

DAILY LOG

OCEAN PHYSICS

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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 NO.	HYDRO OXYGEN NO.	BUCKET TEMPERATURE & SALINITY NO.	LOOP TEMPERATURE & SALINITY NO.	ENGINE INTAKE TEMPERATURE	TIME SHIP PROCEEDS	NOTES
April 13				0430	depart I.O.S.										
				0610	finally have ADCP working!										
13	PJF6	4825.00 12440.30		1	92 2309										
13	PJF5	4826.40 12440.30		2	195 2346					9.092 31.000					
14	PJF4	4828.10 12440.30	0007	3	244 0014					9.099 31.089					31.13 9187 count 188
14	PJF3	4831.2 12440.2	0056	4	199 0100					9.625 31.099			0107		
14	PJF2 146	4832.20 12440.20	0118	5	146 0122					9.244 30.970			0128		9524 30.860
14	PJF1 80	4833.37 12440.34	0141	6	85 0146					8.943 31.107	1				77 31.137/9.187 up cast logged
14	SW01 145	4832.33 12443.27	0220	7	150 0221								0249		
14	SW02 230	4830.39 12448.05	0254	8	224 0256					9.104 30.979			0304		232 9230/31.135
14	SW03 230	4829.06 12451.22	0329	9	238 0330					9.511 30.795					
14	SW04 110	4829.57 12452.97	0349	10	115 0351					9.240					

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April 14	SW05	75	48 30.24	0405	11	76	0410				9.343		0412		program timed out - restarted		
		124 54.24															
14	SW06	90	48 29.95	0445	12	94	0448				9.132		0450				
		125 00.55															
14	SW07	140	48 29.94	0512	13	146	0514				9.035		0518				
		125 04.12															
14	SW08	135	48 30.01	0540	14	135	0541				9.249		0543				
		125 07.53															
14	SW09	145	48 28.79	0619	15	151	0621				9.344		0628				
		125 13.55															
14	SW10	150	48 29.23	0656	16	146	0658				8.017		0705				
		125 19.31															
14	SW11	150	48 28.41	0735	17	151	0736				8.994		0742				
		125 25.35															
14	SW12	120	48 28.92	0750	18	117	0753				8.938		0759				
		125 26.61															
14	SW13	95	48 29.58	0805	19	96	0807				8.986		0812				
		125 27.32															
14				1936							2				long sample		
Apr 15	L001	36	48 40.40	01:05	20	33	01:15	1	30	0124	1001 ↓ 1004	9.512 30.575		01:33	LAST BOTTLE 27 20 = 17 10 = 7		
		124 59.48															
15	L002	55	48 39.00	01:50	21	50	01:51	2	50	0205	1005 ↓ 1011	9.533 30.431	3				
		124 59.48															

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Apr 15	LB03	92	48 37.32	0238	22 87.7 0240	/					9.998				
			125 05.58								30.150				
APRIL 15	LB04	105	48 35.67	0304	23 103 0307	/					9.755		0313		
			125 08.72								-				
15	LB05	99	48 34.00	0330	24 95 0335	/					9.900		0342		
			125 12.00								30.414				
15	LB06	110	48 32.23	0400	25 113 0402	3 100	0410	1012 1020	9.957	4					
			125 15.60						30.078						
15	LB07	151	48 28.68	0504	26 150 0507	/					10.004	5			
			125 22.10								30.383				
15	LB08	140	48 25.30	0553	27 139 0555	/					9.472				
			125 28.65								-				
15	LB09	145	48 22.00	0636	28 150 0638	4 140	2348	1021 1030	9.450	6			0712		
			125 34.80												
15	LB10	150	48 18.55	0745	29 154 0748	/					9.648		0755		
			125 41.35								31.352				
	LB11	210	48 15.14	0829	30 227 0831	5 220	0905	1031 1042	9.388	7					< 60
			125 47.39						31.883						
	LB12	500	48 12.85	0942	31 512 0945	6 520	1027	1043 1058	9.352	8			1047	9.499 31.976	
			125 51.80						31.700						
	LB13	860	48 10.70	1110	32 921 1113	/					9.130	9 @ 1130	1140	9.272 32.349	
			125 55.96								32.070				
	LB14	1140	48 08.55	1205	33 1163 1210	/					9.011			9.171 32.595	PMK-2/8
			125 59.46								32.341				

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15 April			2247								10					
16 Apr	LC10	1261	48 22.40 126 20.20	0158	34 1238	0201	/				9.136 31.920	11		0235	Sail 32.544 Rmt 9.05 T 9.337	
16	LC09	630	48 25.94 126 13.70	0310	35 660	0313	7 600		1001 1020							HYDRO
16	LC08	196	48 29.45 126 07.10	0501	36 199	0504	8 190		1021 1032							HYDRO
16	LC07	125	48 32.96 126 00.50		37 127	0618	9 120		1036 1043		12					HYDRO
16	LC06	90	48 36.36 125 54.01	0722	38 93	0726	/							0730	9.671 32.050	
16	LC05	60	48 39.86 125 47.44	0801	39 68	0803	/							0808	on bottom	
16	LC04	163	48 43.45 125 40.84	0836	40 164	0839	10 150	0859	1044 1052		13 @	0853		0904		
16	LC03	137	48 46.92 125 34.21		41 140	0937	/							0946		
16	LC02	105	48 48.63 125 30.96	1003	42 109	1006	11 100	1018	1053 1059							
16	LC01	95	48 50.40 125 27.90	1043	43 98	1044	12 90	1057	1060 1035							
16	LC2A	45	48 49.47 125 34.98		44 47	1148	/									

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APRIL 18	LA01	255	48 29.23 123 43.6	0525	45 260 0530	13 250	? .		1001 1016	14					
18	LA02	301	48 26.25 124 51.32	0645	46 301 0649	14 300	? .		1017 1030						
18	LA03				47 117 0804	/							0809		
18	LA04	187	48 19.46 125 04.19	0905	48 185 0907	15 175			1031 1040						wave < 10°
18	LA05		48 16.08 125 10.60		49 122 1020	/							1025		
18	LA06	110	48 12.54 125 17.23	1057	50 114 1101	16 100	1115		1041 1047				1121		
18	LA07	110	48 09.18 125 23.85	1154	51 112 1158	/			8.816 31.358				1202		
18	LA08	130	48 05.80 125 30.44	1236	52 139 1240	17 132	1258		1048 1056						
18	LA09	340	48 02.40 125 36.94	1346	53 356 1350	/							1400		change depth in cruise file
18	LA10	910	47 59.08 125 43.38	1436	54 1439	/	15								900 m Cal. sample
			run - 1454	0891 3.583	34.505	② 891 3.586		34.504							
				③ 891 3.590	34.504	④ 890 3.574		34.502		⑤ 887 3.604			34.503		

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APRIL 18	L09 76	125 26 10 48 51 10	23 40	55 89	23 42				10.198 30.194					10.271 30.393	
APRIL 19	L8 67	48 52 55 125 25.24	00:02	56 57	00:05				30.419 9.868						
19	L7 55	48 54 55 125 24 38	00:24	57 55	00:26				9.789 30.580				0031		
19	L6 46	48 56.50 125 23.4	00 51	58 50	00:54								0059		
19	B7 41	48 58.02 125 20.0	01:30	59 41	01:31				10.364 28.021				01:40	Sail 10.067 28.928	
19	L3 74	48 56.85 125 16.26	02:06	60 67.25	02:06										
19	L2 68	48 56 24 125 13.86	02:25	61 67.37	02:28				11.005 26.449				02:33	Sail 9.508 28.524	
19	I6 96	48 54.45N 125 12.54 W	02 51	62 96	02 54				10.527 21.654				0300		
19	I7 89	48 52.5 125 14.0	03 19	63 95	03 22				10.906 27.660				0328		
19	I8 98	48 50.5 125 15.4	03 49	64 98	03 51				8.113				0359		
19	I9 100	48 48.4 125 15.8	04 16	65 98	04 18				8.443				0425		
19	LCB1 95	48 44.94 125 22.0	05 03	66 97	05 06				8.396	18			0539	PLANKTON (90m)	

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88/4/19	LCB2	113	48 41.15 125 27.05	0613	67	103	0617				8.133	19			0646	PLANKTON 95m
<i>88/4/19</i>	<i>PRB1</i>	<i>140</i>	<i>48 45.27</i> <i>125 33.88</i>	<i>0725</i>	<i>68</i>	<i>143</i>	<i>0726</i>					<i>20</i>				<i>PLANKTON</i>
<i>88/4/19</i>	<i>PLB3</i>	<i>47</i>	<i>48 51.08</i> <i>125 39.20</i>	<i>0838</i>	<i>69</i>	<i>49</i>	<i>0841</i>					<i>21</i>				<i>Plankton</i>
<i>88/4/19</i>	<i>LD01</i>	<i>33</i>	<i>49 00.10</i> <i>125 43.80</i>	<i>0950</i>	<i>70</i>	<i>35</i>	<i>0954</i>	<i>18</i>								
<i>88/4/19</i>	<i>LD02</i>	<i>40</i>	<i>48 58.35</i> <i>127 47.05</i>	<i>1030</i>	<i>71</i>	<i>40</i>	<i>1032</i>	<i>19</i>								
<i>88/4/19</i>	<i>LD03</i>	<i>45</i>	<i>48 56.71</i> <i>125 50.42</i>	<i>11:05</i>	<i>72</i>	<i>45</i>	<i>11:08</i>									
<i>88/4/19</i>	<i>LD04</i>	<i>60</i>	<i>48 53.16</i> <i>125 57.0</i>	<i>11:51</i>	<i>73</i>	<i>62</i>	<i>11:52</i>	<i>20</i>								
<i>88/4/19</i>	<i>LD05</i>	<i>90</i>	<i>48 49.63</i> <i>126 03.70</i>	<i>1240</i>	<i>74</i>	<i>89.8</i>	<i>1247</i>									
<i>88/4/19</i>	<i>LD06</i>	<i>133</i>	<i>48 46.18</i> <i>126 10.20</i>	<i>13:28</i>	<i>75</i>	<i>133.75</i>	<i>13:29</i>	<i>21</i>								
<i>88/4/19</i>	<i>LD07</i>	<i>438</i>	<i>48 42.64</i> <i>126 16.79</i>	<i>1425</i>	<i>76</i>	<i>439</i>	<i>1427</i>									
<i>88/4/19</i>	<i>LD08</i>	<i>763</i>	<i>48 39.17</i> <i>126 23.40</i>	<i>1517</i>	<i>77</i>	<i>776</i>	<i>1520</i>	<i>22</i> <i>750</i>				<i>9.801</i>	<i>22</i>		<i>1631</i>	<i>Hydro (O₂) 750m</i>
<i>88/4/19</i>	<i>LD09</i>	<i>1045</i>	<i>48 35.69</i> <i>126 30.00</i>	<i>17:08</i>	<i>78</i>	<i>1082</i>	<i>1712</i>					<i>9.875</i>	<i>23</i>		<i>1743</i>	
												<i>31.278</i>				

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GMT															
88/4/19	LD10	1447	48 32.20 126 36.60	1819	79 147 1825				9.797 31.891						CAL BOTTLE. 5m above probe.
88/4/19	LD10				979 1454 1853		1855 25						1920		START 1 MIN BEFORE MESS. MESS AFTER 1 min 20 sec. logging.
19/4/88	LD11	1550	48 28.76 126 42.94	1953	80 1536 1958				10.390				2052		not bottom
19/4/88	LE09	1515	48 36.00 126 44.00	2106	81 1536 2139				10.818				2226		
19	LE08	1285	48 40.30 126 38.00	2305	82 1305 2308					24					
APRIL 20	LE07	534	48 44.20 126 32.10	0030	83 534.7 0038				10.078 31.611				0059		Sail 10.325 31.712 TR 10.02
20	LE06	205	48 48.50 126 26.30	0129	84 210 0130	23 200		10.01 1014	10.258 31.502						10.408 31.669 TR 10.08
20	LE05	155	48 52.79 126 20.31	0231	85 153.0 0234				10.087 31.621						10.536 TR 10.25 31.752
88/4/20	LE04	116	48 56.50 126 15.10	0320	86 120. 0321	24 100	0334	1016 1021	10.097 31.671	27			0343		
88/4/20	LE03	76	49 00.50 126 10.60	0415	87 77 0417				10.158	28			0423		
88/4/20	LE02	52	49 04.30 126 04.50	0459	88 53 0501	25 50	0511 +0518		10.279	29			0521		
88/4/20	LE01	40	49 07.00 126 00.90	0550	89 44 0552	26 40	0602		10.169	30			0606		

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88/4/20	LF01	25	49 14.80	0722	90	28	0725	27	0733	1033	31			0741		
			126 14.30					20		1035						
20	LF02	47	49 13.20	0752	91	51	0752	28	0802	1036	32			0805		
			126 16.50					40		1041						
20	LF03	83	49 09.60	0841	92	87	0840	/			33			0847		
			126 21.90					/								
20	LF04	123	49 05.90	0917	93	128	0919	29	0934	1042	34					
			126 27.30					115		1049						
20	LF05	150	49 02.00	1011	94	153	1013	/			35			1019		
			126 33.20					/								
20	LF06	440	48 58.10	1053	95	400		30		1050	36					Wave < 5°
			126 38.90					400		1063						
20	LF07	722	48 54.03	12:26	96	730.5	12:30	/			9.781			12:54		T = 9.918 TR 9.62 31.544
			126 44.78					/			31.431					
20	LF08	1245	48 50.00	1328	97	1249	13:30	/			37					CALIBRATION SAMPLE SAL # 38
			126 50.70					/								
20	LF08	1237	48 50.00	13:59	98	1237	1359		38 Calibration File							←
			126 50.70													
20	LF09	1366	48 45.80	1457	99	1404	1501	/			9.179	39				
			126 56.80					/			32.335					
88/4/20	LG07	1720	48 59.40	1727	100	1755	1730	/			9.392	40		1821		
			127 7.20					/			31.810					
88/4/20	LG06	975	49 3.50	1902	101	982	1904	31			9.417	41		1932		
			127 1.20					/								

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20/4/88	LG05	268	49 07.40	2008	102 277	2010	2010				42		2019		
			126 55.30												
20	LG04	140	49 11.30	2054	103 140	2057	32	2113	1001		43				
			126 49.40				125		1010						
20	LG03	110	49 15.00	2152	104 120	2153					44		2158		
			126 43.70												
20	LG02	90	49 18.70	2240	105 100	2243	33	2257	1011		45				
			126 38.10				90		1019						
20	LG01	59	49 20.45	23:08	106 61.3	23:28	34		1020	10.504				10.636	
			126 35.05				50	1025	30.486			TR = 10.3	30.641		
88/4/21	LH01	30	49 34.30	0415	107 34	0417	35	0429	1026	10.471	46		0433		
			126 44.20				30		1029	30.500					
88/4/21	LH02	54	49 32.20	0453	108 54	0455	36	0506	1030	9.143	47		0511		
			126 47.40				50		1034						
88/4/21	LH03	97	49 28.70	0610	109 101	0614				8.760	48		0620		
			126 52.90												
88/4/21	LH04	130	49 24.90	0720	110 135	0721	37	0739			49		0745		
			126 58.70				120								
21/4/88	LH05	155	49 21.30	0830	111 157	0832					50		0840		
			127 04.50												
21/4/88	LH06	450	49 17.60	0926	112 490	0933					51		0942	Hydro cancelled	
			127 10.40												
21/4/88	LH07	1395	49 13.70	1042	113 1424	1046					52				
			127 16.40												

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SHIP		CRUISE		TIME ZONE		PAGE									
Pargyan		88-11		Z UTC		11 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
21/4/88	LH08	1880	49 09.70	12:06	114	1210					9.252				9.380
			127.22.50								31.606				53
21/4/88	LH09	2015	49 05 60	1335	115	1500	1339				9.172	54			CALIB SAMPLE Bottle 54 ABOVE Probe
			127 28 70								31.961				
21/4/88	LH09	2015	49 05 60	1408	815	1500									Calibration sample #55 104 Bottle.
21/4/88	PLA1	213	48 28.6	2135	116	225	2136				56				Plankton station
			126.08.1												
	PLA3		48 24.7	2225	1										Plankton only
21/4/88	PLA2	410	48 22.4	2340	117	250	2341								STD TO 250m only
			126 04 18												
21/4/88	PL2	410	48 22.4												PLANKTON STN
			126 04 18												
22/4/88	PLC3	110	48 23.4	0230	118	104	0233								PLANKTON STATION
			125 20 70												
88/4/22	PLC2	107	48 25.40	0336	119	108	0342				9.410				PLANKTON STATION
			125 07.80								31.819				
22				1450	arrive I.O.S.										

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