

2007-20 LSSL

Bridge Log of Science work

Depth Correction Factor = 0.9863

Mean Draft =

Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
246		Seismic Puck	106	24 Jul	1218 Z	68°40.973	103°55.092	24 Jul				
247		Bongo #2	107	"	1229	68°40.958	103°55.053	"	1235 Z	68°40.958	103°55.041	
248		Bongo #3	108	"	1243	68°40.909	103°55.062	"	1251	68°40.961	103°55.083	
249		CTD #2	109	"	1300	68°40.819	103°55.096	"	1319	68°40.714	103°55.119	
250		CTD #2	110	"	1418	68°40.439	103°55.066	"	1437	68°40.361	103°55.083	
251		MAR #1	109	"	1444	68°40.353	103°54.930	"	1450	68°40.317	103°54.919	
252		MAR #2	107	"	1456	68°40.292	103°54.958	"	1502	68°40.267	103°54.948	
253		MAR #3	108	"	1507	68°40.246	103°54.814	"	1512	68°40.235	103°54.806	
254		XBT	64	"	1820	68°49.621	105°17.874					
255	41	AOC P	103	24 Jul	2008	68°55.935	105°46.162	24 Jul	2039	68°55.88	105°44.641	
256	"	CTD	103	"	2008	68°55.935	105°46.162	"	2032	68°55.845	105°44.803	
257		XBT	91	"	2256	68°57.825	106°50.201	"	2255			
258		XBT	76	25 Jul	0033	68°47.951	107°52.831					
259	42	ADCP	128	"	0135	68°42.447	108°29.667	25 Jun	0203	68°42.393	108°29.484771	
260	"	CTD/R	128	"	0145	68°42.419	108°29.684	"	0203	68°42.393	108°29.771	
261		XBT	90	"	0430	68°31.775N	109°58.869W					
262		XBT	76	"	0611	68°29.168N	111°03.815W					
263	43	CTD	237	"	0742	68°25.331N	111°59.694W	25 July	0757	68°25.381N	111°59.415W	
264	44	ADCP	216	"	1310	68°23.009	113°07.061	"	1504	68°22.696	113°06.887	
265		CTD #1	227	"	1313	68°23.004	113°07.054	"	1337	68°22.901	113°06.664	
266		Bongo #1	225	"	1314	68°22.975	113°07.087	"	1327	68°22.951	113°06.872	
267		Bongo #2	205	"	1332	68°22.912	113°06.681	"	1348	68°22.862	113°06.460	
268		S. Hook	205	"	1340	68°22.897	113°06.624					
269		CTD #2	227	"	1436	68°22.94	113°07.26	"	1500	68°22.741	113°06.971	
270		XBT	153	"	1605	68°16.083	113°35.015					
271		XBT	145	"	1700	68°08.826	114°02.859					
272		XBT	166	"	1757	68°02.243	114°31.278W					
273		XBT	57	"	1847	67°56.391N	114°54.382W					
274	AB 5	ADCP	650	28 Jul	1400	70°32.829	122°54.418	28 Jul	1638	70°32.806	122°53.136	Down to 150
275	"	CTD/R #1	645	"	1424	70°32.825	122°53.978	"	1458	70°32.792	122°53.571	To bottom
276	"	CTD/R #2	637	"	1553	70°32.772	122°53.234	"	1631	70°32.774	122°53.123	
277	N10	XCTD 1	654	29 Jul	0549	73°01.24	129°08.25					
278		XCTD 2	470	"	0634	73°11.615N	128°44.745W					
279		XCTD 3	197	"	0836	73°32.3833N	127°53.9571W					
280	BT 1	ADCP	198	29 July	1044	73°51.536N	127°20.952W	29 July	1121	73°51.340	127°19.933	

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PY
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sph Correction Factor = 0.9863

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Consecutive Number	Station ID	Cast Type	Corr. Depth _m	Start of Cast				End of Cast				Comments
				Date	Time ^z	Latitude	Longitude	Date	Time	Latitude	Longitude	
281	BI 1	CTD	200	29 July	1100	73°51.449	127°20.588	29 July	1117	73°51.365	127°20.071	
282	" 4	XCTD	325	29 July	1301	73°50.539	129°13.615	"	1302	73°50.582	129°13.370	Stopped
283	BI 3	ADCP	1013	29 July	1644	73°48.744	129°35.480	"	1748	73°48.403	129°35.853	
284	"	Rosette	1016	"	1653	73°48.440	129°35.405	"	1740	73°48.440	129°35.678	
285	BI-4	ADCP	1528	"	1950	73°46.622	129°38.378W	"	2113	73°46.777N	129°55.558W	
286	"	CTD	1510	"	2000	73°46.550N	129°57.957W	"	2111	73°46.739N	129°55.924W	
287	BI 5	ADCP	2000	"	2256	73°47.824N	130°26.16W	"	0038	73°47.481	130°22.150	
288	"	CTD	1976	"	2306	73°47.854N	130°25.809W	30 July	0032	73°47.579	130°22.372	
289	BI 2	ADCP	505	30 Jul	0238	73°51.212W	129°10.617	"	0642	73°49.450N	129°11.311W	
290	"	CTD/R#1	504	"	0255	73°50.964	129°10.271	"	0347	73°50.553	129°09.747	
291	"	Bongo #1	492	"	0417	73°50.246	129°09.929	"	0422	73°50.208	129°09.937	
292	"	Bongo #2	490	"	0452	73°50.063	129°09.860	"	0458	73°50.056	129°09.806	
293	"	CTD/R#2	498	"	0525	73°49.943	129°10.414	"	0556	73°49.663	129°10.641W	
294	"	CTD/R#3	530	"	0716	73°49.731N	129°11.782	"	0745	73°49.402N	129°12.230W	
295	BI 6	ADCP	2509	"	1155	73°45.466	130°56.368	"	1350	73°44.743	130°53.993	
296	"	CTD	2505	"	1205	73°45.430	130°56.185	"	1346	73°44.771	130°54.053	
297	"	Bongo 1	2503	"	1219	73°45.367	130°55.897	"	1228	73°45.318	130°55.682	
298	"	Bongo 2	2504	"	1234	73°45.283	130°55.553	"	1240	73°45.246	130°55.421	
299	"	Bongo 3	2501	"	1250	73°45.193	130°55.223	"	1256	73°45.144	130°55.096	
300	"	Bongo 4	2497	"	1303	73°45.105	130°54.945	"	1310	73°45.060	130°54.805	
301	XCTD #27	XCTD 5	2792	"	1500	73°46.7	130°20.2					
302	XCTD #28	XCTD 6		"	1923	73°45.26N	133°29.65W					
303	BI 7	ADCP	2990	31 July	0019	73°40.933	134°49.023	31 Jul	0302	73°39.583	134°46.027	
304	"	CTD	2986	"	0029	73°40.862	134°48.785	"	0310	73°39.450	134°45.957	
305	"	Rosette	2940	"	0100	73°40.540	134°47.461					
306	XCTD 29	XCTD 7	2880	"	0537	73°19.754	135°23.742	"	0544	73°18.516	135°25.535	
307	CB 23A	ADCP	2753	31 July	0835	72°53.812N	136°00.490W	"	1039	73°53.615	135°59.130	
308	"	CTD/R	2738	"	0840	72°53.794N	136°00.475W	31 July	1033	73°53.624	135°59.210	
309	XCTD 30	XCTD 8	2604	"	1314	72°35.211N	137°15.079	31 July	1319	72°35.203	137°15.161	Stopped
310	- Arctic tern		2552	"	1420	72°27.770	137°44.250					
311	- Seal (black)		2603	"	1453	72°22.7	137°58.3	"				
312	XCTD 9	XCTD 9	2585	"	1603	72°17.776	138°33.317	"	1603	72°17.726	138°33.313	Stopped
313	CB 29	ADCP	2682	"	2100	71°59.518N	140°02.327W	01 Aug	0015	71°59.283	140°03.888	
314	"	CTD/R#1	2692	"	2105	71°59.522N	140°02.342W	31 July	2113	71°59.472N	140°02.429W	
315	"	CTD/R#2	2687	"	2213	71°59.389	140°02.884	01 Aug	0006	71°59.283N	140°03.830	

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				Date	Time Z	Latitude N	Longitude W	Date	Time	Latitude	Longitude	
316	CB 29	Camera	2690	21 July	2222	7159.385	140 02.960	31 July	2232	71 59.377	140 03.077	Aborted - Tow bright out
317	MK 6	XCTD 10	2490	01 Aug	0331	7135.591'N	139 58.42					
318	"	XBT	2478	"	0350	7135.584	139 58.427					02 follow sonic pos'n
319	XCTD 11	XCTD	2294	"	0550	7117.511	139 59.450					
320	CB 28b	ADCP	2652	"	0849	70°57.934'N	140°01.871'W	01 Aug	1235	70°57.755	140 06.970	
321	"	CTD/R #1	2048	"	0853	70°57.915'N	140°02.039'W	01 Aug	0943	70°57.894'N	140°03.413'W	
322	"	Bongo M	2045	"	1010	70 57.795	140 04.077	"	1025	70 57.794	140 04.150	Media Cast
323	"	Bongo 1	2049	"	1036	70 57.779	140 04.435	"	1042	70 57.776	140 04.600	
324	"	Bongo 2	2045	"	1057	70 57.823	140 05.032	"	1105	70 57.865	140 05.278	
325	"	CTD/R 2	2050	"	1110	70 57.872	140 05.383	"	1137	70 57.755	140 06.994	
326	MK-4	XCTD	1470	"	1420	70 45.284	140 00.591	"	1427	70 45.320	140 00.829	
327		ADCP	1470	"	1519	70 45.353	140 00.801					
328	"	CTD/R	1528	"	1529	70 45.860	140 00.460	"	1632	70 49.198	140° 04.818	
329		XCP	1297	"	1714	70°36.793'	140°00.938'					From FRC
330	MK-3	ADCP	812	"	1836	70°34.511'N	140°00.526'W	01 Aug	2232	70°35.494	140 03.900	Moving back to 80m
331		CTD/R #1	815	"	1844	70°34.541'N	140°00.639'W	"	1936	70°34.595'N	140°01.477'W	
332		CTD/R #2	809	"	2020	70 34.625	140 02.065	"	2035	70°34.683'N	140°01.358'W	
333		CTD/R #3	850	"	2115	70°34.927'N	140°02.924'W	"	2149	70°35.192'N	140°03.348'W	
334		CTD/R #4	808	"	2318	70°34.346'N	140°00.021'W	"	2354	70°34.509'N	140 00.210	
335	XBT 4	XBT	650	02 Aug	0040	70 28.852'N	140 00.000					CRS
336	MK 2	ADCP	524	02 Aug	0128	70 24.095	139 58.337	02 Aug	0226	70 24.430	139 56.859	
337	"	CTD R1	524	02	0130	70 24.099	139 58.334	"	0226	70 24.430	139 56.859	
338	"	Bongo #1	523	"	0235	70 24.467	139 56.461	"	0242	70 24.546	139 56.447	
339	"	Bongo #2	526	"	0250	70 24.564	139 56.088	"	0257	70 24.632	139 55.798	
340	"	Cam pod	533	"	0314	70 24.729	139 55.385	"	0336			
341	XBT #5	XBT	420	"	0444	70 19.217	139 59.459	"				Fail
342	"	XBT	415	"	0448	70 19.013	139 59.457	"				
343	MK 1	ADCP	243	"	0527	70 13.766	140°00.046	"	0615	70°13.776	140°01.161'	
344	"	CTD/R 1	239	"	0532	70°13.779	140°00.232	"	0615	70°13.772'	140°01.049'	
345	"	Bongo 1	237	"	0540	70 13.782	140 00.467	"	0547	70 13.781'	140 00.651'	
346	"	Bongo 2	224	"	0557	70 13.752	140 00.790	"	0600	70 13.780	140 00.791	
347	ADD ON	XBT	109	"	0702	70°08.009	139°59.766					FAILED
348	"	XBT	111	"	0705	70°07.791	139°59.85					
349	"	XBT	98	"	0713	70°04.936	140°00.057					FAILED
350	"	XBT	97	"	0736	70°04.763	139°59.913					

Depth Correction Factor = 0.9863

2007

Mean Draft = 8.95 m 01 Aug

(11)

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
351	CB28aa	ADCP	59	02 Aug	0818	70 00.035	140 00.148	02 Aug	0856	70 00.352	140 00.955	
352		CTD R1	59	"	0824	70 00.074	140 00.308	"	0835	70 00.152	140 00.527	
353		CTD R2	59	"	0839	70 00.216	140 00.681	"	0850	70 00.296	140 00.829	
354	XCTD13	XCTD	443	"	1136	70 26.142	140 53.209					11 Kts
355	XCTD14	"	775	"	1219	70 34.465	141 08.325					10 Kts
356	XCTD15	"	2020	"	1343	70 50.718	141 36.074					6 Kts - 8 Kts
357	XCTD16	"	2105	"	1524	70 01.508	142 37.733					10 Kts
358	XCTD17	"	3037	"	1749	71 29.976	143 42.593					5 Kts
359	XCTD18	"	2983	"	1928	71 28.003	144 52.997					11.2'
360	XCTD19	"	3004	"	2059	71 30.765	145 03.84					11.6'
361	XCTD20	"	2943	"	2231	71 36.606	147 14.035					11.2'
362	XCTD21	"	2916	03 Aug	0013	71 45.272	148 31.433					11.5 Kts
363	XCTD22	"	2973	"	0149	71 54.076	149 45.619					11.5 Kts
364	XCTD23	"	2980 m	"	0500	72 10.827	151 39.953					11 Kts
365	XCTD24	"	2050 m	"	0539	71 57.355	152 15.472					11 Kts
366	XCTD25	"	1200 m	"	0640	71 47.141	152 46.067					10.5 Kts
367	XCTD26	"	780 m	"	0657	71 44.859	152 52.662					10.5 Kts
368	XCTD27	"	171 m	"	0722	71 41.565	152 59.057					10.5 Kts
369	XCTD28	"	67 m	"	0748	71 38.341	152 08.323					10.5 Kts
370	BL#1	ADCP	64	04 Aug	0329	71 19.456	152 12.967	04 Aug	0357	71 19.632	152 13.316	
371	"	CTD/R#1	62	"	0337	71 19.509	152 13.089	04 Aug	0339			Failed, brought up
372	"	CTD/R#2	61	"	0341	71 19.610	152 13.103	"	0353	71 19.610	152 13.245	
373	BL#2	ADCP	154	"	0443	71 23.977	152 01.924	"	0616	71 24.312	152 02.926	brought in early
374		CTD/R#1	154	"	0447	71 23.988	152 01.965	"	0513	71 23.983	152 02.032	
375		Hand CTD	156	"	0450	71 24.002	152 01.972	"				Shortcast to 30m
376		Bongo#1	155	"	0453	71 24.006	152 02.012	"	0500	71 23.982	152 02.019	
377		Bongo#2	155	"	0503	71 23.983	152 02.032	"	0514	71 23.965	152 02.025	
378		CTD/R#2	160	"	0541	71 24.098	152 02.434	"	0615	71 24.314	152 02.937	
379		XCP	174	"	0632	71 24.540	152 02.659					
380		XCTD	275	"	0655	71 26.380	151 54.541					
381	BL-3	CTD/R	555	"	0721	71 27.911	151 47.716	04 Aug	0825	71 28.234	151 47.433	
382		ADCP	557	"	0733	71 27.992	151 47.772	"	0827	71 28.235	151 47.410	
383	BL-4	CTD/R	1001	"	1020	71 30.139	151 39.409	"	1114	71 30.289	151 40.318	
384		ADCP	1001	"	1024	71 30.170	151 39.604	"	1120	71 30.297	151 40.448	
385		Bongo#1	1034	"	1043	71 30.221	151 39.833	"	1051	71 30.261	151 39.951	

Depth Correction Factor = 0.0053

Mean Draft = 8.95 m dry

(12)

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
386	BL-4	Bongo 2	1043	04 Aug	1057	71 30.280	151 40.048	04 Aug	1105	71 38.287	151 40.151	
387	BL-5	XCTD	1453	"	1158	71 33.071	151 20.920	"				4/14 1 stop
388	"	XCTD	1860	"	1222	71 33.499	151 28.003	"				6 stop
389	BL-6	XCTD	2020	"	1317	71 39.439	151 14.216	"	1443	71 39.375	151 16.625	
390	"	ADCP	2018	"	1327	71 39.429	151 14.397	"	1418	71 39.504	151 16.024	
391	BL-7	XCTD	2543	"	1606	71 48.787	150 47.650	"				11 stop
392	BL-8	CTD/R#1	3005	"	1742	71 57.994	150 14.192	"	1833	71 58.103	150 15.899	
393	"	ADCP	3002	"	1753	71 58.103	150 14.624	"	2042	71 59.286	150 19.953	
394	"	CTD/R#2	3037	"	1954	71 59.111	150 18.553	"	2153	71 59.284	150 21.642	
395	"	Bongo #1	3040	"	2011	71 59.318	150 19.182	"	2018	71 59.285	150 19.322	
396	"	Bongo #2	3040	"	2028	71 59.336	150 19.694	"	2033	71 59.315	150 19.895	
397	"	XCTD	3052	"	2209	72 00.089	150 21.725	"				45 stop + stop
398	CB2A	CTD/R	3090	05 Aug	0058	72 29.471	150 02.750	05 Aug	0120	72 30.201	150 03.033	150m
399	"	ADCP	3688	05 Aug	0170	72 30.201	150 03.183	"	0138	72 30.357	150 03.357	For check w/101
400	"	Rosette #2	3682	"	0215	72 30.609N	150 04.373	"	0504	72 30.900	150 08.462	Release test
401	"	ADCP		"				"	0320	72 30.765	150 06.186	
402	CB2	CTD/R	3614	05 Aug	0748	72 59.967	149 58.853	"	1014	72 00.232	149 59.701	
403	"	ADCP	3627	"	0800	72 59.935	149 58.905	"	1020	73 00.280	149 59.756	
404	"	Bongo #1	3696	"	0819	72 59.964	149 59.047	"	0835	73 00.001	149 59.069	
405	"	Bongo #2	3880	"	0836	73 00.059	149 59.166	"	0844	73 00.053	149 59.200	
406	XCTD	XCTD	3775	"	0830	73 30.051	150 01.172	"				Brake off ETC
407	CB3	CTD/R	3827	"	1656	73 59.019	149 58.691	"	1924	73 59.303	150 02.401	
408	"	ADCP	3827	"	1658	73 59.026	149 58.790	"	1932	73 59.330	150 02.632	
409	XCTD	XCTD	3830	"	2301	74 29.097	150 08.646	"				Mid station
410	CB4	ADCP	3818	06 Aug	0421	74 55.400	150 07.981	06 Aug	0712	74 55.437	150 08.318	
411	"	CTD/R#1	3819	"	0426	74 55.406	150 07.983	"	0654	74 55.466	150 08.199	
412	"	Bongo #1	3819	"	0447	74 55.428	150 07.999	"	0854	74 55.437	150 07.995	
413	"	Bongo #2	3819	"	0504	74 55.449	150 08.002	"	0511	74 55.457	150 08.014	
414	"	Sed Pumps	3819	"	0731	74 55.394	150 08.206	"	0953	74 55.123	150 09.310	Equipment test
415	"	CTD/R#2	3819	"	0907	74 55.265	150 08.858	"	0922	74 55.182	150 08.989	
416	"	CTD/R#3	3828	06 Aug	1013	74 55.083	150 08.558	"	1059	74 55.014	150 10.174	
417	Bogos-A	Mooring Recov.	3820	06 Aug	1430	74 59.987	150 00.231	"	1649	74 59.993	150 01.026	
418	XCTD	XCTD	3842	06 Aug	2243	74 45.043	151 23.629	"				Stopped
419	XCTD	XCTD	3840	07 Aug	0113	74 59.726	152 35.869	"				Stopped
420	RS-6	CTD/R	3838	07 Aug	0817	75 30.770	155 16.113	"	1043	75 30.630	155 15.202	

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(B)

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				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
421	RS-6	ADCP	3839	07 Aug	08 ²⁵	75°30.760	155°16.232	07 Aug	1019	75°30.670	155°15.210	
422	RS-4	ADCP	2373	07 Aug	1343	75°36.884	156°03.389	"	1507	73°37.0	156°03.3	
423	"	CTD	2366	"	1335	75°36.900	156°03.418	"	1511	73°37.039	156°03.342	
424	"	Bongo #1	2337	"	1435	75°36.965	156°03.235	"	1440	75°36.974	156°03.261	
425	"	Bongo #2	2332	"	1445	75°36.984	156°03.262	"	1450	75°36.997	156°03.280	
426	RS #1	ADCP	987	"	1723	75°44.808	157°05.752	"	1810	75°44.940	157°05.863	
427	"	CTD #1	987	"	1730	75°44.808	157°05.776	"	1805	75°44.902	157°05.820	
428	"	XCTD	796	"	1919	75°47.563	157°30.211					
429	"	CTD/R #2	791	"	2028	75°44.658	157°05.807	"	2123	75°44.653	157°05.257	
430	RS-2	ADCP	1448	"	2305	75°39.962	156°17.815	08 Aug	0031	75°39.919	156°17.962	
431		CTD/R #1	1448	"	2324	75°39.920	156°17.997	08 Aug	0032	75°39.967	156°17.962	
432		Hand CTD	1448	08 Aug	0027	75°39.952	156°17.953	08 Aug	1449	Same		File
433		Hand CTD	1430	08 Aug	0047	75°39.984	156°18.240					Bubble on - Eric
434		Hand CTD	1430	08 Aug	0049	75°39.982	156°18.275					After B/S &
435		Hand CTD	1429	08 Aug	0052	75°39.988	156°18.293					AFTER 6/5 Bow
436		CTD/R #2	1432	08 Aug	0107	75°39.993	156°18.036	"				
437	RS-2000m	XCTD	2077	"	0258	75°37.484	156°07.496					
438	RS-3000m	XCTD	3033	"	0355	75°34.741	155°37.329					
439	CB-5	CTD/R	3847	"	0940	75°11.970	153°17.249	08 Aug	1007	75°11.939	153°17.230	
440	CB-4	BGCOS-D	3820	09 Aug	0412	75°00.230	149°57.876					
441	XCTD	XCTD	3831	"	0652	75°30.245	149°59.645					
442	CB-7	CTD/R	3829	"	0935	75°59.110	149°57.312	09 Aug	1200	75°59.162	149°54.327	
443	"	ADCP	3829	"	0939	75°59.129	149°57.136	09 Aug	1155	75°59.163	149°54.439	
444		XCTD	3828	"	1612	76°29.567	150°00.335					Stopped
445	CB-8	CTD/R	3826	"	1823	76°59.979	149°59.990	"	2053	77°00.088	149°57.375	
446	"	BONGO #1		"	2123	76°59.993	149°58.726	"	2120	77°00.025	149°58.657	} Too MUCH ICE IN } SAMPLES
447	"	BONGO #2		"	2142	77°00.042	149°58.451	"				
448	"	BONGO #2	3832	"	2155	77°00.054	149°58.253	"	2200	77°00.064	149°58.171	Not advised re deployment of BONGO #1 B (2nd attempt) Stomach
449	XCTD	XCTD	3830	10 Aug	0105	77°29.187	149°57.493	10 Aug	0110			
450	CB #9	ADCP	3824	"	0358	77°56.002	149°49.953	"	0515	77°56.335	149°48.831	
451	"	CTD #1a	3816	"	0402	77°56.027	149°49.940	"	0409	77°56.056	149°49.710	
452	"	CTD #1b	3817	"	0416	77°56.094	149°49.554	"	0509	77°56.306	149°48.461	
453	"	Forked CTD	3817	"	0532	77°56.335	149°48.831	"				" WHOI instrument test" ADCP
454	"	CTD/R #2	3817	"	0555	77°56.411 N	149°48.322 W	"	0643	77°56.534	149°47.265	
455	"	CTD/R #3	3825	"	0722	77°56.625 N	149°46.263	"	0909	77°56.888	149°42.156	

Depth Correction Factor = 0.9863

Mean Draft = 8.87m - 1900 Lt 07 Aug/07

Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
456	CB-9	Bongo #1	3824	10 Aug/07	07 ⁴²	77°56.664'	149°45.720'	10 Aug/07	07 ⁴¹	77°56.675'	149°45.588'	SAMPLE FOR MEDIA
457	"	Bongo #2	3826	"	07 ⁵²	77°56.700'	149°45.349'	"	08 ⁰⁰	77°56.705'	149°45.219'	
458	"	Bongo #3	3826	"	08 ¹¹	77°56.738'	149°44.937'	"	08 ¹⁵	77°56.744'	149°44.861'	
459	fore deck cast	Sediment pumps	3830	"	19 ⁴⁰	77°59.725'	149°52.688'	"	21 ⁵²	77°59.796'	149°50.374'	WHOI instrument test (2000m cast)
460	XCTD	XCTD	3834	11 Aug	0109	78°09.942'	151°05.214'	11 Aug				Stopped
461	RNL	ADCP	3520	"	0403	78°21.286'	152°36.914'	"	06 ²⁹	78°21.613'	152°31.761'	
462	"	Rosette	3517	"	0405	78°21.294'	152°36.815'	"	06 ²⁷	78°21.609'	152°31.869'	
463	"	Bongo 1	3505	"	0435	78°21.392'	152°35.688'	"	0441	78°21.414'	152°35.528'	
464	"	Bongo 2	3452	"	0447	78°21.431'	152°35.362'	"	0455	78°21.451'	152°34.974'	
465	XCTD	XCTD	2921	"	07 ⁴⁸	78°20.311'	153°02.387'					Stopped
466	CB-10	CTD/R	2572	"	08 ²⁵	78°20.615'	153°01.655'	"	1014	78°20.628'	153°06.059'	
467	"	ADCP	2601	"	09 ¹²	78°20.603'	153°06.464'	"	09 ³⁶	78°20.620'	153°06.355'	
468	XCTD	XCTD	2361	"	1056	78°20.821'	153°18.187'	"	1100			Stopped
469	CB10a2c	Rosette	1856	"	1200	78°20.508'	153°29.396'	"	1244	78°20.722'	153°29.092'	
470	"	Bongo 1	1802	"	1313	78°20.880'	153°28.694'	"	1321	78°20.908'	153°28.611'	
471	"	Bongo 2	1806	"	1330	78°20.952'	153°28.460'	"	1336	78°20.998'	153°28.349'	
472	"	CTD/R #2	1863	"	1352	78°21.074'	153°28.083'	"	0519	78°21.498'	153°26.363'	
473	XCTD	XCTD	1197	"	1604	78°20.980'	153°46.670'					Stopped
474	CB10a	Rosette 1	1024	"	1710	78°19.352'	154°02.420'	"	06 ¹⁸ 1812	78°19.496'	154°01.669'	
475	"	ADCP	1054	"	19 ³³	78°19.723'	154°00.711'	"	2009	78°19.844'	154°00.443'	
476	"	CTD/R #2	1066	"	19 ⁴⁰	78°19.755'	154°00.681'	"	20 ³²	78°19.916'	154°00.115'	
477	?	CTD/R	976	"	21 ⁴⁴	78°20.239'	154°19.372'	"	2231	78°20.475'	154°18.577'	
478	XCTD	XCTD	1964	12 Aug	0026	78°28.147'	153°45.192'					Stopped
479	XCTD	XCTD	3294	12 Aug	0156	78°37.658'	153°24.820'					Stopped
480	XCTD	XCTD	3832	"	0428	78°58.040'	152°36.021'					Stopped
481	XCTD	XCTD	3830	"	07 ¹⁵	79°19.074'	151°35.727'					Stopped
482	XCTD	XCTD	3830	"	07 ²⁷	79°19.069'	151°35.516'					Stopped
483	XCTD	XCTD	3836	"	07 ³⁵	79°19.068'	151°35.331'					Stopped
484	XCTD	XCTD	3820	"	1048	79°39.340'	150°55.603'					Stopped
485	CB11b	Rosette #1	3820	"	1417	79°59.745'	150°00.684'	12 Aug	1437	79°59.406'	150°00.319'	to 110m
486	"	ADCP	3820	"	1449	79°59.434'	150°00.078'	"	1646	79°59.579'	149°57.677'	
487	"	Rosette #2	3820	"	1530	79°59.528'	149°59.084'	"	1636	79°59.576'	149°58.883'	to 100m
488	"	Rosette #3	3822	"	1933	79°54.944'	150°09.501'	"	2303	79°54.9788'	150°09.1204'	
489	XCTD	XCTD	3826	13 Aug	0236	79°30.179'	150°04.858'					
490	XCTD	XCTD	3828	"	0446	79°16.799'	150°02.664'					

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Depth Correction Factor = 0.9863

Mean Draft = 8.87 m 1700 47 07 Aug 07

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Consecutive Number	Station ID	Cast Type	Depth (m)	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
491	CB11	CTD/R	3831	13 Aug/07	07 ⁰⁰	78°59.956	150°01.780	13 Aug/07	08 ⁰¹	78°59.927	150°01.663	1000m cast
492	XCTD	XCTD	3832	13 Aug	1035	78°59.666	150°02.677					Stomach - shulka
493	XCTD	XCTD	3827	13 Aug	1304	78°59.513	150°02.419					
494	BGOSB	Deploy	3830					13 Aug/07	18 ²³	77°59.253'N	145°59.055'W	
495		ADCP	3826	14 Aug	0050	78°02.287	149°14.3274	14 Aug	0149	78°02.5525	149°19.7621	
496		CTD/R	3826	14 Aug	0055	78°02.3069	149°14.3614	14 Aug	0147	78°02.5492	149°19.7617	
497	CB-12	CTD/R#1	3815	14 Aug	0649	77°42.345'N	146°48.399'W	"	07 ³⁵	77°42.618'N	146°49.122'W	1000m cast
498	"	CTD/R#2	3816	"	08 ⁰¹	77°42.838'N	146°49.415'W	"	1037	77°43.6932	146°50.0568	Full depth cast
499	"	ADCP	3816	"	08 ²⁵	77°42.933'N	146°49.556'W	"	0944	77°43.418'N	146°49.988'W	
500	XCTD	XCTD	3802	14 Aug	1335	77°29.445	145°00.8128					Strong
501	XCTD	XCTD	3825	"	0417	77°54.041	148°19.447					Stopped
502	CB13	Roxie	3786	"	11030	77°10.458	143°14.464	14 Aug	1907	77°19.758	143°15.851	
503	"	ADCP	3785	"	1643	77°18.501	143°15.001	"	1913	77°19.806	143°15.840	
504	XCTD	XCTD	3757	14	2250	77°09.1248	141°38.5233					Stopped
505	CB15	ADCP	3734	15 Aug	0134	76°59.8991	140°11.1141	15 Aug	0808	77°01.815'N	140°14.679'W	
506	"	CTD/R#1	3734	"	0138	76°59.9140	140°11.1408	15 Aug	0145	76°59.9273	140°11.1876	5m cast of 4 bottles
507	"	CTD/R#2	3735	"	0151	76°59.9514	140°11.1812	"	0303	77°00.170'N	140°11.620'W	1000m
508	"	CTD/R#3	3737	"	0834	77°01.983'N	140°14.878'W	"	0923	77°02.294'N	140°15.061'W	1000m
509	"	CTD/R#4	3738	"	0951	77°02.445'N	140°15.313'W	"	1221	77°03.200	140°15.888	
510	"	Bongo 1	3738	"	1115	77°02.9159	140°15.4761	"	1123	77°02.9597	140°15.5087	
511	"	Bongo 2	3739	"	1130	77°02.9941	140°15.5253	"	1136	77°02.9307	140°15.5519	
512	BGOS-C	Recovery		"	1608	76°59.717	139°34.946	"	1850	77°00.306'N	139°57.809'W	
513	XCTD	XCTD	3738	"	2253	77°00.2160	140°00.8029					
514	CB16	ADCP	3756	16 Aug	0232	77°59.639	140°00.150	16 Aug	0520	78°00.113	140°01.908	
515	"	Rosette	3756	"	0253	77°59.664	140°00.988	"	0517	78°00.094	140°01.871	3737m
516	"	Bongo#1	3756	"	0338	77°59.861	140°01.220	"	0343	77°59.851	140°01.256	100m
517	"	Bongo#2	3755	"	0350	77°59.874	140°01.298	"	0356	77°59.890	140°01.345	100m
518	XCTD	XCTD	3771	"	0851	78°29.112'N	140°00.765'W					Stopped
519	CB16N	CTD/R	3772	"	1300	78°57.1705	139°46.4497	"	1525	78°57.243	140°13.95672	3750m (1000m cast)
520	ITP	Rosette	3772	"	2030	78°56.289	139°57.088	"	2143	78°56.483	139°56.109	(1000m cast)
521	TK1	CTD	3758	17 Aug	0117	78°43.933	138°53.646	17 Aug	0338	78°44.202	138°54.854	3732m
522	"	ADCP		"	Not notified	- use CTD pos		"	0344	78°44.217	138°54.913	
523	TEST	Sed Pumps	3725	18 Aug	0912	76°57.650'N	140°00.664'W	18 Aug	1204	76°58.002	140°04.088	2900m cast with 4 pumps
524	BGOS-C	Bongo	3726	18 Aug	1216	76°58.016	140°04.183	18 Aug	1232	76°58.063	140°04.340	500m
525	"	CTD #1	3726	"	1253	76°58.118	140°04.521	"	1258	76°58.127	140°04.543	5m

Depth Correction Factor = 0.9863

Mean Draft =

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Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
526	B605-C	Deploy	3727	18 Aug	1446	76°59.184	139°56.625	18 Aug	1754	76°59.054	139°57.284	depth of drop
527	XCTD	XCTD	3685	18 Aug	2125	76°49.481'N	139°15.244					Stopped
528	LS20	CTD	3651	19 Aug	0211	77°00.735	136°30.792	19 Aug	0431	77°00.758	136°29.462	
529	"	DDCP	3653	19 Aug	0205	77°00.709	136°30.892	"	0355	77°00.813	136°29.791	
530	XCTD	XCTD	3614	"	01 ⁰¹	76°42.251	135°53.291	"				9'
531	PP7	CTDR	3551	19 Aug	1048	76°26.282	135°20.494	"	1200	76°26.442	135°21.919	
532	XCTD	XCTD	3340	"	1423	76°15.513	133°52.478					Stopped
533	"	Rosette	3342	"	1408	76°15.566	133°52.904	19 Aug	1417	76°15.565	133°52.632	to 5m
534	PP6	Rosette	3039	"	1719	76°07.379	132°28.978	"	1912	76°06.817'N	132°31.002'W	
535	"	DDCP	3041	"	1732	76°07.249	132°29.060	"	1922	76°06.808'N	132°31.066'W	
536	XCTD ^{PP5}	XCTD	2535	"	2210	76°01.891	131°02.857	"				9 KTS
537	PP4	ADCP	1990	20 Aug	0000	75°57.187	130°00.822	20 Aug	0145	75°57.0697	130°02.1388	
538	"	CTDR	1988	20 Aug	0011	75°57.191	130°00.855	"	0134	75°57.0735	130°01.9677	
539	"	Bongo 1	1990	"	0057	75°57.1141	130°01.3789	20 "	0108	75°57.1007	130°01.5336	
540	"	B 2	1993	"	0117	75°57.0933	130°01.6828	"	0127	75°57.0864	130°01.7582	
541	"	B 3	1994	"	0130	75°57.0743	130°01.9034	"	0135	75°57.0739	130°01.9759	
542	PP3	XCTD	1506	20 Aug	0330	75°51.7	129°20.1					10 KTS
543	PP2	ADCP	1004	"	0515	75°50.700	128°38.222	20 Aug	0610	75°50.436'N	128°40.460'W	
544	"	Rosette	1007	"	0523	75°50.614	128°38.284	"	0627	75°50.393'N	128°40.970'W	
545	"	CTD/R	1041	"	0724	75°50.247'N	128°42.600'W	"	0824	75°50.093'N	128°44.627'W	
546	XCTD	XCTD	548	"	0945	75°48.810	128°10.229					7 KTS
547	PP1	CTDR	445	"	1044	75°50.8237	127°47.7753	20 Aug	1110	75°50.9323	127°48.5285	
548	"	ADCP	446	"	1046	75°50.8433	127°47.9511	"	1117	75°50.9600	127°48.5512	
549	"	Bongo 1	448	"	1200	75°50.8860	127°48.263	"	1106	75°50.9103	127°48.4307	
550	"	Bongo 2	450	"	1117	75°50.9604	127°48.5512	"	1124	75°50.9805	127°48.5614	
551	XCTD	XCTD	1684	"	1525	75°45.74	129°45.26	"	"	"	"	FRG
552	"	XCTD	1884	20 Aug	1742	75°38.243	130°12.631					12 KTS
553	"	XCTD	2111	"	1812	75°39.517	130°36.644					11 KTS
554	"		2556	"	2006	75°35.030	131°31.271					Stopped
555	XCTD	XCTD	3000	"	2240	75°42.1911	132°38.8303					"
556	XCTD	XCTD	3187	21 Aug	0007	75°42.1670	133°20.1305					10 KTS
557	XCTD	XCTD	3370	"	0100	75°45.355	134°17.888					10 KTS
558	"	XCTD	3459	"	0219	75°44.768	135°01.374					12 KTS
559	"	XCTD	3577	"	0416	75°53.844	136°40.061					14 KTS
560	"	XCTD	3638	"	0626	75°54.911	138°12.725					Stopped

Depth Correction Factor = 0.9863

Mean Draft = 8.8 m @ 15³⁵ 21 Aug

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Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
561	CB-17	CTD/R#1	3697	21 Aug	09 ¹⁸	75°59.513	139°58.746	21 Aug	09 ⁵⁹	75°59.434	139°58.299	
562	"	R#2	3697	"	1103	75°59.070	139°59.067	"	1333	75°59.436	139°58.342	
563	"	ADCP	3697	"	1112	75°59.056	139°58.936	"	1246	75°58.890	139°58.554	
564	—	Rosette	3699	"	1539	75°39.046	139°42.764	21 Aug	1547	75°39.032	139°42.867	5m
565	—	XCTD	3693	"	1642	75°30.483	139°49.715	—	—	—	—	Stopped.
566	CB-18	ADCP	3630	"	19 ⁵⁵	75°00.050	140°00.241	21 Aug	2212	75°00.4382	140°02.125	
567	"	ROSETTE	3630	"	2004	75°00.081	140°00.217	"	2219	75°00.4724	140°02.3153	
568	"	BONGO #1	3632	"	2037	75°00.122	140°01.101	"	2042	75°00.137	140°01.201	100m
569	"	BONGO #2	3631	"	2041	75°00.157	140°01.308	"	2053	75°00.172	140°01.350	"
570	XCTD	XCTD	3702	22 Aug	0127	74°52.970	141°40.304	—	—	—	—	Swimmer
571	—	Bird	—	"	0449	74°41.925	143°40.920	—	—	—	—	Flying to S.
572	—	XCTD	3730	"	0413	74°43.3	143°22.9	—	—	—	—	Stopped
573	CB-6A(1m)	ROSETTE	3740	"	06 ⁵⁹	74°30.231	144°58.532	21 Aug	0917	74°30.789	144°59.051	
574	"	ADCP	3740	"	07 ⁵⁸	74°30.277	144°58.347	"	0910	74°30.769	144°58.997	
575	XCTD	XCTD	3704	"	0710	74°18.0717	143°22.0923	—	—	—	—	Swimmer
576	—	XCTD	3645m	"	1455	74°10.660	141°38.004	—	—	—	—	Stopped
577	CB24	FTDR	3505	"	2234	73°58.460	140°03.678	23 Aug	0057	73°59.6263	140°02.7140	
578	"	Pumps	3520	23 Aug	0130	73°59.0999	140°02.8530	"	0524	74°01.060	139°59.290	to 2450m
579	—	Little bird	3529	"	0542	73°59.763	140°01.341	—	—	—	—	followed ship for a day
580	CB-21	CTD/R	3512	"	0614	73°57.422	140°05.938	23 Aug	0825	73°58.132	140°03.816	
581	"	BONGO #1	3502	"	0648	73°57.626	140°04.926	"	0848	73°57.655	140°04.914	100m
582	"	BONGO #2	3502	"	0654	73°57.673	140°05.050	"	0851	73°57.691	140°05.056	100m
583	"	Sed pumps	3505	"	0844	73°58.199	140°03.778	"	1144	73°58.9358	140°01.8169	
584	"	ADCP	3501	"	0901	73°58.289	140°03.299	"	1000	73°58.529	140°02.779	
585	"	CTD R2	3519	"	1130	73°58.5721	140°02.0403	"	1219	73°59.074	140°01.226	1000m
586	"	CTD R3	3501	"	1305	73°58.015	140°05.481	"	1308	—	—	5m CTD
587	—	CTD R4	3502	"	1325	73°57.993	140°05.159	—	—	—	—	1000m
588	XCTD	XCTD	3546	"	2148	73°39.143	141°07.610	—	—	—	—	11 KTS
589	XCTD	XCTD	3526	24 Aug	0005	73°16.863	142°12.850	—	—	—	—	10 KTS ~11
590	—	XCTD	3453	"	0222	72°55.264	143°21.062	—	—	—	—	6 KTS
591	Sta A	Rosette #1	3470	"	0538	72°41.211	144°42.470	24 Aug	0726	72°40.550	144°44.073	Full depth
592	"	ADCP	3472	"	0600	72°41.046	144°43.011	"	0925	72°40.117	144°47.513	
593	"	ROSETTE #2	3464	"	0801	72°40.404	144°44.935	"	0844	72°40.234	144°46.321	1000m
594	"	Rosette #3	3467	"	0911	72°40.153	144°47.067	"	0934	72°40.107	144°47.828	400m
595	"	Rosette #4	3490	"	1049	72°41.188	144°42.123	"	1130	72°41.320	144°42.400	1000m

Depth Correction Factor = 0.9863

Mean Draft = 9.1m 26 Aug

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Consecutive Number	Station ID	Cast Type	Corr. Depth	Start of Cast				End of Cast				Comments
				Date	Time	Latitude	Longitude	Date	Time	Latitude	Longitude	
596	Sta - A	Rosette #5	3472	24 Aug	1210	72°41.357	144°41.822	24 Aug	1425	72°42.095	144°42.079	
597	"	Rosette #1	3471	"	1225	72°41.476	144°41.926	"	1234	72°41.517	144°41.995	
598	"	" 2	3473	"	1242	72°41.862	144°42.031	"	1250	72°41.603	144°42.016	
599	"	XBT	34									for lead
600	"	XBT	3460	"	1457	72°40.918	144°28.175					
601	"	XBT	3470	"	1509	72°40.729	144°23.717					
602	"	XBT	3456	"	1528	72°40.828	144°12.707					
603	"	XBT	3462	"	1543	72°38.791	144°04.101					
604	"	XCTD	3427	"	1614	72°38.793	143°49.950					
605	"	XBT	3427	"	1621	72°38.775	143°49.852					
606	STA-A Est.	ROSEME	3422	"	1627	72°38.243	143°49.136		1844	72°38.331	143°48.411	
607	"	Fwd ADCP	3421	"	1650	72°38.719	143°49.262	"	1722	72°38.612	143°48.887	
608	"	XCTD	3222	"	2040	72°10.571	143°23.462					
609	"	XCTD	3025	"	2333	71°40.7	143°12.9					
610	"	Polar bear	—	"	2100	72°06.8	143°19.2					
611	"	XCTD	1897	25 Aug	0241	70°59.655	142°38.155					17 Kts
612	"	XCTD	1980	"	0403	70°50.001	141°35.980					17 Kts
613	"	XCTD	1052	"	0505	70°37.001	141°03.977					17 Kts
614	"	XBT	56	"	0712	70°09.363	139°59.370					17 Kts
615	"	XBT	59	"	2112	70°00.672	140°00.022					15 Kts
616	"	XBT	270	"	2251	70°14.558	140°00.019					15 Kts
617	"	XBT	300	"	2253	70°14.913	140°00.129					15 Kts
618	"	XCTD	554	"	2338	70°26.080	140°00.475					15 Kts
619	"	XBT	771	26 Aug	0017	70°34.361	140°00.388					14 Kts
620	"	XBT	1479	"	0100	70°44.875	140°00.080					15 Kts
621	"	XCTD	2018	"	0149	70°57.280	140°00.275					15 Kts
622	"	XCTD	3340	"	1126	71°59.245	145°19.883					16 Kts
623	STA-A-95	Rosette #1	3571	26 Aug	1548	73°00.11N	145°21.2	26 Aug	1636	73°00.498	145°21.872	1000m
624	"	Rosette #2	3572	"	1715	73°00.673	145°22.153	"	1932	73°01.324	145°24.682	3500m
625	"	ADCP	3574	"	1725	73°00.744	145°22.324		1932	73°01.332	145°24.751	
626	"	XBT	3568	"	2029	73°02.141	144°50.364					
627	"	XBT	2711	"	2146	73°05.431	144°09.678					
628	"	XBT	1675	"	2156	73°05.267	144°04.567					
629	"	XBT	3520	"	2259	73°05.267	143°27.769					
630	"	XCTD	3387	"	0140	73°02.585	141°30.807					10 Kts

Mean Draft =

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[illegible]