

DAILY LOG

CRUISE
NUMBER

2000-27

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

Aug 28 - Sept 2

VESSEL

Vector

PROJECT

SoG

Captain: Scott Dea First Officer: _____

Second Officer: _____

Third Officer: _____

Mission Participants / Agencies: IOS / OSAP

Scientific Personnel:

[illegible]

Second leg of Mission: Party Chief: _____

[illegible]

Data logging computer:

Data acquisition program:

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

Primary CTD

YCID
Make: Sea Bird model: 911 serial number: 0550
Primary temperature sensor serial number: 2023 Calibration date: 7 Dec 99
Primary conductivity sensor serial number: 2173 Calibration date: 2 May 00
Secondary temperature sensor serial number: 2371 Calibration date: 16 June 99
Secondary conductivity sensor serial number: 1766 Calibration date: 28 Dec 99
Other sensors: Seapoint fluorometer pumped s/n: 2228 15 Aug 12
Other sensors: transmissometer wettable s/n: 333DR
Other sensors: Seapoint fluorometer unpumped s/n: 2229 15 Aug 12
Other sensors: s/n:

Secondary CTD

Make: _____ model: _____ serial number: 0585

Primary temperature sensor serial number: _____ Calibration date: _____

Primary conductivity sensor serial number: _____ Calibration date: _____

Secondary temperature sensor serial number: _____ Calibration date: _____

Secondary conductivity sensor serial number: _____ Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Comments: _____

#1 hwords = 10

nfreqs = 5

nroot-words = 4

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month August			Ship Vector				Cruise I.D. 2000-27		
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
28	51	ROS	20:58	BE	1	48° 39.09 N	123° 30.41' W	X	190	177.6	1-2	2		
			21:03	BO	1	48 39.08	123° 30.47							
			21:08	EN	1	48 39.07	123° 30.54							
28	59	ROS	22:51	BE	2	48 37.68	123 14.53	X	234		3-15	13		Large wire angle
			23:00	BO	2	48 37.24	123 14.57			222				Bottle #4 did not close
			23:27	EN	2	48 37.98	123 14.76							
29	60	CTD	00:04	BE	3	48 33.96	123 12.92	X	295					
			00:11	BO		48 34.12	123 13.08			283				
			00:16	EN		48 34.31	123 13.14							
	61	CTD	11:06	BE	4	48 29.28	123 9.33		280					
			11:12	BO		48 29.39	123 9.44			273				
			11:17	EN		48 29.50	123 9.59							
29	101	CTD	8:55	BE	5	48 25.49	124 45.08		240					
			8:59	BO		48 25.46	124 45.05			237				
			9:03	EN		48 25.44	124 45.03							
29	102	ROS	10:16	BE	6	48 30.07	124 44.13	X	257		16-30	15		problem with software
			10:21	BO		48 30.08	124 44.21			249				redo station
			10:48	EN										using old DOS program

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

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Year					Month			Ship				Cruise I.D.			
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	
29	1028	ROS	11:17	BE	7	48 30.01	124 44.16		256						
			11:23	BO		48 30.00	124 44.22			241					
			11:37	EN		48 30.02	124 44.48								
29	103	CTD	12:28	BE	8	48 32.96	124 43.09		121					* wrong name	
			12:31	BO		48 32.97	124 43.12			106				on file	
			12:33	EN		48 32.96	124 43.16							103 instead of 103	
29	76	CTD	13:59	BE	9	48 31.41	124 30.27		88					* wrong station	
			14:02	BO		48 31.42	124 30.33			78				name in the file	
			14:03	EN		48 31.43	124 30.37							(74 instead of 76)	
29	75	ROS	14:33	BE	10	48 28.24	124 32.83	✓	221		31-43	13			
			14:57	BO		48 28.29	124 32.92			209					
			14:50	EN		48 28.48	124 33.08								
29	74	CTD	15:23	BE	11	48 25.11	124 35.82		182						
			15:28	BO		48 25.11	124 35.93			171					
			15:31	EN		48 25.10	124 36.06								
	73	CTD	18:05	BE	12	48 14.95	124 06.58		161						
			18:09	BO		48 14.94	124 06.56			156					
				EN		48	124								

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Year 2000					Month August			Ship Vector			Cruise I.D. 2000-27			
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
29	72	ROS	18:46	BE	13	48 18.55	124 3.9.		186			13		No bottles -
			18:50	BO	14	48 18.52	124 3.8							
				EN	1	48	124							
	72		19:08		14									No data
29	72	ROS	19:34	BE	15	48 18.54	124 03.82	✓	186					Repeat of str. 72
			19:35	BO		48 18.45	124 03.61			178	44-56	13		
			19:48	EN		48 18.28	124 03.36							
29	71	CTD	20:31	BE	16	48 22.10	123 59.35		109					
			20:34	BO		48 22.13	123 59.29			101.2				
			20:36	EN		48 22.11	123 59.16							
29	70	CTD	21:46	BE	17	48 19.09	123 42.54		153					
			21:50	BO		48 19.03	123 42.29			150.5				
			21:52	EN		48 18.98	123 42.09							
29	69	ROS	22:22	BE	18	48 15.61	123 42.83	✓	170		57-67	11		
			22:26	BO		48 15.65	123 42.57			174				
			22:38	EN		48 15.67	123 41.93							stopped at 74db on upcast
	69	ROS	22:39	BE	19	48 15.67	123 41.76	✓						continuation of upcast
			22:46	EN		48 15.68	123 41.66							

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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
29	68	CTD	23:20	BE	20	48 12.14	123 42.92		137					
			23:23	BO		48 12.11	123 42.83			127				
			23:26	EN		48 12.09	123 42.76							
30	105	CTD	00:56	BE	21	48 11.01	123 18.75		84					
			00:59	BO		48 11.02	123 18.68			77				
			01:00	EN		48 11.03	123 18.62							
	ADCP	ROS	01:26	BE	22	48 14.00	123 17.83	✓	119		68-77	10		* 4 did not trigger
			1:28	BO		48 13.97	123 17.77			110				
			1:37	EN		48 13.90	123 17.61							
	104	CTD	2:19	BE	23	48 20.03	123 15.98		68					
			2:21	BO		48 20.03	123 15.99			63				
			2:22	EN		48 20.03	123 15.99							
	67	CTD	2:51	BE	24	48 22.60	123 18.15		109					
			2:53	BO		48 22.55	123 18.19			110				
				EN		48	123							
	66	CTD	3:28	BE	25	48 19.28	123 14.23		100					
			3:30	BO		48 19.26	123 14.35			99				
			3:32	EN		48 19.25	123 14.46							

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30	62	ROS	05:09	BE	26	48	22.77	123	02.53	✓	147		78-88	11		
			05:13	BO		48	22.72	123	02.46							
			05:28	EN		48	22.44	123	02.47							
	65	CTD	06:39	BE	27	48	15.90	123	09.91		125					
			06:42	BO		48	15.92	123	09.97			127				
			06:44	EN		48	15.92	123	10.01							
	64	CTD	07:30	BE	28	48	12.84	123	5.82		109					wrong file name entered
			07:37	BO		48	12.82	123	5.80			106.7				-file name corrected but may need fixing in headings.
			07:34	EN		48	12.81	123	5.83							
	63	CTD	08:20	BE	29	48	14.65	122	58.45		150					
			08:23	BO		48	14.67	122	58.46			150.8				
			08:26	EN		48	14.70	122	58.51							
	54	CTD	11:04	BE	30	48	26.63	122	44.25		77					*went down 10m.
			11:07	BO		48	26.61	122	44.29			71				without pump on
			11:08	EN		48	26.61	122	44.31							started from top again
	53	CTD	11:56	BE	31	48	33.25	122	44.95		59					
			11:57	BO		48	33.26	122	44.98			51				
			11:59	EN		48	33.27	122	45.00							

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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
30	52	CTD	12:40	BE	32	48	38.94	122	43.30		86					
			12:42	BO		48	38.96	122	43.30			81				
			12:43	EN		48	38.98	122	43.29							
	51	CTD	13:57	BE	33	48	46.65	122	51.43		156					
			14:00	BO		48	46.64	122	51.41			150				
			14:03	EN		48	46.65	122	51.42							
	56	ROS	14:52	BE	34	48	46.13	123	01.68	✓	228		89-102	14		
			14:57	BO		48	45.87	123	01.83			212				
			15:23	EN		48	44.98	123	02.79							
	57	CTD	15:53	BE	35	48	43.97	123	08.32		163					
			15:57	BO		48	43.95	123	08.56			161				
			16:01	EN		48	43.92	123	08.73							
	58	CTD	16:23	BE	36	48	43.05	123	14.42		341					
			16:30	BO		48	43.02	123	14.71			318				
			16:35	EN		48	43.03	123	15.00							
	47	CTD	18:30	BE	37	48	49.30	123	06.15		182					
			18:34	BO		48	49.28	123	6.10			181.9				
			18:37	EN		48	49.27	123	6.02							

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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	
30	48	CTD	19:13	BE	38	48 51.75	123 3.12		226.						
			19:17	BO		48 51.76	123 3.02			224					
			19:21	EN		48 51.77	123 2.92								
	49	CTD	19:47	BE	39	48 55.01	122 59.55		128						
			19:50	BO		48 55.03	122 59.52			125					
			19:52	EN		48 55.05	122 59.49								
	50	CTD	20:16	BE	40	48 57.72	122 56.03		23					Not saved.	
			20:17	BO		48 57.72	122 56.01			21.8					
			20:18	EN		48 57.7	122 56.01								
	44	CTD	21:07	BE	41	48 56.83	123 5.99		118					Not saved.	
			21:09	BO		48 56.85	123 5.97			119.3					
			21:11	EN		48 56.85	123 5.97								
	45	CTD	21:39	BE	42	48 54.00	123 8.40		125						
			21:42	BO		48 54.04	123 8.36			124.9					
			21:45	EN		48 54.06	123 8.34								
	46	ROS	22:09	BE	43	48 51.47	123 10.9	✓	175		103-115	13			
			22:13	BO		48 51.52	123 10.93			172					
			22:28	EN		48 51.73	123 11.20								

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2000					Month				Ship				Cruise I.D.				
Year	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
	30	43	CTD	23:54	DE	44	49	0.23	123	30.15		196					
				23:58	BO		49	0.25	123	30.18			186				
				0:01	EN		49	0.27	123	30.19							
	31	42	ROS	0:24	BE	45	49	1.81	123	26.22	✓	322		116-131	16		
				0:30	BO		49	1.78	123	26.29			310				
				0:45	EN		49	1.79	123	26.48							
		41	CTD	1:14	BE	46	49	3.34	123	22.28		239					
				1:18	BO		49	3.36	123	22.29			231				
				1:22	EN		49	3.37	123	22.31							
		37	CTD	2:25	BE	47	49	13.62	123	20.68		215					
				2:29	BO		49	13.63	123	20.61			206				
				2:34	EN		49	13.64	123	20.53							
		38	CTD	03:09	BE	48	49	11.92	123	26.17		300					
				03:15	BO		49	11.88	123	25.94							
				03:20	EN		49	11.85	123	25.43							
		39	ROS	03:57	BE	49	49	09.78	123	32.97	✓	378		132-148	17		
				04:05	BO		49	09.80	123	32.95			374				
				04:29	EN		49	09.90	123	32.83							

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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
31	40	CTD	04:58	BE	50	49 08.54	123 36.77		156					
			05:02	BO		49 08.51	123 36.81			146				
			05:05	EN		49 08.49	123 36.84							
	26	CTD	06:44	BE	51	49 14.29	123 50.81		246					
			06:49	BO		49 14.23	123 50.77			242				
			06:53	EN		49 14.15	123 50.65							
	27	ROS	07:47	BE	52	49 19.09	123 47.94	✓	346		149-164	16		
			07:54	BO		49 19.04	123 47.75			340				
			08:13	EN		49 18.83	123 47.30							
	28	CTD	09:01	BE	53	49 24.06	123 45.21		133					
			09:04	BO		49 24.05	123 45.10			132				
			09:07	EN		49 24.03	123 45.02							
	24	CTD	10:51	BE	54	49 30.29	124 6.01			427				
			10:58	BO		49 30.27	124 6.01				420			
			11:05	EN		49 30.25	124 6.04							
	25	CTD	11:35	BE	55	49 27.67	124 7.47			293				
			11:42	BO		49 27.62	124 7.32				287			
			11:47	EN		49 27.52	124 7.21							

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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
31	2	RDS	12:21	BE	56	49	24.07	124	9.26	✓	272		165-179	15		
			12:26	BO		49	24.02	124	9.20			265				
			12:39	EN		49	23.96	124	9.11							
	1	CTD	13:07	BE	57	49	20.27	124	12.08		246					
			13:12	BO		49	20.24	124	11.99			237				
			13:16	EN		49	20.20	124	11.86							
	4	CTD	14:09	BE	58	49	24.48	124	22.06		346					
			14:16	BO		49	24.40	124	21.97			338				
			14:22	EN		49	24.35	124	21.89							
	3	RDS	14:43	BE	59	49	26.58	124	20.10	✓	323		180-195	16		
			14:49	BO		49	26.57	124	19.90			315				
			15:05	EN		49	26.55	124	19.37							
	5	CTD	15:58	BE	60	49	27.38	124	30.86		315					
			16:03	BO		49	27.39	124	30.84			315				
			16:09	EN		49	27.39	124	30.87							
	6	RDS	16:36	BE	61	49	30.61	124	27.83		191		196-208	13		
			16:39	BO		49	30.61	124	27.86			188				
			16:52	EN		49	30.55	124	27.96							

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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
31	07	CTD	17:36	BE	62	49 34.44	124 24.18		352					
			17:42	BO		49 34.38	124 24.12			342				
			17:48	EN		49 34.36	124 24.17							
	08	CTD	18:45	BE	63	49 39.28	124 32.97		336					
			18:52	BO		49 39.29	124 33.06			333				
			18:58	EN		49 39.28	124 33.15							
	09	ROS	19:32	BE	64	49 35.56	124 38.37	✓	166		209-220	12		
			19:38	BO		49 35.65	124 38.41			167				
			19:50	EN		49 35.89	124 38.61							
	10	CTD	20:45	BE	65	49 40.90	124 47.21		95					ran pumps 5 min at surface to clear
			20:47	BO		49 40.93	124 47.18			103				mud - no salinities done for last cast so no problem.
			20:49	EN		49 40.94	124 47.15							
	11	CTD	21:09	BE	66	49 42.46	124 43.44		300					
			21:15	BO		49 42.56	124 43.41			301.9				
			21:20	EN		49 42.63	124 43.40							
	12	ROS	21:43	BE	67	49 43.55	124 40.74	✓	354		221-236	16		
			21:51	BO		49 43.46	124 40.65			346				
			22:15	EN		49 43.43	124 40.63							

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USW = sea water loop

Time Code

BE = beginning time of cast
BO = bottom time of cast
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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year					Month					Ship					Cruise I.D.		
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	
31.	13	CTD	23:41	BE	68	49	55.32	124	55.26		239						
			23:46	BO		49	55.31	124	55.25			231					
			23:51	EN		49	55.28	124	55.23								
1	14	ROS	0:18	BE	69	49	53.05	124	59.55	✓	315		237-252	16			
			0:24	BO		49	53.06	124	59.58			308					
			0:37	EN		49	53.14	124	59.55								
	15	CTD	1:04	BE	70	49	51.76	125	1.54		140						
			1:06	BO		49	51.76	125	1.55			132					
			1:11	EN		49	51.75	125	1.57								
	16	ROS	2:02	BE	71	49	57.68	125	8.81	✓	156		253-263	11			
			2:05	BO		49	57.68	125	8.84			148					
			2:12	EN		49	57.67	125	8.98								
	17	CTD	2:36	BE	72	49	58.81	125	4.28		265						
			2:41	BO		49	58.78	125	4.21			259					
			2:46	EN		49	58.78	125	4.24								
	18	CTD	03:10	BE	73	49	59.21	124	58.87		145						
				BO		49	59.21	124	58.84			139					
			03:15	EN		49	59.22	124	58.80								
Cast type: BOT = otter cast ROS = Rosette USW = sea water loop Time Code BE = beginning time of cast																	

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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month September				Ship Vector				Cruise I.D. 2000-27			
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
1	19	CTD	03:44	BE	74	50	1.20	124	52.84		275					
			03:49	BO		50	1.22	124	52.84			268				
			03:54	EN		50	1.23	124	52.86							
	20	CTD	05:51	BE	75	49	47.14	124	32.28		317					
			05:57	BO		49	47.08	124	32.28			312				
			06:03	EN		49	47.04	124	32.26							
	22	CTD	07:24	BE	76	49	40.15	124	16.31		355					
			07:29	BO		49	40.13	124	16.27			351				
			07:35	EN		49	40.06	124	16.21							
	TM4	CTD	12:34	BE	77	49	1.71	123	22.89		249					
			12:38	BO		49	1.70	123	22.86			241				
			12:45	EN		49	1.70	123	22.83							
	TM3	CTD	13:04	BE	78	49	1.34	123	24.40		287					
			13:09	BO		49	1.34	123	24.49			280				
			13:15	EN		49	1.33	123	24.55							
	TM2	CTD	13:26	BE	79	49	0.84	123	25.69		314					
			13:32	BO		49	0.84	123	25.73			307				
			13:39	EN		49	0.86	123	25.75							

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