

SHIP <u>PARIZEAU</u>		CRUISE <u>88-12</u>										TIME ZONE <u>GMT</u>		PAGE / OF <u>10</u>	
DATE GMT	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
88/7/15	LB01	32	48 40.4 124 59.48	0855	1	30	0857	1 20	0904	1001 1003	11.015 31.745	1		0910	
88/7/15	LB02	53	48 39.0 125 02.4	0926	2	50	0928	2 50	0937	1004 1011	11.094 31.858	2		0947	
15/7/88	LB03	89	48 37.32 125 05.58	1000	3	85	1002				11.229 31.819			1006	
15/7/88	LB04	105	48 37.32 ? 125 05.58 ?	1021	4	101	1023	3 100	1038	1014 1022	9.932 32.099			1050	
88/7/15	LB05	100	48 34.0 125 12.0	1105	5	100	1108				10.756 32.177			1113	
88/7/15	LB06	110	48 32.18 N 125 15.51	1137	6	110	1138	4 100	1150	1023 1030	10.745 31.984			1155	
88/7/15	LB07	150	48 28.68 125 22.1	1228	7	152	1230				11.849 31.576			1236	
88/7/15	LB08	125	48 25.35 125 28.56	1312	8	127	1315	5 120	1331	1031 1039	12.014 31.713			1345	
88/7/15	LB09	143	48 22.0 125 34.8	1412	9	144	1413	6 125	1427	1041 1048	14.509 31.710				
88/7/15	LB10	147	48 18.57 125 41.35	1505	10	149	1508				14.629 31.778	3		1515	
88/7/15	LB11	203	48 15.2 125 47.75	1535	11	205	1557	7 200	1619	1049 1059	14.485 31.966	4		1626	
88/7/15	LB12	505	48 12.92 125 51.9	1650	12	506	1652	8 500	1729	697 1085	15.171 32.084			1746	

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88/7/15	LB13	885	48 10.6	1811	13	887	1813	15.001		1840			
			125 56.12					32.025					
88/7/15	LA10	905	47 59.02	2010	14	900	2014	15.343		2035			
			125 43.4					32.009					
15/7/88	LA09	322	48 02.36	2119	15	322	2120	15.952		2129			
			125 36.92					31.912					
15/7/88	LA08	135	48 05.78	2203	16	133	2206	9 125	2223	1001 1011	15.203 31.918	2235	
			125 30.40										
88/7/15	LA07	108	48 09.2 N	2301	17	111.7	2304	14.627		2309			
			125 23.9 W					31.835					
88/7/16	LA06		48° 12.6 N	0219	18	111	0221	10 100	0236	1016 1023	13.037 31.476		
			125° 17.2 W										
88/7/16	LA05	115	48 16.08	0319	19	117	0321	11.793		0326			
			125 10.6					32.523					
88/7/16	LA04	192	48 19.36	0404	20	194	0406	11 175	0424	1025 1034	12.095 32.388	0434	
			125 4.12										
88/7/16	LA03	107	48 22.84	0507	21	109	0510	10.646		0516			
			124 57.72					32.271					
88/7/16	LA02	296	48 26.25	0553	22	296	0555	12 250	0621	1038 1049	12.620 31.695	0632	
			124 51.32										
88/7/16	LA01	258	48 29.23	0714	23	256	0716	13 250	0743	697 1059	9.880 31.871	0800	
			124 43.65										
88/7/18	LC11	1405	48 18.95	0440	24	1399	0444	14 1300	0558	1001 1027	15.262 32.095	5 0627	FIRST CAST WITH TRANSMISSOMETER FAILURE AT 1900H PMK 2/8
			126 26.70										

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<u>88/7/18</u>	<u>LC10</u>	<u>1228</u>	<u>48 22.4</u> <u>26 20.2</u>	<u>0708</u>	<u>25</u>	<u>1220</u>	<u>0709</u>	<u>15.002</u> <u>31.945</u>	<u>6</u>		<u>0740</u>	
<u>18/7/88</u>	<u>LC09</u>	<u>610</u>	<u>48 25.94</u> <u>126 13.70</u>	<u>0820</u>	<u>26</u>	<u>600</u>	<u>0822</u>	<u>15</u> <u>600</u>	<u>0900</u>	<u>1028</u> <u>1044</u>	<u>15.088</u> <u>31.952</u>	<u>0920</u>
<u>18/7/88</u>	<u>LC08</u>	<u>190</u>	<u>48 29.45</u> <u>126 07.10</u>	<u>1001</u>	<u>27</u>	<u>180</u>	<u>1007</u>	<u>16</u> <u>175</u>	<u>1030</u>	<u>1045</u> <u>1052</u>	<u>14.684</u> <u>31.848</u>	<u>7</u> <u>1035</u>
<u>18/7/88</u>	<u>LC07</u>	<u>124</u>	<u>48 32.96</u> <u>126 00.50</u>	<u>1109</u>	<u>28</u>	<u>125</u>	<u>1111</u>	<u>17</u> <u>125</u>	<u>1131</u>	<u>1053</u> <u>699</u>	<u>14.689</u> <u>31.565</u>	<u>8</u> <u>1134</u>
<u>18/7/88</u>	<u>LC06</u>	<u>90</u>	<u>48 36.37</u> <u>125 54.18</u>	<u>1216</u>	<u>29</u>	<u>90</u>	<u>1222</u>			<u>13694</u> <u>31.768</u>	<u>9</u>	<u>1226</u>
<u>18/7/88</u>	<u>LC05</u>	<u>60</u>	<u>48 39.89</u> <u>125 47.40</u>	<u>1300</u>	<u>30</u>	<u>56</u>	<u>1304</u>			<u>13.927</u> <u>31.658</u>	<u>10</u>	<u>1308</u>
<u>18/7/88</u>	<u>LC04</u>	<u>160</u>	<u>48 43.30</u> <u>125 41.07</u>	<u>1343</u>	<u>31</u>	<u>160</u>	<u>1346</u>	<u>18</u> <u>150</u>	<u>1403</u>	<u>705</u> <u>1005</u>	<u>13.639</u> <u>31.498</u>	<u>1410</u>
<u>18/7/88</u>	<u>LC03</u>	<u>125</u>	<u>48 46.87</u> <u>125 34.35</u>	<u>1445</u>	<u>32</u>	<u>122</u>	<u>1447</u>			<u>13.171</u> <u>31.325</u>	<u>11</u>	<u>1453</u>
<u>88/7/18</u>	<u>LC02</u>	<u>103</u>	<u>48 48.68</u> <u>125 30.95</u>	<u>1520</u>	<u>33</u>	<u>104</u>	<u>1524</u>	<u>19</u> <u>100</u>	<u>1537</u>	<u>1066</u> <u>1073</u>	<u>12.558</u> <u>31.510</u>	<u>12</u> <u>1544</u>
<u>88/7/18</u>	<u>LC01</u>	<u>89</u>	<u>48 50.44</u> <u>125 27.73</u>	<u>1602</u>	<u>34</u>	<u>91</u>	<u>1605</u>			<u>12.166</u> <u>31.412</u>	<u>13</u>	<u>1608</u>
<u>88/7/18</u>	<u>LC07</u>	<u>502</u>	<u>48 33.32</u> <u>126 13.70</u>	<u>2309</u>	<u>35</u>	<u>501</u>	<u>2313</u>			<u>14753</u> <u>31.900</u>	<u>14</u>	<u>2328</u>
<u>88/7/19</u>	<u>LD09</u>	<u>1075</u>	<u>48 35.69</u> <u>126 30.00</u>	<u>0237</u>	<u>36</u>	<u>1016</u>	<u>0238</u>	<u>20</u> <u>1000</u>	<u>0335</u>	<u>1001</u> <u>1026</u>	<u>15.353</u> <u>31.963</u>	<u>15</u> <u>0357</u>

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88/7/19	LD08	765	48 39.17	0436 37	766	0441	21	0528		1027	14.942	16		0548		
			126 23.40				600			1079	31.946					
88/7/19	LD07	433	48 42.67	0627 38	435	0632	/			/	14.417	17		0651		
			126 16.8				/			31.957						
88/7/19	LD06	132	48 46.18	0732 39	131	0737	22	0758		1080	14.521	18		0805		
			126 10.2				125			1090	31.683					
19/7/88	LD5A	105	48 47.9	0820 40	105	0825					15.123	19		0828		
			126 06.8							31.696						
19/7/88	LD05	86	48 49.65	0846 41	86	0851					15.056	20		0858		
			126 03.60							31.676						
19/7/88	LD4A	70	48 51.45	0920 42	70	0924					15.049	21		0926		
			126 00.3							31.601						
19/7/88	LD04	60	48 53.16	0945 43	60	0948	23	0953		1038	14.287	22		1000		
			125 57.00				50			1042	31.715					
19/7/88	LD03	42	48 56.61	1038 44	43	1041					13.560	23		1042		
			125 50.40							31.800						
19/7/88	LD02	42	48 58.35	1108 45	41	1111	24			1043	13.004	24		1126		
			125 47.05				35			1047	31.850					
19/7/88	LD01	37	49 00.10	1150 46	35	1152	25			1048	12.373	25		12:15		SAT ON STATION AFT Hydro CAST
			125 44.80				35			698	31.827					
19 Jul 88	XY06	69	48 50.32	1417 47	70	1421					14.123	26		1424		
			125 56.70							31.697						
19 Jul 88	XY05	70	48 50.06	1438 48	70	1441					14.582	27		1445		CTD PROBABLY TOUCHED BOTTOM AT 70m PMK-2/85
			125 58.63							31.681						

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<i>19 Jul 88</i>	<i>X404</i>	<i>76</i>	<i>48 49.48</i>	<i>1500 49</i>	<i>76</i>	<i>1504</i>					<i>14.853</i>	<i>28</i>			<i>1509</i>	
			<i>126 01.73</i>							<i>31.623</i>						
<i>88/7/19</i>	<i>X403</i>	<i>87</i>	<i>48 48.79</i>	<i>1522 50</i>	<i>88</i>	<i>1526</i>					<i>15.154</i>	<i>29</i>			<i>1529</i>	
			<i>126 04.23</i>							<i>31.569</i>						
<i>88/7/19</i>	<i>X402</i>	<i>102</i>	<i>48 48.35</i>	<i>1548 51</i>	<i>103</i>	<i>1552</i>					<i>14.899</i>	<i>30</i>			<i>1555</i>	
			<i>126 06.78</i>							<i>31.668</i>						
<i>88/7/19</i>	<i>X401</i>	<i>120</i>	<i>48 47.81</i>	<i>1609 52</i>	<i>121</i>	<i>1613</i>					<i>14.972</i>	<i>31</i>			<i>1627</i>	
			<i>126 09.36</i>							<i>31.570</i>						
<i>88/7/19</i>	<i>X407</i>	<i>121</i>	<i>48 50.25</i>	<i>1647 53</i>	<i>121</i>	<i>1653</i>					<i>15.072</i>	<i>32</i>			<i>1658</i>	
			<i>126 11.45</i>							<i>31.561</i>						
<i>88/7/19</i>	<i>X408</i>	<i>105</i>	<i>48 50.71</i>	<i>1713 54</i>	<i>106</i>	<i>1717</i>					<i>15.126</i>	<i>33</i>			<i>1722</i>	
			<i>126 08.85</i>							<i>31.583</i>						
<i>88/7/19</i>	<i>X409</i>	<i>88</i>	<i>48 51.30</i>	<i>1738 55</i>	<i>89</i>	<i>1743</i>					<i>15.354</i>	<i>34</i>			<i>1748</i>	
			<i>126 06.28</i>							<i>31.637</i>						
<i>88/7/19</i>	<i>X410</i>	<i>78</i>	<i>48 51.79</i>	<i>1803 56</i>	<i>79</i>	<i>1806</i>					<i>15.150</i>	<i>35</i>			<i>1811</i>	
			<i>126 03.73</i>							<i>31.584</i>						
<i>88/7/19</i>	<i>X411</i>	<i>68</i>	<i>48 52.29</i>	<i>1824 57</i>	<i>69</i>	<i>1828</i>					<i>14.608</i>	<i>36</i>			<i>1831</i>	
			<i>126 01.21</i>							<i>31.671</i>						
<i>88/7/19</i>	<i>X412</i>	<i>65</i>	<i>48 52.77</i>	<i>1843 58</i>	<i>66</i>	<i>1847</i>					<i>14.054</i>	<i>37</i>			<i>1849</i>	
			<i>125 58.62</i>							<i>31.726</i>						
<i>88/7/19</i>	<i>X419</i>	<i>57</i>	<i>48 55.61</i>	<i>59</i>	<i>51</i>	<i>1910</i>	<i>26</i>	<i>1922</i>	<i>712</i>	<i>14.688</i>	<i>38</i>			<i>1926</i>		
			<i>125 58.32</i>				<i>50</i>		<i>1083</i>	<i>31.141</i>						
<i>88/7/19</i>	<i>X418</i>	<i>63</i>	<i>48 55.14</i>	<i>1940 60</i>	<i>63</i>	<i>1946</i>	<i>29</i>	<i>1954</i>	<i>718</i>	<i>14.929</i>	<i>39</i>					
			<i>126 00.76</i>				<i>50</i>		<i>1084</i>	<i>31.626</i>						

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88/7/19	X/17	75m	48 54.69N 126 03.09W	2012	61 73 2015	28 70	2024	720 730	—	—									
88/7/19	X/16		48 54.17 126 05.62	2041	62 80 2046	29 75	2053	734 1084	15.82	40				2056					
19/7/88	X/15	92	48 53.64 126 08.26	2110	63 92 2114	30 75		1062 1067	15.407	41				2128					
88/7/19	X/14		48 53.29N 126 10.82W	2221	64 110 2224	31 100		1068 1075	16.306	42									
88/7/19	X/13	120	48 52.64 126 13.19	2300	65 120 2302	32 110	2315	1076 1086	15.651	43				2320					
19 Jul 88	X/20	120	48 54.77 126 15.18	2341	66 120 2342	/			15.139	44				2347					
88/7/20	X/21	110	48 55.57 126 12.86	0003	67 110 0006	/			15.675	45				0010					
88/7/20	X/22	99	48 56.05 126 10.40	0022	68 100 0025	/			15.756	46				0030	LAST READING ON BOTTOM				
88/7/20	X/23	83	48 56.72 126 08.23	0043	69 81 0048	/			15.550					0052					
88/7/20	X/24	75	48 56.92 126 05.73	0108	70 70 0109	/			12.712	48									
88/7/20	X/24	75	48 56.92 126 05.73	0108	70 70 0114	/			31.961										
88/7/20	X/24	75	48 56.92 126 05.73	0108	70 70 0114	/			15.527					0118	REPEAT LAST				
88/7/20	X/25	62	48 57.37 126 03.19	0131	71 60 0132	/			15.761	49				0138					

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88/7/20	X431	57	48 59.75 126 01.76	0156	72	60	0159				14.731 31.717	50		0202	
88/7/20	X430	N/A	48 59.41 126 07.17	0215	73	70	0216				15.825 31.575	51		0222	Sounder down IN MAN LAB
88/7/20	X429	✓	48 58.92 126 09.74	0236	74	80	0237				15.788 31.63	52		0241	Sounder still down
88/7/20	X428	97	48 58.45 126 12.16	0253	75	96	0255				15.57 31.34	53		0300	Sounder back in Service
88/7/20	X427	112	48 58.03 126 14.85	0315	76	113	0319				15.936 31.491	54		0325	
88/7/20	X426	121	48 57.62 126 17.25	0341	77	122	0345				15.732 31.493	55		0350	
88/7/20	LF04	121	49 59 126 27.5	0502	78	122	0508	33 100	0522	1001 1010	15.927 31.670	56		0529	
88/7/20	LF03	81	49 9.6 126 21.9	0604	79	82	0606	34 75	0621	1011 1019	14.991 31.336	57		0628	
88/7/20	LF02	46	49 13.2 126 16.5	0704	80	46	0708				13.578 31.182	58		0710	
20/7/88	LG01	48	49 20.5 126 35.0	0848	81	48	0851	35 45	0859	1020 1026	13.830 31.841	59		0906	
20/7/88	LG1A	65	49 19.97 126 36.49	0920	82	65	0922				15.586 31.660	60		0925	
20/7/88	LG02	96	49 18.70 126 38.00	0945	83	97	0947	36 75	0955	1027 1032	14.717 31.700	61		1000	

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DATE GMT	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	
20/7/88	LG2A	110	49 16.87	1023	84	110	1026	14.591	62	1029		
		126 40.99	31.784									
20/7/88	LG03	118	49 15.0	1045	85	118	1048	14.611	63	1052		
		126 43.70	31.772									
20/7/88	LG04	135	49 11.30	1125	86	130	1026	1033 1041	14.150	64	1147	WIND SPEED INCREASED TO GALE FORCE NNE During Cast
		126 49.40	125					1141	32.063			
20/7/88	LG05	248	49 07.40	1221	87	231	1222	14.333	65	1230		
		126 55.30	32.147									
20/7/88	LG06	940	49 03.50	1314	88	931	1316	1042 1059	14.274	66	1432	WIND STG NWLY
		127 01.20	900					1411	32.205			
88/7/20	LF07	680	48 54.1	1607	89	682	1613	14.323	67	1634		
		126 44.8	31.975									
88/7/20	LF06	397	48 58.1	1715	90	397	1720	13.784	68	1732		
		126 38.9	32.026									
88/7/20	LE06	200	48 48.5	1851	91	202	1854	13.519	69	1901	HYDRO CANCELLED	
		126 26.3	32.018									
88/7/21	YZ08	110	48 32.45	0246	92	100	0250	10.531	70		WIND STG NWLY	
		12 5 13.38	31.865									
88/7/21	YZ09	104	48 33.09	0313	93	106	0317	10.795	71	0322		
		125 10.90	31.856									
88/7/21	YZ10	99	48 33.69	0337	94	99	0341	11.073	72	0345		
		125 08.54	31.827									
88/7/21	YZ11	103	48 34.32	0403	95	105	0407	11.566	73	0412		
		125 06.07	31.806									

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DAILY LOG

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SHIP <u>PARIZEAU</u>			CRUISE <u>8812</u>						TIME ZONE <u>GMT</u>			PAGE <u>9</u> OF <u>10</u>					
GMT	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 NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
88/7/21	Y212	83	48 34.86	0424	96	84 0433					11.519	74			0439		
			125 03.85								31.786						
88/7/21	Y213	68	48 35.47	0457	97	71 0501					11.769	75			0506		
			125 01.54								31.736						
88/7/21	Y214	59	48 36.09	0526	98	59 0530					11.539	76			0611		
			124 59.17								31.740						
88/7/21	Y222	66	48 34.92	0648	99	68 0653					11.798	77			0656		
			124 54.41								31.666						
88/7/21	Y221	58	48 34.36	0708	100	59 0714					12.005	78			0712		
			124 57.07								31.626						
21/7/88	Y220	47	48 33.69	0727	101	48 0745					11.862	79			0746		
			124 58.52								31.685						
21/7/88	Y219	43	48 33.02	0758	102	43 0802					11.815	80			0803		
			125 00.86								31.717						
21/7/88	Y218	81	48 32.50	0815	103	82 0817					11.900	81			0820		
			125 03.14								31.687						
21/7/88	Y217	87	48 31.84	0831	104	75 0834					11.853	82			0836		Depth Sounding
			125 05.48								31.709						
21/7/88	Y216	87	48 31.19	0846	105	65 0850					11.892	82	83		0852		error
			125 07.75								31.720						
21/7/88	Y215	87	48 30.54	0902	106	75 0905					11.901	83	84		0908		
			125 10.15								31.731						
21/7/88	Y223	86	48 28.64	0936	107	97 0939					11.948	84	85		0942		↓
			125 07.76								31.753						

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OCEAN PHYSICS

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SHIP		CRUISE		TIME ZONE		PAGE										
PAR 128 AU		5812		UTC		10 OF 10										
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
21/7/88	Y224	48 29.19	0958	108	95	1000				11.543	86			1003		Depth Sounding
		125 05.50								31.813						
21/7/88	Y225	48 29.96	1019	109	80	1021				11.547	87			1023		Error
		125 03.19								31.816						
21/7/88	Y226	48 30.66	1044	110	71	1047				11.304	88			1050		
		125 00.63								31.844						
21/7/88	Y227	48 31.17	1100	111	30	1103				11.296	89			1108		
		124 58.95								31.843						
21/7/88	Y228	48 31.80	1124	112	60	1126				11.841	90			1131		
		124 56.53								31.778						
21/7/88	Y229	48 32.46	1154	113	71	1156				11.509	91			1200		
		124 54.04								31.829						
88/7/21 2300 ARR. LOS. Fin																

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