

*	DATE	TIME	TD	Lat	Lon	DEP	ST	GCO	LSPD	SCO	SSPD	CRT (D)	CRT (S)	DIST	COMMENT
*	151020	1330	+9:00	35-19.1195 N	139-38.9827 E	0.00		56.2	0.01	140.5	0.03	194.6	0.1	0.00	
*	151020	1400	+9:00	35-19.1195 N	139-38.9827 E	0.00		55.8	0.01	50.7	0.05	80.5	0.2	0.01	
*	151020	1430	+9:00	35-18.8950 N	139-42.2415 E	0.00		95.9	8.70	97.1	10.46	16.0	0.2	2.22	
*	151020	1500	+9:00	35-14.6721 N	139-46.3279 E	0.00		179.2	9.13	178.4	11.65	43.3	0.6	6.69	
*	151020	1530	+9:00	35-09.0205 N	139-45.9222 E	0.00		150.3	8.98	151.2	11.11	240.9	0.2	11.14	
*	151020	1600	+9:00	35-03.6578 N	139-46.7124 E	0.00		167.2	8.96	166.4	10.91	29.3	0.2	15.65	
*	151020	1630	+9:00	35-00.7035 N	139-49.9779 E	0.00		74.7	2.26	75.8	2.81	287.2	0.0	19.18	
*	151020	1700	+9:00	35-00.7867 N	139-50.1171 E	0.00		186.3	0.00	308.7	0.19	352.4	0.1	19.36	
*	151020	1730	+9:00	35-00.7891 N	139-50.1128 E	0.00		190.1	0.02	296.6	0.13	298.5	0.1	19.37	
*	151020	1800	+9:00	35-00.7755 N	139-50.1291 E	0.00		256.0	0.01	278.2	0.06	255.6	0.0	19.38	
*	151020	1830	+9:00	35-00.7850 N	139-50.1158 E	0.00		191.2	0.01	286.2	0.07	223.6	0.3	19.38	
*	151020	1900	+9:00	35-00.7789 N	139-50.0948 E	0.00		129.8	0.01	220.2	0.07	129.0	0.1	19.39	
*	151020	1930	+9:00	35-00.7810 N	139-50.0969 E	0.00		134.4	0.02	21.8	0.07	103.8	0.1	19.40	
*	151020	2000	+9:00	35-00.7763 N	139-50.0988 E	0.00		123.7	0.01	26.1	0.39	90.0	0.1	19.41	
*	151020	2030	+9:00	35-00.7890 N	139-50.1012 E	0.00		155.8	0.07	99.0	0.10	142.3	0.1	19.42	
*	151020	2100	+9:00	35-00.7844 N	139-50.1056 E	0.00		169.5	0.02	76.8	0.10	182.3	0.1	19.44	
*	151020	2130	+9:00	35-00.7816 N	139-50.0948 E	0.00		128.5	0.03	40.3	0.08	292.1	0.1	19.46	
*	151020	2200	+9:00	35-00.7785 N	139-50.0950 E	0.00		128.5	0.03	60.0	0.05	309.0	0.1	19.48	
*	151020	2230	+9:00	35-00.7790 N	139-50.0942 E	0.00		129.1	0.01	242.3	0.10	300.8	0.1	19.49	
*	151020	2300	+9:00	35-00.7744 N	139-50.0898 E	0.00		114.0	0.02	197.3	0.11	325.1	0.1	19.50	
*	151020	2330	+9:00	35-00.7743 N	139-50.0943 E	0.00		88.8	0.01	275.0	0.09	0.0	0.0	19.51	
*	151021	0000	+9:00	35-00.7710 N	139-50.0941 E	0.00		92.3	0.02	149.0	0.08	0.0	0.0	19.52	
*	151021	0030	+9:00	35-00.7778 N	139-50.0915 E	0.00		107.5	0.02	195.6	0.04	0.0	0.0	19.53	
*	151021	0100	+9:00	35-00.7626 N	139-50.0927 E	0.00		68.3	0.03	244.8	0.02	0.0	0.0	19.54	
*	151021	0130	+9:00	35-00.7596 N	139-50.0959 E	0.00		57.4	0.03	318.1	0.14	0.0	0.0	19.56	
*	151021	0200	+9:00	35-00.7723 N	139-50.0937 E	0.00		86.1	0.05	169.2	0.04	0.0	0.0	19.58	
*	151021	0230	+9:00	35-00.7643 N	139-50.0915 E	0.00		72.9	0.02	163.6	0.04	0.0	0.0	19.60	
*	151021	0300	+9:00	35-00.7738 N	139-50.0941 E	0.00		95.9	0.02	162.6	0.03	0.0	0.0	19.61	
*	151021	0330	+9:00	35-00.7653 N	139-50.0894 E	0.00		95.4	0.05	256.4	0.07	0.0	0.0	19.63	
*	151021	0400	+9:00	35-00.7636 N	139-50.0908 E	0.00		84.0	0.05	73.3	0.09	0.0	0.0	19.65	
*	151021	0430	+9:00	35-00.7725 N	139-50.0987 E	0.00		104.0	0.03	6.1	0.30	0.0	0.0	19.68	
*	151021	0500	+9:00	35-00.7683 N	139-50.0941 E	0.00		108.8	0.03	201.6	0.09	181.1	0.0	19.70	
*	151021	0530	+9:00	35-00.7648 N	139-50.0895 E	0.00		98.6	0.10	60.8	0.07	0.0	0.0	19.72	
*	151021	0600	+9:00	35-00.7700 N	139-50.0909 E	0.00		121.6	0.06	331.5	0.10	352.8	0.0	19.75	
*	151021	0630	+9:00	35-00.7421 N	139-50.0986 E	0.00		65.9	0.07	62.4	0.12	4.0	0.1	19.77	

*	151021	0700	+9:00	35-00. 7504 N	139-50. 0831 E	0. 00		88. 2	0. 00	191. 0	0. 18	314. 2	0. 1	19. 80
*	151021	0730	+9:00	35-00. 7438 N	139-50. 0969 E	0. 00		27. 1	0. 04	322. 4	0. 12	335. 6	0. 1	19. 83
*	151021	0800	+9:00	35-00. 7307 N	139-50. 1033 E	0. 00		10. 8	0. 12	306. 2	0. 17	349. 5	0. 1	19. 87
*	151021	0830	+9:00	35-00. 7330 N	139-50. 0916 E	0. 00		26. 0	0. 23	343. 5	0. 25	13. 7	0. 1	19. 91
*	151021	0900	+9:00	35-00. 7343 N	139-50. 0864 E	0. 00		86. 7	0. 00	200. 4	0. 35	16. 7	0. 1	19. 97
*	151021	0930	+9:00	35-00. 7243 N	139-50. 0967 E	0. 00		86. 5	0. 07	149. 7	0. 24	68. 3	0. 1	20. 03
*	151021	1000	+9:00	35-00. 7455 N	139-50. 0865 E	0. 00		110. 6	0. 21	150. 3	0. 28	66. 3	0. 0	20. 07
*	151021	1030	+9:00	35-00. 7233 N	139-50. 0951 E	0. 00		27. 5	0. 27	327. 8	0. 29	53. 5	0. 1	20. 13
*	151021	1100	+9:00	35-00. 7341 N	139-50. 0910 E	0. 00		58. 9	0. 00	235. 4	0. 15	278. 8	0. 1	20. 20
*	151021	1130	+9:00	35-00. 7110 N	139-50. 1132 E	0. 00		44. 0	0. 15	57. 7	0. 08	10. 2	0. 1	20. 25
*	151021	1200	+9:00	35-00. 7107 N	139-50. 1132 E	0. 00		46. 0	0. 04	113. 8	0. 07	325. 0	0. 1	20. 29
*	151021	1230	+9:00	35-00. 7232 N	139-50. 0981 E	0. 00		41. 1	0. 02	119. 8	0. 07	281. 0	0. 1	20. 33
*	151021	1300	+9:00	35-00. 7112 N	139-50. 1059 E	0. 00		37. 3	-0. 02	226. 4	0. 24	327. 5	0. 0	20. 36
*	151021	1330	+9:00	35-00. 7169 N	139-50. 1017 E	0. 00		47. 7	0. 06	15. 3	0. 11	348. 2	0. 1	20. 41
*	151021	1400	+9:00	35-00. 7095 N	139-50. 1152 E	0. 00		41. 4	0. 04	99. 6	0. 26	286. 5	0. 1	20. 46
*	151021	1430	+9:00	35-00. 7277 N	139-50. 0935 E	0. 00		94. 9	0. 14	102. 9	0. 10	253. 1	0. 1	20. 49
*	151021	1500	+9:00	35-00. 7200 N	139-50. 1020 E	0. 00		32. 6	0. 09	37. 4	0. 11	284. 4	0. 1	20. 52
*	151021	1530	+9:00	35-00. 7215 N	139-50. 0968 E	0. 00		82. 1	0. 10	103. 4	0. 11	294. 4	0. 1	20. 55
*	151021	1600	+9:00	35-00. 7209 N	139-50. 0990 E	0. 00		38. 7	0. 08	4. 9	0. 16	306. 6	0. 1	20. 57
*	151021	1630	+9:00	35-00. 7173 N	139-50. 1046 E	0. 00		48. 0	0. 03	56. 4	0. 11	322. 7	0. 1	20. 60
*	151021	1700	+9:00	35-00. 7167 N	139-50. 1078 E	0. 00		38. 9	0. 04	358. 9	0. 06	317. 1	0. 1	20. 61
*	151021	1730	+9:00	35-00. 7214 N	139-50. 1031 E	0. 00		63. 7	0. 04	63. 5	0. 04	278. 6	0. 1	20. 62
*	151021	1800	+9:00	35-00. 7141 N	139-50. 1189 E	0. 00		21. 0	-0. 03	115. 0	0. 14	29. 3	0. 1	20. 64
*	151021	1830	+9:00	35-00. 7100 N	139-50. 1207 E	0. 00		13. 3	0. 00	277. 0	0. 20	176. 0	0. 1	20. 64
*	151021	1900	+9:00	35-00. 7101 N	139-50. 1302 E	0. 00		359. 5	0. 01	269. 5	0. 16	327. 8	0. 1	20. 64
*	151021	1930	+9:00	35-00. 7109 N	139-50. 1175 E	0. 00		29. 7	-0. 02	155. 3	0. 04	261. 8	0. 1	20. 65
*	151021	2000	+9:00	35-00. 7119 N	139-50. 1184 E	0. 00		18. 6	0. 01	348. 6	0. 05	329. 3	0. 1	20. 66
*	151021	2030	+9:00	35-00. 7109 N	139-50. 1206 E	0. 00		25. 2	0. 01	16. 6	0. 04	210. 7	0. 0	20. 66
*	151021	2130	+9:00	35-00. 7136 N	139-50. 1217 E	0. 00		5. 9	0. 01	111. 1	0. 14	339. 0	0. 1	20. 67
*	151021	2200	+9:00	35-00. 7121 N	139-50. 1266 E	0. 00		5. 1	0. 01	86. 3	0. 08	317. 8	0. 0	20. 68
*	151021	2230	+9:00	35-00. 7122 N	139-50. 1371 E	0. 00		351. 4	0. 00	256. 6	0. 14	270. 7	0. 1	20. 68
*	151021	2300	+9:00	35-00. 7127 N	139-50. 1303 E	0. 00		349. 0	0. 01	83. 6	0. 10	322. 0	0. 1	20. 69
*	151021	2330	+9:00	35-00. 7130 N	139-50. 1358 E	0. 00		329. 7	0. 00	64. 2	0. 10	309. 2	0. 1	20. 69
*	151022	0000	+9:00	35-00. 7078 N	139-50. 1262 E	0. 00		1. 8	0. 01	130. 6	0. 15	319. 2	0. 1	20. 70
*	151022	0030	+9:00	35-00. 7093 N	139-50. 1356 E	0. 00		341. 0	0. 04	281. 5	0. 15	30. 0	0. 0	20. 71
*	151022	0100	+9:00	35-00. 7127 N	139-50. 1294 E	0. 00		8. 1	0. 00	207. 3	0. 08	270. 7	0. 1	20. 72
*	151022	0130	+9:00	35-00. 7106 N	139-50. 1222 E	0. 00		15. 7	0. 03	291. 5	0. 17	0. 0	0. 0	20. 73
*	151022	0200	+9:00	35-00. 7200 N	139-50. 1123 E	0. 00		38. 5	0. 04	105. 5	0. 14	25. 0	0. 0	20. 75

*	151022	0230	+9:00	35-00. 7391 N	139-50. 1037 E	0. 00		104. 5	0. 04	31. 9	0. 05	0. 0	0. 0	20. 76	
*	151022	0300	+9:00	35-00. 7413 N	139-50. 1035 E	0. 00		116. 4	0. 02	333. 0	0. 09	246. 3	0. 1	20. 78	
*	151022	0330	+9:00	35-00. 7348 N	139-50. 1041 E	0. 00		100. 7	0. 03	356. 6	0. 13	65. 8	0. 1	20. 80	
*	151022	0400	+9:00	35-00. 7297 N	139-50. 1079 E	0. 00		76. 6	0. 03	195. 6	0. 09	110. 6	0. 5	20. 82	
*	151022	0430	+9:00	35-00. 7303 N	139-50. 1074 E	0. 00		62. 1	0. 04	6. 9	0. 05	97. 2	0. 7	20. 84	
*	151022	0500	+9:00	35-00. 7280 N	139-50. 1101 E	0. 00		61. 6	0. 02	154. 8	0. 11	108. 8	0. 1	20. 85	
*	151022	0530	+9:00	35-00. 7341 N	139-50. 1032 E	0. 00		89. 9	0. 04	184. 3	0. 03	302. 1	0. 1	20. 87	
*	151022	0600	+9:00	35-00. 7375 N	139-50. 1040 E	0. 00		118. 9	0. 02	236. 4	0. 07	350. 7	0. 1	20. 88	
*	151022	0630	+9:00	35-00. 7389 N	139-50. 1054 E	0. 00		118. 6	0. 03	345. 2	0. 09	327. 9	0. 1	20. 90	
*	151022	0700	+9:00	35-00. 7452 N	139-50. 1211 E	0. 00		171. 8	0. 06	283. 7	0. 11	350. 3	0. 1	20. 92	
*	151022	0730	+9:00	35-00. 7490 N	139-50. 1204 E	0. 00		178. 3	0. 03	296. 9	0. 09	325. 9	0. 1	20. 94	
*	151022	0800	+9:00	35-00. 7573 N	139-50. 1296 E	0. 00		98. 2	0. 39	60. 8	0. 67	338. 9	0. 1	20. 97	
*	151022	0830	+9:00	35-00. 6982 N	139-48. 7305 E	0. 00		275. 0	1. 62	267. 3	1. 84	234. 2	0. 3	21. 98	
*	151022	0900	+9:00	35-00. 6522 N	139-48. 6783 E	0. 00		271. 0	0. 07	183. 6	1. 16	127. 2	0. 1	22. 03	
*	151022	0930	+9:00	35-00. 7688 N	139-48. 4956 E	0. 00		269. 7	0. 28	307. 5	0. 46	141. 9	0. 1	22. 14	
*	151022	1000	+9:00	35-00. 7720 N	139-48. 4917 E	0. 00		269. 7	0. 04	133. 3	0. 05	120. 8	0. 1	22. 16	
*	151022	1030	+9:00	35-00. 7601 N	139-48. 3566 E	0. 00		275. 4	3. 67	272. 8	4. 95	112. 3	0. 4	22. 25	
*	151022	1100	+9:00	34-58. 9974 N	139-43. 3604 E	0. 00		220. 7	8. 44	220. 8	10. 05	109. 9	0. 2	26. 27	
*	151022	1200	+9:00	34-51. 4517 N	139-49. 6818 E	0. 00		126. 3	8. 52	126. 9	9. 66	353. 1	0. 1	34. 77	
*	151022	1230	+9:00	34-48. 5346 N	139-54. 3403 E	0. 00		126. 3	8. 24	125. 0	10. 11	299. 8	0. 3	38. 90	
*	151022	1300	+9:00	34-45. 5152 N	139-58. 7987 E	0. 00		126. 4	8. 40	130. 3	10. 01	301. 6	0. 5	43. 06	
*	151022	1330	+9:00	34-42. 6870 N	140-03. 3034 E	0. 00		122. 1	8. 49	124. 0	9. 96	283. 5	0. 6	47. 23	
*	151022	1400	+9:00	34-39. 9808 N	140-07. 9451 E	0. 00		122. 7	8. 18	126. 0	9. 40	296. 1	0. 4	51. 45	
*	151022	1430	+9:00	34-37. 2705 N	140-12. 7065 E	0. 00		120. 7	8. 16	114. 0	10. 24	21. 6	0. 3	55. 66	
*	151022	1500	+9:00	34-34. 8887 N	140-17. 8291 E	0. 00		90. 3	8. 33	99. 6	8. 99	60. 7	0. 3	59. 88	
*	151022	1530	+9:00	34-34. 8029 N	140-23. 7589 E	0. 00		89. 6	8. 21	89. 4	9. 77	76. 5	0. 3	63. 97	
*	151022	1600	+9:00	34-34. 6616 N	140-29. 6039 E	0. 00		90. 4	8. 23	91. 8	9. 45	89. 2	0. 2	68. 08	
*	151022	1630	+9:00	34-34. 5754 N	140-35. 3806 E	0. 00		89. 7	8. 27	83. 3	8. 76	40. 9	0. 1	72. 18	
*	151022	1700	+9:00	34-34. 2874 N	140-41. 2963 E	0. 00		89. 6	8. 10	92. 4	10. 12	132. 9	0. 7	76. 25	
*	151022	1730	+9:00	34-33. 9981 N	140-47. 2901 E	0. 00		89. 7	8. 16	91. 8	10. 38	117. 3	0. 4	80. 34	
*	151022	1830	+9:00	34-34. 0615 N	140-59. 0948 E	0. 00		88. 7	7. 98	87. 3	9. 58	25. 9	0. 8	88. 44	
*	151022	1900	+9:00	34-34. 1778 N	141-05. 0112 E	0. 00		91. 6	8. 04	90. 6	8. 88	31. 9	0. 7	92. 50	
*	151022	1930	+9:00	34-34. 2917 N	141-10. 9126 E	0. 00		89. 4	7. 96	89. 9	10. 30	18. 4	0. 8	96. 55	
*	151022	2000	+9:00	34-34. 4295 N	141-16. 8124 E	0. 00		89. 5	8. 17	88. 0	9. 34	12. 1	0. 6	100. 60	
*	151022	2030	+9:00	34-34. 6170 N	141-22. 8310 E	0. 00		89. 8	8. 09	88. 7	9. 74	30. 5	1. 0	104. 66	
*	151022	2100	+9:00	34-34. 8714 N	141-29. 1050 E	0. 00		90. 1	8. 18	90. 6	9. 57	34. 9	1. 3	108. 77	
*	151022	2130	+9:00	34-35. 6101 N	141-35. 5521 E	0. 00		88. 6	8. 25	77. 5	12. 01	25. 2	2. 6	112. 85	
*	151022	2200	+9:00	34-36. 8760 N	141-42. 0296 E	0. 00		90. 1	8. 49	85. 4	9. 99	14. 8	3. 0	117. 00	

*	151022	2230	+9:00	34-38. 1880 N	141-48. 5005 E	0. 00		89. 1	8. 42	82. 6	10. 25	14. 8	2. 9	121. 19	
*	151022	2300	+9:00	34-39. 4317 N	141-54. 9172 E	0. 00		90. 5	8. 37	72. 9	10. 20	14. 4	2. 9	125. 37	
*	151022	2330	+9:00	34-40. 7088 N	142-01. 2309 E	0. 00		88. 9	8. 29	76. 7	9. 95	8. 5	3. 0	129. 55	
*	151023	0000	+9:00	34-41. 9054 N	142-07. 5118 E	0. 00		89. 9	8. 46	74. 9	10. 49	10. 3	2. 4	133. 75	
*	151023	0030	+9:00	34-42. 9330 N	142-13. 7748 E	0. 00		90. 7	8. 34	82. 2	10. 88	8. 8	1. 9	137. 94	
*	151023	0100	+9:00	34-43. 6843 N	142-19. 8993 E	0. 00		89. 7	8. 11	80. 3	10. 86	11. 4	1. 6	142. 07	
*	151023	0130	+9:00	34-44. 3040 N	142-25. 8663 E	0. 00		90. 9	7. 61	84. 2	8. 95	14. 3	1. 3	146. 11	
*	151023	0200	+9:00	34-44. 7592 N	142-31. 5810 E	0. 00		89. 4	7. 81	91. 8	10. 11	15. 2	0. 9	149. 98	
*	151023	0230	+9:00	34-45. 1384 N	142-37. 1490 E	0. 00		90. 3	7. 46	79. 1	7. 77	14. 2	1. 1	153. 76	
*	151023	0300	+9:00	34-45. 5129 N	142-42. 6935 E	0. 00		88. 3	7. 15	87. 3	10. 08	13. 0	1. 2	157. 54	
*	151023	0330	+9:00	34-45. 9136 N	142-48. 1057 E	0. 00		90. 0	7. 66	85. 1	9. 97	4. 9	1. 1	161. 26	
*	151023	0400	+9:00	34-46. 2916 N	142-53. 5631 E	0. 00		90. 8	7. 07	85. 4	7. 92	5. 4	1. 0	165. 07	
*	151023	0430	+9:00	34-46. 5975 N	142-59. 0324 E	0. 00		90. 5	7. 59	86. 9	8. 24	11. 7	0. 9	168. 84	
*	151023	0500	+9:00	34-46. 8330 N	143-04. 5179 E	0. 00		88. 9	8. 00	78. 6	8. 89	8. 8	0. 8	172. 63	
*	151023	0530	+9:00	34-46. 9849 N	143-10. 0105 E	0. 00		90. 3	8. 00	83. 1	9. 69	25. 3	0. 7	176. 44	
*	151023	0600	+9:00	34-47. 1511 N	143-15. 5725 E	0. 00		90. 6	7. 82	82. 7	8. 38	17. 9	0. 8	180. 22	
*	151023	0630	+9:00	34-47. 0102 N	143-21. 0848 E	0. 00		100. 0	7. 86	97. 7	9. 86	12. 3	0. 9	184. 05	
*	151023	0700	+9:00	34-46. 4003 N	143-26. 5498 E	0. 00		98. 9	7. 58	102. 7	10. 24	25. 8	0. 7	187. 91	
*	151023	0730	+9:00	34-45. 7296 N	143-32. 0350 E	0. 00		99. 8	7. 86	94. 5	9. 53	29. 1	0. 7	191. 74	
*	151023	0800	+9:00	34-44. 9982 N	143-37. 6312 E	0. 00		99. 9	8. 00	96. 3	9. 09	38. 7	0. 6	195. 63	
*	151023	0830	+9:00	34-44. 1546 N	143-43. 1738 E	0. 00		101. 0	7. 93	102. 4	8. 94	48. 2	0. 5	199. 51	
*	151023	0900	+9:00	34-43. 2319 N	143-48. 6899 E	0. 00		99. 7	7. 74	104. 4	8. 89	58. 1	0. 4	203. 39	
*	151023	0930	+9:00	34-39. 8003 N	143-52. 6894 E	0. 00		141. 0	7. 95	147. 0	8. 21	84. 7	0. 5	207. 48	
*	151023	1000	+9:00	34-35. 9493 N	143-56. 4228 E	0. 00		139. 2	8. 22	135. 3	9. 36	96. 2	0. 4	211. 63	
*	151023	1030	+9:00	34-32. 0562 N	144-00. 1914 E	0. 00		141. 5	8. 16	147. 9	10. 32	103. 9	0. 4	215. 78	
*	151023	1130	+9:00	34-23. 6984 N	144-07. 1405 E	0. 00		145. 6	8. 48	145. 3	10. 74	68. 4	0. 6	224. 23	
*	151023	1200	+9:00	34-19. 5209 N	144-10. 5334 E	0. 00		145. 5	8. 59	147. 1	11. 40	108. 4	0. 3	228. 49	
*	151023	1300	+9:00	34-11. 1027 N	144-17. 3194 E	0. 00		144. 3	8. 58	140. 8	10. 22	67. 1	0. 3	237. 01	
*	151023	1330	+9:00	34-06. 8693 N	144-20. 6076 E	2271. 86		145. 1	8. 53	149. 1	9. 77	116. 9	0. 3	241. 28	
*	151023	1400	+9:00	34-02. 4749 N	144-24. 0087 E	0. 00		145. 4	8. 62	149. 8	10. 20	147. 0	0. 5	245. 57	
*	151023	1430	+9:00	33-58. 0787 N	144-27. 3113 E	0. 00		145. 8	8. 43	148. 4	10. 68	159. 1	0. 5	249. 83	
*	151023	1500	+9:00	33-53. 6133 N	144-30. 6347 E	0. 00		146. 3	8. 78	157. 0	10. 28	186. 4	0. 2	254. 13	
*	151023	1530	+9:00	33-49. 1114 N	144-33. 7919 E	2288. 46		144. 6	8. 67	149. 4	10. 79	197. 8	0. 7	258. 47	
*	151023	1600	+9:00	33-44. 4105 N	144-36. 9260 E	0. 00		144. 4	8. 61	155. 6	11. 74	178. 1	0. 9	262. 80	
*	151023	1630	+9:00	33-39. 7109 N	144-40. 1686 E	2400. 58		145. 1	8. 60	157. 7	11. 04	160. 5	0. 6	267. 14	
*	151023	1700	+9:00	33-35. 1346 N	144-43. 3797 E	0. 00		145. 4	8. 76	160. 1	10. 68	198. 9	0. 6	271. 50	
*	151023	1730	+9:00	33-30. 6396 N	144-46. 6091 E	2256. 70		145. 5	8. 64	145. 6	9. 72	201. 1	0. 3	275. 85	
*	151023	1800	+9:00	33-26. 1732 N	144-49. 6802 E	0. 00		145. 3	8. 72	152. 5	10. 00	232. 6	0. 7	280. 22	

*	151023	1830	+9:00	33-21. 6973 N	144-52. 6085 E	0. 00		145. 0	8. 68	150. 3	10. 02	237. 6	0. 6	284. 59	
*	151023	1900	+9:00	33-17. 3265 N	144-55. 7143 E	0. 00		144. 0	8. 74	143. 8	10. 13	257. 3	0. 3	288. 93	
*	151023	1930	+9:00	33-13. 1924 N	144-58. 7164 E	0. 00		145. 4	8. 56	148. 4	9. 55	309. 5	0. 5	293. 25	
*	151023	2000	+9:00	33-09. 0650 N	145-01. 7055 E	0. 00		144. 6	8. 74	148. 8	10. 18	292. 4	0. 3	297. 56	
*	151023	2030	+9:00	33-04. 8310 N	145-04. 6136 E	0. 00		144. 4	8. 57	154. 4	9. 48	289. 5	0. 7	301. 91	
*	151023	2100	+9:00	33-00. 6808 N	145-07. 3369 E	2430. 92		145. 6	8. 73	152. 8	8. 60	287. 8	1. 0	306. 26	
*	151023	2130	+9:00	32-56. 6096 N	145-09. 9791 E	2294. 40		145. 0	8. 70	151. 3	9. 64	291. 8	1. 1	310. 63	
*	151023	2200	+9:00	32-52. 4935 N	145-12. 6386 E	2363. 28		145. 4	8. 52	150. 1	8. 33	288. 4	1. 0	314. 99	
*	151023	2230	+9:00	32-48. 3058 N	145-15. 4446 E	2322. 57		146. 1	8. 87	157. 7	10. 15	262. 8	0. 8	319. 35	
*	151023	2300	+9:00	32-43. 9874 N	145-18. 2685 E	0. 00		145. 1	8. 80	148. 8	10. 55	264. 5	0. 8	323. 72	
*	151023	2330	+9:00	32-39. 7139 N	145-21. 1659 E	0. 00		140. 6	8. 52	145. 2	10. 75	251. 8	0. 6	328. 06	
*	151024	0000	+9:00	32-35. 7023 N	145-24. 5726 E	2309. 84		139. 7	8. 66	136. 8	9. 10	279. 4	0. 3	332. 39	
*	151024	0030	+9:00	32-31. 7497 N	145-28. 1173 E	2210. 14		141. 2	8. 49	145. 6	10. 21	292. 8	0. 1	336. 72	
*	151024	0100	+9:00	32-27. 6565 N	145-31. 4551 E	2105. 64		147. 4	8. 66	144. 1	9. 77	55. 7	0. 1	341. 05	
*	151024	0130	+9:00	32-23. 3495 N	145-34. 6204 E	0. 00		147. 5	8. 57	153. 6	9. 85	86. 8	0. 2	345. 38	
*	151024	0200	+9:00	32-21. 4527 N	145-36. 1907 E	0. 00		47. 9	0. 02	86. 2	0. 32	81. 5	0. 3	347. 45	
*	151024	0230	+9:00	32-21. 4403 N	145-36. 2041 E	0. 00		48. 0	0. 05	253. 5	0. 61	73. 7	0. 2	347. 47	
*	151024	0300	+9:00	32-21. 4486 N	145-36. 1943 E	12. 09		47. 3	0. 11	209. 0	0. 43	58. 5	0. 2	347. 52	
*	151024	0330	+9:00	32-21. 4976 N	145-36. 1421 E	13. 39		53. 6	0. 12	82. 1	0. 60	156. 8	0. 1	347. 59	
*	151024	0400	+9:00	32-21. 4360 N	145-36. 1941 E	12. 42		46. 7	0. 32	107. 6	0. 34	184. 1	0. 3	347. 67	
*	151024	0430	+9:00	32-21. 4820 N	145-36. 1394 E	54. 79		49. 7	0. 15	347. 6	0. 30	171. 5	0. 1	347. 77	
*	151024	0500	+9:00	32-21. 4832 N	145-36. 1374 E	12. 52		55. 2	0. 21	298. 1	1. 53	192. 5	0. 2	347. 85	
*	151024	0530	+9:00	32-21. 5151 N	145-36. 1127 E	13. 04		62. 1	0. 24	167. 3	0. 89	244. 6	0. 3	347. 97	
*	151024	0600	+9:00	32-19. 4098 N	145-37. 7959 E	2210. 96		144. 6	7. 83	145. 2	8. 40	326. 8	0. 1	350. 16	
*	151024	0630	+9:00	32-15. 4754 N	145-40. 6633 E	0. 00		144. 5	8. 25	147. 0	9. 69	301. 6	0. 1	354. 12	
*	151024	0730	+9:00	32-10. 9792 N	145-43. 9447 E	5918. 27		76. 4	0. 21	337. 5	0. 79	282. 5	0. 2	358. 94	
	151024	0753	+9:00	32-10. 9791 N	145-43. 9455 E	5918. 99	C001	90. 9	0. 14	40. 3	0. 88	307. 2	0. 3	359. 01	STARTED CTD
*	151024	0800	+9:00	32-10. 9788 N	145-43. 9444 E	5918. 61		80. 6	0. 22	146. 9	0. 62	320. 0	0. 3	359. 03	
	151024	0825	+9:00	32-11. 1180 N	145-43. 9159 E	5919. 12	C001	79. 3	0. 22	351. 1	0. 73	314. 7	0. 4	359. 11	CTD DEEPEST
*	151024	0830	+9:00	32-11. 1547 N	145-43. 9082 E	5919. 06		80. 1	0. 22	166. 8	0. 81	318. 9	0. 4	359. 12	
*	151024	0900	+9:00	32-11. 3471 N	145-43. 8677 E	5914. 92		79. 8	0. 12	213. 9	0. 46	345. 8	0. 5	359. 20	
	151024	0901	+9:00	32-11. 3465 N	145-43. 8679 E	5914. 76	C001	80. 6	0. 10	200. 9	0. 53	342. 9	0. 4	359. 21	FINISHED CTD
*	151024	0930	+9:00	32-09. 9886 N	145-44. 6928 E	5977. 30		148. 8	7. 96	151. 2	8. 87	1. 7	0. 4	360. 55	
*	151024	1000	+9:00	32-06. 0249 N	145-47. 7445 E	0. 00		145. 6	8. 56	144. 7	9. 42	31. 4	0. 5	364. 71	
*	151024	1030	+9:00	32-01. 9336 N	145-50. 6598 E	0. 00		146. 6	8. 14	146. 9	8. 87	330. 3	0. 1	368. 89	
*	151024	1100	+9:00	31-57. 7990 N	145-53. 4864 E	4624. 37		145. 6	8. 25	146. 8	8. 31	322. 3	0. 5	373. 07	
*	151024	1130	+9:00	31-53. 8239 N	145-56. 3868 E	0. 00		146. 1	8. 64	139. 7	7. 82	316. 4	0. 5	377. 25	
*	151024	1200	+9:00	31-49. 8547 N	145-59. 2140 E	0. 00		143. 8	8. 52	144. 5	9. 21	293. 2	0. 8	381. 44	

*	151024	1230	+9:00	31-45.8721 N	146-02.0332 E	0.00		145.2	8.28	154.5	9.19	288.1	0.7	385.65	
*	151024	1300	+9:00	31-42.0063 N	146-04.8070 E	0.00		146.0	8.37	147.6	8.56	299.7	0.8	389.87	
*	151024	1330	+9:00	31-38.0103 N	146-07.6051 E	0.00		144.1	8.58	145.9	9.05	299.2	0.9	394.10	
*	151024	1400	+9:00	31-34.0940 N	146-10.5242 E	0.00		143.8	8.58	146.3	8.86	314.4	0.6	398.32	
*	151024	1430	+9:00	31-30.2290 N	146-13.3929 E	5826.98		143.2	8.69	151.0	9.34	315.3	0.7	402.56	
*	151024	1500	+9:00	31-26.3606 N	146-16.2103 E	7997.14		143.6	8.50	146.1	8.91	314.4	0.8	406.77	
*	151024	1530	+9:00	31-22.4730 N	146-19.0126 E	0.00		142.8	8.38	148.9	9.69	299.2	0.8	411.00	
*	151024	1600	+9:00	31-18.5933 N	146-21.8432 E	0.00		142.8	8.14	148.1	8.61	312.0	0.7	415.23	
*	151024	1630	+9:00	31-14.7893 N	146-24.7128 E	0.00		143.7	8.45	160.0	10.02	317.3	1.0	419.44	
*	151024	1700	+9:00	31-10.9386 N	146-27.5267 E	6095.92		145.3	8.67	163.2	9.10	309.7	0.9	423.68	
*	151024	1730	+9:00	31-07.0524 N	146-30.3467 E	0.00		144.1	8.22	150.9	7.83	300.4	0.8	427.91	
*	151024	1800	+9:00	31-03.1621 N	146-33.2960 E	0.00		144.3	8.55	152.1	9.73	305.0	0.6	432.11	
*	151024	1830	+9:00	30-59.3311 N	146-36.3336 E	0.00		143.8	8.48	136.3	8.89	350.4	0.7	436.31	
*	151024	1900	+9:00	30-55.4262 N	146-39.2903 E	0.00		146.4	8.61	154.7	9.66	331.3	0.6	440.54	
*	151024	1930	+9:00	30-51.5449 N	146-42.2323 E	6097.82		146.6	8.55	153.0	9.42	356.0	0.8	444.79	
*	151024	2000	+9:00	30-47.6047 N	146-45.0776 E	0.00		146.6	8.43	146.0	9.77	346.2	0.7	449.04	
*	151024	2030	+9:00	30-43.5564 N	146-47.9069 E	6161.18		147.5	8.47	145.3	9.53	327.2	0.6	453.31	
*	151024	2100	+9:00	30-39.3885 N	146-50.6410 E	0.00		148.4	8.12	140.8	8.59	321.1	0.5	457.55	
*	151024	2130	+9:00	30-35.1460 N	146-53.3533 E	6017.40		147.1	8.26	147.8	10.50	295.9	0.3	461.79	
*	151024	2200	+9:00	30-31.0833 N	146-56.3476 E	0.00		146.2	8.07	143.7	7.92	336.1	0.3	466.00	
*	151024	2230	+9:00	30-27.2513 N	146-59.5358 E	0.00		147.1	7.40	154.6	7.83	20.6	0.5	470.11	
*	151024	2300	+9:00	30-26.7113 N	146-59.8987 E	6136.58		62.5	0.00	320.2	1.52	22.8	0.4	470.73	
*	151024	2330	+9:00	30-27.0617 N	147-00.0135 E	0.00		106.3	-0.72	236.7	1.80	23.0	0.4	471.02	
*	151025	0000	+9:00	30-26.9375 N	146-59.8210 E	6137.08		84.0	0.07	45.1	0.47	21.6	0.5	471.03	
*	151025	0030	+9:00	30-26.7378 N	146-59.8405 E	6135.06		84.4	-0.11	160.4	2.29	24.1	0.5	471.03	
*	151025	0100	+9:00	30-26.5354 N	146-59.8614 E	6135.05		82.6	-0.14	349.8	2.48	21.3	0.4	471.04	
*	151025	0130	+9:00	30-26.9196 N	147-00.4131 E	5962.92		24.5	1.60	25.9	3.12	42.6	0.4	471.42	
*	151025	0200	+9:00	30-26.7450 N	147-00.2710 E	6143.56		79.5	-0.04	195.2	0.92	114.8	0.1	471.45	
*	151025	0230	+9:00	30-27.0630 N	146-59.6378 E	6140.66		82.2	-0.04	206.4	0.69	47.3	0.5	472.18	
*	151025	0330	+9:00	30-26.5330 N	146-59.7986 E	6133.02		65.4	-0.03	169.1	0.73	34.7	0.4	472.18	
*	151025	0400	+9:00	30-26.6303 N	147-00.1502 E	6144.19		20.0	0.31	342.7	0.91	31.0	0.4	472.32	
	151025	0400	+9:00	30-26.6409 N	147-00.1643 E	6144.33	M1	18.3	0.50	327.2	1.83	29.3	0.5	472.33	RELEASED MOORING BUOY SYSTEM FROM BOTTOM
*	151025	0430	+9:00	30-26.9149 N	147-00.2017 E	6137.67		359.5	0.33	334.6	0.88	26.0	0.4	472.56	
	151025	0441	+9:00	30-26.8794 N	147-00.3334 E	6139.87	M1	29.8	0.37	108.6	2.39	86.4	0.3	472.58	SURFACED MOORING BUOY SYSTEM
*	151025	0500	+9:00	30-27.0542 N	147-00.6270 E	6139.33		323.9	0.35	275.5	0.66	34.8	0.6	472.73	
*	151025	0530	+9:00	30-27.0364 N	147-00.6751 E	6140.95		313.8	0.57	294.3	0.95	31.6	0.2	472.91	
*	151025	0600	+9:00	30-26.9067 N	147-00.7328 E	6146.79		219.3	0.78	167.1	1.36	52.4	0.3	473.20	
*	151025	0630	+9:00	30-26.5136 N	147-00.8121 E	6149.44		227.9	1.02	179.6	1.36	122.1	0.2	473.52	

	151025	0700	+9:00	30-26.0260 N	147-00.6130 E	0.00		225.7	0.66	178.8	0.67	150.6	0.4	474.00	
	151025	0710	+9:00	30-25.8841 N	147-00.5839 E	0.00	M1	230.0	0.95	140.8	0.54	185.5	0.5	474.13	RECOVERED MOORING BUOY SYSTEM
*	151025	0730	+9:00	30-23.4371 N	147-00.6511 E	6155.64		179.8	8.89	177.4	10.57	37.9	0.4	476.26	
*	151025	0800	+9:00	30-18.3165 N	147-00.8376 E	0.00		180.1	9.09	181.1	10.04	68.3	0.3	480.68	
*	151025	0830	+9:00	30-13.0967 N	147-01.1370 E	6168.44		179.5	9.01	181.2	10.53	121.4	0.5	485.10	
*	151025	0900	+9:00	30-07.9406 N	147-00.5260 E	6241.60		188.9	9.00	178.4	10.41	79.3	0.3	489.51	
*	151025	0930	+9:00	30-02.9157 N	147-00.4352 E	6225.35		177.6	9.02	172.6	9.95	38.5	0.3	493.92	
	151025	0943	+9:00	30-00.7990 N	147-00.4873 E	6211.03	M5	181.2	5.91	193.3	6.59	340.8	0.2	495.81	RELEASED MOORING BUOY SYSTEM FROM BOTTOM
*	151025	1000	+9:00	29-59.4531 N	147-00.7636 E	6147.66		157.6	2.14	158.7	1.79	341.5	0.4	497.08	
	151025	1026	+9:00	29-59.6272 N	147-00.5350 E	6144.50	M5	312.3	1.01	255.4	1.71	334.4	0.5	497.39	SURFACED MOORING BUOY SYSTEM
*	151025	1030	+9:00	29-59.7423 N	147-00.5092 E	6147.23		325.7	1.22	339.2	2.45	351.3	0.4	497.46	
*	151025	1100	+9:00	30-00.2438 N	147-00.2617 E	6192.86		292.9	0.92	261.3	2.12	14.7	0.5	497.80	
*	151025	1130	+9:00	30-00.5108 N	146-59.8073 E	6213.38		300.5	0.51	314.4	1.33	344.5	0.6	498.09	
*	151025	1200	+9:00	30-00.8463 N	146-59.4158 E	0.00		300.4	0.35	331.4	1.24	347.0	0.6	498.35	
*	151025	1230	+9:00	30-01.1280 N	146-59.0674 E	6235.31		299.8	0.60	350.8	1.57	357.3	0.3	498.61	
	151025	1232	+9:00	30-01.1450 N	146-59.0303 E	6235.79	M5	299.3	0.67	315.6	1.98	10.4	0.3	498.64	RECOVERED MOORING BUOY SYSTEM
*	151025	1300	+9:00	30-01.2037 N	147-03.4808 E	0.00		93.4	8.83	87.3	10.03	10.3	0.6	501.88	
*	151025	1330	+9:00	30-01.0682 N	147-09.4382 E	0.00		95.9	8.78	94.8	10.65	357.7	0.8	506.28	
*	151025	1400	+9:00	30-00.8032 N	147-15.3503 E	0.00		95.7	8.68	88.7	11.39	3.1	0.9	510.69	
*	151025	1430	+9:00	30-00.4727 N	147-21.4473 E	0.00		95.1	8.79	89.5	11.59	33.8	0.8	515.13	
	151025	1457	+9:00	30-00.0502 N	147-27.0378 E	5160.27	M6	96.2	8.91	94.0	10.66	36.3	0.4	519.17	RELEASED MOORING BUOY SYSTEM FROM BOTTOM
*	151025	1530	+9:00	29-59.7439 N	147-31.9313 E	6214.73		349.9	0.26	93.0	2.21	88.8	0.6	522.63	
	151025	1532	+9:00	29-59.7198 N	147-31.9862 E	6214.55	M6	353.8	-0.28	132.2	0.78	71.0	0.5	522.63	SURFACED MOORING BUOY SYSTEM
*	151025	1600	+9:00	29-59.9889 N	147-31.6350 E	6009.96		350.4	-0.01	125.7	0.72	91.3	0.3	523.14	
*	151025	1630	+9:00	30-00.3089 N	147-31.8056 E	6227.12		16.5	1.30	20.5	1.57	72.1	0.3	523.38	
*	151025	1700	+9:00	30-00.8919 N	147-32.2928 E	6115.25		2.5	1.20	19.3	2.15	59.7	0.5	523.86	
*	151025	1730	+9:00	30-01.5283 N	147-32.5360 E	6193.76		6.1	1.07	4.2	1.59	79.0	0.4	524.34	
	151025	1754	+9:00	30-02.0624 N	147-32.8929 E	0.00	M6	14.0	0.89	27.6	2.74	66.6	0.5	524.72	RECOVERED MOORING BUOY SYSTEM
*	151025	1800	+9:00	30-02.1499 N	147-32.9844 E	0.00		30.2	0.29	18.4	0.96	79.3	0.4	524.79	
*	151025	1830	+9:00	30-02.4224 N	147-33.7401 E	9641.85		34.9	1.00	62.2	1.44	79.1	0.7	525.14	
*	151025	1900	+9:00	30-02.7589 N	147-34.6075 E	0.00		34.7	1.06	47.6	1.77	91.5	0.3	525.61	
*	151025	1930	+9:00	30-02.6847 N	147-35.0417 E	0.00		230.4	7.44	230.4	9.04	136.1	0.4	526.64	
*	151025	2000	+9:00	29-59.2903 N	147-30.6598 E	6223.72		229.4	9.06	223.2	10.59	120.6	0.2	530.95	
*	151025	2030	+9:00	29-55.9529 N	147-26.1201 E	0.00		230.1	9.21	228.6	10.35	26.2	0.2	535.37	
*	151025	2100	+9:00	29-52.6695 N	147-21.4951 E	0.00		228.5	8.79	230.2	10.59	300.8	0.2	539.78	
*	151025	2130	+9:00	29-49.2024 N	147-17.0183 E	6194.60		227.1	8.98	232.7	10.70	324.0	0.1	544.21	
*	151025	2200	+9:00	29-45.7427 N	147-12.5870 E	6227.37		229.2	9.00	231.6	9.95	317.1	0.3	548.61	
*	151025	2230	+9:00	29-42.3166 N	147-08.2893 E	7367.35		222.6	8.92	230.9	10.64	359.9	0.3	553.02	

*	151025	2300	+9:00	29-38.5528 N	147-04.3529 E	6316.40		223.2	9.10	220.4	9.56	26.6	0.4	557.46	
*	151025	2330	+9:00	29-34.7130 N	147-00.5178 E	0.00		224.3	8.54	224.9	9.85	109.0	0.3	561.89	
*	151026	0000	+9:00	29-33.8933 N	146-59.8539 E	6158.28		11.4	0.15	101.0	0.94	117.5	0.3	563.04	
*	151026	0030	+9:00	29-33.8475 N	147-00.0239 E	6152.04		20.4	0.00	319.1	0.89	95.8	0.4	563.11	
*	151026	0100	+9:00	29-33.7347 N	147-00.3182 E	6145.12		24.8	0.07	161.6	0.43	78.2	0.3	563.15	
*	151026	0130	+9:00	29-33.6489 N	147-00.5569 E	6141.38		21.8	0.09	131.0	1.91	80.9	0.4	563.18	
*	151026	0200	+9:00	29-33.5704 N	147-00.7993 E	6142.46		20.9	0.13	68.6	1.26	97.3	0.5	563.22	
*	151026	0230	+9:00	29-33.5027 N	147-01.0134 E	6157.25		18.0	0.09	303.5	0.95	64.9	0.3	563.25	
*	151026	0300	+9:00	29-33.4946 N	147-01.0260 E	6152.56		358.5	0.02	246.7	1.19	59.6	0.3	563.30	
*	151026	0330	+9:00	29-33.4943 N	147-00.9191 E	6148.11		0.6	0.32	317.2	0.72	98.6	0.2	563.37	
*	151026	0400	+9:00	29-33.4953 N	147-00.8293 E	6145.19		9.5	0.14	100.5	0.55	70.2	0.2	563.44	
*	151026	0430	+9:00	29-33.4010 N	147-00.7521 E	6541.04		321.4	0.74	266.1	1.24	109.6	0.2	563.53	
	151026	0452	+9:00	29-33.3079 N	147-00.3510 E	6147.25	M9	317.0	0.47	320.1	1.02	108.8	0.1	563.77	RELEASED MOORING BUOY SYSTEM FROM BOTTOM
*	151026	0500	+9:00	29-33.2655 N	147-00.2057 E	6147.22		318.9	0.22	234.8	0.79	101.6	0.1	563.84	
*	151026	0530	+9:00	29-33.2743 N	146-59.8856 E	6144.90		3.2	-0.17	216.8	0.96	5.7	0.0	564.01	
	151026	0539	+9:00	29-33.0812 N	146-59.8597 E	6145.83	M9	359.4	-0.29	179.5	1.49	23.4	0.1	564.01	SURFACED MOORING BUOY SYSTEM
*	151026	0600	+9:00	29-33.2207 N	146-59.3286 E	9834.23		25.6	0.30	55.3	1.16	289.0	0.3	564.45	
*	151026	0700	+9:00	29-34.4030 N	147-00.2699 E	6164.00		14.8	1.22	327.7	2.02	68.7	0.5	565.36	
*	151026	0730	+9:00	29-35.2464 N	147-00.6566 E	0.00		15.0	0.81	338.6	1.25	52.2	0.4	565.96	
	151026	0730	+9:00	29-35.2531 N	147-00.6592 E	0.00	M9	17.2	0.86	40.5	1.46	53.1	0.4	565.97	RECOVERED MOORING BUOY SYSTEM
*	151026	0800	+9:00	29-35.2957 N	147-00.6945 E	6156.19		34.0	-0.07	109.7	0.40	132.3	0.3	566.00	
*	151026	0830	+9:00	29-35.2951 N	147-00.6949 E	6155.61		35.3	-0.05	154.3	0.39	52.9	0.4	566.00	
*	151026	0900	+9:00	29-35.2956 N	147-00.6946 E	6155.33		33.6	0.02	285.9	1.23	51.6	0.4	566.00	
*	151026	0930	+9:00	29-35.2457 N	147-00.6537 E	6156.97		36.9	-0.13	352.8	0.84	47.1	0.4	566.00	
	151026	0933	+9:00	29-35.2466 N	147-00.6543 E	6156.16	C002	35.3	-0.04	321.8	2.09	55.6	0.3	566.00	STARTED CTD
*	151026	1000	+9:00	29-35.2449 N	147-00.6564 E	6156.51		33.9	-0.26	112.4	2.45	65.3	0.5	566.00	
*	151026	1030	+9:00	29-35.2458 N	147-00.6540 E	6156.62		34.0	-0.02	302.9	1.97	77.4	0.6	566.00	
*	151026	1100	+9:00	29-35.2436 N	147-00.6563 E	6156.79		35.1	-0.10	300.8	0.89	88.0	0.6	566.00	
*	151026	1130	+9:00	29-35.2467 N	147-00.6546 E	6158.25		35.7	0.04	58.9	0.70	80.4	0.6	566.01	
	151026	1130	+9:00	29-35.2460 N	147-00.6559 E	6156.30	C002	35.2	-0.06	97.9	1.14	77.4	0.6	566.01	CTD DEEPEST
*	151026	1200	+9:00	29-35.2456 N	147-00.6554 E	6156.40		28.8	-0.09	114.6	2.33	88.2	0.7	566.01	
*	151026	1230	+9:00	29-35.2455 N	147-00.6554 E	6156.48		27.2	-0.08	304.7	1.81	88.6	0.7	566.02	
*	151026	1300	+9:00	29-35.2453 N	147-00.6555 E	6157.70		26.7	0.05	206.3	0.99	98.8	0.5	566.03	
*	151026	1330	+9:00	29-35.2447 N	147-00.6558 E	6157.07		26.2	-0.02	76.0	0.98	100.8	0.5	566.05	
	151026	1351	+9:00	29-35.2464 N	147-00.6546 E	6157.66	C002	24.1	0.09	323.5	0.91	97.4	0.5	566.07	FINISHED CTD
*	151026	1400	+9:00	29-35.2461 N	147-00.6541 E	6157.44		23.8	0.01	349.3	0.72	97.5	0.6	566.08	
*	151026	1430	+9:00	29-36.9178 N	146-58.7110 E	0.00		311.3	6.28	317.7	8.07	103.7	0.9	568.26	
*	151026	1500	+9:00	29-38.9957 N	146-55.6463 E	6129.40		308.6	6.30	290.9	5.80	128.0	1.0	571.44	



*	151026	1530	+9:00	29-41.0351 N	146-52.4968 E	0.00		310.1	6.67	293.1	8.06	154.4	0.8	574.69	
*	151026	1600	+9:00	29-43.0930 N	146-49.1473 E	0.00		309.1	6.38	301.2	6.06	168.1	0.7	577.95	
*	151026	1630	+9:00	29-45.4240 N	146-46.0109 E	6192.13		316.3	6.91	314.8	7.19	159.0	0.6	581.18	
*	151026	1700	+9:00	29-48.4852 N	146-42.4238 E	0.00		316.3	8.32	312.8	9.67	179.1	0.3	585.03	
*	151026	1730	+9:00	29-51.8047 N	146-38.5345 E	0.00		318.0	8.19	315.9	11.15	229.2	0.3	589.05	
*	151026	1800	+9:00	29-55.2238 N	146-34.6328 E	7902.10		316.8	7.99	319.2	9.40	264.8	0.1	593.11	
*	151026	1830	+9:00	29-58.1661 N	146-31.3143 E	0.00		320.0	4.74	328.0	5.64	137.7	0.0	596.64	
*	151026	1900	+9:00	30-01.7225 N	146-29.8724 E	0.00		348.0	4.30	352.0	5.90	293.0	0.1	599.86	
*	151026	1930	+9:00	29-59.9987 N	146-26.8583 E	6130.11		224.6	2.71	225.0	3.67	180.9	0.3	602.85	
*	151026	2000	+9:00	29-59.8506 N	146-28.6197 E	6118.27		38.3	0.06	145.8	1.25	279.6	0.0	604.21	
*	151026	2030	+9:00	29-59.8724 N	146-28.5935 E	6117.55		48.6	0.12	341.9	1.37	75.4	0.1	604.27	
*	151026	2100	+9:00	29-59.9373 N	146-28.5305 E	6115.81		60.6	0.07	154.3	1.89	359.9	0.1	604.30	
*	151026	2130	+9:00	29-59.9182 N	146-28.5420 E	6115.89		58.6	0.16	170.9	1.43	9.2	0.1	604.35	
*	151026	2200	+9:00	29-59.9729 N	146-28.5064 E	6115.37		61.1	-0.02	190.8	0.86	30.5	0.3	604.36	
*	151026	2230	+9:00	29-59.8008 N	146-28.1398 E	6115.99		71.0	0.05	352.9	1.50	106.4	0.2	604.37	
*	151026	2300	+9:00	29-59.7867 N	146-28.1375 E	6115.72		58.4	0.00	294.6	1.26	15.9	0.4	604.39	
*	151026	2330	+9:00	29-59.9598 N	146-28.4394 E	6116.84		73.0	-0.04	114.2	0.58	45.0	0.4	604.57	
*	151027	0000	+9:00	29-59.9801 N	146-28.4318 E	6114.67		74.3	0.01	311.4	0.89	31.8	0.5	604.58	
*	151027	0030	+9:00	30-00.0409 N	146-28.4086 E	6115.43		62.9	-0.10	307.7	1.88	47.1	0.7	604.58	
*	151027	0100	+9:00	30-00.2449 N	146-28.2270 E	6121.06		41.0	-0.06	187.6	0.83	51.5	0.6	604.58	
*	151027	0130	+9:00	30-00.3658 N	146-27.9641 E	6117.34		7.0	0.07	237.9	0.49	62.9	0.5	604.58	
*	151027	0200	+9:00	30-00.3567 N	146-27.7035 E	6117.85		16.6	-0.13	38.6	0.50	47.6	0.6	604.59	
*	151027	0230	+9:00	30-00.3953 N	146-27.4022 E	6288.83		33.0	-0.08	293.5	0.61	48.1	0.7	604.59	
*	151027	0300	+9:00	30-00.1059 N	146-29.0822 E	6113.36		351.2	0.21	133.7	0.80	82.3	0.8	605.65	
*	151027	0330	+9:00	30-00.0773 N	146-28.8519 E	6113.52		11.4	-0.19	6.3	0.40	75.9	0.6	605.66	
*	151027	0400	+9:00	30-00.1594 N	146-28.6104 E	6114.40		24.5	-0.15	87.1	0.32	75.8	0.6	605.66	
*	151027	0430	+9:00	30-00.2035 N	146-28.4515 E	6116.86		105.2	-0.08	233.6	0.38	95.7	0.6	605.66	
	151027	0457	+9:00	30-00.1643 N	146-28.4482 E	6116.51	M4	87.5	-0.16	200.4	1.57	91.5	0.7	605.66	RELEASED MOORING BUOY SYSTEM FROM BOTTOM
*	151027	0500	+9:00	30-00.1590 N	146-28.4502 E	6116.68		86.7	-0.22	15.2	0.99	84.6	0.7	605.66	
	151027	0527	+9:00	30-00.1980 N	146-28.4425 E	6117.34	M4	89.5	-0.11	253.0	0.73	86.4	0.7	605.66	SURFACED MOORING BUOY SYSTEM
*	151027	0530	+9:00	30-00.1880 N	146-28.4451 E	6117.29		87.1	-0.10	159.6	0.82	92.5	0.6	605.66	
*	151027	0600	+9:00	30-00.0349 N	146-28.5689 E	6115.42		86.5	-0.11	166.7	1.03	93.7	0.6	605.67	
*	151027	0630	+9:00	30-00.1977 N	146-29.3108 E	5746.71		72.4	0.66	71.5	1.29	99.0	0.5	606.03	
*	151027	0700	+9:00	30-00.2607 N	146-30.1673 E	6128.35		89.5	0.88	119.5	1.68	127.8	0.5	606.41	
*	151027	0730	+9:00	30-00.1553 N	146-31.0417 E	6127.29		88.6	0.73	132.6	2.10	110.3	0.4	606.79	
*	151027	0800	+9:00	30-00.0761 N	146-31.8936 E	6176.44		89.0	0.66	91.1	1.41	117.1	0.5	607.20	
	151027	0818	+9:00	30-00.0499 N	146-32.4702 E	6182.30	M4	89.8	0.93	138.0	2.38	129.5	0.5	607.47	RECOVERED MOORING BUOY SYSTEM
*	151027	0830	+9:00	30-00.4268 N	146-31.8513 E	6166.89		299.3	8.15	291.3	10.08	140.1	0.7	608.10	

*	151027	0900	+9:00	30-03. 2235 N	146-26. 2743 E	6106. 78		300. 3	10. 09	302. 3	10. 86	111. 2	0. 4	612. 99	
*	151027	0930	+9:00	30-06. 0962 N	146-20. 5853 E	0. 00		300. 1	10. 23	300. 6	11. 68	122. 3	0. 6	618. 06	
*	151027	1000	+9:00	30-08. 9126 N	146-14. 8875 E	0. 00		299. 4	10. 30	299. 2	11. 59	147. 0	0. 6	623. 15	
*	151027	1030	+9:00	30-11. 8253 N	146-09. 1144 E	0. 00		306. 9	10. 40	310. 4	11. 66	155. 4	0. 5	628. 27	
	151027	1100	+9:00	30-15. 2539 N	146-03. 7010 E	0. 00		306. 9	10. 05	303. 4	11. 91	119. 0	0. 2	633. 36	
*	151027	1130	+9:00	30-18. 8589 N	145-58. 3011 E	6148. 63		306. 3	9. 95	307. 6	12. 18	74. 9	0. 4	638. 44	
*	151027	1200	+9:00	30-22. 3793 N	145-53. 1396 E	6136. 41		304. 8	9. 83	305. 6	10. 92	70. 0	0. 4	643. 39	
*	151027	1230	+9:00	30-25. 9500 N	145-47. 8759 E	6118. 62		306. 0	9. 93	305. 1	11. 86	41. 9	0. 3	648. 36	
*	151027	1300	+9:00	30-29. 5344 N	145-42. 5949 E	0. 00		306. 4	10. 07	308. 3	11. 32	7. 3	0. 1	653. 32	
*	151027	1330	+9:00	30-33. 0213 N	145-37. 0102 E	6130. 98		305. 7	9. 77	303. 8	11. 52	249. 3	0. 5	658. 25	
*	151027	1400	+9:00	30-36. 4904 N	145-31. 3539 E	6028. 36		305. 6	9. 74	301. 3	12. 22	273. 3	0. 8	663. 10	
*	151027	1430	+9:00	30-39. 8980 N	145-25. 5175 E	0. 00		306. 3	9. 72	305. 3	12. 64	267. 4	0. 7	667. 97	
*	151027	1500	+9:00	30-43. 2671 N	145-19. 6587 E	5949. 46		305. 1	10. 05	298. 5	12. 56	268. 2	0. 9	672. 85	
*	151027	1530	+9:00	30-46. 7599 N	145-13. 7810 E	6026. 38		307. 2	9. 71	309. 7	12. 19	289. 3	0. 9	677. 74	
*	151027	1600	+9:00	30-50. 3834 N	145-07. 9229 E	6051. 10		307. 0	9. 72	310. 4	12. 41	297. 9	1. 1	682. 62	
*	151027	1630	+9:00	30-53. 9947 N	145-02. 0602 E	5998. 93		306. 0	9. 63	306. 6	12. 54	289. 4	0. 7	687. 51	
*	151027	1700	+9:00	30-57. 5940 N	144-56. 3379 E	6058. 25		304. 7	9. 95	309. 3	12. 52	298. 6	0. 6	692. 40	
*	151027	1730	+9:00	31-01. 1434 N	144-50. 6138 E	5795. 06		304. 7	9. 91	307. 3	12. 31	295. 7	0. 6	697. 29	
*	151027	1800	+9:00	31-04. 7097 N	144-45. 0289 E	5734. 77		307. 0	9. 76	309. 7	11. 49	297. 2	0. 3	702. 20	
*	151027	1830	+9:00	31-08. 2105 N	144-39. 4747 E	5746. 92		306. 3	9. 97	305. 1	11. 95	328. 8	0. 4	707. 11	
*	151027	1900	+9:00	31-11. 6284 N	144-33. 7983 E	5777. 62		309. 6	9. 90	305. 6	11. 38	250. 0	0. 6	712. 04	
*	151027	1930	+9:00	31-14. 8737 N	144-27. 9657 E	5785. 34		305. 8	9. 93	308. 4	11. 98	242. 3	0. 8	716. 98	
*	151027	2000	+9:00	31-18. 4159 N	144-22. 3466 E	5821. 05		309. 3	9. 52	313. 4	12. 03	282. 6	0. 5	721. 93	
*	151027	2030	+9:00	31-22. 1167 N	144-16. 8262 E	5860. 25		306. 1	10. 28	304. 6	12. 10	293. 1	0. 4	726. 92	
*	151027	2100	+9:00	31-25. 7280 N	144-11. 3621 E	0. 00		308. 5	9. 79	309. 3	11. 72	283. 8	0. 2	731. 92	
*	151027	2130	+9:00	31-29. 3352 N	144-05. 9185 E	5871. 25		307. 4	9. 44	311. 4	12. 20	334. 2	0. 0	736. 93	
*	151027	2200	+9:00	31-32. 7337 N	144-00. 4531 E	5824. 30		301. 2	9. 82	294. 6	11. 22	145. 0	0. 2	741. 94	
*	151027	2230	+9:00	31-35. 9651 N	143-55. 0700 E	0. 00		301. 1	10. 00	310. 4	11. 82	97. 6	0. 5	746. 97	
*	151027	2300	+9:00	31-39. 2210 N	143-49. 6483 E	5954. 36		306. 7	10. 24	310. 5	11. 69	70. 4	0. 3	751. 98	
*	151027	2330	+9:00	31-42. 4982 N	143-44. 2524 E	5912. 35		301. 0	9. 89	304. 9	10. 84	76. 9	0. 5	757. 01	
*	151028	0000	+9:00	31-45. 6898 N	143-38. 8625 E	0. 00		304. 9	10. 03	307. 3	11. 38	80. 0	0. 5	762. 04	
*	151028	0030	+9:00	31-48. 8338 N	143-33. 4048 E	5809. 59		301. 1	10. 08	300. 5	10. 99	127. 2	0. 5	767. 06	
*	151028	0100	+9:00	31-51. 8364 N	143-27. 8859 E	5605. 28		302. 9	9. 77	300. 9	11. 05	130. 9	0. 4	772. 07	
*	151028	0130	+9:00	31-54. 8455 N	143-22. 4094 E	0. 00		300. 9	10. 08	300. 1	11. 41	150. 7	0. 7	777. 08	
*	151028	0200	+9:00	31-57. 7521 N	143-16. 7880 E	0. 00		301. 6	9. 76	294. 1	11. 67	204. 3	0. 5	782. 10	
*	151028	0230	+9:00	32-00. 9686 N	143-11. 2759 E	0. 00		302. 4	9. 76	296. 1	11. 18	193. 6	0. 4	787. 09	
*	151028	0300	+9:00	32-04. 1587 N	143-05. 8774 E	0. 00		306. 1	10. 12	309. 7	10. 95	178. 2	0. 7	792. 07	
*	151028	0330	+9:00	32-07. 0987 N	143-01. 1390 E	5344. 77		305. 0	9. 24	306. 7	9. 74	152. 5	0. 6	796. 55	

*	151028	0400	+9:00	32-10. 0735 N	142-56. 3388 E	0. 00		306. 1	9. 33	306. 6	10. 11	177. 8	0. 6	801. 15	
*	151028	0430	+9:00	32-12. 9396 N	142-51. 5173 E	5852. 62		304. 3	9. 26	306. 8	10. 40	194. 3	1. 1	805. 72	
*	151028	0530	+9:00	32-19. 1835 N	142-41. 8654 E	0. 00		311. 4	9. 19	313. 8	10. 12	191. 2	0. 6	814. 87	
*	151028	0600	+9:00	32-22. 2103 N	142-37. 1351 E	0. 00		306. 4	8. 84	303. 5	10. 93	213. 8	0. 7	819. 39	
*	151028	0630	+9:00	32-25. 2662 N	142-32. 2360 E	9325. 93		305. 4	8. 81	304. 6	9. 73	203. 5	1. 0	823. 88	
*	151028	0700	+9:00	32-28. 4423 N	142-27. 4542 E	7293. 78		307. 5	8. 89	312. 4	10. 16	213. 9	0. 5	828. 33	
*	151028	0730	+9:00	32-31. 5795 N	142-22. 5762 E	0. 00		304. 0	8. 66	304. 4	11. 55	260. 8	0. 6	832. 74	
*	151028	0800	+9:00	32-34. 3980 N	142-17. 4072 E	8749. 81		306. 5	8. 76	305. 8	10. 22	233. 1	0. 7	837. 12	
*	151028	0830	+9:00	32-37. 0092 N	142-12. 5544 E	7429. 41		304. 2	8. 72	294. 2	9. 91	198. 6	0. 9	841. 51	
*	151028	0900	+9:00	32-39. 6023 N	142-07. 6400 E	0. 00		307. 2	8. 86	296. 0	10. 36	239. 2	1. 0	845. 92	
*	151028	0930	+9:00	32-42. 5497 N	142-02. 7976 E	0. 00		309. 1	8. 57	299. 9	10. 58	259. 1	0. 6	850. 35	
*	151028	1000	+9:00	32-45. 7508 N	141-58. 1349 E	9638. 79		309. 3	8. 61	304. 9	10. 44	287. 5	0. 3	854. 75	
*	151028	1030	+9:00	32-48. 0788 N	141-52. 6550 E	7115. 83		294. 3	8. 74	298. 2	10. 27	285. 0	0. 4	859. 18	
*	151028	1100	+9:00	32-50. 4264 N	141-46. 9045 E	0. 00		293. 1	8. 93	292. 2	11. 23	316. 4	0. 8	863. 63	
*	151028	1130	+9:00	32-52. 8947 N	141-41. 0941 E	0. 00		296. 6	8. 73	303. 0	10. 51	333. 8	0. 9	868. 06	
*	151028	1200	+9:00	32-55. 5278 N	141-35. 4099 E	0. 00		295. 8	8. 55	298. 1	10. 73	329. 5	1. 0	872. 45	
*	151028	1230	+9:00	32-58. 1720 N	141-29. 7313 E	0. 00		295. 0	8. 69	298. 4	11. 11	334. 7	0. 9	876. 83	
*	151028	1300	+9:00	33-01. 0160 N	141-24. 2769 E	0. 00		296. 1	8. 68	305. 0	10. 64	358. 7	1. 0	881. 19	
*	151028	1330	+9:00	33-03. 6309 N	141-18. 9535 E	3683. 52		295. 6	8. 73	299. 5	10. 74	345. 4	0. 5	885. 55	
*	151028	1400	+9:00	33-05. 4869 N	141-13. 2746 E	3250. 34		299. 9	8. 67	304. 2	11. 20	307. 8	0. 4	889. 97	
*	151028	1430	+9:00	33-08. 6241 N	141-07. 7997 E	2763. 34		299. 2	8. 65	304. 9	11. 22	345. 0	1. 4	894. 37	
*	151028	1500	+9:00	33-11. 7570 N	141-02. 1018 E	2505. 47		296. 5	8. 79	304. 3	11. 55	349. 3	1. 9	898. 79	
*	151028	1530	+9:00	33-15. 6602 N	140-57. 1062 E	2585. 84		311. 3	8. 64	319. 8	11. 47	1. 5	1. 8	903. 18	
*	151028	1600	+9:00	33-19. 9430 N	140-52. 6979 E	2062. 21		308. 7	8. 80	318. 3	11. 80	12. 1	2. 1	907. 56	
*	151028	1630	+9:00	33-24. 1824 N	140-48. 3013 E	1765. 23		304. 8	8. 56	314. 4	11. 48	12. 7	2. 3	911. 91	
*	151028	1700	+9:00	33-28. 1126 N	140-43. 3892 E	1609. 84		299. 5	8. 60	310. 7	11. 04	8. 3	2. 7	916. 24	
*	151028	1730	+9:00	33-31. 9548 N	140-38. 2951 E	1532. 46		300. 7	8. 58	312. 0	11. 56	6. 3	2. 4	920. 60	
*	151028	1800	+9:00	33-35. 8711 N	140-33. 3480 E	1358. 92		300. 4	8. 55	311. 9	10. 52	9. 7	2. 4	924. 94	
*	151028	1830	+9:00	33-39. 6876 N	140-28. 3309 E	1224. 95		301. 5	8. 69	311. 2	11. 45	1. 3	2. 5	929. 26	
*	151028	1900	+9:00	33-43. 3425 N	140-23. 1504 E	1025. 24		299. 7	8. 54	301. 8	11. 02	343. 1	1. 5	933. 54	
*	151028	1930	+9:00	33-48. 0798 N	140-19. 8759 E	933. 30		331. 8	8. 67	337. 5	10. 78	330. 2	1. 5	937. 81	
*	151028	2000	+9:00	33-53. 0044 N	140-17. 1356 E	988. 57		331. 0	8. 21	342. 2	11. 83	331. 1	0. 9	942. 03	
*	151028	2030	+9:00	33-57. 7467 N	140-14. 3110 E	0. 00		328. 3	8. 61	327. 7	9. 80	352. 6	0. 4	946. 24	
*	151028	2100	+9:00	34-02. 3580 N	140-11. 6701 E	0. 00		333. 7	8. 58	342. 8	9. 54	322. 5	0. 7	950. 50	
*	151028	2130	+9:00	34-06. 9083 N	140-09. 0920 E	0. 00		333. 3	7. 86	331. 4	9. 21	317. 5	0. 7	954. 60	
*	151028	2200	+9:00	34-11. 3049 N	140-06. 5986 E	0. 00		333. 9	7. 92	332. 2	10. 58	310. 3	0. 8	958. 62	
*	151028	2230	+9:00	34-15. 9784 N	140-04. 2613 E	0. 00		331. 3	8. 06	327. 8	10. 12	321. 5	0. 9	962. 74	
*	151028	2300	+9:00	34-20. 6991 N	140-02. 0024 E	0. 00		334. 6	8. 55	341. 9	10. 70	354. 0	0. 5	966. 91	

*	151028	2330	+9:00	34-25. 2780 N	139-59. 6009 E	0. 00		332. 2	8. 43	327. 7	10. 01	77. 5	0. 1	971. 19	
*	151029	0000	+9:00	34-29. 7522 N	139-56. 9187 E	0. 00		329. 4	9. 07	334. 9	10. 22	201. 0	0. 1	975. 61	
*	151029	0030	+9:00	34-34. 4573 N	139-53. 9698 E	0. 00		332. 8	9. 12	334. 2	10. 40	339. 9	0. 2	980. 13	
*	151029	0100	+9:00	34-39. 2942 N	139-50. 8206 E	0. 00		338. 4	9. 07	331. 4	11. 03	258. 1	1. 1	984. 69	
*	151029	0130	+9:00	34-44. 1492 N	139-47. 7075 E	0. 00		338. 6	8. 98	337. 7	11. 01	289. 0	0. 7	989. 19	
*	151029	0200	+9:00	34-49. 1666 N	139-45. 2544 E	0. 00		354. 8	8. 76	348. 1	10. 58	343. 7	0. 4	993. 65	
*	151029	0230	+9:00	34-54. 3437 N	139-43. 5145 E	0. 00		339. 6	8. 94	338. 4	10. 88	340. 9	0. 4	998. 11	
*	151029	0300	+9:00	34-58. 8479 N	139-43. 3972 E	0. 00		28. 0	7. 72	30. 3	10. 49	24. 2	1. 1	1002. 24	
*	151029	0330	+9:00	35-00. 6219 N	139-47. 8836 E	0. 00		88. 2	3. 98	93. 6	4. 81	87. 0	0. 2	1006. 03	
*	151029	0400	+9:00	35-00. 5723 N	139-48. 2422 E	0. 00		10. 6	0. 09	103. 5	0. 55	12. 1	0. 2	1006. 28	
*	151029	0430	+9:00	35-00. 5703 N	139-48. 2572 E	0. 00		7. 9	0. 05	56. 6	0. 15	77. 8	0. 1	1006. 31	
*	151029	0500	+9:00	35-00. 5667 N	139-48. 2918 E	0. 00		1. 1	0. 11	28. 5	0. 15	103. 3	0. 2	1006. 35	
*	151029	0530	+9:00	35-00. 5668 N	139-48. 2753 E	0. 00		4. 7	0. 17	107. 9	0. 40	133. 5	0. 3	1006. 43	