

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
290	0830		237	12.0	4322	★ Beginning of cruise - 1st watch entry ★!! 09 57.983 S 158 30.728 E 16 s rec length, 0-160 Hz - set parameters for shooting						
290	0837		234	5.3	4824	slowing down to get on station for 1st OBS deployment 10 00.017 S 158 28.211 E						
290	0900		338	1.3	4857	10 00.132 S 158 28.048 E						
290	0915	109.53	130	0.3	4843	10 00.076 S 158 28.062 E OBS #1 deployed						
290	0930	111.40	47.2	10.8	4418	09 58.662 S 158 29.685 E						
290	1000	116.98	49.6	11.2	3784	09 55.231 S 158 33.764 E						
290	1030	122.42	50.0	11.2	3529	09 51.600 S 158 38.092 E						
290	1040	124.20	50.0	7.00	4196	decreasing speed for second OBS deployment 09 50.928 S 158 39.410 E						
290	1057	124.88	67.4	0.70	4380	09 50.289 S 158 39.590 E OBS #2 deployed						
290	1100	124.70	69.4	3.00	4366	09 50.250 S 158 39.709 E						
290	1130	130.07	49.6	11.8	3527	09 46.841 S 158 43.804 E						
290	1200	135.50	49.9	10.8	3972	09 43.328 S 158 47.993 E						
290	1221	139.36	49.8	5.52	4191	09 40.806 S 158 50.006 E slowing down for third OBS deployment						
290	1230	139.72	51.0	0.62	4334	09 40.687 S 158 51.171 E						
290	1300	140.31	2533	1.32	4323	09 40.701 S 158 51.316 E						
290	1316	140.48	296.9	1.32	4350	09 40.686 S 158 51.285 E OBS #3 deployed						
290	1330	142.19	48.6	10.9	4435	09 39.675 S 158 52.390 E						
290	1400	147.58	49.5	10.8	3882	09 36.170 S 158 56.539 E						
290	1430	153.00	49.7	10.7	3002	09 32.732 S 159 0.679 E						
290	1443	155.44	50.2	9.26	2844	09 31.306 S 159 2.404 E - decreasing speed for OBS 4						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
290	1453	155.90	0.0	0.96	287	09 30.920 S 159 2.826 E						
						OBS #4 Deployed						
290	1500	156.33	46.7	9.46	2893	09 30.580 S 159 3.249 E						
290	1530	161.63	49.3	10.9	1927	09 27.052 S 159 7.504 E						
290	1600	167.24	50.3	10.6	1554	09 23.316 S 159 11.962 E						
290	1623	170.68	0	0.0	1844	09 21.195 S 159 14.490 E						
						OBS #5 Deployed						
290	1630	171.02	49.5	9.7	1837	09 20.902 S 159 14.817 E						
290	1700	176.53	48.7	10.8	1402	09 17.368 S 159 19.079 E						
290	1730	182.09	49.8	11.3	636	09 13.831 S 159 23.245 E						
290	1800	186.04	63.1	1.3	551	09 11.611 S 159 25.973 E						
290	1808	186.24	44.6	1.4	575	09 11.596 S 159 25.991 E						
						OBS #6 deployed						
290	1813					underway to station #7						
290	1830	189.50	47.1	11.0	1071	09 9.454 S 159 28.524 E						
290	1900	195.05	50.8	11.2	1351	09 6.007 S 159 32.692 E						
290	1930	200.61	48.4	11.7	1354	09 2.255 S 159 37.130 E						
290	1940	201.77	47.6	221	1359	09 1.747 S 159 37.697 E						
						OBS #7 deployed						
290	2000	205.12	49.2	11.4	1335	08 59.485 S 159 40.421 E						
290	2030	210.78	51.3	11.4	1286	08 55.840 S 159 44.816 E						
290	2100	216.26	50.1	4.11	1607	08 52.242 S 159 49.098 E						
290	2105	216.50	52.0	1.71	573	08 52.091 S 159 49.277						
						OBS #8 deployed						
290	2130	220.44	48.8	11.3	160	08 49.314 S 159 52.611 E						
290	2200	225.92	50.7	11.2	84	08 45.517 S 159 57.170 E						
290	2230	230.45	44.7	0.82	186	08 42.415 160 0.836 E						
						OBS #9 deployed						
290	2300	235.40	50.4	11.3	260	08 38.915 S 160 5.045 E						
290	2305					loss of HS Center Beam - type B disable alarm						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A			B			C					
							SWP	DEL	LO	HI	SWP	DEL	LO	HI	SWP	DEL	LO	HI
290	2314	238.14	48.8	11.3	1375	HS Center Beam enabled												
						08 37.0525 160 7.215 E												
290	2330	241.12	50.6	11.4	1950	08 35.0375 160 9.695 E												
290	2354	244.54	49.9	0.8	1927	08 32.6985 160 12.421 E												
						OBS #10 deployed												
291	0000	244.96	50.1	11.2	1839	08 32.2945 160 12.949 E												
291	0030	250.74	49.6	11.4	1409	08 28.3395 160 17.612 E												
291	0100	256.68	50.3	11.7	1262	08 24.2255 160 22.594 E												
291	0118	258.65	50.1	0.1	1053.3	8 23.0045 160 24.045 E												
						OBS #11 deployed - SLIGHT DELAY DUE TO FISHING ROPE FROM STERN OF SHIP PASSING BENEATH DROP AREA												
291	0130	259.74	35.0	11.4	734.4	8' 21" 8955 160' 24" 885 E												
291	2000	265.48	38.7	11.7	1559.3	8' 17" 0175 160' 28" 661 E												
291	2030	271.18	36.7	11.4	2539.2	8' 12" 2275 160' 32" 212 E												
291	2040	272.41	37.5	2.02	2433.2	8' 11" 4135 160' 32" 881 E												
						OBS #12 deployed												
291	3.00	275.48	37.5	11.8	1420.3	8 8.7815 160 34.935 E												
291	3.30	281.22	36.9	11.6	1433.3	8 4.0315 160 38.551 E												
291	0400	286.29	33.7	2.9	489	07 59.8965 160 41.676 E												
291	0401	286.36	56.1	0.9	493	07 59.8695 160 41.698 E												
2						OBS #13 deployed												
291	0430	290.95	37.5	11.4	811.5	7' 55.933" S 160' 44.77 E"												
291	0500	296.79	37.9	11.1	1781.3	07 51.8815 160 48.659 E												
7						OBS #14 deployed												
291	0524	300.30	40.8	1.30	3191.1	07 48.3165 160 50.58 E												
291	0530	300.85	38.3	11.0	3341	07 47.8255 160 50.991 E												
291	0600	306.58	35.9	11.5	3153	07 43.1655 160 54.566 E												
291	0630	312.21	38.1	11.6	2708	07 38.5055 160 58.125 E												
						OBS #15 deployed												

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DATE	TIME	PIT LOG	GSE SPD	DEPTH	REMARKS	A			B			C		
						SWP	DEL	LO	SWP	DEL	LO	SWP	DEL	LO
292	1100	450.39	218	4.4	1798	06° 57' 7" S	161° 29' 50" E							
292	1130	452.69	218	4.6	1774	06° 59' 19" S	161° 28' 17" E							
	1146					Shot No 1053 SQTTP-error 84.								
						hav log record may be bad								
	1200	455.02	217	4.9	1727	07° 00' 92" S	161° 26' 82" E							
292	1230	457.40	215	4.9	1685	07° 28' 05" S	161° 25' 40" E							
"	1300	459.71	217	4.6	1633	07° 04' 57" S	161° 24' 03" E							
"	1330	462.05	217	4.4	1612	7° 06' 39" S	161° 22' 63" E							
"	1400	464.39	218	4.8	1619.3	7° 08' 16" S	161° 21' 26" E							
"	1430	466.74	216	4.7	1615	7° 09' 46" S	161° 19' 89" E							
"	1500	469.10	217	4.8	1628.3	7° 11' 78" S	161° 18' 58" E							
"	1525					CSSA: TB not received within 1000ms of NC.								
"	1530	471.43	217	4.6	1643.3	7° 13' 57" S	161° 17' 86" E							
"	1600	473.81	217	4.7	1673.3	7° 15' 29" S	161° 15' 42" E							
"	1630	476.22	216	5.0	1690.3	7° 17' 08" S	161° 14' 89" E							
"	1651	477.99	217	4.8	1717	7° 18' 36" S	161° 13' 50" E							
292	1700	478.68	218	4.5	1732	1966 slot not recorded-acquisition error								
292	1700	478.68	218	4.5	1732	07° 18' 85" S	161° 13' 38" E							
292	1711					file #/Shot # display stopped updating at sh#1927, file#1922 brought it back at 1711								
						sh# 2028, file# 2022								
292	1730	481.11	217	4.8	1752	07° 20' 61" S	161° 11' 81" E							
292	1800	483.56	218	4.9	1789	07° 22' 36" S	161° 10' 46" E							
292	1830	486.03	218	5.2	1839	07° 24' 15" S	161° 09' 44" E							
292	1900	488.49	217	4.9	1932	07° 25' 99" S	161° 07' 68" E							
292	1931	491.06	217	4.7	1993	07° 27' 90" S	161° 06' 23" E	MAG 40090.8						
292	2200	494.34	216	4.9	2085	07° 29' 69" S	161° 04' 85" E	MAG 40131.5						
292	2030	495.75	219	5.0	2225	07° 31' 52" S	161° 03' 48" E							
292	2100	498.20	219	4.8	2324	07° 33' 36" S	161° 02' 03" E	MAG 40244.4						
292	2130	500.55	218	4.8	2447	07° 35' 08" S	161° 00' 70" E							

DATE	TIME	PIT LOG	CSE CUB	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
292	2156					OBS Site SAT#15 point.						
	2200	502.91	217	4.8	2570	07 36.922 S 160 59.344 E						
	2230	505.23	217	4.6	2710	07 38 734 S 160 57 956 E						
	2252					3046 EQTP - error 84.						
						3045 This file may be bad.						
292	2300	507.60	217	4.7		3045 ~ 3049 continuously red sign						
292	2300	507.60	217	4.7	2874	07 40.552 S 160 56.517 E MAG 40346.4						
	2330	509.98	217	4.5	3066	07 42.300 S 160 55.152 E 40320.5						
293	0000	512.29		4.4	3269	07 44.128 S 160 53.755 E						
						* Nav by not working - all zeros *						
293	0007					Gun #17 fired early outside of 1 msec tolerance						
293	0030	514.50	215	4.9		for approx. 15 consecutive shots (3250-3275)						
293	0030	514.52	215	4.9	3418	07 45.996 S 160 52.384 E						
293	0100	516.84	215	4.6	3328.1	7° 47.841' S 160° 50' E						
293	0110					Speed decreased from 4.8 to 4.5 knots						
293	0130	519.05	217	4.4	2453.2	7° 49.630' S 160° 49.590' E						
293	0200	521.32	216	4.9	1831.3	7° 51.394 S 160° 48.246 E speed increase 4.5						
	0223					no shot time alarm on MORAY						
293	0230	523.70	216	4.7	1625.3	7° 53.156' S 160° 46.850' E						
293	0300	526.04	216	4.6	1287.3	7° 54.948' S 160° 45.525' E						
	0311					Rev some data from node 2, opcode=0, size=36						
						on CEO information						
293	0318	527.5	217	4.5	765	7° 56.097 S 160° 44.598 E						
						Navigation Tag Change. Start 389-3893						
293	0330	528.43	215	4.7	551.6	7° 56.786' S 160° 44.123' E.						
293	0400	530.76	217	4.7	414.6	7° 58.586' S 160° 42.914' E.						
293	0430	533.13	216	4.6	500.9	8° 0.444' S 160° 41.243' E						
293	0500	535.47	217	4.8	745.8	8° 2.294' S 160° 39.953' E						
293	0530	537.86	215	4.9	1363	08 04.086 S 160 38.639 E						
293	0600	540.21	224	5.0	1506	08 05.672 S 160 37.291 E MAG 402603.3						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
293	0623					4395 FFS QTP error 84						
	"					4394 this file may be bad. navlog rec. may be bad						
293	0630	542.63	219	4.6	1281	08 07.386 S 160 35.985 E mag 40552.8						
	0643					(4399) 4418 SQTP error 84 SH# 394 may be bad, (4419) SQTP error 84						
						(4462) " 4463 " (4418) record navlog may be bad						
						4464 recording: tape unit 2 not at BOT						
						4463 correct tape problem before reaching first shot point!						
						(4464) SQTP - error 84 navlog record may be bad, this file may be bad						
						4465 recording: tape unit 2 not at BOT						
						4465 correct tape problem before reaching first shot point!						
	0645					SH# 4469 ... end reel #73 on drive 2						
						Start reel #74. It seems O.K.						
293	0700	545.15	216	4.7	1483	08 09.166 S 160 34.574 E						
	0705					4526 SQTP - error 84						
						4526 This file may be bad.						
						4526 this navlog record may be bad						
						4527 recording: tape unit 3 not at BOT						
293	0730	547.81	219	5.5	2385	08 11.051 S 160 33.138 E						
	0740					on OBS #12 STA SAT (OBS).						
293	0800	550.49	221	5.6	2556	08 12.741 S 160 31.773 E MAG 40472.2						
293	0824					4754 SQTP - error 84						
						4753 This file may be bad!						
						4753 this navlog record may be bad!						
						4754 recording: tape unit 2 not at BOT						
293	0830	553.13	219	5.0	2081	08 14.511 S 160 30.436 E MAG 40532.6						
	0837					4797 SQTP - error 84						
						4796 This file may be bad!						
						4796 This navlog record may be bad!						
						4797 recording: tape unit 3 not at BOT						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	LO	HI	SWP	DEL
293	0843					4797 SQTP error 84						
						4796 this file may be bad, this navlog record may be bad!						
						4797 recording: tape unit 3 not at BOT						
	0844					4819 SQTP error 84						
						4819 This file may be bad, this navlog record may be bad!						
						4820 recording: tape unit 3 not at BOT						
293	0850					*PULLING GUN 17 * SHOT #4837 FILE #4829						
293	0857					missed 3 shots 4865-4868 (Sh#4865-4868)						
293	0902	555.86	217	5.5	1471	08 16. 225 S 160 29.07 E MAG 40 814.1						
	0902					4879 SQTP error 84						
						4879 This file may be bad, this navlog record may be bad!						
						4880 recording: tape unit 2 not at BOT						
	0927					4955 shot. 4885 file. GUN 17 recover!						
	0930	558.42	216	5.3	1140	08 17. 98 S 160.27. 812 E						
	1000	561.11	216	5.1	1045	08 19. 777 S 160.26. 48'E MAG						
	1030	563.78	214	5.1	701	08 21. 582 160.25 093 MAG 40642.1						
	1044					5181 SQTP error 84						
						5181 This file may be bad, this navlog record may be bad!						
						5182 recording: tape unit 2 not at BOT						
	1054					on #17 SAT (OBS) turning point.						
	1100	566.25	224	5.4	1128	08 23. 299 S 160 23.647 E						
	1130	568.96	228	5.3	1218	08 24. 803 S 160.21.893 E						
	1200	571.65	228	5.2	1271	08 26. 236 S 160.20 188 E MAG 40840.4						
	1230	574.29	231	5.4	1402	08 27. 662 S 160.18. 449 E MAG 40700.1						
	1300	576.96	229	5.6	1402	08 29. 138 S 160.16. 703 E MAG 40699.9						
	1330	579.63	229	5.1	1459.3	8° 30.590'S 160° 14.902'E. MAG 40892.0						
	1337					no shot time by Datum alarm on MORAY						
	1345					Rec some data from node 2, opcode=2303, size=10						
	1347					Rec some data from node 2, opcode=79f9 size=36						
	1350					shot #5742 SQTP-error 84.						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
						5741 This file may be bad!						
						5741 this navlog record may be bad!						
293	1400	582.27	231.4	5.2	1724.3	5742 recording: tape unit 3 not at BOT						
	1359					8° 31.902'S 160° 13.306'E MAG 40798.8						
	1404					CSSA: TB not received within 1000 ms of NC						
	1404					True Time Time out on MORAY						
	1430	584.99	230.1	5.5	1944.3	CSSA: TB not received within 1000 ms of NC						
	1500	587.71	228.0	5.2	1951.3	8° 33.271'S 160° 11.789'E MAG 40844.9						
	1530	590.80	230.5	5.5	1601.3	8° 34.608'S 160° 10.169'E MAG 40969.6						
	1600	593.20	232.7	5.2	1409.3	8° 36.001'S 160° 8.476'E MAG 40985.9						
						8° 37.506'S 160° 6.875'E MAG 40944.0						
						Robel reel had to be changed for drive 3						
	1630	595.78	230.7	5.0	521.4	8° 38.936'S 160° 4.907'E MAG 40858.8						
	1700	598.35	229.0	5.2	380.2	8° 40.966'S 160° 3.163'E MAG 40566.8						
293	1730	600.89	229	4.8	206	8° 42.020 S 160° 01.300 E MAG 40805.9						
293	17:38:28					above OBS SAT#9 SH# 6427						
293	1800	603.28	233	5.0	92.9	8° 43.412 S 159° 59.571 E						
293	1830	605.74	228	4.7	85.4	8° 44.901 S 159° 57.894 E						
293	1900	608.26	229	4.9	155	8° 46.269 S 159° 56.211 E MAG 41100.0						
293	1930	610.86	231	5.3	87.6	8° 47.470 S 159° 54.543 E MAG 40888.6						
293	2000	613.48	228	5.0	147.4	8° 49.157 S 159° 52.779 E MAG 41052.2						
293	2013					6892 SQTP - error 84						
						6892 This file may be bad. this navlog record may be bad						
						6893 recording: tape unit 2 not at BOT						
293	2015					6898 SQTP error 84						
						6898 This file may be bad. this navlog record may be bad!						
						6899 recording: tape unit 2 not at BOT						
	2018					6906 SQTP - error 84						
						6905 This file may be bad. this navlog record may be bad!						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
293	2030	616.15	224	5.3	182	08 50° 615'S 159.50° 158'E	MAS		40928			
293	2100	618.69	227	4.7	569	08 52 1135 159 49 270E	MAG		40897.1			
	2100					above OB OBS #8 SHOT #7033						
	2103					7041 SQT - error 84						
						7040 This file may be bad!						
						7040 this navlog record may be bad!						
						7041 recording! tape unit 3 not at BOT						
						7042 SQT - error 84						
						7042 This file may be bad!						
						7042 this navlog record may be bad!						
						7043 recording! tape unit 3 not at BOT						
	2106					GUN #16 is repaired.						
	2130	621.25	230	4.9	1069	08 53. 47' S 159 47. 594 E						
	2200	623.76	228	4.7	1237	08 55. 044 S 159 45. 898 E						
	2230	626.29	230	5.0	1725	08 56. 420 S 159. 44. 098 E MAG 41244.7						
	2300	628.73	231	5.6	1291	08 57. 846 S 159. 42. 424 E MAG 41262.2						
	2330	631.42	228	5.4	1324	08 59. 276 S 159. 40. 776 E MAG 41277.4						
	2352					7546 Navlog drive 1 not ready						
						7547 "						
						7548 "						
294	0000	634.15	2.0	5.2	1348	09 00. 824 S 159. 38. 899 E MAG 41281.4						
						* CMG = 0.0 at 0:00 for reset.						
	0029					GUN No. 7 recovered shooting restarted!						
	0030	636.71	231	4.7	1356	09 02. 254 S 159. 37. 152 E						
	0038					7685 SLIC data NOT received 17146 ms after NC						
						7685 CSSA = TB not received within 1000 ms of NC						
	0100	639.05	228	4.6	1363	09 03. 711 S 159. 35. 378 E MAG 41287.4						
	0110					Recv some data from node 3 opcode = 0, size = 36						
	0130	641.33	229.5	4.5	1367.3	9° 5.193'S 160° 33.605'E MAG 41282.7						
	0200	643.61	230.6	4.5	1352.3	9° 6.599'S 160° 31.936'E MAG 41191.2						

Nav. Tape is exchanged
drive #1
shot # 7546, 7548

DATE	TIME	PIT LOG	SSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
294	0230	645.95	228.4	4.6	1309.3	9° 8.033'S 159° 30.222'E MAG 41107.6						
	0300	648.23	232.4	4.5	1095.3	9° 9.442'S 159° 28.480'E MAG 41206.7						
	0330	650.47	233.3	4.5	777.4	9° 10.895'S 159° 26.782'E MAG 41107.4 CMG (5 min. avg.)						
	0400	652.70	228.8	4.1	448.7	9° 12.379'S 159° 25.031'E MAG 40900.2						
	0430	654.98	230.5	4.9	629.1	9° 13.785'S 159° 23.306'E MAG 40927.6						
	0500	657.35	228	4.9	767.4	9° 15.257'S 159° 21.573'E MAG 40870.6						
294	0530	659.73	227	4.6	1228	9° 16.689'S 159° 19.822'E MAG 41033.1						
	0537					8581 CESA: TRS not received within 1000 ms of NSC.						
						8581 shot not recorded due to acquisition error.						
294	0600	662.10	231	4.9	1460	9° 18.007'S 159° 18.255'E						
294	0630	664.50	231	5.2	1625	9° 19.442'S 159° 16.555'E MAG 41024.6						
294	0700	667.08	227	4.9	1839	9° 20.900'S 159° 13.854'E MAG 41108.2						
294	0730	669.60	230	6.4	1859	9° 22.320'S 159° 13.157'E MAG 41213						
294	0800	672.17	229	5.3	1510	9° 23.854'S 159° 11.343'E MAG 41175						
294	0830	674.73	0.0	5.0	1681	9° 25.224'S 159° 09.668'E MAG 41296.1						
294	0830?					MORAY said "the Peter's program detected"						
						just pushed "OK" button. SH# 9114?						
294	0900	677.30	229	5.0	1853	09° 26.780'S 159° 07.794'E MAG 41412.8						
294	0930	679.72	228	4.6	2236	09° 28.265'S 159° 6.007'E MAG 41434.3						
294	1000	682.05	232	4.3	2775	09° 29.477'S 159° 4.270'E MAG 41329.8						
294	1000					Gun #4 pulled after shot # 9370 file # 9356						
294	1030	684.38	229	4.8	2843	09° 31.228'S 159° 2.449'E MAG 41309.0						
294	1100	686.65	230	4.3	2994	09° 32.734'S 159° 0.669'E MAG 41302						
294	1108					Shot 9573 file 9559 Gun #4 back on						
294	1130	688.85	0.0	4.3	3429	09° 34.125'S 158° 59.039'E MAG 41351.8						
294	1200	691.17	229	4.4	3799	09° 35.648'S 158° 57.168'E MAG 41429						
294	1230	693.42	228	4.4	4104	09° 37.107'S 158° 55.440'E MAG 41497						
294	1300	695.68	229	6.7	4587	09° 38.500'S 158° 53.749'E MAG						
294	1330	697.94	231.2	4.6	4910	9° 39.967'S 158° 51.978'E MAG 41570.8						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
294	1400	700.24	230.0	4.9	3971.1	9° 41.487'S 158° 50.183'E MAG 41656.6						
	1430	702.54	231.0	4.6	4002.0	9° 42.857'S 158° 48.419'E MAG 41686.8						
	1500	704.85	229.7	4.5	3905.1	9° 44.285'S 158° 46.841'E MAG 41761.7						
	1530	707.25	228.9	4.4	3208.1	9° 45.725'S 158° 45.1 MAG 41830.0						
	1600	709.66	230.7	4.9	3676.1	9° 47.177'S 158° 43.364'E MAG 41959.5						
	1630	712.09	229.9	4.6	4354.0	9° 48.691'S 158° 41.535'E MAG 41971.6						
294	1700	714.46	233	4.5	4376	09° 50.187S 158° 39.711E mag 41918.7						
294	1730	716.90	230	4.8	3458	09° 51.735S 158° 37.918E MAG 41913.9						
294	1800	719.24	231	4.5	3388	09° 53.250S 158° 36.082E MAG 41930.6						
294	1830	721.55	229	4.4	3822	09° 54.779S 158° 34.254E MAG 41953.5						
294	1845					10944 CSSA = TB not recorded within 1000ms of NC missed shot #10943, #10944						
294	1900	723.87	230	4.5	4007	09° 56.362'S 158° 32.343'E MAG 41942.1						
294	1930	726.18	230	4.5	4392	09° 57.921'S 158° 30.474'E MAG 41975.9						
294	2000	728.49	230	4.5	4709	09° 59.537'S 158° 28.552'E MAG 42015.4						
294	2020					NAV TAPE#BFINISHED LSHOT#11229 LFILE#1214						
						11230 NAVLOG DISABLED 11233 NAVLOG ENABLED → START NEW NAV TAPE						
294	2030	730.86	228	4.7	5161	10° 01.171S 158° 26.595E MAG 42039						
294	2030	2				passed by SAT #1 (OBS) SH #11258						
294	2100	733.14	228	4.2	5005	10° 02 730.8 158° 24 628E MAG 42066						
294	2109					AG No 11 is stop for repair. Shot No. 11375.						
294	2130	735.38	230	4.2	5228	10.04 298S 158.22.850E MAG 42095.1						
	2145					AG No 11 is repaired. Shooting restart Shot 11485						
	2200	737.67	229	4.7	5099	10.05 892S 158.20 932E MAG 42118.1						
	2224					AG No 11 is repaired. Shooting restart. Shot No 11599						
	2230	740.01	231	4.6	4193	10.07.445S 158.17.649E MAG 42126.0						
	2300	742.21	229	4.4	3714	10.09 106 S 158.17 178E MAG 42096.5						
	2330	744.47	233	4.6	1890	10 10 718 S 158 15 236 E MAG						
295	0000	746.77	229	4.5	1965	10 12 492 S 158 13 173 MAG 41975.1						
	0030	749.11	230	4.6	2316	10 14 109 S 158.11.175E MAG 41975.6						

cmg; SMC are down!

DATE	TIME	PIT LOG	CSG	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
295	0100	751.48	228	4.9	2348	10° 15.824'S 158° 09.142'E MAG 41975.2						
	0130	753.81	228.4	4.7	2315.2	10° 17.591'S 158° 07.259'E MAG 42033.5						
						Bridge informed Bob that they would start to turn at 0222 GMT						
295	0200	756.13	228.9	4.8	2291.2	10° 19.190'S 158° 05.096'E MAG 42088.7						
	0209					turning time revised to 0224 Gunshop informed Bob they were taking gun no. 19 offline.						
	0215					Recv some data from node 2, opcode=11, size=10 12276. This file may be bad						
	0225					Gun shooting stop. SHOT # 12323. FILE # 2308 Sent CSR FORCE EOL → CSRU Size=94; Nulog ep=1, str1=700, str2=58 GOT CSRU-STATUS=ENDLINE msg! Sent GO OFFLINE-XSRU Size=94; Nulog ep=1, str1=100, str2=58 Sent TRIGGER NAVIG. TAPE to CSRU						
	0300	760.94	103.0	4.5	2273.2	10° 21.779'S 158° 05.371'E MAG 42106.0						
	0330	763.17	102.4	4.9	2284.2	10° 22.291'S 158° 07.608'E MAG 42400.3						
						LINE 2 STARTS WITH FILE 1, SHOT 1, TAPE 175 - Tape 175 is void						
	0340					Shot start. MCS TAPE # 176 LINE 2. NAV TAPE # 6.						
	0343	764.25	106.9	5.0	2291.2	10° 22.514'S 158° 08.582'E						
	0346					Peter's program error. shot # 19.						
	0350					28 SQTP - error PC						
						28 This file may be bad!						
						29 recording: tape unit 3 not at BOT						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	LO	HI	SWP	DEL
	0356					Logging program error (DMS-200 Monitor).						
	0357					Logging program restarted						
	0400	765.57	104.6	4.9	2289.2	10° 22.842'S 158° 09.799'E MAG 42117.0						
	0430	768.01	104.8	4.7	2259.2	10° 23.457'S 158° 14.992'E MAG 42098.8						
						Gun #2 stop.						
	0436					169 CSSA:TD not received within 1000 ms of NC						
	0500											
	0500											
	0500	770.03	101.0	4.9	2200.2	10° 23.943'S 158° 14.204'E MAG 42109.4						
295	0524					Gun #2 back in the water						
	0530	772.91	106	5.1	2209	10° 24.515 S 158° 16.407 E MAG 42116.6						
295	0600	775.39	105	5.0	2240	10 25.136 S 158 18.646 E						
295	0630	777.79	102	4.8	2295	10° 25.668 S 158 20.879 E MAG 42148.7.						
295	0700	780.18	103	4.5	2079	10° 26.211 S 158° 23.155 E MAG 42149.8						
295	0719	781.75	105	4.4	2123	Pulling Gun #3 out of water						
295	0730	782.48	103	4.6	2147	10° 26.795 S 158° 25.375 S MAG 42153.8						
295	0745					710 S QTP - error 84						
						710 this file may be bad!						
						711 recording: tape unit 2 not at BOT						
295	0800	784.87	105	4.7	2280	10 27.387 S 158 27.701 E MAG 42134.1						
295	0805					Deploying Gun #3 back to water.						
295	0830	787.18	104	4.7	2240	10 27.879 S 158 29.948 E mag 42083						
295	0858					"Get source trigger" on CEO display						
295	0900	789.47	105	4.7	2205	10 28.495 S 158 32.261 E MAG 42072						
	0930	791.68	106	4.7	2385	10 29.145 S 158 34.442 E MAG 42087.9						
	0933					1057 S QTP - error 84						
						1057 This file may be bad!						
						1057 this navlog record may be bad!						
						1058 recording: tape unit 2 not at BOT.						
	1000	793.91	104	4.6	2351	10 29.672 S 158 36.668 E MAG						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
295	1030	796.17	104	4.3	2925.2	10 30.248 S 158 38.941 E MAG 42076.3						
	1100	798.42	104	4.7	2534.2	10 30.792 S 158 41.144 E MAG 42079.5						
	1100					1316 SOTP - error 84						
						1316 This file may be bad!						
						1316 this navlog record may be bad!						
						1317 recording! tape unit 3 not at BOT.						
	1102					??? Rev some data from node 2, opcode=686f, size=36??? shot no. 1327						
	1114					??? Rev some data from node 2, opcode=0, size=36??? shot no. 1362						
	1130	800.67	107	4.5	2589.2	10 31.392 S 158 43.324 E MAG 42085.1						
	1200	802.98	104	4.9	2671	10 31.921 S 158 45.561 E MAG 42076.6						
	1230	805.29	104	4.5	2842	10 32.456 S 158 47.730 E MAG 42075.3						
	1300	807.61	105	4.6	2911	10 33.043 S 158 50.058 E MAG 42092.6						
	1330	809.95	103	4.6	2964.2	10 33.610 S 158 52.317 E MAG 42076.7						
	1400	812.24	104	4.4	2978.2	10 34.243 S 158 54.576 E MAG 42065.8						
	1430	814.44	100	4.3	2929.2	10 34.755 S 158 56.929 E MAG 42038.1						
	1500	816.66	104	4.5	2314.2	10 35.352 S 158 59.324 E MAG 42042.5						
	1530	818.83	102	4.6	2345.2	10 35.951 S 159 01.743 E MAG 42018.7						
	1600	821.09	104	4.3	2329.2	10 36.602 S 159 04.155 E MAG 42025.1						
	1616					2266 SOTP - error 84						
						2266 This file may be bad!						
						2266 this navlog record may be bad!						
						2267 recording: tape unit 2 not at BOT						
	1630	823.38	109	4.8	2358.2	10 37.207 S 159 06.634 E MAG 42023.3						
295	1700	825.67	106	4.8	2373	10 37.837 S 159 09.096 E mag 42041.6						
295	1708					2423 SOTP error 84						
						2423 This file may be bad!						
						2424 recording: tape unit 2 not at BOT						
	1723					"Problem with Peter's program" detected. LAST #2423						
295	1730	827.97	105	4.5	2395	10 38.464 S 159 11.503 E MAG 42079.0						
						skipped 1 file number						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A			B			C			
							SWP	DEL	LO	HI	SWP	DEL	LO	HI	SWP	DEL
295	1800	830.23	105	4.6	2402	10° 39.070 S 159° 13.909 E MAG 42109										
295	1830	832.52	104	5.0	2424	10° 39.646 S 159° 16.244 E MAG 42117.2										
	1856					2746 CSSA = TB not received within 1000ms of AIC										
295	1900					2746 Shot not recorded due to acquisition errors.										
295	1900	839.84	104	4.7	2458	10° 40.228 S 159° 18.605 E MAG 42108.0										
295	1930	837.17	105	4.6	2480	10° 40.843 S 159° 20.913 E MAG 42078.0										
295	2000	839.51	105	4.5	2470	10° 41.435 S 159° 23.265 E MAG 42067.4										
295	2030	841.81	102	4.5	2570	10° 41.982 S 159° 25.616 E MAG 42054.5										
295	2100	844.14	105	4.5	2720	10° 42.594 S 159° 27.951 E MAG 42030.2										
	2103					??? Rev some data from node 2, opcode=3331, size=36, ??? shot number 3126.										
	2130	846.41	104	4.5	2698	10.43.156 S 159.30.240 E MAG 41999.7										
	2144					Got PLABEL msg from CSRU shot no. 3250										
	2145					Got PLABEL msg from CSRU shot no. 3253										
	2149					3263 SQTP - error 84										
						3263 This file may be bad!										
						3264 recording! tape unit 2 not at BOT.										
	2200	848.65	104	4.3	2679	10 43 757 S 159 32 630 E MAG 41986.1										
	2230	850.92	104	4.3	2859	10 44 349 159 35.978 MAG 41985.6										
						??? Rev some data from node 2, opcode=0, size=36 ??? shot number 3391										
	2240					CSRU: gpts checksum error from ELIC shot number 3415.										
	2300	853.05	104	4.4	2637	10.44 750 S 159 37.276 E MAG 41971.7										
	2330	855.27	105	4.3	2648	10.45 559 S 159 39.714 E MAG 41938.4										
	2341					CSRU: gpts checksum error from ELIC shot number 3602										
296	0000	857.51	0.0	4.4	2620	10.46 148 S 159.42 133 E MAG 41947.6										
	0011					??? Rev some data from node 2, opcode = e, size=36 ??? shot number 3692										
	0030	859.66	104	3.9	2656	1046 739 S 15944.661 E MAG 41963.7.										
	0049					3803 SQTP - error 84										
						3802 This navlog file may be bad!										
						3802 This navlog record may be bad!										
	0055					3821 Navlog drive 7 not ready.										

DATE	TIME	PIT	LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
								SWP	DEL/LO	HI	SWP	DEL/LO	HI
29 6	0100	861.90	104	4.4	2652	10.47.368S 159.47.071E	MAG 41983.3						
	0130	864.05	106.3	4.5	259.2	10°47.994'S 159°49.399'E	MAG 42003.3.						
	0131					3931 SQT - error 84							
						3930 This file may be bad!							
						3930 this navlog record may be bad!							
	0200	866.24	105.5	4.7	2994.2	10° 48.598'S 159°51.510'E	MAG 42010.7						
	0230	868.60	102.4	4.6	2150.2	10° 49.122'S 159°52.721'E	MAG 42059.9.						
	0300	871.01	103.9	4.8	1506.3	10° 49.646'S 159°55.932'E	MAG 42077.4						
	0330	873.47	104.5	5.1	1087.3	10°50.158'S 159°58.160'E	MAG 42089.7						
						4226 SQT - error 84.							
						4225 This file may be bad!							
						4225 this navlog record may be bad!							
	0400	875.94	104.6	5.1	2092.2	10° 50.721'S 160° 00.388E	MAG 42128.8.						
	0430	878.41	105.5	4.9	2972.2	10° 51.318'S 160° 02.518'E	MAG 42084.4						
						Bridge informed lab that							
						Earning would commence at 16:42							
						local time.							
	0500	880.84	106.4	4.8	3360.1	10° 51.909'S 160° 08.603'E	MAG 42097.2						
29 6	0530	883.34	102	5.3	3465	10° 52.456S 160 08.882 E	MAG 42078.5						
	0533					4646 SQT ERROR 84							
						4645 This file may be bad! this navlog may be bad!							
	0539					* End of Line #2, begin turn							
29 6	0540	884.49	073	4.9	3518	SOL 3 10 52.570 S 160 07.888E							
						CSRU crashed - reboot - rename line 3A							
29 6	0546					SOL 3A begin recording							
29 6	0548	884.97	055	4.9	3523	finished turn 10 52.260S 160 08.256E							
	0552					Peter's program detected.							
29 6	0600	885.82	052	4.4	3529	10 51.659S 160 08.993E	mag 42072.6						
	0630	888.80	046	4.6	3500.1	10 49.756S 160 10.791E	mag 42128.0.						
29 6	0700	890.39	043	4.7	2936	10° 47.984S 160° 12.506 E	mag 42079.3						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
296	0730	892.67	44	4.6	3272	10° 46 . 200'S 160° 14 . 222'E Mag 42033.5						
	0759					5085 SOTP error 84						
						5084 This file may be bad! This navlog may be bad!						
						5086 SOTP error 84						
						5085 This file / navlog may be bad!						
296	0800	895.01	42	4.8	3437	10° 44 . 442S 160° 15 . 876E MAG 41923.7						
	0815					5159 SOTP error 84						
						5158 This file may be bad! this navlog record may be bad!						
	0830	897.31	44	4.6	3239	10° 42 . 677S 160° 17 . 516E MAG 41955.1						
	0855					5257: Slic data NOT received 17145 ms after NC.						
						5257: CSSA: TB not received within 1000ms at NC.						
						" shot not recorded due to acquisition error (9)						
	0900	899.58	45.4	4.6	3419	10 . 40 . 970S 160 . 19 . 238E MAG 41980.7						
	0930	901.97	40	4.5	3580	10 . 39 058 S 160 20 . 929 E MAG 41961.4						
	1000	904.36	44	4.6	3840	10 37 . 204 S 160 . 22 . 703 E MAG 41912.4						
	1030	906.70	41	5.0	3909	10 . 35 395 S 160 24 . 387 E MAG 41902.8						
	1032					??? Rev some data from node 2, nnode=1. size=36 ???						
	1100	909.15	42	4.7	4931	10 . 33 604 160 . 26 . 891 1091 MAG 41890.1						
	1130	911.50	44	4.8	5162	10 . 31 770 S 160 . 27 840 E MAG 41784.9						
	1200	913.88	43	4.9	5243	10 . 29 893 S 160 . 29 564 E MAG 41762.5						
	1230	916.21	45	4.5	5517	10 . 27 917 160 . 31 444 41776.1						
	1300	918.61	44	4.7	5743	10 . 25 019 S 160 . 33 214 E MAG 41840.6						
	1330	920.92	43.2	4.9	4929.0	10° 23 . 881'S 160° 35 . 303'E MAG 41893.4						
	1400	923.30	42.2	4.7	4293.0	10° 21 . 815'S 160° 37 . 246'E MAG 41768.6						
	1430	925.65	43.6	4.5	3434.1	10° 19 . 836'S 160° 39 . 155'E MAG 41637.5						
	1500	928.00	42.8	4.5	2318.2	10° 17 . 888'S 160° 40 . 970'E MAG 41622.4						
	1530	930.38	42.7	4.3	1825.3	10° 15 . 953'S 160° 42 . 824'E MAG 41570.6						
	1600	932.74	41.5	4.9	1089.3	10° 13 . 927'S 160° 44 . 673'E MAG 41500.7						
	1630	935.08	41.4	4.8	525.0	10° 12 . 001'S 160° 46 . 560'E MAG 41489.5						
	1700	937.46	42.1	4.8	605.8	10° 10 . 098'S 160° 48 . 279'E MAG 41620.5						

Shot Number 5552

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
296	1706	938.14	47	4.6	429.	Turning Start. Line Sol 3A start stops.						
						10° 09.676'S 160 48.696°						
296	1713					Finished turning.						
	1723					Line Sol 3B Starts. shot #1 v file #1						
296	1730	939.71	069	4.4	554	10° 08.906S 160° 50.284E MAG 41628.2						
	~1735	~				Problem with Peter's program						
296	1800	942.00	68	5	1217.	10° 07.994S 160 52.524 E MAG 41582.2.						
296	1830	944.35	089	4.7	1495	10° 07.059S 160° 54.817 E MAG 41557.3						
296	1900	946.69	64	4.4	2066	10° 06.035S 160 57.190 E MAG 41517.9						
	1918					345 cbsa: TB not received within 1000 ms of NC.						
296	1930	948.97	64	4.6	2116	" Shot not recorded due to acquisition error(s)						
296	1930	948.97	64	4.6	2116	10° 05.081S 160 48.649 E MAG 41478.7						
296	2000	951.30	71	4.5	1973.3	10° 04.071S 160° 02.110 E MAG 41352.7						
	2024					541: SQTP - error 84. This file may be bad!						
						this navlog record may be bad						
						Recording: tape unit 2 not at BOT!						
296	2030	953.62	70	4.7	1555	10° 03.090S 161° 04.519° E mag 41328.1						
296	2100	955.99	65.7	4.4	1468	10 02.033S 161 6.991 E MAG 41278						
	2116					702 Shot not recorded due to acquisition errors						
	2130	958.32	66.3	4.6	1434	10° 01.135S 161° 09.235 E MAG 41203.0						
	2141					??? Rev some data from node 2, opcode=3031, size=10 ??? Shot No. 777						
	2200	960.58	67.7	4.4	1640.3	10° 00.247S 161 11.486 E MAG 41211.1						
	2221	962.26				Increasing one turn (1 rpm) to bring up streamer						
	2230	962.81	67.4	4.6	1990	09.59 273S 161.13 804 E MAG. 41047.5						
	2227					913 SQTP - error 84						
						913 This file may be bad!						
						913 This navlog record may be bad!						
						914 recording: tape unit 3 not at BOT						
	2234					936 SQTP - error 84						
						936 This file may be bad!						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	LO	HI	SWP	DEL
						936 This navlog recording may be bad!						
						936 937 recording: tape unit 3 not at BOT						
296	2234					937 SQTP - error 84						
						937 This file may be bad!						
						937 This navlog record may be bad!						
						938 recording tape unit 3 not at BOT						
	2300	965.16	70.2	4.7	2043	09.58.33 S 161.16.199 E MAG 41148.2						
296	2330	967.47	072	4.6	2040	0957.281 S 161 18.694 E mag 41132.1						
						1027 SQTP - error 84						
						1028 recording: tape unit 3 not at BOT						
						1074 SQTP error 84						
						1073 this navlog record may be bad						
297	0000	969.80	0.0	4.4	2032	09.56 289 S 161.21.178 E MAG 41115.5						
	0030	972.14	68.0	4.4	1837	09.55 203 S 161.23.730 E MAG 41298.2						
	0100	974.39	67.8	4.4	1737	09.54.111 S 161.26.429 E MAG 41364.1						
	0124					Speed up from 4.4 knots to 4.6 knots						
	0130	976.66	66.7	4.8	1354.3	9.52.967 S 161.29.188 E MAG 41361.0						
	0132					1470 SQTP - error 84.						
						1469 This file may be bad!						
						1469 This navlog record may be bad!						
	0152					1530 SQTP - error 84						
						1529 This file may be bad!						
						1529 this navlog record may be bad!						
	0200	978.99	68.5	4.8	1129.3	9.51.959 S 161.31.774 E MAG 41421.3						
	0230	981.31	68.5	4.4	976.4	9.50.921 S 161.24.310 E MAG 41733.5						
	0300	983.59	67.8	4.7	983.8	9.49.912 S 161.36.745 E MAG 41518.1						
						compressor trouble. Gun stop.						
						Shot # 1734 File # 1731. (400 PSI.						
	0301					Gun shooting restart. Shot # 1738 File # 1732						
						1735 CSSA: TB not received within 1000 msec of RT						

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
297	0730	1004.67	65	4.6	333	09° 41.453 S 161° 57.517 E MAG 41416.2						
	0800	1007.13	070	4.9	841	09° 40.664 S 161° 59.453 E MAG 41245.6						
	0830	1009.65	066	5.2	1047	09° 39.772 S 162° 01.531 E MAG 41408.6						
	0900	1012.17	068	5.3	2419	09° 38.055 S 162° 03.515 E MAG 41113.0						
	0930	1014.88	67.1	5.2	3554	09° 38.092 S 162° 05.744 E MAG 41074.1						
	0951					2966 CSSA: TB not received within 1000ms of NC						
						2966						
	1000	1017.51	69.4	5.1	4375	09° 37.137 S 162° 08.042 E MAG 41087.6						
	1030	1019.92	66.4	4.4	4831	09° 36.236 S 162° 10.223 E MAG 41066.2						
	1039					3108. 3109 Air pressure down!! Airguns off line						
						3110 CSSA: TB not received within 1000 ms of NC						
						This shot						
						3110 ~ 3116 STOP.						
	1042					3117 ~ 3119 Recover this shot!! Airguns on line						
	1042	STOP AGAIN.				3120 ~ Airguns off line						
	1048					3134 Air guns back on						
297	1100	1022.38	68	4.7	5054	09° 35.358 S 162° 12.380 E MAG 41033.2						
	1130	1024.79	67	4.9	5383	09° 34.485 S 162° 14.525 E MAG 41018.6						
	1200	1027.26	65	4.9	5765	09° 33.612 S 162° 16.563 E MAG 40993.3						
	1230	1029.70	68	4.5	5364	09° 32.828 S 162° 18.584 E MAG 40975.0						
	1300	1032.17	69	4.6	7881	09° 31.944 S 162° 20.724 E MAG 40967.1						
	1330	1034.68	66.6	5.2	4594	09° 31.043 S 162° 22.907 E MAG 40941.6						
	1400	1037.16	68.3	5.1	4151.0	9° 30.230 S 162° 24.924 E MAG 40888.9						
	1430	1039.69	66.7	5.1	3593.1	9° 29.372 S 162° 27.038 E MAG 40855.6						
	1500	1042.20	66.4	4.8	3139.1	9° 28.476 S 162° 29.184 E MAG 40823.1						
	1530	1044.70	68.5	5.2	3256.1	9° 27.642 S 162° 31.332 E MAG 40806.4						
	1600	1047.23	70.5	4.9	3407.1	9° 26.778 S 162° 33.477 E MAG 40795.2						
	1630	1049.69	66.6	5.0	3713.1	9° 25.913 S 162° 35.519 E MAG 40789.6						
	1700	1052.17	067	5.0	3589	09° 25.065 S 162° 37.552 E mag 40805.0						
	1706	1052.74	068	4.9	3587	begin turn toward Line 3B						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
297	1707					EOL 3B Shot 4273 File 4244						
	1715	1053.45	348	5.2	3466	finished finished turn						
	1730	1054.60	345	4.7	3357	09 23.298S 162 37.675 E mag 40782.8						
	1731	1054.75	352	4.8	3324	SOL 4e 09 23.149S 162 37.656 E						
	1800	1057.15	341	5.1	2666	09 21.097 S 162 37.056 E mag 40715.2						
	1900	1062.20	342	5.1	2832	09 16.676 S 162 35.772 E mag 40708.7.						
	1930	1064.67	339	5.2	2760	09° 14.714 S 162° 35.057 E MAG 40647.6						
	2000	1067.18	345	4.9	2784	09 12.559 S 162 34.521 E MAG 40647.5						
	2030	1069.70	340	5.0	2865	09° 10.048 S 162 33.777 E MAG 40642.4.						
	2037	1070.30				Start turning						
	2037					EOL 4e, Shot 558 File 557						
						tapes labeled as 4d, not 4e!!!						
297	2050	1071.50	275	5.2	2943	SOL 5a, 09 09.586 S 162 32.717 E						
	2052	1071.63				FINISHED TURNING						
	2100	1072.26	244	5.0	2545	09 09.244 S 162 31.502 E MAG 40652.6.						
						Finished turning, direction DIRECTION 254						
	2107					Got PLABEL msg from CSRU, shot no. 55.						
297	2114	1073.47				Slightly offline due to current, correction being made						
	2130	1074.63	254	4.4	2990	09 10.660 S 162 29.825 E MAG 40811						
	2200	1076.92	255	4.9	2842	09 11.180 S 162 27.735 E MAG 40812.8						
	2230	1079.35	254	4.6	2684	09 11.805 S 162 25.891 E MAG						
	2300	1081.68	252	4.6	3149	09 12.480 S 162 23.150 E MAG 40782.5						
	2304					SLIC data NOT received 17164 ms after NC						
						CSSA: TB not received within 1000 ms of NC						
	2330	1083.91	255	4.1	4023	09 13.123 S 162.20.750 E MAG 40776.7						
298	0000	1086.40	0.0	4.9	4257	09 13.876 S 162 12.394 E MAG 40805						
	0013					Con #16 off line						
	0030					file # 631 shot # 634 not recorded (reel 334) time 0018:40						
						file # 617 shot # 620 put in header						
298	0030	1088.92	256	5.2	4546	09 14.559 S 162 15.780 E MAG 40852						

DATE	TIME	PIT LOG	CHG ESE	SPD	DEPTH	REMARKS	A		B		C	
							SWP DEL	LO HI	SWP DEL	LO HI	SWP DEL	LO HI
298	0036	1089.34	259	5.4	4581	REDUCE SPEED & TURN TO DEEPEN STREAMER						
298	0100	1091.34	251.5	5.3	4790	9 15.339 S 162 13.483 E 40897.1 MAG						
	0119	(3)				Gun #16 shooting crabs						
	0130	1093.77	253.9	5.0	5022.9	9° 15.983'S 162° 11.018'E MAG 40911.4						
	0200	1096.18	248.0	4.0	4921.0	9° 16.729'S 162° 08.721'E MAG 40908.8 CUG is 5 min average.						
	0230	1098.59	253.8	4.6	4755.0	9° 17.357'S 162° 06.392'E MAG 40918.6						
	0300	1101.00	253.5	4.9	4155.0	9° 17.991'S 162° 04.166'E MAG 40929.8						
	0330	1103.45	255.8	5.5	3213	9 18.664 S 162 01.749 E MAG 40941.3						
	0400	1105.99	253.3	5.3	2698.2	9° 19.494'S 161° 59.151'E MAG 41038.7						
	0430	1108.48	254.4	4.9	1884.3	9° 20.161'S 161° 56.730'E MAG						
	0500	1110.98	252.2	5.0	954.6	9° 20.796'S 161° 54.476'E MAG 41095.8						
	0517					Problem with Peter's Program						
298	0530	1113.44	251.2	5.1	1647	09° 21.349 S 161° 52.686 E MAG 41088.3						
	0600	1115.50	251	4.9	2840	09 22.072 S 161 50 104 E MAG 40852.						
	0630	1118.34	254	5.0	2035	09° 22.662 S 161° 48.009 E MAG 40905.2						
	0655					1720 SATP error 84						
						1719 This file may be bad / this navlog record may be bad.						
	0700	1120.84	253	4.8	3056	09° 23.353 S 161° 45.766 E MAG 40949.6						
	0719					PULLING GUN #8						
	0730	1123.35	249	5.0	2976	09 24.057 S 161 43.547 E MAG 41035.4						
	0800	1125.50	251	4.9	2322	09 24.623 S 161 41.350 E MAG 41026.1						
	0821					GUN #8 BACK IN THE WATER						
	0830	1128.44	251	4.9	2225	09 25.263 S 161 39.146 E mag 41059.4						
	0835					2107 SATP error 84						
						2106 This file (navlog) may be bad.						
						2109 SATP error 89						
						2108 This file (navlog) may be bad						
						2110 SATP error 84						
						2109 This file / navlog may be bad.						
	0854					2109 : SATP - error 84						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	SWP A DEL LO HI	SWP B DEL LO HI	SWP C DEL LO HI
						2106 This file may be bad!			
						2106 This Navlog record may be bad.			
						2109 ↓ this Navlog record may be bad.			
298	0900	1131.04	253	5.2	2100	09° 25.904 S 161° 36.954 E MAG 41071.5			
	0930	1133.60	254	5.2	1675	09° 26.460 S 161° 39.945 E MAG 41066.3			
	0937					2302 SQTP - error 84			
						2302 This file may be bad!			
						2302 This navlog record may be bad!			
						2303 recording! tape unit 3 not at BOT.			
	0938					??? Rev some data from node = 2, opcode = ffff9a01, size = 10 ???			Shot Number 2806.
	1000	1136.29	254	5.3	1048.3	09° 27.094 S 161° 32.772 E MAG 41110.0			
	1004	1136.70				09 27 166 S 161 32 486 E 4111.6			
						turning point. Starting turn			
	1003					Nav Tape #10 end File 1-#2381 SP 3-2384			
						LINE 5a finished			
298	1019					Line #6 shooting start.			
	1030	1138.82	324	5.0		Start reel #354.			
298	1030	1138.82	324.6	5.0	499.0	09° 25.823 S 161° 31.371 E MAG 41072.5			
	1100	1141.47	333.6	5.0	836.4	09° 23.942 161° 30.365 E MAG 41188.7			
	1101					126 SQTP - error 84			
						126 This file may be bad!			
						126 this navlog record may be bad!			
						127 recording! tape unit 3 not at BOT			
	1102					126 ~ 128. same messages appear & like this			
	1106					??? Rev some data from node 2, opcode = ffffff, size = 36 ???			
	1122					shot no. 189. Aingun #11 off line!			
	1125					Line #6. shooting stop for turning			
						Reel #359 end Nav Log Tape #170			

File #151-201 Shot #151-201

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
298	1130	1144.15	345	5.1	1208	09.21.931 S 161.29.641 E MAG 41020.2						
	1135					Line # 7. start shooting.						
						Start reel #360.						
						Nav log tape # 12.						
						37 This file may be bad!						
						37 this navlog record may be bad!						
	1200	1146.43	52.9	4.6	1860	09 20.484 S 161.31.717 E MAG 40984.6.						
	1212					recording: tape unit 2 not at BOT						
	1219					??? Rev some data from node 2, opcode=0, size=36 ???						
	1230	1148.74	50.7	4.9	2053	09.18.937 S 161.33.771 E MAG. 40998.7						
	1300	1151.09	58.4	4.5	2098	09 17.540 S 161 35.980 E MAG 40901.1						
	1330	1153.44	54.7	4.7	1898.3	9° 16.116' S 161° 38.147' E MAG 40867.9.						
	1357					??? Rev some data from node 2, opcode=2034, size=36 ???						
	1400	1155.79	55.9	4.9	2000.2	9° 14.619' S 161° 40.307' E MAG 40812.6.						
	1430	1158.13	56.0	4.6	2044.2	9° 12.129' S 161° 42.056' E MAG 40845.4						
	1500	1160.51	54.3	4.9	1076.3	9° 11.646' S 161° 44.689' E MAG 40911.2.						
	1530	1162.90	56.4	5.1	1465.3	9° 10.167' S 161° 46.927' E MAG 41152.7						
	1600	1165.31	54.5	4.6	2524.2	9° 8.598' S 161° 49.220' E MAG 40990.5						
	1630	1167.71	54.9	5.0	3362.1	9° 6.968' S 161° 51.576' E MAG 40986.9						
	1654					gun #15 off for few minutes, now back on,						
						off again, going to pull it						
298	1700	1170.11	051	4.8	3115	09 05.329 S 161 53.921 E mag 40898.9						
	1730	1172.51	055	4.8	2818	09 03.787 S 161 56.300 E mag 40843.9						
	1736					missed several shots - alarm on Moray,						
						back up again Shot 1086 File 1085						
298	1800	1174.92	060	4.9	3470	09 02.269 S 161 58.659 E mag 40836.1						
						1218 SQTTP ERROR 84						
						1217 This file/navlog bad						
						1218 recording: tape unit 2 not at BOT						
						1222 SQTTP error 84						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP DEL/LO	HI	SWP DEL/LO	HI	SWP DEL/LO	HI
0259	0510					start turning.						
						08 26.970 S 162.24.535 E MAG 40402.						
						New reel #13 ejected. New New reel #14.						
	0521					Finish turning						
	0522					start line sol# 9						
						shot #1 File #1						
	0530					Retrov Program appears on Screen.						
	0530	1228.88	233	4.5	2555	08° 27.855 S 162.25 835 E MAG 40413.5						
	0530					CSEA : filter does not check from traces #3 to 3						
						recording: tape unit #1 not ready.						
						Nalos drive 1 not ready.						
	0600	1231.24	235	4.8	2635	08 28.880 S 162.22.025 E MAG 40423.4						
	0630	1233.29	233	4.7	2749	08° 30.205 S 162° 20.207 E MAG 40405.4						
	0700	1236.06	237	5.0	2822	08° 25.589 S 162° 18.282 E MAG 40377.4						
	0730	1238.48	236	4.9	2870.	08° 32.970 S 162 16.271 E MAG 40391.5						
	0800	1240.90	231	4.9	2927	08° 34.262 S 162 14.368 E MAG 40421.8						
	0821					527 SETP - Error 84						
	0820	1243.66	236	4.8	3043	527 This file may be bad!						
						527 this nalos record may be bad!						
						528 recording: tape unit 2 not at BOT						
	0830	1243.36	236	4.8	3043	08° 35.671 S 162° 12.411 E MAG 40439.2						
209	0900	1245.83	239	4.9	3120	08° 36.985 S 162° 10.597 E MAG 40423.9						
	0930	1248.29	233	4.9	3200	08° 38.366 S 162° 08.714 E MAG 40404.9						
	0940					Shot stop. shot #776. file #775.						
						0940:000943:45 Shot stop.						
						shot sequence not altered						
						next shot 777 and file 776						
	1000	1250.78	233	4.9	3323	08 39.748 S 162.06.744 E MAG 40410.1						
	1030	1253.17	235	5.3	3440	08. 41.127 S 162.04.814 E MAG 40414.5						
	1030	1253.17	235	5.3	3440							

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
299	1100	1255.65	233	4.8	3581	08.42.547 S 162.02.871 E MAG 40525.7						
	1130	1258.09	236	4.9	3691	08.43.916 S 162.00.885 E MAG 40536.3						
	1153					Gun No. 8. off line for repair. final number 1165; Shot # 1166. File # 1165						
	1200	1260.61	235	4.8	3815	08.45.377 S 161.58.658 E MAG 40551.4						
	1230	1263.13	274	5.2	3929	08.46.988 S 161.56.489 E MAG 40592.9						
	1241					gun #8 back on line shot 1309						
299	1300	1265.65	233.7	4.8	4013	08.48.555 S 161.54.345 E MAG 406143.8						
299	1330	1268.1	235.3	4.8	3812.1	8 119.878 S 161.52.345 E MAG 40686.3						
	1400	1270.54	233.4	11.9	3018.1	8 51.315 S 161.50.367 E MAG 40732.3						
	1430	1272.98	231.4	4.8	3228.1	8° 52.832' S 161° 48.432' E MAG 40741.9						
	1500	1275.39	234.8	5.1	3433.1	8° 54.227' S 161° 46.439' E MAG 40776.7						
	1513					1767 C55A-TB not received within 1000 ms of NC.						
	1530	1277.86	227.4	4.7	3081.1	8° 55.609' S 161° 44.386' E MAG 40841.3						
	1600	1280.30	232.3	4.9	3437.1	8° 56.965' S 161° 42.472' E MAG 40863.6						
	1630	1282.96	235.1	4.7	255.2	8° 58.251' S 161° 40.618' E MAG 40826.3						
	1700	1285.18	235.5	4.7	1469.3	8° 59.571' S 161° 38.729' E MAG 40917.0						
	1730	1287.60	235	4.5	688	8° 01.025 S 161.38.712 E MAG 40852.6						
	1800	1289.85	235	5.0	1442	09 02.417 S 161.34.731 E MAG 40725.7						
	1810					Two Birds at the tail, appears sinking. Moves down from the green line.						
	1830	1292.38	231	4.8	1974	09 03.853 S 161.32.735 E MAG 40726.5						
	1900	1294.83	233	5.1	2613	09° 05.315 S 161° 30.706 E MAG 40996.2						
	1930	1297.25	235	4.8	2230	09° 06.754 S 161° 28.020 E MAG 40989.3						
	1931					2511 S&TP error 84						
						2510 This file /navlog may be bad.						
						2511 recording: tape unit 2 not at BOT						
	2000	1299.65	237	4.9	1670	09° 08.259 S 161° 26.408 E MAG 41137.7						
	2030	1302.15	233	5.0	1212	09 09.846 S 161.24.278 E MAG 40802.0						
	2047	1303.65				Start turning						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
299	2051	1304.10	268	4.8	996	EOL #9 not shooting on turn - working on compressor will shoot another XBT (shot first one last time we were near Malaita coast - Line 6)						
299	2058					finished turn						
	2100	1304.70	326	4.8	1030	09 10.220 S 161.22.162 E MAG 40801.1						
	2108					begin shooting again, beginning of line 10 Shot #0 file #1						
	2116					37 SQTP Error 84 37 this f.k may be bad						
	2130	1307.16	322	4.9	907	09 08.326 S 161 20.619 E MAG 40882.7						
	2200	1309.58	321	4.9	678	09 06.493 S 161 19.121 E MAG 40969.7						
	2230	1312.06	322	4.8	671	09 04.634 S 161 17.603 E MAG 40933.9						
	2300	1314.56	323	4.5	577	09 02.730 S 161 16.163 E MAG 40811.9						
	2302					Got PLABEL msg from CERV. shot # 354						
	2310					commencing stacked turn						
	2319					turn completed						
	2322					begin shooting line sol 11 rel #445						
	2330	1316.98	45	4.7	557	09 00.772 S 161 16.538 E MAG 40777.0						
	0000	1319.33	49	4.6	1441	08 59.182 S 161 18.254 E MAG 40731.1						
	0030	1321.61	50	4.6	1460	08 57.608 S 161 19.955 E MAG 40963.5						
	0033					system down from 23:58 to 00:25 after shot turning around to restart line 11 110 shot 111 and 112 missing begin recording at shot 113 at 0025						
	0039					beginning turn gun #10 shut down for turn						
	0100	1324.08	49	5.1	1476	08 58.139 S 161 20.866 E MAG 40852.0						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
300	0105					Gun #16 stop						
300	0116					Notified by bridge that we turn onto our trackline @ 0222						
	0130	1326.52	49.5	4.9	1450.3	8° 59.872'S 161° 18.985'E MAG 40741.0						
						Trackline start time revised to 0218						
	0200	1328.99	49.5	5.0	614.1	9° 1.607'S 161° 17.051'E MAG 40780.0						
	0221					Shooting stop File # 459 Shot # 461						
	0223					9° 02.697'S 161° 15.556'E MAG 40797.5						
300	0231	1331.4				START LINE 11A - FSP-5, RN 3						
	0230 (50)					Gun #16 BACK IN WATER - 77 OUT						
	0234	1331.83	49.5	5.3	526.9	9° 01.801'S 161° 15.314'E MAG 40741.0						
	0242					Gun #10 restarted.						
	0239					29 SQTP - error 84						
						29 This file may be bad!						
						30 recording: tape unit 2 not at BOT						
	0300	1334.09	49.5	4.6	871.4	9° 00.326'S 161° 17.017'E MAG 40713.5						
	0303					Gun #17 back on line.						
	0326					fo. recording: tape unit 2 not ready						
						81 Tape drive not ready, bad file, drivers switched						
						81 SQTP - not ready						
						82 This file may be bad!						
	0330	1336.23	49.5	4.8	1503.3	8° 58.929'S 161° 18.574'E MAG 40757.1						
	0400	1338.56	49.5	4.6	1139.3	8° 57.351'S 161° 20.164'E MAG 41088.6						
	0430	1340.91	49.5	4.8	1005.3	8° 55.965'S 161° 21.769'E MAG 40700.4						
	0457					Sh 444 file may be bad - nav log record - forgot to note this above!						
						11. may be bad! 111						

forgot to note this above!

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
300	0500	1343.38	047	4.9	1397	08 54.426 S 161 23.461 E mag 40500.7						
300	0530	1345.85	047	4.8	1211	08 52.890 S 161 25.140 E mag 40512.7						
300	0600	1348.36	047	4.9	1857	08 51.372 S 161 26.810 E mag 40632.7						
300	0629					685 CSSA: TB not received within 1000 ms of NC 685 shot not recorded due to acquisition error (s)						
300	0630	1350.87	46	4.8	2521	08 49.771 S 161 28.526 E MAG 40787.0						
300	0657					Problem with Peter's program SH#795						
300	0700	1353.18	050	4.4	2850	08 48.340 S 161 30.117 E MAG 40859.2						
300	0657					795 SATP error 84						
						795 This file may be bad						
						796 recording: tape unit 2 not at BOT						
300	0700	1355.63	46	5.0	3164	08 46.746 S 161 31.774 E MAG 40862.1						
300	0738					Pulling Gun #5 out of water to be fixed						
300	0800	1358.10	46	4.9	2516	08 45.205 S 161 33.519 E MAG 40818.5						
300	0830	1360.60	047	5.0	3200	08 43.605 S 161 35.286 E mag 40687.4						
300	0858					Gun #5 back in water (Sh 1165, F 1162)						
300	0900	1363.10	47	5.1	3676	08 44.874 S 161 37.141 E MAG 40632.8						
	0917											
	0930	1365.51	50	5.1	3587	08 42.259 S 161 38.843 E MAG 40635.2						
	0946					Recv some data from hude 2 of code, size 10						
	1000	1368.00	50	5.2	4002	08 38.562 S 161 40.671 E MAG 40603.0						
	1030	1370.54	50	5.2	403987	08 36.820 S 161 42.622 E MAG 40573.7						
	1100	1373.04	50	5.0	3923	08 35.140 S 161 44.494 E MAG 40537.5						
	1100					Airgun #13 stop out of water for repair. Shot #1530						
	1130	1375.57	50	4.8	3749	08 33.437 S 161 46.300 E MAG 40488.6						
	1200	1378.04	50	4.8	3621	08 31.878 S 161 48.101 E MAG 40460.9						
	1206					Airgun #13 restart shot starting - shot No. 1729.						
	1205					1727 SATP - error 84						
						1727 This file may be bad!						
						1727 this navlog record may be bad!						

1128 recording: tape unit 2 not at BOT.

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP DEL	LO HI	SWP DEL	LO HI	SWP DEL	LO HI
300	1230	1380.46	49.5	4.8	3460.	08-30.180 S 161.49.817 E MAG 40430.0						
	1300	1382.92	49.5	4.8	3244	08-28.485 S 161.51.754 E MAG 40354.0						
						1250 Turning at 12:50 (local time)						
	1330	1385.44	49.5	5.0	3125.1	P° 26.520'S 161° 53.554'E MAG 40261.3						
	1358					EOL #11A						
	1400	1387.90	49.5	4.7	3009.1	P° 25.177'S 161° 55.319'E MAG 40225.7						
	1402					Nav tape #17 EJECT Gun#11 stopped						
	1406					turning is over.						
	1408					P° 24.552'S 161° 55.158'E						
	1409					SOL #12. MCS reel #479 nav reel #18						
	1430	1390.41	49.5	5.2	2965.2	P° 23.206'S 161° 53.852'E MAG 40233.7						
	1500	1392.85	49.5	5.0	2899.2	P° 21.374'S 161° 52.157'E MAG 40311.0						
	1530	1395.32	49.5	4.9	2853.2	P° 19.574'S 161° 50.829'E MAG 40369.9						
	1600	1397.74	49.5	4.8	2802.2	P° 17.873'S 161° 48.824'E MAG 40365.9						
	1630	1400.16	49.5	4.9	2749.2	P° 16.115'S 161° 47.220'E MAG 40303.9						
	1700	1402.58	49.5	4.9	2718	P° 14.331'S 161° 45.526'E MAG 40296.9						
300	1730	1405.00	047	4.8	2643	08 12.561 S 161 43.850 E mag 40317.7						
300	1800	1407.41	316	4.8	2577	08 10.770 S 161 42.196 E MAG 40338.8						
300	1824					start turn to Line 13 , EOL 12						
300						unloading nav tape #18 for line #12						
300	1830	1409.82	286	4.5	2515	08 09.186 S 161 40.372 E mag 40327.3						
300	1833					SOL #13						
300	1835	1410.23	240	4.8	2541	finished turn 08 09.392 S 161 40.029 E						
300	1842					Problem Peter's Program						
300	1900	1412.27	229	4.9	2708	08 10.608 S 161 38.474 E MAG 40343.2						
300	1930	1414.63	230	4.6	2915	08 12.083 S 161 36.669 E MAG 40350.5						
300	2000	1417.01	233	4.9	3056	08 13.582 S 161 34.833 E MAG 40345.1						
300	2030	1419.47	227	5.0	3274	08 15.056 S 161 32.961 E MAG 40357.1						
300	2058					alarm - not received center beam data for 2 min						
300	2100	1421.96	232	4.9	3516	08 16.661 S 161 31.015 E MAG 40358.8						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
300	2130	1424.45	232	5.0	3710	08 18.185 S 161 29.043 E MAG 40497.5						
	2132					540 SATP - error 84						
						540 This file may be bad!						
						541 recording - tape unit 2 not at BOT.						
	2200	1426.89	230	4.7	3941	08 19.7710 S 161 27.141 E MAG 40574.9						
	2230	1429.34	234	4.9	4140	08 21 332 S 161 25 138 E MAG 40598.1						
	2300	1431.76	230	7.8	4248	08 23.006 S 161 23.128 E MAG 40606.1						
	2330	1434.16	228	5.0	4350	08 24.724 S 161 21.215 E MAG 40622.3						
301	0000	1436.65	0.0	5.1	4351	08 26.343 S 161 19.077 E MAG 40618.4						
	0030	1439.15	230	5.1	4374	08 28.026 S 161 17.045 E MAG 40687.1						
	0054					??? Rev some data from node=2, opcode=0, size=36 ???	Shot #	1147				
	0100	1441.64	233	5.1	4089	08 29.701 S 161 14.885 E MAG 40788.1						
						1190 SLIC data not received 1715 ms after NC						
						1190 CSSA: not received within 1000 ms of NC						
						1190 Shot not recorded due to acquisition errors						
	0130	1442.10	231.9	4.7	3824.1	8° 31.329 S 161° 12.898 E MAG 40823.1						
	0120					bird no's 304 - no response - monitor shows them on surface.						
	0200	1446.57	229.1	4.6	2992.2	8° 32.958 S 161° 10.915 E MAG 40832.9						
	0230	1449.10	232.4	4.9	1967.3	8° 34.546 S 161° 08.885 E MAG 40798.8						
	0238					Bridge reported debris in water. off course temporarily to avoid it						
	0254					Bridge speeding up to bring up tail buoy						
	0300	1451.43	230.3	4.5	1223.3	8° 36.026 S 161° 06.798 E MAG 40574.2						
	0309					speed of this ship is up.						
	0330	1453.83	229.6	5.2	686.4	8° 37.628 S 161° 05.137 E MAG 40396.2						
	0400	1456.33	229.7	5.2	207.4	8° 39.232 S 161° 03.165 E MAG 40469.7						
	0430	1458.05	229.6	5.2	311.3	8° 40.915 S 161° 01.108 E MAG 40613.0						
	0434					Bridge informed of turn at 0501 GMT						
	0500	1461.39	225.7	4.9	335.2	8° 42.586 S 160° 02.090 E MAG 40621.0						

DATE	TIME	PIT LOG	CMB		SPD	DEPTH	REMARKS	A		B		C	
			SWP	DEL				LO	HI	SWP	DEL	LO	HI
301	0501						started turn						
301	0503						stopped shooting so guys can take boat out to look at streamer - problems w/ 2 birds not responding						
301	0517						finished turn						
301	0530	1463.98	083	5.1	391.8		08 43.309 S 161 00.718 E mag 40848.3						
301	0600	1466.70	080	5.0	633.9		08 42.873 S 161 03.490 E mag 40719.2						
301	0626	1469.28	078	5.2	1402.3		08 42.417 S 161 06.256 E mag 40454.4						
301	0700	1471.53	076	4.5	1778		08 41.900 S 161 08.662 E mag 40437.0						
301	0720						rescue boat returns from streamer work - replaced 2 birds						
301	0730	1473.81	82	4.7	1956		08 41.424 S 161 11.066 E mag 40526.0						
	0746						Birds back on line - making turn to return to SOL 14						
301	0800	1476.24	357	4.9	2432		08 40.732 S 161 12.852 E mag 40685.2						
301	0830	1478.78	260	5.1	1951		08 40.561 S 161 10.546 E mag 40588.6						
301	0841	1479.93	252	4.5	1695		started shooting + recording <u>SOL 14a</u> Sh1 F1 08 40.849 S 161 09.434 E mag 40545.1						
301	0900	1481.05	249	4.7	1560		08 41.223 S 161 08.397 E mag 40491.6						
	0930	1482.48	247	4.8	1391		08 42.079 S 161 06 321 E MAG 40443.6.						
	0937						C8RU: gpts checksum error from F1C. shot #170						
	0951						start turn, shot #213 is the last shot on line 14A						
	0952:52						shot #216. file #215 is the last record on line 14A						
	1002						finished turn, and start recording <u>SOL 14B</u> .						
	1003	1486.17	288	4.8	812		08 42.339 S 161 04.013 E MAG 40595.0						
	1030	1488.30	329	4.9	798		08 40.729 S 161 03.031 E MAG 40541.2						
	1100	1490.90	331	5.0	570		08 38.879 S 161 02 040 E MAG 40526.6						
	1130	1493.31	330	6.3	564		08 37.029 S 161 00.916 E MAG 40553.4						
	1200	1495.83	329	4.9	667		08 35.144 S 160 59.853 E MAG 40548.3						

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
301	1730	1523.26	65	4.6	473	08 14. 257 S 160.50. 858 E mag 40496.6						
	1731					34 Tape drive not ready, bad file, drives switched!						
						34 SQTP - status = 0000						
						35 This file may be bad.						
301	1735					error in drive #2 & #3. both logging at the						
	1738					same time.						
	1800					35 this file navlog record may be bad!						
						111 recording: tape unit 2 not at BOT.						
301	1800	1525.55	68	4.1	707	08 13. 237 S 160 52. 944 E mag 40494.8						
	1830	1527.77	65	4.4	1305	08 12. 263 S 160 55. 024 E mag 40570.0						
	1853					310 SQTP error 84						
						310 This file may be bad						
						310 this nav log record may be bad						
						311 recording: tape unit 2 not at BOT						
						311 Tape drive not ready, bad file, drives switched.						
						312 This file may be bad						
						312 this navlog record may be bad.						
301	1900	1529.97	066	4.3	1432	08° 11. 233 S 160° 57. 258 E MAG 40712.0						
	1919					389 SQTP error 84						
						389 This file may be bad						
						389 this nav record may be bad						
						390 recording: tape unit 2 not at BOT						
	1930	1532.24	064	4.7	1696	08° 10. 189 S 160° 57. 438 E MAG 40672.7						
301	2000	1534.50	063	4.8	2499	08 09. 228 S 160 01. 607 E mag 40646.6						
301	2030	1536.51	062	4.8	3415.1	08 08. 197 S 161 03. 828 E mag 40543.4						
301	2100	1538.14	064	4.9	3857	08 07. 270 S 161 05. 840 E mag 40467.3						
	2110					724 SQTP - error 84						
						724 This file may be bad!						
						724 This nav log record may be bad!						
						725 recording: tape unit 2 not at BOT.						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	LO	HI	SWP	DEL
301	2110					725 Tape drive not ready, bad file, drives switched!						
						726 This file may be bad!						
						726 this navlog record may be bad!						
	2130	1541.98	66	4.3	389.2	08° 06.303 S 161.07.948 E MAG 40386.6						
	2200	1543.65	64	4.6	375.3	08° 05.319 S 161.035 E MAG 40369.4						
	2230	1546.04	64	4.6	358.7	08. 04216 S 161.12 344 E MAG 40347.3						
	2300	1548.31	66	4.6	330.9	08. 03. 211 S 161 14 616 E MAG 40336.9						
	2321					??? Rev some data from mode=2, opcode=100, size=36???						
	2330	1550.54	65	4.6	316.4	08 02.121 S 161.16.874 E MAG 40309.9						
	2334					1155 S2TP - error 84						
						1155 This file may be bad!						
						1155 recording = tape unit 2 not at BOT						
302	0000	1552.77	0.0	4.5	3020	08.01.014 S 161.19.193 E MAG 40273.7						
302	0004	1553.14	68.0		2965	BAD GPS FIXES						
	0030	1554.95	65	4.2	2820	07 07.59.925 S 161.21.561 E MAG 40275.7						
	0037	1555.53				07 59.680 S 161.22.127 E Start to Turn.						
	0051					07 58.676 S 161 22.209 E finished to turn.						
	0100	1557.37	330	5.1	2716	07 58 121 S 161 21 980 E MAG 40261.6						
	0130	1559.84	331.8	4.7	2684.2	7° 56.055 S 161° 20.592 E MAG 40215.7						
	0200	1562.27	330.8	4.8	2629.2	7° 54.006 S 161 19.856 E MAG 40143.5						
	0210					238 SLIC data NOT received 17140 ms after NC						
						238 CSSA: TB not received within 1000 ms of NC						
						238 Shot not recorded due to acquisition error (5).						
	0230	1564.75	329.9	5.1	2575.2	7° 52.040 S 161° 18.280 E MAG 40077.1						
	0300	1567.16	330.2	4.7	2438.2	7° 50.007 S 161° 17.217 E MAG 40053.0						
	0314					shot 436 File 434						
	0321					shot 457 File 449						
	0330	1569.57	331.5	4.6	2393.2	7 48.051 S 161° 16.129 E MAG 40045.6						
	0332					Turn at 15.27 - message from bridge						
	0400	1571.95	331.0	4.9	2332.2	7 46.155 S 161 15.070 E MAG 40070.5						

← shot # is strange.
← correct.

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
302						turning 15.30 local time - message from bridge						
	0447					618 SLIC data not received 17152 ms after 11C						
						618 shot not recorded due to acquisition errors						
	0430	1574.45	330.4	5.0	2304.2	7° 44.174'S 161° 13.98'E MAG 40171.6						
	0439				2323.2	completed turn 7° 44.020'S 161° 13.375'E.						
302	0456					gun #11 not firing for 10-15 min., back on						
302	0500	1576.88	244	4.9	2382	08 44.770S 161 11.925 E mag 40203.1						
	0530	1579.39	2429	4.8	2496.2	7 45.822S 161 09.811 E MAG 40219.4						
302	0600	1581.86	240	4.8	2615.2	7 46.844S 161 07.758 E mag 40192.2.						
302	0630	1584.86	237	4.9	2744	7 47.845 S 161 05.688 E mag 40150.7.						
302	0700	1586.77	248	5.1	2884	7 48.904 S 161 03.583 mag 40174.4						
302	0730	1589.22	244	5.0	3083	07° 50.009 S 161° 01.389 E MAG 40155.9						
302	0800	1591.51	243	4.8	3291.1	07 51.038 S 160 59.339 E mag 40111.0						
302	0830	1593.53	251	4.8	3408.1	07 52.133 S 160 57.123 E mag 40077.9						
302	0900	1596.24	241	4.1	2846.1	07 53.202 S 160 55.018 E mag 40050.4						
	0930	1598.54	243	5.0	2692	07.54.225 S 160 53.032 E MAG 40123.6						
	1000	1600.85	243	4.7	2218	07.55.233 S 160 50.983 E MAG 40201.7						
	1030	1603.16	244	4.8	2120	07 56.299 S 160.48.897 E MAG 40304.8						
	1100	1605.45	243	4.6	1366	07 57.365 S 160.46.736 E MAG 40407.8						
	1130	1607.174	245	4.4	648	07 58.439 S 160.44.581 E MAG 40323.5						
	1155					GPS is down!						
	1156					GPS recovered.						
	1200	1610.09	0.0	4.8	546	07.59 546S 160.42388E MAG 40171.4						
	1206					GPS is down!						
	1208					GPS recovered.						
	1209	1610.80	0.0	4.3	491	07.59.931 S 160.41.638 E OBS (SAT) #13 deployment point. shore #1353 file #1352						
	1230	1612.33	241	4.9	566	07.08.00.719 S 160.40.170 E MAG 40318.6						
	1236					GPS is down!						
	1241					GPS recovered.						
	1300	1614.65	243	4.5	1167	08.01 852 S 160 38.047 E MAG 40389.8						

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
303	0000	1665.80	0.0	4.9	3497	07-42.204 S 160-17-043 E MAG 40492.7.						
	0030	1668.17	3.1	5.2	3601	0739.662 S 160 17-070 E MAG 40399.9						
	0100	1670.56	30.0	4.9	2662	0737.133 S 160 17-097 E MAG 40195.8						
	0130	1672.96	39.1	4.8	2312.2	07° 36.637' S 160° 17.043' E MAG 40182.1						
	0200	1673.38	1.7	5.3	2637.2	07° 32.119' S 160° 17.096' E MAG 40273.9						
	0220					Datum clock time out (MORAY)						
	0230	1677.79	38.4	4.7	3742.1	7° 29.636 S 160° 17.057 E MAG 40376.0						
						1590 SATP-error 84						
						1590 This file may be bad						
						navlog record may be bad						
						recording tape unit 2 not at BOT						
						1591 This file may be bad						
						1591 This navlog may be bad.						
	0300	1680.21	0.3	4.7	4003	7 27.090 S 160 17-090 E 10286.3 MAG						
	0330	1682.59	0.7	4.8	3819.1	7° 24.582' S 160° 17.098' E MAG 40210.4						
	0400	1685.01	0.4	4.6	3605.1	7° 22.038' S 160° 17.136' E MAG 40168.1						
	0430	1687.44	0.2	4.7	3332.1	7° 19.454' S 160° 17.140' E MAG 40143.9						
303	0500	1689.78	360	4.6	3176	07 16.985 S 160 17.149 E mag 40093.8						
303	0530	1692.13	003	4.9	3012	07 14.514 S 160 17.175 E mag 40071.3						
303	0600	1694.58	1.1	4.7	2863	07 11.807 S 160 17.186 E mag 39959.5						
303	0630	1696.94	0.0	4.6	2746	07° 09.281 S 160° 17.218 E MAG 39929.3						
303	0700	1699.69	0.0	4.8	2629	07° 06.742 S 160° 17.248 E MAG 39936.8						
						2291 SATP-error 84						
						2290 This file / navlog may be bad.						
303	0730	1701.66	0.7	4.8	2521	07° 03.918 S 160° 17.261 E MAG 39949.1						
	0738					2442 SATP error 84						
						2443 This file / navlog may be bad						
						2443 recording tape unit 3 not at BOT						
303	0800	1704.02	0.4	4.8	2444	07° 01.835 S 160° 17.305 E MAG 39915.1						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
303	0830	1706.92	1.0	4.7	2361	06°59.425S 160°17.263E MAG 39850.2						
303	0852					coming up on EOL 18, going to shoot around turn & then start 19						
303	0856					started turn, gun #11 not firing						
303	0900	1708.82	351	4.6	2409	06 57.020S 160 17.244E mag 39815.6						
	0902					2699 CSSA: TB not receiving within 1000 ms of NC	#/shot#	2698	2697			
	0913					finished turn. start SOL 19	file #	2698				
	0927					SOL 19 recording start. gun #11 start shooting start.						
	0930	1711.86	282	5.1	2501	06.55.989 S 160.15.100 E MAG 39812.2						
	1000	1713.85	289	4.9	2533	06.55.336 S 160.12.802 E MAG 39791.1						
	1006	1714.43				started turn.						
	1017	1715.29				finished turn, begin line 19						
	1030	1716.24	217	4.5	2623	06.56.050S 160.11.094E MAG 39815.7						
	1100	1718.66	213	4.8	2705	06.57.923 S 160.09.886E MAG 39845.8						
	1118					332 SLIC data NOT received 17158 ms after NC						
						332 CSSA: TB not received within 1000 ms of NC.						
	1130	1721.13	214	4.9	2779	06.59.888S 160.08.639E MAG 39866.7						
	1141					403 CSSA: TB not received with 1000 ms of NC						
	1200	1723.66	215	4.9	2833	07.01.832 S 160.07.313 E MAG 39981.8						
	1230	1726.10	212	4.7	2966	07.03.840 S 160.06.068E MAG 40027.0						
	1300	1728.51	216	4.9	3044	07.05.773 S 160.04.753E MAG 40014.0						
	1311					671 SQT - error 84, This file may be bad!						
						671 this navlog record may be bad!						
						672 recording: tape unit 2 not at BOT						
	1330	1731.02	214	5.0	3194.1	7° 07.820'S 160° 03.451'E MAG 40076.5						
	1338					Gun #4 stop.						
	1400	1733.49	213	4.9	3251	7° 09.916'S 160° 02.107'E MAG 40064.0						
	1430	1735.98	212	5.2	3382.1	7 12.021S 160 00.735E MAG 40049.5						
	1444					Gun #4 restarted						
	1500	1738.07	210	4.9	4039.0	7° 14.019'S 159° 59.311'E MAG 40103.2						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
303	1530	1740.92	2128	5.0	4103.0	7°16.229'S 159°57.98'E MAG 40159.8						
	1531					1093 SQTP - error 84						
						1092 This file may be bad!						
						1092 this navlog record may be bad!						
						1093 recording: tape unit 3 not at BOT.						
						1093 SQTP - error 84						
						1093 This file may be bad!						
						1093 this navlog record may be bad!						
						1094 recording: tape unit 3 not at BOT.						
	1600	1743.27	2123	4.6	4163.0	7°18.350'S 159°56.603'E MAG 40139.0						
	1630	1745.71	213.4	4.9	4191.0	7°20.467'S 159°55.231'E MAG 40126.5						
	1700	1748.12	2126	4.3	4193.0	7°22.569'S 159°53.863'E MAG 40151.3						
303	1730	1750.50	213	4.0	4194.0	7°24.647S 159°52.517E MAG 40170.7						
	1800	1752.84	213	4.0	4189.0	7°26.670S 159°51.200E MAG 40219.9						
	1830	1755.19	214	4.2	4134.0	7°28.701 159°49.832E MAG 40282.6						
	1900	1757.54	212	4.8	2556	7°30.885S 159°48.465E MAG 40185.0						
	1930	1759.86	213	4.7	2806	7°32.957S 159°47.097E MAG 40263.3						
	2000	1762.19	213	4.3	2706	7°35.105S 159°45.677E MAG 40295.3						
	2030	1754.63	212	4.4	2773	7°37.240S 159°44.311E MAG 40321.8						
	2100	1766.88	215	4.6	2032	7°39.416S 159°42.870E MAG 40503.5						
	2130	1769.24	211	4.7	2665	7°41.598S 159°41.504E MAG 40385.8						
	2200	1771.58	212	4.7	302	7°43.798S 159°40.026E MAG 40584.9						
	2230	1773.92	213	4.8	921	07.45.426S 159°38.635E MAG 40185.0						
	2300	1776.31	215	4.5	1303	07.48.163S 159°37.138E MAG 40264.9						
	2330	1778.65	210.9	4.5	1226.3	07.50.425S 159°35.738E MAG 40317.9						
	2336					Got PLABEL mag from CSRU shot #2547. file #2545						
304	0000	1780.97	0.0	4.6	1134	07.52.492S 159°34.367E MAG 40504.7						
	0030	1783.21	214	4.6	1056	07.54.311S 159°32.993E MAG 40521.1						
	0100	1785.60	214	4.7	952	07.56.501S 159°31.739E MAG 40520.7						
	0126					End of line @ 0152 GMT						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
304	0130	1787.95	25.0	4.9	605.0	7° 58.548'S 159° 30.394'E MAG 40459.3						
	0154	1789.02			455.3	8° 00.138'S 159° 29.809'E.						
						Send FORCE EOL						
						shot # 2958 file # 2958 6						
						GOT CSRU-STATUS=ENDLINE.						
						Send GO OFFLINE → CSRU						
	0200	1790.21	18.8	4.5	378.2	8° 00.509'S 159° 29.511'E MAG						
304	0210					PREPARE TO RETRIEVE GEAR.						
						MAG OFF - UNTIL RETURN TO						
						MCS WORK.						
0223	0230	1792.63	74.5	5.1	511	8 00.077S 159 31.836E						
	0300	1794.99	78.3	4.0	781	7 59.601S 159 34.117E						
	0330	1796.36	73.2	2.7	711	7° 59.216S 159° 35.368E						
	0400	1797.59	74.6	3.2	84.2	7 58.806S 159 36.530E						
	0430	1799.25	73.3	2.8	335	7 58.383S 159 38.033E						
	0500	1800.34	71.3	1.6	323.3	7 58.142S 159 38.821E						
304	0526					reducing speed to 2 knots (still bringing in streamer)						
304	0530	1801.51	075	1.8	350	07 57.841S 159 39.886E mag —						
304	0600	1802.54	074	3.4	319	07 57.579S 159 40.865E mag —						
304	0630	1804.24	072	3.1	404	07 57.221S 159 42.420E mag —						
304	0700	1805.56	074	1.8	456	07 56.988S 159 43.526E mag —						
304	0730	1806.85	073	2.0	383	07 56.598S 159 44.735E						
304	0800	1807.89	073	1.9	863	07 56.259S 159 45.615E						
304	0813	1808.57	180	7.5	872	07 56.369S 159 45.868E						
						streamer is in! heading back to Honiara!						
304	0830	1811.28	253	10.1	439	07 57.165S 159 43.173E						
"	0845	1813.5	253	10.2	353	MAG REPOSED TO HONAIARA						
304	1000	1826.01	157	10.0	340	08 08.967S 159 41.615E MAG 40611.3						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
304	1030	1830.9	127	10.2	379	08 11.875 S 159 45.551 E MAG 40733.8						
304	1100	1836.13	127	10.3	399	08 14.983 S 159 49.653 E MAG 40882.4						
304	1130	1841.52	128	11.3	489	08 18.196 S 159 53.973 E MAG 40284.6						
304	1200	1847.22	126	11.1	1109	08 21.561 S 159 58.473 E MAG 40878.8						
304	1230	1852.95		12.0	1275	GPS out						
304	1300	1858.84	191	11.6	85.8	08 31.868 S 159 59.330 E MAG 40792.7						
304	1330	1864.27	191	10.7	104	08 37.306 S 159 58.253 E MAG 40787.6						
304	1400	1869.43	192.1	9.9	151.6	08 42.447 S 159 57.211 E MAG 40864.0						
	1430	1874.21	191.7	9.3	92.0	08 47.056 S 159 56.303 E MAG 41123						
	1500	1879.0	190.4	9.4	68.1	08 51.831 S 159 55.385 E MAG 40865.2						
	1530	1883.81	186.7	9.9	575.4	8 56.577 S 159 54.439 E MAG 41015						
						Turning at 2:49 to port						
	1600	1888.64	179	9.6	100.5	08 01.762 S 159 54.046 E MAG 41483.1						
	1630	1893.42	171.8	9.4	940.4	09 06.590 S 159 54.792 E MAG 41114.5						
	1700	1898.01	171.7	9.5	727.4	9 11.184 S 159 55.509 E MAG 41125.4						
304	1730	1902.63	170	9.0	677	09 15.702 S 159 56.193 E mag 41141.4						
304	1756					mag + hydrosweep off!						
304	1800	1907.32	170	9.0	602	09 20.368 S 159 56.919 E						
	1816					TSG OFF (Pump)						
304	1945	1913.22	-	-		ALONGSIDE PIER - HONIARA LOADING SECTIONS AND OIL.						
304	2310					LENDERWAY						
	2318	1915				TAKE DEPARTURE - PILOT OFF						
305	0025	1924				Logging on - MAG out - TRANSIT TO 1st OBS PICKUP POINT						
305	0030	1927.75	299	12.4	390	09 16.590 S 159 48.417 E MAG 41156.2						
305	0100	1933.20	303	11.6	669	09 13.290 S 159 43.184 E MAG 40950.5						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
305	1430	2043	—	—	4326	XBT Launch #3						
	1502	2044	304	1.1	4326	09 50.100 S 158 39.348 E						
	1530	2045.19	127	3.1	4326	09 50.004 158 39.297 E						
	1607	2046.51	46	10.7		09 49.906 158 40.106 OBS SAT#2 NOT RECOVERED - did not answer						
	1630	2050.68	47.3	11.3		09 47.155 158 43.187						
	1700	2056.32	049	11.1	4326	09 43.481 S 158 47.439 E						
	1730	2061.29	072	2.9	4326	09 40.643 S 158 51.194 E slowing down for Station #3						
	1736					called OBS#3 successfully, ETA at surface ?						
	1800	2061.75	302	1.3		09 40.428 S 158 51.049 E						
	1830	2062.50	308	1.0		09 40.153 S 158 50.685 E OBS #3 still rising - ETA 30 min.						
	1900	2063.56	132	3.2		09 40.137 S 158 50.604 E						
	1915					OBS #3 on surface 09 40.538 S 158 51.162 E						
	2000	2068	53.0	10.9		09 38 158 52 OBS #3 aboard						
	2030	2073.29	53.0	11.0		09 35.929 158 56.930						
	2100	2078.88	53.5	11.5		09 32.249 159 01.153						
	2110	2080.75	57.3	4.31		09 31.138 159 02.547 ↓						
	2118	2081.11	66.8	1.51		REDUCE SPEED FOR OBS #4 / vessel is STOPPED						
	2130	2081.34	87.5	1.11		09 30.784 159 02.694						
	2200	2081.96	97.5	1.51		09 30.393 159 02.289						
	2230	2083.25	129	2.31	4326	09 30.697 S 159 02.777 E						
	2243	2083.75	228	1.21		09 30.898 159 02.651						
						OBS #4 on deck						
	2300	2086.15	46.4	11.2	4326	09° 29.281 S 159° 04.357 E running up to SAT #5						
	2330	2091.73	53.6	11.1	4326	09 25.975 S 159 08.609 E						
306	0000	2096.55	7	11.6		09 22.538 S 159 13.426 E						
	0009	2099.18	42.1	6.9		09 21.473 S 159 14.441 E THROTTLING BACK						
	0030	2099.75	10.7	0.50		09 21.260 S 159 14.620 E						
	0100	2100.06	11.6	0.6		09 21.216 159 14.572						
	0118	2100.65	292	2.1	—	OBS #5 on board						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
06	0130	2101.60	407	11.3	1842	9° 20.558 S 159 14.975 E						
306	0200	2107.31	1198	11.1	13513	9° 17.071 S 159 19.267 E						
306	0230	2112.99	169	11.2	590	9° 13.370 S 159 23.497 E						
306	0300	2116.47	299	1.6	527	09 11.574 S 159 25.870 E						
	0311	2116.74	289.1	1.1	545	XBT launched, logging turned back on. ETA (XPD no EW95-144)						
	0324	—	—	—	—	VESSEL STOPPED FOR OBS #6						
	0330	2117.53	134	2.0	569	VESSEL CIRCLING SITE OBS 6						
	0342	2117.95	217	1.3	5365	OBS #6 ON BOARD						
	0400	2119.94	413	106	842.4	9° 10.343 S 159° 26.911 E						
	0430	2125.19	51.2	108	1333	9 07.203 S 159 30.999 E						
	0500	2130.52	52.3	105	13703	9 04.037 S 159 34.956 E						
	0530	2134.44	303	1.3	1364	09 01.701 S 159 37.559 E called OBS #7, ETA on surface 17 min.						
306	0600	2136.38	112	5.8	1366	09 01.619 S 159 37.407 E						
	0627	2136.49	257	1.3	1362	OBS #7 on Board						
	0630	2136.55	254	2.5	1360	09 01.856 S 159 37.360 E						
306	0700	2141.43	055	11.1	1319	08 58.952 S 159 40.966 E						
	0730	2147.43	51	11.1	1266	08 55.386 S 159 45.324 E						
	0800	2152.56	52	4.1	570	08 52.102 S 159 49.485 E						
	0803					VESSEL STOPPED, OBS #8 RECOVERY SITE. ETA ON SURFACE 8:30 PM.						
	0830	2153.33	163	0.90	655	08 52.079 S 159 49.217 E						
	0843					OBS #8 on board.						
306	0900	2153.98	045	1.1	555	08 52.045 S 159 49.254 E						
	0909	2154.78	50.1	11.3	415.5	UNDERWAY TO OBS #9						
	0930	2158.70	50	11.7	156	08 48.899 S 159 53.035 E						
	1000	2164.37	51	10.9	82	08 45.248 S 159 57.491 E						
	1020					throttling back for OBS pickup						
	1030	2168.67	48	1.10	1816	08 42.428 S 160 00.817 E						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
306	2230	2246.71	39	11.2	1658	07 53.592 S 140 46.333 E						
	2300	2252.61	40	11.2	2543	07 49.391 S 160 45.716 E						
	2306	2253.57		8.61		slowing down for obs #14						
	2330	2254.38	308	101	3091	07 48.426 S 160 50.449 E						
307	0000	2255.35	0.0	2.41	3141	07 48.322 S 160 50.577 E						
	0030	2258.82	255	1.91	3065	07 47.412 S 160 50.270 E						
	0100	2257.25	356	10.8	3216	07 48.132 S 160 50.638 E						
	0130	2262.96	390	11.5	3262	07 46.105 S 160 54.027 E						
307	0200	2268.71	36.9	11.9	2797	07 39.699 S 160 57.340 E						
	0230	2272.74	302	0.92	2553	07 36.73 160 59.43						
	0300	2273.13	306	0.62	2575	07 36.77 160 59.31						
	0330	2273.91	63.3	0.92	2543	07 36.63 160 59.33						
	0410	2278.13	35.3	11.6	2372	07 33.98 160 01.65 OBS #15 onboard						
	0430	2282.09	35.8	11.8	2159	07 31.02 161 03.85						
	0530	2290.81	123	1.0	1884	07 25.190 S 161 08.406 E						
						RECOVERY SITE OBS #16. VESSEL STOPPED.						
						ETA ON SURFACE 17.15						
	0600	2290.96	126	0.50	1891	07 25.167 S 161 08.216 E						
	0632					OBS #16 on Board.						
	0630	2291.86	226	4.7	1885	07 25.255 S 161 08.345 E						
	0700	2297.48	36	11.5	1742	07 20.681 S 161 11.703 E						
	0730	2303.03	36	11.3	1695	07 16.383 S 161 15.115 E						
	0754					VESSEL STOPPED, OBS #17 SITE.						
	0800	2306.76	81	1.02	1646	07 13.641 S 161 17.243 E						
307	0830	2307.47	042	1.3	1644	07 13.537 S 161 17.124 E						
	0900	2308.25	201	1.3	1647	07 13.797 S 161 17.224 E						
						OBS on Board #17						
	0930	2313.18	34	11.4	1615	07 10.022 S 161 20.052 E						
	1000	2318.91	35	11.4	1621	07 05.513 S 161 23.231 E						
	1024	2323.25		4.61		slowing down for OBS						

[illegible]

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DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
307	2100	2410.91	299.6	4.01	2852	06 58.409 S 160 05.589 E						
	2130	2413.13	300.2	3.91	2882	06 57.458 S 160 03.946 E						
	2200	2415.26	303.3	4.41	2882	06 56.499 S 160 02.408 E						
	2230	2417.44	303.1	4.21	2914	06 55.400 S 160 00.720 E						
	2300	2419.62	-	4.41	2980	06 54.582 S 159 58.971 E						
	2330	2421.95	299	4.11	3036	06 53.573 S 159 57.197 E						
308	0000	2423.84	0.0	2.91	2994	06 52.786 S 159 55.766 E						
	0030	2425.34	302	3.41	2954	06 52.135 S 159 54.727 E						
	0100	2427.32	299	4.31	3010	06 51.326 S 159 53.231 E						
	0130	2429	296	4.41	3131	06 50.383 S 159 51.584 E						
	0200	2431	300	4.31	3128	06 49.433 S 159 49.988 E						
	0230	2433.97	298	4.61	3050	06 48.490 S 159 48.259 E						
	0300	2436.28	299	4.41	3030	06 47.534 S 159 46.497 E						
	0330	2438.50	295	4.61	3040	06 46.57 S 159 44.775 E						
	0400	2440.5	300	3.91	3020	06 45.759 S 159 43.225 E						
	0430	2442.5	289	4.41	2990	06 44.912 S 159 41.714 E						
	0500	2444.63	298	4.41	3002	06 44.081 S 159 40.027 E						
308	0530	2446.65	305	4.01	2911	06 43.160 S 159 38.520 E streamer party still going on!						
308	0600	2448.66	302	4.01	2808	06 42.226 S 159 37.057 E						
	0630	2450.69	304	3.70	2802	06 41.373 S 159 35.590						
	0700	2452.61	298	3.81	2787	06 40.473 S 159 34.127						
308	0730	2454.75	300	4.1	2780	06 39.556 S 159 32.517 E						
308	0748					GPS display down briefly						
308	0800	2457.05	306	3.9	2773	06 38.577 S 159 30.772 E						
308	0830	2459.28	304	4.6	2764	06 37.524 S 159 29.188 E						
	0900	2461.50	309	4.1	2731	06 36.359 S 159 27.583 E (TURNED AROUND)						
	0930	2463.33	124	5.0	2721	06 36.451 S 159 29.168 E to SOL WP						
	1000	2465.98	116	4.3	2742	06 37.817 S 159 31.363 E						
	1030	2468.29	119	5.0	2743	06 38.978 S 159 33.551						
	1053					STREAMER DEPLOYED / MAGGY DEPLOYED - LOOKING						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	SWP	DEL/LO	SWP	DEL/LO
308	1600	2493.38	2453	4.7	3950.1	6°57.661'S 159°31.627'E MAG 39969.3						
	1630	2495.67	243.3	4.9	4045.0	6°59.639'S 159°30.346'E MAG 39967.0						
	1634					begin c/c reverse cse to work on streamer						
	1700	2498	11.7	4.9	4029	6°59.043 S 159°29.703 E MAG 39982.6						
308	1709					22 shots w/ all 156 channels, then streamer						
						crashed again						
308	1717					shutting guns off						
308	1730	2500.47	4.9	033	3923	06 57.701 S 159 30.946 E						
	1800	2502.45	33	2.3	3771	06°55.578 S 159°31.909 E MAG 39943.5						
	1830	2504.47	33	4.7	3667	06°53.926 S 159°33.021 E MAG 39943.1						
	1834					SOL: SOL20tes after removing the 1st section						
	1840	2506.73	31	5.0	3362	SH#101 FILE#1.						
	1900	2506.73	31	5.0	3362	06°52.071 S 159°34.173 E MAG 39946.2						
	1921					PULLING GUN #10						
	1930	2508.99	31	4.6	3240	06°50.261 S 159°35.234 E MAG 39949.9						
	1953					GUN #10 back in the water						
	2000	2511.27	33	4.3	3174	06 48.641 S 159.36.333 E STOPPED GUNS						
	2030	2513.44	23	4.5	3092	6 46.61 S 159 37.47 E GUNS STOPPED						
	2100	2515.78	33	4.5	3061	6 44.808 S 159.38.733 E MAG 39950.2						
	2110					changed cse to 110 to turn into sea						
						in order to recover streamer						
	2130	2518.13	105	4.4	2220	06 44.377 S 159.40.71 E						
	2200	2520.50	110	4.9	2969	06.45.223 S 159.43.180 E						
	2230	2522.89	113	4.8	3005	06 46.178 S 159 45.420 E						
	2300	2525.23	113	4.8	3005	06 47.110 S 159 47.731 E						
	2307					Reduce speed to 2.5 kts to bring in cable						
	2330	2526.80	107	2.6	3009	Bringing in cable						
	2350					Increase speed to 3.0 kts to raise end of cable						
	0000	2528.13	112	3.4	3034							
	0030	2529.41	112	3.4	3037	06 49.198 S 159 52.215 E						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
209	1130	2578.36	215	4.6	4030	7 02.160S 159 28.629E						
310	0000	2580.73	213	4.8	4024	7 04.363S 159 27.279E						
	1200											
	1230	2583.00	213	4.5	4012	7 06.605S 159 25.787E						
309	1800	2585.44	215	4.7	3004	07 08.831S 159 24.285E						
	1330	2587.77	211.9	4.5	1868.3	07 11.091S 159 22.848E						
	1400	2590.15	211	4.7	1930	07 13.375S 159 21.387E						
	1430	2592.57	213.2	5.0	2104.2	7 15.605S 159 19.700E						
	1500	2595.02	212	4.9	2734	7 17.866S 159 18.410E						
						1427 & 1428 These files may be bad.						
	1530	2597	212	4.8	2072	7 20.195S 159 16.882E						
	1555					Peters program problem.						
						Last shot 1570						
	1600	2599.95	212.7	4.9	2150	7 22.515S 159 15.358E						
	1605					Peters prog. disabled						
	1630	2602	213	4.8	2500	7 24.824S 159 13.873E						
						shot 1663 not recorded due to acquisition errors.						
309	1700	2604.74	211	5.3	2152	07 27.097S 159 12.412E						
	1730	2607.28	210	4.8	2402	07 29.423S 159 10.948E						
	1755					1944 CESA: TB not received within 1000 MC of NC						
						1944 shot not recorded due to acquisition error (s)						
	1800	2609.58	215	4.7	2406	07 31.620S 159 09.413E						
	1830	2611.93	210	4.8	2228	07 33.706S 159 08.114E						
	1834					2040 : S@TP - error 84						
						2039 This file may be bad!						
						2039 This navlog record may be bad!						
						2070 recording tape unit #3 not at BOT						
	1900	2614.25	214	4.7	2246	07 35.694S 159 06.650E						
	1930	2616.63	213	5.0	2268	07 37.670S 159 05.870E						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
309	1921					2202 SQTP error .84						
						2201 This file may be bad 1						
						2201 this Navlog record May be bad 1						
309	1937					FAD (fishing device) in water - going around it						
	2000	2619.03	208	4.9	2039	07° 39.768 S 159° 04.339 E						
	2030	2641.24	215	4.9	1296	07 41.750 S 159 02.566 E						
	2100	2623.83	214	5.1	553	07 43.773 S 159. 07. 514 E						
	2107					begin turning for line 21						
	2130	2626.29	307	5.1	387	07.43.434 S, 158 59.413 E						
309	2142					SOL 21						
	2200	2628.73	312	4.8	765	07 41.601 S, 158 57.469 E						
	2221					GPS is no good (Trimble nav source)						
	2230	2631.11	0.0	4.8	990	07.59.777 S 158-55.446 E						
	2231					GPS is no good (Trimble nav source)						
	2245					228 this file may be bad						
						228 navlog record may be bad						
	2300	2633.87	313	4.6	986	07.37.966 S 158.53.451 E						
	2312					GPS in no good. (Trimble nav source)						
	2330	2635.82	315	4.8	707	07.36.113 S 158.51.558 E						
	2357					510 CSEA: TB not recorded within 100 ms of NC						
310	0000	2638.11	0.0	4.7	507	07.34.308 S 158.49.555 E						
	2359					512 SLIC data not received 17167ms after NC						
	0005											
	0030	2640.47	314	4.7	1174	07.32.403 S 158.47.528 E						
	0100	2642.79	312	4.8	1014	07.30.519 S 158-45.576 E						
	0108					Turning at 0135-bridge.						
	0130	2645	312	4.9	1125	07 28.163 S 158 43.487 E						
	0135					Starting turn.						
	0137					EOL #21 7°28.136'S 158.42.989'E						
	0149					G#10 stop						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
310	0143					BOL #22 recording start						
	0146	2646.56				7° 27.376'S 158° 43.029'E						
	0148	2646.74				7° 27.209'S 158° 43.104'E turning finished						
	0200	2647.61	22.6	4.3	1590.3	7° 26.318'S 158° 43.898'E Gun#10 start						
	0230	2649.82	27.7	4.5	1790.3	7° 26.206'S 158° 44.638'E						
	0249	2651.35	28.7	4.8	1776.3	Gun#1 stop 7° 22.749'S 158° 45.832'E						
	0250					Gun#1 start						
	0252					Gun#1 stop						
	0300	2652.14	28.0	4.8	1782.3	7° 21.934'S 158° 45.847'E						
	0309					??? For some data from node 2, nocode=0, size=36 ???						
	0314					374 SQTTP-error 84						
						373 This file may be bad!						
						373 this navlog record may be bad!						
						374 recording: tape unit 3 not at BOT						
	0330	2654	29.7	4.7	1194	07 19.604S 158 17.129E						
	0340					Gun No. 1 shutdown for repairs. 7373 6.374 files maybe bad						
	0400	2656.81	26.4	4.6	1483	07 17.285S 158 48.303E 03:47						
	0430	2659.19	26.8	4.9	2280	07 14.864S 158 49.533E						
	0500	2661	29.2	4.8	2214	07 12.444S 158 50.752E						
	0530	2663.91	29	4.7	1974	07° 09.968 S 158° 52.114E						
	0600	2666.28	26	4.7	2338	07 07.490S 158 53 428 E						
310	0620					Gun#1 back in water						
	0630	2668.60	27	4.9	2525	07 05.068 S 158 54.652 E						
	0645					998 SQTTP - Error 84						
						998 This file may be bad!						
						998 this navlog record may be bad!						
						999 recording: tape unit #2 not at BOT.						
	0657					1042 CSSA = TB not received within 1000 ms of NC						
	0700	2670.94	27	4.6	2612	07 07.637 S 158 59.986 E						
	0730	2672.19	35	4.4	1760	0700 312 S 158 57.196 E						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
310	0800	2675.44	27	4.6	1900	06° 57.855 S 158° 58.479 E						
	0820	2677.65	26	4.4	19600	06 55.405 S 158 53.716 E						
	0800	2679.76	23	4.6	2557	06 53.048 S 158 00.545 E						
	0930	2682.28	26.7	5.0	3570	06 50.6548 S 158 02.219 E						
	1000	2684.69	27.9	4.6	3856	06 48.162 S 159 03.516 E						
	1030	2687.07	27.9	4.6	3791	06 45.768 S 159 04.839 E						
	1100	2689.43	26.1	4.7	3655	06 43.405 S 159 06.043 E						
	1130	2691.83	25.7	4.8	3520	06 41.110 S 159 07.190 E						
	1200	2694.20	27.4	5.1	3334	06 38.820 S 159 08.375 E						
	1230	2696.66	28.1	4.9	3168	06 36.552 S 159 09.663 E						
	1240					starting turn SOL 22 → SOL 23.						
	1250					turning finished.						
	1256					GPS is degraded. (TRIMBLE NAV SOURCE)						
	1258=08					SOL 23 recording start.						
	1300	2699.10	0.0	5.2	3063	06.34.911 S, 159.009.159 E.						
	1330	2701.71	293	5.2	3142	06 34.058 S 159 07.171 E						
	1349					??? Rcv some data from node 2. op code=0, size=10 ???						
	1400	2704.32	294.6	5.1	3047.1	6° 33.135' S 159° 05.18' E.						
	1430	2706	292	5.1	3102	6 32.273 S 159 03.119 E						
						Had to reboot CEO - lines 7514 752						
						measure of start/and times.						
	1500	2709.56	294.5	5.5	3184.1	6° 31.328' S 159° 01.029' E.						
	1530	2712.15	294.5	5.1	3325.1	6° 30.407' S 158° 59.028' E.						
	1600	2714.76	295	5.0	3233.1	6° 29.454' S 158° 56.889' E						
	1630	2717.34	293	5.3	3223.1	6° 28.537' S 158° 54.795' E						
	1700	2719.43	294	5.1	3205.1	6° 27.570' S 158° 52.612' E.						
	1730	2722.27	292	5.2	3193	06° 26.600 S 158 50.470 E						
	1731					920 Slic data not received 17122 N6 after 12						
						920 CESA: TB not received within 1000 use of N2						
						920 Shot not recorded due to acquisition error (S)						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	SWP	DEL/LO	SWP	DEL/LO
310	1800	2725.00	254	5.1	3172	06 25. 670 S 158 48. 352 E						
	1830	2727.55	285	5.2	3066	06 24. 743 E 158 46. 250 E						
	1900	2730.11	297	5.2	3062	06 23. 785 S 158 44. 762 E						
310	1919					started turn						
310	1927					EOL 23						
310	1930	2732.65	217	4.2	3077	06 23.530 S 158 42.206 E, finished turn						
310	1940					System crash - stopped shooting						
310	2000	2735.20	205	4.5	3186	06 25. 577 S 158 41.168 E						
310	2004					started shooting again						
310	2006					SOL 24						
310	2015					gun #18 not firing, pulling it out of water						
310	2030	2738.74	201	5.1	3297	06 27. 661 S 158.40. 208 E						
310	2037					GPS display down briefly						
310	2054					gun #18 back on						
	2100	2740.36	204	5.2	3419	06 29. 761 S 158 39.161 E						
	2130	2742.90	206	5.1	3549	06 31. 768 S 158.38. 171 E						
	2200	2745.44	208	5.2	3705	06.33. 818 S 158.37. 172 E						
	2230	2747.98	205	5.3	3753	06 35. 801 S 158 36.245 E						
	2300	2750.55	206	5.3	3757	06 37.833 S 158 35.259 E						
	2311					GPS is no good. (Trimble nav source)						
	2319					685 Shot not recorded due to acquisition errors						
	2330	2753.13	0.0	5.3	3731	06.39. 926 S 158.34. 278 E.						
311	0000	2755.72	0.0	5.3	2920	06.42. 030 S 158.33. 274 E						
	0030	2758.27	0.0	5.0	2851	06.44. 173 S 158.32. 186 E						
	0053					968 SQTP - error 84						
						968 This file may be bad!						
						969 reording: tape unit 2 not at BOT.						
	0100	2760.80	206	4.8	2921	06.46. 278 S 158.31. 177 E.						
	0109					1016 SQTP - error 84						
						1015 This file may be bad!						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
311	0901	2799.89	289	5.0	360.3	07 20.149 S 158 12.249 E MAG 40269.4						
	0903					gun #4 back on						
	0911					gun #10 back.						
	0930	2802.11	-	4.4	409.6	07 19.202 S 158 10.277 E (MK 4200 Nav Source, Trimble 1 solomon) MAG 40285.6						
	1000	2804.42	293	4.5	292	07 18.121 S 158 07.547 E MAG 40294.1						
	1015					Got PLABEL msg from CSRU						
	1030	2806.72	290	4.4	403	07 17.122 S 158 04.953 E MAG 40327.6						
	1043					#457 CSSA: TB not received within 1000 ms of NC						
						#457 shot not recorded due to acquisition error(s)						
	1100	2809.02	294	4.7	586	07 16.062 S 158 02.537 E MAG 40337.5						
	1130	2811.53	293	4.9	455	07 15.005 S 157 59.985 E MAG 40316.0						
	1138					shot #62 ??? Rcv some data from node 2, opcode=3081, size=10						
	1143					shot #63 Rcv some data from node 2, opcode=0, size=36						
	1200	2813.92	292	5.0	369	07 13.950 S 157 57.336 E MAG 40311.5						
	1230	2816.31	293	4.7	573	07 12 880 157 54 801 MAG 40310.8						
	1237					shot #796. Gun #10 is stop.						
	1238					starting turn SOL 25 \Rightarrow SOL 26						
	1248					finished turn.						
	1249					SOL 26 07 11.662 S 157 53.785 E						
	125437					shot #116. Gun #10 is shooting stars						
	1300	2818.73	16.6	4.6	1044.	07 11.015 S 157 54.051 E MAG 40302.8						
	1306					True Time clock time out (RLOPRT)						
						151 CSSA: TB not received within 1000 ms of NC						
	1330	2821.10	21.6	4.6	1455.3	7° 08.662 S 157° 55.059 E						
						249 SQTP - error 84						
						218 This file may be bad!						
						218 this navlog record may be bad!						
						219 recording! tape unit 3 not at BOT						
	1400	2822.83	23.8	4.5	1413.3	7° 06.366 S 157° 56.051 E						
	1430	2825.79	23.5	4.5	2229.2	7° 04.077 S 157° 57.042 E MAG 4030.8						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO HI	SWP	DEL/LO HI	SWP	DEL/LO HI
311	1500	2828	21.9	4.6	2267	07 1.617 S 157 58.074 E MAG 40222						
	1530	2830.50	21.7	4.8	2278.2	7 6.59.284 S 157 59.026 E MAG 40224.6						
	1531					587 S&TP - error 84						
						587 This file may be bad!						
						587 this navlog record may be bad!						
						588 recording: tape unit 2 not at BOT						
	1600	2832.86	20.8	4.6	1803.3	6 58.830 S 157 59.997 E MAG 40142.9						
	1630	2835.13	22.3	4.8	1968.3	6 54.406 S 158 01.002 E MAG 40027.2						
	1700	2837.47	22.1	5.0	3285.1	6 51.794 S 158 02.051 E MAG 40126.6						
	1730	2839.84	22	4.6	3344	6 49.239 S 158 03.112 E MAG 40021.4						
	1800	2842.24	23	4.9	3101	6 46.761 S 158 04.169 E MAG 39874.0						
						1014 S&TP ERROR 84						
						1013 This file may be bad!						
						1013 This navlog record may be bad.						
	1830	2844.67	21	4.7	2478	06 44.315 S 158 05.115 E mag 399178						
	1900	2847.13	20	5.2	3345	06 41.513 S 158 06.092 E mag 40030.5						
	1930	2849.55	22	4.9	3322	06 39.474 S 158 07.035 E mag 40021.8						
	2000	2851.99	19	4.8	3312	06 37.081 S 158 08.123 E mag 40016.5						
						1394 S&TP. error 84						
						1393 This file may be bad						
						1393 this navlog record may be bad						
						1394 S&TP error 84						
						1394 This file may be bad						
						1394 this navlog record may be bad!						
						1395 recording: tape unit 2 not at BOT						
						1395 S&TP error 84						
						1395 This file may be bad						
						1395 this navlog record may be bad						
						1396 recording: tape unit 2 not at BOT						
	2030	2854.28	19	4.8	3261	06 34.871 S 158 08.984 E MAG 40032.4						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO HI	SWP	DEL/LO HI	SWP	DEL/LO HI
311	2035					1491 SOTP - error 84						
						1491 This file may be bad!						
						1491 this navlos record maybe bad!						
						1492 recording : tape unit #3 not a + BOT						
	2100	2856.72	21	4.9	3240	06 82.851 S 158 08.858 E MAG 39554.6.						
	2130	2859.11	25.9	4.7	3101	06 30.163 S 158 10.959 E MAG 39905.5						
	2148					1715 SLIC data NOT received 17169 ms after NC.						
	2200	2861.41	22.2	4.7	3020	06 27.875 S 158 11.866 E MAG 39813.5						
	2230	2863.65	21.6	4.6	2760	06.25.660 S 158 12.721 E MAG 39801.5						
	2300	2866.24	21.0	4.7	3494	06.23.377 S 158.13.052 E MAG 39822.3						
	2330	2868.59	21.1	4.7	3415	06.21.116 S 158.14.551 E MAG 39773.0						
312	0000	2870.97	0.0	4.8	3360	06-18.715 S 158.15.557 E MAG 39804.6						
	0030	2873.33	21.5	4.5	3257	06-16.553 S 158.16.470 E MAG 39824.4						
	0100	2875.68	26.5	5.0	3132	06.14.455 S 158.17.407 E MAG 39792.1						
	0107					EOL #26. 06°13.684'S 158°17.574'E.						
	0115					finished turning 0°13.314'S 158°17.45'E.						
	0127					All guns back online						
	0130	2878.71	292	5.1	3088.1	06 12.859 S 158 16.074 E						
	0200	2880.74	293	4.7	3136.1	6°11.956'S 158°13.921'E MAG 39755.3						
	0200											
	0230	2883.21	294.3	4.8	3117.1	6°11.072'S 158°11.744'E MAG 39755.7						
	0300	2885.65	292.2	4.7	3113.1	6°10.201'S 158°09.609'E MAG 39735.7						
	0333	2888.41	293.14.8	3089.1		6°09.255'S 158°07.293'E MAG 39719.9						
						524 SLIC data NOT received 17167 ms after NC.						
	0341					??? Rcv same data from node 2, opcode = size = 36 ???						
	0352					Gun No #16 out of water.						
	0400	2890.59	292.7	5.0	3088.1	6°08.507'S 158°05.454'E MAG 39704.6						
	0412					??? Rcv same data from node 2, opcode = size = 10 ???						
	0429					Gun #16 starts shooting.						
	0430	2893.11	292.0	5.1	3111.1	6°07.665'S 158°02.349'E MAG 39700.3						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO HI	SWP	DEL/LO HI	SWP	DEL/LO HI
3/2	0500	2895.65	2928	5.2	3113.1	6° 06.781'S 158° 01.246'E MAG 39774.1						
	0514					823: SLIC data NOT received 17172 MG after	NE.					
	0530	2898.14	2924	5.1	3060	6° 05.903'S 157° 59.072'E MAG 39708.9						
	0600	2890.60	2911	4.8	3000	6° 05.055'S 157° 56.965'E MAG 39729.9						
	0630	2903.09	2899	5.1	2975	6° 04.187'S 157° 54.772'E MAG 39702.5						
	0700	2905.5	2913	4.9	2939	6° 03.264'S 157° 52.517'E MAG 39612.5						
	0715					??? Rcv some data from node 2, opcode=0, size=36 ???						
	0725					Start turning. EOL 27						
	0730	2908.06	245	4.9	2947	06 02.716'S 157° 50.351'E						
3/2	0737					SOL 28						
	0742					stop turning						
	0800	2910.30	199	4.9	2977	06 04.917'S 157° 49.397'E MAG 39783						
	0830	2912.72	203	4.9	2984	06 07.349'S 157° 48.324'E MAG 39870						
	0826					??? Rcv some data from node 2, opcode=0, size=36 ???						
	0852					324 SLIC data NOT received 17167 MS after NC						
	0900	2915.14	202	4.6	2883	06 09.657'S 157° 47.301'E MAG 39819.2						
	0930	2917.51	205	4.6	2966	06 11.958'S 157° 46.409'E MAG 39811.1						
	0937					gun 3 turned off for repairs						
	0946					shot #447 SOTP- error 84						
						shot #496 This file may be bad!						
						#496 this navlog record may be bad						
	0950					#501 above three message						
						#502 loading = tape unit 3 not at BOT						
						#508 #509 Abuse messages appended!						
	1000	2919.89	201	4.6	3121	06 14.248'S 157° 45.425'E MAG 39815.4						
	1019					GUN#3 back on						
	1030	2922.28	204	4.6	3148	06 16.524'S 157° 44.247'E MAG 39777.7						
	1100	2924.57	202	4.4	3172	06 18.754'S 157° 43.485'E MAG 39729.1						
	1130	2926.88	204	4.5	3203	06 20.980'S 157° 42.504'E MAG 39828.3						
	1200	2929.19	203	4.5	3228	06 23.174'S 157° 41.597'E MAG 39943.7						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
312	1230	2931.51	203	4.7	3281	06 25.335 S 157 40.644 E MAG 39919.7						
	1300	2933.83	201	4.7	3317	06 27.545 S 157 39.172 E MAG 39891.6						
	1330	2936.23	202	4.7	3361.1	06 29.171 S 157 38.789 E MAG 39876.9						
	1400	2938.60	202	4.6	3432.1	06 32.007 S 157 37.837 E MAG 39888.8						
	1408					Got PLABEL msg from CSRU (CEO)						
	1430	2941.00	202	4.5	3476.1	06 34.222 S 157 36.931 E MAG 39960.5						
	1500	2943.38	205	4.7	3491.1	06 36.402 S 157 25.968 E MAG 40009.8						
	1530	2945.75	222	5.3	3504.1	06 38.587 S 157 35.007 E MAG 40016.1						
	1537					??? Rev some data from node 2, opcode=0, size=10 ???						
						CSRU: gpts checksum error from ELIC (CEO)						
	1600	2948.17	205	4.7	3501.1	06 40.721 S 157 34.003 E MAG 40052.7						
	1602					1614 SLIC data NOT received 17161 ms after NC						
	1609					Got PLABEL msg from CSRU (CEO)						
	1630	2950.55	203	5.0	3509.1	06 42.885 S 157 33.079 E MAG 40090.7						
	1700	2952.92	201	4.6	3501.1	06 45.008 S 157 32.238 E MAG 40154.1						
312	~1715					Stopped shooting from 1658 to 1712z -						
						system crashed for unknown reason -						
	1724					back on now						
	1720					0 SLIC data not received 17175 ms after NC						
						0 CSSA: TB not received within 1000 ms of NC						
						0 shot not recorded due to acquisition error(s)						
	1730	2955.33	206	4.9	2988	06 47.157 S 157 31.310 E MAG 40148.6						
	1754					1908 SLIC data not received 17175 ms after NC						
						1908 CSSA: TB not received within 1000 ms of NC						
						1908 shot not recorded due to acquisition error(s)						
	1753-1801					CEO display not updating						
	1827					2010 SLIC data not received 17173 ms after NC						
						2010 CSSA: TB not received within 1000 ms of NC						
						2010 shot not recorded due to acquisition error						
	1830	2960.03	204	4.5	3019	06 51.330 S 157 29.435 E MAG 40142.7						

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
313	0200	2996.55	317	5.3	868	06.55.316S, 157.09.881E MAG 40263.8						
	0204:29					Gun #9 (shot #708) shooting westward.						
	0206					EOL - SOL 29 starting turn SOL 29 \Rightarrow SOL 30						
	0208					Gun #11 stop.						
	0217					SOL 29 start - Gun #3 and #10 stopped. (TAGS)						
0218	2998.16	3026	5.2	1212.3	6' 54.928'S 157' 08.573'E MAG 40283.0							
	0221					112 SQT - error 84 (CSRU)						
						112 This file may be bad! (CSRU)						
						112 this navlog record may be bad! (SRU)						
						113 recording: tape unit 2 not at BOT (CSRU).						
0230	2999.08	294.5	5.2	1292.3	6' 54.023'S 157' 07.780'E MAG 40221.7							
0241						??? Recv same data from node 2, opcode = 2031, size = 36??? (CEO)						
0253						Gun #10 start (TAGS).						
0254						210 SQT - error 84 (CSRU)						
						210 This file may be bad! (CSRU)						
						211 recording: Tape unit 3 not at BOT (CSRU)						
0300	3001.71	296.3	5.3	1345.3	6' 52.834'S 157' 05.299'E MAG 40127.9							
0312						CSRU: gpts checksum error from ELIC (CEO)						
0330	3004.39	296.4	5.2	1170.3	6' 51.649'S 157' 02.983'E MAG 40137.6							
0337						340 SLIC data NOT received 17165 ms after NC (SRU)						
0400	3007.06	296.4	5.3			Gun #3 start						
0400	3007.06	296.4	5.3	1078.3	6' 50.529'S 157' 00.700'E MAG 40177.4							
0401						Gun #8 leaking - turned off						
0430	3007.77	295	5.5	1028	6' 49.362S 156 58.312E							
0438						Turning at 16:34 local time.						
0446						putting gun #8 back in, pulling #16 out						
0500						340 SLIC data NOT received 17165 ms after NC						
						586 SQT - error 84						
						586 This file may be bad!						
						586 this navlog record may be bad!						

[illegible]

1290 SLC data NOT received 17163 ms after A/C (CSRU)

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO HI	SWP	DEL/LO HI	SWP	DEL/LO HI
314	1230	3167.11	150	5.0	1338	07.22.993 S 156.35.899 E MAG 40567.9						
	1300	3169.56	149	4.9	1281	07.25.095 S 156.37.102 E MAG 40600.0						
	1309					1567 SLIC data NOT received 17181 ms after	NC					
	1324					1613 SQTP-error 84						
						1612 This file may be bad!						
						1612 this navlog record may be bad!						
						1613 recording: tape unit 2 not at BOT.						
						1613 SQTP-error 84						
						1613 This file may be bad!						
						1613 this navlog record may be bad!						
						1614 recording: tape unit 2 not at BOT						
						1615 SQTP-error 84						
						1614 This file may be bad!						
						1614 this navlog record may be bad!						
	1330	3171.90	151	4.8	124.3	7° 27.065'S 156° 38.214'E MAG 40603.7						
	1400	3174.38	148	4.6	1156.3	7° 28.935'S 156° 39.294'E MAG 40621.0						
	1430	3176.85	151	5.0	1045.3	7° 30.819'S 156° 40.385'E MAG 40723.2						
	1500	3179.46	151	5.1	1013.3	7° 32.878'S 156° 41.497'E MAG 40863.3						
	1530	3182	147.2	5.1	887.4	7 34.899S 156 42.739E MAG 40864.5						
	1600	3184	148.6	5.4	826.4	7 36.091S 156 43.941E MAG 40760.8						
	1630	3187	152.5	5.0	569.2	7 38.846S 156 44.990E MAG 40601.5						
314	1700	3189.65	150	4.6	471	07 40.908 S 156 46.188 E						
						Guns stopped firing 17:01						
314	1708					shooting again, didn't shoot from 1700 to 1708Z						
314	1719					Peter's program down						
314	1730	3192.15	147	5.2	326	07 43.035S 156 47.472E mag 40951.2						
314	1752					EOL 33						
314	1800	3194.71	159	5.5	463	07 45.526S 156 48.702E mag 40665.6						
314	1801					SOL 34						
314	1824					nothing recorded on reel #988						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
314	1830	3197.08	157	4.9	518	07°47.936 S 156°49.761 E MAG 40451.6						
	1824?					172 recording - tape unit 2 not ready						
						173 Tape drive not ready, bud file, drives						
						173 SOTP - not ready						
						174 This file may be bad						
						174 This navlog record may be bad						
314	1900	3199.42	156	5.6	526	07 50.252 S 156 50.817 E mag 40452.8						
314	1930	3201.79	155	5.1	557	07 52.478 S 156 51.943 E mag 40538.8						
314	1949					??? Rcv some data from node 2, opcode = 1, size = 36						
314	2000	3204.08	156	4.9	563	07 54.784 S 156 52.907 E mag 40676.2						
	2020	3206.30	166	4.7	457	07 57.042 S 156 53.926 E mag 40653.5						
	2059					Gun #12 fixed, back in the water. start shooting.						
	2100	3208.77	156	4.6	397	07 59.249 S 156 54.966 E mag 40729.4						
	2112											
	2130	3211.13	157	4.6	288	08.01.501 S 156.55.951 E MAG 40825.8						
	2131	3211.24			285	Small course change 08 01.583 S 156 56.002 E						
	2200	3213.52	145	4.7	260	08.03.614 S 156.57.447 E MAG 40905.7.						
	2214					Starting to turn 08.04.593 S 156.58.171 E Gun #10 stop.						
	2230	3215.95	198	4.8	361	08.05.846 S 156.57.765 E MAG 41125.5						
	2300	3218.43	207	4.9	341	08.08.124 S 156.56.611 E MAG 40861.8						
	2318					True time clock out.						
						1056 CSSA = TB not received within 1000 ms of INC.						
	2320	3220.81	211	4.3	403	08 10.359 S 155 56.279 E MAG 40968.4						
	2350					Gun #1 stop.						
	2359					Starting turn 08 12.486 S 156 54.019 E Gun #11 stop.						
315	0000	3223.20	00	4.8	717	08 12.532 S 156 53.999 E MAG 40908.7						
	0010					Finished turn & increasing speed to 5 knots						
	0030	3225.61	118	4.9	598	08 13.137 S 156.55.889 E MAG 40891.8						
						14.000						
	0040					gun #1 back in water 08 14.501 S 156 56.709 E						

[illegible]

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
3/5	0500	3246.83	148.0	4.9	626.8	08° 25.844'S 157° 14.650'E MAG 40598.1						
315	0530	3249.28	210	5.0	726	08 28.026S 157 13.348E system down since EOL 35						
315	0600	3251.72	212	4.8	471	08° 30.277S 157° 12.055E MAG 41003.4						
315	0604					SOL 36						
315	0608					turning around to go back to waypoint						
						gun #10 not firing						
315	0625					finished turn to head back to waypoint - should be ~1 hr to next turn						
315	0630	3254.38	10	5.1	627	08 29.790S 157 11.884E MAG 40986.3						
	0651					0640 ETA TO WAYPOINT AND TURN AROUND.						
	0700	3256.63	10	4.9	824	08° 30.279S 157° 10.894E MAG 40654.3						
	7:07					Gun #10 fixed. back in the water						
	0730	3259.02	10	4.5	992	08° 25.935S 157° 13.507E MAG 40751.4						
	0738					start turning. , EOL 36						
315	0800	3261.54	216	5.5	822	08 26.630S 157 14.184E mag 40656.4						
315	0803					SOL 37b						
315	0830	3264.03	209	4.6	586	08° 28.880S 157° 12.834E MAG 40833.4						
315	0900	3266.26	210	4.8	540	08° 30.869S 157° 11.524E MAG 40896.4						
	0908 ~ 0909					System down. but recovered automatically.						
	0916	68				Gun #7 stop.						
	0930	3266.66	215	4.7	874	08° 32.940S 157° 10.122E MAG 40936.6						
	0942					System down again. EOL 37b. System check.						
	1000	3270.94	212	4.4	1381	08. 34.967S 157.08.829E MAG 41188.7						
	1006					Speed down to 3.5 knots.						
	1030	3272.85	215	3.7	2149	08° 36.524S 157° 07.1769 E MAG 41158.7						
	1100	2274.78	20	4.0	2854	08° 38.233S 157.06.782E MAG 41298.8						
	1130	3276.77	217	5.1	3290	08° 39.866S 157.05.665E MAG 41502.7						
	1128 ←					Trinble nav source is stop. since this time.						
	1141	3277.94	20	4.5	3430	08° 39.382S 157.04.759E MAG 41529.0						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP DEL	LO HI	SWP DEL	LO HI	SWP DEL	LO HI
315	1145					Finished turn. 08.39.8042 S. 157.04.835 E.						
	1200	3279.89	33	4.6	2987	08.38.057 S, 157.05.469 E MAG 41307.9						
	1210					System panic.						
	1211:43					recovered automatically.						
	1220:24					System panic.						
	1221:24					Successfully recovered.						
	1225:24					System panic.						
	1228:04					Successfully recovered.						
	1230	3281.81	32	5.0	2269.	08.36.021 S 157.06.765 E MAG 41145.7.						
	1229:04					System panic.						
	1232:44					Successfully recovered.						
	1234:25					System panic.						
	1238.25					Successfully recovered.						
	1239:05					System panic.						
	1245:00											
	1240:45					Successfully recovered.						
	1242:05					System panic.						
	1243:45					Successfully recovered.						
	1244:05					System panic.						
	1245:05					Successfully recovered.						
	1247:05					System panic.						
	1250:05					Successfully recovered.						
						System panic.						
	1300	3284	358	4.9	1235	08 31.0535 157 08.181 E MAG 41134						
	1258					Test recording start.						
	1307					System panic.						
	1308					Successfully recovered.						
	1309					Turn at 14:11 GMT						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO HI	SWP	DEL/LO HI	SWP	DEL/LO HI
315	1904					streamer crashed & rebuilt						
315	1907					SOL 37f !!!						
315	1916					stopped shooting to reboot gun control						
315	1930	3312.95	204	4.5	2915	08 41.947S 157 04.437E mag 41609.4						
	~1927					all guns firing						
	1938					?? Rcv some data from node 2, opcode=3136, size=56 ???						
315	2000	3315.19	211	4.7	1671	08°43.824S 157°03.153E MAG 41348.8						
315	2030	3317.48	216	4.7	1258	08°45.708S 157°01.974E MAG 40888.0						
	2057					start turn 0847.527S 157 00.844E						
315	2117	3321.17	147	4.4	2810	finish turn 0848.661S, 157.01.141E MAG 41302.9						
315	2125					SOL 38 recording start						
	2130	3322.04	109	4.1	2812	08.48.929S 157.01.956E, MAG 41320.8						
	2200	3324.35	124	5.3	3100	08.50.070S 157.03.712E MAG 41372.9						
	2210					240 CSSA=TB not received within 1000 us of NC.						
	2230	3326.69	122	4.1	2789	08.51.161S 157.05.537E MAG 41274.9						
	2300	3328.97	123	4.7	2327	08.52.232S 157 07.256E MAG 41143.1						
	2330	3331.28	124	4.4	2331	0853.342S 157 09.008E MAG 41234.0						
316	0000	3333.63	0.0	4.8	2783	0854.445S 157 10.822E MAG 41481.4						
	0030	3335.84	122	4.6	3267	08 55540S 157 12.502E MAG 41643.1						
	0100	3338.06	123	4.7	3703	08.56.622S 157.14.301E MAG 41736.7.						
						12:34 turning.						
	0130	3340.34	120.9	3.7	3844.1	8°57'777'S 157°16.144'E MAG 41713.0						
	0133	3340.45	117.5	4.3	3860.1	8°57'922'S 157°16.456'E MAG 41702.0						
	0145					SOL 39 recording start. (not shooting)						
	0153					shooting start (Gun #17 out of water)						
	0154	3342.30	41.9	5.3	3882.1	8°57'161'S 157°17.554'E MAG 41741.2						
	0200	3342.74	20.7	4.3	3900.1	8°56.702'S 157°17.164'E MAG 41721.2						
	0210					178 recording: tape unit 2 not ready						
						179 Tape drive not ready, bad file, drivers switched.						
						180 This file may be bad.						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
316	27					180 this navlog record may be bad!						
	0228					Gun #17 start						
	0230	3344.94	33.2	4.8	3930.1	8°54.796'S 157°18.905'E MAG 41537.5						
	0300	3347.23	32.0	4.1	3856.1	8°52.888'S 157°20.12'E MAG 41263.6						
	0310					??? Rev some data from node 2, opcode=0, size=36 ???						
	0330	3349.58	26.6	3.7	3113.1	8°50.829'S 157°21.329'E MAG 40984.8						
	0400	3351.86	33.6	4.9	2573.2	8°48.938'S 157°22.532'E MAG 41081.3						
	0430	3354.16	32.6	4.6	1311.3	8°47.099'S 157°23.725'E MAG 41280.8						
	0500	3356.53	36.0	4.7	456.2	8°45.291'S 157°25.052'E MAG 41366.0						
	0504					started turn EOL 39.						
						navtape #50 , Reel no # 1051						
						08°44.929S 157°25.750E MAG 41345.1						
	0517					Stop turning						
	0524					SOL 40, Guns started firing.						
	0529					Booping Sound on Hs Center Beam.						
	0530	3358.79	105	4.5	207	08°45.468S 157°27.280E MAG 41697.0						
	0545					??? Rev some data from node 2, opcode=0, size=36 ???						
	0550					reel # 1053 does not exist. wid tape.						
	0600	3360.95	116	4.5	161	08°46.416S 157°29.226E MAG 41293.8						
						180 This file may be bad!						
						180 this navlog record may be bad.						
	0630	3363.22	113	4.3	257	08°47.440S 157°31.236E MAG 41590.1						
	0700	3365.60	117	4.3	464	08°48.671S 157°33.160E MAG 41318.7						
	0725					problem w/ compressor, guns #11-20 shut off						
	0730	2367.70	119	4.5	351	08°49.822S 157°34.950E MAG 41327.3						
	0739					504 SATP - error 84						
						503 This file may be bad!						
						503 this navlog record may be bad!						
	0800	3370.21	127	4.8	604	08°51.033S 157°36.808E MAG 41362.6						
						Guns # 11-20 started firing						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL/LO	HI	SWP	DEL/LO	HI
316	0806					ETT 1954						
316	0830	3372.50	122	4.5	404	08° 52. 1935 157° 38.690E MAG 41708.1						
	0858					Started turn EOL 40						
						veel # 1061, nautape, veel # 51						
	0900	3374.85	130	4.6	476	08° 53. 4885 157° 40. 683E MAG 41639.5						
	0912					SOL 41 recording start.						
	0913					?? Rev some data from mode 2, opcode=0, size=10.???						
	0930	3377.18	182	4.4	505	08° 55. 690 S 157° 40. 758 E MAG 41370.8						
	1000	3379.53	181	4.2	1450	08.58-024 S 157° 40. 737 E MAG 41385.0						
	1028					Gun #5 is stop. for repair.						
	1030	3381.85	181	5.0	1378	08.09.00.461 S 157.40.725 E MAG 41792.4						
	1100	3384.24	182	4.7	2019	09.02.021 S. 157-40.695 E MAG 40859.3						
	1106					Gun #5 shooting restart.						
	1130	3386.57	183	4.6	2899	09.05.344 S. 157.40.650 E MAG 41236.2						
	1200	3388.97	180	4.7	3590	09.07.766 S 157 40.653 E MAG 41490.8						
	1230	3391.30	181	4.6	3624	09.10.090 S 157.40.604 E MAG 41531.1						
	1300	3393.48	179	4.3	3979	09.12.246 S 157.40.625 E MAG 41393.5						
	1330	3395.73	182	4.5	3964.1	9' 14.442 S 157' 40.564 E MAG 41370.2						
	1400	3397.97	179.1	4.1	3918.1	9' 16.548 S 157' 40.557 E MAG 41528.9						
	1430	3400.27	179.7	4.8	3940.1	9' 18.656 S 157' 40.537 E MAG 41627.0						
	1459					Turn commenced.						
	1500	3402.53	180.3	4.6	4023	9 20.698 157 40.516 E MAG 41714.5						
	1514					Gun shooting start.						
	1515	3403.72	129.4	4.5	4028.0	SOL # 42 start. 9° 21.473 S 157° 41.389 E.						
	1530	3404.77	121.2	4.4	4054.0	9' 22.063 S 157° 42.389 E MAG 41789.5						
	1538					170 recording - tape unit 2 not at POT.						
						170 SOTP - error P4						
						170 This file may be bad!						
						170 this nautape record may be bad!						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
316						171 SQTP - error & 4						
						171 This file may be bad!						
						171 this navlog record may be bad!						
						172 recording: tape unit 2 not at BOT						
						172 SQTP - error & 4						
						172 This file may be bad!						
						172 this navlog record may be bad!						
						173 recording: tape unit 2 not at BOT						
	1540					178 recording: tape unit 2 not ready						
	1540					179 Tape drive not ready, bad file, drives switched						
						179 SQTP - not ready						
						180 This file may be bad!						
						180 This navlog record may be bad!						
	1600	3406.97	120.6	4.5	4063.0	9° 23.273'S 157° 48.427'E MAG 41758.5						
	1630	3409.21	121.6	4.4	3895.1	9° 24.499'S 157° 46.444'E MAG 41680.3						
	1700	3411.44	121.8	4.7	3808.0	9° 25.744'S 157° 48.526'E MAG 41700.0						
	1730	3413.61	117	4.5	3894	9° 26.925S 157° 50.622E MAG 41712.8						
	1745					EOL 42, turn off guns for turn						
	1758					finished turn						
316	1800	3415.90	035	4.7	3947	09 27.031S 157 52.749E mag 41692.7						
316	1803					SOL 43						
316	1825					XBT #8						
316	1830	3418.29	030	4.5	3928	09° 25.046S 157° 54.156E MAG 41677.2						
						Void tape # 1088.						
	1832					179 Tape drive not ready, bad files, drive switched						
						179 SQTP - error & 4 not ready.						
						180 This file may be bad!						
						180 this navlog record may be bad!						
	1900	3420.66	026	5.1	3928	090° 23.149S . 157° 55.452E MAG 41614.0						
	1931	3423.00	033	4.7	3721	090° 21.193S 157° 56.780E MAG 41693.6						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
316	1950					414. SGTIP - error 84						
						413 This file may be bad!						
						413 This navlog record may be bad!						
						414 recording: tape unit 2 not at BOT						
316	2000	3425.23	026	4.7	3909	09° 19.307 S 157° 58.061 E MAG 41678.6						
316	2030	3427.54	031	4.6	3931	09° 17.339 S 157° 59.308 E MAG 41651.5						
316	2100	3429.53	032	5.2	4009.6	09° 15.428 S 158° 00.623 E MAG 41587.1						
	2130	3432.35	34	4.8	3339	09° 13.516 S 158° 01.885 E MAG 41445.9						
	2200	3434.73	30	4.7	2776	09° 11.564 S 158° 03.165 E MAG 41293.0						
	2230	3437.06	35	4.9	1857	09° 09.560 S 158° 04.547 E MAG 41149.1						
	2258					speed up						
	2300	3439.43	31	4.9	1413	09° 07.459 S 158° 05.200 E MAG 41162.4						
	2330	3441.81	32	5.0	882	09° 05.472 S 158° 07.207 E MAG 41306.4						
317	0000	3444.22	0.0	5.0	1724	09° 03.521 S 158° 08.610 E MAG 41231.4						
	0014					1216 SGTIP - error 84						
						1215 This file may be bad!						
						1215 this navlog record may be bad!						
						1216 recording: tape unit 2 not at BOT.						
						1216 Tape drive not ready, bad file, drives switched!						
						1217 This file may be bad!						
						1217 this navlog may be bad!						
	0030	3446.61	33	4.6	598	09° 01.526 S 158° 09.839 E MAG 41169.4						
	0040					1294 SGTIP - error 84						
						1294 This file may be bad!						
						1294 this navlog record may be bad!						
						1295 recording: tape unit 2 not at BOT						
	0100	3449.04	34	4.6	588	09° 08° 59.628 S 158° 11.101 E MAG 40993.0						
						15:30 (local time) course change.						
	0130	3451.48	33.7	4.9	683.0	8° 52.688 S 158° 12.422 E MAG 41026.0						

DATE	TIME	PIT LOG	CSE	SPD	DEPTH	REMARKS	A		B		C	
							SWP	DEL	SWP	DEL	SWP	DEL
317	1030	3493.89	34	4.8	1817	08-23.440S 158-35.682E MAG 40862.2						
	1100	3496.30	32	5.1	1822	08-21.500S 158-36.939E MAG 40771.7						
	1130	3498.71	33	4.7	1826	08-19.614S 158-38.178E MAG 40790.2						
	1200	3501.12	33	4.7	1828	08 17.694S 158 39.428E MAG 40808.0						
	1230	3503.43	31.5	4.3	1829	08 15.812S 158 40.642E MAG 40803.4						
	1300	3505.88	31.6	4.9	1830	08 13.903S 158 41.998E MAG 40786.2						
	1330	3508.38	31.2	5.0	1829.3	08 11.920S 158 43.260E MAG 40743.8						
	1400	3510	32.8	4.8	1826.3	08 09.978S 158 44.477E MAG 40732.4						
	1430	3513	34.0	4.6	1809	08 08.159S 158 45.724E MAG 40779.7						
	1500	3515.51	33.8	4.9	1747	08 06.263S 158 47.026E MAG 40854.3						
	1530	3517.89	31.1	4.4	1842.3	P' 4.224S 158° 49.216'E MAG 40871.7						
	1600	3520.28	31.5	5.0	1115.3	P' 2.204S 158° 49.612'E MAG 40805.0						
						16:39 (GMT) FOL						
	1609					4078 SQTP-error 84						
						4078 This file may be bad!						
						4078 this narlog record may be bad!						
						4079 recording: tape unit 3 not at BOT						
						4079 SQTP-error 84						
						4079 This file may be bad!						
						4079 this narlog record may be bad!						
	1610					4080 recording: tape unit 3 not at BOT						
	1611					4081 SQTP-error 84						
						4082 This file may be bad!						
						4082 this narlog record may be bad!						
						4083 recording: tape unit 3 not at BOT						
	1630	3522.72	31.6	4.9	598.3	P' 00.173'S 158° 50.902'E MAG 40709.0						
	1640	3523.55	35.8	4.8	507.4	P' 7° 59.852'S 158° 51.871'E MAG 40628.7						
	1700	3525.17	132.7	5.1	443.7	P' 00.179'S 158° 52.621'E MAG —						
317	1730	3527.39	150.3	2.7	498.7	08 02.083S 158 54.022E mag —						
317	1800	3528.86	151.7	4.3	632.4	08 03.467S 158 54.834 E mag —						

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