

CRUISE
NUMBER

9813

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

APRIL 7/98 - APRIL 10/98

VESSEL

LAURIER

PROJECT

EL NINO WATCH

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH				SHIP			CRUISE				PAGE	OF
1998		APRIL				LAURIER			9813				1	
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
08	P01	CTD		BE	001	48 34.471	125 29.997	12:39			1	1		CTD PROBLEMS
08	P01	CTD		BO	001	48 34.595	125 29.582							SECONDARY TRIP
08	P01	CTD		EN	001	48 34.619	125 29.928							UNSTABLE →
08	P01							MISLABELED → NO BONG 002						HIT BOTTOM
08	P02	CTD	1408	BE	003	48 36.196	126 00.114	15:11	109	90	2	1		#2.
08	P02	CTD	1411	BO	003	48 36.180	126 00.136							10.4/2@5
08	P02	CTD	1414	EN	003	48 36.191	126 00.133							
08		Bongo			004									
08	P03	CTD	1631	BE	005	48 37.638	126 19.891	17:34	760	730	3	1		#3 10.062
08	P03	CTD	1646	BO	005	48 37.613	126 19.698							Primary Coral Low
08	P03	CTD	1659	EN	005	48 37.539	126 19.654							* Can. files 9813001 → 9813003 INCORRECT PRIM COID CAL CORRECTION
08	P04	CTD	1837	BE	006	48 39.029	126 39.965	19:38	1300	959	4	1		#4. 10.095
08	P04	CTD	1847	BO	006	48 39.234	126 39.822							
08	P04	CTD	1858	EN	006	48 39.299	126 39.816							
	P04	Bongo			007									

CAST TYPE - BOT - bottle 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

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

POSITION CODE - RAD - RADAR
GPS - GLOBAL
LOR - LORAN

THERE IS SOME HYSTERESIS ON (PO1 & PO2 especially) EARLY CTD CASTS.

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1978		APRIL				LAURIER				9813					
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD-HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
08	P05	CTD	22:14	BE	008	48 41.441	127 19.780	23:17	2100	950	5	1		#5.	10.358
08	P05	CTD	22:29	BO	008	48 41.413	127 19.744								
08	P05	CTD	22:47	EN	008	48 41.340	127 19.667								
09	P06	CTD	00:24	BE	009	48 44.580	127 39.889	01:26	2500	950	6	1		#6.	10.229
09	P06	CTD	00:36	BO	009	48 44.651	127 39.889								
09	P06	CTD	00:50	EN	009	48 44.515	127 39.872								
09	P06	BONGO			010										
09	P07	CTD	03:24	BE	011	48 46.525	128 09.680	04:26	2450	950	7	1		#7.	9.654
09	P07	CTD	03:34	BO	011	48 46.432	128 09.667								
09	P07	CTD	03:47	EN	011	48 46.308	128 09.566								
09	P08	CTD	06:06	BE	012	48 48.420	128 39.674	07:09	2440	950	8	1		#8.	10.034
09	P08	CTD	06:15	BO	012	48 48.790	128 39.660								
09	P08	CTD	06:27	EN	012	48 48.683	128 39.673								
09	P08	BONGO			013										

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YEAR 1998			MONTH APRIL			SHIP LAURIER			CRUISE 9813				PAGE OF	
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
09	P09	CTD	0900	BE	014	48 51 411	129 09.864	10'05	2340	950	9	1		#9. 10.073
09	P09	CTD	0911	BO	014	48 51 379	129 09.832							
09	P09	CTD	0922	EN	014	48 51 314	129 09.912							
09	P10	CTD	1132	BE	15	48 53 719	129 40.108	12:35	2660	950	10	1		#10 9.464 Winch/Hiab vibrating,
09	P10	CTD	1139	BO	15	48 53 719	129 40.024							causing fat salinity trace ?
09	P10	CTD	1149	EN	15	48 53.736	129 39.908							
09	P10	BONGO			16									
09	P11	CTD	14:25	BE	17	48 56 100	130 10.073	15:28	2700	950	11	1		#11. 9.291
09	P11	CTD	1437	BO	17	48 56 026	130 10.065							
09	P11	CTD	14:53	EN	17	48 56 052	130 10.080							
09	P12	CTD	17:00	BE	18	48 58.219	130 39.976	18:03	3200	1018	12	1		#12. 8.832
09	P12	CTD	17:11	BO	18	48 58.273	130 39.962							
09	P12	CTD	17:22	EN	18	48 58 241	130 39.895							
09	P12	BONGO			19									

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[illegible]

CAST TYPE -	BOT -	bottle cast	ROS -	rosette	USW -	sea water loop
	CTD -	ctd	NET -	net haul		
	MOR -	mooring	DRF -	drifter		

TIME CODE -	BE -	beginning time of cast	DE -	deployment time
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P01a- Repeating cast P01 ; 1st time the CTD wasn't working well, time permits a 2nd try.
Cudos to the Capt. & Crew for accommodating all the work we wanted to get done on this Cruise! DA