

CRUISE
NUMBER

2001-19

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

June 25-30 2001

VESSEL

VECTOR

PROJECT

SoG - JdeF

Captain: _____ First Officer: _____
Second Officer: _____ Third Officer: _____
Cruise Participants / Agencies: IOS
Scientific Personnel: Party Chief: Diane Masson

Name	Watch	Cabin	Name	Watch	Cabin
<u>Doug Anderson</u>	_____	_____	_____	_____	_____
<u>Andrew Lee</u>	_____	_____	_____	_____	_____
<u>Marion Masson</u>	_____	_____	_____	_____	_____
<u>Emilie Davenne</u>	_____	_____	_____	_____	_____
<u>Thibaut Debrabandere</u>	_____	_____	_____	_____	_____
<u>Cynthia Wright</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Second leg of cruise:		Party Chief:			
Name	Watch	Cabin	Name	Watch	Cabin

Data logging system: Unit no.: _____
Program Name: _____ Program version: _____
CTD deck unit make: _____ model: _____ serial no.: _____
Computer make: _____ model: _____ serial no.: _____

1st CTD make: _____ model: _____ serial no.: 0550
Temperature sensor
coefficients: slope: _____ serial no.: _____
Conductivity sensor
coefficients: slope: _____ serial no.: _____
Pressure sensor range: _____ psi
coefficients: FSP: _____ dB
Transmissometer
coefficients: slope: _____ serial no.: _____

Comments: _____

Fluorometer = Snappoint 2229
 Cable = 10 gain

Oxy V_b 1 .724 .728 .728 .724 .007 .005 .005
 2 .722 .728
 3 .722 .728

V_b 1 .018 .008 .007
 2 .003 .004
 3 .009 .005

$N = .01012956$
 10.02

C_o - .0011
 C_i - .0047
 chl - .15 $\mu g/l$

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
2001		June		Vector		2001-19		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
26	S.I.	ROS	1:27	BE	1	48 39.13	123 29.53	3E	121		1-6	6		
			1:31	BO		48 39.13	123 29.52	30		110				
			1:40	EN		48 39.10	123 29.49	EN						
59	ROS		3:36	BE	2	48 37.84	123 14.53	DE	234		7-20	14		
			3:44	BO		48 37.97	123 14.45			225				
			3:59	EN		48 38.20	123 14.17							
60	CTD		4:45	BE	3	48 38.20	123 14.17		294					
			4:51	BO		48 34.28	123 13.33			279				
			4:57	EN		48 34.55	123 13.47							
61			6:01	BE	4	48 29.17	123 9.19		274					
			6:07	BO		48 29.18	123 9.34			271				
			6:13	EN		48 29.16	123 9.50							
103			12:39	BE	5	48 32.97	124 43.04		126					
			12:42	BO		48 32.98	124 43.06			120				
			12:43	EN		48 32.99	124 43.05							
102	ROS		13:12	BE	6	48 29.98	124 44.06		261		21-35	15		BOT 6 did not close
			13:18	BO		48 29.93	124 44.23			253				
			13:29	EN		48 29.87	124 44.49							

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						
2001		JUNE		VECTOR		2001-19		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	101	ROS	14:09	BE	7	48 25.46	124 45.14		242					
			14:16	BO		48 25.46	124 45.14			237				
			14:21	EN		48 25.45	124 45.13							
	74	CTD	15:12	BE	8	48 25.11	124 35.65		185					
			15:18	BO		48 25.10	124 35.67			178				
			15:22	EN		48 25.10	124 35.66							
	75	ROS	16:07	BE	9	48 28.21	124 32.80		222		36-49			
			16:13	BO		48 28.21	124 32.81			218				
			16:29	EN		48 28.20	124 32.80							
	76		16:58	BE	10	48 31.42	124 30.01		86					
			17:02	BO		48 31.44	124 30.02			85				
			17:04	EN		48 31.44	124 30.02							
26	71	CTD	19:43	BE	11	48 22.23	123 59.51		109					
			19:46	BO		48 22.27	123 59.66			100				
			19:48	EN		48 22.29	123 59.68							
26	72	ROS	20:25	BE	12	48 18.70	124 04.22		186		50-62	13		
			20:30	BO		48 18.95	124 04.64			181				-then the listing is 17°
			20:44	EN		48 19.25	124 05.26							-wire out looked alright

CAST TYPE -

BOT -

bottle cast
ctd
mooring

ROS -

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

LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
2001		JUNE		VECTOR		2001-19		3						
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	73	ROS	21:20	BE	13	48 15.20	124 06.94		1164					
			21:24	BO		48 15.28	124 07.14			157				
			21:27	EN		48 15.32	124 07.23							
	68		22:26	BE	14	48 12.24	123 43.08		141					
			22:29	BO		48 12.31	123 43.07			136				
			22:33	EN		48 12.30	123 43.04							
27	69	ROS	00:01	BE	15	48 15.63	123 43.22		180		63-74	12		Large cable angle on way up
			00:05	BO		48 15.65	123 43.27			175				
			00:23	EN		48 16.11	123 43.67							
	70		00:55	BE	16	48 19.12	123 43.15		158					
			00:59	BO		48 19.18	123 43.10			147				
			1:02	EN		48 19.22	123 43.05							
	105		2:47	BE	17	48 11.08	123 18.69		95					
			2:50	BO		48 11.09	123 18.56			88				
			2:51	EN		48 11.09	123 18.46							
27	ADCP	ROS	3:15	BE	18	48 13.96	123 17.66		116		75-84	10		
			3:19	BO		48 13.95	123 17.49			114				
			3:27	EN		48 13.90	123 17.13							

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 2001			MONTH JUNE		SHIP VECTOR		CRUISE 2001-19					PAGE 4 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
27	104	ROS	4:11	BE	19	48 20.05	123 15.70		73					
			4:13	BO		48 20.08	123 15.61			67				
			4:16	EN		48 20.10	123 15.49							
	67		4:52	BE	20	48 22.80	123 17.96		110					
			4:55	BO		48 22.78	123 17.86			109				
			4:57	EN		48 22.77	123 17.77							
	66		5:30	BE	21	48 19.43	123 14.08		100					
			5:33	BO		48 19.47	123 14.03			99				
			5:35	EN		48 19.49	123 13.98							
	65	ROS	6:11	BE	22	48 15.93	123 9.98		126		97-106			* Wrong sta. name in header, named Sta 62.
			6:14	BO		48 15.92	123 10.02			121				
			6:24	EN		48 15.85	123 10.13							
27	64		7:04	BE	23	48 12.19	123 05.77		106					
			7:08	BO		48 12.94	123 05.83			103				
			7:11	EN		48 12.95	123 05.89							
	63		7:55	BE	24	48 14.57	122 58.55		153					
			7:59	BO		48 14.56	122 58.58			148				
			8:02	EN		48 14.57	122 58.59							

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 2001		MONTH JUNE		SHIP VECTOR		CRUISE 2001-19				PAGE 5		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
27	62	ROS	BE	9:16	25	48 22.80	123 02 61		148		85-96	12		
			BO	9:22		48 22.79	123 02 59			140				
			EN	9:34		48 22.82	123 02 59							
27	54		BE	11:12	26	48 26.57	122 44.29		80					
			BO	11:14		48 26.58	122 44.29			73				
			EN	11:16		48 26.58	122 44.29							
	53		BE	12:08	27	48 33.19	122 44.94		60					
			BO	12:11		48 33.18	122 44.95			53				pump turned on at 10m. depth
			EN	12:12		48 33.18	122 44.96							
	52		BE	12:59	28	48 38.90	122 43.29		86					
27			BO	13:01		48 38.89	122 43.29			78				
			EN	13:03		48 38.88	122 43.29							
	51		BE	14:12	29	48 46.74	122 51.51		165					
			BO	14:15		48 46.72	122 51.48			156				
			EN	14:18		48 46.69	122 51.47							
	56	ROS	BE	15:28	30	48 46.39	123 1.56		217		107 120	14		
			BO	15:34		48 46.37	123 1.50			215				
			EN	15:50		48 46.29	123 1.40							

CAST TYPE -

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

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				
2001		JUNE		VECTOR		2001-19		6						
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	57	ROS	16:26	BE	31	48 44.02	123 8.09		156					
			16:31	BO		48 44.04	123 8.06			148				
			16:33	EN		48 44.04	123 8.03							
	58		17:04	BE	32	48 42.98	123 14.17		329					
			17:12	BO		48 42.93	123 14.13			325				
			17:17	EN		48 42.90	123 14.10							
	47	CTD	18:54	BE	33	48 49.27	123 6.30		171					
			18:57	BO		48 49.25	123 6.30			168				
			18:00	EN		48 49.24	123 6.31							
	48		19:30	BE	34	48 51.64	123 03 14		204.					
			19:34	BO		48 51 58	123 03 10			200				
			19:37	EN		48 51 53	123 03 06							
27	49		20:09	BE	35	48 54 99	122 59 53		135					
			20:11	BO		48 54 96	122 59 50			130				
			20:13	EN		48 54 96	122 59 47							
	50	ROS	20:39	BE	36	48 57 77	122 56 16		25					
			20:40	BO		48 57 78	122 56 17			23				
			20:41	EN		48 57 78	122 56 17							

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	
2001		JUNE			VECTOR		2001-19					7			
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	44	ROS	21:35	BE	37	48 56.76	123 08.74		121						
			21:38	BO		48 56.73	123 05.71			118					
			21:40	EN		48 56.21	123 05.68								
-	45		22:05	BE	38	48 53.89	123 08.40		125						
			22:07	BO		48 53.87	123 08.39			122					
			22:09	EN		48 53.85	123 08.37								
	46		ROS	22:32	BE	39	48 51.37	123 10.80		180		121-133	13		
			22:36	BO		48 51.36	123 10.79			175					
			22:49	EN		48 51.36	123 10.86								
28	43		00:22	BE	40	49 0.23	123 30.22		193						touched muddy
			00:26	BO		49 0.26	123 30.33			189				bottom. *	
			00:29	EN		49 0.28	123 30.42								
	42		ROS	00:55	BE	41	49 1.80	123 26.30		322					
			1:06	BO		49 1.92	123 26.50			313					
			1:19	EN		49 1.92	123 26.84								
	41		1:45	BE	42	49 3.31	123 22.32		243		134-148	15			
			1:51	BO		49 3.34	123 22.42			235					
			1:56	EN		49 3.36	123 22.52								

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		
2001		June		Vector		2001-19				8				
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	37	ROS	2:57	BE	43	49 13.73	123 20.63		213					
			3:02	BO		49 13.80	123 20.54			210				
			3:06	EN		49 13.83	123 20.53							
	38		3:40	BE	44	49 12.06	123 26.34		309					
			3:46	BO		49 12.12	123 26.35			306				
			3:51	EN		49 12.19	123 26.32							
	39	ROS	4:30	BE	45	49 9.85	123 33.03		377		150-166	17		
			4:37	BO		49 9.93	123 32.99			368				
			4:58	EN		49 10.46	123 32.91							
	40		5:36	BE	46	49 8.68	123 36.86		142					
			5:40	BO		49 8.79	123 36.90			140				
			5:43	EN		49 8.86	123 36.91							
28	27	ROS	7:11	BE	47	49 19.11	123 47.93		347					
			7:19	BO		49 19.08	123 47.89			341	167-182	16		
				EN		49 19.09	123 47.77							
	24	ROS	9:31	BE	48	49 30.41	124 06.05		429					
			9:39	BO		49 30.46	124 06.01			424				
				EN		49 30.46	124 05.81							

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				
2001		JUNE		VECTOR		2001-19		9		9				
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	22	ROS	11:02	BE	49	49 40.20	124 16.35		357					
			11:09	BO		49 40.20	124 16.45			348				
			11:14	EN		49 40.20	124 16.47							
	20	ROS	12:33	BE	50	49 47.22	124 32.29		310					
			12:40	BO		49 47.23	124 32.28			295				
			12:44	EN		49 47.22	124 32.32							
28		CORE	16:30			boxcore #1	Satellite Channel							
28	18	ROS	17:50	BE	51	49 59.18	124 58.91		145					SOG 1
			17:54	BO		49 59.17	124 58.92			141				
			17:57	EN		49 59.17	124 58.93							
	17	ROS	18:26	BE	52	49 58.81	125 04.33		267					
			18:32	BO		49 58.82	125 04.39			261				
			18:36	EN		49 58.84	125 4.41							
	16	ROS	18:58	BE	53	49 57.67	125 8.93		150		183-193	11		
			19:02	BO		49 57.66	125 9.00			146				
			19:13	EN		49 57.66	125 9.19							

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				
2001		JUNE		VECTOR		2001-19		10						
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	15	ROS	2009	BE	54	49 51 50	125 01 58		123					→ depth for this station was supposed to be 143 m
			2012	BO		49 51 52	125 01 62			122				
			2014	EN		49 51 53	125 01 64							
28	14	ROS	2032	BE	55	49 52 99	124 59 55		315		194-209	16		
			2038	BO		49 52 97	124 59 56			310				
			2053	EN		49 53 07	124 59 81							
28	13	ROS	2122	BE	56	49 55 37	124 55 19		240					
			2127	BO		49 55 44	124 55 31			237				
			2131	EN		49 55 48	124 55 43							
28			2205	BE	box core station			11						
29	10	ROS	0113	BE	57	49 40.78	124 47.36		94					
			0115	BO		49 40.80	124 47.40			89				
			0117	EN		49 40.81	124 47.42							
	11	ROS	2:09	BE	58	49 42.45	124 43.36		303					
			2:14	BO		49 42.54	124 43.39			292				
			2:19	EN		49 42.60	124 43.45							

CAST TYPE -

BOT - bottle cast

ROS - rosette

LISW - long water haul

TIME CODE -

BE - beam trawl

BO - beam trawl

EN - environmental net

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		
2001			June			VECTOR			2001-19			11				
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	12	ROS	2:37	BE	59	49	43.73	124	40.68		360		210-226	17		
			2:45	BO		49	43.85	124	40.74			350				
			3:02	EN		49	44.05	124	40.92							
29	9	ROS	4:12	BE	61	49	34.79	124	38.10		164					60 doesn't have data
			4:16	BO		49	34.78	124	38.02			163				called "8" in helo
			4:18	EN		49	34.78	124	37.95							
29	8	ROS	5:09	BE	62	49	39.58	124	32.88		325		227-242	16		
			5:16	BO		49	39.65	124	32.88			312				
			5:32	EN		49	39.78	124	32.93							
29	7	ROS	6:28	BE	63	49	33.87	124	23.64		280					
			6:34	BO		49	33.92	124	23.56			305				
			6:39	EN		49	33.96	124	23.49							
29	6	ROS	7:15	BE	64	49	30.92	124	27.80		192		243-255	13		
			7:19	BO		49	30.52	124	27.81			187				
			7:34	EN		49	30.58	124	27.89							
	5	ROS	8:04	BE	65	49	27.39	124	30.81		317					
			8:11	BO		49	27.37	124	30.84			313				
			8:17	EN		49	27.36	124	30.85							

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				
2001		JUNE		VECTOR		2001-19		12						
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	4	ROS	9:02	BE	66	49 24.52	124 22.10		347					
		1	9:09	BO		49 24.53	124 22.14			343				
			9:14	EN		49 24.53	124 22.14							
	3		9:35	BE	67	49 26.59	124 20.17		324		256-271	16		
			9:42	BO		49 26.56	124 20.12			321				
			10:00	EN		49 26.48	124 20.01							
	2		10:50	BE	68	49 24.08	124 9.32		282		272-286	15		
			10:56	BO		49 24.07	124 9.30			278				
			11:08	EN		49 24.11	124 9.34							
	1		11:40	BE	69	49 20.28	124 12.15		245					
			11:46	BO		49 20.28	124 12.18			230				
			11:49	EN		49 20.28	124 12.20							
	26		13:24	BE	70	49 14.33	123 50.71		264					
			13:29	BO		49 14.32	123 50.68			258				
			13:33	EN		49 14.31	123 50.67							
29	28	ROS	14:44	BE	71	49 24.09	123 45.29		135					
			14:47	BO		49 24.11	123 45.32			129				
			14:49	EN		49 24.13	123 45.35							

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