

CRUISE
NUMBER

9802

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

18-21 JANUARY 1998

VESSEL

SIR WILFRID LAURIER

PROJECT

LINE P / EL NIÑO WATCH

Captain: SID WEBB First Officer: Richard 98-02
Second Officer: Peter Third Officer: Mark

Cruise Participants / Agencies:

Scientific Personnel: Party Chief: MARIE ROBERT

Name	Watch	Cabin	Name	Watch	Cabin
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SHEILA TOEWS

Second leg of cruise: Party Chief:

Name	Watch	Cabin	Name	Watch	Cabin
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Data logging system: Unit no.:

Program Name: _____ Program version: _____

CTD deck unit make: _____ model: _____ serial no.: _____

Computer make: _____ model: _____ serial no.: _____

1st CTD make: _____ model: _____ serial no.: 0437

Temperature sensor model: _____ serial no.: T₀ 2038

coefficients: slope: _____ offset: T₁ 2023

Conductivity sensor model: _____ serial no.: C₀ 1762

coefficients: slope: _____ offset: C₁ 1763

Pressure sensor range: _____ psi serial no.: _____

coefficients: FSP: _____ dB offset: _____

Transmissometer model: _____ serial no.: none

coefficients: slope: _____ offset: _____

Comments: _____

CTD 0443
T₀ 2095 T₁ 2142

C₀ 1729 C₁ 1766

4 mls.

Rosemary

6506

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YEAR		MONTH			SHIP		CRUISE			PAGE		OF		
1998		JANUARY			SIR WILFRID LAURIER		9802			1		5		
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
					001			✓						TEST AT THE DOCK
19	P1	BONGO	1519	BE	002	48°34.607	125°29.928		108		2 bongos			
19	P1	BONGO	1524	BO	2	48° 34.640	125° 29.906							
19	P1	BONGO	1527	EN	2	48° 34.663	125° 29.876							
19	P1	CTD	1538	BE	003	48° 34.826	125° 29.795	✓	108		1 sal. #1			T° does not look right.
19	P1	CTD	1543	BO	3	48° 34.82	125° 29.80			95	3 wts			11' all way down.
19	P1	CTD	1544	EN	3	48° 34.82	125° 29.78	✓		96.846				sal = 32.3
														CTD 3 min in water
19	P2	CTD	1729	BE	4	48° 36.239	125° 59.971	✓	111		1 sal. #2			T° surface 15.5°!
19	P2	CTD	1731	BO	4	48° 36.261	125° 59.988			103	3 wts			
19	P2	CTD	1732	EN	4	48° 36.277	126° 00.008	✓		108.259				
19	P3	CTD	1844	BE	5	48° 37.661	126° 20.041	✓	?		1 sal #3			T° surface 11.4°C
19	P3	CTD	1858	BO	5	48° 37.72	126° 20.26			748	3 wts			Hit the bottom
19	P3	CTD	1908	EN	5	48° 37.769	126° 20.403	✓		749.359				Lost the screen!
CAST TYPE - BOT - bottle cast ROS - rosette USW - sea water loop TIME CODE BE - bottom temperature CT - conductivity														

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

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1998			JANUARY			LAURIER			9802			2		5	
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	
19	P3	BONGO		BO	6	48°	126°		?						
19	P3	BONGO	1922	BO	6	48° 37.82	126° 20.6			~150	2 samples				
19	P3	BONGO		EN	6										
19	P4	CTD	2037	BO	7	48° 39.083	126° 39.580	✓	?		1 sal #4			Looks ok	
19	P4	CTD	2052	BO	7	48° 39.15	126° 39.89			972	3 wts			SST 10.9°C	
19	P4	CTD	2102	EN	7	48° 39.161	126° 39.992	✓		973.156				Same Sal, Same T°	
														0.003 ≠	
19	P5	CTD	2311	BO	8	48° 41.902	127° 20.045	✓	?		1 sal #5			SST 11.2	
19	P5	CTD	2324	BO	8	48° 42.074	127° 20.315			985	3 wts				
19	P5	CTD	2336	EN	8	48° 42.189	127° 20.538	✓		986.783					
19	P5	BONGO	2341	BO	9	48° 42.299	127° 20.677		?					PIN TO LATCH BLOCK	
19	P5	BONGO	2347	BO	9	48° 42.348	127° 20.805			152				FELL.	
19	P5	BONGO	2351	EN	9	48° 42.436	127° 20.915								

CAST TYPE - BOT - bottle cast
CTD - ctd
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ROS - rosette
NET - net haul
DRF - drifter

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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

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20	P6	CTD	0103	BE	10	48° 44.621	127° 39.720	✓	?		1 sal #6			SST 10.9			
20	P6	CTD	0118	BO	10	48° 44.768	127° 40.105			949	3 nts			Got new pin for			
20	P6	CTD	0128	EN	10	48° 44.765	127° 40.219	✓		949.007				block.			
20	P7	CTD	0308	BE	11	48° 46.604	128° 09.194	✓	?		1 sal #7			SST° 10.0			
20	P7	CTD	0326	BO	11	48° 46.613	128° 09.523			987	3 nts						
20	P7	CTD	0337	EN	11	48° 46.635	128° 09.609	✓		988.380							
20	P7	Bongo	0341	BE	12	48° 46.686	128° 09.759		?		2 samples						
20	P7	Bongo	0347	BO	12	48° 46.692	128° 09.780			149							
20	P7	Bongo	0351	EN	12	48° 46.719	128° 09.782										
20	P12	CTD	1511	BE	13	48° 58.225	130° 39.949	✓	?		1 sal #8			SST : 9.1			
20	P12	CTD	1529	BO	13	48° 58.460	130° 39.948			986	3 nts						
20	P12	CTD	1538	EN	13	48° 58.580	130° 39.926	✓		986.739							

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20	P11	CTD	1718	BE	14	48° 55.937	130° 10.142	✓	?		1 sal # 9			SST 9.0
20	P11	CTD	1735	BO	14	48° 56.092	130° 10.200			1005	3 nuts			sal spike @ ~ 525 ↓
20	P11	CTD	1745	EN	14	48° 56.183	130° 10.257	✓		1007.850				FT on way up @ ~ 250 m
20	P11	Bongo	1749	BE	15	48° 56.208	130° 10.215		?		2 samples			
20	P11	Bongo	1755	BO	15	48° 56.321	130° 10.189			150				
20	P11	Bongo	1758	EN	15	48° 56.349	130° 10.177							
20	P10	CTD	1936	BE	16	48° 53.600	129° 40.087	✓	?		1 sal # 10			SST 9.2
20	P10	CTD	1950	BO	16	48° 53.758	129° 40.150			1002	3 nuts			
20	P10	CTD	2002	EN	16	48° 53.784	129° 40.058	✓		1002.004				
20	P9	CTD	2138	BE	17	48° 51.378	129° 09.830	✓	?		1 sal # 11			SST 9.5
20	P9	CTD	2153	BO	17	48° 51.417	129° 09.916			1011	3 nuts			Starting to have problems
20	P9	CTD	2209	EN	17	48° 51.583	129° 09.880	✓		1014.973				with CTD winch, last
														cast too.

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[illegible]

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