

SHIP <i>Paragon</i>		CRUISE 88-01								TIME ZONE GMT			PAGE 1 OF 9		
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.	TEMPERATURE INTAKE	TIME SHIP PROCEEDS	NOTES
MAY 2	JF1	48°16.0	/	/	/	/	/	/	/	1	1	/	/	2005	/
		123°30.0													
2	JF2	48°18.0	/	/	/	/	/	/	/	2	2	/	/	2148	/
		124°00.0													
3	JF03	48 27.08	/	/	/	/	/	/	/	3	3	/	/	0013	/
		124 30.07													
3	JF04	48 32.41	/	/	/	/	/	/	/	4	4	/	/	0224	/
		125 00.43													
3	MP01 128	48 34.37	0414	1	127 0421	/	/	/	/	951	5	5	0427	/	/
		125 29.97								31522					
3	MP02 105	48 35.84	0628	2	115 0635	/	/	/	/	9991	6	6	0639	/	/
		126 00.12								31886					
3	MP03 792	48 36.57	0805	3	791.7 0849	/	/	/	/	9960	7	7	0919	/	/
		126 20.02								31987					
3	MP04 1300	48 29.36	215A	4	1320 2201	1 2118	1 20	1001 1025	/	9922	8	8	2349	mess. 1418 hrs	/
		126 40.03								32.005	2123	26			
4	MP05 2046	48 41.98	0158	5	2093 0206	/	/	/	/	9800	9	27	0310	/	/
		127 10.66								31798					
4	MP06 2500	48 44.6	0509	6	2002 0517	/	/	/	/	928	10	28	0638	Bottle cast cancelled	/
		127 40.0								32546					
4	MP07 2450	48 46.52	0845	7	2002 0852	/	/	/	/	9.078	11	29	0955	/	/
		128 09.89								32.556					
4	MP08 2484	48 48.81	1204	8	2004 1214	/	/	/	/	8.807	12	30	1317	/	/
		128 40.65								32.569					

PMK-2/85

SHIP <i>Paragon</i>		CRUISE <i>88-01</i>						TIME ZONE <i>UTC</i>			PAGE 2 OF <i>9</i>				
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
<i>MAY 4</i>	<i>MP09</i>	<i>2340</i>	<i>48°51.4</i>	<i>1551</i>	<i>9</i>	<i>2001</i>	<i>1553</i>				<i>8.741</i>	<i>13</i>		<i>1700</i>	
			<i>129°10.0</i>								<i>32.605</i>				
<i>MAY 4</i>	<i>P10</i>	<i>2660</i>	<i>48 53.88</i>	<i>1939</i>	<i>10</i>	<i>2001</i>	<i>1949</i>				<i>8.950</i>	<i>14</i>		<i>2100</i>	<i>Large wire angles -</i>
			<i>129 40.31</i>								<i>32.549</i>				
<i>4</i>	<i>MP11</i>	<i>2715</i>	<i>48 56.26</i>	<i>2325</i>	<i>11</i>	<i>2012</i>	<i>2328</i>				<i>8.941</i>	<i>15</i>			
			<i>130 10.82</i>								<i>32.541</i>				
<i>5</i>	<i>MP12</i>	<i>3300</i>	<i>48 58.00</i>	<i>0233</i>	<i>12</i>	<i>2000.0</i>	<i>0240</i>				<i>8.476</i>	<i>16</i>		<i>0340</i>	
			<i>130 40.09</i>								<i>32.588</i>				
<i>5</i>	<i>MP13</i>	<i>2875</i>	<i>49 02.02</i>	<i>0852</i>	<i>13</i>	<i>2000.3</i>	<i>0938</i>				<i>8.400</i>	<i>17</i>		<i>1038</i>	<i>- printer stopped logging OK?</i>
			<i>131 40.20</i>								<i>32.617</i>				
<i>5</i>	<i>MP14</i>	<i>3275</i>	<i>49 07.28</i>	<i>1452</i>	<i>14</i>	<i>2001.3</i>	<i>1459</i>				<i>8.243</i>	<i>18</i>		<i>1559</i>	
			<i>132 40.56</i>								<i>32.618</i>				
<i>5</i>	<i>MP15</i>	<i>3200</i>	<i>49 12.00N</i>	<i>2010</i>	<i>15</i>	<i>2000.3</i>	<i>2014</i>				<i>7.815</i>	<i>19</i>		<i>2114</i>	
			<i>133 40.0W</i>								<i>32.611</i>				
<i>6</i>	<i>MP16</i>	<i>3570</i>	<i>49 17.19</i>	<i>0132</i>	<i>16</i>	<i>2007</i>	<i>0138</i>	<i>2 0313 21 1001</i>			<i>7.851</i>	<i>20</i>		<i>0515</i>	
			<i>134 40.31</i>					<i>3550 0421 45 1031</i>			<i>32.591</i>				
<i>6</i>	<i>MP17</i>	<i>3200</i>	<i>49 21.0</i>	<i>0913</i>	<i>17</i>	<i>2000.8</i>	<i>0917</i>				<i>7.596</i>	<i>21</i>		<i>1020</i>	
			<i>135 40.0</i>								<i>32.647</i>				
<i>6</i>	<i>MP18</i>	<i>3775</i>	<i>49 26.16</i>	<i>1431</i>	<i>18</i>	<i>2005</i>	<i>1437</i>	<i>3 1622 46 1032</i>			<i>7.471</i>	<i>22</i>		<i>1845</i>	
			<i>136 40.34</i>					<i>3700 1745 70 1062</i>			<i>32.608</i>				
<i>6</i>	<i>MP19</i>	<i>3850</i>	<i>49 30.0</i>	<i>2227</i>	<i>19</i>	<i>2003</i>	<i>2234</i>				<i>7.594</i>	<i>23</i>		<i>2335</i>	
			<i>137 40.0</i>								<i>32.763</i>				
<i>7</i>	<i>MP20</i>	<i>3890</i>	<i>49 34.0</i>	<i>0354</i>	<i>20</i>	<i>2000.8</i>	<i>0356</i>				<i>7.130</i>	<i>24</i>		<i>0455</i>	
			<i>138 40.0</i>								<i>32.815</i>				

PMK

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP <i>PARIZEAN</i>			CRUISE <i>88-01</i>						TIME ZONE <i>UTC</i>			PAGE <i>3</i> OF <i>9</i>			
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. & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE TEMPERATURE NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
<i>MAY 7</i>	<i>MP21</i>	<i>3840</i>	<i>49 37.0</i>	<i>0856 21</i>	<i>2000.6 0904</i>					<i>6.838</i>	<i>25</i>		<i>1004</i>		
		<i>138 40.0</i>	<i>49 41.59</i>							<i>32.787</i>					
<i>7</i>	<i>MP22</i>	<i>3880</i>	<i>140 41.14</i>	<i>1413 22</i>	<i>2002.0 1420</i>					<i>6.778</i>	<i>26</i>		<i>1520</i>		<i>horan not tracking well</i>
		<i>49 42.13</i>	<i>142 41.41</i>							<i>32.773</i>					
<i>7</i>	<i>MP23</i>	<i>3970</i>	<i>142 41.41</i>	<i>1912 23</i>	<i>2000.6 1939</i>					<i>6.343</i>			<i>2045</i>		<i>delay - problem with horan</i>
		<i>49 49.44</i>	<i>142 39.16</i>							<i>32.753</i>					
<i>8</i>	<i>MP24</i>	<i>3910</i>	<i>142 39.16</i>	<i>0202 24</i>	<i>2006 0208</i>					<i>6.458</i>	<i>28</i>				
		<i>50.000.0</i>	<i>143 36.3</i>							<i>32.776</i>					
<i>8</i>	<i>MP25</i>	<i>3890</i>	<i>143 36.3</i>	<i>0700 25</i>	<i>2000.9 0704</i>					<i>6.330</i>	<i>29</i>		<i>0810</i>		
		<i>50 00.19</i>	<i>144 17.12</i>							<i>32.825</i>					
<i>8</i>	<i>35</i>	<i>4170</i>	<i>144 17.12</i>	<i>1125 26</i>	<i>1531 1131</i>					<i>6.095</i>	<i>30</i>				
		<i>50 00.0</i>	<i>145 00.0</i>							<i>32.790</i>					
<i>8</i>	<i>P26</i>	<i>4200</i>	<i>145 00.0</i>	<i>1935 27</i>	<i>2001.9 1939</i>					<i>5.635</i>	<i>31</i>		<i>2035</i>		<i>CTD salinity too high.</i>
		<i>50 00.0</i>	<i>145.00.0</i>							<i>33.067</i>					
<i>8</i>	<i>P26</i>	<i>4200</i>	<i>50 00.0</i>	<i>2100</i>											<i>1st HYDRO CAST -</i>
		<i>145.00.0</i>	<i>4</i>							<i>2150</i>					
<i>MAY 9</i>	<i>P26</i>	<i>4200</i>	<i>145 00.42</i>	<i>1500 28</i>	<i>1528</i>					<i>71</i>	<i>1001</i>				<i>CTD salinity too high</i>
		<i>50 01.9</i>	<i>4200</i>							<i>2312</i>					
<i>MAY 10</i>	<i>P26</i>	<i>4200</i>	<i>144 56.8</i>	<i>1515 29</i>	<i>1544</i>					<i>98</i>	<i>1704</i>				
		<i>50 02.36</i>	<i>144 54.84</i>							<i>124</i>	<i>1841</i>				
<i>10</i>	<i>P26</i>		<i>144 54.84</i>	<i>30</i>	<i>1716</i>					<i>5.763</i>					<i>CTD 53501</i>
			<i>5.817</i>							<i>33</i>	<i>32.926</i>				
<i>10</i>	<i>P26</i>									<i>5.817</i>	<i>33</i>				
			<i>32.757</i>												
<i>10</i>	<i>P26</i>														<i>Tritium cast</i>
			<i>6</i>							<i>1951</i>					

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP		CRUISE		TIME ZONE		PAGE										
Parizeau		88-01		UT-C		4 OF 9										
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	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
May 11	P41	4300	50 27.0	0525	31	2000	0528				5.788	34		0631	Two header lines = computer crash!	
			145 00.0								32.784					
	MP		50 54.0								5.601	35				
11	32	4300	145 00.0	0920	32	1990.9	0926				32.805		1026			
	MP		50 53.60								5.731	36				
11	49	4200	144 17.63	1340	33	2005	1343				32.758		1445			
			50 54.0								5.926	37				
11	P33	3800	143 34.5	1745	34	2001	1748				32.746		1848			
			50 55.7								6.098	38				
May 11	R20	3100	143 01.0	2113	35	2000.3	2115				32.730		2213			
			50 59.87								6.224	39				
May 12	R19	3780	142 19.85	0036	36	2010	0043				32.732		0144	Log not working,		
			50 59.6								6.306	40				
12	MR18	3800	141 39.3	0414	37	2000.5	0415				32.723		0519			
			51 02.0								6.883	41				
12	MR17	3800	140 56.0	0803	38	2000.10	0807				32.665		0906			
			51 03.15								6.964	42				
12	MR16	3800	140 13.24	1250	39	2005	1253				32.657		1354	Saturn		
			51 06.85								4.031	43				
13	MR15	2800	139 29.35	0659	40	2000.2	0708	1987.2m 1.92 @ 10 min 125			32.654		0828	saturn pos. calib bottle 15m above CTD		
			51 10.25								6.911	44				
13	MR14	1800	138 46.46	1111	41	1321	1122				32.583		1242	abort restart at 1000m as #941 Saturn position		
												45				
13	MR14				941	2008	1150						1240			

PMK-2/85

SHIP		CRUISE 88-01										TIME ZONE UTC		PAGE 5 OF 9	
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 13	MR13	3701	51 11.72 138 06.13	1521	42	2002	1526	7 3570	1707 1803	126 150	1001 1031			1900	Satnav pos
"	MR12	3600	51 13.0 137 23.0	2142	43	2001.5	2144					7.422 32.594	46	2241	
14	MR11	3565	51 15.26 136 40.13	0119	44	2003	0124					7.422 32.608	47	0224	1 seal sighted
14	MR10	3500	51 17.0 135 57.6	0503	45	2000.8	0504					7.787 32.549	48	0601	
MAY 14	MR09	3500	51 19.0 135 15.0	0831	46	2000.6	0836	8 3400	1026 1137	151 174	1038 1065	7.912 32.511	49	1228	5 TOP 0933 - seal @ hydro bio
14	MR08	3300	51 20.3 134 33.2	1509	47	2000.3	1509					8.478 32.420	50	1612	
14	MR07	3100	51 23.5 133 49.6	1856	48	2000.2	1858					8.725 32.396	51	2001	
14	MR06	2892	51 25.25 133 07.72	2301	49	2004	2310					8.931 32.395	52	0016	Large mine angle astern. Watch center 2334 m
May 15	MS05	2690	51 27.5 132 24.0	0320	50	2000.0	0321					9.043 32.490	53	0423	
15	MS04	2490	51 35.6 132 06.4	0535	51	2000.1	0537					7.064 32.432	54	0635	
15	MS03	2180	51 43.5 131 50.0	0751	52	2000.7	0756	9 2000	0946	145 195	697 724	8.824 32.219	—		
	MS2A	1982	51 47.59 131 40.47	1113	53	2024	1122					8.901 32.256	55 @ 1124	1222	

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP			CRUISE 88-01					TIME ZONE UTC				PAGE 6 OF 9			
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
15 May	MJ02	2125	51 51.57 131 31.94	1306	54 2006	1313	/		8.923 32.074	56 @ 1323			1413		Response slight.
15	MJ1A	1790	51 55.5 131 22.8	1515	55 1857	1517	/		8.841 32.311	57 @ 1515			1613		
15	MJ01	475	52 00.0 131 13.9	1654	56 537	1656	/		8.736 32.169	58 @ 1656			1713		
15	88		51 41.7 131 13.7	1930	-	-	/			59					Loop + xBT SAMPLES
15	I03		51 23.2 131 13.9	2153	/		/			60					Loop + xBT SAMPLES
16	89			0122	-		/			61 @ 0125					
16	H05			0400	-		/			62					Loop + xBT #32 Did not stop
16	G05	?	50 24.6 130 37.3	0657	57 1815.9	0710	/		9.100 32.381	63 @ 0713			0814		Touched Bottom
16	MF 05	1860	50 06.14 130 06.67	1128	58 1918.9	1133	/		9.410 32.253	64 @ 1130			1229		Loran
16	ME 05	2300	49 47.8 129 36.1	1524	59 2002.3	1527	/		9.198 32.367	65			1623		Loran
16	D06	2410	49 16.0 129 09.0	2051	60 2000.1	2053	/		9.166 32.388	66 @ 2059			2151		
17	MP 08	2440	48 49.0 128 40.0	0303	61 2001.8	0313	/		9.329 32.501	67 @ 0303					

PMK-2/85

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP			CRUISE 88-01						TIME ZONE UTC			PAGE 7 OF 9			
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 17	B07	2550	48 21.60	0743	62 2001.1 0749				9.588	68 @ 0754			0852		
		128 09.50	32.501												
"	B06	2510	48 31.60	1025	63 2002.3 1032				9.639	69 @ 1036			1135		Line played getting rings brought out near done made
		127 56.20	32.447												
	MB05	2505	48 41.91	1307	64 2010 1313				9.635	70 @ 1308			1419		loran
		127 42.81	32.476												
17	MB04	2250	48 51.8	1550	65 2000.7 1604				9.766	71 @ 1605			1700		
		127 29.2	32.204												
17	MB3A	2030	48 56.7	1752	66 2001.6 1755				9.818	72 @ 1755			1853		
		127 22.0	32.214												
17	M B03	1535	49 02.00	1947	67 1563 1949	10	2125	196	1001	9.666	73 @ 1951			2200	Hydro sta.
		127 15.20	1500			215	1026	32.406							
17	M B2A	1070	49 06.90	2246	68 1098 2249				9.629	74 @ 2325			2323		
		127 08.50	32.362												
18	MB 02	240	49 12.0	0013	69 236 0017				9.685	75 @ 0025			0026		
		127 01.7	32.303												
18	MB 1A	143	49 16.67	0107	70 148 0111				10.513	76 @ 0109			0117		loran
		126 54.40	31.887												
18	MB 01	108	49 22.18	0215	71 100 0225				10.685	77 @ 0222			0230		loran
		126 48.65	30.864												
18	M AB	100	49 11.0	0420	72 105.8 0426				10.513	78			0431		
		126 29.8	31.944												
18	MA00	52	49 08.0	0628	73 33.8 0629				11.416	79			0630		
		126 00.2	29.556												

PMK-2/8

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

SHIP		CRUISE						TIME ZONE				PAGE			
PARIZCAN		88-01						UTC				8 OF 9			
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 18	MA08	57	49 03.80	0708	74	52	0711				10.414	80	00716	0723	
			126 05.90								30.747				
" 18	MA01	82	49.00.00	0800	75	98.1	0804				10.602	81	00812	0817	
			126 11.70								31.704				
" 18	MA1B	128	48 55.20	0853	76	121.7	0856				10.610	82	00900	0903	
			126 18.00								31.703				
" 18	MA02	172	48 50 20	0949	77	168	0951				10.040	83	00959	1003	
			126 25.30								32.187				
18	MA2B	400	48 45.33	1050	78	404	1052				10.216	84	01100	1109	bran
			126 32.29								32.227				
18	MA03	1275	48 40.20	1152	79	1304	1159	small wave angle			10.157	85	01207		Large rounded bottom
			126 38.65								32.217				
18	MA 3B	1370	48 35.96	1311	80	1447	1315				10.091	86	01320	1400	
		1420	126 44.12								32.060				
18	MA04	2230	48 30.13	1445	81	2038	1453				9.757	87	01457	1607	Bottle on wave
			126 52.35								32.448				
18	MA05	2430	48 20.2	1725	82	1738	1728				9.803	88		1830	
			127 06.0								32.361				
18	MA03	731	48 37.50	2146	83	732.4	2150				10.555	89	02202	2211	
			126 20.00								31.995				
18	MA02	110	48 35.88	2331	84	704	2336				11.660	90		2340	
			125 59.78								29.738				
19	MP01	96	48 34.55	0118	85	98	0123				11.617	91	0127	0127	
			125 29.60								30.734				

PMK-2/8

DAILY LOG

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