	1.8847	34.6160	2.2842

KH9302		July 9, 1993	
C34		28°20.10'N, 144°01.10'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	23.6726	34.8477	5.3084
20.0	23.6744	34.8486	5.2357
30.0	23.3249	34.8798	5.2555
40.0	21.8276	34.9744	5.4491
50.0	21.0540	34.9103	5.4884
60.0	20.2847	34.8981	5.4839
70.0	20.0509	34.9461	5.3915
80.0	19.7836	34.9492	5.3090
90.0	19.4562	34.9266	5.2520
100.0	19.2400	34.9145	5.2115
120.0	18.7728	34.8950	5.0797
140.0	18.4440	34.8717	5.0416
160.0	18.1777	34.8548	5.0082
180.0	17.9902	34.8462	5.0356
200.0	17.7189	34.8280	5.0808
220.0	17.5959	34.8227	5.1037
240.0	17.4750	34.8165	5.0895
260.0	17.2888	34.8027	4.9707
280.0	17.0207	34.7831	4.8231
300.0	16.8668	34.7738	4.7427
350.0	16.3318	34.7357	4.6759
400.0	15.2684	34.6481	4.4830
450.0	13.6409	34.5195	4.3556
500.0	12.6092	34.4415	4.2839
550.0	11.2017	34.3365	4.2573
600.0	9.6733	34.2308	4.1604
650.0	8.5894	34.1560	3.9349
700.0	7.3493	34.0896	3.6283
750.0	6.6596	34.1043	3.2033
800.0	6.0851	34.1062	2.7787
850.0	5.3157	34.1106	2.3873
900.0	4.7383	34.1539	1.9003
950.0	4.4160	34.1730	1.5778
1000.0	4.1407	34.2225	1.2708
1200.0	3.4157	34.3684	0.9596
1400.0	2.9095	34.4624	1.1678
1600.0	2.5373	34.5189	1.4205
1800.0	2.2374	34.5625	1.7246
2000.0	2.0142	34.5950	1.9837
2200.0	1.8900	34.6158	2.2410

KH9302		July 9, 1993	
C35		27°58.90'N, 145°01.50'E	
P(db)	T(°C)	S(psu)	0(ml/l)
10.0	21.3573	34.7523	4.5981
20.0	21.0995	34.8388	4.2404
30.0	20.6657	34.8957	4.4670
40.0	19.6749	34.8541	5.1700
50.0	19.1440	34.8556	5.5029
60.0	18.8164	34.8480	5.4747
70.0	18.6550	34.8459	5.3853
80.0	18.4077	34.8522	5.4733
90.0	18.2627	34.8653	5.3558
100.0	18.2293	34.8612	5.2595
120.0	18.0280	34.8493	5.1677
140.0	17.7819	34.8354	5.1445
160.0	17.6738	34.8308	5.1506
180.0	17.5926	34.8266	5.1517
200.0	17.5423	34.8273	5.1261
220.0	17.4532	34.8176	5.0850
240.0	17.3890	34.8111	5.0706
260.0	17.2920	34.8038	5.0663
280.0	17.1598	34.7919	4.9412
300.0	16.9504	34.7756	4.7988
350.0	16.0971	34.7131	4.5521
400.0	15.0084	34.6278	4.3339
450.0	13.5002	34.5172	4.1950
500.0	12.0281	34.4097	4.1251
550.0	10.5596	34.3000	4.0621
600.0	9.1833	34.2122	3.9121
650.0	7.6246	34.1095	3.7593
700.0	6.1776	34.0499	3.3230
750.0	5.4039	34.0541	2.7941
800.0	4.9248	34.0874	2.2465
850.0	4.6194	34.1312	1.8711
900.0	4.4640	34.1752	1.5586
950.0	4.1832	34.2221	1.2643
1000.0	3.9226	34.2680	1.1040
1200.0	3.2275	34.4005	0.9443
1400.0	2.7839	34.4795	1.1210
1600.0	2.4465	34.5314	1.3941
1800.0	2.1432	34.5781	1.8166
2000.0	1.9479	34.6080	2.1586
2200.0	1.8461	34.6241	2.4016
2400.0	1.7544	34.6383	2.5857
2600.0	1.6656	34.6516	2.8101
2800.0	1.6236	34.6587	2.9105
3000.0	1.5755	34.6661	3.0340
3500.0	1.5098	34.6777	3.2902
4000.0	1.4814	34.6853	3.4878
4500.0	1.4767	34.6911	3.6870
5000.0	1.5047	34.6939	3.8431
5500.0	1.5465	34.6955	3.9792
5924.0	1.5915	34.6957	4.1010

KH9302 July 10, 1993  
**C36** 26°59.40'N, 145°00.10'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	23.7544	34.9174	4.9837
20.0	23.4611	34.9165	4.9704
30.0	19.7633	34.8441	5.4437
40.0	19.3529	34.8231	5.4464
50.0	18.9913	34.8382	5.4787
60.0	18.9469	34.8447	5.4699
70.0	18.8221	34.8610	5.4682
80.0	18.6433	34.8665	5.4682
90.0	18.6121	34.8674	5.4450
100.0	18.4942	34.8689	5.4226
120.0	18.2133	34.8587	5.2613
140.0	18.0324	34.8468	5.1089
160.0	17.7926	34.8309	5.0210
180.0	17.6440	34.8248	5.0187
200.0	17.5170	34.8141	4.9604
220.0	17.3884	34.8042	4.8613
240.0	17.1750	34.7930	4.8065
260.0	16.9879	34.7803	4.7394
280.0	16.9096	34.7743	4.6776
300.0	16.6544	34.7552	4.6175
350.0	15.7640	34.6872	4.4288
400.0	14.5303	34.5891	4.2978
450.0	13.2401	34.4947	4.1934
500.0	12.1018	34.4167	4.0983
550.0	10.2474	34.2591	4.1698
600.0	8.3237	34.0559	4.4570
650.0	7.9542	34.1290	3.8069
700.0	6.5476	34.0755	3.4285
750.0	5.9326	34.0718	3.0204
800.0	5.2183	34.1096	2.5067
850.0	4.7791	34.1529	2.0691
900.0	4.4969	34.1924	1.7977
950.0	4.0635	34.2626	1.5296
1000.0	3.8521	34.2983	1.3348
1200.0	3.3012	34.4109	1.1983
1400.0	2.8113	34.4856	1.3275
1600.0	2.4165	34.5413	1.5590
1800.0	2.1530	34.5777	1.8429
2000.0	1.9514	34.6082	2.1736
2200.0	1.8242	34.6278	2.4359
2202.0	1.8232	34.6279	2.4463

KH9302 July 10, 1993  
**C37** 25°59.30'N, 144°57.90'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	25.5935	35.0444	5.2262
20.0	25.5900	35.0448	5.1563
30.0	25.5575	35.0470	5.0664
40.0	25.0937	35.0545	4.9898
50.0	24.1695	35.0663	5.0127
60.0	22.0742	35.0707	5.1794
70.0	21.1539	35.0437	5.1654
80.0	20.6686	35.0256	5.0933
90.0	20.1024	34.9960	5.0160
100.0	19.7384	34.9749	4.9064
120.0	18.9786	34.9105	4.7834
140.0	18.3855	34.8753	4.7755
160.0	17.8953	34.8396	4.7882
180.0	17.5046	34.8154	4.7760
200.0	17.1543	34.7935	4.7929
220.0	16.8886	34.7786	4.8090
240.0	16.6594	34.7623	4.7992
260.0	16.4930	34.7495	4.7862
280.0	16.1159	34.7191	4.7682
300.0	15.8634	34.6966	4.7100
350.0	14.8006	34.6042	4.5717
400.0	13.4421	34.4911	4.5345
450.0	11.9365	34.3748	4.4963
500.0	10.6261	34.2780	4.3674
550.0	9.1653	34.1791	4.1738
600.0	8.0221	34.1097	3.9063
650.0	6.8500	34.0705	3.4611
700.0	6.0702	34.0624	3.0183
750.0	5.8108	34.0693	2.7858
800.0	5.3345	34.0870	2.3682
850.0	4.9191	34.1273	2.0158
900.0	4.6195	34.1603	1.7318
950.0	4.1098	34.2425	1.3791
1000.0	3.9067	34.2914	1.1742
1200.0	3.2331	34.4134	1.1954
1400.0	2.7144	34.4954	1.3759
1600.0	2.3340	34.5486	1.6512
1800.0	2.0863	34.5851	1.9712
2000.0	1.9594	34.6070	2.2192
2200.0	1.8121	34.6301	2.5303

KH9302 July 10, 1993  
**C38** 24°59.10'N, 145°00.20'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	25.5891	34.9801	5.2236
20.0	24.3056	34.9926	5.3721
30.0	23.6766	35.0046	5.4043
40.0	22.8960	35.0046	5.3590
50.0	21.9451	35.0034	5.3670
60.0	21.5655	34.9967	5.2990
70.0	20.4544	34.9924	5.2997
80.0	19.4162	34.9508	5.2245
90.0	19.0613	34.9251	5.1507
100.0	18.8757	34.9066	5.0843
120.0	18.4297	34.8712	5.0238
140.0	18.2441	34.8562	4.9840
160.0	17.8884	34.8351	4.9586
180.0	17.5654	34.8164	4.9084
200.0	17.2401	34.7996	4.8286
220.0	17.0673	34.7881	4.7647
240.0	16.8273	34.7724	4.7211
260.0	16.5613	34.7537	4.6834
280.0	16.4151	34.7411	4.6314
300.0	16.0335	34.7114	4.5718
350.0	15.1765	34.6387	4.4468
400.0	13.7453	34.5308	4.2831
450.0	12.1568	34.4065	4.2412
500.0	10.9022	34.3238	4.0862
550.0	9.4577	34.2194	3.9297
600.0	8.4661	34.1580	3.7451
650.0	6.9611	34.0894	3.7330
700.0	6.0913	34.0973	2.9323
750.0	5.4154	34.1241	2.4349
800.0	4.8956	34.1566	2.0011
850.0	4.6316	34.1992	1.7263
900.0	4.3095	34.2448	1.5085
950.0	4.1199	34.2711	1.3906
1000.0	3.9439	34.3081	1.3460
1200.0	3.2702	34.4149	1.1869
1400.0	2.7606	34.4958	1.3841
1600.0	2.3656	34.5484	1.7166
1800.0	2.1236	34.5844	2.0408
2000.0	1.9387	34.6135	2.3250
2200.0	1.8388	34.6294	2.5321
2400.0	1.7489	34.6425	2.7047
2600.0	1.6821	34.6529	2.8463
2800.0	1.6240	34.6616	2.9802
3000.0	1.5739	34.6687	3.1067
3500.0	1.5145	34.6794	3.3397
4000.0	1.4814	34.6867	3.5792
4500.0	1.4760	34.6921	3.7969
5000.0	1.4871	34.6964	4.0040
5118.0	1.4976	34.6966	4.0845

KH9302 July 11, 1993  
**C39** 23°59.60'N, 145°00.30'E

P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.1822	34.9882	5.0005
20.0	27.9530	35.0188	4.9984
30.0	26.9789	35.0887	5.1074
40.0	25.4954	35.0991	5.1792
50.0	25.3672	35.0945	5.0586
60.0	24.7417	35.1091	5.0606
70.0	24.0956	35.1501	5.0594
80.0	23.7974	35.1638	5.0118
90.0	23.5762	35.1550	4.9695
100.0	23.4427	35.1461	4.9368
120.0	23.1223	35.1249	4.8860
140.0	22.5910	35.0675	4.8179
160.0	21.7842	35.0327	4.7225
180.0	20.8340	34.9869	4.7087
200.0	19.7746	34.9491	4.6991
220.0	19.0554	34.9108	4.5820
240.0	18.3314	34.8747	4.5886
260.0	17.6919	34.8269	4.6171
280.0	17.2532	34.8050	4.6374
300.0	16.8250	34.7745	4.6497
350.0	15.4685	34.6603	4.5555
400.0	13.9661	34.5320	4.4604
450.0	12.9966	34.4693	4.2927
500.0	11.2481	34.3390	4.1426
550.0	10.0258	34.2385	4.0310
600.0	8.4438	34.1549	3.7764
650.0	7.5038	34.1379	3.2255
700.0	6.5606	34.1440	2.6220
750.0	6.0510	34.1527	2.2724
800.0	5.3979	34.1668	2.0641
850.0	5.0366	34.1971	1.8629
900.0	4.6494	34.2404	1.6991
950.0	4.4121	34.2893	1.6041
1000.0	4.1082	34.3170	1.5176
1200.0	3.3006	34.4204	1.3759
1400.0	2.7900	34.4931	1.5778
1600.0	2.3765	34.5484	1.8522
1800.0	2.1368	34.5830	2.0930
2000.0	1.9560	34.6085	2.3697
2200.0	1.8512	34.6274	2.5746
2202.0	1.8478	34.6277	2.5343

KH9302		July 11, 1993	
C40		22°59.90'N, 144°59.70'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	29.1070	34.9605	5.0114
20.0	28.1037	35.0105	5.0426
30.0	27.1880	35.0396	5.0464
40.0	26.2209	35.0673	5.0303
50.0	24.7943	35.1173	5.1192
60.0	23.9456	35.0769	5.1219
70.0	23.6428	35.1098	5.0560
80.0	23.3027	35.0912	5.0019
90.0	22.6812	35.0752	4.9678
100.0	21.8530	35.0387	4.9406
120.0	20.5504	35.0176	4.9996
140.0	19.5066	34.9581	5.0623
160.0	18.9975	34.9290	5.0324
180.0	18.6893	34.8976	4.9808
200.0	18.2965	34.8637	4.8669
220.0	17.9152	34.8379	4.7416
240.0	17.3965	34.8098	4.6878
260.0	17.0249	34.7875	4.6760
280.0	16.6443	34.7620	4.6820
300.0	16.3257	34.7362	4.6629
350.0	15.3176	34.6502	4.5634
400.0	13.2870	34.4791	4.4601
450.0	11.8626	34.3628	4.3508
500.0	10.5804	34.2728	4.2062
550.0	9.4795	34.2067	3.8881
600.0	7.9877	34.1349	3.4970
650.0	7.0219	34.1021	3.0652
700.0	6.1880	34.0998	2.6016
750.0	5.5354	34.1396	2.0850
800.0	5.0638	34.2099	1.6012
850.0	4.8080	34.2505	1.3794
900.0	4.4461	34.3142	1.2731
950.0	4.2454	34.3670	1.2799
1000.0	4.0426	34.4029	1.3954
1200.0	3.3976	34.4740	1.5655
1400.0	2.8596	34.5231	1.7617
1600.0	2.5014	34.5545	1.9671
1800.0	2.1880	34.5861	2.1592
2000.0	2.0244	34.6094	2.3691
2200.0	1.8808	34.6261	2.5496
2202.0	1.8803	34.6261	2.5526

KH9302		July 11, 1993	
C41		21°59.90'N, 144°59.60'E	
P(db)	T(°C)	S(psu)	σ(ml/l)
10.0	28.1978	35.1295	5.1046
20.0	26.4199	35.1652	5.2690
30.0	24.8667	35.1631	5.3655
40.0	24.2933	35.1547	5.2007
50.0	23.9422	35.1356	5.0933
60.0	23.5352	35.1552	5.0119
70.0	23.1192	35.1202	4.9597
80.0	22.6409	35.0828	4.8986
90.0	22.4522	35.0674	4.8414
100.0	21.8884	35.0374	4.8504
120.0	20.6808	35.0086	4.6345
140.0	19.6176	34.9769	4.4788
160.0	18.8970	34.9345	4.4188
180.0	18.3546	34.8997	4.4326
200.0	17.8495	34.8490	4.5287
220.0	17.3478	34.8151	4.5957
240.0	16.8800	34.7803	4.6354
260.0	16.4187	34.7468	4.6576
280.0	15.9536	34.7058	4.6337
300.0	15.4918	34.6637	4.5761
350.0	13.9117	34.5283	4.4780
400.0	12.5403	34.4163	4.3671
450.0	11.0421	34.3081	4.1970
500.0	9.6845	34.2231	3.9109
550.0	8.2825	34.1554	3.5219
600.0	7.2280	34.1254	2.9717
650.0	6.2903	34.1326	2.4338
700.0	5.7141	34.1742	2.0018
750.0	5.3974	34.2341	1.5069
800.0	5.1195	34.2773	1.3321
850.0	4.8141	34.3113	1.3286
900.0	4.6065	34.3482	1.3704
950.0	4.3043	34.3818	1.4252
1000.0	4.0806	34.4265	1.4844
1200.0	3.3774	34.5016	1.7432
1400.0	2.7093	34.5183	1.6998
1600.0	2.3911	34.5566	1.9655
1800.0	2.1438	34.5929	2.2774
2000.0	1.9910	34.6116	2.4667
2200.0	1.8818	34.6258	2.5996
2400.0	1.7953	34.6402	2.7391
2600.0	1.7335	34.6498	2.8691
2800.0	1.6836	34.6569	2.9508
3000.0	1.6217	34.6652	3.0551
3500.0	1.5083	34.6801	3.3719
4000.0	1.4778	34.6870	3.5736
4007.0	1.4789	34.6870	3.5806



KH9302 July 11, 1993  
**C42** 20°59.90'N, 145°00.10'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	28.9588	35.1062	4.7651
20.0	28.5548	35.1470	4.7564
30.0	27.5137	35.1757	4.9556
40.0	26.7736	35.1824	4.9934
50.0	26.0614	35.1834	4.9842
60.0	25.4031	35.1833	4.9547
70.0	24.5495	35.1676	4.9510
80.0	23.8868	35.1368	4.9011
90.0	23.1492	35.1081	4.8690
100.0	22.5040	35.0857	4.7592
120.0	21.4054	35.0431	4.5551
140.0	20.3092	34.9820	4.5060
160.0	19.4164	34.9360	4.4620
180.0	19.0368	34.9128	4.3983
200.0	17.8960	34.8430	4.4896
220.0	17.4287	34.8176	4.5231
240.0	16.9710	34.7884	4.4606
260.0	16.4563	34.7482	4.4641
280.0	16.1099	34.7179	4.4716
300.0	15.6665	34.6797	4.4498
350.0	13.8254	34.5241	4.3434
400.0	12.2425	34.4031	4.1909
450.0	11.3194	34.3345	4.0699
500.0	10.0883	34.2551	3.8582
550.0	8.1984	34.1528	3.4836
600.0	6.8079	34.1317	2.8331
650.0	6.2129	34.1509	2.3510
700.0	5.6375	34.2073	1.9369
750.0	5.2778	34.2564	1.6681
800.0	5.0241	34.3000	1.5352
850.0	4.7135	34.3623	1.5333
900.0	4.5365	34.3969	1.5899
950.0	4.3766	34.4326	1.6612
1000.0	4.1602	34.4581	1.7598
1200.0	3.5867	34.5239	1.9539
1400.0	2.9352	34.5593	2.1038
1600.0	2.4642	34.5754	2.2075
1800.0	2.2585	34.5938	2.3408
1948.0	2.1307	34.6046	2.4417

KH9302 July 11, 1993  
**C43** 19°59.70'N, 144°59.40'E

P(db)	T(°C)	S(psu)	O(ml/l)
10.0	29.6333	35.0497	4.8728
20.0	28.7779	35.0222	4.9429
30.0	27.8117	35.0419	5.0432
40.0	26.5676	35.0988	5.0845
50.0	26.1018	35.1109	5.0171
60.0	26.0948	35.1085	4.9194
70.0	25.6835	35.1087	4.8793
80.0	25.3090	35.1195	4.8285
90.0	24.7154	35.1282	4.8081
100.0	24.3061	35.1291	4.7622
120.0	23.6389	35.1576	4.7651
140.0	23.0099	35.1490	4.7474
160.0	22.6625	35.1302	4.6665
180.0	21.8157	35.0769	4.6191
200.0	20.0083	34.9902	4.5483
220.0	18.1251	34.8813	4.5725
240.0	17.3627	34.8190	4.6127
260.0	17.0539	34.7950	4.6299
280.0	16.7576	34.7721	4.6310
300.0	16.3647	34.7411	4.6254
350.0	15.1660	34.6370	4.4997
400.0	13.3656	34.4851	4.4096
450.0	11.7646	34.3646	4.3400
500.0	9.3881	34.2059	4.0672
550.0	8.3089	34.1460	3.4320
600.0	7.5013	34.1265	3.0736
650.0	6.4828	34.1409	2.3699
700.0	5.9935	34.1687	1.9105
750.0	5.4145	34.2246	1.5542
800.0	5.0028	34.3059	1.3466
850.0	4.7900	34.3500	1.3241
900.0	4.5598	34.3912	1.4129
950.0	4.3121	34.4407	1.5433
1000.0	4.0278	34.4743	1.7001
1200.0	3.4798	34.5246	1.9319
1400.0	2.9086	34.5592	2.0791
1600.0	2.5277	34.5820	2.2004
1800.0	2.2221	34.5993	2.3378
2000.0	2.0612	34.6152	2.4914
2200.0	1.9417	34.6298	2.6180
2201.0	1.9404	34.6300	2.6199

## 8. XBT Data

**X001 KH9302**  
June 5, 1993  
33°2'N, 143°0'E

z(m)	T(°C)
0	19.08
10	19.02
20	18.93
30	18.88
40	18.86
50	18.67
60	18.31
70	18.04
80	17.99
90	17.93
100	17.87
120	17.72
140	17.62
160	17.56
180	17.51
200	17.42
250	16.89
300	16.16
350	15.34
400	14.51
450	13.58
500	12.50
550	10.97
600	9.39
650	7.78
700	5.83
750	6.49
800	5.81

**X002 KH9302**  
June 5, 1993  
33°2'N, 143°2'E

z(m)	T(°C)
0	18.93
10	18.92
20	18.87
30	18.67
40	18.65
50	18.60
60	18.37
70	18.25
80	18.13
90	17.99
100	17.94
120	17.78
140	17.67
160	17.61
180	17.53
200	17.48
250	17.22
300	16.58
350	15.90
400	15.14
450	13.97
500	13.03
550	11.95
600	10.87
650	9.22
700	7.56
750	6.67
800	5.76

**X003 KH9302**  
June 5, 1993  
33°4'N, 144°0'E

z(m)	T(°C)
0	19.26
10	19.27
20	19.29
30	19.29
40	18.73
50	18.52
60	18.45
70	18.41
80	18.33
90	18.12
100	18.04
120	17.89
140	17.79
160	17.62
180	17.55
200	17.52
250	17.33
300	16.94
350	16.22
400	15.98
450	14.98
500	13.92
550	12.70
600	11.35
650	9.97
700	8.42
750	7.32
800	6.46

**X004 KH9302**  
June 5, 1993  
33°0'N, 144°2'E

z(m)	T(°C)
0	18.77
10	18.77
20	18.78
30	18.79
40	18.65
50	18.65
60	18.35
70	18.32
80	18.17
90	18.09
100	18.04
120	17.94
140	17.79
160	17.72
180	17.64
200	17.56
250	17.38
300	17.04
350	16.60
400	15.92
450	14.41
500	13.36
550	12.06
600	10.63
650	9.19
700	7.84
750	7.35
800	6.68

**X005 KH9302**  
June 5, 1993  
33°6'N, 145°0'E

z(m)	T(°C)
0	19.83
10	19.85
20	20.06
30	20.07
40	20.09
50	20.11
60	20.14
70	20.15
80	20.19
90	20.20
100	19.94
120	19.44
140	19.17
160	19.01
180	18.81
200	18.67
250	18.04
300	17.52
350	16.87
400	16.09
450	14.72
500	13.95
550	12.75
600	10.83
650	9.58
700	8.26
750	6.89
800	7.05

**X006 KH9302**  
June 5, 1993  
33°6'N, 145°0'E

z(m)	T(°C)
0	20.19
10	20.19
20	20.22
30	20.23
40	20.27
50	20.27
60	20.29
70	19.84
80	19.75
90	19.55
100	19.49
120	19.25
140	18.93
160	18.77
180	18.71
200	18.67
250	18.22
300	17.87
350	17.16
400	16.27
450	15.16
500	13.77
550	12.08
600	10.77
650	8.98
700	7.90
750	7.24
800	7.32

**X007 KH9302**  
June 5, 1993  
32°7'N, 146°0'E

z(m)	T(°C)
0	20.13
10	20.15
20	20.17
30	20.14
40	19.32
50	18.86
60	18.74
70	18.69
80	18.55
90	18.52
100	18.45
120	18.23
140	17.99
160	17.87
180	17.71
200	17.61
250	17.50
300	17.16
350	16.38
400	15.36
450	14.07
500	12.79
550	11.42
600	10.00
650	8.17
700	6.77
750	6.36
800	5.74

**X008 KH9302**  
June 5, 1993  
32°8'N, 146°0'E

z(m)	T(°C)
0	19.08
10	19.12
20	19.13
30	19.12
40	19.10
50	19.05
60	19.01
70	18.80
80	18.69
90	18.66
100	18.61
120	18.39
140	18.17
160	18.03
180	17.90
200	17.75
250	17.53
300	17.01
350	16.31
400	15.75
450	14.88
500	13.93
550	12.64
600	10.90
650	7.21
700	6.14
750	5.61
800	5.48

**X009 KH9302**  
June 5, 1993  
32°9'N, 147°0'E

z(m)	T(°C)
0	19.22
10	19.24
20	19.28
30	19.29
40	19.23
50	19.02
60	18.78
70	18.60
80	18.50
90	18.41
100	18.30
120	18.09
140	17.93
160	17.72
180	17.64
200	17.55
250	17.39
300	17.10
350	16.62
400	15.98
450	15.16
500	13.81
550	12.61
600	10.94
650	9.52
700	8.34
750	6.86
800	5.72

**X010 KH9302**  
June 5, 1993  
32°0'N, 147°0'E

z(m)	T(°C)
0	19.70
10	19.18
20	19.01
30	18.86
40	18.55
50	18.46
60	18.36
70	18.25
80	18.17
90	17.90
100	17.84
120	17.77
140	17.68
160	17.61
180	17.60
200	17.60
250	17.52
300	17.31
350	16.85
400	16.36
450	15.34
500	14.14
550	12.81
600	11.32
650	9.89
700	8.51
750	7.44
800	6.30

X011 KH9302  
June 5, 1993  
32°1'N, 148°0'E

z(m)	T(°C)
0	18.98
10	18.99
20	18.93
30	18.91
40	18.89
50	18.70
60	18.33
70	18.29
80	18.22
90	18.19
100	18.07
120	17.92
140	17.78
160	17.68
180	17.61
200	17.54
250	17.38
300	17.15
350	16.73
400	15.82
450	14.84
500	13.79
550	12.36
600	10.96
650	9.34
700	7.89
750	6.62
800	5.52

X012 KH9302  
June 5, 1993  
32°1'N, 148°1'E

z(m)	T(°C)
0	19.40
10	19.35
20	19.27
30	19.25
40	19.11
50	18.99
60	18.92
70	18.69
80	18.64
90	18.42
100	18.22
120	17.84
140	17.64
160	17.57
180	17.53
200	17.48
250	17.32
300	17.17
350	16.41
400	15.76
450	14.44
500	13.12
550	12.02
600	10.40
650	8.86
700	7.78
750	6.23
800	5.32

X013 KH9302  
June 5, 1993  
32°1'N, 149°2'E

z(m)	T(°C)
0	19.55
10	19.47
20	19.43
30	19.38
40	19.34
50	19.07
60	18.95
70	18.73
80	18.40
90	18.14
100	18.06
120	17.89
140	17.70
160	17.50
180	17.39
200	17.37
250	17.21
300	16.73
350	16.33
400	15.37
450	14.52
500	13.34
550	11.95
600	10.48
650	8.90
700	7.51
750	6.30
800	5.54

X014 KH9302  
June 5, 1993  
31°3'N, 149°0'E

z(m)	T(°C)
0	18.99
10	18.95
20	18.92
30	18.87
40	18.53
50	18.50
60	18.46
70	18.36
80	18.24
90	18.07
100	17.88
120	17.61
140	17.53
160	17.50
180	17.47
200	17.37
250	17.26
300	17.18
350	17.00
400	16.38
450	15.33
500	14.19
550	12.86
600	11.45
650	9.89
700	8.48
750	6.98
800	6.16

X015 KH9302  
June 5, 1993  
31°4'N, 150°0'E

z(m)	T(°C)
0	18.95
10	18.92
20	18.86
30	18.81
40	18.49
50	18.14
60	18.03
70	17.94
80	17.90
90	17.85
100	17.78
120	17.61
140	17.46
160	17.46
180	17.36
200	17.32
250	17.26
300	17.24
350	17.21
400	16.78
450	15.62
500	14.52
550	13.31
600	11.85
650	10.17
700	8.31
750	7.14
800	5.89

X016 KH9302  
June 5, 1993  
31°5'N, 150°0'E

z(m)	T(°C)
0	19.53
10	19.49
20	19.41
30	19.35
40	19.09
50	18.73
60	18.28
70	18.24
80	18.13
90	18.03
100	17.86
120	17.59
140	17.54
160	17.50
180	17.46
200	17.40
250	17.27
300	16.94
350	16.39
400	15.52
450	14.68
500	13.23
550	12.05
600	10.98
650	9.23
700	7.53
750	6.25
800	5.52

X017 KH9302  
June 5, 1993  
31°6'N, 151°0'E

z(m)	T(°C)
0	19.89
10	19.90
20	19.86
30	19.80
40	19.68
50	19.39
60	18.54
70	18.26
80	18.11
90	17.89
100	17.78
120	17.66
140	17.55
160	17.50
180	17.47
200	17.42
250	17.19
300	16.84
350	16.27
400	15.57
450	14.55
500	13.54
550	11.97
600	10.73
650	9.15
700	7.81
750	6.48
800	5.57

X018 KH9302  
June 5, 1993  
31°6'N, 151°0'E

z(m)	T(°C)
0	20.46
10	20.16
20	19.95
30	19.84
40	19.50
50	19.18
60	18.93
70	18.74
80	18.55
90	18.07
100	17.86
120	17.53
140	17.47
160	17.44
180	17.39
200	17.37
250	17.27
300	17.22
350	16.89
400	16.05
450	14.88
500	13.51
550	11.92
600	10.32
650	9.06
700	7.66
750	6.53
800	5.47

X019 KH9302  
June 5, 1993  
31°7'N, 152°0'E

z(m)	T(°C)
0	19.98
10	19.94
20	19.77
30	19.70
40	19.57
50	19.37
60	19.29
70	19.25
80	18.99
90	18.46
100	17.99
120	17.76
140	17.47
160	17.27
180	17.14
200	17.11
250	16.94
300	16.52
350	15.83
400	15.08
450	14.01
500	12.52
550	11.36
600	9.63
650	7.91
700	6.66
750	5.56
800	5.17

X020 KH9302  
June 5, 1993  
30°8'N, 152°0'E

z(m)	T(°C)
0	20.80
10	20.79
20	20.48
30	20.11
40	19.96
50	19.82
60	19.17
70	18.72
80	18.35
90	18.16
100	17.99
120	17.59
140	17.47
160	17.43
180	17.39
200	17.29
250	17.17
300	16.95
350	16.44
400	15.73
450	14.57
500	13.20
550	11.72
600	10.11
650	9.02
700	7.32
750	6.08
800	5.23

X021 KH9302  
June 5, 1993  
30°8'N, 153°0'E

z(m)	T(°C)
0	19.72
10	19.56
20	18.81
30	18.03
40	17.96
50	17.89
60	17.82
70	17.62
80	17.45
90	17.28
100	17.19
120	17.16
140	17.11
160	17.10
180	17.09
200	17.07
250	17.01
300	16.51
350	15.78
400	14.67
450	13.45
500	12.01
550	11.07
600	9.63
650	8.48
700	7.32
750	6.20
800	5.41

X022 KH9302  
June 5, 1993  
30°9'N, 153°0'E

z(m)	T(°C)
0	21.45
10	21.34
20	21.17
30	20.51
40	20.31
50	19.87
60	19.71
70	19.23
80	19.05
90	18.89
100	18.56
120	17.89
140	17.59
160	17.42
180	17.24
200	17.18
250	17.09
300	16.55
350	15.50
400	14.31
450	13.07
500	11.67
550	10.70
600	9.69
650	8.18
700	7.39
750	6.46
800	5.47

X023 KH9302  
June 5, 1993  
30°0'N, 154°0'E

z(m)	T(°C)
0	21.91
10	21.86
20	21.70
30	20.97
40	20.35
50	20.17
60	19.80
70	19.48
80	19.22
90	19.00
100	18.79
120	18.37
140	18.09
160	17.97
180	17.71
200	17.55
250	17.02
300	16.52
350	15.92
400	14.57
450	13.46
500	12.17
550	10.70
600	9.55
650	8.39
700	7.39
750	6.16
800	5.57

X024 KH9302  
June 5, 1993  
30°0'N, 154°0'E

z(m)	T(°C)
0	21.38
10	21.37
20	20.85
30	20.03
40	19.94
50	19.14
60	19.02
70	18.49
80	18.26
90	18.07
100	17.86
120	17.76
140	17.64
160	17.50
180	17.36
200	17.27
250	17.06
300	16.70
350	15.55
400	14.53
450	13.20
500	11.82
550	10.48
600	9.29
650	7.45
700	6.62
750	5.73
800	5.32

X025 KH9302  
June 5, 1993  
30°1'N, 155°0'E

z(m)	T(°C)
0	21.74
10	21.17
20	20.53
30	20.39
40	20.24
50	18.89
60	18.50
70	18.18
80	17.93
90	17.72
100	17.60
120	17.37
140	17.20
160	17.06
180	16.81
200	16.73
250	16.23
300	15.54
350	14.74
400	13.62
450	12.43
500	11.06
550	9.82
600	8.38
650	7.36
700	6.45
750	5.54
800	5.06

X026 KH9302  
June 5, 1993  
30°1'N, 155°0'E

z(m)	T(°C)
0	22.92
10	22.85
20	22.04
30	21.75
40	21.51
50	20.56
60	20.24
70	19.86
80	19.56
90	19.25
100	18.97
120	18.78
140	18.31
160	17.97
180	17.53
200	17.29
250	16.62
300	16.05
350	15.49
400	14.40
450	13.14
500	12.11
550	10.88
600	9.18
650	8.04
700	6.58
750	5.90
800	5.29

X027 KH9302  
June 5, 1993  
29°2'N, 156°0'E

z(m)	T(°C)
0	22.50
10	22.37
20	20.67
30	19.69
40	19.36
50	18.71
60	18.52
70	18.36
80	18.25
90	18.21
100	18.06
120	17.80
140	17.61
160	17.53
180	17.50
200	17.44
250	17.28
300	17.03
350	16.59
400	15.90
450	14.70
500	13.57
550	12.45
600	10.78
650	9.24
700	7.93
750	6.79
800	5.95

X028 KH9302  
June 5, 1993  
29°3'N, 156°0'E

z(m)	T(°C)
0	21.10
10	20.20
20	19.67
30	19.26
40	18.81
50	18.57
60	18.44
70	18.43
80	18.38
90	18.32
100	18.29
120	18.27
140	18.27
160	18.27
180	18.22
200	18.09
250	17.04
300	16.87
350	16.73
400	16.55
450	16.38
500	15.41
550	14.04
600	12.56
650	10.82
700	9.49
750	7.78
800	6.48

X029 KH9302  
June 5, 1993  
29°3'N, 157°0'E

z(m)	T(°C)
0	22.08
10	22.11
20	21.84
30	21.37
40	21.14
50	20.24
60	19.69
70	19.46
80	19.25
90	19.05
100	18.90
120	18.71
140	18.26
160	17.94
180	17.73
200	17.53
250	16.97
300	16.60
350	16.07
400	15.29
450	14.07
500	12.71
550	11.87
600	11.26
650	9.99
700	8.44
750	6.73
800	5.79

X030 KH9302  
June 5, 1993  
29°4'N, 157°0'E

z(m)	T(°C)
0	20.62
10	20.58
20	19.47
30	19.26
40	19.17
50	18.55
60	18.16
70	18.04
80	17.92
90	17.78
100	17.69
120	17.49
140	17.35
160	17.32
180	17.22
200	17.12
250	16.62
300	16.11
350	15.32
400	14.29
450	13.03
500	11.91
550	10.79
600	9.43
650	7.81
700	6.31
750	5.52
800	5.14

**X031** KH9302  
June 5, 1993  
29°4'N, 158°0'E

z(m)	T(°C)
0	21.18
10	21.21
20	21.07
30	20.55
40	19.66
50	19.24
60	19.06
70	18.74
80	18.49
90	18.24
100	18.14
120	17.92
140	17.68
160	17.50
180	17.36
200	17.26
250	16.91
300	16.28
350	15.28
400	14.00
450	12.87
500	12.13
550	11.52
600	10.13
650	8.67
700	7.31
750	6.21
800	5.61

**X032** KH9302  
June 5, 1993  
29°5'N, 158°0'E

z(m)	T(°C)
0	21.77
10	21.70
20	21.37
30	20.47
40	19.45
50	18.99
60	18.72
70	18.57
80	18.37
90	18.14
100	18.01
120	17.64
140	17.50
160	17.41
180	17.32
200	17.16
250	16.73
300	16.20
350	15.22
400	14.08
450	12.77
500	11.25
550	9.95
600	8.56
650	7.01
700	5.91
750	5.33
800	4.91

**X033** KH9302  
June 5, 1993  
28°5'N, 159°0'E

z(m)	T(°C)
0	22.54
10	22.42
20	21.57
30	21.09
40	20.60
50	19.19
60	19.01
70	18.72
80	18.61
90	18.40
100	18.21
120	17.89
140	17.52
160	17.24
180	17.11
200	16.90
250	16.38
300	15.67
350	14.78
400	13.56
450	12.21
500	11.02
550	9.56
600	8.21
650	6.71
700	5.75
750	5.06
800	4.63

**X034** KH9302  
June 5, 1993  
28°6'N, 159°0'E

z(m)	T(°C)
0	24.39
10	24.30
20	23.94
30	22.82
40	22.66
50	22.21
60	21.17
70	20.54
80	20.35
90	19.79
100	19.44
120	18.65
140	18.18
160	17.97
180	17.79
200	17.45
250	16.85
300	16.23
350	15.31
400	13.99
450	12.89
500	11.54
550	10.10
600	8.83
650	7.52
700	6.35
750	5.85
800	5.20

**X035** KH9302  
June 5, 1993  
28°6'N, 160°0'E

z(m)	T(°C)
0	24.39
10	24.30
20	23.18
30	21.62
40	21.27
50	20.72
60	19.83
70	19.35
80	18.87
90	18.49
100	18.28
120	17.93
140	17.63
160	17.45
180	17.24
200	17.13
250	16.95
300	16.63
350	15.97
400	14.30
450	13.02
500	11.38
550	9.90
600	8.54
650	7.53
700	6.71
750	6.03
800	5.44

**X036** KH9302  
June 5, 1993  
28°7'N, 160°0'E

z(m)	T(°C)
0	24.08
10	24.10
20	23.93
30	23.13
40	21.88
50	20.96
60	20.06
70	19.80
80	19.59
90	19.40
100	18.92
120	18.25
140	17.98
160	17.78
180	17.55
200	17.41
250	16.90
300	16.32
350	15.56
400	14.38
450	13.03
500	11.91
550	10.45
600	8.87
650	7.69
700	6.73
750	5.86
800	5.38

**X037** KH9302  
June 5, 1993  
28°7'N, 161°0'E

z(m)	T(°C)
0	25.24
10	25.22
20	24.31
30	23.42
40	21.64
50	21.27
60	20.62
70	20.07
80	19.70
90	19.54
100	19.13
120	18.69
140	18.26
160	17.92
180	17.74
200	17.49
250	16.93
300	16.30
350	15.63
400	14.46
450	13.26
500	12.29
550	11.23
600	9.89
650	8.37
700	6.98
750	6.19
800	5.48

**X038** KH9302  
June 5, 1993  
28°7'N, 161°0'E

z(m)	T(°C)
0	22.92
10	22.14
20	21.16
30	20.90
40	20.12
50	19.46
60	19.14
70	18.84
80	18.43
90	18.28
100	18.09
120	17.91
140	17.79
160	17.64
180	17.53
200	17.33
250	16.90
300	16.40
350	15.61
400	14.30
450	13.02
500	12.56
550	12.41
600	10.94
650	8.98
700	7.10
750	6.28
800	5.65

**X039** KH9302  
June 5, 1993  
27°8'N, 162°0'E

z(m)	T(°C)
0	23.55
10	23.07
20	21.30
30	21.06
40	20.67
50	19.79
60	19.39
70	18.88
80	18.72
90	18.50
100	18.26
120	18.02
140	17.70
160	17.43
180	17.10
200	16.99
250	16.55
300	16.18
350	15.40
400	14.17
450	12.88
500	11.93
550	10.31
600	8.73
650	7.53
700	6.64
750	5.76
800	5.16

**X040** KH9302  
June 5, 1993  
27°8'N, 162°0'E

z(m)	T(°C)
0	23.03
10	23.05
20	21.44
30	20.32
40	19.94
50	19.41
60	19.20
70	19.00
80	18.78
90	18.61
100	18.44
120	17.97
140	17.67
160	17.41
180	17.18
200	16.97
250	16.73
300	16.01
350	14.96
400	13.63
450	12.45
500	11.64
550	10.41
600	8.77
650	7.12
700	6.00
750	5.49
800	5.04

**X041** KH9302  
June 5, 1993  
27°9'N, 163°0'E

z(m)	T(°C)
0	23.79
10	23.65
20	21.93
30	21.62
40	21.33
50	20.75
60	19.33
70	18.95
80	18.37
90	18.17
100	17.96
120	17.74
140	17.49
160	17.24
180	17.02
200	16.90
250	16.32
300	15.61
350	14.43
400	13.25
450	12.01
500	10.48
550	9.05
600	7.54
650	6.44
700	5.91
750	5.58
800	5.18

**X042** KH9302  
June 5, 1993  
27°9'N, 163°0'E

z(m)	T(°C)
0	24.78
10	24.37
20	22.52
30	21.57
40	20.37
50	19.77
60	19.53
70	19.26
80	18.98
90	18.90
100	18.61
120	18.22
140	17.78
160	17.36
180	17.03
200	16.77
250	16.09
300	15.28
350	14.24
400	12.99
450	11.73
500	10.12
550	9.19
600	7.93
650	6.72
700	5.96
750	5.25
800	4.79

**X043** KH9302  
June 5, 1993  
27°9'N, 164°0'E

z(m)	T(°C)
0	25.53
10	25.51
20	24.99
30	24.67
40	24.32
50	23.25
60	22.23
70	21.81
80	21.50
90	21.10
100	20.24
120	19.53
140	18.56
160	17.81
180	17.52
200	17.24
250	16.70
300	15.79
350	14.35
400	13.32
450	12.15
500	10.75
550	9.58
600	8.44
650	7.11
700	6.37
750	5.79
800	5.35

**X044** KH9302  
June 5, 1993  
27°0'N, 164°0'E

z(m)	T(°C)
0	25.37
10	25.18
20	24.80
30	24.56
40	24.48
50	23.86
60	23.48
70	22.85
80	22.49
90	21.73
100	21.40
120	20.64
140	19.69
160	18.79
180	18.00
200	17.32
250	16.51
300	15.92
350	14.78
400	13.55
450	12.28
500	10.90
550	9.58
600	8.38
650	7.48
700	6.60
750	5.99
800	5.72

**X045** KH9302  
June 5, 1993  
27°0'N, 165°0'E

z(m)	T(°C)
0	24.72
10	24.91
20	24.91
30	24.61
40	24.19
50	23.60
60	22.92
70	21.83
80	21.39
90	21.05
100	20.48
120	19.71
140	18.99
160	18.04
180	17.63
200	17.16
250	16.19
300	15.32
350	14.34
400	12.93
450	11.87
500	10.61
550	9.52
600	8.62
650	7.46
700	6.76
750	6.25
800	6.10

**X046** KH9302  
June 5, 1993  
28°0'N, 165°0'E

z(m)	T(°C)
0	21.86
10	21.86
20	21.73
30	21.38
40	21.27
50	20.96
60	20.40
70	19.53
80	18.95
90	18.39
100	17.93
120	17.34
140	17.17
160	17.05
180	17.05
200	17.03
250	16.96
300	16.60
350	15.65
400	14.45
450	13.40
500	12.32
550	10.87
600	9.50
650	8.42
700	7.10
750	6.08
800	5.45

**X047** KH9302  
June 5, 1993  
29°0'N, 165°0'E

z(m)	T(°C)
0	20.57
10	20.58
20	20.57
30	20.57
40	18.98
50	18.31
60	18.09
70	17.92
80	17.43
90	17.21
100	17.10
120	17.02
140	17.05
160	17.10
180	17.09
200	17.14
250	17.06
300	16.69
350	15.92
400	15.20
450	14.16
500	13.18
550	12.04
600	10.69
650	9.43
700	7.87
750	6.95
800	6.08

**X048** KH9302  
June 5, 1993  
31°0'N, 165°0'E

z(m)	T(°C)
0	20.56
10	20.57
20	20.58
30	20.53
40	20.43
50	19.79
60	19.11
70	18.42
80	18.19
90	17.66
100	17.50
120	17.29
140	17.17
160	17.13
180	17.09
200	17.07
250	16.95
300	16.46
350	15.78
400	14.74
450	13.54
500	11.97
550	10.92
600	9.68
650	8.15
700	7.09
750	6.50
800	6.14

**X049** KH9302  
June 5, 1993  
33°0'N, 165°0'E

z(m)	T(°C)
0	17.87
10	17.85
20	17.87
30	17.78
40	17.32
50	17.22
60	17.20
70	16.99
80	16.81
90	16.54
100	16.40
120	15.64
140	15.04
160	14.52
180	14.00
200	13.61
250	13.21
300	12.22
350	11.36
400	10.01
450	8.74
500	7.87
550	6.66
600	6.78
650	6.63
700	6.20
750	5.93
800	5.73

**X050** KH9302  
June 5, 1993  
35°0'N, 165°0'E

z(m)	T(°C)
0	15.96
10	15.95
20	15.87
30	15.73
40	15.67
50	15.28
60	14.77
70	14.19
80	13.81
90	13.67
100	13.51
120	13.11
140	12.73
160	12.46
180	12.29
200	12.07
250	10.77
300	9.71
350	8.41
400	7.08
450	6.19
500	5.43
550	4.95
600	4.85
650	4.93
700	4.64
750	4.39
800	4.19

X051 KH9302  
July 6, 1993  
37°0'N, 145°1'E

z(m)	T(°C)
0	17.32
10	17.33
20	16.82
30	16.55
40	16.57
50	16.36
60	15.28
70	14.59
80	13.74
90	13.06
100	12.60
120	11.89
140	11.01
160	8.87
180	8.78
200	8.11
250	4.18
300	4.40
350	5.10
400	4.51
450	3.35
500	3.67
550	4.10
600	4.81
650	4.90
700	4.10
750	4.77
800	4.14

X052 KH9302  
July 6, 1993  
36°0'N, 145°0'E

z(m)	T(°C)
0	20.82
10	20.84
20	20.86
30	20.88
40	20.85
50	20.10
60	19.01
70	18.07
80	17.45
90	17.04
100	16.49
120	15.58
140	14.73
160	13.67
180	13.03
200	12.25
250	10.89
300	7.82
350	7.18
400	6.07
450	5.34
500	5.32
550	5.17
600	5.02
650	4.78
700	4.46
750	4.40
800	4.24

X053 KH9302  
July 6, 1993  
36°0'N, 145°0'E

z(m)	T(°C)
0	19.50
10	19.53
20	19.50
30	19.11
40	16.70
50	15.49
60	15.00
70	14.36
80	13.89
90	13.44
100	12.79
120	11.43
140	9.56
160	9.80
180	7.88
200	7.18
250	5.60
300	6.24
350	5.33
400	5.04
450	4.46
500	4.54
550	4.41
600	4.20
650	3.94
700	3.84
750	3.64
800	3.52

X054 KH9302  
July 6, 1993  
36°0'N, 145°0'E

z(m)	T(°C)
0	17.55
10	17.55
20	17.51
30	16.37
40	13.35
50	11.87
60	11.74
70	11.04
80	10.53
90	10.03
100	9.47
120	8.26
140	7.05
160	6.01
180	5.99
200	4.94
250	7.09
300	5.33
350	4.73
400	4.57
450	4.35
500	4.18
550	4.03
600	3.80
650	3.71
700	3.60
750	3.39
800	3.24

X055 KH9302  
July 6, 1993  
35°0'N, 144°3'E

z(m)	T(°C)
0	17.95
10	17.85
20	17.11
30	15.76
40	15.10
50	13.99
60	13.56
70	12.62
80	12.27
90	11.33
100	10.49
120	9.11
140	8.18
160	8.17
180	6.52
200	6.57
250	5.62
300	5.13
350	4.91
400	4.49
450	4.22
500	3.96
550	3.53
600	3.54
650	3.80
700	3.74
750	3.63
800	3.40

X056 KH9302  
July 6, 1993  
35°0'N, 144°2'E

z(m)	T(°C)
0	18.06
10	18.07
20	17.17
30	16.87
40	15.12
50	13.53
60	13.29
70	12.35
80	11.39
90	10.49
100	10.38
120	8.59
140	8.15
160	7.53
180	6.63
200	6.40
250	4.78
300	4.83
350	5.05
400	4.95
450	4.66
500	4.47
550	4.42
600	4.11
650	4.20
700	3.94
750	3.69
800	3.56

X057 KH9302  
July 6, 1993  
35°0'N, 145°0'E

z(m)	T(°C)
0	17.42
10	17.31
20	17.06
30	15.71
40	14.28
50	13.43
60	13.00
70	12.75
80	12.09
90	11.29
100	9.93
120	9.41
140	7.82
160	7.40
180	7.99
200	7.84
250	5.39
300	6.48
350	4.13
400	4.51
450	5.52
500	5.29
550	5.42
600	5.47
650	5.88

X058 KH9302  
July 6, 1993  
34°0'N, 145°0'E

z(m)	T(°C)
0	19.50
10	19.30
20	18.64
30	17.79
40	17.71
50	16.70
60	15.75
70	14.88
80	14.01
90	13.30
100	12.98
120	12.27
140	11.87
160	10.29
180	9.59
200	7.77
250	5.86
300	4.26
350	5.46
400	4.31
450	4.54
500	4.32
550	4.40
600	4.71
650	4.50
700	4.44
750	4.33
800	4.28

X059 KH9302  
July 6, 1993  
34°0'N, 145°0'E

z(m)	T(°C)
0	22.77
10	22.82
20	22.86
30	22.17
40	20.67
50	20.18
60	19.63
70	18.82
80	18.48
90	18.22
100	17.82
120	17.04
140	16.27
160	15.75
180	15.02
200	14.00
250	11.62
300	8.70
350	7.94
400	5.28
450	4.69
500	4.77
550	4.64
600	4.06
650	4.45
700	4.33
750	3.97
800	3.92

X060 KH9302  
July 6, 1993  
34°0'N, 145°0'E

z(m)	T(°C)
0	22.70
10	22.72
20	22.76
30	22.77
40	22.76
50	21.27
60	21.11
70	20.67
80	19.62
90	19.28
100	19.16
120	18.67
140	18.31
160	17.94
180	17.43
200	17.08
250	16.03
300	14.84
350	13.54
400	10.71
450	9.14
500	7.74
550	7.03
600	6.19
650	4.77
700	4.06
750	3.50
800	3.77

**X061** KH9302  
July 6, 1993  
33°0'N, 145°0'E

z(m)	T(°C)
0	22.05
10	22.06
20	22.03
30	20.45
40	20.39
50	20.35
60	19.99
70	19.29
80	19.10
90	18.93
100	18.80
120	18.48
140	18.19
160	18.00
180	17.85
200	17.65
250	17.36
300	16.66
350	15.48
400	14.15
450	12.94
500	11.06
550	10.01
600	8.63
650	8.08
700	7.43
750	6.78
800	5.98

**X062** KH9302  
July 6, 1993  
33°0'N, 145°0'E

z(m)	T(°C)
0	20.67
10	20.70
20	20.65
30	20.47
40	20.37
50	20.30
60	20.11
70	19.47
80	19.33
90	19.17
100	19.04
120	18.92
140	18.55
160	18.33
180	18.07
200	17.86
250	17.61
300	17.16
350	16.33
400	15.31
450	14.16
500	12.88
550	11.53
600	10.23
650	8.95
700	8.40
750	7.32
800	6.21

**X063** KH9302  
July 6, 1993  
33°0'N, 145°0'E

z(m)	T(°C)
0	20.44
10	20.39
20	19.95
30	19.86
40	19.78
50	19.62
60	19.30
70	18.90
80	18.64
90	18.47
100	18.37
120	18.19
140	18.02
160	17.93
180	17.79
200	17.72
250	17.61
300	17.44
350	16.84
400	16.04
450	15.00
500	13.80
550	12.51
600	11.25
650	9.93
700	9.05
750	4.40
800	3.80

**X064** KH9302  
July 6, 1993  
32°0'N, 145°0'E

z(m)	T(°C)
0	20.43
10	20.44
20	20.41
30	20.22
40	19.95
50	19.77
60	19.63
70	19.46
80	18.89
90	18.70
100	18.66
120	18.49
140	18.26
160	18.14
180	17.96
200	17.87
250	17.66
300	17.55
350	17.23
400	16.58
450	15.87
500	15.04
550	13.44
600	12.43
650	10.53
700	9.31
750	8.61
800	8.02

**X065** KH9302  
July 6, 1993  
32°0'N, 145°0'E

z(m)	T(°C)
0	21.25
10	21.26
20	21.19
30	21.13
40	21.08
50	20.84
60	20.34
70	20.19
80	19.98
90	19.80
100	19.73
120	19.29
140	19.06
160	18.89
180	18.77
200	18.61
250	18.04
300	17.66
350	17.16
400	16.49
450	15.74
500	14.75
550	13.92
600	12.54
650	11.58
700	10.41
750	7.71
800	6.28

**X066** KH9302  
July 6, 1993  
32°0'N, 145°0'E

z(m)	T(°C)
0	21.45
10	21.44
20	21.36
30	21.26
40	21.25
50	20.93
60	20.29
70	20.01
80	19.77
90	19.58
100	19.38
120	19.11
140	18.96
160	18.81
180	18.58
200	18.35
250	17.78
300	17.20
350	16.52
400	15.78
450	14.87
500	13.80
550	12.42
600	11.17
650	9.85
700	8.52
750	6.90
800	6.07

**X067** KH9302  
July 6, 1993  
31°0'N, 145°0'E

z(m)	T(°C)
0	20.77
10	20.78
20	20.78
30	20.62
40	20.28
50	19.66
60	19.24
70	19.03
80	18.86
90	18.76
100	18.56
120	18.37
140	18.16
160	18.00
180	17.82
200	17.73
250	17.53
300	17.36
350	16.82
400	16.09
450	15.19
500	14.05
550	12.53
600	11.22
650	9.40
700	7.81
750	6.70
800	6.20

**X068** KH9302  
July 6, 1993  
31°2'N, 145°0'E

z(m)	T(°C)
0	20.98
10	20.97
20	20.58
30	20.06
40	19.73
50	19.22
60	18.91
70	18.56
80	18.32
90	18.16
100	17.96
120	17.72
140	17.67
160	17.59
180	17.54
200	17.48
250	17.32
300	16.97
350	16.31
400	15.43
450	14.31
500	13.02
550	11.73
600	10.03
650	8.72
700	7.27
750	6.01
800	5.30

**X069** KH9302  
July 6, 1993  
31°0'N, 145°0'E

z(m)	T(°C)
0	21.00
10	20.53
20	19.67
30	19.27
40	18.89
50	18.66
60	18.41
70	18.30
80	18.14
90	18.03
100	17.90
120	17.76
140	17.61
160	17.50
180	17.43
200	17.37
250	16.99
300	16.42
350	15.63
400	14.46
450	13.17
500	12.03
550	10.42
600	8.93
650	7.57
700	6.65
750	5.65
800	4.86

**X071** KH9302  
July 6, 1993  
30°0'N, 145°0'E

z(m)	T(°C)
0	21.57
10	21.38
20	21.16
30	21.01
40	20.90
50	20.40
60	20.14
70	19.60
80	19.23
90	19.13
100	19.05
120	18.59
140	18.29
160	17.98
180	17.76
200	17.53
250	17.06
300	16.42
350	15.56
400	14.53
450	13.16
500	12.19
550	10.50
600	8.79
650	7.43
700	6.38
750	5.44
800	4.93



X072 KH9302  
July 6, 1993  
30°0'N, 145°0'E

z(m)	T(°C)
0	21.53
10	21.45
20	21.21
30	20.63
40	19.89
50	19.20
60	18.65
70	18.21
80	18.04
90	17.87
100	17.75
120	17.55
140	17.48
160	17.45
180	17.40
200	17.29
250	16.87
300	16.21
350	15.36
400	14.01
450	12.61
500	11.24
550	9.57
600	8.11
650	6.64
700	5.84
750	5.11
800	4.72

X073 KH9302  
July 6, 1993  
29°0'N, 145°0'E

z(m)	T(°C)
0	21.89
10	21.90
20	21.91
30	20.98
40	20.12
50	19.50
60	19.35
70	19.07
80	18.83
90	18.62
100	18.20
120	17.81
140	17.69
160	17.58
180	17.52
200	17.40
250	17.11
300	16.45
350	15.64
400	14.54
450	13.50
500	11.84
550	10.29
600	8.84
650	7.59
700	6.03
750	5.31
800	4.90

X074 KH9302  
July 6, 1993  
29°0'N, 145°0'E

z(m)	T(°C)
0	21.94
10	21.94
20	21.76
30	20.56
40	19.81
50	18.93
60	18.74
70	18.52
80	18.28
90	18.19
100	17.89
120	17.66
140	17.54
160	17.50
180	17.41
200	17.31
250	16.86
300	16.23
350	15.16
400	14.09
450	12.72
500	11.14
550	9.72
600	8.26
650	6.88
700	5.73
750	5.16
800	4.73

X075 KH9302  
July 6, 1993  
29°0'N, 145°0'E

z(m)	T(°C)
0	21.63
10	21.53
20	21.22
30	19.45
40	19.04
50	18.74
60	18.58
70	18.30
80	17.96
90	17.86
100	17.78
120	17.64
140	17.52
160	17.43
180	17.35
200	17.29
250	16.79
300	16.27
350	15.31
400	14.00
450	12.84
500	11.41
550	9.91
600	8.60
650	6.90
700	5.91
750	5.05
800	4.77

X076 KH9302  
July 6, 1993  
29°0'N, 144°0'E

z(m)	T(°C)
0	21.52
10	21.52
20	21.50
30	21.12
40	20.26
50	19.43
60	18.58
70	18.31
80	18.11
90	17.88
100	17.78
120	17.69
140	17.61
160	17.50
180	17.43
200	17.35
250	17.06
300	16.41
350	15.66
400	14.40
450	13.03
500	11.24
550	9.83
600	8.68
650	7.49
700	6.14
750	5.15
800	4.80

X077 KH9302  
July 6, 1993  
29°0'N, 144°0'E

z(m)	T(°C)
0	21.52
10	21.48
20	21.29
30	20.24
40	19.76
50	19.27
60	19.02
70	18.74
80	18.56
90	18.42
100	18.14
120	17.90
140	17.76
160	17.65
180	17.55
200	17.52
250	17.35
300	16.90
350	16.32
400	15.43
450	14.18
500	12.89
550	11.61
600	9.78
650	8.44
700	6.89
750	5.97
800	5.27

X078 KH9302  
July 6, 1993  
29°0'N, 143°0'E

z(m)	T(°C)
0	24.43
10	24.00
20	20.91
30	20.35
40	19.84
50	19.66
60	19.39
70	19.03
80	18.61
90	18.39
100	18.22
120	18.04
140	17.89
160	17.78
180	17.63
200	17.53
250	17.34
300	17.10
350	16.43
400	15.43
450	14.40
500	12.63
550	11.28
600	9.69
650	7.93
700	6.68
750	5.85
800	5.16

X079 KH9302  
July 6, 1993  
29°0'N, 143°0'E

z(m)	T(°C)
0	24.12
10	24.10
20	23.92
30	23.75
40	22.70
50	22.09
60	21.42
70	20.90
80	20.67
90	20.27
100	20.10
120	19.55
140	18.99
160	18.46
180	18.07
200	17.92
250	17.37
300	16.82
350	16.23
400	15.35
450	14.15
500	12.85
550	11.67
600	9.97
650	9.01
700	7.80
750	6.53
800	5.85

X080 KH9302  
July 6, 1993  
29°0'N, 142°0'E

z(m)	T(°C)
0	23.87
10	23.76
20	23.56
30	23.51
40	23.38
50	22.41
60	21.09
70	20.84
80	20.44
90	20.02
100	19.77
120	19.31
140	18.83
160	18.43
180	18.06
200	17.89
250	17.22
300	16.55
350	15.80
400	14.35
450	13.29
500	12.16
550	10.51
600	9.12
650	8.10
700	6.99
750	6.23
800	5.61

X081 KH9302  
July 6, 1993  
29°1'N, 141°2'E

z(m)	T(°C)
0	24.29
10	24.17
20	23.99
30	23.89
40	22.67
50	21.33
60	20.92
70	20.40
80	20.19
90	19.76
100	19.41
120	19.04
140	18.61
160	18.11
180	17.73
200	17.46
250	16.87
300	16.26
350	15.53
400	14.40
450	12.63
500	11.54
550	10.44
600	9.44
650	8.28
700	7.18
750	6.19
800	5.42

**X082** KH9302  
July 6, 1993  
28°0'N, 142°0'E

z(m)	T(°C)
0	24.00
10	23.94
20	23.82
30	23.75
40	23.70
50	22.38
60	21.64
70	20.64
80	20.27
90	19.63
100	19.16
120	18.86
140	18.42
160	18.23
180	18.10
200	17.83
250	17.21
300	16.36
350	15.71
400	14.61
450	13.62
500	12.34
550	11.15
600	9.69
650	8.56
700	7.14
750	6.68
800	5.98

**X083** KH9302  
July 6, 1993  
28°0'N, 143°1'E

z(m)	T(°C)
0	24.31
10	24.29
20	24.19
30	24.03
40	23.30
50	21.62
60	21.41
70	21.13
80	20.42
90	19.87
100	19.49
120	18.99
140	18.51
160	18.19
180	17.91
200	17.74
250	17.37
300	16.60
350	15.81
400	14.78
450	13.36
500	12.18
550	11.02
600	9.68
650	8.54
700	7.59
750	6.96
800	5.93

**X084** KH9302  
July 6, 1993  
28°0'N, 143°0'E

z(m)	T(°C)
0	24.48
10	24.43
20	24.30
30	24.23
40	23.95
50	22.92
60	21.78
70	20.95
80	20.44
90	20.11
100	19.62
120	18.90
140	18.48
160	18.30
180	18.16
200	17.90
250	17.59
300	17.03
350	16.12
400	15.16
450	14.04
500	12.84
550	11.45
600	10.45
650	9.59
700	7.92
750	6.79
800	6.05

**X085** KH9302  
July 6, 1993  
28°0'N, 144°0'E

z(m)	T(°C)
0	23.68
10	23.68
20	22.65
30	21.39
40	20.47
50	19.64
60	19.39
70	19.05
80	18.87
90	18.70
100	18.48
120	18.31
140	18.06
160	17.86
180	17.71
200	17.60
250	17.49
300	17.36
350	16.82
400	15.93
450	14.77
500	13.20
550	11.66
600	9.79
650	8.02
700	6.66
750	5.73
800	5.27

**X086** KH9302  
July 6, 1993  
27°0'N, 144°9'E

z(m)	T(°C)
0	22.15
10	22.06
20	21.60
30	20.94
40	19.61
50	19.14
60	18.76
70	18.29
80	18.04
90	17.96
100	17.87
120	17.76
140	17.67
160	17.60
180	17.55
200	17.51
250	17.42
300	17.13
350	16.41
400	15.27
450	14.36
500	12.57
550	10.91
600	8.86
650	7.55
700	6.59
750	5.73
800	5.10

**X087** KH9302  
July 6, 1993  
26°0'N, 145°0'E

z(m)	T(°C)
0	24.66
10	24.63
20	24.27
30	23.07
40	21.60
50	20.03
60	19.81
70	19.50
80	19.04
90	18.84
100	18.52
120	18.11
140	17.87
160	17.72
180	17.60
200	17.53
250	17.27
300	16.47
350	15.43
400	14.27
450	13.01
500	11.37
550	9.89
600	8.24
650	7.31
700	6.27
750	5.45
800	5.00

**X088** KH9302  
July 6, 1993  
25°0'N, 144°8'E

z(m)	T(°C)
0	26.14
10	26.02
20	26.03
30	25.67
40	24.47
50	21.62
60	20.79
70	19.99
80	19.75
90	19.45
100	19.12
120	18.45
140	18.21
160	17.91
180	17.61
200	17.29
250	16.62
300	16.04
350	15.16
400	13.11
450	11.97
500	11.23
550	9.63
600	8.47
650	7.36
700	6.09
750	5.30
800	4.75

**X089** KH9302  
July 6, 1993  
24°0'N, 145°0'E

z(m)	T(°C)
0	28.30
10	28.30
20	28.24
30	28.01
40	27.91
50	27.75
60	26.46
70	24.93
80	24.42
90	23.85
100	23.35
120	22.20
140	21.49
160	20.28
180	19.51
200	18.75
250	17.52
300	16.28
350	14.75
400	13.91
450	13.00
500	10.78
550	9.85
600	8.43
650	7.21
700	6.33
750	5.70
800	5.37

**X090** KH9302  
July 6, 1993  
23°0'N, 145°0'E

z(m)	T(°C)
0	28.11
10	28.11
20	28.09
30	27.95
40	26.84
50	25.35
60	24.21
70	23.82
80	23.62
90	23.18
100	22.68
120	22.13
140	21.12
160	20.31
180	19.14
200	18.27
250	17.25
300	16.53
350	15.47
400	13.87
450	12.53
500	11.33
550	10.13
600	8.44
650	7.52
700	6.70
750	5.86
800	5.12

**X091** KH9302  
July 6, 1993  
22°0'N, 145°0'E

z(m)	T(°C)
0	29.27
10	29.19
20	28.74
30	26.35
40	25.09
50	24.60
60	24.19
70	23.70
80	23.50
90	23.29
100	22.70
120	21.63
140	20.55
160	19.70
180	19.00
200	18.29
250	16.94
300	16.00
350	14.86
400	13.26
450	11.19
500	10.02
550	8.72
600	7.75
650	6.61
700	5.89
750	5.47
800	5.19

X092 KH9302  
July 6, 1993  
21°0'N, 145°0'E

z(m)	T(°C)
0	29.17
10	28.84
20	27.35
30	24.97
40	24.59
50	23.42
60	22.81
70	22.15
80	22.02
90	21.78
100	20.93
120	20.14
140	19.26
160	18.72
180	17.94
200	17.37
250	16.49
300	15.24
350	13.93
400	11.96
450	10.84
500	9.43
550	8.16
600	7.16
650	6.75
700	6.27
750	5.75
800	5.39

X093 KH9302  
July 6, 1993  
20°0'N, 145°5'E

z(m)	T(°C)
0	29.59
10	29.44
20	28.84
30	27.18
40	26.27
50	25.65
60	25.21
70	24.35
80	23.95
90	23.62
100	22.79
120	22.09
140	21.01
160	20.30
180	19.37
200	18.43
250	17.41
300	15.79
350	14.69
400	13.81
450	10.93
500	9.63
550	8.17
600	7.06
650	6.26
700	5.76
750	5.24
800	4.94

X094 KH9302  
July 6, 1993  
20°0'N, 144°2'E

z(m)	T(°C)
0	29.52
10	29.49
20	28.91
30	27.42
40	26.39
50	25.40
60	24.98
70	24.35
80	24.03
90	23.90
100	23.64
120	23.03
140	21.80
160	20.93
180	20.40
200	19.69
250	17.77
300	16.41
350	14.76
400	12.92
450	11.58
500	10.12

X095 KH9302  
July 6, 1993  
21°0'N, 144°6'E

z(m)	T(°C)
0	29.37
10	29.22
20	28.09
30	27.41
40	25.74
50	25.12
60	24.37
70	24.13
80	23.78
90	23.44
100	22.93
120	22.08
140	20.46
160	19.98
180	18.94
200	18.24
250	17.18
300	16.24
350	15.30
400	13.65
450	11.66
500	9.86

X096 KH9302  
July 6, 1993  
21°0'N, 144°7'E

z(m)	T(°C)
0	28.75
10	28.75
20	28.63
30	26.92
40	26.14
50	24.92
60	24.14
70	23.75
80	23.54
90	23.16
100	22.53
120	21.52
140	20.37
160	19.73
180	19.14
200	18.43
250	17.72
300	16.79
350	15.62
400	13.62
450	12.25
500	10.39

X097 KH9302  
July 6, 1993  
21°9'N, 143°0'E

z(m)	T(°C)
0	28.92
10	28.96
20	28.96
30	27.58
40	26.51
50	25.63
60	25.36
70	24.69
80	23.99
90	23.70
100	23.57
120	22.68
140	21.79
160	20.82
180	20.30
200	19.51
250	17.66
300	16.90
350	15.87
400	14.35
450	12.77
500	11.46

X098 KH9302  
July 6, 1993  
22°0'N, 143°1'E

z(m)	T(°C)
0	29.10
10	28.80
20	28.09
30	26.60
40	25.52
50	24.84
60	24.61
70	24.16
80	23.89
90	23.55
100	23.27
120	22.30
140	21.46
160	20.64
180	20.08
200	19.19
250	18.05
300	17.23
350	16.41
400	14.37
450	12.65
500	11.18

X099 KH9302  
July 6, 1993  
23°0'N, 143°3'E

z(m)	T(°C)
0	28.92
10	29.00
20	28.11
30	27.73
40	25.79
50	25.00
60	23.93
70	23.13
80	22.39
90	22.06
100	21.43
120	20.77
140	20.33
160	19.68
180	19.08
200	18.66
250	18.01
300	17.14
350	16.09
400	14.22
450	13.43
500	11.87

X100 KH9302  
July 6, 1993  
23°0'N, 142°5'E

z(m)	T(°C)
0	28.20
10	28.25
20	27.59
30	26.80
40	26.43
50	25.42
60	23.77
70	22.32
80	21.85
90	21.40
100	21.25
120	20.38
140	19.68
160	19.14
180	18.74
200	18.31
250	17.54
300	16.60
350	15.51
400	14.07
450	12.71
500	11.54

X101 KH9302  
July 6, 1993  
24°0'N, 142°6'E

z(m)	T(°C)
0	28.16
10	28.17
20	28.15
30	27.27
40	25.31
50	23.72
60	23.27
70	22.31
80	21.58
90	21.11
100	20.31
120	19.81
140	19.06
160	18.61
180	18.20
200	17.55
250	16.81
300	16.09
350	15.04
400	13.98
450	12.62
500	11.15

X102 KH9302  
July 6, 1993  
24°0'N, 142°8'E

z(m)	T(°C)
0	27.71
10	27.75
20	26.78
30	25.40
40	23.18
50	22.49
60	21.54
70	21.05
80	20.91
90	20.26
100	19.97
120	19.59
140	19.07
160	18.68
180	18.32
200	17.50
250	16.76
300	15.89
350	14.33
400	13.19
450	11.76
500	10.50

X103 KH9302  
July 6, 1993  
25°0'N, 142°0'E

z(m)	T(°C)
0	26.27
10	26.27
20	25.58
30	24.85
40	23.05
50	22.50
60	21.55
70	20.98
80	20.53
90	20.23
100	19.92
120	19.34
140	18.92
160	18.60
180	18.35
200	17.98
250	17.37
300	16.36
350	15.33
400	14.31
450	12.64
500	11.19
550	9.29
600	8.07
650	7.04
700	6.30
750	5.71
800	5.25

X104 KH9302  
July 6, 1993  
25°0'N, 142°0'E

z(m)	T(°C)
0	24.96
10	24.99
20	25.01
30	24.36
40	22.86
50	21.42
60	21.36
70	20.74
80	20.26
90	19.91
100	19.87
120	19.51
140	19.15
160	18.78
180	18.36
200	17.88
250	16.65
300	15.49
350	14.38
400	13.62
450	12.34
500	11.12
550	9.57
600	8.45
650	6.87
700	5.90
750	5.34
800	4.92

X105 KH9302  
July 6, 1993  
26°0'N, 142°0'E

z(m)	T(°C)
0	24.58
10	24.60
20	23.74
30	22.75
40	22.29
50	21.05
60	20.80
70	19.89
80	19.57
90	19.45
100	19.21
120	18.86
140	18.67
160	18.32
180	18.03
200	17.86
250	17.49
300	16.78
350	16.01
400	14.50
450	13.32
500	11.55
550	10.29
600	8.48
650	7.10
700	6.54
750	5.76
800	4.96

X106 KH9302  
July 6, 1993  
26°0'N, 142°0'E

z(m)	T(°C)
0	23.38
10	23.29
20	22.56
30	21.89
40	21.34
50	20.77
60	20.35
70	20.16
80	19.81
90	19.57
100	19.30
120	18.49
140	18.27
160	18.09
180	17.91
200	17.68
250	17.13
300	16.33
350	15.42
400	14.29
450	13.32
500	11.67
550	10.61
600	9.26
650	7.54
700	6.81
750	6.02
800	5.22

X107 KH9302  
July 6, 1993  
27°0'N, 142°0'E

z(m)	T(°C)
0	23.40
10	23.32
20	22.75
30	22.51
40	22.35
50	21.23
60	20.35
70	19.82
80	19.27
90	19.22
100	18.81
120	18.49
140	18.33
160	18.13
180	17.96
200	17.75
250	17.37
300	16.61
350	16.06
400	14.88
450	13.50
500	12.01
550	10.25
600	8.90
650	8.05
700	7.04
750	6.31
800	6.10

X108 KH9302  
July 6, 1993  
27°0'N, 142°0'E

z(m)	T(°C)
0	23.21
10	23.04
20	22.52
30	21.77
40	20.54
50	20.38
60	20.28
70	19.91
80	19.68
90	19.20
100	18.90
120	18.42
140	18.10
160	17.86
180	17.64
200	17.53
250	17.06
300	16.42
350	15.45
400	13.77
450	12.06
500	10.92
550	9.65
600	8.47
650	7.30
700	6.26
750	5.72
800	5.12

X109 KH9302  
July 6, 1993  
28°5'N, 142°0'E

z(m)	T(°C)
0	22.65
10	22.17
20	21.65
30	21.43
40	21.15
50	20.46
60	20.01
70	19.26
80	19.20
90	19.06
100	18.84
120	18.74
140	18.51
160	18.22
180	17.87
200	17.59
250	17.11
300	16.62
350	15.16
400	13.88
450	12.91
500	11.40
550	10.54
600	8.92
650	7.61
700	6.67
750	6.01
800	5.54

X110 KH9302  
July 6, 1993  
28°0'N, 142°0'E

z(m)	T(°C)
0	22.27
10	21.93
20	21.72
30	21.54
40	20.66
50	19.76
60	19.06
70	18.86
80	18.52
90	18.34
100	18.10
120	17.90
140	17.87
160	17.50
180	17.43
200	17.20
250	16.73
300	15.96
350	15.23
400	13.98
450	12.97
500	11.81
550	10.39
600	8.65
650	7.47
700	6.89
750	6.38
800	5.63

X111 KH9302  
July 6, 1993  
29°1'N, 141°4'E

z(m)	T(°C)
0	22.65
10	22.67
20	21.51
30	21.24
40	21.10
50	20.90
60	20.43
70	19.94
80	19.60
90	19.50
100	19.36
120	18.71
140	18.20
160	17.86
180	17.61
200	17.29
250	16.65
300	15.92
350	14.96
400	13.86
450	12.96
500	11.17
550	9.98
600	9.23
650	7.93
700	6.87
750	5.86
800	5.32

X112 KH9302  
July 6, 1993  
29°0'N, 142°0'E

z(m)	T(°C)
0	24.12
10	23.22
20	23.03
30	22.92
40	22.29
50	21.25
60	20.85
70	20.53
80	20.27
90	20.12
100	19.79
120	19.35
140	19.00
160	18.71
180	18.33
200	17.99
250	17.11
300	16.65
350	15.91
400	15.01
450	13.86
500	12.63
550	11.16
600	10.12
650	8.78
700	7.32
750	6.53
800	5.88

X113 KH9302  
July 6, 1993  
30°0'N, 142°0'E

z(m)	T(°C)
0	23.87
10	23.64
20	23.47
30	23.41
40	22.90
50	21.49
60	20.46
70	20.06
80	19.72
90	19.57
100	19.49
120	19.24
140	18.90
160	18.54
180	18.28
200	18.03
250	17.65
300	17.14
350	16.50
400	15.87
450	14.69
500	13.11
550	11.64
600	10.43
650	9.42
700	7.88
750	7.06
800	6.29

X114 KH9302  
July 6, 1993  
30°0'N, 142°0'E

z(m)	T(°C)
0	23.55
10	22.95
20	22.79
30	22.34
40	22.26
50	21.50
60	20.40
70	19.51
80	18.76
90	18.50
100	18.39
120	18.23
140	18.11
160	17.98
180	17.79
200	17.69
250	17.19
300	16.82
350	16.25
400	15.11
450	14.08
500	13.08
550	11.87
600	10.61
650	9.46
700	8.37
750	7.24
800	6.37

X115 KH9302  
July 6, 1993  
31°0'N, 142°0'E

z(m)	T(°C)
0	23.38
10	23.40
20	23.13
30	22.91
40	22.38
50	20.87
60	20.25
70	20.04
80	19.76
90	19.48
100	19.07
120	18.66
140	18.24
160	18.01
180	17.81
200	17.56
250	16.95
300	16.40
350	15.65
400	14.92
450	13.82
500	12.46
550	11.33
600	9.97
650	8.54
700	7.24
750	6.04
800	5.64

X116 KH9302  
July 6, 1993  
31°0'N, 142°0'E

z(m)	T(°C)
0	23.32
10	23.32
20	22.77
30	22.40
40	21.49
50	20.39
60	19.99
70	19.68
80	19.48
90	19.28
100	18.80
120	18.35
140	18.03
160	17.81
180	17.53
200	17.35
250	16.97
300	16.37
350	15.59
400	14.55
450	13.40
500	11.95
550	10.77
600	9.40
650	8.18
700	6.96
750	5.92
800	5.29

X117 KH9302  
July 6, 1993  
32°0'N, 142°0'E

z(m)	T(°C)
0	22.54
10	22.53
20	22.33
30	22.20
40	21.28
50	20.28
60	20.03
70	19.50
80	19.02
90	18.67
100	18.56
120	18.27
140	18.06
160	17.89
180	17.72
200	17.59
250	17.37
300	16.79
350	16.06
400	15.21
450	13.76
500	12.63
550	11.48
600	10.23
650	9.03
700	7.69
750	6.94
800	5.93

X118 KH9302  
July 6, 1993  
32°0'N, 142°0'E

z(m)	T(°C)
0	21.35
10	21.31
20	20.88
30	20.34
40	20.00
50	19.18
60	18.80
70	18.68
80	18.60
90	18.48
100	18.36
120	18.13
140	17.94
160	17.78
180	17.71
200	17.61
250	17.40
300	17.13
350	16.35
400	15.45
450	14.31
500	13.24
550	11.78
600	10.48
650	8.69
700	8.05
750	5.19
800	5.75

X119 KH9302  
July 6, 1993  
33°0'N, 142°0'E

z(m)	T(°C)
0	20.90
10	20.90
20	20.75
30	20.51
40	20.20
50	19.64
60	19.38
70	19.16
80	18.87
90	18.70
100	18.59
120	18.45
140	18.24
160	18.03
180	17.97
200	17.76
250	17.54
300	17.14
350	16.58
400	15.87
450	15.00
500	13.76
550	12.73
600	10.72
650	9.59
700	8.28
750	7.37
800	6.35

X120 KH9302  
July 6, 1993  
33°0'N, 142°0'E

z(m)	T(°C)
0	21.06
10	21.06
20	21.05
30	20.77
40	20.67
50	19.86
60	19.36
70	19.22
80	19.13
90	19.04
100	18.99
120	18.74
140	18.55
160	18.25
180	18.08
200	17.98
250	17.63
300	17.28
350	16.58
400	15.74
450	14.76
500	13.58
550	11.93
600	10.35
650	8.82
700	7.50
750	6.66
800	5.84

X121 KH9302  
January, 19x121  
x121°N, 142°0'E

z(m)	T(°C)
0	19.34
10	19.20
20	19.01
30	18.63
40	17.48
50	16.99
60	16.11
70	15.63
80	15.27
90	14.81
100	14.68
120	14.20
140	13.58
160	13.02
180	12.45
200	11.41
250	10.21
300	8.64
350	7.55
400	7.04
450	6.29
500	5.77
550	5.24
600	5.09
650	4.87
700	4.69
750	4.61
800	4.14

X122 KH9302		X123 KH9302		X124 KH9302	
July 6, 1993		July 6, 1993		July 6, 1993	
34°05'N, 139°58'E		34°01'N, 139°54'E		34°6'N, 139°3'E	
z(m)	T(C)	z(m)	T(C)	z(m)	T(C)
0	19.08	0	18.67	0	18.89
10	18.69	10	18.03	10	18.59
20	18.11	20	17.77	20	18.18
30	17.97	30	16.55	30	16.88
40	17.39	40	16.02	40	16.26
50	16.43	50	15.24	50	15.55
60	15.82	60	15.06	60	15.10
70	15.68	70	14.58	70	14.82
80	15.27	80	14.33	80	14.45
90	15.11	90	14.14	90	14.24
100	14.74	100	13.95	100	14.03
120	14.37	120	13.64	120	13.52
140	13.74	140	13.11	140	12.97
160	12.91	160	12.52	160	12.33
180	12.27	180	12.12	180	11.71
200	11.99	200	11.45	200	11.05
250	10.08	250	10.11	250	9.55
300	9.01	300	9.10	300	8.08
350	8.16	350	7.99	350	7.27
400	7.37	400	7.40	400	6.58
450	6.79	450	6.95	450	6.10
500	6.13	500	6.52	500	5.64
550	5.43	550	6.14	550	5.18
600	5.44	600	5.77		
650	5.00	650	5.45		
700	5.26	700	5.22		
750	4.94	750	5.03		
800	4.64	800	4.63		

The depth of XBT probe is calculated according to Hanawa and Yoritaka (1987).  
The equation used here is

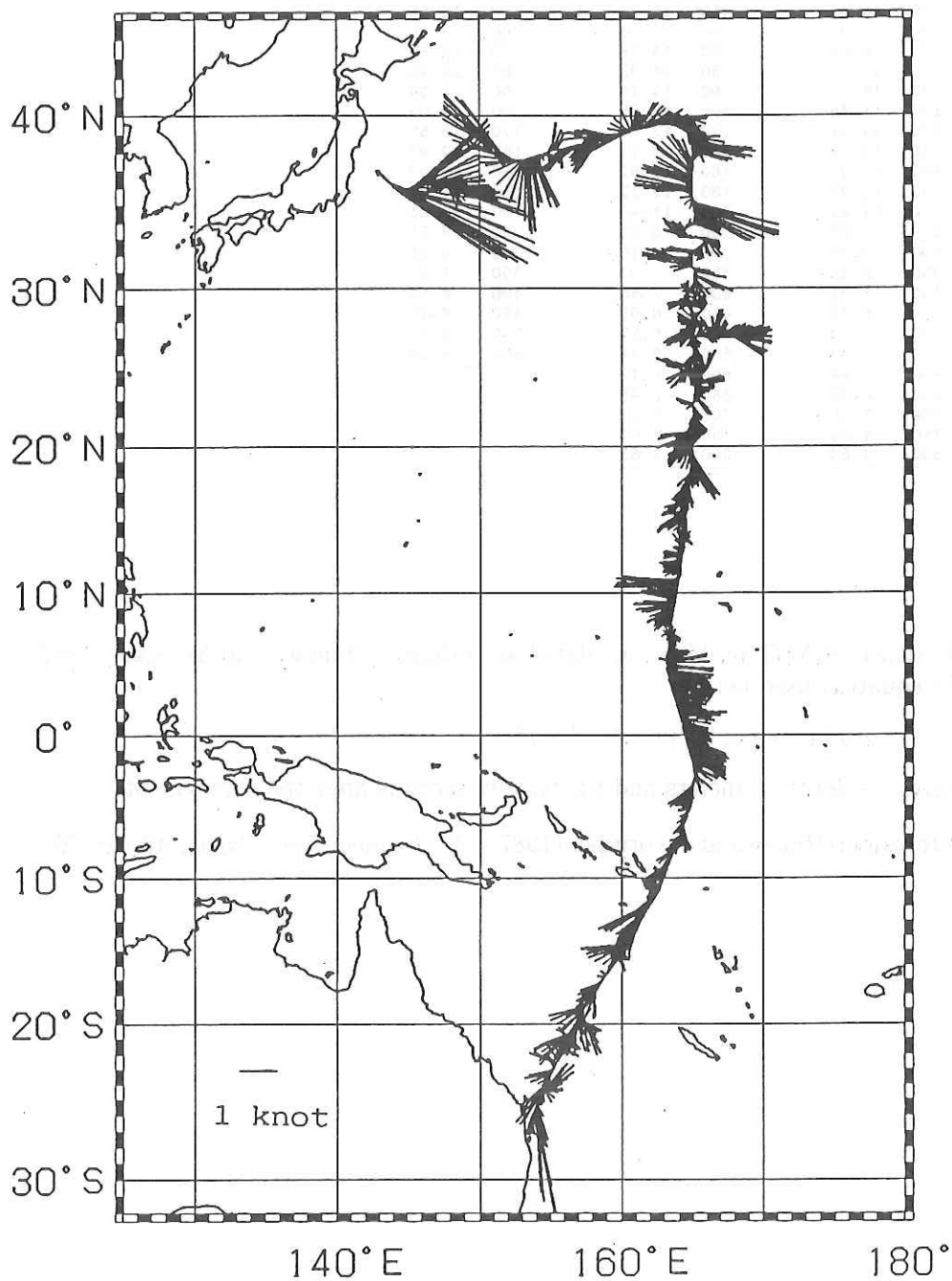
$$z = 6.715 \times t - 2.449 \times 10^{-3} \times t^2$$

where  $z$  is depth in meters and  $t$  is time in seconds after the deployment.

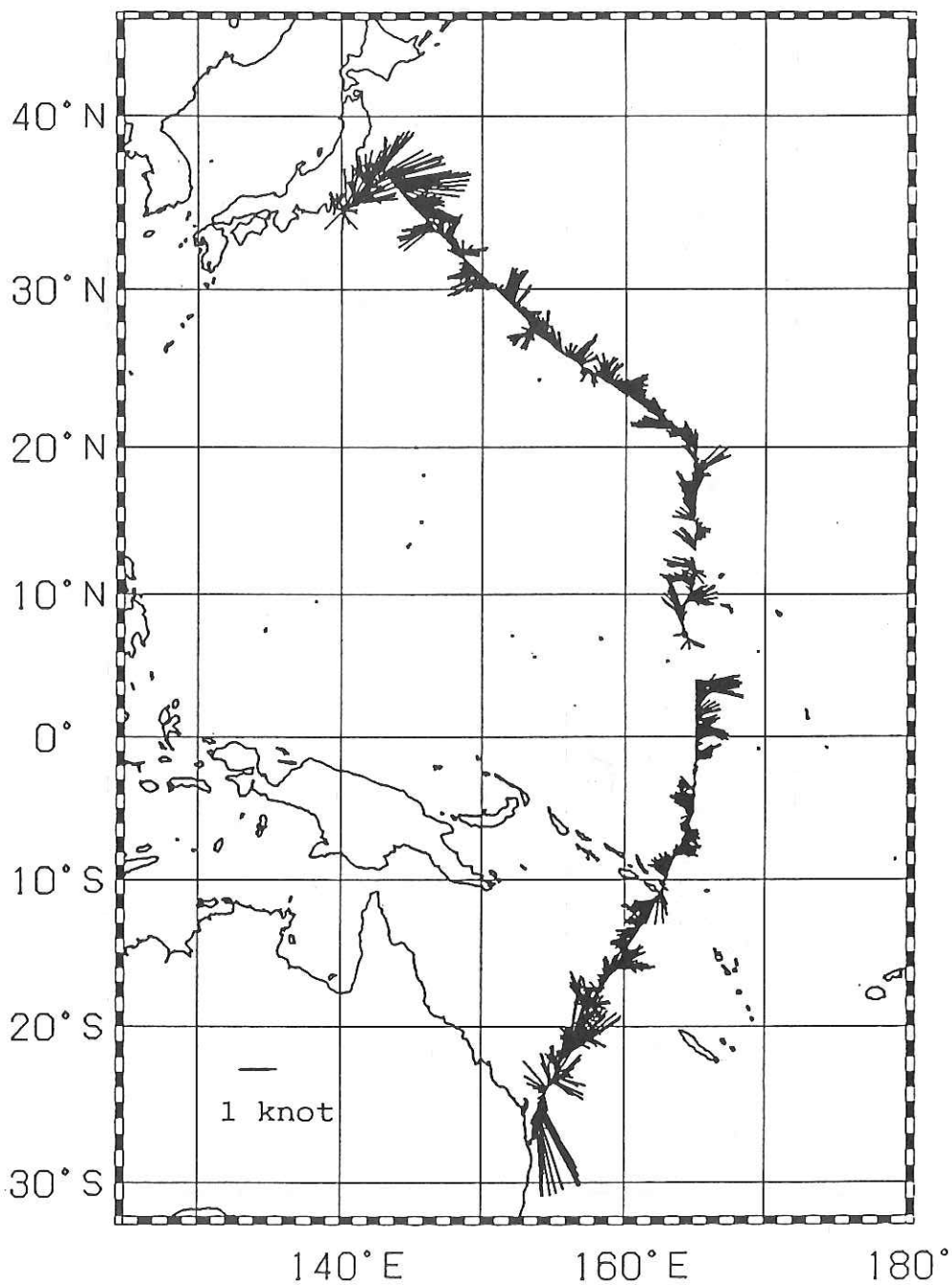
Reference: Hanawa and Yoritaka (1987) *J. Oceanogr. Soc. Japan*, **43**, 68-76.

# 9. Charts of Surface Currents

ADCP data (10m) KH-91-5 Leg 1

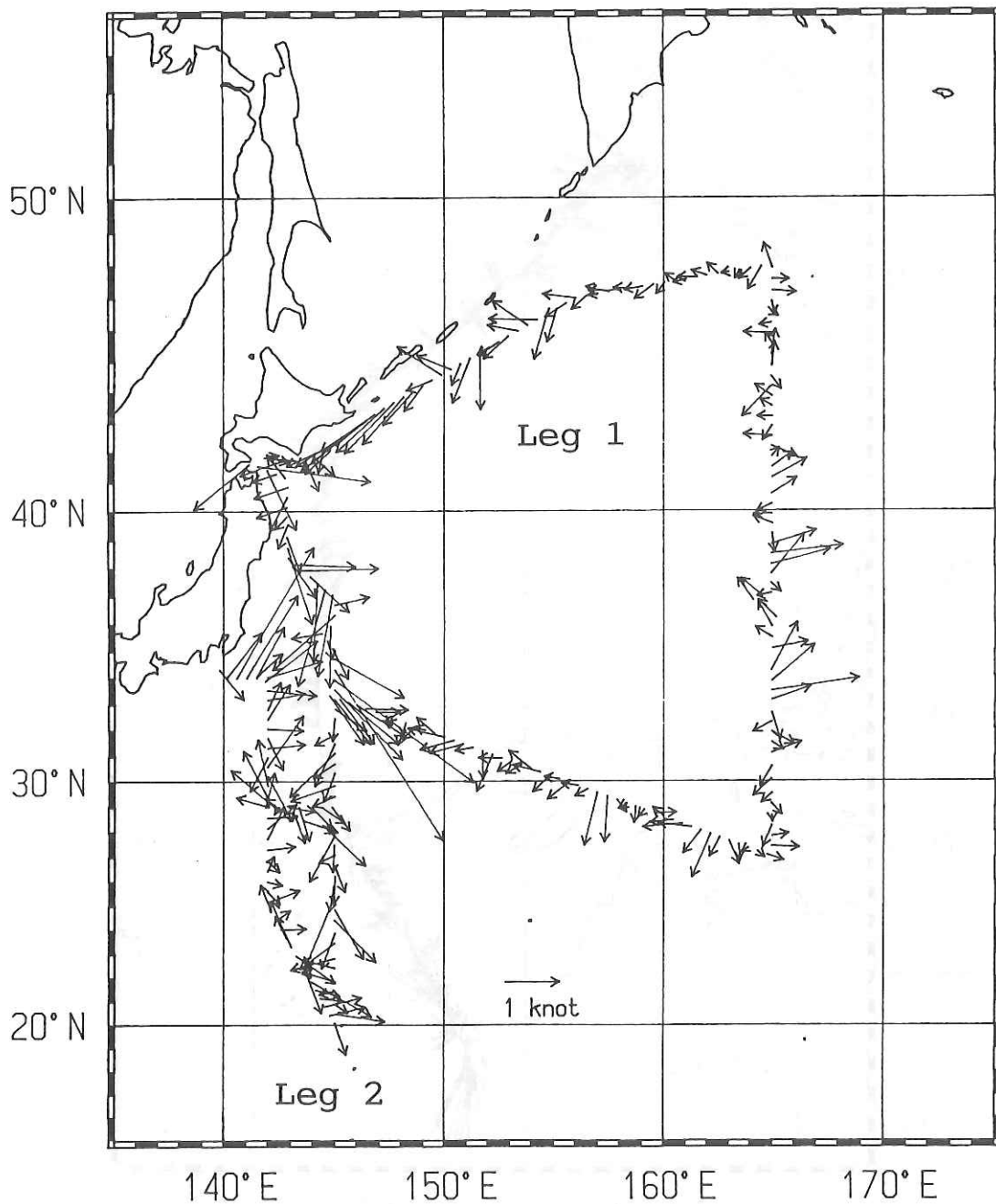


ADCP data (10m) KH-91-5 Leg 2

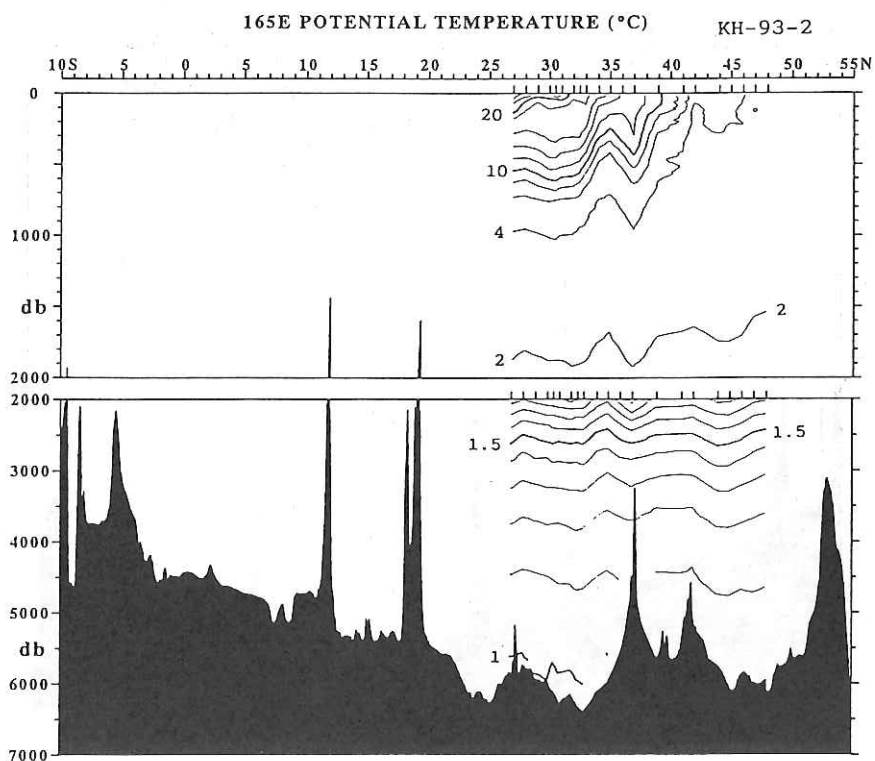
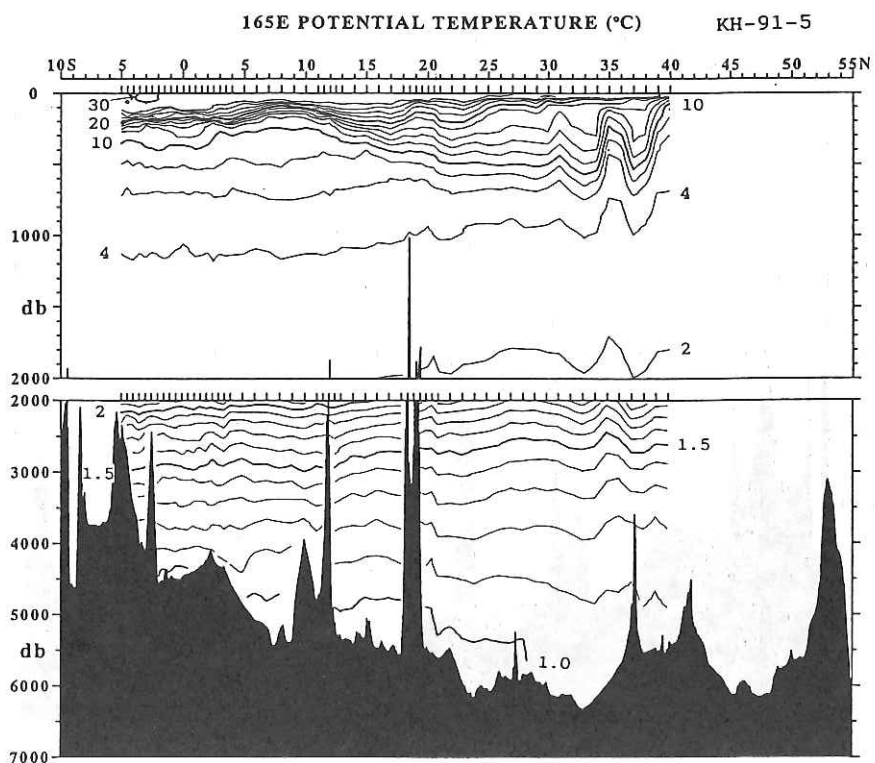


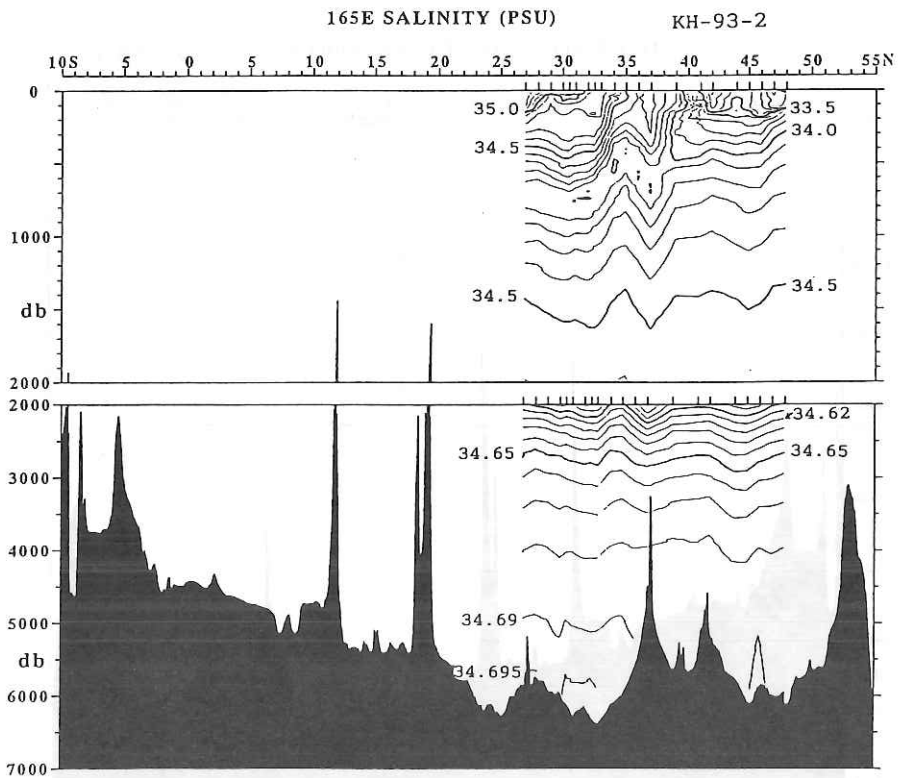
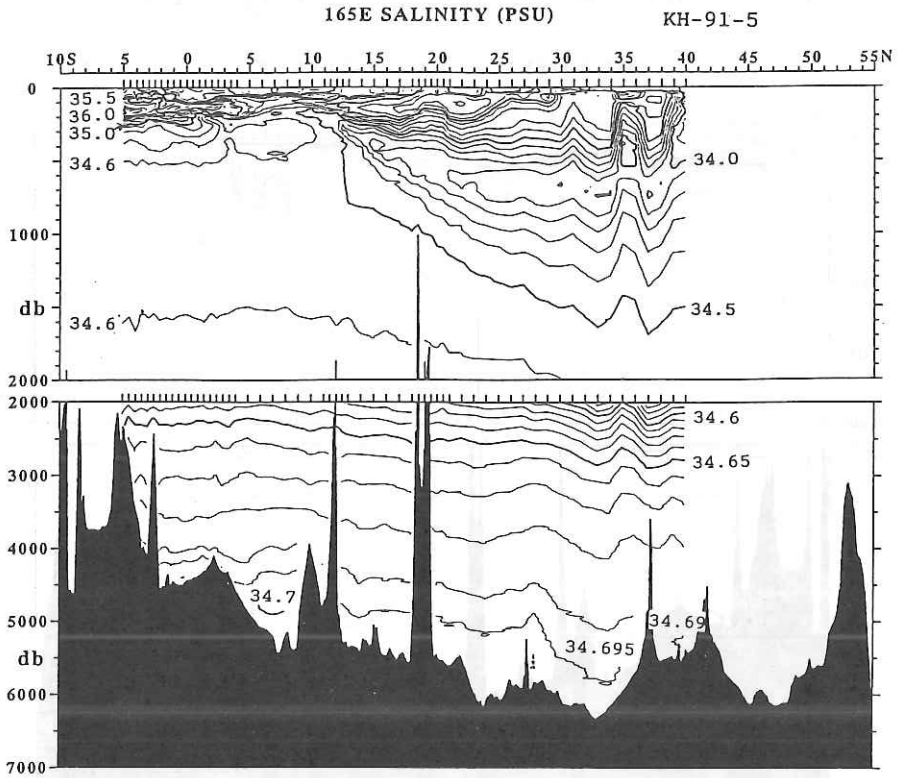


ADCP data (20m) KH-93-2



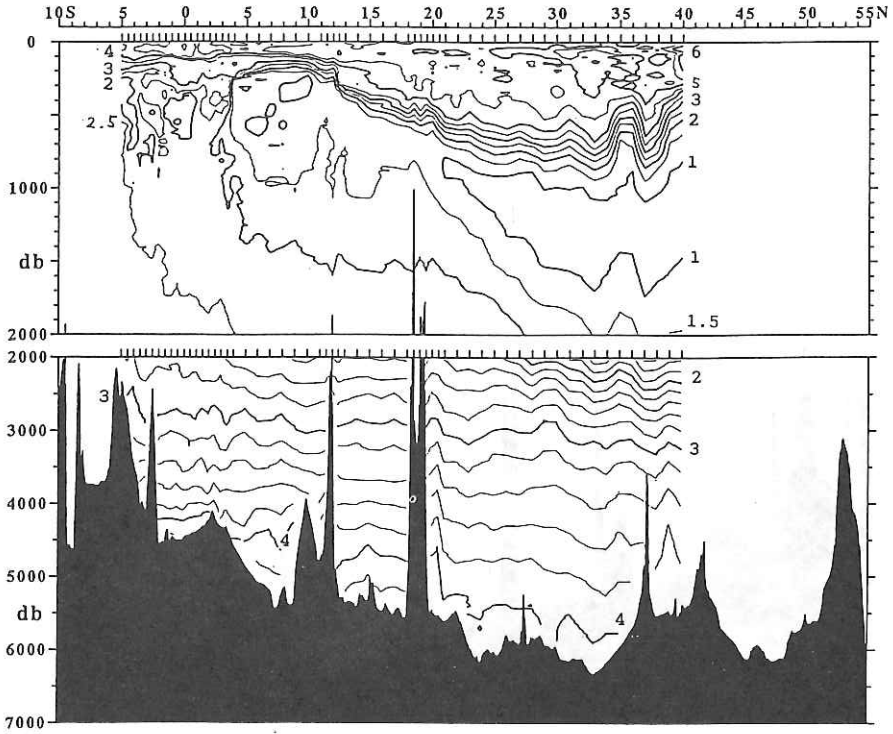
# 10. Vertical Sections of CTDO<sub>2</sub> Data





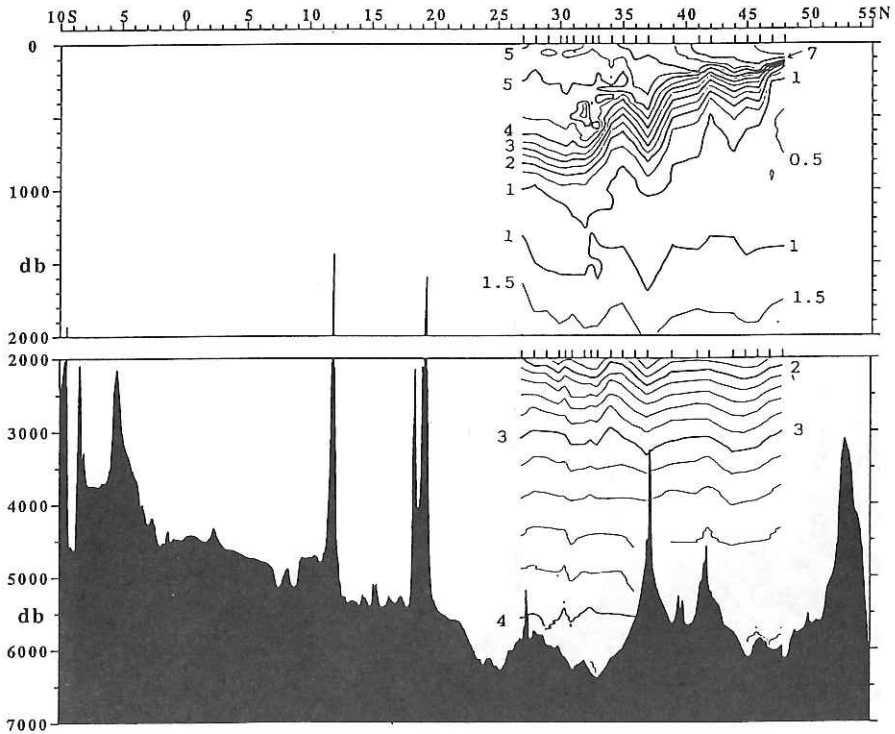
165E DISSOLVED OXYGEN (ml/l)

KH-91-5



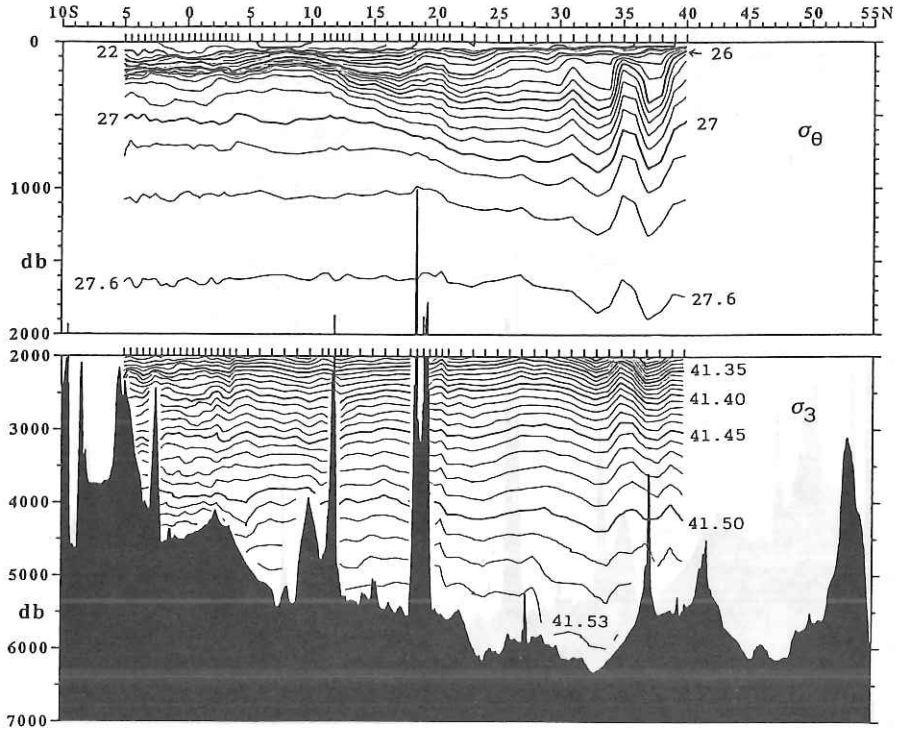
165E DISSOLVED OXYGEN (ml/l)

KH-93-2



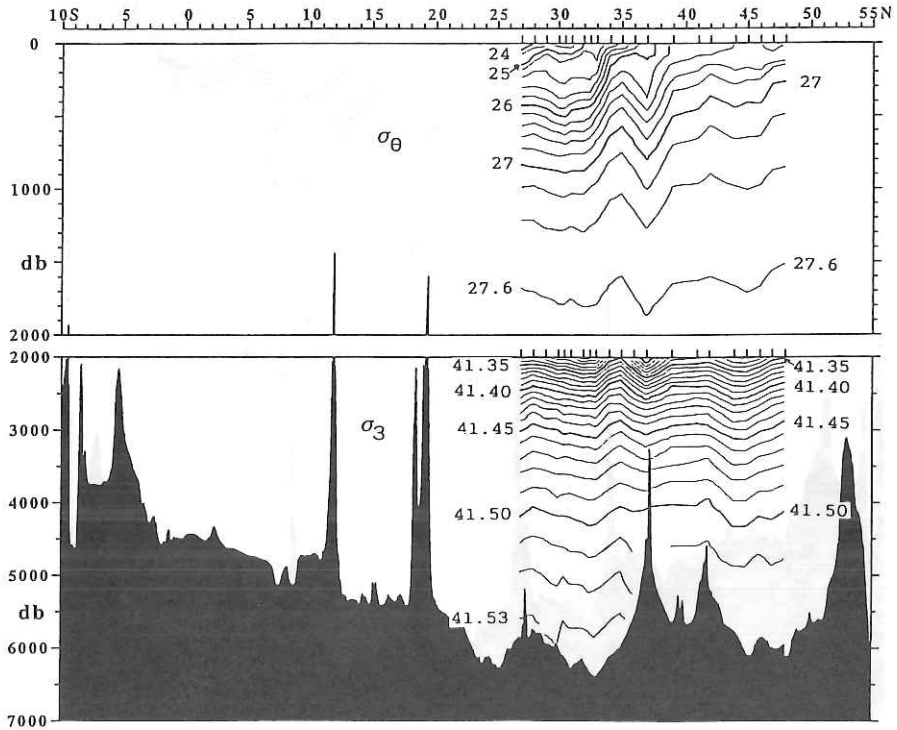
165E POTENTIAL DENSITY

KH-91-5

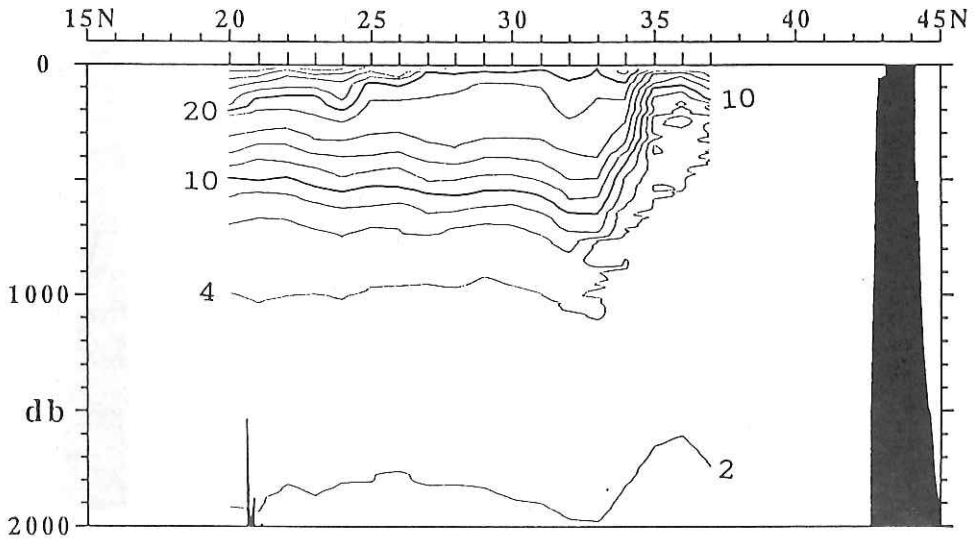


165E POTENTIAL DENSITY

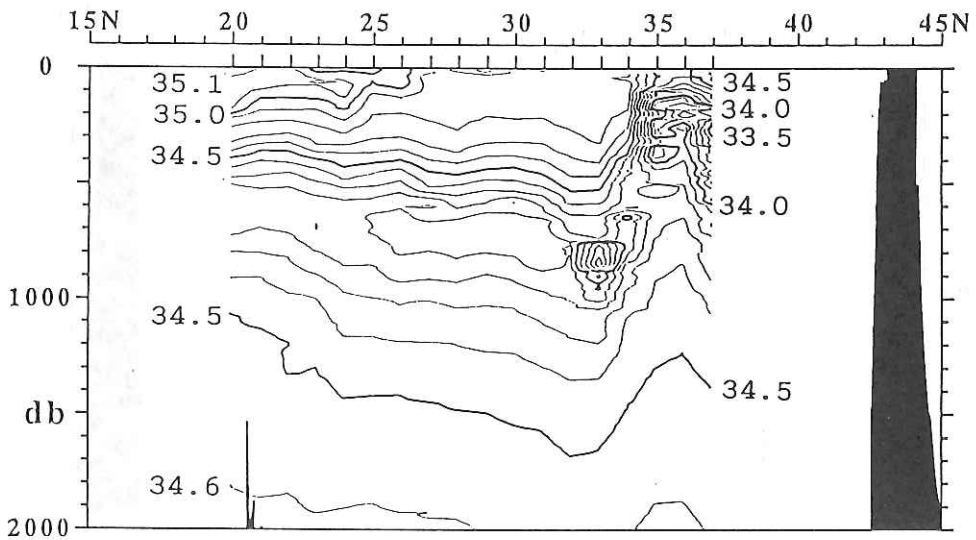
KH-93-2



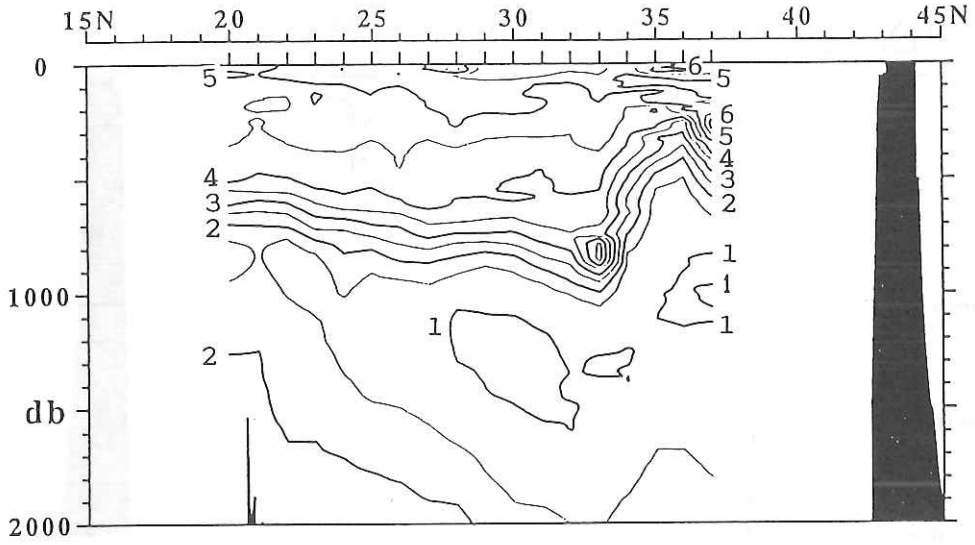
### 145E POTENTIAL TEMPERATURE (°C)



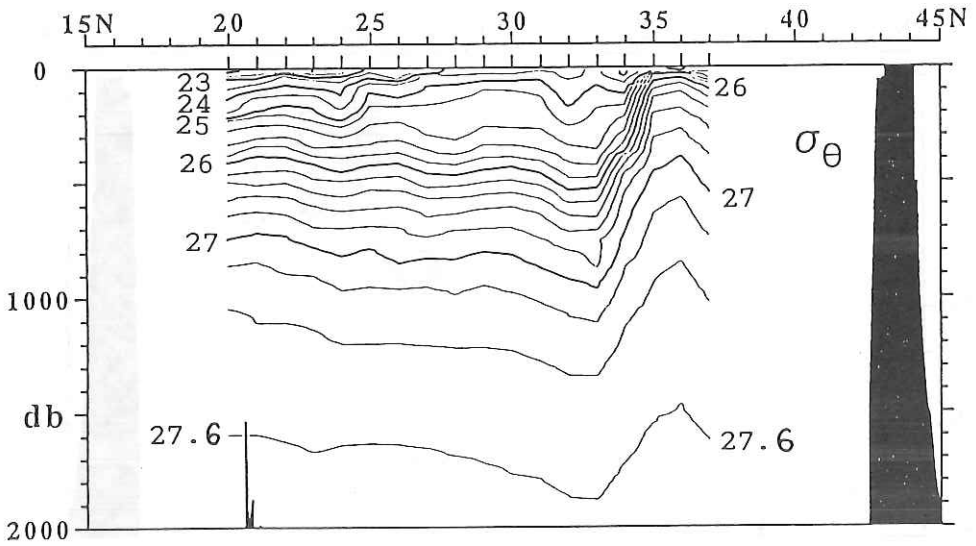
### 145E SALINITY (PSU)



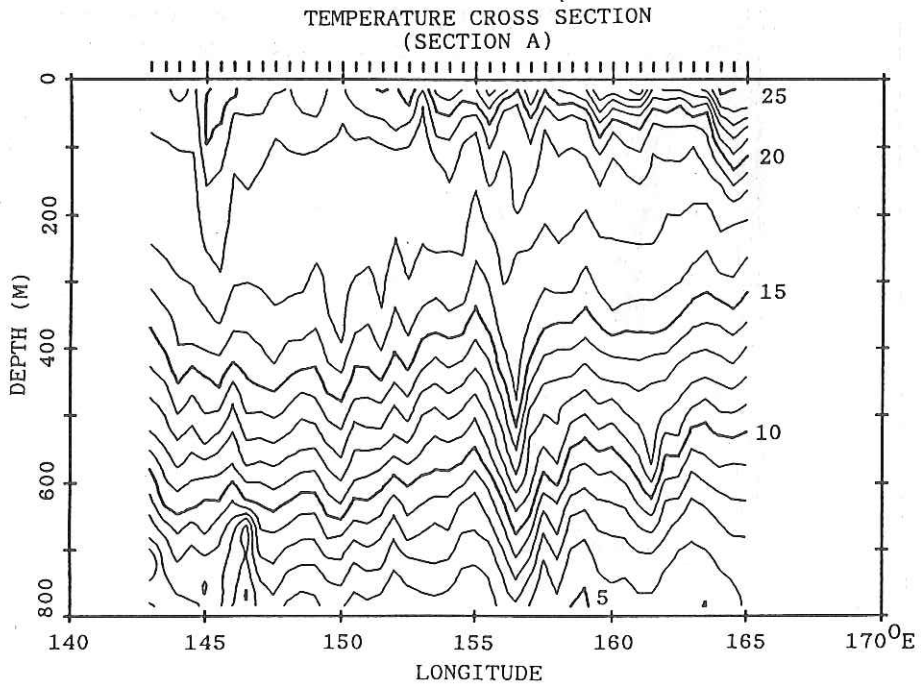
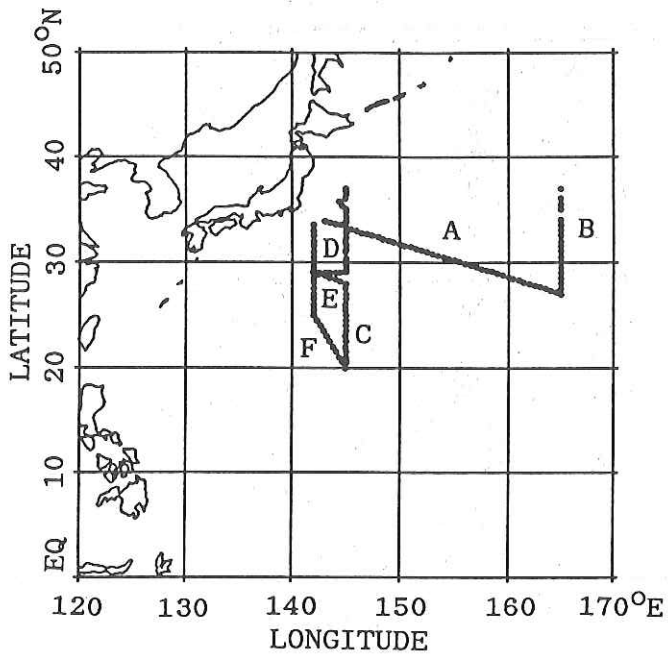
145E DISSOLVED OXYGEN (ml/l)



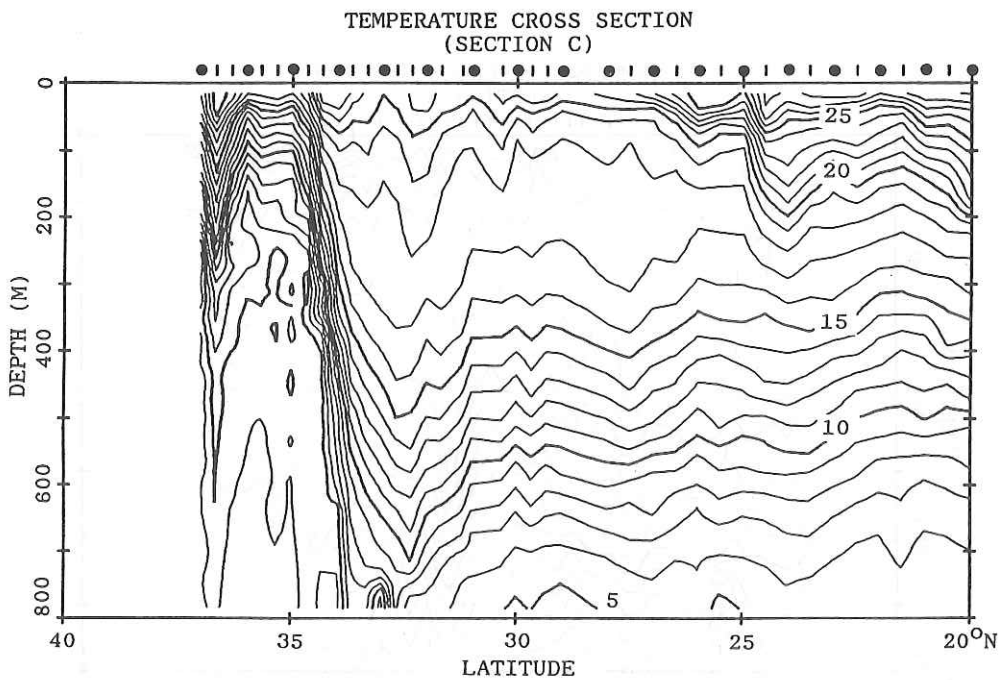
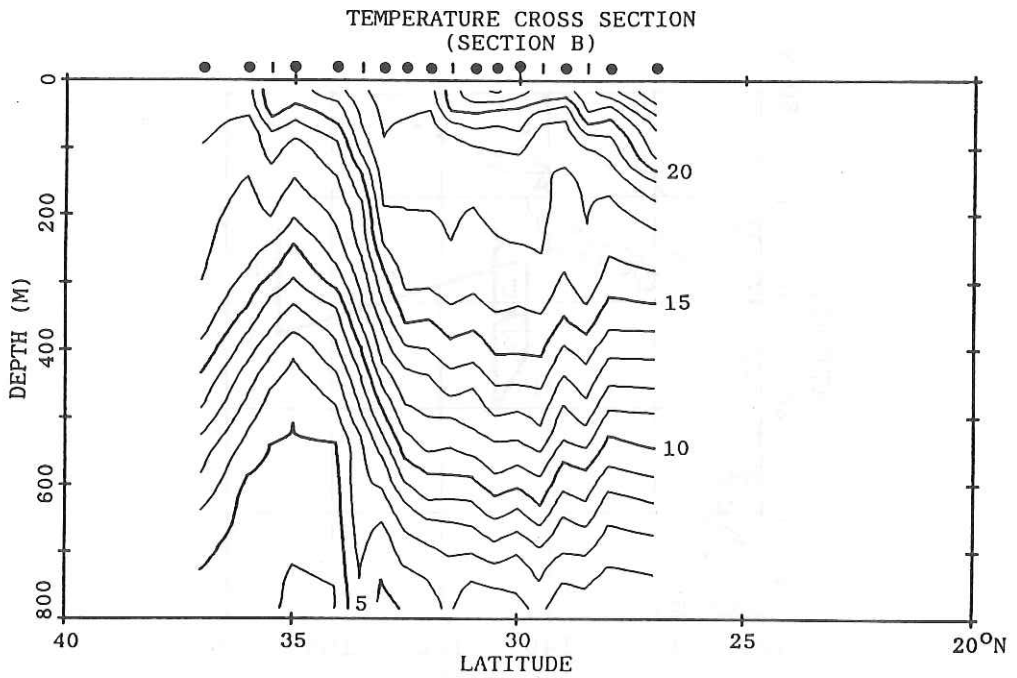
145E POTENTIAL DENSITY



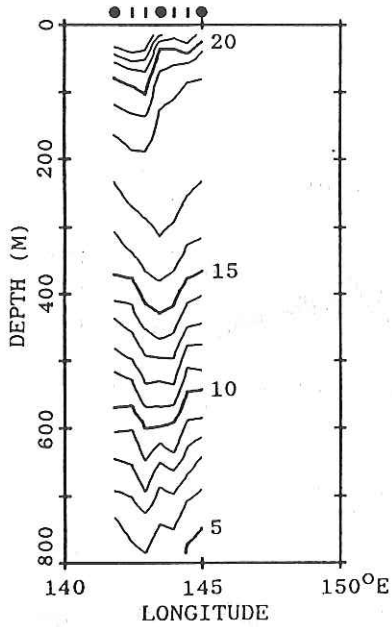
# 11. Vertical Sections of XBT Data



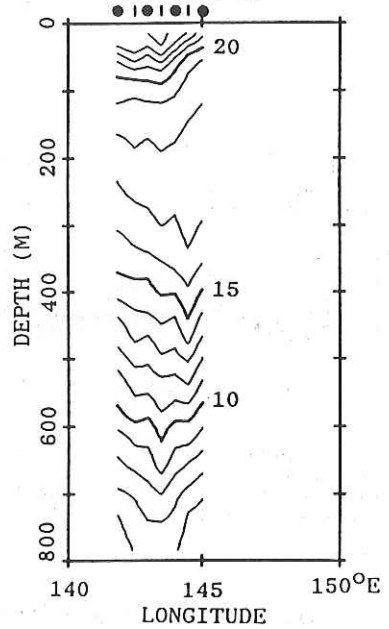




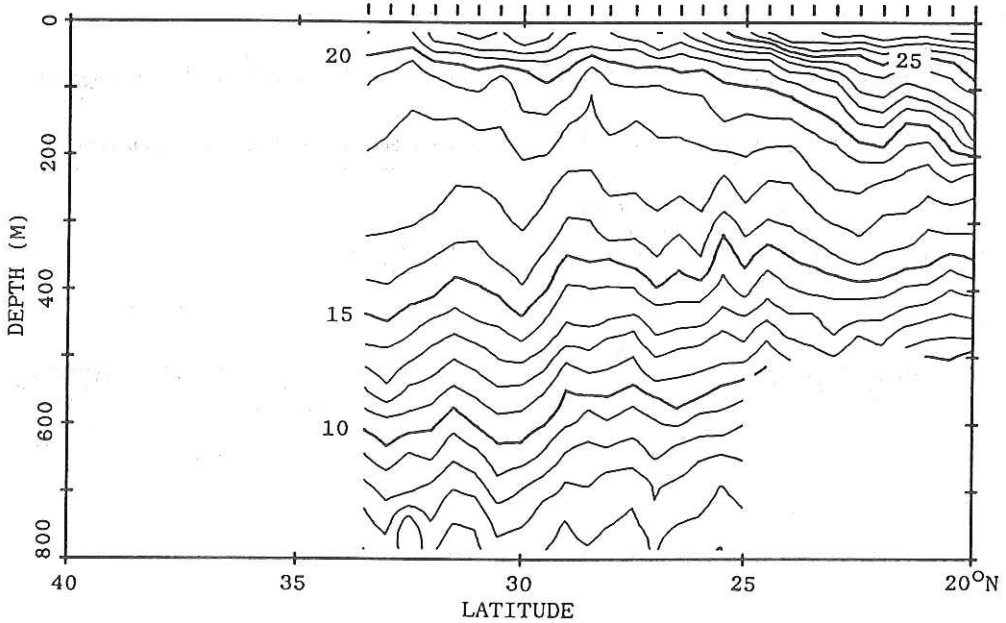
TEMPERATURE CROSS SECTION  
(SECTION D)



TEMPERATURE CROSS SECTION  
(SECTION E)



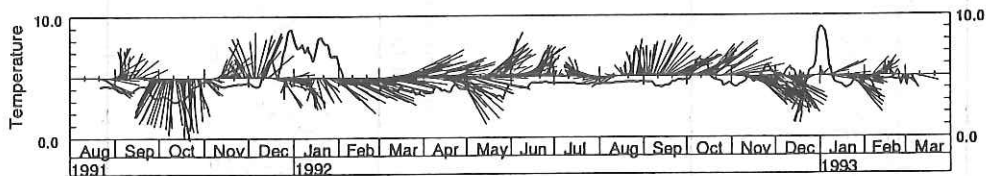
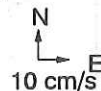
TEMPERATURE CROSS SECTION  
(SECTION F)



## 12. Results of Moored Current Meters on 165°E

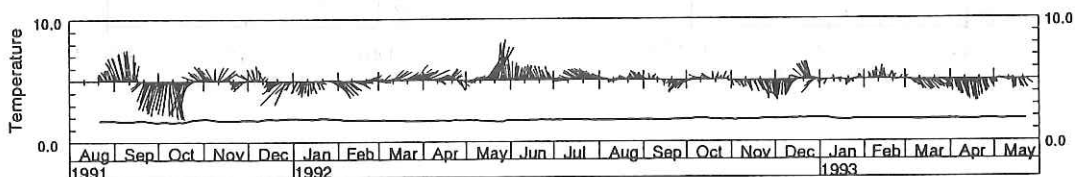
CURRENT METER : a7413  
 STATION No. : M1-2  
 LATITUDE : 34-59.3N  
 LONGITUDE : 165-09.3E

WATER DEPTH(m) : 5858  
 MOORING DEPTH(m) : 1040  
 START OF MOORING : 1991/08/20 05:20 (JST)  
 END OF MOORING : 1993/05/22 07:38 (JST)



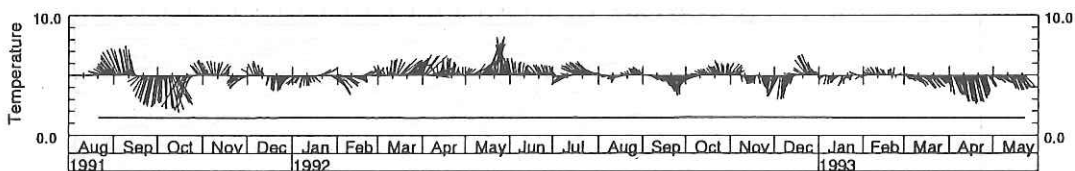
CURRENT METER : a4049  
 STATION No. : M1-3  
 LATITUDE : 34-59.3N  
 LONGITUDE : 165-09.3E

WATER DEPTH(m) : 5858  
 MOORING DEPTH(m) : 2440  
 START OF MOORING : 1991/08/20 05:38 (JST)  
 END OF MOORING : 1993/05/22 07:58 (JST)



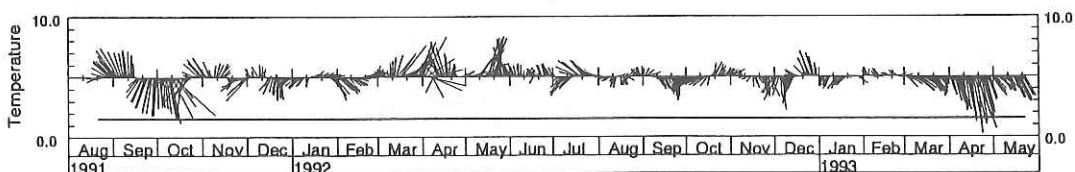
CURRENT METER : a8108  
 STATION No. : M1-4  
 LATITUDE : 34-59.3N  
 LONGITUDE : 165-09.3E

WATER DEPTH(m) : 5858  
 MOORING DEPTH(m) : 3940  
 START OF MOORING : 1991/08/20 06:03 (JST)  
 END OF MOORING : 1993/05/22 08:21 (JST)



CURRENT METER : a5603  
 STATION No. : M1-5  
 LATITUDE : 34-59.3N  
 LONGITUDE : 165-09.3E

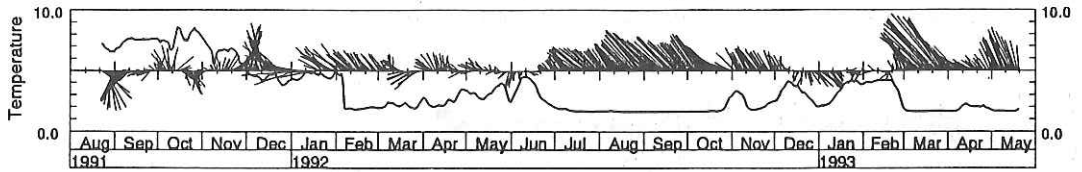
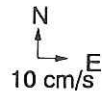
WATER DEPTH(m) : 5858  
 MOORING DEPTH(m) : 5840  
 START OF MOORING : 1991/08/20 06:40 (JST)  
 END OF MOORING : 1993/05/22 08:43 (JST)



Current velocity at Sta. M1

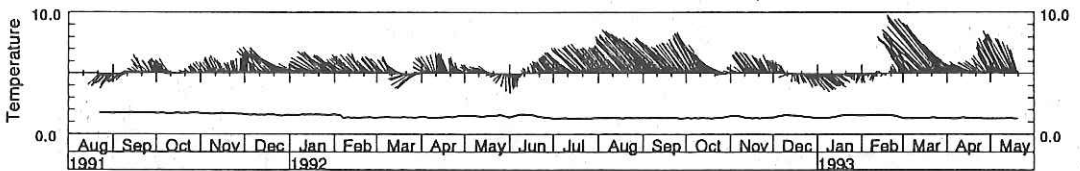
CURRENT METER : a5613  
 STATION No. : M2-2  
 LATITUDE : 33-00.1N  
 LONGITUDE : 165-02.3E

WATER DEPTH(m) : 6213  
 MOORING DEPTH(m) : 1200  
 START OF MOORING : 1991/08/21 07:28 (JST)  
 END OF MOORING : 1993/05/20 17:36 (JST)



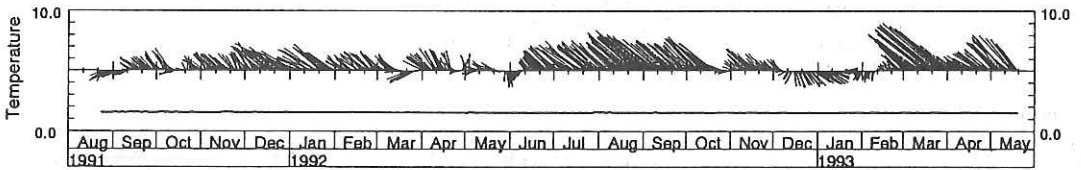
CURRENT METER : s0008  
 STATION No. : M2-3  
 LATITUDE : 33-00.1N  
 LONGITUDE : 165-02.3E

WATER DEPTH(m) : 6213  
 MOORING DEPTH(m) : 2600  
 START OF MOORING : 1991/08/21 07:48 (JST)  
 END OF MOORING : 1993/05/20 17:15 (JST)



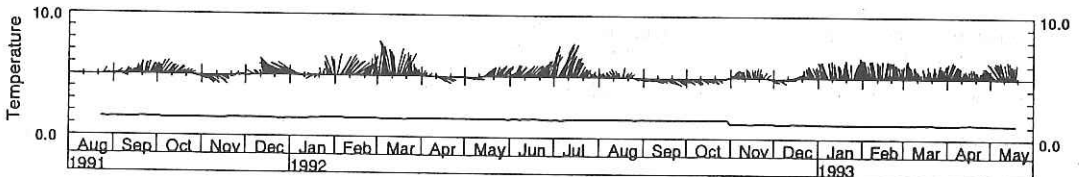
CURRENT METER : s0007  
 STATION No. : M2-4  
 LATITUDE : 33-00.1N  
 LONGITUDE : 165-02.3E

WATER DEPTH(m) : 6213  
 MOORING DEPTH(m) : 6210  
 START OF MOORING : 1991/08/21 08:33 (JST)  
 END OF MOORING : 1993/05/20 16:15 (JST)



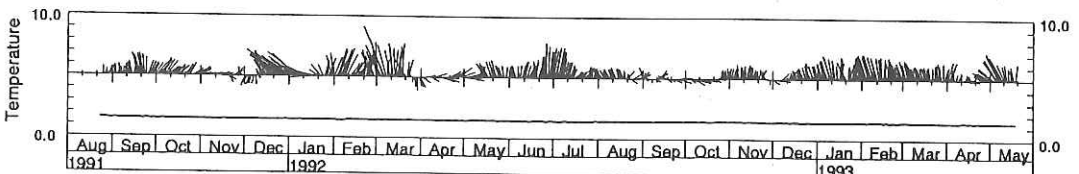
CURRENT METER : u6638  
 STATION No. : M3-3  
 LATITUDE : 30-59.5N  
 LONGITUDE : 165-00.9E

WATER DEPTH(m) : 6051  
 MOORING DEPTH(m) : 2640  
 START OF MOORING : 1991/08/22 08:50 (JST)  
 END OF MOORING : 1993/05/19 14:24 (JST)



CURRENT METER : s0009  
 STATION No. : M3-5  
 LATITUDE : 30-59.5N  
 LONGITUDE : 165-00.9E

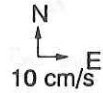
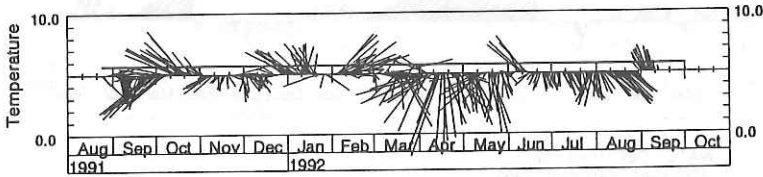
WATER DEPTH(m) : 6051  
 MOORING DEPTH(m) : 6040  
 START OF MOORING : 1991/08/22 09:40 (JST)  
 END OF MOORING : 1993/05/19 13:28 (JST)



Current velocity at Sta. M2 (upper three) and Sta. M3 (lower two)

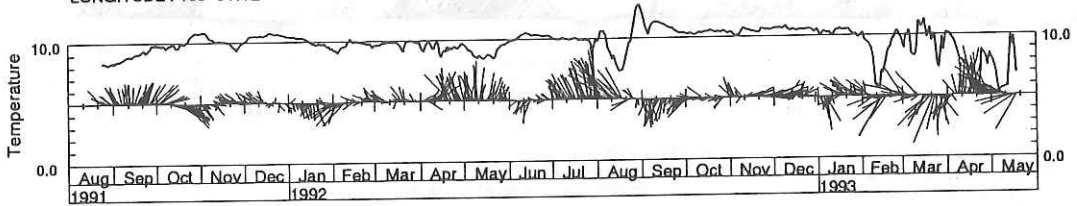
CURRENT METER : u6641  
 STATION No. : M4-1  
 LATITUDE : 28-58.7N  
 LONGITUDE : 165-01.1E

WATER DEPTH(m) : 5792  
 MOORING DEPTH(m) : 480  
 START OF MOORING : 1991/08/23 07:05 (JST)  
 END OF MOORING : 1993/05/18 12:58 (JST)



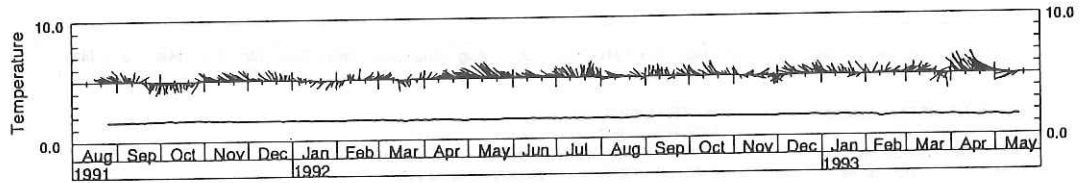
CURRENT METER : a7117  
 STATION No. : M4-2  
 LATITUDE : 28-58.7N  
 LONGITUDE : 165-01.1E

WATER DEPTH(m) : 5792  
 MOORING DEPTH(m) : 880  
 START OF MOORING : 1991/08/23 07:14 (JST)  
 END OF MOORING : 1993/05/18 13:20 (JST)



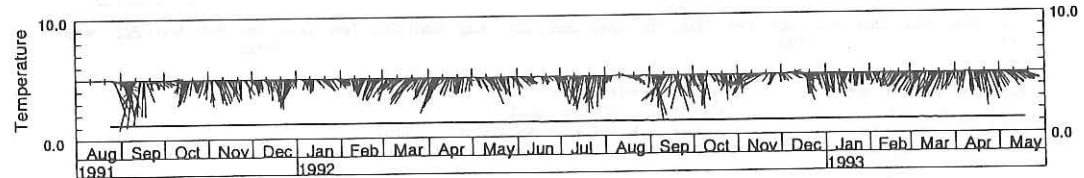
CURRENT METER : s0011  
 STATION No. : M4-3  
 LATITUDE : 28-58.9N (JST)  
 LONGITUDE : 165-01.1E (JST)

WATER DEPTH(m) : 5792  
 MOORING DEPTH(m) : 2280  
 START OF MOORING : 1991/08/23 07:31 (JST)  
 END OF MOORING : 1993/05/18 13:53 (JST)



CURRENT METER : u2837  
 STATION No. : M4-4  
 LATITUDE : 28-58.7N  
 LONGITUDE : 165-01.1E

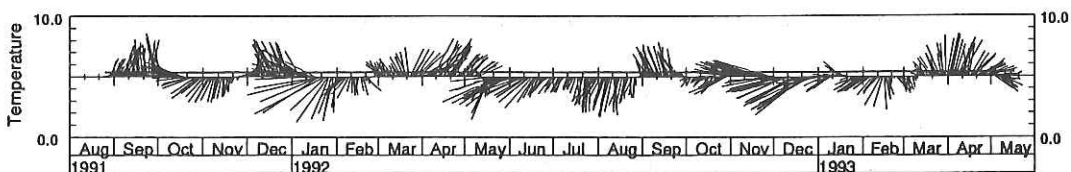
WATER DEPTH(m) : 5792  
 MOORING DEPTH(m) : 5780  
 START OF MOORING : 1991/08/23 08:18 (JST)  
 END OF MOORING : 1993/05/18 14:45 (JST)



Current velocity at Sta. M4

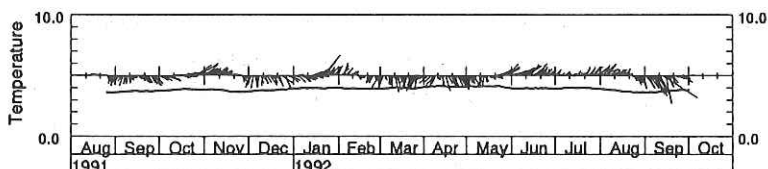
CURRENT METER : s0012  
 STATION No. : M5-1  
 LATITUDE : 26-59.9N  
 LONGITUDE : 164-59.6E

WATER DEPTH(m) : 5785  
 MOORING DEPTH(m) : 770  
 START OF MOORING : 1991/08/24 09:35 (JST)  
 END OF MOORING : 1993/05/17 12:14 (JST)



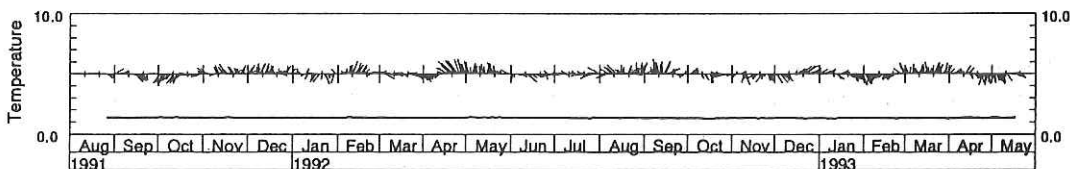
CURRENT METER : u4148  
 STATION No. : M5-2  
 LATITUDE : 26-59.9N  
 LONGITUDE : 165-59.6E

WATER DEPTH(m) : 5785  
 MOORING DEPTH(m) : 1170  
 START OF MOORING : 1991/08/24 09:46 (JST)  
 END OF MOORING : 1993/05/17 12:28 (JST)



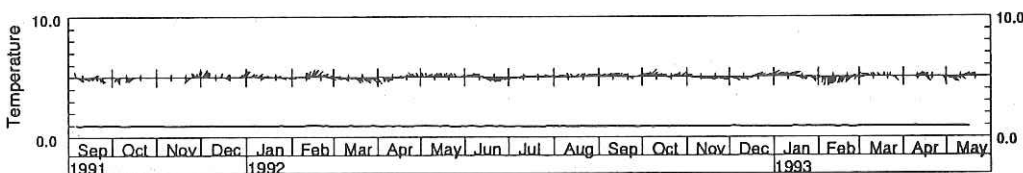
CURRENT METER : s0014  
 STATION No. : M5-3  
 LATITUDE : 26-59.9N  
 LONGITUDE : 164-59.6E

WATER DEPTH(m) : 5885  
 MOORING DEPTH(m) : 2670  
 START OF MOORING : 1991/08/24 10:02 (JST)  
 END OF MOORING : 1993/05/17 12:54 (JST)



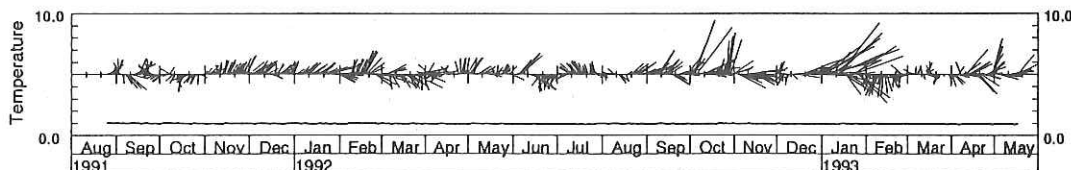
CURRENT METER : s0010  
 STATION No. : M5-4  
 LATITUDE : 26-59.9N  
 LONGITUDE : 164-59.6E

WATER DEPTH(m) : 5785  
 MOORING DEPTH(m) : 4070  
 START OF MOORING : 1991/08/24 10:20 (JST)  
 END OF MOORING : 1993/05/17 13:18 (JST)



CURRENT METER : s0013  
 STATION No. : M5-5  
 LATITUDE : 26-59.9N  
 LONGITUDE : 164-59.6E

WATER DEPTH(m) : 5785  
 MOORING DEPTH(m) : 5770  
 START OF MOORING : 1991/08/24 10:45 (JST)  
 END OF MOORING : 1993/05/17 13:45 (JST)



Current velocity at Sta. M5

13. Global distribution of background aerosol particles and effects of continental aerosol particles on them  
II. Measured results over the West Pacific Ocean

Kazuhiko Miura

Department of Physics, Science University of Tokyo  
Shinjuku-ku, Tokyo 162, Japan

1. Introduction

Global distribution of background aerosol particles has been interested in the solar radiation and cloud physics. Because of the difficulty in the observation cover a wide area, however, reliable distribution data are limited. In the KH-89-2 expedition sailing around the world, the concentration of Aitken particles was obtained by using the automatic Pollak along latitude (Miura *et al.*, 1991). In this report, we show the measured results of aerosol particles and radon concentrations in the KH-91-5 expedition sailing along longitude 165°E.

2. Instrumentation

Collection and counting of aerosol particles, and measuring radon concentration were carried out on an upper deck 15m above the sea surface.

Aerosol particles were collected directly on a carbon-covered nitrocellulose film supported on an electron microscopic grid by using a low-pressure cascade impactor (Model I-1L, PIXE Int. Corp.). The flow rate of air was about 1 l/min and each aerosol sample was collected for 60 min. This impactor has seven stages but two stages were used in this collection. Cutoff sizes of these stages are 0.03 and 0.25  $\mu\text{m}$  in radius.

Aerosol counting was carried out with two counters. Aitken particle concentrations ( $r < 0.1 \mu\text{m}$ ) were measured with a Pollak condensation nuclei counter. Larger particle concentrations ( $r > 0.15, 0.25, 0.5, 1, 2.5 \mu\text{m}$ ) were measured with an optical particle counter (KC01, Rion Co. Ltd.). In this report, we show the concentration of the large particles ( $0.15 < r < 1 \mu\text{m}$ ) and the giant particles ( $r > 1 \mu\text{m}$ ).

Origin of air mass was estimated from radon concentration. Radon concentration was obtained from concentrations of radon daughters assuming of the decay equilibrium. Radon daughters were collected for an hour on a millipore filter (HAWPO47SO, NIHON MILLIPORE KOGYO K.K.) once or twice a day and  $\alpha$ -ray emitted from them was measured with a surface barrier detector. Collection efficiency of the filter was about 99%. Geometrical efficiency and the flow rate of air were 0.45 and about 20 l/min, respectively.

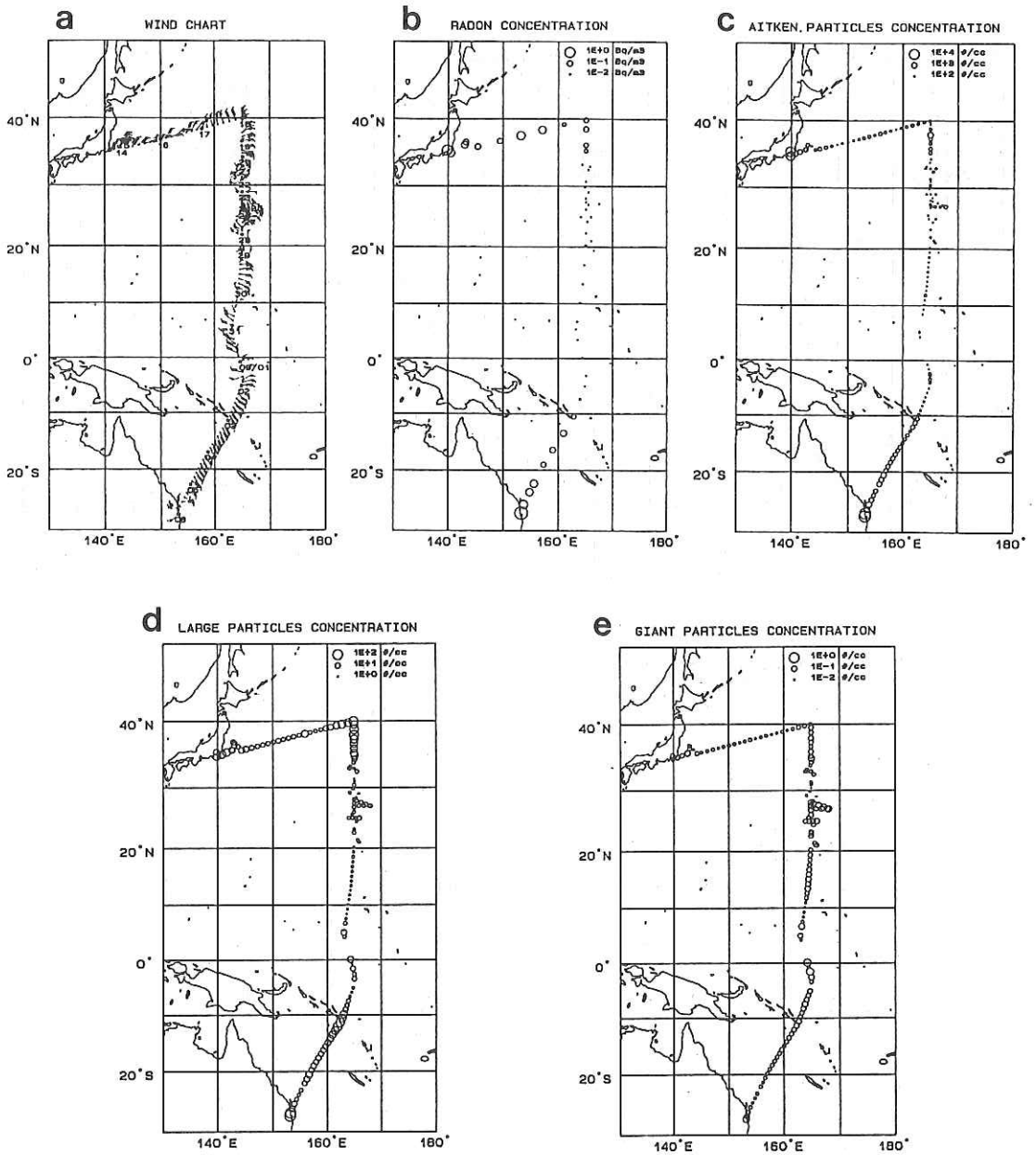


Fig. 1 Wind chart (a) and concentrations of radon (b), Aitken particles (c), large particles (d) and giant particles (e) measured on the ship from Tokyo to Brisbane.



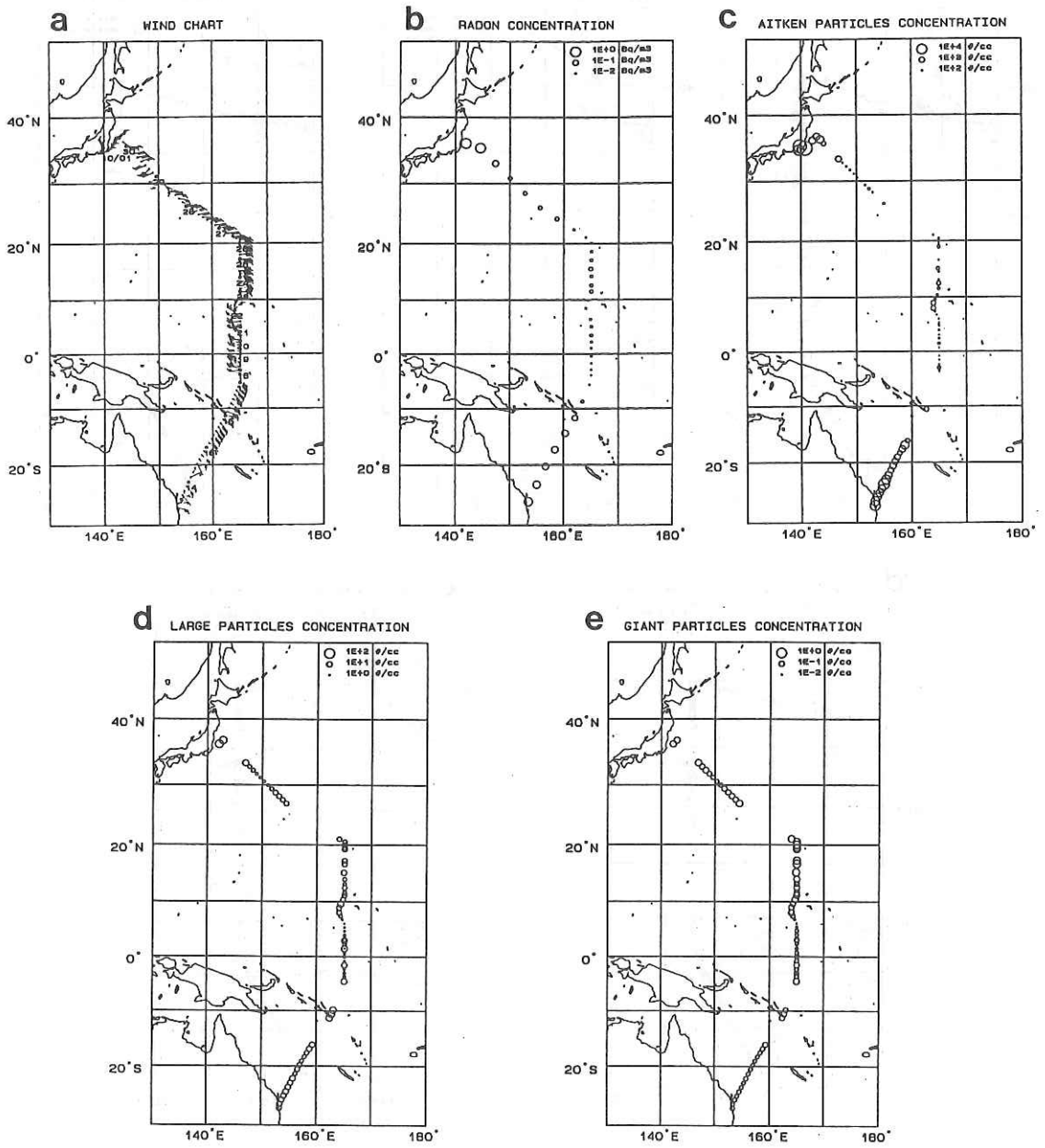


Fig. 2 Same as Fig. 1, except for the ship from Brisbane to Tokyo.

### 3. Results

Figures 1-(a) and 2-(a) show wind force and wind direction measured on the ship from Tokyo to Brisbane and from Brisbane to Tokyo, respectively. Dates are also shown near the positions at 00:00 GMT on the figures. Figures 1-(b) to 1-(e) and 2-(b) to 2-(e) show the measured distribution of radon and aerosol particles concentrations. Circles against aerosol concentrations were plotted every 3 hr, though we measured them every 30 min. Size of circle represents the concentration logarithmically. In order to avoid the exhaust of ship, we omitted the data measured during a calm (relative speed is less than 1 m/s) period or a period of blowing from the funnel.

In this expedition, we measured the concentration along longitude 165°E. Figure 3 shows the variation of the radon concentration and the Aitken particles concentration along the longitude. There is a good relation between two concentrations. This means that the Aitken particle is affected by continental air mass because radon exhales from soil. Ignoring the data at the south of the position in latitude 10°S, where the continental effect is significant, the concentration of Aitken particle over the South Pacific is almost the same as that over the North Pacific. This result is similar to those measured over the Central and the East Pacific by Kojima and Sekikawa (1974).

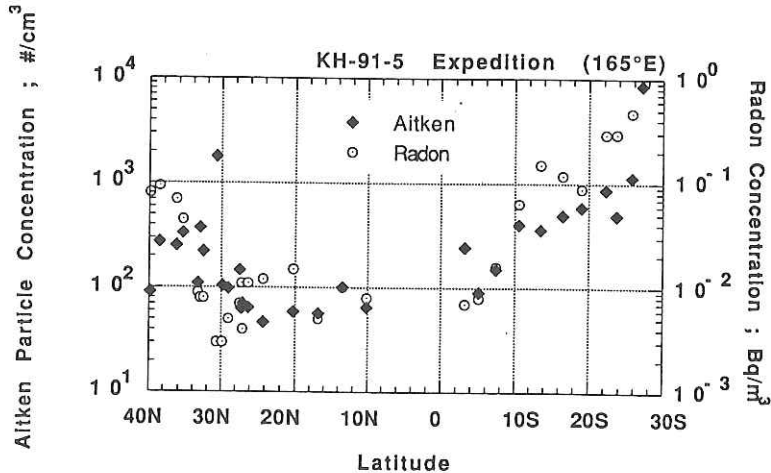


Fig. 3 The variation of the radon concentration and the Aitken particles concentration along longitude 165°E.

### References

- Kojima, H. and T. Sekikawa, *J. Meteor. Soc. Jpn*, 52, 499-505, 1974.
- Miura, K., T. Kumakura and T. Sekikawa, *Pre. Rep. Hakuho Maru Cruise KH-89-2*, 15-22, 1991.