

BRIDGE LOG

Depth Correction Factor = 0.9863 (Skipper Only) Knudsen Speed of Sound: 1500 m/s Time is: UTC Mean Draft = 8 m 2009-20 JDIS Cruise 25-2009

Consecutive Number	Station ID	Cast Type	Depth (m) ^{UK}	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
1	AGM	CTD	108	20 Sep 09	0002	71° 01.901	127° 45.570	20 Sep 09	0034	71° 01.853'	127° 45.498	AGM Cast 1 (test)
2	AGM	ADCP	108	20 Sep 09	0012	71° 01.909	127° 45.589	20 Sep 09	0015	71° 01.893'	127° 45.590	ADCP - too rough
3	CABOS	Rosette	1147	20 Sep 09	1240	71° 49.137	131° 47.752	20 Sep 09	1143	71° 48.884	131° 47.751	11000 m
4	CABOS	ADCP	1142	20 Sep 09	1250	71° 49.128	131° 47.793	20 Sep 09	1402	71° 48.635	131° 47.514	
5	CABOS	Bongo #1	1146	20 Sep 09	1325	71° 48.934	131° 47.837	20 Sep 09	1333	71° 48.890	131° 47.757	100 m cast
6	CABOS	Bongo #2	1141	20 Sep 09	1348	71° 48.771	131° 47.611	20 Sep 09	1355	71° 48.745	131° 47.545	
7	CABOS	MRG	KNUDSEN	20 Sep 09	1620	71° 49.700	131° 46.558	20 Sep 09				TRIANGULATION POS'N CONFIRMED
8	CABOS	MRG	SNDG	20 Sep 09	1716	71° 49.662	131° 46.867	20 Sep 09	1808	71° 49.875	131° 47.178	Moorings recovered.
9	CABOS	CTD	SHUT	20 Sep 09	1911	71° 49.855	131° 46.777	20 Sep 09	2005	71° 49.926	131° 46.944	1100 m CAST
10	CABOS (PRR)	PRR	DOWN	20 Sep 09	1920	71° 49.851	131° 46.910	20 Sep 09	1930	71° 49.884	131° 46.842	PRR
11	CB-316	CTD		21 Sep 09	0136	72° 08.904	134° 10.448	21 Sep 09	0303	72° 08.673	134° 10.33	
12	CB-316	ADCP		21 Sep 09	0140	72° 08.885	134° 10.447	21 Sep 09	0250	72° 08.674	134° 10.343	
13	CB-316	Bongo #1	1985	21 Sep 09	0150	72° 08.849	134° 10.440	21 Sep 09	0158	72° 08.838	134° 10.433	160 m
14	CB-316	Bongo #2	1985	21 Sep 09	0207	72° 08.796	134° 10.467	21 Sep 09	0214	72° 08.759	134° 10.502	100 m
15	XCTD #1	XCTD	Depth 734m	22 Sep 09	0340	71° 14.610	133° 52.035	22 Sep 09	0345	71° 15.314	133° 52.848	Skipper Sounder.
16	XCTD #2	XCTD	2000m	22 Sep 09	0835	72° 04.041	134° 57.607	22 Sep 09	0842	72° 04.045	134° 57.810	XCTD
17	CB-23A	PRR	2783	22 Sep 09	1610	72° 52.281	135° 59.786	22 Sep 09	1619	72° 52.236	135° 59.484	PRR
18	CB-23A	Bongo #1	2783	22 Sep 09	1627	72° 52.208	135° 59.951	22 Sep 09	1637	72° 52.169	136° 00.049	Bongo
19	CB-23A	Bongo #2	2781	22 Sep 09	1647	72° 52.140	136° 00.138	22 Sep 09	1652	72° 52.121	136° 00.168	Bongo
20	CB-23A	CTD	2784	22 Sep 09	1712	72° 52.054	136° 00.405	22 Sep 09	1905	72° 51.773	136° 01.999	CTD
21	CB-23A	ADCP	2783	22 Sep 09	1720	72° 52.000	136° 00.500	22 Sep 09	1851	72° 51.805	136° 01.766	ADCP
22	CB-23A	Turbo-map	2786	22 Sep 09	1921	72° 51.749	136° 02.268	22 Sep 09	1925	72° 51.746	136° 02.332	Turbo-map
23	CB-22	ROSETTE	3193	23/09/09	0116	73° 29.052	137° 57.112	23/09/09	0327	73° 28.998	137° 56.239	ROSETTE
24	CB-22	ADCP	3192	23/09/09	0123	73° 29.061	137° 57.081	23/09/09	0309	73° 29.040	137° 56.352	ADCP
25	CB-22	PRR	3195	23/09/09	0139	73° 29.083	137° 56.960	23/09/09	0146	73° 29.084	137° 56.956	PRR
26	CB-27	Rosette	3265	23/09/09	1011	73° 00.150	139° 54.153	23/09/09	1219	73° 00.385	139° 56.563	Rosette 3250 m Cast
27	CB-27	ADCP	3265	23/09/09	1028	73° 00.152	139° 54.527	23/09/09	1216	73° 00.342	139° 56.338	ADCP
28	CB-27	Bongo #1	3267	23 Sep 09	1210	73° 00.416	139° 56.824	23 Sep 09	1246	73° 00.435	139° 56.890	100 m Cast
29	CB-27	Bongo #2	3261	23 Sep 09	1256	73° 00.471	139° 57.013	23 Sep 09	1301	73° 00.482	139° 57.054	100 m Cast
30	MK-7	ROSETTE	3024	23/09/09	1705	72° 29.452	139° 57.240	23/09/09	1817	72° 29.355	139° 58.257	1000 m CAST
31	MK-7	PRR	3024	23/09/09	1709	72° 29.452	139° 57.240	23/09/09	1715	72° 29.435	139° 57.396	
32	MK-7	ADCP	3024	23/09/09	1711	72° 29.452	139° 57.240	23/09/09	1749	72° 29.398	139° 57.922	
33	MK-7	TURBO-MAP	3022	23/09/09	1823	72° 29.330	139° 58.401	23/09/09	1842	72° 29.258	139° 58.948	500 m
34	ITP-21	ITP	No Knudsen readout.	23/09/09	2144	72° 33.202	140° 37.014	23/09/09	2216	72° 33.070	140° 39.16	ITP Recovery
35	XCTD #3	XCTD	3340	24/09/09	0050	72° 35.607	141° 36.408	24/09/09	0056	72° 35.602	141° 36.504	

True
Depth.

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1460 m/s

Time is: UTC

Mean Draft = 8.4m water 14.5
9.25m after Sept 25 Cruise 25-2009

Consecutive Number	Station ID	Cast Type	Depth (m)/fuc	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
36	XCTD #4	XCTD	3380	Sept 24/09	04007	72° 37.840	143° 05.726	Sept 24/09	0416	72° 37.824	143° 05.936	XCTD
37	STA-A	ROSETTE	3508	24 Sep 09	0842	72° 39.483	144° 44.740	24 Sep 09	1055	72° 38.810	144° 48.121	ROSETTE CAST. 3500m.
38	STA-A	ADCP	3508	24 Sep '09	0845	72° 39.312	144° 44.819	24 Sep 09	1049	72° 38.838	144° 47.978	ADCP
39	STA-A	Bongo #1	3497	24 Sep '09	1124	72° 38.649	144° 48.759	24 Sep 09	1129	72° 38.623	144° 48.919	Bongo #1 100m Cast.
40	STA-A	Bongo #2	3497	24 Sep 09	1141	72° 38.575	144° 49.219	24 Sep 09	1146	72° 38.555	144° 49.353	Bongo #2 100m Cast.
41	XCTD #5	XCTD	3360	24 Sept/09	1603	72° 24.561	143° 10.796	24 Sept/09	1612	72° 24.488	143° 10.371	XCTD
42	"	TURBO-MAP	3359	24 Sept/09	1619	72° 24.522	143° 10.275	24 Sept/09	1644	72° 24.514	143° 11.044	500m.
43	XCTD #6	XCTD	3063	24 Sept/09	1947	72° 12.020	141° 38.041	24 Sept/09	1955	72° 11.987	141° 38.099	XCTD
44	CB-29	PRR	2740	24 Sept 09	2242	71° 59.151	140° 00.832	"	2249	71° 59.140	140° 01.013	PRR
45	CB-29	Rosette	2746	24 Sept 09	2254	71° 59.123	140° 01.114	25 Sept	0047	71° 58.846	140° 03.047	Rosette: 2700m cast.
46	CB-29	ADCP	2747	24 Sept 09	2311	71° 59.068	140° 01.456	25 Sept 09	0020	71° 58.885	140° 02.583	ADCP.
47	CB-29	Bongo #1	2746	24 Sept 09	2332	71° 59.015	140° 01.893	24 Sept 09	2339	71° 58.989	140° 01.984	Bongo #1 - 100m Cast.
48	CB-29	Bongo #2	2747	24 Sept 09	2348	71° 58.951	140° 02.046	24 Sept	2355	71° 58.947	140° 02.105	Bongo #2: 100m Cast.
49	CB-29	Turbo-map	2799	25 Sept 09	0054	71° 58.850	140° 03.164	25 Sept	0118	71° 58.838	140° 04.041	500m.
50	XCTD #7	XCTD	2222	25 Sept/09	0430	71° 30.941	138° 54.523	25 Sept/09	0437	71° 30.815	138° 54.080	XCTD
51	XCTD #8	XCTD	1756	25 Sept 09	0625	71° 22.256	137° 42.399	25 Sept 09	0631	71° 21.984	137° 39.672	XCTD #8.
52	XCTD #9	XCTD	1436	25 Sept 09	0753	71° 15.410	136° 30.155	25 Sept 09	0800	71° 15.067	136° 27.009	XCTD #9
53	XCTD #10	XCTD	994	25 Sept 09	0909	71° 09.488	135° 29.829	25 Sept 09	0914	71° 09.174	135° 26.866	XCTD #10
54	CB-28-44	ROSETTE	51.3	27 Sept 09	0303	69° 59.916	139° 58.960	27 Sept 09	0310	69° 59.915	139° 58.964	56m Rosette cast
55	MK1	ROSETTE	238	27 Sept 09	0436	70° 13.981	140° 01.112	27 Sept 09	0458	70° 13.988	140° 01.229	250m Rosette cast
56	MK1	ADCP	238	27 Sept 09	0432	70° 13.970	140° 01.124	27 Sept 09	0538	70° 14.651	140° 01.132	ADCP
57	MK1	BONGO #1	237	27 Sept 09	0509	70° 14.010	140° 01.219	27 Sept 09	0515	70° 14.020	140° 01.204	Bongo #1 100m Cast
58	MK-1	BONGO #2	251	27 Sept 09	0523	70° 14.023	140° 01.171	27 Sept 09	0528	70° 14.040	140° 01.174	Bongo #2 100m Cast
59	MK-2	XCTD #11	529m	27 Sept 09	0625	70° 24.968	140° 00.335	27 Sept 09	0630	70° 26.195	140° 00.329	XCTD #11
60 →	MK-3	Rosette	813	27 Sept 09	0716	70° 34.326	139° 58.850	27 Sept 09	0800	70° 34.381	139° 58.609	Rosette. 800 m Cast.
61	MK-3	ADCP	813	27 Sept 09	0736	70° 34.363	139° 58.686	27 Sept 09	0805	70° 34.391	139° 58.623	ADCP
62	MK-3	Bongo #1	813	27 Sept 09	0744	70° 34.354	139° 58.656	27 Sept 09	0751	70° 34.362	139° 58.648	Bongo #1 100m Cast
63	MK-4	XCTD #12	1859m	27 Sept 09	0917	70° 49.201	140° 00.171	27 Sept 09	0922	70° 50.450	140° 00.230	XCTD #12.
64	CB-28b	ROSETTE	2101 m	27 Sept 09	1016	70° 59.962	139° 59.740 W	27 Sept 09	1147	70° 59.893	140° 00.392	ROSETTE
65	CB-28b	ADCP	2101 m	27 Sept 09	1022	70° 59.966	139° 59.744 W	27 Sept 09	1134	70° 59.881	140° 00.260	ADCP
66	CB-28b	BONGO #1	2101 m	27 Sept 09	1036	70° 59.940	139° 59.806 W	27 Sept 09	1044	70° 59.934	139° 59.895 W	Bongo 100m CAST
67	CB-28b	Bongo #2	2083 m.	27 Sept 09	1050	70° 59.930	139° 59.738	27 Sept 09	1101	70° 59.914	139° 59.987	Bongo 100m Cast.
68	XCTD #13	XCTD	2375m	27 Sept 09	1250	71° 05.321	141° 28.491	27 Sept 09	1254	71° 05.542	141° 31.579	
69	XCTD #14	XCTD	2214m	27 Sept 09	1610	71° 06.551	143° 03.84	27 Sept 09	1617	71° 06.475	143° 03.966	XCTD
70		PRR		27 Sept 09	1814	71° 06.546	143° 45.93	27 Sept 09	1823	71° 06.648	143° 46.253	PRR

Depth Correction Factor = 0.9863 (Skipper Only)

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Mean Draft = 9.25m

Cruise 25-2009

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
71	XCTD #15	XCTD	2023	Sept 27/09	1832	71°06.593	143°46.486	Sept 27/09	1840	71°06.409	143°46.776	XCTD
72		A005	2023	Sept 27/09	1830	71°06.634	143°46.382					Deployed - Signal Received.
73	XCTD #16	XCTD	App. 1100	Sept 27/09	1940	71°11.177'	144°31.120'	Sept 27/09	1945	71°11.245'	144°34.362'	XCTD
74	XCTD #17	XCTD	2268	Sept 27/09	2141	71°14.381'	146°00.760'	Sept 27/09	2145	71°14.640'	146°04.363'	XCTD
75	XCTD #18	XCTD	2324	Sept 27/09	2336	71°19.671'	147°31.061'	Sept 27/09	2341	71°19.778'	147°34.470'	XCTD
76	XCTD #19	XCTD	1800	28 SEP 09	0126	71°26.123	148°56.850	28 SEP 09	0130	71°26.40	148°59.798'W	XCTD
77	XCTD #20	XCTD	2020	28 SEP 09	0244	71°27.300	149°57.709	28 SEP 09	0247	71°29.717	150°00.547'W	XCTD
78	BL-6	Rosette	2023	28 Sept 09	0452	71°39.461	151°13.895'	28 Sept 09	0622	71°39.586	151°13.591'W	2000m Cast
79	BL-6	ADCP	2022	28 Sept 09	0458	71°39.460	151°13.860'	28 Sept 09	0610	71°39.551	151°13.604	ADCP
80	BL-6	Bongo #1	2021	28 Sept 09	0512	71°39.421	151°13.790'	28 Sept 09	0516	71°39.434	151°13.729'W	100m Cast
81	BL-6	Bongo #2	2022	28 Sept 09	0525	71°39.430	151°13.691'	28 Sept 09	0532	71°39.460	151°13.753'	100m Cast
82	BL-2	ROSETTE	152	28/Sept 09	0820	71°23.768	152°02.764	28 Sept 09	0836	71°23.770	152°02.969'W	150m
83	BL-2	ADCP	152	28/Sept 09	0827	71°23.764	152°02.861	28 Sept 09	0902	71°23.775	152°03.150'W	ADCP
84	BL-2	Bongo #1	152	28 Sept 09	0850	71°23.780	152°03.287	28 Sept 09	0856	71°23.774	152°03.446'W	Bongo #1 100m
85	BL-2	Bongo #2	155	28 Sept 09	0911	71°23.818	152°03.435	28 Sept 09	0919	71°23.863	152°03.449'W	Bongo #2 100m
86	BL-3	XCTD	506	28 Sept 09	1005	71°27.662	151°48.057	28 Sept 09	1011	71°27.685	151°48.073'	XCTD #21
87	BL-4	Rosette	832	28 Sept 09	1054	71°29.552	151°38.350	28 Sept 09	1137	71°29.499'	151°38.917'	Rosette
88	BL-4	ADCP	832	28 Sept 09	1101	71°29.549	151°38.473	28 Sept 09	1150	71°29.516'	151°39.963'	ADCP
89	BL-4	Bongo #1	805	28 Sept 09	1112	71°29.518	151°38.605'	28 Sept 09	1119	71°29.500	151°38.684	Bongo #1 100m
90	BL-4	Bongo #2	789	28 Sept 09	1128	71°29.482'	151°38.823'	28 Sept 09	1133	71°29.489	151°38.875'	Bongo #2 100m
91	BL-5	XCTD	1582	28 SEP 09	1236	71°35.597	151°22.415	28 SEP 09	1242	71°35.694	151°22.140	XCTD #22
92	BL-7	XCTD	2564	28 SEP 09	1402	71°49.047	150°46.679	28 SEP 09	1408	71°48.995	151°46.438	XCTD #23
93	BL-8	Rosette	2983	28 Sept 09	1536	71°57.083	150°10.187	28 SEP 09	1724	71°57.175	150°08.797.	3000 m.
94	BL-8	ADCP	2998	28 SEP 09	1541	71°57.200	150°10.294	28 SEP 09	1702	71°57.189	150°09.184	
95	BL-8	Bongo #1	2989	28 SEP 09	1550	71°57.204	150°10.209	28 SEP 09	1557	71°57.204	150°10.209	
96	BL-8	Bongo #2	2985	28 SEP 09	1609	71°57.215	150°10.124	28 SEP 09	1613	71°57.214	150°10.057	
97	BL-8	PRR	2969	28 Sept 09	1714	71°57.183	150°09.804	28 Sept 09	1722	71°57.175	150°08.864	PRR 120m
98	BL-8	TURBOMAP	2986	28 SEP 09	1806	71°57.221	150°08.564	28 SEP 09	1727	71°57.211	150°08.246	500m
99	CB-2a	XCTD	3691	28 Sep 09	2103	72°29.578	150°02.825	28 Sep 09	2106	72°29.572	150°02.752'	XCTD #24
100	CB-2a	Rosette	3691	28 Sep 09	2119	72°29.592	150°02.800	28 Sept 09	2141	72°29.646	150°02.713'	Rosette 300m Cast.
101	CB-2	Turbo-map	3726	29 Sep 09	0049	73°00.326	149°59.783	29 Sept 09	0115	73°00.305	149°59.702'	Turbo-map 500m
102	CB-2	PRR	3719	29 Sep 09	0128	73°00.341	149°59.685	29 Sep 09	0134	73°00.359	149°59.648'	PRR 1
103	CB-2	Rosette	3719	29 Sep 09	0125	73°00.341	149°59.685	29 Sep 09	0410	72°59.958	149°59.435	Rosette 3710m Cast.
104	CB-2	ADCP	3720	29 Sep 09	0133	73°00.357	149°59.660	29 Sep 09	0403	72°59.977	149°59.405	ADCP
105	CB-2	Bongo #1	3720	29 Sep 09	0144	73°00.365	149°59.641	29 Sep 09	0149	73°00.361	149°59.634'	Bongo #1 100m cast.

Depth Correction Factor = 0.9863 (Skipper Only)

Sept 24 - adjusted to 1478 m/s
Knudsen Speed of Sound: 1466 m/s

Time is: UTC

Mean Draft = 9.25 m

Cruise 25-2009

Consecutive Number	Station ID	Cast Type	Depth (m) _{time}	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
106	CB-2	Bongo #2	3719	29 Sep '09	0155	73°00.350	149°59.627	29 Sep '09	0200	73°00.338	149°59.615	Bongo #2 100m cast.
107	XCTD-25	XCTD	3779	29 Sep '09	0700	73°29.926	150°01.056	29 Sep '09	0704	73°29.936	150°01.105	XCTD #25
108 →	CB-3	ROSETTE	3791 m	29 Sep '09	1000	73°59.891	150°00.580	29 Sep '09	1226	73°59.912	150°01.371	ROSETTE Bottom Cast
109	CB-3	ADCP	3791 m	29 Sep '09	1006	73°59.834	150°00.636	29 Sep '09	1217	73°59.916	150°01.308	ADCP
110	CB-3	Bongo #1	3791 m	29 Sep '09	1012	73°59.875	150°00.642	29 Sep '09	1019 Z	73°59.807	150°00.740 W	Bongo Cast 100 m
111	CB-3	Bongo #2	3794 m	29 Sep '09	1029	73°59.876	150°00.745 W	29 Sep '09	1036 Z	73°59.855	150°00.856 W	Bongo #2 Cast 100 m
112	XCTD #26	XCTD	3822 m	29 Sep '09	1431	74°29.447	150°00.290	29 Sep	1435	74°30.693	150°00.407 W	XCTD #26
113	CB-4	ROSETTE	3823 m	29 Sep '09	1631	74°38.742	150°00.279	29 Sep	1644	74°58.767	150°00.158 W	100 m CAST
114	CB-4	ROSETTE	3824 m	29 Sep '09	2120	75°00.000	149°59.940	29 Sep	2349	75°00.357	149°58.807 W	3800 m.
115	CB-4	ADCP	3824 m	29 Sep '09	2125	75°00.000	149°59.797	30 Sep	0122	75°00.322	149°59.528	ADCP
116	CB-4	PRR	3824	29 Sep '09	2346	75°00.351	149°58.908	29 Sep	2351	75°00.370	149°58.804	PRR
117	CB-4	TURBOMAP	3824	30 Sep '09	0040	75°00.251	149°59.611	30 Sep	0102	75°00.284	149°59.500	TURBOMAP TO 500 m
118	CB-4	MOORING	3824	29 Sep '09	1803	75°00.22	150°01.17	29 Sep	2100	75°00.45	150°01.84	"BBOB A" RECOVERED
119	CB-4	BONGO #1	3826	30 Sep '09	0108	75°00.299	149°59.527	30 Sep	0113	75°00.314	149°59.538	100 m CAST
120	CB-4	BONGO #2	3825	30 Sep '09	0121	75°00.322	149°59.528	30 Sep	0143	75°00.304	149°59.605	500 m CAST
121	CB-4	BONGO #3	3824	30 Sep '09	0151	75°00.298	149°59.618	30 Sep	0155	75°00.297	149°59.598	100 m CAST
122	CB-4	PRR	3824	30 Sep '09	0211	75°00.170	149°59.523	30 Sep	0218	75°00.172	149°59.598	PRR
123	XCTD #27	XCTD	3878	30 Sep '09	0410	75°08.144	151°39.384	30 Sep '09	0415	75°09.326	151°43.469	XCTD #27
124	CB-5	ROSETTE	3844	30 Sep '09	0607	75°18.136	153°16.691	30 Sep	0835	75°18.762	153°15.361	ROSETTE 3830 m
125	CB-5	ADCP	3845	30 Sep '09	0616	75°18.181	153°16.473	30 Sep	0827	75°18.728	153°15.346	ADCP
126	CB-5	BONGO #1	3844	30 Sep '09	0628	75°18.240	153°16.204	30 Sep	0636	75°18.263	153°16.113	BONGO #1-100m cast
127 →	CB-5	BONGO #2	3844	30 Sep '09	0641	75°18.272	153°16.072	30 Sep	0646	75°18.286	153°16.069	BONGO #2 - 100m cast
128	CB-4	BONGO	3825	30 Sep	1233	74°59.971	150°00.297	30 Sep	1330	75°00.145	150°00.418	BONGO 1000 m CAST
129	CB-4	ROSETTE	3825	30 Sep	1348	75°00.092	150°00.127	30 Sep	1506	75°00.215	149°59.996	ROSETTE 1000 m CAST
130	CB-4	ADCP	3825	30 Sep	1354	75°00.095	150°00.057	30 Sep	1425	75°00.162	150°00.101	ADCP
131	CB-4	MOORING	3825	30 Sep '09	1645	75°00.000	150°00.000	30 Sep	1447	75°00.002	150°00.005	Deploy mooring "BBOB-A"
132	CB-4	HH CTD	3825	30 Sep '09	2000	75°00.000	150°00.000	30 Sep '09	2025	75°00.160	150°00.000	Hand Held CTD
133	CB-4	HH CTD	3825	30 Sep '09	2027	75°00.000	150°00.000	30 Sep '09	2032	75°00.011	150°00.000	Hand Held CTD
134	XCTD #28	XCTD	3827	01 Oct '09	0008	75°30.061	149°59.393	01 Oct	0013	75°31.208	149°59.450	XCTD #28
135	CB-7	Turbomap	3827	01 Oct '09	0214	75°57.014	149°59.280	01 Oct '09	0233	75°57.018	149°59.390	Turbo-map 500m cast
136	CB-7	ROSETTE	3827	01 Oct '09	0245	75°57.006	149°59.527	01 Oct '09	0505	75°56.990	149°01.713	ROSETTE 3817 m
137	CB-7	PRR	3827	01 Oct '09	0242	75°57.014	149°59.493	01 Oct '09	0251	75°56.973	149°59.621	PRR.
138	CB-7	ADCP	3827	01 Oct '09	0254	75°56.966	149°59.620	01 Oct '09	0436	75°56.916	150°00.978	ADCP
139	CB-7	Bongo #1	3827	01 Oct '09	0311	75°56.916	149°59.634	01 Oct '09	0314	75°56.884	149°59.622	100m CAST
140	CB-7	Bongo #2	3827	01 Oct '09	0325	75°56.867	149°59.680	01 Oct '09	0324	75°56.853	149°59.768	100m CAST

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1478 m/s

Time is: UTC

Mean Draft = 9.25m

Cruise 25/2009

Consecutive Number	Station ID	Cast Type	Depth (m)/fms	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
141 →	CB-7	Bongo#3	3827	01 Oct '09	0336	75°56.844	149°59.913	01 Oct '09	0341	75°56.838	149°59.997	Bongo#3 100m CAST
142	XCTD #29	XCTD	3827	01 Oct '09	0730	76°30.065	150°01.018	01 Oct '09	0735	76°30.020	150°01.082	XCTD #29
143	CB-8	Rosette	3824	01 Oct '09	1014	76°59.991	150°00.065	01 Oct '09	1227	77°00.119	150°00.967	Rosette - Bottom CAST
144	CB-8	ADCP	3824	01 Oct '09	1021	76°59.996	150°00.113	01 Oct '09	1237	77°00.120	150°00.890	ADCP
145	XCTD #30	XCTD	3823	01 Oct	1444	77°29.988	150°02.003	01 Oct	1448	77°29.971	150°01.866	XCTD #30
146	CB-9	ROSETTE	3825	01 Oct	1714	78°01.143	150°07.520	01 Oct	1805	78°00.947	150°07.823	ROSETTE ↓ 1000m
147	CB-9	ADCP	3825	01 Oct	1723	78°01.111	150°07.605	01 Oct	1751	78°01.015	150°07.763	ADCP
148	BEOS-B	Mooring	3824	01 Oct	2102	78°00.030	150°04.562	02 Oct	0034	77°59.405	150°07.201	MRG RECOVERY
149	CB-9	Turbo-map	3824	02 Oct	01:36	78°00.938	150°10.700	02 Oct	0152	78°00.869	150°10.916	Turbo-map: 420m Cast
150	CB-9	PRR	3824	02 Oct	01:57	78°00.851	150°10.946	02 Oct	0204	78°00.826	150°11.013	PRR
151	CB-9	Rosette	3824	02 Oct	02:24	78°00.751	150°11.188	02 Oct	0450	78°00.382	150°12.210	Rosette:
152	CB-9	ADCP	3824	02 Oct	02:33	78°00.728	150°11.279	02 Oct	0442	78°00.403	150°12.190	ADCP
153	CB-9	Bongo #1	3824	02 Oct	02:39	78°00.716	150°11.322	02 Oct	0244	78°00.699	150°11.360	Bongo #1: 100m cast
154	CB-9	Bongo #2	3824	02 Oct	02:50	78°00.692	150°11.394	02 Oct	0312	78°00.615	150°11.614	Bongo #2: 500m CAST
155	CB-9	Bongo #3	3824	02 Oct	03:19	78°00.664	150°11.647	02 Oct	0326	78°00.583	150°11.728	Bongo #3 100m CAST
156 →	XCTD #31	XCTD	3832	02 Oct	06:52	78°10.492	151°25.346	02 Oct	0655	78°10.487	151°25.347	XCTD #31
157	XCTD #32	XCTD	3508	02 Oct	08:59	78°21.239	152°36.920	02 Oct	0903	78°21.239	152°36.939	XCTD #32
158	CB-10	ROSETTE	2952	02 Oct '09	1002	78°20.635	153°01.289	02 Oct	1201	78°20.891	153°01.837	ROSETTE - Bottom CAST
159	CB-10A2	ROSETTE	1706	02 Oct	1329	78°20.511	153°30.672	02 Oct	1442	78°20.799	153°30.440	ROSETTE ↓ 1713 (Bottom)
160	CB-10A	TURBOMAP	1034	02 Oct	1610	78°19.550	154°01.874	02 Oct	1632	78°19.650	154°01.769	TURBOMAP ↓ 500m
161	CB-10A	BONGO#1	1045	02 Oct	1649	78°19.770	154°01.647					ABORT DUE TO FROZEN WINCH
162	CB-10A	PRR	1068	02 Oct	1729	78°19.747	154°00.461	02 Oct	1735	78°19.777	154°00.461 W	PRR
163	CB-10A	Rosette	1068	02 Oct	1732	78°19.767	154°00.481	02 Oct	1826	78°20.050	153°59.930 W	1000m CAST
164	CB-60	Rosette	1961	02 Oct	2058	78°35.640	154°14.001	02 Oct	2223	78°36.216	154°13.591	1935m CAST
165	CB-60	ADCP	1899	02 Oct	2105	78°35.674	154°13.968	02 Oct	2210	78°36.125	154°13.646	ADCP
166	CB-60	Bongo #1	1931	02 Oct	2122	78°35.787	154°13.895	02 Oct	2127	78°35.825	154°13.862	100m CAST
167	CB-60	Bongo #2	1918	02 Oct	2135	78°35.880	154°13.818	02 Oct	2140	78°35.912	154°13.796	100m CAST
168	CB-60	PRR	1918	02 Oct	2153	78°36.041	154°13.706	02 Oct	2200	78°36.066	154°13.680	PRR
169	CB-61	Turbo-map	3050	03 Oct '09	01:03	78°51.449	154°16.156	03 Oct '09	01:09	78°51.418	154°16.082	Turbo-map: 150m cast
170	CB-61	Rosette	3073	03 Oct '09	01:20	78°51.562	154°15.897	03 Oct '09	0318	78°52.288	154°13.385	Rosette: 3064m cast
171	CB-61	ADCP	3085	03 Oct '09	01:29	78°51.625	154°15.717	03 Oct '09	0313	78°52.262	154°13.507	ADCP
172	XCTD #33	XCTD	3062	03 Oct '09	04:47	78°03.146	154°11.270	03 Oct '09	0452	79°03.168	154°11.141	XCTD
173 →	XCTD #34	XCTD		03 Oct '09	06:50	79°15.291	153°53.552	03 Oct '09	0657	79°15.299	153°53.433	XCTD #34
174	XCTD #35	XCTD	3814	03 Oct '09	09:42	79°34.799	153°37.478	03 Oct '09	0946	79°34.805	153°37.453	XCTD #35
175	XCTD #36	XCTD	3818	03 Oct	12:29	79°54.984	153°11.901	03 Oct	1235	79°55.009	153°11.764	XCTD #36

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1478 m/s

Time is: UTC

Mean Draft =

Cruise 25-2009

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments	
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude		
176	CB-11	ITP#8	ROSETTE	3812	03/OCT	1553	80°16.87	152°34.16	03/OCT	1832	80°16.807	152°28.104'	Rosette 3800m
177		ITP#8	ROSETTE	3811	03/OCT	2050	80°16.884	152°00.496	03/OCT	2102	80°18.891	152°00.031	100m CAST
178		ITP#8	PRR	3811	03/OCT	2047	80°18.884	152°00.496	03/OCT	2054	80°18.871	152°00.394'	PRR
179		ITP#8	TURBOMAP										Technical Diff - ABORTED
180		ITP#8	Bongo#1	3811	03/OCT	2127	80°18.902	151°58.973	03/OCT	2132	80°18.902	151°58.917	100m CAST
181		ITP#8	Bongo#2	3811	03/OCT	2140	80°14.920	151°58.616	03/OCT	2145	80°18.930	151°58.406	100m CAST
182		ITP#8	Bongo#3	3805	03/OCT	2245	80°19.003	151°57.259	03/OCT	2238	80°19.062	151°56.296'	500m Cast
183		ITP#8	Bongo#4	3811	03/OCT	2254	80°19.109	151°55.900	03/OCT	2342	80°19.250	151°54.081'	1000m Cast
184		ITP#8	TURBOMAP	3805	04/OCT	0121	80°19.536	151°48.968	04/OCT	0129	80°19.578	151°48.500'	TURBOMAP ↓ 150M.
185	Oct 4 th	XCTD #37	XCTD	3822	04/OCT	1003	79°30.558	151°04.740	04/OCT	1007	79°30.570	151°04.419	XCTD #37
186		CB-11	ROSETTE	3826	04/OCT	1705	79°00.061	150°31.521	04/OCT	1946	79°00.217	150°31.437	Rosette 3800m.
187		CB-11	ADCP	3826	04/OCT	1711	79°00.062	150°31.216	04/OCT	1926	79°00.223	150°22.813	ADCP
188		CB-11	PRR	3826	04/OCT	1818	79°00.154	150°27.015	04/OCT	1827	79°00.186	150°26.633	PRR 120m.
189		CB-11	TURBOMAP	3826	04/OCT	1949	79°00.218	150°21.141	04/OCT	2009	79°00.209	150°19.879'	TURBOMAP ↓ 490m
190		XCTD-38	XCTD	3827	04/OCT	2254	78°39.988	149°03.680	04/OCT	2258	78°39.970	149°03.461	XCTD #38
191		XCTD 39	XCTD	3824	05/OCT	0123	78°20.297	147°56.466	05/OCT	0127	78°20.301	147°56.296	XCTD #39
192		XCTD #40	XCTD	3814	05/OCT	0402	78°00.25	146°36.732	05/OCT	0406	78°00.250	146°36.577	XCTD #40
193	Oct 5 th	CB-12B	ROSETTE	3798	05/OCT	0725	77°33.778	145°09.136	05/OCT	1005	77°33.871	145°05.097	Rosette 3790m cast
194		CB-12B	ADCP	3798	05/OCT	0735	77°33.783	145°08.904	05/OCT	0937	77°33.862	145°05.832'	ADCP
195		CB-9/BGOS-B	Mooring	3824	05/OCT	1930	78°00.522	150°02.355	05/OCT	2256	78°00.081	149°59.944'	Deploy BGOS-B mooring
196		XCTD #41	XCTD	3820	06/OCT	0055	77°58.045	148°21.261	06/OCT	0100	77°58.831	148°21.218	XCTD #41
197		XCTD #42	XCTD	3803	06/OCT	0451	77°58.853	144°59.034'	06/OCT	0456	77°58.830	144°59.024	XCTD #42
198	Oct 6 th	XCTD #43	XCTD	3795	06/OCT	0744	77°59.674	143°18.762	06/OCT	0749	77°59.660	143°18.669	XCTD #43
199		XCTD #44	XCTD	3775	06/OCT	1029	77°59.477	141°40.680	06/OCT	1034	77°59.463	141°40.630	XCTD #44
200		CB-16	ROSETTE	3754	06/OCT	1518	77°58.653	140°02.568	06/OCT				ABORT - PROBLEM WITH CTD
201		CB-16	BONGO#1	3752	06/OCT	1544	77°58.457	140°02.564	06/OCT	1550	77°58.432	140°02.624	BONGO ↓ 100m
202		CB-16	BONGO#2	3752	06/OCT	1559	77°58.389	140°02.623	06/OCT	1605	77°58.358	140°02.586	BONGO ↓ 100m
203		CB-16	BONGO#3	3752	06/OCT	1614	77°58.305	140°02.554	06/OCT	1636	77°58.212	140°02.557	BONGO ↓ 500m
204		CB-16	BONGO#4	3751	06/OCT	1731	77°57.961	140°02.496	06/OCT	1819	77°57.751	140°02.305	BONGO ↓ 1000m
205		CB-16	ROSETTE	3751	06/OCT	1811	77°57.786	140°02.341	06/OCT	1828	77°57.705	140°02.231	ROSETTE TEST CAST 400m
206		CB-16	PRR	3741	06/OCT	2231	77°49.879	140°06.370	06/OCT	2238	77°49.836	140°06.525'	PRR
207		CB-16	TURBO-MAP	3743	06/OCT	2249	77°49.784	140°06.461	06/OCT	2308	77°49.709	140°06.434'	TURBO-MAP: 500m cast.
208		CB-16	ROSETTE	3742	06/OCT	2313	77°49.687	140°06.431	07/OCT	0155	77°49.101	140°06.630'	ROSETTE: 3730m cast.
209		CB-16	Bongo#5	3741	06/OCT	2317	77°49.671	140°06.435	06/OCT	2328	77°49.628	140°06.431	BONGO ↓ 200M
210		XCTD #45	XCTD	3705	07/OCT	0507	77°35.403	138°29.703	07/OCT	0510	77°35.397	138°31.821	XCTD

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1478 m/s

Time is: UTC

Mean Draft = 9.2 m ^(true depth on Sdr) Cruise 252009

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
Oct 7 th 211	XCTD #46	XCTD	3655	07 Oct '09	0823	77°20.363	136°59.832	07 Oct '09	0828	77°20.360	136°59.833	XCTD #46
212	PP-7alt	Rosette	3577	07 Oct '09	1346	77°03.982	135°28.200	07 Oct '09	1600	77°04.123	135°28.103	Rosette ↓ 3527m Full Depth
213	PP-7alt	ADCP	3577	07 Oct '09	1358	77°04.005	135°28.053	07 Oct '09	1550	77°04.115	135°28.106	ADCP
214	PP-7alt	Bongo #1	3577	07 Oct '09	1422	77°04.026	135°28.030	07 Oct '09	1428	77°04.031	135°28.060	Bongo NETS 100 m Cast
215	PP-7alt	Bongo #2	3577	07 Oct '09	1439	77°04.053	135°28.128	07 Oct '09	1445	77°04.061	135°28.112	Bongo NETS 100m Cast
216	PP-7alt	Bongo #3	3577	07 Oct '09	1455	77°04.074	135°28.070	07 Oct '09	1506	77°04.076	135°28.073	Bongo - 200 m CAST
217	PP-7alt	TURBOMAP	3578	07 Oct	1605	77°04.127	135°28.102	07 Oct	1627	77°04.148	135°28.056	TURBOMAP 480m
218	PP-7ALT	PRR	3583	07 OCT	2035	77°04.739	135°27.590	07 OCT	2045	77°04.747	135°27.486	PRR
219	PP-7ALT	PRR	3583	07 OCT	2047	77°04.747	135°27.473	07 OCT	2055	77°04.750	135°27.438	PRR
220	PP-7ALT	Rosette	3583	07 OCT	2118	77°04.743	135°27.175	07 OCT	2213	77°04.730	135°26.951	1000m CAST
Oct 8 th 221	XCTD #47	XCTD	3703	08 Oct	0801	77°06.588	138°24.409	08 Oct	0805	77°06.590	138°24.375	XCTD #47
222	CB-15	ROSETTE	3727	08 Oct	1109	77°01.037	139°52.826	08 Oct	1330	77°01.006	139°51.379	Rosette: 3717 m cast
223	CB-15	Bongo #1	3727	08 Oct	1153	77°01.035	139°52.271	08 Oct	1157	77°01.035	139°52.221	Bongo #1: 100 m cast
224	CB-15	Bongo #2	3727	08 Oct	1208	77°01.032	139°52.114	08 Oct	1216	77°01.030	139°52.033	Bongo #2: 100 m cast
225	CB-15	Bongo #3	3731	08 Oct	1228	77°01.026	139°51.903	08 Oct	1253	77°01.017	139°51.660	Bongo #3: 500 m cast
226	XCTD #48	XCTD	3690	08 OCT	1736	76°32.376	139°58.629	08 OCT	1741	76°32.378	139°58.616	XCTD #48
227	CB-15/17	Rosette	3690	08 Oct	1926	76°32.318	139°58.660	08 Oct	1942	76°32.336	139°58.555	Rosette: 100m cast.
228	CB-17	TURBO MAP	3694	08 OCT	2245	75°59.134	139°59.022	08 Oct	2307	75°59.138	139°58.970	Turbo-map: 500m cast
229	CB-17	PRR	3694	08 Oct	2312	75°59.132	139°58.914	08 Oct	2326	75°59.131	139°58.905	PRR
230	CB-17	Rosette	3694	08 Oct	2326	75°59.128	139°58.911	08 Oct	0151	75°59.058	139°58.928	Rosette: 3696 m cast
231	CB-17	ADCP	3694	08 Oct	2337	75°59.119	139°58.927	08 Oct	0142	75°59.061	139°58.909	ADCP
232	XCTD #49	XCTD	3686	09 OCT	0422	75°29.570	140°01.933	09 OCT	0427	75°29.576	140°02.039	XCTD #49
Oct 9 th 233	CB-18	ROSETTE	3634	09 OCT	0730	75°00.232	140°03.987	09 OCT	0949	75°00.891	140°04.770	Rosette 3622 m
234	CB-18	ADCP	3634	09 OCT	0745	75°00.232	140°03.987	09 OCT	0932	75°00.806	140°04.660	ADCP
235	XCTD #50	XCTD	3640	09 OCT	1350	74°30.105	140°10.404	09 OCT	1401	74°30.122	140°10.623	XCTD #50
236	CB-21	Rosette	3527	09 OCT	2006	74°00.211	140°05.127	09 OCT	2230	74°01.973	140°06.468	Rosette 3510 m. CAST
237	CB-21	ADCP	3527	09 OCT	2016	74°00.322	140°05.243	09 OCT	2200	74°01.633	140°06.295	ADCP
238	CB-21	PRR	3526	09 OCT	2028	74°00.492	140°05.418	09 OCT	2034	74°00.561	140°05.448' W	PRR
239	CB-21	TURBO-MAP	3538	09 OCT	2252	74°02.239	140°06.671	09 OCT	2259	74°02.347	140°06.756' W	TURBOMAP 150m.
240	XCTD #51	XCTD	3437	10 OCT	0230	74°11.066	138°33.752	10 OCT	0235	74°11.146	138°33.950	XCTD #51
241	XCTD #52	XCTD	3322	10 Oct	0615	74°21.058	137°06.943	10 Oct	0617	74°21.079	137°06.968	XCTD #52
Oct 10 th 242	CB-40	ROSETTE	3266	10 Oct	1121	74°30.487	135°27.634	10 Oct	1326	74°31.567	135°27.154	Rosette: 3253m cast.
243	CB-40	ADCP	3267	10 Oct	1134	74°30.604	135°27.583	10 Oct	1303	74°31.385	135°27.225	ADCP
244	CB-41	ROSETTE	3267	10 OCT	1633	74°33.136	134°48.556	10 OCT	1735	74°33.512	134°48.768	ROSETTE ↓ 1000m
245	CB-41	PRR	3272	10 OCT	1800	74°33.747	134°48.773	10 OCT	1807	74°33.814	134°48.789	PRR

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1478 m/s

Time is: UTC

Mean Draft =

Cruise 252009

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
246	CB-41	Turbo-map	3283	10/OCT	2222	74°35.761	134°49.743	10 OCT	2240	74°35.881	134°49.573	Turbo-map
247	CB-41	PRR	3283	10/OCT	2243	74°35.909	134°49.588	10 OCT	2251	74°35.923	134°49.561	PRR
248	CB-21	Rosette	3513	11 OCT	1203	74°00.259	139°52.192	11 OCT	1417	74°00.447	139°52.388	Rosette Full Depth 349
249	CB-21	ADCP	3513	11 OCT	1232	74°00.315	139°52.231	11 OCT	1430	74°00.455	139°52.407	ADCP
250	CB-21	Bongo	3513	11 OCT	1247	74°00.338	139°52.243	11 OCT	1253	74°00.336	139°52.262	Bongo #1 (100m)
251	CB-21	Bongo #2	3513	11 OCT	1301	74°00.325	139°52.270	11 OCT	1307	74°00.341	139°52.262	Bongo #2 (100m)
252	CB-21	Bongo #3	3513	11 OCT	1315	74°00.350	139°52.313	11 OCT	1340	74°00.398	139°52.377	Bongo #3 (500m)
253	CB-21	Bongo #4	3513	11 OCT	1406	74°00.441	139°52.408	11 OCT	1418	74°00.447	139°52.388	Bongo #4 (200m)
254	CB-21	Bongo #5	3514	11 OCT	1438	74°00.486	139°52.438	11 OCT	1525	74°00.490	139°52.614	Bongo #5 (1000m)
255	BGOS-D	Mooring	3527	11 OCT	1827	73°59.988	139°59.707	11 OCT	2147	74°00.593	140°02.650	BGOS-D Recovery.
256	CB-21	PRR	3528	11 OCT	2134	74°00.758	140°03.510	11 OCT	2141	74°00.806	140°03.717	PRR
257	CB-21	Turbo-map	3528	11 OCT	2255	74°00.881	140°03.727	11 OCT	2309	74°00.988	140°03.999	Turbo-map
258	XCTD #53	XCTD	3646	12 OCT	0245	74°11.553	141°43.915	12 OCT	0251	74°11.693	141°44.136	XCTD #53
259	CB-6E	Rosette	3706	12 OCT	0630	74°21.460	143°24.714	12 OCT	0852	74°22.420	143°26.453	Rosette
260	CB-6E	ADCP	3707	12 OCT	0638	74°21.316	143°24.732	12 OCT	0838	74°22.329	143°26.191	ADCP
261	CB-21	Mooring	3527	12 OCT	1730	73°58.998	140°00.288	12 OCT	2149	73°59.744	139°59.698 W	Mooring Deployed
262	CB-21	Rosette	3511	12 OCT	2158	73°59.764	139°59.638	12 OCT	2215	73°59.804	139°59.492 W	Rosette
263	XCTD #54	XCTD	3383	13 OCT	0017	73°45.177	138°59.564	13 OCT	0023	73°45.154	139°59.349	XCTD #54
264	CB-22	Rosette	3189	13 OCT	0248	73°31.416	137°54.821	13 OCT	0447	73°31.110	137°53.880	Rosette Full Depth 3178 m
265	CB-22	CTD	3189	13 OCT	0317	73°31.367	137°54.624	13 OCT	0345	73°31.323	137°54.486	CTD with Niskins-on-wire
266	CB-22	Bongos	3189	13 OCT	0352	73°31.367	137°54.62	13 OCT	0357	73°31.32	137°54.486	Testing Flow meters
267	CB-22	Bongos	3189	13 OCT	0359	73°31.372	137°54.350	13 OCT	0404	73°31.257	137°54.287	Testing Flow meters
268	CABOS	Mooring	1126	14 OCT	0020	71°49.705	131°45.753	14 OCT	0149	71°49.707	131°46.601	Mooring deployed (1120m)
269	CABOS	Rosette	1125	14 OCT	0206	71°49.660	131°46.950	14 OCT	0300	71°49.779	131°47.695	Rosette Full Depth 101m
270	CABOS	ADCP	1121	14 OCT	0213	71°49.693	131°47.062	14 OCT	0244	71°49.770	131°47.532	ADCP
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