

CRUISE
NUMBER

95-23

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

July 24 - Aug 4 1995

VESSEL

CSS VECTOR

PROJECT

PERD

Captain: _____ First Officer: _____
Second Officer: _____ Third Officer: _____
Cruise Participants / Agencies: DFo / PERD
Scientific Personnel: Party Chief: William Crawford

Name	Watch	Cabin
Name	Watch	Cabin

John Love

Ron Lindsay

Brian Wingerter

Ed Wiebe

David Thornhill

Date Holiday

Second leg of cruise: Party Chief:

Name	Watch	Cabin	Name	Watch	Cabin
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Data logging system: Unit no.:

Program Name: _____

Program version: _____

CTD deck unit make: _____ model: _____ serial no.: _____
 program version: _____

Computer make: _____ model: _____ serial no.: _____

1st CTD make: _____

model: _____ serial no.: _____

Temperature sensor model: _____ serial no.: _____

coefficients: slope: offset:

Conductivity sensor model: _____ serial no.: _____

coefficients: slope: _____ offset: _____

Pressure sensor range: _____ psi serial no. : _____

coefficients: FSP: dB

Transmissometer

coefficients: slope: _____
intercept: _____
offset: _____
correlation: _____

Comments: _____

DAILY LOG

OCEAN PHYSICS

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		July		CSS VECTOR		95-23 (1.0.5.)		1		1				
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
24	NEWS	CTD	17:39	BE	0001	49 49.585	124-57.120		176					Strait of Georgia
24	NEWS	"	17:42	EN	0002	49 49.58	124-57.18							Upcast
25	6603	"	07:27	BE	0003				133					Downcast #1 (magenta)
25	6603	"	07:27	BE	0004	50 51.39	127 12.51		133					Downcast #1
25	6603	"	07:32	BE	0005	50 51.36	127 12.60		133					Upcast
25	6602	"	08:09	BE	6	50 47.26	127 16.0		182					Downcast
25	6602	"	08:14	BE	7	50 47.27	127 16.06		182					Upcast
25	6601	"	09:00	BE	8	50 43.22	127 20.12		160					Downcast
25	6601	CTD	07:04	SE	9	50 43.78	127 22.13		160					Upcast
25	6607				10									Test on Deck
25	6607	CTD	22:39	BE	11	51 08.28	127 48.28		70					Downcast
25	6607	"	22:41	BE	12	51 8.31	127 48.29		70					Upcast
25	6606	CTD	23:00	BE	13	51 04.20	127 55.52		153					Downcast
25	6606	"	23:04	BE	14	51 04.20	127 55.52		153					Upcast
26	6607	"	00:34	BE	15	50 59.51	128 00.51		82					Downcast
26	6605	"	00:57	BE	16	50 59.51	128 00.52		82					Up
26	6604	"	01:20	BE	17	50 55.01	128 07.13		24					Run
26	6604	"	01:21	BE	18	50 55.01	128 07.15		24					Upcast

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

USW -

sea water loop

TIME CODE -

BE -

beginning time of cast

BE -

beginning time of cast

CAST TYPE - BOT - bottle cast
CTD - ctd
MOR - mooring

ROS - rosette
NET - net haul
DRF - drifter

USW - sea water loop

TIME CODE -

BE - beginning time of cast
BO - bottom time of cast
EN - end of cast

DE - deployment time
MR - messenger release
RE - recover mooring

POSITION CODE - RAD - RADAR
GPS - GLOBAL
LOR - LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		JULY		CSS VECTOR		95-23		2		OF				
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
26	GG14	CTD	02:13		19	50 51.62	128 17.30	GPS	40					DOWNCAST - NOTE - RESURFACED NEAR START OF CAST
26	GG14	11	02:15		20	50 51.64	128 17.30		40					UPCAST
26	GG14	DRIFT	02:27			50 51.655	128 17.178							PROFILE 21239 DROPPED 7:27 PM (POT)
26	C023	CTD	03:14	BE	21	50 48.16 N	128 27.25 W		47					Downcast
26	C023	CTD	03:17	BE	22	50 48.20 N	128 27.21 W		47					UPCAST
26	JS15	CTD	03:41	BE	23	50 46.71 N	128 30.85 W		68					Downcast
26	JS15	CTD	03:45	BE	24	50 46.69 N	128 30.84 W		68					UPCAST
26	JS14	CTD	04:51	BE	25	50 47.23 N	128 47.74 W		110					Downcast
26	JS14	CTD	04:54	BE	26	50 47.30 N	128 47.75 W		110					UPCAST
26	LQ02	CTD	05:33	BE	27	50 43.55 N	128 54.62 W		160					Downcast
26	LQ02	CTD	05:36	BE	28	50 43.53 N	128 54.65 W		160					UPCAST
26	LQ03	CTD	06:32	BE	29	50 39.86 N	129 1.79 W		1300	920.0				Downcast
26	LQ03	CTD	06:46	BE	30	50 39.76 N	129 1.54 W		1300	920.0				UPCAST
26	LQ04	CTD	07:43	BE	31	50 35.85 N	129 09.30 W		850	840				Downcast, D. Thornhill
26	LQ04	CTD	07:59	BE	32	50 35.93 N	129 09.57		850	840				UPCAST
26	LQ05	CTD	08:51	BE	33 - Ignore	50 32.04	129 16.82		985?	960				Ignore 0033 - No file exists. Downcast, D. Thornhill
26	LQ05	CTD	09:12	BE	35	50 32.05	129 17.45		985?	960				UPCAST

CAST TYPE -	BOT -	bottle cast	ROS -	rosette	USW -	sea water loop	TIME CODE -	BE -	beginning time of cast	DE -	deployment time	POSITION CODE -	RAD -	RADAR
	CTD -	ctd	NET -	net haul				BO -	bottom time of cast	MR -	messenger release		GPS -	GLOBAL
	MOR -	mooring	DRF -	dritter				EN -	end of cast	RE -	recover mooring		LOR -	LORAN

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		JULY		CSS VECTOR		95-23								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
26	LQ06	CTD	10:17	BE	95230036	50-28.06	129-24.82	GPS		1003				Downcast, D. Thorne, 11
26	LQ06	CTD	10:30	BE	0037	50-28.19	129-25.30	"		1003				Upcast.
26	LP07	CTD	12:36	BE	0038	50-15.70	129-07.97	GPS	1176	1000.5				Downcast, B. Wines, 11, 12
26	LP07	CTD	12:55	BE	0039	50-15.55	129-08.55	GPS	"	1000.3				UPCAST
26	LN07	CTD	14:49	BE	0040	50 4.49	128 49.78	GPS	1400	1000				Down cast
26	LN07	CTD	15:04	BE	41	50 4.47 N	128 49.36	GPS	1400	1000				upcast.
26	LN06	CTD	15:53	BE	42	50 8.24 N	128 42.51 W	GPS	1200	990				Down cast
26	LN06	BOT	16:13	BE	43	50 8.33 N	128 42.15 W	GPS	1800	995				Calibration bottle
26	LN06	CTD	16:17	BE	44	50 8.34 N	128 42.08 W	GPS	1200	996				upcast
26	LN05	CTD	17:04	BE	45	50 12.28 N	128 35.68 W	GPS	1045	1000				Downcast.
26	LN05	CTD	17:17	BE	46	50 12.35 N	128 35.84 W	GPS	1045	1000				upcast
26	LN04	CTD	18:03	BE	47	50 15.95 N	128 28.84 W	GPS	1213	1000				Downcast.
26	LN04	CTD	18:15	BE	48	50 15.98 N	128 28.90 W	GPS	1213	1000				upcast
26	LN03	CTD	19:04	BE	49	50 19.68	128 22.23	GPS	830	815				Down
26	LN03	CTD	19:16	BE	50	50.19.74	128 22.45	GPS	830	815				Upcast
26	LN02	CTD	20:00	BE	51	50 23.44	128 15.71	GPS	165	170				Downcast
26	LN02	CTD	20:03	BE	52	50 23.46	128 15.76	GPS	165	170				Upcast
26	LN01	CTD	20:41	BE	53	50 26.76	128 09.08	GPS	75	70				Downcast

CAST TYPE -
 BOT -
 CTD -
 MOR -

bottle cast
 ctd
 mooring

ROS -
 NET -
 DRF -

rosette
 net haul
 drifter

USW - sea water loop

TIME CODE -

BE -
 BO -
 EN -

beginning time of cast
 bottom time of cast
 end of cast

DE -
 MR -
 RE -

deployment time
 messenger release
 recover mooring

POSITION CODE -

RAD -
 GPS -
 LOR -

RADAR
 GLOBAL
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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		JULY		CSS VECTOR		1.0.5. 95-23								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
26	LN01	CTD	20:43	BE	54	50-26.77	128-9.09	GPS	75	70				Up cast
26	C023	CTD	23:13	BE	55	50-48.21	128-27.14	GPS	48	46				Downcast, CAPE SCOTT
26	C023	CTD	23:20	BE	56	50-48.20	128-27.12	GPS	48	42.1				Upcast
26	C021	CTD	23:53	BE	57	50-51.43	128-32.48	GPS	50	44				Downcast
26	C021	CTD	23:56	BE	58	50-51.40	128-32.48	GPS	50	44				Upcast
27	C019	CTD	00:31	BE	59	50-55.04	128-37.18	GPS	65	62				Downcast
27	C019	CTD	00:33	BE	60	50-55.04	128-37.55	GPS	65	62				Upcast
27	C017	CTD	01:11	BE	61	50-59.55	128-43.48	GPS	74	68				Downcast
27	C017	CTD	01:14	BE	62	50-59.54	128-43.48	GPS	74	68				Upcast
27	C015	CTD	01:58	BE	63	51-05.08	128-46.29	GPS	67	62				Downcast
27	C015	CTD	02:00	BE	64	51-05.10	128-46.25	GPS	67	62				Upcast
27	C013	CTD	02:38	BE	65	51-10.09	128-49.00	GPS	117	110				Downcast
27	C013	CTD	02:41	BE	66	51-10.10	128-48.94	GPS	11	110				Upcast
27	C012	CTD	03:06	BE	67	51-12.50	128-50.35	GPS	131	125				Downcast
27	C012	CTD	03:08	BE	68	51-12.536	128-50.33	GPS	131	125				Upcast
27	C011	CTD	03:28	BE	69	51-15.30	128-52.004	GPS	208	200				Down Cast
27	C011	CTD	03:31	BE	70	51-15.358	128-52.071	GPS	208	200				Upcast
27	C009	CTD	04:08	BE	71	51-21.125	128-54.415	GPS	238	230				Down cast

CAST TYPE -

 BOT - bottle cast
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TIME CODE -

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POSITION CODE -

 RAD - RADAR
 GPS - GLOBAL
 LOR - LORAN

CALIBRATION Bottle data

LN 6	SN	AUX	MAIN	SN	AUX	MAIN
	7647	13.4	3.61	6536	13.8	3.61

C 6 9	7647	13.1	6.06	6536	14.9	6.20
-------	------	------	------	------	------	------

G 4		14.6	14.20		14.7	14.20
-----	--	------	-------	--	------	-------

G 13		17.5	6.23		17.7	6.25
------	--	------	------	--	------	------

SS 2 6		17.0	3.87		17.0	3.86
--------	--	------	------	--	------	------

13.7m G 3		19.0	14.63		19.0	14.63
-----------	--	------	-------	--	------	-------

MC 99		17.7	6.18		17.4	6.17
		18.0	6.18		17.8	6.17

780m JS 5		16.7	4.04		16.8	4.04
-----------	--	------	------	--	------	------

101m M 3		19.7	6.24		19.2	6.25
----------	--	------	------	--	------	------

G 6		20.5	5.34		20.6	5.35
		21.2	5.33		20.7	5.35

SN	AUX	MAIN	
10246	12.0	12.25	Bad

10246	12.1	12.30	Bad
-------	------	-------	-----

	14.4	12.31	Bad
--	------	-------	-----

	16.0	7.50
--	------	------

	14.4	12.62
--	------	-------

	17.7	14.75
--	------	-------

	16.0	7.58
--	------	------

	16.4	7.60
--	------	------

	14.9	10.60
--	------	-------

	16.3	7.70
--	------	------

	18.3	7.76
--	------	------

	18.6	7.80
--	------	------

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DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE		LONGITUDE		POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
27	C009	CTD	04:11	BE	72	51 21 19.4	128 54 41.9	GPS	237	230						CALIB SAMP ACC
27	C009		04:13	BE	73	51 21 30	128 54 30	GPS								UPCAST
27	C009	DRF	04:17			51 21 30	128 54 30	GPS					21246	3/10910		DRIFTER DEPLOY
27	GH05	CTD	05:03	BE	74	51 24 04.8	128 42 54.2	GPS	224	220						Downcast
27	GH05	CTD	05:07	BE	75	51 24 05.0	128 42 05.8	GPS	224	220						UPCAST
27	GH04	CTD	06:14	BE	76	51 29 00	128 26 53.1	GPS	195	190						Downcast
27	GH04	CTD	06:15	BE	77	51 29 00	128 26	GPS	195	190						UPCAST
27	GH04	DRF	06:30			51 29 00	128 26 47.4	GPS					21248	4/10912		DRIFTER
27	GH04	CTD	06:25	BE	78	51 28 8.30	128 26 55.5	GPS								CALIBRATION 14M
27	6610	CTD	07:16	BE	79	51 25.21	128 14.31	GPS	185	180						Downcast
27	6610	CTD	07:17	BE	80	51 25.19	128 14.24	GPS	185	180						UPCAST
27	6611	CTD	08:10	BE	81	51 32.98	128 12.95	GPS	90	85						Downcast
27	6611	CTD	08:12	BE	82	51 32.98	128 12.93	GPS	90	85						UPCAST
27	6612	CTD	08:48	BE	83	51 38.12	128 14.07	GPS	102	98						Downcast
27	6612	CTD	08:50	BE	84	51 38.15	128 14.06	GPS	102	98						UPCAST
27	FHS2	CTD		BE	85	51 46.08	127 56.98	GPS	393	389 - only	discharge to 380m	Header				Downcast Fitzhugh Sound.
27	FHS2	CTD		BE	86	51 46.00	127 56.77	GPS	393	382						UPCAST
27	FHS1	CTD	12:18	BE	88	51 30.55	127 50.03	GPS	152	147						DOWNCAST

CAST TYPE - BOT - bottle cast
CTD - ctd
MOR - mooring

ROS - rosette
NET - net haul
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USW - sea water loop

TIME CODE - BE - beginning time of cast
BO - bottom time of cast
EN - end of cast

DE - deployment time
MR - messenger release
RE - recover mooring

POSITION CODE - RAD - RADAR
GPS - GLOBAL
LOR - LORAN

QG09

CTD INTO BLOCK jammed. Lowered the block
to remove CTD from block.

No damage to termination (very lucky)

Cast 90 ABORT.

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YEAR			MONTH			SHIP			CRUISE					PAGE	OF
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27	FHS1	CTD	12:22	BE	89	51 30.58	129 50.04	GPS	152	147				UPCAST	
27	GG09	CTD	1507	BE	90/91	51 20 209	128 03 252	GPS	168	160				ABORTED See Note DOWNCAST	
27	GG09	CTD	1509	BE	92	51 20 177	128 03 215	GPS	163	158				UPCAST	
27	GG08	CTD	1603	BE	93	51 14 488	127 54 592	GPS	137	130				Downcast	
27	GG08	CTD	1605	BE	94	51 14 546	127 54 475	GPS	137	130				Upcast	
27	GG15	CTD	1654	BE	95	51 15 013	128 07 024	GPS	35	30				Downcast	
27	GG15	CTD	1656	BE	96	51 14 98	128 07 048	GPS	35	30				Upcast	
27	GG13	CTD	1807	BE	97	51 09.97	128 22.47	GPS	191	185				Down Cast	
27	GG13	CTD	18:11	BE	98	51 09 945	128 22 398	GPS	191	187				Upcast	
27	GG13	CTD	18:23	BOT	99	51 10 008	128 22 050	GPS	191	150				Calibration Bottle CTD	
27	CG18	CTD	20:07	BE	100	50 57.35	128 40.98	GPS	82	78				Downcast	
27	CG18	CTD	20:09	BE	101	50 57.36	128 40.99	GPS	82	78				Upcast	
27	JS14	CTD	21:16	BE	102	50 47.25	128 47.86	GPS	115	113				Downcast	
27	JS14	CTD	21:19	BE	103	50 47.23	128 47.88	GPS	115	113				Upcast	
27	JS13	CTD	22:07	BE	104	50 49.49	128 58.45	GPS	111	105				Downcast	
27	JS13	CTD	22:10	BE	105	50 49.42	128 58.50	GPS	111	105				Upcast	
27	JS12	CTD	23:07	BE	106	50 52.98	129 08.30	GPS						ABORTED DOWNCAST	
27	JS12	CTD	23:07	BE	107	50 52.98	129 08.30	GPS	60	55				DOWNCAST	

CAST TYPE -

BOT -

bottle cast

CTD -

ctd

MOR -

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USW -

sea water loop

TIME CODE -

BE -

beginning time of cast

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bottom time of cast

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deployment time

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messenger release

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27	JS12	CTD	23:07	BE	108	50 52.98	129 08.31	GPS	60	55				UPCAST
28	JS11	CTD	00:50	BE	109	51 0.02	129 20.76	GPS	187	182				DOWNCAST
28	JS11	CTD	00:55	BE	110	51 0.00	129 20.65	GPS	187	182				UPCAST
28	JS18	CTD	03:09	BE	112	50 44.749	129 47.665	GPS	2050	1000				DownCast BAD #111
28	JS18	CTD	03:22	BE	113	50 44.846	129 48.259	GPS	2050	1000				UPCAST.
28	JS20	CTD	04:59	BE	114	50 55.816	130 05.671	GPS	2167	1000				DOWN + CALIBRATION
28	JS20	CTD	05:25	BE	115	50 55.951	130 06.336	GPS	2167	1000				AT START OF UPGAST Messenger 05:19
28	GH09	CTD	06:18	BE	116	50 59.981	130 00.033	GPS	2075	1000				Downcast.
28	GH09	CTD	06:33	BE	117	50 00.217	130 00.444	GPS	2075	1000				Upcast.
28	JS10	CTD	08:26	BE	118	51 07.85	129 34.84	GPS	277	267				Downcast
28	JS10	CTD	08:33	BE	119	51 07.92	129 34.91	GPS	277	267				Upcast.
28	GH07	CTD	09:46	BE	120	51 12.91	129 17.01	GPS	297	292				Downcast
28	GH07	CTD	09:54	BE	121	51 12.81	129 17.00	GPS	297	292				Upcast.
28	C009	CTD	11:30	BE	122	51-21.11	128-54.19	GPS	239	230				DOWNCAST
28	C009	CTD	11:36	BE	123	51-21.11	128-54.12	GPS	239	230				UPCAST
28	C007	CTD	12:14	BE	124	51-24.39	128-54.27	GPS	208	200				DOWNCAST
28	C007	CTD	12:19	BE	125	51-24.36	128-54.19	GPS	208	200				UPCAST
28	C005	CTD	12:49	BE	126	51-27.95	128-54.51	GPS	103	100				DOWNCAST

CAST TYPE -

BOT -

bottle cast
ctd
mooring

ROS -

NET -
DRF -rosette
net haul
drifter

USW -

sea water loop

TIME CODE -

BE -

BO -
EN -beginning time of cast
bottom time of cast
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MR -
RE -deployment time
messenger release
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POSITION CODE -

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OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH				SHIP				CRUISE				PAGE		OF	
95		JULY				VECTOR				9525							
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS			
28	C005	CTD	12:52	BE	127	51-27.91	128-54.63	GPS	103	100				UPCAST			
28	C003	CTD	13:23	BE	128	51-31.29	128-54.50	GPS	47	44				DOWNCAST			
28	C003	CTD	13:26	BE	129	51-31.31	128-54.54	GPS	47	44				UPCAST			
28	C000	CTD	13:58	BE	130	51-35.42	128-54.36	GPS	47	44				DOWNCAST			
28	C000	CTD	14:00	BE	131	51-35.41	128-54.33	GPS	47	44				UPCAST			
28	GI01	CTD	14:43	BE	132	51-37.27	128-46.35	GPS	40	36				DOWNCAST			
28	GI01	CTD	14:44	BE	133	51-37.28	128-46.40	GPS	40	36				UPCAST			
28	GI03	CTD	15:34	BE	134	51-40.375	128-36.378	GPS	38	34				DOWNCAST			
28	GI03	CTD	16:35	BE	135	51 40 384	128 36 419	GPS	38	34				UPCAST			
28	GI05	CTD	16:11	BE	136	51 42 240	128 28 313	GPS	148	142				DOWNCAST			
28	GI05	CTD	16:14	BE	137	51 42 270	128 28 318	GPS	148	142				UPCAST			
28	GI07	CTD	16:48	BE	138	51 44 730	128 19 994	GPS	146	143				DOWNCAST			
28	GI07	CTD	16:51	BE	139	51 44 752	128 19 932	GPS	146	143				UPCAST			
28	GI08	CTD	17:11	BE	140	51 45 756	128 16 071	GPS	107	100				DOWNCAST			
28	GI08	CTD	17:13	BE	141	51 45 828	128 16 111	GPS	107	100				UPCAST			
28	GK01	CTD	17:57	BE	142	51 52 327	128 21 825	GPS	166	160				DOWNCAST			
28	GK01	CTD	18:01	BE	143	51 52 355	128 21 792	GPS	166	160				UPCAST			

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH				SHIP				CRUISE				PAGE		OF	
95		JULY				VECTOR				9523							
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE		LONGITUDE		POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
28	GK02	CTD	18:47	BE	144	52 00.076		128 22.095		GPS	168	163				Down Touch Bottom	
28	GK02	CTD	18:50	BE	145	52 00.076		128 22.095		GPS	168	163				Up	
28	GK03	CTD	19:36	BE	146	52 04.05		128 33.47		GPS	63	60				Down Touch Bottom	
28	GK03	CTD	19:38	BE	147	52 04.05		128 33.48		GPS	63	60				Up	
28	GK04	CTD	20:22	BE	148	52 10.50		128 39.70		GPS	232	225				Downcast	
28	GK04	CTD	20:26	BE	149	52 10.55		128 39.76		GPS	232	225				Upcast	
28	GK10	CTD	21:10	BE	150	52 16.80		128 34.96		GPS	260	250				Downcast	
28	GK10	CTD	21:14	BE	151	52 16.81		128 34.88		GPS	260	250				Upcast	
28	MIL1	CTD	21:44	BE	152	52 21.99		128 34.00		GPS	241	235				Downcast	
28	MIL1	CTD	21:54	BE	153	52 21.89		128 33.98		GPS	241	235				Upcast	
28	GK05	CTD	23:29	BE	154	52-14.71		128-49.41		GPS	200	195				DOWNCAST	
28	GK05	CTD	23:33	BE	155	52-14.68		128-49.36		GPS	200	195				UPCAST	
29	GK06	CTD	00:32	BE	156	52-19.44		129-00.04		GPS	139	135				DOWNCAST	
29	GK06	CTD	00:36	BE	157	52-19.38		129-00.02		GPS	133	135				UPCAST	
29	GK07	CTD	01:28	BE	158	52-25.04		129-08.44		GPS	127	121				DOWNCAST	
29	GK07	CTD	01:31	BE	159	52-25.01		129-08.43		GPS	127	121				UPCAST	
29	GK08	CTD	02:22	BE	160	52-32.20		129-11.21		GPS	151	146				DOWNCAST	
29	GK08	CTD	02:25	BE	161	52-32.17		129-11.16		GPS	150	146				UPCAST	

CAST TYPE -

BOT - bottle cast
CTD - ctd
MOR - mooringROS - rosette
NET - net haul
DRF - drifter

USW - sea water loop

TIME CODE -

BE - beginning time of cast
BO - bottom time of cast
EN - end of castDE - deployment time
MR - messenger release
RE - recover mooring

POSITION CODE -

RAD - RADAR
GPS - GLOBAL
LOR - LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
95			July			VECTOR			9523						
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
29	GN05	CTD	0326	BE	162	52 27 613	129 25 321	GPS	37	33				DOWNCAST	
29	GN05	CTD	0327	BE	163	52 27 590	129 25 413	GPS	37	33				UPCAST	
29	GN04	CTD	0404	BE	164	52 21 813	129 29 094	GPS	117	110				DOWNCAST	
29	GN04	CTD	0407	BE	165	52 21 748	129 29 085	GPS	107	100				UPCAST	
29	GN04	DRF	0411	/	/	52 21 728	129 29 085	GPS	/	/	21247	5/10913		DRIFTER	
29	GN03	CTD	0443	BE	166	52 15 739	129 33 497	GPS	212	203				Down Cast	
29	GN03	CTD	0448	BE	167	52 15 696	129 33 528	GPS	212	203				Upcast.	
29	GN02	CTD	0525	BE	168	52 10 00	129 37 520	GPS	224	220				Down Cast	
29	GN02	CTD	0530	BE	169	52 10 00	129 37 600	GPS	224	220				Upcast.	
29	GN01	CTD	0612	BE	170	52 03 606	129 42 244	GPS	178	172				Down Cast	
29	GN01	CTD	0615	BE	171	52 03 562	129 42 356	GPS	178	172				Upcast.	
29	GH14	CTD	0705	BE	172	52 00.05	129 30.17	GPS	211	205					
29	GH14	CTD	0709	BE	173	52 00.14	129 30.25	GPS	211	205					
29	GH14	DRF	0716	-	-	52 00.151	129 30.32	GPS			21242	5/110906		DRIFTER.	
29	GM12	CTD	-	BE	174	52 -	-	GPS	176	-				Conductivity cell dry	
29	GM12	CTD	0817	BE	175	52 04 02	129 14.60	GPS	176	170				Down cast	
29	GM12	CTD	0821	BE	176	52 04 02	129 14.60	GPS	176	170				upcast	
29	Gm06	CTD	0926	BE	177	52 07.84	128 58.57	GPS	184	177				Downcast	

CAST TYPE -

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MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW -

sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		July		CSS Vector		95-23								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDR CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
29	GM06	CTD	0931	BE	178	52 07.90	128 58.53	GPS	184	177				Upcast
29	GM04	CTD	1037	BE	179	51 56.51	128 56.46	GPS	100	95				Downcast
29	GM04	CTD	10:40	BE	180	51 56.46	128 56.45	GPS	100	95				Upcast
	GM02				181									ABORTED DOWN
					182									ABORTED UP
29	GM02	CTD	11:43	BE	183	51 45.99	128 54.94	GPS	68	63				DOWNCAST
29	GM02	CTD	11:45	BE	184	51 45.96	128 54.94	GPS	68	63				UPCAST
29	CO00	CTD	12:47	BE	185	51 35.19	128 34.47	GPS	49	44				DOWNCAST?
29	CO00	CTD	12:49	BE	186	51 35.16	128 34.48	GPS	49	44				UPCAST
29	MC01	CTD	13:20	BE	187	51 35.31	129 02.21	GPS	49	44				DOWNCAST
29	MC01	CTD	13:22	BE	188	51 35.30	129 02.24	GPS	49	44				UPCAST
29	MC02	CTD	13:55	BE	189	51 35.22	129 10.17	GPS	48	44				DOWNCAST
29	MC02	CTD	13:58	BE	190	51 35.22	129 10.31	GPS	48	44				UPCAST
29	MC02		1406			51 35.16	129 10.59	GPS		21249 9N10911				DRIFTER LAUNCH
29	MC03	CTD	14:32	BE	191	51 35.32	129 18.42	GPS	56	61				DOWNCAST
29	MC03	CTD	14:34	BE	192	51 35.30	129 18.53	GPS	56	61				UPCAST
29	GL02	CTD	15:55	BE	193	51 30.35	129 37.54	GPS	146	141				DOWNCAST
29	GL02	CTD	15:58	BE	194	51 30.34	129 37.66	GPS	146	141				UPCAST

CAST TYPE -
 BOT - bottle cast
 CTD - ctd
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 DRF - drifter

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TIME CODE -
 BE - beginning time of cast
 BO - bottom time of cast
 EN - end of cast

DE - deployment time
 MR - messenger release
 RE - recover mooring

POSITION CODE -
 RAD - RADAR
 GPS - GLOBAL
 LOR - LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		July		Vector		9523								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
29	G103	CTD	16:58	BE	195	51 24.33 N	129 50.12 W	GPS	223	210.00				DOWNCAST
29	G103	CTD	17:02	BE	196	51 24.33 N	129 50.03 W	GPS	223	216.30				UPCAST
29	G103	BOT	17:12	BE	197	51 24.27 N	129 50.01 W	GPS	223	13.75				BOTTLE
29	G104	CTD	17:46	BE	198	51 21.33 N	129 56.53 W	GPS	253	248				DOWNCAST
29	G104	CTD	17:50	BE	199	51 21.34	129 56.51 W	GPS	253	248				UPCAST
29	G105	CTD	18:26	BE	200	51 18.27	130 02.82 W	GPS	342	338				DOWNCAST
29	G105	CTD	18:31	BE	201	51 18.25	130 02.83 W	GPS	342	338				UPCAST
29	G106	CTD	19:08	BE	202	51 15.23 N	130 09.01 W	GPS	930	910				Downcast
29	G106	CTD	19:26	BE	203	51 15.04	130 09.28	GPS	930	910				UPCAST
29	JS17	CTD	20:46	UTC	205	51 06.64	130 22.48	GPS	2095	1000				Downcast WRC
29	JS17	CTD	21:04	UTC	206	51 06.72	130 22.74	GPS	2095	1000				UPcast WRC
29	JS21	CTD	22:50	UTC	207	51 12.39	130 39.13	GPS	2025	1000				Downcast WRC
29	JS21	CTD	23:07	UTC	208	51 17.65	130 39.31	GPS	2025	1000				Upcast WRC
30	JS07	CTD	01:11	BE	209	51 32.44	130 18.77	GPS	995	990				DOWNCAST
30	JS07	CTD	01:27	BE	210	51 32.31	130 19.00	GPS	995	990				UPCAST
30	GH11	CTD	03:00	BE	211	51 34.974	130 00.142	GPS	245	240				DOWNCAST
30	GH11	CTD	03:05	BE	212	51 34.983	130 00.286	GPS						Upcast
CAST TYPE - BOT - bottle cast ROS - rosette USW - sea water loop TIME CODE BE - bottom echosounder														

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

may not have waited long enough for messenger to
trip bottle - WRC

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		July		CSS		VE CTOR		95-23						
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
30	GH12	CTD	0413	BE	213	51 43 174	129 50 062	GPS	342	338				Down
30	GH12	CTD	0418	BE	214	51 43 169	129 50 189	GPS	342	338				Up
30	MC04	CTD	0558	BE	215	51 40 191	129 23 147	GPS	62	60				Down
30	MC04	CTD	0600	BE	216	51 40 185	129 23 156	GPS	62	60				Up
30	MC05	CTD	0634	BE	217	51 44 296	129 28 025	GPS	94	90				Down
30	MC05	CTD	0638	BE	218	51 44 260	129 28 017	GPS	94	90				wp.
30	MC07	CTD	0707	BE	219	51 47.94	129 32.13	GPS	253	247				Down URC
30	MC07	CTD	0713	BE	220	51 48.94	129 32.23	GPS	253	247				Up URC
30	MC09	CTD	0756	BE	222	51 52.99	129 38.52	GPS	245	240			URC	Down
30	MC09	CTD	0801	BE	223	51 52.94	129 38.57	GPS	245	230				Up to 175m Up
30	MC09	CTD	0807	BE	224	51 52.96	129 38.66	GPS	245	163	May have started which too soon		URC	Up Bottle @ 175m Up
30	MC11	CTD		BE	225	51 57.17	129 46.03	GPS	130	125			URC	Down
30	MC11	CTD	0856	BE	226	51 57.14	129 46.15	GPS	130	125			URC	Up
30	MC12	CTD	0929	BE	227	51 57.26	129 54.22	GPS	134	127			URC	Down
30	MC12	CTD	0931	BE	228	51 57.23	129 54.22	GPS	134	127			URC	Up
30	MC13	CTD	1005	BE	229	51 57.27	130 02.33	GPS	145	138			URC	Down
30	MC13	CTD	1008	BE	230	51 57.21	130 02.35	GPS	145	136			URC	Up
30														

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		July		CSS VECTOR		95-23								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
30	MC14	CTD	1043	BE	231	51 57.27	130 10.48	GPS	184	180				Down touched bottom.
30	MC14	CTD	1047	BE	232	51 57.20	130 10.54	GPS	184	180				Up
30	MC14		1056			51° 57.32	130 10.63	GPS	DRIFTER	LAUNCH		21240		S/N 10904
30	MC15	CTD	11:22	BE	233	51-57.27	130-18.52	GPS	305	300				DOWNCAST BW,DK
30	MC15	CTD	11:29	BE	234	51-57.18	130-18.55	GPS	305	300				UPCAST
30	MC16	CTD	12:08	BE	235	51-57.33	130-27.18	GPS	430	425				DOWNCAST
30	MC16	CTD	12:16	BE	236	51-57.47	130-27.19	GPS	430	425				UPCAST
30	MC17	CTD	12:53	BE	237	51-57.29	130-35.07	GPS	350	345				DOWNCAST
30	MC17	CTD	12:59	BE	238	51-57.24	130-35.16	GPS	350	345				UPCAST
30	MC17A	CTD	13:29	BE	239	51-57.23	130-41.30	GPS	306	300				DOWNCAST
30	MC17A	CTD	13:35	BE	240	51-57.11	130-41.45	GPS	306	300				UPCAST
30	MC18	CTD	14:02	BE	241	51-57.28	130-47.71	GPS	234	228				DOWNCAST
30	MC18	CTD	14:09	BE	242	51-57.17	130-47.77	GPS	234	228				UPCAST
30	MC19	CTD	14:20	BE	243	51-57.26	130-50.35	GPS	178	175				DOWNCAST
30	MC19	CTD	14:32	BE	244	51-57.19	130-50.54	GPS	178	175				UPCAST
30	MC20	CTD	14:56	BE	245	51-57.23	130-55.47	GPS	130	124				DOWNCAST
30	MC20	CTD	14:59	BE	246	51-57.12	130-55.50	GPS	130	124				UPCAST
30	MC21	CTD	15:21	BE	247	51 57 21.5	130 58 38.7	GPS	100	95				DOWNCAST.

CAST TYPE -

BOT -
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MOR -bottle cast
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drifter

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TIME CODE -

BE -
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EN -beginning time of cast
bottom time of cast
end of castDE -
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POSITION CODE -

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LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE					PAGE		OF	
1995		July		VECTOR		95-23								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
30	MO21	CTD	1524	BE	248	51 57.133	130 58.535	GPS	93	95			K	Upcast
30	JS01	CTD	17:04	BE	249	51 55.029	130 55.001	GPS	70	64				down
30	JS01	CTD	17:07	BE	250	51 55.029	130 55.00	GPS	70	64				
30	CS01	CTD	17:25	BE	251	51 55.350	131 02.176	GPS	106	100				↓
30	CJ01	CTD	17:27	BE	252	51 55.324	131 02.124	GPS	107	100				
30	CS02	CTD	17:39	BE	253	51 54.558	131 03.277	GPS	192	186				↓
30	CJ02	CTD	17:44	BE	254	51 54.460	131 03.153	GPS	186	177				
30	CS03	CTD	18:04	BE	255	51 53.00	131 05.467	GPS	1110	1000				↓
30	CS03	CTD	18:21	BE	256	51 52.892	131 05.314	GPS	1110	1000				
30	CJ04	CTD	18:45	BE	257	51 51.794	131 07.514	GPS	1900	1000				
30	CS04	BOT		BE	258	51 51	131 07	GPS	1900					Downcast Winds picking up Unable to maintain station & depth bottle aborted
30	CS04	CTD	19:05	BE	258	51 51.79	131 06.98	GPS	1900	1000				Upcast consec. cnt. incremented
30	CS05	CTD	19:42	BE	260	51 50.05	131 09.53	GPS	2040	1000				Downcast by accident
30	CJ05	CTD	19:58	BE	261	51 50.05	131 09.94	GPS	2040	1000				Upcast
30	CJ06	CTD	20:38	BE	262	51 46.94	131 13.87	GPS	1970	1000				Downcast
30	CJ07	CTD	21:33	BE	263	51 44.09	131 17.92	GPS	2000	1000				Downcast
30	CJ07	CTD	21:49	BE	264	51 44.10	131 18.06	GPS	2000	1000				Upcast

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
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EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
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recover mooring

POSITION CODE -

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LOR -RADAR
GLOBAL
LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1995			July			VECTOR			95-23						
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
30	JS22	CTD	23:01	BE	265	51-36.18	131-07.57	GPS	2339	1001				Downcast	
30	JS22	CTD	23:17	BE	266	51-36.31	131-07.61	GPS	2339	1001				Upcast	
31	JS16	CTD	00:34	BE	267	51-28.59	130-56.96	GPS	2110	1006				Downcast	
31	JS16	CTD	00:53	BE	268	51-28.96	130-58.01	GPS	2110	1006				Upcast	
31	JS06	CTD	03:06	BE	269	51 39 628	130 31 595	GPS	1132	1000				Downcast	
31	JS06	CTD	03:19	BE	270	51 39 498	130 31 129	GPS	1129	1000				Upcast	
31	JS05	CTD	04:08	BE	271	51 44 00	130 39 563	GPS	820	800				Downcast	
31	JS05	BOT	04:28	BE	272	51 44 00	130 39 995	GPS	807	781	Messenger 2424		jr	Calibration Sample	
31	JS05	CTD	04:29	BE	273	51 44 013	130 39 00	GPS	807	781				Upcast	
31	JS04	CTD	05:10	BE	274	51 47 934	130 46 543	GPS	254	250				Downcast	
31	JS04	CTD	05:14	BE	275	51 49 00	130 46 675	GPS	254	250				Upcast	
31	JS03	CTD	05:43	BE	276	51 50 422	130 51 511	GPS	189	185				Downcast	
31	JS03	CTD	05:46	BE	277	51 50 591	130 51 570	GPS	185	181				Upcast	
31	JS02	CTD	06:12	BE	278	51 53 31	130 56 12	GPS	86	80				Downcast	
31	JS02	CTD	06:14	BE	279	51 53 31	130 56 12	GPS	83	80				Upcast	
31	GP10	CTD	08:30	BE	280	52 17.40	130 43.26	GPS	165	163				Downcast	
31	GP10	CTD	08:34	BE	281	52 17.47	130 43.45	GPS	165	163				Upcast	

CAST TYPE -
 BOT - bottle cast
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 DRF - drifter

USW - sea water loop

TIME CODE -
 BE - beginning time of cast
 BO - bottom time of cast
 EN - end of cast

DE - deployment time
 MR - messenger release
 RE - recover mooring

POSITION CODE -
 RAD - RADAR
 LOR - GLOBAL LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR				MONTH		SHIP				CRUISE					PAGE	OF
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS		
31	M012	CTD	0956	BE	282	52 22.62	131 05.83	GPS	117	110				Downcast		
31	M012	CTD	0958	BE	283	52 22.61	131 05.90	GPS	117	110				Upcast		
31	M011	CTD	10:39	BE	284	52 23.97	130 56.08	GPS	137	130				Downcast		
31	M011	CTD	10:41	BE	285	52 23.97	130 56.08	GPS	137	130				Upcast		
31	M010	CTD	11:19	BE	286	52 25.48	130 46.92	GPS	110	105				Downcast		
31	M010	CTD	11:21	BE	287	52 25.48	130 46.97	GPS	110	105				Upcast		
31	M009	CTD	11:59	BE	288	52 26.91	130 38.14	GPS	132	128				Downcast		
31	M009	CTD	12:02	BE	289	52 26.90	130 38.22	GPS	132	128				Upcast		
31	M008	CTD	12:41	BE	290	52 28.50	130 28.88	GPS	180	175				Downcast		
31	M008	CTD	12:44	BE	291	52 28.46	130 28.87	GPS	180	175				Upcast		
31	M007	CTD	13:20	BE	292	52 30.01	130 14.95	GPS	258	253				Downcast		
31	M007	CTD	13:23	BE	293	52 29.97	130 14.88	GPS	258	253				Upcast		
31	M006	CTD	14:00	BE	294	52 31.40	130 10.89	GPS	302	297				Downcast		
31	M006	CTD	14:05	BE	295	52 31.35	130 10.71	GPS	302	297				Upcast		
31	M005	CTD	14:35	BE	296	52 32.61	130 03.76	GPS	293	288				Downcast		
31	M005	CTD	14:39	BE	297	52 32.56	130 03.65	GPS	293	288				Upcast		
31	M004	CTD	15:15	BE	298	52 33.750	129 56.667	GPS	261	255				Downcast		
31	M004	CTD	15:18	BE	299	52 33.736	129 56.480	GPS	260	253				Upcast		

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DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE								PAGE	OF
95		JULY													
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
31	M003	CTD	16:01	BE	300	52 35 362	129 47 341	GPS	179	175				Down Cast	
31	M003	BOT	16:10		301					161	Messange 1610		1/2	CALIBRATION FILE	
31	M003	CTD	16:12	BE	302	52 35 312	129 47 085	GPS	175	161				UPCAST	
31	M002	CTD	16:48	BE	303	52 36 912	129 37 904	GPS	156	150				Downcast	
31	M002	CTD	16:51	BE	304	52 36 808	129 37 783	GPS	156	152				Upcast	
31	M001	CTD	17:12	BE	305	52 37 690	129 33 635	GPS	96	90				Down Cast	
31	M001	CTD	17:14	BE	306	52 37 681	129 33 629	GPS	96	91				Upcast	
31	M000	CTD	18:06	BE	307	52 38 497	129 20 620	GPS	128	125				Down Cast	
31	M000	CTD	18:10	BE	308	52 38 500	129 20 584	GPS	127	123				Upcast	
31	GP20	CTD	20:39	BE	309	52 22.32	129 55.04	GPS	207	200				Downcast ELDT	
31	GP20	CTD	20:42	BE	310	52 22.28	129 55.00	GPS	207	200				Upcast	
31	GP07	CTD	22:36	BE	311	52 13.04	130 23.75	GPS	382	375				Downcast ELDT	
31	GP07	CTD	22:42	BE	312	52 13.22	130 23.72	GPS	382	375				Upcast	
31	GP06	CTD	23:14	BE	313	52 11.92	130 18.59	GPS	392	380				DOWNCAST	
31	GP06	CTD	23:21	BE	315	52 12.09	130 18.52	GPS	386	380				UPCAST - STOP @ 325m	
31	GP06	CTD	23:29	BE	316	52 12.20	130 18.36	GPS	382	325	T stable to messenger	0.03 while dropping		CALIBRATION FILE	
31	GP06	CTD	23:30	BE	317	52 12.25	130 18.28	GPS	382	325				UPCAST - START @ 325m	
31	GP05	CTD	23:58	BE	318	52 10.93	130 13.42	GPS	502	495				DOWNCAST	

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POSITION CODE -

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RADAR
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LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

[illegible]

CAST TYPE -

BOT -
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bottle cast
ctd
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