

Depth Correction Factor = 0.9863

Bridge Log

Mean Draft = 9m

TIME IS Z - 5 UNLESS NOTED

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time Z	Latitude	Longitude	Date	Time Z	Latitude	Longitude	
1	TEST	ROSETTE	388.7	20 JUL	1944	69°30.498	117°40.997	20 JUL	2006	69°30.612	117°40.738	TEST CAST (Z-4)
2	AG5	ADCP	668.8	21 JUL	0450	70°33.115	122°54.271	21 JUL	0709	70°33.273	122°53.821	
3	AG5	BONGO 1	661.9	21 JUL	0510	70°33.042	122°54.243	21 JUL	0513	70°33.048	122°54.279	100 m CAST
4	AG5	BONGO 2	664.9	21 JUL	0523	70°33.079	122°54.294	21 JUL	0528	70°33.095	122°54.186	100 m CAST
5	AG5	ROSETTE	638.4	21 JUL	0551	70°33.123	122°54.331	21 JUL	0701	70°33.24	122°53.87	630 m CAST
6	126°W	XCTD #1	404.5	22 JUL	0136	70°59.458	125°59.765	22 JUL	0141	70°59.884	126°02.830	
7	129°W	XCTD #2	105.2	22 JUL	0557	71°26.342	128°59.986	22 JUL	0603	71°26.747	129°03.121	
8	130°30'W	XCTD #3	291.1	22 JUL	0820	71°39.255	130°30.317	22 JUL	0822	71°39.443	130°31.597	
9	CBI	ADCP	1102 m	22 JUL	1047	71°49.677'	131°45.566'	22 JUL	1221	71°49.662'	131°44.875'	
10	CBI	ROSETTE	1101 m	22 JUL	1100	71°49.653'	131°45.496'	22 JUL	1211	71°49.686'	131°44.892'	
11	CBI	BONGO 1	1101	22 JUL	1123	71°49.652'	131°45.345'	22 JUL	1130	71°49.666'	131°45.305'	100 m CAST
12	CBI	BONGO 2	1101	22 JUL	1138	71°49.696'	131°45.240'	22 JUL	1143	71°49.695'	131°45.171'	100 m CAST
13	CABOS	MRNG	1114	22 JUL	1503	71°49.698'	131°46.589'	22 JUL	1625	71°49.681'	131°46.575	1114 m
14	133°30'W	XCTD #4	1197 m	22 JUL	2016	71°34.287	133°29.235'	22 JUL	2023	71°33.727	133°30.890	
15	135°W	XCTD #5	1650	22 JUL	2229	71°31.784'	135°00.260'	22 JUL	2238	71°32.840'	135°01.561	
16	136°30'	XCTD 6	1829	23 JUL	0045	71°32.202'	136°30.441'	23 JUL	0050	71°32.224'	136°34.064'	
17	138°W	XCTD #7	2030 m	23 JUL	0243	71°33.106'	137°59.616'	23 JUL	0253	71°32.904'	138°02.693'	
18	MK-6	ADCP	2450 m	23 JUL	0558	71°35.169	140°00.550'	23 JUL	0815	71°35.106'	140°00.435	
19	MK-6	ROSETTE	2456 m	23 JUL	0604	71°35.155	140°00.579'	23 JUL	0757	71°35.123	140°00.528	2460 m Cast
20	MK-6	BONGO 1	2460 m	23 JUL	0611	71°35.185	140°00.568'	23 JUL	0617	71°35.157	140°00.600'	100 m CAST
21	MK-6	BONGO 2	2458 m	23 JUL	0625	71°35.144	140°00.602	23 JUL	0630	71°35.164	140°00.585'	100 m CAST
22	140°W	XCTD 8	2270 m	23 JUL	0937	71°17.170	140°00.137	23 JUL	0943	71°16.002	140°00.246	
23	MK-5	ADCP	2069 m	23 JUL	1100	71°00.045'	140°00.061	23 JUL	0759	70°59.855	139°59.913	
24	MK-5	ROSETTE	2062 m	23 JUL	1111	71°00.075'	140°00.004'	23 JUL	2060	70°59.926	140°00.028	
25	MK-5	BONGO 1	2062 m	23 JUL	1118	71°00.084'	139°59.913'	23 JUL	1125	71°00.088'	139°59.871'	100 m CAST
26	MK-5	BONGO 2	2061 m	23 JUL	1134	71°00.104	139°59.897'	23 JUL	1139	71°00.106'	139°59.866'	100 m CAST
27	MK-4	ADCP	1540 m	23 JUL	1512	70°48.657	140°00.439	23 JUL	1658	70°48.765'	140°00.675'	
28	MK-4	ROSETTE	1479 m	23 JUL	1543	70°48.735'	140°00.916'	23 JUL	1650	70°48.764'	140°00.656	1481 m CAST.
29	MK-3	ADCP	789 m	23 JUL	1859	70°34.486'	140°00.047'	23 JUL	1501	70°34.210	140°00.399	
30	MK-3	ROSETTE	806 m	23 JUL	1906	70°34.457	140°00.135	23 JUL	1952	70°34.194	140°00.430	766 m CAST
31	MK-3	BONGO 1	769 m	23 JUL	1935	70°34.199	140°00.391	23 JUL	1947	70°34.189	140°00.423	100 m CAST
32	MK-3	BONGO 2	771 m	23 JUL	1955	70°34.195	140°00.421	23 JUL	2001	70°34.210	140°00.399	100 m CAST
33	MK-2	XCTD #9	500 m	23 JUL	2101	70°23.876'	140°00.208'	23 JUL	2103	70°23.408'	140°00.143'	
34	MK-1	ADCP	237.7	23 JUL	2238	70°13.752	140°00.143	23 JUL	2312	70°13.765	140°00.009	
35	MK-1	ROSETTE	238.3	23 JUL	2242	70°13.761	140°00.150	23 JUL	2302	70°13.758	140°00.082	

Depth Correction Factor = 0.9863 (SKIPPER ONLY)

Mean Draft = 8.6

TIME IS: Z-5

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
36	MK-1	BON60#1	238.7	23 JUL	2321	70°13.748	140°00.027	23 JUL	2328	70°13.724	140°00.031	100m cast
37	MK-1	BON60#2	238.6	23 JUL	2335	70°13.716	140°00.041	23 JUL	2342	70°13.715	140°00.054	100 m cast
38	CB-28aa	ADCP	48	24 JUL	0100	69°59.969	140°00.008	24 JUL	0125	69°59.975	140°00.017	
39	CB-28aa	ROSETTE	48	24 JUL	0107	69°59.974	140°00.097	24 JUL	0116	69°59.977	140°00.094	
40	70.29°N	XCTD 10	164	24 JUL	0249	70°17.161	140°29.184	24 JUL	0253	70°17.536	140°29.772	
41	70.47°N	XCTD 11	520	24 JUL	0356	70°30.764	140°50.545	24 JUL	0359	70°31.190	140°51.166	
42	70.62°N	XCTD 12	1019	24 JUL	0423	70°35.770	140°59.479	24 JUL	0429	70°36.551	141°00.944	
43	70.70°N	XCTD 13	1500	24 JUL	0453	70°41.493	141°09.919	24 JUL	0500	70°42.276	141°11.305	
44	70.85°N	XCTD 14	2014	24 JUL	0543	70°51.458	141°25.164	24 JUL	0549	70°52.280	141°26.357	
45	71.10°N	XCTD 15	2498	24 JUL	0651	71°06.163	141°50.746	24 JUL	0657	71°07.022	141°52.233	
46	71.50°N	XCTD 16	2890	24 JUL	0842	71°29.971	142°33.260	24 JUL	0848	71°30.948	142°34.373	
47	71.90°N	XCTD 17	3000	24 JUL	1033	71°54.250	143°15.816	24 JUL	1040	71°55.341	143°17.722'	
48	72.30°N	XCTD 18	3204	24 JUL	1231	72°18.280'	143°59.130'	24 JUL	1238	72°19.300'	143°01.030'	
49	STA-A	ADCP	3410	24 JUL	1439	72°41.246'	144°41.444'	24 JUL	1444	72°41.266	144°42.322	
50	STA-A	ROSETTE 1	3410	24 JUL	1445	72°41.247'	144°41.421'	24 JUL	1756	72°41.407	144°41.971	FULL DEPTH CAST 3410 m
51	STA-A	BON60 1	3400	24 JUL	1455	72°41.279	144°41.496'	24 JUL	1502	72°41.311'	144°41.466'	100m CAST
52	STA-A	BON60 2	3400	24 JUL	1511	72°41.371	144°41.420'	24 JUL	1517	72°41.391'	144°41.300'	100m CAST
53	STA-A	CTD #1	3399	24 JUL	1809	72°41.55	144°42.59	24 JUL	1813	72°41.56'	144°42.55'	FRC - HAND CAST
54	STA-A	CTD #2	3399	24 JUL	1824	72°41.58	144°42.68	24 JUL	1832	72°41.64'	144°42.64'	FRC - HAND CAST
55	STA-A	CTD #3	3401	24 JUL	1837	72°41.66'	144°42.56	24 JUL	1840	72°41.67'	144°42.54'	FRC - HAND CAST
56	STA-A	CTD #4	3400	24 JUL	1843	72°41.69	144°42.46	24 JUL	1845	72°41.70'	144°42.43'	FRC - HAND CAST
57	STA-A	CTD #5	3400	24 JUL	1848	72°41.68	144°42.63	24 JUL	1852	72°41.67'	144°42.64	FRC - HAND CAST
58	STA-A	ROSETTE #2	3408.6	24 JUL	1937	72°41.271	144°42.262	24 JUL	2036	72°41.306	144°42.503	1000m CAST CHANGE SHIP'S DRAFT
59	STA-A	ROSETTE #3	3407.6	24 JUL	2114	72°41.179	144°42.807	24 JUL	2220	72°41.221'	144°42.105'	700 m CAST
60	146°13'	XCTD 19	3477	25 JUL	0030	72°29.453'	146°13.070'	25 JUL	0036	72°29.023'	146°16.742'	
61	147°44'	XCTD 20	3521	25 JUL	0227	72°17.928	147°42.817	25 JUL	0233	72°17.466	147°45.946	
62	149°14'	XCTD 21	3420.6	25 JUL	0459	72°06.011	149°12.527	25 JUL	0505	72°05.606	149°15.823	
63	BL-8	ADCP	2985.6	25 JUL	0705	71°57.891	150°13.509	25 JUL	0919	72°58.562	150°15.139	
64	BL-8	ROSETTE	2985.6	25 JUL	0711	71°57.884	150°13.569	25 JUL	0911	71°58.520	150°15.644	2997m CAST
65	BL-8	BON60#1	2970.6	25 JUL	0718	71°57.909	150°13.613	25 JUL	0725	71°57.954	150°13.671	100m CAST
66	BL-8	BON60#2	2967.6	25 JUL	0736	71°57.944	150°13.833	25 JUL	0742	71°57.938	150°13.940	100m CAST
67	150°40'	XCTD 22	2511	25 JUL	1130	71°48.586	150°39.223	25 JUL	1135	71°47.900'	150°40.499'	REPLACES BL-7
68	BL-4	ADCP	1810	25 JUL	1353	71°30.075'	151°39.416'	25 JUL	1500	71°30.140	151°39.400'	
69	BL-4	ROSETTE	1810	25 JUL	1356	71°30.072'	151°39.431'	25 JUL	1446	71°30.135'	151°39.389'	1000m CAST
70	BL-4	BON60 1	1001	25 JUL	1412	71°30.105'	151°39.416'	25 JUL	1419	71°30.108'	151°39.462'	100 m

Depth Correction Factor = 0.9863 (SKIPPER ONLY)

Speed of Sound
Knudsen = 1450 m/s

Mean Draft = 8.6 m

Time is Z-5 & Z-6

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
71	BL-4	BONGO 2	100.4	25 Jul	1429	71°30.119'	151°39.394'	25 Jul	1435	71°30.122'	151°39.403'	100 m
72	BL-2	ADCP	139.4	25 JUL	1618	71°23.727	152°02.254	25 JUL	1724	71°23.741	152°02.265	
73	BL-2	BONGO 1	141.0	25 JUL	1631	71°23.752	152°02.179	25 JUL	1637	71°23.754	152°02.208	100 m
74	BL-2	BONGO 2	140.4	25 JUL	1646	71°23.742	152°02.149	25 JUL	1652	71°23.743	152°02.168	100 m
75	BL-2	Rosette	140.5	25 Jul	1700	71°23.745	152°02.203	25 Jul	1722	71°23.747	152°02.265	142 m Cast
76	BL-3	ROSETTE	412.4	25 JUL	1902	71°27.342	151°49.257	25 JUL	1926	71°27.326	151°49.377	NO WATER SAMPLES TAKEN
77	BL-3	ADCP	411.1	25 JUL	1911	71°27.338	151°49.324	25 JUL	1929	71°27.326	151°49.377	MOVE TO 600 m FOR 2ND CAST
78	BL-3b	ROSETTE	633.8	25 JUL	1954	71°28.178	151°46.632	25 JUL	2025	71°28.147	151°46.818	100 m CAST
79	BL-3b	ADCP	609.2	25 Jul	2007	71°28.167	151°46.684	25 JUL	2121	71°28.115	151°46.720	
80	BL-3b	ROSETTE#2	584.9	25 JUL	2111	71°28.089	151°46.747	25 JUL	2159	71°28.137	151°46.620	580 m CAST
81	BL-5	ROSETTE	1565.6	25 JUL	2357	71°35.599	151°21.569	26 JUL	0054	71°35.583	151°21.460	1502 m CAST
82	BL-5	ADCP	1563.6	26 JUL	0005	71°35.591	151°21.628	26 JUL	0102	71°35.663'	151°21.450'	
83	BL-6	ADCP	2000	26 Jul	0150	71°39.513'	151°13.842'	26 Jul	0336	71°39.446	151°14.011	
84	BL-6	ROSETTE	2000	26 Jul	0200	71°39.511'	151°13.862'	26 JUL	0327	71°39.457	151°14.027	DEPTH @ BOTTOM 2010 m.
85	72°15'N	XCTD#23	3456.6	26 JUL	0619	72°15.379	150°21.762	26 JUL	0626	72°16.443	150°20.753	
86	CB-2a	XCTD#24	3654.6	26 JUL	0725	72°30.129	149°59.599	26 JUL	0731	72°31.229	149°59.569	
87	72°45'N	XCTD#25	3664.6	26 JUL	0826	72°44.890	149°59.655	26 JUL	0834	72°46.430	149°59.681	
88	CB-2	ADCP	3676.6	26 JUL	0938	73°00.035	150°00.037	26 JUL	1221	73°00.029'	150°00.018'	
89	CB-2	ROSETTE	3681.6	26 JUL	0945	73°00.012	149°59.989	26 JUL	1206	73°00.030	150°00.001'	3679 m CAST
90	CB-2	BONGO#1	3679.6	26 JUL	0952	73°00.000	150°00.035	26 JUL	0957	73°00.001	150°00.021	100 m CAST
91	CB-2	BONGO#2	3682.6	26 JUL	1009	73°00.005	149°59.972	26 JUL	1014	72°59.997	149°59.967	100 m CAST
92	73°30'N	XCTD#26	3728	26 JUL	1430	73°30.627	150°00.226	26 JUL	1436	73°31.710	150°00.152	
93	CB-3	ADCP	3750	26 JUL	1650	73°59.990'	150°00.139'	26 JUL	1952	74°00.068	150°00.375	
94	CB-3	BONGO 1	3750	26 JUL	1651	73°59.995'	150°00.120'	26 JUL	1708	73°59.949'	150°00.306'	200 m CAST.
95	CB-3	ROSETTE	3750	26 JUL	1702	73°59.983'	150°00.537'	26 JUL	2001	74°00.084	150°00.249	3810 m Cast
96	CB-3	BONGO 2	3750	26 JUL	1714	73°59.955'	150°00.233'	26 JUL	1720	73°59.949'	150°00.164'	100 m CAST.
97	74°15'W	XCTD#27	3730.6	26 JUL	2143	74°14.928	148°52.102	26 JUL	2150	74°15.644	148°48.955	
98	CB-6	ADCP	3717	26 JUL	2335	74°30.018	147°44.086	27 JUL	0202	74°30.016	147°43.970	KNUDSEN CHANGED TO 1479 m/s.
99	CB-6	ROSETTE	3720	26 JUL	2340	74°29.978	147°44.085	27 JUL	0213	74°29.991	147°43.959	
100	CB-6	PINGER	3791	27 JUL	0112	74°30.015	147°44.002	27 JUL	0148	74°29.992	147°44.102	
101	74°35	XCTD#28	3800	27 JUL	0338	74°34.800	148°51.155	27 JUL	0343	74°35.625	148°53.686	
102	CB-4	Pump #1	3817	27 JUL	0658	74°59.140	149°58.589	27 JUL	1341	74°59.581'	149°56.605'	KNUDSEN OFF
103	CB-4	PUMP#2		27 JUL	0700	74°59.140	149°58.573	27 JUL	1346	74°59.563'	149°56.646'	
104	CB-4	PUMP#3		27 JUL	0704	74°59.136	149°58.517	27 JUL	1337	74°59.533'	149°56.688'	
105	CB-4	PUMP#4		27 JUL	0706	74°59.132	149°58.505	27 JUL	1336	74°59.511'	149°56.718	

Z-6
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Depth Correction Factor = 0.9863 (SKIPPER ONLY)

KNUDSEN SPEED OF
SOUND: 1479 m/s

Mean Draft = 8.6m

TIME IS Z-6

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
106	CB-4	PUMP#5	3817	27 JUL	0714	74°59.106	149°58.374	27 JUL	1328	74°59.448	149°56.828	KNUDSEN OFF
107	CB-4	PUMP#6		27 JUL	0717	74°59.103	149°58.384	27 JUL	1326	74°59.431	149°56.848	
108	CB-4	PUMP#7		27 JUL	0730	74°59.145	149°58.335	27 JUL	1314	74°59.385	149°56.896	
109	CB-4	PUMP#8		27 JUL	0733	74°59.141	149°58.333	27 JUL	1310	74°59.376	149°56.913	
110	BGFE-A	RECOVERY		27 JUL	1533	75°00.203	149°58.182	27 JUL	1950	75°01.052	149°59.306	
111	CB-4	CTD#1		27 JUL	2040	?	?	27 JUL	2041	?	?	FRL
112	CB-4	CTD#2		27 JUL	2044	?	?	27 JUL	2045	?	?	FRL
113	CB-4	ROSETTE	3827	27 JUL	2142	74°59.533	150°03.346	27 JUL	2315	74°59.744	150°01.788	
114	CB-4	ADCP	3827	27 JUL	2156	74°59.494	150°03.230	27 JUL	2321	74°59.805	150°01.675	
115	CB-4	PUMP#1	3826	28 JUL	0003	74°59.817	149°59.825	28 JUL	0633	75°00.477	149°56.660	
116	CB-4	PUMP#2		28 JUL	0025	74°59.518	149°59.489	28 JUL	0618	75°00.371	149°56.684	735
117	CB-4	PUMP#3		28 JUL	0039	74°59.555	149°59.290	28 JUL	0606	75°00.295	149°56.716	1240
118	CB-4	PUMP#4		28 JUL	0107	74°59.607	149°58.847	28 JUL	0553	75°00.219	149°56.615	1735
119	CB-4	PUMP#5		28 JUL	0118	74°59.598	149°58.785	28 JUL	0538	75°00.188	149°56.443	2240
120	CB-4	PUMP#6		28 JUL	0129	74°59.639	149°58.709	28 JUL	0524	75°00.125	149°56.449	2740
121	CB-4	PUMP#7		28 JUL	0146	74°59.568	149°58.504	28 JUL	0458	75°00.033	149°56.500	3590 m
122	CB-4	PUMP#8		28 JUL	0152	74°59.593	149°58.454	28 JUL	0452	75°00.014	149°56.517	3690 m CABLE OUT (TOTAL 3750m)
123	CB-4	ROSETTE	3816	28 JUL	0712	75°01.291	149°54.077	28 JUL	0939	75°01.891	149°53.531	3813 m
124	CB-4	BONGO 1	3818	28 JUL	0721	75°01.302	149°54.017	28 JUL	0728	75°01.280	149°53.920	100m CAST
125	CB-4	BONGO 2	3818	28 JUL	0734	75°01.309	149°53.915	28 JUL	0741	75°01.328	149°53.981	100m CAST
126	CB-4	BONGO 3	3825	28 JUL	1011	75°02.047	149°52.967	28 JUL	1102	75°02.032	149°52.244	1000m CAST
127	CB-4	BONGO 4	3828	28 JUL	1115	75°02.029	149°51.903	28 JUL	1140	75°02.085	149°51.495	500 m CAST
128	BGOS-A	DEPLOY	3818	28 JUL	1549	75°00.327	150°01.221	28 JUL	2040	74°59.998	150°00.002	
129	151°38.5W	XCTD 29	3841	29 JUL	0036	75°08.143	151°40.772	29 JUL	0042	75°08.187	151°40.812	
130	152°30.4W	XCTD 30	3837	29 JUL	0210	75°12.789	152°30.391	29 JUL	0216	75°13.098	152°33.512	
131	CB-5	ROSETTE	3847	29 JUL	0434	75°19.161	153°16.789	29 JUL	0700	75°19.574	153°16.720	
132	CB-5	ADCP	3847	29 JUL	0443	75°19.163	153°16.766	29 JUL	0710	75°19.637	153°16.771	
133	153°57W	XCTD 31	3847	29 JUL	0840	75°22.301	153°57.859	29 JUL	0848	75°22.293	153°59.982	
134	154°35'	XCTD 32	3838	29 JUL	1004	75°26.669	154°35.212	29 JUL	1010	75°26.051	154°38.300	
135	RS-6	ADCP	3846	29 JUL	1112	75°30.784	155°16.141	29 JUL	1349	75°30.807	155°	
136	RS-6	ROSETTE	3851	29 JUL	1117	75°30.794	155°16.135	29 JUL	1342	75°30.811	155°16.044	3840 m
137	RS-6	BONGO 1	3851	29 JUL	1125	75°30.791	155°16.089	29 JUL	1131	75°30.803	155°16.086	100 m CAST
138	RS-6	BONGO 2	3851	29 JUL	1138	75°30.812	155°16.081	29 JUL	1143	75°30.804	155°16.046	100 m CAST
139	RS-5	XCTD 33	2908	29 JUL	1500	75°37.511	155°52.920	29 JUL	1507	75°37.598	155°52.688	
140	RS-4	XCTD 34	2470	29 JUL	1513	75°37.839	155°58.206	29 JUL	1529	75°37.943	155°58.126	

Depth Correction Factor = 0.9863 (SKIPPER ONLY)

SOUND: 1479 m/s

Mean Draft = 8.6m

TIME IS: Z -6

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
141	RS-3	XCTD 35	2032	29 JUL	1559	75°38.138	156°08.154	29 JUL	1605	75°38.153	156°08.324	
142	RS-1	ADCP	1003	29 JUL	1759	75°44.611	157°05.689	29 JUL	1904	75°44.282	157°04.993	
143	RS-1	Rosette	1006	29 JUL	1807	75°44.570	157°05.571	29 JUL	1912	75°44.209	157°05.083	990m CAST
144	RS-1	Bongo 1	1008	29 JUL	1830	75°44.420	157°05.231	29 JUL	1837	75°44.460	157°05.016	100m CAST
145	RS-1	BONGO 2	1010	29 JUL	1843	75°44.425	157°05.101	29 JUL	1848	75°44.401	157°05.062	100m CAST
146	RS-1	DRIFT BOTTLES	-	29 JUL	1837	75°44.460	157°05.016					48 DRIFT BOTTLES DEPLOYED
147	156°42'W	XCTD 36	1221	29 JUL	1951	75°42.495	156°44.325	29 JUL	1955	75°42.308	156°42.010	
148	RS-2	ROSETTE	1603	29 JUL	2115	75°39.636	156°15.496	29 JUL	2227	75°39.206	156°15.406	1594m CAST
149	RS-2	ADCP	1597	29 JUL	2127	75°39.506	156°15.564	29 JUL	2214	75°39.151	156°15.395	
150	RS-2	BONGO 1	1598	29 JUL	2135	75°39.426	156°15.692	29 JUL	2142	75°39.385	156°15.836	
151	RS-2	BONGO 2	1607	29 JUL	2149	75°39.342	156°16.093	29 JUL	2156	75°39.310	156°16.268	
152	RS-2	FLOAT	1613	29 JUL	2236	75°39.186	156°16.117					POLAR PROFILING FLOAT
153	155°58'W	XCTD 37	2333	29 JUL	2321	75°40.939	155°58.464	29 JUL	2329	75°41.223	155°54.069	
154	155°40'W	XCTD 38	3431	29 JUL	2353	75°42.069	155°39.481	29 JUL	2359	75°42.288	155°34.830	
155	155°20'W	XCTD 39	3842	30 JUL	0019	75°43.069	155°20.389	30 JUL	0024	75°43.238	155°17.531	
156	154°40'W	XCTD 40	3836	30 JUL	0117	75°45.055	154°39.087	30 JUL	0120	75°45.309	154°36.069	
157	154°00'W	XCTD 41	3836	30 JUL	0212	75°47.362	154°00.217	30 JUL	0216	75°47.578	153°57.204	
158	153°18'W	XCTD 42	3835	30 JUL	0307	75°49.670	153°21.012	30 JUL	0311	75°49.881	153°18.087	
159	152°40'W	XCTD 43	3834	30 JUL	0401	75°53.618	152°42.735	30 JUL	0405	75°53.841	152°39.615	
160	151°59'W	XCTD 44	3831	30 JUL	0458	75°54.613	151°59.007	30 JUL	0502	75°54.777	151°55.705	
161	151°21'W	XCTD 45	3829	30 JUL	0547	75°55.814	151°21.290	30 JUL	0552	75°55.900	151°17.461	
162	CB-7	ADCP	3832	30 JUL	0805	75°59.796	149°58.623	30 JUL	0447	75°59.540	149°59.136	
163	CB-7	ROSETTE	3832	30 JUL	0812	75°59.771	149°58.569	30 JUL	1038	75°59.549	149°59.027	3819m CAST
164	CB-7	BONGO 1	3835	30 JUL	0819	75°59.756	149°58.415	30 JUL	0825	75°59.735	149°58.375	100m CAST
165	CB-7	BONGO 2	3832	30 JUL	0832	75°59.710	149°58.356	30 JUL	0838	75°59.676	149°58.349	100m CAST
166	76°30'N	XCTD 46	3819	30 JUL	1306	76°30.00'	150°00.195	30 JUL	1311	76°30.856	150°00.032	
167	CB-8	Rosette	3826	30 JUL	1608	76°59.875	150°02.585	30 JUL	1847	77°01.432	150°07.733	3814m
168	CB-8	Bongo 1	3819	30 JUL	1627	76°59.917	150°03.096	30 JUL	1633	76°59.946	150°03.449	100m CAST.
169	CB-8	BONGO 2	3817	30 JUL	1641	76°59.995	150°03.882	30 JUL	1649	77°00.046	150°04.268	100m CAST.
170	CB-8	ADCP	3819	30 JUL	1700	77°00.176	150°04.779	30 JUL	1825	77°01.151	150°07.356	
171	148°20'W	XCTD 47	3821	30 JUL	2236	77°21.259	148°20.820	30 JUL	2240	77°21.802	148°20.584	
172	CB-12	ROSETTE 1	3813	31 JUL	0146	77°41.038	146°44.500	31 JUL	0245	77°40.896	146°44.136	1000m CAST
173	CB-12	ROSETTE 2	3812	31 JUL	0322	77°40.685	146°44.794	31 JUL	0546	77°39.922	146°44.797	3800m CAST
174	CB-12	ADCP	3812	31 JUL	0328	77°40.647	146°44.932	31 JUL	0439	77°40.205	146°46.835	
175	148°19'W	XCTD 48	3822	31 JUL	0900	77°51.507	148°19.523	31 JUL	0907	77°51.518	148°20.037	XCTD FAILED

Depth Correction Factor = 0.9863 (SKIPPER ONLY)

KNUDSEN SPEED OF
SOUND: 1479 m/s

Mean Draft = 8.6 m

TIME IS UTC - 6

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
176	148°19	XCTD49	3821	31 JUL	0913	77°51.534	148°20.492	31 JUL	0918	77°51.547	148°20.646	
177	CB-9	RECOVERY	3825	31 JUL	1739	77°59.02'	149°59.54'	31 JUL	2155	77°58.609'	150°06.810'	MOORING BGFE-B
178	CB-9	ROSETTE 1	3327	01 AUG	0052	78°00.176	150°10.524	01 AUG	0322	78°00.114'	150°07.898'	3820 m.
179	CB-9	ADCP	3827	01 AUG	0107	78°00.226	150°10.326	01 AUG	0230	78°00.286	150°08.795	
180	CB-9	BONGO 1	3826	01 AUG	0355	77°59.940	150°07.538	01 AUG	0424	77°59.751	150°07.341	500 m.
181	CB-9	BONGO 2	3826	01 AUG	0433	77°59.707	150°07.314	01 AUG	0439	77°59.664	150°07.296	100 m
182	CB-9	ROSETTE 2	3826	01 AUG	0648	77°58.803	150°08.258	01 AUG	0753	77°58.655	150°10.783	1000 m CAST - (no pump on Reduc)
183	CB-9	BONGO 3	3826	01 AUG	0702	77°58.753	150°08.757	01 AUG	0705	77°58.744	150°08.865	50 m CAST (STRONG CURRENT)
184	CB-9	ROSETTE 3	3827	01 AUG	0814	77°58.648	150°11.678	01 AUG	0927	77°58.711	150°15.140	1000 m
185	CB-9	ROSETTE 4	3828	01 AUG	1005	77°58.939	150°16.851	01 AUG	1058	77°59.261	150°18.839	800 m CAST
186	CB-9	BONGO 4	3827	01 AUG	1114	77°59.385	150°19.282	01 AUG	1207	77°59.712°	150°20.048	1000 m.
187	CB-9	BONGO 5	3826	01 AUG	1215	77°59.928'	150°20.080	01 AUG	1221	77°59.869	150°20.096	100 m
188	CB-9	DEPLOY	3826	01 AUG	1508	78°00.950	150°02.970	01 AUG	1813	77°59.859	150°04.887	WHOI MOORING BGOS-B
189	CB-9	PUMP #1	3827	01 AUG	1941	78°00.265	150°07.236	02 AUG	0136	78°01.400	150°16.976	
190	CB-9	PUMP #2	3827	01 AUG	1944	78°00.261	150°07.233	02 AUG	0133	78°01.390	150°16.980	
191	CB-9	PUMP #3	3827	01 AUG	2021	78°00.180	150°08.424	02 AUG	0103	78°01.322	150°17.245	
192	CB-9	PUMP #4	3827	01 AUG	2024	78°00.175	150°08.597	02 AUG	0101	78°01.322	150°17.285	
193	CB-9	PUMP #5	3827	01 AUG	2037	78°00.166	150°09.416	02 AUG	0104	78°01.197	150°17.140	
194	CB-9	PUMP #6	3827	01 AUG	2041	78°00.158	150°09.473	02 AUG	0040	78°01.170	150°17.079	
195	CB-9	PUMP #7	3827	01 AUG	2054	78°00.133	150°10.286	02 AUG	0028	78°01.096	150°16.906	
196	CB-9	PUMP #8	3827	01 AUG	2059	78°00.118	150°10.485	02 AUG	0017	78°01.040	150°16.928	
197	CB-9	CTD		01 AUG	2116	78°00.59	150°10.91					FRC CAST
198	151°05 W	XCTD #50	3824	02 AUG	0245	78°05.225	151°04.018	02 AUG	0249	78°05.514	151°04.995	
199	151°52 W	XCTD #51	3834	02 AUG	0357	78°09.508	151°50.422	02 AUG	0401	78°09.370	151°51.903	
200	152°32 W	XCTD #52	3650	02 AUG	0504	78°14.703	152°32.380	02 AUG	0509	78°14.832	152°33.417	
201	152°56 W	XCTD #53	3318	02 AUG	0540	78°16.375	152°56.468	02 AUG	0544	78°16.641	152°56.600	
202	CB-10	ADCP	3233	02 AUG	0643	78°19.725	152°01.174	02 AUG	0908	78°20.142	153°03.402	
203	CB-10	ROSETTE	3191	02 AUG	0654	78°19.752	153°01.295	02 AUG	0859	78°20.143	153°03.307	3090 m CAST
204	CB-10a2	ADCP	2289	02 AUG	1034	78°20.172'	153°21.311'	02 AUG	1424	78°20.332	153°18.501	
205	CB-10a2	ROSETTE 1	2289	02 AUG	1044	78°20.166'	153°21.552'	02 AUG	1148	78°20.363'	153°21.374'	1000 m CAST.
206	CB-10a2	ROSETTE 2	2307	02 AUG	1227	78°20.364'	153°21.080'	02 AUG	1413	78°20.350'	153°18.790'	
207	CB-10a2	FLOAT	2285	02 AUG	1439	78°20.281	153°22.487					WHOI PROFILING FLOAT
208	CB-10a	ROSETTE	938 m	02 AUG	1635	78°17.535'	154°06.013'	02 AUG	1729	78°17.104'	154°06.218'	920 m CAST.
209	CB-10a	BONGO	895 m	02 AUG	1938	78°15.692	154°04.664	02 AUG	1944	78°15.704'	154°04.701'	100 m CAST.
210	153°36' W	XCTD 54	1804 m	02 AUG	2140	78°22.810	153°24.257	02 AUG	2144	78°23.076	153°21.899	

(SKIPPER ONLY)
Depth Correction Factor = 0.9863

KNUDSEN SPEED OF SOUND
1479 m/s

Mean Draft = 8.6

TIME SUIC-6 HRS

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
211	153°21'W	XCTD#55	2706	02 AUG	2220	78°27.293	153°11.384	02 AUG	2225	78°27.604	153°09.510	
212	152°52'W	XCTD#56	3494	02 Aug	2235	78°28.850	152°52.930	02 Aug	2240	78°29.569	152°52.930	
213	152°23'W	XCTD 57	3873	02 AUG	2330	78°36.686	152°26.702	02 AUG	2335	78°36.915	152°28.820	
214	151°44'W	XCTD 58	3822	03 AUG	0039	78°43.791	151°41.770	03 AUG	0043	78°43.839	151°41.485	
215	151°01'W	XCTD 59	3830	03 AUG	0205	78°49.972	151°02.340	03 AUG	0209	78°50.029	151°01.315	
216	CB-11	Rosette	3828	03 AUG	0447	79°01.041	149°53.200	03 AUG	0720	79°00.411	149°48.760	Full cast 3810 m
217	CB-11	ADCP	3828	03 AUG	0453	79°01.050	149°52.825	03 AUG	0727	79°00.406	149°48.504	
218	79°30'	XCTD 60	3820	03 AUG	1147	79°30.122	149°59.630	03 AUG	1151	79°30.188	149°59.433	
219	CB-11b	ROSETTE	3816	03 AUG	1649	80°01.265	149°47.254	03 AUG	1923	80°01.436	149°39.119	3795 m Full cast
220	CB-11b	BONGO	3816	03 AUG	1710	80°01.342	149°45.715	03 AUG	1716	80°01.324	149°45.400	100 m CAST
221	80°20'	XCTD 61	3806	04 AUG	0136	80°20.159	150°12.365	04 AUG	0140	80°20.382	150°12.476	
222	80°39'	XCTD 62	3800	04 AUG	0354	80°39.677	149°59.816	04 AUG	0358	80°39.762	150°00.463	
223	NW-1	ADCP	3796	04 AUG	0653	81°01.676	149°51.284	04 AUG	0937	81°01.390	149°46.652	
224	NW-1	ROSETTE	3798	04 AUG	0703	81°01.705	149°50.971	04 AUG	0932	81°01.417	149°46.670	3784 m Cast
225	81°07'	XCTD 63	3793	04 AUG	1039	81°06.239	149°48.193	04 AUG	1043	81°06.259	149°48.070	
226	81°15'	XCTD 64	3794	04 AUG	1223	81°14.508	150°01.770	04 AUG	1227	81°14.522	150°01.774	
227	81°30'	XCTD 65	3473	04 AUG	1501	81°30.404	149°49.255	04 AUG	1505	81°30.408	149°49.259	
228	81°45'	XCTD 66	3380	04 AUG	1724	81°44.879	149°57.116	04 AUG	1729	81°44.923	149°57.166	
229	81°44'	BONGO	3186	04 AUG	1823	81°44.375	150°22.940	04 AUG	1728	81°44.373	150°22.882	100 m Cast
230	NW-2	Rosette	3176	05 AUG	0412	82°00.280	149°57.714	05 AUG	0619	82°00.606	149°54.146	Full Cast 3160 m
231	NW-2	ADCP	3176	05 AUG	0417	82°00.303	149°57.687	05 AUG	0625	82°00.623	149°53.808	
232	82°15'N	XCTD 67	3085m	05 AUG	0826	82°14.372	149°06.290	05 AUG	0831	82°14.789	149°06.177	XCTD FAILED
233	82°15'N	XCTD 68	3085m	05 AUG	0835	82°14.890	149°07.243	05 AUG	0839	82°15.189	149°09.617	
234	82°30'N	XCTD 69	3057 m	05 AUG	1100	82°29.667	150°00.482	05 AUG	1104	82°30.252	150°00.912	
235	82°45'N	XCTD 70	2747 m	05 AUG	1239	82°44.853	150°00.568	05 AUG	1243	82°44.868	150°00.479	
236	NW-3	Bongo 1	2919 m	05 AUG	1513	83°01.673	149°59.619	05 AUG	1518	83°01.690	149°59.794	100 m CAST
237	NW-3	Bongo 2	2917 m	05 AUG	1532	83°01.776	149°59.472	05 AUG	1538	83°01.811	149°59.237	100 m CAST
238	NW-3	ROSETTE	2916 m	05 AUG	1533	83°01.781	149°59.443	05 AUG	1743	83°01.842	149°56.008	2900 m CAST
239	NW-3	ADCP	2916 m	05 AUG	1539	83°01.814	149°59.218	05 AUG	1749	83°01.834	149°55.890	
240	NW-3	CTD 1	2900m	05 AUG	1653	83°01.81	149°59.11	05 AUG				FRC CASTS
241	148°21'W	XCTD 71	2754	06 AUG	0107	82°51.339	148°21.430	06 AUG	0111	82°51.342	148°21.763	
242	146°54'W	XCTD 72	2716	06 AUG	0314	82°41.602	146°54.613	06 AUG	0318	82°41.444	146°53.291	
243	145°20'W	XCTD 73	2599	06 AUG	0519	82°33.220	145°21.093	06 AUG	0523	82°33.229	145°21.080	
244	143°51'W	XCTD 74	3065	06 AUG	0743	82°24.991	143°51.937	06 AUG	0748	82°25.010	143°51.657	
245	141°53'W	XCTD 75	2938	06 AUG	1036	82°12.164	141°53.565	06 AUG	1043	82°12.184	141°53.301	

(SKIPPER ONLY)
Depth Correction Factor = 0.9863

KNUDSEN SHEEP OF
SOUND 1479 m/s

Mean Draft = 8.6 m

Time is UTC - 6 HRS

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time(z)	Latitude	Longitude	Date	Time	Latitude	Longitude	
246	NE-03	ROSETTE	3525	06 AUG 08	1416	81°59.426	140°00.071	06 AUG	1629	81°59.793	140°02.197	3510 m
247	NE-03	BONGO 1	3472	06 AUG	1701	81°59.890	140°02.057	06 AUG	1707	81°59.907	140°02.053	100 m
248	NE-03	BONGO 2	3460	06 AUG	1720	81°59.941	140°01.956	06 AUG	1725	81°59.957	140°01.893	100 m
249	NE-03	ROSETTE 2	3456	06 AUG	1924	82°00.218	139°59.921	06 AUG	1826	82°00.261	139°58.315	1000 m CAST
250	81°45'	XCTD 76	3676	07 AUG	0017	81°45.027	140°01.530	07 AUG	0023	81°45.037	140°01.433	
251	81°30'	XCTD 77	3749	07 AUG	0218	81°30.123	140°02.582	07 AUG	0224	81°29.967	140°02.243	
252	81°15'	XCTD 78	3755	07 AUG	0420	81°14.846	140°03.141	07 AUG	0426	81°14.732	140°03.486	
253	NE-02	ROSETTE	3757	07 AUG	0648	81°01.211	140°06.782	07 AUG	0916	81°06.854	140°02.254	3744 m
254	NE-02	ADCP	3748	07 AUG	0809	81°01.037	140°03.871	07 AUG	0921	81°06.837	140°02.129	
255	80°45'	XCTD 79	3756	07 AUG	1130	80°44.999	140°06.482	07 AUG	1131	80°44.995	140°06.442	
256	80°30'	XCTD 80	3759	07 AUG	1328	80°30.207	139°58.836	07 AUG	1333	80°30.216	139°58.718	
257	80°15'	XCTD 81	3763	07 AUG	1517	80°15.298	139°59.095	07 AUG	1523	80°15.266	139°59.195	
258	NE-01	ROSETTE	3766	07 AUG	1727	80°01.732	140°04.049	07 AUG	2007	80°01.292	139°58.260	3756 m
259	NE-01	BONGO #1	3765	07 AUG	2012	80°01.288	139°58.020	07 AUG	2018	80°01.275	139°57.881	100 m cast
260	NE-01	BONGO #2	3766	07 AUG	2030	80°01.215	139°57.528	07 AUG	2037	80°01.196	139°57.485	100 m cast
261	79°40'	XCTD 82	3766	07 AUG	2322	79°39.755	140°00.552	07 AUG	2326	79°39.773	140°00.595	
262	79°20'	XCTD 83	3773	08 AUG	0203	79°20.836	139°47.553	08 AUG	0209	79°20.271	139°49.169	
263	CB-16N	ADCP	3772	08 AUG	0641	79°00.389	139°58.570	08 AUG	0834	78°59.918	139°56.217	
264	CB-16N	ROSETTE	3772	08 AUG	0654	79°00.341	139°57.987	08 AUG	0925	78°59.619	139°55.989	3759 m
265	78°30'N	XCTD 84	3773	08 AUG	1226	78°30.451	140°06.545	08 AUG	1232	78°29.902	140°06.752	
266	CB-16	BONGO #1	3754	08 AUG	1838	78°01.012	139°56.597	08 AUG	1846	78°01.002	139°56.498	
267	CB-16	BONGO #2	3753	08 AUG	1859	78°00.986	139°56.383	08 AUG	1905	78°00.969	139°56.188	
268	CB-16	ROSETTE	3753	08 AUG	2002	78°00.699	139°54.189	08 AUG	2233	77°59.512	139°54.509	
269	141°W	XCTD 85	3755	09 AUG	0430	77°35.784	140°57.789	09 AUG	0441	77°35.673	140°59.310	
270	CB-13	ROSETTE	3766	09 AUG	0851	77°10.286	142°01.519	09 AUG	1113	77°08.989	142°04.155W	3749 m CAST.
271	BFGC-C	MOORING	3727	09 AUG	1826	76°59.069	139°57.262	09 AUG	2104	76°58.521	139°57.556	RECOVERY.
272	CB-15	ROSETTE #1	3728	09 AUG	2157	76°59.580	139°57.177	09 AUG	2254	76°59.439	139°58.394	1000 m CAST
273	CB-15	BONGO #1	3726	09 AUG	2353	76°59.322	139°59.301	09 AUG	2400	76°59.333	139°59.420	100 m CAST
274	CB-15	FRC		09 AUG	2352	76°59.43	139°59.61	10 AUG	0027	76°59.38	140°00.07	Water Samples
275	CB-15	BONGO #2	3729	10 AUG	0013	76°59.307	139°59.516	10 AUG	0019	76°59.307	139°59.593	100 m CAST
276	CB-15	ROSETTE #2	3729	10 AUG	0049	76°59.342	139°59.866	10 AUG	0238	76°59.434	140°00.893	3000 m CAST?
277	CB-15	ROSETTE 3	3729	10 AUG	0344	76°59.538	140°00.800	10 AUG	0606	76°59.571	139°59.157	BOTTOM 3716 m
278	CB-15	ADCP	3732	10 AUG	0357	76°59.554	140°00.700	10 AUG	0548	76°59.892	139°59.382	
279	138°29'W	XCTD 86	3693	10 AUG	0939	76°59.939	138°29.902	10 AUG	0945	76°50.898	138°29.892	
280	137°00'W	XCTD 87	3648	10 AUG	1214	76°40.961	136°57.739	10 AUG	1220	76°40.004	136°55.068	

Depth Correction Factor = 0.9863

SKIPPET ONLY
XNUDDEN
SPEED OF SOUND 1479 m/s

Mean Draft = 8.6 m

TIME IS: UTC

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
281	PP-7	ROSETTE 1	3575	10 AUG	1444	76°32.758'	135°26.401'	10 AUG	1545	76°32.660'	135°26.145'	1000m Cast.
282	PP-7	BONGO 1	3574	10 AUG	1603	76°32.628'	135°25.990'	10 AUG	1609	76°32.666'	135°25.984'	100 m CAST.
283	PP-7	ROSETTE 2	3574	10 AUG	1618	76°32.670'	135°25.948'	10 AUG	1920	76°32.396'	135°24.262'	TO 3558 m
284	PP-7	BONGO 2	3574	10 AUG	1621	76°32.675'	135°25.921'	10 AUG	1627	76°32.676'	135°25.852'	100 m CAST
285	134°14'W	XCTD 88	3407	10 AUG	2233	76°18.615'	134°14.615'	10 AUG	2239	76°18.571'	134°14.608'	
286	PP-6	ROSETTE	3058	11 AUG	0241	76°15.950'	132°31.804'	11 AUG	0443	76°16.122'N	132°31.498'	3050 Cast
287	PP-6	ADCP	3060	11 AUG	0252	76°16.001'	132°31.735'	11 AUG	0422	76°16.091'	132°31.438'	
288	PP-5	ADCP	2485	11 AUG	0813	76°05.263'	130°52.600'	11 AUG	1134	76°04.832'	130°53.760'	
289	PP-5	ROSETTE #1	2483	11 AUG	0821	76°05.224'	130°52.549'	11 AUG	0919	76°05.014'	130°52.254'	1000 m CAST.
290	PP-5	ROSETTE #2	2480	11 AUG	0951	76°05.027'	130°52.608'	11 AUG	1126	76°04.864'	130°53.715'	2454 m CAST.
291	PP-6	BONGO 1	3046	11 AUG	1425	76°12.291'	132°31.479'	11 AUG	1431	76°12.302'	132°31.456'	100 m Cast
292	PP-6	BONGO 2	3044	11 AUG	1442	76°12.320'	132°31.380'	11 AUG	1447	76°12.336'	132°31.333'	100 m CAST.
293	133°10'W	XCTD 89	3180	11 AUG	1618	76°02.882'	133°10.090'	11 AUG	1624	76°02.894'	133°10.201'	
294	135°26'W	XCTD 90	3484	11 AUG	1949	76°01.311'	135°26.328'	11 AUG	1955	76°01.236'	135°27.942'	
295	137°44'W	XCTD 91	3619	11 AUG	2240	76°01.411'	137°44.024'	11 AUG	2246	76°01.270'	137°44.890'	
296	CB-17	ROSETTE	3713	12 AUG	0221	75°57.031'	140°04.948'	12 AUG	0442	75°56.981'	140°04.771'	3695m CAST
297	CB-17	ADCP	3712	12 AUG	0230	75°57.011'	140°04.957'	12 AUG	0425	75°56.979'	140°04.854'	
298	CE-1	ADCP	3753	12 AUG	0857	76°00.188'	142°26.740'	12 AUG	1058	75°59.990'	142°26.760'	
299	CE-1	ROSETTE	3753	12 AUG	0905	76°00.192'	142°26.858'	12 AUG	1052	76°00.011'	142°26.686'	2500 m CAST.
300	CB-17	DRIFT BUOY		12 AUG	1917	75°53.875'	140°39.061'					DRIFT BUOY DEPLOYED
301	75°30'N	XCTD 92	3699	12 AUG	2135	75°30.481'	140°09.843'	12 AUG	2141	75°29.683'	140°08.724'	
302	CB-18	ROSETTE	3628	13 AUG	0011	75°00.024'	140°00.032'	13 AUG	0229	75°00.022'	139°59.836'	
303	CB-18	ADCP	3628	13 AUG	0025	75°00.003'	140°00.160'	13 AUG	0219	75°00.024'	139°59.918'	
304	CB-18	BONGO 1	3628	13 AUG	0028	75°00.017'	140°00.155'	13 AUG	0033	75°00.024'	140°00.170'	100 m CAST.
305	CB-18	BONGO 2	3630	13 AUG	0042	75°00.036'	140°00.229'	13 AUG	0046	75°00.053'	140°00.276'	100 m CAST
306	141°38'W	XCTD 93	3686	13 AUG	0453	74°39.529'	141°37.778'	13 AUG	0459	74°38.929'	141°40.432'	
307	CB-19	ADCP	3701	13 AUG	0730	74°17.955'	143°18.219'	13 AUG	0947	74°17.905'	143°18.902'	
308	CB-19	ROSETTE	3602	13 AUG	0742	74°17.961'	143°18.379'	13 AUG	1002	74°17.929'	143°18.705'	
309	CB-19	BONGO #1	3603	13 AUG	0748	74°17.959'	143°18.450'	13 AUG	0755	74°17.955'	143°18.572'	100m CAST
310	141°40'	XCTD 94	3644	13 AUG	1201	74°09.272'	141°41.378'	13 AUG	1207	74°08.919'	141°37.221'	
311	CB-21	RECOVERY		13 AUG	1501	74°00.065'	139°54.738'	13 AUG	1823	74°00.211'	139°56.072'	MOORING BGFE - "D"
312	CB-21	CTD	3513	13 AUG	1909	74°00.070'	139°54.821'	13 AUG	2108	74°00.476'	139°56.784'	3000 m CAST
313	CB-21	BONGO 1	3514	13 AUG	2039	74°00.359'	139°56.511'	13 AUG	2044	74°00.381'	139°56.605'	100m CAST
314	CB-21	BONGO 2	3515	13 AUG	2051	74°00.403'	139°56.617'	13 AUG	1457	74°00.436'	139°56.683'	100m CAST
315	CB-21	FRC		13 AUG	2156	74°00.91'	139°58.68'	13 AUG	2225	74°00.856'	139°57.920'	FRC SAMPLING

SKIPPER ONLY
Depth Correction Factor = 0.9863

KNUDSEN
SPEED OF SOUND 1479 m/s

Mean Draft = 8.6 m

TIME IS 0000

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
316	CB-21	Pump #1	3517	13 AUG	2157	74°00.612	139°57.286	14 AUG	0322	74°01.945	139°59.940	3000 m CAST
317	CB-21	Pump #2	3518	13 AUG	2200	74°00.638	139°57.377	14 AUG	0320	74°01.944	139°59.908	
318	CB-21	Pump #3	3518	13 AUG	2223	74°00.819	139°57.656	14 AUG	0302	74°01.956	139°59.700	
319	CB-21	Pump #4	3518	13 AUG	2243	74°00.901	139°57.981	14 AUG	0243	74°01.987	139°59.530	
320	CB-21	Pump #5	3518	13 AUG	2248	74°00.915	139°58.046	14 AUG	0241	74°01.988	139°59.526	
321	CB-21	Pump #6	3520	13 AUG	2258	74°00.950	139°58.250	14 AUG	0225	74°01.989	139°59.642	
322	CB-21	Pump #7	3520	13 AUG	2302	74°00.961	139°58.273	14 AUG	0223	74°01.987	139°59.648	
323	CB-21	Pump #8	3520	13 AUG	2312	74°00.994	139°59.346	14 AUG	0212	74°01.961	139°59.748	
324	CB-21	ROSETTE	3528	14 AUG	0347	74°01.946	140°00.121	14 AUG	0604	74°01.966	140°01.338	3510 m
325	CB-21	ADCP	3528	14 AUG	0401	74°01.950	140°00.109	14 AUG	0611	74°01.976	140°01.428	
326	CB-21	BONGO #3	3528	14 AUG	0632	74°02.628	140°01.757	14 AUG	0638	74°02.003	140°01.831	100 m CAST
327	CB-21	Pump 1	3528	14 AUG	0726	74°01.912	140°02.354	14 AUG	1050	74°02.052	140°04.304	750 m CAST
328	CB-21	Pump 2	3528	14 AUG	0730	74°01.910	140°02.347	14 AUG	1047	74°02.056	140°04.279	
329	CB-21	Pump 3	3528	14 AUG	0744	74°01.898	140°02.429	14 AUG	1036	74°02.091	140°04.321	
330	CB-21	Pump 4	3528	14 AUG	0747	74°01.893	140°02.467	14 AUG	1034	74°02.091	140°04.311	
331	CB-21	Pump 5	3528	14 AUG	0751	74°01.893	140°02.616	14 AUG	1031	74°02.084	140°04.255	
332	CB-21	Pump 6	3528	14 AUG	0754	74°01.891	140°02.697	14 AUG	1029	74°02.078	140°04.214	
333	CB-21	ROSETTE	3516	14 AUG	1124	74°00.598	139°56.963	14 AUG	1301	74°00.705	139°56.630	2000 m CAST
334	CB-21	ADCP	3516	14 AUG	1129	74°00.603	139°57.040	14 AUG	1255	74°00.690	139°56.641	
335	CB-21	BONGO	3516	14 AUG	1140	74°00.665	139°57.048	14 AUG	1234	74°00.667	139°56.515	1000 m CAST
336	CB-21	DEPLOY	3516	14 AUG	1450	73°59.950	139°54.924	14 AUG	1926	73°59.988	139°59.703	B605-"D" MOORING
337	139°W	XCTD95	3381	14 AUG	2126	73°44.589	139°01.504	14 AUG	2132	73°43.907	138°58.228	
338	CB-22	ROSETTE	3136	14 AUG	2313	73°26.997	137°59.997	15 AUG	0111	73°26.994	137°59.963	3118 m CAST
339	CB-22	BONGO	3136	14 AUG	2347	73°27.014	137°59.975	14 AUG	2353	73°27.011	137°59.948	100 m CAST
340	CB-22	ADCP	3136	15 AUG	0010	73°27.006	137°59.884	15 AUG	0100	73°26.982	137°59.958	
341	138°59'W	XCTD 96	3189	15 AUG	0305	73°13.807	138°58.717	15 AUG	0311	73°13.087	139°01.842	
342	CB-27	ROSETTE	3231	15 AUG	0522	73°00.025	139°59.907	15 AUG	0725	72°59.886	140°00.008	3203 m CAST
343	CB-27	BONGO	3231	15 AUG	0534	72°59.996	140°00.010	15 AUG	0540	72°59.996	140°00.029	
344	CB-27	ADCP		15 AUG	0544	73°00.002	139°59.980	15 AUG	0732	72°59.855	140°00.000	
345	141°34	XCTD97	3330	15 AUG	0936	72°52.079	141°32.1048	15 AUG	0942	72°51.747	141°36.274	
346	143°07'	XCTD 98	3381	15 AUG	1134	72°44.080	143°07.190	15 AUG	1140	72°43.757	143°01.275	
347	STA-A	XCTD 99	3436	15 AUG	1339	72°35.947	144°41.889	15 AUG	1345	72°36.001	144°41.795	XCTD CAST - EDDY CHECK
348	STA-A	ADCP	3440	15 AUG	1358	72°36.038	144°41.819	15 AUG	1730	72°35.991	144°42.037	
349	STA-A	ROSETTE	3442	15 AUG	1407	72°36.049	144°41.803	15 AUG	1504	72°36.085	144°41.691	1000 m
350	STA-A	ROSETTE	3440	15 AUG	1542	72°36.044	144°42.002	15 AUG	1750	72°36.017	144°42.720	

Depth Correction Factor = 0.9863 (Skipper Only)

Knudsen Speed of Sound: 1479 m/s

Time is: UTC -6

Mean Draft = 8.6

Cruise 2008-30

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
351	STA-A	BONGO 1	3438	15 AUG	1601	72°36.020	144°42.008	15 AUG	1606	72°36.009	144°41.964	100m
352	STA-A	BONGO 2	3437	15 AUG	1615	72°36.004	144°41.963	15 AUG	1620	72°36.002	144°41.987	100m
353	142°55'W	XCTD100	3293	15 AUG	2007	72°21.385	142°58.473	15 AUG	2013	72°20.912	142°54.863	
354	141°14'W	XCTD101	2941	15 AUG	2210	72°06.79'	141°15'18'	15 AUG	2216	72°06.273	141°11.679	
355	138°10'W	XCTD102	2254m	16 AUG	0207	71°39.762	138°10.427	16 AUG	0213	71°39.356	138°07.313	
356	136°31'W	XCTD103	1633	16 AUG	0412	71°25.174	136°31.604	16 AUG	0418	71°24.731	136°28.752	
357	134°34'W	XCTD104	530.3	16 AUG	0730	71°07.384	134°34.081	16 AUG	0734	71°07.126	134°32.432	
358	CB-29	ROSETTE	2704	19 AUG	1026	71°59.989'	139°59.969'	19 AUG	1233	71°59.969'	139°59.827'	2670m
359	CB-29	BONGO1	2704	19 AUG	1132	72°00.009'	139°59.848'	19 AUG	1138	72°00.031'	139°59.879'	100m CAST.
360	138°00'W	XCTD105	2522	19 AUG	1517	72°21.766	138°00.561	19 AUG	1523	72°27.349	137°57.519'	
361	136°00'W	XCTD106	2653	19 AUG	1748	72°42.436'	136°00.718	19 AUG	1754	72°42.315	135°57.365	
362	CB-31b	ROSETTE	2101	19 AUG	2035	72°21.875	133°57.742	19 AUG	2200	72°21.879	133°57.723	2080m CAST
363	CB-31b	BONGO	2101	19 AUG	2045	72°21.884	133°57.755	19 AUG	2052	72°21.875	133°57.743	100m CAST
364	CB-31b	ADCP	2101	19 AUG	2049	72°21.883	133°57.752	19 AUG	2043	72°21.872	133°57.607	
365	133°00'W	XCTD107	1706	19 AUG	2358	72°04.242'	132°58.524	20 AUG	0004	72°03.273'	132°57.261'	
366	CB-1	ROSETTE	1150	20 AUG	0308	71°47.255	131°53.850	20 AUG	0405	71°47.209	131°53.999	1124m CAST
367	CB-1	ADCP	1148	20 AUG	0317	71°47.252	131°53.880	20 AUG	0348	71°47.231	131°53.952	
368	CB1	BONGO	1122	20 AUG	0322	71°47.242	131°53.890	20 AUG	0328	71°47.242	131°53.888	
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CTD log has position 71 41.###?

Fugawr system also shows 71 47.256

CTD is wrong

Wildlife Log Cruise 2008-30

[illegible]

POLAR BEAR COUNT

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