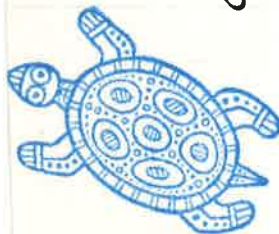


IOS 2006-016

S.W. Laurier

WCVI April 2006

CTD / Plankton



DAILY LOG

CRUISE
NUMBER

IOS 2006
-016

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

19 April - 24 April 2006

VESSEL

Laurier

PROJECT

WCVI

DAILY LOG ^{UTC = LOCAL + 7}

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2006</u>					Month <u>April</u>			Ship <u>Laurier</u>			Cruise I.D. <u>16</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
19	C2	CTD	1117	BE	0001	48 25.46	125 07.801		147	137			SR/WM	
			1125	EN										
19	C2	NET	1129	BE	0002	48 25.49	125 07.75		147	137				
			1136	EN										
19	C1	NET	1225	BE	0003	48 28 94	125 15.25		157	147				
			1237	EN										
19	C1	CTD	1240	BE	0004	48 28 95	125 15.29		157	147				
			1246	EN										
19	C3	CTD	1336	BE	0005	48 23 58	125 20 78		127	117				
			1342	EN										
19	C3	NET	1346	BE	0006	48 23 47	125 20 80		127	117				
			1350	EN										
19	LB07	NET	1429	BE	0007	48 28.607	125 22.03		144	154				
			1438	EN										
19	LB07	CTD	1443	BE	0008	48 28 58	125 22.11		144	154			MR/WM	Downloaded
			1451	EN										
19	B8	CTD	1546	BE	0009	48 34 54	125 29.99		102	112				DOWNLOADED
			1551	EN										

Cast type:

BOT = otter cast
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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

UTC = LOCAL + 7

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship LAURIER			Cruise I.D. 2006-16			
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	B8	NET	1557	BE	0010	48 34.52	125 30.00		112	102			mg/ma	WOLFEE LARVAE
			1605	EN										
19	B7	NET	1703	BE	0011	48 32.06	125 35.36		74	64				
			1706	EN										
19	B7	CTD	1711	BE	0012	48 32.10	125 35.54		74	64				Downloaded
			1715	EN										
19	LB08	CTD	1809	BE	0013	48 25.34	125 28.67		150	140				Downloaded
			1816	EN										
19	LB08	NET	1819	BE	0014	48 25.35	125 28.67		150	140				
			1826	EN										
19	LB09	CTD	1916	BE	0015	48 22.02	125 34.84		150	140			mb/dm	Downloaded
			1922	EN										
19	LB10	CTD	2011	BE	0016	48 18.58	125 41.35		149	139				Downloaded
			2018	EN										
19	LB11	CTD	2102	BE	0017	48 15.25	125 47.72		200	190				Downloaded
			2110	EN										
19	LB11	NET	2113	BE	0018	48 15.35	125 47.70		200	190				
			2125	EN										

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LC12 : CAST 25 : STOPPED @ ~522 AND 885 ON WAY DOWN TO ADJUST WINCH SPOOLING.

⇒ PROBLEMS WITH SALINITY SENSOR

GOES TO < 28 (0?) @ ≈ 700 ON WAY DOWN,

COMES BACK @ ≈ 900 ON WAY UP

} NOT SURE OF PRESSURE

MARIE

DAILY LOG

UTC =
LOCAL +7

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship SIR WILLFRED LAURIER				Cruise I.D. 105 2006-16		
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	LB12	CTD	2207	BE	0019	48 12.90	125 51.90		507	497			MD/DM	Downloaded
			2222	EN										
19	LB13	CTD	2256	BE	0020	48 10.55	125 56.14		800+	500			SR/HM	DOWNLOADED
			2312	EN										
20	LB14	CTD	0042	BE	21	48 03.47	126 00.06		800+	500				Downloaded
			0100	EN										
20	LB14	NET	0103	BE	22	48 08.29	126 00.21		800+	250				
			0115	EN										
20	LB15	CTD	0208	BE	23	48 04.37	126 03.45		800+	500				DOWNLOADED
			0221	EN										
20	LB16	CTD	0315	BE	24	48 00.54	126 17.05		800+	500		1 SAL		Downloaded +bottle
			0335	EN									SR/HM	CTD RAM CLEARED
20	LC12/AA	CTD	0449	BE	25	48 13.02	126 39.98		1000+	1000		1 SAL	MG/MR	+bottle
			0530	EN										
30	LC12/AA	NET	0539	BE	26	48 15.11	126 39.90		1000+	250				See notes ← previous page
			0557	EN										
30	LC11	CTD	0654	BE	27	48 18.15	126 26.70		11500	1000				
			0728	EN									DM/MD	Downloaded

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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	
20	LC10	CTD	810	BE	28	48 22 394	126 20.25		~1100	1000		15AL		downloaded	
			853	EN											
	LC10	NET	0857	BE	29	48 22 400	126 20.176		~1100	250					
			0906	EN											
	LC9/A3	NET	0952	BE	30	48 25 945	126 13.740		610	250					
			1003	EN											
	LC9/A3	CTD	10 09	BE	31	48 25.953	126 13.69		610	600				downloaded	
			1030	EN											
	A2	CTD	1124	BE	32	48 22.7781	126 03.0927		355	345					
			1136	EN											
	A2	NET	1138	BE	33	48 22.7095	126 03.7354		355	250					
			1147	EN											
	LC8/A1	NET	1242	BE	34	48 29.4224	126 07.1361		203	193					
			1249	EN											
	LC8/A1	CTD	1255	BE	35	48 29.4283	126 07.1176		203	193					
			1300	EN											
20	LC07	CTD	1345	BE	36	48 32.5502	126 00.5204		129	119					
			1350	EN											

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CAST 11 IS AN ON/BEF SMALL FILE

LC03 = CAST 10

LC02 = CAST 12

DAILY LOG

UTC = LOCAL
+ 7 hrs.

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2006</u>					Month <u>APRIL</u>			Ship <u>LAURIER</u>				Cruise I.D. <u>2006-16</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
20	LL6/B6	CTD	1431	BE	37	48 36.409	125 54.089		95	85		HM/SE		Download
			1435	EN										
20	LL6/B6	NET	1438	BE	38	48 36.372	125 54.034		95	85				
			1445	EN										
20	LL5/B5	NET	1523	BE	39	48 39.831	125 47.73		65	55		MG/ME		
			1527	EN										
20	LL5/B5	CTD	1531	BE	40	48 39.817	125 47.789		66	56				DL
			1535	EN										
20	LL4	CTD	1626	BE	41	48 43.425	125 40.796		167	157				DL
			1633	EN										
20	LL3	CTD	1722	BE	42	48 46.954	125 34.32		135	125				NO DATA? CAST 11 only 9 points ↓ SEE NOTE
			1727	EN										
20	LL2	CTD	1754	BE	43	48 48.655	125 31.030		110	100				DL
			1758	EN										

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DAILY LOG

LOCAL +7

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship LAUREL			Cruise I.D. 2006-16			
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	LC01	CTD	1818	BE	44	48 50.429	125 27.74		95	85			mg/MR	DL
			1823	EN										
20	D1	CTD	2007	BE	45	48 58.41	125 47.06		33	43			MD/DW	DOWNLOADED
			2009	EN										
20	D1	NET	2010	BE	46	48 58.44	125 47.07		33	43				BOWSO
			2015	EN										
20	D2	NET	2131	BE	47	48 53.28	125 57.04		52	62				BOWSO
			2136	EN										
20	A2	CTD	2123	BE	48	48 53.20	125 56.98		52	62				DOWNLOADED
			2128	EN										
21	LG01	CTD	102	BE	49	49 20.47	126 35.03		48	58			SR/HW	
			104	EN										
21	LG02	CTD	0128	BE	50	49 18.79	126 38.13		91	101				
			0132	EN										
21	LG02	NET	0135	BE	51	49 18.78	126 38.16							BOWSO
			0139	EN										

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2006</u>					Month <u>APRIL</u>			Ship <u>LAURIER</u>				Cruise I.D. <u>2006-16</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
21	LG03	CTD	0217		52	49 14 95	126 43 76		124	114			HM/SR	DOWNLOADED
			0221											+ INITIALIZED (0403)
21	LG04	CTD	0258		53	49 11 23	126 49 59		150	140			MG/MR	DOWNLOADED
			0303											
21	LG04	NET	0306		54	49 11 23	126 49 71		150	140				BONGO
			0315											
21	LG05	CTD	0353		55	49 07 35	126 55 49		287	277				DOWNLOADED
			0402											
21	LG06	CTD	0440		56	49 03 42	127 01 16		972	500				DOWNLOADED
			0456											
21	LG07	CTD	0536		57	48 59 35	127 07 10			500				DOWNLOADED
			0551											
21	LG07	NET	0600		58	48 59.33	127 07 06							BONGO
			0610											
21	LG08	CTD	0702		59	48 55 26	127 13 20		2500+	500			MR/DM	DOWNLOADED
			0717											
21	LG09	CTD	0803		60	48 51 20	127 19 40			500		1 SAL	MR/DM	BONGO DL
			0826											

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship LAURIER			Cruise I.D. 2006-16			
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	LG09	NET	0831	BE	61	48 51 18	127 19.37			250			MD/DM	BONGO
			0841	EN										
21	LBP08	CTD	1618	BE	62	49 48.58	128 16 77		~2500	500			MG/MR	DOWN LOADED + INIT.
			1630	EN										BATTERIES CHANGED
21	LBP7	CTD	1712	BE	63	49 52.31	128 10 97		2000	500		1 SAL		DOWN LOADED
			1733	EN										
21	LBP7	NET	1735	BE	64	49 52.31	128 10 83		2000	250				
			1744	EN										
21	LBP6	CTD	1833	BE	65	49 56 19	128 05 46		~850	500				DL
			1845	EN										
21	LBP5	CTD	1925	BE	66	50 00 05	127 59 89			500				DL
			1942	EN										
21	LBP5	NET	1945	BE	67	50 00 02	127 59 85			250				
			1953	EN										
21	LBP4	CTD	2013	BE	68	50 01 33	127 57 99			500				DL
			2026	EN										
21	LBP3	NET	2049	BE	69	50 03 106	127 55 276		174	164				BONGO
			2055	EN										

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship LAURIER				Cruise I.D. 2006-16		
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	LBP 3	CTD	2100	BE	70	50 03 142	127 55 273		170	160				DL
			2106	EN										
21	LBP 2	CTD	2121	BE	71	50 03 83	127 54 10		105	95				DL
			2124	EN										
21	LBP 2	NET	2126	BE	72	50 03 73	127 53 974		105	95				BONGO
			2131	EN										
21	LBP 1	CTD	2146	BE	73	50 04 75	127 52 80		63	53				TDL
			2148	EN										
22	CS01	CTD	0600	BE	74	50 34 874	129 41.45			1000		1 SAL		DL SAL CUT OUT @ 600 ↓
			0637	EN										CAMP back @ 600 on up ↑
22	CS01	NET	0648	BE	75	50 34 77	129 41 27			250				
			0657	EN										
22	CS02	NET	0862	BE	76	50 41 30	129 28 07		1900	250				
			0824	EN										
22	CS02	CTD	0831	BE	77	50 46 30	129 48 09		1900	1000		1 SAL		DL
			0902	EN										

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2006</u>					Month <u>APRIL</u>			Ship <u>LAUREL</u>				Cruise I.D. <u>2006-16</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
22	JI22	CTD	0959	BE	78	50 39 79	129 17 64			500			md/dm	DL
			1614	EN										
22	JI22	NET	1017	BE	79	50 39 89	129 17 17			250				
			1029	EN										
22	CS03	NET	1107	BE	80	50 45.145	129 19.8602		360	250			mm/sr	
			1117	EN										
22	CS03	CTD	1123	BE	81	50 45.2003	129 19.8125		360	350				DL
			1131	EN										
22	CS04	CTD	1211	BE	82	50 49.1326	129 12.9917		102	92				
			1216											
22	CS04	NET	1219	BE	83	50 49.1324	129 12.9693		102	92				
			1222											
22	CS3B	NET	1349	BE	89	50 59.9842	129 26.9647		222	212				
			1357											
22	CS3B	CTD	1402	BE	85	50 59.9733	129 26.9117		222	212				
			1409											

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2006					Month APRIL			Ship LAURIER				Cruise I.D. 2006-16		
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
22	CS05	CTD	1553	BE	86	50 55.99	129 00.06		65	55		MG/MR		DL
			1559	EN								↓		
22	CS05	NET	1601	BE	87	50 55.96	129 00.06		65	55		↓		
			1604	EN								↓		
22	CS06	NET	1720	BE	88	50 59.98	128 50.04		67	57		MG/MR		DL
			1722	EN								↓		
22	CS06	CTD	1728	BE	89	50 59.88	128 50.16		67	57		↓		
			1731	EN								↓		
22	CS07	CTD	1809	BE	90	51 04.49	128 44.03		66	56		MG/MR		DL
			1814	EN								↓		
22	CS07	NET	1818	BE	91	51 04.46	128 44.02		66	56		↓		
			1820	EN								↓		
22	CS08	NET	1906	BE	92	51 08.56	128 35.99		145	135		MD/DW		CTD NOT HELD AT SURF FOR
			1911	EN										0.5 min. - SHIP DUMPED
22	CS08	CTD	1915	BE	93	51 08.60	128 35.98		145	135				WASTE OUT SIDE
			1920	EN								↓		DOWNLOADED CTD

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2006</u>					Month <u>April</u>			Ship <u>S. W. LARSEN</u>				Cruise I.D. <u>2006-16</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
22	CS09	CTD	1957	BE	94	51 12 51	128 28 03		195	185			mb/dm	DL
			2004	EN										
22	CS09	NET	2005	BE	95	51 12 54	128 28 09		195	185				BON60
			2012	EN										
22	CS10	Net	2059	BE	96	51 16 58	128 20 00		80	70				BON60
			2101	EN										
22	CS10	CTD	2052	BE	97	51 16 54	128 19 99		80	70				DL
			2054	EN										
23	CPE1	CTD	0228	BE	98	50 59.94	127 49.99		151	141			Hm/SR	DL
			0232	EN										
	CPE1	NET	0234	BE	99	50 59.90	127 49.94		151	141				
			0240	EN										
23	CPE2	NET	1609	BE	100	49 27.98	124 30.03		331	250			mg/mr/dm (assisting)	
			1617	EN										
		CTD	1624	BE	101	49 27.98	124 30 02		331	321				DL
			1634	EN										

Cast type:

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

[illegible]

Cast type:

BOT = bottle cast
CTD = CTD
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Time Code

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DE = deployment time
MR = messenger release time
RE = recover mooring time