

UNDERWAY GEOPHYSICAL WATCH LOG				CRUISE: NBP0701																
NO SPACES, DECIMALS, NEGATIVE SIGNS, OR COLONS ARE NEEDED																				
Date	Julian Day	Time (GMT)	Latitude (N)	Longitude	Speed (Knot)	CMG	KDepth (M)	MBDepth (M)	Gravity	Magnetics	Salinity	Ext Temp	pC02	Shot # (OYO)	Comments and Observations					
12/22/06	356	02:00	-43 36.3990	172 43.1580	08.0	248.9	4390	-	9095.9	34937	33.935	05.992	48.9		Franziska on watch, multibeam system & gravimeter logging					
12/22/06	356	01:38	-43 36.3990	172 43.1580	10.5	078.9	12	-	8131.6											
12/22/06	356	02:00	-43 35.3032	172 50.0208	12.0	061.4		-	8105.4						Start cruise, depart dock					
12/22/06	356	02:15	-43 34.3488	172 52.5357	10.1	066.3	19	-	8112.8						Franziska on watch, mBathy 2000 & gravimeter logging					
12/22/06	356	02:30	-43 33.9537	172 55.8902	09.7	090.2	22	-	8101.6											
12/22/06	356	02:45	-43 33.9855	172 59.1394	09.8	092.0	24	-	8100.6											
12/22/06	356	03:00	-43 34.8040	173 01.9299	09.1	127.2	24	-	8109.2											
12/22/06	356	03:15	-43 35.8921	173 04.1611	07.0	122.9	22	-	8120.9											
12/22/06	356	03:30	-43 36.8969	173 06.3712	08.7	122.9	19	-	8119.7											
12/22/06	356	03:45	-43 38.3903	173 09.5197	07.8	122.8	24		8126.4						Lisa on watch, mBathy 2000 & gravimeter logging					
12/22/06	356	04:00	-43 39.1349	173 11.1676	07.9	116.0	40		8128.9											
12/22/06	356	04:15	-43 39.9996	173 13.4702	07.5	119.2	57		8130.2											
12/22/06	356	04:30	-43 40.8991	173 15.3891	05.2	179.0	63		8134.3											
12/22/06	356	04:45	-43 42.1946	173 15.4129	05.2	181.1	64		8178.0											
12/22/06	356	05:00	-43 43.5109	173 15.1282	04.5	196.0	68		8185.3						Franziska off, Marcel on					
12/22/06	356	05:15	-43 44.7974	173 14.6869	04.9	200.1	68		8194.6		34.265	13.739	50.9							
12/22/06	356	05:30	-43 46.0982	173 14.1943	05.3	194.2	71		8196.8		34.359	13.541	50.9							
12/22/06	356	05:45	-43 47.4177	173 13.6935	05.4	188.6	71		8199.0		34.475	13.132	05.1		XBT launched (70m)					
12/22/06	356	06:00	-43 48.7363	173 13.4354	05.6	196.3	75		8192.3		34.468	13.159	51.7							
12/22/06	356	06:15	-43 50.0775	173 12.9913	05.7	193.4	76		8201.7		34.498	13.061	51.4							
12/22/06	356	06:30	-43 51.4199	173 12.5601	05.6	203.2	76		0820.3		34.510	12.971	51.4		Multibeam system logging					
12/22/06	356	06:45	-43 52.7680	173 12.0905	06.2	200.6	77		8205.8		34.577	12.657	51.4							
12/22/06	356	07:00	-43 53.9596	173 10.9158	06.3	218.5	76	77	8223.8		34.577	12.569	51.4							
12/22/06	356	07:15	-43 55.2846	173 09.6185	05.8	219.0	77	77	8192.5		34.614	12.423	51.5							
12/22/06	356	07:30	-43 56.5322	173 08.2471	06.0	210.6	76	76	8274.5		34.594	12.451	51.5							
12/22/06	356	07:45	-43 57.7931	173 06.8738	06.1	215.9	75	74	8232.6		34.632	12.322	51.6							
12/22/06	356	08:00	-43 59.1610	173 05.3650	06.7	219.2	76	78			34.659	12.286	51.6							
12/22/06	356	08:15	-44 00.5949	173 03.8452	07.7	218.6	72	73	8234.9		34.677	12.276	51.5							
12/22/06	356	08:30	-44 02.1002	173 02.2476	07.3	219.2	73	73	8209.4		34.680	12.356	51.5							
12/22/06	356	08:45	-44 03.5426	173 00.6949	07.2	216.2	75	74	7990.9		34.711	12.362	51.5							
12/22/06	356	09:00	-44 05.0887	172 59.1495	07.1	216.2	77	76	8238.9		34.713	12.188	51.6							
12/22/06	356	09:15	-44 06.5783	172 57.3990	07.7	222.6	77	79	8285.1		34.708	12.126	51.6							
12/22/06	356	09:30	-44 08.0452	171 55.8481	07.6	216.1	78	78	8295.1		34.722	12.106	51.6							
12/22/06	356	09:45	-44 09.5116	172 54.2056	07.2	217.7	76	76	8256.8		34.735	12.219	51.6							
12/22/06	356	10:00	-44 10.9344	172 52.7700	07.6	218.7	77	77	8253.9		34.739	12.173	51.6							
12/22/06	356	10:15	-44 12.2456	172 51.0684	06.8	214.5	81	82	7759.8		34.732	12.140	51.7		Gravimeter stopped.					
12/22/06	356	10:30	-44 13.7853	172 49.6445	06.6	216.4	82	82			34.730	11.723	51.7							
12/22/06	356	10:45	-44 15.0082	172 48.4717	06.1	214.7	88	89			34.718	11.710	51.7							
12/22/06	356	11:00	-44 16.3399	172 47.1359	06.5	218.2	88	88			34.725	11.825	51.7		Marcel / Rob off, Roi / Fred on					
12/22/06	356	11:15	-44 17.7232	172 45.7343	06.7	217.6	90	90			34.719	11.821	51.7							
12/22/06	356	11:30	-44 19.0093	172 44.4502	07.5	217.9	95	95			34.728	11.614	51.7							
12/22/06	356	11:45	-44 20.2627	172 43.0307	07.2	218.8	101	101			34.639	11.313	51.8							
12/22/06	356	12:00	-44 21.6403	172 41.5109	06.9	218.4	106	106			34.580	11.092	51.8							
12/22/06	356	12:15	-44 22.9823	172 40.0378	06.6	217.7	109	109			34.538	10.990	51.7							
12/22/06	356	12:30	-44 24.2658	172 38.6179	06.9	214.4	111	112			34.518	10.965	51.7							
12/22/06	356	12:45	-44 25.5730	172 37.1988	06.2	220.7	112	112			34.507	10.741	51.7							
12/22/06	356	13:00	-44 26.8758	172 35.7404	06.7	218.6	116	115			34.479	10.745	51.7							
12/22/06	356	13:15	-44 28.1419	172 34.3524	07.3	217.7	117	117			34.483	10.735	51.7							
12/22/06	356	13:30	-44 29.5791	172 32.7997	07.2	220.2	123	122			34.486	10.624	51.7							
12/22/06	356	13:45	-44 30.9510	172 31.2836	06.8	221.6	126	127			34.478	10.587	51.9							
12/22/06	356	14:00	-44 32.1998	172 29.8645	06.6	217.7	129	130			34.475	10.692	51.8							
12/22/06	356	14:15	-44 33.7392	172 28.2385	06.3	217.6	134	136			34.500	10.720	51.8							
12/22/06	356	14:30	-44 34.9857	172 26.9000	06.7	219.0	131	131			34.497	10.646	51.8							
12/22/06	356	14:45	-44 36.2945	172 25.4947	07.4	217.8	138	138			34.475	10.573	51.8							
12/22/06	356	15:00	-44 37.8282	172 23.9291	07.3	216.1	140	141			34.501	10.604	51.8							
12/22/06	356	15:15	-44 39.3356	172 22.3746	07.5	215.4	142	142			34.449	10.101	51.8							

12/22/06	356	15:30	-44 40.8101	172 20.8356	07.8	215.4	143	144			34.396	10.045	51.8	
12/22/06	356	15:45	-44 42.2649	172 19.2599	07.6	217.8	140	140			34.416	10.151	51.7	
12/22/06	356	16:00	-44 43.8490	172 17.4802	07.9	220.9	138	139			34.399	09.976	51.8	
12/22/06	356	16:15	-44 45.4024	172 15.8716	07.8	245.2	147	151			34.474	10.146	51.8	
12/22/06	356	16:30	-44 46.9290	172 14.3188	07.8	217.7	159	158			34.507	10.230	51.6	
12/22/06	356	16:45	-44 48.3918	172 12.7899	07.6	214.1	208	208			34.447	10.004	51.8	
12/22/06	356	17:00	44 49.9102	172 11.1218	07.6	216.9	243	243			34.364	10.014	51.9	Michelle on, Roi off, Steve on, Fred off
12/22/06	356	17:15	44 51.3094	172 09.5306	07.2	217.0	297	305			34.326	09.834	51.9	
12/22/06	356	17:30	44 52.7875	172 07.8259	07.5	216.7	342	342			34.318	09.821	51.9	
12/22/06	356	17:45	-44 54.1882	172 06.2100	07.2	217.4	383	383			34.325	09.867	52.0	
12/22/06	356	18:00	-44 55.6565	172 04.6866	08.0	215.9	19	464			34.336	09.913	52.0	
12/22/06	356	18:15	-44 57.3235	172 02.9910	08.5	213.9	19	554			34.340	09.891	51.7	
12/22/06	356	18:30	-44 58.9620	172 01.2524	08.5	218.8	665	663			34.357	09.790	51.9	
12/22/06	356	18:45	-45 00.6054	171 59.4122	08.4	216.6	748	756			34.371	09.804	51.9	
12/22/06	356	19:00	-45 02.2392	171 57.7020	08.4	218.2	816	820			34.394	09.955	52.0	
12/22/06	356	19:15	-45 03.9061	000 01.7156	08.4	215.4	898	893			34.392	09.799	50.1	
12/22/06	356	19:30	-45 05.5428	171 54.3613	07.9	213.3	1120	1118			34.350	09.756	50.3	
12/22/06	356	19:45	-45 07.2162	171 52.7802	08.1	211.7	1116	1112			34.331	09.698	49.5	
12/22/06	356	20:00	-45 08.9069	171 51.2009	08.2	214.4	925	927			34.315	09.686	50.0	Dan off, Sian at Back Deck and Ping Editing orientations
12/22/06	356	20:15	-45 10.5766	171 49.4760	08.2	219.2	950	971			34.310	09.718	49.9	
12/22/06	356	20:30	-45 12.2145	171 47.6880	08.2	215.2	895	915			34.334	09.844	50.1	
12/22/06	356	20:45	-45 13.8629	171 46.1417	08.3	214.7	842	839			34.353	09.958	50.2	
12/22/06	356	21:00	-45 15.5620	171 44.5312	08.2	212.1	1121	1116			34.364	10.001	50.3	
12/22/06	356	21:15	-45 17.2874	171 42.8732	08.5	213.7	1035	1026			34.337	10.000	50.3	
12/22/06	356	21:30	-45 18.9990	171 41.2006	08.4	212.9	1058	1070			34.317	09.921	50.2	gravimeter running again
12/22/06	356	21:45	-45 20.7353	171 39.4757	08.5	213.8	997	1006	8290.1		34.309	09.707	50.3	
12/22/06	356	22:00	-45 22.4222	171 37.7618	08.2	219.2	1222	1244	8290.5		34.317	09.687	45.8	
12/22/06	356	22:15	-45 24.0878	171 35.8795	08.6	219.3	1042	1038	8297.2		34.307	09.737	53.0	
12/22/06	356	22:30	-45 25.7760	171 33.8727	08.6	217.1	951	949	8304.9		34.309	09.809	53.3	
12/22/06	356	22:45	-45 27.8716	171 31.7798	08.8	212.2	982	977	8306.5		34.311	09.809	53.1	
12/22/06	356	23:00	-45 29.2703	171 30.5722	08.7	210.1	1042	1041	8305.5		34.314	09.802	53.1	Franziska on, Michelle off
12/22/06	356	23:15	-45 31.0387	171 29.0067	08.7	214.4	964	1160	8311.5		34.314	09.764	52.8	
12/22/06	356	23:30	-45 32.7981	171 27.3120	08.6	214.7	1207	1191	8311.6		34.316	09.795	52.9	
12/22/06	356	23:45	-45 34.3584	171 25.7172	08.2	216.0	979	988	8306.3		34.310	09.830	52.9	
12/23/06	357	00:00	-45 36.1434	171 23.8843	08.9	222.4	855	856	8324.9		34.314	09.831	53.0	
12/23/06	357	00:15	-45 37.7797	171 21.5680	09.0	225.5	1013	1009	8330.7		34.325	09.789	52.9	
12/23/06	357	00:30	-45 39.1068	171 19.6500	08.8	224.1	1156	1189	8323.5		34.334	09.812	53.0	
12/23/06	357	00:45	-45 40.8984	171 17.7438	09.0	212.9	1276	1261	8321.1	59018	34.348	09.876	52.8	Maggie working
12/23/06	357	01:00	-45 42.6899	171 16.1627	08.9	210.5	709	692	8326.5	59032	34.353	09.833	52.7	
12/23/06	357	01:15	-45 44.6182	171 14.5615	08.8	212.3	577	573	8343.0	59046	34.341	09.829	52.7	
12/23/06	357	01:30	-45 46.5436	171 12.9108	09.1	211.3	876	1092	8334.6	59065	34.337	09.838	52.8	
12/23/06	357	01:45	-45 48.4190	171 11.3223	08.8	208.0	659	639	8335.7	59095	34.333	09.845	49.4	
12/23/06	357	02:00	-45 50.3540	171 09.8474	08.8	208.1	596	587	8349.7	59114	34.328	09.835	49.4	
12/23/06	357	02:15	-45 51.7863	171 07.4780	09.0	229.2	643	659	8371.3	59140	34.329	09.837	49.4	
12/23/06	357	02:30	-45 53.3425	171 05.4382	09.1	201.6	477	503	8365.0	59171	34.336	09.868	50.0	
12/23/06	357	02:45	-45 55.4860	171 04.0897	09.2	203.4	818	817	8362.9	59181	34.320	09.895	50.5	
12/23/06	357	03:00	-45 57.5794	171 02.7740	09.3	219.1	495	523	8365.6	59203	34.324	09.920	50.7	
12/23/06	357	03:15	-45 59.3816	171 00.7352	09.2	218.0	271	554	8398.5	59254	34.346	09.970	50.8	MBC off, bathy correct
12/23/06	357	03:30	-46 01.1236	170 58.8739	09.2	220.0	218	219	8411.2	59232	34.348	10.018	50.8	
12/23/06	357	03:45	-46 03.0885	170 56.9943	09.1	214.4	261	259	8412.6	59256	34.403	10.177	50.8	
12/23/06	357	04:00	-46 04.7999	170 55.5020	09.1	208.2	434	434	8395.5	59287	34.443	10.189	50.8	
12/23/06	357	04:15	-46 06.8159	170 53.7662	09.0	211.1	208	202	8416.4	59256	34.430	10.195	50.8	
12/23/06	357	04:30	-46 08.8094	170 51.9159	09.0	211.9	193	191	8416.4	59319	34.390	10.240	50.9	
12/23/06	357	04:45	-46 10.5787	170 50.2130	08.7	211.0	244	246	8418.3	59334	34.390	10.206	51.0	
12/23/06	357	05:00	-46 12.3150	170 48.2446	09.5	231.1	364	362	8418.7	59353	34.404	10.412	50.7	Franziska off, Marcel / Rob on
12/23/06	357	05:15	-46 13.8853	170 45.4550	09.0	225.0	583	582	8417.1	59374	34.380	10.128	50.4	
12/23/06	357	05:30	-46 15.6869	170 43.4930	09.0	215.2	489	499	8410.0	59401	34.436	10.197	50.4	
12/23/06	357	05:45	-46 17.3449	170 41.8469	08.9	214.1	400	398	8415.1	59420	34.469	10.221	48.4	
12/23/06	357	06:00	-46 19.3380	170 39.8337	09.0	217.7	441	438	8416.2	59443	34.375	10.220	47.7	
12/23/06	357	06:15	-46 21.1670	170 37.8781	08.9	215.9	747	744	8410.0	59465	34.375	10.239	48.1	
12/23/06	357	06:30	-46 22.8850	170 36.9965	09.6	213.1	628	615	8419.4	59493	34.372	10.272	47.3	









12/25/06	359	04:30	-53 52.0486	171 43.6441	05.8	178.3	847	841	9062.7	62365	34.351	08.167	373.2	
12/25/06	359	04:45	-53 54.2152	171 43.7347	10.3	180.6	762	765	9066.2	62423	34.346	08.331	374.3	magnetometer deployed but depth reading off, magnetic values seem fine t
12/25/06	359	05:00	-53 56.7650	171 43.6716	10.4	181.6	1162	1146	9065.4	62425	34.366	08.089	369.7	Franziska off, Marcel on
12/25/06	359	05:15	-53 59.3562	171 43.6862	10.2	178.3	1214	1204	9065.3	62409	34.275	07.996	375.7	
12/25/06	359	05:30	-54 01.9144	171 43.5809	10.2	181.6	1229	1217	9076.9	62397	34.285	07.732	377.2	
12/25/06	359	05:45	-54 04.3869	171 43.4998	10.1	181.9	1357	1341	9080.6	62428	34.296	07.669	377.3	XBT5-88 deployed at 5:58
12/25/06	359	06:00	-54 06.8294	171 43.5626	06.0	175.6	1556	1548	9081.4	62476	34.390	07.878	376.2	XBT5-89 deployed at 6:01 1000m
12/25/06	359	06:15	-54 08.9216	171 43.0449	10.0	184.2	1713	1717	9082.3	62475	34.296	07.667	372.9	thermosalinograph is being cleaned
12/25/06	359	06:30	-54 11.4505	171 43.3411	10.1	181.1	2137	2468	9065.7	62395	34.281	07.699	376.9	
12/25/06	359	06:45	-54 14.8956	171 43.3505	09.9	179.9	3236	3263	9048.9	62351	34.252	07.501	377.7	
12/25/06	359	07:00	-54 16.1391	171 43.3401	09.3	181.1	2189	2190	9064.8	62343	34.281	07.236	377.7	
12/25/06	359	07:15	-54 18.6781	171 43.2870	09.6	181.5	3211	3365	9061.8	62343	34.139	07.055	377.7	
12/25/06	359	07:30	-54 20.9905	171 43.2999	09.1	176.8	4050	4087	9046.6	62344	34.066	06.895	378.1	
12/25/06	359	07:45	-54 23.2979	171 43.2477	09.3	179.9	4339	4372	9046.4	62333	34.012	06.873	373.2	
12/25/06	359	08:00	-54 25.6359	171 43.1177	09.3	182.0	4500	4543	9052.2	62319	33.940	06.648	348.6	Lisa off, Rose on
12/25/06	359	08:15	-54 28.0531	171 42.9520	09.2	180.8	4504	4558	9058.6	62338	33.891	06.444	341.9	
12/25/06	359	08:30	-54 30.2178	171 42.8979	09.1	181.5	4650	4700	9063.9	62375	33.885	06.695	337.0	
12/25/06	359	08:45	-54 32.4845	171 42.7762	08.9	180.0	4716	4769	9067.5	62413	33.931	06.850	340.0	
12/25/06	359	09:00	-54 34.7312	171 42.7213	09.0	180.6	4763	4820	9070.6	62431	33.965	06.920	340.0	
12/25/06	359	09:15	-54 36.9486	171 42.6901	09.0	180.7	4803	4861	9073.0	62450	34.037	07.097	369.5	
12/25/06	359	09:30	-54 39.2230	171 42.7341	09.3	179.8	4875	4941	9075.3	62474	34.054	07.116	379.4	
12/25/06	359	09:45	-54 41.5762	171 42.7533	09.3	179.5	4926	4988	9079.6	62512	34.109	07.060	382.5	
12/25/06	359	10:00	-54 43.8978	171 42.8009	09.5	179.3	4979	5043	9083.1	62592	34.150	06.942	378.1	
12/25/06	359	10:15	-54 46.2737	171 42.8513	09.4	180.2	5010	5077	9086.1	62645	34.154	06.959	379.3	
12/25/06	359	10:30	-54 48.6186	171 42.8953	09.4	178.8	5060	5133	9088.0	62648	34.239	07.474	377.2	
12/25/06	359	10:45	-54 51.3441	171 43.0142	09.7	177.0	5067	5142	9092.5	62672	34.284	07.538	377.2	
12/25/06	359	11:00	-54 53.4863	171 43.0765	09.7	178.7	5050	5119	9097.8	62652	34.304	07.796	348.7	Marcel off, Roi on
12/25/06	359	11:15	-54 55.8973	171 43.1808	09.6	178.2	5118	5191	9100.7	62613	34.360	08.002	341.7	
12/25/06	359	11:30	-54 58.2628	171 43.3264	09.6	177.9	5098	5167	9103.6	62624	34.376	08.078	339.8	
12/25/06	359	11:45	-55 00.6324	171 43.3585	09.7	180.8	5158	5167	9108.1	62651	34.376	07.984	338.2	
12/25/06	359	12:00	-55 03.0421	171 43.2147	09.9	184.0	5187	5200	9113.3	62639	34.297	07.569	342.3	
12/25/06	359	12:15	-55 05.4872	171 42.9465	09.7	183.3	5200	5226	9115.7	62619	34.355	07.985	342.3	
12/25/06	359	12:30	-55 07.9399	171 42.8531	09.8	179.0	5210	5227	9115.0	62607	34.388	08.034	341.2	
12/25/06	359	12:45	-55 10.4384	171 43.0655	10.0	177.5	5262	5280	9115.9	62590	34.393	08.046	341.9	
12/25/06	359	13:00	-55 12.8998	171 43.2962	10.0	176.1	5256	5273	9120.6	62623	34.402	08.305	342.1	
12/25/06	359	13:15	-55 15.3841	171 43.4930	10.2	176.9	5238	5259	9126.9	62633	34.400	08.115	344.3	
12/25/06	359	13:30	-55 17.8988	171 43.5370	10.1	177.6	5090	5109	9135.0	62648	34.389	08.055	342.4	
12/25/06	359	13:45	-55 20.4012	171 43.5205	10.2	180.7	5308	5321	9138.9	62657	34.381	07.992	341.8	
12/25/06	359	14:00	-55 22.9374	171 43.5315	10.0	179.4	5266	5288	9140.4	62663	34.371	07.964	341.8	
12/25/06	359	14:15	-55 25.4633	171 43.5947	10.4	178.8	5258	5273	9143.3	62700	34.350	07.887	344.7	
12/25/06	359	14:30	-55 27.9858	171 43.7302	10.0	179.6	5269	5287	9147.6	62770	34.345	07.825	347.1	
12/25/06	359	14:45	-55 30.5015	171 43.7009	10.2	180.3	5253	5270	9154.6	62776	34.320	07.728	349.0	
12/25/06	359	15:00	-55 33.0249	171 43.5489	10.1	180.3	5245	5260	9159.9	62834	34.238	07.117	355.0	
12/25/06	359	15:15	-55 35.5560	171 43.4125	10.2	182.0	5298	5313	9163.0	62849	34.187	06.941	374.3	
12/25/06	359	15:30	-55 38.0660	171 43.2999	10.1	181.2	5371	5392	9166.9	62814	34.200	06.960	375.9	
12/25/06	359	15:45	-55 40.5890	171 43.1918	10.1	180.7	5253	5280	9170.6	62790	34.188	07.451	376.7	
12/25/06	359	16:00	-55 43.1561	171 43.2138	10.1	180.1	5301	5321	9172.0	62801	34.329	07.639	350.3	
12/25/06	359	16:15	-55 45.6075	171 43.2669	10.0	179.8	5370	5390	9174.8	62801	34.290	07.494	349.8	
12/25/06	359	16:30	-55 48.2046	171 43.2019	10.4	180.8	5297	5321	9179.9	62814	34.294	07.520	355.4	
12/25/06	359	16:45	-55 50.8240	171 43.1927	10.7	179.6	5479	5491	9180.5	62827	34.281	07.537	359.3	Roi off, doing mammal watch
12/25/06	359	17:00	-55 53.5201	171 43.2266	10.7	180.4	5460	5485	9182.1	62813	34.284	07.513	363.5	Michelle on
12/25/06	359	17:15	-55 56.1674	171 43.1186	10.6	181.5	5499	5521	9187.9	62686	34.291	07.448	363.5	
12/25/06	359	17:30	-55 58.5507	171 43.0417	03.0	185.6	5409	5433	9193.7	off	34.286	07.522	349.3	
12/25/06	359	17:39												Charge detonated
12/25/06	359	17:45	-55 58.7700	171 43.2303	01.0	114.3	5399	5425	9192.6	off	34.323	07.581	341.0	Charge detonated
12/25/06	359	17:52												
12/25/06	359	18:00	-55 58.8737	171 43.7604	03.5	158.7	5400	5423	9190.4	off	34.326	07.601	339.9	
12/25/06	359	18:15	-56 00.7212	171 43.8959	10.5	180.3	5357	5370	9197.6	off	34.332	07.618	339.5	
12/25/06	395	18:24								62765				Magnetometer back on
12/25/06	359	18:30	-56 03.2311	171 43.8611	10.2	180.6	5388	5406	9201.6	62767	34.211	07.066	351.9	
12/25/06	359	18:45	-56 05.7024	171 43.6212	09.9	183.7	5350	5363	9208.4	62861	34.135	06.633	366.9	

12/25/06	359	19:00	-56 08.2153	171 43.3347	10.0	184.7	5413	5424	9210.0	63020	34.128	06.604	366.9		
12/25/06	359	19:15	-56 10.6767	171 43.1305	10.1	181.0	5432	5446	9211.1	63076	34.081	06.500	376.3		
12/25/06	359	19:30	-56 13.2018	171 43.0573	10.0	180.2	5376	5391	9214.1	63113	34.141	06.420	374.2		
12/25/06	359	19:45	-56 15.6963	171 43.0426	10.1	180.6	5385	5403	9218.3	63113	34.146	06.827	374.4		
12/25/06	359	20:00	-56 18.1815	171 43.0728	09.8	180.1	5397	5411	9221.4	63058	34.100	06.650	375.0		Dan off
12/25/06	359	20:15	-56 20.6731	171 43.0902	09.9	179.6	5446	6067	9227.4	62981	34.150	06.716	377.9		Sian on
12/25/06	359	20:30	-56 23.1335	171 43.0673	09.8	180.4	5267	5311	9233.7	62977	34.162	06.741	377.9		
12/25/06	359	20:45	-56 25.6304	171 43.0536	09.9	179.9	5150	5310	9237.3	63039	34.160	06.632	375.6		
12/25/06	359	21:00	-56 28.0630	171 43.0124	10.0	179.6	5384	5508	9236.5	63021	34.159	06.631	376.1		
12/25/06	359	21:15	-56 30.5612	171 43.0188	10.0	178.9	5321	5335	9239.2	62919	34.142	06.691	375.2		
12/25/06	359	21:30	-56 33.0347	171 43.0664	09.8	179.1	5536	5574	9239.3	62962	34.148	06.673	375.7		
12/25/06	359	21:45	-56 35.5062	171 43.0261	09.9	180.9	5283	5437	9245.3	62922	34.090	06.354	377.0		
12/25/06	359	22:00	-56 37.9992	171 42.9510	10.1	180.5	5375	5392	9251.3	62873	34.055	06.237	376.2		
12/25/06	359	22:15	-56 40.5588	171 43.0289	10.1	177.9	5363	5432	9254.1	62881	34.076	06.357	376.2		
12/25/06	359	22:30	-56 43.0074	171 43.0728	10.0	178.7	5344	5358	9259.3	62902	34.109	06.513	376.9		
12/25/06	359	22:45	-56 45.4685	171 43.0838	10.0	179.7	5397	5435	9260.3	62935	34.167	06.790	376.7		
12/25/06	359	23:00	-56 47.9778	171 43.0966	09.9	180.0	5609	5651	9262.5	62969	34.321	06.655	375.7		Michelle off, Franziska on
12/25/06	359	23:15	-56 50.4103	171 43.1186	10.0	179.1	5390	5811	9266.8	63001	34.155	06.332	375.1		
12/25/06	359	23:30	-56 52.8866	171 43.1589	10.0	179.0	5374	5431	9273.4	63050	34.135	06.566	376.7		
12/25/06	359	23:45	-56 55.3619	171 43.2614	09.7	179.8	5318	5336	9277.7	63064	34.132	06.757	376.0		
12/26/06	360	00:00	-56 57.7297	171 43.3466	09.6	179.8	5324	5328	9278.2	63093	34.184	06.539	376.0		
12/26/06	360	00:15	-57 00.2051	171 43.4500	09.4	179.4	5371	5368	9278.9	63122	34.165	06.589	377.2		
12/26/06	360	00:30	-57 02.5843	171 43.4802	09.4	178.5	5377	5389	9282.1	63127	34.201	06.815	376.2		
12/26/06	360	00:45	-57 04.9370	171 43.4427	09.5	180.4	5370	5435	9281.8	63169	34.251	06.793	375.6		
12/26/06	360	01:00	-57 07.3309	171 43.3475	09.8	180.6	5544	5560	9284.7	63292	34.216	06.682	375.0		
12/26/06	360	01:15	-57 09.7382	171 43.4473	09.6	179.1	5548	5571	9285.9	63345	34.164	06.538	376.0		
12/26/06	360	01:30	-57 12.1568	171 43.6487	09.4	180.3	5649	5668	9290.1	63317	34.140	06.386	376.0		
12/26/06	360	01:45	-57 14.5308	171 43.5132	09.3	183.6	5290	5392	9299.8	63307	34.093	06.311	376.8		
12/26/06	360	02:00	-57 16.8620	171 43.3292	09.3	183.4	5316	5326	9303.1	63270	34.113	06.405	377.6		
12/26/06	360	02:15	-57 19.1968	171 43.1296	09.5	180.1	5448	5466	9303.7	63210	34.141	06.668	375.9		Sian off, Lisa on
12/26/06	360	02:30	-57 21.5430	171 43.1314	09.6	178.1	5474	5490	9303.1	63181	34.216	05.770	374.2		
12/26/06	360	02:45	-57 23.8969	171 43.1195	09.4	178.3	5422	5435	9305.9	63166	34.044	05.862	374.7		
12/26/06	360	03:00	-57 26.2695	171 43.1195	09.5	179.4	5410	5428	9311.7	63214	33.938	05.274	374.5		
12/26/06	360	03:15	-57 28.6226	171 43.0536	09.5	182.2	5030	5209	9318.9	63362	34.072	05.692	374.5		
12/26/06	360	03:30	-57 30.9144	171 42.8970	09.5	181.4	5029	5033	9327.0	63539	33.933	05.321	371.9		
12/26/06	360	03:35													XBT T5-91
12/26/06	360	03:40	-57 32.3495	171 42.9282			5001	5795							XBT T5-92
12/26/06	360	03:45	-57 32.6711	171 42.9593	05.8	179.0	5022	5048	9326.8	63557	33.927	05.385	371.0		
12/26/06	360	04:00	-57 33.8123	171 43.0582	01.6	160.0	5192	5207	9329.0	-	33.951	05.451	370.3		Magnetometer off some time before while still logging
12/26/06	360	04:03	-57 33.9191	171 43.1296			5159	5209							Sus Charge A3, 1000 ft
12/26/06	360	04:09	-57 34.0759	171 43.2852			5217	5208							Sus Charge A3, 1500 ft
12/26/06	360	04:15	-57 34.2183	171 43.3987	02.0	153.9	5200	5212	9324.3	-	33.954	05.529	371.3		Sus Charge A3, 2000 ft
12/26/06	360	04:30	-57 35.8507	171 43.1781	09.1	187.9	5140	5169	9333.9	-	33.961	05.427	371.7		
12/26/06	360	04:34													Magnetometer online at ~4:34
12/26/06	360	04:45	-57 38.1580	171 43.0362	09.4	180.7	5240	5264	9332.9	63603	33.900	05.241	372.1		
12/26/06	360	05:00	-57 40.4453	171 42.9565	09.5	182.7	5139	5791	9336.5	63629	33.903	05.242	372.1		Franziska off, Marcel on
12/26/06	360	05:15	-57 42.8497	171 42.9510	09.0	180.8	5079	5090	9339.4	63625	33.892	05.462	369.7		
12/26/06	360	05:30	-57 44.8968	171 42.9144	08.8	177.9	5076	5088	9342.9	63636	33.985	05.655	370.4		
12/26/06	360	05:45	-57 47.1368	171 43.0188	08.7	177.6	5088	5101	9345.7	63633	33.997	05.736	368.4		
12/26/06	360	06:00	-57 49.1560	171 43.0435	08.8	179.6	5068	5074	9349.3	63599	34.057	06.293	370.4		
12/26/06	360	06:15	-57 51.2947	171 43.1039	08.6	179.7	5087	5130	9352.9	63579	34.092	06.511	373.8		
12/26/06	360	06:30	-57 53.4677	171 43.4296	08.8	180.3	4811	4869	9359.1	63549	34.095	06.290	373.8		
12/26/06	360	06:45	-57 55.6098	171 43.0371	08.5	179.4	4972	5025	9361.5	63471	34.247	07.004	374.1		
12/26/06	360	07:00	-57 57.7716	171 43.0573	08.8	178.9	5123	5161	9362.3	63494	34.241	06.913	375.2		
12/26/06	360	07:15	-57 59.9162	171 43.1451	08.8	166.5	5195	5168	9363.8	63544	34.209	06.807	375.4		
12/26/06	360	07:30	-58 02.0408	171 44.3234	08.7	159.1	5252	5293	9355.6	63546	34.217	06.931	375.3		
12/26/06	360	07:45	-58 04.0979	171 45.6912	08.4	159.4	5330	5454	9355.2	63552	34.246	06.957	375.9		
12/26/06	360	08:00	-58 06.1597	171 46.9812	08.6	164.3	5257	5213	9359.0	63614	34.232	06.880	375.7		Lisa off, Rose on
12/26/06	360	08:15	-58 08.2352	171 48.3096	08.9	159.5	5183	5195	9362.7	63621	34.248	06.889	375.7		
12/26/06	360	08:30	-58 10.2930	171 49.9283	08.9	160.6	5474	5498	9363.3	63570	34.229	06.798	374.7		
12/26/06	360	08:45	-58 12.3273	171 51.1172	08.6	163.3	5312	5330	9367.9	63628	34.144	06.211	374.4		

12/26/06	360	09:00	-58 14.3480	171 52.1670	08.5	161.3	5054	5071	9372.3	63696	34.075	06.160	373.9	
12/26/06	360	09:15	-58 16.3499	171 53.7662	08.6	162.0	4925	4997	9377.7	63625	34.052	06.491	373.4	
12/26/06	360	09:30	-58 18.3433	171 55.1047	08.4	159.1	5180	5192	9380.0	63379	34.090	05.922	373.5	
12/26/06	360	09:45	-58 20.3300	171 56.4450	08.3	160.8	4998	5018	0938.1	63338	33.959	05.239	373.3	
12/26/06	360	10:00	-58 22.2816	171 57.5803	08.3	165.5	5120	5215	9382.9	63733	33.918	04.986	368.7	
12/26/06	360	10:15	-58 24.2992	171 58.7320	08.5	163.8	5301	5347	9381.9	63468	33.878	04.861	370.0	
12/26/06	360	10:30	-58 26.3029	172 00.0186	08.6	163.3	5214	5231	9381.6	63577	33.935	04.797	366.3	
12/26/06	360	10:45	-58 28.3516	172 01.2323	08.7	161.8	5253	5256	9383.7	63616	33.969	04.545	361.6	
12/26/06	360	11:00	-58 30.4507	172 02.4509	09.1	159.0	5245	5254	9383.9	63636	33.917	04.379	358.8	Marcel off, Roi on
12/26/06	360	11:15	-58 32.5360	172 03.7344	08.7	163.7	5225	5235	9388.1	63606	33.927	04.406	357.9	
12/26/06	360	11:30	-58 34.6701	172 04.9796	09.2	164.9	5078	5073	9389.3	63601	33.905	04.253	357.0	
12/26/06	360	11:45	-58 36.8891	172 06.1853	09.4	160.7	5341	5947	9394.8	63650	33.921	04.335	357.0	
12/26/06	360	12:00	-58 39.0436	172 07.6776	09.1	160.4	4938	751	9399.0	63743	33.921	03.980	356.3	
12/26/06	360	12:15	-58 41.1919	172 09.0848	09.1	162.1	5169	5172	9402.8	63728	33.887	03.898	350.9	
12/26/06	360	12:30	-58 43.3800	172 10.4425	09.3	161.9	5305	5318	9405.2	63620	33.884	03.940	350.5	
12/26/06	360	12:45	-58 45.5738	172 11.8698	09.3	159.7	5319	5348	9409.3	63569	33.882	03.861	350.0	
12/26/06	360	13:00	-58 47.8088	172 13.4171	09.4	158.3	5228	5282	9415.3	63584	33.877	03.795	350.3	
12/26/06	360	13:15	-58 49.9521	172 14.9185	09.2	160.0	4998	5015	9420.9	63602	33.876	03.874	350.3	
12/26/06	360	13:30	-58 52.1594	172 16.4218	09.5	162.5	5005	5373	9423.0	63634	33.884	03.857	347.8	
12/26/06	360	13:45	-58 54.3562	171 17.8427	09.5	163.3	5098	5119	9426.5	63673	33.884	03.866	347.3	
12/26/06	360	14:00	-58 56.5675	172 19.2352	09.3	163.5	5043	5301	9431.2	63706	33.880	03.870	346.0	
12/26/06	360	14:15	-58 58.7945	172 20.5875	09.4	162.8	5282	5323	9438.4	63749	33.878	03.849	346.8	
12/26/06	360	14:30	-59 00.9634	172 22.0450	09.2	160.1	4514	4878	9442.9	63800	33.874	03.814	346.6	
12/26/06	360	14:45	-59 03.3126	172 23.6874	09.6	161.2	4692	4628	9449.9	63831	33.867	03.788	346.6	
12/26/06	360	15:00	-59 05.3579	172 25.0085	09.4	166.5	4109	4187	9457.6	63847	33.869	03.799	344.9	
12/26/06	360	15:15	-59 07.6039	172 26.0669	09.3	167.8	4391	4439	9461.3	63882	33.870	03.828	346.1	
12/26/06	360	15:30	-59 09.8827	172 27.1051	09.3	167.0	4359	4476	9465.1	63895	33.867	03.892	346.8	
12/26/06	360	15:45	-59 12.1983	172 28.0710	09.8	166.7	4582	4497	9472.1	63827	33.881	03.965	349.1	
12/26/06	360	16:00	-59 14.4994	172 28.9902	09.5	169.4	4377	4441	9476.6	63786	33.873	03.919	347.8	
12/26/06	360	16:15	-59 16.7983	172 29.8370	09.4	168.8	4492	4628	9479.8	63652	33.867	03.904	347.3	
12/26/06	360	16:30	-59 19.0849	172 30.7974	09.2	168.1	4501	4578	9482.3	63466	33.875	03.955	347.3	
12/26/06	360	16:45	-59 21.4101	172 31.8970	09.3	166.8	4501	4965	9485.3	63455	33.890	04.330	351.6	
12/26/06	360	17:00	-59 23.6522	172 32.9993	09.5	165.4	4556	4646	9487.5	63493	33.918	04.759	357.8	
12/26/06	360	17:06								off				Magnetometer off
12/26/06	360	17:11												Sequence #93, T5 XBT in water
12/26/06	360	17:15	-59 25.3699	172 33.8416	05.7	165.1	4549	4497	9494.3	off	33.935	04.938	362.0	
12/26/06	360	17:17												2 sonobuoys in the water
12/26/06	360	17:26												1 more sonobuoy in the water
12/26/06	360	17:30	-59 26.7410	172 34.5291	04.6	172.0	1906	4706	9495.5	off	33.945	05.018	365.4	hydrophone in the water
12/26/06	360	17:35												charge in the water (1000 ft)
12/26/06	360	17:40												charge in the water (1500 ft)
12/26/06	360	17:45	-59 26.9859	172 34.7964	01.0	122.4	4662	4658	9500.4	off	33.957	05.002	366.6	
12/26/06	360	17:46	-59 27.0049	172 34.8468										charge in the water (2000 ft)
12/26/06	360	18:00	-59 28.0252	172 35.2844	09.6	170.0	4553	5154	9497.1	off	33.965	05.015	366.8	
12/26/06	360	18:06	-59 29.0685	172 35.6689						63597				magnetometer online
12/26/06	360	18:15	-59 30.4278	172 36.3666	09.8	161.3	4892	4789	9494.0	63626	33.939	04.870	366.8	
12/26/06	360	18:30	-59 32.7166	172 38.1848	09.8	159.1	4532	4829	9488.7	63761	33.954	04.734	356.0	
12/26/06	360	18:45	-59 34.9997	172 39.9783	09.7	159.5	5373	4587	9493.2	63845	33.982	04.973	363.6	
12/26/06	360	19:00	-59 37.2771	172 41.7966	09.7	157.3	4446	4799	9495.1	63684	33.992	05.046	367.8	
12/26/06	360	19:15	-59 39.5700	172 43.7018	10.0	156.2	4524	4530	9494.7	63623	34.017	05.164	369.1	NOTE: depth on paper log is MB since Michelle came on watch
12/26/06	360	19:30	-59 41.8783	172 45.5887	10.3	157.2	5120	5090	9493.9	63655	34.025	04.986	369.9	switching back to Bathy2000 value now
12/26/06	360	19:45	-59 44.2640	172 47.4747	10.3	159.1	4850	4904	9494.3	63697	33.955	04.414	369.9	
12/26/06	360	20:00	-59 46.6047	172 49.3698	10.4	157.8	5060	6080	9499.7	63701	33.940	04.469	366.0	Dan off, Sian on
12/26/06	360	20:15	-59 48.9688	172 51.2192	09.7	159.2	4903	5516	9502.2	63669	33.940	04.536	367.1	
12/26/06	360	20:30	-59 51.2791	172 53.0420	09.9	157.8	4767	5001	9502.3	63679	33.970	04.501	366.1	
12/26/06	360	20:45	-59 53.5677	172 54.8474	10.1	158.5	4896	4901	9502.3	63682	33.989	04.470	367.5	
12/26/06	360	21:00	-59 55.8497	172 56.6528	09.8	158.3	4995	4964	9502.8	63703	33.991	04.361	367.7	
12/26/06	360	21:15	-59 58.1898	172 58.5764	10.0	159.3	4784	4786	9505.5	63710	33.970	04.342	368.8	
12/26/06	360	21:30	-60 00.4298	173 00.5090	10.0	154.1	4941	5104	9507.0	63663	33.950	04.392	368.8	
12/26/06	360	21:45	-60 02.7022	173 02.5470	10.2	156.8	5324	5291	9508.5	63598	33.934	04.051	363.4	
12/26/06	360	22:00	-60 04.9715	173 04.6069	10.0	156.6	4557	4648	9520.8	63613	33.899	03.775	363.6	



12/26/06	360	22:15	-60 07.2375	173 06.5543	10.2	154.8	4365	4635	9529.3	63604	33.880	03.820	358.0		
12/26/06	360	22:30	-60 09.5105	173 08.5501	10.1	156.6	4850	4830	9529.0	63568	33.885	03.762	354.3		
12/26/06	360	22:45	-60 11.8178	173 10.4965	10.1	157.8	4795	5745	9532.4	63682	33.934	04.122	355.4		
12/26/06	360	23:00	-60 14.1399	173 12.5180	10.2	157.1	4857	5410	9534.2	63959	33.941	04.124	356.2		Michelle off, Franziska on
12/26/06	360	23:15	-60 16.4385	173 14.5541	10.0	154.6	5158	4971	9535.6	63908	33.931	04.288	360.9		
12/26/06	360	23:30	-60 18.7470	173 16.6809	10.2	155.5	3923	4914	9538.7	63697	33.945	04.322	363.5		
12/26/06	360	23:45	-60 21.0079	173 18.8763	10.1	154.1	2860	4738	9543.9	63634	33.946	04.350	363.3		
12/27/06	361	00:00	-60 23.2640	173 21.1377	09.8	154.8	4840	4834	9546.8	63666	33.952	04.366	364.0		
12/27/06	361	00:15	-60 25.4606	173 23.4741	09.9	152.1	4860	4813	9544.8	63742	33.953	04.006	363.6		
12/27/06	361	00:30	-60 27.6874	173 25.7291	10.0	155.3	5111	5119	9549.6	63792	33.888	03.680	360.3		
12/27/06	361	00:45	-60 29.9117	173 27.7286	10.0	158.0	4870	5751	9554.5	63943	33.894	03.598	360.3		
12/27/06	361	01:00	-60 32.2028	173 29.8627	09.8	144.1	4747	5545	9559.5	64000	33.909	03.416	355.5		
12/27/06	361	01:15	-60 34.2416	173 32.7475	10.0	146.6	4779	4772	9555.6	63655	33.903	03.552	356.1		
12/27/06	361	01:30	-60 36.2956	173 35.5481	10.1	143.6	4839	4724	9558.3	63587	33.907	03.619	355.2		
12/27/06	361	01:45	-60 38.2894	173 38.5583	09.9	143.7	4717	4792	9558.6	63586	33.909	03.240	356.0		
12/27/06	361	02:00	-60 40.2699	173 41.4825	09.8	143.6	4723	5314	9562.2	63566	33.884	03.175	355.5		Sian off
12/27/06	361	02:15	-60 42.2296	173 44.4489	09.6	143.5	3847	5008	9567.4	63651	33.890	03.248	355.9		Lisa on
12/27/06	361	02:30	-60 44.1989	173 47.4353	09.7	145.7	4651	4654	9566.6	63758	33.896	03.178	355.9		
12/27/06	361	02:45	-60 46.1639	173 50.3529	10.0	146.8	4657	5489	9568.9	63780	33.890	03.040	355.0		
12/27/06	361	03:00	-60 48.1799	173 53.1747	09.9	144.7	4450	4979	9568.0	63803	33.880	02.875	355.3		
12/27/06	361	03:15	-60 50.2126	173 56.0239	09.8	145.8	4916	4917	9567.3	63776	33.867	02.935	356.6		
12/27/06	361	03:30	-60 52.2610	173 58.8062	09.9	147.2	4670	4678	9574.7	63795	33.877	02.927	354.1		
12/27/06	361	03:35	-60 52.8083	173 59.5761											xbt5/94 deployed
12/27/06	361	03:37	-60 53.0136	173 59.8691											stop logging mag
12/27/06	361	03:45	-60 53.5508	174 00.6400	05.6	142.9	4388	4383	9590.1		33.880	02.942	353.1		
12/27/06	361	04:00	-60 54.3832	174 01.7679	02.9	139.1	4394	4419	9600.5		33.884	02.886	352.6		
12/27/06	361	04:01	-60 54.4633	174 01.8942				4403							Sus A5 1000ft
12/27/06	361	04:06	-60 54.6297	174 02.1744				4379							Sus A5 1500ft double charge
12/27/06	361	04:15	-60 55.0256	174 02.8455	09.0	145.1	2066	5982	9600.9		33.881	02.867	350.9		
12/27/06	361	04:22	-60 56.0587	174 04.3039											Magnetometer back on-line
12/27/06	361	04:30	-60 57.0525	174 05.7202	09.8	144.2	5460	4093	9590.0	64037	33.890	02.832	352.5		
12/27/06	361	04:45	-60 59.0829	174 08.6151	10.0	144.1	4877	5131	9589.5	63961	33.896	02.987	354.0		
12/27/06	361	05:00	-61 00.9819	174 11.2903	10.0	147.9	4960	5480	9586.4	63885	33.912	02.808	357.6		Franziska off, Marcel on
12/27/06	361	05:15	-61 03.3685	174 14.2081	09.7	148.1	4357	4374	9597.0	64062	33.889	02.913	356.6		
12/27/06	361	05:30	-61 05.2468	174 16.9537	09.9	146.2	4188	4473	9606.7	63915	33.906	02.924	355.6		
12/27/06	361	05:45	-61 07.3139	174 19.7379	10.3	147.2	4188	4185	9608.5	63655	33.914	02.969	355.6		
12/27/06	361	06:00	-61 09.5496	174 22.6630	10.1	146.6	3964	4074	9622.0	63736	33.926	03.045	357.0		
12/27/06	361	06:15	-61 11.6956	174 25.2545	10.4	146.8	3536	3558	9630.6	64058	33.968	03.312	359.1		
12/27/06	361	06:30	-61 13.8388	174 28.4198	10.2	148.2	4243	4257	9629.9	64217	33.927	03.451	358.3		
12/27/06	361	06:45	-61 15.9773	174 31.2927	10.0	141.0	4660	4763	9619.7	64014	33.981	03.676	360.9		
12/27/06	361	07:00	-61 17.7848	174 34.9591	10.1	137.3	4288	4297	9616.5	63852	33.998	03.542	361.6		
12/27/06	361	07:15	-61 19.6912	174 38.3789	10.3	140.8	4126	4101	9627.8	63752	33.997	03.537	361.8		
12/27/06	361	07:30	-61 21.6142	174 41.7984	10.1	139.2	4494	4639	9633.8	63790	34.010	03.606	361.8		
12/27/06	361	07:45	-61 23.5222	174 45.2756	10.2	138.3	3648	3699	9641.3	63999	34.006	03.611	361.3		
12/27/06	361	08:00	-61 25.3932	174 48.7445	10.0	140.1	4167	4179	9641.6	63825	34.010	03.585	362.1		Lisa off, Rose on
12/27/06	361	08:15	-61 27.2791	174 52.2153	09.9	137.7	4257	4109	9639.1	63828	34.011	03.609	362.9		
12/27/06	361	08:30	-61 29.1784	174 55.7217	10.0	138.5	4326	4117	9648.1	64208	34.018	03.617	362.7		
12/27/06	361	08:45	-61 30.9469	174 59.4818	10.1	129.4	3400	3565	9659.8	64071	34.015	03.602	363.4		
12/27/06	361	09:00	-61 32.5072	175 03.5925	09.9	128.6	3991	3961	9662.2	63818	34.018	03.606	363.4		
12/27/06	361	09:15	-61 34.0292	175 07.6685	09.8	129.8	3604	4291	9669.9	63732	34.015	03.581	362.9		
12/27/06	361	09:30	-61 35.5931	175 11.7206	10.0	129.3	3364	3369	9680.2	63680	34.012	03.552	363.7		
12/27/06	361	09:45	-61 37.1473	175 15.8093	09.9	130.2	3348	3491	9688.1	63614	34.006	03.538	363.7		
12/27/06	361	10:00	-61 38.6943	175 19.8772	09.8	129.1	3514	3287	9864.0	63657	34.000	03.468	362.1		
12/27/06	361	10:15	-61 40.2292	175 23.9694	10.1	128.8	3288	3256	9690.5	63946	33.979	03.251	361.4		
12/27/06	361	10:30	-61 41.7597	175 28.0399	09.8	129.0	3773	3785	9673.5	64043	33.941	03.000	360.0		
12/27/06	361	10:45	-61 43.2884	175 32.0975	10.2	129.4	3876	4255	9663.2	63915	33.912	02.726	360.0		
12/27/06	361	11:00	-61 44.8581	175 36.0690	09.9	129.9	3932	3903	9666.3	63528	33.884	02.729	354.4		
12/27/06	361	11:15	-61 46.3781	175 40.0168	09.5	128.8	3389	5320	9681.6	63681	33.881	02.608	353.2		
12/27/06	361	11:30	-61 48.0460	175 43.4042	09.4	163.7	3275	3269	9694.0	63717	33.885	02.643	353.9		
12/27/06	361	11:45	-61 50.2265	175 44.8499	09.2	163.1	4032	3975	9685.8	63692	33.884	02.537	356.4		
12/27/06	361	12:00	-61 52.3780	175 46.1499	09.0	164.4	4130	4150	9672.3	63785	33.886	02.302	361.6		

12/27/06	361	12:15	-61 54.5780	175 47.3090	09.1	169.9	4346	4314	9663.3	63808	33.907	02.050	365.3	
12/27/06	361	12:30	-61 56.7748	175 48.2272	08.9	168.2	4476	4461	9662.0	63831	33.896	02.079	365.3	
12/27/06	361	12:45	-61 58.9980	175 49.2526	09.0	168.9	4135	4136	9665.4	63904	33.906	01.930	378.2	
12/27/06	361	13:00	-62 01.2138	175 50.2551	09.2	168.1	4488	4478	9666.6	63843	33.908	01.861	380.3	
12/27/06	361	13:15	-62 03.4291	175 51.2869	09.2	166.6	4446	4444	9665.1	63790	33.922	01.582	382.1	
12/27/06	361	13:30	-62 05.6802	175 52.4597	09.5	163.8	4348	5505	9667.0	63807	33.906	01.281	384.0	
12/27/06	361	13:45	-62 07.9443	175 53.8229	09.3	164.3	4120	4096	9672.4	63801	33.892	01.069	377.8	
12/27/06	361	14:00	-62 10.2269	175 55.1990	09.7	165.8	4051	5173	9680.2	63753	33.889	00.713	377.8	
12/27/06	361	14:15	-62 12.5826	175 56.5109	09.5	166.9	4012	4019	9686.5	63779	33.823	00.632	367.8	
12/27/06	361	14:30	-62 14.9103	175 57.7679	10.0	167.2	4337	4328	9689.8	63751	33.824	00.658	371.0	
12/27/06	361	14:45	-62 17.2648	175 58.9755	10.0	166.6	4129	4090	9694.1	63630	33.797	00.676	371.7	
12/27/06	361	15:00	-62 19.6850	176 11.2380	09.8	166.4	4019	3999	9701.7	63614	33.786	00.669	370.6	
12/27/06	361	15:15	-62 22.1317	176 01.4941	10.2	166.7	4403	4368	9702.1	63646	33.805	01.113	365.5	
12/27/06	361	15:30	-62 24.5943	176 02.7676	10.3	166.9	4124	4101	9708.8	63686	33.828	01.293	364.6	
12/27/06	361	15:45	-62 27.1243	176 04.0530	10.3	167.1	3891	3861	9718.1	63833	33.850	01.165	364.6	
12/27/06	361	16:00	-62 29.9437	176 05.5243	10.3	165.9	3745	3696	9727.1	63943	33.850	01.158	366.0	
12/27/06	361	16:15	-62 32.0869	176 06.7465	10.2	167.0	3816	3787	9730.2	64021	33.812	01.182	366.7	
12/27/06	361	16:30	-62 34.5220	176 08.0896	10.2	165.6	3806		9734.2	63806	33.766	01.149	358.2	
12/27/06	361	16:45	-62 37.0242	176 09.4556	10.3	165.8	3896	3944	9735.0	63723	33.787	01.168	359.8	
12/27/06	361	16:56	-62 39.1688	176 10.5807										sonibuoy launched
12/27/06	361	17:00	-62 39.5364	176 10.7822	10.4	166.3	3882	3866	9735.1	63953	33.802	01.156	359.9	Michelle on, Roi off
12/27/06	361	17:05	-62 40.2638	176 11.2134										XBT launched
12/27/06	361	17:15	-62 41.0520	176 11.6968	05.6	162.9	3820	3799	9740.0	off	33.784	01.166	362.5	Magnetometer powered down
12/27/06	361	17:22	-62 41.7355	176 12.1143										Magnetometer on deck
12/27/06	361	17:26												Hydrophone in the water
12/27/06	361	17:30	-62 42.0346	176 12.1884	01.2	183.2	3866	3971	9743.2	off	33.787	01.081	360.3	SUS charge deployed (1000 ft)
12/27/06	361	17:36	-62 42.1664	176 12.1994										SUS (x2) charge deployed (1500 ft)
12/27/06	361	17:45	-62 42.2564	176 12.3578	01.2	148.3	3824	3855	9742.5	off	33.789	01.048	360.3	SUS (x3) charge deployed (1500 ft)
12/27/06	361	17:52	-62 42.3409	176 12.5327										SUS (x3) charge deployed (2000 ft)
12/27/06	361	17:57												hydrophone recovered
12/27/06	361	18:00	-62 42.4411	176 12.6553	03.1	172.4	3739	3778	9740.5	off	33.791	01.080	361.1	
12/27/06	361	18:02												magnetometer in the water
12/27/06	361	18:10							64005					magnetometer powered up
12/27/06	361	18:15	-62 44.4953	176 13.5736	09.9	166.0	3917	4949	9736.1	63990	33.812	01.177	365.3	
12/27/06	361	18:30	-62 46.9192	176 14.8938	10.0	167.1	3832	4368	9732.9	63821	33.787	01.217	363.7	
12/27/06	361	18:45	-62 49.3671	176 16.1325	10.0	166.2	3983	3978	9729.0	63733	33.768	01.144	363.3	
12/27/06	361	19:00	-62 51.8076	176 17.3547	10.1	166.4	4490	4464	9724.4	63787	33.773	01.243	363.3	
12/27/06	361	19:15	-62 54.2212	176 18.6557	10.0	166.8	4367	4389	9723.9	63709	33.811	01.188	367.1	
12/27/06	361	19:30	-62 56.6650	176 19.9695	10.0	165.5	4125	4156	9727.1	63943	33.841	01.029	372.6	
12/27/06	361	19:45	-62 59.0916	176 21.3007	10.0	166.1	4221	4246	9728.3	64020	33.829	01.102	373.6	
12/27/06	361	20:00	-63 01.5793	176 22.6099	10.1	168.7	4156	4119	9737.2	64009	33.811	01.062	375.1	
12/27/06	361	20:15	-63 04.0459	176 23.5831	10.0	170.3	3475	3693	9754.9	63924	33.867	01.118	374.0	
12/27/06	361	20:30	-63 06.5218	176 24.6002	10.2	168.0	3914	3952	9762.7	63859	33.849	01.168	376.6	
12/27/06	361	20:45	-63 09.0282	176 25.6906	10.3	167.9	3866	3835	9761.8	63876	33.870	01.255	376.6	
12/27/06	361	21:00	-63 11.5535	176 26.8002	10.4	170.0	3602	3625	9762.3	63830	33.873	01.679	379.9	
12/27/06	361	21:15	-63 14.1229	176 27.8000	10.4	169.2	3716	4007	9756.7	63859	33.895	01.838	371.3	
12/27/06	361	21:30	-63 16.6596	176 28.9389	10.3	168.2	4396	4366	9745.2	63933	33.885	01.867	365.6	
12/27/06	361	21:45	-63 19.2098	176 30.0504	10.3	170.3	3874	4921	9746.8	63934	33.891	01.891	362.3	
12/27/06	361	22:00	-63 24.7763	176 31.0309	10.6	170.4	4029	4242	9753.5	63912	33.891	01.941	364.1	
12/27/06	361	22:15	-63 24.3116	176 32.1121	10.2	168.9	3638	3516	9763.7	63874	33.885	01.967	364.1	
12/27/06	361	22:30	-63 26.8293	176 33.2657	10.3	169.1	3605	3584	9776.5	63825	33.924	01.615	364.6	
12/27/06	361	22:45	-63 29.3383	176 34.3057	10.4	170.9	3391	3389	9789.3	63783	33.887	01.357	381.0	
12/27/06	361	23:00	-63 31.8695	176 35.2478	10.4	171.0	3252	3328	9794.8	63856	33.875	01.575	380.6	Michelle off, Franziska on
12/27/06	361	23:15	-63 34.3920	176 36.2082	10.4	170.5	3880	3954	9783.6	64031	33.893	00.703	369.5	
12/27/06	361	23:30	-63 36.9335	176 37.2446	10.2	170.8	4069	4063	9764.8	64101	33.844	00.170	365.9	
12/27/06	361	23:45	-63 39.4336	176 38.1674	10.3	170.3	4095	4086	9754.7	64048	33.821	00.087	374.4	
12/28/06	362	00:00	-63 41.9209	176 39.0417	10.2	170.2	4053	3967	9756.1	63967	33.778	00.572	374.4	
12/28/06	362	00:15	-63 44.3877	176 40.1376	10.3	166.9	3613	3668	9766.5	64060	33.783	00.471	370.2	
12/28/06	362	00:30	-63 46.8707	176 41.2766	10.2	169.6	3358	3546	9781.9	64087	33.789	00.286	369.4	
12/28/06	362	00:45	-63 49.3300	176 42.3889	10.1	168.7	3025	2957	9800.5	63938	33.782	00.232	371.0	
12/28/06	362	01:00	-63 51.8257	176 43.4940	10.0	168.5	3092	2945	9814.4	63872	33.783	00.218	371.5	

12/28/06	362	01:15	-63 54.2802	176 44.5770	09.8	169.6	3323	3360	9814.8	63870	33.786	00.123	370.9	
12/28/06	362	01:30	-63 56.7476	176 45.6409	10.1	169.9	3086	3041	9819.9	63832	33.782	00.073	371.6	
12/28/06	362	01:45	-63 59.2506	176 46.6400	10.3	170.3	3153	2970	9829.7	63790	33.791	00.167	371.6	
12/28/06	362	02:00	-64 01.4983	176 49.2975	10.3	146.2	2156	2280	9831.6	63799	33.795	00.057	378.4	Sian off, Lisa on
12/28/06	362	02:15	-64 03.5669	176 52.6410	10.3	146.3	2711	2747	9834.1	63892	33.797	00.063	379.1	
12/28/06	362	02:30	-64 05.5971	176 56.1548	10.4	143.2	3005	2893	9831.6	63965	33.788	00.130	376.8	
12/28/06	362	02:45	-64 07.5893	176 59.6457	10.1	142.6	2845	2759	9837.5	63814	33.794	00.037	379.8	
12/28/06	362	03:00	-64 09.5984	177 03.2410	10.2	141.4	2759	2729	9846.7	63883	33.791	00.060	380.8	
12/28/06	362	03:15	-64 11.5846	177 06.7108	10.4	143.6	2409	2344	9863.3	64057	33.797	00.047	380.8	
12/28/06	362	03:30	-64 13.6629	177 10.1120	10.2	144.6	2241	2220	9877.8	63870	33.801	-00.024	380.7	
12/28/06	362	03:45	-64 15.7251	177 13.4564	10.3	144.2	2343	2272	9874.3	63924	33.775	-00.042	381.0	
12/28/06	362	04:00	-64 17.8120	177 16.8420	10.3	145.5	2220	2177	9877.0	63990	33.778	-00.038	381.1	
12/28/06	362	04:15	-64 19.8953	177 20.3101	10.2	144.9	1830	1779	9891.0	63955	33.774	-00.073	381.5	
12/28/06	362	04:30	-64 21.9713	177 23.8403	10.4	143.4	2290	3070	9887.0	63906	33.782	-00.112	381.4	
12/28/06	362	04:45	-64 24.0353	177 27.3468	10.6	143.5	2013	1948	9893.5	64079	33.791	-00.180	381.5	
12/28/06	362	05:00	-64 26.1452	177 30.9066	10.4	144.7	1880	1631	9912.8	63917	33.780	-00.100	381.5	Franziska off, Marcel on
12/28/06	362	05:15	-64 28.2651	177 34.5502	10.6	144.5	1482	1423	9926.3	63669	33.799	-00.055	381.5	
12/28/06	362	05:30	-64 30.2838	177 38.0136	10.3	139.9	1944	1956	9919.3	64618	33.820	-00.157	381.9	
12/28/06	362	05:45	-64 32.2458	177 41.8430	10.2	140.4	1868	1793	9906.3	63860	33.802	-00.102	381.8	
12/28/06	362	06:00	-64 34.2082	177 45.6354	10.1	140.1	2263	2228	9898.7	64006	33.779	-00.136	380.0	
12/28/06	362	06:15	-64 36.1285	177 49.5804	10.2	138.9	2010	2009	9903.1	64291	33.732	-00.071	373.4	
12/28/06	362	06:30	-64 38.0539	177 53.4000	10.2	139.5	2078	1946	9921.3	64016	33.744	-00.079	373.4	
12/28/06	362	06:45	-64 39.9728	177 57.3129	10.1	138.9	1911	1819	9921.9	63379	33.785	-00.100	377.4	
12/28/06	362	07:00	-64 41.9330	178 01.1499	10.3	140.1	1729	1826	9923.1	63430	33.784	-00.104	378.8	
12/28/06	362	07:15	-64 43.8885	178 04.9860	10.2	139.6	2090	2040	9920.7	63676	33.787	-00.113	378.8	
12/28/06	362	07:30	-64 45.8427	178 08.8779	10.5	140.3	2270	2186	9921.6	63922	33.779	-00.100	378.4	
12/28/06	362	07:45	-64 47.8674	178 12.9889	10.4	138.7	2064	1983	9926.7	63535	33.810	-00.161	379.4	
12/28/06	362	08:00	-64 49.7333	178 16.8814	10.6	137.8	1787	1898	9939.7	63505	33.809	-00.155	381.6	Lisa off, Rose on
12/28/06	362	08:15	-64 51.7538	178 20.8850	10.5	137.8	1940	1737	9943.4	63661	33.815	-00.226	381.6	
12/28/06	362	08:30	-64 53.7799	178 24.8640	10.6	141.1	2105	2141	9934.4	64002	33.844	-00.230	381.6	
12/28/06	362	08:45	-64 55.8453	178 28.7714	10.6	140.9	2383	2400	9916.2	63711	33.848	-00.252	380.7	
12/28/06	362	09:00	-64 57.8989	178 32.6944	10.6	141.0	2634	2584	9907.5	64052	33.856	00.000	382.7	
12/28/06	362	09:15	-64 59.9561	178 36.5845	10.6	141.5	2468	2362	9908.5	64066	33.854	-00.240	383.4	
12/28/06	362	09:30	-65 02.0128	178 40.6256	10.8	138.3	2259	2222	9913.8	63938	33.854	-00.296	382.6	
12/28/06	362	09:45	-65 03.0085	178 44.8764	10.7	137.5	2289	2307	9912.2	64103	33.864	-00.342	382.3	
12/28/06	362	10:00	-65 05.9622	178 48.9752	10.6	138.7	2311	2322	9915.4	64016	33.839	-00.295	382.3	
12/28/06	362	10:15	-65 07.9381	178 53.1573	10.4	139.0	2595	2573	9911.0	64077	33.859	-00.311	382.9	
12/28/06	362	10:30	-65 09.9023	178 57.3230	10.6	137.6	2699	3834	9905.5	63890	33.849	-00.294	381.6	
12/28/06	362	10:45	-65 11.8648	179 01.4447	10.5	138.7	2545	2644	9914.6	63965	33.836	-00.273	382.4	
12/28/06	362	11:00	-65 13.8606	179 05.4099	10.3	138.7	2696	2525	9920.0	63337	33.843	-00.294	382.6	Marcel off, Roi on
12/28/06	362	11:15	-65 15.8212	179 09.4794	10.4	138.7	2533	2499	9929.5	63846	33.852	-00.354	382.1	
12/28/06	362	11:30	-65 17.7933	179 13.5671	10.3	138.6	2215	3682	9942.2	63500	33.896	-00.187	382.1	
12/28/06	362	11:45	-65 19.7534	179 17.5351	10.4	139.2	2345	2230	9951.6	63512	33.891	-00.374	383.4	
12/28/06	362	12:00	-65 21.7058	179 21.4966	10.1	140.0	2524	3543	9948.0	63460	33.933	-00.440	384.0	
12/28/06	362	12:15	-65 23.7273	179 25.4489	10.6	140.9	2527	2575	9945.3	64058	33.878	-00.440	382.2	
12/28/06	362	12:30	-65 25.6984	179 29.5963	10.5	137.9	2749	2712	9942.4	63337	33.919	-00.469	382.3	
12/28/06	362	12:45	-65 27.6036	179 33.8223	10.3	136.6	2186	2546	9949.9	63491	33.878	-00.454	382.0	
12/28/06	362	13:00	-65 29.5248	179 38.0722	10.2	137.7	2688	2600	9956.1	63472	33.918	-00.435	382.2	
12/28/06	362	13:15	-65 31.4626	179 42.2049	10.3	138.1	2572	3172	9959.9	63598	33.902	-00.457	382.2	
12/28/06	362	13:30	-65 33.4245	179 46.4530	10.4	137.5	2453	2405	9961.7	63962	33.920	-00.460	382.3	
12/28/06	362	13:45	-65 35.4218	179 50.6863	10.6	139.7	2546	3247	9959.9	63824	33.911	-00.464	381.8	
12/28/06	362	14:00	-65 37.3567	179 54.6844	10.6	141.5	2532	2468	9960.6	63699	33.859	-00.461	382.9	rose off Danny on
12/28/06	362	14:15	-65 39.4414	179 59.0570	10.1	159.9	2408	2343	9956.6	63919	33.864	-00.493	378.8	
12/28/06	362	14:30	-65 41.6148	179 57.4869	10.3	205.4	2962	2910	9987.5	64156	33.885	-00.643	381.5	
12/28/06	362	14:45	-65 43.8300	179 54.3512	10.2	210.2	2259	3108	9984.9	63987	33.902	-00.483	381.0	
12/28/06	362	15:00	-65 46.0304	179 51.1807	10.5	211.3	2946	2981	9992.9	63722	33.921	-00.399	381.0	
12/28/06	362	15:15	-65 48.2520	179 47.9581	10.4	212.1	3028	2931	10000.0	63821	33.862	-00.520	381.6	
12/28/06	362	15:30	-65 50.4872	179 44.6732	10.4	212.3	3171	3382	9980.6	63804	33.821	-00.456	377.2	
12/28/06	362	15:45	-65 52.6300	179 41.3727	10.2	212.3	4285	4044	9946.3	63797	33.816	-00.488	377.1	
12/28/06	362	16:00	-65 54.7714	179 37.9559	10.5	213.7	4035	4144	9925.3	63808	33.852	-00.344	376.9	
12/28/06	362	16:15	-65 56.9312	179 34.4907	10.4	312.2	4335	4002	9917.3	63838	33.838	-00.300	376.6	

12/28/06	362	16:30	-65 59.1573	179 31.2689	10.2	209.3	4106	4079	9924.5	63870	33.844	-00.268	376.7	
12/28/06	362	16:45	-66 01.4690	179 27.8247	10.5	211.8	3415	3389	9939.8	63908	33.902	-00.442	377.7	
12/28/06	362	17:00	-66 03.6241	179 24.5979	10.6	211.9	4040	4041	9938.3	63885	33.918	-00.419	379.3	Roi off, Michelle on
12/28/06	362	17:15	-66 05.9248	179 21.2393	10.6	211.0	4134	4110	9930.7	63848	33.909	-00.382	379.4	
12/28/06	362	17:30	-66 08.1372	179 17.8592	10.4	210.4	4187	4161	9939.7	63851	33.738	-00.346	376.8	
12/28/06	362	17:45	-66 10.3349	179 14.5120	10.3	212.1	3859	3694	9967.2	63877	33.760	-00.367	373.0	
12/28/06	362	18:00	-66 12.5606	179 11.2518	07.5	210.8	3376	3343	9995.9	63935	33.736	-00.385	374.7	
12/28/06	362	18:02	-66 12.8091	179 10.8921										XBT in the water
12/28/06	362	18:15	-66 14.2287	179 08.8138	10.3	210.8	3331	3294	10004.0	63974	33.818	-00.480	374.7	
12/28/06	362	18:30	-66 16.4433	179 05.4730	10.4	212.6	3292	3322	10010.0	63831	33.847	-00.412	376.0	
12/28/06	362	18:45	-66 18.6607	179 02.0663	10.4	210.5	3463	3446	10013.0	63708	33.785	-00.757	377.2	
12/28/06	362	18:54	-66 20.2812	179 01.1737		126.4								course change
12/28/06	362	19:00	-66 20.6529	179 02.4509	10.6	125.2	3597	3544	9986.7	63707	33.702	-01.057	370.7	
12/28/06	362	19:15	-66 22.1498	179 07.8726	10.7	123.1	3141	3200	9988.0	63927	33.696	-01.027	369.3	
12/28/06	362	19:30	-66 23.6211	179 13.3813	10.7	123.7	3341	3308	9992.4	64041	33.692	-01.054	368.5	
12/28/06	362	19:45	-66 25.1111	179 18.8937	10.6	129.9	3389	3338	9989.9	63988	33.708	-01.096	368.1	
12/28/06	362	19:48	-66 25.4549	179 20.2286		112.2								course change to avoid iceberg
12/28/06	362	20:00	-66 26.3416	179 24.8099	10.9	125.3	3174	3133	9992.5	63958	33.709	-01.209	368.1	Dan off, Sian on
12/28/06	362	20:15	-66 28.0573	179 29.9203	10.6	127.5	3107	3065	9999.1	63870	33.746	-01.070	370.1	
12/28/06	362	20:30	-66 29.5373	179 35.3769	10.7	123.5	3236	3191	9996.8	63901	33.705	-01.060	368.9	
12/28/06	362	20:45	-66 31.0094	179 40.9048	10.6	125.2	3346	3254	9994.4	63725	33.677	-01.059	368.4	
12/28/06	362	21:00	-66 32.5122	179 46.3120	10.6	123.0	3371	3320	9992.6	63633	33.680	-01.074	368.8	
12/28/06	362	21:15	-66 33.9784	179 51.8079	10.5	125.7	3392	3349	9990.3	63770	33.689	-01.161	368.2	
12/28/06	362	21:30	-66 35.4813	179 57.2681	10.6	122.5	3311	3270	9986.7	63832	33.684	-01.165	368.2	
12/28/06	362	21:45	-66 36.8852	-179 57.1161	10.6	121.1	3437	3394	9981.3	63954	33.682	-01.311	366.3	
12/28/06	362	22:00	-66 38.3098	-179 51.6439	10.5	124.2	3515	3423	9979.0	63937	33.674	-01.168	366.7	
12/28/06	362	22:15	-66 39.7971	-179 46.0355	10.8	123.3	3618	3552	9976.4	63918	33.610	-01.212	367.7	
12/28/06	362	22:30	-66 41.1790	-179 40.2832	10.7	102.2	3447	3472	9975.8	63826	33.853	-01.537	368.8	course change, approaching pack ice
12/28/06	362	22:45	-66 41.4587	-179 33.5760	10.6	095.5	3614	3556	9971.8	63987	33.873	-01.581	372.8	
12/28/06	362	23:00	-66 41.7270	-179 27.0547	10.4	096.3	3661	3611	9973.5	63888	33.861	-01.561	369.9	Michelle off, Franziska on
12/28/06	362	23:15	-66 42.3289	-179 20.6378	10.4	105.1	3530	3488	9974.3	63657	33.876	-01.516	369.9	
12/28/06	362	23:30	-66 42.4759	-179 14.1339	10.6	087.6	3467	3432	9976.1	63646	33.913	-01.617	376.4	
12/28/06	362	23:45	-66 42.0776	-179 07.5906	10.8	059.0	3439	3403	9978.1	63633	33.899	-01.562	375.6	
12/29/06	363	00:00	-66 41.8222	-179 02.2202	09.8	139.7	3481	3436	9982.6	63645	34.002	-01.494	381.9	
12/29/06	363	00:15	-66 43.4308	-178 57.6132	10.0	114.9	3623	3581	9978.8	63707	33.999	-01.460	383.5	
12/29/06	363	00:30	-66 43.9586	-178 51.4719	10.3	095.7	3731	3693	9972.3	63717	33.976	-01.533	382.2	
12/29/06	363	00:45	-66 44.9222	-178 45.7855	10.1	135.6	3594	3546	9979.1	63795	33.980	-01.571	381.5	
12/29/06	363	01:00	-66 46.3966	-178 40.8582	10.1	109.1	3716	3673	9980.8	63849	33.956	-01.536	380.8	
12/29/06	363	01:15	-66 46.6965	-178 34.5122	10.4	086.3	3685	3643	9974.8	63884	33.940	-01.517	379.5	
12/29/06	363	01:30	-66 46.4644	-178 28.0609	10.5	064.9	3530	3486	9976.1	63664	33.917	-01.592	380.0	
12/29/06	363	01:45	-66 45.1680	-178 22.3837	10.5	051.9	3909	3815	9973.1	63624	33.879	-01.586	389.2	
12/29/06	363	02:00	-66 43.2980	-178 17.7008	10.8	031.0	3830	3787	9963.0	63699	33.873	-01.610	391.2	Sian off, Lisa on
12/29/06	363	02:15	-66 40.9717	-178 14.2429	10.6	032.9	4086	4051	9948.9	63694	33.866	-01.596	391.1	
12/29/06	363	02:30	-66 39.3205	-178 10.0690	04.2	043.9	4153	4108	9928.3	-	33.872	-01.564	391.1	maggie off
12/29/06	363	02:45	-66 39.1296	-178 08.5876	00.7	017.6	4184	4546	9942.8	-	33.870	-01.595	390.2	
12/29/06	363	03:00	-66 40.5070	-178 08.7085	06.2	202.6	4149	1406	9950.6	-	33.818	-01.738	388.4	
12/29/06	363	03:15	-66 41.9329	-178 10.5331	06.9	210.1	3983	3993	9967.9	-	33.829	-01.763	385.9	
12/29/06	363	03:30	-66 42.8865	-178 13.0975	03.9	239.9	3626	5062	9977.2	-	33.843	-01.767	386.1	
12/29/06	363	03:45	-66 43.8057	-178 14.6173	05.7	201.3	3877	4154	9976.1	-	33.859	-01.797	386.9	depths probably wrong due to ice
12/29/06	363	04:00	-66 45.2252	-178 15.6564	04.8	214.9	3883	3712	9989.1	-	33.829	-01.802	387.3	
12/29/06	363	04:15	-66 46.1023	-178 17.6889	05.1	183.0	1597	4397	9990.1	-	33.842	-01.795	387.3	
12/29/06	363	04:30	-66 46.8786	-178 20.0492	07.2	234.9	3754	4289	10011.0	-	33.835	-01.781	387.7	
12/29/06	363	04:45	-66 47.8624	-178 22.6941	05.4	208.3	3622	3971	10012.0	-	33.826	-01.799	387.1	
12/29/06	363	05:00	-66 49.3359	-178 23.8788	06.0	186.7	4263	3492	10004.0	-	33.798	-01.785	385.7	Franziska off, Marcel on
12/29/06	363	05:15	-66 50.6497	-178 25.1724	05.2	212.4	3582	3974	10014.0	-	33.736	-01.782	384.4	
12/29/06	363	05:30	-66 51.7740	-178 27.4805	06.3	213.1	3476	5071	10018.0	-	33.736	-01.773	382.1	
12/29/06	363	05:45	-66 53.0086	-178 29.6475	06.6	213.4	3627	4016	10018.0	-	33.695	-01.763	382.4	
12/29/06	363	06:00	-66 54.3823	-178 32.5479	07.8	213.7	3246	4007	10023.0	-	33.681	-01.761	378.7	
12/29/06	363	06:15	-66 55.5299	-178 34.8798	06.6	213.4	3707	3677	10024.0	-	33.676	-01.763	378.7	
12/29/06	363	06:30	-66 56.8376	-178 36.9818	07.0	211.1	3738	3861	10022.0	-	33.697	-01.729	380.4	
12/29/06	363	06:45	-66 58.3580	-178 38.4521	05.9	194.4	4182	4605	10017.0	-	33.697	-01.749	378.8	

12/29/06	363	07:00	-66 59.5986	-178 40.5853	06.0	210.0	3903	4272	10021.0	-	33.696	-01.744	378.7	
12/29/06	363	07:15	-67 01.1385	-178 42.3642	05.1	212.9	3744	3772	10021.0	-	33.696	-01.700	378.3	
12/29/06	363	07:30	-67 02.2733	-178 44.1000	05.8	191.2	3733	3695	10023.0	-	33.715	-01.723	378.3	
12/29/06	363	07:45	-67 03.4884	-178 45.6308	05.5	213.3	2869	3681	10023.0	-	33.705	-01.746	376.9	
12/29/06	363	08:00	-67 04.7099	-178 47.5552	06.2	211.1	3700	4481	10023.0	-	33.728	-01.741	375.7	
12/29/06	363	08:15	-67 05.9624	-178 49.3854	05.7	209.0	3712	3666	10026.0	-	33.751	-01.713	377.5	
12/29/06	363	08:30	-67 07.1617	-178 51.1185	06.2	206.6	3749	3594	10026.0	-	33.759	-01.762	379.7	
12/29/06	363	08:45	-67 08.4068	-178 53.0539	05.7	205.4	3817	3934	10029.0	-	33.759	-01.760	379.6	
12/29/06	363	09:00	-67 09.6117	-178 55.0461	05.5	216.1	3809	3746	10033.0	-	33.731	-01.761	379.2	
12/29/06	363	09:15	-67 10.9149	-178 56.5604	05.8	206.9	1596	3727	10031.0		33.736	-01.771	379.2	
12/29/06	363	09:30	-67 12.1742	-178 58.0399	05.9	194.4	4434	3714	10034.0		33.734	-01.760	378.4	
12/29/06	363	09:45	-67 13.4921	-178 59.6622	05.5	206.9	3683	5422	10038.0		33.755	-01.758	379.6	
12/29/06	363	10:00	-67 14.7913	-179 01.0602	06.4	206.9	2534	5208	10040.0		33.757	-01.780	378.0	
12/29/06	363	10:15	-67 16.1458	-179 02.4600	06.1	205.1	1306	4577	10043.0		33.770	-01.766	379.5	
12/29/06	363	10:30	-67 17.5122	-179 03.6951	05.8	183.5	3724	3681	10046.0		33.781	-01.765	379.7	
12/29/06	363	10:45	-67 18.9487	-179 03.9807	06.1	192.0	3733	3681	10044.0		33.776	-01.774	379.7	
12/29/06	363	11:00	-67 20.1755	-179 05.8282	05.4	217.7	3724	3681	10055.0		33.784	-01.735	380.4	Marcel off, Roi on
12/29/06	363	11:15	-67 21.2489	-179 07.9871	05.7	216.6	4186	4546	10057.0		33.791	-01.747	382.5	
12/29/06	363	11:30	-67 23.8490	-179 12.4640	06.7	215.1	3033	4185	10060.0		33.798	-01.771	383.0	
12/29/06	363	11:45	-67 25.0740	-179 14.6503	05.6	212.5	1586	4108	10059.0		33.787	-01.773	384.0	
12/29/06	363	12:00	-67 26.3667	-179 16.6040	06.3	210.0	3656	3937	10057.0		33.807	-01.776	382.1	
12/29/06	363	12:15	-67 27.6608	-179 18.5550	05.6	213.7	3667	3621	10056.0		33.818	-01.770	382.1	
12/29/06	363	12:30	-67 28.9270	-179 20.5051	05.3	216.0	4286	3609	10056.0		33.815	-01.770	384.2	
12/29/06	363	12:45	-67 30.2843	-179 22.5531	05.4	210.3	4827	4717	10056.0		33.832	-01.531	384.2	
12/29/06	363	13:00	-67 31.5967	-179 24.4959	06.1	212.6	4838	4756	10056.0		33.828	-01.776	385.8	
12/29/06	363	13:15	-06 73.2000	-017 92.7000	05.2	021.0	3600	4200	10060.0		33.870	-01.760	385.3	
12/29/06	363	13:30	-67 33.0020	-179 26.6537	04.6	209.1	4225	4362	10065.0		33.845	-01.521	386.5	
12/29/06	363	13:45	-67 34.2755	-179 28.5873	06.1	208.1	3466	lost	10072.0		33.768	-01.759	386.1	
12/29/06	363	14:00	-67 35.5865	-179 30.6619	07.2	212.5	4314		10080.0		33.803	-01.764	384.4	
12/29/06	363	14:15	-67 36.9777	-179 32.9599	06.3	213.3	3340		10091.0		33.717	-01.752	383.6	
12/29/06	363	14:30	-67 38.4531	-179 35.2405	06.8	211.0	4053		10105.0		33.785	-01.761	383.9	
12/29/06	363	14:45	-67 39.6487	-179 36.8884	06.2	209.1	2166		10117.0		33.741	-01.767	383.3	
12/29/06	363	15:00	-67 41.0056	-179 38.7772	06.6	209.2	1254		10135.0		33.768	-01.758	379.0	Rose off, Danny on
12/29/06	363	15:15	-67 42.4438	-179 40.7684	06.3	209.1	1353		10152.0		33.764	-01.762	381.2	
12/29/06	363	15:30	-67 43.6894	-179 42.5610	05.1	209.6	1179		10164.0		33.798	-01.765	383.6	
12/29/06	363	15:45	-67 44.8512	179 44.4010	05.7	212.3	1352		10166.0		33.767	-01.742	383.6	
12/29/06	363	16:00	-67 46.0405	-179 46.1270	04.1	208.5	1439	1790	10166.0		33.734	-01.770	375.3	
12/29/06	363	16:15	-67 47.2755	-179 48.0908	05.5	210.8	1886	2148	10169.0		33.778	-01.748	384.1	
12/29/06	363	16:30	-67 48.6145	-179 49.6390	06.1	202.0	983	940	10180.0		33.820	-01.748	384.9	
12/29/06	363	16:45	-67 50.0235	-179 50.7220	06.0	196.4	540	525	10199.0		33.826	-01.750	390.0	
12/29/06	363	17:00	-67 51.5387	-179 50.3174	05.8	201.0	519	506	10206.0		33.841	-01.765	391.1	Michelle on, Roi off
12/29/06	363	17:15	-67 52.6401	-179 52.2940	06.1	246.8	526	1029	10217.0		33.811	-01.714	391.2	
12/29/06	363	17:30	-67 53.6481	-179 54.9582	06.0	207.0	565	548	10215.0		33.788	-01.699	391.2	
12/29/06	363	17:45	-67 54.9733	-179 56.8414	05.9	210.3	1057	580	10223.0		33.811	-01.735	390.0	
12/29/06	363	18:00	-67 56.2001	-179 59.3600	03.9	214.9	848	746	10231.0		33.798	-01.755	385.9	
12/29/06	363	18:15	-67 57.3637	179 58.3475	06.4	214.8	477	923	10230.0		33.707	-01.732	376.5	
12/29/06	363	18:30	-67 58.6382	179 55.9296	07.0	215.2	492	479	10227.0		33.842	-01.747	390.1	
12/29/06	363	18:45	-68 00.1241	179 53.6957	06.8	205.7	517	504	10221.0		33.842	-01.745	391.8	
12/29/06	363	19:00	-68 01.6543	179 51.6440	08.1	202.1	792	753	10203.0		33.841	-01.746	391.9	
12/29/06	363	19:15	-68 03.7573	179 49.5740	09.5	201.6	1927	2069	10166.0		33.813	-01.701	390.2	
12/29/06	363	19:30	-68 05.5174	179 49.0768	06.1	160.7	2001	2389	10125.0		33.827	-01.622	391.3	Bathy2000 depth set at 2000 ft, changed to 3000 ft at 19:34
12/29/06	363	19:45	-68 06.9974	179 48.4909	06.3	199.5	2633	2578	10122.0		33.827	-01.607	392.3	
12/29/06	363	20:00	-68 08.5762	179 47.2705	07.1	192.6	2857	2839	10111.0		33.802	-01.609	392.4	Dan off
12/29/06	363	20:15	-68 09.8044	179 45.1392	05.0	214.2	2961	3056	10107.0		33.733	-01.708	392.5	Sian on
12/29/06	363	20:30	-68 10.6801	179 42.3706	06.4	243.5	3018	2970	10105.0		33.851	-01.730	387.8	
12/29/06	363	20:45	-68 11.5553	179 39.8859	05.4	236.5	3041	3134	10097.0		33.820	-01.766	387.8	
12/29/06	363	21:00	-68 12.7570	179 38.1821	06.1	202.1	3062	3014	10094.0		33.741	-01.782	386.3	
12/29/06	363	21:15	-68 14.0057	179 36.7639	05.3	207.2	3054	3002	10095.0		33.806	-01.777	386.4	
12/29/06	363	21:30	-68 15.4056	179 35.0830	07.5	202.9	3067	3018	10099.0		33.835	-01.722	389.2	
12/29/06	363	21:45	-68 16.6209	179 33.6030	06.1	210.1	3008	2957	10101.0		33.829	-01.797	389.4	
12/29/06	363	22:00	-68 17.9173	179 32.2238	03.8	196.2	3006	3266	10101.0		33.846	-01.721	387.0	

12/29/06	363	22:15	-68 19.0947	179 30.9375	06.0	221.3	3047	3867	10106.0		33.827	-01.770	389.5		
12/29/06	363	22:30	-68 20.3815	179 29.3024	05.9	205.6	3052	3003	10118.0		33.853	-01.740	389.5		
12/29/06	363	22:45	-68 21.6289	179 27.0602	06.6	204.8	2402	2324	10135.0		33.820	-01.740	387.9		Michelle off
12/29/06	363	23:00	-68 23.4238	179 26.1978	08.7	183.5	2088	2070	10141.0		33.838	-01.709	388.2		Franziska on
12/29/06	363	23:15	-68 24.6918	179 23.1940	07.2	217.8	1513	1534	10166.0		33.889	-01.769	389.7		
12/29/06	363	23:30	-68 26.0280	179 20.6232	04.4	218.9	1071	3259	10157.0		33.870	-01.731	389.0		
12/29/06	363	23:45	-68 26.8963	179 19.3790	00.8	121.1	2789	2774	10134.0		33.882	-01.758	388.7		
12/30/06	364	00:00	-68 28.0756	179 17.7274	05.6	211.4	3216	3375	10129.0		33.861	-01.787	388.7		
12/30/06	364	00:15	-68 29.5212	179 14.5496	08.6	214.8	2921	3345	10128.0		33.845	-01.480	390.2		MBC correct depth
12/30/06	364	00:30	-68 30.9476	179 12.5729	07.6	191.2	3103	3394	10118.0		33.808	-01.804	386.9		
12/30/06	364	00:45	-68 32.5108	179 11.0907	08.4	203.3	2992	3828	10115.0		33.785	-01.789	385.8		bathy more correct
12/30/06	364	01:00	-68 34.4247	179 07.3013	06.9	218.8	3677	3990	10128.0		33.841	-01.670	390.8		bathy correct
12/30/06	364	01:15	-68 36.2659	179 03.3755	10.4	217.5	3681	3642	10125.0		33.838	-01.639	392.0		
12/30/06	364	01:30	-68 38.0937	178 59.8160	09.9	249.4	3693	3649	10124.0		33.846	-01.606	393.5		
12/30/06	364	01:45	-68 39.6483	178 56.1035	08.4	186.7	3702	3651	10119.0		33.852	-01.626	393.5		
12/30/06	364	02:00	-68 41.6666	178 53.3487	07.8	214.7	3586	3628	10128.0		33.859	-01.721	393.8		
12/30/06	364	02:15	-68 43.1506	178 50.6799	07.7	214.3	2527	2658	10132.0		33.738	-01.763	372.4		
12/30/06	364	02:30	-68 44.6640	178 47.8967	08.2	214.3	3890	4757	10129.0		33.829	-01.761	382.0		bathy more correct
12/30/06	364	02:45	-68 46.2048	178 45.2206	07.3	209.6	1738	4226	10146.0		33.732	-01.763	384.3		both depths not correct
12/30/06	364	03:00	-68 47.7205	178 42.7277	03.8	209.8	1464	4484	10149.0		33.861	-01.760	387.9		both depths not correct
12/30/06	364	03:15	-68 49.0749	178 40.4114	05.6	219.0	3504	3455	10149.0		33.850	-01.731	388.0		
12/30/06	364	03:30	-68 50.5330	178 38.6389	06.1	206.6	3542	3509	10147.0		33.893	-01.701	388.0		
12/30/06	364	03:45	-68 51.8903	178 36.7374	06.5	207.2	2687	3655	10151.0		33.909	-01.804	394.5		bathy incorrect
12/30/06	364	04:00	-68 53.0105	178 35.3430	04.0	203.4	3794	3885	10149.0		33.889	-01.826	385.8		
12/30/06	364	04:15	-68 54.4020	178 35.0054	05.5	242.7	3562	3506	10148.0		33.789	-01.778	386.6		
12/30/06	364	04:30	-68 55.4544	178 32.7777	05.0	235.5	3543	4097	10158.0		33.899	-01.787	388.7		MBC incorrect
12/30/06	364	04:45	-68 56.4404	178 30.1913	05.9	202.5	3493	3513	10164.0		33.905	-01.813	389.5		
12/30/06	364	05:00	-68 57.8453	178 28.1296	06.4	209.6	3169	3515	10158.0		33.882	-01.811	389.5		bathy incorrect, Franziska off Marcel on
12/30/06	364	05:15	-68 59.3029	178 26.4450	06.3	190.1	3612	3532	10161.0		33.913	-01.799	389.5		
12/30/06	364	05:30	-69 00.9915	178 24.6936	08.3	199.5	3581	3995	10162.0		33.907	-01.791	392.0		
12/30/06	364	05:45	-69 02.3721	178 22.6950	06.7	231.0	3605	4450	10169.0		33.840	-01.768	384.8		
12/30/06	364	06:00	-69 03.8766	178 18.6868	09.0	208.0	3604	3557	10168.0		33.935	-01.707	390.1		
12/30/06	364	06:15	-69 05.9651	178 14.3912	09.3	185.1	3523	3400	10171.0		33.944	-01.621	392.4		
12/30/06	364	06:30	-69 08.1198	178 14.3912	09.4	213.6	3529	3479	10171.0		33.944	-01.621	392.4		
12/30/06	364	06:45	-69 09.8822	178 11.3956	06.1	188.7	3527	3480	10167.0		33.909	-01.640	392.4		
12/30/06	364	07:00	-69 11.4944	178 10.9039	07.0	179.1	3545	3495	10158.0		33.874	-01.647	389.4		
12/30/06	364	07:15	-69 12.9240	178 12.3083	06.7	176.2	3495	3445	10160.0		33.793	-01.620	384.3		
12/30/06	364	07:30	-69 14.7991	178 11.5878	08.7	210.8	3509	3462	10163.0		33.837	-01.588	386.6		
12/30/06	364	07:45	-69 16.6068	178 09.3222	03.6	202.8	3637	4011	10173.0		33.834	-01.682	386.9		
12/30/06	364	08:00	-69 17.9851	178 07.8461	08.2	182.7	3562	3512	10174.0		33.794	-01.705	373.9		Lisa off, Rose on
12/30/06	364	08:15	-69 19.7031	178 05.9692	05.8	227.0	3538	3483	10181.0		33.769	-01.497	377.5		
12/30/06	364	08:30	-69 20.8828	178 02.8362	06.5	213.3	2716	3481	10185.0		33.772	-01.688	384.2		
12/30/06	364	08:45	-69 22.3993	178 00.0412	08.5	207.7	3557	3489	10190.0		33.791	-01.562	383.1		
12/30/06	364	09:00	-69 24.1205	177 57.0758	08.6	197.0	3555	3506	10187.0		33.798	-01.448	385.4		
12/30/06	364	09:15	-69 26.3571	177 55.4031	09.9	215.4	3562	3509	10183.0		33.763	-01.620	387.1		
12/30/06	364	09:30	-69 27.8897	177 51.3245	06.3	210.2	3550	3501	10197.0		33.853	-01.620	389.0		
12/30/06	364	09:45	-69 29.2255	177 48.8544	06.5	222.0	3501	3457	10190.0		33.605	-01.396	383.6		
12/30/06	364	10:00	-69 30.6510	177 46.0995	08.4	215.4	3505	3978	10191.0		33.736	-01.720	383.6		
12/30/06	364	10:15	-69 32.0700	177 43.6301	06.4	213.5	3505	4995	10191.0		33.723	-01.692	384.1		
12/30/06	364	10:30	-69 33.3636	177 41.2262	04.8	220.9	3467	4873	10192.0		33.721	-01.646	382.5		
12/30/06	364	10:45	-69 34.6133	177 38.5162	06.4	212.0	3448	3398	10195.0		33.671	-01.629	380.0		
12/30/06	364	11:00	-69 35.9848	177 38.2022	06.3	199.6	3450	3402	10180.0		33.691	-01.301	381.9		Marcel off, Roi on
12/30/06	364	11:15	-69 37.8584	177 34.8102	06.2	213.7	3449	3404	10196.0		33.647	-01.632	380.5		
12/30/06	364	11:30	-69 38.8261	177 33.1229	06.3	223.8	3628	3400	10195.0		33.678	-01.341	379.8		
12/30/06	364	11:45	-69 40.1679	177 29.6201	07.7	218.3	3206	3438	10195.0		33.589	-01.735	379.8		
12/30/06	364	12:00	-69 41.6734	177 26.9055	08.2	211.0	3100	3236	10195.0		33.474	-01.743	379.5		
12/30/06	364	12:15	-69 43.2610	177 24.2825	06.4	210.4	3614	3621	10194.0		33.730	-01.604	377.9		
12/30/06	364	12:30	-69 44.8856	177 21.7310	07.8	214.2	3550	3731	10195.0		33.730	-01.687	382.1		
12/30/06	364	12:45	-69 46.6978	177 18.5522	06.8	211.4	3549	3889	10200.0		33.734	-01.583	382.6		
12/30/06	364	13:00	-69 48.1302	177 15.9311	07.1	214.2	3537	4901	10201.0		33.713	-01.620	382.6		
12/30/06	364	13:15	-69 49.6976	177 12.9300	08.3	213.5	3513	4550	10206.0		33.645	-01.656	383.2		



12/30/06	364	13:30	-69 51.3158	177 09.7998	08.0	214.1	3510	3449	10209.0		33.735	-01.707	383.5	
12/30/06	364	13:45	-69 52.8575	177 06.8829	08.1	213.0	3496	3436	10212.0		33.748	-01.621	378.1	
12/30/06	364	14:00	-69 54.6423	177 03.5614	07.2	210.8	3482	3430	10216.0		33.791	-01.125	388.3	
12/30/06	364	14:15	-69 56.1909	177 00.8725	07.6	210.0	3472		10213.0		33.642	-01.596	376.5	computer crashed, lost Mbdepth data
12/30/06	364	14:30	-69 57.8169	176 58.1964	06.7	210.5	3456	3637	10212.0		33.666	-01.649	382.0	
12/30/06	364	14:45	-69 59.3875	176 55.3912	06.8	209.3	3449	3398	10215.0		33.690	-01.419	381.1	
12/30/06	364	15:00	-70 00.8656	176 52.7261	07.9	210.0	3466	4455	10212.0		33.562	-01.692	381.1	
12/30/06	364	15:15	-70 02.2078	176 50.3292	06.4	211.4	3002	3353	10212.0		33.717	-01.559	379.2	
12/30/06	364	15:30	-70 03.6644	176 47.8226	06.9	210.2	3438	3382	10214.0		33.767	-01.571	384.3	
12/30/06	364	15:45	-70 05.0555	176 45.4468	06.3	208.4	3441	3379	10215.0		33.741	-01.625	385.4	
12/30/06	364	16:00	-70 06.4948	176 42.7057	06.7	208.1	3389	3342	10219.0		33.731	-01.609	382.3	
12/30/06	364	16:15	-70 07.8653	176 40.0626	06.8	215.7	3390	3332	10222.0		33.753	-01.533	384.6	
12/30/06	364	16:30	-70 09.1887	176 36.9141	06.0	224.4	3368	4478	10226.0		33.722	-01.604	384.2	
12/30/06	364	16:45	-70 10.4878	176 33.6777	06.9	212.3	3345	3291	10226.0		33.692	-01.605	384.2	
12/30/06	364	17:00	-70 11.9325	176 31.1517	07.1	210.5	3323	4256	10225.0		33.730	-01.621	384.2	Roi off, Michelle on
12/30/06	364	17:15	-70 13.4193	176 28.6569	07.0	212.2	3303	3251	10228.0		33.595	-01.571	376.5	
12/30/06	364	17:30	-70 14.8146	176 26.1145	07.0	212.7	3256	3212	10228.0		33.670	-01.769	385.1	
12/30/06	364	17:45	-70 16.2195	176 23.4192	07.0	210.7	2515	4576	10229.0		33.623	-01.712	381.1	
12/30/06	364	18:00	-70 17.4957	176 21.0021	05.0	212.2	1529	3024	10228.0		33.597	-01.735	378.2	
12/30/06	364	18:15	-70 18.8690	176 18.3215	07.7	213.1	3175	3124	10230.0		33.646	-01.644	378.2	
12/30/06	364	18:30	-70 20.1393	176 15.7516	07.6	213.6	2898	4657	10229.0		33.681	-01.736	378.3	
12/30/06	364	18:45	-70 21.5295	176 12.9675	06.2	218.7	3696	3566	10234.0		33.717	-01.701	379.9	
12/30/06	364	19:00	-70 23.4503	176 11.0825	10.0	186.1	3036	2987	10231.0		33.781	-01.696	384.6	
12/30/06	364	19:15	-70 25.7323	176 09.8940	09.7	213.2	2956	2903	10242.0		33.790	-01.635	389.8	
12/30/06	364	19:30	-70 27.0987	176 06.0361	06.1	214.1	2912	3345	10246.0		33.729	-01.727	393.4	
12/30/06	364	19:45	-70 28.3804	176 02.8821	08.5	223.2	2847	2801	10246.0		33.793	-01.732	387.1	
12/30/06	364	19:50	-70 28.8972	176 01.5280										XBT in the water (noisy data)
		19:57	-70 29.1806	176 00.8752										another XBT in the water
12/30/06	364	20:00	-70 29.2767	176 00.7104	02.4	206.7	2814	2765	10241.0		33.839	-01.682	387.1	Dan off
12/30/06	364	20:15	-70 30.1680	175 57.7423	06.4	222.5	2776	2726	10252.0		33.788	-01.705	393.0	Sian on
12/30/06	364	20:30	-70 31.3252	175 54.2377	08.4	221.9	2154	3220	10250.0		33.773	-01.718	393.4	
12/30/06	364	20:45	-70 32.1460	175 49.6902	07.7	281.3	2750	2700	10255.0		33.774	-01.588	382.7	
12/30/06	364	21:00	-70 31.8279	175 44.4946	07.4	279.3	2756	2710	10256.0		33.792	-01.510	369.2	
12/30/06	364	21:15	-70 31.7130	175 38.4322	04.6	277.2	2839	3717	10264.0		33.805	-01.469	391.7	
12/30/06	364	21:30	-70 31.9098	175 33.1393	07.8	251.9	3026	2973	10258.0		33.816	-01.441	393.7	
12/30/06	364	21:45	-70 32.4577	175 28.6395	07.5	218.0	2825	2784	10260.0		33.712	-01.669	393.7	
12/30/06	364	22:00	-70 33.9363	175 24.9435	08.9	230.6	2742	2671	10271.0		33.717	-01.582	389.1	
12/30/06	364	22:15	-70 34.2155	175 18.8406	08.8	268.8	2504	2455	10281.0		33.790	-01.534	393.5	
12/30/06	364	22:30	-70 34.4664	175 13.6540	05.4	254.2	2464	3892	10279.0		33.746	-01.695	394.2	
12/30/06	364	22:45	-70 34.6179	175 08.7112	06.7	267.6	2558	2510	10279.0		33.702	-01.518	384.7	Michelle off
12/30/06	364	23:00	-70 35.7829	175 02.7914	10.1	236.9	2558	2509	10281.0		33.820	-01.246	376.7	Franziska on
12/30/06	364	23:15	-70 37.4464	174 57.9934	10.5	225.5	2500	2448	10282.0		33.824	-01.028	376.7	
12/30/06	364	23:30	-70 38.8380	174 50.7193	08.4	248.3	2545	2501	10289.0		33.945	-00.943	373.6	
12/30/06	364	23:45	-70 39.6748	174 45.1575	05.5	247.5	2513	2464	10284.0		33.947	-01.100	377.4	23:41 fire drill
12/31/06	365	00:00	-70 40.0090	174 43.1213	01.8	238.1	2501	2454	10271.0		33.945	-00.973	384.5	
12/31/06	365	00:15	-70 40.5872	174 38.1445	06.8	261.2	2504	2452	10288.0		33.902	-01.003	362.4	
12/31/06	365	00:30	-70 40.9254	174 32.9416	08.6	261.1	2517	2467	10282.0		33.705	-01.314	340.3	
12/31/06	365	00:45	-70 41.1209	174 29.3800	05.3	268.0	2499	3565	10279.0		33.685	-01.583	332.7	
12/31/06	365	01:00	-70 41.3141	174 21.2805	06.8	256.5	2512	2465	10286.0		33.705	-01.262	332.7	
12/31/06	365	01:15	-70 42.0845	174 16.5143	07.2	238.9	2548	3421	10278.0		33.806	-01.254	343.2	MBc incorrect
12/31/06	365	01:30	-70 42.9282	174 10.1074	07.3	252.0	2410	2672	10289.0		33.780	-01.139	338.2	
12/31/06	365	01:45	-70 43.2344	174 03.6612	08.7	276.9	2353	2306	10296.0		33.776	-01.200	329.0	
12/31/06	365	02:00	-70 43.0687	173 59.2575	07.7	271.8	2321	2275	10285.0		33.656	-01.222	328.4	
12/31/06	365	02:15	-70 43.1969	173 51.8042	11.3	269.3	2269	2225	10299.0		33.831	-01.039	328.2	Sian off, Lisa on
12/31/06	365	02:30	-70 43.2578	173 43.4143	11.3	269.0	2242	2197	10302.0		33.875	-00.876	327.9	
12/31/06	365	02:45	-70 43.2175	173 35.4712	08.0	270.4	2017	2018	10307.0		33.926	-00.725	343.3	
12/31/06	365	03:00	-70 43.1021	173 27.8604	09.2	331.6	3341	2247	10305.0		34.010	-00.919	339.9	bathy incorrect
12/31/06	365	03:15	-70 40.5345	173 28.0573	10.5	002.1	2024	1733	10272.0		33.993	-00.592	336.1	bathy incorrect
12/31/06	365	03:30	-70 37.9482	173 27.5656	10.5	357.0	1660	1623	10276.0		34.090	-00.740	338.7	
12/31/06	365	03:45	-70 35.3879	173 27.4054	10.3	359.3	1803	3735	10272.0		34.049	-00.758	334.0	MBc incorrect
12/31/06	365	04:00	-70 33.2085	173 29.1696	10.9	119.3	2041	2006	10268.0		34.099	-00.823	340.6	

12/31/06	365	04:15	-70 34.3625	173 36.2192	11.2	115.1	2210	2166	10244.0		34.052	-00.585	340.6		
12/31/06	365	04:30	-70 35.5701	173 43.8016	11.0	116.5	2264	2215	10243.0		34.059	-00.596	344.3		
12/31/06	365	04:45	-70 36.7754	173 51.1139	11.1	116.0	2301	2247	10243.0		34.034	-00.634	350.7		
12/31/06	365	05:00	-70 37.0619	173 56.8909	02.2	001.5	2295	2246	10254.0		33.963	-00.847	352.9		
12/31/06	365	05:11													streamer is being deployed in water
12/31/06	365	05:15	-70 36.7081	173 56.1465	01.7	325.2	2293	2246	10271.0		33.928	-00.531	363.2		
12/31/06	365	05:25													bringing in streamer, problem with birds (2 in the water)
12/31/06	365	05:30	-70 36.3565	173 55.3052	01.9	318.8	2296	2247	10271.0		33.939	-00.678	351.8		
12/31/06	365	05:32													redeployment of streamer (safety screw of birds adjusted)
12/31/06	365	05:45	-70 35.9669	173 54.3356	02.6	316.1	2303	2252	10271.0		33.963	-00.613	351.0		
12/31/06	365	06:00	-70 35.5261	173 52.8973	03.1	309.6	2297	2253	10272.0		33.987	-00.664	351.0		
12/31/06	365	06:15	-70 35.0262	173 51.0352	03.5	308.1	2303	2253	10274.0		34.024	-00.662	352.3		
12/31/06	365	06:30	-70 34.4623	173 48.9789	03.6	308.2	2292	2241	10274.0		34.046	-00.762	352.7		
12/31/06	365	06:45	-70 33.9226	173 47.0334	03.3	311.9	2280	2235	10273.0		34.053	-00.758	348.9		streamer with all 12 birds deployed successfully
12/31/06	365	07:00	-70 33.3000	173 44.9725	02.5	317.4	2276	2224	10273.0		34.048	-00.674	344.0		
12/31/06	365	07:15	-70 32.7942	173 43.4564	03.5	312.8	2266	2228	10272.0		34.044	-00.749	345.8		
12/31/06	365	07:30	-70 32.1927	173 41.5155	03.6	314.7	2260	2212	10272.0		34.037	-00.623	345.8		Sonobuoy deployed at 7:27
12/31/06	365	07:45	-70 31.5514	173 39.5581	03.8	312.7	2252	2202	10272.0		34.094	-00.711	344.0		
12/31/06	365	08:00	-70 31.0208	173 37.1136	04.0	278.9	2227	2179	10274.0		34.097	-00.826	343.9		Lisa off, Rose on
12/31/06	365	08:15	-70 31.2767	173 34.3863	04.0	249.4	2217	2174	10273.0		34.082	-00.789	340.6		
12/31/06	365	08:30	-70 31.6479	173 32.1863	02.9	238.9	2180	2136	10273.0		34.083	-00.806	333.5	240	1 gun
12/31/06	365	08:45	-70 31.9185	173 30.5026	02.1	248.7	2108	2096	10273.0		34.078	-00.673	338.7		Stop shooting guns at 8:41
12/31/06	365	09:00	-70 32.1638	173 28.3777	03.3	249.7	2050	2014	10276.0		34.101	-00.868	340.0		
12/31/06	365	09:15	-70 32.4756	173 26.0733	03.3	248.0	2010	1971	10275.0		34.098	-00.793	340.0		Pulling in the guns
12/31/06	365	09:30	-70 32.7777	173 24.4034	02.3	237.2	1953	1918	10271.0		34.089	-00.812	338.2		
12/31/06	365	09:45	-70 33.0753	173 22.9037	02.8	245.0	1862	1829	10267.0		34.070	-00.862	338.1		
12/31/06	365	10:00	-70 33.3939	173 20.6506	03.3	246.3	1993	1962	10261.0		34.086	-01.048	337.4		
12/31/06	365	10:15	-70 33.7523	173 18.4085	03.3	244.2	2572	2525	10249.0		34.113	-00.880	340.3		
12/31/06	365	10:30	-70 34.1203	173 16.1710	03.4	243.7	2528	2487	10237.0		34.110	-00.904	340.3		Sonobuoy 3 deployed at 10:29
12/31/06	365	10:45	-70 34.4870	173 13.9133	03.3	244.6	2506	2454	10228.0		34.106	-00.856	341.0		
12/31/06	365	11:00	-70 34.8537	173 11.6208	03.2	244.2	2495	2438	10221.0		34.105	-00.617	341.0		Marcel off, Roi on, Happy new year
12/31/06	365	11:15	-70 35.1576	173 09.5306	03.3	244.8	2450	2412	10216.0		34.113	-00.805	339.8		11:21 gun #1; #291
12/31/06	365	11:30	-70 35.5110	173 07.2437	04.0	246.6	2430	2380	10212.0		34.110	-00.790	339.2		1125 shot- 2 guns, #309
12/31/06	365	11:45	-70 35.9427	173 01.1470	04.5	255.5	2451	2408	10212.0		34.082	-00.730	336.0	415	11:28- 3 guns, #326
12/31/06	365	12:00	-70 36.2988	173 00.8066	04.6	243.0	2444	2395	10206.0		34.075	-00.671	333.5	475	11:32 - 4 guns, #350
12/31/06	365	12:15	-70 36.7868	172 57.7231	04.6	244.9	2476	2428	10203.0		34.057	-00.694	333.3	566	1137 - 5 guns #371
12/31/06	365	12:30	-70 37.2478	172 54.7495	04.5	248.0	2479	2432	10202.0		34.043	-00.690	333.3	641	1141 - 6 guns #394
12/31/06	365	12:45	-70 37.7110	172 51.6055	04.6	245.1	2477	2431	10204.0		34.035	-00.687	326.8	713	
12/31/06	365	13:00	-70 38.1807	172 48.5019	04.5	245.2	2524	2477	10210.0		34.031	-00.654	325.0	788	
12/31/06	365	13:15	-70 38.6540	172 45.4221	04.4	246.7	2554	2509	10220.0		34.063	-00.745	329.4	864	
12/31/06	365	13:30	-70 39.1255	172 42.3312	04.6	244.3	2570	2525	10234.0		34.064	-00.762	311.9	939	
12/31/06	365	13:45	-70 39.6066	172 39.1794	04.7	244.8	2564	2516	10252.0		34.085	-00.802	326.9	1015	
12/31/06	365	14:00	-70 40.0914	172 36.1883	04.4	245.5	2234	2047	10275.0		34.055	-00.713	332.0	1087	Rose off Danny On
12/31/06	365	14:15	-70 40.5606	172 33.0084	04.5	244.5	1190	1159	10301.0		34.109	-00.760	332.0	1160	
12/31/06	365	14:30	-70 41.0074	172 30.0348	04.5	245.6	1164	1059	10312.0		34.096	-00.822	334.9	1234	
12/31/06	365	14:45	-70 41.4171	172 26.8881	04.6	247.5	1491	1457	10313.0		34.098	-00.835	334.8	1312	
12/31/06	365	15:00	-70 41.8414	172 23.7094	04.6	247.4	1652	1654	1309.0		34.100	-00.984	338.2	1386	xbt 100-bad, 101-good
12/31/06	365	15:15	-70 42.2987	172 20.4565	04.6	246.1	1736	1703	10305.0		34.109	-00.720	337.7	1466	
12/31/06	365	15:30	-70 42.7487	172 17.3547	04.5	246.8	1874	1829	10301.0		34.100	-00.742	335.4	1534	
12/31/06	365	15:45	-70 43.1827	172 14.1953	04.6	247.2	1953	1916	10296.0		34.113	-00.690	335.5		shot 1626 we have problem (~1550)
12/31/06	365	16:00	-70 43.6560	172 10.6274	04.6	237.9	2116	2075	10287.0		34.115	-00.686	333.7	1648	1558 - shot 1638, back in buisness
12/31/06	365	16:15	-70 44.1261	172 07.7087	04.7	251.4	2229	2181	10280.0		34.115	-00.799	336.3	1719	
12/31/06	365	16:30	-70 44.4809	172 04.4934	04.6	250.8	2318	2272	10275.0		34.109	-00.761	339.2	1793	
12/31/06	365	16:45	-70 44.8860	172 01.1545	04.6	249.0	2325	2281	10272.0		34.100	-00.721	338.4	1869	
12/31/06	365	17:00	-70 45.2733	171 58.0280	04.6	249.6	2363	2315	10269.0		34.115	-00.864	336.1	1941	Roi off
12/31/06	365	17:15	-70 45.6001	171 54.5452	04.7	255.9	2336	2283	10268.0		34.121	-00.926	338.7	2024	Michelle on
12/31/06	365	17:30	-70 45.0002	171 51.3080	04.7	247.4	2347	2301	10266.0		34.142	-01.017	338.7	2098	
12/31/06	365	17:45	-70 46.4616	171 48.0762	04.6	243.9	2367	2317	10264.0		34.134	-00.926	341.7	2173	
12/31/06	365	18:00	-70 46.9395	171 44.9304	04.6	245.8	2351	2302	10262.0		34.154	-00.932	357.0	2249	
12/31/06	365	18:15	-70 47.3799	171 41.7599	04.6	248.9	2342	2298	10260.0		34.157	-00.992	357.7	2323	
12/31/06	365	18:30	-70 47.7965	171 38.5382	04.7	248.0	2322	2276	10259.0		34.168	-01.031	351.2	2397	

12/31/06	365	18:45	-70 48.2286	171 35.3458	04.4	246.7	2304	2255	10258.0		34.175	-00.967	356.2	2472	
12/31/06	365	19:00	-70 48.6305	171 32.2394	04.3	247.5	2296	2249	10258.0		34.158	-01.039	357.2	2548	
		19:05	-70 48.7889	171 31.1005										2574	sonobuoy deployed
12/31/06	365	19:15	-70 49.0709	171 29.2227	04.4	246.8	2288	2241	10256.0		34.149	-01.195	357.2	2623	
12/31/06	365	19:30	-70 49.5168	171 26.1539	04.5	246.6	2278	2230	10255.0		34.131	-00.981	361.1	2697	
12/31/06	365	19:45	-70 49.9480	171 22.9788	04.5	248.5	2275	2227	10254.0		34.170	-00.992	356.6	2773	
12/31/06	365	20:00	-70 50.3517	171 19.7195	04.5	249.8	2256	2209	10253.0		34.174	-01.005	355.4	2847	Dan off
12/31/06	365	20:15	-70 50.7664	171 16.3531	04.6	249.5	2249	2201	10253.0		34.176	-00.980	356.3	2925	Sian on
12/31/06	365	20:30	-70 51.1743	171 13.2065	04.7	248.8	2251	2204	10254.0		34.175	-01.006	359.4	2997	
12/31/06	365	20:45	-70 51.6060	171 09.8868	04.8	245.2	2224	2178	10255.0		34.181	-01.039	359.4	3072	
12/31/06	365	21:00	-70 52.0482	171 06.6641	04.6	248.4	2213	2168	10257.0		34.176	-01.027	361.5	3147	
12/31/06	365	21:15	-70 52.6080	171 03.6978	04.4	229.6	2212	2164	10257.0		34.187	-01.056	360.2	3223	
12/31/06	365	21:30	-70 53.4682	171 01.8741	04.4	198.9	2161	2113	10255.0		34.142	-01.135	359.4	3297	
12/31/06	365	21:45	-70 54.5526	171 01.5793	04.4	174.3	2117	lost	10251.0		34.166	-01.031	361.2	3372	(computer crash)
12/31/06	365	22:00	-70 55.6004	171 02.6825	04.4	156.5	2056	2013	10247.0		34.161	-00.970	357.1	3447	
12/31/06	365	22:15	-70 56.5791	171 04.2133	04.4	149.0	2099	2051	10246.0		34.154	-00.823	359.0	3523	
12/31/06	365	22:30	-70 57.4979	171 05.9500	04.3	142.5	2069	2025	10245.0		34.172	-00.821	359.0	3598	
12/31/06	365	22:45	-70 58.0907	171 08.5941	04.2	107.7	2002	1962	10241.0		34.164	-00.779	359.7	3673	
12/31/06	365	23:00	-70 58.2761	171 11.8588	04.5	090.6	2072	2027	10238.0		34.151	-00.808	357.3	3747	Michelle off, Franziska on, seismic line heading east now
12/31/06	365	23:15	-70 58.3090	171 15.3104	04.5	100.9	2055	2012	10238.0		34.158	-00.779	355.3	3821	
12/31/06	365	23:30	-70 58.5512	171 18.6905	04.7	092.3	2071	2025	10237.0		34.168	-00.942	356.0	3897	
12/31/06	365	23:45	-70 58.3388	171 22.1338	04.9	066.1	2140	2094	10236.0		34.156	-00.937	354.3	3972	
01/01/07	1	00:00	-70 57.7336	171 25.0168	04.5	053.1	2172	2125	10237.0		34.161	-00.977	353.7	4047	
01/01/07	1	00:15	-70 57.0872	171 27.8146	04.6	055.3	2208	2166	10237.0		34.163	-00.988	353.7	4122	
01/01/07	1	00:30	-70 56.4198	171 30.7077	04.6	055.8	2261	2214	10236.0		34.155	-00.934	355.1	4198	
01/01/07	1	00:40	-70 55.8279	171 33.0011											reduced to one gun
01/01/07	1	00:45	-70 55.7094	171 33.4103	04.5	048.7	2260	2213	10237.0		34.153	-00.884	355.2	4272	
01/01/07	1	00:50	-70 55.4251	171 34.3890											going back to 6 guns
01/01/07	1	01:00	-70 54.9944	171 35.9885	04.2	058.2	2286	2240	10235.0		34.170	-00.950	353.8	4349	
01/01/07	1	01:15	-70 54.6982	171 39.2899	04.3	092.2	2328	2284	10233.0		34.166	-01.017	352.0	4422	
01/01/07	1	01:30	-70 55.1110	171 42.3477	04.2	116.6	2362	2318	10236.0		34.145	-00.954	357.2	4497	
01/01/07	1	01:45	-70 55.6302	171 45.2719	04.5	118.1	2357	2312	10236.0		34.158	-01.026	357.2	4572	
01/01/07	1	02:00	-70 56.2111	171 48.2611	04.5	117.6	2357	2308	10238.0		34.145	-00.861	351.9	4647	Sian off
01/01/07	1	02:15	-70 56.3269	171 51.5698	04.5	069.1	2332	2295	10237.0		34.135	-00.866	346.0	4723	Lisa on
01/01/07	1	02:17	-70 56.2624	171 52.0459											Sonobuoy Model 77, Channel 22 launched
01/01/07	1	02:30	-70 55.9282	171 54.6991	04.4	072.8	2365	2700	10239.0		34.137	-00.807	347.3	4798	
01/01/07	1	02:45	-70 55.6755	171 57.9749	04.3	075.7	2369	2319	10241.0		34.153	-00.929	348.3	4873	
01/01/07	1	03:00	-70 55.4224	172 01.2488	04.4	075.1	2349	2685	10243.0		34.130	-00.952	349.2	4949	MBC incorrect
01/01/07	1	03:15	-70 55.1967	172 04.5557	04.4	079.9	2337	2289	10246.0		34.133	-00.935	347.7	5023	
01/01/07	1	03:30	-70 54.9440	172 07.9074	04.5	079.6	2306	2261	10249.0		34.110	-00.843	347.7	5097	
01/01/07	1	03:45	-70 54.6941	172 11.2958	04.6	079.1	2215	2163	10252.0		34.094	-00.821	337.5	5173	
01/01/07	1	04:00	-70 54.4501	172 14.7784	04.6	074.1	2233	2187	10253.0		34.115	-00.971	338.7	5249	
01/01/07	1	04:15	-70 54.1795	172 18.1064	04.6	077.4	2154	2112	10255.0		34.085	-00.828	340.9	5323	
01/01/07	1	04:30	-70 53.8820	172 21.5488	04.7	073.6	2214	2172	10256.0		34.083	-00.847	333.7	5399	
01/01/07	1	04:45	-70 53.6320	172 24.9847	04.7	089.0	2222	2175	10256.0		34.097	-00.851	338.0	5474	
01/01/07	1	05:00	-70 54.0294	172 28.1635	04.4	110.4	2221	2167	10254.0		34.095	-00.838	337.7	5548	Franziska off, Marcel on
01/01/07	1	05:15	-70 54.0221	172 31.5216	04.7	070.2	2501	2390	10249.0		34.098	-00.874	337.7	5624	2 non-functioning sonobuoys
01/01/07	1	05:30	-70 53.3777	172 34.4733	04.8	048.9	2522	2472	10246.0		34.086	-00.828	340.3	5698	
01/01/07	1	05:45	-70 52.6703	172 37.1722	04.5	058.3	2494	2443	10238.0		34.085	-00.842	337.4	5773	Back on planned seismic line at 5:41
01/01/07	1	05:50													sonobuoy Model 57B deployed, Channel 15, not working
01/01/07	1	06:00	-70 52.2990	172 40.2072	04.0	080.1	2459	2579	10227.0		34.096	-00.831	339.0	5849	sonobuoy Model 57B deployed, Channel 15
01/01/07	1	06:15	-70 52.0692	172 43.4518	04.9	077.9	2445	2401	10220.0		34.063	-00.871	337.6	5924	
01/01/07	1	06:30	-70 51.8907	172 47.2092	05.0	088.9	2448	2401	10213.0		34.092	-00.946	337.3	5998	sonobuoy died
01/01/07	1	06:45	-70 51.7154	172 51.0965	04.7	072.3	2448	2399	10210.0		34.096	-00.898	337.3	6073	
01/01/07	1	06:53													sonobuoy Model 57B deployed, Channel 15, not working
01/01/07	1	07:00	-70 51.3643	172 54.5480	04.6	064.9	2413	2358	10210.0		34.099	-00.985	338.9	6151	
01/01/07	1	07:15	-70 51.0063	172 57.6353	04.6	074.6	2447	2395	10205.0		34.091	-00.747	342.0	6223	
01/01/07	1	07:30	-70 50.7939	173 00.9915	04.3	082.5	2469	2415	10202.0		34.074	-00.794	338.2	6298	
01/01/07	1	07:45	-70 50.6483	173 04.3661	04.5	083.1	2471	2414	10203.0		34.054	-00.902	332.7	6373	
01/01/07	1	08:00	-70 50.4213	173 07.5906	04.7	074.6	2488	2575	10202.0		34.011	-00.800	334.4	6447	Lisa off, Rose on
01/01/07	1	08:15	-70 50.1489	173 10.9955	04.5	075.8	2511	2465	10206.0		33.992	-00.814	332.2	6525	

01/01/07	1	08:25													Stop shooting, pressure problem in engine room
01/01/07	1	08:30	-70 49.8729	173 14.3857	04.6	075.7	2361	2297	10213.0		33.988	-00.837	332.2		
01/01/07	1	08:42													Start shooting again
01/01/07	1	08:45	-70 49.6449	173 17.5250	04.4	078.7	2239	2192	10222.0		33.990	-00.868	331.1	6588	
01/01/07	1	09:00	-70 49.3863	173 20.7640	04.4	075.6	2249	2159	10238.0		34.008	-00.853	332.1	6666	
01/01/07	1	09:15	-70 49.1716	173 24.0811	04.5	078.9	1531	3039	10256.0		34.001	-00.874	334.8	6738	MB depth reading incorrect
01/01/07	1	09:30	-70 48.9821	173 27.3999	04.3	084.9	1509	1168	10273.0		34.011	-00.843	337.5	6813	MB depth reading incorrect
01/01/07	1	09:45	-70 48.7706	173 30.7099	04.4	080.2	1714	1687	10276.0		34.009	-00.889	338.9	6888	logging of sonbuoy on standby
01/01/07	1	10:00	-70 48.7495	173 33.9322	04.2	111.2	1868	1839	10273.0		34.045	-00.993	338.9	6963	Turn to south of track line to go south of iceberg at 9:50
01/01/07	1	10:15	-70 49.2833	173 36.6312	04.2	123.6	2052	672	10275.0		34.010	-00.878	339.6	7039	
01/01/07	1	10:30	-70 49.7758	173 39.7769	04.5	096.7	2184	2529	10270.0		33.973	-01.067	335.6	7114	MB depth reading incorrect
01/01/07	1	10:45	-70 49.6811	173 43.3063	04.7	086.4	2218	10269	10269.0		33.958	-00.954	334.5	7188	Problem with Simrad Multibeam
01/01/07	1	11:00	-70 49.9644	173 46.3806	04.3	121.3	2241	2194	10268.0		33.909	-01.092	330.0	7263	Marcel off, Roi on
01/01/07	1	11:15	-70 50.4822	173 49.3259	04.6	121.4	2593	2474	10265.0		33.855	-01.159	331.1	7338	1119: stop shooting, end of line #1
01/01/07	1	11:30	-70 51.0526	173 52.3233	04.6	127.9	2280	2230	10264.0		33.800	-01.264	327.7		MB system - live!
01/01/07	1	11:45	-70 51.9868	173 53.9227	04.8	170.9	2296	2240	10272.0		33.790	-01.311	327.7		11:51 Shooting line #2 start (shot 108)
01/01/07	1	12:00	-70 53.1761	173 54.0262	04.6	179.5	2300	2250	10278.0		33.867	-01.398	334.2	113	11:55 offline, 12:00 online
01/01/07	1	12:15	-70 54.2940	173 54.1516	04.9	179.2	2310	2258	10278.0		33.899	-01.433	339.9	185	
01/01/07	1	12:30	-70 55.5579	173 54.1690	04.8	179.9	2293	2243	10279.0		33.935	-01.503	346.9	259	
01/01/07	1	12:45	-70 56.6927	173 54.1205	04.6	189.2	2278	2231	10280.0		33.882	-01.549	350.4	334	
01/01/07	1	13:00	-70 57.8027	173 53.1519	04.6	204.3	2263	2202	10284.0		33.887	-01.475	352.6	410	
01/01/07	1	13:15	-70 58.6826	173 51.0928	04.5	223.5	2252	2203	10287.0		33.902	-01.396	354.4	486	
01/01/07	1	13:30	-70 59.1531	173 48.0194	04.8	251.8	2241	2364	10288.0		33.891	-01.278	354.4	559	
01/01/07	1	13:45	-70 59.4731	173 44.6136	04.7	253.7	2219	2170	10286.0		33.946	-01.243	351.6	634	
01/01/07	1	14:00	-70 59.7729	173 41.3773	04.5	253.4	2220	2172	10281.0		33.970	-01.140	354.4	707	
01/01/07	1	14:15	-71 00.0984	173 37.9184	04.5	254.7	2266	2225	10276.0		33.982	-01.082	338.0	784	
01/01/07	1	14:30	-71 00.3662	173 34.6893	04.6	253.4	2267	2224	10271.0		33.929	-01.053	325.0	862	
01/01/07	1	14:45	-71 00.6972	173 31.2836	04.6	252.2	2250	2478	10267.0		33.948	-01.055	325.0	933	
01/01/07	1	15:00	-71 00.8615	173 29.5877											Launched sonobuoy 57
01/01/07	1	15:00	-71 01.0226	173 27.6810	04.3	260.9	2235	2221	10266.0		33.958	-00.998	325.9	1018	Launched sonobuoy 57
01/01/07	1	15:15	-71 01.2708	173 24.7806	04.3	254.2	2216	2174	10265.0		33.962	-01.040	324.8	1087	
01/01/07	1	15:30	-71 01.5656	173 21.6998	04.3	251.9	2205	2164	10265.0		33.959	-01.033	324.8	1162	
01/01/07	1	15:45	-71 01.8851	173 18.4616	04.5	251.1	2204	2156	10266.7		33.967	-00.984	323.1	1238	
01/01/07	1	16:00	-71 02.2142	173 15.2417	04.3	250.6	2193	2142	10271.0		33.981	-00.926	321.6	1312	
01/01/07	1	16:15	-71 02.5686	173 12.0364	04.5	252.6	2159	2154	10276.0		34.023	-00.974	329.7	1386	
01/01/07	1	16:30	-71 02.8624	173 08.8110	04.4	256.6	2420	2366	10275.0		34.017	-00.954	333.4	1461	
01/01/07	1	16:45	-71 03.1366	173 05.4877	04.5	255.8	2445	2743	10273.0		34.029	-01.011	333.4	1537	
01/01/07	1	17:00	-71 03.4492	173 02.0700	04.6	253.8	2435	2388	10271.0		34020	-00.907	331.9	1611	
01/01/07	1	17:03													sonobuoy launched -#57B, channel 2
01/01/07	1	17:11													XBT launched (102) - failed
01/01/07	1	17:15	-71 03.7605	172 58.7192	04.6	251.2	2423	2375	10270.0		34.042	-01.024	329.3	1691	XBT launched (103) - failed
01/01/07	1	17:19	-71 03.8576	172 57.6938										1708	XBT launched (104) -Success!
01/01/07	1	17:30	-71 04.0842	172 55.4205	04.6	252.4	2434	2384	10270.0		34.032	-00.998	333.1	1762	
01/01/07	1	17:45	-71 04.3987	172 52.0102	04.5	256.3	2397	2365	10270.0		34.033	-00.946	331.1	1838	
01/01/07	1	18:00	-71 04.6857	172 48.5550	04.7	256.3	2402	2352	10271.0		34.019	-00.789	329.4	1913	
01/01/07	1	18:15	-71 04.9754	172 45.1556	04.4	255.3	2403	2351	10271.0		34.057	-00.926	327.6	1987	
01/01/07	1	18:30	-71 05.2844	172 41.8021	04.6	255.7	2395	2352	10271.0		34.034	-00.630	327.6	2062	
01/01/07	1	18:45	-71 05.6094	172 38.4164	04.6	253.0	2390	2341	10272.0		34.018	-00.994	332.0	2137	
01/01/07	1	19:00	-71 05.9171	172 35.1004	04.5	254.5	2408	2361	10271.0		33.965	-00.783	325.1	2211	
01/01/07	1	19:15	-71 06.2064	172 31.7276	04.6	254.6	2378	2330	10271.0		33.985	-00.856	319.7	2286	
01/01/07	1	19:30	-71 06.5158	172 28.3804	04.6	250.8	2370	2322	10270.0		33.970	-00.762	324.0	2362	
01/01/07	1	19:45	-71 06.9374	172 25.2658	04.3	248.6	2340	2292	10268.0		33.965	-00.801	325.2	2437	
01/01/07	1	20:00	-71 07.2253	172 21.8756	04.6	255.9	2337	2285	10271.0		33.954	-00.847	325.2	2511	Dan off
01/01/07	1	20:15	-71 07.5000	172 17.4067	04.5	254.0	2367	2319	10272.0		33.921	-00.799	321.1	2588	Sian on
01/01/07	1	20:30	-71 07.7815	172 15.0742	04.5	255.8	2212	2122	10274.0		33.939	-00.760	324.5	2116	
01/01/07	1	20:45	-71 08.0846	172 11.6971	04.6	255.1	2320	2280	10275.0		33.949	-00.715	324.4	2737	
01/01/07	1	21:00	-71 08.4325	172 08.4549	04.1	243.7	2283	2233	10273.0		33.960	-00.721	324.7	2812	
01/01/07	1	21:15	-71 08.8550	172 05.4199	04.3	235.1	2299	2250	10272.0		33.998	-00.853	325.7	2886	
01/01/07	1	21:30	-71 09.3745	172 02.3538	05.0	262.5	532	2411	10271.0		34.022	-00.907	327.3	2962	
01/01/07	1	21:45	-71 09.5695	171 58.4610	05.0	261.1	2309	2253	10270.0		34.048	-00.879	327.3	3039	
01/01/07	1	22:00	-71 09.7275	171 54.8712	04.6	257.6	1964	2197	10267.0		34.102	-00.923	331.1	3113	

01/01/07	1	22:15	-71 09.9843	171 51.4810	04.4	259.0	2484	2026	10263.0	34.069	-00.860	336.8	3187	
01/01/07	1	22:30	-71 10.3171	171 48.3847	04.1	237.8	2203	2156	10261.0	34.074	-00.785	337.4	3262	
01/01/07	1	22:45	-71 11.0587	171 46.3651	04.3	201.1	2148	2105	10256.0	34.078	-00.776	337.0	3336	Change course to south due to ice
01/01/07	1	23:00	-71 12.0699	171 45.1291	04.5	200.7	2083	2038	10255.0	34.062	-00.738	337.7	3411	Michelle off
01/01/07	1	23:15	-71 13.1850	171 44.4754	04.4	189.9	2116	2069	10254.0	34.078	-00.652	337.3	3488	Franziska on
01/01/07	1	23:30	-71 14.2557	171 45.4175	04.4	126.2	2098	2058	10250.0	34.105	-00.743	337.3	3562	
01/01/07	1	23:45	-71 14.7185	171 48.8864	04.4	082.1	2098	2051	10245.0	34.097	-00.723	342.8	3637	
01/02/07	2	00:00	-71 14.4873	171 52.2601	04.5	078.8	2098	2053	10248.0	34.079	-00.721	341.5	3712	
01/02/07	2	00:15	-71 14.2062	171 55.6631	04.6	076.3	2121	2076	10249.0	34.035	-00.876	334.7	3787	
01/02/07	2	00:30	-71 13.9522	171 59.0936	04.6	080.9	2140	2094	10252.0	34.014	-00.905	334.6	3862	
01/02/07	2	00:45	-71 13.7553	172 02.5616	04.5	081.1	2179	2133	10254.0	34.016	-00.788	334.4	3937	
01/02/07	2	01:00	-71 13.6047	172 05.9958	04.5	083.6	2132	2104	10259.0	33.998	-00.724	334.4	4012	
01/02/07	2	01:15	-71 13.5905	172 09.3256	04.3	094.7	1795	1754	10264.0	33.998	-00.796	332.3	4087	
01/02/07	2	01:30	-71 13.6812	172 12.6462	04.2	097.0	1904	1879	10266.0	33.992	-00.850	335.5	4162	
01/02/07	2	01:45	-71 13.9229	172 16.0474	04.8	097.7	2263	2227	10262.0	34.009	-00.890	336.3	4237	
01/02/07	2	02:00	-71 14.1824	172 19.4604	04.6	103.1	2333	2285	10259.0	33.989	-00.851	337.4	4312	Sonar buoy 57B, Channel 12, Sian off
01/02/07	2	02:15	-71 14.5587	172 22.7289	04.5	113.8	2271	2224	11026.0	33.994	-00.894	337.6	4387	
01/02/07	2	02:30	-71 15.0288	172 25.8958	04.7	116.5	2308	2260	10261.0	33.997	-00.876	338.4	4462	
01/02/07	2	02:45	-71 15.6789	172 28.8080	04.8	119.0	2292	2245	10265.0	33.985	-00.733	338.4	4537	
01/02/07	2	03:00	-71 16.0135	172 31.1030	04.7	105.2	2256	2210	10264.0	33.958	-00.800	333.6	4612	
01/02/07	2	03:15	-71 16.3078	172 35.5270	04.6	103.8	2275	2228	10264.0	33.952	-00.724	332.9	4686	
01/02/07	2	03:30	-71 16.4333	172 39.0591	05.1	091.0	2303	2255	10265.0	33.934	-00.689	335.8	4762	
01/02/07	2	03:45	-71 16.2076	172 43.0893	05.3	078.7	2308	2258	10265.0	33.937	-00.789	333.9	4838	Sonar buoy 57B, Channel 27
01/02/07	2	04:00	-71 15.9389	172 46.6370	04.4	075.5	2236	2193	10270.0	33.913	-00.820	333.6	4912	
01/02/07	2	04:15	-71 15.6793	172 49.9429	04.2	080.5	2213	2165	10272.0	33.926	-00.807	332.2	4987	
01/02/07	2	04:30	-71 15.5150	172 53.3221	04.5	083.9	2227	2178	10273.0	33.913	-00.763	332.8	5062	
01/02/07	2	04:45	-71 15.2673	172 56.8835	04.7	078.2	2241	2192	10273.0	33.930	-00.762	332.6	5138	
01/02/07	2	05:00	-71 15.0256	173 00.3561	04.7	078.4	2233	2182	10274.0	33.923	-00.752	332.2	5212	Franziska off
01/02/07	2	05:15	-71 14.8151	173 03.7318	04.4	080.7	2210	2165	10276.0	33.935	-00.738	331.5	5288	
01/02/07	2	05:30	-71 14.6187	173 07.0972	04.4	075.7	2163	2117	10277.0	33.942	-00.750	330.2	5363	
01/02/07	2	05:45	-71 14.3893	173 10.4664	04.6	083.6	2102	2054	10278.0	33.944	00.749	328.8	5437	sonobouy 57B deployed ch 12, not working
01/02/07	2	05:48												sonobouy 57B deployed ch 26
01/02/07	2	06:00	-71 14.1774	173 13.8803	04.4	075.9	2116	2074	10278.0	33.925	-00.745	328.8	5512	
01/02/07	2	06:15	-71 13.9183	173 17.0993	04.6	076.7	2146	2100	10277.0	33.867	-00.841	322.7	5586	
01/02/07	2	06:30	-71 13.6954	173 20.6388	04.3	080.5	2187	2147	10271.0	33.838	-00.884	317.8	5663	
01/02/07	2	06:45	-71 13.4601	173 23.9648	04.5	076.3	2210	2158	10264.0	33.852	-00.869	317.5	5736	
01/02/07	2	07:00	-71 13.1323	173 27.2964	04.5	070.3	2244	2196	10257.0	33.854	-00.859	317.7	5813	
01/02/07	2	07:15	-71 12.6434	173 30.4314	04.5	052.8	2271	2215	10254.0	33.853	-00.824	317.9	5886	Off track due to sea ice. Heading north
01/02/07	2	07:30	-71 11.8510	173 32.8437	04.5	025.5	2280	2233	10255.0	33.857	-00.874	317.1	5963	
01/02/07	2	07:36											5995	Stop shooting
01/02/07	2	07:45	-71 10.8275	173 32.8500	04.2	334.1	2282	2231	10263.0	33.865	-00.901	317.1		
01/02/07	2	08:00	-71 10.1207	173 30.7608	03.8	298.0	2265	2217	10268.0	33.857	-00.990	317.8		Lisa's free, Rose on
01/02/07	2	08:15	-71 09.7119	173 23.0655	03.9	291.1	2242	2193	10270.0	33.860	-00.937	316.3		
01/02/07	2	08:30	-71 19.5590	173 25.0644	04.0	272.5	2229	2178	10274.0	33.871	-00.924	318.0		Bird five not communicating
01/02/07	2	08:45	-71 09.5247	173 22.0688	03.7	273.1	2222	2172	10278.0	33.887	-00.934	319.9		
01/02/07	2	09:00	-71 09.7382	173 19.4440	03.1	278.9	2205	2164	10282.0	33.904	-00.922	319.7		
01/02/07	2	09:15	-71 09.3315	173 16.9482	03.3	277.4	2189	2141	10286.0	33.948	-00.933	319.7		
01/02/07	2	09:25												sonobouy 57B deployed ch 22
01/02/07	2	09:30	-71 09.2207	173 14.4897	03.1	278.5	2149	2105	10288.0	33.952	-00.944	327.1		
01/02/07	2	09:45	-71 09.1077	173 12.0291	03.4	277.4	2109	2070	10290.0	33.953	-00.922	327.3		testing GI guns
01/02/07	2	10:00	-71 08.9946	173 09.4409	03.4	278.6	2194	2151	10290.0	33.955	-00.897	326.4		GI guns deployed
01/02/07	2	10:15	-71 08.8605	173 06.8893	03.4	277.5	2276	2229	10288.0	33.946	-00.875	327.1	102	Start firing guns, ramping up
01/02/07	2	10:18												Ramping up, gun two
01/02/07	2	10:21												Ramping up, gun three
01/02/07	2	10:24												Ramping up, gun four
01/02/07	2	10:26												Ramping up, gun five
01/02/07	2	10:30	-71 08.7575	173 03.9029	04.3	275.0	2320	2274	10288.0	33.941	-00.842	327.6	180	
01/02/07	2	10:31												Ramping up, gun six
01/02/07	2	10:45	-71 08.6275	173 00.5365	04.5	278.6	2385	2333	10286.0	33.937	-00.816	327.0	253	
01/02/07	2	11:00	-71 08.4686	172 56.9559	04.7	277.1	2382	2333	10285.0	33.944	-00.836	327.0	328	Marcel off, Roi on
01/02/07	2	11:15	-71 08.3611	172 53.4375	04.5	278.0	2390	2333	10283.0	33.959	-00.813	325.8	402	

01/02/07	2	11:30	-71 08.2068	172 50.0739	04.5	279.1	2384	2341	10281.0		33.969	-00.901	325.5	478	
01/02/07	2	11:45	-71 07.5938	172 47.3007	04.8	331.2	2387	2338	10276.0		33.945	-00.925	324.4	552	
01/02/07	2	12:00	-71 06.5030	172 47.2659	04.6	013.4	2395	2344	10262.0		33.956	-00.903	324.0	629	
01/02/07	2	12:15	-71 05.4630	172 48.6447	04.4	017.2	2400	2348	10257.0		33.976	-00.960	325.1	703	
01/02/07	2	12:30	-71 04.3652	172 46.0640	04.4	008.1	2404	2351	10259.0		34.016	-00.924	325.0	778	
01/02/07	2	12:45	-71 03.2675	172 49.7644	04.4	014.0	2406	2355	10255.0		34.005	-00.948	325.0	854	
01/02/07	2	13:00	-71 02.1977	172 50.5820	04.4	014.6	2391	2342	10252.0		34.000	-00.922	329.1	927	
01/02/07	2	13:15	-71 01.1105	172 51.4380	04.6	015.0	2380	2335	10249.0		34.027	-00.924	332.9	1002	
01/02/07	2	13:30	-71 00.0101	172 52.2968	04.6	015.5	2390	2340	10245.0		34.009	-00.987	333.6	1078	
01/02/07	2	13:45	-70 58.9124	172 53.2333	04.4	014.9	2404	2359	10241.0		34.050	-00.888	332.4	1152	
01/02/07	2	14:00	-70 57.8499	172 54.0782	04.6	014.8	2403	2351	10238.0		34.057	-00.851	337.5	1229	Rose off, Danny on
01/02/07	2	14:15	-70 56.7490	172 54.9930	04.5	014.3	2404	2352	10234.0		34.067	-00.866	337.5	1304	
01/02/07	2	14:30	-70 55.6389	172 55.7748	04.5	012.3	2415	2367	10233.0		34.066	-00.909	338.3	1379	
01/02/07	2	14:45	-70 54.5782	172 56.6125	04.5	011.2	2405	2361	10231.0		34.086	-00.932	340.9	1454	
01/02/07	2	15:00	-70 53.5117	172 57.4997	04.5	017.6	2426	2659	10227.0		34.063	-00.917	338.5	1528	
01/02/07	2	15:15	-70 52.4268	172 58.3649	04.5	013.7	2424	2378	10223.0		34.071	-00.901	339.0	1603	15:17 sonobuoy (57B) ch 30 #10
01/02/07	2	15:30	-70 51.3744	172 59.1550	04.3	013.4	2435	2381	10219.0		34.093	-00.918	342.1	1678	
01/02/07	2	15:45	-70 50.3101	172 29.9854	04.5	014.8	2451	2401	10215.0		34.052	-00.916	339.7	1753	
01/02/07	2	16:00	-70 49.2329	173 00.8505	04.6	041.3	2460	2419	10213.0		34.019	-00.866	339.7	1829	
01/02/07	2	16:15	-70 48.1425	173 01.7715	01.5	012.2	2474	2423	10211.0		34.014	-00.873	335.6	1902	
01/02/07	2	16:30	-70 17.0673	173 02.5369	04.4	015.0	2484	2497	10208.0		34.014	-00.932	335.5	1978	
01/02/07	2	16:45	-70 45.9755	173 03.3582	04.8	011.9	2462	2419	10208.0		34.003	-00.891	336.6	2053	
01/02/07	2	17:00	-70 44.8567	173 04.1995	04.5	013.1	2431	2389	10207.0		34.024	-00.907	337.3	2128	Roi off, Michelle on
01/02/07	2	17:15	-70 43.7869	173 05.1389	04.3	014.2	2402	2563	10208.0		34.027	-00.936	341.0	2205	
01/02/07	2	17:30	-70 42.7169	173 06.0754	04.5	016.5	2382	2337	10206.0		34.026	-00.930	341.0	2279	
01/02/07	2	17:45	-70 41.6611	173 06.9443	04.4	014.2	2384	2336	10208.0		34.035	-00.932	337.7	2353	
01/02/07	2	18:00	-70 40.5556	173 07.6675	04.8	012.7	2420	2370	10208.0		34.037	-00.802	335.2	2428	
01/02/07	2	18:15	-70 39.4547	173 08.4641	04.6	015.8	2462	2409	10211.0		34.097	-00.956	339.3	2503	
01/02/07	2	18:30	-70 38.3647	173 09.2963	04.5	012.3	2424	2377	10209.0		34.081	-00.992	344.6	2578	
01/02/07	2	18:45	-70 37.2940	173 09.8264	04.2	347.0	2444	2667	10214.0		34.084	-00.892	342.3	2653	
01/02/07	2	19:00	-70 36.2219	173 08.7772	04.6	340.8	2439	2392	10213.0		34.100	-00.867	342.0	2728	
		19:06	-70 35.4941	173 08.1317											Sonobuoy 57b, #11, channel 26
01/02/07	2	19:15	-70 35.1672	173 07.8424	04.4	347.6	2449	2383	10210.0		34.119	-00.951	342.0	2803	
01/02/07	2	19:30	-70 34.1112	173 06.9516	04.4	343.7	2449	2404	10210.0		34.105	-00.961	352.3	2879	
01/02/07	2	19:45	-70 33.0716	173 05.9885	04.4	342.2	2501	2053	10206.0		34.109	-00.923	350.8	2953	
01/02/07	2	20:00	-70 32.0274	173 05.0418	04.3	339.9	2516	2460	10205.0		34.101	-00.950	350.4	3029	Dan off
01/02/07	2	20:15	-70 30.9938	173 04.0604	04.4	341.3	2578	2544	10203.0		34.104	-00.996	350.6	3103	Sian on
01/02/07	2	20:30	-70 29.9139	173 03.1201	04.6	343.8	2575	2520	10203.0		34.107	-00.951	351.4	3178	
01/02/07	2	20:45	-70 28.8336	173 02.1213	04.6	344.4	2542	2495	10200.0		34.105	-00.880	351.3	3253	
01/02/07	2	21:00	-70 27.7336	173 01.1178	04.6	343.0	2543	2768	10199.0		34.121	-00.957	351.3	3329	
01/02/07	2	21:15	-70 26.6327	173 00.1025	04.5	343.6	2555	2508	10197.0		34.130	-00.960	356.3	3403	
01/02/07	2	21:30	-70 25.5533	172 59.1412	04.6	344.0	2570	2514	10195.0		34.130	-01.000	357.3	3478	XBT (105) in the water
01/02/07	2	21:45	-70 24.4533	172 58.1305	04.6	343.1	2574	2526	10196.0		34.110	-00.995	357.6	3554	Sonobuoy #12 (channel 12)
01/02/07	2	22:00	-70 23.3533	172 57.1262	04.5	345.0	2577	2527	10194.0		34.132	-00.962	351.2	3784	
01/02/07	2	22:15	-70 22.3155	172 56.3333	04.4	346.9	2573	2526	10192.0		34.112	-00.966	348.6	3704	
01/02/07	2	22:30	-70 21.2704	172 55.3546	04.5	343.5	2573	2515	10193.0		34.114	-00.908	348.3	3779	
01/02/07	2	22:45	-70 20.2075	172 54.3549	04.4	341.7	2584	2531	10192.0		34.188	-00.929	344.7	3853	
01/02/07	2	23:00	-70 19.1331	172 53.3359	04.6	343.9	2648	2852	10192.0		34.119	-00.869	346.3	3928	Michelle off, Franziska on
01/02/07	2	23:15	-70 18.0423	172 52.3553	04.6	342.8	2650	2586	10190.0		34.123	-00.871	346.4	4003	
01/02/07	2	23:30	-70 16.9450	172 51.2567	04.7	341.7	2653	2609	10189.0		34.123	-00.902	346.6	4076	
01/02/07	2	23:45	-70 15.8427	172 50.3192	04.4	344.4	2656	2588	10188.0		34.127	-00.907	346.7	4150	
01/03/07	3	00:00	-70 14.7702	172 49.3726	04.4	342.2	2632	2577	10188.0		34.132	-00.931	347.1	4226	
01/03/07	3	00:15	-70 13.6977	172 48.3856	04.5	343.3	2634	2577	10186.0		34.118	-00.929	347.1	4302	
01/03/07	3	00:30	-70 12.6073	172 47.3914	04.7	344.0	2646	2594	10185.0		34.115	-00.897	345.4	4376	
01/03/07	3	00:45	-70 11.5247	172 46.4520	04.6	343.4	2670	2608	10184.0		34.116	-00.893	344.7	4450	
01/03/07	3	01:00	-70 10.4306	172 45.4239	04.6	342.1	2676	2610	10183.0		34.110	-00.853	344.9	4526	
01/03/07	3	01:04	-70 10.0305	172 45.0467											launched sonobuoy 77 (failed)
01/03/07	3	01:15	-70 09.3370	172 44.4278	04.6	343.3	2677	2616	10181.0		34.117	-00.882	345.3	4600	
01/03/07	3	01:30	-70 08.2430	172 43.4161	04.6	343.2	2660	2627	10180.0		34.113	-00.871	349.6	4676	
01/03/07	3	01:45	-70 07.1434	172 42.4805	04.6	343.5	2679	2637	10179.0		34.117	-00.919	350.4	4751	
01/03/07	3	02:00	-70 06.0338	172 41.5302	04.6	343.0	2697	2648	10178.0		34.101	-00.907	350.4	4826	Sian off, Lisa ob



01/03/07	3	02:15	-70 04.9608	172 40.6000	04.4	342.3		2673	10177.0		34.073	-01.109	359.5	4902	
01/03/07	3	02:21	-70 04.4431	172 40.1019			2712.3								
01/03/07	3	02:25	-70 04.1927	172 39.8483			2712.3								
01/03/07	3	02:30	-70 03.9139	172 39.5316	04.8	342.1	27354	2683	10176.0		34.017	-00.997	362.3	4979	bathy running again
01/03/07	3	02:45	-70 02.7901	172 38.6160	04.6	343.7	2700	2637	10175.0		34.007	-00.998	360.2	5052	
01/03/07	3	03:00	-70 01.7111	172 37.6968	04.5	343.2	2709	2663	10174.0		34.019	-00.785	355.3	5126	
01/03/07	3	03:15	-70 00.6294	172 36.7245	04.6	342.6	2711	2658	10174.0		34.053	-00.983	351.8	5201	
01/03/07	3	03:30	-69 59.5189	172 35.7413	04.3	341.6	2739	2674	10174.0		34.027	-00.970	351.8	5276	
01/03/07	3	03:45	-69 58.4894	172 34.7543	04.2	342.9	2757	2701	10173.0		34.023	-00.943	361.2	5351	
01/03/07	3	04:00	-69 57.4850	172 33.8205	04.7	342.8	2757	2708	10172.0		34.086	-01.106	359.2	5429	
01/03/07	3	04:15	-69 56.4185	172 32.8986	04.6	344.2	2758	2708	10171.0		33.896	-01.142	378.0	5502	
01/03/07	3	04:30	-69 55.3349	172 32.0215	04.4	342.3	2796	2745	10171.0		33.904	-01.194	380.3	5577	
01/03/07	3	04:45	-69 54.2876	172 31.0812	04.4	342.9	2784	2731	10171.0		33.865	-01.196	383.1	5652	
01/03/07	3	05:00	-69 53.2260	172 30.1675	04.4	343.7	2764	2711	10171.0		33.857	-01.195	383.9	5726	
01/03/07	3	05:15	-69 52.1773	172 29.2273	04.5	343.7	2743	2689	10173.0		33.853	-01.177	383.9	5801	changed paper in hydrophone log
01/03/07	3	05:30	-69 51.1295	172 28.3466	04.5	344.0	2770	2723	10174.0		33.851	-01.138	382.3	5875	
01/03/07	3	05:45	-69 59.9684	172 27.4438	04.4	342.3	2761	2712	10176.0		33.870	-01.153	380.8	5951	
01/03/07	3	06:00	-69 49.0283	172 26.4626	04.3	342.1	2525	2314	10179.0		33.890	-01.192	375.8	6026	
01/03/07	3	06:15	-69 47.9901	172 25.5716	04.5	344.7	2626	2642	10179.0		33.897	-01.253	369.4	6100	
01/03/07	3	06:30	-69 46.9148	172 24.6871	04.5	342.9	2741	1688	10180.0		33.899	-01.274	366.6	6176	
01/03/07	3	06:45	-69 45.8423	172 23.7094	04.5	342.3	2706	2676	10180.0		33.886	-01.300	365.8	6253	
01/03/07	3	07:00	-69 44.7890	172 22.7710	04.5	343.0	2665	2669	10181.0		33.876	-01.270	365.8	6325	Guns shut off
01/03/07	3	07:15	-69 44.0941	172 22.0422	02.8	334.2	2747	2691	10181.0		33.869	-01.244	367.2		
01/03/07	3	07:30	-69 43.5535	172 20.5563	03.4	296.3	2746	2692	10183.0		33.859	-01.283	365.8		
01/03/07	3	07:45	-69 43.4161	172 18.1347	03.4	263.9	2736	2695	10175.0		33.865	-01.321	365.0		
01/03/07	3	08:00	-69 43.7445	172 15.9402	02.7	235.0	2730	2676	10162.0		33.857	-01.328	361.8		Lisa off, Rose on
01/03/07	3	08:15	-69 44.1220	172 14.5212	02.5	229.3	2744	2683	10155.0		33.864	-01.303	360.1		
01/03/07	3	08:30	-69 44.5120	172 13.1149	02.5	231.7	2750	2695	10152.0		33.869	-01.356	360.1		
01/03/07	3	08:45	-69 44.9034	172 11.7609	02.5	230.1	2778	2697	10149.0		33.879	-01.293	360.6		
01/03/07	3	08:54													Streamer on board
01/03/07	3	09:00	-69 45.3539	172 10.0708	06.4	232.4	2772	2715	10149.0		33.874	-01.235	360.1		
01/03/07	3	09:15	-69 46.4420	172 06.0809	07.2	231.7	2699	2651	10160.0		33.901	-01.326	361.4		
01/03/07	3	09:30	-69 47.5488	172 01.9254	07.2	232.2	2676	2625	10166.0		33.894	-01.222	361.8		
01/03/07	3	09:45	-69 48.6964	171 57.4255	08.0	230.6	2695	2642	10180.0		33.901	-01.186	360.1		
01/03/07	3	10:00	-69 49.9489	171 52.9422	08.1	229.0	2360	2336	10208.0		33.895	-01.071	356.7		
01/03/07	3	10:11	-69 50.3984	171 51.0645				1963							Dredge location D01; Adare Trough Scarp, West side, heading 270
01/03/07	3	10:15	-69 50.4135	171 51.1432	00.2	264.9	1933	1978	10225.0		33.882	-01.174	356.7		
01/03/07	3	10:25													Dredge in water
01/03/07	3	10:30	-69 50.3975	171 50.9271	00.1	113.3	1945	1937	10228.0		33.913	-01.237	340.0		
01/03/07	3	10:45	-69 50.3975	171 50.9280	00.1	179.2	1994	1941	10228.0		33.879	-01.102	339.4		
01/03/07	3	11:00	-69 50.3975	171 50.9280	00.0	133.8	1964	1942	10228.0		33.889	-01.121	339.3		
01/03/07	3	11:15	-69 59.3975	171 50.9290	00.0	199.8	1945	1942	10228.0		33.875	-01.172	340.0		
01/03/07	3	11:26	-69 50.3975	171 50.9290				1944							Dredge in bottom; wire out: 1955m
01/03/07	3	11:30	-69 50.3979	171 50.8704	00.7	270.3	1937	1925	10228.0		33.892	-01.106	340.5		
01/03/07	3	11:40	-69 50.3979	171 50.5820				1884							Start dredging
01/03/07	3	11:45	-69 50.3979	171 50.5701	00.1	045.2	1914	1833	10232.0		33.877	-01.111	340.5		
01/03/07	3	12:00	-69 50.3979	171 50.5829	00.0	192.3	1888	1841	10231.0		33.907	-01.301	340.1		
01/03/07	3	12:15	-69 50.3989	171 50.2954	00.6	273.5	1359	16554	10234.0		33.900	-01.143	342.1		
01/03/07	3	12:26	-69 50.3989	171 50.2103				1627							Tension 5200
01/03/07	3	12:30	-69 50.3993	171 50.2112	00.1	250.7	1333	1630	10234.0		33.877	-01.186	339.4		
01/03/07	3	12:45	-69 50.3989	171 50.2130	00.0	281.8	1332	1613	10234.0		33.879	-01.153	338.9		
01/03/07	3	13:00	-69 50.3998	171 49.8688	00.6	273.2	1241	1441	10238.0		33.876	-01.130	339.0		
		13:13	-69 50.4002	171 49.8550				1435							Tension 9200
01/03/07	3	13:15	-69 50.4002	171 49.8550	00.0	240.0	1522	1438	10238.0		33.878	-01.174	337.7		
01/03/07	3	13:30	-69 50.3998	171 49.8569	00.0	204.9	1476	1446	10237.0		33.881	-01.184	337.7		
		13:31	-69 50.3998	171 49.8569				1420							Dredge off bottom; Wire out: 1285
01/03/07	3	13:45	-69 50.3998	171 49.8578	00.1	179.1	1533	1443	10237.0		33.878	-01.197	335.9		
01/03/07	3	14:00	-69 50.4002	171 49.8578	00.1	313.6	1390	1442	10237.0		33.878	-01.202	335.5		
01/03/07	3	14:15	-69 50.4002	171 49.8578	00.1	266.4	1584	1600	10237.0		33.879	-01.235	334.3		
01/03/07	3	14:30	-69 51.0086	171 50.1654	08.9	167.5	1196	1396	10237.0		33863	-01.107	333.6		
01/03/07	3	14:45	-69516714	171 50.6662	00.1	053.6	2568	1527	10239.0		33.909	-01.153	335.1		69 51.6724

01/03/07	3	15:00	-69 51.6719	171 50.6662	00.0	161.6	1575	1527	10240.0		33.907	-01.157	335.6	
		15:03	-69 51.6719	171 50.6662										Ping is active
01/03/07	3	15:15	-69 51.6724	171 50.6653	00.0	355.5	1574	1575	10240.0		33.909	-01.165	335.6	
01/03/07	3	15:30	-69 51.6719	171 50.6662	00.0	059.9	1570	1526	10240.0		33.904	-01.165	334.2	dredge on bottom
01/03/07	3	15:45	-69 51.6747	171 50.3476	00.5	265.0	1453	1448	10243.0		33.909	-01.155	333.9	
01/03/07	3	16:00	-69 51.6760	171 50.2597	00.1	223.4	1440	1436	10243.0		33.905	-01.168	333.2	
01/03/07	3	16:15	-69 51.6783	171 50.0967	00.5	270.3	1450	1339	10245.0		33.907	-01.169	332.7	
01/03/07	3	16:30	-69 51.6801	171 49.9612	00.0	040.9	1224	1271	10246.0		33.906	-01.177	332.2	
01/03/07	3	16:45	-69 51.6801	171 49.8944	00.4	271.3	1177	1226	10246.0		33.911	-01.175	332.1	
01/03/07	3	17:00	-69 51.6820	171 49.7095	00.0	316.2	1151	1133	10248.0		33.907	-01.172	331.0	
01/03/07	3	17:15	-69 51.6833	171 49.5328	00.2	275.0	1153	1128	10250.0		33.906	-01.184	331.0	
01/03/07	3	17:30	-69 51.6833	171 49.5355	00.1	248.5	1152	1128	10249.0		33.909	-01.193	330.5	
01/03/07	3	17:45	-69 51.6833	171 49.5374	00.0	152.7	1152	1126	10249.0		33.908	-01.202	330.0	
01/03/07	3	18:00	-69 51.6829	171 49.5374	00.1	124.9	1152	1127	10249.0		33.913	-01.208	329.9	
01/03/07	3	18:15	-69 51.2059	171 49.8779	09.9	029.7	1164	1240	10249.0		33.912	-01.067	330.0	
01/03/07	3	18:30	-69 48.8434	171 53.2462	10.8	024.1	571	2496	10198.0		33.882	-01.182	330.0	
01/03/07	3	18:45	-69 46.3408	171 56.5283	10.3	023.5	2631	2581	10161.0		33.908	-01.331	349.3	
01/03/07	3	19:00	-69 44.0501	171 59.4553	09.4	023.5	2655	2595	10149.0		33.898	-01.428	359.2	
01/03/07	3	19:15	-69 43.1090	172 00.5484	02.1	056.0	2671	2621	10156.0		33.866	-01.518	364.5	
01/03/07	3	19:30	-69 44.0177	172 00.6052	08.4	183.5	2688	2495	10158.0		33.830	-01.419	364.0	
03/90/85	3	19:34	-69 44.5779	172 00.4816										XBT 106 in the water
01/03/07	3	19:45	-69 45.5763	172 00.2499	08.4	184.1	2592	2532	11580.0		33.878	-01.342	363.7	
01/03/07	3	20:00	-69 47.9778	171 59.7061	10.3	184.9	2654	2606	10160.0		33.891	-01.248	361.8	
01/03/07	3	20:15	-69 50.2995	171 56.2418	11.2	223.6	2693	2639	10192.0		33.896	-01.119	361.8	Danny Off, Sian On
01/03/07	3	20:30	-69 52.5948	171 51.7154	11.2	204.4	1979	1888	10137.0		33.895	-01.069	339.6	
01/03/07	3	20:45	-69 55.2031	171 49.8514	11.1	174.2	1274	1256	10269.0		33.937	-01.035	342.4	
01/03/07	3	21:00	-69 57.2488	171 51.0919	04.2	168.4	1574	2977	10260.0		33.938	-00.999	346.8	
01/03/07	3	21:15	-69 58.1017	171 52.6932	05.4	131.1	1638	1598	10256.0		33.911	-01.117	340.8	
01/03/07	3	21:30	-69 59.0556	171 56.0825	06.3	126.8	1201	1180	10251.0		33.957	-00.830	350.4	
01/03/07	3	21:45	-69 59.8407	171 59.0881	03.8	124.4	1417	1426	10249.0		33.956	-00.965	350.4	
01/03/07	3	22:00	-69 59.9876	171 59.6017	00.3	176.0	1516	1505	10249.0		33.013	-01.026	347.7	
		22:03	-70 00.0087	171 59.6109			1524	1513						dredge started
01/03/07	3	22:15	-70 00.0142	171 59.5651	00.2	255.1	1518	1513	10250.0		34.015	-00.931	343.1	
01/03/07	3	22:30	-70 00.0137	171 59.5386	00.1	106.6	1516	1502	10250.0		33.996	-00.988	350.7	
01/03/07	3	22:45	-70 00.0146	171 59.5157	00.3	277.7	1516	1505	10250.0		33.962	-00.996	359.6	
01/03/07	3	23:00	-70 00.0137	171 59.2017	00.5	269.1	1502	1452	10253.0		33.925	-00.987	372.6	Michelle off, Franziska on
01/03/07	3	23:15	-70 00.0137	171 59.1687	00.7	273.0	1510	1453	10253.0		33.928	-01.014	374.0	
01/03/07	3	23:30	-70 00.0174	171 58.8144	00.1	321.8	1212	1211	10257.0		33.939	-00.989	374.0	
01/03/07	3	23:45	-70 00.0169	171 58.8025	00.4	270.9	1240	1198	10256.0		33.944	-00.947	372.0	
01/04/07	4	00:00	-70 00.0206	171 58.6194	00.0	165.2	1060	1147	10258.0		33.979	-00.925	372.4	
01/04/07	4	00:15	-70 00.0206	171 58.6212	00.1	153.5	1060	1150	10258.0		33.970	-00.783	372.1	
01/04/07	4	00:30	-70 00.0233	171 58.4381	00.5	262.6	1055	1047	10260.0		34.003	-00.863	369.4	
01/04/07	4	00:45	-70 00.0256	171 58.3392	00.1	045.1	1052	1001	10260.0		34.009	-00.815	348.1	
01/04/07	4	01:00	-70 00.0256	171 58.3411	00.0	228.3	1048	999	10260.0		34.010	-00.622	348.1	
01/04/07	4	01:15	-70 00.0256	171 58.3420	00.1	012.0	1055	1004	10260.0		34.025	-00.770	341.1	
01/04/07	4	01:30	-70 00.0252	171 58.3420	00.1	250.7	986	1004	10260.0		34.004	-00.691	338.7	dredge ended
01/04/07	4	01:45	-70 00.7979	172 02.0050	11.1	119.6	1897	2029	10225.0		33.988	-00.631	344.1	
01/04/07	4	02:00	-70 02.1657	172 08.9255	11.0	121.3	2694	2640	10171.0		34.053	-00.486	341.8	Sian off, Lisa on
01/04/07	4	02:15	-70 03.6365	172 15.9778	10.9	121.5	2655	2583	10144.0		34.049	-00.500	344.2	
01/04/07	4	02:30	-70 04.1949	172 18.9999	00.6	164.0	2726	2414	10155.0		34.073	-00.835	346.4	
01/04/07	4	02:45	-70 04.2009	172 18.9844	00.1	127.5	785	2401	10162.0		34.044	-00.654	346.4	bathy wrong
01/04/07	4	03:00	-70 04.2009	172 18.9587	00.1	324.7	1347	2397	10162.0		34.052	-00.622	348.2	bathy wrong
01/04/07	4	03:15	-70 04.2009	172 18.9597	00.1	237.2	2370	2385	10126.0		34.049	-00.515	347.8	
01/04/07	4	03:30	-70 04.2014	172 18.9587	00.0	237.4	1659	2383	10162.0		34.043	-00.603	348.7	
01/04/07	4	03:45	-70 04.1789	172 18.6053	00.6	275.6	1370	2281	10164.0		34.030	-00.527	348.4	
01/04/07	4	04:00	-70 04.1693	172 18.4698	00.1	234.5	2372	2227	10163.0		34.041	-00.725	347.6	
01/04/07	4	04:15	-70 04.1602	172 18.3215	00.5	281.4	2372	2151	10164.0		34.046	-00.622	347.1	
01/04/07	4	04:30	-70 04.1487	172 18.1494	00.1	017.8	2064	2090	10164.0		34.036	-00.712	347.1	
01/04/07	4	04:45	-70 04.1386	172 17.9938	00.5	280.1	2057	2037	10165.0		34.040	-00.564	347.5	
01/04/07	4	05:00	-70 04.1345	172 17.9333	00.0	014.9	2043	2033	10164.0		34.045	-00.656	347.8	Franziska off, Marcel on
01/04/07	4	05:15	-70 04.1345	172 17.9343	00.1	347.2	2042	2059	10165.0		34.053	-00.715	348.5	

01/04/07	4	05:30	-70 04.1359	172 17.9352	00.1	178.8	1802	2017	10164.0		34.044	-00.712	347.7	
01/04/07	4	05:45	-70 04.1345	172 17.9352	00.0	285.4	2046	2019	10165.0		34.047	-00.586	346.6	
01/04/07	4	06:00	-70 04.1345	172 17.9352	00.1	134.9	2040	2033	10165.0		34.048	-00.590	348.0	
01/04/07	4	06:07												Dredge on deck
01/04/07	4	06:15	-70 04.1345	172 17.9352	01.5	346.2	2046	2011	10165.0		34.048	-00.610	350.0	
01/04/07	4	06:30	-70 03.8521	172 22.8305	10.3	075.1	2664	2619	10133.0		34.047	-00.581	350.5	
01/04/07	4	06:45	-70 03.1581	172 30.0558	10.3	076.2	2743	2688	10126.0		33.969	-00.426	367.6	
01/04/07	4	07:00	-70 02.9022	172 33.1293	00.1	095.7	2738	2693	10155.0		34.050	-00.549	361.9	
01/04/07	4	07:15	-70 02.8555	172 30.1550	06.7	074.8	2756	2688	10154.0		34.014	-00.353	358.3	
01/04/07	4	07:30	-70 02.2934	172 39.9124	10.0	074.1	2714	2651	10146.0		34.008	-00.653	359.0	
01/04/07	4	07:45	-70 01.6196	172 47.0544	10.7	075.0	1993	1952	10182.0		33.991	-00.881	364.5	
01/04/07	4	08:00	-70 00.9489	172 54.5847	10.7	075.1	1905	1862	10182.0		33.916	-00.969	379.4	Lisa off, Rose on
01/04/07	4	08:15	-70 00.2275	173 02.0691	10.7	074.6	2158	2112	10221.0		33.929	-01.041	381.4	
01/04/07	4	08:30	-70 00.3607	173 09.6432	10.6	100.3	2225	2174	10220.0		33.982	-00.717	376.5	
01/04/07	4	08:45	-70 00.8167	173 17.2705	10.7	099.3	2290	2242	10219.0		33.977	-00.815	372.2	
01/04/07	4	09:00	-70 01.2502	173 24.9474	10.7	100.3	2354	2310	10220.0		33.990	-00.750	372.2	
01/04/07	4	09:15	-70 01.7166	173 32.7246	10.8	100.0	2434	2390	10216.0		33.957	-00.709	369.7	
01/04/07	4	09:30	-70 02.2037	173 40.4205	10.8	100.3	2481	2433	10210.0		33.917	-00.943	360.2	
01/04/07	4	09:45	-70 02.6852	173 48.1329	10.8	100.4	2554	2509	10204.0		33.890	-01.109	372.5	
01/04/07	4	10:00	-70 03.1709	173 56.2335	11.0	099.9	2673	2624	10202.0		33.882	-01.105	386.6	
01/04/07	4	10:15	-70 03.6008	174 03.8690	10.8	093.8	2731	2678	10202.0		33.892	-01.082	388.3	
01/04/07	4	10:30	-70 03.6690	174 11.5073	10.7	092.1	2791	2743	10200.0		33.875	-00.944	388.3	
01/04/07	4	10:45	-70 03.2579	174 18.4808	04.8	095.0	2858	2808	10201.0		33.863	-01.030	395.1	
01/04/07	4	11:00	-70 03.9853	174 23.6215	10.7	115.6	2856	2807	10205.0		33.866	-00.865	394.5	Marcel off, Roi on
01/04/07	4	11:15	-70 04.9777	174 30.4534	10.4	106.9	2794	2750	10202.0		33.804	-01.047	392.1	
01/04/07	4	11:30	-70 05.4950	174 36.7245	07.0	104.4	2758	2707	10212.0		33.769	-01.006	392.6	
01/04/07	4	11:45	-70 06.1198	174 43.8327	11.0	105.6	2856	2808	10193.0		33.779	-00.942	391.4	
01/04/07	4	12:00	-70 06.8408	174 51.6623	10.9	105.5	3171	3117	10185.0		33.747	-00.970	390.7	
01/04/07	4	12:15	-70 07.4767	174 58.6945	05.1	073.4	3146	3094	10188.0		33.732	-00.929	390.7	
01/04/07	4	12:30	-70 06.6444	175 05.3549	11.0	068.3	3175	3123	10188.0		33.734	-00.944	388.4	
01/04/07	4	12:45	-70 05.5559	175 12.7588	11.1	066.2	3170	3119	10189.0		33.742	-01.086	390.1	
01/04/07	4	13:00	-70 04.4325	175 20.1929	11.2	069.0	3180	3127	10188.0		33.756	-01.077	388.7	
01/04/07	4	13:15	-70 03.2840	175 27.7029	11.2	065.8	3190	3139	10186.0		33.775	-01.139	388.8	
01/04/07	4	13:30	-70 02.2581	175 34.8083	07.5	064.5	3206	3165	10185.0		33.830	-01.285	389.1	
01/04/07	4	13:45	-70 01.5862	175 39.2715	07.1	067.6	3232	3177	10195.0		33.757	-01.416	389.4	
01/04/07	4	14:00	-70 00.8867	175 44.0753	07.2	067.0	3397	3319	10193.0		33.712	-01.524	383.7	
01/04/07	4	14:15	-70 00.1488	175 49.0182	04.6	067.4	2254	3183	10197.0		33.578	-01.679	374.7	
01/04/07	4	14:30	-69 59.5866	175 53.1866	07.3	067.5	3179	1332	10203.0		33.555	-01.705	373.8	
01/04/07	4	14:45	-69 58.9746	175 57.8879	07.3	071.0	2547	1652	10213.0		33.543	-01.745	372.3	
01/04/07	4	15:00	-69 58.1978	176 02.5919	08.0	056.3	2062	2026	10232.0		33.573	-01.657	374.8	
01/04/07	4	15:15	-69 56.5778	176 04.0750	05.1	017.2	1530	1432	10269.0		33.633	-01.521	373.8	
01/04/07	4	15:30	-69 55.1669	176 04.7260	05.4	011.4	1296	2338	10280.0		33.578	-01.574	373.8	
01/04/07	4	15:45	-69 55.2663	176 07.2903	06.1	121.7	853	2231	10273.0		33.547	-01.612	372.4	
01/04/07	4	15:55	-69 55.0497	176 10.8060										15:55 xbt 107-successful
01/04/07	4	16:00	-69 54.9001	176 11.3956	05.1	053.9	1319	1380	10274.0		33.640	-01.446	373.3	
01/04/07	4	16:15	-69 53.5735	176 12.4512	06.7	021.6	1975	2379	10264.0		33.615	01.499	375.4	
01/04/07	4	16:30	-69 52.7966	176 14.5294	04.6	055.9	880	2533	10232.0		33.628	-01.422	375.4	
01/04/07	4	16:45	-69 53.4416	176 18.4553	06.5	119.3	2162	1970	10222.0		33.634	-01.440	377.6	
01/04/07	4	17:00	-69 54.1063	176 17.7072	04.8	271.9	2016	1909	10245.0		33.657	-01.467	377.6	
01/04/07	4	17:15	-69 54.0271	176 12.9245	04.1	253.3	2064	2058	10275.0		33.654	-01.511	377.6	
01/04/07	4	17:30	-69 55.1230	176 14.4533	07.1	102.8	1379	1422	10260.0		33.655	-01.432	375.9	
01/04/07	4	17:45	-69 56.9463	176 15.5493	08.7	208.5	1700	1833	10261.0		33.666	-01.366	375.9	
01/04/07	4	18:00	-69 58.4862	176 11.6299	09.0	231.9	1438	1549	10285.0		33.672	-01.348	375.2	
01/04/07	4	18:15	-69 58.2642	176 10.2576	07.1	009.2	1329	2703	10260.0		33.667	-01.300	378.3	
01/04/07	4	18:30	-69 56.3040	176 11.9421	00.9	000.9	836	846	10286.0		33.662	-01.421	377.8	
01/04/07	4	18:45	-69 56.4656	176 10.1724	04.7	257.6	627	608	10303.0		33.663	-01.399	377.8	
01/04/07	4	19:00	-69 57.1156	176 07.1933	06.3	195.8	978	1025	10297.0		33.693	-01.390	375.4	
01/04/07	4	19:15	-69 58.2413	176 09.6652	05.6	144.9	1291	1229	10274.0		33.679	-01.337	376.9	
01/04/07	4	19:30	-69 59.4841	176 11.8579	05.4	151.0	2013	2281	10252.0		33.697	-01.268	378.4	
01/04/07	4	19:45	-70 00.6798	176 13.4692	05.3	162.5	2771	2715	10234.0		33.659	-01.363	378.7	
01/04/07	4	20:00	-70 02.0934	176 14.9835	05.9	164.9	3155	3164	10219.0		33.681	-01.398	378.9	Dan off, Sian on

01/04/07	4	20:15	-70 03.5010	176 15.8102	05.7	160.7	3332	3277	10216.0		33.685	-01.372	378.4		
01/04/07	4	20:30	-70 04.8335	176 16.5353	05.6	177.4	3148	3139	10217.0		33.694	-01.396	378.4		
01/04/07	4	20:45	-70 06.0196	176 18.4909	04.8	151.5	1742	3430	10207.0		33.687	-01.330	377.8		
01/04/07	4	21:00	-70 06.5845	176 19.4897	01.5	120.4	3342	3282	10212.0		33.697	-01.369	375.4		
01/04/07	4	21:15	-70 07.1517	176 20.2441	03.1	154.5	3344	3279	10212.0		33.691	-01.273	374.7		
01/04/07	4	21:30	-70 07.9376	176 21.1395	04.3	166.2	3354	3302	10212.0		33.705	-01.263	374.8		
01/04/07	4	21:45	-70 09.0697	176 21.6110	04.4	172.7	3353	3265	10214.0		33.724	-01.336	375.4		
01/04/07	4	22:00	-70 10.2177	176 22.1622	05.1	171.8	3283	3231	10214.0		33.679	-01.300	375.2		
01/04/07	4	22:15	-70 11.4592	176 22.6501	05.2	172.1	3285	3232	10215.0		33.703	-01.250	375.2		
01/04/07	4	22:30	-70 12.7226	176 23.0548	04.4	178.4	3301	3439	10216.0		33.723	-01.269	375.1		
01/04/07	4	22:45	-70 13.9609	176 23.1894	04.3	174.7	1669	3515	10218.0		33.701	-01.206	372.8		
01/04/07	4	23:00	-70 15.1131	176 22.2922	06.4	205.3	3229	3180	10225.0		33.646	-01.281	371.7		Michelle off, Franziska on
01/04/07	4	23:15	-70 16.5848	176 20.2313	06.4	206.3	3170	3161	10226.0		33.604	-01.360	373.0		
01/04/07	4	23:30	-70 18.1952	176 18.0936	07.1	203.0	3183	3134	10227.0		33.575	-01.490	366.5		
01/04/07	4	23:45	-70 20.0519	176 15.6509	06.5	205.9	3155	3108	10231.0		33.634	-01.297	366.5		
01/05/07	5	00:00	-70 21.5895	176 13.4427	06.6	202.8	2989	3045	10231.0		33.636	-01.400	374.6		
01/05/07	5	00:15	-70 23.1454	176 11.7114	08.0	205.2	3046	2998	10231.0		33.657	-01.354	371.9		
01/05/07	5	00:30	-70 24.7820	176 09.7000	07.2	194.5	2974	2927	10236.0		33.580	-01.530	374.6		
01/05/07	5	00:45	-70 26.3722	176 07.8900	05.7	224.5	2926	2881	10239.0		33.582	-01.449	371.6		
01/05/07	5	01:00	-70 27.5377	176 05.9821	07.8	203.9	2881	2832	10234.0		33.497	-01.525	368.6		
01/05/07	5	01:15	-70 29.7212	176 03.1668	10.5	202.2	2805	2755	10245.0		33.600	-01.320	368.0		
01/05/07	5	01:30	-70 32.1144	175 59.9387	10.4	204.7	2721	2668	10248.0		33.640	-01.190	368.0		
01/05/07	5	01:45	-70 34.4307	175 56.7133	10.2	204.6	2604	2555	10251.0		33.665	-01.236	373.6		
01/05/07	5	02:00	-70 36.7342	175 53.5620	10.1	203.3	2531	2483	10256.0		33.645	-01.185	371.9		Sian off, Lisa on
01/05/07	5	02:15	-70 38.4988	175 51.1617	10.0	205.2	2522	2464	10257.0		33.634	-01.237	371.4		
01/05/07	5	02:30	-70 40.8128	175 48.3344	10.0	200.0	2528	2498	10257.0		33.711	-01.259	371.5		
01/05/07	5	02:45	-70 43.1767	175 45.5045	10.0	202.4	2551	2510	10261.0		33.768	-01.185	373.4		
01/05/07	5	03:00	-70 45.2621	175 42.6489	10.0	205.3	2592	2541	10262.0		33.782	-01.200	374.0		
01/05/07	5	03:15	-70 47.5113	175 39.2880	10.2	206.0	2551	2521	10266.0		33.802	-01.207	379.2		
01/05/07	5	03:30	-70 49.6861	175 36.3913	10.2	202.2	2521	2472	10267.0		33.820	-01.220	377.0		
01/05/07	5	03:45	-70 52.0322	175 33.2510	10.5	209.8	2476	2427	10271.0		33.855	-01.204	356.7		
01/05/07	5	04:00	-70 54.1571	175 30.1456	10.3	200.3	2515	2466	10274.0		33.852	-01.189	357.1		
01/05/07	5	04:15	-70 56.1214	175 27.8696	08.4	201.2	2527	2484	10273.0		33.792	-01.208	352.9		
01/05/07	5	04:30	-70 57.8613	175 25.9415	05.2	182.9	3910	2889	10280.0		33.789	-01.278	344.5		bathy wrong
01/05/07	5	04:45	-70 59.3770	175 22.4899	10.4	224.4	2594	2547	10289.0		33.777	-01.211	344.5		
01/05/07	5	05:00	-71 01.6672	175 19.1858	10.5	192.6	2516	2466	10286.0		33.817	-01.154	349.1		Franziska off
01/05/07	5	05:15	-71 02.9961	175 20.3476	06.6	131.0	2469	2425	10274.0		33.723	-01.215	344.6		
01/05/07	5	05:30	-71 04.1524	175 19.7552	04.5	203.1	2438	2389	10288.0		33.773	-01.131	339.7		
01/05/07	5	05:45	-71 05.3174	175 16.1023	07.8	234.5	2436	2392	10303.0		33.785	-01.188	341.5		
01/05/07	5	06:00	-71 06.9173	175 12.4823	05.3	212.8	2427	2376	10299.0		33.716	-01.232	334.3		
01/05/07	5	06:15	-71 08.4059	175 10.5605	07.6	234.7	2412	2360	10297.0		33.715	-01.301	330.3		
01/05/07	5	06:30	-71 09.6625	175 08.0090	05.9	226.2	2393	2340	10300.0		33.678	-01.474	330.3		
01/05/07	5	06:45	-71 11.3243	175 06.0004	07.7	194.5	2374	2330	10300.0		33.741	-01.332	327.4		
01/05/07	5	07:00	-71 12.7103	175 03.2620	08.2	265.8	2373	2327	10315.0		33.758	-01.284	332.0		
01/05/07	5	07:15	-71 12.9895	174 57.0438	08.2	261.9	2380	2330	10324.0		33.746	-01.296	332.4		
01/05/07	5	07:30	-71 13.2976	174 50.6927	08.4	260.6	2413	2366	10324.0		33.780	-01.238	335.2		
01/05/07	5	07:45	-71 13.1818	174 48.1586	08.5	071.9	2377	2326	10296.0		33.820	-01.253	332.9		
01/05/07	5	08:00	-71 12.5221	174 54.4400	08.5	071.6	2426	2372	10277.0		33.802	-01.245	332.5		Lisa off, Rose on
01/05/07	5	08:15	-71 11.8488	175 00.4697	08.5	070.1	2402	2382	10278.0		33.764	-01.291	335.3		
01/05/07	5	08:30	-71 11.6409	175 06.4087	07.2	170.4	2373	2327	10276.0		33.770	-01.390	335.0		
01/05/07	5	08:38													Deploying streamer
01/05/07	5	08:45	-71 12.6933	175 05.0612	02.3	215.0	2364	2318	10303.0		33.764	-01.326	332.3		
01/05/07	5	09:00	-71 13.1950	175 04.0997	02.3	214.8	2364	2315	10302.0		33.764	-01.323	331.2		Bird 11 fails communication
01/05/07	5	09:15	-71 13.5567	175 03.1155	02.0	233.2	2401	2354	10303.0		33.776	-01.260	331.6		Bird 10, 11, 12 communicating
01/05/07	5	09:30	-71 14.0039	175 01.9958	02.9	197.8	2373	2323	10304.0		33.745	-01.283	331.7		
01/05/07	5	09:45	-71 14.5967	175 01.2936	02.4	191.8	2364	2318	10302.0		33.762	-01.267	331.7		
01/05/07	5	10:00	-71 15.2467	175 00.8826	02.8	194.2	2347	2298	10302.0		33.764	-01.289	329.3		Streamer deployed; all birds communicating except 5
01/05/07	5	10:15	-71 15.9224	175 00.6244	03.2	189.6	2340	2292	10302.0		33.749	-01.307	327.6		Bird 5 communicating
01/05/07	5	10:30	-71 16.8063	175 00.2179	03.4	191.2	2334	2289	10303.0		33.760	-01.284	327.2		Sonobuoy launched #14; 57b, channel 22
01/05/07	5	10:45	-71 17.5983	174 59.7327	03.8	193.8	2330	2284	10304.0		33.758	-01.295	328.1		
01/05/07	5	11:00	-71 18.4593	174 59.1541	03.5	190.4	2336	2288	10304.0		33.786	-01.225	332.0		Marcel off, Roi on

01/05/07	5	11:15	-71 19.3208	174 58.4235	04.2	212.3	2337	2290	10305.0		33.795	-01.185	334.3		
01/05/07	5	11:30	-71 19.8578	174 55.3922	04.2	266.2	2567	2451	10318.0		33.821	-01.215	334.3	132	turn finished;
01/05/07	5	11:45	-71 20.0230	174 52.0294	04.6	264.4	2350	2309	10317.0		33.812	-01.202	334.9	211	
01/05/07	5	12:00	-71 20.1260	174 48.5120	04.4	267.5	2325	2277	10318.0		33.828	-01.230	335.9	287	
01/05/07	5	12:15	-71 20.2689	174 45.0101	04.3	258.2	2322	2273	10314.0		33.805	-01.278	332.6	361	
01/05/07	5	12:30	-71 20.4121	174 41.5128	04.6	262.4	2293	2247	10314.0		33.802	-01.293	330.5	438	sonobouy #15 deployed - failed.
01/05/07	5	12:35													sonobouy #16 deployed - good signal! Chanel 26
01/05/07	5	12:45	-71 20.5385	174 37.9623	04.6	263.0	2285	2240	10316.0		33.800	-01.266	329.0	512	
01/05/07	5	13:00	-71 20.6502	174 34.4962	04.5	257.5	2278	2230	10313.0		33.814	-01.252	329.0	588	
01/05/07	5	13:15	-71 20.8232	174 31.1343	04.4	260.9	2455	2355	10311.0		33.814	-01.237	326.1	663	
01/05/07	5	13:30	-71 20.9454	174 27.6782	04.6	256.6	2249	2386	10309.0		33.810	-01.210	327.5	737	
01/05/07	5	13:45	-71 21.1189	174 24.1086	04.7	268.3	2265	1806	10307.0		33.803	-01.222	325.8	812	
01/05/07	5	14:00	-71 21.2091	174 20.6973	04.3	276.8	2267	2640	10307.0		33.813	-01.236	321.0	885	Rose off, Danny on
01/05/07	5	14:15	-71 21.2714	174 17.2421	04.4	259.9	2251	2494	10302.0		33.825	-01.264	319.6	962	
01/05/07	5	14:30	-71 21.4970	174 13.6670	04.4	261.3	2247	2503	10304.0		33.817	-01.216	322.4	1038	
01/05/07	5	14:45	-71 21.6115	174 10.1889	04.7	264.5	2232	2186	10300.0		33.812	-01.204	322.4	1113	
01/05/07	5	15:00	-71 21.7630	174 06.7465	04.7	256.3	2328	2153	10297.0		33.805	-01.167	315.6	1189	
01/05/07	5	15:15	-71 21.9205	174 03.3490	04.4	264.2	2168	2113	10298.0		33.807	-01.121	314.7	1262	
01/05/07	5	15:30	-71 22.0358	173 59.7775	04.5	262.4	2176	2130	10292.0		33.794	-01.146	313.6	1339	
01/05/07	5	15:45	-71 22.3192	173 56.5549	04.4	255.0	2197	2146	10288.0		33.768	-01.158	311.8	1413	
01/05/07	5	16:00	-71 22.5732	173 53.3359	04.4	255.2	2204	2185	10286.0		33.763	-01.100	310.6	1487	
01/05/07	5	16:15	-71 22.8818	173 50.0748	04.5	253.6	2183	2140	10283.0		33.778	-01.138	310.6	1563	
01/05/07	5	16:30	-71 23.1578	173 46.8594	04.1	253.1	2179	2132	10281.0		33.749	-01.192	310.6	1637	
01/05/07	5	16:45	-71 23.4938	173 43.5809	04.8	250.5	2180	2381	10282.0		33.729	-01.177	310.6	1711	
01/05/07	5	17:00	-71 23.7804	173 40.1274	04.4	256.2	2176	2124	10284.0		33.717	-01.083	308.3	1789	Roi off, Michelle on
01/05/07	5	17:15	-71 24.0422	173 36.9095	04.2	256.7	2165	2495	10283.0		33.749	-00.975	308.1	1864	
01/05/07	5	17:30	-71 24.3420	173 33.6620	04.6	148.6	2181	2122	10284.0		33.762	-01.054	309.7	1937	
01/05/07	5	17:45	-71 24.6259	173 30.1776	04.8	260.5	2186	2136	10286.0		33.766	-01.072	310.6	2013	
01/05/07	5	18:00	-71 24.9380	173 26.5732	04.9	251.4	2196	2453	10293.0		33.765	-01.066	310.6	2088	
01/05/07	5	18:15	-71 25.2887	173 23.1735	04.3	255.2	2160	2115	10300.0		33.769	-01.126	313.6	2162	
01/05/07	5	18:19													XBT in the water (#108): FAILED
01/05/07	5	18:23													XBT in the water (#109): FAILED
01/05/07	5	18:30	-71 25.5789	173 19.7717	04.4	252.3	2076	2283	10304.0		33.775	-01.161	317.6	2238	
01/05/07	5	18:45	-71 25.8820	173 16.4081	04.6	253.6	2322	2025	10305.0		33.778	-01.185	318.8	2313	
01/05/07	5	19:00	-71 26.1644	173 13.1799	04.4	250.6	2239	2536	10307.0		33.801	-01.225	321.7	2387	
01/05/07	5	19:15	-71 26.5155	173 09.7375	04.7	257.2	2040	1998	10310.0		33.795	-01.187	324.8	2463	
01/05/07	5	19:30	-71 26.8506	173 06.0709	05.1	253.9	1764	1982	10310.0		33.788	-01.131	324.0	2542	Sonbuoy over the side (channel 26), #17
01/05/07	5	19:45	-71 27.1198	173 02.5964	04.6	255.1	2046	2183	10310.0		33.799	-01.134	324.0	2612	
01/05/07	5	20:00	-71 27.4310	172 58.9526	05.0	254.8	2056	2512	10312.0		33.807	-01.093	323.9	2687	Dan off
01/05/07	5	20:15	-71 27.7464	172 55.2731	04.9	254.7	2023	2627	10310.0		33.826	-01.057	322.7	2764	
01/05/07	5	20:30	-71 28.0458	172 51.8417	04.7	254.4	2109	2572	10309.0		33.866	-01.046	328.8	2837	
01/05/07	5	20:45	-71 28.3836	172 48.4882	04.4	252.4	1522	2163	10305.0		33.894	-01.044	335.5	2912	
01/05/07	5	21:00	-71 28.6990	172 45.1035	04.6	254.3	2180	2135	10309.0		33.942	-00.961	341.6	2988	Sian on
01/05/07	5	21:15	-71 29.0172	172 41.7737	04.4	247.2	2118	2071	10313.0		33.942	-00.922	342.8	3063	
01/05/07	5	21:30	-71 29.3381	172 38.3304	04.9	253.1	2057	2646	10310.0		33.944	-00.900	340.2	3138	
01/05/07	5	21:45	-71 29.6178	172 34.7049	05.1	258.7	1353	2020	10310.0		33.968	-00.915	342.4	3213	
01/05/07	5	22:00	-71 29.8750	172 30.9924	04.8	252.7	2247	2021	10312.0		33.966	-00.892	342.6	3288	
01/05/07	5	22:15	-71 30.2234	172 27.5390	04.6	253.2	2515	2178	10310.0		33.961	-00.853	342.6	3363	
01/05/07	5	22:30	-71 30.5544	172 24.0921	04.8	250.1	1140	2186	10313.0		33.984	-00.857	341.7	3437	
01/05/07	5	22:45	-71 30.9274	172 20.4849	04.5	256.5	1837	2024	1031.2		33.986	-00.899	348.3	3513	
01/05/07	5	23:00	-71 31.1874	172 16.7825	05.6	280.1	1771	1769	10316.0		33.950	-00.892	348.3	3589	Michelle off
01/05/07	5	23:15	-71 31.3857	172 13.4830	04.7	259.4	1637	1978	10312.0		33.935	-00.906	347.3	3663	Franziska on
01/05/07	5	23:30	-71 31.7624	172 10.2988	04.7	225.7	1568	1534	10314.0		33.961	-00.897	349.1	3739	
01/05/07	5	23:37	-71 32.0000	172 08.4293											multibeam stopped and restarted
01/05/07	5	23:45	-71 32.1059	172 06.9205	04.5	256.2	2685	1933	10325.0		33.005	-00.845	359.0	3814	both depths are wrong
01/06/07	6	00:00	-71 32.3946	172 03.5052	05.0	255.4	930	896	10338.0		34.164	-00.656	376.0	3887	
01/06/07	6	00:15	-71 32.6523	172 00.1859	04.3	254.6	640	622	10351.0		34.318	-00.488	430.9	3963	
01/06/07	6	00:30	-71 32.9713	171 56.7004	04.7	256.4	606	588	10357.0		34.327	-00.527	441.7	4037	
01/06/07	6	00:42	-71 33.2327	171 53.3614											Seismic shutdown to 1 gun (penguins)
01/06/07	6	00:45	-71 33.2538	171 53.1088	04.5	256.3	575	559	10355.0		34.257	-01.744	441.7	4112	
01/06/07	6	00:48	-71 33.3289	171 52.3123											Seismic restarted (all guns)

01/06/07	6	01:00	-71 33.6017	171 49.8001	04.7	249.9	559	541	10355.0		34.218	-00.991	425.8	4187	
01/06/07	6	01:15	-71 34.0984	171 46.7450	04.8	217.7	534	519	10351.0		34.184	-00.748	420.8	4263	
01/06/07	6	01:30	-71 35.1064	171 45.3323	04.6	185.2	522	506	10345.0		34.235	-00.711	431.0	4336	
01/06/07	6	01:37	-71 35.7660	171 45.1712											sonobuoy #18 deployed, model 77, Channel 19
01/06/07	6	01:45	-71 36.2366	171 44.9506	05.0	192.7	529	267	10339.0		34.252	-00.669	431.8	4413	Mbc wrong
01/06/07	6	02:00	-71 37.3338	171 44.8132	04.3	182.1	952	461	10338.0		34.301	-00.543	438.2	4487	bathy wrong, Sian off
01/06/07	6	02:15	-71 38.4682	171 44.8370	04.6	175.6	949	460	10340.0		34.332	-00.417	439.4	4563	bathy wrong
01/06/07	6	02:30	-71 39.5915	171 44.9194	04.7	174.5	508	490	10338.0		34.250	-00.371	439.6	4643	
01/06/07	6	02:45	-71 39.6732	171 45.1163	04.5	184.6	495	481	10228.0		34.289	-00.615	439.2	4712	
01/06/07	6	03:00	-71 41.8121	171 45.0073	04.8	177.3	516	500	10337.0		34.279	-00.539	435.7	4788	starting turn 4807 (3:05)
01/06/07	6	03:15	-71 42.8709	171 46.1673	05.0	139.6	521	503	10331.0		34.316	-00.564	441.1	4861	
01/06/07	6	03:30	-71 43.3658	171 49.9365	05.8	091.3	568	552	10324.0		34.326	-00.612	440.1	4936	
01/06/07	6	03:45	-71 43.1177	171 54.0646	04.9	075.0	589	505	10327.0		34.305	-00.657	436.4	5011	
01/06/07	6	04:00	-71 42.8101	171 57.5244	04.2	080.5	605	590	10330.0		34.296	-00.689	436.4	5087	
01/06/07	6	04:15	-71 42.6411	172 01.0822	04.7	084.4	653	715	10332.0		34.256	-00.744	426.3	5164	
01/06/07	6	04:30	-71 42.4347	172 04.5428	04.3	076.3	672	653	10334.0		34.241	-00.806	422.8	5237	
01/06/07	6	04:45	-71 42.4484	172 07.9596	04.4	075.0	586	700	10333.0		34.205	-00.823	419.7	5311	
01/06/07	6	04:50													shut off gun 4 for 4 shots to check syntron display
01/06/07	6	05:00	-71 41.8533	172 11.4880	04.4	075.3	220	666	10315.0		34.130	-00.831	395.2	5387	Bathy wrong, Franziska off, Marcel on
01/06/07	6	05:15	-71 41.6446	172 14.8527	04.5	081.6	1517	1902	10297.0		34.057	-00.891	284.5	5462	Bathy crashed Franziska off, Marcel on+Q1573
01/06/07	6	05:30	-71 41.3452	172 18.4002	04.7	065.3		3959	10287.0		34.050	-00.895	375.6	5538	
01/06/07	6	05:45	-71 40.9923	172 21.8519	04.7	070.7		1854	10283.0		34.035	-00.926	375.6	5611	
01/06/07	6	06:00	-71 40.6938	172 25.1942	04.5	077.9	1755	2111	10282.0		34.009	-00.934	362.8	5687	
01/06/07	6	06:15	-71 40.4352	172 28.8419	04.5	076.9	1789	2166	10279.0		33.997	-00.998	356.0	5763	
01/06/07	6	06:30	-71 40.1642	172 32.1936	04.6	077.6	1438	2858	10283.0		34.004	-01.054	358.0	5838	
01/06/07	6	06:45	-71 39.8378	172 35.4877	04.4	074.4	1674	2451	10285.0		34.008	-01.042	357.4	5912	
01/06/07	6	07:00	-71 39.5554	172 39.1278	04.5	077.3	1355	2467	10284.0		34.042	-01.078	360.9	5988	
01/06/07	6	07:15	-71 39.3063	172 42.4246	04.3	082.4	1835	3177	10285.0		34.034	-01.079	360.9	6061	
01/06/07	6	07:30	-71 30.0948	172 45.7599	04.7	072.0	1594	2078	10286.0		34.044	-01.072	364.0	6137	
01/06/07	6	07:45	-71 38.8037	172 40.2938	04.7	073.2	2367	2079	10283.0		34.052	-01.073	366.9	6212	
01/06/07	6	08:00	-71 38.4956	172 52.7545	04.8	071.9	2014	1980	10281.0		34.060	-01.050	368.9	6290	Lisa off, Rose on
01/06/07	6	08:15	-71 38.1610	172 56.2775	04.6	077.3	1226	1957	10280.0		34.084	-01.038	372.3	6363	
01/06/07	6	08:30	-71 37.8809	172 59.8257	04.7	074.1	1962	1910	10282.0		34.084	-01.069	375.5	6437	
01/06/07	6	08:45	-71 37.5760	173 03.3829	04.8	076.6	1953	1911	10283.0		34.079	-01.085	373.7	6513	Sonobuoy #19 deployed - successfully. Model 77, Channel 19
01/06/07	6	09:00	-71 37.3219	173 07.0074	04.6	079.8	1943	2205	10286.0		34.062	-01.119	373.7	6586	
01/06/07	6	09:15	-71 37.0583	173 10.4343	04.5	078.2	1966	1920	10284.0		34.049	-01.147	367.1	6661	
01/06/07	6	09:30	-71 36.7667	173 13.8850	04.6	077.1	1980	1938	10284.0		34.009	-01.211	364.2	6740	
01/06/07	6	09:45	-71 36.4801	173 17.2366	04.6	071.6	2003	1959	10282.0		33.988	-01.174	356.3	6812	
01/06/07	6	10:00	-71 36.1720	173 20.5911	04.6	076.9	2016	1839	10280.0		33.964	-01.063	350.2	6886	
01/06/07	6	10:15	-71 35.8745	173 24.0509	04.6	077.7	2002	1964	10280.0		33.968	-01.147	347.7	6961	
01/06/07	6	10:30	-71 35.5994	173 27.4356	04.5	077.1	1983	2034	10283.0		33.964	-01.197	348.8	7037	
01/06/07	6	10:45	-71 35.3760	173 30.8670	04.4	078.4	2150	2103	10281.0		33.914	-01.241	348.8	7111	
01/06/07	6	11:00	-71 35.1508	173 34.2380	04.4	076.3	2147	2104	10279.0		33.880	-01.051	335.3	7186	
01/06/07	6	11:15	-71 34.8189	173 37.8003	04.4	077.1	2137	2044	10284.0		33.850	-01.293	330.4	7269	
01/06/07	6	11:30	-71 34.5749	173 40.9561	04.7	078.3	1780	1748	10291.0		33.837	-01.275	327.5	7338	
01/06/07	6	11:45	-71 34.2883	173 44.3948	04.9	069.0	1651	1795	10296.0		33.841	-01.057	327.0	7413	
01/06/07	6	12:00	-71 33.9954	173 47.8903	04.7	074.5	1626	1587	10298.0		33.846	-01.294	326.7	7486	
01/06/07	6	12:15	-71 33.6754	173 51.4105	04.7	075.4	1821	1860	10294.0		33.848	-01.310	326.7	7561	
01/06/07	6	12:30	-71 33.3664	171 54.9225	04.6	071.6	1982	1938	10287.0		33.840	-01.278	325.7	7636	
01/06/07	6	12:45	-71 33.0743	173 58.4308	04.5	079.4	2140	2095	10282.0		33.827	-01.268	324.5	7712	
01/06/07	6	13:00	-71 32.8152	174 01.7679	04.3	077.9	2127	2407	10275.0		33.842	-01.297	325.1	7787	
01/06/07	6	13:15	-71 32.5543	174 05.0125	04.3	074.4	2144	2101	10276.0		33.851	-01.290	329.7	7862	
01/06/07	6	13:30	-71 32.2701	174 08.2919	04.3	075.5	2165	2121	10275.0		33.850	-01.298	333.2	7937	
01/06/07	6	13:45	-71 31.9386	174 11.6034	04.3	072.5	2179	2134	10277.0		33.859	-01.287	333.9	8014	
01/06/07	6	14:00	-71 31.6649	174 15.0760	04.6	081.5	2229	2206	10279.0		33.895	-01.365	333.9	8098	
01/06/07	6	14:15	-71 31.4264	174 18.4570	04.4	078.9	2274	2224	10280.0		33.905	-01.369	353.0	8162	
01/06/07	6	14:30	-71 31.1929	174 21.8811	04.2	077.5	2241	2192	10280.0		33.887	-01.334	347.6	8236	
01/06/07	6	14:45	-71 30.8858	174 25.2475	04.6	072.0	2266	2230	10284.0		33.880	-01.323	347.9	8311	
01/06/07	6	15:00	-71 30.5585	174 28.7769	04.7	077.0	2273	2225	10284.0		33.854	-01.215	338.7	8387	
01/06/07	6	15:15	-71 30.2834	174 32.2723	04.7	074.2	2250	2216	10286.0		33.866	-01.277	332.4	8462	Computer crashed
01/06/07	6	15:30	-71 29.9876	174 35.7431	04.7	075.9	2267		10288.0		33.882	-01.319	332.1	8538	



01/06/07	6	15:45	-71 29.6860	174 39.1919	04.4	081.6	2273	2242	10292.0	33.859	-01.104	337.0	8624	
01/06/07	6	16:00	-71 29.4040	174 42.7963	04.8	073.0	2278	2231	10292.0	33.852	-01.376	334.7	8691	
01/06/07	6	16:15	-71 29.0982	174 46.1362	04.4	070.8	2281	2235	10293.0	33.864	-01.397	334.6	8762	
01/06/07	6	16:30	-71 28.7910	174 49.6252	04.7	073.7	2285	2237	10294.0	33.864	-01.401	339.4	8837	
01/06/07	6	16:45	-71 28.4775	174 53.1354	04.5	075.4	2289	2244	10295.0	33.878	-01.440	340.8	8912	
01/06/07	6	17:00	-71 28.2111	174 56.5695	04.3	073.4	2287	2282	10295.0	33.870	-01.444	341.5	8987	roi off, michelle on
01/06/07	6	17:15	-71 27.9456	174 59.9167	04.2	076.5	2292	2242	10295.0	33.857	-01.444	341.5	9064	
01/06/07	6	17:30	-71 27.6755	175 03.1247	04.5	074.7	2279	2234	10297.0	33.852	-01.437	336.9	9137	
01/06/07	6	17:45	-71 27.3962	175 06.5552	04.7	075.0	2275	2229	10297.0	33.853	-01.420	331.6	9212	
01/06/07	6	17:58												sonobuoy on channel 30, #21
01/06/07	6	18:00	-71 27.1175	175 09.9665	04.4	076.5	2276	2232	10297.0	33.854	-01.427	331.1	9288	
01/06/07	6	18:15	-71 26.8103	175 13.2367	04.5	073.2	2265	2221	10299.0	33.849	-01.411	331.3	9362	
01/06/07	6	18:30	-71 26.4940	175 16.6626	04.7	076.2	2262	2216	10297.0	33.831	-01.399	328.2	9437	
01/06/07	6	18:42												starting turn to south
01/06/07	6	18:45	-71 26.2564	175 20.1379	04.6	090.5	2257	2521	10298.0	33.802	-01.375	326.4	9512	
01/06/07	6	18:58											9578	end of line 4
01/06/07	6	19:00	-71 26.6254	175 23.2526	04.2	134.9	2250	2612	10300.0	33.812	-01.399	326.4		
01/06/07	6	19:15	-71 27.4347	175 24.0509	03.7	186.2	2247	2199	10311.0	33.834	-01.378	326.4		
01/06/07	6	19:30	-71 28.1923	175 23.3524	03.0	199.9	2244	2196	10314.0	33.853	-01.359	329.5		
01/06/07	6	19:45	-71 28.9032	175 22.6465	03.0	200.0	2244	2197	10315.0	33.866	-01.335	334.9		
01/06/07	6	20:00	-71 29.5061	175 21.9131	02.0	209.1	2246	2198	10314.0	33.876	-01.390	337.0		Dan off
01/06/07	6	20:15	-71 29.9336	175 21.2228	01.9	210.3	2244	2198	10315.0	33.880	-01.329	338.2		Sian on
01/06/07	6	20:30	-71 30.3694	175 20.4291	01.9	214.4	2251	2202	10315.0	33.891	-01.419	338.2		
01/06/07	6	20:45	-71 30.8624	175 19.6252	01.7	217.9	2246	2199	10316.0	33.891	-01.416	343.6		
01/06/07	6	21:00	-71 31.5523	175 18.0698	07.2	215.3	2248	2203	10320.0	33.897	-01.353	344.8		
01/06/07	6	21:01												XBT in the water
01/06/07	6	21:15	-71 33.3463	175 14.4672	08.3	212.2	2238	2392	10327.0	33.906	-01.355	348.7		
01/06/07	6	21:30	-71 35.1050	175 11.1319	07.8	210.9	2232	2184	10328.0	33.913	-01.339	352.0		
01/06/07	6	21:45	-71 36.7831	175 07.9138	08.3	209.9	2220	2177	10330.0	33.905	-01.349	355.4		
01/06/07	6	22:00	-71 38.1825	175 05.0107	08.2	210.5	2214	2902	10330.0	33.888	-01.314	356.9		
01/06/07	6	22:15	-71 40.1193	175 01.4172	09.4	209.5	2196	2150	10333.0	33.915	-01.373	356.9		
01/06/07	6	22:30	-71 42.1957	174 57.6434	09.6	210.1	2179	2541	10337.0	33.910	-01.328	351.9		
01/06/07	6	22:45	-71 44.1541	174 53.9676	09.0	212.3	2164	2118	10336.0	33.930	-01.324	357.6		
01/06/07	6	23:00	-71 45.8652	174 50.2972	08.2	213.2	2139	2457	10338.0	33.952	-01.297	365.1		Franziska on, Michelle off
01/06/07	6	23:15	-71 47.8125	174 47.9986	08.8	204.7	2102	2058	10338.0	33.977	-01.268	369.6		
01/06/07	6	23:30	-71 49.6239	174 44.2987	08.0	208.2	2064	2492	10337.0	33.980	-01.275	368.4		
01/06/07	6	23:45	-71 51.4787	174 41.3379	08.7	209.8	2025	2439	10341.0	33.981	-01.275	369.6		
01/07/07	7	00:00	-71 53.5780	174 37.7271	09.0	210.9	1983	1941	10343.0	34.018	-01.281	369.6		
01/07/07	7	00:15	-71 55.6320	174 33.9807	09.4	208.3	1937	1894	10345.0	34.029	-01.302	381.4		
01/07/07	7	00:30	-71 57.7785	174 30.2701	09.7	208.6	1860	1818	10345.0	34.044	-01.279	380.7		
01/07/07	7	00:45	-71 59.8499	174 26.5704	09.1	210.6	1770	1729	10350.0	34.057	-01.271	386.0		
01/07/07	7	01:00	-72 01.9304	174 22.7536	09.0	209.2	1641	1600	10358.0	34.082	-01.242	388.5		
01/07/07	7	01:15	-72 03.7148	174 19.1940	09.0	211.0	1507	1459	10373.0	34.122	-01.161	394.4		
01/07/07	7	01:30	-72 05.5550	174 15.3662	08.1	215.2	1317	1514	10386.0	34.149	-01.115	394.4		
01/07/07	7	01:45	-72 07.8621	174 11.4706	11.1	206.0	1080	1046	10395.0	34.145	-01.185	403.1		
		01:55												bathy depth changed, last two recordings wrong
01/07/07	7	02:00	-72 10.2255	174 07.4524	10.4	211.1	820	794	10415.0	34.165	-01.176	404.4		Sian off, Lisa On
01/07/07	7	02:15	-72 12.3848	174 02.8545	10.0	210.6	581	560	10425.0	34.106	-01.124	405.1		
01/07/07	7	02:30	-72 14.4672	173 58.8867	09.4	210.7	565	546	10435.0	34.097	-01.056	401.6		
01/07/07	7	02:45	-72 16.6273	173 54.7513	09.6	213.7	571	555	10436.0	34.136	-00.921	394.0		
01/07/07	7	03:00	-72 18.8887	173 50.8849	10.6	210.0	574	557	10429.0	34.164	-00.836	393.4		
01/07/07	7	03:15	-72 21.1478	173 46.4886	11.0	210.5	571	557	10428.0	34.146	-00.862	393.4		
01/07/07	7	03:30	-72 23.4402	173 42.1051	10.8	209.5	513	500	10422.0	34.160	-00.843	389.1		
01/07/07	7	03:45	-72 25.8476	173 37.6894	11.3	208.8	499	483	10419.0	34.131	-00.774	399.6		
01/07/07	7	04:00	-72 28.2672	173 33.3325	11.2	206.6	490	502	10418.0	34.153	-00.766	280.1		wind meters off-line
01/07/07	7	04:15	-72 30.7370	173 29.1605	11.1	205.7	495	479	10415.0	34.134	-00.667	367.3		
01/07/07	7	04:30	-72 33.3069	173 25.5944	11.0	201.4	506	490	10412.0	34.129	-00.726	361.0		
01/07/07	7	04:45	-72 35.9148	173 22.2253	10.8	199.9	522	503	10407.0	34.128	-00.756	358.7		
01/07/07	7	05:00	-72 38.4380	173 18.9494	11.3	201.5	515	501	10408.0	34.165	-00.621	360.6		
01/07/07	7	05:15	-72 41.1104	173 15.5869	11.6	199.0	513	494	10405.0	34.154	-00.644	353.6		
01/07/07	7	05:30	-72 43.8753	173 12.2617	11.7	199.6	515	602	10403.0	34.141	-00.644	351.0		

01/07/07	7	05:45	-72 46.6205	173 08.4961	12.0	204.5	521	545	10407.0		34.123	-00.627	343.5	
01/07/07	7	06:00	-72 49.0173	173 04.8962	12.1	204.1	534	519	10405.0		34.157	-00.665	353.6	
01/07/07	7	06:15	-72 52.1548	173 00.3478	12.3	202.4	533	519	10403.0		34.205	-00.747	362.1	
01/07/07	7	06:30	-72 55.1028	173 56.3617	12.4	200.2	469	449	10404.0		34.200	-00.721	362.1	
01/07/07	7	06:45	-72 57.9547	173 52.4753	12.8	203.9	446	429	10406.0		34.174	-00.678	364.1	
01/07/07	7	07:00	-73 00.8459	172 48.0698	12.5	202.9	448	435	10410.0		34.068	-00.755	342.0	
01/07/07	7	07:15	-73 03.6475	172 43.9435	12.9	203.9	472	459	10413.0		34.114	-00.817	339.9	
01/07/07	7	07:30	-73 06.6467	172 39.6780	12.6	201.7	482	467	10415.0		33.987	-00.864	332.1	
01/07/07	7	07:45	-73 09.5668	172 35.8786	12.8	201.9	496	480	10411.0		33.960	-00.935	322.8	
01/07/07	7	08:00	-73 12.4238	172 32.0123	12.4	202.1	510	494	10409.0		34.064	-00.748	324.5	
01/07/07	7	08:15	-73 15.9378	172 27.6096	12.6	204.3	521	505	10407.0		34.026	-00.763	324.5	
01/07/07	7	08:30	-73 18.2364	172 23.1299	12.5	205.4	528	513	10402.0		34.183	-00.665	330.7	
01/07/07	7	08:45	-73 21.0658	172 18.6026	12.6	203.3	538	522	10402.0		34.155	-00.710	351.7	
01/07/07	7	09:00	-73 21.0202	172 14.3820	12.6	200.8	539	523	10409.0		34.166	-00.605	341.1	
01/07/07	7	09:15	-73 27.0195	172 10.3006	12.8	200.2	546	528	10413.0		34.114	-00.672	343.1	
01/07/07	7	09:30	-73 30.0014	172 06.8088	12.8	198.7	537	518	10413.0		33.991	-00.809	332.4	
01/07/07	7	09:45	-73 33.0080	172 02.7704	12.8	202.1	538	518	10417.0		33.848	-00.751	332.0	
01/07/07	7	10:00	-73 35.9390	171 53.4647	12.8	202.5	542	525	10421.0		33.894	-00.606	310.5	
01/07/07	7	10:15	-73 38.8861	171 54.0244	13.2	204.2	544	528	10423.0		33.915	-00.745	319.0	
01/07/07	7	10:30	-73 41.8771	171 49.2474	13.3	203.9	535	519	10427.0		34.051	-00.370	319.9	
01/07/07	7	10:45	-73 44.9593	171 44.4946	13.3	203.0	547	530	10429.0		34.001	-00.404	320.9	
01/07/07	7	11:00	-73 47.9402	171 39.9307	13.3	202.7	532	515	10427.0		33.973	-00.605	318.6	
01/07/07	7	11:15	-73 50.9683	171 35.2002	13.3	202.6	533	503	10429.0		33.804	-00.777	315.1	
01/07/07	7	11:30	-73 54.0518	171 30.7443	13.2	201.4	523	507	10428.0		33.674	-00.751	315.1	
01/07/07	7	11:45	-73 57.1481	171 26.3416	13.4	201.1	529	512	10427.0		33.673	-00.659	292.3	
01/07/07	7	12:00	-74 00.1579	171 21.7722	13.2	207.3	543	526	10428.0		33.641	-00.894	294.7	
01/07/07	7	12:15	-74 03.0702	171 16.4685	13.1	205.2	561	541	10433.0		33.635	-01.416	301.6	
01/07/07	7	12:30	-74 05.9093	171 10.7272	13.4	217.4	560	540	10437.0		33.602	-00.786	300.0	
01/07/07	7	12:45	-74 08.6023	171 03.4634	13.3	215.6	579	553	10449.0		33.936	-01.441	326.5	
01/07/07	7	13:00	-74 11.2546	170 56.4880	13.0	215.2	578	557	10453.0		33.827	-01.468	319.4	
01/07/07	7	13:15	-74 13.8387	170 48.9551	13.3	220.2	588	568	10460.0		34.081	-00.885	319.4	
01/07/07	7	13:30	-74 16.4122	170 41.1859	13.5	219.6	572	556	10463.0		33.918	-00.862	326.2	
01/07/07	7	13:45	-74 19.0196	170 33.4772	13.3	217.9	584	562	10455.0		33.921	-00.497	316.2	
01/07/07	7	14:00	-74 21.5849	170 25.9616	13.3	218.7	566	546	10455.0		33.977	-00.902	326.1	
01/07/07	7	14:15	-74 24.2445	170 18.5010	13.2	215.7	532	523	10455.0		33.958	-00.910	331.5	
01/07/07	7	14:30	-74 26.8639	170 11.3635	13.1	214.2	498	482	10459.0		33.765	-01.285	325.0	
01/07/07	7	14:45	-74 28.5338	170 06.0077	07.5	188.2	469	452	10461.0		33.575	-01.613	325.0	
01/07/07	7	15:00	-74 34.1389	170 03.8434	13.1	199.9	432	412	10465.0		33.639	-01.565	314.5	
01/07/07	7	15:15	-74 34.1899	169 59.7931	13.0	196.0	355	344	10470.0		33.692	-01.651	316.7	
01/07/07	7	15:30	-74 36.4201	169 56.2747	12.9	234.3	331	319	10479.0		33.581	-00.647	308.5	
01/07/07	7	15:45	-74 38.0951	169 45.9293	12.7	239.0	328	317	10492.0		34.014	-01.287	351.4	
01/07/07	7	16:00	-74 40.3148	169 37.5073	12.8	217.2	343	331	10486.0		33.749	-01.629	299.2	
01/07/07	7	16:15	-74 42.6183	169 30.2014	12.3	244.4	352	340	10484.0		33.842	-01.236	294.4	
01/07/07	7	16:30	-74 43.8382	169 19.2902	12.7	245.9	358	348	10490.0		34.248	-00.365	294.4	
01/07/07	7	16:45	-74 45.1520	169 08.3469	12.6	245.1	357	346	10492.0		34.168	-00.728	328.1	
01/07/07	7	17:00	-74 46.7546	168 58.1525	12.7	226.8	360	349	10496.0		34.244	-01.059	387.0	Roi off, Michelle on
01/07/07	7	17:15	-74 48.8480	168 48.9037	12.7	230.4	358	347	10499.0		34.259	-01.179	406.9	
01/07/07	7	17:30	-74 50.5563	168 38.9777	12.7	227.6	370	359	10505.0		34.191	-01.175	403.2	
01/07/07	7	17:45	-74 52.7907	168 30.4715	12.6	219.0	373	357	10503.0		34.118	-01.232	393.9	
01/07/07	7	18:00	-74 55.0090	168 20.7440	12.7	241.3	370	359	10508.0		34.051	-01.339	390.0	
01/07/07	7	18:15	-74 56.1951	168 09.7009	12.8	249.7	397	384	10511.0		34.129	-01.073	394.7	
01/07/07	7	18:30	-74 57.6022	167 58.6761	12.8	238.5	411	396	10510.0		34.082	-01.106	393.1	
01/07/07	7	18:45	-74 59.2676	167 48.3215	12.7	237.6	432	415	10509.0		34.020	-01.073	366.2	
01/07/07	7	19:00	-75 00.9860	167 37.8864	12.7	237.5	455	438	10510.0		33.953	-01.061	357.1	
01/07/07	7	19:15	-75 02.3479	167 27.1948	12.6	251.3	482	469	10515.0		34.028	-01.127	361.3	
01/07/07	7	19:30	-75 02.9704	167 15.3552	12.6	268.6	536	518	10520.0		34.141	-01.148	372.7	
01/07/07	7	19:45	-75 02.9196	167 03.1494	12.5	271.7	605	579	10522.0		34.132	-00.865	372.7	
01/07/07	7	20:00	-75 03.0478	166 51.6044	10.0	253.6	678	655	10521.0		34.173	-00.886	354.8	Danny off
01/07/07	7	20:15	-75 02.8029	166 43.6102	06.1	280.8	461	852	10504.0		34.105	-01.318	328.6	Sian on
01/07/07	7	20:30	-75 02.7122	166 37.3956	05.2	280.6	872	795	10494.0		33.910	-01.657	336.7	Bathy2000 red on display screen
01/07/07	7	20:45	-75 02.3492	166 32.4380	06.7	258.6	872	1095	10481.0		34.054	-01.759	337.0	

01/07/07	7	20:48												Bathy200 green again, working normally
01/07/07	7	21:00	-75 02.1176	166 28.0361	05.9	301.8	749	1029	10470.0		34.124	-01.744	338.4	
01/07/07	7	21:15	-75 01.5802	166 23.5263	04.8	280.2	1075	964	10461.0		33.977	-01.698	337.0	
01/07/07	7	21:30	-75 01.2955	166 22.1741	03.9	296.2	916	908	10452.0		34.064	-01.659	337.0	
01/07/07	7	21:45	-75 00.6697	166 19.6902	07.9	319.3	949	916	10451.0		34.008	-01.714	321.6	
01/07/07	7	22:00	-75 00.1222	166 16.4584	05.6	233.4	1215	940	10450.0		34.027	-01.617	312.9	
01/07/07	7	22:15	-75 00.0929	166 11.6556	07.1	303.4	651	1179	10451.0		34.026	-01.677	309.8	
01/07/07	7	22:30	-74 58.7892	166 00.9677	12.6	299.8	1087	1051	10457.0		34.124	-01.150	305.2	
01/07/07	7	22:45	-74 57.1632	165 50.5298	12.7	302.1	1149	1111	10453.0		34.347	-00.443	286.3	
01/07/07	7	23:00	-74 55.5070	165 40.0708	12.8	301.0	1065	1030	10452.0		34.418	-00.364	281.9	Michelle off, Franziska on
01/07/07	7	23:15	-74 53.9223	165 29.3071	12.8	299.2	855	826	10463.0		34.421	-00.209	277.3	
01/07/07	7	23:30	-74 52.4057	165 18.6411	13.0	298.0	865	832	10467.0		34.497	-00.141	277.7	
01/07/07	7	23:45	-74 50.8539	165 07.9120	12.8	299.4	774	747	10477.0		34.523	00.089	265.4	
01/08/07	8	00:00	-74 49.3089	164 57.4777	12.7	301.5	827	800	10484.0		34.587	00.319	260.0	
01/08/07	8	00:15	-74 47.6283	164 47.0856	12.9	302.8	811	785	10501.0		34.616	00.107	255.8	
01/08/07	8	00:30	-74 45.9540	164 36.8399	12.8	300.8	756	731	10512.0		34.530	00.281	256.3	
01/08/07	8	00:45	-74 44.2776	164 26.7517	12.5	303.1	490	473	10512.0		34.376	-00.233	256.3	
01/08/07	8	01:00	-74 42.9584	164 22.0468	03.8	135.3	486	953	10500.0		34.510	-00.652	246.4	
01/08/07	8	01:15	-74 42.9185	164 22.3608	00.3	066.9	501	483	10495.0		34.473	-00.666	254.4	
01/08/07	8	01:30	-74 43.0245	164 22.0944	02.3	137.4	496	487	10494.0		34.643	-00.576	241.7	
01/08/07	8	02:45	-74 43.0467	164 22.1411	00.0	129.2	499	482	10494.0		34.560	-00.759	261.8	
01/08/07	8	03:00	-74 43.0495	164 22.1667	01.8	123.8	500	483	10494.0		34.571	-00.791	264.7	
01/08/07	8	03:15	-74 44.9416	164 30.8295	12.4	130.9	685	661	10474.0		34.499	-00.111	249.9	
01/08/07	8	03:30	-74 45.1080	164 41.9522	12.3	087.4	709	691	10470.0		34.668	00.360	247.8	
01/08/07	8	03:45	-74 45.9790	164 53.0578	12.6	120.7	758	733	10461.0		34.558	00.290	247.2	
01/08/07	8	04:00	-74 47.6198	165 03.5890	12.7	122.3	754	730	10446.0		34.527	00.328	254.7	
01/08/07	8	04:15	-74 49.2361	165 12.0115	12.7	123.1	736	714	10432.0		34.544	00.274	258.1	
01/08/07	8	04:30	-74 50.9271	165 22.5879	12.5	122.9	819	790	10427.0		34.666	00.018	256.5	
01/08/07	8	04:45	-74 52.5895	165 34.1180	12.7	117.1	831	807	10420.0		34.557	00.021	254.3	Franziska off, Marcel on
01/08/07	8	05:00	-74 53.9740	165 44.7299	12.6	116.9	1035	1004	10412.0		34.497	00.068	264.9	
01/08/07	8	05:15	-74 55.1633	165 55.6348	12.7	113.9	1146	1111	10405.0		34.493	00.052	266.0	
01/08/07	8	05:30	-74 56.7471	165 05.6946	12.9	124.6	1107	1070	10408.0		34.347	-00.448	266.0	
01/08/07	8	05:45	-74 56.8982	166 06.5213	10.1	124.0	1100	1065	10408.0		34.345	-00.534	266.0	
01/08/07	8	06:00	-74 57.1033	166 09.7147	06.0	055.1	1094	1058	10423.0		34.023	-01.613	306.8	
01/08/07	8	06:15	-74 58.1181	166 13.2456	06.2	173.5	1050	1305	10426.0		34.970	-01.583	300.4	
01/08/07	8	06:30	-74 59.3761	166 14.7903	05.6	120.9	1020	1305	10436.0		34.021	-01.628	306.0	
01/08/07	8	06:45	-74 59.7995	166 18.6161	05.9	088.6	976	940	10435.0		33.986	-01.643	313.8	
01/08/07	8	07:00	-74 59.9295	166 23.4506	04.7	088.0	942	814	10437.0		34.034	-01.709	320.2	
01/08/07	8	07:15	-74 59.9556	166 29.1055	04.6	101.1	1083	1290	10443.0		34.114	-01.727	321.4	
01/08/07	8	07:30	-75 00.2028	166 33.6447	05.5	106.2	1199	1226	10449.0		34.109	-01.742	321.4	
01/08/07	8	07:45	-75 00.8015	166 38.4247	06.2	110.9	823	1497	10462.0		33.984	-01.669	329.3	
01/08/07	8	08:00	-75 01.1119	166 43.1113	05.0	103.5	759	731	10472.0		33.965	-01.545	331.7	
01/08/07	8	08:15	-75 01.3545	166 48.1018	05.1	088.9	720	991	10480.0		33.861	-01.604	324.5	
01/08/07	8	08:30	-75 01.5619	166 52.0404	04.8	076.0	691	889	10487.0		33.616	-01.344	251.9	
01/08/07	8	08:45	-75 01.4928	166 57.1756	07.0	078.9	658	636	10485.0		33.713	-01.124	246.5	
01/08/07	8	09:00	-75 01.0547	167 04.9841	10.5	078.0	617	594	10478.0		33.979	-00.932	246.5	
01/08/07	8	09:15	-75 00.4308	167 14.8105	10.5	075.1	575	554	10475.0		34.093	-00.902	355.8	
01/08/07	8	09:30	-74 59.8741	167 24.5883	10.4	080.0	530	510	10472.0		34.700	-01.059	362.8	
01/08/07	8	09:45	-74 59.2854	167 34.2838	10.3	067.6	510	479	10470.0		33.840	-01.138	358.7	
01/08/07	8	10:00	-74 58.0829	167 42.9190	10.2	062.1	510	457	10470.0		34.006	-00.915	370.8	
01/08/07	8	10:15	-74 56.7920	167 51.4984	10.4	056.4	510	442	10469.0		34.077	-01.072	382.9	
01/08/07	8	10:30	-74 55.3290	167 59.6832	10.4	057.1	510	426	10470.0		33.870	-01.374	377.6	
01/08/07	8	10:45	-74 53.8985	168 07.8049	10.3	057.5	874	419	10470.0		33.776	-01.515	377.6	
01/08/07	8	11:00	-74 52.5114	168 15.4294	10.2	055.2	509	408	10469.0		34.070	-00.875	381.7	
01/08/07	8	11:15	-74 50.4167	168 21.7273	10.2	065.2	848	409	10473.0		34.010	-01.420	404.6	
01/08/07	8	11:30	-74 49.1954	168 29.1724	10.3	034.7	414	369	10468.0		33.996	-01.622	384.9	
01/08/07	8	11:45	-74 47.5424	168 36.5826	10.1	060.3	407	393	10462.0		34.106	-00.885	387.3	
01/08/07	8	12:00	-74 46.4365	168 45.3323	10.1	057.0	388	374	10460.0		34.071	-00.544	350.5	
01/08/07	8	12:15	-74 44.7025	168 52.2052	10.2	052.8	390	377	10462.0		34.057	-00.597	342.5	
01/08/07	8	12:30	-74 43.4766	169 00.6312	10.4	064.4	386	373	10455.0		34.055	-00.383	323.7	
01/08/07	8	12:45	-74 43.2280	169 10.4984	10.5	097.5	379	364	10449.0		34.055	-00.951	303.0	

01/08/07	8	13:00	-74 42.8023	169 19.2133	10.7	052.3	357	348	10445.0		33.799	-01.551	305.8	
01/08/07	8	13:15	-74 42.1582	169 29.5688	10.8	084.2	357	342	10446.0		33.807	-01.473	320.7	
01/08/07	8	13:30	-74 41.6153	169 39.1837	10.6	040.8	326	316	10448.0		33.790	-01.324	318.0	
01/08/07	8	13:45	-74 39.6121	169 95.5960	10.5	038.5	318	307	10459.0		33.629	-01.181	305.0	
01/08/07	8	14:00	-74 38.0809	169 53.2416	10.8	066.9	308	296	10450.0		33.685	-01.494	305.0	
01/08/07	8	14:15	-74 36.5694	170 00.8807	10.9	025.5	307	287	10452.0		33.985	-01.532	301.9	
01/08/07	8	14:30	-74 34.1899	170 05.7944	11.0	028.3	335	326	10452.0		33.632	-01.598	307.2	
01/08/07	8	14:45	-74 31.7889	170 11.2079	11.1	031.2	329	354	10447.0		33.632	-01.485	309.4	
01/08/07	8	15:00	-74 29.5166	170 16.4978	10.9	031.6	426	419	10442.0		33.657	-01.389	310.3	
01/08/07	8	15:15	-74 27.1889	170 21.6165	10.6	032.6	468	451	10435.0		33.707	-01.379	314.3	
01/08/07	8	15:30	-74 25.0598	170 27.0584	10.3	038.5	490	472	10428.0		33.859	-00.513	310.4	
01/08/07	8	15:45	-74 23.0090	170 32.6733	10.3	036.8	511	494	10427.0		33.770	-00.676	310.4	
01/08/07	8	16:00	-74 20.8689	170 38.8358	10.5	036.7	536	510	10427.0		33.753	-00.588	300.8	
01/08/07	8	16:15	-74 18.8434	170 44.1202	10.3	036.3	536	519	10429.0		33.767	-00.532	304.6	
01/08/07	8	16:30	-74 17.0709	170 50.5911	10.1	049.6	544	524	10429.0		33.820	-00.728	319.4	
01/08/07	8	16:45	-74 15.4304	170 57.6315	10.5	048.9	519	500	10426.0		33.732	-00.771	316.1	
01/08/07	8	17:00	-74 13.7466	171 05.3394	10.6	051.1	498	481	10421.0		33.588	-00.777	312.4	Roi off, Michelle on
01/08/07	8	17:15	-74 12.1216	171 12.8055	10.6	051.9	498	480	10414.0		33.608	-01.591	312.4	
01/08/07	8	17:30	-74 10.0360	171 18.6154	10.7	028.0	483	469	10415.0		33.452	-00.853	299.5	
01/08/07	8	17:41												XBT 114 in the water
01/08/07	8	17:45	-74 07.7147	171 23.2214	10.6	027.9	492	468	10414.0		33.818	-00.298	319.0	
01/08/07	8	18:00	-74 05.4424	171 27.7524	10.4	026.1	480	465	10408.0		33.654	-01.020	308.7	
01/08/07	8	18:15	-74 03.1128	171 32.1689	10.8	029.4	479	462	10407.0		33.761	-00.950	306.2	
01/08/07	8	18:30	-74 00.7256	171 36.7804	10.7	027.8	480	461	10411.0		33.651	-00.342	300.3	
01/08/07	8	18:45	-73 58.3420	171 41.1694	10.8	027.5	474	457	10409.0		33.707	-00.343	292.1	
01/08/07	8	19:00	-73 55.9483	171 45.5630	10.7	027.2	464	448	10407.0		33.713	-00.522	292.1	
01/08/07	8	19:15	-73 53.5217	171 49.8413	11.1	027.3	456	439	10406.0		33.805	-00.417	309.7	
01/08/07	8	19:30	-73 51.0572	171 53.9191	10.8	024.4	439	423	10405.0		33.732	-00.241	293.1	
01/08/07	8	19:45	-73 48.5884	171 57.9099	10.9	023.0	427	414	10405.0		34.006	-00.160	320.5	
01/08/07	8	20:00	-73 46.1545	172 01.6324	10.6	024.3	483	457	10405.0		34.132	-00.368	326.9	Dan off, Sian on
01/08/07	8	20:09												magnetometer in the water
01/08/07	8	20:15	-73 43.7485	172 05.3833	10.3	023.3	474	457	10403.0		33.890	-00.322	316.5	
		20:23	-73 42.3129	172 07.7582						63918				magnetometer online
01/08/07	8	20:30	-73 41.3319	172 09.4373	10.6	025.4	473	456	10401.0	63930	33.890	-00.415	309.9	
01/08/07	8	20:45	-73 38.9461	172 13.4694	10.7	026.2	472	454	10399.0	63911	33.911	-00.566	309.9	
01/08/07	8	21:00	-73 36.6138	172 17.5058	10.4	026.9	470	452	10400.0	63905	34.069	-00.378	317.1	
01/08/07	8	21:15	-73 34.2599	172 21.4481	10.5	026.4	479	457	10399.0	63917	34.153	-00.446	337.3	
01/08/07	8	21:30	-73 31.8164	172 25.2347	10.9	021.2	477	462	10396.0	63959	34.107	-00.529	340.3	
01/08/07	8	21:45	-73 29.3706	172 28.8721	10.8	024.3	469	450	10391.0	64025	34.160	-00.368	335.7	
01/08/07	8	22:00	-73 26.9417	172 32.8088	10.9	025.4	489	475	10387.0	64097	34.097	-00.441	322.8	
01/08/07	8	22:15	-73 24.4647	172 36.6815	10.7	023.5	487	470	10386.0	64106	34.051	-00.445	322.8	
01/08/07	8	22:30	-73 22.0349	172 40.8133	10.8	024.8	486	467	10379.0	64053	34.044	-00.350	307.1	
01/08/07	8	22:45	-73 19.6619	172 44.9121	10.8	027.3	492	466	10374.0	64060	33.996	-00.291	302.3	
01/08/07	8	23:00	-73 17.2577	172 49.1830	10.8	028.3	487	478	10370.0	64078	34.053	-00.489	316.0	Michelle off, Franziska On
01/08/07	8	23:15	-73 14.8215	172 53.5199	11.2	027.4	501	481	10372.0	64096	33.978	-00.423	310.1	
01/08/07	8	23:30	-73 12.3354	172 57.9291	10.9	024.5	510	492	10375.0	64158	34.046	-00.544	315.2	
01/08/07	8	23:45	-73 09.8680	173 01.9501	11.0	025.5	501	478	10379.0	64202	33.969	-00.566	318.4	
01/09/07	9	00:00	-73 07.3480	173 06.1185	11.4	026.5	497	479	10382.0	64181	33.989	-00.379	318.4	
01/09/07	9	00:15	-73 04.7617	173 10.2557	11.3	026.9	493	470	10386.0	64130	33.987	-00.544	313.9	
01/09/07	9	00:30	-73 02.2760	173 14.5734	11.2	028.2	470	455	10387.0	64077	34.183	-00.446	321.7	
01/09/07	9	00:45	-72 59.7725	173 18.7308	11.0	025.9	459	441	10388.0	64026	34.134	-00.209	328.0	
01/09/07	9	01:00	-72 57.3203	173 22.9385	11.0	027.1	447	423	10387.0	63999	34.255	-00.066	317.9	
01/09/07	9	01:15	-72 54.8584	173 27.2955	11.1	026.2	444	422	10386.0	63995	34.200	-00.142	293.6	
01/09/07	9	01:30	-72 52.3732	173 31.4520	10.7	027.4	443	427	10388.0	64001	34.236	-00.112	297.7	
01/09/07	9	01:45	-72 50.0299	173 35.7487	10.8	030.3	482	465	10388.0	64010	34.136	-00.540	346.3	
01/09/07	9	02:00	-72 47.7008	173 40.1605	10.9	028.5	516	479	10389.0	64049	34.139	-00.435	343.5	Sian off, Lisa on
01/09/07	9	02:13	-72 45.5919	173 44.0753										Maggie turned off
01/09/07	9	02:15	-72 45.4266	173 44.3500	05.9	023.4	514	494	1039.1	-	34.135	-00.444	343.8	
01/09/07	9	02:30	-72 44.4562	173 45.0320	03.6	006.4	508	488	10403.0	-	34.132	-00.390	343.4	
01/09/07	9	02:45	-72 43.5365	173 45.3699	03.9	005.7	490	469	10403.0	-	34.158	-00.340	348.4	
01/09/07	9	03:00	-72 42.6077	173 45.5566	03.5	003.2	491	475	10403.0	-	34.177	-00.282	352.8	

01/09/07	9	03:15	-72 41.7114	173 45.7086	03.7	003.1	496	476	10403.0	-	34.168	-00.443	352.8	
01/09/07	9	03:30	-72 40.8243	173 45.8350	03.5	003.0	499	481	10404.0	-	34.146	-00.299	351.1	
01/09/07	9	03:45	-72 39.9545	173 46.0666	03.6	005.7	488	470	10403.0		34.149	-00.354	352.7	
01/09/07	9	04:00	-72 39.0591	173 46.3669	03.8	005.5	483	471	10403.0		34.142	-00.387	359.8	
01/09/07	9	04:15	-72 38.1322	173 46.6269	03.5	002.1	468	453	10404.0		34.129	-00.312	350.1	
01/09/07	9	04:22	-72 37.6579	173 46.6763										sonobouy (22) M57, Channel 27 deployed, marine mammal begun
01/09/07	9	04:30	-72 37.2720	173 46.6708	03.4	359.1	474	456	10404.0		34.138	-00.346	347.0	
01/09/07	9	04:45	-72 36.4046	173 46.8594	03.9	006.1	490	469	10403.0		34.120	-00.376	346.5	
01/09/07	9	05:00	-72 35.4272	173 47.1231	04.0	006.4	476	456	10404.0		34.112	-00.279	346.5	Franziska off, Marcel on
01/09/07	9	05:08											1	Ramping up, firing gun 1
01/09/07	9	05:12												Ramping up, firing gun 2
01/09/07	9	05:15	-72 34.3707	173 47.4802	04.3	003.5	468	450	10404.0		34.137	-00.370	341.5	
01/09/07	9	05:16												Firing gun 3
01/09/07	9	05:21												Firing gun 4
01/09/07	9	05:25												Firing gun 5
01/09/07	9	05:28												Firing gun 6
01/09/07	9	05:30	-72 33.3380	173 47.8015	04.7	005.1	454	439	10404.0		34.123	-00.264	338.7	209
01/09/07	9	05:45	-72 32.1469	173 47.9786	04.4	000.7	460	451	10405.0		34.121	-00.223	345.7	285
01/09/07	9	06:00	-72 31.0185	173 48.0899	04.7	002.7	463	445	10405.0		34.137	-00.365	349.7	361
01/09/07	9	06:15	-72 29.8347	173 48.3472	05.0	002.1	474	456	10404.0		34.108	-00.451	345.0	435
01/09/07	9	06:30	-72 28.6519	173 48.4818	04.8	004.1	475	458	10404.0		34.091	-00.441	344.5	511
01/09/07	9	06:45	-72 27.5029	173 48.6703	04.7	004.6	478	460	10404.0		34.093	-00.422	333.8	585
01/09/07	9	07:00	-72 26.3626	173 48.8967	03.6	004.4	491	471	10404.0		34.088	-00.461	336.1	662
01/09/07	9	07:15	-72 25.3024	173 49.1877	04.5	006.7	518	498	10403.0		34.067	-00.436	334.4	735
01/09/07	9	07:30	-72 24.1905	173 49.6362	04.7	007.1	534	516	10403.0		34.083	-00.486	336.8	811
01/09/07	9	07:45	-72 23.1766	173 49.9109	04.5	004.5	550	530	10403.0		34.091	-00.599	341.1	878
01/09/07	9	08:00	-72 21.9269	173 50.2817	04.4	004.6	576	554	10403.0		34.133	-00.639	348.3	960
01/09/07	9	08:15	-72 20.7889	173 50.6442	04.6	003.0	579	557	10404.0		34.085	-00.516	348.3	1038
01/09/07	9	08:30	-72 19.6848	173 50.7120	04.4	000.4	582	560	10406.0		34.101	-00.510	339.9	1111
01/09/07	9	08:45	-72 18.6026	173 50.7962	04.5	004.2	574	552	10407.0		34.134	-00.517	356.4	1185
01/09/07	9	09:00	-72 17.4500	173 51.0956	04.6	003.0	567	545	10407.0		34.140	-00.517	361.6	1260
01/09/07	9	09:15	-72 16.3403	173 51.2302	04.5	002.7	569	544	10408.0		34.131	-00.493	357.6	1336
01/09/07	9	09:30	-72 15.2376	173 51.4728	04.5	003.4	573	552	10408.0		34.178	-00.636	371.8	1410
01/09/07	9	09:45	-72 14.1266	173 51.6678	04.2	002.9	567	545	10408.0		34.165	-00.605	376.7	1486
01/09/07	9	10:00	-72 13.0733	173 52.0432	04.2	005.8	565	544	10406.0		34.195	-00.485	376.7	1560
01/09/07	9	10:15	-72 11.9870	173 52.4194	04.3	006.0	567	544	10405.0		34.199	-00.650	403.6	1637
01/09/07	9	10:30	-72 10.8403	173 52.7316	04.8	003.9	592	566	10403.0		34.142	-00.693	393.7	1712
01/09/07	9	10:45	-72 09.6771	173 52.8323	04.5	359.4	705	677	10399.0		34.131	-00.724	394.5	1786
01/09/07	9	11:00	-72 08.6014	173 52.7948	04.0	004.9	708	766	10394.0		34.103	-00.845	396.2	1860
01/09/07	9	11:15	-72 07.4698	173 53.2663	04.3	005.2	904	869	10387.0		34.051	-00.834	403.8	1935
01/09/07	9	11:25												xbt 115
01/09/07	9	11:30	-72 06.3689	173 53.6646	04.6	004.6	992	957	10381.0		34.061	-00.902	403.8	2011
01/09/07	9	11:45	-72 05.2753	173 53.9603	04.4	003.8	1090	1061	10375.0		34.057	-00.769	394.3	2087
01/09/07	9	12:00	-72 04.1652	173 54.1919	04.4	003.1	1195	1164	10369.0		34.047	-00.906	391.2	2162
01/09/07	9	12:15	-72 03.0913	173 54.4437	04.5	007.2	1308	1275	10361.0		34.059	-00.684	394.7	2235
01/09/07	9	12:30	-72 01.9693	173 54.7348	04.5	001.5	1421	1397	10353.0		34.126	-00.774	399.3	2311
01/09/07	9	12:45	-72 00.8665	173 55.0278	04.3	003.6	1508	1501	10346.0		34.168	-00.847	398.5	2386
01/09/07	9	13:00	-71 59.7221	173 54.8895	04.9	351.4	1657	1621	10341.0		34.162	-00.836	401.7	2464
01/09/07	9	13:15	-71 58.5677	173 54.3961	04.4	354.5	1723	1685	10335.0		34.158	-00.880	401.7	2537
01/09/07	9	13:30	-71 57.4402	173 54.0372	04.5	353.7	1789	1751	10330.0		34.120	-00.979	391.7	2611
01/09/07	9	13:45	-71 56.3448	173 53.6778	04.3	355.0	1843	1802	10326.0		34.101	-01.038	389.5	2685
01/09/07	9	14:00	-71 55.2544	173 53.3542	04.6	352.6	1892	1849	10323.0		34.099	-01.099	387.5	2711
01/09/07	9	14:15	-71 54.0825	173 52.8452	04.6	355.2	1941	1899	10320.0		33.961	-01.093	379.5	2840
01/09/07	9	14:30	-71 52.9541	173 52.5668	04.2	352.7	1968	1926	10316.0		33.911	-01.027	377.1	2856
01/09/07	9	14:45	-71 51.8285	173 52.2995	04.4	351.0	1975	1932	10313.0		33.837	-00.935	370.6	2856
01/09/07	9	15:00	-71 50.7468	173 51.8408	04.6	352.6	2009	1968	10310.0		33.817	-00.829	370.6	2903
01/09/07	9	15:15	-71 49.5905	173 51.3629	04.5	351.6	2023	1978	10306.0		33.839	-00.846	343.1	2982
01/09/07	9	15:30	-71 48.5321	173 50.9683	04.5	355.5	2050	2004	10302.0		33.808	-00.786	341.8	3052
01/09/07	9	1536	-71 47.9800	173 50.8282									3081	sonobuoy ch 12, #25
01/09/07	9	15:45	-71 47.4078	173 50.6790	04.6	354.6	2082	2037	10298.0		33.832	-00.780	347.4	3127
01/09/07	9	16:00	-71 46.2643	173 50.3687	04.8	354.8	2110	2064	10295.0		33.820	-00.913	350.2	3201

01/09/07	9	16:15	-71 45.0325	173 50.0784	04.9	355.9	2121	2079	10291.0		33.811	-00.860	346.0	3278	
01/09/07	9	16:30	-71 43.8720	173 49.7324	04.8	352.7	2137	2092	10290.0		33.812	-00.946	346.0	3352	
01/09/07	9	16:45	-71 42.7277	173 49.2389	04.3	353.8	2123	2080	10289.0		33.816	-00.849	337.9	3427	
01/09/07	9	17:00	-71 41.7000	173 48.9157	04.5	354.9	2042	2004	10291.0		33.794	-00.894	338.2	3500	Roi off, Michelle on
01/09/07	9	17:15	-71 40.5711	173 48.4543	04.2	352.6	2013	1968	10294.0		33.761	-00.886	334.3	3578	
01/09/07	9	17:30	-71 39.5490	173 47.9938	04.2	354.5	2002	1957	10297.0		33.767	-00.930	331.4	3652	
01/09/07	9	17:45	-71 38.4824	173 47.7328	04.3	355.8	1956	1916	10300.0		33.797	-00.911	336.4	3728	
01/09/07	9	18:00	-71 37.4249	173 47.4371	04.2	355.5	1840	1804	10303.0		33.738	-00.807	333.8	3802	
01/09/07	9	18:15	-71 36.3066	173 47.1378	04.7	354.5	1778	1747	10305.0		33.758	-00.856	333.8	3878	
01/09/07	9	18:30	-71 35.1759	173 46.7505	04.5	355.6	1658	1624	10307.0		33.726	-00.724	326.5	3953	
01/09/07	9	18:45	-71 34.0178	173 46.4511	04.7	354.4	1634	1595	10307.0		33.705	-00.721	324.0	4028	
01/09/07	9	19:00	-71 32.8821	173 46.0822	04.5	352.2	1635	1597	10306.0		33.731	-00.772	323.4	4102	
01/09/07	9	19:15	-71 31.7372	173 45.6079	04.7	354.1	1692	1653	10303.0		33.747	-00.828	326.1	4177	
01/09/07	9	19:30	-71 30.5841	173 45.2115	04.7	354.9	1815	1788	10296.0		33.756	-00.756	326.1	4252	
01/09/07	9	19:45	-71 29.4443	173 44.7006	04.8	351.8	2063	2089	10289.0		33.747	-00.822	325.7	4327	
01/09/07	9	20:00	-71 28.3026	173 44.0140	04.5	347.6	2193	2152	10281.0		33.735	-00.838	324.6	4402	Dan off, Sian on
01/09/07	9	20:15	-71 27.1916	173 43.2788	04.5	347.3	2180	2129	10276.0		33.707	-00.841	323.3	4477	
01/09/07	9	20:30	-71 26.1104	173 42.5876	04.4	347.9	2169	2128	10273.0		33.711	-00.815	321.5	4552	
01/09/07	9	20:45	-71 25.0421	173 41.9357	04.3	349.0	2177	2132	10271.0		33.809	-00.760	319.8	4627	
01/09/07	9	21:00	-71 23.9191	173 41.1841	04.6	347.8	2181	2128	10270.0		33.810	-00.708	319.4	4704	
01/09/07	9	21:15	-71 22.7925	173 40.4709	04.8	348.7	2165	2119	10269.0		33.816	-00.679	320.3	4778	
01/09/07	9	21:30	-71 21.6769	173 39.7202	04.4	347.6	2167	2126	10270.0		33.810	-00.788	320.3	4853	
01/09/07	9	21:45	-71 20.5847	173 39.0015	04.6	350.6	2087	2088	10270.0		33.800	-00.735	318.9	4929	
01/09/07	9	22:00	-71 19.4238	173 38.4979	04.4	351.5	2006	1978	10270.0		33.778	-00.601	318.5	5003	
01/09/07	9	22:15	-71 18.2738	173 37.9962	04.2	351.1	2020	1991	10270.0		33.783	-00.632	314.4	5079	
01/09/07	9	22:30	-71 17.3396	173 37.4442	04.2	349.9	2003	1988	10271.0		33.783	-00.691	315.0	5153	
01/09/07	9	22:45	-71 16.2900	173 36.7621	04.5	347.4	2110	2124	10271.0		33.788	-00.634	316.0	5227	
01/09/07	9	23:00	-71 15.1607	173 36.0818	04.5	349.0	2103	2084	10270.0		33.814	-00.650	317.4	5303	Michelle off, Franziska on
01/09/07	9	23:15	-71 14.0772	173 35.4227	04.4	348.2	2253	2208	10269.0		33.831	-00.769	317.4	5379	
01/09/07	9	23:30	-71 12.9826	173 34.7287	04.4	349.5	2257	2214	10266.0		33.816	-00.822	319.0	5454	
01/09/07	9	23:45	-71 11.8744	173 34.1199	04.8	350.4	2275	2229	10264.0		33.797	-00.703	318.9	5529	
01/10/07	10	00:00	-71 10.7556	173 33.4726	04.6	349.1	2277	2230	10263.0		33.808	-00.656	316.2	5602	
01/10/07	10	00:15	-71 09.6281	173 32.7933	04.7	349.0	2274	2227	10262.0		33.806	-00.596	321.0	5677	
01/10/07	10	00:30	-71 08.5025	173 32.1149	04.5	349.3	2262	2217	10261.0		33.831	-00.647	321.5	5753	
01/10/07	10	00:45	-71 07.3723	173 31.4035	04.5	347.0	2260	2215	10261.0		33.796	-00.553	321.4	5828	
01/10/07	10	01:00	-71 06.2952	173 30.7077	04.3	348.1	2258	2212	10261.0		33.798	-00.635	316.1	5903	
01/10/07	10	01:15	-71 05.2089	173 30.0064	04.4	348.8	2260	2220	10260.0		33.816	-00.666	317.0	5978	
01/10/07	10	01:30	-71 04.1208	172 29.3628	04.5	349.9	2256	2210	10259.0		33.800	-00.585	317.6	6054	
01/10/07	10	01:45	-71 03.0157	173 28.7338	04.5	348.7	2253	2214	10259.0		33.793	-00.584	319.3	6127	
01/10/07	10	02:00	-71 01.9002	173 28.0508	04.5	347.7	2236	2187	10258.0		33.800	-00.640	320.5	6202	Sian off, Lisa on
01/10/07	10	02:15	-71 00.8304	173 27.4063	04.4	350.3	2214	2175	10257.0		33.807	-00.589	319.5	6277	
01/10/07	10	02:30	-70 59.7308	173 26.8488	04.5	350.8	2212	2169	10257.0		33.800	-00.548	319.5	6353	
01/10/07	10	02:45	-70 58.6327	173 26.2930	04.3	349.1	2216	2171	10257.0		33.823	-00.569	318.7	6427	
01/10/07	10	03:00	-70 57.5606	173 25.7291	04.5	351.0	2186	2142	10256.0		33.841	-00.629	320.2	6501	
01/10/07	10	03:15	-70 56.4880	173 25.1944	04.4	356.3	2114	2083	10257.0		33.829	-00.566	322.1	6577	
01/10/07	10	03:30	-70 55.6503	173 26.9971	04.2	062.9	2105	2061	10251.0		33.849	-00.630	328.0	6653	
01/10/07	10	03:45	-70 55.1491	173 30.0284	04.4	061.2	2111	2066	10253.0		33.889	-00.782	333.6	6727	
01/10/07	10	04:00	-70 54.6062	173 33.0789	04.4	062.1	2089	2045	10258.0		33.892	-00.819	338.9	6802	
01/10/07	10	04:15	-70 54.0706	173 36.1038	04.6	063.1	2079	2033	10264.0		33.879	-00.844	338.9	6876	
01/10/07	10	04:30	-70 53.5359	173 39.2020	04.7	062.1	2155	2109	10269.0		33.857	-00.755	342.4	6952	
01/10/07	10	04:45	-70 53.0301	173 42.3615	04.7	063.1	2179	2133	10271.0		33.857	-00.798	341.5	7025	
01/10/07	10	05:00	-70 52.4648	173 45.5960	04.7	061.8	2204	2161	10272.0		33.865	-00.787	341.3	7103	Franziska off, Marcel on
01/10/07	10	05:15	-70 51.9305	173 48.7408	04.6	063.9	2231	2185	10272.0		33.868	-00.790	337.3	7179	
01/10/07	10	05:30	-70 51.4124	173 51.8509	04.5	063.6	2278	2230	10269.0		33.873	-00.800	338.3	7252	
01/10/07	10	05:45	-70 50.9038	173 54.9567	04.5	062.5	2286	2239	10268.0		33.861	-00.837	338.3	7327	
01/10/07	10	06:00	-70 50.3784	173 58.0175	04.5	060.2	2326	2280	10268.0		33.863	-00.909	330.4	7403	port turn began
01/10/07	10	06:11													testing the guns
01/10/07	10	06:15	-70 49.6056	174 00.1355	04.2	003.2	2332	2283	10271.0		33.864	-00.836	331.5	7477	turn finished
01/10/07	10	06:26													guns stopped firing, onto line 6
01/10/07	10	06:30	-70 48.5156	174 00.0311	04.6	359.2	2333	2288	10276.0		33.846	-00.764	337.8	120	
01/10/07	10	06:45	-70 47.3328	173 59.8370	04.2	341.9	2331	2282	10275.0		33.843	-00.741	344.3	199	turn started



01/10/07	10	07:00	-70 47.8416	173 57.1765	04.6	278.6	2310	2264	10288.0	33.852	-00.804	341.4	275	ch 27 57B sonobouy #26 deployed, turn finished
01/10/07	10	07:15	-70 46.7065	173 53.6792	04.5	275.9	2292	2247	10290.0	33.847	-00.838	343.6	350	
01/10/07	10	07:30	-70 46.6127	173 50.3128	04.6	275.5	2266	2217	10290.0	33.845	-00.771	343.5	424	
01/10/07	10	07:45	-70 46.5495	173 46.7889	04.7	273.1	2251	2207	10292.0	33.851	-00.795	331.2	501	
01/10/07	10	08:00	-70 46.4626	173 43.2678	04.7	272.5	2240	2194	10295.0	33.872	-00.871	330.6	574	Lisa off, Rose on
01/10/07	10	08:15	-70 46.3733	173 39.4427	04.7	278.2	2080	2038	10299.0	33.874	-00.882	332.6	656	
01/10/07	10	08:30	-70 46.2529	173 36.2439	04.7	277.3	1940	1900	10299.0	33.861	-00.796	330.5	725	
01/10/07	10	08:45	-70 46.1320	173 32.6944	04.7	274.2	1814	1779	10301.0	33.875	-00.795	331.3	800	
01/10/07	10	09:00	-70 46.0565	173 29.2200	04.6	274.6	1594	1560	10301.0	33.871	-00.767	330.6	874	
01/10/07	10	09:15	-70 45.9572	173 25.8215	04.5	276.3	1398	1377	10296.0	33.864	-00.753	330.6	949	
01/10/07	10	09:30	-70 45.8038	173 22.4048	04.6	275.1	2183	2187	10281.0	33.891	-00.643	329.6	1024	
01/10/07	10	09:45	-70 45.6779	173 18.9285	04.5	275.4	2531	2484	10258.0	33.897	-00.854	329.7	1098	
01/10/07	10	10:00	-70 45.5612	173 15.5072	04.6	277.4	2539	2491	10244.0	33.877	-00.815	333.1	1175	
01/10/07	10	10:09												Sonobuoy deployed #27; 57b; channel 12
01/10/07	10	10:15	-70 45.4202	173 12.0850	04.7	276.3	2524	2468	10233.0	33.883	-00.628	332.2	1250	
01/10/07	10	10:30	-70 45.2943	173 08.5245	04.7	280.0	2501	2451	10227.0	33.902	-00.382	330.0	1324	
01/10/07	10	10:45	-70 45.1826	173 05.1022	04.5	269.2	2465	2415	10221.0	34.076	-00.501	330.0	1400	
01/10/07	10	11:00	-70 45.2390	173 01.7871	04.5	265.3	2435	2386	10219.0	33.986	-00.602	329.2	1474	
01/10/07	10	11:15	-70 45.2811	172 58.3914	04.5	267.8	2495	2447	10219.0	33.950	-00.481	328.9	1550	
01/10/07	10	11:30	-70 45.5489	172 55.1212	04.7	249.2	2494	2446	10217.0	33.962	-00.451	328.5	1624	
01/10/07	10	11:45	-70 45.8858	172 51.8774	04.4	251.6	2475	2473	10221.0	34.017	-00.515	338.8	1699	
01/10/07	10	12:00	-70 46.2392	172 48.7500	04.4	251.6	2454	2411	10226.0	34.045	-00.550	333.8	1774	
01/10/07	10	12:15	-70 46.6306	172 45.5054	04.5	249.4	2494	2444	10231.0	34.049	-00.301	333.4	1854	
01/10/07	10	12:30	-70 46.9844	172 42.3038	04.3	251.9	2520	2471	10240.0	34.070	-00.289	333.4	1924	
01/10/07	10	12:45	-70 47.3355	172 39.2184	04.5	248.8	2546	2498	10249.0	34.073	-00.331	338.0	1999	
01/10/07	10	13:00	-70 47.7411	172 36.0077	04.6	250.7	2536	2491	10263.0	34.039	-00.209	336.4	2074	
01/10/07	10	13:15	-70 48.1288	172 32.7722	04.5	247.7	2174	2109	10280.0	34.041	-00.326	333.6	2148	
01/10/07	10	13:30	-70 48.5037	172 29.4571	04.7	250.8	1746	1713	10295.0	34.017	-00.255	331.6	2228	
01/10/07	10	13:45	-70 48.8631	172 26.1383	04.3	250.4	1718	1692	10301.0	33.994	-00.320	328.2	2299	
01/10/07	10	14:00	-70 49.1812	172 23.2452	04.5	251.0	1856	1880	10301.0	33.986	-00.317	328.0	2368	
01/10/07	10	14:15	-70 49.5937	172 19.7104	04.5	251.0	2049	2013	10293.0	33.988	-00.366	326.1	2449	
01/10/07	10	14:30	-70 49.9979	172 16.4557	04.5	248.3	2125	2084	10287.0	33.983	-00.256	326.2	2525	
01/10/07	10	14:45	-70 50.3618	172 13.2220	04.6	251.4	2182	2137	10283.0	33.984	-00.309	327.3	2599	
01/10/07	10	14:56												sonobuoy 57B launched #28, ch. 31
01/10/07	10	15:00	-70 50.7394	172 10.0342	04.5	249.6	2232	2186	10279.0	33.986	-00.327	327.2	2673	
01/10/07	10	15:15	-70 51.0960	172 06.7566	04.5	252.5	2296	2249	10276.0	33.998	-00.432	325.8	2750	
01/10/07	10	15:30	-70 51.4536	172 03.5339	04.5	250.7	2299	2252	10274.0	34.005	-00.355	325.1	2824	
01/10/07	10	15:45	-70 51.8298	172 00.2737	04.5	251.2	2322	2278	10272.0	34.001	-00.362	325.1	2900	
01/10/07	10	16:00	-70 52.1947	171 57.0648	04.4	251.6	2329	2284	10269.0	33.996	-00.274	325.5	2974	
01/10/07	10	16:15	-70 52.5380	171 53.9236	04.4	253.6	2328	2281	10267.0	34.023	-00.329	327.9	3049	
01/10/07	10	16:30	-70 52.9124	171 50.9482	04.5	235.2	2343	2297	10264.0	34.051	-00.512	333.8	3123	
01/10/07	10	16:45	-70 53.7794	171 48.6658	04.5	211.3	2350	2302	10256.0	34.061	-00.227	338.3	3199	xbt #116
01/10/07	10	17:00	-70 54.7911	171 46.9958	04.7	205.0	2344	2296	10254.0	34.056	-00.124	339.2	3274	
01/10/07	10	17:15	-70 55.7986	171 45.3369	04.5	208.5	2360	2312	10252.0	34.046	-00.105	337.2	3352	
01/10/07	10	17:30	-70 56.7320	171 43.6752	04.4	210.0	2347	2298	10251.0	33.996	-00.229	337.2	3427	Sonobuoy on channel 26, #29
01/10/07	10	17:45	-70 57.6797	171 42.1674	04.2	206.8	2336	2289	10250.0	33.987	-00.061	327.8	3499	
01/10/07	10	18:00	-70 58.7215	171 40.5981	04.9	205.0	2327	2279	10249.0	33.997	-00.169	326.1	3575	
01/10/07	10	18:15	-70 59.7546	171 38.8806	04.2	213.9	2311	2262	10249.0	33.979	-00.050	328.2	3649	
01/10/07	10	18:30	-71 00.6606	171 37.2025	04.2	210.0	2292	2245	10249.0	33.961	-00.114	324.7	3724	
01/10/07	10	18:45	-71 01.6132	171 35.5829	04.9	210.8	2285	2237	10248.0	33.957	-00.085	324.7	3800	
01/10/07	10	19:00	-71 02.5768	171 33.9587	04.1	205.1	2126	2035	10249.0	33.961	-00.181	324.7	3875	
01/10/07	10	19:15	-71 03.5751	171 33.2492	04.3	185.4	2176	2128	10246.0	33.952	-00.204	324.5	3950	
01/10/07	10	19:30	-71 04.6129	171 33.5458	04.2	165.2	2182	2134	10243.0	33.954	-00.259	328.6	4024	
01/10/07	10	19:45	-71 05.6200	171 34.5822	04.3	158.8	2180	2133	10241.0	33.960	-00.240	328.1	4100	
01/10/07	10	20:00	-71 06.4000	171 36.7584	04.4	120.3	2218	2171	10237.0	33.962	-00.375	328.2	4174	Dan off
01/10/07	10	20:15	-71 06.7140	171 40.0983	04.8	092.5	2224	2177	10234.0	33.969	-00.396	328.4	4250	Sian On
01/10/07	10	20:30	-71 06.4966	171 43.4207	04.4	062.4	2245	2197	10235.0	33.952	-00.280	328.3	4324	
01/10/07	10	20:45	-71 05.9267	171 46.2854	04.3	060.3	2270	2222	10237.0	33.949	-00.291	328.3	4399	
01/10/07	10	21:00	-71 05.3302	171 48.9670	04.2	053.6	2295	2247	10238.0	33.947	-00.277	328.5	4475	
01/10/07	10	21:15	-71 04.7040	171 51.5506	04.1	052.3	2312	2264	10240.0	33.969	-00.283	329.8	4550	
01/10/07	10	21:30	-71 04.1039	171 54.0509	04.1	052.4	2325	2276	10242.0	33.931	-00.249	328.7	4624	

01/10/07	10	21:45	-71 03.5083	171 56.8240	04.4	059.0	2334	2286	10243.0		33.943	-00.337	327.1	4699	
01/10/07	10	22:00	-71 03.0034	171 59.7711	04.3	067.4	2343	2296	10244.0		33.927	-00.275	327.0	4774	
01/10/07	10	22:15	-71 02.6802	172 03.0048	04.2	078.0	2353	2304	10245.0		33.934	-00.307	327.5	4850	
01/10/07	10	22:30	-71 02.4358	172 06.1990	04.2	077.0	2358	2313	10247.0		33.916	-00.348	327.5	4924	
01/10/07	10	22:45	-71 02.2128	1072 09.3713	04.3	079.2	2357	2307	10249.0		33.908	-00.354	331.7	4999	
01/10/07	10	23:00	-71 01.9812	172 12.6215	04.4	076.7	2329	2279	10251.0		33.895	-00.277	330.0	5074	Michelle off, Franziska on
01/10/07	10	23:15	-71 01.7400	172 15.9338	04.4	082.7	2344	2295	10251.0		33.881	-00.412	326.6	5149	
01/10/07	10	23:30	-71 01.5138	172 19.2691	04.6	075.4	2333	2285	10251.0		33.867	-00.475	327.2	5224	
01/10/07	10	23:45	-71 01.2506	172 22.6483	04.4	076.8	2321	2273	10249.0		33.848	-00.465	323.7	5300	
01/11/07	11	00:00	-71 01.0062	172 26.0303	04.6	075.9	2360	2314	10247.0		33.851	-00.364	323.7	5374	
01/11/07	11	00:15	-71 00.7402	172 29.4727	04.6	076.4	2392	2343	10247.0		33.870	-00.346	322.1	5449	
01/11/07	11	00:30	-71 00.4912	172 32.8006	04.4	077.4	2432	2381	10247.0		33.901	-00.297	322.3	5524	
01/11/07	11	00:45	-71 00.2559	172 36.2283	04.7	079.4	2402	2355	10246.0		33.894	-00.258	326.7	5599	
01/11/07	11	01:00	-71 00.0009	172 39.6927	04.5	076.7	2406	2357	10243.0		33.918	-00.336	325.6	5674	
01/11/07	11	01:15	-70 59.7299	172 43.0856	04.6	079.2	2409	2357	10240.0		33.896	-00.379	318.3	5749	
01/11/07	11	01:30	-70 59.5965	172 46.4584	04.4	076.3	2385	2346	10237.0		33.945	-00.261	315.3	5824	
01/11/07	11	01:45	-70 59.2648	172 49.8257	04.4	078.5	2399	2347	10235.0		33.992	-00.434	315.3	5899	
01/11/07	11	02:00	-70 59.0538	172 53.0502	04.3	076.2	2402	2355	10232.0		33.919	-00.462	324.4	5972	Sian off, Lisa on
01/11/07	11	02:15	-70 58.7737	172 56.4523	04.5	075.0	2418	2365	10230.0		33.904	-00.453	326.3	6049	
01/11/07	11	02:30	-70 58.4880	172 59.7629	04.4	077.9	2427	2365	10230.0		33.848	-00.610	321.4	6124	
01/11/07	11	02:45	-70 58.2335	173 03.1403	04.7	077.8	2432	2372	10229.0		33.830	-00.611	319.0	6200	
01/11/07	11	03:00	-70 57.9776	173 06.5387	04.5	078.0	2471	2421	10230.0		33.812	-00.556	318.6	6275	
01/11/07	11	03:15	-70 57.7341	173 09.9425	04.5	077.6	2483	2439	10232.0		33.824	-00.500	318.2	6350	
01/11/07	11	03:30	-70 57.5047	173 13.1708	04.6	077.5	2291	2246	10234.0		33.828	-00.535	318.3	6421	
01/11/07	11	03:45	-70 57.1861	173 16.8236	04.7	075.7	2248	2204	10235.0		33.820	-00.574	317.9	6500	
01/11/07	11	04:00	-70 56.8922	173 20.2496	04.6	076.6	2206	2185	10238.0		33.826	-00.610	319.2	6574	
01/11/07	11	04:15	-70 56.6574	173 23.5035	04.4	076.0	2293	2156	10241.0		33.846	-00.607	322.3	6650	
01/11/07	11	04:30	-70 56.4345	173 26.8497	04.6	077.5	2120	2074	10244.0		33.845	-00.608	323.8	6724	
01/11/07	11	04:45	-70 56.1740	173 30.1218	04.7	075.9	2175	2130	10249.0		33.841	-00.644	323.1	6795	
01/11/07	11	05:00	-70 55.8778	173 33.7500	04.7	075.9	2136	2094	10253.0		33.835	-00.600	323.1	6874	
01/11/07	11	05:15	-70 55.6343	173 37.1872	04.6	077.9	2104	2059	10259.0		33.857	-00.661	325.1	6949	
01/11/07	11	05:30	-70 55.3820	173 40.4958	04.7	076.8	2164	2123	10264.0		33.867	-00.728	331.0	7022	
01/11/07	11	05:45	-70 55.1147	173 43.9343	04.7	077.1	2207	2161	10267.0		33.882	-00.848	336.7	7097	
01/11/07	11	06:00	-70 54.8424	173 47.5076	04.7	078.2	2220	2172	10269.0		33.858	-00.805	342.4	7174	
01/11/07	11	06:15	-70 54.5833	173 50.8658	04.4	076.8	2240	2192	10270.0		33.847	-00.777	342.1	7249	
01/11/07	11	06:30	-70 54.2986	173 54.1653	04.8	072.9	2305	2253	10269.0		33.844	-00.735	342.5	7325	
01/11/07	11	06:45	-70 54.0124	173 57.5905	04.4	079.9	2325	2279	10266.0		33.835	-00.757	342.5	7399	
01/11/07	11	07:00	-70 53.8853	173 00.7665	04.3	082.8	2354	2309	10266.0		33.860	-00.790	339.3	7473	
01/11/07	11	07:15	-70 53.6430	173 04.0734	04.4	074.1	2366	2317	10267.0		33.845	-00.764	338.2	7550	
01/11/07	11	07:30	-70 53.3890	174 07.2958	04.4	076.5	2374	2326	10268.0		33.844	-00.767	338.6	7625	
01/11/07	11	07:45	-70 53.1253	174 10.5460	04.5	077.6	2348	2308	10268.0		33.851	-00.724	334.8	7700	
01/11/07	11	08:00	-70 52.8616	174 13.8620	04.5	075.5	2396	2350	10268.0		33.843	-00.776	327.3	7773	
01/11/07	11	08:15	-70 52.5865	174 17.0856	04.2	076.3	2428	2381	10267.0		33.846	-00.806	327.5	7848	
01/11/07	11	08:30	-70 52.3347	174 20.4291	04.5	077.3	2427	2376	10265.0		33.849	-00.885	343.5	7926	
01/11/07	11	08:45	-70 52.3009	174 23.6197	04.2	100.7	2436	2384	10263.0		33.849	-00.925	346.7	7999	
01/11/07	11	08:51													Seismic Line #7
01/11/07	11	09:00	-70 52.8177	174 26.1136	04.1	142.6	2431	2380	10266.0		33.862	-00.921	346.8	148	Sonobouy deployed #30; 57b; channel 30
01/11/07	11	09:15	-70 53.7772	174 27.4356	04.2	167.5	2425	2370	10271.0		33.871	-00.937	350.0	224	
01/11/07	11	09:30	-70 54.8209	174 27.9831	04.1	170.1	2418	2369	10274.0		33.862	-00.917	348.1	298	
01/11/07	11	09:41													Sonobouy deployed #31; 57b; channel 22
01/11/07	11	09:45	-70 55.8884	174 28.5421	04.7	169.7	2410	2361	10276.0		33.862	-00.915	345.3	373	
01/11/07	11	10:00	-70 56.9820	174 29.1888	04.3	169.2	2407	2356	10277.0		33.862	-00.923	345.3	447	
01/11/07	11	10:15	-70 57.9932	174 29.7125	04.0	172.4	2398	2347	10279.0		33.867	-00.883	345.0	522	
01/11/07	11	10:30	-70 59.0826	174 29.9817	04.5	173.6	2384	2330	10282.0		33.858	-00.936	340.6	597	
01/11/07	11	10:45	-71 00.2083	174 30.3552	04.7	174.7	2375	2323	10283.0		33.863	-00.919	347.0	677	
01/11/07	11	11:00	-71 01.2749	174 29.8315	04.3	204.6	2360	2312	10288.0		33.869	-00.935	348.5	749	
01/11/07	11	11:15	-71 02.3026	174 28.2101	04.2	220.7	2340	2295	10292.0		33.862	-00.957	347.8	822	
01/11/07	11	11:30	-71 02.6779	174 24.9811	04.3	256.4	2337	2287	10304.0		33.869	-00.957	347.4	896	
01/11/07	11	11:45	-71 02.4416	174 21.6110	04.7	257.8	2314	2266	10304.0		33.866	-00.933	347.4	975	
01/11/07	11	11:53													sonobouy #32 ch 31
01/11/07	11	12:00	-71 03.2419	174 18.1329	04.6	254.1	2308	2255	10300.0		33.861	-00.949	349.6	1049	

01/11/07	11	12:15	-71 03.5284	174 14.7079	04.6	254.6	2312	2268	10301.0		33.844	-00.876	346.9	1124	
01/11/07	11	12:30	-71 03.8091	174 11.0229	04.8	255.5	2284	2241	10300.0		33.851	-00.887	333.6	1199	
01/11/07	11	12:45	-71 04.1039	174 07.7527	04.8	253.1	2174	2139	10298.0		33.845	-00.848	327.5	1272	
01/11/07	11	13:00	-71 04.4106	174 04.3689	04.4	257.8	2183	2163	10299.0		33.849	-00.795	326.7	1347	
01/11/07	11	13:15	-71 04.6870	174 01.1160	04.5	255.7	2304	2234	10296.0		33.874	-00.818	326.7	1422	
01/11/07	11	13:30	-71 04.9521	173 57.8091	04.6	255.8	2224	2173	10292.0		33.859	-00.869	327.3	1497	
01/11/07	11	13:45	-71 05.2501	173 54.4647	04.5	253.5	2222	2173	10291.0		33.857	-00.826	326.6	1572	
01/11/07	11	14:00	-71 05.5614	173 51.2375	04.7	253.2	2213	2164	10288.0		33.845	-00.783	324.8	1647	
01/11/07	11	14:15	-71 05.8598	173 47.7942	04.5	256.7	2210	2174	10284.0		33.843	-00.774	322.0	1722	
01/11/07	11	14:30	-71 06.1230	173 44.4040	04.7	254.7	2225	2180	10280.0		33.834	-00.738	321.8	1797	
01/11/07	11	14:45	-71 06.4687	173 41.0165	04.7	256.5	2279	2235	10275.0		33.840	-00.795	320.1	1872	
01/11/07	11	15:00	-71 06.8051	173 37.6300	04.5	252.1	2277	2232	10273.0		33.844	-00.690	320.1	1949	
01/11/07	11	15:15	-71 07.1201	173 34.1565	04.5	253.2	2270	2218	10271.0		33.838	-00.688	320.6	2023	
01/11/07	11	15:30	-71 07.4190	173 30.9485	04.6	256.8	2255	2209	10271.0		33.807	-00.598	320.3	2098	
01/11/07	11	15:45	-71 07.6474	173 27.4823	04.5	257.8	2221	2179	10273.0		33.808	-00.441	316.0	2178	
01/11/07	11	16:00	-71 07.9459	173 24.2001	04.4	253.3	2236	2183	10275.0		33.817	-00.418	317.9	2248	
01/11/07	11	16:15	-71 08.2764	173 20.8118	04.7	252.2	2212	2164	10280.0		33.804	-00.482	316.3	2322	
01/11/07	11	16:30	-71 08.6105	173 17.4005	04.7	255.1	2193	2150	10288.0		33.805	-00.594	314.5	2397	
01/11/07	11	16:45	-71 08.8857	173 13.9069	04.8	258.6	2125	2081	10292.0		33.814	-00.521	314.5	2471	
01/11/07	11	17:00	-71 09.1731	173 10.2731	04.9	254.5	2189	2147	10295.0		33.815	-00.385	314.8	2547	Roi off, Michelle on
01/11/07	11	17:15	-71 09.5224	173 06.9580	04.4	250.2	2187	2083	10292.0		33.831	-00.321	316.3	2623	
01/11/07	11	17:30	-71 09.8557	173 03.6996	04.3	260.4	2317	2270	10292.0		33.834	-00.516	316.5	2698	
01/11/07	11	17:45	-71 10.0575	173 00.4193	04.4	256.0	2329	2290	10290.0		33.845	-00.328	316.9	2773	
01/11/07	11	18:00	-71 10.3175	172 57.0319	04.4	257.9	2304	2256	10290.0		33.870	-00.585	314.2	2848	
01/11/07	11	18:15	-71 10.6197	172 53.6719	04.4	253.7	2333	2285	10289.0		33.842	-00.419	314.2	2923	
01/11/07	11	18:30	-71 10.9058	172 50.3339	04.4	255.3	2324	2274	10287.0		33.868	-00.391	315.6	2998	
01/11/07	11	18:45	-71 11.2006	172 47.1011	04.5	256.6	2359	2311	10286.0		33.856	-00.613	319.5	3073	
01/11/07	11	19:00	-71 11.4839	172 43.7082	04.5	253.1	2351	2300	10286.0		33.859	-00.557	318.2	3148	
01/11/07	11	19:15	-71 11.8030	172 40.3583	04.4	253.6	2339	2292	10284.0		33.880	-00.365	316.9	3223	
01/11/07	11	19:30	-71 12.0987	172 37.1466	04.2	254.0	2350	2307	10282.0		33.929	-00.285	322.8	3298	
01/11/07	11	19:45	-71 12.4365	172 34.0851	04.3	244.2	2322	2276	10279.0		33.852	-00.489	322.2	3375	
01/11/07	11	20:00	-71 12.9817	172 31.1087	04.6	238.2	2301	2256	10279.0		33.827	-00.569	322.2	3448	
01/11/07	11	20:15	-71 13.6702	172 28.2568	04.7	232.0	2310	2261	10278.0		33.844	-00.562	328.0	3523	
01/11/07	11	20:30	-71 14.3880	172 25.4883	04.5	230.7	2300	2251	10279.0		33.873	-00.608	332.7	3598	
01/11/07	11	20:45	-71 15.1236	172 22.8659	04.6	229.8	2270	2225	10280.0		33.870	-00.269	334.1	3673	
01/11/07	11	21:00	-71 15.8592	172 20.2551	04.3	228.4	2236	2193	10282.0		33.949	-00.268	341.0	3748	
01/11/07	11	21:15	-71 16.5921	172 17.6349	04.5	228.6	2194	2154	10283.0		33.968	-00.352	342.0	3822	
01/11/07	11	21:30	-71 17.3369	172 15.0897	04.5	227.4	2209	2162	10284.0		33.961	-00.326	342.3	3898	
01/11/07	11	21:45	-71 18.0624	172 12.6480	04.2	228.8	2124	2070	10288.0		33.906	-00.286	335.7	3973	
01/11/07	11	22:00	-71 18.7967	172 10.1157	04.5	230.8	1987	1951	10290.0		33.893	-00.319	331.7	4048	
01/11/07	11	22:15	-71 19.5200	172 07.5000	04.6	230.5	1862	1825	10293.0		33.919	-00.374	332.5	4122	
01/11/07	11	22:30	-71 20.2776	172 04.8331	04.5	225.7	1593	1462	10294.0		33.928	-00.365	335.8	4198	
01/11/07	11	22:45	-71 21.0393	172 02.3373	04.5	227.6	1888	1850	10295.0		33.944	-00.297	336.8	4273	
01/11/07	11	23:00	-71 21.7731	171 59.7629	04.6	228.1	1808	1779	10296.0		34.037	-00.341	344.9	4348	Michelle off, Franziska on
01/11/07	11	23:15	-71 22.5343	171 57.0703	04.5	227.9	1537	1509	10304.0		34.159	-00.293	344.9	4423	
01/11/07	11	23:30	-71 23.4622	171 55.3262	04.7	178.2	1197	1142	10311.0		34.282	-00.181	415.4	4498	
01/11/07	11	23:34	-71 23.7877	171 55.6577											XBT T5
01/11/07	11	23:45	-71 24.4839	171 56.8259	04.6	152.2	955	935	10314.0		34.308	-00.225	432.3	4572	
01/12/07	12	00:00	-71 25.4961	171 58.4344	04.5	153.3	1017	1014	10319.0		34.278	-00.305	426.3	4647	
01/12/07	12	00:15	-71 26.0192	172 01.1389	04.5	071.1	1009	993	10132.0		34.262	-00.055	424.2	4724	
01/12/07	12	00:30	-71 25.7002	172 04.4659	04.3	074.5	1408	1392	10298.0		34.280	-00.296	427.4	4798	
01/12/07	12	00:45	-71 25.3816	172 07.7591	04.5	075.6	1643	1603	10289.0		34.194	-00.238	424.2	4872	
01/12/07	12	01:00	-71 25.1120	172 11.1511	04.5	078.3	1769	1730	10285.0		34.177	-00.234	424.2	4948	
01/12/07	12	01:15	-71 24.8470	172 14.4919	04.2	076.1	1858	1814	10283.0		34.190	-00.278	398.0	5022	
01/12/07	12	01:30	-71 24.5650	172 17.9242	04.8	076.5	1926	1890	10280.0		34.000	-00.077	375.3	5097	
01/12/07	12	01:45	-71 24.2812	172 21.3885	04.4	074.0	2104	2051	10279.0		33.955	-00.180	345.5	5172	
01/12/07	12	02:00	-71 23.9616	172 25.0635	04.6	075.6	2059	2018	10278.0		33.980	-00.047	343.4	5252	
01/12/07	12	02:15	-71 23.7109	172 28.2665	04.5	075.6	2075	2035	10278.0		34.001	-00.116	349.9	5325	
01/12/07	12	02:30	-71 23.4265	172 31.6919	04.5	073.9	2047	2009	10278.0		34.001	-00.142	349.9	5397	Sonobouy deployed, model 57, Channel 27
01/12/07	12	02:45	-71 23.1381	172 35.1791	04.6	076.1	2213	2170	10277.0		33.962	-00.085	342.3	5472	
01/12/07	12	03:00	-71 22.8831	172 38.6654	04.6	077.7	2178	2133	10276.0		33.937	-00.142	342.0	5547	

01/12/07	12	03:15	-71 22.6213	172 42.1335	04.5	075.2	2231	2190	10276.0	33.898	-00.301	337.7	5621	
01/12/07	12	03:30	-71 22.3444	172 45.5429	04.5	074.0	2214	2167	10276.0	33.895	-00.284	339.2	5697	
01/12/07	12	03:45	-71 22.0377	172 48.8246	04.3	072.5	2208	2156	10277.0	33.911	-00.315	338.6	5771	
01/12/07	12	04:00	-71 21.7616	172 52.2274	04.7	078.6	2162	2115	10278.0	33.926	-00.472	340.4	5847	
01/12/07	12	04:15	-71 21.5144	172 55.1345	04.6	076.7	2100	2054	10281.0	33.851	-00.495	340.4	5922	
01/12/07	12	04:30	-71 21.1977	172 59.0909	04.4	075.0	2100	2052	10283.0	33.915	-00.428	335.8	5997	
01/12/07	12	04:45	-71 20.9372	173 02.3071	04.5	079.6	2081	2035	10284.0	33.877	-00.339	338.3	6073	
01/12/07	12	05:00	-71 20.6446	173 05.6607	04.4	077.4	2103	2061	10283.0	33.855	-00.469	334.7	6147	Franzi off, Marcel on
01/12/07	12	05:15	-71 20.4419	173 09.0246	04.6	074.5	2097	2050	10283.0	33.820	-00.377	324.7	6221	
01/12/07	12	05:30	-71 20.1041	173 12.5583	04.8	073.6	2084	1037	10282.0	33.840	-00.408	325.6	6297	
01/12/07	12	05:45	-71 19.7598	173 16.0678	04.7	076.6	2074	2031	10281.0	33.869	-00.450	326.4	6372	
01/12/07	12	06:00	-71 19.5406	173 19.5673	04.5	074.2	2048	2001	10280.0	33.820	-00.322	326.4	6447	
01/12/07	12	06:15	-71 19.2632	173 22.0045	04.5	076.6	2237	2191	10272.0	33.851	-00.465	329.4	6522	
01/12/07	12	06:30	-71 18.9847	173 26.3324	04.4	072.9	2209	2162	10267.0	33.804	-00.389	322.0	6597	
01/12/07	12	06:45	-71 18.7083	173 29.3472	04.3	075.6	2198	2152	10261.0	33.779	-00.223	316.3	6665	
01/12/07	12	07:00	-71 18.4799	173 32.8665	04.5	077.9	2230	2180	10257.0	33.819	-00.269	318.2	6775	
01/12/07	12	07:15	-71 18.2208	173 36.4142	04.4	074.2	2133	2107	10258.0	33.789	-00.312	317.1	6822	
01/12/07	12	07:30	-71 17.9473	173 39.5874	04.4	076.5	2037	2074	10259.0	33.803	-00.354	317.1	6895	
01/12/07	12	07:45	-71 17.6743	173 42.7051	04.4	073.1	2151	2102	10258.0	33.806	-00.420	317.3	6966	
01/12/07	12	08:00	-71 17.4083	173 45.8587	04.5	075.1	2168	2130	10257.0	33.827	-00.414	319.6	7038	Lisa off, Rose on
01/12/07	12	08:15	-71 17.1080	173 49.7351	04.4	075.7	2184	2135	10257.0	33.842	-00.510	320.8	7124	
01/12/07	12	08:30	-71 16.8526	173 53.0993	04.4	077.9	2178	2131	10259.0	33.847	-00.474	321.2	7198	
01/12/07	12	08:45	-71 16.5825	173 56.4175	04.2	076.0	2155	2110	10264.0	33.857	-00.527	322.7	7274	
01/12/07	12	09:00	-71 16.2941	173 59.5221	04.3	073.4	2161	2110	10268.0	33.844	-00.474	322.2	7347	
01/12/07	12	09:15	-71 15.9773	174 02.6459	04.3	072.8	2180	2133	10271.0	33.855	-00.538	322.2	7422	
01/12/07	12	09:30	-71 15.7109	174 05.8649	04.3	077.8	2192	2149	10272.0	33.854	-00.510	320.6	7497	
01/12/07	12	09:45	-71 15.4605	174 09.0894	04.4	076.3	2238	2192	10273.0	33.851	-00.529	321.4	7572	
01/12/07	12	10:00	-71 15.4449	174 12.5363	04.6	103.7	2244	2194	10273.0	33.861	-00.541	322.1	7646	
01/12/07	12	10:10												Stop line 7; start line 8
01/12/07	12	10:15	-71 15.9897	174 15.6821	04.6	135.7	2232	2185	10276.0	33.873	-00.570	324.2	114	
01/12/07	12	10:24												Sonobouy deployed, channel 12 #34; 57b
01/12/07	12	10:30	-71 16.9629	174 17.3740	04.6	166.0	2231	2183	10282.0	33.878	-00.573	324.6	188	
01/12/07	12	10:45	-71 18.0968	174 18.0606	04.7	170.8	2213	2160	10285.0	33.869	-00.614	324.6	264	
01/12/07	12	11:00	-71 19.2453	174 18.6374	04.4	170.4	2244	2191	10286.0	33.878	-00.687	326.2	339	
01/12/07	12	11:15	-71 20.4144	174 19.3872	04.4	167.9	2252	2200	10285.0	33.871	-00.722	329.7	418	
01/12/07	12	11:30	-71 21.4526	174 20.0363	04.4	167.1	2263	2216	10286.0	33.872	-00.607	329.4	490	
01/12/07	12	11:45	-71 22.5476	174 20.8273	04.6	167.2	2245	2198	10286.0	33.868	-00.575	326.3	564	
01/12/07	12	12:00	-71 23.6453	174 21.6641	04.6	166.6	2223	2176	10286.0	33.870	-00.580	323.3	641	
01/12/07	12	12:15	-71 24.7302	174 22.5073	04.6	167.5	2215	2172	10287.0	33.865	-00.601	323.7	714	
01/12/07	12	12:30	-71 25.8064	174 23.3130	04.5	169.5	2217	2172	10288.0	33.856	-00.608	323.7	788	
01/12/07	12	12:45	-71 26.8922	174 24.0894	04.6	165.7	2219	2171	10288.0	33.860	-00.561	322.2	865	
01/12/07	12	13:00	-71 27.9941	174 24.9307	04.7	166.1	2214	2170	10289.0	33.888	-00.664	329.1	939	
01/12/07	12	13:15	-71 29.0767	174 25.7190	04.3	167.5	2229	2189	10289.0	33.879	-00.568	330.0	1013	
01/12/07	12	13:30	-71 30.1437	174 26.5942	04.7	165.6	2290	2241	10289.0	33.908	-00.699	329.8	1089	
01/12/07	12	13:45	-71 31.2442	174 27.4667	04.5	166.8	2234	2190	10291.0	33.939	-00.765	338.7	1165	
01/12/07	12	14:00	-71 32.3392	174 28.3118	04.4	165.4	2235	2185	10292.0	33.924	-00.680	339.6	1238	
01/12/07	12	14:15	-71 33.4126	174 29.1641	04.5	164.8	2236	2188	10293.0	33.923	-00.745	339.6	1316	
01/12/07	12	14:30	-71 34.4806	174 30.1190	04.5	164.3	2232	2185	10294.0	33.938	-00.726	338.8	1389	
01/12/07	12	14:45	-71 35.5632	174 30.8716	04.5	165.8	2227	2179	10296.0	33.946	-00.767	338.9	1466	
01/12/07	12	15:00	-71 36.6412	174 31.6699	04.3	169.3	2224	2176	10297.0	33.965	-00.772	344.3	1540	
01/12/07	12	15:15	-71 37.7509	174 32.4097	04.3	168.3	2215	2167	10299.0	33.973	-00.769	353.2	1614	
01/12/07	12	15:30	-71 38.8820	174 33.2538	04.8	164.1	2207	2160	10300.0	33.982	-00.767	353.4	1688	
01/12/07	12	15:45	-71 39.9440	174 34.1455	04.4	164.7	2201	2154	10301.0	33.983	-00.684	354.4	1764	15:51 turn to the west
01/12/07	12	16:00	-71 41.0303	174 34.1739	04.6	210.8	2191	2144	10307.0	33.944	-00.757	346.2	1841	
01/12/07	12	16:15	-71 41.4656	174 31.0071	04.7	261.4	2191	2144	10315.0	33.941	-00.752	342.0	1913	
01/12/07	12	16:30	-71 41.6528	174 27.2635	04.8	261.5	2180	2133	10315.0	33.950	-00.770	343.9	1989	
01/12/07	12	16:36	-71 41.7696	174 25.4438									2015	The seismic software is no longer recording. There is a glitch
01/12/07	12	16:40	-71 41.8506	174 24.2880									2023	guns back online
01/12/07	12	16:45	-71 41.8945	174 23.6884	04.4	257.4	2158	2111	10313.0	33.954	-00.822	342.0	2046	sonobuoy (57B) away. Channel 30. #35 - good - on aux ch. Of recorder
01/12/07	12	16:50												sonobuoy (57B) away. Channel 15. #36 - good - on aux ch. Of recorder
01/12/07	12	17:00	-71 42.1669	174 20.2798	04.6	254.1	2144	2098	10312.0	33.944	-00.734	345.0	2121	

01/12/07	12	17:15	-71 42.4567	174 16.7395	04.4	257.1	2139	2094	10312.0		33.936	-00.750	346.2	2195	
01/12/07	12	17:30	-71 42.7084	174 13.2504	04.4	258.0	2132	2087	10312.0		33.935	-00.748	346.2	2271	
01/12/07	12	17:45	-71 42.9716	174 09.8657	04.4	254.8	2120	2073	10310.0		33.938	-00.772	341.0	2354	
01/12/07	12	18:00	-71 43.2381	174 06.3922	04.5	257.2	2114	2069	10309.0		33.932	-00.782	340.2	2420	
01/12/07	12	18:15	-71 43.5191	174 02.8326	04.6	255.0	2106	2059	10308.0		33.940	-00.839	339.2	2498	
01/12/07	12	18:30	-71 43.7924	173 59.3069	04.4	255.5	2099	2053	10306.0		33.924	-00.644	340.3	2570	
01/12/07	12	18:45	-71 44.0538	173 55.7721	04.5	257.8	2094	2049	10304.0		33.930	-00.640	338.4	2646	
01/12/07	12	19:00	-71 44.3147	173 52.3911	04.5	255.8	2099	2062	10301.0		33.932	-00.628	337.6	2720	
01/12/07	12	19:15	-71 44.5734	173 49.0237	04.3	256.0	2130	2083	10299.0		33.931	-00.767	337.6	2795	
01/12/07	12	19:30	-71 44.8430	173 45.7224	04.3	257.7	2122	2080	10297.0		33.929	-00.673	337.9	2870	
01/12/07	12	19:45	-71 45.0851	173 42.3862	04.3	257.4	2093	2056	10297.0		33.948	-00.727	339.2	2945	
01/12/07	12	20:00	-71 45.3749	173 39.0756	04.4	252.7	2106	2060	10297.0		33.934	-00.657	338.1	3020	
01/12/07	12	20:06	-71 45.5200	173 37.6291											XBT #119 in the water
01/12/07	12	20:15	-71 45.7022	173 35.7955	04.3	252.1	2103	2059	10298.0		33.942	-00.720	339.2	3094	Danny Off, Sian On
01/12/07	12	20:30	-71 45.9311	173 32.4161	04.0	260.6	2080	2025	10299.0		33.959	-00.464	350.1	3171	
01/12/07	12	20:45	-71 46.1320	173 29.3015	04.1	256.2	2033	2010	10300.0		33.986	-00.576	350.1	3245	
01/12/07	12	21:00	-71 46.3857	173 25.9872	04.3	255.4	1990	1948	10301.0		34.007	-00.636	350.2	3320	
01/12/07	12	21:15	-71 46.6461	173 22.6822	04.2	256.0	2038	1994	10302.0		34.059	-00.593	354.4	3395	
01/12/07	12	21:30	-71 46.8919	173 19.2984	04.4	257.7	2032	1986	10302.0		34.110	-00.383	372.2	3470	
01/12/07	12	21:45	-71 47.1561	173 15.9668	04.4	254.0	2018	1972	10303.0		34.127	-00.242	375.8	3545	
01/12/07	12	22:00	-71 47.4261	173 12.5885	04.3	256.2	1993	1949	10305.0		34.233	-00.138	393.2	3621	
01/12/07	12	22:15	-71 47.6578	173 09.3127	04.1	256.2	1929	1896	10305.0		34.222	-00.183	399.1	3695	
01/12/07	12	22:30	-71 47.9109	173 06.0480	04.3	255.9	1902	1860	10306.0		34.215	-00.186	399.1	3770	
01/12/07	12	22:45	-71 48.1902	173 02.6605	04.4	253.0	1858	1815	10307.0		34.223	-00.164	400.1	3845	
01/12/07	12	23:00	-71 48.4836	172 59.2758	04.5	256.0	1856	1813	10307.0		34.227	-00.148	401.3	3920	Michelle off, Franziska on
01/12/07	12	23:15	-71 48.7317	172 55.8682	04.4	256.5	1871	1827	10307.0		34.197	-00.235	393.2	3995	
01/12/07	12	23:30	-71 48.9816	172 52.4707	04.3	255.5	1911	1871	10306.0		34.125	-00.308	377.7	4070	
01/12/07	12	23:33	-71 49.0411	172 51.6660											Sonobuoy deployed M57B, Ch 31
01/12/07	12	23:45	-71 49.2430	172 49.0677	04.5	256.0	1945	1906	10304.0		34.087	-00.683	367.2	4145	
01/13/07	13	00:00	-71 49.5039	172 45.5154	04.4	256.5	1881	1839	10303.0		34.084	-00.719	364.5	4222	
01/13/07	13	00:15	-71 49.7708	172 42.0657	04.7	255.6	1873	1858	10303.0		34.076	-00.813	364.5	4296	
01/13/07	13	00:30	-71 50.0473	172 38.5199	04.5	255.5	1829	1790	10302.0		34.079	-00.789	369.6	4371	
01/13/07	13	00:45	-71 50.3160	172 34.9924	04.5	259.6	1699	1663	10303.0		34.086	-00.765	372.0	4446	
01/13/07	13	01:00	-71 50.5801	172 31.5491	04.5	258.1	1622	1585	10303.0		34.078	-00.798	369.9	4520	
01/13/07	13	01:15	-71 50.8310	172 28.0005	04.6	254.7	1613	1575	10303.0		34.106	-00.788	378.0	4596	
01/13/07	13	01:30	-71 51.1395	172 24.5013	04.6	256.7	1636	1598	10303.0		34.104	-00.696	373.6	4670	
01/13/07	13	01:45	-71 51.4082	172 21.0233	04.5	255.9	1670	1618	10304.0		34.112	-00.658	373.6	4745	
01/13/07	13	02:00	-71 51.6628	172 17.5946	04.4	256.8	1347	1328	10309.0		34.107	-00.665	388.3	4820	Sian Off, Lisa On
01/13/07	13	02:15	-71 51.9324	172 14.0332	04.3	257.2	1129	1104	10317.0		34.123	-00.642	388.7	4896	
01/13/07	13	02:30	-71 52.1819	172 10.5341	04.5	257.6	962	934	10326.0		34.126	-00.591	389.3	4969	
01/13/07	13	02:45	-71 52.4268	172 07.1603	03.5	264.1	807	788	10335.0		34.130	-00.580	388.9		shut guns down 2:43
01/13/07	13	03:00	-71 52.7042	172 04.5300	03.3	243.5	729	717	10336.0		34.110	-00.606	385.9		
01/13/07	13	03:15	-71 53.0644	172 02.1634	03.3	246.4	747	725	10388.0		34.104	-00.710	384.5		batyh was incorrect previously
01/13/07	13	03:30	-71 53.4343	171 59.6503	03.6	242.5	552	534	10341.0		34.099	-00.749	384.5		
01/13/07	13	03:45	-71 53.8412	171 57.1143	03.3	245.1	679	660	10341.0		34.101	-00.736	385.1		
01/13/07	13	04:00	-71 53.9662	171 55.4269	01.3	285.9	654	635	10336.0		34.095	-00.748	384.8		
01/13/07	13	04:15	-71 54.0683	171 53.9017	02.1	254.4	506	513	10337.0		34.071	-00.733	382.3		
01/13/07	13	04:30	-71 54.1763	171 52.3654	02.2	252.9	634	611	10355.0		34.091	-00.665	383.8		
01/13/07	13	04:45	-71 54.2871	171 50.9583	01.7	258.7	617	599	10334.0		34.097	-00.666	385.4		
01/13/07	13	05:00	-71 54.3832	171 49.6133	01.9	257.7	615	598	10333.0		34.084	-00.627	385.3		Franziska off, Marcel on
01/13/07	13	05:15	-71 53.7433	171 50.7513	11.3	059.4	544	531	10318.0		34.082	-00.644	385.3		
01/13/07	13	05:30	-71 53.4412	171 53.8889	01.3	024.0	592	579	10332.0		34.075	-00.775	385.2		
01/13/07	13	05:45	-71 53.4061	171 54.0024	02.0	177.7	602	590	10330.0		34.080	-00.626	382.3		
01/13/07	13	05:52													On location for Dredge 5
01/13/07	13	05:55													Dredge in water
01/13/07	13	06:00	-71 53.4993	171 53.9987	00.1	299.3	593	584	10332.0		34.087	-00.554	383.1		
01/13/07	13	06:15	-71 53.4984	171 53.9969	00.0	094.8	593	581	10332.0		34.074	-00.046	386.9		dredge on botom
01/13/07	13	06:30	-71 53.5973	171 53.9987	00.4	183.3	572	556	10332.0		34.116	-00.676	391.4		
01/13/07	13	06:45	-71 53.6700	171 53.9978	00.4	255.0	526	522	10332.0		34.085	-00.813	391.4		
01/13/07	13	07:00	-71 53.6691	171 53.9978	00.0	166.6	530	423	10332.0		34.083	-00.816	382.0		
01/13/07	13	07:15	-71 53.7410	171 54.0070	00.4	164.1	491	476	10332.0		34.073	-00.790	381.8		

01/13/07	13	07:30	-71 53.7424	171 54.0079	00.0	115.9	491	476	10332.0		34.078	-00.804	382.1	
01/13/07	13	07:45	-71 53.7753	171 54.0143	00.0	349.7	490	473	10332.0		34.085	-00.764	383.0	
01/13/07	13	08:00	-71 53.7744	171 54.0125	00.0	228.1	490	474	10322.0		34.078	-00.738	383.5	Lisa off, Rose on
01/13/07	13	08:15	-71 53.7744	171 54.0134	00.0	299.5	490	474	10332.0		34.070	-00.589	384.5	
11/13/07	13	08:18												Dredge on deck
01/13/07	13	08:25												Ship moving
01/13/07	13	08:30	-71 53.5501	171 53.5309	05.2	356.2	572	555	10336.0		34.079	-00.714	384.5	
01/13/07	13	08:45	-71 51.8761	171 53.3083	07.3	383.8	505	492	10333.0		34.088	-00.729	383.8	
01/13/07	13	09:00	-71 49.9480	171 54.0665	08.1	007.8	530	541	10331.0		34.085	-00.645	386.0	
01/13/07	13	09:15	-71 49.2146	171 55.3674	00.2	174.9	643	623	10333.0		34.112	-00.710	386.0	
01/13/07	13	09:30	-71 49.3002	171 55.4031	00.1	179.9	638	620	10337.0		34.098	-00.688	384.3	Ship in position
01/13/07	13	09:33												Dredge in water
01/13/07	13	09:45	-71 49.2998	171 55.3986	00.0	156.4	639	321	10337.0		34.097	-00.671	383.7	
01/13/07	13	09:55	-71 49.2993	171 55.3986										Dredge on bottom
01/13/07	13	10:00	-71 49.3172	171 55.3976	00.3	182.4	643	617	10337.0		34.099	-00.710	384.1	
01/13/07	13	10:15	-71 49.3991	171 55.3949	00.0	115.2	601	590	10337.0		34.099	-00.729	382.5	
01/13/07	13	10:30	-71 49.4101	171 55.3940	00.4	184.4	600	581	10337.0		34.097	-00.713	382.7	
01/13/07	13	10:45	-71 49.5049	171 55.3903	00.0	345.4	559	536	10337.0		34.097	-00.719	382.4	
01/13/07	13	11:00	-71 49.5154	171 55.3876	00.5	185.6	530	525	10337.0		34.093	-00.761	382.4	
01/13/07	13	11:15	-71 49.5671	171 55.3839	00.0	105.3	518	505	10337.0		34.100	-00.743	382.8	
01/13/07	13	11:30	-71 49.5667	171 55.3839	00.0	300.9	518	503	10337.0		34.100	-00.735	382.7	
01/13/07	13	11:43												Dredge on deck
01/13/07	13	11:45	-71 49.5667	171 55.3830	00.1	340.9	518	508	10337.0		34.099	-00.731	382.5	
01/13/07	13	12:00	-71 49.1995	171 54.0024	00.1	202.9	599	582	10342.0		34.141	-00.799	382.7	
01/13/07	13	12:15	-71 49.2004	171 53.9996	00.0	192.3	600	581	10337.0		34.103	-00.790	384.2	
01/13/07	13	12:30	-71 49.1922	171 53.9841	00.5	331.4	594	577	10337.0		34.122	-00.835	384.2	
01/13/07	13	12:45	-71 49.0988	171 53.8229	00.1	062.3	526	517	10338.0		34.165	-00.953	397.8	
01/13/07	13	13:00	-71 49.0929	171 53.8092	00.6	332.4	525	512	10337.0		34.204	-00.941	407.2	
01/13/07	13	13:15	-71 48.9963	171 53.6151	00.0	357.7	490	474	10338.0		34.129	-00.791	408.1	
01/13/07	13	13:30	-71 48.9949	171 53.6160	00.0	280.2	484	471	10338.0		34.111	-00.764	385.0	
01/13/07	13	13:45	-71 48.9954	171 53.6160	00.0	113.0	489	472	10338.0		34.108	-00.755	383.9	
		13:56												dredge on deck
01/13/07	13	14:00	-71 48.9560	171 53.5318	03.8	328.7	473	459	10338.0		34.105	-00.726	383.5	ship moving
01/13/07	13	14:15	-71 46.8402	171 58.2422	11.2	036.9	635	619	10324.0		34.119	-00.661	383.5	
01/13/07	13	14:30	-71 44.6480	172 03.5806	11.2	036.2	683	661	10325.0		34.126	-00.654	388.7	
01/13/07	13	14:45	-71 42.3166	172 08.6636	11.3	034.9	642	635	10329.0		34.100	-00.703	388.0	
01/13/07	13	15:00	-71 39.8854	172 14.1449	11.1	036.5	1533	1504	10295.0		34.133	-00.614	382.0	
01/13/07	13	15:15	-71 37.8081	172 19.0942	11.0	037.2	1699	1656	10283.0		34.134	-00.639	379.6	
01/13/07	13	15:30	-71 35.9404	172 23.7653	09.4	027.8	1664	1596	10281.0		34.018	-00.307	371.9	
01/13/07	13	15:45	-71 35.2991	172 24.8035	00.1	103.1	1630	1597	10290.0		33.993	-00.384	361.3	In position dredge site #8
01/13/07	13	16:00	-71 35.2995	172 24.8026	00.0	160.6	1660	1601	10294.0		33.999	-00.387	361.3	
01/13/07	13	16:15	-71 35.3000	172 24.8035	00.0	012.6	1656	1593	10294.0		33.995	-00.386	346.2	
01/13/07	13	16:30	-71 35.2995	172 24.8016	00.1	141.4	1659	1605	10294.0		33.998	-00.392	346.9	
01/13/07	13	16:45	-71 35.4167	172 24.7604	00.3	357.1	1554	1520	10294.0		33.985	-00.193	346.4	
01/13/07	13	17:00	-71 35.4172	172 24.7595	00.0	303.0	1564	1521	10294.0		33.995	-00.396	346.8	Roi off, Michelle on
01/13/07	13	17:15	-71 35.5161	172 24.7147	00.4	189.4	1479	1442	10294.0		34.005	-00.283	346.5	
01/13/07	13	17:30	-71 35.5193	172 24.7137	00.0	059.1	1490	1439	10294.0		34.010	-00.320	346.5	
01/13/07	13	17:45	-71 35.5779	172 24.6954	00.0	267.0	1416	1437	10294.0		34.016	-00.270	347.9	
01/13/07	13	18:00	-71 35.5769	172 24.6964	00.0	261.7	1419	1410	10294.0		33.995	-00.412	347.5	
01/13/07	13	18:15	-71 35.5765	172 24.6964	00.0	152.0	1420	1382	10294.0		33.986	-00.188	347.5	
01/13/07	13	18:30	-71 35.5765	172 24.6954	00.1	336.1	1411	1441	10294.0		33.994	-00.319	346.8	
01/13/07	13	18:45	-71 35.5673	172 24.6707	01.7	328.2	1402	1386	10293.0		34.021	-00.392	348.0	
01/13/07	13	19:00	-71 35.5994	172 25.7410	09.8	135.2	1548	1617	10285.0		33.973	-00.290	347.4	
01/13/07	13	19:15	-71 37.3595	172 30.9933	08.9	136.0	1847	1806	10277.0		34.005	-00.237	347.4	
01/13/07	13	19:28	-71 37.6749	172 31.3660										dredge is in the water
01/13/07	13	19:30	-71 37.6749	172 31.3651	00.0	255.2	1866	1756	10294.0		34.004	-00.141	350.2	
01/13/07	13	19:45	-71 37.6749	172 31.3660	00.0	340.3	1887	1745	10294.0		34.006	-00.167	350.0	
01/13/07	13	20:00	-71 37.6749	172 31.3651	00.0	090.1	1866	1746	10294.0		34.013	-00.121	350.3	Danny Off, Sian On
01/13/07	13	20:15	-71 37.6749	172 31.1660	00.0	023.4	1896	1743	10294.0		34.011	-00.076	350.8	
01/13/07	13	20:30	-71 37.7641	172 31.1975	00.5	211.4	1659	1655	10295.0		34.018	-00.039	352.9	
01/13/07	13	20:45	-71 37.7989	172 31.1334	00.0	233.2	1649	1621	10294.0		34.009	-00.158	352.5	



01/13/07	13	21:00	-71 37.8259	172 31.0812	00.4	205.9	1656	1599	10295.0		34.003	00.058	349.9	
01/13/07	13	21:15	-71 37.8868	172 30.9705	00.0	016.1	1669	1543	10295.0		34.038	-00.207	356.8	
01/13/07	13	21:30	-71 37.8859	172 30.9705	00.0	357.4	1654	1546	10294.0		34.016	-00.202	352.0	
01/13/07	13	21:45	-71 37.8859	172 30.9714	00.0	060.7	1673	1548	10294.0		34.014	-00.192	353.8	
01/13/07	13	22:00	-71 37.8854	172 30.9714	00.0	052.0	1669	1549	10294.0		34.023	-00.212	355.0	
01/13/07	13	22:15	-71 37.8854	172 30.9714	00.0	057.2	1664	1553	10294.0		34.006	-00.195	352.2	Dredge is out of the water
01/13/07	13	22:30	-71 37.9921	172 30.7260	03.8	183.5	1663	1647	10295.0		34.010	-00.155	355.2	
01/13/07	13	22:45	-71 39.1832	172 30.8249	04.8	175.4	1761	1720	10294.0		34.011	-00.087	351.5	
01/13/07	13	23:00	-71 39.9994	172 31.3971	00.7	123.8	1663	1626	10293.0		34.004	-00.070	352.8	Michelle Off, Franz On
01/13/07	13	23:06	-71 40.0012	172 31.3989										Dredge is in the water
01/13/07	13	23:15	-71 40.0017	172 31.3998	00.0	190.1	1550	1624	10296.0		33.983	-00.232	353.0	
01/13/07	13	23:30	-71 40.0017	172 31.3989	00.0	136.1	1550	1626	10296.0		34.018	-00.083	352.1	
01/13/07	13	23:45	-71 40.0021	172 31.3980	00.1	356.1	1550	1627	10296.0		34.031	-00.149	352.1	
01/14/07	14	00:00	-71 40.0465	172 31.4813	00.6	152.8	1586	1591	10296.0		33.966	00.346	351.9	
01/14/07	14	00:15	-71 40.1564	172 31.6782	00.3	130.5	1549	1519	10296.0		34.056	00.160	351.9	Still Dredging
01/14/07	14	00:30	-71 40.1578	172 31.6800	00.1	315.8	1512	1503	10297.0		34.014	-00.159	353.6	
01/14/07	14	00:45	-71 40.1994	172 31.7566	00.6	154.9	1518	1467	10296.0		33.981	-00.075	353.1	
01/14/07	14	01:00	-71 40.2718	172 31.8878	00.0	314.1	1404	1402	10297.0		34.023	-00.205	353.6	
01/14/07	14	01:15	-71 40.2708	172 31.8869	00.0	007.0	1442	1401	10297.0		34.012	00.053	351.9	
01/14/07	14	01:30	-71 40.2708	172 31.8851	00.0	331.5	1441	1409	10297.0		34.019	-00.194	351.9	
01/14/07	14	01:45	-71 40.2704	172 31.8851	00.0	224.6	1435	1414	10297.0		34.021	-00.218	351.9	
01/14/07	14	02:00	-71 40.2704	172 31.8851	00.0	142.2	1438	1408	10297.0		34.026	-00.225	353.8	Sian off, Lisa on
01/14/07	14	02:15	-71 40.2782	172 32.4930	05.6	077.9	1420	1419	10296.0		33.995	-00.147	352.3	
01/14/07	14	02:23												fire drill until 2:35
01/14/07	14	02:45	-71 39.8552	172 40.4938	07.7	080.9	1557	1569	10287.0		33.999	-00.303	349.6	
01/14/07	14	03:00	-71 39.7023	172 43.1516	00.0	334.2	1763	1750	10298.0		34.012	-00.312	350.0	
01/14/07	14	03:15	-71 39.7028	172 43.1516	00.0	030.0	1762	1762	10299.0		34.010	-00.266	350.0	
01/14/07	14	03:30	-71 39.7023	172 43.1525	00.0	014.4	1764	1754	10299.0		34.009	-00.316	349.9	
01/14/07	14	03:45	-71 39.7023	172 43.1525	00.0	030.1	1764	1756	10299.0		34.003	-00.280	351.2	
01/14/07	14	04:00	-71 39.7211	172 43.2111	00.4	134.6	1757	1738	10298.0		34.026	-00.363	351.4	
01/14/07	14	04:15	-71 39.8007	172 43.4583	00.1	307.9	1708	1634	10298.0		34.077	-00.365	350.9	
01/14/07	14	04:30	-71 39.8021	172 43.4610	00.0	105.2	1755	1624	10298.0		34.010	-00.374	350.8	
01/14/07	14	04:45	-71 39.8465	172 43.6020	00.5	135.8	1616	1581	10298.0		34.007	-00.364	350.8	
01/14/07	14	05:00	-71 39.8849	172 43.7311	00.0	020.7	1622	1508	10298.0		34.029	-00.363	350.8	Franziska off, Marcel on
01/14/07	14	05:15	-71 39.9074	172 43.8043	00.4	140.3	1600	1484	10298.0		34.010	-00.369	350.8	
01/14/07	14	05:30	-71 39.9156	172 43.8272	00.0	173.5	1642	1482	10298.0		34.008	-00.363	350.8	
01/14/07	14	05:45	-71 39.9156	172 43.8254	00.0	160.3	1526	1483	10298.0		34.004	-00.357	350.5	
01/14/07	14	06:00	-71 39.9156	172 43.8235	00.0	256.1	1526	1481	10298.0		34.001	-00.353	350.1	
01/14/07	14	06:08												Dredge D11 on deck
01/14/07	14	06:15	-71 39.9156	172 43.8245	00.1	245.5	1365	1485	10298.0		34.005	-00.375	350.1	
01/14/07	14	06:30	-71 38.8156	172 41.4258	10.3	323.8	1832	1789	10311.0		34.015	-00.354	351.1	
01/14/07	14	06:45	-71 37.8607	172 39.0536	00.1	110.1	1844	1741	10299.0		34.002	-00.375	351.1	Ship in position for D12
01/14/07	14	07:00	-71 37.8552	172 39.0518	00.1	127.9	1842	1738	10297.0		34.004	-00.329	350.4	
01/14/07	14	07:15	-71 37.8557	172 39.0564	00.0	100.9	1840	1730	10298.0		34.010	-00.337	350.5	
01/14/07	14	07:30	-71 37.8557	172 39.0564	00.1	326.5	1847	1740	10297.0		34.010	-00.328	349.7	
01/14/07	14	07:45	-71 37.8557	172 39.0564	00.1	123.2	1840	1732	10297.0		34.030	-00.321	349.8	Dredge D12 on bottom at 7:44
01/14/07	14	08:00	-71 37.9422	172 39.0637	00.7	177.3	1731	1638	10297.0		34.085	-00.200	350.9	Lisa off, Rose on
01/14/07	14	08:15	-71 37.9486	172 39.0665	00.1	162.5	1829	1635	10297.0		34.012	-00.332	354.2	
01/14/07	14	08:30	-71 37.0003	172 39.0656	00.5	176.0	1740	1595	10298.0		34.002	-00.219	354.2	
01/14/07	14	08:45	-71 38.0379	172 39.0710	00.1	305.0	1504	1533	10298.0		34.057	-00.472	355.2	
01/14/07	14	09:00	-71 38.0814	172 39.0683	00.1	279.6	1499	1472	10298.0		34.057	-00.537	366.4	
01/14/07	14	09:15	-71 38.0804	172 39.0656	00.1	146.6	1501	1486	10298.0		34.020	-00.383	371.6	
01/14/07	14	09:30	-71 38.0800	172 39.0665	00.1	148.9	1500	1485	10298.0		34.016	-00.394	351.4	
01/14/07	14	09:45	-71 38.0800	172 39.0692	00.1	322.6	1500	1488	10298.0		34.016	-00.422	351.9	
01/14/07	14	09:55												Dredge on deck
01/14/07	14	10:00	-71 38.0800	172 39.0674	00.1	352.0	1500	1485	10297.0		34.013	-00.414	352.0	
01/14/07	14	10:15	-71 37.8712	172 42.6315	06.2	081.0	1812	1764	10283.0		34.008	-00.227	352.8	
01/14/07	14	10:30	-71 37.6520	172 47.6981	06.3	090.0	1897	1860	10281.0		34.047	-00.232	354.9	
01/14/07	14	10:45	-71 37.8012	172 48.1979	00.3	090.3	1923	1846	10295.0		34.048	-00.455	360.6	
01/14/07	14	11:00	-71 37.8008	172 48.1989	00.1	216.7	1918	1847	10296.0		34.042	-00.200	359.6	Marcel off, Roi on
01/14/07	14	11:15	-71 37.8008	172 48.1989	00.0	086.7	1916	1852	10296.0		34.044	-00.419	359.1	



01/15/07	15	01:45	-71 29.9272	173 29.4937	00.9	013.9	2067	2016	10283.0		33.882	-00.632	323.0		
01/15/07	15	02:00	-71 29.9501	173 29.1934	00.1	192.7	2084	2024	10286.0		33.882	-00.530	323.0		Sian off, Lisa on
01/15/07	15	02:15	-71 29.9501	173 29.1971	00.1	303.0	2091	2031	10286.0		33.895	-00.599	323.5		
01/15/07	15	02:30	-71 29.9496	173 29.2007	00.1	290.4	2082	2025	10285.0		33.904	-00.604	323.0		
01/15/07	15	02:45	-71 30.0096	173 29.2044	00.5	185.4	2064	1992	10286.0		33.874	-00.577	323.0		
01/15/07	15	03:00	-71 30.0870	173 29.1898	00.1	200.5	2028	1919	10286.0		33.901	-00.602	325.4		
01/15/07	15	03:15	-71 30.0916	173 29.1852	00.3	176.4	1217	1908	10286.0		33.894	-00.611	325.2		BAT wrong
01/15/07	15	03:30	-71 30.2069	173 29.1669	00.1	218.5	1804	1798	10286.0		33.893	-00.515	329.2		
01/15/07	15	03:45	-71 30.2087	173 29.1696	00.2	228.3	1836	1800	10286.0		33.887	-00.534	325.9		
01/15/07	15	04:00	-71 30.2907	173 29.1907	00.2	192.8	1790	1745	102 870		33.888	-00.486	327.0		
01/15/07	15	04:15	-71 30.2962	173 29.1898	00.1	140.5	1895	1749	10286.0		33.889	-00.338	326.5		
01/15/07	15	04:30	-71 30.2957	173 29.1870	00.2	223.4	1796	1738	10286.0		33.917	-00.497	326.3		
01/15/07	15	04:45	-71 30.2948	173 29.1916	00.2	342.2	1485	1756	10286.0		33.900	-00.312	328.9		BAT wrong
01/15/07	15	05:00	-71 30.2957	173 29.1907	00.1	148.2	1795	1745	10287.0		33.913	-00.290	329.9		Franziska off, Marcel on
01/15/07	15	05:15	-71 30.2962	173 29.1852	00.2	262.9	1792	1735	10286.0		33.955	-00.463	329.9		Dredge on deck 5:05
01/15/07	15	05:30	-71 29.9171	173 29.7620	10.3	358.1	1966	2010	10280.0		33.925	-00.480	329.7		
01/15/07	15	05:45	-71 27.1371	173 30.5026	11.1	007.7	2193	2152	10276.0		33.897	-00.526	327.8		
01/15/07	15	06:00	-71 24.4322	173 29.8050	11.1	346.9	2186	2698	10280.0		33.905	-00.422	327.8		6:05 maggie deployed
01/15/07	15	06:15	-71 22.5403	173 28.4976	10.6	348.2	2179	2136	10280.0	64282	33.845	-00.477	325.8		
01/15/07	15	06:30	-71 20.5737	173 28.8300	09.1	323.2	2198	2152	10265.0	64238	33.812	-00.477	323.2		
01/15/07	15	06:45	-71 18.7143	173 33.8196	10.0	039.6	2221	2174	10251.0	64218	33.835	-00.271	318.2		
01/15/07	15	07:00	-71 16.7130	173 38.9246	10.6	039.6	1922	1898	10251.0	64268	33.860	-00.602	321.4		
01/15/07	15	07:15	-71 14.6915	173 44.0897	10.5	042.1	2042	2022	10253.0	64291	33.864	-00.577	323.9		
01/15/07	15	07:30	-71 12.2594	173 46.8896	10.8	009.6	2098	2054	10268.0	64332	33.865	-00.605	323.6		
01/15/07	15	07:45	-71 09.7247	173 47.1634	10.8	308.9	2209	2164	10269.0	64345	33.865	-00.606	323.6		
01/15/07	15	08:00	-71 07.9276	173 40.8051	10.8	312.8	2233	2188	10286.0	64355	33.870	-00.572	321.5		Lisa off, Rose on
01/15/07	15	08:15	-71 06.0594	173 34.7104	10.8	314.7	2265	2224	10279.0	64420	33.843	-00.582	319.9		
01/15/07	15	08:30	-71 04.2041	173 28.6777	10.9	313.2	2251	2757	10277.0	64400	33.827	-00.499	321.7		
01/15/07	15	08:45	-71 02.3300	173 22.6035	10.9	313.6	2216	2509	10278.0	64478	33.840	-00.408	321.5		
01/15/07	15	09:00	-71 00.4807	173 16.4291	10.9	312.3	2195	2146	10279.0	64598	33.839	-00.533	321.4		
01/15/07	15	09:15	-70 57.9561	173 16.1005	11.0	010.1	2316	2220	10246.0	64503	33.868	-00.707	321.8		
01/15/07	15	09:30	-70 55.2754	173 17.6202	10.7	012.3	2220	2440	10240.0	64497	33.853	-00.682	329.5		
01/15/07	15	09:45	-70 52.7422	173 19.6335	10.6	046.4	2268	2222	10240.0	64511	33.877	-00.794	334.0		
01/15/07	15	10:00	-70 50.6772	173 22.9376	11.0	338.9	1516	1644	10260.0	64522	33.857	-00.618	335.9		
01/15/07	15	10:15	-70 48.9162	173 23.9539	07.2	029.8	1558	1518	10263.0	64498	33.889	-00.681	331.4		
01/15/07	15	10:30	-70 49.3336	173 27.9666	07.3	137.6	1539	1534	10271.0	64471	33.874	-00.734	332.0		
01/15/07	15	10:45	-70 49.3964	173 33.6182	10.5	064.7	1849	1807	10264.0	64506	33.874	-00.764	334.1		
01/15/07	15	11:00	-70 48.2840	173 40.5661	10.0	063.3	2148	2103	10261.0	64649	33.860	-00.740	334.1		Marcel off, Roi on
01/15/07	15	11:15	-70 46.3843	173 45.9595	10.5	067.4	2257	2210	10267.0	64267	33.866	-00.695	333.5		
01/15/07	15	11:30	-70 44.2744	173 50.9967	10.7	039.9	2275	2229	10258.0	64449	33.858	-00.615	344.3		
01/15/07	15	11:45	-70 42.2296	173 55.6302	10.8	037.2	2289	2241	10256.0	64379	33.860	-00.498	337.5		
01/15/07	15	12:00	-70 40.1688	173 00.4852	10.4	037.3	2303	2340	10254.0	64310	33.880	-00.484	334.3		
01/15/07	15	12:15	-70 38.1665	174 05.3723	10.2	039.3	2325	2278	10252.0	64587	33.884	-00.553	333.0		
01/15/07	15	12:30	-70 36.1702	174 10.2347	10.1	040.4	2335	2872	10249.0	64464	33.866	-00.570	332.6		
01/15/07	15	12:45	-70 33.8535	174 12.7213	10.9	359.2	2341	2297	10260.0	64300	33.904	-00.513	332.6		
01/15/07	15	13:00	-70 31.1916	174 12.3697	11.0	359.1	2429	2381	10259.0	64591	33.888	-00.570	339.3		
01/15/07	15	13:15	-70 28.5406	174 12.1609	11.0	359.1	2437	2720	10257.0	64165	33.875	-00.679	340.9		
01/15/07	15	13:26	-70 26.7897	174 11.4377											xbt 120
01/15/07	15	13:30	-70 26.4670	174 10.9010	06.3	332.3	2549	2708	10264.0	64241	33.850	-00.750	348.4		
01/15/07	15	13:45	-70 24.2130	174 07.4542	10.9	333.9	2533	2483	10266.0	64356	33.849	-00.686	349.8		
01/15/07	15	14:00	-70 21.8275	174 04.0814	10.9	334.6	2492	2961	10262.0	64372	33.857	-00.719	360.9		
01/15/07	15	14:15	-70 19.3620	174 00.5914	10.7	334.4	2484	2436	10263.0	64502	33.894	-00.631	360.9		
01/15/07	15	14:30	-70 16.7686	173 59.9844	10.5	359.1	2497	2447	10249.0	64487	33.876	-00.728	355.5		
01/15/07	15	14:45	-70 14.1069	173 59.9176	10.3	358.8	2563	2516	10246.0	64501	33.879	-00.843	362.9		
01/15/07	15	15:00	-70 11.4120	173 59.8032	10.8	359.2	2660	2598	10242.0	64513	33.827	-00.779	369.5		
01/15/07	15	15:15	-70 08.7657	173 59.7079	10.8	359.7	2652	2606	1023.8	64548	33.844	-00.768	367.9		
01/15/07	15	15:30	-70 06.1111	173 59.1089	10.6	001.5	2669	2621	10235.0	64628	33.812	-00.707	369.9		
01/15/07	15	15:45	-70 03.4680	173 59.8407	11.3	000.6	2698	2651	10231.0	64642	33.847	-00.772	369.4		
01/15/07	15	16:00	-70 00.7471	173 59.9625	10.7	001.1	2761	2709	10224.0	64666	33.808	-00.775	369.4		nb, maggie is not working. Value shown is last value recorded.
01/15/07	15	16:02													Maggie working again. Suspect only a display problem; it was still logging.
01/15/07	15	16:15	-69 58.0408	174 00.0037	10.9	000.9	2790	2745	10221.0	64736	33.878	-00.810	371.3		

01/15/07	15	16:30	-69 55.3564	174 00.0366	10.6	359.4	2802	2752	10217.0	64675	33.849	-00.731	375.8		
01/15/07	15	16:45	-69 52.6707	174 00.0778	11.1	359.6	2842	2799	10216.0	64542	33.837	-00.691	373.9		
01/15/07	15	17:00	-69 49.9713	174 00.0943	11.1	359.4	2876	2826	10216.0	64475	33.854	-00.800	376.0		Michelle on, roi off
01/15/07	15	17:15	-69 47.2559	173 59.9451	11.0	358.4	2949	2897	10215.0	64457	33.852	-00.745	375.5		
01/15/07	15	17:30	-69 44.6123	173 59.8727	10.7	359.8	2989	2944	10212.0	64504	33.839	-00.842	375.3		
01/15/07	15	17:45	-69 41.9435	173 59.9432	10.8	000.1	3005	2974	10207.0	64566	33.842	-00.800	377.1		
01/15/07	15	18:00	-69 39.2693	174 00.0531	10.5	000.5	1697	3945	10203.0	64599	33.839	-00.805	377.2		
01/15/07	15	18:15	-69 36.6064	174 00.0751	10.2	000.1	3139	3085	10200.0	64637	33.892	-00.784	381.8		
01/15/07	15	18:30	-69 33.9606	174 00.0778	10.9	359.5	3174	3126	10196.0	64700	33.889	-00.892	382.9		
01/15/07	15	18:45	-69 31.2827	174 00.0119	10.1	005.2	3192	3147	10194.0	64649	33.892	-00.917	382.7		
01/15/07	15	19:00	-69 28.7297	173 58.4674	10.5	340.9	3208	3156	10202.0	64547	33.889	-00.904	382.0		
01/15/07	15	19:15	-69 26.2198	173 55.6696	11.0	339.0	3150	3410	10204.0	64654	33.909	-00.940	382.0		
01/15/07	15	19:30	-69 23.7547	173 52.8691	10.6	337.5	3168	3118	10205.0	64432	33.905	-00.971	382.7		
01/15/07	15	19:45	-69 21.2471	173 50.0812	10.5	338.1	3187	3136	10203.0	64261	33.902	-00.959	383.2		
01/15/07	15	20:00	-69 18.8626	173 47.1478	11.0	336.7	3179	3138	10200.0	64304	33.874	-00.996	380.4		
01/15/07	15	20:15	-69 16.4223	173 44.1605	10.5	337.2	3237	3191	10195.0	64459	33.881	-01.050	380.4		
01/15/07	15	20:30	-69 14.0346	173 41.5475	10.4	338.9	3218	3171	10190.0	64731	33.861	-01.052	379.5		
01/15/07	15	20:45	-69 11.5393	173 38.8788	10.7	340.0	3225	3172	10188.0	64713	33.863	-00.981	378.2		
01/15/07	15	21:00	-69 09.0747	173 36.2128	10.4	339.0	3207	3179	10186.0	64377	33.845	-00.981	378.2		
01/15/07	15	21:15	-69 06.6046	173 33.6081	10.0	342.4	3230	3191	10182.0	64309	33.868	-00.995	380.7		
01/15/07	15	21:30	-69 04.1904	173 30.9641	10.1	338.7	3277	3486	10178.0	64347	33.855	-00.990	380.5		
01/15/07	15	21:45	-69 01.7542	173 28.2523	10.0	338.1	3312	3536	10174.0	64433	33.855	-01.067	379.2		
01/15/07	15	22:00	-68 59.3445	173 25.4572	10.2	336.0	3352	3292	10169.0	64393	33.848	-01.096	377.8		
01/15/07	15	22:15	-68 56.9275	173 22.5412	11.0	333.7	3303	3254	10167.0	64437	33.840	-00.997	378.5		
01/15/07	15	22:30	-68 54.5338	173 19.4952	10.8	335.0	3301	3248	10165.0	64507	33.814	-01.038	387.7		
01/15/07	15	22:45	-68 52.1393	173 16.4484	10.4	336.1	3313	3271	10161.0	64692	33.801	-01.048	377.5		
01/15/07	15	23:00	-68 49.7406	173 13.4271	10.7	335.0	3332	3286	10158.0	64998	33.773	-01.024	377.5		Michelle off, Franziska on
01/15/07	15	23:06	-68 48.6598	173 12.0584			3339								magnetometer off
01/15/07	15	23:15	-68 47.3190	173 10.3837	10.5	335.0	3356	3298	10155.0		33.754	-01.027	377.9		
01/15/07	15	23:30	-68 45.7809	173 11.1246	10.6	084.3	3364	3315	10136.0		33.725	-01.198	375.7		
01/15/07	15	23:45	-68 45.8752	173 15.4028	02.9	162.8	3397	3352	10132.0		33.762	-01.185	374.9		
01/16/07	16	00:00	-68 46.6653	173 15.7828	03.4	175.3	3394	3355	10140.0		33.746	-01.119	375.0		
01/16/07	16	00:15	-68 47.3373	173 16.0785	02.9	171.9	3401	3354	10140.0		33.757	-01.156	375.0		
01/16/07	16	00:30	-68 48.0171	173 16.4373	03.0	163.9	3390	3342	10143.0		33.767	-01.072	375.7		
01/16/07	16	00:45	-68 48.5724	173 16.7386	01.6	151.1	3382	3335	10143.0		33.758	-01.140	376.0		
01/16/07	16	01:00	-68 49.1922	173 17.0956	02.9	166.4	3367	3324	10145.0		33.770	-01.125	376.6		
01/16/07	16	01:15	-68 49.8683	173 17.4280	02.7	174.9	3371	3325	10146.0		33.780	-01.141	376.8		
01/16/07	16	01:30	-68 50.5170	173 17.7979	02.7	170.5	3354	3306	10145.0		33.767	-01.089	377.1		
01/16/07	16	01:45	-68 51.1134	173 18.1824	02.7	162.5	3340	3301	10147.0		33.792	-01.095	377.3		
01/16/07	16	01:47	-68 51.2192	173 18.2877											sonobuoy M57B deployed
01/16/07	16	02:00	-68 51.8724	173 18.8004	02.8	166.2	3337	3295	10147.0		33.797	-01.119	377.3		Sian off, Lisa on
01/16/07	16	02:15	-68 52.7005	173 19.3341	03.2	162.2	3345	3293	10150.0		33.806	-01.110	375.2		
01/16/07	16	02:30	-68 53.5341	173 19.9878	03.6	163.9	3335	3284	10149.0		33.806	-01.080	375.7		
01/16/07	16	02:45	-68 54.3741	173 20.5490	02.9	155.8	3325	3272	10152.0		33.814	-01.097	376.3		ramp up guns
01/16/07	16	02:49	-68 54.6817	173 20.7211											gun 2
01/16/07	16	02:52	-68 54.9330	173 20.8401											gun 3
01/16/07	16	03:00	-68 55.4411	173 21.2476	04.7	162.2	3331	3282	10155.0		33.816	-01.062	377.0		gun 4
01/16/07	16	03:05													gun 5
01/16/07	16	03:07	-68 55.9319	173 21.6953											gun 6
01/16/07	16	03:15	-68 56.4940	173 22.1393	04.6	162.4	3318	3259	10154.0		33.837	-01.065	377.7		
01/16/07	16	03:30	-68 57.4483	173 23.1308	05.0	161.3	3334	3281	10155.0		33.837	-01.081	377.7		
01/16/07	16	03:45	-68 58.3713	173 24.1086	03.8	163.2	3341	3286	10156.0		33.850	-01.099	378.5		
01/16/07	16	04:00	-68 59.3069	173 25.1605	04.1	153.1	3351	3160	10155.0		33.854	-01.113	377.9	473	
01/16/07	16	04:12	-69 00.0403	173 26.0826											sonobuoy Ch12, 400 ft hydrophone depth
01/16/07	16	04:15	-69 00.2097	173 26.2390	04.0	162.8	3368	3313	10158.0		33.852	-01.051	377.9	550	
01/16/07	16	04:30	-69 01.1658	173 27.1456	04.2	166.1	3347	3293	10161.0		33.849	-01.072	377.8	627	
01/16/07	16	04:45	-69 02.0480	173 28.1067	04.2	161.3	3300	3255	10162.0		33.847	-01.096	376.7	698	
01/16/07	16	05:00	-69 02.9828	173 29.2374	04.1	158.5	3254	3209	10162.0		33.853	-01.068	376.1	772	
01/16/07	16	05:15	-69 03.9187	173 30.3406	04.4	162.5	3269	3763	10165.0		33.852	-01.011	376.1	850	
01/16/07	16	05:30	-69 04.7314	173 31.1856	03.3	154.4	3278	3268	10169.0		33.858	-01.056	378.9	918	

01/16/07	16	05:45	-69 05.7404	173 32.3223	03.8	154.7	3297	3246	10168.0		33.853	-01.014	378.0	999	
01/16/07	16	06:00	-69 06.6472	173 33.3252	03.6	159.1	3283	3454	10168.0		33.861	-01.005	378.9	1074	
01/16/07	16	06:15	-69 07.3576	173 34.2558	03.3	161.2	3228	3182	10171.0		33.860	-00.984	380.4	1140	
01/16/07	16	06:30	-69 08.4082	173 35.3796	04.1	158.9	3218	3169	10175.0		33.864	-01.008	380.6	1222	
01/16/07	16	06:45	-69 09.3864	173 36.4600	04.4	162.2	3194	3143	10172.0		33.867	-01.003	380.2	1298	
01/16/07	16	07:00	-69 10.3674	173 37.5613	04.0	159.2	3185	3134	10174.0		33.858	-01.043	380.2	1375	
01/16/07	16	07:15	-69 11.2990	173 38.7039	04.1	158.7	3227	3181	10175.0		33.863	-01.059	377.2	1449	
01/16/07	16	07:30	-69 12.2630	173 39.8326	04.7	158.8	3224	3176	10176.0		33.882	-01.001	377.5	1523	
01/16/07	16	07:45	-69 13.2970	173 40.9488	04.5	158.9	3193	3147	10176.0		33.879	-01.018	377.5	1598	
01/16/07	16	08:00	-69 14.3303	173 42.0410	04.4	155.6	3229	3205	10177.0		33.874	-01.035	377.2	1672	
01/16/07	16	08:15	-69 15.3291	173 43.1332	04.6	166.4	3269	3221	10179.0		33.875	-01.070	376.6	1748	
01/16/07	16	08:30	-69 16.3692	173 44.3665	04.1	154.5	3246	3196	10179.0		33.905	-01.018	376.6	1823	
01/16/07	16	08:45	-69 17.3863	173 45.5988	03.9	150.1	3223	3490	10181.0		33.908	-01.015	381.5	1897	
01/16/07	16	09:00	-69 18.4360	173 46.7286	04.7	159.3	3192	3146	10184.0		33.906	-01.062	380.9	1975	
01/16/07	16	09:15	-69 19.4687	173 47.8336	04.9	163.2	3211	3152	10184.0		33.880	-01.049	379.1	2047	
01/16/07	16	09:30	-69 20.5490	173 48.9771	04.9	162.3	3204	3155	10187.0		33.883	-01.000	379.1	2122	
01/16/07	16	09:45	-69 21.5424	173 50.2917	05.1	159.0	3174	3128	10188.0		33.895	-01.004	379.3	2197	
01/16/07	16	10:00	-69 22.5513	173 51.5488	04.5	160.4	3156	3105	10189.0		33.925	-01.018	380.7	2271	
01/16/07	16	10:15	-69 23.5808	173 52.7975	04.7	159.5	3164	3111	10190.0		33.916	-00.995	380.7	2347	
01/16/07	16	10:30	-69 24.6162	173 53.9392	04.7	160.6	3195	3128	10191.0		33.926	-01.006	382.8	2422	
01/16/07	16	10:45	-69 25.6439	173 55.1779	04.7	152.9	3145	3094	10192.0		33.919	-00.956	382.8	2497	
01/16/07	16	11:00	-69 26.6963	173 56.4477	04.2	158.4	3159	3114	10192.0		33.911	-00.971	381.9	2573	
01/16/07	16	11:15	-69 27.7208	173 57.5098	04.4	160.9	3196	3149	10193.0		33.904	-00.981	381.3	2647	
01/16/07	16	11:30	-69 28.7325	173 58.6093	04.5	161.0	3207	3155	10192.0		33.899	-00.944	381.3	2722	
01/16/07	16	11:45	-69 29.7675	173 59.6201	04.2	173.0	3195	3144	10191.0		33.897	-00.923	381.4	2797	
01/16/07	16	12:00	-69 30.9160	173 59.9423	04.5	178.1	3195	3150	10194.0		33.904	-00.858	381.5	2872	
01/16/07	16	12:15	-69 31.9762	173 59.9876	04.1	178.7	3194	3146	10195.0		33.890	-00.837	381.8	2948	
01/16/07	16	12:30	-69 33.0428	174 00.0723	03.8	178.1	3182	3133	10197.0		33.885	-00.873	382.2	3023	
01/16/07	16	12:45	-69 34.1286	174 00.0797	04.5	178.7	3171	3117	10197.0		33.904	-00.866	382.4	3098	
01/16/07	16	13:00	-69 35.2075	174 00.0293	04.1	179.3	3147	3099	10199.0		33.889	-00.814	382.7	3170	Sonobouy channel 15, 57b
01/16/07	16	13:15	-69 36.4490	173 59.9753	04.8	177.3	3141	3079	10201.0		33.881	-00.804	382.0	3248	
01/16/07	16	13:30	-69 37.4739	174 00.0009	04.9	177.9	3111	3059	10202.0		33.885	-00.585	382.0	3323	
01/16/07	16	13:45						3050							
01/16/07	16	14:00	-69 39.6291	173 59.9881	04.2	179.4	3045	3003	10206.0		33.896	-00.793	380.3	3475	
01/16/07	16	14:15	-69 40.7011	173 59.9579	04.7	180.3	3032	2994	10206.0		33.877	-00.807	378.8	3549	
01/16/07	16	14:30	-69 41.7659	174 00.0174	04.3	178.5	3030	2992	10207.0		33.872	-00.753	378.5	3623	
01/16/07	16	14:45	-69 42.8828	174 00.0275	04.5	178.9	3030	2985	10230.0		33.872	-00.801	378.7	3697	
01/16/07	16	15:00	-69 43.9984	174 00.0320	04.0	179.5	2980	2950	10211.0		33.861	-00.809	378.5	3773	
01/16/07	16	15:15	-69 45.1122	173 59.9332	04.7	182.0	2972	2929	10214.0		33.855	-00.773	378.5	3847	
01/16/07	16	15:20	-69 45.5383	173 59.9304											XBT 121 in water.. Scale was off.
01/16/07	16	15:30	-69 46.2419	173 59.8737	04.6	180.4	2919	2883	10216.0		33.865	-00.802	376.1	3922	
01/16/07	16	15:38	-69 46.8910	173 59.8993											XBT 122 in water
01/16/07	16	15:45	-69 47.3296	173 59.9460	04.3	175.0	2945	2904	10216.0		33.883	-00.830	376.9	3998	
01/16/07	16	16:00	-69 48.4433	174 00.1694	04.5	176.5	2901	2851	10217.0		33.886	-00.819	374.5	4074	
01/16/07	16	16:15	-69 49.5264	174 00.2774	04.1	176.8	2885	2833	10217.0		33.889	-00.896	374.6	4149	
01/16/07	16	16:30	-69 50.5746	174 00.3159	03.9	181.6	2873	2818	10219.0		33.892	-00.805	376.3	4223	
01/16/07	16	16:45	-69 51.6197	174 00.3424	03.1	178.3	2863	2820	10219.0		33.856	-00.780	376.4	4298	
01/16/07	16	17:00	-69 52.6369	174 00.2563	04.2	182.3	2846	2796	10220.0		33.863	-00.740	372.8	4371	Roi off, Michelle on
01/16/07	16	17:15	-69 53.7314	174 00.0778	04.2	181.3	2843	2790	10220.0		33.871	-00.762	373.7	4448	
01/16/07	16	17:30	-69 54.8474	174 00.0311	04.9	179.9	2813	2786	10220.0		33.881	-00.730	375.6	4523	
01/16/07	16	17:45	-69 55.9634	173 59.9908	04.5	181.3	2806	2750	10221.0		33.859	-00.753	373.5	4598	
01/16/07	16	18:00	-69 57.0222	173 59.9094	04.5	181.8	2805	2757	10221.0		33.854	-00.717	373.3	4674	
01/16/07	16	18:15	-69 58.0875	173 59.9396	04.3	177.5	2788	2743	10221.0		33.849	-00.661	373.6	4748	
01/16/07	16	18:30	-69 59.1742	173 59.9936	04.2	184.1	2784	2737	10223.0		33.864	-00.675	373.6	4823	
01/16/07	16	18:45	-70 00.2985	174 00.0000	04.5	179.7	2769	2723	10226.0		33.835	-00.729	371.7	4898	
01/16/07	16	19:00	-70 01.4360	174 00.0256	04.4	179.5	2764	2716	10227.0		33.822	-00.765	369.3	4973	
01/16/07	16	19:15	-70 02.5447	174 00.0613	04.7	182.5	2718	2678	10230.0		33.810	-00.739	368.5	5048	
01/16/07	16	19:30	-70 03.6974	174 00.0183	04.8	179.4	2703	2647	10232.0		33.809	-00.734	367.4	5122	
01/16/07	16	19:45	-70 04.8724	174 00.0009	04.5	179.3	2664	2614	10235.0		33.725	-00.770	365.3	5198	
01/16/07	16	20:00	-70 05.9656	173 59.9387	04.8	180.3	2671	2622	10238.0		33.707	-00.724	364.8	5273	Danny off, Sian on
01/16/07	16	20:15	-70 07.0564	173 59.8801	04.4	179.9	2662	2617	10238.0		33.723	-00.703	364.8	5348	

01/16/07	16	20:30	-70 08.2063	173 59.8636	04.5	178.8	2681	2645	10239.0		33.706	-00.747	367.2	5423	
01/16/07	16	20:45	-70 09.2761	173 59.9854	04.5	175.5	2663	2611	10239.0		33.703	-00.780	365.8	5498	
01/16/07	16	21:00	-70 10.3574	174 00.0485	04.6	180.1	2651	2597	10241.0		33.702	-00.723	365.7	5573	
01/16/07	16	21:15	-70 11.4638	174 00.0888	04.4	178.0	2649	2597	10242.0		33.736	-00.721	367.7	5648	
01/16/07	16	21:30	-70 12.5551	174 00.1474	04.3	180.4	2665	2615	10242.0		33.734	-00.774	368.7	5723	
01/16/07	16	21:45	-70 13.6638	174 00.1199	04.7	178.7	2580	2545	10245.0		33.775	-00.779	368.7	5797	
01/16/07	16	22:00	-70 14.7762	174 00.0476	03.8	180.0	2574	2518	10248.0		33.765	-00.772	364.8	5874	
01/16/07	16	22:15	-70 15.8675	173 59.9515	04.3	186.0	2510	2465	10250.0		33.767	-00.797	367.7	5948	
01/16/07	16	22:30	-70 16.9679	173 59.8499	03.1	182.5	2488	2452	10251.0		33.770	-00.756	367.0	6023	
01/16/07	16	22:45	-70 18.0235	173 59.9634	04.9	173.3	2475	2428	10251.0		33.776	-00.672	361.0	6099	
01/16/07	16	23:00	-70 19.1295	174 00.5447	04.6	164.5	2481	2431	10250.0		33.799	-00.771	357.3	6173	Michelle off, Franziska on
01/16/07	16	23:15	-70 20.1471	174 01.8320	04.6	153.8	2478	2433	10247.0		33.783	-00.740	360.3	6248	
01/16/07	16	23:30	-70 21.2183	174 03.2877	03.9	153.3	2489	2438	10247.0		33.787	-00.733	360.3	6324	
01/16/07	16	23:45	-70 22.1942	174 04.5456	04.3	149.8	2496	2443	10248.0		33.796	-00.784	354.9	6398	
01/17/07	17	00:00	-70 23.1807	174 05.8292	04.6	159.9	2528	2474	10249.0		33.767	-00.807	362.7	6472	
01/17/07	17	00:15	-70 24.1809	174 07.3059	04.3	153.7	2528	2480	10248.0		33.760	-00.824	362.1	6546	
01/17/07	17	00:24	-70 24.8227	174 08.2068											Rebooting Bathy2000
01/17/07	17	00:30	-70 25.1990	174 08.7524	04.6	152.5		2461	10250.0		33.764	-00.816	358.0	6624	
01/17/07	17	00:45	-70 26.1891	174 10.1761	03.5	146.7		2505	10251.0		33.760	-00.841	356.1	6699	
01/17/07	17	01:00	-70 27.1367	174 11.5997	03.9	150.4	2496	2455	10252.0		33.770	-00.808	354.5	6773	
01/17/07	17	01:12	-70 27.8970	174 12.7359											Sonobuoy 57B Launched and failed
01/17/07	17	01:15	-70 28.0847	174 13.0069	04.5	154.5	2216	2357	10254.0		33.762	-00.832	352.7	6849	
01/17/07	17	01:18	-70 28.3072	174 13.3118											Sonobuoy launched ch15
01/17/07	17	01:30	-70 29.1165	174 14.4278	04.4	153.9	2509	2470	10253.0		33.745	-00.813	354.3	6923	
01/17/07	17	01:45	-70 30.1117	174 15.8990	04.2	155.9	2556	2597	10253.0		33.753	-00.810	352.2	6998	
01/17/07	17	02:00	-70 31.0959	174 17.2897	04.9	155.0	2562	2523	10253.0		33.751	-00.771	349.9	7072	Sian Off, Lisa On
01/17/07	17	02:15	-70 32.1419	174 18.8086	03.5	150.0	2529	2549	10254.0		33.751	-00.778	349.7	7149	
01/17/07	17	02:30	-70 33.1119	174 20.1617	05.2	154.8	2500	2462	10255.0		33.746	-00.711	347.9	7223	
01/17/07	17	02:45	-70 34.1322	174 21.5771	04.9	157.7	2572	2524	10255.0		33.762	-00.665	347.3	7297	
01/17/07	17	03:00	-70 35.1036	174 22.9350	04.1	147.9	2563	2516	10255.0		33.787	-00.659	344.5	7369	
01/17/07	17	03:15	-70 36.2187	174 24.4180	04.5	156.1	2560	2510	10256.0		33.748	-00.720	344.4	7448	
01/17/07	17	03:30	-70 37.2057	174 25.9387	04.3	148.6	2550	2471	10256.0		33.716	-00.746	344.2	7522	
01/17/07	17	03:45	-70 38.1761	174 27.4026	04.1	154.9	2528	2482	10257.0		33.694	-00.745	344.0	7597	
01/17/07	17	04:00	-70 39.1241	174 28.7686	04.2	155.6	2538	2483	10259.0		33.694	-00.796	343.0	7675	starboard turn
01/17/07	17	04:15	-70 40.0923	174 29.6860	03.1	190.6	2529	2482	10263.0		33.693	-00.815	343.8	7747	turn complete
01/17/07	17	04:30	-70 41.0188	174 28.3813	03.5	225.0	2516	2460	10273.0		33.702	-00.746	343.8	7823	
01/17/07	17	04:45	-70 41.9930	174 26.8597	04.0	216.5	2494	2445	10274.0		33.721	-00.741	346.5	7897	
01/17/07	17	05:00	-70 42.9163	174 25.3375	04.7	207.9	2476	2429	10276.0		33.738	-00.828	346.2	7971	Franzi Off, Marcel on
01/17/07	17	05:15	-70 43.9197	174 23.7433	05.0	204.1	2459	2408	10277.0		33.737	-00.801	347.9	8048	
01/17/07	17	05:30	-70 44.8663	174 22.2574	04.0	214.2		2378	10276.0		33.738	-00.787	347.6	8123	sonobouy ch 31 deployed, #41, type 57B
01/17/07	17	05:45	-70 45.8286	174 20.7028	04.6	209.5	2462	2413	10277.0		33.739	-00.799	346.4	8198	
01/17/07	17	06:00	-70 46.7820	174 19.0758	04.3	214.3	2430	2390	10280.0		33.753	-00.869	346.4	8275	
01/17/07	17	06:15	-70 47.7351	174 17.5768	04.3	207.9	2468	2424	10280.0		33.732	-00.826	345.9	8348	
01/17/07	17	06:30	-70 48.6923	174 15.9760	03.7	207.5	2425	2374	10283.0		33.733	-00.845	344.5	8423	
01/17/07	17	06:45	-70 49.5909	174 14.5541	03.9	205.8	2426	2377	10285.0		33.739	-00.855	341.2	8498	
01/17/07	17	07:00	-70 50.5178	174 13.1900	04.8	203.5	2364	2323	10284.0		33.719	-00.882	342.0	8575	
01/17/07	17	07:15	-70 51.3782	174 11.6521	04.3	211.2	2390	2346	10287.0		33.728	-00.886	341.2	8648	
01/17/07	17	07:30	-70 52.2890	174 10.1440	04.2	207.0	2320	2285	10287.0		33.734	-00.922	341.9	8722	
01/17/07	17	07:45	-70 53.2345	174 08.7003	04.4	207.5	2380	2335	10288.0		33.752	-00.847	341.9	8801	
01/17/07	17	08:00	-70 54.1566	174 07.2089	03.9	218.7	2329	2289	10289.0		33.767	-00.827	344.6	8880	Lisa off, Rose on
01/17/07	17	08:15	-70 55.0172	174 05.7751	04.4	208.4	2352	2307	10289.0		33.781	-00.830	346.2	8949	
01/17/07	17	08:30	-70 55.9415	174 04.3295	03.8	215.4	2347	2299	10288.0		33.790	-00.760	348.4	9023	
01/17/07	17	08:45	-70 56.8465	174 02.8198	04.6	198.3	2337	2294	10287.0		33.764	-00.746	346.9	9097	
01/17/07	17	09:00	-70 57.7867	174 01.3339	04.7	206.3	2321	2268	10288.0		33.775	-00.758	346.7	9173	
01/17/07	17	09:15	-70 58.7091	173 59.7995	04.4	208.6	2304	2256	10288.0		33.775	-00.699	347.2	9247	
01/17/07	17	09:30	-70 59.6576	173 58.2559	04.4	205.4	2310	2264	10287.0		33.767	-00.686	347.2	9324	
01/17/07	17	09:45	-71 00.6189	173 56.7114	03.7	214.8	2296	2249	10286.0		33.789	-00.722	344.4	9398	
01/17/07	17	10:00	-71 01.5532	173 55.0717	04.2	241.7	2268	2290	10289.0		33.783	-00.750	344.2	9472	
01/17/07	17	10:15	-71 02.4939	173 53.5410	04.0	206.4	2257	2208	10286.0		33.773	-00.801	346.2	9547	
01/17/07	17	10:30	-71 03.4589	173 52.0312	04.5	206.6	2240	2191	10284.0		33.772	-00.727	342.1	9622	
01/17/07	17	10:45	-71 04.4664	173 50.5124	04.7	203.0	2220	2175	10282.0		33.790	-00.759	338.1	9698	



01/17/07	17	11:00	-71 05.4753	173 49.2233	03.9	202.7	2213	2327	10279.0		33.782	-00.697	338.1	9771	
01/17/07	17	11:15	-71 06.5433	173 48.6420	04.1	177.7	2208	2170	10274.0		33.790	-00.679	335.7	141	11:07 start offline 10, turn
01/17/07	17	11:30	-71 07.5970	173 49.1311	04.2	173.5	2198	2177	10272.0		33.788	-00.695	334.8	216	
01/17/07	17	11:45	-71 08.6668	173 49.4699	04.5	170.6	2199	2147	10273.0		33.791	-00.662	334.8	293	
01/17/07	17	12:00	-71 09.7600	173 50.4135	04.8	167.4	2198	2156	10275.0		33.796	-00.741	334.3	367	
01/17/07	17	12:15	-71 10.9863	173 51.0278	04.4	171.8	2192	2145	10275.0		33.791	-00.723	335.5	448	
01/17/07	17	12:30	-71 12.0062	173 51.6660	05.2	170.6	2184	2142	10276.0		33.789	-00.749	334.5	515	
01/17/07	17	12:45	-71 13.0852	173 52.4670	05.1	168.4	2182	2130	10275.0		34.029	-00.768	334.5	597	Water wall instrumentation clean up; hence sound velocity error
01/17/07	17	13:00	-71 14.1266	173 53.1610	04.7	169.4	2180	2135	10275.0		33.900	-00.769	338.6	668	
01/17/07	17	13:15	-71 15.2380	173 53.6755	03.8	169.4	2187	2140	10276.0		33.912	-00.791	333.7	741	
01/17/07	17	13:30	-71 16.2749	173 54.2953	04.4	169.4	2186	2136	10273.0		33.922	-00.784	334.0	816	
01/17/07	17	13:45	-71 17.2952	173 54.8822	04.3	164.3	2166	2119	10274.0		33.927	-00.756	337.3	888	
01/17/07	17	14:00	-71 18.4158	173 55.7227	03.9	161.2	2153	2104	10273.0		33.946	-00.738	338.9	964	
01/17/07	17	14:15	-71 19.4769	173 56.5823	05.0	167.7	2152	2113	10273.0		33.944	-00.756	339.1	1041	
01/17/07	17	14:30	-71 20.6319	173 57.0978	04.7	167.5	2161	2118	10274.0		33.949	-00.757	339.1	1117	
01/17/07	17	14:37	-71 21.1794	173 57.4301											Sonobuoy #42 ch 15..
01/17/07	17	14:45	-71 21.6920	173 57.6370	04.1	170.2	2178	2132	10275.0		33.943	-00.773	338.6	1190	
01/17/07	17	15:00	-71 22.7417	173 58.3228	04.1	165.8	2198	2155	10273.0		33.931	-00.801	337.8	1268	
01/17/07	17	15:15	-71 23.7656	173 59.1769	03.9	163.5	2209	2167	10274.0		33.931	-00.797	337.9	1341	
01/17/07	17	15:30	-71 24.8401	173 59.8801	04.3	165.8	2191	2149	10276.0		33.930	-00.774	338.0	1415	
01/17/07	17	15:45	-71 25.9140	174 00.5118	03.9	166.4	2166	2124	10278.0		33.935	-00.748	337.6	1490	
01/17/07	17	16:00	-71 27.0053	174 01.2003	04.4	168.7	2136	2099	10278.0		33.948	-00.814	337.6	1565	
01/17/07	17	16:15	-71 28.0270	174 02.0206	04.1	162.8	2141	2095	10280.0		33.943	-00.866	336.9	1641	
01/17/07	17	16:30	-71 29.0602	174 02.8711	04.4	169.1	2148	2101	10281.0		33.952	-00.797	339.1	1715	
01/17/07	17	16:45	-71 30.1433	174 03.4305	04.4	171.3	2146	2102	10282.0		33.959	-00.754	341.6	1792	
01/17/07	17	17:00	-71 31.1884	174 03.8489	04.6	174.3	2140	2132	10284.0		33.965	-00.788	340.2	1864	Roi off, Michelle on
01/17/07	17	17:15	-71 32.2252	174 04.2819	04.5	170.8	2134	2091	10285.0		33.984	-00.833	345.1	1942	
01/17/07	17	17:27													XBT #123 (type T5)
01/17/07	17	17:30	-71 33.2387	174 04.9182	02.6	160.8	2120	2135	10285.0		34.002	-00.867	347.1	2017	
01/17/07	17	17:45	-71 34.2050	174 05.5426	04.1	171.6	2157	2108	10286.0		34.011	-00.839	347.1	2092	
01/17/07	17	18:00	-71 35.1384	174 04.3744	04.8	252.5	2138	2439	10299.0		34.023	-00.853	354.4	2167	
01/17/07	17	18:15	-71 35.5096	174 00.7672	04.2	256.5	2100	2042	10306.0		34.008	-00.911	354.8	2243	
01/17/07	17	18:30	-71 35.7990	173 57.6251	04.2	252.2	2218	2277	10309.0		34.003	-00.885	351.2	2316	
01/17/07	17	18:45	-71 36.1194	173 54.5270	04.5	246.5	2076	2036	10315.0		34.009	-00.968	356.2	2391	
01/17/07	17	19:00	-71 36.4545	173 51.2531	04.1	254.0	1759	1900	10315.0		34.020	-00.863	358.6	2467	
01/17/07	17	19:15	-71 36.7589	173 48.0212	04.0	250.9	1832	2091	10322.0		34.025	-00.830	358.9	2541	
01/17/07	17	19:30	-71 37.0326	173 44.8947	04.3	257.2	1761	2048	10324.0		34.016	-00.784	357.9	2616	
01/17/07	17	19:45	-71 37.3512	173 41.7682	04.3	245.8	1771	1732	10323.0		33.992	-00.660	350.0	2691	
01/17/07	17	20:00	-71 37.6845	173 38.4613	04.4	252.3	1839	2006	10320.0		34.001	-00.667	347.8	2767	Danny off, Sian on
01/17/07	17	20:15	-71 38.0200	173 35.1746	04.5	251.9	2074	2084	10312.0		34.002	-00.827	348.0	2842	
01/17/07	17	20:30	-71 38.3524	173 31.9116	04.3	252.8	2136	2366	10308.0		33.985	-00.870	349.9	2917	
01/17/07	17	20:45	-71 38.6288	173 28.8034	04.1	248.9	1826	2095	10307.0		34.008	-00.911	351.8	2992	
01/17/07	17	21:00	-71 38.9259	173 25.7675	03.9	256.4	2112	2068	10307.0		34.020	-00.840	351.8	3067	
01/17/07	17	21:15	-71 39.2331	173 22.6730	04.2	247.3	1939	2013	10307.0		34.026	-00.716	355.2	3142	
01/17/07	17	21:30	-71 39.5609	173 19.6216	03.8	271.5	2005	2021	10304.0		34.061	-00.573	356.9	3217	
01/17/07	17	21:45	-71 39.6240	173 16.2698	04.7	288.6	2005	2419	10312.0		34.143	-00.567	366.7	3292	
01/17/07	17	21:49													start line 11, heading north
01/17/07	17	22:00	-71 39.0559	173 13.0399	04.7	311.0	1960	2150	10311.0		34.072	-00.490	375.9	157	
01/17/07	17	22:15	-71 38.0667	173 10.8847	05.1	338.4	1967	1914	10305.0		34.082	-00.504	369.3	232	
01/17/07	17	22:30	-71 36.8884	173 09.8007	04.5	342.3	1963	2021	10298.0		34.108	-00.505	370.6	308	
01/17/07	17	22:45	-71 35.9038	173 08.3478	04.2	330.0	1965	1925	10303.0		34.089	-00.557	370.6	382	
01/17/07	17	23:00	-71 35.0034	173 06.5891	04.4	325.2	1971	1915	10309.0		34.075	-00.577	360.9	460	Michelle Off, Franzl On
01/17/07	17	23:05	-71 34.5886	173 05.9134											Seismics Stopped
01/17/07	17	23:15	-71 34.0750	173 04.9127	04.4	326.5	1970	1927	10309.0		34.069	-00.545	358.1		
01/17/07	17	23:30	-71 33.1462	173 03.2199	03.6	333.5	1978	1932	10309.0		34.076	-00.562	359.2		
01/17/07	17	23:45	-71 32.2897	173 01.5555	04.2	322.0	1988	1948	10309.0		34.076	-00.594	358.8		
01/18/07	18	00:00	-71 31.4571	172 59.4855	04.2	319.6	2006	1959	10308.0		34.059	-00.606	359.3		
01/18/07	18	00:15	-71 30.6070	172 57.5519	04.2	323.8	2018	1977	10312.0		34.052	-00.558	359.1		
01/18/07	18	00:30	-71 29.7029	172 55.4956	04.6	329.1	2036	1990	10307.0		34.074	-00.579	357.3		
01/18/07	18	00:45	-71 28.8634	172 53.8898	03.9	328.5	2055	2008	10306.0		34.076	-00.618	362.5		
01/18/07	18	00:57	-71 28.1506	172 52.5421											magnetometer in water (but pulled in again a bit later)

01/18/07	18	01:00	-71 28.0211	172 52.3151	03.9	328.7	2390	2042	10305.0		34.078	-00.627	363.7		
01/18/07	18	01:15	-71 27.2227	172 50.7779	03.9	330.1	2117	2086	10308.0		34.097	-00.584	366.7		
01/18/07	18	01:30	-71 26.2733	172 49.9503	04.2	074.7	2108	2032	10294.0		34.102	-00.552	371.9		
01/18/07	18	01:45	-71 26.5237	172 53.1198	04.0	099.8	2091	1576	10284.0		34.103	-00.613	371.3		MBC wrong
01/18/07	18	02:00	-71 27.0383	172 55.9140	03.6	114.9	2083	1716	10288.0		34.069	-00.601	371.3		Sian off, Lisa on, MBC
01/18/07	18	02:15	-71 27.5313	172 59.0204	04.4	104.6	2057	2429	10286.0		34.061	-00.600	359.4		MBC wrong, bathy was wrong for a few minutes
01/18/07	18	02:30	-71 27.9488	173 02.0206	04.1	108.0	2045	1601	10288.0		34.049	-00.656	356.1		MBC wrong
01/18/07	18	02:45	-71 28.3195	173 05.1791	04.4	092.6	2017	2223	10286.0		34.034	-00.659	356.1		MBC a bit wrong
01/18/07	18	03:00	-71 28.7320	173 08.0878	04.5	115.1	2012	2421	10291.0		34.043	-00.584	357.4		MBC wrong
01/18/07	18	03:15	-71 29.2529	173 11.1108	04.9	126.3	2024	1662	10285.0		34.029	-00.614	357.3		MBC wrong
01/18/07	18	03:30	-71 29.7588	173 14.3536	04.7	119.4	2055	2224	10284.0		34.037	-00.710	355.9		MBC wrong
01/18/07	18	03:45	-71 30.2069	173 17.8949	04.9	098.9	1751	2589	10280.0		34.031	-00.765	355.9		neither depth correct
01/18/07	18	04:00	-71 30.5905	173 21.5588	04.9	107.7	2089	1908	10280.0		34.027	-00.739	357.4		
01/18/07	18	04:15	-71 31.0442	173 25.2548	04.7	109.7	2089	2208	10282.0		34.023	-00.726	356.1		MBC wrong
01/18/07	18	04:30	-71 31.4800	173 28.5342	04.6	106.5	2090	2029	10279.0		34.019	-00.656	355.1		
01/18/07	18	04:45	-71 31.8329	173 31.7441	04.7	120.7	2172	2249	10277.0		33.997	-00.704	352.4		
01/18/07	18	05:00	-71 32.2746	173 34.7598	04.7	121.6	2168	1909	10277.0		33.985	-00.711	348.0		MBC wrong, Franziska off, Marcel on
01/18/07	18	05:15	-71 32.7544	173 38.0090	04.5	117.9	2184	2457	10280.0		33.998	-00.631	348.0		MBC wrong
01/18/07	18	05:30	-71 33.2364	173 41.0303	04.0	114.0	1894	2569	10289.0		34.012	-00.732	350.4		MBC wrong
01/18/07	18	05:45	-71 33.6479	173 44.2498	04.2	110.5	1670	2580	10296.0		34.005	-00.498	351.7		MBC wrong
01/18/07	18	06:00	-71 34.0585	173 47.4445	04.6	118.5	1624	2208	10300.0		34.021	-00.495	352.4		
01/18/07	18	06:15	-71 34.4939	173 50.7605	04.2	110.3	1795	1835	10296.0		34.042	-00.856	359.5		
01/18/07	18	06:30	-71 35.1347	173 55.2017	04.4	120.1	2074	2023	10292.0		34.037	-00.859	360.6		
01/18/07	18	06:45	-71 35.3897	173 56.7856	04.6	117.1	2078	2428	10286.0		34.034	-00.877	360.4		
01/18/07	18	07:00	-71 35.8804	174 00.1007	04.3	109.9	2088	2037	10280.0		34.032	-00.882	360.4		
01/18/07	18	07:15	-71 36.3029	174 03.2318	04.5	113.2	1719	2137	10280.0		34.032	-00.915	357.8		
01/18/07	18	07:30	-71 36.8015	174 06.3840	04.5	120.9	2234	2482	10282.0		34.034	-00.943	356.1		
01/18/07	18	07:45	-71 37.2176	174 09.5490	04.7	117.6	2212	2206	10285.0		34.046	-00.926	360.0		
01/18/07	18	08:00	-71 37.6790	174 12.8293	05.1	113.0	2194	2266	10284.0		34.048	-00.912	360.5		
01/18/07	18	08:15	-71 38.1102	174 15.8286	04.8	112.8	2195	2054	10284.0		34.042	-00.970	359.7		
01/18/07	18	08:30	-71 38.5350	174 19.3039	04.4	110.7	2192	2289	10288.0		34.035	-00.973	359.4		
01/18/07	18	08:45	-71 38.9035	174 22.4707	04.4	117.2	2499	2398	10291.0		34.020	-00.932	359.4		
01/18/07	18	09:00	-71 39.3690	174 25.6723	04.5	119.1	2186	2186	10292.0		34.015	-00.925	355.4		
01/18/07	18	09:15	-71 39.8305	174 28.7456	04.6	112.8	2568	2217	10293.0		34.012	-00.934	354.4		
01/18/07	18	09:30	-71 40.2287	174 31.8713	04.3	115.3	2198	2151	10295.0		34.011	-00.935	353.5		
01/18/07	18	09:45	-71 40.6430	174 34.9146	04.5	119.4	2198	2463	10297.0		34.008	-00.984	353.2		
01/18/07	18	10:00	-71 41.0266	174 38.0951	04.4	097.1	2194	2415	10298.0		34.003	-01.000	355.3		
01/18/07	18	10:15	-71 41.4354	174 41.2903	04.4	109.7	2187	2196	10303.0		33.997	-00.994	355.3		
01/18/07	18	10:30	-71 41.8845	174 44.3033	04.6	101.6	2195	2478	10303.0		33.995	-01.003	355.5		
01/18/07	18	10:45	-71 42.2873	174 47.4115	04.6	109.1	2193	2196	10307.0		33.981	-00.969	352.8		
01/18/07	18	11:00	-71 42.6576	174 50.5426	04.6	115.2	2188	2139	10308.0		33.977	-00.965	351.5		
01/18/07	18	11:15	-71 43.0637	174 53.7003	03.9	112.6	2175	2209	10308.0		03.397	-00.978	351.5		
01/18/07	18	11:30	-71 43.4679	174 56.6199	04.3	119.7	2172	2126	10312.0		33.978	-01.034	351.7		
01/18/07	18	11:45	-71 43.8615	174 59.4681	04.0	091.1	2165	2210	10314.0		33.977	-01.063	354.6		
01/18/07	18	12:00	-71 44.2680	175 02.3557	04.4	116.3	2163	2177	10315.0		33.973	-01.042	354.6		
01/18/07	18	12:15	-71 44.7304	175 05.6183	03.9	112.8	2333	2161	10316.0		33.972	-01.092	357.1		
01/18/07	18	12:30	-71 45.0934	175 08.7961	04.0	104.5	2149	2102	10318.0		33.976	-01.069	358.4		
01/18/07	18	12:45	-71 45.4463	175 11.3251	03.8	122.1	2138	2091	10318.0		33.969	-00.994	355.0		
01/18/07	18	13:00	-71 45.9142	175 14.1019	04.2	115.6	2134	2087	10320.0		33.968	-01.064	352.4		
01/18/07	18	13:15	-71 46.3541	175 16.6653	04.3	119.9	2129	2019	10319.0		33.956	-01.134	357.2		
01/18/07	18	13:30	-71 46.9135	175 19.4769	04.5	124.7	2126	2077	10318.0		33.955	-01.144	357.9		
01/18/07	18	13:45	-71 47.4458	175 22.2299	04.3	118.0	2115	2069	10319.0		33.955	-01.144	359.4		
01/18/07	18	14:00	-71 47.9068	175 25.0552	04.1	117.0	2103	2137	10318.0		33.943	-01.130	359.3		
01/18/07	18	14:15	-71 48.3517	175 27.8293	04.1	116.4	3555	1758	10320.0		33.947	-01.113	358.7		
01/18/07	18	14:30	-71 48.8036	175 30.4825	03.7	111.1	2080	2244	10321.0		33.928	-01.138	357.4		
01/18/07	18	14:45	-71 49.2064	175 33.0414	03.8	118.2	2063	2100	10321.0		33.926	-01.123	357.2		
01/18/07	18	15:00	-71 49.6399	175 35.6836	03.6	121.1	2046	1997	10321.0		33.936	-01.083	357.1		
01/18/07	18	15:15	-71 50.1114	175 38.3826	04.0	114.9	2012	2046	10320.0		33.974	-01.088	357.1		
01/18/07	18	15:30	-71 50.5669	175 41.3443	04.1	110.7	2006	1961	10316.0		33.972	-01.180	365.5		
01/18/07	18	15:45	-71 50.9766	175 44.4946	04.5	106.6	1995	1952	10315.0		33.913	-01.236	359.9		
01/18/07	18	16:00	-71 50.0079	175 46.1490	03.3	045.2	2024	1978	10319.0		33.929	-01.145	358.2		

01/18/07	18	16:15	-71 49.6967	175 49.0942	03.9	105.4	2030	1985	10310.0		33.937	-01.224	361.9	
01/18/07	18	16:30	-71 50.0391	175 52.0258	04.1	101.0	2017	1972	10307.0		33.934	-01.146	363.8	started pulling streamer (ice)
01/18/07	18	16:45	-71 49.4884	175 51.4636	03.4	306.5	2026	1981	10321.0		33.951	-01.166	364.9	
01/18/07	18	17:00	-71 49.0462	175 49.7415	02.2	337.0	2034	1989	10322.0		33.923	-01.164	364.9	Roi off, Michelle on
01/18/07	18	17:15	-71 48.5661	175 49.3268	01.8	351.6	2042	1996	10319.0		33.889	-01.140	354.2	
01/18/07	18	17:30	-71 48.1004	175 49.0915	02.0	353.1	2056	2010	10319.0		33.885	-01.154	350.5	
01/18/07	18	17:45	-71 47.6514	175 48.8223	01.8	351.8	2057	2014	10320.0		33.885	-01.165	349.6	
01/18/07	18	18:00	-71 47.2380	175 48.5202	01.9	347.9	2068	2022	10320.0		33.881	-01.160	350.1	
01/18/07	18	18:10												magnetometer in the water
01/18/07	18	18:15	-71 46.6910	175 48.5568	05.4	047.0	2078	2031	10320.0		33.884	-01.138	350.0	
		08:19	-71 46.3596	175 49.8889						64164				magnetometer online
01/18/07	18	18:30	-71 45.5566	175 53.6197	09.0	054.6	2057	2012	10300.0	64193	33.893	-01.147	350.0	
01/18/07	18	18:45	-71 44.1472	175 59.4003	09.3	055.0	1977	1931	10294.0	64271	33.885	-01.177	349.1	
01/18/07	18	19:00	-71 43.9366	176 06.5231	09.3	089.1	1955	1911	10281.0	64166	33.934	-01.168	356.6	
01/18/07	18	19:15	-71 43.8240	176 13.7659	09.1	087.2	1906	1845	10271.0	64091	33.938	-01.160	357.3	
01/18/07	18	19:27								64014				magnetometer powered down in order to move it to the center line
01/18/07	18	19:30	-71 43.7723	176 21.2073	09.1	086.1	1853	1813	10262.0		33.910	-01.152	354.4	magnetometer being pulled out (twisted)
01/18/07	18	19:45	-71 43.6839	176 25.0836	05.4	085.7	1796	1755	10271.0		33.904	-01.152	352.2	
01/18/07	18	20:00	-71 43.6528	176 30.6097	07.8	088.6	1708	1668	10266.0		33.910	-01.145	351.3	Danny off, Sian on
01/18/07	18	20:15	-71 43.6377	176 36.7685	07.8	090.3	1617	1576	10273.0		33.967	-01.083	351.3	
01/18/07	18	20:20												missed peak with Bathy2000
01/18/07	18	20:30	-71 43.5590	176 43.2010	08.1	084.0	1232	1201	10293.0		33.969	-01.058	369.3	
01/18/07	18	20:45	-71 43.3543	176 48.2913	04.9	080.6	1174	1144	10308.0		33.961	-01.063	368.3	
01/18/07	18	20:54												magnetometer in the water
01/18/07	18	21:00	-71 43.1488	176 53.5684	07.6	084.7	1118	1088	10310.0		33.949	-01.030	367.9	
		21:06								64017				magnetometer back on line
01/18/07	18	21:15	-71 43.0042	177 00.2948	09.1	087.2	905	886	10317.0	64020	33.940	-01.046	367.3	
01/18/07	18	21:30	-71 43.0247	177 07.4707	09.0	093.5	792	770	10329.0	64031	33.940	-01.075	365.5	
01/18/07	18	21:45	-71 43.0367	177 13.8171	07.7	095.6	923	898	10331.0	64030	33.885	-01.075	365.1	
01/18/07	18	21:54												XBT #124
01/18/07	18	22:00	-71 42.6819	177 18.3884	05.0	071.1	1002	974	10337.0	64000	33.834	-01.053	365.1	
01/18/07	18	22:15	-71 41.7068	177 23.5052	09.3	058.4	1168	1144	10326.0	64035	33.812	-01.104	357.8	
01/18/07	18	22:30	-71 40.9465	177 29.1531	08.9	063.1	1187	1155	10318.0	64220	33.783	-01.127	356.6	
01/18/07	18	22:45	-71 39.7957	177 34.1654	04.8	051.5	1226	1194	10315.0	64240	33.783	-01.155	356.5	
01/18/07	18	23:00	-71 38.0580	177 34.9072	11.2	357.2	1257	1228	10329.0	64131	33.790	-01.139	355.7	Michelle off, Franziska on
01/18/07	18	23:15	-71 35.4153	177 35.8017	09.2	018.0	1520	1486	10311.0	63942	33.799	-01.195	357.0	
01/18/07	18	23:30	-71 34.3405	177 41.2381	10.0	057.0	1761	1728	10290.0	63927	33.753	-01.178	357.0	
01/18/07	18	23:45	-71 33.4634	177 41.1520	07.7	264.2	1872	1851	10315.0	63912	33.756	-01.135	354.3	
01/19/07	19	00:00	-71 33.5674	177 35.8035	08.7	271.6	1729	1679	10321.0	63930	33.656	-01.205	354.6	
01/19/07	19	00:15	-71 33.4232	177 28.7604	10.7	270.9	1698	1658	10328.0	63874	33.783	-01.160	355.3	
01/19/07	19	00:30	-71 33.4872	177 20.3613	10.7	270.7	1128	1102	10346.0	63980	33.809	-01.171	358.2	
01/19/07	19	00:45	-71 33.5097	177 11.7819	11.2	267.2	1085	1057	10366.0	64021	33.916	-01.058	362.0	
01/19/07	19	01:00	-71 33.5005	177 03.1906	10.7	269.9	997	972	10374.0	64072	33.943	-01.008	366.7	
01/19/07	19	01:15	-71 33.5564	176 54.6030	10.8	268.3	1057	1038	10375.0	64196	33.953	-00.996	366.7	
01/19/07	19	01:30	-71 33.6378	176 45.9888	11.0	268.5	1343	1314	10362.0	64235	33.960	-01.074	368.9	
01/19/07	19	01:45	-71 33.7248	176 37.4268	11.1	268.2	2065	2017	10314.0	64101	33.874	-01.077	364.1	
01/19/07	19	02:00	-71 33.7793	176 28.9087	10.6	267.1	2040	1997	10297.0	63968	33.839	-01.058	357.1	Sian off, Lisa on
01/19/07	19	02:15	-71 33.8127	176 20.5554	11.1	270.3	2055	2012	10298.0	63835	33.839	-01.077	348.2	
01/19/07	19	02:30	-71 33.8548	176 11.6711	11.0	269.5	2096	2056	10309.0	63993	33.837	-01.070	342.6	
01/19/07	19	02:45	-71 34.1249	176 03.1000	11.0	263.9	2034	1999	10325.0	64601	33.846	-01.113	343.4	
01/19/07	19	03:00	-71 34.2522	175 55.1779	11.2	269.1	2102	2059	10335.0	64205	33.852	-01.008	343.4	
01/19/07	19	03:15	-71 34.6005	175 46.7249	08.4	270.3	2153	2107	10341.0	63988	33.887	-00.981	345.6	
01/19/07	19	03:30	-71 34.3748	175 41.6730	07.2	286.5	2169	2189	10331.0	64056	33.870	-01.104	347.4	
01/19/07	19	03:45	-71 34.2284	175 34.9329	10.1	270.4	2196	2148	10345.0	64385	33.982	-00.978	351.6	
01/19/07	19	04:00	-71 34.1725	175 26.2885	10.6	270.7	2208	2162	10354.0	63940	33.942	-00.917	351.3	
01/19/07	19	04:15	-71 34.1780	175 18.4113	10.6	268.1	2229	2183	10353.0	64006	33.945	-00.928	345.5	
01/19/07	19	04:30	-71 34.2870	175 10.2274	10.7	266.8	2237	2205	10354.0	63927	33.960	-00.870	345.5	
01/19/07	19	04:45	-71 34.4156	175 01.7917	10.4	266.7	2249	2199	10353.0	63927	33.992	-00.893	350.9	
01/19/07	19	05:00	-71 34.4719	174 53.9291	10.3	269.3	2246	2200	10352.0	63968	33.999	-00.921	353.8	Franziska off, Marcel on
01/19/07	19	05:15	-71 34.5209	174 45.7269	10.4	270.3	2242	2196	10348.0	64045	34.002	-00.945	355.2	
01/19/07	19	05:30	-71 34.5145	174 37.7161	10.2	269.0	2239	2193	10346.0	64030	34.011	-00.965	356.2	

01/19/07	19	05:45	-71 34.5131	174 29.4525	10.4	268.5	2230	2184	10338.0	64137	34.003	-00.972	360.1	
01/19/07	19	06:00	-71 34.5181	174 21.4499	10.2	271.3	2218	2173	10337.0	64292	34.012	-00.924	361.0	
01/19/07	19	06:15	-71 34.4751	174 13.9288	10.3	270.1	2216	2185	10334.0	64331	34.026	-00.905	361.0	
01/19/07	19	06:36	-71 34.5905	174 05.4337	10.3	267.4	2144	2101	10328.0	64403	34.048	-00.906	362.0	
01/19/07	19	06:45	-71 34.6536	173 57.1893	10.0	268.8	2106	2066	10330.0	.	34.063	-00.863	366.2	Maggie offline
01/19/07	19	07:00	-71 34.5946	173 52.4469	04.1	284.5	1877	1857	10317.0		34.057	-00.898	367.7	
01/19/07	19	07:15	-71 34.4572	173 49.4421	03.2	278.7	1710	1679	10320.0		34.055	-00.899	365.7	streamer being deployed
01/19/07	19	07:30	-71 34.5232	173 46.7880	04.0	249.5	1624	1636	10320.0		34.048	-00.888	365.9	
01/19/07	19	07:45	-71 34.7809	173 44.5056	02.9	260.4	1634	1650	10322.0		34.049	-00.899	365.9	
01/19/07	19	08:00	-71 35.0208	173 42.4530	02.5	250.0	1683	1662	10317.0		34.059	-00.878	365.6	Lisa off, Rose on
01/19/07	19	08:15	-71 35.3893	173 40.3418	03.3	241.8	1767	1741	10314.0		34.053	-00.912	366.4	
01/19/07	19	08:30	-71 35.7852	173 38.3020	03.3	231.9	1879	1867	10309.0		34.062	-00.908	365.6	
01/19/07	19	08:45	-71 36.1674	173 36.5625	02.5	212.0	2152	2107	10304.0		34.060	-00.924	364.8	
01/19/07	19	09:00	-71 36.7639	173 35.9976	02.7	198.4	2148	2157	10298.0		34.043	-00.911	363.6	
01/19/07	19	09:15	-71 37.3215	173 35.5380	02.3	177.7	2141	2099	10299.0		34.038	-00.915	362.2	
01/19/07	19	09:30	-71 37.9253	173 35.3870	02.5	177.6	2073	2058	10296.0		34.035	-00.947	362.2	
01/19/07	19	09:45	-71 38.4883	173 35.2359	02.1	187.4	2064	2078	10298.0		34.043	-00.923	361.9	
01/19/07	19	10:00	-71 39.1653	173 34.9146	03.0	193.8	2066	2066	10296.0		34.038	-00.898	362.3	
01/19/07	19	10:15	-71 39.7591	173 34.7269	01.9	180.6	2022	2019	10295.0		34.051	-00.885	363.4	
01/19/07	19	10:30	-71 40.2502	173 34.5218	02.2	191.3	2007	1971	10295.0		34.045	-00.935	363.9	
01/19/07	19	10:45	-71 40.7153	173 34.3021	02.2	168.4	2034	2017	10293.0		34.043	-00.841	363.5	
01/19/07	19	11:00	-71 41.5878	173 34.0512	04.7	188.1	2096	2083	10293.0		34.052	-00.857	363.3	
01/19/07	19	11:15	-71 42.6205	173 33.6319	04.8	190.1	2090	2045	10293.0		34.054	-00.938	363.3	
01/19/07	19	11:30	-71 43.6363	173 33.1165	03.9	187.9	2026	2000	10292.0		34.061	-00.957	366.5	
01/19/07	19	11:45	-71 44.5555	173 34.0485	04.2	133.7	1991	2270	10282.0		34.076	-00.968	367.8	
01/19/07	19	12:00	-71 45.2499	173 36.2466	04.3	132.3	2101	2669	10283.0		34.072	-01.001	368.3	
01/19/07	19	12:15	-71 45.7416	173 38.2278	03.5	130.8	2099	2033	10284.0		34.067	-01.028	367.6	
01/19/07	19	12:30	-71 46.2225	173 39.9930	04.0	172.5	2074	2029	10286.0		34.066	-01.026	367.4	
01/19/07	19	12:45	-71 46.9780	173 40.9058	03.5	155.7	2025	1980	10289.0		34.076	-01.008	367.4	
01/19/07	19	13:00	-71 47.6949	173 41.7041	03.2	167.6	2079	2031	10293.0		34.075	-00.991	371.3	
01/19/07	19	13:15	-71 48.4204	173 42.5116	02.8	161.7	2084	2039	10296.0		34.075	-00.999	371.2	
01/19/07	19	13:30	-71 48.8933	173 43.2751	01.7	156.4	2074	2034	10298.0		34.078	-01.006	371.0	
01/19/07	19	13:45	-71 49.3474	173 44.0460	02.5	153.1	2062	2017	10297.0		34.073	-00.974	370.9	
01/19/07	19	14:00	-71 49.7681	173 45.3168	02.8	136.5	2051	2091	10295.0		34.071	-00.998	370.3	
01/19/07	19	14:15	-71 50.1567	173 47.0013	02.3	130.8	2050	2001	10298.0		34.070	-00.994	370.0	
01/19/07	19	14:30	-71 50.5486	173 48.6896	02.5	118.0	2026	1980	10300.0		34.069	-00.966	370.0	
01/19/07	19	14:45	-71 50.8795	173 50.4456	02.7	121.4	2011	2330	10301.0		34.065	-00.955	366.8	
01/19/07	19	15:00	-71 51.5155	173 52.2473	02.5	119.5	1991	2071	10304.0		34.062	-00.925	365.5	
01/19/07	19	15:15	-71 51.5048	173 54.1800	02.6	120.5	1983	1944	10305.0		34.050	-00.925	363.5	
01/19/07	19	15:30	-71 51.7845	173 56.0834	02.6	113.0	1979	1760	10308.0		34.049	-00.941	362.7	
01/19/07	19	15:45	-71 52.0665	173 57.9922	02.6	103.0	1975	1932	10309.0		34.042	-00.927	362.0	
01/19/07	19	16:00	-71 52.2446	173 59.7986	02.6	116.9	1978	2208	10311.0		34.034	-00.949	361.8	
01/19/07	19	16:15	-71 52.3842	174 01.7313	04.1	022.1	1967	2130	10312.0		34.032	-00.979	361.8	
01/19/07	19	16:30	-71 51.4970	174 01.3495	03.5	004.1	1979	1936	10318.0		34.030	-00.943	361.8	
01/19/07	19	16:45	-71 50.6323	174 00.9723	04.1	000.1	1995	1951	10317.0		34.035	-00.921	362.3	
01/19/07	19	17:00	-71 49.6408	174 01.0428	03.8	356.7	2012	1979	10312.0		34.034	-00.967	362.1	Roi off, Michelle on
01/19/07	19	17:15	-71 48.6026	174 01.2057	04.1	000.6	2030	1986	10309.0		34.024	-00.985	362.3	
01/19/07	19	17:30	-71 47.5534	174 01.3358	04.4	355.7	2047	2001	10307.0		34.029	-00.949	362.3	
01/19/07	19	17:45	-71 46.4877	174 01.4301	04.2	002.2	2064	2020	10304.0		34.036	-00.948	362.3	
01/19/07	19	18:00	-71 45.4037	174 01.5225	04.6	003.2	2077	2031	10301.0		34.044	-00.973	361.4	
01/19/07	19	18:15	-71 44.3134	174 01.7706	04.6	011.5	2096	2052	10298.0		34.032	-00.935	361.6	
01/19/07	19	18:30	-71 43.2037	174 02.0627	04.4	007.4	2106	2071	10298.0		34.031	-00.930	360.4	
01/19/07	19	18:45	-71 42.0314	174 02.4591	04.9	009.6	2136	2091	10295.0		34.033	-00.913	360.4	
01/19/07	19	19:00	-71 40.8650	174 02.9572	04.8	011.2	2162	2117	10293.0		34.037	-00.894	360.2	
01/19/07	19	19:15	-71 39.5421	174 03.3627	05.6	004.4	2207	2164	10293.0		34.031	-00.930	360.0	
01/19/07	19	19:30	-71 38.2095	1740 03.8077	05.5	006.4	2221	2230	10293.0		34.024	-00.922	360.0	
01/19/07	19	19:45	-71 36.9218	174 04.2068	05.2	008.9	2199	2166	10291.0		34.033	-00.907	358.6	
01/19/07	19	20:00	-71 35.5911	174 04.6948	05.5	004.9	2176	2131	10289.0		34.043	-00.989	360.4	
01/19/07	19	20:15	-71 34.2989	174 05.1819	05.2	007.2	2155	2106	10289.0		34.048	-01.003	363.4	Danny off, Sian on
01/19/07	19	20:30	-71 32.9448	174 05.7788	05.7	004.6	2117	2072	10285.0		34.034	-00.979	362.0	
01/19/07	19	20:45	-71 31.5559	174 06.2357	05.4	006.6	2156	2107	10285.0		34.024	-00.975	359.9	

01/19/07	19	21:00	-71 30.1511	174 06.6092	06.1	003.8	2162	2112	10285.0		34.022	-00.981	359.9	
01/19/07	19	21:15	-71 28.7215	174 07.0349	05.9	004.0	2145	2098	10284.0		33.971	-00.949	355.1	
01/19/07	19	21:30	-71 27.2726	174 07.4863	05.8	006.5	2171	2125	10284.0		33.961	-00.943	353.8	
01/19/07	19	21:45	-71 25.7812	174 07.9953	05.7	002.6	2188	2153	10284.0		33.952	-00.919	351.1	
01/19/07	19	22:00	-71 24.3860	174 08.5126	05.7	011.4	2217	2337	10284.0		33.946	-00.908	351.6	
01/19/07	19	22:15	-71 22.9449	174 09.0363	05.7	007.8	2227	2181	10284.0		33.941	-00.942	354.0	
01/19/07	19	22:30	-71 21.4801	174 09.4656	05.5	001.9	2226	2222	10285.0		33.920	-00.956	355.9	
01/19/07	19	22:45	-71 20.0446	174 09.9875	05.5	011.1	2212	2167	10286.0		33.913	-00.962	355.9	
01/19/07	19	23:00	-71 18.6145	174 10.4581	05.3	005.0	2213	2165	10288.0		33.913	-01.010	354.6	Michelle off, Franziska on
01/19/07	19	23:15	-71 17.2861	174 10.7895	06.1	004.2	2225	2175	10285.0		33.918	-00.999	355.8	
01/19/07	19	23:30	-71 15.9174	174 11.0815	05.5	004.0	2238	2542	10286.0		33.898	-01.122	353.9	
01/19/07	19	23:45	-71 14.5743	174 11.3745	05.2	003.0	1946	2192	10287.0		33.887	-01.118	355.3	bathy wrong
01/20/07	20	00:00	-71 13.2056	174 11.4835	05.9	002.9	2219	2174	10287.0		33.889	-01.073	355.9	
01/20/07	20	00:15	-71 11.8735	174 11.6373	05.3	005.6	2259	2212	10286.0		33.883	-01.132	354.9	
01/20/07	20	00:30	-71 10.5693	174 11.9302	04.9	005.3	2254	2211	10289.0		33.865	-01.087	354.9	
01/20/07	20	00:45	-71 09.2793	174 12.1902	05.1	001.4	2264	2219	10287.0		33.864	-00.990	351.6	
01/20/07	20	01:00	-71 07.9294	174 12.4448	05.7	000.0	2270	2221	10288.0		33.879	-00.934	348.9	
01/20/07	20	01:15	-71 06.6005	174 12.5894	05.2	002.2	2279	2228	10287.0		33.907	-00.915	349.2	
01/20/07	20	01:30	-71 05.3352	174 12.8842	05.0	008.5	2290	2627	10290.0		33.928	-00.874	352.0	
01/20/07	20	01:45	-71 04.0805	174 13.1863	05.2	005.5	2301	2254	10288.0		33.958	-00.876	356.5	
01/20/07	20	02:00	-71 02.7919	174 13.4940	05.2	005.6	514	2263	10288.0		33.955	-00.906	357.4	bathy wrong, Sian off, Lisa on
01/20/07	20	02:15	-71 01.4905	174 13.9169	04.8	004.3	2311	2336	10287.0		33.950	-00.916	356.0	
01/20/07	20	02:30	-71 00.2966	174 14.3189	05.0	007.7	2276	2239	10287.0		33.957	-00.948	355.8	
01/20/07	20	02:45	-70 59.1774	174 14.6868	05.2	008.7	2360	2315	10286.0		33.936	-00.938	356.5	
01/20/07	20	03:00	-70 57.9785	174 15.1035	04.4	011.7	2373	2324	10283.0		33.952	-00.970	360.2	
01/20/07	20	03:15	-70 56.8185	174 15.4689	05.0	005.3	2378	2335	10284.0		33.958	-00.978	360.4	
01/20/07	20	03:30	-70 55.6581	174 15.8084	05.2	003.6	2347	2304	10286.0		33.958	-00.976	360.1	
01/20/07	20	03:45	-70 54.5541	174 16.1691	04.4	002.9	2371	2333	10285.0		33.958	-01.003	360.1	
01/20/07	20	04:00	-70 53.4151	174 16.4813	04.4	007.8	2396	2343	10283.0		33.955	-01.021	360.9	
01/20/07	20	04:15	-70 52.2903	174 16.8365	04.4	008.7	2419	2382	10279.0		33.949	-01.031	361.1	
01/20/07	20	04:30	-70 51.2489	174 17.1936	03.8	002.5	2415	2379	10279.0		33.939	-01.019	360.7	
01/20/07	20	04:45	-70 50.1466	174 17.6752	04.1	012.9	2433	2389	10277.0		33.932	-01.012	358.4	
01/20/07	20	05:00	-70 49.0388	174 18.0899	04.5	010.0	2446	2397	10275.0		33.913	-01.025	356.7	Franziska off, Marcel on
01/20/07	20	05:15	-70 47.9507	174 18.5641	04.3	008.6	2490	2437	10274.0		33.897	-01.043	356.8	
01/20/07	20	05:30	-70 46.8672	174 19.0567	04.0	013.9	2432	2396	10275.0		33.878	-01.037	356.8	
01/20/07	20	05:45	-70 45.7800	174 19.5145	04.4	007.0	2466	2423	10269.0		33.858	-01.024	353.7	
01/20/07	20	06:00	-70 44.6992	174 19.9429	04.8	008.8	2458	2408	10269.0		33.835	-01.026	352.8	
01/20/07	20	06:15	-70 43.5764	174 20.4987	04.9	006.5	2128	2446	10267.0		33.815	-00.999	350.7	
01/20/07	20	06:36	-70 42.4191	174 20.8987	04.5	003.2	2505	2455	10267.0		33.812	-00.996	349.0	
01/20/07	20	06:45	-70 41.2505	174 21.3583	04.6	010.4	2508	2466	10267.0		33.809	-01.009	348.9	
01/20/07	20	07:00	-70 40.1976	174 21.7566	04.3	008.5	2528	2479	10265.0		33.805	-01.027	348.9	
01/20/07	20	07:15	-70 39.0596	174 22.1411	04.5	003.1	2544	2576	10264.0		33.806	-01.003	349.2	
01/20/07	20	07:30	-70 37.9294	174 22.5531	04.7	008.5	2554	2507	10262.0		33.809	-00.996	349.7	
01/20/07	20	07:45	-70 36.8294	174 23.0466	04.9	009.4	2569	2520	10262.0		33.813	-00.962	349.3	
01/20/07	20	08:00	-70 35.7161	174 23.4952	04.4	004.0	2564	2522	10261.0		33.809	-00.979	350.0	Lisa off, Rose on
01/20/07	20	08:15	-70 34.5818	174 23.8980	04.5	010.4	2558	2515	10259.0		33.815	-00.986	349.9	
01/20/07	20	08:30	-70 33.4557	174 24.3182	04.6	005.0	2552	2507	10260.0		33.825	-00.974	350.4	
01/20/07	20	08:45	-70 32.2659	174 24.6899	05.0	005.8	2556	2500	10260.0		33.850	-00.984	350.4	
01/20/07	20	09:00	-70 31.0881	174 25.0241	04.8	008.9	2210	2482	10262.0		33.867	-00.993	357.0	
01/20/07	20	09:15	-70 29.8604	174 25.4031	05.3	003.9	2416	2384	10262.0		33.859	-00.897	356.9	
01/20/07	20	09:30	-70 28.6505	174 25.8289	04.7	009.2	2595	2551	10259.0		33.846	-00.895	352.4	
01/20/07	20	09:45	-70 27.4828	174 26.1777	05.5	010.2	2617	2566	10257.0		33.845	-00.931	352.0	
01/20/07	20	10:00	-70 26.2701	174 26.4349	04.3	002.1	2636	2580	10258.0		33.870	-00.980	354.5	
01/20/07	20	10:15	-70 25.0836	174 26.7215	05.1	004.5	2635	2570	10258.0		33.875	-00.947	355.7	
01/20/07	20	10:30	-70 23.8747	174 26.9916	04.7	003.8	2641	2591	10255.0		33.860	-00.944	355.7	
01/20/07	20	10:45	-70 22.6959	174 27.2681	04.6	007.7	2684	2688	10254.0		33.846	-01.011	357.6	
01/20/07	20	11:00	-70 21.4998	174 27.5574	04.3	004.8	2694	2634	10254.0		33.828	-00.956	356.0	Marcel off, Roi on
01/20/07	20	11:15	-70 20.3197	174 27.8201	04.3	005.3	2714	2663	10253.0		33.842	-00.919	356.7	
01/20/07	20	11:30	-70 19.1398	174 28.1177	05.2	003.1	2742	2700	10252.0		33.842	-00.872	357.4	
01/20/07	20	11:45	-70 17.9883	174 28.3337	04.6	000.2	2754	2706	10250.0		33.821	-00.427	355.2	
01/20/07	20	12:00	-70 16.8535	174 28.4981	04.7	358.6	2751	2699	10247.0		33.809	-00.974	355.2	

01/20/07	20	12:15	-70 15.6779	174 28.7045	04.3	006.2	2748	2706	10246.0	33.826	-00.908	350.1		
01/20/07	20	12:30	-70 14.5381	174 28.9517	04.6	006.2	2733	2755	10244.0	33.843	-00.862	355.4		
01/20/07	20	12:45	-70 13.3434	174 29.2090	04.6	006.2	2713	2659	10243.0	33.830	-00.890	356.6		
01/20/07	20	13:00	-70 12.2072	174 29.4131	04.7	004.3	2710	2802	10242.0	33.807	-00.879	351.8		
01/20/07	20	13:15	-70 11.0674	174 29.6136	05.0	001.0	2818	2761	10239.0	33.819	-00.892	352.1		
01/20/07	20	13:30	-70 09.9458	174 29.7684	04.3	357.5	2818	2762	10239.0	33.855	-00.881	354.4		
01/20/07	20	13:45	-70 08.8197	174 30.0018	04.2	002.0	2799	2747	10237.0	33.890	-00.891	354.4		
01/20/07	20	14:00	-70 07.7179	174 30.2042	04.5	007.0	2790	2733	10235.0	33.917	-00.943	368.6		Rose off, Danny on
01/20/07	20	14:15	-70 06.6234	174 30.4175	04.5	003.0	2794	2745	10235.0	33.930	-00.937	372.3		
01/20/07	20	14:30	-70 05.5238	174 30.6821	04.5	359.3	2794	2755	10234.0	33.938	-00.957	373.5		
01/20/07	20	14:45	-70 04.4064	174 30.9723	04.2	007.1	2800	2754	10231.0	33.958	-00.992	376.2		
01/20/07	20	15:00	-700 33.3138	174 31.2662	04.8	005.1	2799	2756	10230.0	33.956	-00.993	378.1		
01/20/07	20	15:15	-70 02.2298	174 31.5207	04.4	003.3	2785	2739	10229.0	33.940	-01.000	378.5		
01/20/07	20	15:30	-70 01.1389	174 31.8256	04.8	005.1	2792	2734	10228.0	33.924	-00.979	375.0		
01/20/07	20	15:45	-70 00.0435	174 32.0892	04.1	006.4	2818	2770	10226.0	33.927	-00.989	374.2		
01/20/07	20	16:00	-69 58.9439	174 32.3053	04.7	002.9	2820	2771	10227.0	33.918	-00.987	373.3		
01/20/07	20	16:15	-69 57.8462	174 32.5928	04.2	005.2	2852	2813	10226.0	33.920	-00.988	372.8		
01/20/07	20	16:30	-69 56.7540	174 32.8940	04.3	003.0	2913	2856	10223.0	33.923	-00.974	372.4		
01/20/07	20	16:45	-69 55.6618	174 33.0917	04.9	001.8	2911	2868	10222.0	33.920	-00.997	373.9		
01/20/07	20	17:00	-69 54.5709	174 33.3298	04.4	000.3	2902	2868	10222.0	33.935	-01.011	373.9		Roi off, Michelle on
01/20/07	20	17:15	-69 53.5016	174 33.6063	04.5	003.6	2914	2880	10219.0	33.945	-01.035	376.1		
01/20/07	20	17:30	-69 52.4442	174 33.9102	04.2	005.6	2995	2947	10217.0	33.931	-00.993	375.5		
		17:43	-69 51.4188	174 34.2764										XBT # 125 in water
01/20/07	20	17:45	-69 51.4009	174 34.2819	04.1	006.4	2995	2948	10217.0	33.922	-00.970	373.8		
01/20/07	20	18:00	-69 50.3659	174 34.6064	04.2	002.8	3030	2981	10216.0	33.931	-01.003	372.9		
01/20/07	20	18:15	-69 49.3153	174 34.9988	04.1	008.3	3022	2982	10214.0	33.933	-01.007	372.7		
01/20/07	20	18:30	-69 48.3032	174 35.3925	04.4	003.8	3083	3033	10212.0	33.923	-01.000	372.5		
01/20/07	20	18:45	-69 47.2801	174 35.7523	03.9	003.9	3104	3055	10211.0	33.925	-00.974	372.5		
01/20/07	20	19:00	-69 46.2799	174 36.1313	04.1	008.4	3110	3066	10209.0	33.920	-00.985	370.8		
01/20/07	20	19:15	-69 45.2751	174 36.5570	04.2	011.2	3126	3081	10208.0	33.915	-01.005	370.2		
01/20/07	20	19:30	-69 44.2772	174 36.9681	04.2	015.3	3148	3101	10206.0	33.920	-01.007	371.2		
01/20/07	20	19:45	-69 43.2623	174 37.4423	04.0	009.7	3167	3119	10204.0	33.916	-01.020	371.6		
01/20/07	20	20:00	-69 42.2369	174 37.9285	03.8	011.4	3180	3130	10202.0	33.911	-01.067	371.2		Danny Off, Sian On
01/20/07	20	20:15	-69 41.1845	174 38.1741	03.9	012.0	3196	3148	10202.0	33.904	-01.014	371.2		
01/20/07	20	20:30	-69 40.8215	174 37.1622	04.6	229.8	3197	3181	10214.0	33.901	-01.028	370.6		
01/20/07	20	20:45	-69 41.5750	174 34.8669	04.9	220.7	3157	3125	10214.0	33.901	-01.021	371.0		
01/20/07	20	21:00	-69 42.3047	174 32.6147	04.6	228.9	3118	3068	10220.0	33.903	-01.030	371.1		
01/20/07	20	21:15	-69 43.0669	174 30.2921	04.7	224.4	3096	2748	10220.0	33.913	-01.012	371.1		
01/20/07	20	21:30	-69 43.8373	174 28.0206	04.1	220.3	3078	3541	10221.0	33.887	-01.036	370.5		
01/20/07	20	21:45	-69 44.6379	174 25.8224	04.7	222.8	3035	3380	10222.0	33.869	-01.019	369.0		
01/20/07	20	22:00	-69 45.3726	174 23.3322	04.5	237.3	2516	2359	10228.0	33.879	-00.998	369.0		Bathy is wrong
01/20/07	20	22:15	-69 45.9709	174 20.3961	05.1	237.0	3000	3374	10228.0	33.910	-00.985	370.5		
01/20/07	20	22:30	-69 46.6063	174 17.4003	04.5	242.4	2996	2572	10229.0	33.917	-00.971	371.7		
01/20/07	20	22:45	-69 47.2389	174 14.4370	04.9	236.8	3002	2801	10230.0	33.912	-00.987	372.2		
01/20/07	20	23:00	-69 47.8189	174 11.6107	04.7	241.8	3025	3025	10232.0	33.917	-00.965	372.2		Michelle off, Franziska on
01/20/07	20	23:15	-69 48.4666	174 08.6710	05.1	239.2	3017	3324	10234.0	33.914	-00.965	373.5		MBc wrong
01/20/07	20	23:30	-69 49.1327	174 05.6644	04.9	238.4	2982	2939	10231.0	33.929	-00.980	374.2		
01/20/07	20	23:45	-69 49.8495	174 02.6459	05.3	236.7	2932	3271	10235.0	33.952	-00.943	374.2		MBc wrong
01/21/07	21	00:00	-69 50.5412	173 59.5908	05.1	239.0	2991	2982	10235.0	33.981	-01.014	379.8		
01/21/07	21	00:15	-69 51.1954	173 56.5411	05.2	236.6	2843	2784	10237.0	33.992	-01.026	382.7		
01/21/07	21	00:30	-69 51.8765	173 53.4119	04.9	243.6	2784	3516	10239.0	33.982	-01.034	382.4		MBc wrong
01/21/07	21	00:45	-69 52.4940	173 50.4153	05.3	236.8	2744	3185	10239.0	33.970	-01.011	380.6		MBc wrong
01/21/07	21	01:00	-69 53.1889	173 47.2192	05.5	233.9	2709	2660	10243.0	33.960	-00.978	380.0		
01/21/07	21	01:15	-69 53.9186	173 44.0131	05.4	234.3	2693	2642	10240.0	33.951	-00.978	380.0		
01/21/07	21	01:30	-69 54.6336	173 40.8948	04.8	240.9	2667	2601	10244.0	33.952	-00.970	375.7		
01/21/07	21	01:45	-69 55.3633	173 37.7426	05.7	241.2	2549	2626	10245.0	33.958	-00.986	377.1		
01/21/07	21	02:00	-69 56.0619	173 34.6317	05.0	234.6	2499	2454	10248.0	33.961	-00.963	378.6		Sian off, Lisa on
01/21/07	21	02:15	-69 56.6940	173 31.6699	05.2	235.8	2472	2570	10253.0	33.938	-00.933	377.0		
01/21/07	21	02:30	-69 57.3720	173 28.5555	05.0	235.7	2465	2414	10255.0	33.939	-00.896	375.0		
01/21/07	21	02:45	-69 57.9887	173 25.7154	04.7	237.5	2477	2263	10259.0	33.957	-00.926	375.3		
01/21/07	21	03:00	-69 58.6923	173 22.6895	04.7	244.3	2358	2316	10262.0	33.943	-00.909	375.3		



01/21/07	21	03:15	-69 59.2744	173 19.5798	05.1	240.1	2322	2637	10265.0		33.941	-00.911	379.2		
01/21/07	21	03:30	-69 59.8752	173 16.5349	04.9	236.8	2286	2239	10268.0		33.933	-00.869	378.0		
01/21/07	21	03:45	-70 00.4395	173 13.5698	04.2	242.9	2401	2412	10264.0		33.922	-00.856	376.1		
01/21/07	21	04:00	-70 00.9334	173 10.8938	04.1	248.1	2195	2195	10264.0		33.914	-00.870	374.2		
01/21/07	21	04:15	-70 01.3545	173 08.3259	04.4	242.2	2207	2164	10264.0		33.928	-00.889	375.5		
01/21/07	21	04:30	-70 01.6988	173 06.2100	04.0	237.3	2909	2142	10264.0		33.936	-00.917	376.0		bathy wrong
01/21/07	21	04:45	-70 02.2874	173 03.0075	04.0	249.7	2211	2389	10264.0		33.940	-00.938	377.3		
01/21/07	21	05:00	-70 02.7145	173 00.3958	04.2	244.8	2058	2018	10264.0		33.943	-00.952	379.7		Franzi off, Marcel on
01/21/07	21	05:15	-70 03.1598	172 57.7679	04.2	238.8	1840	1905	10263.0		33.940	-00.931	379.1		
01/21/07	21	05:30	-70 03.5445	172 55.3940	03.5	242.2	1909	1864	10262.0		33.949	-00.921	378.9		
01/21/07	21	05:45	-70 03.9345	172 53.0768	03.5	248.8	1919	1917	10255.0		33.949	-00.904	379.0		
01/21/07	21	06:00	-70 04.3039	172 50.7477	03.4	244.3	1885	1986	10246.0		33.954	-00.859	379.1		
01/21/07	21	06:15	-70 04.6754	172 48.4329	03.5	253.4	1556	2443	10299.0		33.969	-00.841	379.1		bathy wrong
		06:30	-70 05.0218	172 46.1958	03.7	239.5	1719	2638	10215.0		33.974	-00.822	372.7		bathy wrong
01/21/07	21	06:45	-70 05.4287	172 43.9187	03.4	245.0	1372	2929	10202.0		33.981	-00.787	370.6		bathy wrong
01/21/07	21	07:00	-70 05.7765	172 41.7654	03.3	248.2	2494	2907	10193.0		33.988	-00.785	368.3		
01/21/07	21	07:15	-70 06.1569	172 39.5059	03.1	252.7	1907	2095	10183.0		33.992	-00.787	368.7		
01/21/07	21	07:30	-70 06.5469	172 37.1118	03.6	246.6	1050	2668	10179.0		33.992	-00.796	369.4		bathy + MBc wrong
01/21/07	21	07:45	-70 06.8999	172 34.9979	03.0	260.1	2490	2999	10177.0		33.986	-00.795	369.9		
01/21/07	21	08:00	-70 07.2839	172 32.5809	03.9	242.8	1530	2228	10174.0		33.995	-00.747	369.9		
01/21/07	21	08:15	-70 07.6634	172 30.2609	03.6	242.4	2632	2565	10172.0		34.007	-00.739	368.7		
01/21/07	21	08:30	-70 08.0580	172 27.8860	03.4	252.0	2571	2674	10171.0		34.010	-00.697	368.3		
01/21/07	21	08:45	-70 08.4471	172 25.6705	03.2	246.7	2583	2533	10174.0		34.021	-00.701	367.2		
01/21/07	21	09:00	-70 08.8486	172 23.4622	03.5	238.9	2865	2533	10177.0		34.027	-00.738	367.3		
01/21/07	21	09:15	-70 09.2496	172 21.2988	03.5	242.9	2583	2147	10178.0		34.034	-00.758	370.8		
01/21/07	21	09:30	-70 09.6451	172 19.1080	03.6	235.1	2632	2580	10186.0		34.035	-00.766	371.3		
01/21/07	21	09:45	-70 10.0543	172 16.8777	03.7	246.6	2655	2610	10194.0		34.040	-00.761	368.3		
01/21/07	21	10:00	-70 10.4247	172 14.5221	03.6	242.3	2664	2607	10208.0		34.049	-00.783	369.0		
01/21/07	21	10:15	-70 10.8005	172 12.4292	03.4	241.2	2425	2674	10224.0		34.040	-00.806	369.3		
01/21/07	21	10:30	-70 11.2445	172 10.1715	03.2	253.8	1881	2996	10247.0		34.040	-00.801	369.2		
01/21/07	21	10:45	-70 11.6396	172 08.0054	03.7	238.2	1933	1802	10267.0		34.036	-00.809	368.7		
01/21/07	21	11:00	-70 12.0566	172 06.0077	03.5	235.3	1605	1814	10282.0		34.033	-00.783	368.5		marcel off, roi on
01/21/07	21	11:15	-70 12.5812	172 03.9587	03.3	227.4	1513	1412	10285.0		34.032	-00.744	368.5		
01/21/07	21	11:30	-70 13.2161	172 02.2797	03.4	220.6	1569	1537	10288.0		34.046	-00.671	365.6		
01/21/07	21	11:45	-70 13.8611	172 00.6400	03.6	226.6	1655	1620	10287.0		34.063	-00.619	362.8		
01/21/07	21	12:00	-70 14.5633	171 58.8528	03.6	225.6	1707	1669	10287.0		34.090	-00.641	362.0		
01/21/07	21	12:15	-70 15.2303	171 57.0969	03.3	228.9	1753	1721	10288.0		34.082	-00.650	363.8		
01/21/07	21	12:30	-70 15.9119	171 55.1624	04.0	225.6	1794	1753	10288.0		34.062	-00.708	363.2		
01/21/07	21	12:45	-70 16.4799	171 53.1775	03.4	227.4	1851	1810	10288.0		34.038	-00.777	363.3		
01/21/07	21	13:00	-70 19.0119	171 51.2631	03.5	235.7	1900	1853	10283.0		34.012	-00.736	363.3		
01/21/07	21	13:15	-70 17.6193	171 49.3323	03.6	222.5	1975	1927	10279.0		34.004	-00.711	357.2		
01/21/07	21	13:30	-70 19.2712	171 47.3163	03.7	225.5	1877	1967	10276.0		34.006	-00.690	355.3		
01/21/07	21	13:45	-70 18.9432	171 45.3232	03.9	228.2	1859	2016	10272.0		34.018	-00.654	354.6		
01/21/07	21	14:00	-70 19.6037	171 43.4070	03.7	224.4	1980	2077	10265.0		34.024	-00.664	355.4		
01/21/07	21	14:15	-70 20.3288	171 41.4999	04.2	219.8	2194	2148	10266.0		34.032	-00.690	356.7		
01/21/07	21	14:30	-70 21.0622	171 39.7824	04.0	209.0	2254	2212	10262.0		34.026	-00.702	356.7		
01/21/07	21	14:45	-70 21.9008	171 38.2050	03.6	213.7	2284	2237	10260.0		34.046	-00.637	356.2		
01/21/07	21	15:00	-70 22.8117	171 36.9141	04.2	200.9	2317	2229	10257.0		34.055	-00.647	355.9		
01/21/07	21	15:15	-70 23.6819	171 35.8887	03.5	199.8	2309	2235	10257.0		34.049	-00.628	355.8		
01/21/07	21	15:30	-70 24.4666	171 34.9411	03.5	202.1	2311	2220	10257.0		34.057	-00.566	354.7		
01/21/07	21	15:45	-70 25.2182	171 33.8425	03.3	214.6	2331	2285	10256.0		34.065	-00.534	354.3		
01/21/07	21	16:00	-70 25.9296	171 32.7696	03.1	206.2	2357	2311	10255.0	34084	34.084	-00.545	355.1		
01/21/07	21	16:15	-70 26.6862	171 31.8457	03.3	201.3	2371	2324	10254.0		34.086	-00.587	355.1		
01/21/07	21	16:30	-70 27.5029	171 31.1179	03.7	195.4	2373	2326	10251.0		34.127	-00.803	359.1		16:37 - xbt 126 - failed. 16:40 - XBT 127 - also failed!
01/21/07	21	16:45	-70 28.3315	171 30.3946	03.5	197.3	2376	2328	10250.0		34.103	-00.883	369.2		
01/21/07	21	17:00	-70 29.1792	171 29.6155	03.7	198.2	2387	2340	10249.0		34.082	-00.679	366.1		Michelle on, Roi off.
01/21/07	21	17:15	-70 30.0732	171 28.8309	03.8	197.1	2401	2353	10248.0		34.079	-00.685	360.3		
01/21/07	21	17:30	-70 30.9998	171 28.1094	03.9	195.0	2411	2362	1024.7		34.072	-00.641	359.6		
01/21/07	21	17:40	-70 31.6516	171 27.6205	03.5										streamer in water
01/21/07	21	17:45	-70 31.8777	171 27.4823	03.7	186.3	2413	2362	10246.0		34.076	-00.673	359.6		
01/21/07	21	18:00	-70 32.7132	171 28.1058	02.8	153.7	2403	2358	10241.0		34.084	-00.667	359.6		



01/22/07	22	06:30	-71 14.2300	172 47.7768	04.0	158.7	2256	2212	10276.0		34.054	-00.771	370.3	3228	
01/22/07	22	06:45	-71 15.2591	172 48.9011	04.7	161.5	2229	2182	10278.0		34.044	-00.749	368.9	3300	
01/22/07	22	07:00	-71 16.3618	172 50.1031	04.6	161.6	2194	2150	10280.0		34.044	-00.713	368.4	3376	
01/22/07	22	07:15	-71 17.4161	172 51.0965	04.4	164.4	2183	2136	10283.0		34.044	-00.730	368.4	3451	
01/22/07	22	07:30	-71 18.5065	172 52.1384	04.7	163.7	2150	2107	10285.0		34.042	-00.701	357.8	3527	
01/22/07	22	07:45	-71 19.6101	172 53.2608	04.9	161.6	2122	2076	10285.0		34.046	-00.679	368.0	3601	
01/22/07	22	08:00	-71 20.6552	172 54.4638	04.6	159.2	2112	2067	10287.0		34.045	-00.689	368.6	3673	Lisa off, Rose on
01/22/07	22	08:15	-71 21.7644	172 55.7162	04.7	162.6	2096	2048	10289.0		34.045	-00.614	369.4	3750	
01/22/07	22	08:30	-71 22.8543	172 56.8021	04.6	161.6	2082	2038	10290.0		34.056	-00.643	370.4	3826	
01/22/07	22	08:45	-71 23.9214	172 58.3795	04.9	153.3	2070	2026	10288.0		34.052	-00.637	370.4	3903	
01/22/07	22	09:00	-71 25.0291	173 00.1556	04.6	155.0	2053	2008	10289.0		34.066	-00.714	370.5	3973	
01/22/07	22	09:15	-71 26.0884	173 01.4658	04.8	164.9	2055	2010	10291.0		34.062	-00.692	370.6	4050	
01/22/07	22	09:28													Sonobuoy #47, 57B, ch 31
01/22/07	22	09:30	-71 27.2269	173 02.3483	05.0	169.8	2047	2005	10292.0		34.071	-00.730	370.3	4126	
01/22/07	22	09:45	-71 28.3653	173 03.1128	04.9	167.8	2020	1973	10293.0		34.078	-00.755	372.4	4203	
01/22/07	22	10:00	-71 29.5065	173 04.1794	04.4	160.1	2001	1960	10292.0		34.096	-00.749	375.7	4277	
01/22/07	22	10:15	-71 30.5500	173 05.2240	04.3	169.2	1991	1947	10292.0		34.093	-00.729	376.6	4357	
01/22/07	22	10:30	-71 31.5930	173 05.9756	04.7	161.7	1986	1941	10292.0		34.114	-00.766	376.6	4426	
01/22/07	22	10:45	-71 32.7242	173 07.0743	04.8	162.9	1973	1928	10291.0		34.104	-00.762	377.9	4500	
01/22/07	22	11:00	-71 33.8187	173 08.1830	04.5	160.5	1978	1934	10291.0		34.105	-00.763	378.3	4575	Marcel off, Roi on
01/22/07	22	11:15	-71 34.8839	173 09.4611	04.4	157.1	1974	1937	10290.0		34.097	-00.749	378.1	4650	
01/22/07	22	11:30	-71 35.9660	173 10.7748	04.5	161.0	1965	1922	10290.0		34.109	-00.780	381.4	4723	
01/22/07	22	11:45	-71 37.0303	173 11.8304	04.5	162.7	1966	1923	10290.0		34.121	-00.803	381.8	4796	
01/22/07	22	12:00	-71 38.0891	173 12.9099	04.6	162.3	1965	1922	10289.0		34.118	-00.790	381.8	4874	
01/22/07	22	12:15	-71 39.1475	173 14.0314	04.4	162.4	1965	1921	10288.0		34.127	-00.691	381.8	4950	
01/22/07	22	12:30	-71 40.1628	173 15.2518	04.2	154.3	1968	1922	10286.0		34.124	-00.698	383.7	5025	
01/22/07	22	12:45	-71 41.2573	173 16.2955	04.7	168.2	1968	1923	10286.0		34.136	-00.669	384.9	5100	
01/22/07	22	13:00	-71 42.6143	173 17.4355	04.6	156.6	1986	1947	10285.0		34.143	-00.657	386.5	5175	
01/22/07	22	13:15	-71 43.4125	173 18.8351	04.8	159.9	1972	1929	10285.0		34.138	-00.670	386.8	5251	
01/22/07	22	13:30	-71 44.4653	173 20.0308	04.4	161.8	1958	1915	10286.0		34.140	-00.676	386.8	5325	
01/22/07	22	13:45	-71 45.5479	173 21.1945	04.6	160.1	1972	1932	10287.0		34.137	-00.712	386.8	5401	
01/22/07	22	14:00	-71 46.6351	173 22.4670	04.7	160.7	2037	1996	10288.0		34.127	-00.758	382.3	5475	
01/22/07	22	14:15	-71 47.6999	173 23.5574	04.7	164.4	2056	2016	10290.0		34.119	-00.795	381.0	5550	
01/22/07	22	14:30	-71 48.7912	173 24.6222	04.5	160.1	2032	1990	10292.0		34.112	-00.812	378.8	5627	
01/22/07	22	14:45	-71 49.7131	173 26.3956	04.4	122.3	2006	1962	10292.0		34.104	-00.861	377.5	5699	
01/22/07	22	15:00	-71 49.6825	173 29.9780	04.6	073.8	2023	1986	10290.0		34.098	-00.830	378.1	5774	
01/22/07		15:10	-71 49.4394	173 32.5452										5826	Sonobuoy ch. 20, #49
01/22/07	22	15:15	-71 49.3474	173 33.4634	04.5	072.0	2004	1960	10289.0		34.076	-00.853	375.8	5849	
01/22/07	22	15:30	-71 48.9931	173 36.8427	04.6	073.0	2067	2025	10288.0		34.072	-00.857	375.8	5924	15:43 XBT #131
01/22/07	22	15:45	-71 48.6594	173 40.3876	04.5	074.8	2049	2009	10287.0		34.058	-00.893	368.4	6000	
01/22/07	22	16:00	-71 48.3577	173 44.0670	04.6	075.6	2084	2038	10287.0		34.061	-00.903	368.8	6076	
01/22/07	22	16:15	-71 48.0432	173 47.5589	04.7	070.8	2070	1025	10287.0		34.053	-00.922	366.7	6150	
01/22/07	22	16:30	-71 47.6903	173 51.0214	04.5	076.2	2065	2018	10287.0		34.042	-00.919	365.0	6225	
01/22/07	22	16:45	-71 47.4106	173 54.5810	04.7	074.3	2046	2002	10289.0		34.043	-00.892	364.3	6300	
01/22/07	22	17:00	-71 47.0421	173 58.1653	04.1	074.3	2051	2006	10290.0		34.034	-00.901	364.0	6376	Roi off, Michelle on
01/22/07	22	17:01												6389	stopped shooting
01/22/07	22	17:15	-71 46.7908	174 01.6818	04.7	069.6	2058	2013	10292.0		34.047	-00.874	361.2		
01/22/07	22	17:30	-71 46.0323	174 04.3680	04.7	026.9	2075	2030	10296.0		34.040	-00.858	362.6		
01/22/07	22	17:45	-71 45.2888	174 05.3915	03.0	021.7	2087	2042	10300.0		34.034	-00.879	363.3		
01/22/07	22	18:00	-71 44.6036	174 06.2347	03.8	023.4	2099	2053	10299.0		34.041	-00.869	363.6		
01/22/07	22	18:15	-71 43.5567	174 07.7106	04.5	022.5	2111	2066	10297.0		34.040	-00.919	363.1		
01/22/07	22	18:30	-71 42.5157	174 09.0198	04.6	022.4	2126	2080	10296.0		34.037	-00.934	362.5		
01/22/07	22	18:45	-71 41.4624	174 10.3757	04.6	022.7	2142	2097	10294.0		34.033	-00.927	362.5		
01/22/07	22	19:00	-71 40.4233	174 11.7563	04.5	024.0	2162	2115	10293.0		34.035	-00.938	362.0		
01/22/07	22	19:15	-71 39.3704	174 13.2614	04.7	025.5	2180	2131	10291.0		34.030	-00.936	362.5		
01/22/07	22	19:30	-71 38.3093	174 14.8004	04.8	023.2	2194	2146	10290.0		34.026	-00.947	362.2		
01/22/07	22	19:45	-71 37.1663	174 16.1151	04.7	019.6	2201	2154	10290.0		34.029	-00.939	362.3		
01/22/07	22	20:00	-71 36.1011	174 17.4463	04.6	020.8	2209	2162	10289.0		34.035	-00.944	363.1		
01/22/07	22	20:15	-71 35.0500	174 18.8049	04.6	022.7	2210	2163	10289.0		34.034	-00.945	363.3		
01/22/07	22	20:30	-71 34.0128	174 20.3128	04.4	025.2	2212	2165	10288.0		34.039	-00.924	363.3		
01/22/07	22	20:45	-71 32.9507	174 21.8170	04.9	024.7	2215	2168	10288.0		34.039	-00.934	363.3		

01/22/07	22	21:00	-71 31.8407	174 23.4457	05.1	026.3	2226	2176	10287.0		34.037	-00.907	363.6		
01/22/07	22	21:15	-71 30.6546	174 25.1624	05.2	023.6	2284	2236	10287.0		33.997	-00.854	357.4		
01/22/07	22	21:30	-71 29.5198	174 26.8085	04.7	022.4	2250	2204	10288.0		33.973	-00.866	375.2		
01/22/07	22	21:45	-71 28.4216	174 28.2339	04.7	023.6	2244	2184	10289.0		33.975	-00.880	359.7		
01/22/07	22	22:00	-71 27.3184	174 29.2264	04.5	007.9	2229	2180	10292.0		33.966	-00.970	359.7		
01/22/07	22	22:15	-71 26.2207	174 29.2081	04.4	356.5	2230	2183	10295.0		33.950	-00.971	363.8		
01/22/07	22	22:30	-71 25.1385	174 28.8858	04.4	355.4	2236	2186	10295.0		33.947	-00.953	364.1		
01/22/07	22	22:45	-71 24.0427	174 28.6386	04.5	356.2	2232	2186	10294.0		33.948	-00.936	364.0		
01/22/07	22	23:00	-71 22.9491	174 28.3575	04.4	353.0	2241	2193	10294.0		33.938	-00.963	363.0		Michelle off, Franziska on
01/22/07	22	23:15	-71 21.8431	174 27.9977	04.6	354.0	2242	2194	10294.0		33.928	-00.948	361.8		
01/22/07	22	23:30	-71 20.7294	174 27.7057	04.6	355.4	2248	2200	10294.0		33.927	-00.945	361.2		
01/22/07	22	23:45	-71 19.5987	174 27.3120	04.4	352.5	2274	2227	10295.0		33.940	-00.983	361.2		
01/23/07	23	00:00	-71 18.4923	174 26.8442	04.5	352.8	2205	2163	10296.0		33.932	-00.969	363.7		
01/23/07	23	00:15	-71 17.3740	174 26.4185	04.5	352.1	2185	2143	10296.0		33.918	-00.965	362.1		
01/23/07	23	00:30	-71 16.2447	174 26.0037	04.6	352.9	2314	2290	10295.0		33.911	-00.944	360.4		
01/23/07	23	00:45	-71 15.0993	174 25.5908	04.7	353.1	2264	2220	10293.0		33.915	-00.956	361.2		
01/23/07	23	01:00	-71 13.9568	174 25.1825	04.8	355.9	2273	2226	10292.0		33.894	-00.861	358.3		
01/23/07	23	01:15	-71 12.7863	174 24.7668	04.6	357.0	2276	2230	10292.0		33.882	-00.852	355.4		
01/23/07	23	01:30	-71 11.6441	174 24.8273	04.7	005.6	2285	2239	10289.0		33.876	-00.857	355.4		
01/23/07	23	01:45	-71 10.5080	174 25.4233	04.4	018.3	2289	2237	10287.0		33.871	-00.875	353.2		
01/23/07	23	02:00	-71 09.5073	174 26.7572	04.6	032.1	2292	2246	10285.0		33.872	-00.913	352.5		
01/23/07	23	02:15	-71 08.6115	174 29.1513	04.2	049.4	2307	2261	10283.0		33.868	-00.909	352.1		
01/23/07	23	02:30	-71 08.7808	174 32.2165	04.5	145.2	2319	2271	10280.0		33.871	-00.938	351.9		
01/23/07	23	02:45	-71 09.6767	174 34.1409	04.5	149.7	2319	2271	10284.0		33.869	-00.920	351.0		
01/23/07	23	03:00	-71 10.6776	174 35.6653	04.4	154.6	2314	2272	10287.0		33.872	-00.921	351.0		
01/23/07	23	03:15	-71 11.6876	174 37.0453	04.6	158.2	2298	2254	10288.0		33.860	-00.893	351.9		
01/23/07	23	03:30	-71 12.1980	174 39.4336	05.0	050.9	2321	2272	10282.0		33.861	-00.900	348.1		
01/23/07	23	03:45	-71 11.0257	174 39.0784	03.0	343.1	2307	2260	10296.0		33.873	-00.934	348.2		
01/23/07	23	04:00	-71 10.3770	174 38.4685	02.6	344.6	2310	2260	10295.0		33.855	-00.926	350.5		
01/23/07	23	04:15	-71 09.3228	174 37.7133	04.7	348.0	2328	2285	10294.0		33.872	-00.839	353.1		
01/23/07	23	04:30	-71 08.1839	174 36.9928	04.5	348.2	2336	2289	10293.0		33.872	-00.826	351.7		
01/23/07	23	04:45	-71 07.1411	174 36.0681	04.5	334.9	2336	2289	10293.0		33.875	-00.743	351.7		
01/23/07	23	05:00	-71 06.2773	174 33.9377	04.5	308.2	2328	2277	10298.0		33.924	-00.750	352.2		
01/23/07	23	05:15	-71 05.8534	174 30.8203	03.9	275.0	2327	2278	10301.0		33.910	-00.583	354.9		
01/23/07	23	05:30	-71 06.3020	174 28.1973	04.8	206.3	2321	2278	10298.0		33.896	-00.785	351.2		
01/23/07	23	05:45	-71 07.4416	174 28.8757	04.9	155.0	2307	2260	10283.0		33.881	-00.918	351.6		
01/23/07	23	06:00	-71 08.5258	174 30.4074	04.8	152.4	2318	2274	10284.0		33.866	-00.926	351.7		
01/23/07	23	06:15	-71 09.6671	174 32.1524	05.1	153.3	2322	2277	10284.0		33.871	-00.911	349.7		
01/23/07	23	06:30	-71 10.4609	174 33.4268	03.1	152.0	2312	2268	10287.0		33.867	-00.926	350.6		Sonobuoy failed, guns being deployed
01/23/07	23	06:45	-71 11.2578	174 34.2581	03.0	176.0	2307	2266	10291.0		33.861	-00.928	351.1		ch11 sonobuoy 57b #50
01/23/07	23	07:00	-71 11.9984	174 34.5328	04.5	170.7	2291	2247	10292.0		33.857	-00.898	349.6		guns deployed
		07:12													gun 6 firing
01/23/07	23	07:15	-71 13.1026	174 35.6900	04.5	153.2	2305	2257	10288.0		33.857	-00.929	347.8	111	gun 5 firing
		07:18													gun 4 firing
		07:21													gun 3 firing
		07:24													gun 2 firing
		07:27													gun 1 firing
01/23/07	23	07:30	-71 14.0695	174 37.4204	04.4	148.7	2320	2273	10288.0		33.872	-00.955	347.3	171	
01/23/07	23	07:45	-71 15.0154	174 39.0784	04.6	152.3	2339	2303	10289.0		33.892	-00.904	350.1	231	
01/23/07	23	08:00	-71 16.0052	174 40.5822	05.4	153.3	2311	2261	10290.0		33.874	-00.892	352.2	287	
01/23/07	23	08:15	-71 17.0865	174 42.2910	04.7	152.9	2312	2256	10291.0		33.861	-00.980	345.6	351	Sonobuoy #51, channel 15; 57b
01/23/07	23	08:30	-71 18.1339	174 43.7045	04.7	160.6	2310	2263	10292.0		33.867	-01.019	349.2	410	
01/23/07	23	08:45	-71 19.2567	174 44.9424	04.7	158.7	2301	2253	10294.0		33.866	-01.012	348.9	470	
01/23/07	23	09:00	-71 20.3618	174 46.1380	04.5	162.0	2318	2274	10295.0		33.854	-01.023	348.6	530	
01/23/07	23	09:05													Sonobuoy #52, channel 6, 57b
01/23/07	23	09:15	-71 21.4288	174 47.0663	04.5	174.6	2309	2260	10297.0		33.859	-01.014	348.6	590	
01/23/07	23	09:30	-71 22.5325	174 47.3557	04.4	177.7	2324	2275	10300.0		33.848	-00.919	349.6	651	
01/23/07	23	09:45	-71 23.5707	174 47.6266	04.4	171.4	2317	2269	10300.0		33.877	-00.885	346.4	710	
01/23/07	23	10:00	-71 24.5709	174 48.3261	04.1	167.1	2315	2263	10299.0		33.916	-00.979	352.2	770	
01/23/07	23	10:15	-71 25.6558	174 49.3066	04.4	156.7	2306	2263	10298.0		33.915	-00.997	357.5	832	
01/23/07	23	10:30	-71 26.6858	174 50.7065	04.5	154.7	2300	2252	10298.0		33.913	-00.982	356.3	890	

01/23/07	23	10:39													Sonobuoy #53, channel 20; 57b
01/23/07	23	10:45	-71 27.7318	174 52.1933	04.7	155.9	2295	2246	10298.0		33.908	-00.999	356.0	950	
01/23/07	23	11:00	-71 28.8350	174 53.4430	04.5	161.1	2291	2236	10300.0		33.907	-00.941	356.0	1011	
01/23/07	23	11:15	-71 29.9213	174 54.4290	04.5	165.1	2274	2232	10302.0		33.916	-00.949	355.7	1071	
01/23/07	23	11:30	-71 30.9448	174 55.5325	04.2	165.5	2269	2221	10303.0		33.943	-00.919	356.3	1128	
01/23/07	23	11:32	-71 31.2904	174 55.5927											Sonobuoy #54, channel 25; 57b
01/23/07	23	11:45	-71 32.0618	174 53.3095	04.4	161.0	2263	2214	10304.0		33.940	-00.922	357.2	1191	
01/23/07	23	12:00	-71 33.1004	174 57.2433	04.4	165.8	2257	2210	10305.0		33.932	-00.922	356.6	1252	
01/23/07	23	12:15	-71 34.2050	174 58.1605	04.4	168.2	2249	2201	10306.0		33.933	-00.848	355.0	1311	
01/23/07	23	12:30	-71 35.3183	174 59.0872	04.7	166.0	2243	2297	10307.0		33.956	-00.794	354.8	1370	
01/23/07	23	12:45	-71 34.3954	174 59.9872	04.3	162.8	2232	2185	10309.0		33.985	-00.795	350.9	1431	
01/23/07	23	13:00	-71 37.4492	175 00.8615	04.4	167.7	2221	2172	10310.0		33.999	-00.844	351.4	1492	
01/23/07	23	13:15	-71 38.5350	175 01.8246	04.6	162.0	2209	2164	10311.0		33.996	-00.873	351.5	1551	
01/23/07	23	13:19	-71 38.8966	175 02.9202										1567	Sonobuoy #55, ch 15
01/23/07	23	13:30	-71 39.6048	175 02.9050	04.5	165.0	2199	2152	10312.0		33.990	-00.857	351.0	1610	
01/23/07	23	13:45	-71 40.7144	175 03.8269	04.7	165.9	2190	2143	10315.0		33.972	-00.818	350.5	1670	
01/23/07	23	14:00	-71 41.7805	175 04.7605	04.3	166.2	2180	2136	10316.0		33.937	-00.827	349.0	1730	
01/23/07	23	14:15	-71 42.8531	175 05.6662	04.5	164.2	2172	2126	10317.0		33.917	-00.920	349.0	1791	
01/23/07	23	14:30	-71 43.9531	175 06.5607	04.6	167.6	2166	2121	10320.0		33.902	-00.912	349.0	1851	
01/23/07	23	14:35	-71 44.3706	175 06.8958										1870	Sonobuoy aux2 Ch. 15 #56
01/23/07	23	14:45	-71 45.0980	175 07.5256	04.7	165.9	2150	2104	10321.0		33.912	-00.984	350.0	1911	
01/23/07	23	15:00	-71 46.1105	175 08.4796	04.6	159.8	2130	2085	10322.0		33.910	-01.039	349.6	1971	
01/23/07	23	15:15	-71 47.2289	175 09.4849	04.7	164.6	2112	2067	10324.0		33.905	-01.002	348.3	2032	
01/23/07	23	15:30	-71 48.3527	175 10.5560	04.5	164.1	2102	2057	10325.0		33.900	-00.966	347.0	2091	
01/23/07	23	15:45	-71 49.4495	175 11.4212	04.5	168.2	2082	2036	10327.0		33.910	-01.062	347.1	2151	
01/23/07	23	16:00	-71 50.5939	175 11.7554	04.9	183.9	2099	2022	10331.0		33.918	-01.053	347.1	2212	
01/23/07	23	16:08	-71 51.3437	175 11.3361										2242	End Line 13, Start line 14 (shot 101). Change interval to 16 seconds from 15
01/23/07	23	16:13	-71 51.7250	017 51.0922										118	ch 19. Sonobuoy #57 - good
01/23/07	23	16:15	-71 51.7561	175 10.8609	04.7	207.3	2047	1998	10335.0		33.918	-01.061	362.5	124	
01/23/07	23	16:30	-71 52.7628	175 08.8193	04.8	210.6	2019	1975	10340.0		33.899	-01.051	355.9	180	
01/23/07	23	16:45	-71 53.7314	175 06.8939	04.6	215.0	1991	1945	10341.0		33.904	-01.019	356.6	236	
01/23/07	23	17:00	-71 54.6350	175 04.8651	04.0	216.1	1956	1913	10342.0		33.910	-01.063	352.4	292	XBT #132 in water - failed
01/23/07	23	17:03	-71 54.8676	175 03.8791											XBR #133 in water - successful.
01/23/07	23	17:15	-71 55.6494	175 02.5131	05.3	215.3	1928	1885	10344.0		33.902	-01.029	353.9	349	
01/23/07	23	17:30	-71 56.7169	175 00.0009	05.3	217.1	1893	1850	10346.0		33.899	-00.996	353.9	405	
01/23/07	23	17:38	-71 57.2795	174 58.2602										437	Sonobuoy ch. 15 #58 in water - good
01/23/07	23	17:45	-71 57.6224	174 57.7863	04.3	215.0	1865	1822	10347.0		33.901	-00.982	350.8	461	
01/23/07	23	18:00													Apparently, we missed this hour. We may have been listening to whales on
01/23/07	23	18:15	-71 59.4250	174 53.8815	04.3	215.6	1799	1758	10350.0		33.926	-00.962	353.9	574	
01/23/07	23	18:30	-72 00.2751	174 51.9122	04.3	214.5	1766	1727	10352.0		33.935	-00.984	356.9	630	
01/23/07	23	18:45	-72 01.1655	174 49.8541	04.6	214.5	1717	1678	10354.0		33.914	-01.076	357.8	687	
01/23/07	23	19:00	-72 02.0599	174 47.6166	04.4	220.0	1669	1630	10356.0		33.903	-01.001	357.9	743	
01/23/07	23	19:15	-72 02.9095	174 45.2472	04.7	218.3	1619	1581	10359.0		33.910	-01.078	357.9	798	
01/23/07	23	19:22	-72 03.4103	174 44.1156										825	Sonobuoy #59 Ch. 4 in water -
01/23/07	23	19:30	-72 03.8814	174 43.0664	04.7	215.8	1562	1523	10360.0		33.891	-01.039	357.5	855	
01/23/07	23	19:45	-72 04.7987	174 41.0046	04.5	213.5	1512	1479	10363.0		33.863	-00.923	363.5	911	
01/23/07	23	20:00	-72 05.7788	174 38.9767	04.7	211.7	1448	1413	10367.0		33.869	-00.946	366.1	968	Danny Off, Sian On
01/23/07	23	20:15	-72 06.7616	174 36.9662	04.7	211.1	1361	1329	10372.0		33.891	-00.955	366.8	1023	
01/23/07	23	20:30	-72 07.7440	174 34.7223	04.7	217.8	1261	1230	10378.0		33.947	-00.928	369.4	1080	
01/23/07	23	20:38	-72 08.3455	174 33.2227										1114	Sonobuoy #60 Ch15
01/23/07	23	20:45	-72 08.7085	174 32.3630	04.9	215.7	1167	1138	10383.0		33.910	-00.900	369.0	1136	
01/23/07	23	21:00	-72 09.7000	174 30.1080	04.7	213.5	1069	1040	10388.0		33.875	-00.907	369.0	1193	
01/23/07	23	21:15	-72 10.6673	174 27.9749	04.8	213.9	966	942	10393.0		33.850	-00.911	365.6	1249	
01/23/07	23	21:30	-72 11.5636	174 25.8334	04.3	217.1	870	845	10398.0		33.845	-00.900	365.4	1305	
01/23/07	23	21:45	-72 12.4429	174 23.7112	04.3	216.7	760	739	10403.0		33.826	-00.863	366.4	1361	
01/23/07	23	22:00	-72 13.3310	174 21.6769	04.3	216.7	642	623	10408.0		33.817	-00.849	366.3	1417	
01/23/07	23	22:15	-72 14.2159	174 19.6481	04.5	214.7	585	563	10413.0		33.809	-00.871	366.0	1473	
01/23/07	23	22:20												1495	Sonobuoy #61 Ch17
01/23/07	23	22:30	-72 15.1199	174 17.4362	04.4	216.0	561	542	10415.0		33.828	-00.887	366.0	1532	
01/23/07	23	22:45	-72 16.0350	174 15.3671	04.5	213.9	562	543	10416.0		33.847	-00.865	369.7	1586	
01/23/07	23	22:52													stopped shooting automatically, now manually

01/23/07	23	23:00	-72 16.9606	174 13.3429	04.4	215.3	560	542	10416.0	33.806	-00.920	372.1	1626	Michelle off, Franziska on
01/23/07	23	23:15	-72 17.8665	174 11.2930	04.3	215.6	551	536	10416.0	33.798	-00.939	364.9	1660	
01/23/07	23	23:30	-72 18.7381	174 09.0948	04.5	217.5	546	530	10417.0	33.791	-00.903	364.1	1715	
01/23/07	23	23:45	-72 19.6463	174 06.8729	04.4	214.6	566	548	10416.0	33.816	-00.858	367.9	1771	
01/24/07	24	00:00	-72 20.4272	174 04.8944	03.4	215.8	557	542	10414.0	33.877	-00.820	368.5	1828	
01/24/07	24	00:04											1846	sonobuoy #62 Ch15
01/24/07	24	00:15	-72 21.1473	174 03.2968	03.7	213.2	564	547	10412.0	33.913	-00.807	368.5	1884	
01/24/07	24	00:30	-72 21.8678	174 01.5802	03.5	216.0	558	542	10412.0	33.935	-00.780	381.8	1940	
01/24/07	24	00:45	-72 22.5952	173 59.8224	03.7	216.7	570	554	10412.0	33.937	-00.750	378.3	1996	
01/24/07	24	01:00	-72 23.3377	173 57.9456	03.8	219.1	574	556	10411.0	33.975	-00.750	378.1	2062	
01/24/07	24	01:15	-72 24.0573	173 56.1273	04.0	216.0	563	546	10411.0	34.010	-00.679	387.9	2108	
01/24/07	24	01:30	-72 24.8689	173 54.1791	03.8	214.7	536	520	10411.0	34.023	-00.666	392.0	2165	
01/24/07	24	01:45	-72 25.6732	173 52.2043	04.2	218.2	516	500	10411.0	34.017	-00.666	392.0	2221	
01/24/07	24	01:48												sonobuoy #63 M57B Ch4
01/24/07	24	02:00	-72 26.5155	173 50.1178	04.2	215.5	489	474	10411.0	34.008	-00.649	385.6	2278	Sian off, Lisa on
01/24/07	24	02:15	-72 27.3660	173 47.9388	04.4	218.5	480	468	10411.0	34.044	-00.619	391.4	2333	
01/24/07	24	02:30	-72 28.2220	173 45.8249	03.9	211.8	481	468	10410.0	34.047	-00.545	393.8	2390	
01/24/07	24	02:45	-72 29.0668	173 43.9087	04.1	216.6	480	463	10408.0	34.137	-00.453	381.9	2446	
01/24/07	24	03:00	-72 29.8672	173 42.0584	04.1	216.0	484	473	10407.0	34.133	-00.487	381.4	2502	
		03:13												sonobuoy #64 M57B Ch15
01/24/07	24	03:15	-72 30.6257	173 40.2484	04.1	218.6	477	461	10406.0	34.128	-00.485	377.0	2559	
01/24/07	24	03:30	-72 31.3362	173 38.3899	03.7	218.2	499	482	10406.0	34.102	-00.584	377.0	2615	
01/24/07	24	03:45	-72 32.1281	173 36.5666	03.9	217.9	486	471	10405.0	34.087	-00.552	377.8	2671	
01/24/07	24	04:00	-72 32.9887	173 34.4577	04.5	218.4	486	471	10405.0	34.100	-00.527	370.2	2727	
01/24/07	24	04:15	-72 33.9084	173 32.1213	04.8	217.4	498	487	10405.0	34.127	-00.489	383.6	2784	
01/24/07	24	04:30	-72 34.8390	173 29.5853	04.9	214.2	504	484	10405.0	34.038	-00.501	381.4	2840	
01/24/07	24	04:45	-72 35.8359	173 27.3367	04.6	216.1	515	499	10403.0	34.031	-00.445	365.1	2896	
01/24/07	24	05:00	-72 36.7776	173 25.1917	04.8	214.3	517	501	10401.0	34.073	-00.416	365.8	2954	Franzi off, Marcel on
01/24/07	24	05:15	-72 37.7632	173 22.7454	04.9	217.7	507	490	10401.0	34.075	-00.386	365.8	3010	
01/24/07	24	05:30	-72 38.6778	173 20.4410	04.7	213.8	528	510	10399.0	34.143	-00.391	367.2	3067	Sonobuoy #66, ch 14, 57B
01/24/07	24	05:45	-72 39.6451	173 18.1091	04.8	216.6	521	505	10398.0	34.148	-00.391	364.3	3130	
01/24/07	24	06:00	-72 40.6256	173 15.8386	04.8	214.2	505	492	10397.0	34.128	-00.391	366.7	3179	
01/24/07	24	06:15	-72 41.6245	173 13.5324	05.0	215.3	521	505	10397.0	34.099	-00.358	363.6	3236	Sonobuoy #67, ch 15, 57B
01/24/07	24	06:30	-72 42.5903	173 11.1456	04.9	214.7	510	493	10396.0	34.098	-00.340	361.6	3616	
01/24/07	24	06:45	-72 43.6166	173 08.6838	04.8	215.7	524	505	10396.0	34.098	-00.384	361.6	3347	
01/24/07	24	07:00	-72 44.5074	173 06.5955	05.0	213.7	523	508	10394.0	34.095	-00.375	363.7	3409	
01/24/07	24	07:15	-72 45.6569	173 03.9230	05.4	216.0	532	505	10394.0	34.088	-00.354	364.0	3462	
01/24/07	24	07:30	-72 46.7286	173 01.3907	05.1	217.1	534	517	10393.0	34.107	-00.382	363.6	3518	
01/24/07	24	07:45	-72 47.7361	172 58.8959	05.1	217.2	534	523	10392.0	34.083	-00.479	358.0	3571	
01/24/07	24	07:47												gun #5 misfiring
01/24/07	24	08:00	-72 48.7660	172 56.2720	05.3	217.5	533	516	10391.0	34.060	-00.474	346.6	3627	
01/24/07	24	08:15	-72 49.7717	172 53.5848	04.9	217.7	537	523	10390.0	34.080	-00.201	348.3	3687	
01/24/07	24	08:30	-72 50.8301	172 50.9995	05.2	214.9	540	523	10389.0	34.077	-00.353	348.3	3744	
01/24/07	24	08:45	-72 51.8193	172 48.3133	05.2	216.8	539	524	10389.0	34.133	-00.376	349.5	3799	
01/24/07	24	09:00	-72 52.8653	172 45.8203	05.2	216.5	524	508	10387.0	34.116	-00.314	351.1	3854	
01/24/07	24	09:15	-72 53.8971	172 42.9300	05.2	230.4	529	510	10388.0	34.130	-00.319	348.8		
01/24/07	24	09:30	-72 54.3929	172 40.4434	03.3	247.5	517	499	10387.0	34.165	-00.252	349.1		
01/24/07	24	09:45	-72 54.5256	172 37.8342	03.1	273.8	514	501	10388.0	34.162	-00.299	347.5		
01/24/07	24	10:00	-72 54.2747	172 34.5923	05.6	290.5	539	508	10389.0	34.126	-00.353	345.9		
01/24/07	24	10:15	-72 54.0559	172 30.5072	04.9	267.1	542	526	10388.0	34.151	-00.377	345.9		
01/24/07	24	10:30	-72 54.3155	172 26.4532	04.8	248.2	556	539	10387.0	34.134	-00.330	340.4		
01/24/07	24	10:45	-72 54.8941	172 22.9312	04.7	228.9	555	539	10385.0	34.112	-00.296	338.2		
01/24/07	24	11:00	-72 55.8302	172 20.6177	04.6	199.1	562	546	10382.0	34.143	-00.387	339.0		
01/24/07	24	11:15	-72 56.9247	172 20.7166	04.6	158.3	526	511	10378.0	34.148	-00.364	343.0		
01/24/07	24	11:16												Radar test real number 100
01/24/07	24	11:22											101	First shooting (test)
01/24/07	24	11:26											111	(test)
01/24/07	24	11:30	-72 57.3354	172 23.3643	03.2	074.2	526	511	10374.0	34.141	-00.377	341.1	130	
01/24/07	24	11:36											155	Radar on
01/24/07	24	11:40											167	End of test
01/24/07	24	11:45	-72 57.1211	172 26.0299	03.3	071.1	488	478	10375.0	34.125	-00.359	341.1		



01/24/07	24	12:00	-72 56.8465	172 28.9229	04.4	072.6	500	486	10375.0		34.088	-00.372	335.1		Sonobuoy ch15; #68
01/24/07	24	12:10	-72 56.6066	172 31.8777										103	First gun firing
01/24/07	24	12:15	-72 56.5581	172 32.6697	04.6	077.6	489	474	10374.0		34.148	-00.363	338.4	118	
01/24/07	24	12:16													Second gun firing
01/24/07	24	12:19													Third gun firing
01/24/07	24	12:23													Fourth
01/24/07	24	12:28													Fifth
01/24/07	24	12:30	-72 56.2125	172 36.2357	04.6	060.4	474	460	10375.0		34.176	-00.335	395.2	174	
01/24/07	24	12:34													sixth
01/24/07	24	12:45	-72 55.5775	172 39.2102	04.4	041.8	487	472	10376.0		34.182	-00.378	348.3	229	
01/24/07	24	12:48													xbt 134, T4
01/24/07	24	13:00	-72 54.6414	172 41.2225	04.4	033.4	501	484	10378.0		34.160	-00.360	345.7	286	
01/24/07	24	13:15	-72 53.7218	172 43.3246	04.6	033.8	524	508	10376.0		34.144	-00.387	347.7	341	
01/24/07	24	13:30	-72 52.7853	172 45.4120	04.4	033.9	532	514	10375.0		34.117	-00.473	347.7	397	
01/24/07	24	13:45	-72 51.8676	172 47.5397	04.6	035.9	544	524	10375.0		34.114	-00.427	349.5	454	
01/24/07	24	13:55												492	Sonobuoy #69, channel 17
01/24/07	24	14:00	-72 50.9299	172 49.6122	04.5	032.7	535	515	10376.0		34.088	-00.503	344.6	509	
01/24/07	24	14:15	-72 49.9997	172 51.7438	04.3	034.0	534	515	10376.0		34.088	-00.499	349.9	566	
01/24/07	24	14:30	-72 49.0681	172 53.7479	04.5	032.6	538	518	10377.0		34.103	-00.508	350.4	623	
01/24/07	24	14:45	-72 48.1306	172 55.9891	04.2	035.1	352	315	10378.0	34105	34.104	-00.532	350.3	680	
01/24/07	24	14:59													course change; new waypoint. We were slightly off the return line
01/24/07	24	15:00	-72 47.1771	172 58.0783	04.6	037.8	536	518	10379.0		34.088	-00.545	350.4	738	
01/24/07	24	15:05	-72 46.8677	172 58.9041											sonobuoy #70, ch. 15 - good
01/24/07	24	15:15	-72 46.3000	173 00.5191	04.6	040.7	531	513	10379.0		34.103	-00.546	352.5	793	
01/24/07	24	15:30	-72 45.4344	173 02.9416	04.5	039.8	536	531	10380.0		34.111	-00.531	355.1	849	
01/24/07	24	15:45	-72 44.5560	173 05.2771	04.5	036.3	527	509	10381.0		34.104	-00.517	362.4	905	
01/24/07	24	16:00	-72 43.6496	173 07.5888	04.5	035.2	525	507	10382.0		34.066	-00.543	362.5	962	
01/24/07	24	16:15	-72 42.7794	173 09.8904	04.4	041.1	506	500	10383.0		34.058	-00.208	364.3	1019	sonobuoy ch. 2 #71 - failed
01/24/07	24	16:20	-72 42.5102	173 10.6842										1036	sonobuoy ch. 18 #72 - failed
01/24/07	24	16:27	-72 42.1033	173 11.8085										1061	sonobuoy ch. 31 #73 - good
01/24/07	24	16:30	-72 41.9568	173 12.2040	04.4	038.4	513	492	10384.0		34.080	-00.519	364.8	1074	
01/24/07	24	16:45	-72 41.0912	173 14.3967	04.3	037.0	513	495	10384.0		34.089	-00.477	364.8	1130	
01/24/07	24	17:00	-72 40.2722	173 16.6077	04.3	041.7	520	501	10385.0		34.136	-00.506	362.4	1186	
01/24/07	24	17:15	-72 39.4734	173 19.0201	04.2	043.8	515	493	10386.0		34.145	-00.436	360.9	1244	
01/24/07	24	17:30	-72 38.6865	173 21.3034	04.0	041.7	514	495	10387.0		34.137	-00.489	362.5	1300	
01/24/07	24	17:44												1362	sonobuoy ch. 14 #74 - failed
01/24/07	24	17:45	-72 37.7978	173 23.4100	04.4	032.7	507	490	10388.0		34.090	-00.600	362.7	1357	
01/24/07	24	17:50	-72 37.5137	173 24.0143										1371	sonobuoy ch. 19 #75 - good
01/24/07	24	18:00	-72 36.9118	173 25.3180	04.5	033.8	512	494	10390.0		34.058	-00.621	378.9	1411	
01/24/07	24	18:15	-72 36.0214	173 27.3376	04.3	036.7	504	499	10391.0		34.126	-00.541	383.4	1469	
01/24/07	24	18:30	-72 35.1837	173 29.4141	04.2	037.4	492	474	10391.0		34.136	-00.576	383.4	1524	
01/24/07	24	18:45	-72 34.2970	173 31.6122	04.6	034.3	491	474	10392.0		34.104	-00.537	379.6	1581	
01/24/07	24	19:00	-72 33.3877	173 33.7445	04.4	037.1	475	472	10393.0		34.095	-00.499	371.7	1637	
01/24/07	24	19:05	-72 33.0739	173 34.5236										1654	sonobuoy ch. 12 #76
01/24/07	24	19:15	-72 32.5525	173 35.8337	04.2	036.1	495	477	10394.0		34.116	-00.602	372.7	1693	
01/24/07	24	19:30	-72 31.6960	173 37.6758	04.2	034.2	480	479	10395.0		34.043	-00.715	389.6	1749	
01/24/07	24	19:45	-72 30.8075	173 39.7989	04.4	035.2	481	465	10395.0		33.993	-00.704	382.2	1805	
01/24/07	24	20:00	-72 29.9268	173 41.8661	04.2	036.2	488	471	10396.0		33.992	-00.710	381.0	1861	
01/24/07	24	20:15	-72 29.0726	173 43.9398	04.3	034.8	481	462	10397.0		33.013	-00.658	380.6	1919	
01/24/07	24	20:30	-72 28.2344	173 45.9055	04.0	035.9	481	464	10397.0		34.003	-00.672	379.1	1974	
01/24/07	24	20:33												1983	Down to 1 gun (whale)
01/24/07	24	20:43												2022	all 6 guns online
01/24/07	24	20:45	-72 27.4548	173 47.9947	04.2	040.9	482	466	10399.0		34.021	-00.688	379.7	2031	
01/24/07	24	21:00	-72 26.5132	173 49.4266	04.1	008.5	492	472	10402.0		34.012	-00.678	381.3	2088	
01/24/07	24	21:05												2105	Last shot point
01/24/07	24	21:06												100	Line 16 started
01/24/07	24	21:15	-72 25.5386	173 48.7043	04.2	341.0	511	494	10408.0		33.992	-00.660	379.6	133	
01/24/07	24	21:30	-72 24.7174	173 46.7587	04.0	314.1	507	490	10410.0		33.984	-00.684	380.3	190	
01/24/07	24	21:42												237	sonobuoy ch. 15, #77
01/24/07	24	21:45	-72 24.1379	173 44.1650	03.9	305.2	504	487	10411.0		33.999	-00.717	380.3	245	
01/24/07	24	22:00	-72 23.5858	173 41.4240	04.0	304.1	510	492	10410.0		33.025	-00.669	388.2	303	

01/24/07	24	22:15	-72 23.0768	173 38.6325	03.9	301.9	504	487	10410.0	34.031	-00.699	389.5	359	
01/24/07	24	22:30	-72 22.5604	173 36.0297	03.9	305.1	510	493	10409.0	34.020	-00.728	391.7	414	
01/24/07	24	22:45	-72 22.0491	173 33.4552	03.8	300.7	506	488	10409.0	33.998	-00.733	391.7	471	
01/24/07	24	23:00	-72 21.5158	173 30.7846	03.9	302.7	514	496	10409.0	33.980	-00.733	386.3	526	Michelle off, Franziska on
01/24/07	24	23:15	-72 21.0054	173 28.2147	04.0	303.1	514	495	10409.0	33.976	-00.794	385.7	581	
01/24/07	24	23:24											615	sonobuoy #78 Ch 24
01/24/07	24	23:30	-72 20.3998	173 25.2512	04.3	304.1	508	491	10410.0	33.967	-00.770	385.7	638	
01/24/07	24	23:45	-72 19.7919	173 22.3114	04.4	304.4	505	493	10410.0	33.962	-00.789	383.0	695	
01/25/07	25	00:00	-72 19.1721	173 19.2215	04.5	302.2	520	501	10409.0	33.947	-00.750	381.8	751	
01/25/07	25	00:15	-72 18.6003	173 16.1673	04.3	301.5	522	502	10407.0	33.949	-00.755	380.1	806	
01/25/07	25	00:30	-72 17.9970	173 13.1378	04.5	303.2	522	503	10404.0	33.910	-00.754	376.7	863	
01/25/07	25	00:43											913	sonobuoy #79, Ch15
01/25/07	25	00:45	-72 17.3987	173 10.0662	04.4	301.8	521	503	10402.0	33.900	-00.783	375.6	920	
01/25/07	25	01:00	-72 16.8178	173 07.2299	04.4	304.2	529	510	10399.0	33.962	-00.697	375.6	974	
01/25/07	25	01:15	-72 16.1563	173 04.1702	04.3	303.9	528	510	10395.0	34.036	-00.689	394.4	1033	
01/25/07	25	01:30	-72 15.5438	173 01.1755	04.6	304.8	518	507	10393.0	34.111	-00.559	399.5	1089	
01/25/07	25	01:34											1105	sonobuoy #80, Ch31
01/25/07	25	01:45	-72 14.9313	172 58.4729	04.4	306.7	530	512	10389.0	34.163	-00.511	377.3	1144	
01/25/07	25	02:00	-72 14.3042	172 55.6384	04.4	307.1	533	510	10387.0	34.155	-00.529	364.0	1199	Sian off, Lisa on
01/25/07	25	02:15	-72 13.6661	172 52.5476	04.5	304.4	542	522	10385.0	34.169	-00.570	362.4	1257	
01/25/07	25	02:30	-72 13.0682	172 49.5071	04.4	304.9	534	503	10383.0	34.178	-00.558	360.3	1313	
01/25/07	25	02:45	-72 12.4397	172 46.7010	04.3	307.0	533	513	10380.0	34.171	-00.542	360.3	1369	
01/25/07	25	03:00	-72 11.7892	172 43.6954	04.5	304.6	535	511	10379.0	34.166	-00.546	356.2	1426	
01/25/07	25	03:03											1440	sonobuoy #81, Ch1
01/25/07	25	03:15	-72 11.2230	172 40.8060	04.2	301.4	518	498	10376.0	34.171	-00.607	356.9	1482	
01/25/07	25	03:30	-72 10.6577	172 37.9541	04.2	306.0	504	485	10374.0	34.159	-00.536	360.0	1538	
01/25/07	25	03:45	-72 10.0072	172 35.0848	04.5	307.2	528	492	10372.0	34.166	-00.538	368.1	1595	
01/25/07	25	04:00	-72 09.3077	172 32.1899	04.4	304.6	490	472	10370.0	34.187	-00.471	372.5	1651	
01/25/07	25	04:15	-72 08.6897	172 29.3600	04.4	305.6	478	455	10369.0	34.176	-00.479	380.0	1706	
01/25/07	25	04:26											1749	sonobuoy #82, Ch
01/25/07	25	04:30	-72 08.1194	172 26.4963	04.2	300.2	450	433	10367.0	34.136	-00.535	380.0	1763	
01/25/07	25	04:45	-72 07.5906	172 23.6307	04.2	303.0	435	416	10366.0	34.135	-00.568	406.1	1820	
01/25/07	25	05:00	-72 07.0148	172 21.0031	04.0	305.6	416	401	10364.0	34.128	-00.566	404.8	1872	Marcel on, Franziska off
01/25/07	25	05:15	-72 06.3817	172 18.0670	04.2	303.8	393	379	10362.0	34.074	-00.616	404.4	1937	
01/25/07	25	05:30	-72 05.7838	172 15.2554	04.4	305.6	379	366	10361.0	34.060	-00.642	401.1	1989	
01/25/07	25	05:45	-72 05.1324	172 12.2406	04.7	304.8	372	359	10359.0	34.049	-00.654	399.1	2046	
01/25/07	25	06:00	-72 04.4376	172 09.0491	04.0	303.1	364	352	10356.0	34.064	-00.639	399.1	2104	
01/25/07	25	06:15	-72 03.8644	172 06.2000	04.9	304.1	362	349	10354.0	34.062	-00.592	404.6	2158	
01/25/07	25	06:28											2202	End of line 16, turning ship around
01/25/07	25	06:30	-72 03.2350	172 03.6667	03.9	322.1	357	345	10352.0	34.120	-00.538	411.9		
01/25/07	25	06:45	-72 02.3250	172 02.6715	03.9	003.9	362	348	10345.0	34.142	-00.488	417.6		
01/25/07	25	07:00	-72 01.6205	172 03.7399	03.5	038.7	378	366	10338.0	34.127	-00.520	419.5		
01/25/07	25	07:15	-72 00.9119	172 05.4007	03.6	035.4	408	392	10335.0	34.065	-00.587	408.7		
01/25/07	25	07:30	-72 00.2902	172 07.4588	04.5	061.1	487	468	10332.0	34.039	-00.609	404.4		
01/25/07	25	07:45	-72 00.1790	172 10.6485	03.3	108.5	514	496	10328.0	34.034	-00.632	404.4		
01/25/07	25	08:00	-72 00.6784	172 12.4667	03.4	154.8	452	444	10333.0	34.035	-00.646	394.5		
01/25/07	25	08:15	-72 01.6342	172 12.6553	03.8	198.8	415	400	10344.0	34.044	-00.676	395.3		
01/25/07	25	08:30	-72 02.3058	172 11.2482	03.1	217.7	396	383	10348.0	33.991	-00.653	388.0		
01/25/07	25	08:35												sonobuoy ch. 14, #82, 57B, failed
01/25/07	25	08:45	-72 02.9842	172 10.1944	03.1	188.4	384	370	10347.0	34.000	-00.681	383.1		
01/25/07	25	08:50												sonobuoy ch. 31, #83, 57B
01/25/07	25	09:00	-72 03.7042	172 10.3162	03.2	166.1	376	362	10345.0	33.990	-00.648	385.0		guns deployed
01/25/07	25	09:08												sonobuoy ch. 19, #84, 57B
01/25/07	25	09:15	-72 04.6262	172 11.3260	04.2	151.2	371	358	10344.0	33.991	-00.697	384.3		ramping up, firing gun 6, line 17
01/25/07	25	09:19												firing gun 5
01/25/07	25	09:23												firing gun 4
01/25/07	25	09:27												firing gun 3
01/25/07	25	09:30	-72 05.4172	172 13.7512	04.5	123.8	378	364	10342.0	34.053	-00.609	391.3	154	
01/25/07	25	09:31												firing gun 2
01/25/07	25	09:35												firing gun 1
01/25/07	25	09:38												sonobuoy ch. 05, #85, 57B

01/25/07	25	09:45	-72 06.0182	172 16.5189	04.7	126.2	388	372	10344.0	34.073	-00.574	404.9	209	
01/25/07	25	10:00	-72 06.7049	172 19.7205	04.7	123.4	401	385	10346.0	34.089	-00.572	407.4	267	
01/25/07	25	10:15	-72 07.3306	172 22.8973	04.4	127.1	427	414	10348.0	34.107	-00.583	408.5	323	
01/25/07	25	10:30	-72 07.9454	172 25.7190	04.5	125.7	446	441	10350.0	34.111	-00.567	404.1	379	
01/25/07	25	10:45	-72 08.6188	172 28.8638	04.7	122.9	466	448	10351.0	34.119	-00.595	403.3	437	
01/25/07	25	11:00	-72 09.3004	172 31.8173	04.5	129.5	486	473	10353.0	34.173	-00.482	403.3	493	Marcel off, Roi on
01/25/07	25	11:15	-72 09.9243	172 34.4348	04.3	123.8	514	489	10355.0	34.215	-00.568	365.1	545	
01/25/07	25	11:30	-72 10.6115	172 37.5476	04.5	128.8	509	491	10357.0	34.185	-00.590	357.6	606	
01/25/07	25	11:45	-72 11.2395	172 40.4553	04.5	122.8	519	500	10358.0	34.170	-00.566	357.8	661	
01/25/07	25	11:52											687	Sonobuoy Ch 15, #86 - failed
01/25/07	25	12:00	-72 11.8579	172 43.5132	04.5	122.6	532	513	10360.0	34.149	-00.574	359.3	717	
01/25/07	25	12:15	-72 12.4850	172 46.7111	04.6	123.8	532	512	10363.0	34.118	-00.529	353.5	774	
01/25/07	25	12:18											789	Stop shooting
01/25/07	25	12:30	-72 13.0275	172 49.3295	03.5	123.6	536	514	10368.0	34.130	-00.515	354.2		
01/25/07	25	12:45	-72 13.4752	172 51.4471	03.3	127.6	528	510	10369.0	34.169	-00.499	357.2		
01/25/07	25	13:00	-72 13.9600	172 53.6243	03.2	126.4	538	518	10371.0	34.177	-00.474	376.6		
01/25/07	25	13:15	-72 14.4585	172 55.8865	03.3	125.2	533	512	10372.0	34.180	-00.503	373.4		
01/25/07	25	13:21												Sonobuoy launch, channel 11, #87- failed
01/25/07	25	13:23												Sonobuoy launch, channel 15, #88
01/25/07	25	13:30	-72 14.9533	172 58.1223	03.3	124.9	538	519	10374.0	34.172	-00.557	377.1		
01/25/07	25	13:45	-72 15.4115	173 00.2911	03.3	125.5	520	502	10376.0	34.168	-00.535	374.1		
01/25/07	25	14:00	-72 15.9435	173 02.7493	04.9	123.5	526	506	10377.0	34.155	-00.534	370.8		rose off, danny on
01/25/07	25	14:02	-72 16.0977	173 03.5577									119	gun 5 firing again, start line 18.
01/25/07	25	14:07												gun 4 firing
01/25/07	25	14:09											145	gun 3 firing.
01/25/07	25	14:14											166	gun 2 firing
01/25/07	25	14:15	-72 16.6008	1730 06.0168	04.4	127.2	524	506	10379.0	34.164	-00.551	370.8	172	
01/25/07	25	14:18	-72 16.7189	173 06.5240									179	gun 1 firing (all guns)
01/25/07	25	14:30	-72 17.1913	173 08.7122	04.3	123.9	530	511	10382.0	34.103	-00.701	387.8	224	
01/25/07	25	14:45	-72 17.7389	173 11.7783	04.5	119.2	523	504	10385.0	33.944	-00.789	385.2	281	
01/25/07	25	14:54	-72 18.1526	173 14.0021									313	Sonobuoy ch. 6 #89 aux 2
01/25/07	25	15:00	-72 18.3380	173 14.9277	04.3	122.6	513	495	10388.0	33.917	-00.728	376.6	337	
01/25/07	25	15:15	-72 18.9391	173 17.9979	04.4	123.9	522	501	10390.0	33.967	-00.715	380.3	394	
01/25/07	25	15:30	-72 19.5552	173 21.0031	04.5	123.4	509	490	10392.0	33.937	-00.750	381.9	450	
01/25/07	25	15:45	-72 20.1668	173 24.0500	04.3	122.0	505	488	10394.0	33.960	-00.752	380.6	507	
01/25/07	25	16:00	-72 20.7188	173 27.1042	04.6	119.7	505	487	10393.0	33.972	-00.707	380.6	561	
01/25/07	25	16:15	-72 21.3441	173 30.3983	04.6	123.4	512	494	10394.0	33.990	-00.695	387.6	619	
01/25/07	25	16:26	-72 21.8431	173 32.9077									661	sonobuoy ch. 31 # 90
01/25/07	25	16:30	-72 21.9685	173 33.5760	04.9	121.0	509	491	10393.0	33.993	-00.685	388.6	675	
01/25/07	25	16:45	-72 22.6289	173 36.8729	04.8	124.6	519	499	10393.0	34.016	-00.668	389.8	732	
01/25/07	25	17:00	-72 23.2745	173 40.1797	04.6	121.5	509	491	10393.0	34.028	-00.677	391.8	788	Roi off, Michelle on.
01/25/07	25	17:15	-72 23.9543	173 43.3374	04.8	121.5	505	485	10395.0	34.040	-00.686	391.6	845	
01/25/07	25	17:30	-72 24.5819	173 46.5573	04.6	123.7	504	487	10395.0	34.002	-00.695	389.2	901	
01/25/07	25	17:45	-72 25.1930	173 49.6692	04.5	122.8	512	485	10395.0	33.991	-00.684	389.2	956	
01/25/07	25	17:55	-72 25.6343	173 51.7656										XBT #135 in water - good
01/25/07	25	18:00	-72 25.8499	173 52.7023	04.4	126.8	512	496	10397.0	33.984	-00.655	375.0	1013	Sonobuoy ch. 4 #91 in water - good
01/25/07	25	18:15	-72 26.4052	173 55.5963	04.2	118.8	518	501	10398.0	34.028	-00.645	377.3	1069	
01/25/07	25	18:30	-72 26.9701	173 58.6414	04.4	126.2	519	512	10398.0	34.076	-00.639	381.5	1125	
01/25/07	25	18:45	-72 27.6141	174 01.6287	04.5	123.2	508	495	10399.0	34.091	-00.629	386.5	1182	
01/25/07	25	19:00	-72 28.2344	174 04.7525	04.5	125.7	508	491	10399.0	34.089	-00.600	377.3	1238	
01/25/07	25	19:15	-72 28.8853	174 07.7921	04.5	125.7	496	480	10400.0	34.066	-00.605	377.3	1294	
01/25/07	25	19:17	-72 28.9883	174 08.2782										sonobuoy ch. 29 #92 -good
01/25/07	25	19:30	-72 29.5134	174 10.9241	04.6	123.1	484	475	10400.0	34.057	-00.584	371.1	1351	
01/25/07	25	19:45	-72 30.1286	174 14.0832	04.8	124.2	482	466	10401.0	34.016	-00.635	370.7	1407	
01/25/07	25	19:55												gun 6 working again, but with lower pressure (aka "oomf")
01/25/07	25	20:00	-72 30.7704	174 17.3154	04.6	127.2	486	470	10401.0	34.003	-00.588	367.0	1463	Danny Off, Sian On
01/25/07	25	20:15	-72 31.5092	174 20.6085	04.8	128.1	482	466	10401.0	33.976	-00.616	364.8	1520	
01/25/07	25	20:30	-72 32.1954	174 23.7991	04.7	126.2	468	453	10402.0	33.977	-00.563	363.6	1576	
01/25/07	25	20:45	-72 32.8294	174 27.0392	04.8	122.2	468	452	10403.0	34.028	-00.598	363.9	1631	
01/25/07	25	21:00	-72 33.4653	174 30.3644	04.7	123.4	455	439	10403.0	34.012	-00.789	363.9	1688	
01/25/07	25	21:15	-72 34.1158	174 33.5880	04.7	123.9	443	430	10403.0	33.888	-00.847	362.9	1745	

01/25/07	25	21:17												1753	Sonobuoy #94 Ch31
01/25/07	25	21:30	-72 34.7621	174 36.8912	04.8	123.6	434	419	10403.0		33.872	-00.841	363.2	1801	
01/25/07	25	21:45	-72 35.4062	174 40.2988	04.9	124.1	433	416	10402.0		33.863	-00.812	360.7	1857	
01/25/07	25	22:00	-72 36.0489	174 43.4409	04.8	124.1	423	409	10402.0		33.874	-00.820	358.4	1912	
01/25/07	25	22:15	-72 36.7813	174 46.9858	04.9	124.5	411	398	10401.0		33.866	-00.719	354.2	1970	
01/25/07	25	22:30	-72 37.4579	174 50.3494	05.0	121.5	402	389	10399.0		33.879	-00.662	353.9	2026	
01/25/07	25	22:45	-72 38.0594	174 53.7689	04.9	120.5	413	399	10395.0		33.871	-00.687	353.9	2079	
01/25/07	25	23:00	-72 38.7616	174 57.2241	04.6	124.9	413	399	10391.0		33.887	-00.682	353.9	2137	
01/25/07	25	23:15	-72 39.3398	175 00.2921	04.3	120.8	413	400	10386.0		33.881	-00.864	360.4	2193	
01/25/07	25	23:22													starting turn
01/25/07	25	23:26												101	starting Line 19
01/25/07	25	23:30	-72 39.8323	175 03.6658	04.5	107.8	421	407	10378.0		33.877	-00.884	361.3	117	
01/25/07	25	23:45	-72 39.9783	175 07.3755	04.6	092.9	431	416	10371.0		33.878	-00.835	360.9	173	
01/25/07	25	23:49												186	sonobuoy #95 Ch 12
01/26/07	26	00:00	-72 39.9957	175 11.1768	04.4	091.7	437	422	10366.0		33.880	-00.866	361.3	229	
01/26/07	26	00:02													Gun 1 stopping firing
01/26/07	26	00:11													Shooting guns with less pressure, draining air
01/26/07	26	00:14												283	stopped firing
01/26/07	26	00:15	-72 39.9953	175 14.6091	03.1	087.7	448	433	10363.0		33.890	-00.858	361.3		
01/26/07	26	00:30	-72 40.0076	175 17.2202	03.3	089.7	455	440	10363.0		33.866	-00.853	360.5		
01/26/07	26	00:45	-72 40.0200	175 20.3833	04.0	090.8	464	449	10358.0		33.869	-00.879	360.7		
01/26/07	26	00:59													sonobuoy #96, Ch31
01/26/07	26	01:00	-72 40.0154	175 23.5684	03.7	090.1	478	464	10355.0		33.844	-00.855	358.4		
01/26/07	26	01:15	-72 40.0159	175 26.7059	03.7	090.8	507	491	10350.0		33.873	-00.919	359.2		
01/26/07	26	01:30	-72 40.0346	175 29.7253	03.7	090.2	517	500	10346.0		33.859	-00.906	356.1		
01/26/07	26	01:43													starting ramp up Line 20
01/26/07	26	01:44													gun 6 online
01/26/07	26	01:45	-72 40.0204	175 32.7905	03.6	087.0	537	520	10344.0		33.859	-00.896	357.9		
01/26/07	26	01:48													gun 5 online
01/26/07	26	01:51													gun 4 online
01/26/07	26	01:56													gun 3 online
01/26/07	26	02:00	-72 40.0305	175 36.4655	04.4	091.9	551	533	10342.0		33.857	-00.918	357.9	161	Sian off, Lisa on
01/26/07	26	02:03													gun 2 online
01/26/07	26	02:07													gun 1 online
01/26/07	26	02:15	-72 40.0255	175 40.1541	04.5	088.8	580	561	10344.0		33.850	-00.817	355.3	216	
01/26/07	26	02:30	-72 40.0383	175 43.9600	04.6	090.1	598	579	10347.0		33.757	-00.995	358.5	273	
01/26/07	26	02:45	-72 40.0090	175 47.8180	04.6	088.0	630	610	10348.0		33.675	-01.018	351.3	330	
01/26/07	26	03:00	-72 39.9678	175 51.5598	04.8	091.5	647	627	10351.0		33.690	-00.953	351.1	386	
01/26/07	26	03:15	-72 40.0104	175 55.3702	04.5	091.2	653	633	10352.0		33.780	-01.115	355.2	442	
01/26/07	26	03:19												459	starting turn
01/26/07	26	03:30	-72 39.7485	175 59.1751	05.1	051.1	662	641	10352.0		33.692	-01.221	356.1	497	only one gun firing
01/26/07	26	03:45	-72 38.6224	176 00.8871	05.0	003.8	679	658	10360.0		33.647	-01.235	348.5	555	
01/26/07	26	04:00	-72 37.5778	175 59.4562	04.6	310.4	684	662	10367.0		33.665	-01.221	348.1	611	
01/26/07	26	04:15	-72 37.3512	175 55.9790	04.6	251.4	677	656	10371.0		33.669	-01.207	346.3	667	
01/26/07	26	04:30	-72 38.1198	175 53.8458	04.4	182.6	667	645	10365.0		33.710	-00.925	351.2	723	
01/26/07	26	04:45	-72 39.1159	175 53.0411	03.9	215.8	659	638	10365.0		33.755	-00.976	355.4	779	
01/26/07	26	05:00	-72 39.7449	175 50.1718	04.6	254.0	637	617	10369.0		33.757	-00.903	355.5	841	5:05 ramping up
01/26/07	26	05:15	-72 39.4081	175 46.5444	04.8	264.1	620	600	10369.0		33.730	-00.976	355.5		5 guns firing
01/26/07	26	05:27													line 21
01/26/07	26	05:30	-72 39.9994	175 42.1802	04.7	268.5	591	574	10369.0		33.700	-00.819	350.8		
01/26/07	26	05:45	-72 40.0063	173 38.4348	04.7	270.3	576	551	10365.0		33.678	-01.008	350.6		
01/26/07	26	06:00	-72 40.0195	175 34.6634	04.6	268.5	551	533	10362.0		33.742	-00.903	352.6		
01/26/07	26	06:15	-72 40.0172	175 30.8020	04.8	269.8	522	506	10362.0		33.857	-00.662	356.3		
01/26/07	26	06:30	-72 40.0282	175 26.6309	04.8	271.3	507	485	10366.0		33.865	-00.885	356.5		
01/26/07	26	06:45	-72 40.0319	175 22.9129	04.4	268.9	474	459	10370.0		33.872	-00.917	355.6	388	sonobuoy #96, Ch31
01/26/07	26	07:00	-72 40.0520	175 19.2252	04.4	268.4	464	449	10375.0		33.873	-00.902	355.6	448	
01/26/07	26	07:15	-72 40.0616	175 15.6299	04.3	269.4	451	436	10379.0		33.872	-00.864	357.4	504	
01/26/07	26	07:30	-72 40.0488	175 11.7645	04.7	271.0	442	428	10383.0		33.860	-00.855	356.8	561	
01/26/07	26	07:45	-72 40.0690	175 07.8149	04.8	262.2	432	418	10388.0		33.862	-00.885	356.3	617	
01/26/07	26	08:00	-72 40.5180	175 04.1949	04.6	236.6	422	411	10392.0		33.862	-00.879	356.2	672	
01/26/07	26	08:15	-72 41.2848	175 01.3412	04.4	218.6	411	405	10395.0		33.863	-00.856	355.5	729	

01/26/07	26	08:20												747	sonobuoy #97, Ch31
01/26/07	26	08:30	-72 42.2461	174 59.4498	04.5	209.8	397	439	10397.0		33.857	-00.836	355.5	787	
01/26/07	26	08:45	-72 43.2591	174 57.6123	04.6	207.1	390	377	10401.0		33.857	-00.804	352.5	837	
01/26/07	26	09:00	-72 44.2383	174 55.8023	04.5	209.9	384	371	10406.0		33.854	-00.688	352.5	898	
01/26/07	26	09:15	-72 45.2623	174 53.9053	04.6	209.9	370	358	10409.0		33.879	-00.704	349.8	954	
01/26/07	26	09:30	-72 46.0680	174 51.1771	04.8	240.9	359	348	10416.0		33.954	-00.686	354.9	1010	
01/26/07	26	09:45	-72 46.3541	174 47.3071	04.8	271.4	366	354	10421.0		33.972	-00.654	359.2	1066	
01/26/07	26	10:00	-72 46.0657	174 43.5260	04.6	295.4	378	365	10422.0		33.971	-00.678	362.3	1123	
01/26/07	26	10:13												1170	sonobuoy #98, Ch06
01/26/07	26	10:15	-72 45.5846	174 40.1349	04.4	295.8	392	379	10422.0		33.969	-00.648	362.3	1179	
01/26/07	26	10:30	-72 45.0870	174 36.8269	04.4	297.7	396	385	10422.0		33.951	-00.674	360.5	1235	
01/26/07	26	10:45	-72 44.6054	174 33.5916	04.4	295.4	405	391	10423.0		33.914	-00.702	359.9	1291	
01/26/07	26	11:00	-72 44.1820	174 30.2051	04.5	292.0	411	398	10423.0		33.911	-00.736	292.0	1349	Marcel off, Roi on
01/26/07	26	11:15	-72 43.7073	174 26.7188	04.6	296.6	417	402	10423.0		33.909	-00.751	361.0	1408	
01/26/07	26	11:20												1420	Sonobuoy channel 4 #99
01/26/07	26	11:30	-72 43.1996	174 23.4091	04.5	293.2	419	407	10423.0		34.028	-00.576	361.2	1461	
01/26/07	26	11:45	-72 42.7386	174 20.0354	04.7	296.0	418	404	10423.0		34.062	-00.525	369.0	1517	
01/26/07	26	12:00	-72 42.2433	174 16.6324	04.4	296.2	425	411	10423.0		34.111	-00.601	369.0	1572	
01/26/07	26	12:15	-72 41.7870	174 13.2449	04.5	292.0	431	418	10423.0		34.089	-00.617	387.8	1628	
01/26/07	26	12:30	-72 41.3283	174 09.9170	04.3	297.6	438	425	10422.0		34.089	-00.590	387.6	1686	
01/26/07	26	12:45	-72 40.8669	174 06.4819	04.8	295.7	445	431	10422.0		34.022	-00.596	380.2	1741	
01/26/07	26	12:50	-72 40.6805	174 05.1810										1759	Sonobuoy, channel 23 # 100
01/26/07	26	13:00	-72 40.3922	174 03.0872	04.6	294.6	449	435	10420.0		34.026	-00.701	378.2	1798	13:11 10 degree turn
01/26/07	26	13:15	-72 39.8671	173 59.8517	04.4	302.7	451	437	10419.0		34.033	-00.598	374.5	1853	
01/26/07	26	13:30	-72 39.2336	173 56.8076	04.5	306.7	455	442	10417.0		34.103	-00.666	374.5	1909	
01/26/07	26	13:45	-72 38.5474	173 53.7460	04.7	306.2	465	450	10416.0		34.104	-00.667	393.9	1966	
01/26/07	26	14:00	-72 37.8571	173 50.6039	04.7	307.4	482	466	10415.0		34.086	-00.660	395.1	2023	rose off, danny on
01/26/07	26	14:15	-72 37.1690	173 47.5333	04.5	304.5	481	465	10414.0		34.079	-00.648	394.4	2079	
01/26/07	26	14:17	-72 37.0697	173 47.0654										2085	sonobuoy ch. 20 #101 - good
01/26/07	26	14:30	-72 36.5048	173 44.4653	04.7	305.4	487	471	10413.0		34.074	-00.613	392.3	2135	
01/26/07	26	14:45	-72 35.8292	173 41.3324	04.5	306.9	481	477	10412.0		34.076	-00.602	392.1	2191	
01/26/07	26	15:00	-72 35.1471	173 38.2635	04.5	309.1	505	486	10410.0		34.090	-00.551	392.2	2246	
01/26/07	26	15:15	-72 34.4797	173 35.4721	04.4	307.3	485	470	10408.0		34.108	-00.629	392.2	2303	
01/26/07	26	15:30	-72 33.8054	173 32.3941	04.5	305.2	490	470	10408.0		34.014	-00.640	383.7	2360	
01/26/07	26	15:45	-72 33.1554	173 29.2896	04.5	304.5	498	481	10406.0		34.000	-00.644	376.9	2416	
01/26/07	26	15:55	-72 32.6732	173 27.1555										2453	sonobuoy ch. 12 #102 - good (failed later)
01/26/07	26	16:00	-72 32.4770	173 26.3004	04.6	307.1	510	495	10405.0		34.027	-00.585	379.5	2472	
01/26/07	26	16:10	-72 32.0004	173 24.2697										2508	sonobuoy ch. 23 # 103 - good
01/26/07	26	16:15	-72 31.9758	173 23.3377	04.4	304.5	516	499	10404.0		34.106	-00.731	384.0	2528	
01/26/07	26	16:26	-72 31.3335	173 21.0333										2568	XBT #136 - good
01/26/07	26	16:30	-72 31.1888	173 20.2817	04.4	302.8	525	508	10403.0		33.944	-00.737	384.1	2585	
01/26/07	26	16:45	-72 30.6271	173 17.1359	04.5	297.6	524	506	10403.0		33.928	-00.716	381.2	2642	
01/26/07	26	17:00	-72 30.0000	173 14.0479	04.4	307.3	544	524	10402.0		33.935	-00.730	375.8	2698	roi off, michelle on.
01/26/07	26	17:15	-72 29.2822	173 11.2518	04.4	311.3	536	518	10400.0		33.915	-00.694	377.4	2754	
01/26/07	26	17:20	-72 29.0451	173 10.3564										2770	sonobuoy ch. 20 # 104 - good
01/26/07	26	17:30	-72 28.6047	173 08.6124	04.1	310.4	539	521	10399.0		33.943	-00.736	379.1	2810	
01/26/07	26	17:45	-72 27.9495	173 05.9921	04.0	311.7	537	519	10397.0		33.928	-00.688	374.7	2868	
01/26/07	26	18:00	-72 27.2392	173 03.0240	04.9	304.5	538	520	10396.0		34.078	-00.485	381.9	2923	
01/26/07	26	18:15	-72 26.5439	172 59.8526	04.5	306.8	544	525	10393.0		34.130	-00.549	372.7	2980	
01/26/07	26	18:30	-72 25.8929	172 56.8428	04.5	306.4	538	522	10389.0		34.096	-00.472	372.7	3035	
01/26/07	26	18:45	-72 25.2539	172 53.7790	04.6	303.6	547	529	10386.0		34.094	-00.469	357.0	3092	
01/26/07	26	19:00	-72 24.6181	172 50.6903	04.5	304.6	552	526	10383.0		34.091	-00.439	354.4	3148	
01/26/07	26	19:15	-72 23.9639	172 47.8217	04.4	308.1	548	529	10379.0		34.112	-00.458	354.0	3204	
01/26/07	26	19:17	-72 23.8266	172 47.2595										3211	sonobuoy ch. 13, #105 - failed
01/26/07	26	19:22	-72 23.6005	172 46.3422										3230	sonobuoy ch. 23 #106 - good
01/26/07	26	19:30	-72 23.2777	172 44.9808	04.4	307.6	555	536	10376.0		34.145	-00.459	356.3	3251	
01/26/07	26	19:45	-72 22.6076	172 41.8771	04.6	305.3	559	539	10374.0		34.143	-00.496	355.3	3318	
01/26/07	26	20:00	-72 21.9493	172 38.8477	04.8	304.8	558	540	10372.0		34.148	-00.520	352.2	3373	danny off, sian on.
01/26/07	26	20:15	-72 21.2746	172 35.7440	04.6	305.6	552	535	10370.0		34.149	-00.496	352.2	3430	
01/26/07	26	20:30	-72 20.6035	172 32.6431	04.5	306.8	546	526	10369.0		34.174	-00.512	346.1	3485	
01/26/07	26	20:45	-72 19.9017	172 29.6393	04.8	308.3	543	522	10368.0		34.179	-00.515	348.7	3541	

01/26/07	26	21:00	-72 19.1780	172 26.5668	04.8	307.1	530	511	10367.0		34.184	-00.460	349.2	3598	
01/26/07	26	21:03												3609	Guns shut down
01/26/07	26	21:15	-72 18.4772	172 26.3853	04.8	306.1	529	512	10366.0		34.150	-00.527	346.2		
01/26/07	26	21:30	-72 17.9764	172 21.3043	02.7	310.4	520	502	10361.0		34.130	-00.484	344.4		
01/26/07	26	21:45	-72 17.4898	172 19.2490	03.6	301.3	491	475	10362.0		34.131	-00.507	344.7		
01/26/07	26	22:00	-72 17.0865	172 16.8338	03.3	298.2	475	437	10363.0		34.115	-00.522	344.5		
01/26/07	26	22:15	-72 16.7743	172 14.5633	02.9	284.2	430	415	10363.0		34.157	-00.507	343.6		
01/26/07	26	22:30	-72 16.7725	172 12.1893	03.0	254.1	402	394	10364.0		34.154	-00.536	342.6		
01/26/07	26	22:45	-72 17.1533	172 10.2448	02.8	218.7	399	385	10362.0		34.151	-00.531	342.6		
01/26/07	26	23:00	-72 17.9228	172 11.0266	05.2	138.3	425	409	10348.0		34.151	-00.533	343.9		Michelle off, Franziska on
01/26/07	26	23:15	-72 19.6010	172 16.2819	10.5	129.7	523	496	10340.0		34.145	-00.565	344.3		magnetometer online
01/26/07	26	23:30	-72 21.0599	172 23.5172	10.5	116.4	537	517	10337.0		34.126	-00.572	344.3		
01/26/07	26	23:45	-72 22.3759	172 30.6623	10.4	158.6	548	530	10339.0	64300	34.105	-00.448	342.6		
01/27/07	27	00:00	-72 24.7334	172 34.1913	10.5	155.2	550	532	10352.0	64194	34.125	-00.522	345.3		
01/27/07	27	00:15	-72 27.1207	172 37.8607	10.6	154.7	555	538	10354.0	64157	34.163	-00.432	345.7		
01/27/07	27	00:30	-72 29.5964	172 41.7096	10.7	154.5	548	530	10357.0	64115	34.141	-00.389	343.0		
01/27/07	27	00:45	-72 31.0068	172 45.4642	10.8	154.0	546	526	10360.0	64112	34.107	-00.425	349.3		
01/27/07	27	01:00	-72 34.0677	172 48.7885	10.9	154.7	550	530	10364.0	64084	34.095	-00.391	355.6		
01/27/07	27	01:15	-72 36.4842	172 52.5742	11.1	155.8	549	530	10367.0	64061	34.049	-00.436	355.6		
01/27/07	27	01:30	-72 38.8976	172 56.2555	11.3	155.3	554	539	10370.0	64047	34.056	-00.410	356.3		
01/27/07	27	02:45	-72 52.0944	173 17.1140	11.8	154.4	495	479	10380.0	64014	34.074	-00.127	357.3		crossing ceremony
		03:00	-72 54.9133	173 21.5350	11.7	156.2	428	412	10385.0	63980	34.061	-00.006	358.4		
		03:15	-72 57.4251	173 25.1578	11.6	155.9	444	429	10388.0	63978	34.039	-00.011	356.4		
		03:30	-73 00.0339	173 29.3848	11.5	154.2	462	444	10388.0	64006	34.040	00.025	362.9		
		03:45	-73 02.6500	173 33.5403	11.6	155.1	466	451	10389.0	64017	34.091	00.010	357.5		
01/27/07	27	04:00	-73 05.2592	173 37.8598	11.6	154.9	421	409	10384.0	63966	33.972	00.004	354.7		
01/27/07	27	04:15	-73 07.9092	173 42.1161	11.7	154.6	372	359	10382.0	63936	34.033	00.225	335.4		
01/27/07	27	04:30	-73 10.5208	173 46.2836	11.4	152.6	345	333	10381.0	63893	34.129	00.393	335.4		
01/27/07	27	04:45	-73 11.7645	173 54.5645	11.4	106.2	320	309	10362.0	63843	34.171	00.769	322.1		
01/27/07	27	05:00	-73 12.7950	174 05.5838	10.9	108.9	322	312	10361.0	63873	34.068	00.440	321.3		Franzi off, M on
01/27/07	27	05:15	-73 13.5127	174 12.7515	10.7	109.4	320	310	10365.0	63915	34.178	00.185	323.4		
01/27/07	27	05:30	-73 14.3893	174 21.6971	11.0	107.0	304	294	10365.0	64002	34.161	00.466	318.2		
01/27/07	27	05:45	-73 15.1740	174 30.4733	10.9	108.6	329	318	10359.0	64044	34.190	00.295	317.2		
01/27/07	27	06:00	-73 15.9906	174 39.1873	10.9	106.7	355	343	10351.0	64008	34.171	00.311	317.5		
01/27/07	27	06:15	-73 16.8338	174 48.2547	11.1	108.6	375	362	10349.0	63911	34.157	00.257	317.5		
01/27/07	27	06:30	-73 17.9448	174 57.3267	11.5	149.6	394	381	10349.0	63838	34.081	00.491	323.7		
01/27/07	27	06:45	-73 20.5764	174 55.1532	11.6	207.4	395	382	10379.0	63828	34.145	00.474	301.8		
01/27/07	27	07:00	-73 23.2008	174 50.2753	11.3	208.7	386	374	10377.0	63852	34.147	00.293	305.9		
01/27/07	27	07:15	-73 25.6776	174 45.6271	11.4	208.2	389	374	10382.0	63882	34.176	00.235	321.2		
01/27/07	27	07:30	-73 27.9982	174 41.2555	11.5	277.9	388	374	10391.0	63912	34.157	00.483	322.7		
01/27/07	27	07:45	-73 30.6871	174 36.2101	11.4	209.3	374	364	10403.0	63934	34.071	00.451	322.7		
01/27/07	27	08:00	-73 33.2016	174 31.3156	11.7	208.6	384	371	10409.0	63903	34.114	00.534	303.3		
01/27/07	27	08:15	-73 35.7724	174 26.4423	11.5	207.3	385	372	10409.0	63914	34.119	00.564	296.2		
01/27/07	27	08:30	-73 38.3299	174 21.9040	11.6	206.7	386	373	10410.0	63936	34.120	00.415	298.5		
01/27/07	27	08:45	-73 40.8669	174 17.3309	11.5	206.6	385	372	10411.0	63873	34.112	00.450	298.5		
01/27/07	27	09:00	-73 43.3818	174 12.4300	11.3	208.6	391	376	10413.0	63863	34.101	00.422	299.0		
01/27/07	27	09:15	-73 45.8592	174 07.7005	11.3	207.7	396	383	10419.0	63840	34.100	00.414	297.1		
01/27/07	27	09:30	-73 48.3366	174 02.9077	11.2	209.2	407	394	10422.0	63854	34.133	00.345	297.1		
01/27/07	27	09:45	-73 50.8026	173 58.0600	11.3	209.0	406	393	10428.0	63886	34.138	00.254	298.5		
01/27/07	27	10:00	-73 53.2507	173 53.2141	11.4	208.8	405	392	10434.0	63901	34.134	00.488	299.6		
01/27/07	27	10:15	-73 55.7144	173 48.1439	11.3	210.4	411	397	10440.0	63902	34.079	00.531	295.2		
01/27/07	27	10:30	-73 58.2344	173 43.2500	11.3	207.6	470	451	10442.0	63871	34.067	00.562	293.5		
01/27/07	27	10:45	-74 00.6921	173 38.7149	11.3	207.3	473	465	10443.0	63844	34.099	00.500	294.0		
01/27/07	27	11:00	-74 03.1874	173 34.0668	11.4	207.1	478	462	10445.0	63812	34.097	00.639	293.5		
01/27/07	27	11:15	-74 05.7248	173 24.6130	11.1	208.1	485	473	10446.0	63790	34.094	00.684	288.4		
01/27/07	27	11:30	-74 08.1633	173 24.6130	11.1	207.5	503	480	10447.0	63786	34.108	00.605	288.2		
01/27/07	27	11:45	-74 10.6142	173 20.0079	11.2	207.3	513	495	10441.0	63798	34.091	00.335	287.4		
01/27/07	27	12:00	-74 13.0334	173 15.0027	11.1	210.7	517	505	10440.0	63816	34.152	00.274	292.5		
01/27/07	27	12:15	-74 15.5214	173 09.7321	11.1	208.4	522	508	10442.0	63831	34.093	00.333	294.9		
01/27/07	27	12:30	-74 17.9123	173 05.0162	11.0	208.1	535	515	10447.0	63905	34.100	00.303	291.7		
01/27/07	27	12:45	-74 20.2702	173 00.3543	11.2	207.5	536	517	10449.0	63914	34.081	00.371	291.7		

