

DAILY LOG

CRUISE
NUMBER

2000-17

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

July 17-22

VESSEL

Vector

PROJECT

SoG - J de F

Captain: Scott Doan **First Officer:** R. Slusark

Second Officer: _____

Third Officer: _____

Mission Participants / Agencies: OSAP / IOS

Scientific Personnel: Party Chief: Diane Masson

Name	Watch	Cabin	Name	Watch	Cabin
D. Masson	4-8	C.S.			
J. Lingua	12-4				
R. Chandler	12-4	L.S.			
P. Marin	8-12				
B. Minkley	8-12				
A. Agos	4-8	L.S.			

	Name	Watch	Cabin
Second leg of Mission:	Party Chief:		

[illegible]

Data logging computer:

Data acquisition program:

CTD deck unit make:	model:	serial number:
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Primary CTD

Make: Sea-Bird model: 911 plus serial number: 0550

Primary temperature sensor serial number: 2023 Calibration date:

Primary conductivity sensor serial number:	2173	Calibration date:
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Secondary temperature sensor serial number: 2371 Calibration date:

Secondary conductivity sensor serial number: 1766 Calibration date:

Other sensors: Transmissometer: WetLab s/n: 3330R

Other sensors: Seapoint fluorometer, Pumped s/n: 2228

Other sensors:

s/n: 2229

Other sensors: _____
s/n: _____

Secondary CTD

Make: Sea-bird
model: 911 plus
serial number: 0585

Primary temperature sensor serial number: 2663 Calibration date:

Primary conductivity sensor serial number:	2399	Calibration date:	2003
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Secondary temperature sensor serial number: 2665 Calibration date:

Secondary conductivity sensor serial number: 2424 Calibration date:

Other sensors:	s/n:

Other sensors: _____ s/n: _____

Other sensors:	s/n:

Comments: _____

July 17

Cast #3 - Depth Sounder indicated that CTD was at bottom at 180m. Therefore bottle casts were started at 180. Found out later that the sounder was in error. Decided to pick up 4 bottles at the deep depths from next station.

Cast #4 - Bottle #4 was jammed and did not close.

Thermometer N=18.977 B=-1.176

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Year 2000					Month July		Ship Vector					Cruise I.D. 2000-17				
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude		Longitude		Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
17/7	Saan. Inlet	CTD		BE	1					✓						Fluorometer air valve
				BO												
				EN												
	Saanich Inlet	CTD	17:28	BE	2	48 39.17	123 29.98	✓	173	166						wrong Coefficients
			17:38	BO		48 39.15	123 30.02									in con file
			17:41	EN		48 39.16	123 30.03									
	59	ROS	19:18	BE	3	48 37.80	123 14.38	✓	232			1-13	13			
				BO		48 37.75	123 14.19									
			19:42	EN		48 37.49	123 13.88									
	60	ROS	20:11	BE	4	48 33.62	123 12.86	✓	303	290	15-18	4				bottle #4 did not trip
			20:18	BO		48 33.49	123 12.77									(pinned with other end-caps)
				EN		48 33.49	123 12.66									
	61	CTD	21:04	BE	5	48 29.01	123 09.03	✓	278	271						
			21:10	BO		48 28.86	123 08.86									
				EN		48 28.82	123 08.78									
18/07	101	CTD	0536	BE	6	48 25.73	124 45.61	✓	265							updated con file
			0543	BO		48 25.87	124 45.91									40° wire angle
			0548	EN		48 25.78	124 46.06									

Cast type:

BOT = otter cast
CTD = CTD
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18	102	ROS	0622	BE	7.	48 30.08	124 44.13	✓	260.		19-33	15		
			0644	EN		48 30.37	124 44.42							
18	103	CTD	07:19	BE	8	48 33.02	124 43.15		121	115				
				BO		48 33.02	124 43.18							
				EN										
	76	CTD	08:37	BE	9	48 31.37	124 29.97		89	85				
			08:41	BO		48 31.33	124 29.96							
			08:43	EN		48 31.32	124 29.95							
	75	ROS	09:19	BE	10	48 28.14	124 32.94		272		34-47			
			09:24	BO		48 28.13	124 32.95							
				EN										
	74	CTD	10:10	BE	11	48 25.21	124 35.60		190					
			10:13	BO		48 25.23	124 35.60							
			10:17	EN		48 25.25	124 35.61							
	73	CTD	12:36	BE	12	48 14.91	124 6.77		161					
			12:41	BO		48 14.85	124 6.79			155				
			12:45	EN		48 14.80	124 6.80							

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#69 repositioned fluorometer to clean air bubbles better.

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18/07	72	ROS	13:23	BE	13	48	18.67	124	4.13		187		48-60	13			
			13:28	BO		48	18.64	124	4.22			181					
			13:41	EN		48	18.55	124	4.46								
	71	CTD	14:23	BE	14	48	22.23	123	59.50		110						
			14:26	BO		48	22.21	123	59.53			105					
			14:29	EN		48	22.18	123	59.58								
	70	CTD	15:50	BE	15	48	19.34	123	43 45		144						
			15:54	BO		48	19 40	123	43 51			130					
			15:57	EN		48	19 45	123	43 60								
	69	ROS	16:33	BE	16	48	15 65	123	43 61		179		61-72	12		.323 / .324	
			16:37	BO		48	15 65	123	43 92							cable diameter.	
			16:48	EN		48	15 76	123	44 39								
	68	CTD	17:27	BE	17	48	12 28	123	43 66		139	129					
			17:30	BO		48	12 29	123	43 87								
			17:32	EN		48	12 29	123	44 05								
	105	CTD	19:49	BE	18	48	11.00	123	19.16		83						
			19:51	BO		48	11.00	123	19.21								
			19:53	EN		48	11.00	123	19.25								

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18	ADCP	ROS	20:17	BE	19	48 14.04	123 18.14		118		73-82	10		
			20:19	BO		48 14.04	123 18.18							
			20:26	EN		48 14.03	123 18.23							
	104	CTD	21:09	NE	20	48 20.02	123 16.13		69	65				
			21:11	BO		48 20.03	123 16.14							
			21:12	EN		48 20.04	123 16.15							
	67	CTD	21:37	BE	21	48 22.81	123 17.95		104	100				
			21:39	BO		48 22.82	123 17.84							
			21:41	EN		48 22.84	123 17.76							
	66	CTD	22:10	BE	22	48 19.30	123 14.06		100	95				
			22:12	BO		48 19.31	123 14.04							
			22:14	EN		48 19.32	123 14.02							
	62	ROS	23:05	BE	23	48 22.87	123 2.40		145		83-93	11		
				BO		48 22.93	123 2.30			141				
			23:18	EN		48 23.07	123 2.06							
19/7	65	CTD	00:17	BE	24	48 15.84	123 9.76		125					
			00:20	BO		48 15.79	123 9.71			120				
			00:2	EN		48 15.78	123 9.67							

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19	64	CTD	00:50	BE	25	48	12.85	123	5.68		106					Hit the bottom even slightly! it is all Al's fault.
			00:53	BO		48	12.89	123	5.54			(94)				
			00:55	EN		48	12.92	123	5.47							
	63	CTD	1:26	BE	26	48	14.65	123	58.59		155					
			1:33	BO		48	14.70	123	58.61			146				
			1:37	EN		48	14.74	123	58.61							
	54	CTD	03:06	BE	27	48	26.67	122	44 17		79					
			03:10	BO		48	26.76	122	44 09			70				
			03:12	EN		48	26.79	122	44 05							
	53	CTD	03:46	BE	28	48	33.26	122	45 04		65					
			03:48	BO		48	33.27	122	45 05			60				
			03:50	EN		48	33.28	122	45 06							
	52	CTD	04:27	BE	29	48	38.85	122	43 47		96					
			04:29	BO		48	38.80	122	43 49			80				
			04:31	EN		48	38.78	122	43 50							
	51	CTD	05:41	BE	30	48	46.64	122	51 55		160					
			05:44	BO		48	46.62	122	51 55			150				
			05:47	EN		48	46.61	122	51 55							

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Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude		Longitude		Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
19	58	ROS	07:38	BE	31	48	42.98	123	14.33		331		94-97	4		Salinity samples
			07:45	BO		48	42.91	123	14.39			325				
			07:55	EN		48	42.78	123	14.44							
	57	CTD	08:45	BE	32	48	43.9	123	08.07		162					
			08:49	BO		48	43.88	123	08.10			160				
			08:52	EN		48	43.85	123	08.12							
	56	ROS	10:04	BE	33	48	46.44	123	01.48		212		94-107	14		
			10:08	BO		48	46.47	123	01.33			215				
			10:21	EN		48	46.49	123	01.15							
	47	CTD	11:22	BE	34	48		123			184					
			11:25	BO		48	49.22	123	6.16			180				
			11:29	EN		48	49.25	123	6.13							
	48	CTD	12:00	BE	35	48	51.72	123	3.32		225					
			12:06	BO		48	51.74	123	3.38			220				
			12:10	EN		48	51.74	123	3.43							
	49	CTD	12:46	BE	36	48	54.99	123	59.49		130					
			12:49	BO		48	54.99	123	59.50			129				
			12:51	EN		48	54.98	123	59.49							

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19	50	CTD	13:18	BE	37	48	57.80	122	56.09		26					
			13:20	BO		48	57.82	122	56.10			22.5				
			13:21	EN		48	57.83	122	56.11							
	44	CTD	14:11	BE	38	48	56.82	123	5.95		120					
			14:14	BO		48	56.83	123	5.96			110				
			14:16	EN		48	56.85	123	6.00							
	45	CTD	14:43	BE	39	48	56.81	123	8.35		128					
			14:47	BO		48	56.82	123	8.35			123				
			14:50	EN		48	56.84	123	8.35							
	46	ROS	15:13	BE	40	48	51 34	123	10 72		181		108-119	12		
			15:17	BO		48	51 31	123	10 66			171				
			15:29	EN		48	51 20	123	10 55							
	43	CTD	17:05	BE	41	49	00 27	123	30 15		202					
			17:11	BO		49	00 30	123	30 12			198				
			17:15	EN		49	00 32	123	30 09							
	42	ROS	17:37	BE	42	49	01 78	123	26 23		322		120-135	16		
			17:44	BO		49	01 75	123	26 20			313				
			18:00	EN		49	01 75	123	26 31							

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19	41	CTD	18:26	BE	43	49 03 28	123 22 40		246						
			18:32	BO		49 03 27	123 22 53			240					
			18:37	EN		49 03 24	123 22 63								
	41	CTD	1841	BE	44	49 03.27	123 22 81							fluorometer air valve cast	
				BO										on deck.	
				EN											
	37	CTD	19:45	BE	45	49 13.57	123 20.73		214						
			19:49	BO		49 13.62	123 20.66			205					
			19:53	EN		49 13.65	123 20.58								
	38	CTD	20:27	BE	46	49 12.01	123 26.26		307						
			20:33	BO		49 12.05	123 26.14			300					
			20:39	EN		49 12.09	123 26.06								
	39	ROS	21:18	BE	47	49 09.83	123 32.95		376		136-152	17		Salinities	
				BO		49 09.89	123 32.96			362					
			21:42	EN		49 10.08	123 33.04								
	40	CTD	22:07	BE	48	49 08.64	123 36.78		143						
			22:09	BO		49 08.67	123 36.80			129					
			22:12	EN		49 08.70	123 36.83								

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19	26	CTD	23:14	BE	49	49 14.34	123 51.11		246					
			23:19	BO		49 14.35	123 51.22			231				
			23:24	EN		49 14.37	123 51.29							
20	27	ROS	00:00	BE	50	49 19.16	123 47.90		347		153-168	16		* get rid of 50. data
			00:08	BO		49 19.27	123 47.81			345				
			00:29	EN		49 19.47	123 47.62							
20	28	CTD	01:07	BE	51	49 24.13	123 45.42		133					
			01:10	BO		49 24.16	123 45.46			127				
			01:12	EN		49 24.18	123 45.49							
	24	CTD	01:35	BE	52	49 30.33	124 06.06		428					
			01:42	BO		49 30.58	124 06.18			425				
			01:49	EN		49 30.69	124 06.25							
	25	CTD	03:15	BE	53	49 27.67	124 07.52		302					
			03:21	BO		49 27.70	124 07.53			295				
			03:26	EN		49 27.74	124 07.55							
	02	ROS	03:55	BE	54	49 24.15	124 09.25		282		169 → 183	15		
			04:00	BO		49 24.16	124 09.23			273				
			04:15	EN		49 24.11	124 09.19							

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20	01	CTD	04:46	BE	55	49	20 30	124	12 07		250					
			04:50	BO		49	20 29	124	12 09			240				
			04:55	EN		49	20 27	124	12 10							
	03	ROS	05:45	BE	56	49	26 56	124	20 13		327		184 → 199	16		
			05:52	BO		49	26 59	124	20 14			320				
			06:08	EN		49	26 72	124	20 32							
	04	CTD	06:29	BE	57	49	24 49	124	22 07		347					
			06:36	BO		49	24 42	124	22 09			335				
			06:41	EN		49	24 37	124	22 11							
	05	CTD	07:26	BE	58	49	27.32	124	30.79		315					
			07:33	BO		49	27.31	124	30.84			310				
			07:39	EN		49	27.29	124	30.90							
	06	ROS	08:08	BE	59	49	30.58	124	27.79		191		200 - 212	13		
			08:11	BO		49	30.60	124	27.78			190				
			08:23	EN		49	30.64	124	27.89							
	07	CTD	08:58	BE	60	49	34.39	124	24.19		353					
			09:08	BO		49	34.49	124	24.29			350				
			09:16	EN		49	34.57	124	24.36							

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20	08	CTD	10:02	BE	61	49	39.29	124	33.00		338					
			10:08	BO		49	39.31	124	33.02			333				
			10:15	EN		49	39.36	124	33.06							
	09	ROS	10:56	DE	62	49	35.50	124	38.35		167		213-224	12		
			11:01	BO		49	35.52	124	38.32			161				
			11:14	EN		49	35.67	124	38.27							
	10	CTD	12:17	BE	63	49	40.67	124	47.32		91					
			12:20	BO		49	40.67	124	47.33			86				
			12:22	EN		49	40.67	124	47.34							
	11	CTD	12:48	BE	64	49	42.38	124	43.35		303					
			12:55	BO		49	42.34	124	43.30			294				
			13:00	EN		49	42.30	124	43.28							
	12	ROS	13:20	DE	65	49	43.59	124	40.77		356		225-240	16		* pump turned on
			13:27	BO		49	43.62	124	40.74			350				at ≈ 9 m. depth *
			13:43	EN		49	43.71	124	40.62							
	13	CTD	15:12	BE	66	49	55.30	124	55.24		240					
			15:16	BO		49	55.35	124	55.33			227				
			15:21	EN		49	55.37	124	55.38							

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MOR = mooring

ROS = Rosette
NET = net haul
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast
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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month JULY			Ship VECTOR				Cruise I.D. 2000-17				
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude		Longitude		Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
20	14	ROS	15:47	BE	67	49	52.99	124	59.60		318		241 → 256	16		
			15:53	BO		49	52.97	124	59.65			308				
			16:11	EN		49	52.95	124	59.83							
	15	CTD	16:31	BE	68	49	51.67	125	01.63		131					
			16:34	BO		49	51.70	125	01.65			124				
			16:37	EN		49	51.72	125	01.67							
	16	ROS	17:20	BE	69	49	57.71	125	08.76		158		257 → 267	11		
			17:27	BO		49	57.73	125	08.75			143				
			17:37	EN		49	57.78	125	08.71							
	17	CTD	18:02	BE	70	49	58.79	125	04.38		269					
			18:07	BO		49	58.81	125	04.36			260				
			18:13	EN		49	58.82	125	04.39							
	18	CTD	18:40	BE	71	49	59.21	124	58.89		146					
			18:43	BO		49	59.23	124	58.88			140				
			18:46	EN		49	59.26	124	58.88							
	19	CTD	19:28	BE	72	50	1.20	124	52.92		277					
			19:33	BO		50	1.24	124	52.91			271				
			19:38	EN		50	1.28	124	52.91							

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Year 2000					Month July	Ship Vector							Cruise I.D. 2000-17			
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude		Longitude		Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
20	20	CTD	21:41	BE	73	49	47.20	124	32.33		310					
			21:47	BO		49	47.24	124	32.42			309				
			21:53	EW		49	47.26	124	32.53							
	22	CTD	23:15	BE	74	49	40.25	124	16.38		353					
			23:22	BO		49	40.32	124	16.49							Bernard:
			23:28	EW		49	40.40	124	16.57							*problem writing on ZIP drive
21	TM1A	CTD	06:15	BE	75	49	00.37	123	27.52		234					
			06:20	BO		49	00.34	123	27.51			227				
			06:24	EW		49	00.31	123	27.48							
	TM2A	CTD	06:38	BE	76	49	00.85	123	25.68		317					
			06:43	BO		49	00.87	123	25.57			309				
			06:48	EW		49	00.86	123	25.50							
	TM3A	CTD	07:04	BE	77	49	01.23	123	24.44		286					
			07:09	BO		49	01.15	123	24.43			285				
			07:15	EW		49	01.08	123	24.39							
	TM4A	CTD	07:38	BE	78	49	01.62	123	22.97		252					
			07:43	BO		49	01.57	123	23.00			250				
			07:48	EW		49	01.51	123	23.03							

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[illegible]

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