

RVIB NATHANIEL B. PALMER UNDERWAY GEOPHYSICAL WATCH CRUISE: NBP0507

NOTE: CELLS ARE FORMATTED TO RECEIVE ONLY NUMBERS, NO SPACES, DECIMALS, OR COLONS ARE NEEDED

For questions about the formatting of this spreadsheet see Marcel Croon

Date	Julian Day	Time (GMT)	Latitude	Longitude	Speed (kts)	CMG	Depth (m)	Depth (f)	Gravity	Magnetic	Salinity	Ext Temp	pCO2	Shot # (C)	Comments and Observations
09/02/2004	246	00:00	36 37.988	174 56.570	10.3	216.9	43	41			34.353	12.518	51.1		Adam off, Marcel on
09/25/2005	268	21:00	-52 29.822	-080 09.724	06.8	270.4	4249	NA	8998.5	34466	33.945	06.279	385.6		Stuart on; first record
09/25/2005	268	21:15	-52 29.801	-080 12.739	07.9	270.9	4349	NA	8998.5	34229	33.994	06.002	385.6		
09/25/2005	268	21:30	-52 29.782	-080 15.762	07.7	273.7	4269	NA	9002.9	34157	33.991	06.018	386.3		
09/25/2005	268	21:45	-52 29.752	-080 18.848	06.9	264.2	4572	4331	8999.2	34419	33.969	06.097	388.2		Multibeam on; still being fiddled with
09/25/2005	268	22:00	-52 29.712	-080 21.911	07.4	265.0	4334	4345	8998.5	34412	33.950	06.264	383.9		
09/25/2005	268	22:15	-52 29.737	-080 24.929	07.9	271.6	4389	4723	8995.7	34512	33.913	06.429	381.5		
09/25/2005	268	22:30	-52 29.779	-080 28.026	07.6	269.0	4308	4362	8992.3	34391	33.888	06.433	377.6		
09/25/2005	268	22:45	-52 29.865	-080 31.000	08.0	268.1	4323	4384	8998.9	34236	33.898	06.428	377.6		
09/25/2005	268	23:00	-52 30.005	-080 34.132	07.5	263.9	4385	4388	8994.3	34494	33.896	06.450	378.6		
09/25/2005	268	23:15	-52 30.102	-080 37.141	07.7	268.9	4393	4402	8992.1	34471	33.892	06.510	380.9		
09/25/2005	268	23:30	-52 30.240	-080 40.276	08.0	265.8	4398	4424	8988.7	34549	33.879	06.568	379.2		
09/25/2005	268	23:45	-52 30.401	-080 43.399	08.0	267.3	4379	4409	8994.5	34691	33.875	06.611	382.4		
09/26/2005	269	00:00	-52 30.543	-080 46.734	08.1	266.8	4410	4413	8993.0	NA	33.876	06.556	382.0		Mag turned off at 23:55 to be moved
09/26/2005	269	00:15	-52 30.653	-080 49.859	08.2	270.0	4381	4355	8993.3	NA	33.902	06.381	379.4		
09/26/2005	269	00:30	-52 30.623	080 53.079	08.0	270.8	4411	4362	8990.5	NA	33.881	06.558	379.4		
09/26/2005	269	00:45	-52 30.596	-080 56.292	08.0	269.4	4446	4375	8992.4	34339	33.884	06.431	377.7		Mag turned on at about 00:33
09/26/2005	269	01:00	-52 30.644	-080 59.466	07.9	266.5	4396	4381	8996.4	34458	33.916	06.346	375.4		
09/26/2005	269	01:15	-52 30.761	-081 02.794	08.1	266.7	4451	4380	8991.2	34405	33.916	06.331	377.7		
09/26/2005	269	01:30	-52 30.845	-081 06.064	08.0	270.1	4456	4407	8992.5	34442	33.977	06.060	380.6		
09/26/2005	269	01:45	-52 30.919	-081 09.960	08.6	268.7	4441	4411	8989.8	34455	33.992	05.989	381.4		Roland on watch
09/26/2005	269	01:59	-52 30.963	-081 12.888	08.1	266.5	4455	4418	8991.8	34482	33.978	06.108	381.4		
09/26/2005	269	02:15	-52 31.136	-081 16.075	08.1	262.5	4504	4432	8991.5	34545	33.970	06.158	380.7		
09/26/2005	269	02:30	-52 31.258	-081 19.538	08.5	265.3	4504	4448	8992.6	34660	34.002	05.942	384.2		
09/26/2005	269	02:45	-52 31.303	-081 22.663	07.1	270.4	4461	4449	8993.0	34611	33.993	05.960	379.8		
09/26/2005	269	03:00	-52 31.351	-081 26.375	08.1	267.0	4485	4480	8993.0	34687	33.988	05.958	379.4		
09/26/2005	269	03:15	-52 31.388	-081 29.324	07.6	269.5	4468	4472	8987.7	34752	33.984	05.956	379.1		
09/26/2005	269	03:30	-52 31.428	-081 32.627	08.5	271.6	4540	4755	8990.2	34859	33.987	05.946	381.0		
09/26/2005	269	03:45	-52 31.479	-081 36.268	08.1	266.8	4502	4460	8988.7	34829	34.003	05.898	381.0		
09/26/2005	269	04:00	-52 31.620	-081 39.565	08.0	267.5	4554	4462	8987.1	34792	34.011	05.830	379.9		
09/26/2005	269	04:15	-52 31.663	-081 43.129	08.1	270.1	4508	4460	8982.7	34797	34.008	05.827	378.6		
09/26/2005	269	04:30	-52 31.692	-081 46.273	08.3	266.3	4534	4456	8987.5	34666	34.020	05.790	378.4		
09/26/2005	269	04:45	-52 31.775	-081 50.319	08.4	266.4	4495	4452	8989.3	34578	34.016	05.825	379.1		
09/26/2005	269	05:00	-52 31.879	-081 53.962	08.0	264.4	4456	4438	8987.9	34615	34.031	05.771	378.9		
09/26/2005	269	05:15	-52 32.021	-081 56.390	08.3	265.6	4496	4446	8993.6	34680	34.030	05.773	378.4		
09/26/2005	269	05:30	-52 32.156	-081 59.886	08.7	264.8	4480	4462	8990.1	34809	34.031	05.779	378.4		
09/26/2005	269	05:45	-52 32.233	-082 04.029	08.4	267.8	4489	4467	8990.2	34920	34.018	05.795	376.9		
09/26/2005	269	06:00	-52 32.258	-082 06.713	08.6	270.5	4509	4475	8991.5	34953	34.019	05.784	376.8		
09/26/2005	269	06:15	-52 32.259	-082 10.332	08.1	270.0	4567	4499	8993.1	34858	34.021	05.785	376.2		
09/26/2005	269	06:30	-52 32.325	-082 13.820	08.2	265.3	4577	4513	8992.8	34867	34.019	05.800	376.0		Rolly's last entry
09/26/2005	269	06:45	-52 32.417	-082 16.817	09.0	268.2	4548	4501	8995.2	34882	34.017	05.837	376.8		Mimi's first entry
09/26/2005	269	07:00	-52 32.460	-082 20.858	08.7	267.8	4505	4534	8993.3	34909	34.007	05.876	376.8		
09/26/2005	269	07:15	-52 32.544	-082 24.606	08.9	268.0	4502	4510	8998.4	35058	34.006	05.886	379.4		
09/26/2005	269	07:30	-52 32.632	-082 27.990	08.9	269.8	4426	4424	9003.0	35022	34.003	05.898	379.3		
09/26/2005	269	07:45	-52 32.722	-082 31.622	08.6	267.2	4370	4324	8999.9	35054	34.002	05.896	380.6		phoned Basil cause XBT screen froze
09/26/2005	269	08:00	-52 32.798	-082 35.035	08.1	265.9	4381	4399	9001.7	35089	34.001	05.906	380.0		

09/26/2005	269	08:15	-52 32.881	-082 38.603	08.4	268.4	4514	4480	9001.9	35116	34.003	06.098	380.7	
09/26/2005	269	08:30	-52 32.993	-082 42.202	09.2	265.6	4546	4530	8998.4	35173	34.005	06.092	380.7	
09/26/2005	269	08:45	-52 33.106	-082 45.859	09.0	269.2	4586	4504	8995.4	35239	34.037	05.991	380.7	
09/26/2005	269	09:00	-52 33.160	-082 49.518	09.4	268.0	4546	4597	8996.1	35276	34.082	05.657	380.8	
09/26/2005	269	09:15	-52 33.235	-082 53.320	09.3	267.6	4603	4577	9000.3	35284	34.080	05.705	376.1	
09/26/2005	269	09:30	-52 33.319	-082 56.976	09.1	267.9	4466	4433	8996.9	35358	34.069	05.713	376.6	
09/26/2005	269	09:45	-52 33.378	-083 00.761	09.3	267.7	4838	4798	8987.0	35182	34.058	05.785	376.1	phoned Chris cause MB display disappeared
09/26/2005	269	10:00	-52 33.441	-083 04.508	09.8	267.1	4988	5081	8974.2	35150	34.041	05.874	376.5	
09/26/2005	269	10:15	-52 33.561	-083 08.249	09.6	266.7	4457	5435	8966.5	35178	34.038	05.887	377.9	Knudsen probably needs range reset
09/26/2005	269	10:30	-52 33.719	-083 12.572	08.9	266.5	5562	5327	8961.8	35218	34.037	05.904	377.9	
09/26/2005	269	10:45	-52 33.836	-083 16.015	09.2	267.8	5538	5468	8958.0	35240	34.045	05.941	377.5	
09/26/2005	269	11:00	-52 33.963	-083 19.817	09.6	266.6	5229	5372	8970.1	35259	34.042	05.936	376.3	
09/26/2005	269	11:15	-52 34.116	-083 23.324	09.2	264.9	4885	4756	8987.5	35303	34.035	05.931	377.4	Mimi's last entry
09/26/2005	269	11:30	-52 34.276	-083 27.668	09.4	266.3	4982	4944	8987.2	35313	34.033	05.706	378.2	Lydia's first entry
09/26/2005	269	11:45	-52 34.383	-083 31.575	09.4	269.3	4847	4607	8984.8	35299	34.036	05.711	378.7	
09/26/2005	269	12:00	-52 34.480	-083 35.408	09.5	267.5	4739	4737	8990.1	35324	34.049	05.638		I messed up the pCO2 reading
09/26/2005	269	12:15	-52 34.541	-083 39.285	09.1	269.6	4531	5441	8994.9	35370	34.055	05.680	377.1	
09/26/2005	269	12:30	-52 34.606	-083 43.181	09.7	268.6	4530	4550	9003.3	35389	34.072	05.628	377.5	
09/26/2005	269	12:45	-52 34.664	-083 46.943	08.9	268.3	4537	4507	9001.5	35431	34.072	05.622	376.3	XBT probe hand launched, made it to 760 m
09/26/2005	269	13:00	-52 34.686	-083 50.783	09.6	272.1	4691	4685	9000.0	35489	34.072	05.662	377.4	
09/26/2005	269	13:15	-52 34.661	-083 54.658	10.3	270.9	4701	4669	9000.9	35610	34.056	05.706	375.2	
09/26/2005	269	13:30	-52 34.648	-083 58.692	10.0	270.1	4533	4249	9002.3	35519	34.062	05.636	375.8	
09/26/2005	269	13:45	-52 34.684	-084 02.803	09.8	269.4	4011	3837	9014.3	35595	34.054	05.659	375.8	XBT probe hand launched, made it t 760 m
09/26/2005	269	14:00	-52 34.796	-084 06.379	10.7	265.3	4030	4159	9004.6	35678	34.054	05.636	377.0	
09/26/2005	269	14:15	-52 34.992	084 10.770	10.7	265.2	4431	4368	9016.0	35646	34.080	05.514	378.7	
09/26/2005	269	14:30	-52 35.184	-084 15.146	10.9	265.9	4739	4728	9008.9	35663	34.076	05.514	376.5	
09/26/2005	269	14:45	-52 35.370	-084 19.375	09.4	265.1	4781	4268	9003.5	35723	34.076	05.463	374.8	
09/26/2005	269	15:00	-52 35.491	-084 23.772	10.7	269.4	4755	4724	9002.3	35744	34.089	05.484	374.8	
09/26/2005	269	15:15	-52 35.606	-084 28.076	10.6	267.2	4773	4756	9002.9	35724	34.077	05.536	374.7	
09/26/2005	269	15:30	-52 35.749	-084 32.458	10.6	267.2	4851	4794	9002.7	35746	34.102	05.418	374.7	XBT probe hand launched, made it to 760 m
09/26/2005	269	15:45	-52 35.830	-084 36.702	11.0	267.6	4953	4848	9000.2	35800	34.094	05.454	371.8	
09/26/2005	269	16:00	-52 35.974	-084 41.151	10.8	266.4	4750	5469	9008.5	35866	34.090	05.479	371.8	Lydia's last entry
09/26/2005	269	16:15	-52 36.135	-084 45.589	10.3	266.4	4566	4597	9004.4	35870	34.091	05.497	371.3	Marcel's first entry
09/26/2005	269	16:30	-52 36.303	-084 50.216	10.5	268.1	4865	4901	9003.5	35788	34.088	05.464	371.1	
09/26/2005	269	16:45	-52 36.411	-084 54.321	10.2	267.0	4868	4846	8998.7	34090	34.090	05.528	371.3	
09/26/2005	269	17:00	-52 36.529	-084 58.761	10.8	267.1	4840	4840	8997.5	34085	35.867	05.585	371.3	
09/26/2005	269	17:15	-52 36.617	-085 03.028	10.6	269.0	4944	4875	8997.8	35872	34.094	05.570	372.3	
09/26/2005	269	17:30	-52 36.614	-085 07.320	10.6	270.9	4899	4881	8993.3	35934	34.106	05.502	372.5	
09/26/2005	269	17:45	-52 36.621	-085 11.561	10.5	270.9	4496	4519	9000.7	35951	34.098	05.536	372.4	
09/26/2005	269	18:00	-52 36.676	-085 15.776	10.2	268.7	4934	4917	8994.6	35862	35.862	05.493	372.6	
09/26/2005	269	18:15	-52 36.788	-085 19.913	10.1	268.2	5027	4932	8992.2	35845	34.107	05.440	371.7	
09/26/2005	269	18:30	-52 36.898	-085 24.167	10.6	268.0	4993	4945	8992.5	35830	35.832	05.420	371.9	
09/26/2005	269	18:45	-52 36.990	-085 28.619	10.8	265.6	0	4458	9002.0	35952	34.114	05.459	371.9	XBT probe hand launched, made it to 760 m
09/26/2005	269	19:00	-52 37.046	-085 32.457	09.9	266.6	3745	3716	9007.5	36165	34.117	05.488	370.7	
09/26/2005	269	19:15	-52 37.142	-085 36.531	09.4	266.3	4802	4821	9002.9	36004	34.115	05.504	371.0	
09/26/2005	269	19:30	-52 37.256	-085 40.428	09.9	265.1	4944	4945	8991.5	36064	34.111	05.506	370.8	
09/26/2005	269	19:45	-52 37.379	-085 44.462	09.7	267.9	4944	4945	8989.4	36088	34.120	05.539	370.9	
09/26/2005	269	20:00	-52 37.478	-085 48.338	09.8	266.2	4940	4944	8987.6	36252	34.120	05.533	371.3	
09/26/2005	269	20:15	-52 37.583	-085 52.531	09.6	267.8	4949	4949	8990.9	36151	34.122	05.539	371.2	
09/26/2005	269	20:30	-52 37.682	-085 56.299	09.6	266.9	4948	4955	8986.9	36340	34.118	05.533	371.2	
09/26/2005	269	20:45	-52 37.780	-086 00.266	09.6	267.4	4935	4935	8989.6	36319	34.114	05.554	371.3	
09/26/2005	269	21:00	-52 37.884	-086 04.174	09.6	266.8	4936	4943	8987.6	36223	34.117	05.559	371.5	
09/26/2005	269	21:15	-52 37.989	-086 08.300	11.4	268.5	4936	4940	9000.0	36247	34.120	05.560	371.4	
09/26/2005	269	21:30	-52 38.021	-086 12.608	10.2	268.7	4942	4935	8989.3	36271	34.111	05.558	371.3	

09/26/2005	269	21:45	-52 38.060	-086 16.589	10.6	269.1	4927	4944	8994.5	36352	34.105	05.540	370.7	Marcel off, Stuart on
09/26/2005	269	22:00	-52 38.118	-086 20.648	10.4	269.5	4903	4910	8996.7	36216	34.108	05.555	370.7	
09/26/2005	269	22:15	-52 38.234	-086 24.807	10.2	268.1	4892	4894	8998.4	36200	34.112	05.530	370.9	
09/26/2005	269	22:30	-52 38.362	-086 29.057	10.2	264.8	4891	4896	8999.0	36264	34.109	05.551	371.5	
09/26/2005	269	22:45	-52 38.485	-086 33.324	10.5	268.1	4882	4884	8998.0	36355	34.104	05.522	371.4	
09/26/2005	269	23:00	-52 38.609	-086 37.531	10.5	266.3	4874	4877	8996.6	36285	34.093	05.545	370.7	
09/26/2005	269	23:15	-52 38.780	-086 41.916	10.5	265.9	4861	4866	8998.7	36333	34.097	05.530	371.6	
09/26/2005	269	23:30	-52 38.899	-086 46.274	10.4	268.2	4853	4857	8998.9	36297	34.109	05.600	373.2	
09/26/2005	269	23:45	-52 38.985	-086 50.576	10.7	267.7	4845	4849	8996.4	36259	34.078	05.703	373.2	
09/27/2005	270	00:00	-52 39.109	-086 54.946	10.6	267.8	4843	4843	9002.1	36175	34.094	05.681	371.9	
09/27/2005	270	00:15	-52 39.185	-086 59.356	10.7	269.8	4837	4849	9001.5	36275	34.076	05.750	371.8	
09/27/2005	270	00:30	-52 39.246	-087 03.737	10.8	268.8	4829	4830	9001.7	36267	34.084	05.689	371.8	
09/27/2005	270	00:45	-52 39.312	-087 08.029	10.6	269.5	4848	4824	9001.7	36343	34.095	05.723	371.5	
09/27/2005	270	01:00	-52 39.345	-087 12.530	10.3	267.9	4848	4838	8999.8	36489	34.081	05.616	371.7	
09/27/2005	270	01:15	-52 39.432	-087 16.987	10.7	267.3	4839	4817	9001.0	36585	34.093	05.666	371.8	
09/27/2005	270	01:30	-52 39.561	-087 21.307	10.7	267.3	4805	4821	9000.9	37186	34.093	05.644	372.7	
09/27/2005	270	01:45	-52 39.643	-087 25.635	10.8	270.6	4797	4813	9001.1	36824	34.114	05.593	373.1	
09/27/2005	270	02:00	-52 39.716	-087 30.003	10.7	267.1	4812	4812	9003.1	36752	34.118	05.583	372.4	
09/27/2005	270	02:15	-52 39.832	-087 34.399	10.8	267.2	4797	4810	9002.3	37004	34.116	05.558	371.6	
09/27/2005	270	02:30	-52 39.927	-087 38.796	10.6	267.2	4804	4810	9005.2	36739	34.106	05.588	371.8	
09/27/2005	270	02:45	-52 40.038	-087 43.228	10.5	268.3	4836	4813	9004.6	36715	34.128	05.513	371.4	
09/27/2005	270	03:00	-52 40.163	-087 47.779	10.5	264.6								some electronic entries were lost when screensaver locked up after Rolly went to bed and before he had logged out. Mimi made an arbitrary decision to copy into this electronic log only the first few columns of the handwritten entries from Rolly's watch.
09/27/2005	270	03:15	-52 40.341	-087 52.033	10.6	266.8								
09/27/2005	270	03:30	-52 40.462	-087 56.704	10.8	269.2								
09/27/2005	270	03:45	-52 40.509	-088 01.090	10.8	269.9								
09/27/2005	270	04:00	-52 40.580	-088 05.243	10.4	267.5								
09/27/2005	270	04:15	-52 40.662	-088 09.936	10.9	267.2								
09/27/2005	270	04:30	-52 40.763	-088 13.948	10.3	266.4								
09/27/2005	270	04:45	-52 40.941	-088 18.604	10.4	268.2								
09/27/2005	270	05:00	-52 41.104	-088 23.249	10.7	269.0								
09/27/2005	270	05:15	-52 41.161	-088 27.751	10.8	266.8								
09/27/2005	270	05:30	-52 41.248	-088 32.113	10.4	267.1								
09/27/2005	270	05:45	-52 41.311	-088 36.161	10.9	269.1								
09/27/2005	270	06:00	-52 41.372	-088 40.033	10.8	268.2								
09/27/2005	270	06:15	-52 41.455	-088 44.475	10.5	266.4								
09/27/2005	270	06:30	-52 41.533	-088 48.938	10.9	268.5								
09/27/2005	270	06:45	-52 41.606	-088 53.456	10.8	269.3								
09/27/2005	270	07:00	-52 41.713	-088 57.617	10.7	266.8								
09/27/2005	270	07:15	-52 41.841	-089 02.045	10.8	267.6								
09/27/2005	270	07:30	-52 42.002	-089 06.777	10.8	266.4								
09/27/2005	270	07:45	-52 42.158	-089 10.742	10.6	265.9	4925	4952	9001.8	37748	34.138	05.590	373.3	
09/27/2005	270	08:00	-52 42.270	-089 14.531	10.7	266.6	4940	4966	9001.5	37501	34.131	05.611	372.8	
92/72/2005	270	08:15	-52 42.391	-089 19.476	10.2	268.0	4943	4954	9001.2	37255	34.148	05.615	375.0	
09/27/2005	270	08:30	-52 42.502	-089 23.739	10.4	267.2	4930	4952	9000.2	37188	34.141	05.638	373.3	
09/27/2005	270	08:45	-52 42.641	-089 28.118	10.7	265.6	4946	4944	9000.9	36589	34.132	05.637	371.8	
09/27/2005	270	09:00	-52 42.760	-089 32.498	10.8	267.3	4955	4952	9002.5	37256	34.130	05.659	371.0	
09/27/2005	270	09:15	-52 42.856	-089 36.821	10.5	266.4	4943	4949	9001.8	36600	34.124	05.693	370.6	
09/27/2005	270	09:30	-52 42.984	-089 41.138	10.3	267.5	4943	4950	9001.5	36247	34.127	05.662	370.4	
09/27/2005	270	09:45	-52 43.081	-089 45.349	10.5	267.6	4952	4949	9002.4	36901	34.123	05.655	370.4	
09/27/2005	270	10:00	-52 43.121	-089 49.359	10.5	269.6	4943	4951	9002.2	36709	34.123	05.653	369.7	
09/27/2005	270	10:15	-52 43.153	-089 53.815	10.3	269.5	4955	4905	9002.6	39947	34.124	05.685	370.3	
09/27/2005	270	10:30	-52 43.209	-089 58.218	10.2	269.9	4937	4950	9003.4	33419	34.140	05.656	370.4	
09/27/2005	270	10:45	-52 43.233	-090 02.326	10.4	269.9	4940	4943	9004.7	35940	34.160	05.578	372.6	
09/27/2005	270	11:00	-52 43.246	-090 06.817	10.0	270.9	4941	4939	9004.9	35347	34.159	05.562	372.7	

mimi on, roly off

09/27/2005	270	11:15	-52 43.317	-090 10.508	10.1	268.3	4938	4948	9004.4	37111	34.158	05.561	373.0		Lydia on, Mimi off
09/27/2005	270	11:30	-52 43.389	-090 14.886	10.2	269.3	4936	4935	9005.7	36534	34.158	05.563	373.0		
09/27/2005	270	11:45	-52 43.485	-090 18.897	10.2	267.0	4935	4940	9005.7	35104	34.160	05.578	373.3		
09/27/2005	270	12:00	-52 43.650	-090 22.956	10.0	266.6	4937	4941	9006.2	31178	34.158	05.575	372.7		
09/27/2005	270	12:15	-52 43.825	-090 27.505	10.3	266.0	4935	5385	9005.9	36686	34.158	05.406	372.4		
09/27/2005	270	12:30	-52 43.964	-090 31.436	09.8	266.9	4931	4995	9005.8	37506	34.159	05.438	372.6		
09/27/2005	270	12:45	-52 44.097	-090 35.541	10.4	268.4	4938	4942	9003.6	41595	34.162	05.434	373.1		
09/27/2005	270	13:00	-52 44.192	-090 39.668	10.4	267.7	4940	4944	9002.8	37568	34.164	05.448	373.1		
09/27/2005	270	13:15	-52 44.283	-090 43.788	10.4	267.9	4942	4946	9002.6	37573	34.163	05.421	372.6		
09/27/2005	270	13:30	-52 44.388	-090 48.123	09.9	267.7	4944	4932	9002.6	37613	34.165	05.441	372.7		
09/27/2005	270	13:45	-52 44.487	-090 52.106	09.6	267.0	4993	4950	9002.6	37741	34.161	05.431	373.9		
09/27/2005	270	14:00	-52 44.569	-090 56.184	10.3	269.6	4972	4398	9003.3	37791	34.162	05.439	372.8		
09/27/2005	270	14:15	-52 44.670	-091 00.193	09.8	267.6	4948	5135	9000.8	37814	34.157	05.494	372.5		
09/27/2005	270	14:30	-52 44.823	-091 04.302	09.4	266.9	4957	5809	9000.8	37945	34.150	05.506	372.5		
09/27/2005	270	14:45	-52 44.987	-091 08.269	09.9	265.6	4963	4958	9002.2	38047	34.151	05.497	372.5		
09/27/2005	270	15:00	-52 45.146	-091 12.273	09.8	266.8	4954	4960	9003.0	38029	34.158	05.470	371.2		
09/27/2005	270	15:15	-52 45.151	-091 16.270	09.4	271.3	4955	4961	9003.9	37901	34.147	05.533	371.7		
09/27/2005	270	15:30	-52 45.241	-091 20.113	08.9	268.3	4959	4963	9001.2	37793	34.142	05.531	369.6		
09/27/2005	270	15:45	-52 45.327	-091 24.054	09.4	267.9	4961	4965	8998.2	37804	34.153	05.577	368.9		
09/27/2005	270	16:00	-52 45.366	-091 27.981	09.3	269.0	4963	4965	8997.4	37928	34.160	05.588	371.2		
09/27/2005	270	16:15	-52 45.450	-091 31.800	09.7	266.7	4962	5762	8997.2	38080	34.143	05.560	371.2		
09/27/2005	270	16:30	-52 45.545	-091 35.528	08.7	265.2	4964	4969	8998.7	38164	34.155	05.569	370.7		
09/27/2005	270	16:45	-52 45.666	-091 39.153	09.1	267.2	4963	4964	9001.5	38183	34.151	05.759	371.2		
09/27/2005	270	17:00	-52 45.742	-091 42.941	08.3	270.5	0	4957	9000.7	38218	34.147	05.556	370.1		Marcel on, Lydia off
09/27/2005	270	17:15	-52 45.720	-091 46.622	08.3	270.2	4921	5829	9003.4	32053	34.162	05.508	370.7		Maggie data wrong
09/27/2005	270	17:30	-52 45.707	-091 50.094	05.3	263.5	4981	4987	9000.1	31998	34.148	05.556	371.0		Maggie offline / cleaned and brought back online, data still bad.
09/27/2005	270	17:45	-52 45.811	-091 52.693	08.0	269.5	5141	4973	8999.7	NA	34.152	05.545	370.6		
09/27/2005	270	18:00	-52 45.902	-091 55.806	06.5	271.6	4950	4958	8998.0	31590	34.149	05.525	370.6		
09/27/2005	270	18:15	-52 45.978	-091 58.288	06.0	258.9	0	6080	8996.0	30899	34.149	05.530	370.8		
09/27/2005	270	18:30	-52 46.041	-092 00.996	06.5	266.2	5011	5028	8994.1	35210	34.156	05.530	371.5		Maggie offline
09/27/2005	270	18:45	-52 46.108	-092 03.723	07.4	266.6	5033	5035	8994.3	NA	34.162	05.524	372.9		Bad Maggie data, testing Maggie offline
09/27/2005	270	19:00	-52 46.189	-092 06.428	07.3	268.3	4998	5840	8995.4	NA	34.159	05.504	372.9		
09/27/2005	270	19:15	-52 46.281	-092 09.291	05.1	275.5	5005	6184	9000.3	NA	34.162	05.602	373.0		
09/27/2005	270	19:30	-52 46.396	-092 12.309	07.6	264.5	4998	5007	9000.2	NA	34.165	05.814	373.6		
09/27/2005	270	19:45	-52 46.455	-092 15.302	07.2	270.9	4995	5904	9000.5	31779	34.164	05.627	372.5		
09/27/2005	270	20:00	-52 46.520	-092 18.425	07.8	268.6	4991	5856	8998.9	NA	34.161	05.643	371.8		
09/27/2005	270	20:15	-52 46.640	-092 21.474	07.4	266.0	4993	5002	8994.1	NA	34.161	05.674	371.9		
09/27/2005	270	20:30	-52 46.742	-092 25.832	06.8	273.1	5634	5257	8996.2	NA	34.164	05.645	372.7		
09/27/2005	270	20:45	-52 46.744	-092 27.431	06.8	271.9	4985	5943	8996.2	NA	34.168	05.598	373.9		
09/27/2005	270	21:00	-52 46.757	-092 30.547	07.7	272.4	4984	6054	8998.3	NA	34.164	05.490	372.1		
09/27/2005	270	21:15	-52 46.711	-092 33.769	08.3	266.3	5031	4986	8995.4	NA	34.157	05.628	375.1		
09/27/2005	270	21:30	-52 46.815	-092 37.023	07.2	266.4	4977	4982	8998.1	NA	34.161	05.654	373.1		
09/27/2005	270	21:45	-52 46.914	-092 39.961	07.4	268.1	4975	4965	8995.0	NA	34.162	05.644	372.2		
09/27/2005	270	22:00	-52 47.029	-092 43.239	08.0	268.2	4994	4980	8995.4	NA	34.168	05.532	373.3	Marcel off, Stuart on	
09/27/2005	270	22:15	-52 46.978	-092 45.627	04.1	277.9	4976	5838	8981.8	NA	34.164	05.597	374.5		
09/27/2005	270	22:30	-52 46.938	-092 47.506	05.0	283.2	4978	4515	8983.0	NA	34.169	05.542	373.9		
09/27/2005	270	22:45	-52 46.819	-092 49.541	06.3	271.1	4978	5487	8979.9	NA	34.167	05.666	375.1		
09/27/2005	270	23:00	-52 46.802	-092 51.913	05.5	268.4	4980	4980	8986.7	NA	34.163	05.661	375.1		
09/27/2005	270	23:15	-52 46.952	-092 54.253	05.9	262.4	4980	4963	8984.5	NA	34.166	05.635	371.9		
09/27/2005	270	23:30	-52 47.125	-092 56.459	05.3	257.5	4981	4985	8981.5	NA	34.161	05.658	372.8		
09/27/2005	270	23:45	-52 47.300	-092 58.521	05.4	264.6	4981	4986	8986.3	NA	34.164	05.654	372.4		
09/28/2005	271	00:00	-52 47.492	-092 00.687	05.1	259.5	4982	4987	8983.6	NA	34.163	05.666	372.6		
09/28/2005	271	00:15	-52 47.753	-093 02.837	05.1	257.0	4988	4990	8979.7	NA	34.160	05.660	372.4		
09/28/2005	271	00:30	-52 48.043	-093 04.991	04.7	253.7	4985	4990	8983.1	NA	34.161	05.702	372.4		

09/28/2005	271	00:45	-52 48.329	-093 07.118	05.4	257.1	4985	NA	8982.5	38565	34.159	05.724	370.2	Mag back on; Multibeam having problems
09/28/2005	271	01:00	-52 48.808	-093 09.967	06.4	252.6	4988	NA	8997.1	38583	34.160	05.712	370.1	
09/28/2005	271	01:15	-52 49.225	-093 12.628	06.4	260.6	5000	NA	8995.3	38578	34.158	05.707	369.9	
09/28/2005	271	01:30	-52 49.409	-093 15.352	07.2	265.4	4883	NA	9000.3	38557	34.161	05.665	371.1	
09/28/2005	271	01:45	-52 49.605	-093 18.288	07.0	262.1	4560	NA	9004.8	38549	34.160	05.639	372.7	
09/28/2005	271	02:00	-52 49.736	-093 21.020	06.6	268.8	4553	NA	9009.2	38561	34.170	05.598	374.6	
09/28/2005	271	02:15	-52 49.764	-093 23.808	06.7	266.7	4604	NA	9008.7	38575	34.177	05.601	374.6	
09/28/2005	271	02:30	-52 49.859	-093 26.704	07.1	267.9	4693	NA	9005.3	38583	34.169	05.643	375.0	
09/28/2005	271	02:45	-52 49.917	-093 29.691	06.9	270.5	5019	NA	9004.6	38641	34.170	05.621	374.5	
09/28/2005	271	03:00	-52 49.896	-093 32.397	06.8	270.2	4928	5028	9003.7	38627	34.175	05.544	376.3	Stuart out, Rolly in
09/28/2005	271	03:15	-52 49.861	-093 36.228	07.1	261.5	4917	4932	9003.8	38617	34.175	05.569	376.0	
09/28/2005	271	03:30	-52 50.014	-093 38.483	07.4	257.2	4854	4882	9002.4	38600	34.172	05.572	376.2	
09/28/2005	271	03:45	-52 50.571	-093 41.645	08.5	251.8	4869	5419	9009.7	38599	34.172	05.492	375.9	
09/28/2005	271	04:00	-52 51.275	-093 44.698	08.6	251.2	4951	5419	9014.3	38629	34.169	05.472	375.9	
09/28/2005	271	04:15	-52 51.721	-093 47.977	08.5	279.2	4974	5419	9016.7	38692	34.169	05.419	373.9	
09/28/2005	271	04:30	-52 51.721	-093 50.611	08.4	297.4	4966	5419	9021.8	38781	34.171	05.421	375.5	
09/28/2005	271	04:45	-52 50.345	-093 55.617	08.3	250.3	3423	5395	9042.8	39071	34.165	05.465	374.3	
09/28/2005	271	05:00	-52 51.097	-093 58.212	08.0	245.6	3166	5161	9061.9	39110	34.165	05.430	374.0	
09/28/2005	271	05:15	-52 51.312	-094 01.843	08.1	271.0	3119	6044	9066.3	39043	34.166	05.419	575.3	rolly off mimi on
09/28/2005	271	05:30	-52 51.246	-094 04.553	08.0	274.7	3802	3537	9053.5	38928	34.164	05.405	375.3	
09/28/2005	271	05:45	-52 51.156	-094 07.897	08.4	268.0	4576	4576	9034.5	38921	34.172	05.533	375.1	
09/28/2005	271	06:00	-52 51.199	-094 11.445	08.5	268.0	4839	5070	9021.1	38980	34.172	05.547	374.0	
09/28/2005	271	06:15	-52 51.327	-094 14.515	07.5	262.1	4913	4924	7731.9	39038	34.172	05.515	373.1	
09/28/2005	271	06:30	-52 51.535	-094 17.943	08.3	265.7	4863	4867	9013.5	39065	34.170	05.454	374.7	
09/28/2005	271	06:45	-52 51.740	-094 21.604	08.6	265.1	4771	4860	9019.3	39058	34.168	05.460	374.2	
09/28/2005	271	07:00	-52 51.875	-094 24.025	08.5	266.6	4707	4707	9021.9	39098	34.169	05.461	374.0	
09/28/2005	271	07:15	-52 52.115	-094 28.600	08.9	264.9	4642	4648	9024.2	39077	34.169	05.470	374.0	
09/28/2005	271	07:30	-52 52.360	-094 32.495	09.0	264.7	4562	4531	9024.5	39052	34.169	05.559	373.8	Mimi off, Lydia on
09/28/2005	271	07:45	52 52.583	-094 35.203	08.8	263.5	4511	5009	9022.9	38987	34.172	05.775	373.1	
09/28/2005	271	08:00	-52 52.815	-094 39.348	08.8	266.6	4509	4487	9024.8	38934	34.176	05.760	374.0	
09/28/2005	271	08:15	-52 52.759	-094 42.880	09.2	280.2	4519	4514	9018.2	38881	34.175	05.757	374.2	
09/28/2005	271	08:30	-52 51.890	-094 46.273	08.8	299.8	4590	4591	9011.2	38968	34.172	05.758	373.9	
09/28/2005	271	08:45	-52 50.700	-094 49.493	08.9	300.0	4480	4478	9007.4	39037	34.171	05.755	373.7	
09/28/2005	271	09:00	-52 49.532	-094 52.632	09.2	302.2	4509	4713	9009.1	38989	34.174	05.757	372.5	
09/28/2005	271	09:15	-52 48.387	-094 55.748	08.9	299.1	4396	4388	9006.3	38979	34.172	05.749	372.8	
09/28/2005	271	09:30	-52 47.299	-094 58.722	09.4	300.1	4581	4696	9005.8	39008	34.178	05.730	374.4	
09/28/2005	271	09:45	-52 46.020	-095 01.996	09.7	306.1	4370	4586	9002.3	38998	34.179	05.717	375.1	
09/28/2005	271	10:00	-52 44.492	-095 05.590	09.9	306.5	4470	4567	9003.4	38994	34.178	05.723	374.9	
09/28/2005	271	10:15	-52 43.139	-095 08.814	10.1	304.5	4671	4682	9002.0	38967	34.179	05.800	374.5	
09/28/2005	271	10:30	-52 41.711	-095 12.172	10.1	305.0	4667	4634	8994.4	39074	34.180	05.802	374.5	
09/28/2005	271	10:45	-52 40.243	-095 15.603	10.2	305.9	4503	4568	8993.6	39207	34.183	05.506	376.2	
09/28/2005	271	11:00	-52 38.875	-095 18.898	10.1	305.3	4814	4816	8989.5	39311	34.182	05.510	375.5	
09/28/2005	271	11:15	-52 37.458	-095 22.486	10.4	293.1	4762	4773	8989.8	39348	34.182	05.508	375.5	
09/28/2005	271	11:30	-52 36.380	-095 26.443	09.2	292.9	4768	4793	8991.0	39385	34.179	05.500	375.0	
09/28/2005	271	11:45	-52 35.484	-095 29.754	09.4	296.2	4863	4910	8989.7	39284	34.178	05.504	374.8	
09/28/2005	271	12:00	-52 34.425	-095 33.143	09.2	295.8	4644	4682	8985.6	39104	34.180	05.521	375.0	
09/28/2005	271	12:15	-52 33.195	-95 36.335	09.1	304.1	4620	4619	8984.3	39158	34.183	05.734	554.6	
09/28/2005	271	12:30	-52 31.824	-095 39.593	09.5	302.4	4634	4650	8985.9	39426	34.181	05.526	375.5	
09/28/2005	271	12:45	-52 30.434	-095 42.696	09.5	304.7	4319	4377	8986.0	39480	34.182	05.510	375.4	
09/28/2005	271	13:00	-52 29.158	-095 45.780	09.5	305.1	4514	4508	8985.0	39519	34.183	05.566	375.5	
09/28/2005	271	13:15	-52 27.807	-095 49.038	09.6	304.7	4511	4503	8981.8	39522	34.188	05.587	376.1	
09/28/2005	271	13:30	-52 26.410	-095 52.151	09.5	305.4	4564	4560	8981.2	39408	34.186	05.637	374.8	
09/28/2005	271	13:45	-52 25.046	-095 55.258	09.4	305.4	4600	5043	8976.0	39264	34.188	05.671	374.8	
09/28/2005	271	14:00	-52 23.737	-095 58.699	09.4	302.3	4588	4598	8673.6	39311	34.193	05.658	375.1	

09/28/2005	271	14:15	-52 22.438	-096 01.721	09.5	302.2	4653	4648	8970.6	39144	34.192	05.684	375.1		
09/28/2005	271	14:30	-52 21.164	-096 04.893	09.4	303.9	4650	4796	8970.2	39076	34.188	04.623	374.2		
09/28/2005	271	14:45	-52 19.747	-096 08.030	09.4	306.7	4643	4653	8965.6	39137	34.188	05.582	374.6		
09/28/2005	271	15:00	-52 18.486	-096 11.248	09.4	305.0	4587	5001	8967.3	39392	34.185	05.628	375.7		
09/28/2005	271	15:15	-52 17.445	-096 14.633	09.1	295.4	4570	4565	8968.6	39423	34.185	05.730	375.2		
09/28/2005	271	15:30	-52 16.530	-096 18.079	09.1	287.0	4550	4604	8967.0	39230	34.185	05.767	375.2		
09/28/2005	271	15:45	-52 15.773	-096 21.677	09.5	288.8	0	4271	8971.7	39136	34.191	05.755	372.4		
09/28/2005	271	16:00	-52 15.023	-096 25.239	09.1	288.8	4506	4500	8969.1	39121	34.191	05.751	374.5		
09/28/2005	271	16:15	-52 14.116	-096 28.651	08.4	300.7	4517	4944	8964.1	39143	34.192	05.766	373.6		
09/28/2005	271	16:30	-52 12.860	-096 31.681	05.9	298.4	4999	4715	8962.1	39141	34.196	05.761	373.4		
09/28/2005	271	16:45	-52 12.082	-096 33.531	08.1	313.0	4501	4795	8944.2	39139	34.197	05.762	372.9		
09/28/2005	271	17:00	-52 10.548	-096 36.075	09.3	301.5	4518	4538	8948.3	39122	34.194	05.761	372.6		
09/28/2005	271	17:15	-52 10.121	-096 39.430	09.8	236.7	4579	4569	8965.5	39110	34.194	05.776	372.6		boat turns ~60 deg to next way point
09/28/2005	271	17:30	-52 11.523	096 42.793	09.8	234.3	4501	4455	8966.3	39176	34.193	05.794	374.7		
09/28/2005	271	17:45	-52 12.937	-096 46.047	10.0	235.0	4354	4827	8971.1	39265	34.194	05.771	371.8		
09/28/2005	271	18:00	-52 14.514	-096 49.086	09.9	226.0	4350	4699	8971.7	39290	34.192	05.773	371.7		Lydia off, Marcel on
09/28/2005	271	18:15	-52 14.615	-096 52.429	08.8	291.8	4344	4872	8981.7	39314	34.191	05.771	371.4		
09/28/2005	271	18:30	-52 13.452	-096 54.776	06.8	324.1	4326	4875	8950.0	39369	34.190	05.786	370.8		
09/28/2005	271	18:45	-52 12.193	-096 56.537	07.4	318.9	4345	4334	8948.6	39536	34.190	05.792	370.8		
09/28/2005	271	19:00	-52 10.893	-096 58.274	06.5	315.7	0	5764	8945.9	39692	34.187	05.785	371.3		
09/28/2005	271	19:15	-52 09.541	-096 59.479	07.3	336.5	4378	5872	8939.9	39750	34.185	05.786	372.0		
09/28/2005	271	19:30	-52 08.186	-097 00.606	06.5	372.1	4555	5937	8934.7	39663	34.182	05.794	372.1		
09/28/2005	271	19:45	-52 06.791	-097 01.701	06.1	372.5	0	5374	8932.8	39485	34.187	05.801	372.6		
09/28/2005	271	20:00	-52 05.536	-097 02.678	06.5	336.5	0	5526	8930.4	39369	34.181	05.787	371.9		
09/28/2005	271	20:15	-52 04.221	-097 03.717	05.0	338.2	4832	5544	8923.1	39307	34.179	05.797	371.1		
09/28/2005	271	20:30	-52 03.023	097 04.828	05.8	303.6	0	5469	8925.6	39285	34.180	05.789	371.1		
09/28/2005	271	20:45	-52 02.205	-097 06.935	07.2	288.0	0	5450	8942.6	39300	34.184	05.793	371.2		
09/28/2005	271	21:00	-52 01.604	-097 09.387	06.6	292.0	4700	5378	8449.7	39337	34.182	05.803	371.1		
09/28/2005	271	21:15	-52 00.969	-097 11.855	06.9	297.0	4703	5393	8941.4	39360	34.185	05.818	371.6		
09/28/2005	271	21:30	-52 00.303	-097 14.298	07.0	288.6	0	4640	8942.7	39373	34.185	05.815	371.2		
09/28/2005	271	21:45	-52 00.082	-097 17.178	07.7	260.0	4529	4522	8959.3	39374	34.190	05.808	371.3		
09/28/2005	271	22:00	-52 00.241	-097 20.216	07.6	279.2	4612	4825	8952.1	39370	34.189	05.805	371.2		
09/28/2005	271	22:15	-51 59.968	-097 23.098	07.3	277.9	0	4547	8953.9	39367	34.189	05.819	371.2		
09/28/2005	271	22:30	-51 59.651	-097 25.986	07.0	281.0	0	4793	8955.4	39350	34.192	05.808	372.2		
09/28/2005	271	22:45	-51 59.268	-097 28.702	07.3	280.2	4652	4630	8946.7	39393	34.191	05.812	373.7		
09/28/2005	271	23:00	-51 58.814	-097 31.542	07.2	285.9	4530	4546	8949.4	39454	34.189	05.791	372.1	Marcel off, Stuart on	
09/28/2005	271	23:15	-51 58.330	-097 34.382	07.3	288.9	4805	4513	8948.1	39455	34.182	05.768	371.7		
09/28/2005	271	23:30	-51 57.870	-097 37.192	07.3	285.0	4533	4932	8951.1	39436	34.183	05.778	371.3		
09/28/2005	271	23:45	-51 57.292	-097 39.893	06.8	291.2	4560	5637	8943.6	39452	34.183	05.784	371.3		
09/29/2005	272	00:00	-51 56.601	-097 42.497	07.1	289.8	4606	5006	8939.2	39488	34.182	05.794	371.0		
09/29/2005	272	00:15	-51 56.837	-097 45.873	07.8	256.4	4504	6212	8948.2	39509	34.183	05.792	371.3		
09/29/2005	272	00:30	-51 57.217	-097 48.609	08.2	258.1	4246	4338	8950.1	39562	34.179	05.793	371.1		
09/29/2005	272	00:45	-51 57.624	-097 51.748	08.0	258.5	4253	5126	8952.3	39719	34.812	05.784	370.9		
09/29/2005	272	01:00	-51 58.013	-097 54.864	07.9	255.6	4595	4585	8947.9	39828	34.181	05.788	370.7		
09/29/2005	272	01:15	-51 58.402	-097 58.034	08.0	257.2	4646	4712	8942.6	39775	34.178	05.797	370.6		
09/29/2005	272	01:30	-51 58.774	-098 01.294	08.2	260.9	4692	4742	8940.7	39691	34.180	05.818	370.6	about 1:33 medical emergency on bridge	
09/29/2005	272	01:45	-51 58.943	-098 04.138	04.2	275.7	5305	5304	8929.6	39635	34.182	05.819	371.2		
09/29/2005	272													1:46 slowing and turning back east	
09/29/2005	272													1:50 pulling in maggie	
09/29/2005	272													2:20 accelerating	
09/29/2005	272														
09/29/2005	272	01:46	-52 00.112	-097 57.650	10.9	099.4	4656	4676	8846.1		34.180	05.777	370.8		
09/29/2005	272	02:46	-52 01.304	-097 53.896	07.8	163.9	4640		8874.9		34.181	05.795	371.3	hew heading, 8 knots (off course)	
09/29/2005	272	03:04	-52 03.488	-097 52.855	08.6	164.1	4635	4581	8894.2		34.184	05.797	371.3	awaiting new waypoint	

09/29/2005	272	03:15	-52 04.915	-097 51.964	08.9	149.5	4539	5137	8890.1		34.189	05.811	371.3		changing to a slightly different course
09/29/2005	272														
09/29/2005	272	04:45	-52 11.862	-097 31.962	13.6	092.8	4173	4182	8859.4	39631	34.195	05.834	371.5		restarting watch log Rolly on
09/29/2005	272	05:00	-52 12.027	-097 31.962	13.9	090.5	4508	4512	8859.4	39631	34.202	05.806	373.7		
09/29/2005	272	05:15	-52 12.071	-097 20.790	13.4	092.3	4560	4572	8859.5	39631	34.195	05.765	374.9		mag
09/29/2005	272	05:30	-52 12.157	-097 15.235	14.0	094.3	4678	5226	8855.5	39631	34.187	05.803	374.1		net
09/29/2005	272	05:45	-52 12.254	-097 09.750	13.8	091.8	4666	5157	8854.8	39631	34.195	05.783	373.1		om
09/29/2005	272	06:00	-52 12.282	-097 04.155	14.0	091.8	4539	4503	8859.7	39631	34.189	05.991	373.7		eter
09/29/2005	272	06:15	-52 12.526	-096 58.624	13.8	092.0	4397	4387	8863.1	39631	34.189	05.788	373.6		is
09/29/2005	272	06:30	-52 12.656	-096 52.447	13.9	092.2	4328	4317	8866.8	39631	34.187	05.788	373.1		not
09/29/2005	272	06:45	-52 12.725	-096 46.146	13.6	090.8	4392	4365	8866.5	39631	34.190	05.771	373.1		actu
09/29/2005	272	07:00	-52 12.766	-096 41.711	13.8	091.1	4384	4375	8867.5	39631	34.190	05.773	373.3		ally
09/29/2005	272	07:15	-52 12.884	-096 34.781	14.0	092.2	4548	4587	8864.0	39631	34.193	05.750	374.0		op
09/29/2005	272	07:30	-52 13.035	-096 31.000	13.7	091.7	4489	4480	8866.0	39631	34.195	05.760	375.5		er
09/29/2005	272	07:45	-52 13.306	-096 25.434	13.8	094.3	0	4535	8862.8	39631	34.197	05.750	375.4		at
09/29/2005	272	08:00	-52 13.592	-096 19.831	14.0	095.5	4570	4583	8858.1	39631	34.193	05.748	375.4		ing
09/29/2005	272	08:15	-52 13.661	-096 12.724	13.2	091.5	4608	4606	8859.7	39631	34.189	05.757	374.3		
09/29/2005	272	08:30	-52 13.649	-096 08.357	13.6	089.5	4535	4545	8858.0	39631	05.758	05.757	374.8		rolly off
09/29/2005	272	08:45	-52 13.695	-096 03.337	13.8	090.9	4652	4678	8854.0	39631	34.189	05.747	374.9		mimi on
09/29/2005	272	09:00	-52 13.809	-095 57.860	13.6	092.3	4726	4745	8849.5		34.190	05.660	374.1		
09/29/2005	272	09:15	-52 13.965	-095 52.552	12.4	092.4	4751	4751	8854.4		34.189	05.692	375.7		
09/29/2005	272	09:30	-52 14.094	-095 47.459	13.5	093.0	4750	4787	8850.9		34.192	05.602	375.7		
09/29/2005	272	09:45	-52 14.238	-095 42.412	11.8	093.2	4702	4757	8854.1		34.169	05.653	375.7		
09/29/2005	272	10:00	-52 14.274	-095 37.180	13.7	091.6	4062	4010	8865.8		34.168	05.714	372.6		
09/29/2005	272	10:15	-52 14.305	-095 31.624	13.4	092.5	4044	3912	8877.3		34.169	05.655	370.9		
09/29/2005	272	10:30	-52 14.398	-095 26.320	13.4	091.1	4756	4751	8859.5		34.166	05.635	372.1		
09/29/2005	272	10:45	-52 14.551	-095 20.310	13.8	092.7	4836	4837	8851.6		34.171	05.636	372.0		
09/29/2005	272	11:00	-52 14.721	-095 14.837	13.6	093.1	4768	4785	8852.4		34.161	05.641	371.8		
09/29/2005	272	11:15	-52 14.843	-095 09.266	13.7	091.0	4250	4241	8860.2		34.167	05.654	371.6		
09/29/2005	272	11:30	-52 14.961	-095 04.019	13.3	090.8	4579	4568	8861.8		34.167	05.656	371.6		
09/29/2005	272	11:45	-52 15.069	-094 58.388	13.6	091.8	4776	4782	8856.3		34.170	05.644	372.7		
09/29/2005	272	12:00	-52 15.159	-094 53.078	13.5	091.2	4720	4692	8855.6		34.170	05.636	373.0		
09/29/2005	272	12:15	-52 15.268	-094 47.242	13.5	092.4	4751	4748	8858.7		34.160	05.644	372.0		
09/29/2005	272	12:30	-52 15.383	-094 41.656	13.8	092.1	4764	4794	8857.6		34.160	05.639	371.9		
09/29/2005	272	12:45	-52 15.512	-094 36.160	13.5	092.5	4823	4808	8859.0		34.170	05.630	372.4		
09/29/2005	272	13:00	-52 15.631	-094 30.586	13.5	092.9	4776	4790	8857.9		34.168	05.628	372.4		
09/29/2005	272	13:15	-52 15.811	-094 25.212	13.4	095.0	4731	4672	8858.9		34.171	05.627	372.3		mimi off, lydia on, maggie still NA
09/29/2005	272	13:30	-05 16.040	-094 19.608	13.6	094.1	4862	5068	8858.8		34.173	05.620	373.2		
09/29/2005	272	13:45	-52 16.109	-094 14.011	14.0	092.0	5022	5025	8858.0		34.174	05.616	373.5		
09/29/2005	272	14:00	-52 16.153	-094 08.421	13.8	091.0	4887	4888	8857.9		34.173	05.631	373.4		
09/29/2005	272	14:15	-52 16.216	-094 02.297	13.7	093.0	4882	4871	8857.6		34.178	05.619	374.0		
09/29/2005	272	14:30	-52 16.342	-093 57.260	13.2	093.9	4869	4867	8857.7		34.177	05.617	374.3		
09/29/2005	272	14:45	-52 16.582	-093 51.719	13.6	094.6	4993	5797	8855.6		34.178	05.622	374.3		
09/29/2005	272	15:00	-52 16.852	-093 46.151	14.2	094.4	4997	4983	8854.5		34.176	05.600	374.0		
09/29/2005	272	15:15	-52 17.067	-093 40.560	13.7	092.4	4964	5728	8856.2		34.162	05.622	373.4		
09/29/2005	272	15:30	-52 17.254	-093 35.032	13.8	092.0	5007	5015	8852.9		34.162	05.624	372.8		
09/29/2005	272	15:45	-52 17.269	-093 29.425	13.9	090.3	5005	5009	8853.1		34.161	05.633	371.9		
09/29/2005	272	16:00	-52 17.236	-093 23.655	13.7	089.4	5003	5006	8854.4		34.162	05.785	372.2		
09/29/2005	272	16:15	-52 17.156	-093 18.017	14.1	088.5	5001	5006	8851.4		34.156	05.773	372.2		
09/29/2005	272	16:30	-52 17.095	-093 12.394	14.2	088.8	4999	5000	8853.8		34.161	05.772	372.2		
09/29/2005	272	16:45	-52 17.045	-093 06.787	14.1	088.8	4992	4995	8853.1		34.153	05.737	369.9		
09/29/2005	272	17:00	-52 16.992	-093 01.158	14.2	089.2	4990	5906	8849.9		34.154	05.658	368.8		
09/29/2005	272	17:15	-52 16.912	-092 55.441	14.1	088.3	4984	4988	8847.6		34.152	05.634	369.9		

09/29/2005	272	17:30	-52 16.828	-092 49.721	13.9	088.6	4979	4981	8846.7	34.151	05.652	370.0	
09/29/2005	272	17:45	-52 16.758	-092 44.122	14.1	088.2	4973	4974	8846.6	34.153	05.662	369.7	
09/29/2005	272	18:00	-52 16.700	-092 38.645	14.2	089.3	4968	4971	8850.3	34.157	05.631	369.7	
09/29/2005	272	18:15	-52 16.807	-092 32.499	13.7	091.8	4955	4962	8855.2	34.157	05.629	370.3	Stuart covering for Marcel
09/29/2005	272	18:30	-52 16.895	-092 27.095	13.9	091.5	4979	4955	8856.6	34.154	05.691	370.6	Stuart covering for Marcel; course changing to 124, speed down to 10.5 knots
09/29/2005	272	18:45	-52 18.421	-092 23.312	12.0	126.4	4938	4941	8879.9	34.160	05.727	370.9	Stuart covering for Marcel
09/29/2005	272	19:00	-52 20.322	-092 18.874	12.3	125.2	4928	4928	8876.9	34.163	05.625	371.4	Stuart covering; 19:04 changed course to 94
09/29/2005	272	19:15	-52 20.904	-092 13.932	13.9	094.2	4932	4936	8861.2	34.157	05.605	372.2	Stuart covering for Marcel
09/29/2005	272	19:30	-52 21.208	-092 08.446	13.7	095.4	4949	4943	8858.8	34.164	05.582	372.6	Stuart covering for Marcel
09/29/2005	272	19:45	-52 21.499	-092 02.354	14.0	095.2	4941	4942	8861.2	34.136	05.580		
09/29/2005	272	20:00	-52 21.662	-091 57.123	14.2	090.5	5003	4950	8861.1	34.135	05.579	368.7	
09/29/2005	272	20:15	-52 21.748	-091 51.252	13.4	091.1	4950	4952	8862.4	34.135	05.579	368.8	
09/29/2005	272	20:30	52 21.884	-091 46.017	13.8	092.4	4948	4957	8860.4	34.135	05.579	368.7	
09/29/2005	272	20:45	-52 22.022	-091 40.388	14.1	090.7	4946	4949	8860.1	34.135	05.579	368.6	
09/29/2005	272	21:00	-52 22.063	-091 34.210	14.0	090.7	4941	4945	8859.1	34.135	05.579	369.1	
09/29/2005	272	21:15	-52 22.085	-091 29.041	14.0	089.7	4934	4936	8859.1	34.135	05.579	369.3	
09/29/2005	272	21:30	-52 22.095	-091 23.219	14.0	089.7	4932	4932	8860.8	34.135	05.579	368.2	
09/29/2005	272	21:45	-52 22.076	-091 17.669	13.5	089.1	4927	4932	8861.0	34.135	05.579	368.3	
09/29/2005	272	22:00	-52 22.011	-091 11.991	14.0	089.9	4920	4923	8863.1	NA	NA	368.1	
09/29/2005	272	22:15	-52 21.930	-091 06.442	14.1	089.0	4920	4920	8863.6	NA	NA	368.1	
09/29/2005	272	22:30	-52 21.815	-091 00.480	13.6	088.4	4914	4916	8862.7	NA	NA	368.4	
09/29/2005	272	22:45	-52 21.687	-090 55.433	13.6	088.3	4915	4917	8863.8	NA	NA	369.3	
09/29/2005	272	23:00	-52 21.589	-090 49.549	13.9	089.0	4988	4917	8861.0	NA	NA	369.3	
09/29/2005	272	23:15	-52 21.492	-090 44.088	13.9	087.9	4909	4912	8861.7	NA	NA	372.3	
09/29/2005	272	23:30	-52 21.456	-090 38.614	13.7	088.4	4908	4910	8861.3	NA	NA	372.4	
09/29/2005	272	23:45	-52 21.392	-090 33.072	13.4	089.1	4901	4887	8862.6	NA	NA	373.3	
09/30/2005	273	00:00	-52 21.340	-090 27.563	13.8	088.4	4900	4900	8863.5	NA	NA	373.3	
09/30/2005	273	00:15	-52 21.270	-090 21.969	13.7	089.3	4896	4897	8863.8	NA	NA	373.0	
09/30/2005	273	00:30	-52 21.205	-090 16.418	14.3	088.8	4893	4896	8859.5	NA	NA	372.9	
09/30/2005	273	00:45	-52 21.178	-090 10.750	14.1	091.2	4889	4891	8860.3	NA	NA	372.9	
09/30/2005	273	01:00	-52 21.206	-090 05.116	14.2	090.1	4880	4882	8860.6	NA	NA	373.2	
09/30/2005	273	01:15	-52 21.232	-089 59.377	14.1	090.9	4896	4898	8860.9	NA	NA	373.3	
09/30/2005	273	01:30	-52 21.266	-089 53.716	14.2	091.0	4901	1903	8858.6	NA	NA	373.0	
09/30/2005	273	01:45	-52 21.248	-089 47.964	14.0	088.9	4912	4914	8859.4	NA	NA	373.5	
09/30/2005	273	02:00	-52 21.219	-089 42.347	14.0	088.9	4916	4916	8857.6	NA	NA	372.9	
09/30/2005	273	02:15	-52 21.194	-089 36.576	13.8	088.7	4908	4911	8859.0	NA	NA	372.9	
09/30/2005	273	02:30	-52 21.180	-089 31.026	13.4	088.8	4916	4912	8858.0	NA	NA	372.4	2:21 TSG back on; transceiver sound speed updates for multibeam working again
09/30/2005	273	02:45	-52 21.173	-089 25.344	14.0	089.5	4900	4904	8858.8	34.140	05.476	373.4	
09/30/2005	273	03:00	-52 21.132	-089 19.540	13.7	089.0	4894	4898	8857.7	34.124	05.497	370.6	
09/30/2005	273	03:15	-52 21.083	-089 13.846	14.1	089.5	4899	4896	8858.9	34.132	05.502	371.2	
09/30/2005	273	03:30	-52 21.013	-089 08.052	13.7	088.7	4883	4883	8858.6	34.129	05.473	370.8	
09/30/2005	273	03:45	-52 20.933	-089 02.450	13.9	088.6	4875	4882	8860.9	34.150	05.450	372.1	
09/30/2005	273	04:00	-52 20.749	-088 02.450	13.8	086.0	4874	4875	8859.4	34.131	05.456	37.2	
09/30/2005	273	04:15	-52 20.632	-088 50.923	13.7	090.4	4886	4869	0885.9	34.148	05.432	372.4	
09/30/2005	273	04:30	-52 20.854	-088 43.918	13.9	091.8	4867	4868	8859.9	34.125	05.466	370.6	
09/30/2005	273	04:45	-52 21.028	-088 39.434	14.0	093.0	4999	4872	8861.1	34.128	05.468	370.2	
09/30/2005	273	05:00	-52 21.199	-088 33.632	14.0	093.0	4863	4867	8862.2	34.127	05.463	370.2	
09/30/2005	273	05:15	-52 21.380	-088 27.784	13.7	092.1	4853	4857	8862.6	34.118	05.477	371.3	
09/30/2005	273	05:30	-52 21.445	-088 22.910	13.6	091.1	4885	4853	8864.8	34.122	05.496	370.8	
09/30/2005	273	05:45	-52 21.438	-088 16.637	13.8	089.5	4851	4849	8863.4	34.137	05.479	370.8	
09/30/2005	273	06:00	-52 21.421	-088 11.226	13.9	089.9	4846	4840	8862.5	34.116	05.593	371.2	
09/30/2005	273	06:15	-52 21.396	-088 05.004	13.9	089.2	4832	4830	8865.2	34.110	05.636	369.5	
09/30/2005	273	06:30	-52 21.413	-087 59.474	14.0	092.0	4823	4827	8864.4	34.111	05.641	370.4	
09/30/2005	273	06:45	-52 21.535	-087 53.562	14.2	090.9	4816	4822	8865.1	34.114	05.568	370.0	

09/30/2005	273	07:00	-52 21.635	-087 47.956	14.0	090.8	4805	4811	8862.9		34.115	05.602	369.9	Mimi on
09/30/2005	273	07:15	-52 21.692	-087 47.956	14.4	091.0	4799	4799	8865.2		34.113	05.824	369.9	
09/30/2005	273	07:30	-52 21.781	-087 36.369	13.8	093.1	4802	4804	8864.4		34.122	05.572	37.0	
09/30/2005	273	07:45	-52 21.929	-087 30.354	14.3	092.1	4770	4774	8866.3		34.131	05.499	370.5	
09/30/2005	273	08:00	-52 22.061	-087 24.971	14.0	091.8	4103	3665	8873.7		34.121	05.500	369.9	
09/30/2005	273	08:15	-52 22.198	-087 19.306	13.8	092.1	4745	4747	8869.2		34.122	05.482	369.9	
09/30/2005	273	08:30	-52 22.339	-087 13.827	13.9	092.7	4743	4738	8862.7		34.117	05.476	370.1	
09/30/2005	273	08:45	-52 22.466	-087 07.883	13.3	090.3	4736	4740	8862.1		34.118	05.481	370.0	
09/30/2005	273	09:00	-52 22.608	-087 02.275	13.7	092.9	4770	4735	8862.5		34.081	05.598	370.0	
09/30/2005	273	09:15	-52 22.783	-086 56.687	13.4	092.8	4757	4758	8860.9		34.081	05.588	369.7	
09/30/2005	273	09:30	-52 22.923	-086 51.703	13.9	092.0	4768	4766	8862.5		34.085	05.557	370.0	
09/30/2005	273	09:45	-52 23.043	-086 45.701	13.8	091.9	4772	4775	8865.9		34.114	05.480	370.5	
09/30/2005	273	10:00	-52 23.110	-086 39.901	13.4	091.2	4792	4790	8863.5		34.105	05.510	371.6	
09/30/2005	273	10:15	-52 23.142	-086 34.320	13.8	089.8	4796	4777	8864.0		34.104	05.512	371.5	
09/30/2005	273	10:30	-52 23.145	-086 28.651	13.7	089.6	4784	4781	8864.1		34.096	05.524	371.7	
09/30/2005	273	10:45	-52 23.242	-086 23.111	14.2	092.2	4819	4807	8865.7		34.102	05.504	371.2	
09/30/2005	273	11:00	-52 23.390	-086 17.360	13.9	092.3	4809	4829	8862.5		34.101	05.512	371.3	
09/30/2005	273	11:15	-52 23.541	-086 11.548	14.2	092.9	4823	4819	8861.8		34.100	05.526	370.7	
09/30/2005	273	11:30	-52 23.692	-086 06.062	14.3	092.4	4910	4839	8866.2		34.099	05.581	371.8	
09/30/2005	273	11:45	-52 23.768	-086 00.396	14.1	091.0	4840	4833	8863.8		34.060	05.653	373.7	
09/30/2005	273	12:00	-52 23.790	-085 54.410	14.3	092.3	4846	4840	8860.8		34.056	05.595	372.9	
09/30/2005	273	12:15	-52 23.901	-085 48.645	14.2	091.3	4913	4858	8863.8		34.093	05.536	372.9	
00/93/0205	273	12:30	-52 23.996	-085 42.646	14.2	091.2	4868	4874	8861.7		34.100	05.396	371.1	
09/30/2005	273	12:45	-52 24.074	-085 37.207	14.1	090.6	4862	4870	8862.1		34.113	05.386	369.5	
09/30/2005	273	13:00	-52 24.143	-085 32.625	13.9	091.1	4864	4868	8863.0		34.113	05.389	369.4	
09/30/2005	273	13:15	-52 24.233	-085 25.876	14.1	090.1	4865	4846	8863.0		34.114	05.394	369.0	Mimi off, Lydia on
09/30/2005	273	13:30	-52 24.286	-085 20.143	14.1	093.2	4738	4796	8867.9		34.116	05.462	369.2	
09/30/2005	273	13:45	-52 24.546	-085 14.527	14.0	097.2	4795	4794	8865.1		34.105	05.475	369.7	
09/30/2005	273	14:00	-52 24.738	-085 08.885	13.7	090.8	4838	4815	8865.0		34.087	05.536	369.7	
09/30/2005	273	14:15	-52 24.798	-085 03.182	14.1	091.5	4825	4805	8864.7		34.089	05.554	371.5	
09/30/2005	273	14:30	-52 24.873	-084 57.534	13.8	090.9	4797	4766	8864.4		34.088	05.494	371.2	
09/30/2005	273	14:45	-52 24.970	-084 51.904	13.7	091.7	4767	4775	8867.7		34.091	05.462	371.5	
09/30/2005	273	15:00	-52 25.063	-084 46.494	13.9	091.6	4762	4766	8866.5		34.103	05.464	371.7	
09/30/2005	273	15:15	-52 25.147	-084 40.645	14.1	090.7	4743	4737	8869.3		34.100	05.457	371.9	
09/30/2005	273	15:30	-52 25.220	-084 35.132	13.7	091.2	4747	4750	8870.7		34.107	05.451	371.8	
09/30/2005	273	15:45	-52 25.281	-084 29.241	13.6	090.6	4736	4729	8871.9		34.077	05.520	373.8	
09/30/2005	273	16:00	-52 25.331	-084 23.660	14.0	090.8	4728	4728	8874.2		34.087	05.491	373.9	
09/30/2005	273	16:15	-52 25.379	-084 18.089	13.9	091.8	4769	4693	8874.5		34.080	05.539	374.4	
09/30/2005	273	16:30	-52 25.469	-084 12.417	13.5	091.5	4799	4689	8873.5		34.080	05.558	374.6	
09/30/2005	273	16:45	-52 25.591	-084 06.804	14.0	091.9	4657	4656	8869.3		34.083	05.507	375.3	
09/30/2005	273	17:00	-52 25.773	-084 01.112	13.8	092.7	4643	4641	8872.5		34.044	05.759	374.5	
09/30/2005	273	17:15	-52 25.916	-083 55.598	13.7	092.6	4676	4658	8872.7		34.047	05.784	374.5	
09/30/2005	273	17:30	-52 26.035	-083 49.905	14.1	092.3	4622	4618	8870.4		34.054	05.760	376.1	
09/30/2005	273	17:45	-52 26.111	-083 44.128	14.5	091.2	4433	4423	8875.5		34.061	05.726	374.6	
09/30/2005	273	18:00	-52 26.185	-083 38.534	14.2	092.4	4701	4708	8875.9		34.067	05.763	374.7	Lydia off, Marcel on
09/30/2005	273	18:15	-52 26.283	-083 32.857	14.1	091.4	4993	4813	8867.7		34.061	05.782	376.9	
09/30/2005	273	18:30	-52 26.376	-083 26.982	13.9	091.9	4860	4652	8871.0		34.067	05.769	376.4	
09/30/2005	273	18:45	-52 26.462	-083 21.588	13.7	091.3	4086	4086	8880.6		34.052	05.821	376.5	
09/30/2005	273	19:00	-52 26.531	-083 15.826	13.9	089.7	4910	5050	8859.2		34.053	05.868	376.5	
09/30/2005	273	19:15	-52 26.569	-083 10.238	13.9	090.6	5554	5548	8837.1		34.057	05.841	378.9	
09/30/2005	273	19:30	-52 26.598	-083 04.542	13.9	090.5	5527	6103	8833.6		34.048	05.895	380.9	
09/30/2005	273	19:45	-52 26.609	-082 58.860	13.8	090.2	5198	5216	8850.1		34.063	05.797	382.8	
09/30/2005	273	20:00	-52 26.661	-082 53.164	13.8	091.6	4679	4688	8869.0		34.070	05.993	380.2	
09/30/2005	273	20:15	-52 26.712	-082 47.347	13.4	092.2	4673	4692	8871.4		34.013	06.075	379.9	

09/30/2005	273	20:30	-52 26.856	-082 42.074	13.9	093.1	4732	4738	8875.5		34.022	06.051	379.9		
09/30/2005	273	20:45	-52 27.037	-082 36.440	13.7	092.6	4497	4488	8879.2		34.019	06.072	379.7		
09/30/2005	273	21:00	-52 27.197	-082 31.141	13.7	093.5	4426	4420	8881.9		34.014	06.008	380.7		
09/30/2005	273	21:15	-52 27.394	-082 25.117	13.4	093.2	4469	4382	8881.9		34.050	05.916	376.4		
09/30/2005	273	21:30	-52 27.563	-082 19.585	13.9	092.7	4523	4529	8880.3		34.025	06.041	376.3		
09/30/2005	273	21:45	-52 27.668	-082 14.090	13.8	092.7	4501	4494	8876.6		34.021	05.968	379.1		
09/30/2005	273	22:00	-52 27.785	-082 08.434	14.4	091.3	4458	4450	8875.1		34.055	05.855	377.6		
09/30/2005	273	22:15	-52 27.891	-082 02.682	13.7	092.1	4512	4435	8877.2		34.034	05.935	377.6		
09/30/2005	273	22:30	-52 28.013	-081 57.005	13.9	091.7	4463	4412	8876.7		34.034	05.914	376.8		
09/30/2005	273	22:45	-52 28.057	-081 51.324	14.1	090.5	4422	4414	8876.6		34.025	06.005	377.5		
09/30/2005	273	23:00	-52 28.113	-081 45.889	13.8	092.4	4501	4424	8875.4		34.027	05.953	378.6		Marcel off, Suart on
09/30/2005	273	23:15	-52 28.191	-081 40.310	13.3	090.7	4442	4433	8874.8		33.987	06.227	379.9		
09/30/2005	273	23:30	-52 28.221	-081 34.828	13.3	089.8	4520	4437	8875.9		33.969	06.286	379.4		
09/30/2005	273	23:45	-52 28.252	-081 29.354	13.6	091.5	4533	4446	8874.3		33.965	06.170	377.1		
10/01/2005	274	00:00	-52 28.365	-081 23.493	13.3	093.5	4450	4443	8876.0		33.995	06.020	374.5		
10/01/2005	274	00:15	-52 28.353	-081 18.277	13.1	093.6	4445	4454	8880.6		34.020	05.919	373.9		00:14 Knudsen off
10/01/2005	274	00:30	-52 28.744	-081 12.928	13.3	092.5	4424	4418	8878.2		33.974	06.075	375.9		00:26 Bathy on
10/01/2005	274	00:45	-52 28.879	-081 07.505	13.1	089.7	4411	4399	8879.5		33.950	06.177	378.5		
10/01/2005	274	01:00	-52 28.794	-081 01.227	13.4	089.7	4410	4384	8877.8		33.941	06.169	374.8		
10/01/2005	274	01:15	-52 28.749	-080 56.621	13.4	089.6	4382	4373	8877.1		33.951	06.140	372.2		
10/01/2005	274	01:30	-52 28.892	-080 51.026	13.8	094.4	4370	4357	8878.1		33.946	06.195	372.2		
10/01/2005	274	01:45	-52 29.143	-080 45.161	13.5	093.5	4351	4341	8878.9		33.946	06.185	374.4		
10/01/2005	274	02:00	-52 29.366	-080 39.584	13.9	092.7	4340	4329	8881.1		33.945	06.188	373.6		
10/01/2005	274	02:15	-52 29.460	-080 33.988	13.7	091.9	4322	4312	8882.7		33.945	06.143	370.4		
10/01/2005	274	02:30	-52 29.561	-080 28.487	13.9	092.6	4302	4290	8883.7		33.947	06.136	371.8		
10/01/2005	274	02:45	-52 29.674	-080 22.795	13.8	091.6	4287	4282	8885.3		33.945	06.152	372.7		
10/01/2005	274	03:00	-52 29.739	-080 16.997	14.1	091.7	4256	4254	8886.1		33.948	06.122	373.2		Entering Chilean EEZ
10/02/2005	275	09:15	-52 46.985	-080 15.157	12.7	266.0	4282	4346	9034.7	34428	33.895	06.303			2nd exit from Chilean EEZ; Mimi on
10/02/2005	275	09:30	-52 47.163	-080 19.530	05.6	270.0	4303	4287	9023.8	34374	33.907	06.344			slowed for XBT launch
10/02/2005	275	09:45	-52 47.216	-080 21.982	05.4	269.5	4319	4303	9004.4	34460	33.905	06.346			
10/02/2005	275	10:00	-52 47.414	-080 27.109	12.7	266.6	4338	4353	9032.2	34595	33.904	06.352			
10/02/2005	275	10:15	-52 47.480	-080 32.331	12.7	271.5	4350	4329	9039.0	34481	33.928	06.230			
10/02/2005	275	10:30	-52 47.355	-080 37.437	12.5	272.0	4347	4341	9036.3	34482	33.954	06.220			
10/02/2005	275	10:45	-52 47.483	-080 43.208	12.3	266.9	4371	4358	9036.2	34479	33.993	05.959			
10/02/2005	275	11:00	-52 47.658	-080 47.406	12.6	264.3	4406	4392	9034.8	34508	33.975	05.987			
10/02/2005	275	11:15	-52 47.938	-080 52.936	12.4	265.7	4416	4424	9034.9	34531	33.967	06.010			
10/02/2005	275	11:30	-52 48.149	-080 57.801	12.8	265.5	4451	4417	9034.2	34595	33.978	05.958			
10/02/2005	275	11:45	-52 48.297	-081 02.953	12.3	268.3	4404	4419	9034.5	34774	33.989	05.969			
10/02/2005	275	12:00	-52 48.406	-081 07.981	12.3	268.1	4454	4438	9036.9	34936	33.986	06.057			
10/02/2005	275	12:15	-52 48.551	-081 13.030	12.2	267.0	4458	4443	9036.1	34946	34.003	05.984			
10/02/2005	275	12:30	-52 48.750	-081 18.308	12.4	266.3	4484	4443	9034.1	34980	33.999	05.788			
10/02/2005	275	12:45	-52 48.888	-081 23.211	12.5	267.6	4496	4468	9033.7	34897	34.044	05.701			
10/02/2005	275	13:00	-52 48.937	-081 28.580	12.2	269.8	4463	4458	9032.9	34695	34.037	05.825			
10/02/2005	275	13:15	-52 48.947	-081 33.350	12.1	271.1	4475	4464	9032.1	34710	34.034	05.786			Mimi off, Lydia on
10/02/2005	275	13:30	-52 48.925	-081 38.240	11.9	270.0	4484	4474	9030.2	34901	34.014	05.932			
10/02/2005	275	13:45	-52 48.995	-081 43.212	12.2	266.5	4520	4476	9027.4	34983	34.011	05.898			
10/02/2005	275	14:00	-52 49.221	-081 48.122	11.9	264.7	4498	4977	9028.1	34904	33.997	05.959			
10/02/2005	275	14:15	-52 49.465	-081 53.093	12.1	265.4	4521	4487	9030.4	35080	34.031	05.810			
10/02/2005	275	14:30	-52 49.668	-081 58.784	12.2	265.3	4473	4462	9030.7	35162	34.030	05.824			
10/02/2005	275	14:45	-52 49.745	-082 03.702	12.5	268.7	4501	4472	9026.7	35135	34.027	05.848			
10/02/2005	275	15:00	-52 49.796	-082 08.450	12.6	268.7	4536	4506	9027.2	35097	34.026	05.835			
10/02/2005	275	15:15	-52 49.729	-082 13.379	12.5	273.0	4541	4526	9025.0	35099	34.038	05.816	377.3		pCO2 back on line.
10/02/2005	275	15:30	-52 49.594	-082 18.593	12.3	270.6	4389	4378	9033.7	35709	34.038	05.820	378.9		

10/02/2005	275	15:45	-52 49.578	-082 23.511	12.1	269.4	4486	4463	9034.2	35138	34.055	05.521	378.2	Lydia off, Marcel on
10/02/2005	275	16:00	-52 49.601	-082 28.534	12.1	267.1	4418	4399	9040.9	35210	34.092	05.426	376.7	
10/02/2005	275	16:15	-52 49.783	-082 33.590	12.6	266.9	4467	4459	9041.8	35274	34.090	05.463	374.8	
10/02/2005	275	16:30	-52 49.896	-082 38.645	12.1	267.7	4329	5047	9044.3	35296	34.086	05.461	375.7	
10/02/2005	275	16:45	-52 49.926	-082 43.787	12.6	271.7	4159	4598	9043.4	35267	34.094	05.444	375.7	
10/02/2005	275	17:00	-52 49.875	-082 48.890	12.5	271.8	4710	4692	9041.2	35288	34.092	05.477	374.9	
10/02/2005	275	17:15	-52 49.845	-082 51.873	07.8	270.4	4153	4156	9008.8	35195	34.090	05.503	374.8	
10/02/2005	275	17:30	-52 49.843	-082 56.230	11.9	270.4	4535	4466	9036.0	35029	34.086	05.687	374.3	
10/02/2005	275	17:45	-52 49.986	-083 01.280	12.2	267.9	4842	5814	9024.3	35054	34.064	05.665	375.9	
10/02/2005	275	18:00	-52 50.138	-083 06.335	12.0	268.0	4748	4721	9026.3	35128	34.062	05.734	375.0	
10/02/2005	275	18:15	-52 50.064	-083 11.393	12.5	272.0	4433	4422	9036.1	34061	35.224	05.742	375.1	
10/02/2005	275	18:30	-52 50.101	-083 17.140	12.4	268.6	4390	4394	9045.5	34058	35.292	05.767	375.5	
10/02/2005	275	18:45	-52 50.141	-083 21.875	12.5	269.6	4492	4493	9041.9	34057	34.055	05.807	376.2	
10/02/2005	275	19:00	-52 50.175	-083 27.403	12.8	269.1	4717	4693	9031.7	35333	34.041	05.828	377.3	
10/02/2005	275	19:15	-52 50.224	-083 31.947	12.4	268.8	4637	4768	9026.1	35349	34.040	05.800	377.8	
10/02/2005	275	19:30	-52 50.307	-083 37.410	12.4	269.5	4881	4866	9022.4	35368	34.038	05.809	379.1	
10/02/2005	275	19:45	-52 50.336	-083 42.227	12.4	269.5	4460	4448	9031.6	35408	34.037	05.828	379.7	
10/02/2005	275	20:00	-52 50.324	-083 47.178	12.3	270.2	4395	4366	9038.7	35469	34.039	05.810	369.5	
10/02/2005	275	20:15	-52 50.347	-083 52.234	12.3	269.6	4554	4571	9038.2	35506	34.045	05.809	377.2	
10/02/2005	275	20:30	-52 50.400	-083 57.477	12.3	269.2	4710	4701	9035.5	35552	34.050	05.776	375.7	
10/02/2005	275	20:45	-52 50.395	-084 02.498	12.6	269.7	4544	4576	9035.2	35566	34.068	05.760	374.4	
10/02/2005	275	21:00	-52 50.349	-084 07.617	12.5	270.9	4756	4758	9035.3	35575	34.067	05.570	374.1	
10/02/2005	275	21:15	-52 50.250	-084 12.778	12.0	271.8	4788	5666	9030.8	35608	34.078	05.610	373.3	
10/02/2005	275	21:30	-52 50.184	-084 17.796	12.6	271.9	4802	4806	9028.5		34.079	05.561	373.1	
10/02/2005	275	21:45	-52 50.076	-084 22.922	12.2	271.6	4818	4817	9024.6	35654	34.086	05.686	373.1	
10/02/2005	275	22:00	-52 50.093	-084 28.237	12.5	268.8	4753	4735	9026.7	35770	34.056	05.708	375.6	
10/02/2005	275	22:15	-52 50.210	-084 33.535	11.8	268.2	4844	4761	9029.1	35840	34.073	05.510	373.5	
10/02/2005	275	22:30	-52 50.290	-084 38.134	12.3	266.7	4859	4858	9031.8	35868	34.104	05.478	370.7	
10/02/2005	275	22:45	-52 50.388	-084 42.854	12.1	268.8	4859	4859	9031.2	35871	34.093	05.439	370.7	
10/02/2005	275	23:00	-52 50.303	-084 48.062	11.9	272.6	4866	4863	9031.0	35860	34.118	05.433	370.6	Marcel off, Stuart on
10/02/2005	275	23:15	-52 49.918	-084 53.250	12.1	281.1	4884	4885	9026.3	35855	34.120	05.481	370.6	Bathy 2000 and Multibeam don't perform too well due to bad weather until about 06:00 in the morning
10/02/2005	275	23:30	-52 49.658	-084 57.978	12.1	273.6	4880	4877	9024.0	35953	34.097	05.564	370.0	
10/02/2005	275	23:45	-52 49.598	-085 02.943	12.0	269.7	4888	4894	9023.4	36116	34.093	05.551	399.9	
10/03/2005	276	00:00	-52 49.568	-085 07.652	12.1	271.4	4879	4868	9024.2	36164	34.101	05.519	370.2	Bathy2000 not giving correct values; Stuart out Rolly in; Depth reacquired in Bathy-2000 at 04:03
10/03/2005	276	00:15	-52 49.639	-085 12.835	12.4	265.2	4925	4922	9025.2	36106	34.122	05.405	369.7	
10/03/2005	276	00:30	-52 49.671	-085 17.834	12.1	273.8	4925	4922	9022.0	36089	34.124	05.402	369.2	
10/03/2005	276	00:45	-52 49.566	-085 22.540	11.9	271.7	4930	4929	9020.1	36101	34.119	05.412	369.1	
10/03/2005	276	01:00	-52 49.488	-085 27.607	11.9	270.7	4950	4954	9023.2	36129	34.121	05.392	369.1	
10/03/2005	276	01:15	-52 49.494	-085 32.474	12.0	270.6	4958	4963	9025.4	36140	34.123	05.394	368.9	
10/03/2005	276	01:30	-52 49.481	-085 36.747	10.1	269.6	4966	4969	9024.0	36126	34.123	05.380	369.1	
10/03/2005	276	01:45	-52 49.537	-085 41.296	10.3	272.3	4970	4971	9013.3	36106	34.123	05.379	369.5	
10/03/2005	276	02:00	-52 49.373	-085 45.064	09.8	275.8	4970	4969	9006.6	36092	34.120	05.418	369.2	
10/03/2005	276	02:16	-52 49.198	-085 49.506	08.9	269.8	4966	4968	9007.2	36092	34.120	05.441	369.3	
10/03/2005	276	02:30	-52 49.175	-085 52.905	08.9	270.6	4968	4952	9008.4	36110	34.124	05.437	369.5	
10/03/2005	276	02:45	-52 49.128	-085 56.539	09.8	271.6	4969	4972	9012.8	36151	34.120	05.428	369.5	
10/03/2005	276	03:00	-52 49.122	-085 00.452	09.0	269.9	4965	4966	9015.8	36187	34.121	05.245	369.1	
10/03/2005	276	03:15	-52 49.131	-086 04.200	09.0	266.6	4951	4949	9011.1	36214	34.120	05.425	369.4	
10/03/2005	276	03:30	-52 49.040	-086 07.982	09.4	276.6	4950	4945	9016.7	36239	34.123	05.417	369.8	
10/03/2005	276	03:45	-52 48.884	-086 11.344	08.1	275.6		4940	9009.6	36240	34.110	05.482	369.0	
10/03/2005	276	04:00	-52 48.720	-086 14.739	07.4	271.0	4850	4594	9005.7	36238	34.114	05.448	368.5	
10/03/2005	276	04:15	-52 48.625	-086 18.168	06.2	269.3	4950	4937	8996.1	36237	34.101	05.732	368.5	
10/03/2005	276	04:30	-52 48.546	086 62.290	08.3	273.3	4928	4931	9010.1	36251	34.102	05.482	368.5	
10/03/2005	276	04:45	-52 48.469	-086 24.762	09.5	267.6	4924	4925	9014.1	36235	34.118	05.426	368.2	
10/03/2005	276	05:00	-52 48.492	-086 28.331	09.0	269.6	4922	5575	9017.0	36234	34.115	05.447	368.2	

10/03/2005	276	05:15	-52 48.546	-086 31.864	09.2	272.0	4919	4926	9077.2	36262	34.122	05.433	368.5		
10/03/2005	276	05:30	-52 48.588	-086 34.444	09.2	270.2	4919	5438	9018.5	36286	34.124	05.421	368.0		
10/03/2005	276	05:45	-52 48.513	-086 39.228	08.4	272.3	4915	5897	9016.2	36356	34.121	05.440	368.1		
10/03/2005	276	06:00	-52 48.445	-086 42.344	08.0	273.8	4908	4708	9017.8	36411	34.122	05.427	368.1		
10/03/2005	276	06:15	-52 48.379	-086 45.747	07.7	269.9	4895	4937	9009.7	36498	34.121	05.451	368.4		wind=40 kt
10/03/2005	276	06:30	-52 48.289	-086 48.677	07.0	299.7	4889	5047	9017.5	36598	34.118	05.431	368.3		Changed course to 030 to help secure rescue boat. (approx 15 min)
10/03/2005	276	06:45	-52 46.833	-086 49.840	08.2	261.2	4885	4889	9006.9	36498	34.121	05.444	368.5		
10/03/2005	276	07:00	-52 46.941	-086 51.240	07.6	263.5	4880	5163	9012.2	36555	34.115	05.472	368.4		
10/03/2005	276	07:15	-52 47.165	-086 54.620	08.2	262.2	4878	5562	9024.9	36664	34.109	05.530	368.5		
10/03/2005	276	07:30	-52 47.295	-086 57.970	08.3	265.0	4876	5598	8443.1	36721	34.102	05.574	367.8		
10/03/2005	276	07:45	-52 47.429	-087 00.902	06.3	274.8	4141	5465	8458.4	36743	34.099	05.602	367.8		
10/03/2005	276	08:00	-52 47.387	-087 03.324	05.7	271.5	4286	5948	9103.9	36751	34.098	05.609	368.7		wind = 48 kt
10/03/2005	276	08:15	-52 47.311	-087 06.019	05.8	263.7	3830	5630	8434.8	36753	34.091	05.635	368.8		
10/03/2005	276	08:30	-52 47.345	-087 08.466	05.2	268.2	3781	5468	8391.3	36750	34.088	05.637	368.5		wind = 40 kt
10/03/2005	276	08:45	-52 47.431	-087 11.032	06.2	271.0	6130	5818	8637.3	36749	34.087	05.655	368.0		unable to save Rolly's data as overwrites to the
10/03/2005	276	09:00	-52 47.316	-087 13.570	06.3	270.8	4878	5617	8409.1	36748	34.089	05.628	368.1		common file. Therefore Rolly STILL logged on till some can
10/03/2005	276	09:16	-52 47.096	-087 15.799	06.7	279.1	4867	5505	8942.9	36750	34.104	05.586	368.1		fix this. Don't log off without ensuring day 276 data captured.
10/03/2005	276	09:30	-52 46.964	-087 18.304	05.7	269.7	5514	5829	8939.9	36748	34.105	05.581	369.7		
10/03/2005	276	09:45	-52 46.949	-087 20.836	05.7	262.8	3454	4925	8534.1	36739	34.106	05.569	369.9		Called Paul Olsgaard to adjust bathy
10/03/2005	276	10:00	-52 46.895	-087 23.295	05.9	275.7	3461	5859	8036.4	36733	34.114	05.544	369.9		
10/03/2005	276	10:15	-52 46.884	-087 25.715	05.9	271.9	5244	5801	8904.7	36723	34.116	05.519	370.0		
10/03/2005	276	10:30	-52 46.919	-087 28.300	06.1	263.0	4788	4870	8697.4	36715	34.125	05.476	372.2		
10/03/2005	276	10:45	-52 46.938	-087 30.678	05.4	268.2	4737	5922	9015.5	36725	34.124	05.469	371.8		
10/03/2005	276	11:00	-52 46.852	-087 33.170	05.7	277.5	5005	5294	8760.6	36743	34.141	05.463	371.8		
10/03/2005	276	11:15	-52 46.715	-087 35.568	06.0	284.9	4841	5624	9016.1	36772	34.141	05.467	373.5		
10/03/2005	276	11:30	-52 46.569	-087 38.237	06.8	275.3	4878	5691	9442.1	36804	34.137	05.489	374.5		
10/03/2005	276	11:45	-52 46.554	-087 41.008	06.4	275.7	4893	5411	9018.3	36850	34.140	05.494	372.9		
10/03/2005	276	12:00	-52 46.538	-087 43.485	06.4	266.6	4877	5278	8568.9	36856	34.140	05.492	371.8		
10/03/2005	276	12:15	-52 46.428	-087 46.062	06.7	278.1	4888	4853	8986.7	36848	34.139	05.493	371.7		bathy "crashed" per Paul o. Sub-bottom logging turned off.
10/03/2005	276	12:30	-52 46.349	-087 48.692	06.5	272.4	4861	4851	8698.6	36806	34.139	05.469	371.6		bathy running again, sub-bottom data recording
10/03/2005	276	12:45	-52 46.251	-087 51.282	05.7	275.8	4856	4809	8489.1	36777	34.140	05.463	371.6		
01/00/3205	276	13:00	-52 46.135	-087 53.963	06.5	273.1	4868	4996	8968.2	36764	34.137	05.485	373.6		
10/03/2005	276	13:15	-52 46.073	-087 56.428	06.1	266.9	4872	5928	8287.8	36770	34.133	05.512	373.0		Mimi off, Lydia on
10/03/2005	276	13:30	-52 45.986	-087 59.211	06.8	272.3	4870	4875	8554.6	36810	34.129	05.514	372.5		
10/03/2005	276	13:45	-52 45.888	-088 01.691	06.2	271.2	4841	5897	9037.5	36873	34.126	05.527	372.1		
10/03/2005	276	14:00	-52 45.753	-088 04.427	06.9	276.9	4951	4867	9052.1	36929	34.126	05.544	371.8		
10/03/2005	276	14:15	-52 45.653	-088 07.133	06.6	270.2	4282	5787	8637.1	36960	34.124	05.600	371.8		
10/03/2005	276	14:30	-52 45.555	-088 09.850	06.2	272.1	4410	5050	8312.1	36972	34.124	05.592	370.5		
10/03/2005	276	14:45	-52 45.436	-088 12.490	06.5	279.5	4309	4876	8525.1	36974	34.128	05.569	370.9		
10/03/2005	276	15:00	-52 45.291	-088 15.283	06.2	265.5	4320	5425	9011.5	36974	34.134	05.563	370.7		
10/03/2005	276	15:15	-52 45.181	-088 18.135	07.2	273.1	4480	4890	8277.2	36987	34.131	05.570	370.7		
10/03/2005	276	15:30	-52 45.114	-088 21.122	07.3	271.4	4682	5745	8799.5	36997	34.133	05.582	371.1		
10/03/2005	276	15:45	-52 45.029	-088 24.625	08.9	267.7	4910	4906	9020.1	36987	34.130	05.575	371.3		
10/03/2005	276	16:00	-52 44.927	-088 28.622	10.0	274.0	4913	5031	9522.5	36977	34.134	05.571	371.3		
10/03/2005	276	16:15	-52 44.735	-088 32.682	10.2	275.6	4913	4916	9061.5	36983	34.131	05.583	370.7		
10/03/2005	276	16:30	-52 44.533	-088 36.741	07.8	274.1	4922	4919	9092.2	37011	34.130	05.592	370.9		
10/03/2005	276	16:45	-52 44.414	-088 40.084	07.9	273.1	4930	4995	9010.9	37045	34.128	05.579	370.6		
10/03/2005	276	17:00	-52 44.334	-088 43.355	08.1	270.5	4935	4928	9041.0	37079	34.127	05.579	370.5		
10/03/2005	276	17:15	-52 44.209	-088 46.627	07.9	271.9	4926	5489	9167.8	37107	34.127	05.590	371.1		
19/93/2995	276	17:30	-52 44.063	-088 49.851	08.5	273.7	4927	5841	8669.5	37137	34.129	05.614	371.1		
10/03/2005	276	17:45	-52 43.918	-088 53.166	08.7	275.1	4928	4953	9190.3	37169	34.129	05.634	371.1		
10/03/2005	276	18:00	-52 43.790	-088 56.402	09.0	273.0	4943	5482	8011.3	37185	34.127	05.612	371.0		Marcel on, Lydia off
10/03/2005	276	18:15	-52 43.644	-088 59.883	07.6	273.9	4946	4943	9005.8	37195	34.127	05.591	371.0		
10/03/2005	276	18:30	-52 43.481	-089 03.265	07.8	273.5	4947	4970	9010.5	37195	34.123	05.585	371.0		

10/03/2005	276	18:45	-52 43.341	-089 06.558	08.5	274.3	4953	5877	9008.5	37184	34.125	05.524	370.4	
10/03/2005	276	19:00	-52 43.179	-089 09.881	07.8	274.1	4948	4951	9004.7	37176	34.138	05.513	371.9	
10/03/2005	276	19:15	-52 42.893	-089 17.068	08.8	270.3	4947	4949	9010.9	37150	34.139	05.510	374.2	
10/03/2005	276	19:30	-52 42.752	-089 20.567	08.1	273.8	4944	4943	9005.4	37181	34.156	05.533	376.7	
10/03/2005	276	19:45	-52 42.621	-089 24.163	07.9	272.6	4954	4943	8774.4	37247	34.146	05.573	374.0	
10/03/2005	276	20:00	-52 42.492	-089 27.456	08.0	268.6	4946	4942	9006.8	37310	34.139	05.581	373.3	
10/03/2005	276	20:15	-52 42.316	-089 30.837	07.7	271.7	4944	4949	9109.0	37350	34.136	05.577	372.6	
10/03/2005	276	20:30	-52 42.150	-089 34.274	08.4	274.3	4949	4953	9006.8	37374	34.135	05.584	372.3	
10/03/2005	276	20:45	-52 42.009	-089 37.628	08.5	273.4	4944	4946	8532.3	37419	34.138	05.585	372.8	
10/03/2005	276	21:00	-52 41.809	-089 41.502	07.9	275.6	4941	4956	9005.3	37425	34.136	05.566	373.7	
10/03/2005	276	21:15	-52 41.712	-089 43.147	08.3	274.0	4947	5539	9009.2	37426	34.141	05.575	372.4	
10/03/2005	276	21:30	-52 41.645	-089 44.403	08.3	275.8	4945	5893	9002.6	37433	34.141	05.572	372.8	
10/03/2005	276	21:45	-52 41.474	-089 47.008	08.5	271.1	4946	4953	9004.5	37438	34.145	05.555	375.5	
10/03/2005	276	22:00	-52 41.395	-089 51.131	08.3	275.1	4950	4942	9008.5	37419	34.151	05.541	375.1	
10/03/2005	276	22:15	-52 41.117	-089 54.472	08.2	275.7	4937	4940	8996.0	37367	34.146	05.532	375.6	
10/03/2005	276	22:30	-52 40.954	-089 57.765	08.3	274.8	4937	4939	9002.2	37297	34.139	05.496	375.6	
10/03/2005	276	22:45	-52 40.784	-090 01.046	07.8	274.8	4937	4938	9003.0	37212	34.155	05.482	375.3	
10/03/2005	276	23:00	-52 40.592	-090 04.220	07.9	273.9	4944	4937	9005.1	37153	34.156	05.480	374.6	
10/03/2005	276	23:15	-52 40.375	-090 07.332	07.9	276.4	4936	4936	9015.2	37140	34.159	05.499	374.6	
10/03/2005	276	23:30	-52 40.128	-090 10.570	08.2	279.6	4942	4939	8938.5	37149	34.159	05.508	374.3	
10/03/2005	276	23:45	-52 39.880	-090 13.855	07.7	273.3	4933	4940	8378.6	37165	34.157	05.512	373.7	
10/04/2005	277	00:00	-52 39.767	-090 16.784	07.6	275.4	4933	4927	8510.8	37188	34.158	05.520	373.7	
10/04/2005	277	00:15	-52 39.651	-090 20.035	08.0	272.9	4937	4933	9005.8	37231	34.158	05.548	373.7	
10/04/2005	277	00:30	-52 39.465	-090 23.251	07.5	275.7	4932	4933	8999.9	37280	34.161	05.548	373.0	
10/04/2005	277	00:45	-52 39.244	-090 26.537	08.1	274.7	4924	4925	9002.9	37323	34.160	05.532	373.3	
10/04/2005	277	01:00	-52 38.996	-090 29.808	08.5	275.8	4931	4934	8870.1	37364	34.162	05.515	374.0	
10/04/2005	277	01:15	-52 38.781	-090 33.467	08.8	271.9	4934	4930	9000.1	37414	34.157	05.555	373.3	
10/04/2005	277	01:30	-52 38.666	-090 36.840	08.1	274.1	4933	4930	8512.6	37452	34.152	05.574	373.2	
10/04/2005	277	01:45	-52 38.559	-090 40.247	08.7	277.1	4929	4932	8994.2	37479	34.163	05.546	372.9	
10/04/2005	277	02:00	-52 38.361	-090 43.853	08.4	274.8	4940	4934	9000.3	37496	34.164	05.531	372.9	
10/04/2005	277	02:15	-52 38.186	-090 47.342	08.7	273.1	4939	5036	9002.2	37510	34.163	05.520	373.5	
10/04/2005	277	02:30	-52 38.033	-090 50.793	08.8	275.0	4935	4938	9001.7	37544	34.163	05.526	373.6	
10/04/2005	277	02:45	-52 37.840	-090 54.395	09.1	275.0	4944	4940	8998.9	37583	34.161	05.554	374.0	
10/04/2005	277	03:00	-52 37.585	-090 57.800	08.4	275.6	4939	4941	8997.3	37611	34.157	05.590	372.4	
10/04/2005	277	03:15	-52 37.307	-091 01.373	08.7	277.9	4940	4943	8999.3	37635	34.153	05.591	371.2	
10/04/2005	277	03:30	-52 37.088	-091 04.957	08.6	275.0	4941	4945	9001.8	37660	34.154	05.597	371.2	
10/04/2005	277	03:45	-52 36.899	-091 08.571	09.0	275.3	4942	5050	8996.7	37696	34.147	05.653	370.7	Rolly on
10/04/2005	277	04:00	-52 36.724	-091 12.021	09.1	272.4	4945	4949	8999.7	37731	34.136	05.652	369.9	
10/04/2005	277	04:15	-52 36.533	-091 16.006	09.4	275.4	4946	4948	9000.9	37783	34.133	05.628	369.0	
10/04/2005	277	04:30	-52 36.338	-091 19.626	09.2	279.3	4947	4949	8999.6	37855	34.128	05.632	368.7	
10/04/2005	277	04:45	-52 36.029	-091 23.349	09.3	277.0	4949	4949	8999.4	37958	34.131	05.646	368.3	
10/04/2005	277	05:00	-52 35.733	-091 27.254	09.5	274.9	4951	4954	8993.5	38092	34.136	05.644	368.4	
10/04/2005	277	05:15	-52 35.443	-091 31.248	09.9	276.5	4960	4960	9002.2	38142	34.141	05.677	368.4	
10/04/2005	277	05:30	-52 35.251	-091 35.740	09.9	274.3	4955	4960	9004.1	38017	34.135	05.666	370.8	
10/04/2005	277	05:45	-52 35.095	-091 39.899	10.0	274.3	4957	4960	8994.9	37913	34.147	05.655	370.4	
10/04/2005	277	06:00	-52 34.840	-091 43.689	09.6	276.8	4964	4966	9000.1	38054	34.137	05.667	369.5	
10/04/2005	277	06:15	-52 34.526	-091 47.642	09.5	276.2	4966	4590	8999.7	38102	34.138	05.665	369.6	
10/04/2005	277	06:30	-52 34.196	-091 51.451	09.5	278.1	4966	4970	8995.9	38224	34.138	05.651	369.6	
10/04/2005	277	06:45	-52 33.934	-091 54.765	09.7	275.6	4969	4972	8998.3	38291	33.656	05.696	369.6	
10/04/2005	277	07:00	-52 33.733	-091 58.774	09.5	274.5	4975	4975	8993.6	38329	33.867	05.897	379.5	
10/04/2005	277	07:15	-52 33.526	-092 03.078	09.8	278.5	4978	4984	8991.1	38337	34.108	05.631	381.1	
00/00/0022	277	07:30	-52 33.210	-092 06.828	09.9	276.7	4979	4975	8992.0	38332	34.109	05.642	368.3	
10/04/2005	277	07:45	-52 32.932	-092 10.444	09.4	278.2	4974	4974	8993.2	38281	34.106	05.648	371.1	
10/04/2005	277	08:00	-52 32.618	-092 14.225	09.4	277.5	4968	4967	8993.1	38136	34.091	05.631	369.8	

Marcel off, Stuart on

Grav acting goofy

Grav problems

10/04/2005	277	08:15	-52 32.159	-092 19.517	09.1	277.2	4974	4963	8996.8	38050	34.137	05.634	369.7	Rolly off, Mimi on
10/04/2005	277	08:30	-52 31.956	-092 21.905	09.3	275.7	4950	4959	8993.3	38044	34.143	05.698	369.7	
10/04/2005	277	08:45	-52 31.712	-092 25.670	09.8	276.3	4941	4944	8996.3	38037	34.150	05.690	370.8	
10/04/2005	277	09:00	-52 31.544	-092 29.473	09.5	275.1	4951	4953	8995.3	38048	34.153	05.708	371.3	
10/04/2005	277	09:15	-52 31.375	-092 33.297	09.2	274.8	4956	4957	8995.3	38096	34.150	05.760	370.5	
10/04/2005	277	09:30	-52 31.122	-092 36.862	09.6	280.0	4881	4907	8995.6	38212	34.151	05.793	369.5	
10/04/2005	277	09:45	-52 30.796	-092 40.562	09.3	278.1	4978	4960	8988.6	38343	34.149	05.800	369.6	
10/04/2005	277	10:00	-52 30.504	-092 44.366	08.8	275.1	4970	4973	8989.4	38331	34.151	05.789	369.5	
10/04/2005	277	10:15	-52 30.208	-092 47.938	08.8	278.8	4973	4973	8980.0	38240	34.146	05.777	369.5	
10/04/2005	277	10:30	-52 29.895	-092 51.400	08.6	280.0	4980	4981	8981.4	38196	34.142	05.770	368.5	
10/04/2005	277	10:45	-52 29.585	-092 55.273	09.1	278.3	4983	4984	8983.1	38204	34.142	05.789	368.7	Mimi off, Lydia on
10/04/2005	277	11:00	-52 29.276	-092 58.910	08.8	275.6	4984	4986	8988.4	38238	34.148	05.799	368.4	
10/04/2005	277	11:15	-52 28.990	-093 02.467	08.8	277.9	4982	5034	7741.8	38316	34.152	05.820	368.3	
10/04/2005	277	11:30	-52 28.715	-093 05.964	08.6	277.8	4552	4548	8990.7	38435	34.153	05.824	368.7	
10/04/2005	277	11:45	-52 28.459	-093 09.455	08.6	281.4	4998	5001	8993.2	38496	34.153	05.817	369.0	
10/04/2005	277	12:00	-52 28.153	-093 12.920	08.7	277.6	5000	5379	8982.3	38481	34.151	05.823	368.6	
10/04/2005	277	12:15	-52 27.920	-093 16.333	08.9	277.7	4992	4981	8980.6	38406	34.157	05.755	368.6	
10/04/2005	277	12:30	-52 27.586	-093 20.051	09.0	277.4	4993	5088	8942.1	38364	34.161	05.724	372.2	
10/04/2005	277	12:45	-52 27.254	-093 23.585	08.9	277.8	5040	5013	8981.7	38372	34.162	05.709	371.7	
10/04/2005	277	13:00	-52 26.948	-093 27.059	08.6	276.8	5010	5013	8979.9	38374	34.163	05.729	371.1	
10/04/2005	277	13:15	-52 26.703	-093 30.457	09.4	277.3	5019	5022	8389.0	38384	34.163	05.735	371.6	Lydia off, Marcel off
10/04/2005	277	13:30	-52 26.500	-093 33.945	08.7	277.1	5019	5017	8978.3	38390	34.162	05.694	371.6	
10/04/2005	277	13:45	-52 26.204	-093 37.371	09.2	279.5	5009	5026	8979.7	38376	34.169	05.615	371.6	
10/04/2005	277	14:00	-52 25.920	-093 40.744	08.3	277.7	4895	5011	8978.9	38386	34.167	05.633	373.3	
10/04/2005	277	14:15	-52 25.626	-093 44.097	08.8	278.2	4863	4863	8979.0	38436	34.173	05.663	373.1	
10/04/2005	277	14:30	-52 25.331	-093 47.510	07.8	277.9	4974	5650	8980.7	38537	34.177	05.686	373.2	
10/04/2005	277	14:45	-52 25.028	-093 50.935	08.4	276.4	4934	5787	8979.3	38642	34.174	05.661	372.5	
10/04/2005	277	15:00	-52 24.785	-093 54.188	07.7	274.1	4876	5577	7805.0	38679	34.175	05.666	372.4	
10/04/2005	277	15:15	-52 24.530	-093 57.340	08.1	279.4	4832	5673	8975.0	38639	34.175	05.662	372.4	
10/04/2005	277	15:30	-52 24.221	-094 00.481	07.4	277.0	4879	5580	8974.3	38606	34.176	05.667	373.6	
10/04/2005	277	15:45	-52 24.002	-094 03.544	08.2	277.0	4127	5572	8099.7	38682	34.176	05.648	373.4	Restarting Multibeam, bad data due to bad weather
10/04/2005	277	16:00	-52 23.773	-094 06.594	06.9	278.8	4136	5831	8972.0	38714	34.174	05.656	373.7	
10/04/2005	277	16:15	-52 23.426	-094 09.585	07.3	277.5	4146	5649	8976.3	38719	34.169	05.661	376.2	
10/04/2005	277	16:30	-52 23.194	-094 12.608	06.9	279.4	4167	5078	8929.0	38696	34.164	05.680	373.7	
10/04/2005	277	16:45	-52 22.962	-094 15.337	06.0	275.7	4212	5612	8968.6	38669	34.159	05.686	373.7	
10/04/2005	277	17:00	-52 22.713	-094 18.046	07.0	279.5	4272	5808	8210.5	38690	34.154	05.690	372.8	
10/04/2005	277	17:15	-52 22.461	-094 21.127	06.8	275.5	4133	5576	8970.2	38721	34.155	05.699	372.0	
10/04/2005	277	17:30	-52 22.283	-094 23.445	06.9	279.5	4129	4502	8963.9	38724	34.155	05.704	371.9	
10/04/2005	277	17:45	-52 22.068	-094 26.028	05.0	272.8	4224	5021	7458.4	38696	34.162	05.714	371.5	
10/04/2005	277	18:00	-52 21.880	-094 28.473	06.2	283.3	4581	5191	8964.0	38621	34.167	05.718	371.1	Multibeam back online
10/04/2005	277	18:15	-52 21.541	-094 30.836	05.6	278.1	4834	4999	8962.5	38550	34.167	05.727	370.7	
10/04/2005	277	18:30	-52 21.347	-094 32.825	06.2	285.7	4568	5293	9081.4	38571	34.165	05.730	370.7	
10/04/2005	277	18:45	-52 21.043	-094 35.753	05.8	284.4	4293	5501	8966.1	38683	34.164	05.734	371.3	
10/04/2005	277	19:00	-52 20.814	-094 38.164	05.8	282.6	4328	5677	8970.1	38716	34.166	05.729	370.8	
10/04/2005	277	19:15	-52 20.593	-094 40.654	07.1	284.1	4168	4703	8967.4	38719	34.164	05.736	370.9	
10/04/2005	277	19:30	-52 20.376	-094 43.197	06.4	277.2	4352	NA	8963.3	38754	34.162	05.735	370.8	
10/04/2005	277	19:45	-52 20.246	-094 45.421	06.1	280.4	4370	4688	8970.6	38757	34.161	05.732	370.6	
10/04/2005	277	20:00	-52 20.113	-094 47.650	05.3	267.8	4578	4665	8972.1	38744	34.158	05.719	370.2	
10/04/2005	277	20:15	-52 19.880	-094 50.205	06.3	273.3	4447	4726	8967.3	38788	34.164	05.708	370.2	Multibeam back online
10/04/2005	277	20:30	-52 19.717	-094 52.466	05.8	273.7	4187	4631	8961.2	38836	34.169	05.721	371.6	
10/04/2005	277	20:45	-52 19.428	-094 54.994	06.3	280.2	4220	4927	8972.4	38860	34.172	05.728	372.3	
10/04/2005	277	21:00	-52 19.079	-094 57.650	06.4	282.0	4247	4708	8966.8	38883	34.168	05.733	371.9	
10/04/2005	277	21:15	-52 18.756	-095 00.660	06.8	277.7	4147	5047	8971.2	38932	34.168	05.749	371.1	
10/04/2005	277	21:30	-52 18.606	-095 02.989	06.0	280.2	4159	4569	8843.1	38959	34.168	05.750	371.0	

10/04/2005	277	21:45	-52 18.451	-095 05.344	06.7	279.3	4549	4880	8682.0	38984	34.168	05.727	371.0	Bathy 2000 incorrectly jumped automatically to incorrect depth values between 21:45 and 22:45. It was forced back to correct values manually.
10/04/2005	277	22:00	-52 18.221	-095 07.808	05.7	277.3	4453	4738	8956.3	39007	34.168	05.727	370.5	
10/04/2005	277	22:15	-52 17.941	-095 10.596	05.8	277.2	4132	4548	8947.5	39012	34.168	05.726	371.1	
10/04/2005	277	22:30	-52 17.727	-095 12.560	05.5	277.4	4142	4789	8829.0	38985	34.168	05.746	371.4	
10/04/2005	277	22:45	-52 17.478	-095 14.991	06.2	282.1	4816	4505	8961.1	38906	34.169	05.750	370.8	
10/04/2005	277	23:00	-52 17.237	-095 17.439	06.0	281.5	4869	5113	8865.3	38851	34.168	05.741	370.6	
10/04/2005	277	23:15	-52 17.014	-095 19.747	06.0	280.4	5045	4611	9011.4	38872	34.167	05.740	370.7	
10/04/2005	277	23:30	-52 16.783	-095 22.271	05.8	281.4	4884	5007	8741.5	38958	34.168	05.735	370.7	
10/04/2005	277	23:45	-52 16.539	-095 24.615	06.5	276.5	4673	5201	8839.1	39063	34.167	05.746	370.0	
10/05/2005	278	00:00	-52 16.278	-095 27.086	05.3	283.6	4755	4770	8994.0	39107	34.166	05.742	370.0	
10/05/2005	278	00:15	-52 16.054	-095 29.454	06.5	282.2	4304	4269	8966.4	39084	34.163	05.734	370.1	
10/05/2005	278	00:30	-52 15.783	-095 31.760	06.2	279.1	3604	4017	9112.8	39084	34.163	05.738	369.9	
10/05/2005	278	00:45	-52 15.499	-095 34.092	05.7	282.8	3583	3575	8990.2	39102	34.166	05.743	369.8	
10/05/2005	278	01:00	-52 15.205	-095 36.686	06.7	281.4	3825	4230	8982.3	39109	34.166	05.743	369.9	
10/05/2005	278	01:15	-52 14.999	-095 39.312	06.7	274.9	4430	4502	9028.7	36135	34.169	05.730	370.4	
10/05/2005	278	01:30	-52 14.788	-095 41.926	05.8	275.5	4797	4984	8943.6	39141	34.168	05.728	370.2	
10/05/2005	278	01:45	-52 14.475	-095 44.464	06.1	282.3	4841	5174	8956.7	39100	34.165	05.697	370.5	
10/05/2005	278	02:00	-52 14.157	-095 47.019	07.0	280.6	4779	5044	8547.3	39104	34.172	05.687	371.8	
10/05/2005	278	02:15	-52 13.864	-095 49.465	06.9	284.6	4739	4827	8603.3	39127	34.183	05.678	373.9	
10/05/2005	278	02:30	-52 13.600	-095 52.051	06.1	276.7	4766	5101	8008.4	39080	34.183	05.704	374.0	
10/05/2005	278	02:45	-52 13.349	-095 54.648	07.1	280.1	4771	5165	8440.5	39023	34.185	05.710	374.0	
10/05/2005	278	03:00	-52 13.079	-095 57.346	06.3	282.2	4722	4888	8944.6	39010	34.184	05.736	374.5	
10/05/2005	278	03:15	-52 12.841	-095 59.899	05.9	278.8	4738	4745	8386.4	36016	34.188	05.758	374.2	
10/05/2005	278	03:30	-52 12.651	-096 02.146	06.0	281.0	4596	5062	8950.9	39063	34.186	05.804	374.1	
10/05/2005	278	03:45	-52 12.464	-096 04.391	05.8	280.3	4553	4586	8957.8	39171	34.186	05.811	373.4	
10/05/2005	278	04:00	-52 12.239	-096 06.821	05.2	276.9	4540	5128	8953.3	39288	34.192	05.775	373.1	
10/05/2005	278	04:15	-52 11.949	-096 09.331	05.0	284.0	4539	4971	8805.6	39275	34.190	05.741	373.2	
10/05/2005	278	04:30	-52 11.697	-009 12.392	06.4	282.2	4607	4947	8803.0	39203	34.189	05.743	373.3	
10/05/2005	278	04:45	-52 11.409	-096 14.079	00.5	283.9	4569	4895	8930.1	39112	34.186	05.736	374.3	
10/05/2005	278	05:00	-52 11.075	-096 16.608	06.1	283.2	4622	4923	8956.2	39065	34.186	05.759	373.8	
10/05/2005	278	05:15	-52 10.726	-096 19.308	07.0	278.4	4607	5122	8946.9	39074	34.188	05.823	373.6	
10/05/2005	278	05:30	-52 10.467	-096 21.831	06.3	275.5	4639	4660	8955.2	39092	34.187	05.836	373.3	
10/05/2005	278	05:45	-52 10.258	-096 24.567	07.2	279.3	4697	4722	8953.6	39110	34.188	05.840	372.5	
10/05/2005	278	06:00	-52 10.000	-096 27.085	06.7	285.4	4531	4494	8954.5	39141	34.186	05.841	372.5	
10/05/2005	278	06:15	-52 09.685	-096 29.826	05.5	285.3	4542	4473	8957.7	39142	34.184	05.843	372.2	
10/05/2005	278	06:30	-52 09.418	-096 32.187	06.0	276.6	4570	4798	8995.6	39137	34.183	05.839	371.7	
10/05/2005	278	06:45	-52 09.418	-096 34.922	07.1	282.2	4618	4677	8955.2	39132	34.181	05.845	371.3	
10/05/2005	278	07:00	-52 08.849	-096 37.553	06.0	278.3	4686	4672	8957.5	39112	34.182	05.856	371.5	
10/05/2005	278	07:15	-52 08.589	-096 39.926	06.3	278.2	4659	4327	8953.8	39144	34.183	05.851	371.6	
10/05/2005	278	07:30	-52 08.322	-096 42.399	06.8	282.1	4663	4675	8953.5	39219	34.181	05.863	371.3	
10/05/2005	278	07:45	-52 08.048	-096 44.902	06.8	278.7	4710	4654	8641.0	39386	34.182	05.871	371.3	
10/05/2005	278	08:00	-52 07.773	-096 47.488	06.8	280.0	4657	4948	8951.8	39585	34.181	05.872	371.5	
10/05/2005	278	08:15	-52 07.500	-096 50.007	06.2	277.4	4548	4815	8953.0	39689	34.184	05.880	371.3	
10/05/2005	278	08:30	-52 07.126	-096 53.419	07.1	282.3	4515	4476	7450.1	39696	34.184	05.876	371.7	
10/05/2005	278	08:45	-52 06.900	-096 55.273	06.9	279.5	4533	4821	9144.9	39679	34.185	05.884	371.8	
10/05/2005	278	09:00	-52 06.562	-096 57.858	06.7	283.2	4519	4976	8954.1	39594	34.186	05.877	371.8	
10/05/2005	278	09:15	-52 06.238	-097 00.547	06.7	280.0	4653	4622	8950.4	39455	34.185	05.874	371.6	
10/05/2005	278	09:30	-52 05.919	-097 03.175	07.0	278.8	4646	4654	8955.9	39400	34.184	05.875	371.6	
10/05/2005	278	09:45	-52 05.634	-097 05.933	06.4	276.4	4561	4579	8947.9	39378	34.183	05.871	371.7	
10/05/2005	278	10:00	-52 05.353	-097 08.714	06.4	278.2	4529	4462	8963.9	39431	34.186	05.868	371.5	
10/05/2005	278	10:15	-52 05.045	-097 22.537	07.0	282.8	4521	4567	8953.3	39482	34.184	05.870	371.7	
10/05/2005	278	10:30	-52 04.706	-097 14.362	06.8	279.5	4507	4487	8945.2	39508	34.185	05.887	372.0	
10/05/2005	278	10:45	-52 04.357	-097 17.200	07.2	283.4	4620	4595	7922.7	39520	34.189	05.895	372.1	
10/05/2005	278	11:00	-52 04.015	-097 20.005	07.3	282.7	4529	4498	8955.7	39502	34.190	05.893	372.1	

10/05/2005	278	11:15	-52 03.675	-097 22.865	07.1	282.9	4524	4315	8958.1	39476	34.185	05.864	372.5		
10/05/2005	278	11:30	-52 03.346	-097 25.702	07.7	284.3	4524	4530	8953.9	39477	34.184	05.863	371.5		
10/05/2005	278	11:45	-52 02.983	-097 28.777	07.7	280.2	4650	4641	8952.5	39460	34.183	05.870	371.4		
10/05/2005	278	12:00	-52 02.650	-097 31.752	07.9	278.8	4512	4677	8954.8	39452	34.187	05.871	371.5		
10/05/2005	278	12:15	-52 02.324	-097 34.769	07.4	275.5	4532	4322	8954.0	39480	34.188	05.897	371.9		
10/05/2005	278	12:30	-52 01.965	-097 37.946	07.2	281.1	4539	4521	8961.2	39508	34.192	05.936	372.2		
10/05/2005	278	12:45	-52 01.580	-097 41.186	07.8	282.3	4543	4414	8956.2	39548	34.196	05.941	372.2		
10/05/2005	278	13:00	-52 01.199	-097 44.456	08.5	280.9	4538	4501	8955.0	39606	34.195	05.921	373.0		
10/05/2005	278	13:15	-52 00.829	-097 47.733	08.3	278.9	4566	4468	8952.1	39647	34.192	05.914	372.6		
10/05/2005	278	13:30	-52 00.370	-097 51.497	08.1	282.1	4520	4418	8951.0	39752	34.194	05.917	372.8		
10/05/2005	278	13:45	-51 59.961	-097 54.473	08.7	281.7	4563	4496	8951.5	39807	34.193	05.919	372.8		
10/05/2005	278	14:00	-51 59.470	-097 58.145	08.8	282.5	4763	4694	8949.0	39764	34.192	05.929	372.7		
10/05/2005	278	14:15	-51 59.017	-098 01.645	09.5	283.0	4651	4662	8672.9	39695	34.196	05.916	372.6		reached turn around point
10/05/2005	278	14:30	-51 58.595	-098 05.036	08.5	281.2	4698	4885	8940.2	39601	34.185	05.886	372.7		Mimi off, Lydia on
10/05/2005	278	14:45	-51 58.142	-098 08.601	09.0	281.9	4578	4923	9020.0	39525	34.180	05.927	371.3		
10/05/2005	278	15:00	-51 57.603	-098 12.084	08.6	286.7	4550	4887	8941.9	39509	34.188	05.940	371.2		
10/05/2005	278	15:15	-51 57.004	-098 15.553	09.0	286.2	4540	4745	8943.1	39521	34.188	05.951	371.2		
10/05/2005	278	15:30	-51 56.392	-098 19.112	08.5	282.6	4612	4724	8941.4	39554	34.187	05.926	371.1		
10/05/2005	278	15:45	-51 55.839	-098 22.398	08.6	286.0	4747	4765	8938.2	39577	34.179	05.877	371.2		
10/05/2005	278	16:00	-51 55.246	-098 25.927	09.2	285.4	4521	4493	8934.9	39591	34.174	05.873	371.2		
10/05/2005	278	16:15	-51 54.677	-098 29.404	09.0	283.9	4710	5026	8026.4	39615	34.173	05.864	370.4		
10/05/2005	278	16:30	-51 54.190	-098 32.948	09.0	285.6	4592	4998	8929.4	39644	34.176	05.870	370.8		
10/05/2005	278	16:45	-51 53.605	-098 36.493	09.1	298.5	4687	4682	8926.5	39702	34.174	05.881	370.6		ship turns about 10 deg towards next waypoint
10/05/2005	278	17:00	-51 52.439	-098 39.588	09.1	303.1	4646	4654	8919.6	39724	34.180	05.957	370.7		
10/05/2005	278	17:15	-51 51.212	-098 42.647	09.2	302.3	4598	4948	8923.7	39707	34.187	05.975	372.5		
10/05/2005	278	17:30	-51 49.982	-098 45.745	09.3	304.9	4524	4540	8924.9	39673	34.187	05.962	372.6		
10/05/2005	278	17:45	-51 48.692	-098 48.745	08.8	302.5	4677	4975	8923.7	39632	34.187	05.962	372.6		
10/05/2005	278	18:00	-51 47.405	-098 51.698	09.4	303.7	4553	4559	8918.8	39636	34.187	05.962	371.5		
10/05/2005	278	18:15	-51 46.179	-098 54.495	08.6	288.2	4521	4590	8918.5	39676	34.186	05.957	371.6		
10/05/2005	278	18:30	-51 45.505	-098 57.842	09.1	283.2	4572	4910	8925.6	39761	34.185	05.933	371.7		ship turns about 10 deg towards next waypoint
10/05/2005	278	18:45	-51 44.982	-098 01.261	09.0	284.2	4550	4554	8926.6	39800	34.180	05.920	371.7		
10/05/2005	278	19:00	-51 44.402	-099 04.573	06.7	287.8	4744	4844	8916.0	39829	34.180	05.926	371.6		Lydia off, Marcel on
10/05/2005	278	19:15	-51 43.827	-099 07.945	08.6	286.7	4718	4656	8518.2	39883	34.179	05.934	371.7		
10/05/2005	278	19:30	-51 43.272	-099 11.304	08.1	285.2	4756	4829	8871.4	39963	34.179	05.919	371.6		
10/05/2005	278	19:45	-51 42.764	-099 14.148	08.3	285.6	4892	4842	8900.5	40033	34.176	05.926	371.5		
10/05/2005	278	20:00	-51 42.277	-099 16.396	05.7	280.3	4744	4736	8893.4	40057	34.176	05.943	371.7	Slowed down to 6 knots for XBT, 3 failed	
10/05/2005	278	20:15	-51 41.857	-099 18.929	08.1	277.7	4633	4632	8896.1	40042	34.179	05.962	371.2	Slowed down to 4 knots for XBT, 1 failed	
10/05/2005	278	20:30	-51 41.492	-099 21.968	07.8	289.2	4578	4562	8911.2	39985	34.182	05.947	371.8	Stop XBT's for the moment until better weather. Speed up.	
10/05/2005	278	20:45	-51 40.906	-099 25.158	08.6	286.0	4526	4926	8993.3	39933	34.185	05.981	372.3		
10/05/2005	278	21:00	-51 40.331	-099 28.491	08.9	283.1	4526	4862	8913.5	39922	34.186	06.055	372.3		
10/05/2005	278	21:15	-51 39.760	-099 31.763	08.4	283.9	4514	4833	8914.0	39927	34.187	06.088	370.8		
10/05/2005	278	21:30	-51 38.982	-099 36.776	08.3	285.0	4537	4624	8912.3	39997	34.186	06.098	370.8		
10/05/2005	278	21:45	-51 38.042	-099 38.226	10.5	318.9	4536	4372	8906.1	40052	34.191	06.078	370.8		
10/05/2005	278	22:00	-51 36.734	-099 39.898	07.7	321.7	4549	4959	8892.0	40095	34.191	06.078	371.0		
10/05/2005	278	22:15	-51 33.247	-099 44.394	10.1	322.4	4237	4293	8898.1	39891	34.192	06.080	371.9		
10/05/2005	278	22:30	-51 33.076	-099 44.596	09.8	323.8	4267	4944	8899.6	39893	34.190	06.085	371.9		
10/05/2005	278	22:45	-51 30.840	-099 47.519	09.4	322.3	4275	4751	8898.6	40255	34.188	06.122	371.9	Bathy 2000 restarted. Down between 22:33 to 22:43	
10/05/2005	278	23:00	-51 29.120	-099 49.801	09.9	308.1	4445	4297	8890.1	40398	34.185	06.190	370.7		
10/05/2005	278	23:15	-51 28.460	-099 53.653	09.1	284.4	4619	4995	8906.2	40385	34.187	06.211	370.4		
10/05/2005	278	23:30	-51 27.954	-099 56.831	09.2	281.9	4552	4388	8902.1	40418	34.186	06.215	370.0		
10/05/2005	278	23:45	-51 27.591	-100 00.313	08.9	279.8	4307	4335	8909.5	40395	34.188	06.214	369.9		
10/06/2005	279	00:00	-51 27.346	-100 03.977	09.7	252.7	4576	4367	8907.9	40391	34.184	06.190	369.8	Marcel off, Stuart on	
10/06/2005	279	00:15	-51 28.022	-100 07.412	09.3	252.5	4364	4435	8905.4	40353	34.180	06.185	369.8		
10/06/2005	279	00:30	-51 28.724	-100 10.797	09.0	253.3	4334	4301	8908.1	40273	34.180	06.168	368.7		

10/06/2005	279	00:45	-51 29.420	-100 14.280	09.5	255.1	4082	4067	8913.2	40195	34.183	06.142	369.1	Stuart out, Rolly in
10/06/2005	279	01:00	-51 30.061	-100 17.775	09.0	254.8	4216	4207	8911.1	40123	34.181	06.164	368.8	
10/06/2005	279	01:15	-51 30.720	-100 21.426	09.1	252.9	4418	4363	8906.7	40080	34.182	06.162	368.8	
10/06/2005	279	01:30	-51 31.387	-100 25.005	09.1	255.2	4433	4403	8900.9	40162	34.182	06.170	368.6	
10/06/2005	279	01:45	-51 31.928	-100 28.634	09.4	280.2	4635	4667	8895.4	40254	34.184	06.190	368.9	
10/06/2005	279	02:00	-51 31.101	-100 32.250	09.0	289.6	4531	4594	8886.7	40259	34.184	06.201	368.9	
10/06/2005	279	02:15	-51 30.314	-100 35.647	09.3	290.9	4815	4816	8881.8	40287	34.183	06.193	369.1	
10/06/2005	279	02:30	-51 29.509	-100 39.234	09.0	287.7	4819	5152	8878.1	40337	34.183	06.192	369.3	
10/06/2005	279	02:45	-51 28.626	-100 42.664	09.7	293.8	4706	4687	8879.2	40248	34.181	06.181	369.2	
10/06/2005	279	03:00	-51 27.405	-100 46.720	09.7	297.2	4472	4598	8876.9	40231	34.181	06.191	369.5	
10/06/2005	279	03:15	-51 26.544	-100 49.552	09.7	293.5	4540	4575	8885.5	40246	34.182	06.183	369.1	
10/06/2005	279	03:30	-51 25.704	-100 53.059	09.6	292.2	4367	4588	8885.2	40327	34.184	06.157	369.1	
10/06/2005	279	03:45	-51 24.880	-100 56.601	09.5	288.7	4212	4317	8882.9	40482	34.187	06.159	369.1	
10/06/2005	279	04:00	-51 24.072	-101 00.130	09.3	290.0	4618	4363	8883.4	40521	34.190	06.144	370.1	
10/06/2005	279	04:15	-51 23.247	-101 03.709	09.7	293.7	4325	4307	8884.5	40516	34.196	06.130	370.8	
10/06/2005	279	04:30	-51 22.326	-101 07.065	09.6	292.9	4063	4063	8883.5	40586	34.188	06.183	370.5	
10/06/2005	279	04:45	-51 21.420	-101 10.449	09.4	294.3	4046	4042	8887.0	40564	34.189	06.197	369.9	
10/06/2005	279	05:00	-51 20.369	-101 13.950	09.5	294.9	4181	4154	8885.6	40457	34.198	06.207	370.2	
10/06/2005	279	05:15	-51 18.912	-101 18.823	09.5	299.5	4355	4336	8878.9	40402	34.199	06.184	370.2	
10/06/2005	279	05:30	-51 18.168	-101 21.073	09.0	299.0	4158	4063	8879.4	40349	34.198	06.364	371.0	
10/06/2005	279	05:45	-51 16.994	-101 24.570	09.7	297.0	4050	3878	8880.7	40359	34.198	06.180	371.4	
10/06/2005	279	06:00	-51 16.026	-101 27.570	09.8	298.5	4209	4116	8885.8	40419	34.200	06.190	371.0	
10/06/2005	279	06:15	-51 14.971	-101 30.644	09.6	297.0	4171	4135	8876.2	40560	34.202	06.185	371.4	
10/06/2005	279	06:30	-51 13.490	-101 35.537	09.5	299.0	4126	4522	8875.8	40533	34.202	06.186	371.7	
10/06/2005	279	06:45	-51 12.799	-101 37.821	09.3	296.0	4184	4220	8877.7	40533	34.202	06.201	371.7	
10/06/2005	279	07:00	-51 11.824	-101 40.798	09.8	280.5	4314	4306	8866.2	40650	34.202	06.161	371.7	
10/06/2005	279	07:15	-51 13.223	-101 44.407	09.6	226.3	4256	4247	8870.0	40667	34.211	06.104	372.6	
10/06/2005	279	07:30	-51 15.211	-101 47.794	10.2	226.1	3884	4426	8882.4	40771	34.206	06.054	374.2	
10/06/2005	279	07:45	-51 16.430	-101 49.759	09.9	226.0	3904	3898	8885.3	40745	34.205	06.062	373.9	
10/06/2005	279	08:00	-51 18.133	-101 52.591	09.9	225.5	4019	4315	8882.6	40690	34.205	06.060	273.8	
10/06/2005	279	08:15	-51 19.851	-101 55.386	09.9	224.5	4330	4266	8876.1	40704	34.203	06.075	373.5	
10/06/2005	279	08:30	-51 22.048	-101 58.848	09.9	224.9	4583	4174	8877.7	40638	34.204	06.072	373.4	
10/06/2005	279	08:45	-51 23.356	-102 01.782	10.3	225.7	4554	4476	8873.5	40505	34.204	06.046	373.2	
10/06/2005	279	09:00	-51 25.763	-102 08.153	10.0	276.6	4245	4234	8895.7	40684	34.205	06.122	373.3	
10/06/2005	279	09:15	-51 25.688	-102 09.134	09.7	279.1	4369	4478	8895.5	40741	34.207	06.121	373.2	
10/06/2005	279	09:30	-51 25.414	-102 12.463	10.5	278.0	4529	4535	8887.7	40941	34.206	06.123	373.0	
10/06/2005	279	09:45	-51 25.193	-102 15.219	09.5	276.4	4490	4480	8889.5	40999	34.207	06.060	373.1	
10/06/2005	279	10:00	-51 24.901	-102 18.854	09.7	279.0	4541	4289	8892.8	41066	34.205	05.988	373.8	
10/06/2005	279	10:15	-51 24.612	-102 22.742	09.9	274.5	4292	4284	8891.1	41117	34.206	06.037	373.8	
10/06/2005	279	10:30	-51 24.315	-102 26.309	09.4	279.4	4419	4445	8892.3	41106	34.201	05.990	374.3	
10/06/2005	279	10:45	-51 23.991	-102 30.343	09.7	278.4	4477	4566	8894.2	41047	34.200	05.990	374.8	
10/06/2005	279	11:00	-51 23.604	-102 34.252	09.6	279.7	4331	4146	8895.1	41010	34.201	05.986	374.3	
10/06/2005	279	11:15	-51 23.230	-102 37.974	09.8	278.2	4302	4291	8893.0	40861	34.201	05.996	373.5	
10/06/2005	279	11:30	-51 22.880	-102 41.762	09.7	277.8	4232	4166	8895.2	40757	34.199	05.993	373.3	
10/06/2005	279	11:45	-51 22.566	-102 46.204	09.4	277.6	4001	3987	8904.0	41912	34.200	05.987	373.1	
10/06/2005	279	12:00	-51 22.205	-102 49.355	09.9	277.2	4010	4082	8906.9	40967	34.199	05.981	373.1	
10/06/2005	279	12:15	-51 21.887	-102 53.259	09.2	276.3	4006	4389	8905.7	41006	34.199	05.994	373.1	
10/06/2005	279	12:30	-51 21.575	-102 57.636	10.1	275.6	4055	4089	8901.0	40993	34.201	06.053	373.4	
10/06/2005	279	12:45	-51 21.370	-103 00.869	10.0	276.3	3974	3951	8901.1	40968	34.205	06.057	373.5	
10/06/2005	279	13:00	-51 22.586	-103 04.187	09.9	245.4	3881	3867	8889.4	40993	34.204	06.040	372.7	
10/06/2005	279	13:15	-51 23.600	-103 07.640	10.0	245.7	4092	4101	8891.4	41033	34.204	06.053	372.8	
10/06/2005	279	13:30	-51 24.554	-103 11.110	10.0	248.1	4530	4533	8889.5	41069	34.207	06.033	372.7	
10/06/2005	279	13:45	-51 25.564	-103 14.709	09.8	246.1	4432	4429	8886.2	41135	34.203	06.038	373.0	
10/06/2005	279	14:00	-51 26.533	-103 18.154	10.2	245.6	4392	4416	8888.7	41214	34.202	06.024	373.0	Mimi off

10/06/2005	279	14:15	-51 26.365	-103 21.678	09.6	282.3	3920	3911	8905.5	41293	34.201	06.081	373.9	Lydia on, ship turns 40 deg to next waypoint
10/06/2005	279	14:30	-51 25.782	-103 25.483	10.2	283.4	4004	4052	8906.3	41307	34.207	06.181	372.2	
10/06/2005	279	14:45	-51 25.100	-103 29.175	09.1	289.3	4216	4279	8899.8	41259	34.212	06.198	371.5	
10/06/2005	279	15:00	-51 24.424	-103 32.865	10.1	284.2	4122	4129	8898.6	41193	34.212	06.222	371.7	
10/06/2005	279	15:15	-51 23.822	-103 36.671	09.2	283.8	3995	3985	8895.4	41154	34.209	06.216	371.7	
10/06/2005	279	15:30	-51 23.234	-103 40.410	07.1	288.1	4103	4068	8892.5	41164	34.210	06.212	370.8	
10/06/2005	279	15:45	-51 22.729	-103 43.278	09.2	286.9	4130	4127	8874.2	41187	34.205	06.221	370.5	
10/06/2005	279	16:00	-51 22.068	-103 46.901	09.7	285.2	4100	4190	8890.4	41227	34.210	06.221	370.4	
10/06/2005	279	16:15	-51 21.412	-103 50.668	09.5	282.7	4055	4023	8890.7	41271	34.213	06.217	370.2	
10/06/2005	279	16:30	-51 20.807	-103 54.402	09.5	286.3	3996	4040	8891.2	41280	34.211	06.220	370.2	
10/06/2005	279	16:45	-51 20.207	-103 58.070	09.6	287.0	4196	4376	8891.8	41267	34.208	06.248	370.5	
10/06/2005	279	17:00	-51 19.652	-104 02.120	10.0	276.1	4521	4547	8881.6	41246	34.211	06.224	370.5	ship turns 10 deg to next waypoint
10/06/2005	279	17:15	-51 19.268	-104 06.986	10.0	277.4	4257	4214	8884.1	41390	34.210	06.218	371.2	
10/06/2005	279	17:30	-51 18.988	-104 10.054	10.1	279.4	4165	4149	8888.5	41377	34.209	06.212	370.7	
10/06/2005	279	17:45	-51 18.531	-104 13.847	10.5	283.5	4139	4499	8889.5	41276	34.211	06.218	370.7	ship turns 20 deg to next waypoint lydia off, Marcel on
10/06/2005	279	18:00	-51 17.833	-104 17.809	10.4	282.6	4118	4100	8890.5	41282	34.208	06.288	370.2	
10/06/2005	279	18:15	-51 17.216	-104 21.689	10.2	282.5	4178	4213	8887.7	41338	34.213	06.305	369.2	
10/06/2005	279	18:30	-51 17.007	-104 25.607	09.9	270.6	4314	4298	8888.5	41406	34.214	06.302	369.2	
10/06/2005	279	18:45	-51 16.619	-104 29.452	10.2	288.7	4273	4253	8887.8	41407	34.205	06.356	369.9	
10/06/2005	279	19:00	-51 15.734	-104 33.265	10.2	290.2	4104	4090	8884.2	41350	34.204	06.342	368.8	
10/06/2005	279	19:15	-51 15.065	-104 37.164	09.9	280.1	4263	4262	8883.1	41399	34.202	06.363	368.9	
10/06/2005	279	19:30	-51 14.655	-104 41.028	10.3	276.8	3843	4270	8889.2	41449	34.202	06.371	368.3	
10/06/2005	279	19:45	-51 14.370	-104 44.915	10.1	277.4	4140	4194	8885.9	41491	34.203	06.374	367.9	
10/06/2005	279	20:00	-51 13.940	-104 49.190	10.3	287.2	4192	3208	8881.4	41515	34.202	06.376	368.0	
10/06/2005	279	20:15	-51 13.161	-104 52.970	09.9	293.6	4008	3904	8885.3	41629	34.199	06.382	368.0	
10/06/2005	279	20:30	-51 12.168	-104 56.645	10.3	294.5	3784	3980	8890.4	41686	34.199	06.385	367.9	
10/06/2005	279	20:45	-51 11.465	-105 00.803	09.4	282.7	3771	3828	8887.6	41552	34.200	06.387	367.8	
10/06/2005	279	21:00	-51 11.020	-105 04.312	10.4	282.1	3883	3571	8890.4	41542	34.202	06.377	367.7	
10/06/2005	279	21:15	-51 10.531	-105 08.215	10.1	280.7	3796	3808	8893.1	41583	34.202	06.367	367.3	Marcel off, Stuart on
10/06/2005	279	21:30	-51 10.074	-105 11.880	06.6	282.0	3794	4345	8869.8	41702	34.205	06.349	367.2	
10/06/2005	279	21:45	-51 10.077	-105 14.992	09.8	258.0	4159	4259	8878.3	41718	34.204	06.357	367.2	
10/06/2005	279	22:00	-51 10.549	-105 18.750	09.5	269.4	4001	3806	8873.7	41788	34.204	06.369	367.2	
10/06/2005	279	22:15	-51 09.561	-105 22.251	09.9	299.7	4418	4267	8867.0	41791	34.202	06.374	367.8	
10/06/2005	279	22:30	-51 08.130	-105 25.288	09.8	348.2	4195	4394	8865.4	41763	34.202	06.425	367.5	
10/06/2005	279	22:45	-51 05.002	-105 25.072	09.6	356.2	3367	3836	8829.7	41704	34.207	06.435	368.6	
10/06/2005	279	23:00	-51 03.227	-105 25.994	10.2	311.9	3327	3252	8848.1	41741	34.207	06.413	368.6	
10/06/2005	279	23:15	-51 01.778	-105 29.246	09.8	278.6	3358	3374	8861.4	41811	34.208	06.462	368.0	
10/06/2005	279	23:30	-51 01.671	-105 31.710	09.7	273.1	3472	3471	8865.7	41864	34.208	06.473	368.0	
10/06/2005	279	23:45	-51 01.545	-105 36.893	09.8	273.1	3876	3766	8863.6	41701	34.209	06.475	367.9	
10/07/2005	280	00:00	-51 01.494	-105 40.742	09.6	270.6	3708	3940	8867.0	41690	34.209	06.490	368.1	slowing for Argo deployment
10/07/2005	280	00:15	-51 01.393	-105 44.657	09.6	286.4	3550	4764	8874.5	41665	34.210	06.489	367.7	
10/07/2005	280	00:30	-50 59.234	-105 46.778	10.2	335.1	4829	4852	8827.0	41633	34.212	06.470	367.8	
10/07/2005	280	00:45	-50 57.000	-105 48.348	10.6	332.7	4642	4724	8806.2	41672	34.210	06.505	368.3	
10/07/2005	280	01:00	-50 54.653	-105 50.259	10.8	334.2	4225	4463	8804.1	41586	34.212	06.480	367.4	
10/07/2005	280	01:15	-50 52.312	-105 52.126	10.4	334.5	4078	4082	8810.8	41456	34.213	06.387	367.4	
10/07/2005	280	01:30	-50 49.963	-105 53.954	10.5	332.4	3735	4408	8822.2	41651	34.214	06.346	369.3	
10/07/2005	280	01:46	-50 47.669	-105 55.639	05.3	337.6	3817		8818.3	41716	34.212	06.419	369.8	
10/07/2005	280	02:00	-50 46.238	-105 56.900	10.2	308.1	3874	3744	8819.7	41599	34.209	06.531	369.3	
10/07/2005	280	02:15	-50 45.785	-106 00.672	09.9	268.3	3909	3848	8845.2	41710	34.210	06.544	366.9	
10/07/2005	280	02:30	-50 45.810	-106 04.610	09.8	268.3	4020	3998	8853.8	41879	34.207	06.543	366.7	
10/07/2005	280	02:45	-50 46.166	-106 08.517	10.1	251.9	3588	3566	8853.9	41876	34.210	06.513	366.6	
10/07/2005	280	03:00	-50 46.751	-106 11.274	08.2	250.7	3605	3585	8829.6	41843	34.205	06.540	367.6	
10/07/2005	280	03:15	-50 47.241	-106 15.018	10.1	278.9	3592	3571	8848.0	41874	34.209	06.518	366.9	
10/07/2005	280	03:30	-50 46.705	-106 18.916	09.9	282.7	3738	3720	8850.2	41900	34.216	06.348	367.2	

10/07/2005	280	03:45	-50 46.200	-106 22.884	09.8	276.7	3664	3610	8851.0	41943	34.211	06.338	369.2					
10/07/2005	280	04:00	-50 44.818	-106 26.158	10.4	323.0	3777	3773	8826.2	41892	34.210	06.350	369.3					
10/07/2005	280	04:15	-50 42.910	-106 28.629	10.5	319.5	3742	3622	8825.2	41851	34.215	06.378	369.2					
10/07/2005	280	04:30	-50 51.210	-106 31.710	10.4	284.7	3612	3670	8829.1	41774	34.204	06.520	369.2					
10/07/2005	280	04:45	-50 40.771	-106 35.626	10.4	277.4	3956	3712	8836.5	42111	34.221	06.525	371.0					
10/07/2005	280	05:00	-50 40.397	-106 39.625	10.2	277.0	4066	4000	8834.9	42113	34.221	06.518	371.4				Stuart off	Rolly on
10/07/2005	280	05:15	-50 39.788	-106 39.625	10.4	283.4	3892	3860	8833.9	42094	34.220	06.541	370.6					
10/07/2005	280	05:30	-50 39.185	-106 47.641	10.2	285.4	3831	3758	8833.8	41953	34.217	06.611	370.5					
10/07/2005	280	05:45	-50 38.733	-106 51.611	10.3	275.9	3700	4043	8840.1	41755	34.214	06.672	369.3					
10/07/2005	280	06:00	-50 38.223	-106 56.810	10.1	282.5	3868	3815	8833.8	41934	34.213	06.660	368.8					
10/07/2005	280	06:15	-50 37.891	-106 59.889	10.4	283.3	3677	3750	8837.1	42113	34.212	06.658	368.8					
10/07/2005	280	06:30	-50 37.137	-107 04.346	10.3	283.2	3769	3676	8837.7	41834	34.213	06.674	368.5					
10/07/2005	280	06:45	-50 36.739	-107 07.438	09.9	276.6	3721	3770	8837.1	41845	34.215	06.672	369.1					
10/07/2005	280	07:00	-50 36.425	-107 11.596	10.2	281.3	3875	3888	8832.1	41902	34.212	06.676	369.3					
10/07/2005	280	07:15	-50 35.928	-107 15.019	10.5	282.5	3784	3862	8830.7	41906	34.215	06.631	368.9					
10/07/2005	280	07:30	-50 35.263	-107 19.429	10.6	283.7	4005	3741	0883.1	42267	34.221	06.465	369.5					
10/07/2005	280	07:45	-50 34.632	-107 25.223	10.5	279.0	3905	3936	8828.8	42338	34.216	06.603	369.5					
10/07/2005	280	08:00	-50 34.247	-107 27.469	10.4	280.2	3938	4015	8827.3	42287	34.218	06.630	371.0					
10/07/2005	280	08:15	-50 33.853	-107 32.695	10.4	274.5	3557	3459	8834.0	42244	34.332	06.386	370.4					
10/07/2005	280	08:30	-50 33.737	-107 35.674	10.4	272.1	3532	3447	8836.2	42320	34.217	03.405	370.8					
10/07/2005	280	08:45	-50 33.639	-107 39.337	09.9	273.1	3540	3524	8837.3	42275	34.217	06.462	370.2					
10/07/2005	280	09:00	-50 33.416	-107 47.741	10.5	273.2	3714	3814	8830.9	42250	34.229	06.770	370.2					
10/07/2005	280	09:15	-50 33.387	-107 48.947	10.4	272.3	3619	3551	8827.1	42261	34.225	06.517	370.2					
10/07/2005	280	09:30	-50 33.328	-107 51.379	10.4	270.5	3833	3774	8825.8	42237	34.221	06.605	370.2					
10/07/2005	280	09:45	-50 33.236	-107 55.550	10.3	270.9	3642	3625	8825.1	42195	34.223	06.491	370.2				rolly off, mimi on	
10/07/2005	280	10:00	-50 33.086	-107 59.458	10.4	274.4	3328	3360	8828.9	42300	34.224	06.415	370.9					
10/07/2005	280	10:15	-50 32.900	-108 03.730	10.3	273.4	3390	3388	8828.9	42254	34.220	06.413	370.4					
10/07/2005	280	10:30	-50 32.753	-108 07.988	10.7	272.4	3377	3361	8831.6	42218	34.221	06.443	370.1					
10/07/2005	280	10:45	-50 32.632	-108 11.974	10.5	273.6	3507	3404	8828.6	42297	34.222	06.488	370.0					
10/07/2005	280	11:00	-50 32.511	-108 16.094	10.6	272.2	3461	3628	8833.1	42379	34.221	06.539	370.3					
10/07/2005	280	11:15	-50 32.431	-108 20.216	10.7	270.8	3340	3575	8829.6	42544	34.216	06.576	370.3					
10/07/2005	280	11:30	-50 32.340	-108 24.259	10.6	271.9	3403	3381	8828.3	42625	34.223	06.531	370.6					
10/07/2005	280	11:45	-50 32.212	-108 28.519	10.8	272.6	3593	3543	8822.5	42609	34.223	06.563	370.6					
10/07/2005	280	12:00	-50 32.086	-108 32.677	10.8	273.1	3578	3519	8821.4	42641	34.225	06.553	370.7					
10/07/2005	280	12:15	-50 31.644	-108 36.795	10.9	284.8	3565	3550	8820.3	42648	34.228	06.467	370.6					
10/07/2005	280	12:30	-50 30.907	-108 41.059	10.9	282.0	3503	3530	8820.7	42705	34.223	06.484	370.0					
10/07/2005	280	12:45	-50 30.351	-108 45.068	11.0	281.7	3299	3383	8821.0	42796	34.224	06.490	370.0					
10/07/2005	280	13:00	-50 29.781	-108 49.133	10.9	282.8	3522	3484	8820.2	42822	34.224	06.500	370.0					
10/07/2005	280	13:15	-50 29.103	-108 53.262	10.8	285.8	3440	3471	8824.0	42801	34.222	06.529	370.0					
10/07/2005	280	13:30	-50 28.607	-108 58.004	07.5	287.0	3580	3537	8807.8	42738	34.216	06.659	369.7				slowed for deployment of Argo float	
10/07/2005	280	13:45	-50 27.983	-109 00.193	07.7	284.4	3438	3427	8800.4	42631	34.217	06.657	369.0					
10/07/2005	280	14:00	-50 27.402	-109 04.146	11.0	282.7	3387	3392	8818.7	42529	34.221	06.591	368.9					
10/07/2005	280	14:15	-50 26.789	-109 08.238	10.8	281.6	3322	3314	8816.3	42558	34.218	06.685	369.1				Mimi off	
10/07/2005	280	14:30	-50 26.200	-109 12.274	11.0	281.4	3338	3305	8822.8	42606	34.208	06.774	369.1				Lydia on	
10/07/2005	280	14:45	-50 25.601	-109 16.391	11.1	282.7	3312	3873	8819.5	42864	34.216	06.712	369.4					
10/07/2005	280	15:00	-50 24.962	-109 20.603	10.6	282.8	3226	3285	8819.9	42918	34.226	06.557	369.8					
10/07/2005	280	15:15	-50 24.280	-109 24.729	11.0	287.4	3335	3284	8820.5	42702	34.227	06.557	370.4					
10/07/2005	280	15:30	-50 23.484	-109 28.857	11.1	286.2	3358	3326	8816.8	42500	34.226	06.547	370.7					
10/07/2005	280	15:45	-50 22.787	-109 32.992	10.8	282.1	3353	3333	8814.6	42584	34.223	06.611	370.9					
10/07/2005	280	16:00	-50 22.189	-109 37.117	10.9	280.1	3336	3320	8814.6	42638	34.226	06.614	370.8					
10/07/2005	280	16:15	-50 21.581	-109 41.361	10.9	280.6	3324	3302	8814.1	42716	34.228	06.626	370.2					
10/07/2005	280	16:30	-50 21.021	-109 45.317	11.0	282.8	3403	3362	8815.2	42811	34.230	06.626	370.7					
10/07/2005	280	16:45	-50 20.357	-109 46.423	10.9	283.3	3308	3363	8814.4	43033	34.222	06.635	370.5					
10/07/2005	280	17:00	-50 19.729	-109 53.570	11.0	279.9	3348	3356	8812.8	42913	34.220	06.637	369.2					

10/07/2005	280	17:15	-50 19.320	-109 56.952	08.7	283.1	3281	3739	8798.1	42849	34.225	06.635	369.9
10/07/2005	280	17:30	-50 18.948	110 00.966	12.2	278.6	3195	3183	8821.4	42940	34.221	06.630	369.7
10/07/2005	280	17:45	-50 18.532	-110 05.834	12.7	277.8	3277	3325	8819.1	42859	34.224	06.649	369.7
10/07/2005	280	18:00	-50 18.134	-110 10.450	12.7	280.5	3385	3283	8819.6	42737	34.219	06.649	369.6
10/07/2005	280	18:15	-50 17.645	-110 15.505	12.4	278.0	3285	3252	8821.0	42849	34.220	06.651	369.5
10/07/2005	280	18:30	-50 17.091	-110 20.364	12.8	281.4	3441	3400	8861.0	43068	34.216	06.619	369.9
10/07/2005	280	18:45	-50 16.532	-110 25.212	12.4	280.4	3495	3494	8807.7	42881	34.224	06.649	369.8
10/07/2005	280	19:00	-50 16.010	-110 29.810	12.6	281.1	3550	3500	8808.4	42916	34.233	06.678	371.3
10/07/2005	280	19:15	-50 15.391	-110 35.126	12.7	280.5	3485	3900	8811.0	43050	34.240	06.687	371.0
10/07/2005	280	19:30	-50 14.827	-110 39.945	12.7	279.4	3278	3626	8811.7	42946	34.237	06.720	371.0
10/07/2005	280	19:45	-50 13.727	-110 44.517	12.9	293.5	3556	3616	8789.9	42772	34.244	06.680	371.9
10/07/2005	280	20:00	-50 12.393	-110 49.233	13.0	294.4	3537	3523	8799.9	43304	34.243	06.698	372.6
10/07/2005	280	20:15	-50 11.116	-110 53.524	12.5	295.9	3279	3281	8803.0	43076	34.247	06.685	327.6
10/07/2005	280	20:30	-50 09.686	-110 58.136	12.9	296.9	3166	3159	8802.5	42837	34.242	06.687	373.1
10/07/2005	280	20:45	-50 07.863	-111 03.294	13.0	299.0	3548	3565	8791.6	43349	34.244	06.697	372.9
10/07/2005	280	21:00	-50 05.531	-111 07.559	12.5	313.3	3429	3421	8771.8	42977	34.245	06.685	372.9
10/07/2005	280	21:15	-50 03.642	-111 10.265	12.4	320.6	3480	3458	8777.1	42956	34.228	06.713	371.8
10/07/2005	280	21:30	-50 02.118	-111 13.654	12.8	301.7	3551	3518	8779.0	42971	34.230	06.717	371.8
10/07/2005	280	21:45	-50 01.248	-111 18.246	12.7	270.7	3495	3496	8789.2	42944	34.229	06.753	371.0
10/07/2005	280	22:00	-50 01.545	-111 23.040	12.8	256.6	3046	3248	8797.2	42665	34.225	06.766	369.5
10/07/2005	280	22:15	-50 02.248	-111 27.758	12.4	255.9	3192	3734	8795.7	42607	34.222	06.767	369.8
10/07/2005	280	22:30	-50 02.997	-111 32.378	12.4	255.2	3365	3335	8791.3	42755	34.235	06.719	369.7
10/07/2005	280	22:45	-50 03.801	-111 37.053	12.5	255.4	3306	3352	8794.2	42927	34.238	06.712	369.7
10/07/2005	280	23:00	-50 04.225	-111 42.356	12.5	284.1	3309	3606	8799.8	43389	34.235	06.698	371.1
10/07/2005	280	23:15	-50 03.632	-111 46.396	12.1	283.7	3235	3216	8796.0	43736	34.236	06.708	370.5
10/07/2005	280	23:30	-50 02.878	-111 51.140	12.7	284.0	3278	3256	8796.6	43264	34.244	06.737	371.9
10/07/2005	280	23:45	-50 02.320	-111 54.315	05.3	287.8	3243	3778	8761.7	43113	34.241	06.736	370.3
10/08/2005	281	00:00	-50 01.506	-111 56.318	12.4	268.8	3328	3307	8775.7	43392	34.239	06.714	369.6
10/08/2005	281	00:15	-50 01.425	-112 00.306	05.2	285.2	3182	3163	8784.5	43371	34.235	06.733	369.7
10/08/2005	281	00:30	-50 01.049	-112 04.037	12.1	277.6	3165	3465	8792.4	43882	34.234	06.718	369.7
10/08/2005	281	00:45	-50 00.501	-112 08.662	12.7	283.5	3121	3121	8798.3	43818	34.240	06.710	368.3
10/08/2005	281	01:00	-49 59.786	-112 13.421	12.6	283.4	3275	3229	8796.6	43829	34.242	06.708	369.7
10/08/2005	281	01:15	-49 59.061	-112 18.200	12.7	284.3	3176	3149	8794.9	43318	34.240	06.734	368.6
10/08/2005	281	01:30	-49 58.347	-112 23.012	12.4	282.3	3075	3042	8792.6	42986	34.239	06.729	368.9
10/08/2005	281	01:45	-49 57.778	-112 27.768	12.9	279.8	2986	2654	8798.0	43019	34.234	06.726	368.3
10/08/2005	281	02:00	-49 57.289	-112 32.639	12.4	281.4	2940	2944	8801.1	43345	34.238	06.753	368.3
10/08/2005	281	02:15	-49 56.712	-112 37.399	12.7	281.3	2941	3015	8799.6	43225	34.237	06.782	368.1
10/08/2005	281	02:30	-49 56.047	-112 42.116	12.3	284.9	2873	2873	8795.5	44012	34.240	06.788	368.2
10/08/2005	281	02:45	-49 55.267	-112 47.068	12.5	285.1	2951	2930	8794.0	43646	34.239	06.752	368.4
10/08/2005	281	03:00	-49 54.513	-112 51.689	12.7	287.9	2890	2924	8794.7	43285	34.231	06.728	367.7
10/08/2005	281	03:15	-49 53.963	-112 56.503	12.5	278.0	2818	2846	8795.5	43262	34.230	06.710	367.7
10/08/2005	281	03:30	-49 54.206	-113 01.105	11.8	228.0	2849	2813	8793.5	43363	34.230	06.704	367.6
10/08/2005	281	03:45	-49 56.232	-113 04.529	11.9	226.9	2794		8788.6	43602	34.227	06.697	367.6
10/08/2005	281	04:00	-49 58.357	-113 07.800	12.1	223.9	2806	2725	8783.0	44003	34.226	06.752	366.7
10/08/2005	281	04:15	-50 00.520	-113 11.039	11.8	224.7	3415	3537	8770.9	44099	34.227	06.708	367.0
10/08/2005	281	04:30	-50 02.411	-113 14.313	12.1	272.1	3633	3613	8762.5	43694	34.225	06.716	367.3
10/08/2005	281	04:45	-50 01.120	-113 18.894	12.5	296.3	3584	3319	8769.6	43603	34.224	06.713	367.6
10/08/2005	281	05:00	-50 00.008	-113 23.533	12.9	286.4	3395	3381	8775.5	44071	34.225	06.915	367.3
10/08/2005	281	05:15	-49 58.872	-113 28.593	13.1	291.9	3290	3361	8776.7	43708	34.223	06.707	367.2
10/08/2005	281	05:30	-49 57.559	-113 33.021	12.8	294.9	3258	3250	8780.2	43128	34.223	06.707	367.6
10/08/2005	281	05:45	-49 56.374	-113 37.289	12.9	291.8	3145	3121	8781.9	42875	34.224	06.707	367.8
10/08/2005	281	06:00	-49 55.133	-113 42.003	13.1	287.5	2878	3131	8786.4	42687	34.223	06.703	367.4
10/08/2005	281	06:15	-49 54.106	-113 46.541	12.7	301.5	2888	2962	8784.3	42463	34.227	06.401	367.9
10/08/2005	281	06:30	-49 52.419	-113 48.702	12.8	326.5	2605	3922	8760.8	42361	34.225	06.713	368.1

3 XBT's, 3rd okay with change of heading & historical database
Marcel off, Stuart on

Bathy momentarily offline

10/08/2005	281	06:45	-49 49.076	-113 52.488	12.5	319.9	2416	2526	8774.5	44096	34.226	06.713	368.0		
10/08/2005	281	07:00	-49 47.118	-113 56.623	06.1	298.7	2992	3230	8773.6	44643	34.222	06.736	368.0		
10/08/2005	281	07:15	-49 45.620	-114 02.623	12.6	294.0	3030	2995	8767.4	44204	34.222	06.712	375.5		
10/08/2005	281	07:30	-49 44.818	-114 06.474	12.6	294.7	2920	3027	8766.5	44165	34.224	06.717	375.6		
10/08/2005	281	07:45	-49 43.816	-114 08.337	12.6	294.9	2705	2667	8766.0	44226	34.225	06.706	375.9		
10/08/2005	281	08:00	-49 42.502	-114 12.428	12.4	295.3	2988	2894	8764.5	44100	34.224	06.714	375.9		
10/08/2005	281	08:15	-49 41.242	-114 16.618	12.4	294.5	2965	2866	8763.0	43455	34.224	06.713	375.5		
10/08/2005	281	08:30	-49 39.870	-114 21.319	12.8	294.0	2670	2727	8770.9	43787	34.222	06.749	375.2		
10/08/2005	281	08:45	-49 38.600	-114 25.671	12.8	294.6	2541	2532	8776.1	43479	34.217	06.783	375.2		
10/08/2005	281	09:00	-49 37.157	-114 30.622	12.7	294.0	2438	2481	8780.0	43245	34.220	06.769	311.2		
10/08/2005	281	09:15	-49 35.967	-114 34.709	13.0	293.8	2547	2584	8874.4	43328	34.230	06.847	311.5		
10/08/2005	281	09:30	-49 34.799	-114 39.401	12.9	280.4	2722	2638	8774.3	43529	34.240	06.884	311.8		rolly off
10/08/2005	281	09:45	-49 34.234	-114 44.076	13.1	279.0	2541	2592	8776.7	43771	34.254	06.894	313.6		mimi on
10/08/2005	281	10:00	-49 33.634	-114 49.052	12.9	279.3	2603	2586	8776.8	44436	34.241	06.870	314.0		
10/08/2005	281	10:15	-49 33.080	-114 53.843	13.1	280.7	2620	2613	8775.2	44390	34.243	06.901	313.4		
10/08/2005	281	10:30	-49 32.513	-114 58.661	12.9	278.1	2432	2497	8771.5	43953	34.245	06.893	256.9		
10/08/2005	281	10:45	-49 31.355	-115 03.243	12.8	296.9	2615	2615	8764.3	43714	34.241	06.900	253.7		
10/08/2005	281	11:00	-49 30.043	-115 07.187	12.5	298.1	2810	2728	8760.0	43520	34.239	06.830	253.5		
10/08/2005	281	11:15	-49 28.459	-115 11.922	12.4	296.6	2924	2961	8745.5	43658	34.218	06.813	252.8		
10/08/2005	281	11:30	-49 27.066	-115 16.216	12.6	283.3	2927	2866	8742.9	44279	34.228	06.889	252.2		
10/08/2005	281	11:45	-49 26.687	-115 20.804	12.6	277.6	2876	2931	8752.1	44470	34.265	06.925	253.3		
10/08/2005	281	12:00	-49 26.324	-115 25.597	12.9	276.6	2828	2927	8753.5	44485	34.288	06.897	253.3		
10/08/2005	281	12:15	-49 25.940	-115 30.481	12.5	275.1	2938	3013	8751.2	44325	34.286	06.936	252.8		
10/08/2005	281	12:30	-49 25.647	-115 35.235	12.6	275.7	3089	3014	8745.5	44446	34.291	06.866	252.2		
10/08/2005	281	12:45	-49 25.334	-115 40.812	12.4	275.5	3029	2942	8744.1	44493	34.281	06.947	253.2		
10/08/2005	281	13:00	-49 24.951	-115 46.633	12.5	276.6	3073	3169	8736.3	44469	34.292	06.935	252.4		
10/08/2005	281	13:15	-49 24.699	-115 49.823	12.7	277.1	3237	3138	8734.8	44572	34.294	06.916	252.2		
10/08/2005	281	13:30	-49 24.374	-115 54.465	12.8	278.0	3186	3118	8732.2	44553	34.290	06.816	252.3		
10/08/2005	281	13:45	-49 24.054	-115 59.146	07.8	277.4	3020	3159	8729.2	44418	34.286	06.765	252.3		
10/08/2005	281	14:00	-49 23.796	-116 01.884	12.5	277.5	3075	3077	8699.1	44353	34.278	06.750	255.9		
10/08/2005	281	14:15	-49 23.522	-116 06.687	12.5	275.6	3105	3087	8732.0	44457	34.278	06.748	255.8		Mimi off
10/08/2005	281	14:30	-49 23.226	-116 11.625	12.8	275.0	3224	3259	8727.8	44580	34.281	06.751	256.0		Lydia on
10/08/2005	281	14:45	-49 22.954	-116 16.307	12.8	274.3	3230	3143	8724.0	44663	34.279	06.745	256.3		
10/08/2005	281	15:00	-49 22.665	-116 21.000	12.7	277.6	3179	3216	8723.8	44959	34.278	06.727	257.0		
10/08/2005	281	15:15	-49 22.015	-116 25.682	12.5	288.6	3069	2944	8719.0	45179	34.277	06.720	256.7		ship turns 10 deg to next waypoint
10/08/2005	281	15:30	-49 20.985	-116 30.212	12.3	289.5	2831	2876	8722.5	44892	34.277	06.771	272.0		
10/08/2005	281	15:45	-49 19.949	-116 34.785	12.6	289.5	2755	2756	8725.7	45031	34.288	06.959	270.8		
10/08/2005	281	16:00	-49 18.941	-116 39.303	12.4	289.0	2654	2806	8729.4	45394	34.302	06.992	270.3		
10/08/2005	281	16:15	-49 17.711	-116 43.685	12.5	293.6	2831	2868	8721.8	45226	34.293	06.946	267.6		
10/08/2005	281	16:30	-49 16.677	-116 48.225	12.5	286.1	2987	4016	8725.3	45643	34.285	06.957	262.8		
10/08/2005	281	16:45	-49 15.731	-116 52.771	12.8	288.1	2934	2784	8725.1	45431	34.295	06.984	261.6		
10/08/2005	281	17:00	-49 14.786	-116 57.173	12.5	287.9	2954	2948	8726.1	45281	34.302	06.987	261.6		
10/08/2005	281	17:15	-49 13.457	-117 02.173	13.0	303.4	3061	3061	8719.8	44691	34.304	06.945	307.4		ship turns about 50 deg to next waypoint
10/08/2005	281	17:30	-49 10.824	-117 04.042	13.4	341.6	3389	3442	8670.8	44551	34.305	06.965	304.8		
10/08/2005	281	17:45	-49 07.784	-117 05.749	12.8	333.3	2969	3046	8667.5	44536	34.303	06.955	304.8		
10/08/2005	281	18:00	-49 04.944	-117 08.175	13.1	326.7	3073	3063	8678.5	44527	34.299	06.971	NA		pCO2 taken offline
10/08/2005	281	18:15	-49 02.810	-117 11.439	12.4	273.9	3187	3171	8686.2	44158	34.307	07.009	NA		ship turns about 55 deg to next waypoint
10/08/2005	281	18:30	-49 02.601	-117 16.324	12.5	272.7	3245	3187	8703.0	44582	34.309	06.976	NA		
10/08/2005	281	18:45	-49 02.416	-117 20.903	12.5	273.8	3157	3139	8700.7	44478	34.308	07.050	NA		
10/08/2005	281	19:00	-49 02.184	-117 25.665	12.5	273.9	3222	3151	8698.7	44197	34.313	07.052	NA		Lydia off, Marcel on
10/08/2005	281	19:15	-49 01.959	-117 30.461	12.7	275.4	3177	3213	8697.9	44318	34.296	07.023	NA		
10/08/2005	281	19:30	-49 01.701	-117 35.160	12.7	272.8	3415	3379	8693.6	44543	34.254	07.104	NA		
10/08/2005	281	19:45	-49 01.445	-117 40.065	12.7	296.5	3531	3432	8688.1	44373	34.257	07.114	NA		
10/08/2005	281	20:00	-48 59.832	-117 44.158	13.0	300.9	3458	3426	8677.6	44423	34.254	07.077	NA		

10/08/2005	281	20:15	-48 57.065	-117 46.423	13.0	340.1	3218	3204	8650.8	44519	34.257	07.067	NA		pCO2 looks okay again
10/08/2005	281	20:30	-48 54.051	-117 48.084	12.6	340.6	3515	3533	8643.5	44434	34.266	07.045	372.4		
10/08/2005	281	20:45	-48 52.900	-117 49.205	12.6	296.7	3494	3522	8643.8	44569	34.274	07.067	371.0		
10/08/2005	281	21:00	-48 52.766	-117 56.364	12.5	267.1	3376	3453	8677.8	44774	34.246	07.156	371.0		
10/08/2005	281	21:15	-48 52.785	-118 00.211	06.0	270.5	3568	3549	8677.0	44608	34.239	07.348	278.1		
10/08/2005	281	21:30	-48 52.596	-118 03.476	12.8	273.2	3395	3378	8677.2	44440	34.237	07.141	368.2		
10/08/2005	281	21:45	-48 52.432	-118 08.045	12.5	273.4	3477	3406	8676.7	44337	34.231	07.148	368.2		
10/08/2005	281	22:00	-48 51.960	-118 12.744	12.7	283.3	3526	3556	8673.5	44150	34.223	07.198	368.6		
10/08/2005	281	22:15	-48 51.580	-118 17.329	12.3	263.2	3616	3552	8673.5	44390	34.225	07.178	367.8		
10/08/2005	281	22:30	-48 51.622	-118 21.950	12.7	287.1	3613	3501	8668.4	44743	34.217	07.183	367.4		
10/08/2005	281	22:45	-48 49.507	-118 25.472	12.9	316.1	3617	3648	8646.9	44638	34.223	07.144	367.6		
10/08/2005	281	23:00	-48 47.191	-118 28.876	12.8	315.5	3630	3629	8647.4	44548	34.218	07.162	367.7		
10/08/2005	281	23:15	-48 44.983	-118 32.114	12.4	316.0	3458	3344	8646.8	44633	34.216	07.199	367.7		
10/08/2005	281	23:30	-48 43.957	-118 36.274	12.7	264.3	3631	3622	8662.0	44388	34.212	07.213	367.0		
10/08/2005	281	23:45	-48 44.298	-118 40.941	12.5	263.7	3650	3637	8662.1	44597	34.215	07.168	367.1		
10/09/2005	282	00:00	-48 44.467	-118 45.838	12.7	266.9	3685	3674	8662.5	44736	34.228	07.175	370.0	Marcel off, Stuart on	
10/09/2005	282	00:15	-48 44.620	-118 50.743	12.6	267.3	3760	3751	8659.9	44798	34.221	07.180	369.1		
10/09/2005	282	00:30	-48 44.828	-118 55.324	12.6	265.3	3810	3797	8656.1	44929	34.238	07.099	368.6		
10/09/2005	282	00:45	-48 44.337	-118 59.844	12.8	296.0	3797	3785	8648.7	44918	34.270	07.068	369.1		
10/09/2005	282	01:00	-48 42.914	-119 04.180	12.7	296.4	3791	3668	8648.6	45003	34.262	07.084	369.1		
10/09/2005	282	01:15	-48 41.726	-119 08.631	12.8	285.9	3621	3691	8653.5	45027	34.258	07.073	371.0		
10/09/2005	282	01:30	-48 40.958	-119 13.448	12.6	286.4	3707	3698	8656.1	44745	34.264	07.071	371.1		
10/09/2005	282	01:45	-48 39.822	-119 17.849	12.8	292.2	3551	3546	8653.0	44688	34.278	07.117	371.9		
10/09/2005	282	02:00	-48 38.597	-119 22.263	13.0	293.1	3550	3672	8653.6	44657	34.283	07.115	371.8		
10/09/2005	282	02:15	-48 38.201	-119 27.044	12.7	274.1	3986	3993	8647.9	44736	34.280	07.117	371.6		
10/09/2005	282	02:30	-48 37.946	-119 31.883	12.8	275.2	3941	3931	8646.2	44995	34.288	07.108	371.6	Bathy being reset	
10/09/2005	282	02:45	-48 37.791	-119 36.734	12.7	290.3	3897	3822	8647.1	44744	34.280	07.107	372.6		
10/09/2005	282	03:00	-48 35.020	-119 39.346	13.3	329.0	3901	3891	8613.1	44614	34.281	07.133	372.2		
10/09/2005	282	03:15	-48 32.278	-119 41.825	13.3	328.4	3833	3827	8614.6	44906	34.262	07.125	370.3		
10/09/2005	282	03:30	-48 31.408	-119 46.154	12.9	264.6	3814	3801	8645.1	44787	34.264	07.131	369.6		
10/09/2005	282	03:45	-48 31.721	-119 50.786	12.6	265.5	3893	3888	8641.8	45077	34.262	07.144	369.8		
10/09/2005	282	04:00	-48 31.907	-119 55.479	12.6	269.8	3862	3860	8637.9	44837	34.262	07.170	370.2		
10/09/2005	282	04:15	-48 31.870	-119 59.667	06.0	279.9	3962	3968	8626.1	44779	34.262	07.177	370.2		
10/09/2005	282	04:30	-48 31.519	-120 03.676	12.0	282.6	3849	3922	8632.4	44917	34.257	07.157	369.6		
10/09/2005	282	04:45	-48 31.011	-120 08.206	12.2	280.2	3934	3933	8630.8	44888	34.260	07.158	370.0		Stuart off , Rolly on
10/09/2005	282	05:00	-48 30.508	-120 12.832	12.4	278.2	4062	4058	8628.5	44051	34.261	07.150	269.8		
10/09/2005	282	05:15	-48 30.027	-120 17.422	12.5	279.3	3965	3960	8629.3	44985	34.259	07.145	370.4		
10/09/2005	282	05:30	-48 29.411	-120 22.184	12.4	280.5	3958	3945	8631.8	45169	34.259	07.154	370.1		
10/09/2005	282	06:00	-48 28.306	-120 26.808	12.5	281.2	4032	4016	8631.2	44916	34.256	07.149	370.3		
10/09/2005	282	06:15	-48 27.505	-120 36.515	12.8	286.5	3974	3975	8628.2	45224	34.253	07.141	369.7		
10/09/2005	282	06:30	-48 26.737	-120 40.424	12.7	286.4	4022	4004	8628.5	45101	34.253	07.143	369.7		
10/09/2005	282	06:45	-48 25.856	-120 45.748	12.6	282.2	4028	4018	8626.9	45270	34.252	07.142	369.8		
10/09/2005	282	07:00	-48 25.394	-120 48.919	12.7	282.7	3695	3905	8626.9	45313	34.251	07.135	370.1		
10/09/2005	282	07:15	-48 24.529	-120 54.372	12.7	287.3	4095	4084	8624.4	45177	34.255	07.141	370.0		
10/09/2005	282	07:30	-48 23.588	-120 59.283	12.4	259.8	4114	4122	8620.5	45230	34.257	07.132	370.0		
10/09/2005	282	07:45	-48 24.088	-120 03.380	12.3	259.4	4237	4235	8616.6	45147	34.257	07.134	369.4		
10/09/2005	282	08:00	-48 24.599	-121 07.842	12.4	261.1	4172	4160	8618.9	45242	34.294	07.145	371.1		
10/09/2005	282	08:15	-48 24.528	-121 12.661	12.6	317.4	4077	4092	8616.6	45142	34.295	07.141	373.0		
10/09/2005	282	08:30	-48 21.663	-121 13.515	13.0	001.1	4144	4560	8557.3	45065	34.289	07.136	373.3		
10/09/2005	282	08:45	-48 18.312	-121 13.390	12.8	001.2	3918	3913	8556.4	45035	34.289	07.156	372.6		
10/09/2005	282	09:00	-48 16.332	-121 13.322	13.0	001.4	3768	3745	8560.1	45035	34.295	07.379	372.8		
10/09/2005	282	09:15	-48 12.705	-121 15.265	12.3	267.7	3661	3712	8622.7	44992	34.296	07.213	372.8		
10/09/2005	282	09:30	-48 13.404	-121 19.682	12.4	252.7	3691	3725	8624.8	44985	34.296	07.190	373.1		
10/09/2005	282	09:45	-48 14.285	-121 23.936	12.2	253.4	3719	3717	8623.5	44987	34.299	07.185	372.8		

10/09/2005	282	10:00	-48 14.137	-121 28.575	12.4	282.3	3798	3887	8622.2	45038	34.294	07.158	373.0		slowed to deploy Argo float
10/05/2005	282	10:15	-48 13.421	-121 33.162	12.7	283.0	4122	4075	8616.7	45319	34.276	07.135	372.3		
10/09/2005	282	10:30	-48 12.743	-121 37.814	12.8	281.5	3907	3885	8618.7	45177	34.275	07.139	372.2		
10/09/2005	282	10:45	-48 12.212	-121 42.331	12.6	279.0	3859	3855	8619.1	45196	34.276	07.133	372.2		
10/09/2005	282	11:00	-48 11.700	-121 46.953	12.6	278.8	3819	3800	8618.9	45337	34.175	07.121	371.7		
10/09/2005	282	11:15	-48 11.165	-121 51.615	12.6	279.4	3922	3934	8617.3	45211	34.266	07.144	371.8		
10/09/2005	282	11:30	-48 10.607	-121 56.330	12.6	279.8	3920	3930	8616.6	45211	34.276	07.149	371.4		
10/09/2005	282	11:45	-48 10.142	-121 59.657	04.3	291.5	3923	3854	8598.5	45184	34.276	07.158	372.2		
10/09/2005	282	12:00	-48 09.470	-121 03.898	12.8	280.9	3992	4075	8611.2	45213	34.283	07.186	372.2		
10/09/2005	282	12:15	-48 09.048	-122 07.710	13.1	284.7	3958	3961	8609.3	45442	34.293	07.224	372.4		
10/09/2005	282	12:30	-48 07.333	-122 11.563	12.6	309.8	3814	3906	8600.6	45486	34.296	07.231	372.4		
10/09/2005	282	12:45	-48 05.249	-122 15.413	12.8	300.9	3876	3969	8600.1	45299	34.297	07.345	371.9		
10/09/2005	282	13:00	-48 03.631	-122 19.341	12.7	302.4	3926	4143	8599.2	45182	34.284	07.354	369.6		
10/09/2005	282	13:15	-48 02.003	-122 23.446	12.3	299.8	4018	3903	8595.0	45299	34.273	07.366	369.0		
10/09/2005	282	13:30	-48 02.170	-122 27.516	12.2	245.1	3915	3938	8597.2	45471	34.273	07.367	368.8		
10/09/2005	282	13:45	-48 03.319	-122 31.889	12.3	259.1	3825	3999	8600.3	45546	34.281	07.364	367.7		
10/09/2005	282	14:00	-48 04.224	-122 36.535	12.5	254.6	4046	4037	8600.6	45544	34.285	07.362	368.9		
10/09/2005	282	14:15	-48 04.825	-122 40.672	12.6	254.6	4074	4187	8599.0	45376	34.290	07.364	368.9		
10/09/2005	282	14:30	-48 05.936	-122 45.363	12.5	251.8	4332	4327	8595.1	45426	34.283	07.353	370.0		
10/09/2005	282	14:45	-48 06.035	-122 49.868	12.5	291.1	4331	4315	8594.3	45351	34.279	07.352	369.5		
10/09/2005	282	15:00	-48 05.030	-122 54.332	13.0	285.9	4329	4322	8592.8	45378	34.289	07.347	369.9		
10/09/2005	282	15:15	-48 04.246	-122 58.994	12.9	284.0	4387	4447	8593.9	45447	34.287	07.375	369.6		
10/09/2005	282	15:30	-48 03.511	-123 03.529	13.0	283.5	4436	4437	8589.8	45528	34.285	07.346	370.0		
10/09/2005	282	15:45	-48 02.683	-123 08.175	13.0	287.5	4458	4463	8587.1	45541	34.285	07.372	370.0		
10/09/2005	282	16:00	-48 01.726	-123 12.762	13.2	287.3	4416	4414	8587.2	45485	34.285	07.338	369.4		
10/09/2005	282	16:15	-48 00.828	-123 17.470	12.9	285.3	4341	4331	8588.9	45471	34.280	07.363	369.8		
10/09/2005	282	16:30	-48 00.053	-123 22.093	12.8	282.1	4338	4327	8588.8	45502	34.285	07.366	369.6		
10/09/2005	282	16:45	-47 59.251	-123 26.860	13.1	286.6	3959	4065	8592.8	45482	34.274	07.341	369.8		
10/09/2005	282	17:00	-47 58.308	-123 31.504	13.1	286.4	4189	4276	8592.1	45643	34.295	07.336	370.4		slowing down for argo 9 deployment
10/09/2005	282	17:15	-47 57.373	-123 36.057	12.8	286.3	4115	4118	8590.1	45732	34.272	07.408	371.2		
10/09/2005	282	17:30	-47 56.479	-123 40.699	13.1	285.5	4020	3993	8590.6	45635	34.272	07.394	371.2		
10/09/2005	282	17:45	-47 55.683	-123 45.378	13.1	283.9	4112	4111	8590.1	45664	34.279	07.393	367.8		
10/09/2005	282	18:00	-47 54.878	-123 50.039	13.0	285.2	4102	4082	8587.6	45695	34.271	07.380	368.3		
10/09/2005	282	18:15	-47 54.003	-123 54.857	12.8	288.1	4249	4235	8583.7	45746	34.278	07.383	368.1		
10/09/2005	282	18:30	-47 53.105	-123 59.300	10.6	284.4	4179	4292	8584.5	45719	34.277	07.385	370.2		
10/09/2005	282	18:45	-47 52.680	-124 01.265	11.4	283.6	4087	4094	8543.7	45706	34.281	07.391	369.5		
10/09/2005	282	19:00	-47 51.976	-124 06.120	13.2	280.9	4260	4130	8584.3	45662	34.282	07.453	369.4		
10/09/2005	282	19:15	-47 51.156	-124 11.370	13.1	283.8	4400	4375	8581.6	45708	34.274	07.462	367.8		
10/09/2005	282	19:30	-47 50.471	-124 15.565	13.0	283.0	4453	4315	8579.4	45672	34.261	07.487	367.3		
10/09/2005	282	19:45	-47 49.701	-124 20.235	13.1	286.1	4280	4277	8581.4	45688	34.251	07.512	366.4		
10/09/2005	282	20:00	-47 48.825	-124 24.943	13.2	284.9	4160	4151	8584.2	45671	34.251	07.546	366.6		
10/09/2005	282	20:15	-47 48.017	-124 29.374	13.1	285.2	4176	4164	8586.4	45672	34.251	07.542	367.3		
10/09/2005	282	20:30	-47 47.232	-124 34.156	12.8	283.2	4229	4212	8584.8	45745	34.252	07.527	367.7		
10/09/2005	282	20:45	-47 46.488	-124 39.344	12.9	282.4	4228	4250	8583.6	45798	34.250	07.575	367.7		
10/09/2005	282	21:00	-47 45.791	-124 43.709	13.1	282.5	4122	4136	8580.2	45808	34.246	07.603	367.7		
10/09/2005	282	21:15	-47 45.086	-124 48.453	13.4	282.5	4342	4307	8576.8	45805	34.243	07.604	367.7		
10/09/2005	282	21:30	-47 44.314	-124 53.762	13.3	281.8	4300	4386	8572.8	45864	34.250	07.560	367.7		
10/09/2005	282	21:45	-47 42.910	-124 57.933	12.9	313.9	4462	4526	8550.1	45940	34.253	07.603	367.7		
10/09/2005	282	22:00	-47 41.743	-125 01.957	13.1	284.8	4535	4547	8558.2	45805	34.257	07.626	367.9		
10/09/2005	282	22:15	-47 40.910	-125 06.790	12.8	284.0	4366	4361	8557.1	45725	34.240	07.844	367.8		
10/09/2005	282	22:30	-47 40.214	-125 11.017	12.8	284.1	4736	4497	8556.8	45761	34.240	07.938	367.8		
10/09/2005	282	22:45	-47 39.484	-125 15.677	12.7	283.4	4692	4675	8554.4	45804	34.240	07.935	365.7		
10/09/2005	282	23:00	-47 38.728	-125 20.354	12.7	284.9	4650	4616	8553.6	45848	34.237	07.890	366.1		
10/09/2005	282	23:15	-47 37.936	-125 24.765	12.8	286.1	4553	4555	8551.5	45891	34.238	07.880	366.3		

10/09/2005	282	23:30	-47 36.879	-125 29.157	12.8	290.9	4830	4781	8544.7	45911	34.245	07.857	366.9	Fire Drill at 23:50
10/09/2005	282	23:45	-47 35.810	-125 33.633	12.7	288.7	4797	4817	8541.7	45907	34.241	07.840	366.9	
10/10/2005	283	00:00	-47 34.388	-125 40.815	12.7	286.6	4755	4727	8543.1	45797	34.243	07.849	367.0	
10/10/2005	283	00:15	-47 33.981	-125 42.943	12.8	286.1	4865	4861	8542.5	45790	34.247	07.864	366.7	Marcel off, Stuart on
10/10/2005	283	00:30	-47 33.195	-125 46.962	12.7	285.1	4699	4711	8540.6	45912	34.254	07.879	368.1	
10/10/2005	283	00:45	-47 32.252	-125 51.790	12.9	286.5	4758	4773	8540.7	46165	34.256	07.808	368.1	
10/10/2005	283	01:00	-47 31.486	-125 56.107	12.6	283.0	4708	4463	8542.0	46104	34.257	07.810	368.6	Stuart out, Rolly in
	283	01:15	-47 31.337	-126 00.001	05.1	276.1	4561	4572	8517.0	46087	34.254	07.677	368.2	
	283	01:30	-47 31.196	-126 04.180	12.8	272.4	4820	4771	8544.0	46013	34.260	07.627	367.8	
	283	01:45	-47 31.088	-126 08.850	12.5	244.8	4371	4431	8543.8	45926	34.261	07.640	367.8	rolly off mimi on
	283	02:00	-47 32.999	-126 12.725	12.7	234.4	4226	4163	8544.5	46084	34.262	07.643	368.0	
	283	02:15	-47 34.843	-126 16.519	12.6	234.4	3880	3795	8564.7	46447	34.265	07.683	368.4	
	283	02:30	-47 36.641	-126 20.261	12.6	236.2	3872	3869	8573.0	46378	34.264	07.677	369.3	
	283	02:45	-47 38.533	-126 24.028	12.8	234.5	4134	4132	8575.1	46154	34.265	07.696	369.0	
	283	03:00	-47 40.211	-126 27.953	12.5	275.9	4080	4082	8577.6	46045	34.260	07.691	368.8	
	283	03:15	-47 40.320	-126 32.588	12.6	266.0	3956	4099	8588.1	46189	34.264	07.705	369.3	
	283	03:30	-47 39.552	-126 37.079	12.8	286.2	4103	4109	8581.9	46247	34.263	07.680	369.3	
	283	03:45	-47 39.050	-126 41.807	12.8	273.8	4208	4197	8583.5	46145	34.264	07.632	369.0	
	283	04:00	-47 38.868	-126 46.470	12.9	280.2	4282	4277	8580.3	46349	34.268	07.525	368.4	
	283	04:15	-47 37.922	-126 51.161	12.8	289.8	4172	4178	8575.0	46201	34.266	07.511	367.6	
	283	04:30	-47 36.730	-126 55.369	12.9	292.4	4175	4150	8576.7	46177	34.275	07.564	367.3	
	283	04:45	-47 35.710	-126 59.932	13.1	286.1	4059	4098	8582.1	46144	34.291	07.582	369.1	
	283	05:00	-47 34.907	-127 04.572	12.8	283.7	3983	4075	8582.2	46253	34.289	07.633	369.4	
	283	05:15	-47 34.142	-127 09.278	13.2	282.9	4100	4087	8580.4	46312	34.296	07.558	370.8	
	283	05:30	-47 33.371	-127 13.890	13.0	285.2	4198	4190	8578.6	46483	34.291	07.616	369.6	
	283	05:45	-47 32.531	-127 18.528	13.1	285.0	4284	4331	8571.1	46335	34.285	07.724	370.2	
	283	06:00	-47 31.576	-127 23.991	12.9	283.2	4359	4757	8564.9	46305	34.289	07.680	369.8	
	283	06:15	-47 30.923	-127 27.970	12.5	283.8	4376	4385	8562.1	46379	34.303	07.604	369.8	
	283	06:30	-47 30.107	-127 32.909	12.8	283.9	4581	4639	8557.1	46307	34.305	07.607	369.9	
	283	06:45	-47 29.294	-127 37.094	12.8	290.9	4187	4222	8561.0	46341	34.304	07.612	372.7	
	283	07:00	-47 28.149	-127 41.405	13.0	291.8	4326	4347	8560.9	46402	34.295	07.726	371.9	
	283	07:15	-47 26.921	-127 45.932	12.8	291.1	4322	4292	8554.6	46505	34.310	07.805	373.8	
	283	07:30	-47 25.901	-127 50.271	12.7	287.5	4647	4498	8545.6	46297	34.299	07.803	371.5	
	283	07:45	-47 24.922	-127 56.073	13.0	281.4	4871	4925	8538.6	46406	34.310	07.838	371.6	
	283	08:00	-47 24.310	-127 59.602	06.1	286.0	4982	4967	8538.1	46429	34.302	07.825	371.8	
	283	08:15	-47 23.509	-128 04.163	13.7	286.0	4390	4581	8541.6	46934	34.302	07.948	371.9	
	283	08:30	-47 21.925	-128 07.464	13.5	304.0	5102	4978	8727.5	46412	34.306	07.905	368.8	
	283	08:45	-47 20.057	-128 11.314	13.8	304.8	4672	4696	8530.1	46408	34.305	07.892	368.9	
	283	09:00	-47 18.008	-128 15.683	13.7	304.5	4097	4265	8544.5	46373	34.305	07.893	368.5	
	283	09:15	-47 16.163	-128 20.108	13.6	305.2	4237	4166	8547.8	46528	34.301	07.777	369.3	
	283	09:30	-47 14.412	-128 24.223	13.3	297.5	4380	4365	8545.7	46621	34.306	07.688	370.2	
	283	09:45	-47 12.812	-128 28.380	13.6	297.4	4671	4570	8537.6	46441	34.318	07.813	371.1	
	283	10:00	-47 11.278	-128 32.666	13.3	302.1	4392	4387	8534.8	46288	34.292	07.982	371.1	
10/10/2005	283	10:15	-47 09.389	-128 36.860	13.5	307.2	4340	4362	8529.4	46326	34.279	07.914	367.8	
10/10/2005	283	10:30	-47 07.251	-128 40.320	12.9	312.7	4316	4297	8521.9	46654	34.308	08.113	369.7	
10/10/2005	283	10:45	-47 05.065	-128 44.730	13.3	304.2	4333	4319	8520.1	46744	34.296	08.226	365.6	
10/10/2005	283	11:00	-47 03.173	-128 47.905	13.2	304.9	4226	4321	8524.6	46764	34.302	08.275	364.8	
10/10/2005	283	11:15	-47 01.412	-128 51.613	12.6	304.5	4411	4391	8517.0	46434	34.295	08.254	365.8	
10/10/2005	283	11:30	-46 59.778	-128 55.993	12.7	293.5	4282	4301	8522.0	46328	34.304	08.198	366.0	
10/10/2005	283	11:45	-46 58.412	-129 00.314	12.7	295.3	4348	4370	8519.7	46305	34.304	08.221	366.0	
10/10/2005	283	12:00	-46 57.155	-129 03.948	12.7	297.7	4456	4447	8514.4	46307	34.303	08.237	365.1	
10/10/2005	283	12:15	-46 55.579	-129 08.324	12.7	298.2	4447	4264	8512.1	46525	34.302	08.177	365.7	
10/10/2005	283	12:30	-46 54.114	-129 12.332	12.9	298.4	4678	4635	8506.8	46808	34.298	08.193	365.3	
10/10/2005	283	12:45	-46 52.605	-129 16.398	13.0	298.4	4586	4335	8504.0	46949	34.302	08.257	364.2	

10/10/2005	283	13:00	-46 51.034	-129 20.589	12.9	299.3	4398	4548	8504.0	46828	34.301	08.213	365.3		
10/10/2005	283	13:15	46 49.457	-129 24.722	13.0	299.9	4601	4568	8496.1	46719	34.303	08.157	364.5		
10/10/2005	283	13:30	-46 47.846	-129 28.910	12.9	299.4	4740	4647	8497.0	46784	34.306	08.092	364.5		
10/10/2005	283	13:45	-46 46.270	-129 32.943	12.9	299.7	4385	4415	8493.3	46636	34.300	08.136	365.9		
10/10/2005	283	14:00	-46 44.747	-129 37.009	12.7	298.6	4442	4450	8492.8	46441	34.301	08.183	366.9		
10/10/2005	283	14:15	-46 43.243	-129 41.099	12.7	297.5	4250	4278	8491.3	46429	34.303	08.186	367.6		
10/10/2005	283	14:30	-46 42.799	-129 45.220	12.7	297.1	4806	4775	8482.9	46474	34.305	08.133	366.2		
10/10/2005	283	14:45	-46 40.333	-129 49.278	12.8	296.6	4486	4461	8482.9	46471	34.306	08.169	365.7		
10/10/2005	283	15:00	-46 38.866	-129 53.445	12.7	298.1	4445	4462	8483.5	46461	34.320	08.175	365.6		
10/10/2005	283	15:15	-46 37.378	-129 57.517	12.5	298.2	4363	4356	8483.0	46526	34.304	08.174	368.4		mimi off lydia on
10/10/2005	283	15:30	-46 35.828	-130 01.397	12.7	299.3	4387	4414	8481.4	46459	34.306	08.193	366.7		
10/10/2005	283	15:45	-46 34.406	-130 05.314	12.6	299.0	4621	4593	8473.2	46394	34.306	08.153	367.1		
10/10/2005	283	16:00	-46 32.863	-130 09.294	12.6	299.6	4521	4541	8469.6	46321	34.316	08.160	366.9		
10/10/2005	283	16:15	-46 30.134	-130 11.344	12.9	337.8	4449	4475	8435.0	46293	34.298	08.080	365.3		ship turns 40 deg to next waypoint
10/10/2005	283	16:30	-46 27.153	-130 13.073	12.3	338.0	4419	4390	8429.3	46516	34.305	08.144	365.1		
10/10/2005	283	16:45	-46 24.230	-130 14.762	12.6	338.9	4451	4463	8425.3	46717	34.317	08.155	365.1		
10/10/2005	283	17:00	-46 21.200	-130 16.289	13.0	343.8	4646	4663	8413.0	46532	34.311	08.114	366.8		
10/10/2005	283	17:15	-46 18.094	-130 17.670	12.5	336.5	4615	4602	8404.5	46484	34.287	08.620	365.3		
10/10/2005	283	17:30	-46 15.230	-130 19.558	12.5	333.3	4563	4574	8406.8	46322	34.290	08.616	360.7		
10/10/2005	283	17:45	-46 12.210	-130 21.484	12.5	339.0	4656	4650	8398.3	46081	34.291	08.717	361.0		
10/10/2005	283	18:00	-46 09.419	-130 22.974	12.5	343.2	4659	4684	8392.0	45997	34.294	08.745	362.9		
10/10/2005	283	18:15	-46 06.419	-130 24.418	12.7	336.0	4901	4927	8381.2	46097	34.286	08.943	363.1		
10/10/2005	283	18:30	-46 03.572	-130 26.301	12.2	337.5	4854	4781	8382.8	46160	34.279	08.760	359.4		
10/10/2005	283	18:45	-46 00.699	-130 27.827	12.7	339.6	4825	4969	8370.9	46303	34.278	08.794	359.7		
10/10/2005	283	19:00	-45 57.724	-130 29.459	12.7	327.4	5004	5073	8364.3	46371	34.283	08.736	359.7		ship turns 40 deg to next waypoint
10/10/2005	283	19:15	-45 55.020	-130 32.780	12.6	317.2	4734	4921	8384.4	46396	34.280	08.797	359.7		
10/10/2005	283	19:30	-45 53.227	-130 35.877	13.0	299.7	4776	4836	8391.5	46418	34.284	08.817	360.3		
10/10/2005	283	19:45	-45 51.621	-130 39.310	12.8	300.7	4896	4916	8391.3	46436	34.279	08.815	360.2		
10/10/2005	283	20:00	-45 50.117	-130 43.602	12.9	298.7	4750	4893	8390.7	46385	34.282	08.826	360.2		Lydia off, Marcel on
10/10/2005	283	20:15	-45 48.498	-130 48.108	13.0	296.7	4982	4966	8386.4	46444	34.283	08.821	360.1		
10/10/2005	283	20:30	-45 47.060	-130 52.114	12.9	298.3	4927	4946	8383.8	46416	34.281	08.810	360.1		
10/10/2005	283	20:45	-45 45.216	-130 55.970	12.9	306.2	4805	4868	8378.3	46247	34.281	08.809	359.9		
10/10/2005	283	21:00	-45 43.539	-130 59.380	04.9	292.3	4858	4805	8377.2	46200	34.283	08.782	359.7		Boei deployment and XBT, slowed down to 4.8 knots
10/10/2005	283	21:15	-45 42.677	-131 01.649	12.4	304.7	4866	4898	8361.9	46207	34.289	08.739	358.2		
10/10/2005	283	21:30	-45 41.157	-131 04.911	12.3	304.9	5171	5074	8373.3	46205	34.303	08.652	358.3		
10/10/2005	283	21:45	-45 39.281	-131 08.755	12.4	306.0	4830	4680	8374.7	46187	34.309	08.784	358.3		
10/10/2005	283	22:00	-45 37.618	-131 12.111	12.1	304.6	4641	4752	8373.8	46188	34.283	08.736	360.6		
10/10/2005	283	22:15	-45 35.727	-131 16.087	12.3	300.6	4925	4935	8369.0	46414	34.285	08.820	359.3		
10/10/2005	283	22:30	-45 34.294	-131 19.557	12.6	300.3	4815	4820	8369.3	46468	34.281	08.857	358.5		
10/10/2005	283	22:45	-45 32.795	-131 23.370	12.7	298.9	4760	4790	8370.1	46306	34.294	08.834	359.1		
10/10/2005	283	23:00	-45 31.241	-131 28.130	12.8	299.0	4946	4944	8368.9	46370	34.285	08.784	359.3		
10/10/2005	283	23:15	-45 30.280	-131 32.400	12.7	286.5	4795	4795	8372.6	46441	34.293	08.806	359.3		
10/10/2005	283	23:30	-45 29.377	-131 36.200	12.4	291.3	4712	4732	8371.5	46320	34.284	08.852	359.6		
10/10/2005	283	23:45	-45 28.175	-131 40.068	12.6	293.4	4600	5234	8371.7	46196	34.281	08.847	358.4		
10/11/2005	284	00:00	-45 26.809	-131 43.953	12.0	299.5	4364	4885	8369.5	46206	34.292	08.806	358.7		
10/11/2005	284	00:15	-45 25.308	-131 47.679	12.1	301.2	4347	4907	8369.3	46272	34.280	08.886	358.6		
10/11/2005	284	00:30	-45 23.795	-131 51.373	11.8	300.0	5278	5341	8348.7	46321	34.282	08.887	357.8		
10/11/2005	284	00:45	-45 22.163	-131 54.791	11.9	304.1	5054	5088	8340.6	46315	34.280	08.886	357.7		
10/11/2005	284	01:00	-45 20.507	-131 58.239	11.8	304.1	4484	4497	8349.3	46270	34.276	08.903	357.7		Marcel off, Lydia on
10/11/2005	284	01:15	-45 18.945	-131 01.773	11.1	299.4	4186		8364.9	46170	34.275	08.905	357.9		
10/11/2005	284	01:30	-45 17.614	-132 05.593	11.7	290.3	4413	4395	8372.9	46116	34.275	08.920	358.2		
10/11/2005	284	01:45	-45 16.546	-132 09.690	12.5	289.9	4787	4881	8372.3	46287	34.274	08.882	357.6		
10/11/2005	284	02:00	-45 15.525	-132 13.754	12.8	291.4	4651	4651	8364.4	46513	34.277	08.820	356.8		
10/11/2005	284	02:15	-45 14.294	-132 17.784	11.0	298.1	4802	4819	8361.6	46543	34.300	08.731	357.4		

10/11/2005	284	02:30	-45 12.908	-132 21.041	10.7	302.1	4915	5671	8346.7	46458	34.287	09.051	357.9		
10/11/2005	284	02:45	-45 11.403	-132 23.563	09.1	307.3	4768	4786	8335.0	46472	34.292	09.043	357.6		
10/11/2005	284	03:00	-45 10.536	-132 25.713	08.1	298.5	4816		8328.2	46480	34.289	09.060	357.3		
10/11/2005	284	03:15	-45 09.500	-132 28.220	08.8	301.6	5200	5482	8327.7	46478	34.288	09.048	357.1		
10/11/2005	284	03:30	-45 08.640	-132 30.593	07.8	298.0	5111	5569	8326.9	46467	34.289	08.990	356.8	Bathy not able to identify bottom (too shallow)	
10/11/2005	284	03:45	-45 07.774	-132 33.008	07.5	295.8	5092	5050	8319.6	46456	34.297	08.822	356.8		
10/11/2005	284	04:00	-45 06.917	-132 35.382	08.0	299.7	4273	5518	8329.3	46455	34.291	09.087	356.9	Bathy not able to identify bottom (too deep)	
10/11/2005	284	04:15	-45 06.060	-132 37.744	07.4	295.5	5796	5653	8327.9	46458	34.286	09.201	356.9		
10/11/2005	284	04:30	-45 05.195	-132 40.197	07.7	300.0	4950		8326.8	46484	34.284	09.247	355.1	Given up hope that Bathy or multibeam can get anything in this weather.	
10/11/2005	284	04:45	-45 04.400	-132 42.483	07.1	290.5	5158	5111	8324.9	46530	34.285	09.247	354.8		
10/11/2005	284	05:00	-45 03.584	-132 45.232	07.9	289.8	4900	4906	8321.1	46592	34.285	09.240	354.5		
10/11/2005	284	05:15	-45 02.899	-132 47.460	07.6	294.6	4950	5247	8325.2	46631	34.285	09.234	354.6		
10/11/2005	284	05:30	-45 02.102	-132 49.653	07.0	298.0	4113	5640	8178.8	46651	34.285	09.250	354.4		
10/11/2005	284	05:45	-45 01.250	-132 51.762	06.9	303.7	5582	4937	8310.1	46649	34.287	09.250	354.4		
10/11/2005	284	06:00	-45 00.320	-132 53.710	07.8	300.7	5204	4670	8305.3	46628	34.287	09.252	354.4		
10/11/2005	284	06:15	-44 59.429	-132 56.060	06.9	302.3	4656	5324	8312.0	46621	34.287	09.237	355.6		
10/11/2005	284	06:30	-44 58.566	-132 57.758	06.7	306.1	5906	5842	8315.2	46627	34.288	09.235	355.4		Bathy log has been off ~20 min. Is on now
10/11/2005	284	06:45	-44 57.604	-132 59.843	06.4	305.1	5399	5070	8324.8	46629	34.289	09.211	355.7		
10/11/2005	284	07:00	-44 57.006	-133 02.949	09.5	266.0	4523	4583	8338.3	46635	34.290	09.206	356.0		
10/11/2005	284	07:15	-44 57.272	-133 04.268	09.8	257.7	4902	4913	8335.3	46602	34.288	09.206	356.3		
10/11/2005	284	07:30	-44 57.759	-133 08.626	09.8	259.6	4982	5009	8333.7	46543	34.288	09.225	356.3		
10/11/2005	284	07:45	-44 58.203	-133 12.042	09.6	260.0	5096	5140	8325.5	46463	34.283	09.265	356.2		
10/11/2005	284	08:00	-44 58.777	-133 15.794	10.4	255.7	5114	5133	8426.8	46453	34.284	09.226	356.3		
10/11/2005	284	08:15	-44 59.324	-133 18.991	10.2	257.8	5059	5023	8332.1	46453	34.291	09.108	356.5		
10/11/2005	284	08:30	-45 00.056	-133 21.235	10.2	254.8	4720	4661	8332.5	46442	34.292	09.094	353.0		
10/11/2005	284	08:45	-45 00.676	-133 26.258	10.2	254.9	5312	5286	8332.1	46411	34.291	09.157	357.6		
10/11/2005	284	09:00	-45 01.269	-133 29.524	10.3	255.8	4977	5031	8328.2	46378	34.288	09.128	356.9		
10/11/2005	284	09:15	-45 01.904	-133 33.203	10.3	257.7	5147	5149	8329.7	46384	34.288	09.208	356.9		
10/11/2005	284	09:30	-45 02.457	-133 36.567	10.0	256.1	5076	5024	8325.9	46486	34.286	09.203	355.3		
10/11/2005	284	09:45	-45 03.024	-133 39.886	10.2	256.6	5913	5282	8322.9	46551	34.292	09.030	354.8		
10/11/2005	284	10:00	-45 03.961	-133 44.507	10.4	253.7	6044	6070	8318.2	46602	34.323	08.957	359.5		
10/11/2005	284	10:15	-45 04.591	-133 47.344	10.5	252.5	6048	6044	8325.6	46617	34.323	08.651	359.7		
10/11/2005	284	10:30	-45 05.479	-133 51.686	10.4	253.2	5739	5799	8328.8	46623	34.324	08.617	359.7		
10/11/2005	284	10:45	-45 06.078	-133 54.502	10.7	254.4	5224	5289	8325.5	46640	34.323	08.603	359.7		
10/11/2005	284	11:00	-45 07.026	-133 58.934	10.5	254.8	5123	5725	8324.0	46706	34.318	08.624	360.6	roll off mimi on slowed for Argo 13 deploy	
10/11/2005	284	11:15	-45 07.416	-134 00.511	06.6	254.3	5541	5852	8286.8	46725	34.315	08.624	360.9		
10/11/2005	284	11:30	-45 08.070	-134 03.656	10.7	252.8	5834	5826	8319.6	46751	34.314	08.625	360.8		
10/11/2005	284	11:45	-45 08.857	-134 07.495	11.0	255.3	5908	5731	8320.4	46757	34.313	08.662	360.3		
10/11/2005	284	12:00	-45 09.656	-134 10.930	10.6	252.5	5183	4287	8343.7	46790	34.315	08.765	359.8		
10/11/2005	284	12:15	-45 10.309	-134 14.377	10.6	252.1	3044	3855	8364.2	46882	34.318	08.613	357.8		
10/11/2005	284	12:30	-45 11.154	-134 18.169	10.6	252.7	3489	4406	8370.5	46847	34.321	08.607	357.8		
10/11/2005	284	12:45	-45 11.918	-134 21.617	10.9	253.3	3881	4252	8364.3	46786	34.323	08.626	360.7		
10/11/2005	284	13:00	-45 12.709	-134 25.215	10.6	251.1	4033	4461	8365.9	46832	34.321	08.608	360.9		
10/11/2005	284	13:15	-45 13.532	-134 28.875	10.4	252.1	4117	4163	8367.1	46902	34.317	08.626	361.1		
10/11/2005	284	13:30	-45 14.330	-134 32.499	10.7	251.5	4010	4411	8367.8	46938	34.312	08.682	360.6		
10/11/2005	284	13:45	-45 15.255	-124 36.514	10.8	251.8	5157	5106	8348.5	46988	34.315	08.762	358.2		
10/11/2005	284	14:00	-45 16.012	-134 39.828	10.6	252.1	4632	4773	8348.4	46991	34.311	08.802	358.4		
10/11/2005	284	14:15	-45 16.710	-134 43.423	10.7	254.5	4752	4434	8354.1	46983	34.305	08.822	358.4		
10/11/2005	284	14:30	-45 17.433	-134 47.206	11.0	255.1	4487	4231	8365.7	47055	34.309	08.826	358.6		
10/11/2005	284	14:45	-45 18.025	-134 50.887	10.9	255.5	4180	4186	8374.4	46989	34.307	08.854	358.8		
10/11/2005	284	15:00	-45 18.689	-134 54.435	10.9	255.2	4578	4546	8376.4	47010	34.307	08.868	358.5		
10/11/2005	284	15:15	-45 19.441	-134 58.150	10.5	252.4	4304	4171	8386.3	47091	34.309	08.873	358.2		
10/11/2005	284	15:30	-45 20.247	-135 01.713	10.7	251.9	4103	4266	8396.4	47130	34.304	08.870	358.3		
10/11/2005	284	15:45	-45 21.078	-135 05.293	10.5	251.6	3892	4083	8401.4	47132	34.305	08.854	358.4		

10/11/2005	284	16:00	-45 21.755	-135 08.657	10.1	256.9	3645	3896	8410.6	47132	34.310	08.866	358.4	Mimi off, Lydia on
10/11/2005	284	16:15	-45 22.356	-135 12.140	10.5	255.0	3889	4607	8394.6	47218	34.304	08.845	357.8	
10/11/2005	284	16:30	-45 23.045	-135 15.415	09.9	254.6	4347	4928	8384.0	47264	34.307	08.856	358.3	
10/11/2005	284	16:45	-45 23.788	-135 18.803	10.0	251.5	4795	5107	8378.2	47155	34.308	08.851	357.8	
10/11/2005	284	17:00	-45 24.576	-135 22.186	10.4	251.8	4490	5038	8381.4	47064	34.306	08.810	358.0	
10/11/2005	284	17:15	-45 25.270	-135 25.579	09.8	254.3	3986	3924	8392.1	47099	34.358	08.654	359.6	
10/11/2005	284	17:30	-45 25.844	-135 28.850	09.5	260.5	4431	4694	8391.7	47144	34.354	08.582	359.6	
10/11/2005	284	17:45	-45 26.353	-135 32.233	09.0	251.6	4627	4640	8384.0	47226	34.337	08.709	363.8	
10/11/2005	284	18:00	-45 27.104	-135 35.302	09.8	250.0	4819	4827	8382.1	47241	34.372	08.484	362.1	
10/11/2005	284	18:15	-45 27.837	-135 38.492	09.4	254.3	4903	4888	8380.9	47250	34.375	08.517	361.9	
10/11/2005	284	18:30	-45 28.485	-135 41.728	09.7	257.9	5148	5175	8374.0	47213	34.371	08.498	361.5	
10/11/2005	284	18:45	-45 29.033	-135 44.909	09.2	258.3	5094	5121	8373.0	47159	34.380	08.503	362.1	
10/11/2005	284	19:00	-45 29.550	-135 48.051	10.0	253.4	4853	4968	8374.2	47168	34.381	08.507	361.9	
10/11/2005	284	19:15	-45 30.346	-135 51.432	09.5	253.4	5096	5551	8378.6	47218	34.379	08.539	361.9	
10/11/2005	284	19:30	-45 30.978	-135 54.716	09.6	254.2	5306	5328	8374.0	47299	34.364	08.620	361.5	
10/11/2005	284	19:45	-45 31.626	-135 58.201	09.5	255.1	5133	5130	8379.9	47374	34.356	08.686	361.2	
10/11/2005	284	20:00	-45 32.190	-136 01.251	09.5	255.4	4957	5971	8385.5	47432	34.352	08.722	360.6	
10/11/2005	284	20:15	-45 32.762	-136 04.455	09.3	255.6	4769	5022	8391.2	47454	34.322	08.923	359.0	
10/11/2005	284	20:30	-45 33.380	-136 07.664	09.8	257.4	4810	6021	8391.4	47438	34.327	08.862	357.0	
10/11/2005	284	20:45	-45 33.996	-136 11.050	09.4	255.6	4926	4826	8386.3	47450	34.344	08.744	357.0	
10/11/2005	284	21:00	-45 34.552	-136 13.961	08.7	252.6	5133	5439	8388.0	47498	34.355	08.706	357.0	Marcel on, Lydia off
10/11/2005	284	21:15	-45 35.373	-136 18.460	08.9	256.4	5145	5564	8383.1	47538	34.331	08.892	358.5	
10/11/2005	284	21:30	-45 35.741	-136 20.477	08.9	255.8	5264	5413	8380.9	47539	34.327	08.892	357.6	
10/11/2005	284	21:45	-45 36.309	-136 23.406	09.4	253.5	5218	5659	8378.6	47555	34.320	08.928	357.2	
10/11/2005	284	22:00	-45 37.056	-136 26.645	09.3	249.9	5236	5250	8378.5	47592	34.316	08.945	357.0	
10/11/2005	284	22:15	-45 37.662	-136 29.759	08.9	255.1	5218	5257	8383.6	47595	34.316	08.947	356.9	
10/11/2005	284	22:30	-45 38.242	-136 32.874	09.6	258.2	5180	5186	8381.3	47580	34.317	08.926	356.9	
10/11/2005	284	22:45	-45 38.925	-136 36.441	08.8	255.2	5257	5260	8385.7	47548	34.319	08.930	357.2	
10/11/2005	284	23:00	-45 39.511	-136 39.401	09.5	254.6	5295	5295	8383.2	47507	34.321	08.903	356.8	
10/11/2005	284	23:15	-45 40.328	-136 43.319	09.9	252.8	5250	5250	8385.4	47565	34.331	08.802	357.0	
10/11/2005	284	23:30	-45 40.903	-136 46.501	09.5	258.1	5072	5140	8386.2	47599	34.362	08.656	358.3	
10/11/2005	284	23:45	-45 41.404	-136 49.398	10.1	255.9	5189	5202	8390.4	47574	34.373	08.566	360.8	
10/12/2005	285	00:00	-45 41.981	-001 36.528	09.8	258.3	5164	5167	8390.3	47617	34.384	08.530	360.8	ARGO boei deployment and succesful XBT
10/12/2005	285	00:15	-45 42.526	-136 56.295	10.1	258.0	5165	4832	8388.6	47650	34.383	08.490	360.8	
10/12/2005	285	00:30	-45 43.142	-136 59.609	04.4	245.4	5299	5317	8389.3	47706	34.359	08.707	362.0	
10/12/2005	285	00:45	-45 43.555	-137 01.061	04.3	250.5	5227	4641	8359.1	47747	34.351	08.870	359.3	
10/12/2005	285	01:00	-45 44.011	-137 03.426	09.6	254.9	5221	5310	8389.9	47803	34.318	08.966	356.5	
10/12/2005	285	01:15	-45 44.671	-137 06.970	09.6	255.3	5399	5061	8392.7	47868	34.317	09.005	356.4	
10/12/2005	285	01:30	-45 45.306	-137 10.410	10.0	253.3	5130	5137	8394.8	47910	34.316	08.986	356.5	
10/12/2005	285	01:45	-45 45.966	-137 13.879	09.7	253.7	5124	5298	8398.6	47892	34.339	08.813	356.5	
10/12/2005	285	02:00	-45 46.623	-137 17.166	10.2	254.4	5281	5230	8394.4	47880	34.355	08.732	358.5	Marcel off, Stuart on
10/12/2005	285	02:15	-45 47.336	-137 20.283	10.2	252.8	5469	5532	8391.2	47907	34.354	08.691	357.7	
10/12/2005	285	02:30	-45 47.983	-137 23.581	09.4	259.8	5447	5476	8387.5	47931	34.353	08.763	359.1	
10/12/2005	285	02:45	-45 48.441	-137 27.403	09.6	260.5	5256	5301	8389.0	47949	34.324	08.989	357.9	
10/12/2005	285	03:00	-45 48.902	-137 30.614	09.4	254.9	5516	5751	8391.2	47944	34.313	09.003	356.1	
10/12/2005	285	03:15	-45 49.455	-137 33.623	08.9	256.1	5421	5443	8390.2	47933	34.322	08.959	356.7	
10/12/2005	285	03:30	-45 49.968	-137 36.860	09.9	258.7	5162	5396	8397.1	47921	34.324	08.966	356.7	
10/12/2005	285	03:45	-45 50.518	-137 39.989	09.7	254.8	4896	5220	8405.5	47922	34.303	09.077	356.4	
10/12/2005	285	04:00	-45 51.206	-137 43.246	09.4	254.0	5297	5487	8402.3	47935	34.298	09.092	356.1	
10/12/2005	285	04:15	-45 51.819	-137 46.460	09.8	257.8	4902	4996	8408.0	47998	34.295	09.104	355.6	
10/12/2005	285	04:30	-45 52.232	-137 49.730	09.6	260.3	4752	4843	8410.2	48042	34.296	09.108	355.9	
10/12/2005	285	04:45	-45 52.757	-137 52.903	09.4	254.0	5159	5265	8412.3	48025	34.295	09.110	355.9	
10/12/2005	285	05:00	-45 53.470	-137 56.039	09.2	253.6	4934	4979	8413.5	48009	34.295	09.123	356.1	
10/12/2005	285	05:15	-45 54.050	-137 59.264	09.8	254.5	4900	4920	8412.7	48000	34.293	09.170	356.1	

10/12/2005	285	05:30	-45 54.650	-138 02.433	09.2	253.5	5107	5135	8414.1	48028	34.291	09.183	354.2	Stuart out, Rolly in
10/12/2005	285	05:45	-45 55.290	-138 05.718	08.5	256.1	5050	5089	8413.7	48054	34.297	09.136	353.6	
10/12/2005	285	06:00	-45 55.735	-138 08.822	09.1	258.0	5252	4279	8406.8	48046	34.296	09.129	355.5	
10/12/2005	285	06:15	-45 56.242	-138 11.947	09.1	258.6	5275	5295	8406.9	48086	34.301	09.106	355.6	
10/12/2005	285	06:30	-45 56.758	-138 15.083	09.4	257.6	5293	5312	8408.5	48121	34.301	09.108	355.9	
10/12/2005	285	06:45	-45 57.280	-138 18.303	09.3	254.0	5252	5282	8408.1	48136	34.302	09.107	355.9	
10/12/2005	285	07:00	-45 57.844	-138 21.847	08.5	256.1	5178	5219	8407.4	48200	34.302	09.084	355.3	
10/12/2005	285	07:15	-45 58.353	-138 24.879	09.4	257.8	5104	5270	8408.1	48228	34.309	09.070	356.0	
10/12/2005	285	07:30	-45 58.534	-138 28.352	09.3	256.8	5150	5354	8410.1	48300	34.305	09.083	356.2	
10/12/2005	285	07:45	-45 59.495	-138 31.300	09.1	255.7	5213	5383	8414.7	48351	34.297	09.125	356.1	
10/12/2005	285	08:00	-46 00.120	-138 34.577	09.0	253.5	5098	5171	8415.7	48388	34.297	09.124	356.3	
10/12/2005	285	08:15	-46 00.696	-138 37.688	09.1	253.1	5254	5264	8424.9	48418	34.294	09.210	356.5	
10/12/2005	285	08:30	-46 01.239	-138 40.667	08.9	255.1	5256	5272	8419.6	48439	34.291	09.173	356.5	
10/12/2005	285	08:45	-46 01.767	-138 43.654	09.1	254.8	5220	5276	8423.2	48445	34.298	09.128	353.6	
10/12/2005	285	09:00	-46 02.253	-138 46.875	09.4	260.1	5166	5160	8424.9	48426	34.296	09.145	354.3	
10/12/2005	285	09:15	-46 02.804	-138 50.642	08.3	258.1	5279	5279	8427.8	48400	34.302	09.085	354.4	
10/12/2005	285	09:30	-46 03.278	-138 53.650	08.8	256.6	5214	5241	8426.0	48398	34.301	09.103	354.4	
10/12/2005	285	09:45	-46 03.739	-138 56.609	09.0	255.8	5178	5189	8430.0	48396	34.301	09.175	354.3	
10/12/2005	285	10:00	-46 04.186	-138 59.600	08.9	258.3	5138	5155	8426.9	48398	34.292	09.214	354.1	
10/12/2005	285	10:15	-46 04.741	-139 03.008	09.6	254.7	5042	5058	8425.6	48416	34.293	09.202	354.1	
10/12/2005	285	10:30	-46 05.231	-139 06.115	09.0	254.9	5118	5140	8427.5	48447	34.295	09.169	355.0	
10/12/2005	285	10:45	-46 05.785	-139 09.335	09.1	256.3	5219	5241	8423.4	48472	34.301	09.195	355.5	
10/12/2005	285	11:00	-46 06.274	-139 12.468	09.3	255.2	5280	5291	8427.4	48494	34.304	09.136	355.1	
10/12/2005	285	11:15	-46 06.777	-139 15.535	07.4	258.8	5275	5295	8424.3	48512	34.315	09.115	356.0	
10/12/2005	285	11:30	-46 07.186	-139 18.586	09.0	260.9	5317	5334	8425.7	48526	34.316	09.103	356.5	
10/12/2005	285	11:45	-46 07.746	-139 21.843	08.8	253.2	5139	5212	8430.5	48532	34.307	09.160	356.5	rolly off mimi on
10/12/2005	285	12:00	-46 08.247	-139 24.673	08.5	259.5	5252	5373	8426.5	48530	34.306	09.154	354.4	
10/12/2005	285	12:15	-46 08.843	-139 28.025	08.9	250.0	5271	5788	8427.4	48538	34.353	08.926	355.2	
10/12/2005	285	12:30	-46 09.348	-139 30.691	09.1	258.5	5298	5309	8432.7	48554	34.376	08.806	355.9	
10/12/2005	285	12:45	-46 09.965	-139 34.869	08.8	256.4	4996	5594	8434.3	48581	34.400	08.754	358.2	
10/12/2005	285	13:00	-46 10.301	-139 36.924	08.9	257.8	5078	5693	8432.6	48576	34.393	08.772	359.2	
10/12/2005	285	13:15	-46 10.897	-139 40.315	08.5	257.7	4912	5490	8442.7	48618	34.392	08.738	357.8	
10/12/2005	285	13:30	-46 11.353	-139 43.245	08.6	256.1	4889	5098	8441.4	48671	34.383	08.858	357.8	
10/12/2005	285	13:45	-46 11.828	-139 46.462	08.8	257.6	5245	5265	8436.6	48754	34.373	08.807	356.3	
10/12/2005	285	14:00	-46 12.252	-139 49.461	08.7	259.3	5235	5760	8431.1	48787	34.373	08.756	357.3	
10/12/2005	285	14:15	-46 12.672	-139 52.501	08.3	257.2	5194	5218	8436.8	48810	34.379	08.792	359.9	
10/12/2005	285	14:30	-46 13.201	-139 55.915	08.5	254.5	5202	5911	8435.7	48831	34.363	08.846	356.2	
10/12/2005	285	14:45	-46 13.679	-139 58.576	09.1	252.7	5227	5893	8437.1	48835	34.355	08.897	355.6	
10/12/2005	285	15:00	-46 14.259	-140 01.933	07.8	257.1	5128	5173	8435.3	48853	34.338	09.002	355.3	
10/12/2005	285	15:15	-46 14.713	-140 04.937	09.2	258.4	4939	4784	8441.8	48857	34.331	09.015	353.7	
10/12/2005	285	15:30	-46 15.088	-140 07.365	08.2	257.8	5180	5205	8434.2	48891	34.331	09.028	353.5	
10/12/2005	285	15:45	-46 15.602	-140 10.170	08.2	254.6	5129	5685	8434.5	48909	34.330	09.035	353.5	
10/12/2005	285	16:00	-46 16.090	-140 13.276	07.5	259.9	5086	5708	8433.2	48953	34.333	09.030	353.4	
10/12/2005	285	16:15	-46 16.401	-140 15.581	07.2	258.8	5045	5581	8434.8	48987	34.333	09.032	352.6	Mimi off Lydia on
10/12/2005	285	16:30	-46 16.748	-140 18.153	07.3	259.4	5292	5684	8433.9	48883	34.333	09.042	352.6	
10/12/2005	285	16:45	-46 17.160	-140 20.980	08.5	260.2	5266	5287	8438.4	48950	34.332	09.040	352.6	
10/12/2005	285	17:00	-46 17.486	-140 23.072	07.4	252.7	5236	5323	8435.5	48946	34.333	09.042	352.1	
10/12/2005	285	17:15	-46 17.927	-140 25.831	06.6	253.1	5247	5694	8430.9	48867	34.335	09.025	352.1	
10/12/2005	285	17:30	-46 18.216	-140 28.191	06.6	263.6	5180	6136	8430.1	48736	34.340	09.004	352.5	
10/12/2005	285	17:45	-46 18.478	-140 30.476	04.8	253.0	5177	6303	8428.6	48721	34.337	09.003	352.9	
10/12/2005	285	18:00	-46 18.861	-140 32.527	05.2	242.7	5199	5216	8048.8	48729	34.335	09.013	353.9	
10/12/2005	285	18:15	-46 19.269	-140 34.618	05.7	257.4	5216	5552	8425.5	48733	34.337	09.005	354.0	
10/12/2005	285	18:30	-46 19.583	-140 36.550	06.3	257.6	5217	5820	8245.0	48620	34.336	08.992	354.0	
10/12/2005	285	18:45	-46 19.859	-140 38.594	05.5	257.2	5232	5988	8425.6	48651	34.343	08.971	354.5	

10/12/2005	285	19:00	-46 20.168	-140 40.529	05.5	259.4	5340	5817	8421.6	48666	34.342	08.971	355.2	ship turns ~ 12 deg for new course
10/12/2005	285	19:15	-46 20.525	-140 42.478	05.8	255.5	5326	5974	8422.2	48517	34.342	08.982	354.8	
10/12/2005	285	19:30	-46 20.827	-140 44.354	05.8	261.2	5331	6256	8424.9	48736	34.341	08.974	354.8	
10/12/2005	285	19:45	-46 20.469	-140 46.928	08.5	286.6	5197	5788	8437.7	48373	34.341	08.975	354.5	
10/12/2005	285	20:00	-46 20.103	-140 49.538	06.8	277.2	5071	5724	8441.2	48679	34.333	08.981	354.4	
10/12/2005	285	20:15	-46 19.687	-140 52.071	06.2	285.6	5231	5645	8524.1	48552	34.332	08.986	354.4	
10/12/2005	285	20:30	-46 19.457	-140 54.510	07.0	274.4	5203	6053	8431.9	48568	34.332	09.010	354.8	
10/12/2005	285	20:45	-46 19.153	-140 56.895	06.9	277.6	5205	6298	8565.3	48634	34.328	09.020	354.5	
10/12/2005	285	21:00	-46 18.893	-140 59.280	06.4	277.4	4966	6352	8432.9	48481	34.337	09.054	353.7	
10/12/2005	285	21:15	-46 18.629	-141 01.609	06.7	280.8	5202	5852	8494.8	48361	34.335	09.049	353.3	Lydia off, Marcel on
10/12/2005	285	21:30	-46 18.314	-141 03.772	05.6	280.5	4721	5952	8431.6	48474	34.336	09.003	354.0	
10/12/2005	285	21:45	-46 18.785	-141 05.570	06.6	220.0	5240	5951	8425.1	48566	34.361	08.977	354.0	
10/12/2005	285	22:00	-46 20.074	-141 06.958	05.9	222.2	5299	5705	7950.0	48602	34.359	08.973	352.1	
10/12/2005	285	22:15	-46 21.259	-141 08.327	06.2	225.3	5172	5402	8465.5	48605	34.354	09.014	352.4	
10/12/2005	285	22:30	-46 22.447	-141 09.728	05.5	210.4	5277	5528	8417.1	48678	34.345	09.013	352.0	
10/12/2005	285	22:45	-46 23.669	-141 11.007	06.0	220.4	5231	5255	8479.3	48718	34.343	09.023	351.9	
10/12/2005	285	23:00	-46 24.806	-141 12.156	05.9	215.6	5470	5622	7418.2	48565	34.341	09.036	351.9	
10/12/2005	285	23:15	-46 26.037	-141 13.497	06.2	219.9	5220	5947	8017.5	48509	34.339	09.031	351.8	
10/12/2005	285	23:30	-46 27.117	-141 14.739	04.6	220.6	5166	5856	8526.0	48665	34.341	09.023	351.8	Maggie at 37770, way to low. Stopped logging
10/12/2005	285	23:45	-46 27.417	-141 16.583	05.1	261.4	5186	5748	8128.7	48551	34.343	09.066	352.3	
10/13/2005	286	00:00	-46 27.706	-141 18.680	06.2	258.1	5194	5676	8442.2	NA	34.342	08.980	353.2	
10/13/2005	286	00:15	-46 28.022	-141 20.912	05.6	263.0	5236	5715	8002.3	NA	34.351	08.982	353.5	
10/13/2005	286	00:30	-46 28.318	-141 25.186	05.7	274.8	5234	5941	8429.2	NA	34.360	08.997	353.6	
10/13/2005	286	00:45	-46 28.310	-141 25.606	05.8	269.4	5241	5958	7188.5	NA	34.362	08.986	353.6	
10/13/2005	286	01:00	-46 28.281	-141 26.726	04.8	270.4	5244	6031	7959.7	NA	34.362	08.980	353.6	
10/13/2005	286	01:15	-46 28.182	-141 28.877	05.8	269.2	5122	5761	7487.5	NA	34.365	08.986	352.7	
10/13/2005	286	01:30	-46 28.108	-141 30.764	05.6	275.9	5145	5573	8635.4	NA	34.363	08.956	352.8	
10/13/2005	286	01:45	-46 28.121	-141 32.509	05.4	262.3	5040	5626	7661.9	NA	34.359	08.971	352.3	Maggie offline. Cannot be towed on deck due to bad weather Marcel off, Stuart on
10/13/2005	286	02:00	-46 28.440	-141 34.477	05.3	260.9	5145	5506	8382.7	NA	34.364	08.976	352.5	
10/13/2005	286	02:15	-46 28.829	-141 36.486	05.2	267.6	5099	5657	7874.2	NA	34.362	09.011	353.3	
10/13/2005	286	02:30	-46 29.111	-141 38.631	06.1	260.2	5134	5745	8449.5		34.352	09.040	353.2	
10/13/2005	286	02:45	-46 29.415	-141 40.652	05.2	262.0	5132	5968	8128.7		34.347	09.046	353.2	
10/13/2005	286	03:00	-46 29.770	-141 42.678	05.9	256.6	5077	5414	8449.2		34.353	09.021	352.0	
10/13/2005	286	03:15	-46 30.062	-141 44.746	05.8	260.5	5141	5657	8451.7		34.356	08.986	351.7	
10/13/2005	286	03:30	-46 30.252	-141 47.052	06.4	264.9	5141	5457	7010.6		34.353	08.994	352.5	
10/13/2005	286	03:45	-46 30.356	-141 49.205	07.0	263.8	5162	5669	8041.0		34.352	08.983	352.5	
10/13/2005	286	04:00	-46 60.386	-141 51.753	05.4	259.3	5106	5861	8395.6		34.350	09.018	352.3	
10/13/2005	286	04:15	-46 30.567	-141 53.741	05.8	261.3	5090	5766	8422.8		34.349	09.019	352.2	
10/13/2005	286	04:30	-46 30.906	-141 55.842	06.5	255.8	5054	5696	8447.7		34.348	09.020	352.1	
10/13/2005	286	04:45	-46 31.264	-141 57.972	06.4	252.7	5083	5679	8448.9		34.343	09.082	353.3	
10/13/2005	286	05:00	-46 31.614	-141 00.439	07.3	259.9	5126	5907	6983.9		34.333	09.079	354.7	
10/13/2005	286	05:15	-46 31.925	-141 02.876	07.2	262.7	5090	5109	8677.6		34.343	09.024	354.9	
10/13/2005	286	05:30	-46 32.223	-141 05.218	07.0	257.2	5113	6142	7798.9		34.344	09.015	354.1	
10/13/2005	286	05:45	-46 32.539	-142 07.617	06.5	257.8	5127	5898	7183.2		34.343	09.017	353.0	
10/13/2005	286	06:00	-46 32.883	-142 10.233	07.5	260.4	5149	5630	8498.2		34.346	08.999	353.0	
10/13/2005	286	06:15	-46 33.206	-142 12.540	06.4	263.4	5161	5318	8451.6		34.346	09.017	352.2	
10/13/2005	286	06:30	-46 33.506	-142 14.787	06.2	267.3	5183	5780	8457.2		34.346	09.045	353.1	
10/13/2005	286	06:45	-46 33.822	-142 17.171	06.5	253.2	5205	5852	8448.2		34.345	09.013	353.6	
10/13/2005	286	07:00	-46 34.221	-142 19.807	07.2	257.2	5221	5761	8450.5		34.349	08.977	353.9	
10/13/2005	286	07:15	-46 34.478	-142 22.213	07.2	264.9	5230	5881	8286.2		34.349	08.966	353.6	
10/13/2005	286	07:30	-46 34.792	-142 24.464	08.0	255.5	5259	5965	8452.9		34.348	08.950	353.5	
10/13/2005	286	07:45	-46 35.164	-142 27.102	06.7	260.4	5257	5688	8454.1		34.349	08.955	353.5	
10/13/2005	286	08:00	-46 35.493	-142 29.712	07.5	265.3	5251	5496	8457.8		34.340	08.962	353.7	
10/13/2005	286	08:15	-46 35.684	-142 32.020	06.0	260.3	5212	4930	8447.9		34.341	08.998	354.6	

10/13/2005	286	08:30	-46 35.924	-142 35.848	07.9	254.8	5215	5102	8433.7		34.339	08.960	354.2	
10/13/2005	286	08:45	-46 36.481	-142 37.202	07.4	257.4	5195	5275	8470.2		34.343	08.914	354.6	
10/13/2005	286	09:00	-46 36.723	-142 39.405	07.2	256.7	5184	5436	8461.8		34.343	08.914	355.5	
10/13/2005	286	09:15	-46 37.203	-142 42.241	07.9	258.0	5069	5102	8115.3		34.344	08.911	355.6	
10/13/2005	286	09:30	-46 37.464	-142 44.731	07.3	259.7	5114	5217	8466.0		34.345	08.888	355.3	
10/13/2005	286	09:45	-46 37.800	-142 47.271	07.3	256.2	5102	5123	8471.4		34.351	08.885	355.4	
10/13/2005	286	10:00	-46 38.251	-142 50.183	08.1	260.5	5053	5382	8475.0		34.352	08.853	355.2	
10/13/2005	286	10:15	-46 38.595	-142 52.555	07.1	256.3	5092	5369	8483.2		34.372	08.815	356.2	
10/13/2005	286	10:30	-46 38.920	-142 54.961	07.1	262.1	5135	5341	8469.2		34.377	08.772	356.7	
10/13/2005	286	10:45	-46 39.169	-142 57.492	07.4	265.5	5202	4580	8479.5		34.374	08.834	357.1	
10/13/2005	286	11:00	-46 39.445	-143 00.052	07.1	257.2	5170	5099	8468.1		34.366	08.839	357.1	
10/13/2005	286	11:15	-46 39.964	-143 03.546	08.4	260.1	5176	5202	8474.3		34.367	08.845	356.2	
10/13/2005	286	11:30	-46 40.402	-143 06.867	08.9	259.8	5186	5555	8481.0		34.373	08.735	356.1	
10/13/2005	286	11:45	-46 40.691	-143 09.110	08.4	260.0	5160	5180	8475.5		34.375	08.660	356.6	
10/13/2005	286	12:00	-46 41.053	-143 11.656	08.4	263.1	5096	5185	8478.4		34.402	08.683	358.9	
10/13/2005	286	12:15	-46 41.283	-143 14.615	08.1	265.4	5015	5034	8483.4		34.374	08.761	357.3	
10/13/2005	286	12:30	-46 41.479	-143 17.472	08.6	257.5	5074	5435	8474.8		34.379	08.717	356.3	rolly off mimi on
10/13/2005	286	12:45	46 41.871	-143 20.194	07.4	261.6	5081	4789	8480.2		34.374	08.736	356.3	
10/13/2005	286	13:00	-46 42.342	-143 23.467	08.3	256.1	5041	5058	8482.4		34.360	08.789	356.3	
10/13/2005	286	13:15	-46 42.704	-143 26.041	08.5	257.5	5067	5521	8481.2		34.343	08.791	355.9	
10/13/2005	286	13:30	-46 43.067	-143 28.889	07.9	262.4	5042	5073	8486.4		34.350	08.764	355.1	
10/13/2005	286	13:45	-46 43.491	-143 31.974	09.4	259.2	5091	5287	8483.4		34.360	08.766	356.1	
10/13/2005	286	14:00	-46 43.912	-143 35.124	09.8	258.3	5091	5152	8490.4		34.359	08.774	356.0	
10/13/2005	286	14:15	-46 44.416	-143 38.344	09.7	258.7	5065	5086	8491.3		34.365	08.808	356.0	
10/13/2005	286	14:30	-46 44.841	-143 41.689	09.8	259.0	5055	5510	8486.6		34.366	08.785	356.0	
10/13/2005	286	14:45	-46 45.234	-143 45.098	09.8	260.3	5159	5179	8490.0		34.358	08.768	356.4	
10/13/2005	286	15:00	-46 45.568	-143 48.569	09.7	264.1	5013	5117	8492.2		34.356	08.770	354.6	
10/13/2005	286	15:15	-46 45.850	-143 51.982	09.5	263.8	5092	5106	8498.0		34.355	08.775	354.0	
10/13/2005	286	15:30	-46 46.205	-143 55.399	09.5	257.9	4988	4999	8493.6		34.364	08.764	354.3	
10/13/2005	286	15:45	-46 46.666	-143 58.979	09.6	258.8	5006	5010	8503.5		34.370	08.748	353.4	
10/13/2005	286	16:00	-46 47.092	-144 02.198	10.1	259.5	5007	5019	8500.0		34.369	08.797	353.4	
10/13/2005	286	16:15	-46 47.590	-144 05.614	09.4	259.3	5011	5013	8495.1		34.369	08.857	356.1	
10/13/2005	286	16:30	-46 47.976	-144 08.865	10.0	256.5	5069	5096	8493.3		34.380	08.979	356.5	
10/13/2005	286	16:45	-46 48.328	-144 12.266	09.3	259.9	4974	4993	8499.6		34.377	08.974	355.4	
10/13/2005	286	17:00	-46 48.624	-144 15.739	09.6	264.0	4969	5031	8494.9		34.382	08.943	356.2	
10/13/2005	286	17:15	-46 48.913	-144 19.254	09.7	261.3	4960	4966	8497.2		34.382	08.927	356.8	mimi off lydia on
10/13/2005	286	17:30	-46 49.415	-144 22.570	09.0	257.0	5002	5228	8497.2		34.393	08.757	356.5	
10/13/2005	286	17:45	-46 49.893	-144 26.059	09.4	259.0	5030	5302	8497.2		34.385	08.747	356.5	
10/13/2005	286	18:00	-46 50.261	-144 29.420	09.9	259.7	5004	5018	8496.3		34.375	08.729	358.1	
10/13/2005	286	18:15	-46 50.593	-144 32.767	09.6	260.1	5008	4693	8501.6		34.374	08.743	358.6	
10/13/2005	286	18:30	-46 50.951	-144 36.187	09.8	261.4	5012	5017	8495.3		34.374	08.734	358.7	
10/13/2005	286	18:45	-46 51.399	-144 40.025	09.1	260.3	5006	5205	8493.5		34.374	08.773	358.5	
10/13/2005	286	19:00	-46 51.660	-144 41.935	06.0	263.2	4996	5037	8477.9		34.377	08.781	358.2	
10/13/2005	286	19:15	-46 51.946	-144 44.053	06.0	262.5	4995	5017	8480.1		34.380	08.800	358.0	
10/13/2005	286	19:30	-46 52.133	-144 46.284	08.9	262.0	5004	5246	8476.4		34.381	08.742	357.8	slow to bring in maggie and launch XBT
10/13/2005	286	19:45	-46 52.421	-144 49.854	09.8	262.8	5066	5118	8503.7		34.376	08.727	359.5	
10/13/2005	286	20:00	-46 52.763	-144 53.066	09.5	257.5	5036	5043	8499.1		34.374	08.740	359.8	
10/13/2005	286	20:15	-46 53.264	-144 56.505	09.9	258.9	5000	5261	8497.4		34.373	08.738	359.9	
10/13/2005	286	20:30	-46 53.694	-144 59.934	09.3	259.9	4970	4996	8503.5		34.374	08.733	359.4	
10/13/2005	286	20:45	-46 54.052	-145 03.272	09.7	263.6	5007	5056	8499.1		34.376	08.768	359.6	
10/13/2005	286	21:00	-46 54.380	-145 06.497	08.7	265.4	4794	5152	8501.4		34.387	08.771	359.6	
10/13/2005	286	21:15	-46 54.733	-145 10.153	09.9	259.5	5055	5066	8500.0		34.388	08.778	359.0	
10/13/2005	286	21:30	-46 55.030	-145 13.491	09.3	263.8	5063	5457	8498.4		34.386	08.781	359.0	
10/13/2005	286	21:45	-46 55.351	-145 16.841	09.7	261.5	4989	5035	8501.5		34.384	08.818	358.3	

10/13/2005	286	22:00	-46 55.664	-145 20.166	09.6	261.8	4998	5180	8498.0		34.386	08.837	357.7		
10/13/2005	286	22:15	-46 56.015	-145 23.485	08.9	259.9	5018	5141	8498.2		34.396	08.833	357.9		
10/13/2005	286	22:30	-46 56.447	-145 27.078	09.7	259.1	4953	5066	8497.2		34.385	08.841	358.0		
10/13/2005	286	22:45	-46 56.880	-145 30.423	09.5	259.7	4839	5430	8497.0		34.390	08.795	358.0		
10/13/2005	286	23:00	-46 57.281	-145 33.774	09.0	263.0	5150	5535	8498.7		34.389	08.769	358.3		
10/13/2005	286	23:15	-46 57.602	-145 37.148	09.7	260.9	5166	5184	8495.3		34.369	08.735	359.5		
10/13/2005	286	23:30	-46 57.888	-145 40.041	09.5	261.1	5126	5140	8491.0		34.369	08.746	359.2		
10/13/2005	286	23:45	-46 58.200	-145 43.532	09.5	261.5	4940	5479	8499.9		34.371	08.743	358.8		
10/14/2005	287	00:00	-46 58.496	-145 46.778	09.3	261.2	4740	4741	8500.5		34.376	08.929	358.8		
10/14/2005	287	00:15	-46 58.771	-145 49.595	06.1	259.6	4861	4877	8490.5		34.381	08.779	358.8		Redeployment of magnetometer
10/14/2005	287	00:30	-46 58.989	-145 51.623	05.9	254.4	4658	4542	8493.8		34.383	08.793	358.1		
10/14/2005	287	00:45	-46 59.291	-145 53.862	05.7	258.1	4316	4497	8494.2		34.380	08.742	358.5		
10/14/2005	287	01:00	-46 59.579	-145 56.735	09.6	265.3	4857	4919	8511.8	50431	34.376	08.742	358.1		Magnetometer redeployed, back online and logging
10/14/2005	287	01:15	-46 59.869	-146 00.258	09.2	261.9	5028	5000	8503.3	50399	34.373	08.743	358.5		
10/14/2005	287	01:30	-47 00.154	-146 03.544	09.7	262.5	5049	5031	8506.2	50411	34.380	08.738	359.0		
10/14/2005	287	01:45	-47 00.495	-146 06.880	09.1	258.6	4963	5053	8502.2	50425	34.384	08.685	358.2		
10/14/2005	287	02:00	-47 00.909	-146 10.141	09.6	259.9	5132	5181	8504.6	50471	34.381	08.681	358.2		
10/14/2005	287	02:15	-47 01.264	-146 13.477	09.5	261.8	4900	5207	8506.4	50588	34.386	08.671	359.0		
10/14/2005	287	02:30	-47 01.628	-146 16.640	08.6	249.2	4498	4916	8513.7	50703	34.394	08.680	358.1		
10/14/2005	287	02:45	-47 02.445	-146 19.619	08.5	251.6	4498	4529	8517.1	50743	34.408	08.726	358.4		
10/14/2005	287	03:00	-47 03.074	-146 22.828	08.4	254.2	4569	5008	8520.1	50674	34.457	08.829	358.0		Marcel off, Stuart on
10/14/2005	287	03:15	-47 03.673	-146 25.770	07.9	250.8	4731	4874	8519.9	50571	34.518	08.833	360.6		
10/14/2005	287	03:30	-47 04.328	-146 29.028	08.8	254.0	4981	4980	8525.0	50467	34.497	08.775	361.6		
10/14/2005	287	03:45	-47 04.987	-146 32.128	09.1	254.8	4929	5453	8522.0	50422	34.496	08.747	361.4		
10/14/2005	287	04:00	-47 05.600	-146 35.155	08.8	276.2	4856	4866	8525.9	50388	34.497	08.746	362.7		
10/14/2005	287	04:15	-47 05.021	-146 39.395	08.5	281.5	4741	4743	8526.8	50364	34.489	08.718	363.0		
10/14/2005	287	04:30	-47 04.609	-146 42.211	09.2	280.0	4732	4735	8526.5	50351	34.480	08.730	362.4		
10/14/2005	287	04:45	-47 04.292	-146 44.940	09.2	277.7	4724	4769	8524.5	50351	34.440	08.718	360.1		
10/14/2005	287	05:00	-47 04.036	-146 48.103	09.1	276.1	4740	5031	8523.9	50377	34.493	08.780	359.1		
10/14/2005	287	05:15	-47 03.780	-146 51.645	09.2	275.1	4781	5012	8523.9	50382	34.485	08.790	359.1		
10/14/2005	287	05:30	-47 03.579	-146 54.587	08.8	272.6	4757	5205	8521.3	50369	34.503	08.794	361.5		
10/14/2005	287	05:45	-47 03.601	-146 57.524	07.5	253.0	4793	5077	8511.1	50358	34.518	08.830	361.4		
10/14/2005	287	06:00	-47 04.085	-147 00.151	07.0	254.7	4874	5243	8513.1	50386	34.487	08.734	361.9		
10/14/2005	287	06:15	-47 04.666	-147 03.387	06.8	253.2	4989	5224	8508.6	50487	34.438	08.695	360.2		
10/14/2005	287	06:30	-47 04.999	-147 05.015	05.7	255.3	5024	5036	8504.5	50554	34.431	08.683	359.1		
10/14/2005	287	06:45	-47 05.504	-147 07.077	07.1	244.6	5110	5561	8501.8	50634	34.428	08.679	358.6		
10/14/2005	287	07:00	-47 06.533	-147 09.154	07.0	234.7	5069	5059	8500.5	50680	34.435	08.695	358.6		
10/14/2005	287	07:15	-47 07.455	-147 10.972	05.7	222.1	5296	5487	8499.3	50716	34.451	08.755	359.7		
10/14/2005	287	07:30	-47 08.503	-147 13.097	06.7	238.1	5065	5525	8500.6	50768	34.462	08.754	360.4		
10/14/2005	287	07:45	-47 09.216	-147 14.475	05.8	235.0	4970	4683	8493.0	50800	34.461	08.748	360.9		
10/14/2005	287	08:00	-47 09.129	-147 16.755	05.9	293.6	4853	4990	8506.8	50852	34.462	08.785	360.5		
10/14/2005	287	08:15	-47 08.518	-147 18.636	06.4	292.3	4775	5084	8509.7	50823	34.481	08.843	361.1		
10/14/2005	287	08:30	-47 07.882	-147 20.920	06.4	294.9	4275	5113	8508.1	50776	34.482	08.821	361.1		
10/14/2005	287	08:45	-47 07.312	-147 23.025	07.3	291.2	4527	4671	8516.8	50731	34.483	08.934	362.0		
10/14/2005	287	09:00	-47 06.811	-147 25.002	06.9	290.4	4442	5547	8515.7	50740	34.490	08.932	364.2		
10/14/2005	287	09:15	-47 06.100	-147 27.345	06.8	265.0	4538	5434	8512.7	50782	34.491	08.930	362.9		
10/14/2005	287	09:30	-47 05.979	-147 30.374	06.7	250.6	4847	5361	8508.3	50868	34.493	08.933	362.8		
10/14/2005	287	09:45	-47 06.468	-147 32.234	05.9	247.6	5070	5390	8501.4	50908	34.492	08.939	362.6		
10/14/2005	287	10:00	-47 07.751	-147 34.281	06.6	251.9	4960	4965	8507.6	50923	34.488	08.951	363.2		
10/14/2005	287	10:15	-47 07.790	-147 37.836	07.2	262.0	4843	5227	8516.5	50945	34.482	08.950	362.3		
10/14/2005	287	10:30	-47 07.979	-147 39.383	07.6	261.0	4884	5322	8513.6	50960	34.487	08.915	360.9		
10/14/2005	287	10:45	-47 08.323	-147 42.296	08.5	257.9	4839	4913	8516.8	50955	34.490	08.943	363.0		
10/14/2005	287	11:00	-47 08.690	-147 44.931	07.1	255.6	4928	5462	8513.9	50992	34.478	09.024	362.6		
10/14/2005	287	11:15	-47 09.096	-147 47.600	07.2	256.4	4984	4995	8515.6	50899	34.474	09.060	360.5		

10/14/2005	287	11:30	-47 09.538	-147 50.246	08.4	257.5	5068	5497	8517.2	50868	34.473	09.074	359.5		
10/14/2005	287	11:45	-47 09.445	-147 53.104	06.5	256.5	5029	4710	8511.7	50828	34.473	09.074	359.5		
10/14/2005	287	12:00	-47 10.233	-147 55.391	06.6	259.1	4977	5377	8511.6	50784	34.471	09.075	359.5		
10/14/2005	287	12:15	-47 10.485	-147 58.217	06.9	262.7	4992	5566	8511.2	50748	34.491	08.971	360.6		
10/14/2005	287	12:30	-47 10.703	-147 00.649	07.0	262.6	5011	5321	8393.6	50745	34.493	08.945	361.7		
10/14/2005	287	12:45	-47 10.898	-148 02.398	06.2	262.0	4980	5494	8509.8	50747	34.492	08.983	361.7		rolly off mimi on
10/14/2005	287	13:00	-47 11.165	-148 04.996	07.7	262.8	4988	5322	8509.2	50752	34.485	08.989	361.5		
10/14/2005	287	13:15	-47 11.407	-148 07.521	07.2	263.6	5036	4835	8518.6	50756	34.485	08.923	361.5		
10/14/2005	287	13:30	-47 11.552	-148 10.001	07.4	268.3	5042	5064	8500.2	50746	34.501	08.776	361.5		
10/14/2005	287	13:45	-47 11.642	-148 12.589	06.9	263.5	4956	5379	8509.6	50752	34.481	08.697	363.1		
10/14/2005	287	14:00	-47 11.832	-148 15.029	06.8	265.6	4980	5220	8509.2	50824	34.467	08.675	362.5		
10/14/2005	287	14:15	-47 12.044	-148 17.248	05.9	260.1	4970	5478	8506.0	50943	34.482	08.734	363.5		
10/14/2005	287	14:30	-47 12.321	-148 19.875	07.1	262.0	4973	5236	8501.2	51000	34.511	08.879	364.2		
10/14/2005	287	14:45	-47 12.501	-148 22.325	06.9	261.7	4947	5248	8583.3	51069	34.528	08.888	365.8		
10/14/2005	287	15:00	-47 12.710	-148 25.119	07.1	261.4	4964	5127	8497.8	51126	34.547	08.884	366.9		
10/14/2005	287	15:15	-47 12.971	-148 27.236	06.4	263.2	4960	4629	8938.9	51145	34.546	08.873	366.9		
10/14/2005	287	15:30	-47 13.066	-148 29.660	07.8	264.8	4947	4551	8511.4	51159	34.530	08.834	366.0		
10/14/2005	287	15:45	-47 13.295	-148 32.126	06.8	259.4	5294	4795	8512.5	51181	34.514	08.840	366.6		
10/14/2005	287	16:00	-47 13.426	-148 34.689	06.5	270.0	4532	4758	8512.8	51215	34.514	08.859	365.5		
10/14/2005	287	16:15	-47 13.641	-148 37.203	06.5	265.8	4795	5359	8525.5	51247	34.501	08.858	365.1		
10/14/2005	287	16:30	-47 13.817	-148 39.681	07.8	264.6	4824	5390	8416.4	51256	34.496	08.846	364.5		
10/14/2005	287	16:45	-47 13.402	-148 42.603	08.9	278.9	4953	5187	8517.5	51273	34.533	08.795	364.4		
10/14/2005	287	17:00	-47 13.278	-148 45.955	09.4	280.6	4982	5215	8522.5	51256	34.531	08.799	364.4		
10/14/2005	287	17:15	-47 12.975	-148 49.357	08.9	279.6	5087	5003	8524.6	51228	34.546	08.810	366.1		MIMI OFF Lydia on
10/14/2005	287	17:30	-47 12.661	-148 52.677	09.2	282.6	5032	5380	8523.2	51243	34.539	08.799	367.9		
10/14/2005	287	17:45	-47 12.355	-148 56.009	08.9	282.0	5037	5014	8523.2	51249	34.536	08.788	367.5		
10/14/2005	287	18:00	-47 12.084	-148 59.467	09.5	273.7	4907	4914	8526.6	51151	34.544	08.849	368.2		
10/14/2005	287	18:15	-47 11.885	-149 03.015	10.0	272.7	5084	5192	8527.8	51135	34.539	08.879	367.3		
10/14/2005	287	18:30	-47 11.688	-149 06.509	09.0	272.6	4997	5307	8525.9	51225	34.535	08.889	367.3		
10/14/2005	287	18:45	-47 11.517	-149 10.033	10.1	271.8	4973	5185	8529.9	51274	34.537	08.883	365.2		
10/14/2005	287	19:00	-47 10.677	-149 16.015	10.0	284.6	5043	4927	7998.1	51297	34.534	08.883	365.9		
10/14/2005	287	19:15	-47 10.424	-149 17.321	09.6	286.0	4882	5486	8621.8	51274	34.541	08.889	366.1		
10/14/2005	287	19:30	-47 09.803	-149 20.500	09.9	287.4	5041	5054	8526.7	51213	34.537	08.896	366.7		
10/14/2005	287	19:45	-47 09.084	-149 24.017	09.9	286.1	4833	5184	8527.1	51293	34.539	08.898	366.8		
10/14/2005	287	20:00	-47 08.367	-149 27.507	10.2	290.3	4978	5293	8521.5	51372	34.536	08.882	367.2		
10/14/2005	287	20:15	-47 07.573	-149 31.243	09.4	291.8	5051	5056	8514.8	51369	34.531	08.895	367.2		
10/14/2005	287	20:30	-47 06.784	-149 34.545	10.6	290.7	5138	5157	8515.4	51421	34.548	08.892	367.0		
10/14/2005	287	20:45	-47 05.943	-149 38.113	10.2	293.3	5203	5369	8510.6	51495	34.547	08.900	367.4		
10/14/2005	287	21:00	-47 05.137	-149 41.606	10.1	287.5	4993	5435	8513.5	51451	34.544	08.908	366.2		
10/14/2005	287	21:15	-47 04.373	-149 45.044	10.0	289.9	5189	5182	8504.1	51321	34.536	08.918	366.2		
10/14/2005	287	21:30	-47 03.604	-149 48.613	10.4	291.0	5128	5223	8503.7	51154	34.522	09.000	365.0		
10/14/2005	287	21:45	-47 02.841	-149 52.157	10.0	286.4	5079	5471	8512.0	51015	34.529	09.098	364.7		
10/14/2005	287	22:00	-47 02.080	-149 55.616	09.8	287.7	4639	4630	8510.4	51086	34.540	09.169	362.4		
10/14/2005	287	22:15	-47 01.322	-149 59.115	09.9	288.9	4529	4674	8519.0	51172	34.538	09.200	360.7		
10/14/2005	287	22:30	-47 00.586	-150 02.688	10.5	288.0	5195	5352	8499.6	51196	34.538	09.192	360.0		
10/14/2005	287	22:45	-46 59.781	-150 06.221	10.5	290.2	5043	5044	8508.0	51211	34.540	09.193	360.4		
10/14/2005	287	23:00	-46 59.044	-150 09.338	10.1	287.1	4930	5135	8506.0	51249	34.543	09.208	360.6		Lydia off, Marcel on
10/14/2005	287	23:15	-46 58.040	-150 13.577	09.9	289.1	4727	4749	8503.2	51316	34.544	09.200	360.5		
10/14/2005	287	23:30	-46 47.474	-150 16.272	09.9	287.4	4674	5293	8511.4	51398	34.548	09.201	360.5		
10/14/2005	287	23:45	-46 56.722	-150 20.067	10.7	287.7	4651	4645	8510.2	51499	34.550	09.193	361.7		
10/15/2005	288	00:00	-46 55.898	-150 23.718	10.1	289.6	4668	4729	8510.9	51546	34.545	09.150	361.8		
10/15/2005	288	00:15	-46 55.077	-150 27.099	10.2	289.2	4760	4765	8507.1	51556	34.544	09.157	362.1		
10/15/2005	288	00:30	-46 54.189	-150 30.488	10.5	291.7	4767	5332	8483.1	51538	34.547	09.164	362.7		
10/15/2005	288	00:45	-46 53.213	-150 34.091	09.5	291.4	4882	4833	8507.3	51470	34.519	09.062	363.4		

10/15/2005	288	01:00	-46 52.288	-150 37.619	09.7	290.4	4769	4791	8505.8	51462	34.521	09.199	363.6	Marcel off, Stuart on
10/15/2005	288	01:15	-46 51.420	-001 50.132	10.7	290.2	4795	4820	8505.2	51475	34.533	09.193	363.6	
10/15/2005	288	01:30	-46 50.654	-150 44.298	09.8	289.4	4889	5004	8503.6	51520	34.537	09.218	359.0	
10/15/2005	288	01:45	-46 49.712	-150 48.071	10.3	289.0	4829	4972	8500.9	51442	34.527	09.244	359.4	
10/15/2005	288	02:00	-46 48.949	-150 51.562	10.2	288.5	4844	4853	8498.6	51126	34.527	09.224	359.5	
10/15/2005	288	02:15	-46 48.213	-150 55.121	10.5	289.3	4904	4920	8497.4	50944	34.539	09.222	361.2	
10/15/2005	288	02:30	-46 47.467	-150 58.832	10.8	282.5	4910	5448	8498.3	50905	34.523	09.236	361.2	
10/15/2005	288	02:45	-46 46.778	-151 02.511	10.8	285.5	5130	5440	8492.7	50918	34.524	09.224	361.2	
10/15/2005	288	03:00	-46 46.118	-151 06.032	10.8	283.0	5008	5043	8488.7	50932	34.520	09.253	359.1	
10/15/2005	288	03:15	-46 45.482	-151 09.428	12.7	281.8	4951	5039	8495.0	50900	34.523	09.235	357.9	
10/15/2005	288	03:30	-46 44.812	-151 13.881	12.7	277.6	5012	5119	8504.9	50853	34.539	09.206	358.5	
10/15/2005	288	03:45	-46 44.361	-151 18.267	12.7	278.9	4960	5161	8508.1	50999	34.532	09.238	360.6	
10/15/2005	288	04:00	-46 43.905	-151 22.657	12.2	279.0	4942	4957	8508.1	51312	34.532	09.245	359.5	
10/15/2005	288	04:15	-46 43.445	-151 26.949	12.6	277.7	4981	5059	8499.9	51514	34.451	09.307	360.0	
10/15/2005	288	04:30	-46 42.962	-151 31.966	12.0	279.7	4966	4961	8500.4	51581	34.441	09.322	360.0	
10/15/2005	288	04:45	-46 42.593	-151 36.145	12.4	277.7	4940	4941	8503.2	51591	34.461	09.261	356.8	
10/15/2005	288	05:00	-46 42.172	-151 50.670	12.3	278.1	4971	4932	8498.3	51629	34.484	09.257	358.6	
10/15/2005	288	05:15	-46 41.802	-151 45.191	12.9	275.8	4979	4987	8500.3	51650	34.478	09.257	357.8	
10/15/2005	288	05:30	-46 41.445	-151 49.666	12.9	276.4	4976	4989	8495.2	51598	34.533	09.253	359.2	
10/15/2005	288	05:46	-46 41.087	-151 54.602	12.4	273.5	5064	4983	8490.4	51604	34.547	09.285	363.2	
10/15/2005	288	06:00	-46 40.822	-151 58.501	12.7	277.1	5040	4519	8489.5	51607	34.559	09.230	363.1	
10/15/2005	288	06:15	-46 40.467	-152 03.075	12.5	278.2	5005	5027	8487.6	51646	34.562	09.231	363.1	
10/15/2005	288	06:30	-46 40.132	-152 07.614	11.9	276.7	4829	4874	8492.5	51648	34.563	09.224	362.8	
10/15/2005	288	07:00	-46 39.593	-152 16.614	12.6	275.1	4706	4696	8505.3	51690	34.554	09.223	362.8	
10/15/2005	288	07:15	-46 39.334	-152 21.006	12.7	274.2	4809	4804	8509.4	51677	34.561	09.213	363.0	
10/15/2005	288	07:30	-46 39.065	-152 25.301	09.4	277.3	4644	4655	8501.9	51736	34.576	09.221	363.0	
10/15/2005	288	07:45	-46 38.796	-152 29.406	11.8	277.9	4535	4541	8506.6	51776	34.572	09.221	363.0	
10/15/2005	288	08:00	-46 38.516	-152 33.368	11.5	277.0	4599	4585	8505.4	51795	34.578	09.105	362.3	
10/15/2005	288	08:15	-46 38.177	-152 37.702	11.9	276.9	4636	4622	8503.7	51766	34.568	09.120	366.3	Stuart out, Rolly in
10/15/2005	288	08:30	-46 37.859	-152 41.700	11.3	278.4	4666	4664	8503.4	51823	34.577	09.211	365.1	
10/15/2005	288	08:45	-46 37.593	-152 45.769	12.0	270.3	4711	4685	8503.5	51878	34.570	09.203	363.2	
10/15/2005	288	09:00	-46 37.716	-152 51.312	11.4	268.9	4586	4590	8502.6	51735	34.580	09.214	362.4	
10/15/2005	288	09:15	-46 37.725	-152 54.424	11.3	268.5	4473	4514	8502.9	51495	34.586	09.197	362.2	
10/15/2005	288	09:30	-46 37.725	-152 58.683	11.8	268.9	4556	4559	8499.5	51546	34.576	09.274	362.2	
10/15/2005	288	09:45	-46 37.810	-152 02.344	08.9	268.3	4615	5292	8501.2	51785	34.577	09.298	361.0	
10/15/2005	288	10:00	-46 37.986	-153 07.276	12.1	267.1	4456	4466	8499.4	51893	34.575	09.312	361.3	
10/15/2005	288	10:15	-46 38.147	-153 10.977	12.4	266.3	4694	4676	8499.5	51927	34.575	09.620	360.5	
10/15/2005	288	10:30	-46 38.300	-153 15.421	12.1	266.1	5003	5451	8500.7	51957	34.569	09.328	359.6	
10/15/2005	288	10:45	-46 38.458	-153 20.489	12.3	269.8	4291	4085	8496.5	51994	34.581	09.282	359.8	
10/15/2005	288	11:00	-46 38.578	-153 24.665	11.9	267.1	4531	4569	8498.5	51990	34.573	09.308	359.8	
10/15/2005	288	11:15	-46 38.666	-153 28.120	11.6	267.6	4524	4779	8500.0	52069	34.575	09.311	359.8	
10/15/2005	288	11:30	-46 38.806	-153 33.579	12.1	268.1	4582	4586	8500.4	52124	34.574	09.315	358.9	
10/15/2005	288	11:45	-46 38.937	-153 37.705	11.6	268.1	4538	4543	8499.9	52123	34.574	09.319	359.2	
10/15/2005	288	12:00	-46 39.031	-153 41.703	11.6	270.6	4512	4964	8502.3	52191	34.576	09.331	359.1	
10/15/2005	288	12:15	-46 39.111	-153 46.475	12.0	269.7	4441	4451	8498.2	52164	34.566	09.340	359.1	
10/15/2005	288	12:30	-46 39.209	-153 50.699	11.9	268.8	4575	4566	8497.7	51964	34.566	09.334	358.3	
10/15/2005	288	12:45	-46 39.340	-153 55.824	12.2	266.6	4518	4519	8497.8	51879	34.555	09.355	358.3	
10/15/2005	288	13:00	-46 39.426	-153 59.344	11.8	268.2	4390	4414	8502.1	51910	34.556	09.357	356.1	
10/15/2005	288	13:15	-46 39.525	-154 01.322	11.9	268.5	4391	3953	8502.5	52252	34.555	09.352	356.1	
10/15/2005	288	13:30	-46 39.612	-154 08.110	12.1	268.8	4022	3891	8520.4	52218	34.556	09.358	356.4	
10/15/2005	288	13:45	-46 39.706	-154 12.025	11.7	268.6	3977	4000	8522.8	52277	34.553	09.352	356.4	rolly off mimi on
10/15/2005	288	14:00	-46 39.807	-154 16.598	12.4	267.4	4181	4178	8511.4	52361	34.553	09.360	356.8	
10/15/2005	288	14:15	-46 39.901	-154 21.415	12.5	269.3	4331	4805	8502.2	52392	34.552	09.362	357.0	
10/15/2005	288	14:30	-46 40.010	-154 25.494	12.0	268.9	4422	4421	8496.4	52428	34.551	09.365	357.0	

10/15/2005	288	14:45	-46 40.027	-154 29.930	12.5	270.4	4563	4505	8491.6	52432	34.554	09.351	355.5		bathy "rad" Julianne working on it
10/15/2005	288	15:00	-46 40.001	-154 34.361	12.2	270.4	4642	4624	8487.5	52352	34.557	09.358	356.2		
10/15/2005	288	15:15	-46 39.989	-154 39.102	12.1	269.3		4673	8484.7	52158	34.553	09.358	355.4		
10/15/2005	288	15:30	-46 39.998	-154 43.607	12.5	270.8	4543	4544	8484.6	52098	34.555	09.347	356.9		
10/15/2005	288	15:45	-46 39.984	-154 47.745	12.4	270.1	4706	4545	8488.6	51973	34.555	09.338	356.8		
10/15/2005	288	16:00	-46 39.986	-154 52.345	12.1	268.6	4292	4275	8495.5	51842	34.554	09.343	356.9		
10/15/2005	288	16:15	-46 39.997	-154 56.647	12.2	270.3	4218	4320	8510.7	51857	34.556	09.351	356.5		
10/15/2005	288	16:30	-46 40.011	-155 01.128	12.6	268.9	4741	4732	8497.6	51920	34.556	09.345	356.5		
10/15/2005	288	16:45	-46 40.027	-155 05.692	12.8	268.9	4697	4706	8493.3	52007	34.557	09.346	356.1		
10/15/2005	288	17:00	-46 40.033	-155 10.721	12.7	269.6	4536	4544	8492.0	52048	34.564	09.337	357.8		
10/15/2005	288	17:15	-46 40.047	-155 14.828	12.6	269.1	4448	4469	8500.1	52081	34.565	09.337	357.5		
10/15/2005	288	17:30	-46 40.088	-155 19.356	12.3	269.5	4110	4161	8503.8	52107	34.564	09.345	357.6		
10/15/2005	288	17:45	-46 40.230	-155 23.958	12.7	264.6	4010	4443	8505.6	52092	34.561	09.355	357.6		
10/15/2005	288	18:00	-46 40.456	-155 28.517	12.7	265.0	4708	4699	8498.7	52088	34.562	09.352	356.8		
10/15/2005	288	18:16	-46 40.701	-155 33.082	12.8	266.6	4719	4713	8496.8	52089	34.561	09.358	356.8		mimi off lydia on
10/15/2005	288	18:30	-46 40.892	-155 37.839	12.9	266.4	4682	4680	8500.9	52393	34.562	09.349	356.2		
10/15/2005	288	18:45	-46 41.084	-155 42.133	12.0	268.2	4667	4442	8501.8	52555	34.563	09.353	356.8	bathy restarted	
10/15/2005	288	19:00	-46 41.320	-155 46.852	12.8	265.8	NA	4608	8503.9	52587	34.576	09.356	357.0		
10/15/2005	288	19:15	-46 41.430	-155 51.339	12.8	269.1	NA	4686	8503.4	52279	34.573	09.350	357.5		
10/15/2005	288	19:30	-46 41.514	-155 56.213	12.2	268.7	NA	4760	8500.5	52162	34.574	09.506	357.5		
10/15/2005	288	19:45	-46 41.661	-156 01.056	12.4	262.6	NA	4642	8501.8	52170	34.565	09.488	357.9		
10/15/2005	288	20:00	-46 41.933	-156 05.092	12.8	267.0	NA	4754	8501.3	52176	34.570	09.488	357.3		
10/15/2005	288	20:15	-46 42.038	-156 09.805	12.5	267.3	NA	4450	8501.0	52217	34.550	09.474	357.0		
10/15/2005	288	20:30	-46 42.114	-156 14.192	12.6	268.8	NA	4636	8500.7	52294	34.583	09.519	357.6		
10/15/2005	288	20:45	-46 42.262	-156 18.657	12.6	267.1	NA	4555	8503.0	52368	34.574	09.538	357.9		
10/15/2005	288	21:00	-46 42.489	-156 23.648	12.6	266.2	4836	4618	8501.0	52655	34.574	09.550	357.9	bathy reset, data good now	
10/15/2005	288	21:15	-46 42.694	-156 27.834	13.0	267.1	4828	4821	8497.5	52767	34.574	09.557	357.2		
10/15/2005	288	21:30	-46 42.869	-156 33.003	12.8	267.1	4931	5492	8490.6	52641	34.557	09.610	355.6		
10/15/2005	288	21:45	-46 42.954	-156 37.102	12.8	269.6	4994	4974	8488.4	52630	34.558	09.623	355.4		
10/15/2005	288	22:00	-46 42.996	-156 41.911	12.6	269.0	4836	4681	8490.2	52563	34.558	09.625	356.0		
10/15/2005	288	22:15	-46 43.190	-156 47.122	12.6	265.6	4977	4949	8488.3	52432	34.543	09.606	356.2		
10/15/2005	288	22:30	-46 43.423	-156 52.400	12.6	266.0	4958	4971	8487.1	52544	34.575	09.501	356.0		
10/15/2005	288	22:45	-46 43.484	-156 55.486	12.5	269.4	4812	4813	8486.9	52642	34.593	09.382	356.0		
10/15/2005	288	23:00	-46 43.504	-157 00.135	12.8	267.1	4827	4853	8489.8	52845	34.579	09.407	362.2	bathy down / lydia off, Marcel on	
10/15/2005	288	23:15	-46 43.627	-157 04.817	12.8	268.6	4780	4785	8492.7	52850	34.583	09.491	361.2		
10/15/2005	288	23:30	-46 43.725	-157 08.900	12.5	268.1	4910	4888	8490.4	52779	34.583	09.524	361.9		
10/15/2005	288	23:45	-46 43.821	-157 14.117	12.2	269.9	4895	4899	8487.7	52743	34.590	09.805	364.2		
10/16/2005	289	00:00	-46 43.909	-157 18.350	12.8	267.0	4978	5481	8483.0	52804	34.577	09.603	364.0		
10/16/2005	289	00:15	-46 44.027	-157 23.508	13.7	268.0	4892	4900	8490.1	52919	34.584	09.531	363.7		
10/16/2005	289	00:30	-46 44.123	-157 28.048	13.5	269.0	4831	4828	8493.6	52931	34.579	09.528	363.7		
10/16/2005	289	00:45	-46 44.218	-157 33.325	13.8	268.7	4994	4994	8493.5	52924	34.570	09.473	364.3		
10/16/2005	289	01:00	-46 44.291	-157 37.853	13.7	268.1	5055	5025	8496.8	52981	34.575	09.632	364.5		
10/16/2005	289	01:15	-46 44.410	-157 42.923	13.5	268.1	5027	5042	8493.7	52991	34.591	09.646	364.7		
10/16/2005	289	01:30	-46 44.531	-157 47.531	13.7	268.1	4798	4924	8495.4	52880	34.597	09.633	365.8		
10/16/2005	289	01:45	-46 44.696	-157 52.739	13.5	266.8	5002	5002	8496.8	52762	34.582	09.557	365.8		
10/16/2005	289	02:00	-46 44.901	-157 58.398	13.2	266.9	4954	4862	8500.0	52499	34.592	09.561	365.8		
10/16/2005	289	02:15	-46 45.022	-158 02.531	13.4	268.8	5001	4968	8500.4	52739	34.608	09.577	365.1		
10/16/2005	289	02:30	-46 45.157	-158 07.338	13.6	267.4	4928	4939	8500.4	52964	34.610	09.572	364.5		
10/16/2005	289	02:45	-46 45.284	-158 12.170	13.5	268.5	4805	4799	8502.4	53042	34.611	09.592	363.9		
10/16/2005	289	03:00	-46 45.340	-158 17.175	13.8	268.2	4904	5033	8501.6	53153	34.624	09.769	364.4		
10/16/2005	289	03:15	-46 45.442	-158 22.137	14.0	268.1	5059	5055	8501.1	53208	34.625	09.768	368.5		
10/16/2005	289	03:30	-46 45.543	-158 27.085	13.3	269.2	5066	5085	8499.9	53202	34.614	09.791	362.6		
10/16/2005	289	03:45	-46 45.644	-158 31.970	13.2	270.2	5012	5025	8498.7	53181	34.607	09.796	362.6		
10/16/2005	289	04:00	-46 45.749	-158 36.983	13.6	267.5	4683	4735	8501.6	53299	34.604	09.783	356.0	Marcel off, Stuart on	

10/16/2005	289	04:15	-46 45.874	-158 41.911	13.5	270.5	5029	5044	8502.6	53262	34.606	09.824	355.7	
10/16/2005	289	04:30	-46 45.848	-158 46.798	13.9	270.9	4697	4702	8504.2	53223	34.600	09.730	354.3	
10/16/2005	289	04:45	-46 45.820	-158 51.437	13.6	271.0	4990	4961	8504.1	53186	34.600	09.651	354.9	
10/16/2005	289	05:00	-46 46.763	-158 56.569	13.6	270.4	4581	4561	8504.6	53062	34.601	09.680	354.1	
10/16/2005	289	05:15	-46 45.713	-159 01.801	13.8	270.6	5117	5121	8502.2	52875	34.591	09.697	353.8	
10/16/2005	289	05:30	-46 45.815	-159 07.099	13.7	268.6	5062	5066	8498.2	52830	34.593	09.752	353.9	
10/16/2005	289	05:45	-46 45.945	-159 12.405	13.6	268.5	5119	5122	8497.6	52848	34.583	09.776	354.9	
10/16/2005	289	06:00	-46 46.037	-159 12.162	13.6	267.9	5042	5066	8497.1	52817	34.579	09.786	353.8	
10/16/2005	289	06:15	-46 46.171	-159 21.986	13.6	267.8	5004	5025	8500.3	52821	34.578	09.796	353.5	
10/16/2005	289	06:30	-46 46.293	-159 26.757	13.4	268.7	4937	4950	8501.0	53073	34.581	09.783	353.6	
10/16/2005	289	06:45	-46 46.302	-159 31.779	13.9	271.5	4963	4973	8502.6	53253	34.578	09.780	353.5	
10/16/2005	289	07:00	-46 46.103	-159 36.736	13.7	272.9	4968	4961	8501.4	53321	34.575	09.781	353.5	
10/16/2005	289	07:15	-46 46.132	-159 41.735	13.7	267.2	4997	5004	8500.4	53388	34.576	09.757	352.1	
10/16/2005	289	07:30	-46 46.294	-159 46.512	13.7	266.7	4997	5014	8498.5	53385	34.476	09.796	351.8	
10/16/2005	289	07:45	-46 46.211	-159 51.515	13.6	271.2	5037	5043	8496.8	53363	34.577	09.831	353.0	
10/16/2005	289	08:00	-46 46.154	-159 56.295	13.6	271.3	5110	5125	8495.2	53324	34.576	09.831	352.4	
10/16/2005	289	08:15	-46 46.090	-160 02.021	13.7	271.4	4268	4273	8500.2	53455	34.578	09.815	353.2	
10/16/2005	289	08:30	-46 46.113	-160 06.392	13.7	269.0	5166	5168	8499.8	53396	34.600	09.817	353.1	
10/16/2005	289	08:45	-46 46.250	-160 11.345	13.7	267.4	5098	5104	8495.5	53472	34.614	09.869	353.1	
10/16/2005	289	09:00	-46 46.278	-160 16.252	13.5	272.3	5024	5039	8496.0	53472	34.590	09.768	354.5	
10/16/2005	289	09:15	-46 46.185	-160 22.022	13.8	269.3	5091	5107	8495.9	53461	34.584	09.836	353.9	
10/16/2005	289	09:30	-46 46.162	-160 26.505	13.5	271.8	5097	5125	8495.0	53483	34.621	09.847	354.0	
10/16/2005	289	09:45	-46 46.096	-160 31.582	13.5	268.7	5086	5098	8494.1	53533	34.604	09.898	353.8	
10/16/2005	289	10:00	-46 46.243	-160 36.485	13.5	266.2	5187	5206	8493.8	53569	34.624	09.877	354.5	
10/16/2005	289	10:15	-46 46.219	-160 41.342	13.6	271.8	4798	4973	8493.4	53576	34.622	09.874	354.5	
10/16/2005	289	10:30	-46 46.120	-160 46.790	13.8	271.6	5140	5150	8493.8	53588	34.620	09.855	353.9	
10/16/2005	289	10:45	-46 46.069	-160 51.202	13.7	268.9	4948	4926	8496.1	53614	34.626	09.836	353.3	
10/16/2005	289	11:00	-46 46.141	-160 56.403	13.6	269.4	5032	5070	8497.1	53557	34.626	09.851	353.1	
10/16/2005	289	11:15	-46 46.222	-161 02.008	13.5	272.3	5157	5160	8495.7	53621	34.624	09.846	353.0	
10/16/2005	289	11:30	-46 46.183	-161 06.055	13.6	270.5	4815	4724	8497.2	53636	34.618	09.905	353.3	
10/16/2005	289	11:45	-46 46.154	-161 10.776	13.7	270.8	5182	5180	8497.5	53719	34.634	09.889	353.4	
10/16/2005	289	12:00	-46 46.118	-161 15.756	13.8	269.7	5185	5195	8495.4	53763	34.629	09.836	353.4	
10/16/2005	289	12:15	-46 46.092	-161 21.531	13.8	269.7	5143	5155	8495.6	53853	34.632	09.831	356.7	
10/16/2005	289	12:30	-46 46.005	-161 26.998	13.4	271.9	5156	5176	8496.3	53932	34.626	09.840	357.2	
10/16/2005	289	12:45	-46 45.998	-161 32.016	13.6	270.1	5188	5211	8495.0	53916	34.618	09.811	355.7	
10/16/2005	289	13:00	-46 45.956	-161 36.181	14.0	272.1	5246	5273	8497.8	53817	34.621	09.800	355.6	
10/16/2005	289	13:15	-46 45.802	-161 42.212	14.0	272.8	5297	5338	8496.5	53649	34.616	09.826	355.9	
10/16/2005	289	13:30	-46 45.627	-161 46.999	13.7	271.9	5371	5393	8494.8	53657	34.621	09.809	355.9	
10/16/2005	289	13:45	-46 45.558	-161 50.806	13.9	271.3	5320	5339	8497.1	53684	34.619	09.805	355.9	
10/16/2005	289	14:00	-46 45.479	-161 55.670	13.7	271.6	5293	5316	8499.9	53662	34.626	09.778	356.4	
10/16/2005	289	14:15	-46 45.463	-162 00.952	13.9	270.6	4542	5009	8497.5	53712	34.646	09.776	358.1	
10/16/2005	289	14:30	-46 45.424	-162 05.538	13.5	270.8	5114	5141	8499.4	53730	34.673	09.773	361.7	
10/16/2005	289	14:45	-46 45.291	-162 10.397	13.6	273.1	5234	5252	8491.8	53702	34.638	09.820	359.6	
10/16/2005	289	15:00	-46 45.134	-162 15.389	14.0	272.1	5312	5338	8489.3	53701	34.620	09.839	355.6	
10/16/2005	289	15:15	-46 44.994	-162 20.468	13.7	272.9	5336	5354	8487.6	53738	34.622	09.847	355.6	
10/16/2005	289	15:30	-46 44.861	-162 25.391	13.9	272.4	5422	5444	8487.2	53759	34.620	09.838	354.0	
10/16/2005	289	15:45	-46 44.755	-162 30.378	13.7	272.3	5373	5414	8488.2	53821	34.642	09.789	354.9	
10/16/2005	289	16:00	-46 44.604	-162 35.231	13.5	272.4	5198	5219	8492.1	53826	34.627	09.793	358.0	
10/16/2005	289	16:15	-46 44.452	-162 40.821	13.5	272.7	5161	5328	8489.7	53775	34.628	09.796	356.0	
10/16/2005	289	16:30	-46 44.346	-162 45.234	13.5	271.4	4621	5044	8490.6	53753	34.624	09.787	355.4	
10/16/2005	289	16:45	-46 44.189	-162 50.506	13.6	274.4	5380	5393	8488.7	53778	34.654	09.723	354.2	
10/16/2005	289	17:00	-46 44.062	-162 55.151	13.5	271.8	5377	5386	8484.8	53779	34.655	09.722	354.2	
10/16/2005	289	17:15	-46 43.881	-163 00.133	14.0	273.5	5376	5382	8483.7	53747	34.669	09.764	358.9	
10/16/2005	289	17:30	-46 43.755	-163 05.152	13.8	271.3	5295	5314	8484.0	53822	34.665	09.765	360.2	

10/16/2005	289	17:45	-46 43.617	-163 10.161	13.7	272.4	4940	4997	8488.7	54017	34.678	09.746	359.9
10/16/2005	289	18:00	-46 43.585	-163 15.222	13.7	269.1	5266	5293	8492.9	54077	34.668	09.861	361.5
10/16/2005	289	18:15	-46 43.630	-163 20.079	13.5	270.9	5247	5268	8490.6	53873	34.666	09.899	358.7
10/16/2005	289	18:30	-46 43.551	-163 25.054	13.6	272.0	5245	5272	8489.9	53886	34.655	10.100	358.4
10/16/2005	289	18:45	-46 43.477	-163 30.049	13.8	271.2	5314	5341	8491.4	54068	34.662	09.870	359.3
10/16/2005	289	19:00	-46 43.290	-163 34.917	13.3	274.6	5212	5242	8492.3	54237	34.728	10.065	362.5
10/16/2005	289	19:15	-46 42.984	-163 39.806	13.6	276.2	5121	5143	8494.5	54379	34.749	10.121	360.2
10/16/2005	289	19:30	-46 42.816	-163 44.648	13.6	271.4	5068	5061	8494.8	54386	34.740	09.969	360.4
10/16/2005	289	19:45	-46 42.729	-163 49.644	13.9	271.4	5292	5328	8489.0	54314	34.737	10.211	360.7
10/16/2005	289	20:00	-46 42.617	-163 54.632	13.6	274.1	5358	5379	8487.0	54385	34.772	10.302	362.9
10/16/2005	289	20:15	-46 42.323	-163 59.376	13.4	273.1	5224	5264	8487.1	54425	34.776	10.284	362.9
10/16/2005	289	20:30	-46 42.261	-164 04.903	13.6	271.2	5273	5287	8484.3	54352	34.781	10.337	361.2
10/16/2005	289	20:45	-46 42.198	-164 09.608	13.6	273.0	5324	5344	8483.6	54251	34.783	10.365	361.3
10/16/2005	289	21:00	-46 41.876	-164 14.774	13.7	274.3	5334	5367	8481.5	54203	34.783	10.347	361.2
10/16/2005	289	21:15	-46 41.739	-164 20.038	13.7	271.7	5353	5314	8483.4	54198	34.785	10.354	361.6
10/16/2005	289	21:30	-46 41.624	-164 24.275	13.6	273.4	5356	5345	8483.9	54222	34.784	10.339	361.8
10/16/2005	289	21:45	-46 41.448	-164 29.073	13.5	275.3	5312	5790	8486.5	54269	34.780	10.353	362.4
10/16/2005	289	22:00	-46 41.135	-164 33.983	13.5	274.4	5293	5304	8488.7	54330	34.741	10.159	362.4
10/16/2005	289	22:15	-46 40.945	-164 38.888	13.5	273.0	5259	5281	8490.1	54404	34.747	10.243	357.4
10/16/2005	289	22:30	-46 40.786	-164 43.857	13.4	270.5	5181	5199	8492.8	54448	34.773	10.317	358.0
10/16/2005	289	22:45	-46 40.680	-164 48.615	13.5	271.8	5152	5170	8494.8	54406	34.777	10.347	359.3
10/16/2005	289	23:00	-46 40.543	-164 53.499	13.4	271.9	5139	5153	8494.5	54334	34.778	10.358	359.8
10/16/2005	289	23:15	-46 40.340	-164 58.468	13.1	273.1	5148	5157	8494.4	54320	34.782	10.359	359.9
10/16/2005	289	23:30	-46 40.165	-165 03.235	12.9	274.7	5129	5147	8493.3	54381	34.777	10.446	360.1
10/16/2005	289	23:45	-46 39.984	-165 07.833	13.1	273.8	5153	5179	8495.9	54410	34.783	10.423	357.9
10/17/2005	290	00:00	-46 39.789	-165 12.573	12.6	274.1	5169	5185	8492.2	54449	34.781	10.411	358.5
10/17/2005	290	00:15	-46 39.605	-165 17.303	13.1	273.8	5190	5215	8493.9	54497	34.781	10.395	359.1
10/17/2005	290	00:30	-46 39.354	-165 22.396	13.1	274.1	5226	5246	8491.3	54500	34.778	10.408	359.9
10/17/2005	290	00:45	-46 39.063	-165 27.102	13.0	276.5	5258	5852	8488.1	54451	34.774	10.396	358.0
10/17/2005	290	01:00	-46 38.722	-165 31.633	13.1	274.4	5248	5268	8487.9	54470	34.776	10.458	357.7
10/17/2005	290	01:15	-46 38.491	-165 36.430	13.3	274.2	5297	5319	8485.0	54491	34.767	10.435	357.7
10/17/2005	290	01:30	-46 38.292	-165 41.089	13.3	273.3	5323	5346	8484.0	54544	34.762	10.471	355.4
10/17/2005	290	01:45	-46 38.088	-165 45.616	12.8	272.8	5350	5370	8481.3	54597	34.762	10.455	355.0
10/17/2005	290	02:00	-46 37.824	-165 50.565	13.4	274.2	5361	5386	8482.6	54613	34.756	10.448	355.4
10/17/2005	290	02:15	-46 37.534	-165 55.215	13.2	275.9	5377	5421	8478.7	54643	34.766	10.428	356.1
10/17/2005	290	02:30	-46 37.271	-165 59.893	13.2	274.5	5306	5329	8482.2	54678	34.768	10.421	357.4
10/17/2005	290	02:45	-46 37.043	-165 04.708	13.0	274.1	5152	5176	8486.0	54642	34.771	10.433	357.4
10/17/2005	290	03:00	-46 36.845	-166 09.448	13.0	272.4	4941	4965	8488.2	54646	34.770	10.774	357.4
10/17/2005	290	03:15	-46 36.706	-166 14.223	12.9	274.7	5129	5173	8484.0	54650	34.769	10.488	358.2
10/17/2005	290	03:30	-46 36.461	-166 19.134	13.0	274.4	5416	5472	8475.4	54634	34.768	10.539	357.1
10/17/2005	290	03:45	-46 36.119	-166 24.337	13.3	275.9	5574	5595	8466.1	54664	34.775	10.571	358.3
10/17/2005	290	04:00	-46 35.785	-166 28.527	13.2	276.5	5539	5560	8461.1	54665	34.775	10.536	357.5
10/17/2005	290	04:15	-46 35.436	-166 33.427	13.4	276.4	5641	5662	8460.1	54679	34.769	10.510	358.1
10/17/2005	290	04:30	-46 35.141	-166 38.285	13.5	273.6	5083	5245	8465.9	54741	34.766	10.544	358.1
10/17/2005	290	04:45	-46 34.934	-166 42.915	13.4	273.7	5302	5325	8473.5	54704	34.764	10.578	358.2
10/17/2005	290	05:00	-46 34.704	-166 47.627	13.6	274.9	5310	5357	8478.7	54498	34.759	10.596	358.5
10/17/2005	290	05:15	-46 34.421	-166 53.351	13.4	274.2	5181	5250	8482.1	54385	34.754	10.669	358.5
10/17/2005	290	05:30	-46 34.158	-166 58.329	13.6	274.1	5379	5436	8480.9	54490	34.757	10.655	357.8
10/17/2005	290	05:45	-46 33.921	-167 02.476	13.5	274.4	5362	5389	8481.0	54393	37.749	10.746	357.9
10/17/2005	290	06:00	-46 33.505	-167 07.884	13.1	276.7	5398	5390	8477.6	54377	34.740	10.685	358.9
10/17/2005	290	06:15	-46 33.173	-167 11.934	11.9	277.4	5350	5387	8472.3	54558	34.733	10.706	358.9
10/17/2005	290	06:30	-46 32.883	-167 16.236	11.8	275.8	5400	5432	8472.4	54750	34.721	10.702	357.7
10/17/2005	290	06:45	-46 32.658	-167 20.477	11.9	274.4	5433	5459	8467.3	54799	34.764	10.745	357.9
10/17/2005	290	07:00	-46 32.440	-167 24.834	11.9	273.6	5383	5446	8472.0	54780	34.777	10.797	359.0

Lydia off, Marcel on

Marcel off, Stuart on

10/17/2005	290	07:15	-46 32.123	-167 29.395	11.9	276.5	5419	5459	8475.2	54796	34.804	10.866	358.8	Stuart out, Rolly in
10/17/2005	290	07:30	-46 31.898	-167 33.588	12.4	274.3	5191	5233	8474.4	54923	34.810	10.887	358.9	
10/17/2005	290	07:45	-46 31.719	-167 38.105	12.0	277.4	4588	4539	8482.8	54994	34.806	10.797	358.7	
10/17/2005	290	08:00	-46 31.308	-167 41.775	11.7	280.3	4954	4923	8480.5	54973	34.804	10.797	358.7	
10/17/2005	290	08:15	-46 30.948	-167 46.425	12.2	272.5	5585	5599	8474.1	54901	34.809	10.667	356.7	
10/17/2005	290	08:30	-46 30.768	-167 50.657	12.1	276.6	5420	5456	8471.1	54917	34.778	10.683	360.3	
10/17/2005	290	08:45	-46 30.416	-167 54.682	12.1	276.0	5456	5488	8467.4	54947	34.789	10.712	360.0	
10/17/2005	290	09:00	-46 30.206	-167 59.214	11.9	274.5	5534	5554	8467.6	54996	34.799	10.762	357.8	
10/17/2005	290	09:15	-46 29.923	-168 03.855	12.0	275.3	5390	5425	8465.2	55001	34.807	10.907	357.5	
10/17/2005	290	09:30	-46 29.682	-168 08.145	11.9	276.7	5447	5480	8463.1	54992	34.812	10.923	356.7	
10/17/2005	290	09:45	-46 29.324	-168 11.797	12.0	279.1	5515	5532	8464.5	54969	34.813	10.929	354.7	
10/17/2005	290	10:00	-46 28.890	-168 16.643	11.8	272.7	5524	5542	8464.7	54968	34.819	10.909	355.2	
10/17/2005	290	10:15	-46 28.671	-168 21.718	12.1	271.6	5302	5589	8465.9	54021	34.813	10.968	356.0	
10/17/2005	290	10:30	-46 28.440	-168 25.253	12.0	278.7	5284	5327	8465.6	55043	34.809	11.108	355.2	
10/17/2005	290	10:45	-46 27.990	-168 30.101	11.9	276.2	5438	5469	8463.7	55052	34.812	10.934	354.6	
10/17/2005	290	11:00	-46 27.729	-168 33.832	11.8	275.7	5337	5349	8461.8	55122	34.814	10.937	354.4	
10/17/2005	290	11:15	-46 27.393	-168 38.302	12.1	277.4	5422	5434	8458.6	55137	34.818	10.947	354.4	
10/17/2005	290	11:30	-46 27.086	-168 42.192	12.1	276.5	5422	5448	8455.5	55095	34.824	10.924	355.4	
10/17/2005	290	11:45	-46 26.735	-168 46.575	11.9	276.5	5546	5565	8453.5	55062	34.821	10.966	355.8	
10/17/2005	290	12:00	-46 26.421	-168 51.230	12.0	276.2	5483	5521	8450.0	55065	34.817	10.978	354.9	
10/17/2005	290	12:15	-46 26.168	-168 55.033	11.9	275.9	5382	5413	8453.8	55136	34.810	10.854	354.7	
10/17/2005	290	12:30	-46 25.845	-168 59.427	12.1	276.0	5419	5438	8453.1	55107	34.803	10.960	351.9	
10/17/2005	290	12:45	-46 25.425	-169 04.891	12.1	277.3	5426	5484	8454.2	55195	34.811	10.943	351.9	
10/17/2005	290	13:00	-46 25.100	-169 08.533	12.1	278.2	5463	5479	8450.6	55212	34.812	10.938	354.0	
10/17/2005	290	13:15	-46 24.727	-169 12.832	12.0	275.6	5453	5465	8451.3	55202	34.810	10.902	354.2	
10/17/2005	290	13:30	-46 24.464	-169 16.429	12.2	276.7	5427	5445	8445.9	55190	34.812	10.922	355.3	
10/17/2005	290	13:45	-46 24.117	-169 21.033	12.2	276.6	5496	5518	8444.5	55261	34.819	10.908	354.2	
10/17/2005	290	14:00	-46 23.823	-169 25.062	12.0	275.0	5494	5516	8442.1	55286	34.826	10.921	354.3	
10/17/2005	290	14:15	-46 23.419	-169 30.336	12.1	277.4	5492	5531	8443.1	55315	34.842	10.971	354.5	
10/17/2005	290	14:30	-46 23.061	-169 34.064	12.2	277.3	5509	5541	8443.9	55289	34.852	11.042	354.5	
10/17/2005	290	14:45	-46 22.604	-169 38.864	12.0	278.5	5349	5378	8443.1	55332	34.866	11.029	354.7	
10/17/2005	290	15:00	-46 22.296	-169 42.684	11.8	276.7	5422	5447	8443.4	55480	34.864	10.921	355.9	
10/17/2005	290	15:15	-46 21.906	-169 47.086	11.9	277.3	5417	5444	8443.3	55507	34.833	10.920	355.6	
10/17/2005	290	15:30	-46 21.525	-169 51.317	12.1	277.2	5373	5402	8442.2	55559	34.833	10.920	354.4	
10/17/2005	290	15:45	-46 21.114	-169 55.641	12.0	278.0	5376	5415	8445.8	55617	34.827	10.903	353.7	
10/17/2005	290	16:00	-46 20.731	-170 00.008	12.3	276.0	5196	5231	8451.4	55600	34.841	10.900	353.5	mimi off, lydia on
10/17/2005	290	16:15	-46 20.376	-170 04.576	12.2	275.0	5046	4999	8458.6	55742	34.830	10.961	353.5	
10/17/2005	290	16:30	-46 20.070	-170 08.747	12.0	276.4	3761	3841	8472.3	55850	34.834	10.952	356.2	
10/17/2005	290	16:45	-46 19.714	-170 13.720	12.2	276.3	3698	3955	8475.2	55557	34.827	10.987	355.8	
10/17/2005	290	17:00	-46 19.470	-170 17.112	12.1	276.6	5145	5162	8461.2	55307	34.826	11.978	354.6	
10/17/2005	290	17:15	-46 19.112	-170 21.834	11.8	274.7	5384	5412	8438.6	55142	34.849	10.986	354.9	
10/17/2005	290	17:30	-46 18.874	-170 26.355	12.1	273.7	5390	5423	8435.9	55174	34.828	10.855	355.0	
10/17/2005	290	17:45	-46 18.576	-170 30.483	11.8	277.0	5374	5403	8430.7	55204	34.833	10.948	354.4	
10/17/2005	290	18:00	-46 18.181	-170 34.710	11.9	278.7	5359	5379	8429.0	55273	34.859	10.992	354.1	
10/17/2005	290	18:15	-46 17.810	-170 38.921	11.8	278.3	5339	5368	8428.1	55364	34.855	11.000	355.2	
10/17/2005	290	18:30	-46 17.466	-170 42.959	11.7	278.0	5184	5193	8429.3	55379	34.854	11.188	355.2	maggie offline
10/17/2005	290	18:45	-46 10.077	-170 47.676	11.6	275.3	5134	5187	8430.9	55329	34.897	11.138	353.5	
10/17/2005	290	19:00	-46 16.812	-170 51.270	11.8	276.5	5096	5745	8433.6	55320	34.785	10.877	352.2	
10/17/2005	290	19:15	-46 16.497	-170 55.619	11.5	275.7	5317	5335	8432.6	55245	34.809	10.852	351.8	
10/17/2005	290	19:30	-46 16.030	-170 59.804	11.8	280.7	5275	5350	8428.6	55192	34.766	10.673	351.8	
10/17/2005	290	19:45	-46 15.537	-171 03.799	11.9	280.0	5163	5190	8430.2		34.713	10.492	352.2	
10/17/2005	290	20:00	-46 15.211	-171 07.391	11.4	277.6	5166	5196	8401.5		34.682	10.475	350.8	
10/17/2005	290	20:15	-46 14.819	-171 11.488	12.0	279.1	5110	5141	8430.9		34.671	10.431	350.5	
10/17/2005	290	20:30	-46 14.349	-171 15.842	12.5	279.3	5107	5088	8435.0		34.677	10.519	349.7	

10/17/2005	290	20:45	-46 13.953	-171 20.149	12.4	276.4	5095	5110	8440.0	34.713	10.529	350.0		
10/17/2005	290	21:00	-46 13.660	-171 24.438	12.4	276.0	5082	5098	8438.6	34.691	10.558	349.6		
10/17/2005	290	21:15	-46 13.202	-171 28.671	12.2	278.2	5085	5101	8436.5	34.780	10.686	349.6		
10/17/2005	290	21:30	-46 12.699	-171 32.912	11.9	280.0	5019	5047	8437.3	34.772	11.219	350.8		
10/17/2005	290	21:45	-46 12.191	-171 37.204	12.1	278.2	5039	5053	8436.2	34.806	11.521	344.7		
10/17/2005	290	22:00	-46 11.838	-171 41.717	12.2	276.0	5057	5067	8442.1	34.972	11.643	347.7		
10/17/2005	290	22:15	-46 11.513	-171 46.166	12.2	275.7	5022	5025	8438.2	34.837	11.202	353.0		
10/17/2005	290	22:30	-46 11.037	-171 50.441	12.3	280.3	5020	5805	8436.3	34.866	11.139	348.9		
10/17/2005	290	22:45	-46 10.502	-171 54.868	12.3	279.7	5021	5041	8434.2	34.749	10.879	348.9		
10/17/2005	290	23:00	-46 10.047	-171 58.974	12.5	277.9	5050	5073	8439.4	34.606	10.335	339.2		Lydia off, Marcel on
10/17/2005	290	23:15	-46 09.492	-172 03.701	12.5	280.5	5044	5059	8432.5	34.507	09.918	341.3		
10/17/2005	290	23:30	-46 08.995	-172 08.206	12.2	277.9	5114	5128	8432.6	34.511	09.955	342.0		
10/17/2005	290	23:45	-46 08.583	-172 12.492	12.5	277.6	5125	5139	8433.6	34.523	09.924	341.7		
10/18/2005	291	00:00	-46 08.147	-172 16.841	12.2	278.0	5037	5073	8432.6	34.523	09.935	341.6		
10/18/2005	291	00:15	-46 07.639	-172 21.535	12.1	280.0	5047	5058	8434.0	34.522	10.006	341.4		
10/18/2005	291	00:30	-46 07.184	-172 25.789	08.1	276.2	4691	4746	8439.1	34.512	09.974	341.4		Seismic equipment deployment starts.
10/18/2005	291	00:45	-46 06.960	-172 27.694	05.1	279.0	4908	4909	8403.3	34.498	09.965	341.0		
10/18/2005	291	01:00	-46 06.770	-172 29.102	05.4	281.2	4576	4600	8389.2	34.493	09.945	340.8		
10/18/2005	291	01:15	-46 06.511	-172 30.981	05.5	277.0	4475	4489	8406.5	34.479	09.896	341.5		
10/18/2005	291	01:30	-46 06.332	-172 33.064	05.8	278.7	4387	4411	8410.3	34.457	09.870	342.1		
10/18/2005	291	01:45	-46 06.126	-172 34.928	05.5	280.3	4532	4706	8409.0	34.457	09.869	342.5		
10/18/2005	291	02:00	-46 05.927	-172 36.831	05.4	277.8	5040	5051	8405.2	34.456	09.885	342.7		
10/18/2005	291	02:15	-46 05.721	-172 38.773	05.4	279.1	5008	5026	8405.3	34.460	09.902	342.2		
10/18/2005	291	02:30	-46 05.527	-172 40.628	05.4	279.2	5007	5009	8400.6	34.459	09.903	342.6		
10/18/2005	291	02:45	-46 05.355	-172 42.427	04.9	279.2	4949	4970	8402.5	34.462	09.887	342.3		
10/18/2005	291	03:00	-46 05.110	-172 44.335	05.3	282.9	4920	4940	8399.5	34.470	09.900	342.6		
10/18/2005	291	03:15	-46 04.856	-172 46.202	05.5	281.2	4926	4941	8403.2	34.472	09.883	342.2		
10/18/2005	291	03:30	-46 04.625	-172 48.258	05.4	277.3	4909	4919	8401.8	34.471	09.856	342.9		
10/18/2005	291	03:45	-46 04.441	-172 49.971	04.9	280.7	4893	4901	8399.0	34.473	09.881	342.9		
10/18/2005	291	04:00	-46 04.261	-172 51.745	05.0	279.0	4884	4888	8398.0	34.475	09.868	342.0		Marcel off, Stuart on
10/18/2005	291	04:15	-46 04.069	-172 53.548	04.8	281.1	4878	4886	8398.4	34.479	09.874	341.2		
10/18/2005	291	04:30	-46 03.859	-172 55.199	05.0	284.6	4870	4870	8400.6	34.477	09.858	340.8		
10/18/2005	291	04:45	-46 03.638	-172 56.996	05.0	278.0	4862	4870	8398.5	34.475	09.841	340.3		
10/18/2005	291	05:00	-46 03.426	-172 58.678	04.7	277.1	4863	4876	8395.9	34.478	09.825	339.8		
10/18/2005	291	05:15	-46 03.205	-173 00.463	04.8	277.2	4844	4854	8396.7	34.483	09.870	339.2		
10/18/2005	291	05:30	-46 02.943	-173 02.264	04.8	281.3	4849	4859	8395.2	34.483	09.858	339.2		
10/18/2005	291	05:45	-46 02.775	-173 03.827	04.7	279.7	4850	4628	8397.6	34.478	09.856	341.0		
10/18/2005	291	06:00	-46 02.672	-173 05.452	04.8	269.6	4850	4867	8398.4	34.484	09.784	340.4		
10/18/2005	291	06:15	-46 02.559	-173 07.370	04.8	277.9	4911	4921	8399.3	34.483	09.784	340.2		
10/18/2005	291	06:30	-46 02.376	-173 09.000	04.9	277.7	4885	4902	8403.4	34.479	09.770	339.3		
10/18/2005	291	06:45	-46 02.176	-173 10.503	05.7	278.2	4777	4797	8408.7	34.478	09.771	339.7		
10/18/2005	291	07:00	-46 01.964	-173 12.446	05.6	278.7	4206	4249	8417.8	34.487	09.822	339.6		
10/18/2005	291	07:15	-46 01.715	-173 14.539	05.8	278.1	4017	4033	8454.8	34.488	09.751	340.7		
10/18/2005	291	07:30	-46 01.478	-173 16.547	05.7	282.2	4013	4102	8422.9	34.478	09.847	340.0		
10/18/2005	291	07:45	-46 01.197	-173 18.543	05.9	278.3	4289	4403	8416.2	34.492	09.756	341.2		
10/18/2005	291	08:00	-46 00.960	-173 20.447	05.6	279.8	4834	4934	8407.8	34.488	09.807	340.1		
10/18/2005	291	08:15	-46 00.751	-173 22.793	11.4	275.1	4971	4985	8402.8	34.539	09.949	341.0		
10/18/2005	291	08:30	-46 00.428	-173 26.724	07.0	285.3	4943	4955	8428.3	34.580	09.918	340.1		Magnetometer redeployed, but not working properly
10/18/2005	291	08:45	-46 00.042	-173 28.846	07.6	281.9	4951	4967	8396.6	34.573	10.066	340.1		Stuart out, Rolly in
10/18/2005	291	09:00	-45 59.448	-173 33.293	11.9	282.4	4840	4886	8430.0	34.577	09.961	343.3		
10/18/2005	291	09:15	-45 58.958	-173 37.347	12.0	278.3	4709	4730	8434.9	34.574	10.177	342.1		
10/18/2005	291	09:30	-45 58.596	-173 41.082	11.9	277.5	4853	4875	8430.4	34.666	10.735	340.5		
10/18/2005	291	09:45	-45 58.209	-173 45.444	11.9	279.3	4911	4912	8427.4	34.785	10.622	344.3		
10/18/2005	291	10:00	-45 57.622	-173 50.208	11.7	282.6	3699	4019	0844.9	34.625	10.054	339.6		Magnetometer back on line

10/18/2005	291	10:15	-45 57.029	-173 54.505	12.0	281.2	3455	3432	8456.0	55606	34.625	10.102	339.6
10/18/2005	291	10:30	-45 56.284	-173 59.262	11.9	283.8	4695	4721	8436.0	56004	34.625	10.066	342.4
10/18/2005	291	10:45	-45 55.878	-174 02.116	11.8	280.7	4796	4809	8422.4	56081	34.622	10.133	341.1
10/18/2005	291	11:00	-45 55.534	-174 06.194	11.8	277.2	4643	4674	8423.4	55963	34.634	10.141	341.0
10/18/2005	291	11:15	-45 55.012	-174 10.132	12.0	279.6	3742	3870	8433.0	55775	34.727	11.183	340.7
10/18/2005	291	11:30	-45 54.465	-174 15.450	11.8	278.7	4646	4696	8428.2	56133	34.944	11.533	348.9
10/18/2005	291	11:45	-45 54.065	-174 19.205	11.7	279.4	4627	4636	8422.4	56286	34.951	11.481	349.2
10/18/2005	291	12:00	-45 53.576	-174 23.169	12.2	282.0	4552	4557	8427.5	56301	34.851	11.078	349.2
10/18/2005	291	12:15	-45 52.952	-174 27.354	12.0	281.6	4485	4492	8423.1	56315	34.758	10.942	345.3
10/18/2005	291	12:30	-45 52.351	-174 31.588	11.9	281.9	4413	4415	8424.5	56288	34.906	11.261	344.6
10/18/2005	291	12:45	-45 51.644	-174 36.810	11.7	281.6	4264	4278	8421.8	56323	34.774	10.908	342.8
10/18/2005	291	13:00	-45 51.272	-174 39.718	11.8	280.0	4208	4210	8423.4	56336	34.733	10.742	343.0
10/18/2005	291	13:15	-45 50.754	-174 44.001	11.7	280.0	4200	4198	8424.4	56315	34.764	11.217	341.5
10/18/2005	291	13:30	-45 50.197	-174 48.730	11.6	279.3	4196	4197	8421.2	56258	34.823	11.198	342.0
10/18/2005	291	13:45	-45 49.741	-174 52.398	11.7	281.9	4163	4162	8415.5	56219	34.580	11.445	342.0
10/18/2005	291	14:00	-45 49.170	-174 56.388	11.7	280.7	4115	4114	8416.3	56183	34.928	11.802	344.3
10/18/2005	291	14:15	-45 48.653	-175 00.174	11.4	280.9	4107	4101	8409.7	56182	34.989	11.873	354.3
10/18/2005	291	14:30	-45 47.965	-175 05.023	11.3	280.0	4151	4143	8405.9	56192	35.011	11.901	352.3
10/18/2005	291	14:45	-45 47.540	-175 08.221	11.5	281.7	4129	4131	8405.0	56185	35.012	11.873	351.7
10/18/2005	291	15:00	-45 46.973	-175 12.260	11.6	279.6	4168	4153	8406.1	56199	35.008	11.894	350.8
10/18/2005	291	15:15	-45 46.324	-175 17.188	11.6	280.3	3564	3537	8427.5	55302	35.012	11.884	346.7
10/18/2005	291	15:30	-45 45.933	-175 20.390	11.5	280.2	3175	3186	8446.3	55427	35.007	11.867	346.7
10/18/2005	291	15:45	-45 45.450	-175 24.530	11.6	277.3		2666	8465.2	55430	34.946	11.507	345.9
10/18/2005	291	16:00	-45 45.015	-175 28.672	11.9	281.9	2898	2796	8459.9	55633	34.781	11.036	342.3
10/18/2005	291	16:15	-45 44.235	-175 33.266	11.7	281.6	3829	4049	8424.3	56169	34.697	10.656	339.8
10/18/2005	291	16:30	-45 43.585	-175 38.039	11.6	280.9		4127	8398.2	56362	34.618	10.482	340.6
10/18/2005	291	16:45	-45 43.040	-175 41.252	11.8	283.3	4078	4079	8393.5	56315	34.602	10.510	340.7
10/18/2005	291	17:00	-45 42.540	-175 44.885	12.0	285.0	4078	4078	8391.3	56282	34.634	10.608	340.7
10/18/2005	291	17:15	-45 41.745	-175 49.350	12.0	285.6	4136	4134	8391.6	56208	34.615	10.462	336.8
10/18/2005	291	17:30	-45 41.208	-175 53.633	11.4	279.1	4150	4148	8391.7	56188	34.595	10.408	337.7
10/18/2005	291	17:45	-45 40.767	-175 57.415	11.3	281.9	4156	4155	8387.0	56221	34.602	10.479	339.2
10/18/2005	291	18:00	-45 40.204	-176 01.469	11.8	281.1	4160	4159	8386.1	56276	34.574	10.342	338.7
10/18/2005	291	18:15	-45 39.650	-176 05.545	11.7	281.6	4162	4159	8391.0	56310	34.558	10.347	337.1
10/18/2005	291	18:30	-45 39.098	-176 09.396	11.7	280.1	4125	4612	8384.3	56325	34.566	10.399	336.9
10/18/2005	291	18:45	-45 38.478	-176 13.440	10.8	285.0	4097	4975	8387.0	56355	34.572	10.412	336.9
10/18/2005	291	19:00	-45 37.844	-176 17.428	11.4	281.4	3963	3963	8383.7	56373	34.576	10.397	336.1
10/18/2005	291	19:15	-45 37.267	-176 21.193	09.1	281.5	3916	3919	8378.2	56390	34.582	10.375	337.8
10/18/2005	291	19:30	-45 36.784	-176 24.375	10.1	277.9	3922	3923	8374.6	56403	34.581	10.365	338.0
10/18/2005	291	19:45	-45 36.413	-176 27.907	09.8	277.7	3913	3910	8373.1	56494	34.568	10.265	339.2
10/18/2005	291	20:00	-45 35.980	-176 31.433	10.0	286.1	3920	4577	8375.1	56590	34.415	09.952	341.3
10/18/2005	291	20:15	-45 35.456	-176 34.932	09.8	281.8	3915	4769	8370.4	56555	34.510	09.876	341.7
10/18/2005	291	20:30	-45 34.952	-176 38.392	10.0	280.5	3938	3935	8373.5	56507	34.541	10.039	341.8
10/18/2005	291	20:45	-45 34.475	-176 41.979	09.9	279.8	3869	3858	8377.1	56443	34.558	10.038	342.0
10/18/2005	291	21:00	-45 33.947	-176 45.467	10.2	283.9	3709	3699	8378.5	56455	34.558	10.164	342.0
10/18/2005	291	21:15	-45 33.355	-176 48.918	10.7	282.0	3653	5120	8382.1	56490	34.561	10.260	339.3
10/18/2005	291	21:30	-45 32.750	-176 52.473	10.4	286.6	3633	3628	8377.5	56482	34.531	10.191	341.2
10/18/2005	291	21:45	-45 32.173	-176 55.841	09.9	281.8	3681	5094	8375.3	56505	34.565	10.223	336.8
10/18/2005	291	22:00	-45 31.782	-176 59.321	09.8	280.1	3891	4537	8370.9	56511	34.589	10.270	336.8
10/18/2005	291	22:15	-45 31.360	-177 02.835	09.7	278.6	4008	4913	8361.5	56545	34.599	10.299	338.6
10/18/2005	291	22:30	-45 30.919	-177 06.290	10.0	285.4	4070	4821	8358.1	56615	34.596	10.336	340.9
10/18/2005	291	22:45	-45 30.248	-177 09.716	10.1	283.7	4075	4036	8352.0	56609	34.593	10.324	340.1
10/18/2005	291	23:00	-45 29.621	-177 13.090	10.2	285.2	4086	4079	8342.8	56545	34.556	09.836	340.4
10/18/2005	291	23:15	-45 29.043	-177 16.577	10.4	281.3	4107	4363	8342.0	56524	34.374	09.488	338.3
10/18/2005	291	23:30	-45 28.453	-177 20.309	10.6	284.8	4124	4123	8337.2	56594	34.365	09.459	335.8

mimi cant get the date to enter

mimi off lydia on

Lydia off Marcel on

10/18/2005	291	23:45	-45 27.857	-177 23.787	10.7	281.0	4134	4129	8339.1	56654	34.408	10.241	335.8	
10/19/2005	292	00:00	-45 27.252	-177 27.501	10.4	282.5	4168	4161	8335.0	56719	34.600	10.247	338.2	
10/19/2005	292	00:15	-45 27.149	-177 28.194	10.6	284.5	4166	4168	8334.4	56738	34.590	10.246	339.0	
10/19/2005	292	00:30	-45 26.697	-177 31.285	10.4	282.6	4191	4186	8334.5	56821	34.580	10.245	337.3	
10/19/2005	292	00:45	-45 26.188	-177 34.828	10.6	280.2	3968	3969	8335.7	56912	34.587	10.275	338.0	
10/19/2005	292	01:00	-45 25.657	-177 38.604	10.6	280.6	3776	3790	8343.0	57056	34.576	10.274	338.7	
10/19/2005	292	01:15	-45 24.538	-177 45.990	11.0	283.2	3255	3272	8360.1	57085	34.580	10.250	336.5	
10/19/2005	292	01:30	-45 23.954	-177 49.512	10.7	282.4	3464	3463	8350.9	56806	34.507	09.336	337.6	
10/19/2005	292	01:45	-45 23.315	-177 53.316	10.8	282.5	3396	3384	8348.3	56692	34.356	09.337	336.8	
10/19/2005	292	02:00	-45 22.677	-177 56.960	10.8	282.3	3276	3257	8349.3	56734	34.390	09.637	337.6	
10/19/2005	292	02:15	-45 22.137	-178 00.228	10.8	281.1	3186	3176	8350.2	56832	34.416	09.663	340.9	
10/19/2005	292	02:30	-45 21.589	-178 03.842	10.5	286.7	3127	3115	8354.6	56885	34.430	09.621	341.7	
10/19/2005	292	02:45	-45 20.933	-178 07.482	10.8	285.4	3108	3092	8351.6	56820	34.426	09.608	342.0	
10/19/2005	292	03:00	-45 20.310	-178 11.157	10.8	284.5	3094	3082	8350.6	56777	34.391	09.353	342.0	
10/19/2005	292	03:15	-45 19.672	-178 14.820	10.7	286.0	3124	3120	8349.4	56744	34.361	09.379	342.4	
10/19/2005	292	03:30	-45 19.020	-178 18.455	10.6	284.5	3187	3186	8345.9	56690	34.386	09.444	345.9	
10/19/2005	292	03:45	-45 18.373	-178 22.174	10.5	282.0	3232	3237	8344.5	56698	34.383	09.498	348.1	
10/19/2005	292	04:00	-45 17.925	-178 25.481	10.5	281.0	3234	3232	8342.4	56753	34.390	09.458	347.9	
10/19/2005	292	04:15	-45 17.406	-178 29.720	10.7	280.0	3265	3144	8347.1	56903	34.400	09.519	343.4	
10/19/2005	292	04:30	-45 16.948	-178 33.078	10.8	280.2	3124	3102	8347.9	56999	34.391	09.567	340.6	
10/19/2005	292	04:45	-45 16.411	-178 36.635	10.5	284.3	3086	3075	8346.9	56805	34.425	09.786	340.6	
10/19/2005	292	05:00	-45 15.763	-178 40.507	10.5	283.0	3047	3033	8341.2	56703	34.448	10.079	328.2	
10/19/2005	292	05:15	-45 15.123	-178 44.496	10.7	283.9	2968	2951	8343.5	56686	34.511	09.725	318.5	
10/19/2005	292	05:30	-45 14.525	-178 47.751	10.7	283.4	2907	2893	8344.9	56710	34.482	09.734	328.7	
10/19/2005	292	05:45	-45 13.865	-178 51.208	10.7	286.2	2814	2795	8336.8	56756	34.469	10.110	326.9	
10/19/2005	292	06:00	-45 13.120	-178 55.058	10.9	285.0	2722	2706	8337.6	56814	34.530	09.958	318.0	
10/19/2005	292	06:15	-45 12.479	-178 58.703	10.8	283.6	2666	2653	8340.8	56881	34.491	10.053	318.0	
10/19/2005	292	06:30	-45 11.852	-179 02.179	10.6	285.6	2628	2613	8344.3	56937	34.512	09.780	314.7	
10/19/2005	292	06:45	-45 11.122	-179 05.967	10.7	283.5	2596	2583	8341.0	56985	34.369	09.601	333.0	
10/19/2005	292	07:00	-45 10.584	-179 09.583	10.5	280.6	2577	2562	8338.0	57016	34.361	09.592	350.0	
10/19/2005	292	07:15	-45 10.096	-179 13.166	10.5	279.5	2551	2542	8335.4	57020	34.389	09.814	348.2	
10/19/2005	292	07:30	-45 09.620	-179 16.750	10.6	284.6	2522	2512	8333.6	57008	34.428	09.917	344.5	
10/19/2005	292	07:45	-45 08.798	-179 20.478	10.6	285.6	2462	2453	8331.6	56988	34.431	09.906	342.9	
10/19/2005	292	08:00	-45 08.136	-179 23.973	10.7	282.4	2409	2397	8331.5	56971	34.430	09.876	342.9	
10/19/2005	292	08:15	-45 07.540	-179 27.859	10.7	283.4	2350	2342	8333.4	56959	34.428	09.886	342.0	
10/19/2005	292	08:30	-45 07.023	-179 31.277	11.0	281.4	2300	2296	8332.8	56948	34.395	09.748	344.4	
10/19/2005	292	08:45	-45 06.472	-179 34.939	10.7	282.1	2272	2259	8333.6	56943	34.392	09.701	350.1	Stuart out, Rolly in
10/19/2005	292	09:00	-45 05.721	-179 39.094	11.0	285.1	2232	2221	8328.2	56936	34.393	09.770	349.8	
10/19/2005	292	09:15	-45 04.919	-179 43.346	10.9	286.1	2197	2185	8328.4	56931	34.400	09.749	348.4	
10/19/2005	292	09:30	-45 04.353	-179 45.898	11.0	285.3	2178	2170	8329.7	56925	34.399	09.715	348.4	
10/19/2005	292	09:45	-45 03.643	-179 49.643	11.0	283.2	2195	2181	8330.3	56923	34.385	09.702	349.9	
10/19/2005	292	10:00	-45 03.035	-179 53.384	11.1	281.5	2207	2194	8323.7	56926	34.975	09.679	351.7	
10/19/2005	292	10:15	-45 02.385	-179 58.011	10.9	279.5	2301	2288	8323.5	56932	34.380	09.619	351.9	
10/19/2005	292	10:30	-45 01.801	-179 58.555	10.9	289.3	2377	2364	8321.2	56942	34.367	09.643	352.3	
10/19/2005	292	10:45	-45 00.910	179 54.333	11.1	289.1	2476	2461	8315.5	56954	34.366	09.594	351.5	
10/19/2005	292	11:00	-45 00.198	179 51.389	10.9	282.7	2532	2519	8315.6	56967	34.370	09.678	350.4	
10/19/2005	292	11:15	-44 59.453	179 47.209	11.1	283.0	2644	2628	8312.5	56991	34.398	09.910	350.4	
10/19/2005	292	11:30	-44 58.827	179 43.386	11.0	283.2	2714	2712	8311.4	57022	34.432	09.890	343.4	
10/19/2005	292	11:45	-44 58.245	179 39.891	10.9	282.5	2735	2713	8308.9	57043	34.385	09.704	346.7	
10/19/2005	292	12:00	-44 57.663	179 36.324	11.0	283.0	2728	2718	8308.2	57045	34.386	09.762	347.4	
10/19/2005	292	12:15	-44 57.026	179 32.488	10.8	284.1	2704	2693	8307.6	57025	34.399	09.915	345.9	
10/19/2005	292	12:30	-44 56.315	179 28.691	11.0	285.8	2674	2656	8308.9	56989	34.436	10.019	341.1	
10/19/2005	292	12:45	-44 55.576	179 24.911	10.9	286.7	2613	2604	8304.6	56974	34.438	10.178	339.3	
10/19/2005	292	13:00	-44 54.918	179 21.164	11.0	284.6	2542	2541	8304.2	56971	34.437	10.012	339.3	

10/19/2005	292	13:15	-44 54.140	179 17.768	10.8	284.7	2462	2454	8305.7	56978	34.436	10.025	339.8	Rolly off
10/19/2005	292	13:30	-44 53.362	179 13.547	10.7	285.9	2387	2377	8306.4	56992	34.438	09.992	339.9	
10/19/2005	292	13:45	-44 52.681	179 10.166	10.7	285.9	2311	2296	8308.6	57004	34.434	09.986	340.4	
10/19/2005	292	14:00	-44 52.013	179 06.821	10.5	286.7	2218	2207	8308.0	57010	34.434	10.014	340.8	
10/19/2005	292	14:15	-44 51.289	179 03.066	10.8	285.0	2154	2142	8312.4	57014	34.438	10.035	340.4	
10/19/2005	292	14:30	-44 50.661	178 59.014	10.7	283.9	2081	2070	8315.3	57033	34.383	09.725	340.4	
10/19/2005	292	14:45	-44 50.047	178 55.879	10.6	285.7	2004	1993	8318.5	57045	34.377	09.608	347.8	
10/19/2005	292	15:00	-44 49.245	178 52.234	10.8	284.6	1948	1938	8321.9	57127	34.376	09.775	349.3	
10/19/2005	292	15:15	-44 48.581	178 48.580	11.0	288.7	1971	1959	8324.0	57152	34.376	09.798	349.5	
10/19/2005	292	15:30	-44 47.874	178 44.870	10.7	285.3	1952	1938	8323.4	57210	34.371	09.644	351.7	
10/19/2005	292	15:45	-44 47.189	178 41.285	11.0	285.2	1892	1891	8322.7	57210	34.362	09.615	349.1	
10/19/2005	292	16:00	-44 46.349	178 37.159	10.9	288.9	1864	1851	8319.9	57174	34.365	09.635	349.2	
10/19/2005	292	16:15	-44 45.613	178 33.620	10.7	283.4	1862	1850	8321.8	57180	34.371	09.642	349.2	
10/19/2005	292	16:30	-44 44.963	178 30.153	11.0	284.0	1857	1843	8321.1	57218	34.373	09.691	351.5	
10/19/2005	292	16:45	-44 44.254	178 26.355	10.9	284.1	1809	1798	8321.9	57275	34.370	09.700	349.9	
10/19/2005	292	17:00	-44 43.570	178 22.752	10.9	284.5	1918	1904	8322.1	57334	34.383	09.707	348.2	
10/19/2005	292	17:15	-44 42.816	178 18.799	10.9	285.0	1752	1801	8317.8	57373	34.380	09.698	348.7	
10/19/2005	292	17:30	-44 42.134	178 15.360	10.9	285.8	1757	1739	8316.1	57351	34.366	09.645	348.6	
10/19/2005	292	17:45	-44 41.493	178 12.220	10.8	284.7	1576	1566	8314.5	57322	34.362	09.815	348.9	
10/19/2005	292	18:00	-44 40.705	178 08.456	10.7	286.3	1536	1527	8316.4	57269	34.367	09.860	348.9	
10/19/2005	292	18:15	-44 39.968	178 04.807	11.1	285.5	1530	1520	8313.8	57219	34.354	09.769	351.0	
10/19/2005	292	18:30	-44 39.279	178 01.259	11.0	284.5	1489	1479	8309.2	57222	34.344	09.592	348.8	
10/19/2005	292	18:45	-44 38.530	177 57.361	11.3	284.6	1464	1454	8307.1	57217	34.357	09.652	346.8	
10/19/2005	292	19:00	-44 37.821	177 53.730	11.1	285.8	1491	1483	8307.6	57228	34.368	09.554	349.3	
10/19/2005	292	19:15	-44 37.083	177 49.970	11.1	283.8	1525	1519	8310.8	57260	34.377	09.572	341.3	
10/19/2005	292	19:30	-44 36.378	177 46.445	11.2	286.8	1465	1455	8313.3	57292	34.344	09.707	341.3	
10/19/2005	292	19:45	-44 35.599	177 42.707	11.0	285.2	1437	1427	8311.9	57301	34.370	09.697	342.1	
10/19/2005	292	20:00	-44 34.815	177 38.936	11.2	285.6	1408	1398	8305.9	57299	34.357	09.560	338.9	
10/19/2005	292	20:15	-44 34.044	177 35.155	11.3	285.3	1377	1366	8300.9	57286	34.339	09.678	337.1	
10/19/2005	292	20:30	-44 33.268	177 31.410	11.1	286.9	1351	1342	8295.7	57246	34.318	09.723	337.8	
10/19/2005	292	20:45	-44 32.458	177 27.632	10.9	287.4	1330	1320	8294.8	57223	34.332	09.657	339.3	
10/19/2005	292	21:00	-44 31.709	177 23.834	11.1	284.6	1312	1303	8298.1	57217	34.325	09.515	340.6	
10/19/2005	292	21:15	-44 31.055	177 20.118	11.0	285.5	1296	1287	8298.8	57224	34.325	09.655	340.6	
10/19/2005	292	21:30	-44 30.304	177 16.512	11.0	286.4	1275	1267	8299.5	57244	34.406	09.555	338.7	
10/19/2005	292	21:45	-44 29.494	177 12.846	11.0	288.1	1261	1252	8302.8	57273	34.327	09.621	343.7	
10/19/2005	292	22:00	-44 28.628	177 09.540	10.7	289.3	1253	1240	8304.6	57281	34.310	09.618	346.5	
10/19/2005	292	22:15	-44 27.818	177 05.575	10.9	283.0	1211	1203	8304.5	57305	34.300	09.528	347.3	
10/19/2005	292	22:30	-44 27.040	177 00.975	10.7	282.3	1168	1160	8302.6	57361	34.307	09.575	344.2	
10/19/2005	292	22:45	-44 26.430	176 58.022	10.8	285.5	1095	1088	8305.4	57360	34.306	09.449	344.2	
10/19/2005	292	23:00	-44 25.644	176 54.414	10.9	286.4	1076	1070	8301.4	57348	34.285	09.535	350.2	lydia off marcel on
10/19/2005	292	23:15	-44 24.920	176 50.966	10.9	286.7	1017	1011	8292.2	57325	34.298	09.730	348.9	
10/19/2005	292	23:30	-44 24.133	176 47.255	10.7	286.1	953	957	8288.0	57316	34.525	10.340	319.6	
10/19/2005	292	23:45	-44 23.383	176 43.712	10.7	286.9	901	900	8286.2	57296	34.492	09.948	304.8	
10/20/2005	293	00:00	-44 22.549	176 39.864	09.7	288.7	877	880	8285.8	57323	34.315	09.539	336.1	
10/20/2005	293	00:15	-44 21.912	176 37.290	09.8	289.0	898	890	8284.3	57416	34.301	09.456	342.8	
10/20/2005	293	00:30	-44 21.195	176 34.244	09.9	288.1	816	814	8286.4	57391	34.206	09.587	342.8	
10/20/2005	293	00:45	-44 20.423	176 30.806	09.9	287.7	772	767	8288.2	57372	34.220	09.515	347.6	
10/20/2005	293	01:00	-44 19.806	176 27.623	09.7	286.3	746	742	8292.7	57362	34.278	09.998	345.5	
10/20/2005	293	01:15	-44 19.029	176 24.112	09.8	286.3	770	765	8292.1	57343	34.460	10.535	312.7	
10/20/2005	293	01:30	-44 17.991	176 19.165	10.2	287.9	708	702	8297.0	57424	34.561	10.245	298.0	
10/20/2005	293	01:45	-44 17.723	176 17.777	09.9	282.9	676	671	8298.4	57473	34.567	10.233	284.0	
10/20/2005	293	02:00	-44 17.001	176 14.409	09.8	287.3	451	390	8305.5	57486	34.480	10.205	285.4	
10/20/2005	293	02:15	-44 16.061	176 09.823	09.7	286.8	144	144	8321.5	57465	34.538	10.331	285.0	
10/20/2005	293	02:30	-44 15.682	176 07.893	09.8	286.9	130	130	8322.4	57533	34.518	10.414	285.2	

10/20/2005	293	02:45	-44 14.929	176 04.708	09.4	288.6	88	91	8329.5	57750	34.541	10.351	287.4		
10/20/2005	293	03:00	-44 14.249	176 01.694	09.6	287.7	96	95	8330.6	57583	34.551	10.436	307.8		
10/20/2005	293	03:15	-44 13.476	175 58.234	09.5	287.5	124	122	8324.0	57575	34.537	10.270	313.8		
10/20/2005	293	03:30	-44 12.827	175 55.351	09.6	287.6	141	142	8316.2	57593	34.533	10.209	337.8		
10/20/2005	293	03:45	-44 12.125	175 52.410	09.6	291.0	151	151	8304.4	57564	34.543	10.422	340.5		
10/20/2005	293	04:00	-44 11.252	175 48.860	10.7	287.4	453	455	8294.8	57507	34.555	10.437	321.3		Marcel off, Stuart on
10/20/2005	293	04:15	-44 10.445	175 45.363	10.9	288.8	569	564	8292.8	57472	34.538	10.510	308.2		
10/20/2005	293	04:30	-44 09.582	175 41.633	11.2	287.1	578	574	8294.7	57496	34.540	10.863	305.2		
10/20/2005	293	04:45	-44 08.751	175 37.802	11.1	285.4	587	582	8294.1	57556	34.570	10.818	297.6		
10/20/2005	293	05:00	-44 07.952	175 34.254	11.1	286.1	559	555	8294.6	57565	34.723	11.539	281.9		
10/20/2005	293	05:15	-44 07.102	175 30.296	11.3	286.6	611	612	8288.8	57470	34.792	12.002	257.5		little cone depressing sediments visible on Bathy
10/20/2005	293	05:30	-44 06.341	175 26.801	11.0	287.7	532	528	8286.3	57466	34.805	12.140	257.5		
10/20/2005	293	05:45	-44 05.460	175 22.657	11.3	286.8	519	514	8279.4	57508	34.780	12.041	231.2		
10/20/2005	293	06:00	-44 04.733	175 19.221	11.2	289.8	509	505	8278.7	57521	34.785	12.007	236.6		
10/20/2005	293	06:15	-44 03.722	175 15.425	11.3	287.7	524	517	8282.8	57544	34.795	12.015	231.1		
10/20/2005	293	06:30	-44 02.889	175 11.545	11.6	285.8	504	501	8285.9	57528	34.745	12.078	231.2		
10/20/2005	293	06:45	-44 02.134	175 07.811	11.4	287.8	490	486	8284.2	57523	34.712	11.401	255.1		
10/20/2005	293	07:00	-44 01.159	175 03.968	11.6	290.7	482	478	8277.6	57521	34.613	11.445	264.7		7:02 Maggie off
10/20/2005	293	07:15	-44 00.363	175 01.035	05.4	288.9	478	475	8262.3		34.650	11.485	264.7		
10/20/2005	293	07:30	-43 59.865	174 58.840	10.8	276.4	477	474	8252.9		34.659	11.608	276.4		
10/20/2005	293	07:45	-43 59.250	174 55.323	10.9	286.5	479	475	8273.7		34.663	11.482	272.7		
10/20/2005	293	08:00	-43 58.376	174 51.702	11.0	288.5	481	478	8272.4		34.712	11.741	269.8		
10/20/2005	293	08:15	-43 57.447	174 48.094	10.8	290.2	488	486	8271.2		34.740	12.007	243.9		
10/20/2005	293	08:30	-43 56.585	174 44.716	10.8	287.7	497	494	8270.9		34.758	12.106	241.2		pCO2 shut off
10/20/2005	293	08:45	-43 55.772	174 41.002	10.6	285.7	512	502	8269.1		34.761	11.870			Stuart out, Rolly in
10/20/2005	293	09:00	-43 54.938	174 37.192	10.6	285.4	529	525	8267.1		34.752	11.872			
10/20/2005	293	09:15	-43 54.261	174 33.958	10.9	289.0	545	540	8264.1		34.742	11.904			
10/20/2005	293	09:30	-43 53.379	174 30.360	11.0	288.3	560	556	8258.0		34.751	11.861			
10/20/2005	293	09:45	-43 52.522	174 26.709	11.2	288.2	570	564	8256.7		34.771	11.976			
10/20/2005	293	10:00	-43 51.680	174 22.965	11.1	287.0	556	553	8254.0		34.772	11.796			
10/20/2005	293	10:15	-43 50.823	174 19.281	11.0	289.2	531	527	8253.3		34.755	11.824			
10/20/2005	293	10:30	-43 49.948	174 15.675	11.3	289.5	511	507	8251.0		34.748	11.668			
10/20/2005	293	10:45	-43 49.086	174 12.189	11.0	287.7	486	483	8250.8		34.705	11.419			
10/20/2005	293	11:00	-43 48.309	174 08.697	10.8	288.9	446	443	8251.6		34.682	11.467			
10/20/2005	293	11:15	-43 47.308	174 05.001	10.6	292.9	403	400	8248.4		34.664	10.475			
10/20/2005	293	11:30	-43 46.423	174 01.481	10.9	289.7	309	304	8247.1		34.606	10.695			
10/20/2005	293	11:45	-43 45.138	174 56.588	11.1	288.9	136	134	8248.2		34.762	11.208			
10/20/2005	293	12:00	-43 44.431	173 53.336	10.5	286.5	106	108	8251.8		34.833	11.235			
10/20/2005	293	12:15	-43 43.873	173 50.762	11.5	286.4	101	100	8249.2		34.806	11.231			
10/20/2005	293	12:30	-43 43.136	173 47.464	10.6	289.5	96	96	8248.6		34.796	11.232		At 12:37 Bathy log was turned off	
10/20/2005	293	12:45	-43 41.867	173 42.473	10.3	288.9	93	92	8243.9		34.815	11.352			
10/20/2005	293	13:00	-43 41.211	173 39.819	10.6	288.5	91	91	8242.1		34.826	11.350			
10/20/2005	293	13:15	-43 40.614	173 37.249	10.4	289.1	90	89	8239.6		34.828	11.389			
10/20/2005	293	13:30	-43 39.774	173 33.920	10.3	288.9	87	86	8235.0		34.838	11.356			
10/20/2005	293	13:45	-43 39.008	173 30.859	10.4	289.2	90	90	8229.7		34.844	11.460			
10/20/2005	293	14:00	-43 38.159	173 27.481	10.5	288.6	86	86	8228.5		34.860	11.359			
10/20/2005	293	14:15	-43 37.272	173 24.095	10.5	288.9	82	81	8227.4		34.859	11.525			
10/20/2005	293	14:30	-43 36.368	173 20.683	10.5	288.8	78	77	8223.7		34.779	11.656			
10/20/2005	293	14:45	-43 35.504	173 17.253	10.4	288.6	66	65	8218.1		34.732	11.685			
10/20/2005	293	15:00	-43 34.647	173 13.810	10.7	289.8	50	52	8213.6		34.646	11.810		Paul O helping w/ MB adj	
10/20/2005	293	15:15	-43 33.977	173 10.311	10.5	271.6	33	33	8210.2		34.712	11.469			
10/20/2005	293	15:30	-43 33.719	173 07.234	08.6	270.5	23	22	8204.8		34.503	11.366		MB still not heeding max depth instr	
10/20/2005	293	15:45	-43 33.945	173 04.267	08.9	269.4	24	25	8204.6		34.374	11.586			
10/20/2005	293	16:00	-43 33.998	173 01.206	09.0	269.1	26	27	8204.6		34.311	11.923			

[illegible]