

DAILY LOG

CRUISE
NUMBER

2001-32

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

17-22 Sept 2001

VESSEL

VECTOR

PROJECT

JdeF - SOG

0102 C1
g -1.04364538E1
h 1.53480238E0
L -8.22122354E-4
j 2.06645359E-4

0399 C0
-1.08349630E1
1.61822262E0
2.28448368E-4
7.38052301E-5

Marlana

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2001					Month September			Ship VECTOR			Cruise I.D. 2001-32			
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
18	51	ROS	12:50	BE	1	48 38.81	123 29.94		182		1-4	4		
			12:51	BO		48 38.81	123 30.06			172				
			1:06	EN		48 38.82	123 30.13							
18	59	ROS	2:45	BE	2	48 37.85	123 14.59		240	238	5-18	14		
			2:53	BO		48 37.92	123 14.44							
			3:00	EN		48 38.01	123 14.30							
	60	CTD	3:36	BE	3	48 33.94	123 12.75		287					
			3:42	BO		48 33.88	123 12.78			282				
			3:49	EN		48 33.77	123 12.66							
	61	CTD	4:25	BE	4	48 29.09	123 9.30		287					
			4:31	BO		48 28.94	123 9.30			263				
			4:38	EN		48 28.80	123 9.35							
18	103	CTD	12:12	BE	5	48 32.97	124 42.97		124	120				very calm sea
			12:15	BO		48 32.95	124 42.95							low swell
			12:19	EN		48 42.91	124 42.90		1					
18	102	ROS	13:03	BE	6	48 30.01	124 44.08		250	248	19-33	15		
			13:08	BO		48 30.03	124 44.04							
			13:21	EN		48 30.07	124 43.95							

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

ROS = Rosette
NET = net haul
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast
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DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2001					Month Sep			Ship Vector				Cruise I.D. 2001-22		
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
18	101	CTD	14:30	BE	7	48 25.45	124 45.28		240	223				
			14:36	BO		48 45.33	124 45.33							
			14:40	EN		48 25.45	124 45.32							
	74	CTD	15:48	BE	8	48 25.16	124 35.73		188					
				BO		48 25.26	124 35.82			177				
			15:54	EN		48 25.31	124 35.83							
	75	ROS	16:25	BE	9	48 28.22	124 32.85		224		33-46	14		
			16:31	BO		48 28.24	124 32.84			217				
			16:46	EN		48 28.35	124 32.59							
	76	CTD	17:15	BE	10	48 31.48	124 30.07		81					
			17:18	BO		48 31.48	124 30.09			81				hit the bottom
			17:20	EN		48 31.49	124 30.11							
	71	CTD	20:37	BE	11	48 22.12	123 59.32		x110					
			20:40	BO		48 22.09	123 59.23			102				
			20:42	EN		48 22.07	123 59.16							
	72	ROS	21:33	BE	12	48 18.49	124 03.76		189		47-59	13		
			21:37	BO		48 18.42	124 03.66			188				strong wind
			21:53	EN		48 18.15	124 3.28							choppy sea

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Year 2001					Month Sep			Ship Vector			Cruise I.D. 2001-32			
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
18	73	CTD	22:27	BE	13	48 14.99	124 06.61		162					
			22:31	BO		48 14.95	124 06.57			160				
			22:34	EN		48 14.93	124 06.37							
19	68	CTD	00:07	BE	14	48	123		146					
			00:10	BO		48 12.26	123 42.63			137				
			00:12	EN		48 12.24	123 42.50							
19	69	ROS	00:42	BE	15	48 15.53	123 43.19		176	170	60-71	12		
			00:45	BO		48 15.51	123 43.10							
			00:53	EN		48 15.52	123 43.10							
19	70	CTD	1:23	BE	16	48 19.27	123 43.26		148	140				
			1:26	BO		48 19.30	123 43.29							
			1:29	EN		48 19.32	123 43.31							
19	105	CTD	3:34	BE	17	48 10.98	123 19.46		88					
			3:37	BO		48 10.97	123 19.62			83				
			3:40	EN		48 10.95	123 19.75							
	ADCP	ROS	4:22	BE	18	48 13.94	123 18.33		117					
			4:26	BO		48 13.84	123 18.53			111				
			4:33	EN		48 13.65	123 18.96							

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INSTITUTE OF OCEAN SCIENCES

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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	104	CTD	5:33	BE	19	48	19.95	123	16.49		71					
			5:35	BO		48	19.92	123	16.65			68				
			5:37	EN		48	19.90	123	16.73							
	67	CTD	6:04	BE	20	48	22.84	123	18.11		105					
			6:08	BO		48	22.86	123	18.11			101				
			6:10	EN		48	22.86	123	18.10							
	66	CTD	6:54	BE	21	48	19.22	123	14.59		103					
			6:57	BO		48	19.17	123	14.69			97				
			07:10	EN		48	19.13	123	14.84							
	65	ROS	07:40	BE	22	48	15.89	123	10.04		125		82-91	10.		
			07:43	BO		48	15.83	123	10.06			119				
			07:57	EN		48	15.59	123	10.12							
	64	CTD	8:38	BE	23	48	12.86	123	5.94		114					
			8:41	BO		48	12.89	123	5.84			101				
			8:43	EN		48	12.91	123	5.75							
	63	CTD	9:25	BE	24	48	14.58	122	58.46		150					
			9:29	BO		48	14.51	122	58.45			148				
			9:33	EN		48	14.49	122	58.56							

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Ocean Sciences and Productivity Division															INSTITUTE OF OCEAN SCIENCES			
Year	2001				Month	SEPTEMBER		Ship		VECTOR		Cruise I.D. 2001-32						
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	62	ROS	10:41	BE	25	48	22.80	123	2.56		147		93-103	11				
			10:46	BO		48	22.79	123	2.64			135						
			10:59	EN		48	22.79	123	2.65									
19	54	CTD	12:32	BE	26	48	26.72	122	44.35		78							
			12:34	BO		48	26.73	122	44.33			76						
			12:36	EN		48	26.74	122	44.32									
19	53	CTD	13:16	BE	27	48	33.21	122	44.96		58							
			13:18	BO		48	33.21	122	44.95			59						
			13:19	EN		48	33.22	122	44.95									
19	52	CTD	14:06	BE	28	48	40.75	122	42.06		81							
			14:08	BO		48	40.77	122	42.06			80						
			14:09	EN		48	40.78	122	42.05									
19	51	CTD	15:11	BE	29	48	46.65	122	51.44		161							
			15:15	BO		48	46.65	122	51.37			154						
			15:18	EN		48	46.66	122	51.33									
19	56	CTD	16:28	BE	30	48	46.39	123	1.85		203		104-118	15				
			16:33	BO		48	46.44	123	1.89			187						
			16:48	EN		48	46.54	123	1.80									

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Year	2001				Month	September		Ship	VECTOR				Cruise I.D.			2001-32	
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	47	CTD	17:41	BE	31	48	49.21	123	6.24		183					sunny, calm.	
			17:46	BO		48	49.14	123	6.27			177					
			17:51	EN		48	49.07	123	6.25								
	48	CTD	18:21	BE	32	48	51.69	123	3.16		229						
			18:27	BO		48	51.66	123	3.19			218					
			18:32	EN		48	51.66	123	3.25								
	49	CTD	19:05	BE	33	48	54.88	122	59.54		133						
			19:09	BO		48	54.85	122	59.46			130					
			19:11	EN		48	54.84	122	59.42								
	50	CTD	19:42	BE	34	48	57.68	122	56.02		26.						
			19:44	BO		48	57.69	122	55.99.			25					
			19:44	EN		48	57.69	122	55.98								
	44	CTD	20:37	BE	35	48	56.78	123	05.98		117						
			20:40	BO		48	56.76	123	05.99			116					
			20:42	EN		48	56.75	123	05.99								
	45	CTD	21:15	BE	36	48	53.92	123	08.42		125						
			21:18	BO		48	53.94	123	08.43			124					
			21:20	EN		48	53.97	123	08.44								

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Year 2001					Month SEPTEMBER				Ship VECTOR				Cruise I.D. 2001-32			
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	46	ROS	21:43	BE	37	48	51.45	123	10.80		174		118-130	13		
			21:47	BO		48	51.48	123	10.87			170				
			22:01	EN		48	51.63	123	11.06							
19	43	CTD	23:31	BE	38	49	0.09	123	30.17		187					
			23:35	BO		49	0.10	123	30.26			180				
			23:38	EN		49	0.12	123	30.31							
20	42	ROS	00:05	BE	39	49	1.81	123	26.32		321	21	131-146	16		
			00:11	BO		49	1.82	123	26.38			318				
			00:21	EN		49	1.88	123	26.46							
20	41	CTD	00:47	BE	40	49	03.25	123	22.40		245					
			00:52	BO		49	03.26	123	22.49			244				
			00:59	EN		49	03.27	123	22.54							
20	37	CTD	2:12	BE	41	49	13.51	123	20.64		213					
			2:18	BO		49	13.47	123	20.63			210				
			2:24	EN		49	13.42	123	20.63							
20	38	CTD	2:54	BE	42	49	11.96	123	26.28		308					
			3:01	BO		49	11.93	123	26.19			299				
			3:08	EN		49	11.89	123	26.18							
Cast type: BOT = otter cast ROS = Rosette USW = sea water loop Time Code BE = beginning time of cast DE = depth of event																

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Year 2001					Month September			Ship VECTOR			Cruise I.D. 2001-32			
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	39	ROS	3:48	BE	43	49 9.81	123 33.01		375		147-163	17		
			3:56	BO		49 9.82	123 32.98			374				
			4:10	EN		49 9.84	123 32.84							
20	40	CTD	4:35	BE	44	49 8.68	123 36.75		152					
			4:41	BO		49 8.70	123 36.72			150				
			4:44	EN		49 8.71	123 36.69							
20	26	CTD	6:04	BE	45	49 14.32	123 50.74		255					
			6:11	BO		49 14.35	123 50.69			246				
			6:16	EN		49 14.35	123 50.52							
	27	ROS	6:57	BE	46	49 19.02	123 48.08		355		164-179	16		
			7:04	BO		49 19.10	123 48.04			347				
			7:24	EN		49 19.13	123 48.06							
	28	CTD	8:06	BE	47	49 24.07	123 45.43		131					hit muddy bottom
			8:09	BO		49 24.09	123 45.35			132				
			8:12	EN		49 24.10	123 45.31							
	25	CTD	9:53	BE	48	49 27.75	124 7.49		282					
			9:59	BO		49 27.66	124 7.48			290				
			10:06	EN		49 27.67	124 7.42							

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Year	2001				Month	SEPTEMBER		Ship VECTOR			Cruise I.D. 2001-32					
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	2	ROS	10:37	BE	49	49	24.13	124	09.32		275		180-194	15		hit bottom
			10:42	BO		49	24.03	124	9.35			278				
			11:00	EN		49	23.99	124	9.53							
20	1	CTD	11:31	BE	50	49	20.34	124	12.11		247					
			11:36	BO		49	20.35	124	12.09			246				
			11:41	EN		49	20.36	124	12.10							
20	3	ROS	12:37	BE	51	49	24.49	124	22.10		341		195-210	16		
			12:44	BO		49	24.49	124	22.05			343				
			12:57	EN		49	24.45	124	21.98							
20	4	CTD	13:19	BE	52	49	26.58	124	20.18		341					
			13:25	BO		49	26.56	124	20.19			323				
			13:32	EN		49	26.54	124	20.19							
20	5	CTD	14:20	BE	53	49	27.39	124	30.80		318					
			14:26	BO		49	27.35	124	30.88			316				
			14:33	EN		49	27.29	124	30.97							
20	6	ROS	15:05	BE	54	49	30.63	124	27.80		195		211-223	13		cloudy, light rain
			15:10	BO		49	30.62	124	27.81			189				
			15:20	BE		49	30.61	124	27.94							

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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
20	7	CTD	15:56	BE	55	49 34.43	124 24.17		353					
			16:03	BO		49 34.41	124 24.18			351				
			16:11	EN		49 34.38	124 24.21							
	8	CTD	17:02	BE	56	49 39.31	124 33.08		337					
			17:09	BO		49 39.28	124 33.09			321				
			17:16	EN		49 39.29	124 33.16							
	9	ROS	17:55	BE	57	49 35.49	124 38.26		170		224-235	12		
			17:59	BO		49 35.48	124 38.33			166				
			18:08	BE		49 35.43	124 38.31							
	10	CTD	19:02	BE	58	49 40.69	124 47.24		95					
			19:05	BO		49 40.69	124 47.22			92				
			19:07	EN		49 40.69	124 47.20							
	11	CTD	19:31	BE	59	49 42.41	124 43.44		301					
			19:37	BO		49 42.41	124 43.50			301				
			19:43	EN		49 42.40	124 43.59							
	12	ROS	20:05	BE	60	49 43.68	124 40.93		354		236-252	17		gently placed on muddy bottom by Joe
			20:12	BO		49 43.69	124 40.97			350				one conductivity cell was obstructed
			20:30	EN		49 43.70	124 41.07							(secondary)

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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
20	13	CTD	22:02	BE	61	49	55.31	124	55.26		232					
			22:06	BO		49	55.31	124	55.27			226				
			22:10	EN		49	55.32	124	55.29							
20	14	ROS	22:39	BE	62	49	52.98	124	59.60		315		253-268	16		
			22:44	BO		49	53.03	124	59.63			311				
			23:01	EN		49	53.13	124	59.79							
20	15	CTD	23:27	BE	63	49	51.68	125	1.62		129					
			23:31	BO		49	51.73	125	1.66			132				
			23:34	EN		49	51.74	125	1.71							
21	16	ROS	00:22	BE	64	49	57.60	125	08.63		155		269-280	12		
			00:26	BO		49	57.50	125	08.48			154				
			00:	EN		49	57.48	125	8.75							
21	23	CTD	01:44	BE	65	50	1.93	125	13.45		85					strong flood (4 knots)
			1:46	BO		50	1.89	125	13.39			78				into strait.
			1:47	EN		50	1.85	125	13.34							
21	17	CTD	2:38	BE	66	49	58.84	125	4.38		273					
			2:43	BO		49	58.88	125	4.39			264				
			2:48	EN		49	58.91	125	4.39							

Cast type:

ROS = Rosette

USW =

EN =

BE =

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <i>2001</i>					Month <i>September</i>			Ship <i>VECTOR</i>			Cruise I.D. <i>2001-32</i>			
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
21	18	CTD	3:16	BE	67	49 59.22	124 58.95		150					
			3:21	BO		49 59.24	124 58.98			144				
			3:25	EN		49 59.25	124 59.00							
21	19	CTD	4:00	BE	68	50 1.21	124 52.84		285					
			4:08	BO		50 1.28	124 52.88			281				
			4:15	EN		50 1.31	124 52.78							
	20	CTD	06:30	BE	69	49 47.26	124 32.40		311					
			06:37	BO		49 47.28	124 32.43			310				
			06:43	EN		49 47.26	124 32.39							
	22	CTD	08:13	BE	70	49 40.16	124 16.28		340					
			08:20	BO		49 40.15	124 16.32			347				
			08:27	EN		49 40.14	124 16.38							
	24	CTD	09:51	BE	71	49 30.32	124 05.90		422					Touched bottom
			09:59	BO		49 30.33	124 05.78			423				
			10:06	EN		49 30.34	124 05.67							
21	TH3	CTD	14:43	BE	72	49 1.55	123 23.87		270					
			14:48	BO		49 1.58	123 23.90			264				
			14:53	EN		49 1.58	123 23.91							

Cast type:

BOT = otter 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 time

DE = deployment time

MR = messenger release time

RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <i>2001</i>					Month <i>September</i>			Ship <i>Vektor</i>				Cruise I.D. <i>2001-32</i>		
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
21	TM2	CTD	15:07	BE	73	49 0.84	123 25.69		315					
			15:14	BO		49 0.88	123 25.62			311				
			15:20	EN		49 0.84	123 25.59							
21	TM1	CTD	15:32	BE	74	49 0.27	123 27.01		240					
			15:37	BO		49 0.23	123 26.99			235				
			15:42	EN		49 0.21	123 26.95							
21	TM5	CTD	16:44	BE	75	48 54.20	123 16.02		202					
			16:49	BO		48 54.21	123 15.99			197				
			16:53	EN		48 54.20	123 15.96							
	57	CTD	18:42	BE	76	48 43.98	123 8.23		160					
			18:46	BO		48 43.93	123 8.29			159				
			18:50	EN		48 43.84	123 8.31							
	58	CTD	19:22	BE	77	48 43.05	123 14.32		337					
			19:29	BO		48 43.07	123 14.41			341				
			19:35	EN		48 43.08	123 14.41							

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