

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP <i>Parizeau</i>			CRUISE <i>89-50</i>										TIME ZONE <i>+7</i>		PAGE / OF	
DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE & LONGITUDE	TIME SHIP STOPS	STD-CONSEC. NO. & DEPTH (m)	STD START TIME	HYDRO-CONSEC. NO. & DEPTH (m)	MESSENGER TIME	HYDRO SALINITY NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE TEMPERATURE	TIME SHIP PROCEEDS	NOTES	
<i>May 23/89</i>	<i>CEN1</i>	<i>182</i>	<i>48 25.97</i>	<i>1755</i>	<i>1</i>	<i>187</i>	<i>1806</i>				<i>10.70</i>	<i>10.88</i>	<i>10/35</i>	<i>1814</i>	<i>at site of 1st drifter</i>	
			<i>125 20.15</i>								<i>3/39</i>	<i>31.32</i>				
<i>23</i>	<i>LA01</i>	<i>260</i>		<i>2242</i>	<i>2</i>						<i>10.29</i>	<i>10.36</i>	<i>10/44</i>		<i>KXX</i>	
											<i>3/44</i>	<i>31.42</i>				
<i>23</i>	<i>LA02</i>	<i>315</i>	<i>48 26.17</i>	<i>2330</i>	<i>3</i>	<i>310</i>	<i>2338</i>	<i>/</i>			<i>9.11</i>	<i>9.23</i>	<i>10/40</i>	<i>2350</i>	<i>KXX</i>	
			<i>124 51.20</i>								<i>32.16</i>	<i>31.96</i>				
<i>24</i>	<i>LA03</i>	<i>125</i>	<i>48 22.83</i>	<i>0020</i>	<i>4</i>	<i>119</i>	<i>0027</i>	<i>/</i>			<i>9.88</i>	<i>9.83</i>	<i>10/3.8</i>	<i>0030</i>	<i>KXX</i>	
			<i>124 57.27</i>								<i>3/934</i>	<i>31.89</i>				
<i>MAY 24</i>	<i>LA04</i>	<i>195</i>	<i>48 19.27</i>	<i>0112</i>	<i>5</i>	<i>189</i>	<i>0120</i>	<i>/</i>			<i>12.26</i>	<i>12.56</i>	<i>10/3.7</i>	<i>0127</i>	<i>KXX</i>	
			<i>125 04.06</i>								<i>3/30</i>	<i>31.19</i>				
<i>24</i>	<i>LA05</i>	<i>118</i>	<i>48 16.06</i>	<i>0207</i>	<i>6</i>	<i>117</i>	<i>0209</i>	<i>/</i>			<i>12.47</i>	<i>12.47</i>	<i>10/3.7</i>	<i>0215</i>	<i>KXX</i>	
			<i>125 10.67</i>								<i>3/254</i>	<i>31.20</i>				
<i>24</i>	<i>CEN2</i>	<i>161</i>	<i>48 27.49</i>	<i>0415</i>	<i>7</i>	<i>162</i>	<i>0419</i>	<i>/</i>			<i>10.83</i>	<i>10.76</i>	<i>10/4.3</i>	<i>0425</i>	<i>at first drifter</i>	
			<i>125 19.25</i>								<i>3/442</i>	<i>31.41</i>				
<i>24</i>	<i>LA06</i>	<i>110</i>	<i>48 12.75</i>	<i>0553</i>	<i>8</i>	<i>111</i>	<i>0555</i>	<i>/</i>			<i>10.24</i>	<i>12.26</i>	<i>10/4.3</i>	<i>0600</i>	<i>KXX</i>	
			<i>125 17.30</i>								<i>3/142</i>	<i>31.06</i>				
<i>24</i>	<i>LA07</i>	<i>110</i>	<i>48 09.</i>	<i>0647</i>	<i>9</i>	<i>109</i>	<i>0650</i>	<i>/</i>			<i>12.23</i>	<i>12.18</i>	<i>10/4.5</i>	<i>0700</i>	<i>KXX</i>	
			<i>125 23.</i>								<i>3/176</i>	<i>31.14</i>				
<i>24</i>	<i>LA08</i>	<i>136</i>	<i>48 05.92</i>	<i>0730</i>	<i>10</i>	<i>135</i>	<i>0734</i>	<i>/</i>			<i>12.59</i>	<i>12.56</i>	<i>10/4.5</i>	<i>0740</i>	<i>KXX</i>	
			<i>125 30.30</i>								<i>3/180</i>	<i>31.15</i>				
<i>24</i>	<i>LA09</i>	<i>350</i>	<i>48 02.49</i>	<i>0812</i>	<i>11</i>	<i>357</i>	<i>0815</i>				<i>12.55</i>	<i>12.50</i>	<i>10/4.6</i>		<i>KXX</i>	
			<i>125 36.97</i>								<i>3/202</i>	<i>31.18</i>				
<i>24</i>	<i>LA10</i>	<i>924</i>	<i>47 59.08</i>	<i>0900</i>	<i>12</i>	<i>926</i>	<i>0903</i>	<i>/</i>			<i>12.34</i>	<i>12.29</i>	<i>10/4.8</i>	<i>0930</i>	<i>KXX</i>	
			<i>125 43.59</i>								<i>3/173</i>	<i>31.15</i>				

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SHIP		CRUISE 89-50										TIME ZONE +7		PAGE 2 OF			
DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE	LONGITUDE	TIME SHIP STOPS	STD - CONSEC. NO.	STD START TIME	HYDRO - CONSEC. NO.	HYDRO DEPTH (m)	MESSENGER TIME	HYDRO SALINITY NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
MAY 24	LBA 4	145	48 12 29.1 125 29.93	11:10	13	11:16	/				12.57 31.130	1252 31.11	1015.3	11:25			
24	LBA 3	120	48 23 54 125 20.73	12:35	14	12:36		Note Large Pressure offset			-9.64 at surface	1065 31.476	1062 31.45	1015.7			Plankton Haul.
						NOTE - 13.9 meter in air.								- 0.67% FS			
						Switched off Probe power and offset returned to normal if this occurs again we should change STD Probes.											
	COO1	150	48 28 9.7 125 18.11	1345	15	13:46	/				9.67 31.75	9.71 31.70	1016.0				AIR IN -.06 AIR OUT +.09 BONGO
	LBA2	107	48 25.33 125 07.30	1452	16	108	1456	/			9.12 31.86	8.97 31.95	1017.0	1520			AIR IN +.14 BONGO AIR OUT +.08
May 24	LBA1	109	48 31.60 125 03.89	1603	17	110	1606	/			9.78 31.704	9.75 31.68	1017.6	1610			AIR IN +.09 AIR OUT +.09
	LB01	33	48 40.05 124 59.56	1700	18	34	1704	/			9.72 31.768	9.90 31.68	1017.9	1706			air in +.09 air out +.09
	LB02	48	48 39.05 125 02.46	1724	19	48	1726	/			10.25 31.63	10.54 31.58	1018.0	1729			+ .09 + .09
	LB03	85	48 37.37 125 05.60	1746	20	80	1747	/			10.32 31.648	10.35 31.62	1018.2	1750			+ .09 + .09
24	LB04	105	48 35. 125 08.	1805	21	101	1807	/			10.02 31.767	10.11 31.72	1018.5	1811			
24	LB05	100	48 34.02 125 12.07	1828	22	101	1830	/			10.22 31.720	10.14 31.72	1018.6	1834			KKXV

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COMMENTS

CALIBRATION FILE LB13

DEPTH	PROBE TEMP	SAL	RATIO	mes
9.15	3.924	34.326	.75316	+ 2.22 MIN
9.16	3.923	34.321	.75329	+ 3.00 MIN
9.14	3.919	34.326	.75321	+ 4.00 MIN
9.14	3.919	34.331	.75312	+ 4.30
9.14	3.913	34.329	.75300	+ 5.00

SALINITY NO 31

Niskin bottle 9.11. 3.92 _____

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DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE & LONGITUDE	TIME SHIP STOPS	STD - CONSEC. NO. & DEPTH (m)	STD START TIME	HYDRO - CONSEC. NO. & DEPTH (m)	MESSENGER TIME	HYDRO SALINITY	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES		
May 24	LB06	110	48 32.26	1853	23	112	1853	/				10.30	10.26	1018.8	1857	KKXX	
			125 15.45									31.72	31.68				
24	LB07	152	48 28.83	1930	24	151	1933	/				10.94	10.89	1019.2		.09 .20	
			125 22.07									31.520	31.48				
24	LB03	132	48 26.72	2032	25	132	2035	/				11.57	11.60	1019.4	2042	Bad data at surface. KKXX	
			125 30.80									31.35	31.31				
24	LB08	132	48 25.39	2109	26	134	2112	/				10.96	10.81	1019.6	2117	.15 .25 KKXX	
			125 28.71									31.532	31.49				
24	LB09	149	48 21.94	2146	27	151	2150	/				12.83	12.51	1019.7	2157	KKXX	
			125 34.91									31.192	31.15				
24	LB10	151	48 18.64	2227	28	154	2230	/				12.58	12.63	1020.0	2237	KKXX	
			125 41.49									31.29	31.26				
24	LB11	210	48 15.13	2310	29	212	2312	/				12.57	12.94	1020.2	2320	KKXX	
			125 47.91									31.35	31.24				
24	LB12	515	48 12.83	2342	30	512	2345	/	-			12.73	13.21	1020.3	2400	+.1 in air KKXX	
			125 52.06									31.32	31.29				
MAY 25	LB13	940	48 10.60	0020	31	923	0025	/	-	31		13.35	13.40	1020.2		CALIBRATION KKXX	
			125 56.12									31.396	31.38				
25	LC B6	355	48 22.80	0215	32	345	0218	/	-			13.68	13.66	1020.2		PLANKTON HAUL. KKXX	
			126 03.93									31.44	31.40				
25	LC B5	115	48 28.22	0351	33	117	0352	/	-			13.03	12.88	1020.5		+.12 air KKXX	
			125 49.80									31.146	31.08				
25	LC B4	76	48 31.87	0454	34	78	0456	/	-			13.13	13.15	1020.8		BONGO KKXX	
			125 35.48									31.062	31.01				

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files 31 to 38 had wrong date. Files edited using &
to correct date. Modified DCTD-V9 program to get
date from system clock.

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SHIP			CRUISE 89-50						TIME ZONE UTC			PAGE 4 OF			
DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE & LONGITUDE	TIME SHIP STOPS	STD - CONSEC. NO. & DEPTH (m)	STD START TIME	HYDRO - CONSEC. NO. & DEPTH (m)	MESSENGER TIME	HYDRO SALINITY NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
May 25	LCB3	118	48 34.45	0546	35	128	0548	✓			13.13				BONHO
		125 30.02	31.056										KKXX		
25	LCB2	105	48 41.03	0655	36	109	0656	✓			12.27				
		125 27.05	31.18										KKXX		
25	LCB1	99	48 44.87	0736	37	100	0739	✓			12.71			0744	
		125 22.17	31.24												
25	LC01	92	48 50.35	0820	38	94	0824	✓			11.82			0830	
		125 27.50	31.46												
25	LC02	107	48 48.86	0851	39	109	0854	✓			11.60			0901	
		125 30.86	31.45												
25	LC03	133	48 46.96	0919	40	135	0922	✓			10.49			0928	
		125 34.31	31.70												
25	LC04	165	48 43.50	1000	41	1004	1004	✓			12.91			1012	
		125 40.84	31.143												
25	LC05	61	48 39.92	1042	42	66	1045	✓			12.95				
		125 47.41	31.188												
25	LC06	90	48 36.33	11:40	43	87	11:45	✓			12.31				PLANKTON
		125 54.31	31.174										HAUL		
25	LC07	125	48.32 92	12:35	44	125	1237	✓			12.42				
		126.00 56	31.42												
25	LC08	200	48 29.37	13:15	45	200	13:18	✓			12.44				PLANKTON
		126 07.28	31.28										HAUL		
25	LC09	612	48 25.97	1621	46	618	1625				13.00				
		126 13.65	31.467										KKXX		

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949

0715	1514	2.597	34519
0730	1517	2.598	34524
0745	1516	2.597	34524
0800	1517	2.598	34523
0815	1518	2.598	34.523
0830	1519	2.597	34.518
0900	1519	2.595	34.521

Muskin bottle

1515 2.60

6414	13898	6566
20.0 2.91	20.0 2.91	20.0 17.15
20.0 2.91	20.0 2.91	20.0 17.15

new belt put on sounder

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SHIP			CRUISE 89-50										TIME ZONE			PAGE 5 OF		
DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE & LONGITUDE	TIME SHIP STOPS	STD - CONSEC. NO.	& DEPTH (m)	STD START TIME	HYDRO - CONSEC. NO.	HYDRO - CONSEC. NO.	HYDRO - CONSEC. NO.	HYDRO - CONSEC. NO.	HYDRO SALINITY NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
May 25	LC10	1250	48 22.38	1736	47	1254	1738							12.98			1807	Bongo
			126 20.23											31.495				KKxx
25	LC11	1455	48 19.02	1838	48	1515	1840							12.97			1922	KKxx
			126 26.66											31.488				Calibration Sample
25	LC12	2540	48 14.98	2013	49	1504	2018	2040	49					12.62				KKxx
			126 40.01											31.207				KKxx
May 26	LD01	40	49 00.09	0600	50	39	0603							11.74			0608	KKxx
			125 44.23											31.27				Bongo
26	LD02	40	48 58.30	0629	51	29	0631							12.11			0648	KKxx
			126 46.88											31.231				KKxx
26	LD03	43	48 56.69	0726	52	47	0731							11.89			0736	KKxx
			125 50.25											31.262				KKxx
26	LD04	59	48 53.19	0832	53	60	0835							12.00				Bongo
			125 56.79											31.303				KKxx
26	LD05	85	48 49.63	0942	54	87	0947							12.34			0953	KKxx
			126 03.45											31.01				KKxx
	LD06	133	48 46.28	1026	55	131	1030							11.91			1037	KKxx
			126 10.15											30.994				KKxx
	LD07	420	48 42.56	11:17	56	394	11:17						12:26	11.97			11:30	Probe 1m off bottom
			126 16.76											31.183				31.093
26	LD08	780	48 39.25	12:01	57	779	12:04							12.05				KKxx
			126 23.53											31.048				KKxx
26	LD09	1080	48 35.70	13:00	58	1064	13:00							12.53				KKxx
			126 30.12											31.366				KKxx

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Mess Time: 16:01 UTC

<u>DEAR</u>	<u>TEMP</u>	<u>COND</u>	<u>SAL</u>
1500.6	2.664	.73695	34.513
1499.2	2.665	.73688	34.513
1497.6	2.666	.73693	34.514
1496.2	2.663	.73685	34.513
1495.1	2.666	.73683	34.512

Sal sample #60

Maskin 1491 2.66

6414	13898	6566
20.8 2.99	20.7 2.98	20.3 17.00
20.8 2.99	20.8 2.98	20.3 17.00

Volume backup CTDS 49-69 4,457,108 bytes 96 retries
backup redone on new tape.

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SHIP		PARIZEAN		CRUISE						8950		TIME ZONE		UTC		PAGE 6 OF	
DATE	STATION ID	DEPTH SOUNDING (m)	LATITUDE	LONGITUDE	TIME SHIP STOPS	STD - CONSEC. NO. & DEPTH (m)	STD START TIME	HYDRO-CONSEC. NO. & DEPTH (m)	MESSENGER TIME	HYDRO SALINITY NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES	
MAY 26	LD 10	1500	48 32.22	1358	59	1409						12.72				KKXX	
			126 36.79									31.437					
26	LD 11	1600	48 28.80	1529	60	1603	1532	960	1601	60		12.676		1623	CALIBRATION CTD WIRE BOTTLE KK		
			126 43.00									31.561					
26	LE 09	1460	48 36.02	1700	61	1458	1701					12.65		1735	KKXX		
			126 44.04									31.545					
26	LE 08	1305	48 40.30	1805	62	1299	1808					11.96		1839	14A KKXX		
			126 37.96									31.060					
26	LE07	515	48 44.09		63	524	1908					12.25		1926	KKXX		
			126 32.14									31.246					
26	LE06	210	48 48.43	1954	64	211	1957					12.06		2005	KKXX		
			126 26.56									31.282					
26	LE05	154	48 52.80	2036	65	154	2040					11.96		2046	KKXX		
			126 20.63									31.266					
26	LE04	117	48 56.57	2113	66	118	2117					12.66		2122	KKXX		
			126 15.34									31.083					
26	LE03	76	49 00.64	2147	67	82	2153					12.34			touched bottom		
			126 10.74									31.175					
26	LE02	53	49 04.31	2225	68	58	2229					12.67		2232			
			126 04.68									31.160					
26	LE01	41	49 07.03	2250	69	47	2255					12.25			Volume Backup 49-69		
			126 01.14									31.19					
27				0630	anchor near Beamfield												

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