

DAILY LOG

CRUISE
NUMBER

2003

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

March 15 - 19 2000

VESSEL

J. P. Tully

PROJECT

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Captain: _____

First Officer: _____

Second Officer: _____ **Third Officer:** _____

Mission Participants / Agencies:

Scientific Personnel:

Name	Watch	Cabin
Beth Bornheld	F	
Darren Threlfe	G	
Bernard Minkley	H	
David Spear	K	
Doug Moore	D	
John Dower	C	
Hugh McLean	B	

Second leg of Mission: Party Chief: _____

[illegible]

Data logging computer:

Data acquisition program: _____

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

Primary CTD

Make: Seabird model: _____ serial number: _____

Primary temperature sensor serial number: 2023 Calibration date: _____

Primary conductivity sensor serial number:	1764	Calibration date:
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Secondary temperature sensor serial number: 237 / Calibration date:

Secondary conductivity sensor serial number: 2102 Calibration date:

Other sensors:	trans 19 d D	s/n:
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Other sensors: BAR 4565 s/n: _____

Other sensors: _____
s/n: _____

Other sensors: _____
s/n: _____

Secondary CTD

Make: _____ model: _____ serial number: _____

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: _____

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Year 2000					Month March			Ship Tully			Cruise I.D. 2000-02 2nd leg.			
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
16	P4		1520		1.	48 39.12	126 40.24		1324		1-12			
			1527			48 39.17	40.26			300		12		
			1539											
16			1805		2.	48 38.90	126 40.34							
	P4									300				
16	P4		1836	BE	3.	48 38.94	126 40.77				13-22	10		Recast. Bottles
			1840	BO						80				were not closed
			1849	EN										
16	P4		2204	BE	4.	48 39.12	126 40.53		1330		23-33	11.		
			2211	BO						300				
			2226	EN										
17	P4		0204	BE	5	48 38.92	126 40.05		1334		34-43			
			0211			39.98	40.12			300				
			0228			39.06	40.55							
17	A4		0525	BE	6	48 15.02	126 40 48		1030				H.M	PUMP NOT STARTED UNTIL
			0547	BO		48 14.8	126 41 03			1012				400 m or ↓ CAST
			0607	EN		48 14.74	126 41 46							
17	A4	NET			7	48 14.70	126 41.46			250				BONGO VNM.

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

ROS = Rosette
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DRF = drifter

USW = sea water loop

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Year 2000					Month MARCH			Ship J P TULLY				Cruise I.D. 2000-02 LEG 2		
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	A3	CTD	0849	BE	8	48 24.56	126 15 88		927				H.M	
			0908	BO		48 24.39	126 15 98			903				
			0926	EN		48 24.09	126 15.70							
17	A3	NET	0937	BE	9	48 23 86	126 15 77		927	250			H.M	Bongo
17	A1	CTD	1056	BE	10	48 29 34	126 06 97		198					
			1100	BO		48 29 28	126 07 00			182				
			1104	EN		48 29 25	126 07 03							
17	A1	NET	1114	BE	11	48 29 06	126 06 99		197	150				Bongo
	P4	ROS	1434	BE	12	48 38 97	126 39.99		1322		44-56	13.		40 knot winds
										303				
	P4	DRF	1648			4838.655	126 39.625							prod. drifter deployed
														(0848 local)
17	P4		1817		13	4838.97	126 40.75		1345		57-77	21.		loop taken
			1847			48 39.02	126 47.55			1349				PAR removed
			1922			48 3905	126 42.09							

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17/3/2000 @ 23:56

00:06

Seawater pump shut down to repair plumbing leak

log, turned back on.

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Year <u>2000</u>					Month <u>March</u>			Ship <u>Tully</u>				Cruise I.D. <u>2000-03</u>		
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	P4	ROS	2207	BE	14	48 38.98	126 39.98		1327	304	78-87	10		PAR sensor on.
			2215	BO										
			2229	EN										
18	P4	NET	2240	BE	15	48 37 54	126 37 06							BONGO
18	P4	ROS	0207	BE	16	48 38.49	126 40.49		1338	504	88-96	9		
18			0220	BO		48 38.64	126 40.01							
				EN										
18	P4	NET	0411	EN	17	48 39 26	126 40 48			400				3 SPLIT HAULS ⁰⁻¹⁰⁰ ¹⁰⁰⁻²⁰⁰ ²⁰⁰⁻⁴⁰⁰
18	P4	ROS	1438	BE	18	48 38.89	126 40.03		1329	203	97-109	17		large tubes -
			1445	BO										
			1503	EN										
18	P4	ROS	1804	BE	19	48 39.15	126 40.49		1333	301	110-119	10		
			1811	BO		39.14	40.57							
				EN										
18	P4	NETS			20	48 39.05	126 40.21			243			H.M.	BONGOS → 250 (ABC)
18	P4	NET			21	48 39.00	126 40.20			50			H.M.	BONGO → 50 (ABC)

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Sea water Loop is rusty. Chlorophyl samples from Loop very red & slow to Filter compared to bottle samples. This will probably affect the Thermo salinograph Salinity measurements as well

chl fluorescence: Sen point

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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
18	B-6	CTD	22:32		22	48 36.45	125 54.17		93	80			BB.	
			22:36			" "	54.25							
			22:38			36.44	54.27							
	B-6	NET			23/23A									BONGOS 0-250, 0-50
19	B 5	CTD	0007		24	48 40.58	125 46.31		84	65				
			0008			40 53	46 35							
			0011			40 51	46 35							
19	B5	NET		BO	25	48 40 34	125 46 54		65	60				BONGO 0-60
19	B8	CTD	0155	BE	26	4834.47	125 30.22		135					
			0200	BO		34.49	30.32			128				
			0202	EN		34.50	30.37							
19	B8	NET	0216		27	48 34 52	125 30 45							BONGO 0-125
19	B8	NET	0223		28	48 34 52	125 30 57							BONGO 0-50
19	B7	CTD	0309	BE	29	48 32.07	125 35.72		77m					Pinger didn't come
			0312	BO		32.12	35.83			65				through on sounder
			0315	EN		32.13	35.85							rough & noisy
	B7	Net			30					70				BONGO 0-70m

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19	C-3	CTD	0515	BE	31	48 23.46	125 20.60		122					Well mixed surface
			0518	BO		48 23.47	125 20.71			115				layer
			0520	EN		23.48	125 20.74							
19	C-3	NET	0533	BO	32	48 23.48	125 20.88		124	115				BONGO 0-115m.
19	C-1	CTD	0634	BE	33	48 28 99	125 15 35		152					MIXED TO 30m (HALOCLINE)
			0638	BO		48 28 96	125 15 35			144				THERMOCLINE @ 50m
			0641	EN		48 28 95	125 15 36							
19	C-1	Net	0654	BO	34	48 28 87	125 15 37		155	140				BONGO
19	C2	CTD	0803	BE	35	48 25.42	125 07 63		114					NOT THAT WELL MIXED?
			0805	BO		48 25 40	125 07 61			103				
			0807	EN		48 25 38	125 07 58							
19	C2	NET	0818	BO	36	48 25 30	125 07 72		114	100				BONGO

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