

KH-11-4,6 Net Record (ORIBF, IKMT)

KH-11-4

St.	Location		Date	Time		Net Type	Mesh size (mm)	Towing Method	Wire out (m)	Sampl. layer (m)	Reel. speed (m/s)	Ship speed (kt)	Fit. volume (m <sup>3</sup> )	Flow-meter No.	Sea Depth (m)	Note
	Net in	Net out		Net in	Net out											
1	N14-54.23 E143-30.38	N14-55.06 E143-32.43	110523	20:20	21:42	ORI	0.5	Step 6 layer	415	191	1.0-0.2	2.3-1.6	X	1837	56440	6層で各5分間水平引き
2	N13-50.30 E143-30.33	N13-49.60 E143-33.05	110524	02:19	03:31	ORI	0.5	Step 6 layer	462	185	0.5-0.3	2.1-1.5	X	1837	51010	175m,150m,120m,90m,60m,30m
3	N11-23.33 E142-33.43	N11-27.23 E142-27.17	110524	16:44	17:48	IKMT	5.0	Obl.	2400	-	1.0-0.5	4.0-2.0	X	X	X	8976-10453
4	N11-30.09 E139-59.83	N11-30.10 E139-58.43	110525	06:00	06:43	ORI	0.5	Obl.	826	-	1.0-0.5	2.5-1.5	X	X	X	1836-2009
5	N12-00.32 E139-59.99	N11-58.86 E139-59.50	110525	10:04	10:46	ORI	0.5	Obl.	800	352	1.0-0.5	2.5-1.3	X	1837	31610	3639-3712
6	N12-30.46 E135-59.32	N12-26.76 E139-57.51	110525	14:14	15:02	ORI	0.5	Obl.	800	371	1.0-0.5	2.4-1.6	X	1837	35890	4209-4253
7	N13-00.47 E139-59.86	N13-00.05 E140-01.18	110525	18:30	19:17	ORI	0.5	Obl.	800	376	1.0-0.5	2.5-2.0	X	1837	33088	4761-4849
8	N13-30.20 E140-00.17	N13-29.32 E140-01.88	110525	22:36	23:40	ORI	0.5	Step 5 layer	401	156	1.0-0.2	2.4-1.3	X	1837	43835	175m層省略 150m,120m,90m,60m,30m
9	N14-00.10 E140-00.23	N13-58.37 E140-02.17	110526	03:01	04:06	ORI	0.5	Step 6 layer	484	184	0.8-0.5	2.5-1.6	X	1837	46510	4942-5003
10	N14-30.03 E139-59.73	N14-30.31 E140-00.73	110526	07:43	08:28	ORI	0.5	Obl.	800	395	1.0-0.5	2.5-1.3	X	1837	30310	4890-4893
11	N15-00.50 E140-00.00	N15-00.55 E140-01.51	110526	11:41	12:28	ORI	0.5	Obl.	800	-	1.0-0.5	2.2-1.6	X	1837	31580	4940-4946
12-1	N14-25.37 E143-01.82	N14-26.08 E143-04.44	110527	00:36	01:38	IKMT	5.0	Obl.	1000	-	0.6-0.5	3.6-1.9	X	X	X	1736-1987
12-2	N14-26.15 E143-04.73	N14-27.11 E143-07.62	110527	01:48	02:57	IKMT	5.0	Obl.	1000	-	0.5-0.4	2.5-2.0	X	X	X	2010-2747
13	N14-14.65 E142-51.35	N14-14.80 E142-50.89	110527	04:41	06:11	camera	-	Obl.	500	-	0.9-0.8	0.4-0.2	X	X	X	954-1341
14	N14-08.41 E142-51.46	N14-11.79 E142-59.40	110527	07:16	10:14	IKMT	5.0	Obl.	3500	-	1.0-0.5	3.5-2.5	X	X	X	1680-3234
15	N13-58.71 E142-45.64	N14-00.04 E142-53.48	110527	11:48	14:41	IKMT	5.0	Obl.	3000	-	1.0-0.5	3.5-2.1	X	X	X	1658-3906
16	N13-50.31 E142-42.67	N13-52.13 E142-48.46	110527	15:54	18:04	IKMT	5.0	Obl.	2500	-	1.0-0.5	3.5-2.5	X	X	X	1921-3448
17	N13-43.98 E142-38.58	N13-43.57 E142-41.00	110527	19:13	20:05	IKMT	5.0	Step 1 layer	710	266	1.0-0.5	3.5-2.1	X	X	X	1856-2310
18	N13-27.84 E142-28.31	N13-28.10 E142-31.20	110527	22:09	23:20	IKMT	5.0	Step 1 layer	620	260	1.0-0.3	3.5-2.0	X	X	X	2131-2374
19	N13-08.78 E142-17.86	N13-08.09 E142-20.64	110528	01:08	02:13	IKMT	5.0	Step 1 layer	746	227	1.0-0.5	3.6-1.7	X	X	X	1268-2944
20	N13-02.19 E142-12.52	N13-02.46 E142-15.09	110528	03:09	04:11	IKMT	5.0	Step 1 layer	700	215	1.0-0.5	3.5-2.2	X	X	X	1164-1708
21	N12-50.74 E142-07.89	N12-49.24 E142-12.46	110528	05:30	07:35	IKMT	5.0	Obl.	2500	-	1.0-0.5	3.5-2.5	X	X	X	1857-2988
22	N12-46.67 E142-05.22	N12-45.47 E142-10.03	110528	08:25	10:33	IKMT	5.0	Obl.	2500	-	1.0-0.5	3.5-1.9	X	X	X	1551-3026
23	N12-47.34 E141-26.06	N12-45.36 E141-29.95	110528	13:36	15:56	IKMT	5.0	Obl.	2500	-	1.0-0.5	3.5-2.5	X	X	X	1608-2778
24	N12-33.28 E141-21.66	N12-30.37 E141-25.13	110528	17:22	19:26	IKMT	5.0	Obl.	2500	-	1.0-0.5	3.5-2.5	X	X	X	1690-2312
25	N12-26.84 E141-18.29	N12-26.57 E141-20.92	110528	20:26	21:57	ORI	0.5	Step 5 layer	407	219	1.0-0.3	2.5-1.1	X	1837	55480	5層で各10分間水平引き
26	N12-21.96 E141-05.37	N12-20.65 E141-07.34	110528	23:30	00:52	ORI	0.5	Step 5 layer	432	212	1.0-0.5	2.5-1.3	X	1837	46118	200m,180m,150m,120m,90m
27	N12-26.69 E141-17.97	N12-26.57 E141-20.53	110529	02:14	03:37	ORI	0.5	Step 5 layer	492	205	1.0-0.5	2.4-1.4	X	1837	59465	1828-1929

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	Net in	Net out		Net in	Net out													
28	N 12-33.19	N 12-34.34	110529	04:39	05:55	ORI	0.5	Step 5 layer	448	197	1.0-0.5	2.5-2.0	X	1837	50000	1556-2400		
	E 141-21.52	E 141-23.64																
29	N 12-47.06	N 12-47.59	110529	07:16	08:42	ORI	0.5	Step 5 layer	493	222	1.0-0.5	2.5-1.1	X	1837	58440	1318-2913		
	E 141-24.89	E 141-27.67																
30	N 12-45.03	N 12-45.49	110529	10:00	11:13	ORI	0.5	Step 5 layer	418	190	1.0-0.3	2.5-0.8	X	1837	49190	1930-2190		
	E 141-40.10	E 141-42.53																
31	N 12-46.45	N 12-46.73	110529	13:04	14:29	ORI	0.5	Step 5 layer	522	196	1.0-0.5	2.5-1.6	X	1837	64320	1216-2834		
	E 142-05.02	E 142-08.31																
32	N 12-51.05	N 12-51.66	110529	15:17	16:34	ORI	0.5	Step 5 layer	448	204	1.0-0.5	2.5-1.6	X	1837	49310	1518-2662		
	E 142-08.05	E 142-10.79																
33	N 13-02.82	N 13-03.56	110529	17:49	19:05	ORI	0.5	Step 5 layer	428	199	1.0-0.5	2.5-2.0	X	1837	48708	995-1663		
	E 142-12.69	E 142-15.26																
34	N 13-08.86	N 13-09.54	110529	20:02	21:27	ORI	0.5	Step 5 layer	427	197	1.0-0.3	2.5-0.9	X	1837	53340	1295-2447		
	E 142-17.96	E 142-20.60																
33-1	N 13-02.96	N 13-03.44	110529	22:38	00:01	ORI	0.5	Step 5 layer	416	202	1.0-0.3	2.5-1.3	X	1837	51420	1008-1712	St.33に誤ってstepで水平引き(網操し)	
	E 142-12.70	E 142-15.51																
35	N 13-27.31	N 13-27.78	110530	02:44	04:04	ORI	0.5	Step 5 layer	450	200	1.0-0.5	2.5-1.8	X	1837	49032	2042-2384		
	E 142-28.16	E 142-30.74																
36	N 13-44.23	N 13-46.10	110530	05:42	07:10	ORI	0.5	Step 5 layer	616	201	1.0-0.5	2.5-2.0	X	1837	68682	1760-2055		
	E 142-38.42	E 142-41.39																
37	N 13-50.47	N 13-53.77	110530	07:54	09:24	ORI	0.5	Step 5 layer	583	205	1.0-0.5	2.5-1.1	X	1837	65710	1828-1992		
	E 142-42.48	E 142-44.62																
38	N 13-58.27	N 14-00.40	110530	10:13	11:39	ORI	0.5	Step 5 layer	508	203	1.0-0.3	2.5-1.0	X	1837	63795	1607-2014		
	E 142-45.08	E 142-48.01																
39	N 14-08.61	N 14-09.99	110530	12:37	14:03	ORI	0.5	Step 5 layer	586	202	1.0-0.5	2.5-1.4	X	1837	61540	1659-1783		
	E 142-51.36	E 142-54.50																
40	N 14-14.01	N 14-16.91	110530	14:48	16:10	ORI	0.5	Step 5 layer	527	201	1.0-0.5	2.5-1.7	X	1837	60600	776-1865		
	E 142-54.12	E 142-55.94																
41	N 14-25.52	N 14-27.35	110530	17:18	18:37	ORI	0.5	Step 5 layer	547	197	1.0-0.5	2.5-1.5	X	1837	59330	1711-2001		
	E 143-01.89	E 143-04.58																
42	N 14-25.23	N 14-23.46	110530	19:44	21:22	ORI	0.5	Step 5 layer	625	204	1.0-0.5	2.5-1.4	X	1837	54680	1783-1986		
	E 142-56.69	E 143-00.56																
43	N 14-13.80	N 14-12.04	110530	22:53	00:18	ORI	0.5	Step 5 layer	486	201	1.0-0.5	2.5-1.5	X	1837	59840	1147-1622		
	E 142-48.83	E 142-51.93																
44	N 14-08.00	N 14-05.97	110531	01:21	02:37	ORI	0.5	Step 5 layer	408	203	1.0-0.5	2.5-1.3	X	1837	45320	1801-2080		
	E 142-45.98	E 142-44.63																
45	N 13-58.34	N 13-57.20	110531	03:42	05:02	ORI	0.5	Step 5 layer	505	205	1.0-0.5	2.5-1.7	X	1837	52808	2228-2452		
	E 142-20.02	E 142-42.23																
46	N 13-50.14	N 13-48.95	110531	06:10	07:36	ORI	0.5	Step 5 layer	600	204	1.0-0.5	2.5-1.4	X	1837	64300	2103-2348		
	E 142-37.60	E 142-40.17																
47	N 13-44.15	N 13-42.84	110531	08:36	10:08	ORI	0.5	Step 5 layer	553	206	1.0-0.3	2.5-1.3	X	1837	67430	1992-2311		
	E 142-33.64	E 142-36.62																
48	N 13-27.32	N 13-25.78	110531	11:55	13:14	ORI	0.5	Step 5 layer	478	205	1.0-0.5	2.3-1.4	X	1837	50860	2206-2911		
	E 142-23.61	E 142-25.35																
49	N 13-08.77	N 13-05.90	110531	15:00	16:22	ORI	0.5	Step 5 layer	508	199	1.0-0.5	2.5-1.8	X	1837	60051	1841-2326		
	E 142-12.97	E 142-13.31																
50	N 13-02.87	N 13-02.55	110531	17:18	18:33	ORI	0.5	Step 5 layer	430	203	1.0-0.5	2.5-1.8	X	1837	46149	2776-2989		
	E 142-06.83	E 142-04.53																
51	N 12-50.65	N 12-48.87	110531	19:46	21:11	ORI	0.5	Step 5 layer	469	200	1.0-0.5	2.5-1.3	X	1837	57670	2182-2943		
	E 142-03.15	E 142-05.60																
52	N 12-46.38	N 12-45.24	110531	22:03	23:25	ORI	0.5	Step 5 layer	416	208	1.0-0.5	2.5-1.1	X	1837	50980	2162-2571		
	E 141-59.89	E 142-02.03																
53	N 12-45.05	N 12-44.64	110601	01:32	02:46	ORI	0.5	Step 5 layer	400	210	1.0-0.5	2.5-1.5	X	1837	42170	2420-2738		
	E 141-34.56	E 141-32.22																
54	N 12-46.89	N 12-47.41	110601	04:08	05:30	ORI	0.5	Step 5 layer	429	202	1.0-0.5	2.5-1.7	X	1837	55008	1771-3301		
	E 141-19.57	E 141-21.88																
55	N 12-33.15	N 12-32.62	110601	07:01	08:25	ORI	0.5	Step 5 layer	482	209	1.0-0.5	2.5-0.9	X	1837	55670	1754-2554		
	E 141-16.67	E 141-18.84																



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	Net in	Net out		Net in	Net out												
56	N 12-26.82	N 12-26.94	110601	09:23	10:47	ORI	0.5	Step	425	208	1.0-0.5	2.5-0.9	X	1837	50350	2133-2286	
	E 141-12.96	E 141-15.37															
57	N 12-22.04	N 12-22.21	110601	12:12	13:30	ORI	0.5	Step	470	203	1.0-0.5	2.5-1.3	X	1837	48090	2356-2440	
	E 141-00.12	E 141-02.32															
58	N 12-50.78	N 12-50.42	110601	16:43	17:46	ORI	0.5	Step	325	194	1.0-0.5	2.5-1.7	X	1837	32080	2837-3095	4層で各10分間水平引き 190m,170m,150m,100m
	E 141-14.96	E 141-61.40															

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	Net in	Net out		Net in	Net out												
1	N12-54.73 E141-16.64	N12-54.40 E141-16.64	110628	18:23	19:27	ORI	0.5	Step	382	200	1.0-0.5	2.5-2.0	X	1837	36315	4021-4067	4層 (180m,150m,120m,90m) 10分
2	N12-54.90 E141-30.09	N12-54.41 E141-32.04	110628	20:50	21:58	ORI	0.5	Step	477	200	1.0-0.5	2.5-2.0	X	1837	43190	3326-3407	4層 (180m,150m,120m,90m)
3	N12-54.96 E141-45.01	N12-54.74 E141-47.23	110628	23:15	00:29	ORI	0.5	Step	504	200	1.0-0.5	2.5-2.0	X	1837	51870	2794-3034	4層 (180m,150m,120m,90m)
4-1	N13-00.07 E141-55.13	N13-00.63 E141-57.52	110629	01:34	02:47	ORI	0.5	Step	550	200	1.0-0.5	2.5-2.0	X	1837	56900	3078-3125	4層 (180m,150m,120m,90m)
4-2	N12-54.05 E141-54.88	N13-00.32 E141-57.39	110629	04:29	05:46	ORI	0.5	Step	528	200	1.0-0.5	2.5-2.0	X	1837	58910	3078-3117	4層 (180m,150m,120m,90m)
4-3	N13-00.11 E141-55.00	N13-00.78 E141-56.18	110629	07:38	08:22	ORI	0.5	Hor	414	154	1.0-0.5	2.5-2.0	X	1837	30590	3115-3130	150m $\times$ 20分水引き
4-4	N13-00.06 E141-55.17	N13-00.27 E141-56.38	110629	08:55	09:39	ORI	0.5	Hor	379	150	1.0-0.5	2.5-2.0	X	1837	28260	3108-3121	150m $\times$ 20分水引き
4-5	N13-00.05 E141-55.10	N13-00.24 E141-56.60	110629	10:10	10:58	ORI	0.5	Hor	439	180	1.0-0.5	2.5-2.0	X	1837	32970	3104-3123	180m $\times$ 20分水引き
4-6	N13-00.05 E141-55.12	N13-00.27 E141-56.69	110629	11:31	12:24	ORI	0.5	Hor	598	251	1.0-0.5	2.5-2.0	X	1837	35090	3105-3123	250m $\times$ 20分水引き
4-7	N13-00.04 E141-55.04	N13-00.28 E141-56.29	110629	12:55	13:35	ORI	0.5	Hor	331	120	1.0-0.5	2.5-2.0	X	1837	27363	3108-3124	120m $\times$ 20分水引き
4-8	N13-00.10 E141-55.06	N13-00.23 E141-56.17	110629	14:05	14:38	ORI	0.5	Hor	194	60.9	1.0-0.5	2.5-2.0	X	1837	20250	3105-3120	60m $\times$ 20分水引き
4-9	N12-59.96 E141-55.09	N13-00.46 E141-57.81	110629	15:07	16:20	ORI	0.5	Hor	1044	422	1.0-0.5	2.5-2.0	X	1837	55050	3095-3143	420m $\times$ 20分水引き
5	N12-55.11 E141-45.12	N12-56.82 E141-47.46	110629	17:42	18:54	ORI	0.5	Step	593	203	1.0-0.5	2.5-2.0	X	1837	60555	2992-3122	4層 (180m,150m,120m,90m)
6	N13-05.00 E142-05.22	N13-05.78 E142-08.63	110629	21:32	22:50	ORI	0.5	Step	642	200	1.0-0.5	2.5-2.0	X	1837	X	2735-3027	4層 (180m,150m,120m,90m)
7	N12-50.28 E142-13.06	N12-51.65 E142-15.38	110630	05:20	06:36	ORI	0.5	Step	502	199	1.0-0.5	2.5-2.0	X	1837	68795	2928-3876	4層 (180m,150m,120m,90m)
8	N13-00.58 E142-20.87	N13-01.08 E142-23.46	110630	08:48	10:00	ORI	0.5	Step	565	200	1.0-0.5	2.5-2.0	X	1837	54940	3044-3440	4層 (180m,150m,120m,90m)
9	N13-05.07 E142-05.17	N13-05.61 E142-08.19	110630	11:42	12:57	ORI	0.5	Step	589	199	1.0-0.5	2.5-2.0	X	1837	60450	2795-3014	4層 (180m,150m,120m,90m)
10	N13-10.36 E142-10.10	N13-10.16 E142-12.77	110630	14:54	16:05	ORI	0.5	Step	503	199	1.0-0.5	2.5-2.0	X	1837	55290	2348-2553	4層 (180m,150m,120m,90m)
11	N13-10.28 E142-23.03	N13-11.22 E142-25.57	110630	18:07	19:16	ORI	0.5	Step	461	198	1.0-0.5	2.5-2.0	X	1837	52840	3028-3353	4層 (180m,150m,120m,90m)
12	N13-00.15 E141-55.16	N13-00.69 E141-57.63	110630	23:11	00:22	ORI	0.5	Step	503	200	1.0-0.5	2.5-2.0	X	1837	53380	3088-3140	4層 (180m,150m,120m,90m)
13	N12-59.91 E141-40.09	N13-00.22 E141-42.05	110701	01:54	03:04	ORI	0.5	Step	477	203	1.0-0.5	2.5-2.0	X	1837	44200	3480-3512	4層 (180m,150m,120m,90m)
14	N12-59.77 E141-24.76	N12-59.62 E141-26.42	110701	04:37	05:43	ORI	0.5	Step	437	202	1.0-0.5	2.5-2.0	X	1837	42875	3961-4014	4層 (180m,150m,120m,90m)
15	N12-55.03 E141-14.97	N12-54.60 E141-16.34	110701	06:58	08:03	ORI	0.5	Step	402	201	1.0-0.5	2.5-2.0	X	1837	36460	4042-4077	4層 (180m,150m,120m,90m)
16	N13-05.09 E141-50.00	N13-04.71 E141-52.21	110701	12:45	13:52	ORI	0.5	Step	492	174	1.0-0.5	2.5-2.0	X	1837	51050	3259-3357	4層 (170m,145m,120m,95m)
17	N13-10.02 E141-59.88	N13-09.17 E142-00.97	110701	14:52	15:50	ORI	0.5	Step	336	175	1.0-0.5	2.5-2.0	X	1837	33270	3136-3163	4層 (170m,145m,120m,95m)
18	N12-55.24 E142-10.12	N12-55.25 E142-12.56	110701	17:32	18:44	ORI	0.5	Step	429	179	1.0-0.5	2.5-2.0	X	1837	50540	1923-2818	4層 (170m,145m,120m,95m)
19	N12-55.15 E142-00.30	N12-55.29 E142-03.25	110701	20:09	21:20	ORI	0.5	Step	537	170	1.0-0.5	2.5-2.0	X	1837	58920	2188-2378	4層 (170m,145m,120m,95m)
20	N12-59.81 E141-55.07	N12-57.93 E141-54.59	110701	22:31	23:34	ORI	0.5	Step	344	180	1.0-0.5	2.5-2.0	X	1837	32420	2988-3133	4層 (170m,145m,120m,95m)
21	N12-55.04 E141-55.20	N12-53.03 E141-56.93	110702	00:16	01:24	ORI	0.5	Step	502	170	1.0-0.5	2.5-2.0	X	1837	51360	2514-2889	4層 (170m,145m,120m,95m)
22	N12-54.81 E141-50.19	N12-52.71 141-52.42	110702	02:26	03:41	ORI	0.5	Step	585	170	1.0-0.5	2.5-2.0	X	1837	61629	2656-2829	4層 (170m,145m,120m,95m)
23	N13-00.17 E141-50.07	N13-00.07 E141-50.07	110702	04:45	05:45	ORI	0.5	Obl	600	ナーがなし	1.0-0.2	2.5-2.0	X	1837	55095	3179-3228	スキャンマ一充電中

KH-11-4.6 Net Record (ORIBF, IKMT)

St.	Location		Date	Time		Net Type	Mesh size (mm)	Towing Method	Wire out (m)	Sampl. layer (m)	Reel. speed (m/s)	Ship speed (kt)	Filt. volume (m³)	Flow-meter Revol.	Flow-meter No.	Sea Depth (m)	Note	
	Net in	Net out		Net in	Net out													
24	E 141-50.32	E 141-52.93	110702	06:38	07:39	ORI	0.5	Obl	600	デ-グなし	1.0-0.2	2.5-2.0	X	1837	52610	3214-3257	スキヤンナー充電中	
	N 13-04.15	N 13-04.15																
	E 141-55.25	E 141-57.63	110702	09:01	10:11	ORI	0.5	Step	521		1.0-0.5	2.5-2.0	X	1837	47900	3216-3344	4層 (170m, 145m, 120m, 95m)	
25	N 12-59.91	N 12-58.43																
	E 141-43.38	E 141-47.35	110702	11:11	12:20	ORI	0.5	Step	485		1.0-0.5	2.5-2.0	X	1837	54060	2243-2335	4層 (170m, 145m, 120m, 95m)	
26	N 12-49.94	N 12-48.47																
	E 141-48.16	E 141-49.93	110702	13:22	14:28	ORI	0.5	Step	431		1.0-0.5	2.5-2.0	X	1837	43470	1793-2150	4層 (170m, 145m, 120m, 95m)	
27	N 12-40.00	N 12-39.20																
	E 141-31.55	E 141-31.55	110702	15:33	16:39	ORI	0.5	Step	351		1.0-0.5	2.5-2.0	X	1837	45565	3216-3597	4層 (170m, 145m, 120m, 95m)	
28	N 12-29.98	N 12-29.83																
	E 141-51.96	E 141-53.75	110702	18:00	19:14	ORI	0.5	Step	459		1.0-0.5	2.5-2.0	X	1837	54250	2920-3524	4層 (170m, 145m, 120m, 95m)	
29	N 12-19.95	N 12-18.55																
	E 141-45.14	E 141-46.99	110702	21:11	22:17	ORI	0.5	Step	421		1.0-0.5	2.5-2.0	X	1837	45095	5371-5479	4層 (170m, 145m, 120m, 95m)	
30	N 12-20.05	N 12-20.19																
	E 141-25.08	E 141-27.25	110703	00:21	01:27	ORI	0.5	Step	457		1.0-0.5	2.5-2.0	X	1837	47000	4140-4965	4層 (170m, 145m, 120m, 95m)	
31	N 12-09.77	N 12-09.12																
	E 141-05.00	E 141-07.53	110703	02:35	03:38	ORI	0.5	Step	422		1.0-0.5	2.5-2.0	X	1837	42308	4624-4745	4層 (170m, 145m, 120m, 95m)	
32	N 12-00.00	N 12-00.34																
	E 141-05.08	E 141-07.07	110703	06:58	08:00	ORI	0.5	Step	278		1.0-0.5	2.5-2.0	X	1837	35880	2145-2545	4層 (170m, 145m, 120m, 95m)	
33	N 12-20.15	N 12-21.42																
	E 140-24.09	E 140-25.28	110703	09:07	10:09	ORI	0.5	Step	365		1.0-0.5	2.5-2.0	X	1837	32575	4013-4028	4層 (170m, 145m, 120m, 95m)	
34	N 12-30.01	N 12-30.02																
	E 140-29.05	E 140-30.40	110703	11:45	12:46	ORI	0.5	Step	327		1.0-0.5	2.5-2.0	X	1837	32600	2883-3240	4層 (170m, 145m, 120m, 95m)	
35	N 12-40.05	N 12-40.46																
	E 140-43.12	E 140-44.40	110703	14:24	15:27	ORI	0.5	Step	365	デ-グなし	1.0-0.5	2.5-2.0	X	1837	41880	2214-2992	スキヤンナー充電中	
36	N 12-50.10	N 12-50.38																
	E 140-59.80	E 141-01.65	110703	17:49	19:03	ORI	0.5	Step	464		1.0-0.5	2.5-2.0	X	1837	55145	3665-3754	4層 (170m, 145m, 120m, 95m)	
37	N 13-00.16	N 13-01.15																
	E 141-30.26	E 141-32.79	110705	00:31	01:40	ORI	0.5	Step	523		1.0-0.5	2.5-2.0	X	1837	50210	3647-3782	4層 (170m, 145m, 120m, 95m)	
38	N 13-10.02	N 13-09.57																
	E 141-30.25	E 141-32.63	110705	02:52	04:00	ORI	0.5	Step	462		1.0-0.5	2.5-2.0	X	1837	43870	4158-4256	4層 (170m, 145m, 120m, 95m)	
39	N 13-20.18	N 13-20.22																
	E 141-35.08	E 141-37.22	110705	05:11	06:16	ORI	0.5	Step	384		1.0-0.5	2.5-2.0	X	1837	46230	3990-4094	4層 (170m, 145m, 120m, 95m)	
40	N 13-30.00	N 13-30.76																
	E 141-39.99	E 141-42.06	110705	07:26	08:28	ORI	0.5	Step	476		1.0-0.5	2.5-2.0	X	1837	41020	4244-4273	4層 (170m, 145m, 120m, 95m) 8分	
41	N 13-39.83	N 13-40.52																
	E 141-45.05	E 141-46.79	110705	09:32	10:24	ORI	0.5	Step	374		1.0-0.5	2.5-2.0	X	1837	26185	4285-4355	4層 (170m, 145m, 120m, 95m) 8分	
42	N 13-50.03	N 13-50.40																
	E 141-50.19	E 141-51.50	110705	11:30	12:21	ORI	0.5	Step	368		1.0-0.5	2.5-2.0	X	1837	30330	4317-4327	4層 (170m, 145m, 120m, 95m) 8分	
43	N 14-00.23	N 14-01.02																
	E 141-55.14	E 141-56.61	110705	13:24	14:14	ORI	0.5	Step	375		1.0-0.5	2.5-2.0	X	1837	28790	4366-4384	4層 (170m, 145m, 120m, 95m) 8分	
44	N 14-10.17	N 14-10.85																
	E 142-00.13	E 142-01.69	110705	16:20	17:20	ORI	0.5	Step	430		1.0-0.5	2.5-2.0	X	1837	43435	4198-4266	4層 (170m, 145m, 120m, 95m) 8分	
45	N 14-20.31	N 14-21.34																
	E 142-04.65	E 142-06.47	110705	18:21	19:19	ORI	0.5	Step	434		1.0-0.5	2.5-2.0	X	1837	44240	4246-4264	4層 (170m, 145m, 120m, 95m) 8分	
46	N 14-29.95	N 14-30.64																
	E 142-07.65	E 142-09.60	110705	20:24	21:25	ORI	0.5	Step	462		1.0-0.5	2.5-2.0	X	1837	44550	4138-4277	4層 (170m, 145m, 120m, 95m) 8分	
47	N 14-40.06	N 14-40.10																
	E 142-10.29	E 142-12.52	110705	22:30	23:28	ORI	0.5	Step	430		1.0-0.5	2.5-2.0	X	1837	38480	4395-4415	4層 (170m, 145m, 120m, 95m) 8分	
48	N 14-49.94	N 14-50.23																
	E 142-12.74	E 142-14.62	110706	00:33	01:26	ORI	0.5	Step	423		1.0-0.5	2.5-2.0	X	1837	33300	4386-4440	4層 (170m, 145m, 120m, 95m) 8分	
49	N 15-00.09	N 15-00.87																
	E 142-14.97	E 142-16.55	110706	02:30	03:25	ORI	0.5	Step	410		1.0-0.5	2.5-2.0	X	1837	34160	4293-4348	4層 (170m, 145m, 120m, 95m) 8分	
50	N 15-10.31	N 15-11.37																
	E 142-15.03	E 142-16.53	110706	04:28	05:31	ORI	0.5	Step	431		1.0-0.5	2.5-2.0	X	1837	46700	4230-4250	4層 (170m, 145m, 120m, 95m) 8分	
51	N 15-20.17	N 15-21.93																
	E 142-15.03	E 142-16.71	110706	06:52	07:52	ORI	0.5	Step	402		1.0-0.5	2.5-2.0	X	1837	42765	2277-3580	4層 (170m, 145m, 120m, 95m) 8分	
52	N 15-30.05	N 15-32.06																
	E 142-05.03	E 142-05.39	110706	09:04	10:03	ORI	0.5	Step	458		1.0-0.5	2.5-2.0	X	1837	41700	4450-4481	4層 (170m, 145m, 120m, 95m) 8分	
53	N 15-40.11	N 15-41.66																
	E 141-56.16	E 141-57.11	110706	11:01	12:00	ORI	0.5	Step	425	デ-グなし	1.0-0.5	2.5-2.0	X	1837	40550	4419-4461	スキヤンナー充電中	
54	N 15-50.21	N 15-52.18																
	E 141-55.15	E 141-55.43																

## KH-11-4,6 Net Record (ORIBF, IKMT)

St.	Location		Date	Time		Net Type	Mesh size (mm)	Towing Method	Wire out (m)	Sampl. layer (m)	Reel. speed (m/s)	Ship speed (kt)	Filt. volume (m <sup>3</sup> )	Flow-meter Revol.	Flow-meter No.	Sea Depth (m)	Note
	Net in	Net out		Net in	Net out												
55	N16-00.12	N16-02.11	110706	12:55	13:54	ORI	0.5	Step	492	175	1.0-0.5	2.5-2.0	X	1837	41040	4466-4477	4層 (170m,145m,120m,95m) 8分
	E141-53.96	E141-54.08															
56	N16-10.14	N16-11.18	110706	14:48	15:44	ORI	0.5	Step	468	169	1.0-0.5	2.5-2.0	X	1837	41920	4433-4453	4層 (170m,145m,120m,95m) 8分
	E141-53.10	E141-54.53															
57	N16-20.21	N16-22.20	110706	16:51	17:54	ORI	0.5	Step	447	170	1.0-0.5	2.5-2.0	X	1837	46250	4349-4353	4層 (170m,145m,120m,95m) 8分
	E141-59.91	E142-00.81															
58	N16-30.11	N16-30.81	110706	20:46	21:39	ORI	0.5	Step	388	190	1.0-0.5	2.5-2.0	X	1837	30960	4075-4095	4層 (170m,145m,120m,95m) 8分
	E142-19.80	E142-21.31															

KH-11-4		St.04	Depth	2061m		
Date:	2011.5.24		Lat.	11 30.17N		
Time:	19:25		Long.	139 59.85E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	5	29.260	34.266	4.27	0.02	
	10	29.273	34.272	4.28	0.02	
	20	29.292	34.289	4.27	0.03	
	30	29.309	34.312	4.28	0.02	
	40	29.312	34.342	4.29	0.03	
	50	28.742	34.654	4.45	0.03	
	75	28.068	34.882	4.47	0.05	
	100	26.325	35.156	4.46	0.11	
	125	24.119	35.228	4.20	0.18	
	150	22.024	35.128	3.85	0.13	
	175	19.161	34.853	3.61	0.07	
	200	17.029	34.670	3.39	0.05	
	250	12.200	34.371	3.39	0.02	
	300	10.465	34.327	2.86	0.02	
	400	8.509	34.454	1.70	0.03	
	500	7.298	34.483	1.67	0.03	

CTD data (BTL)						
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	29.5	***	***	***
1	198	200	17.449	34.704	3.40	0.05
2	198	199	17.461	34.706	3.40	0.04
3	198	199	17.473	34.707	3.41	0.04
4	198	199	17.476	34.707	3.40	0.04
5	198	199	17.479	34.707	3.41	0.04
6	198	199	17.491	34.708	3.41	0.05
7	197	199	17.513	34.709	3.40	0.04
8	197	198	17.549	34.712	3.41	0.04
9	197	198	17.498	34.708	3.42	0.05
10	197	198	17.478	34.707	3.41	0.04
11	197	199	17.475	34.707	3.41	0.04
12	197	198	17.477	34.707	3.41	0.04
13	150	150	22.082	35.131	3.85	0.12
14	150	151	22.030	35.128	3.86	0.12
15	150	151	22.061	35.131	3.85	0.12
16	150	151	22.072	35.132	3.86	0.12
17	100	100	25.979	35.180	4.43	0.11
18	100	100	26.003	35.180	4.43	0.11
19	100	100	25.999	35.181	4.43	0.11
20	100	100	25.997	35.182	4.43	0.12
21	50	50	28.912	34.586	4.44	0.03
22	50	50	28.927	34.583	4.43	0.03
23	50	50	28.934	34.580	4.42	0.03
24	50	50	28.932	34.580	4.42	0.03

KH-11-4		St.05	Depth	3700m		
Date:	2011.5.25		Lat.	12 00.05N		
Time:	00:11		Long.	140 00.02E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	5	29.309	34.239	4.28	0.02	
	10	29.270	34.237	4.28	0.02	
	20	29.268	34.239	4.28	0.02	
	30	29.271	34.245	4.28	0.02	
	40	29.000	34.604	4.40	0.03	
	50	28.551	34.781	4.45	0.04	
	75	28.137	34.853	4.46	0.05	
	100	27.149	35.044	4.49	0.08	
	125	25.338	35.223	4.35	0.13	
	150	23.716	35.223	4.08	0.15	
	175	20.753	35.015	3.77	0.08	
	200	17.709	34.729	3.50	0.05	
	250	13.305	34.431	3.39	0.02	
	300	11.082	34.344	3.08	0.02	
	400	8.318	34.423	1.75	0.03	
	500	7.107	34.454	1.65	0.03	

CTD data (BTL)						
BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	29.2	***	***	***
1	199	201	17.846	34.744	3.49	0.05
2	199	201	17.840	34.744	3.47	0.04
3	199	200	17.953	34.751	3.47	0.04
4	199	200	17.886	34.745	3.49	0.04
5	199	200	17.835	34.741	3.48	0.04
6	199	200	17.866	34.746	3.46	0.04
7	199	200	17.878	34.744	3.46	0.04
8	199	200	17.734	34.735	3.48	0.05
9	148	149	23.965	35.229	4.12	0.14
10	147	148	23.976	35.230	4.12	0.14
11	149	149	23.963	35.230	4.13	0.14
12	149	150	23.960	35.231	4.13	0.14
13	99	100	26.624	35.102	4.48	0.11
14	99	99	26.857	35.079	4.48	0.10
15	99	100	26.931	35.070	4.50	0.10
16	100	100	26.708	35.106	4.51	0.10
17	50	51	28.823	34.669	4.45	0.04
18	51	51	28.813	34.672	4.44	0.04
19	52	52	28.811	34.672	4.44	0.03
20	52	52	28.775	34.678	4.45	0.04
21	6	6	29.295	34.238	4.29	0.02
22	5	5	29.297	34.239	4.29	0.02
23	5	5	29.297	34.238	4.28	0.02
24	5	5	29.295	34.239	4.29	0.02













KH-11-6		C3		Depth	2693m	
Date:	2011.6.29		Lat.	13 05.80N		
Time:	14:09		Long.	142 08.89E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	5	29.640	33.951	4.23	0.02	
	10	29.642	33.950	4.22	0.02	
	20	29.649	33.958	4.22	0.04	
	30	29.636	34.228	4.24	0.02	
	40	29.690	34.591	4.26	0.05	
	50	29.616	34.666	4.29	0.05	
	75	28.553	34.897	4.47	0.05	
	100	27.465	35.009	4.42	0.08	
	125	26.682	35.128	4.36	0.14	
	150	25.361	35.232	4.22	0.16	
	175	23.355	35.260	4.03	0.10	
	200	21.242	35.094	3.86	0.07	
	250	16.029	34.613	3.23	0.04	
	300	12.130	34.346	3.31	0.02	
	400	9.158	34.298	2.29	0.02	
	500	7.228	34.427	1.72	0.03	
	600	6.414	34.476	1.76	0.03	
	700	5.733	34.512	1.79	0.02	
	800	5.304	34.523	1.83	0.03	
	900	4.993	34.530	1.82	0.02	
	1000	4.558	34.544	1.84	0.03	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	29.4	***	***	***
1	199	200	20.186	35.006	3.73	0.05
2	199	200	20.518	35.036	3.76	0.04
3	199	200	20.865	35.065	3.77	0.04
4	137	138	26.338	35.158	4.29	0.12
5	137	138	26.503	35.147	4.32	0.13
6	138	138	26.520	35.146	4.32	0.12
7	138	139	26.542	35.144	4.33	0.13
8	138	139	26.544	35.144	4.34	0.12
9	138	138	26.475	35.152	4.31	0.13
10	137	138	26.426	35.155	4.33	0.13
11	137	138	26.468	35.149	4.32	0.15
12	137	138	26.520	35.147	4.33	0.13
13	137	138	26.504	35.148	4.34	0.13
14	138	138	26.542	35.146	4.34	0.13
15	138	138	26.538	35.147	4.34	0.13
16	100	101	27.367	35.023	4.41	0.08
17	100	101	27.545	34.993	4.43	0.07
18	100	100	27.512	35.000	4.43	0.07
19	50	51	29.434	34.761	4.35	0.05
20	50	51	29.535	34.689	4.33	0.05
21	51	51	29.547	34.686	4.31	0.04
22	5	5	29.630	33.953	4.23	0.03
23	6	6	29.631	33.953	4.23	0.02
24	6	6	29.628	33.952	4.23	0.02

KH-11-6		C4		Depth	3061m	
Date:	2011.6.29		Lat.	12 50.10N		
Time:	19:29		Long.	142 13.09E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	10	29.615	33.846	4.22	0.02	
	20	29.618	33.844	4.22	0.03	
	30	29.627	33.860	4.22	0.02	
	40	29.646	34.063	4.23	0.02	
	50	29.583	34.166	4.25	0.02	
	75	28.953	34.763	4.43	0.03	
	100	28.022	34.929	4.47	0.04	
	125	27.132	35.065	4.45	0.09	
	150	24.963	35.263	4.22	0.19	
	175	21.724	35.130	3.89	0.08	
	200	18.771	34.814	3.45	0.05	
	250	14.819	34.516	3.30	0.02	
	300	11.331	34.302	3.37	0.02	
	400	8.653	34.300	2.07	0.03	
	500	7.143	34.408	1.65	0.03	
	600	6.368	34.468	1.71	0.03	
	700	5.762	34.492	1.70	0.03	
	800	5.241	34.522	1.83	0.02	
	900	4.869	34.536	1.81	0.02	
	1000	4.574	34.544	1.82	0.03	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	29.7	***	***	***
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					
13	0					
14	0					
15	0					
16	0					
17	0					
18	0					
19	0					
20	0					
21	0					
22	0					
23	0					
24	0					

KH-11-6		C5		Depth	3036m	
Date:	2011.6.29			Lat.	12 59.98N	
Time:	22:47			Long.	142 20.93E	
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	10	29.559	33.906	4.22	0.02	
	20	29.560	33.910	4.22	0.02	
	30	29.590	34.071	4.23	0.02	
	40	29.600	34.414	4.28	0.03	
	50	29.485	34.693	4.37	0.03	
	75	28.238	34.912	4.47	0.04	
	100	27.380	35.034	4.46	0.07	
	125	26.306	35.168	4.38	0.14	
	150	24.933	35.248	4.22	0.18	
	175	22.343	35.176	3.92	0.08	
	200	20.104	34.996	3.76	0.05	
	250	14.921	34.533	3.31	0.03	
	300	11.603	34.303	3.49	0.01	
	400	8.151	34.258	1.99	0.03	
	500	6.807	34.349	1.42	0.03	
	600	5.991	34.425	1.37	0.03	
	700	5.654	34.483	1.58	0.03	
	800	5.343	34.514	1.76	0.03	
	900	4.892	34.536	1.79	0.02	
	1000	4.574	34.544	1.82	0.03	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	29.7	***	***	***
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9	0					
10	0					
11	0					
12	0					
13	0					
14	0					
15	0					
16	0					
17	0					
18	0					
19	0					
20	0					
21	0					
22	0					
23	0					
24	0					

KH-11-6		C6		Depth	2563m	
Date:	2011.6.30			Lat.	13 10.07N	
Time:	04:53			Long.	142 10.10E	
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	5	29.780	33.912	4.21	0.01	
	10	29.674	33.923	4.21	0.01	
	20	29.592	34.033	4.22	0.02	
	30	29.716	34.527	4.26	0.03	
	40	29.690	34.576	4.27	0.04	
	50	29.707	34.636	4.27	0.06	
	75	28.599	34.923	4.47	0.05	
	100	27.314	35.038	4.43	0.09	
	125	25.691	35.213	4.23	0.17	
	150	23.899	35.279	4.10	0.10	
	175	21.450	35.117	3.87	0.06	
	200	18.234	34.783	3.56	0.04	
	250	15.205	34.555	3.18	0.03	
	300	12.771	34.394	3.27	0.02	
	400	8.536	34.339	2.04	0.03	
	500	7.152	34.422	1.68	0.03	
	600	6.477	34.481	1.70	0.03	
	700	5.844	34.501	1.73	0.02	
	800	5.334	34.523	1.80	0.02	
	900	4.912	34.533	1.80	0.03	
	1000	4.481	34.546	1.85	0.02	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	30.2	***	***	***
1	199	201	19.588	34.925	3.64	0.04
2	199	200	19.569	34.929	3.64	0.04
3	199	201	19.491	34.923	3.65	0.04
4	119	120	25.676	35.215	4.21	0.13
5	119	120	25.715	35.213	4.22	0.14
6	119	120	25.727	35.214	4.23	0.14
7	119	120	25.753	35.213	4.23	0.14
8	119	120	25.747	35.214	4.23	0.14
9	119	120	25.755	35.214	4.24	0.14
10	119	120	25.753	35.214	4.24	0.14
11	119	120	25.752	35.214	4.23	0.14
12	119	120	25.750	35.214	4.24	0.15
13	119	120	25.754	35.214	4.24	0.15
14	119	120	25.754	35.214	4.24	0.14
15	120	120	25.747	35.215	4.24	0.15
16	100	100	27.225	35.058	4.43	0.11
17	99	100	27.226	35.055	4.42	0.09
18	100	100	27.229	35.059	4.43	0.10
19	49	50	29.568	34.694	4.32	0.05
20	49	50	29.543	34.700	4.31	0.05
21	49	50	29.575	34.690	4.30	0.06
22	4	4	29.759	33.926	4.22	0.01
23	4	4	29.776	33.921	4.23	0.01
24	4	4	29.768	33.922	4.23	0.01



KH-11-6		C9		Depth	4254m	
Date:	2011.7.5		Lat.	14 20.05N		
Time:	06:21		Long.	142 04.78E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	5	29.955	34.724	4.23	0.04	
	10	29.854	34.704	4.24	0.03	
	20	29.709	34.699	4.26	0.05	
	30	29.706	34.714	4.26	0.04	
	40	29.723	34.740	4.26	0.05	
	50	29.650	34.877	4.32	0.06	
	75	28.469	34.916	4.48	0.06	
	100	27.423	35.051	4.44	0.11	
	125	26.200	35.193	4.27	0.16	
	150	25.199	35.257	4.08	0.12	
	175	23.581	35.238	3.91	0.06	
	200	21.756	35.119	3.85	0.04	
	250	17.261	34.714	3.64	0.02	
	300	12.914	34.411	3.38	0.02	
	400	9.214	34.255	2.55	0.02	
	500	7.641	34.345	1.75	0.03	
	600	6.526	34.399	1.59	0.03	
	700	5.575	34.467	1.61	0.02	
	800	5.228	34.507	1.77	0.02	
	900	4.762	34.527	1.78	0.03	
	1000	4.395	34.541	1.82	0.02	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	31.0	***	***	***
1	123	124	26.836	35.139	4.34	0.10
2	123	124	26.835	35.139	4.35	0.10
3	123	124	26.821	35.141	4.34	0.10
4	124	124	26.594	35.147	4.33	0.10
5	124	124	26.590	35.147	4.34	0.10
6	123	124	26.608	35.145	4.34	0.10
7	123	124	26.619	35.143	4.35	0.10
8	123	124	26.606	35.145	4.34	0.10
9	123	124	26.593	35.147	4.33	0.10
10	124	125	26.563	35.152	4.34	0.11
11	124	124	26.569	35.151	4.34	0.10
12	123	124	26.599	35.145	4.34	0.11
13	124	124	26.558	35.152	4.33	0.11
14	124	124	26.553	35.152	4.34	0.11
15	123	124	26.560	35.151	4.34	0.11
16	123	124	26.565	35.150	4.33	0.11
17	124	125	26.532	35.154	4.34	0.12
18	124	125	26.534	35.154	4.34	0.12
19	124	125	26.553	35.152	4.34	0.12
20	124	124	26.547	35.152	4.34	0.12
21	123	124	26.539	35.153	4.34	0.12
22	124	124	26.502	35.158	4.33	0.12
23	124	125	26.478	35.160	4.33	0.13
24	124	125	26.461	35.164	4.34	0.13

KH-11-6		C10		Depth	4083m	
Date:	2011.7.6		Lat.	16 30.03N		
Time:	10:41		Long.	142 20.11E		
CTD data (LAY)	Pres.	Temp.	Sal	DO	Flu.	
	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l	
	10	29.837	34.786	4.21	0.03	
	20	29.650	34.788	4.22	0.03	
	30	29.627	34.787	4.21	0.04	
	40	29.398	34.797	4.30	0.08	
	50	28.715	34.824	4.47	0.05	
	75	27.296	35.000	4.46	0.08	
	100	26.192	35.098	4.35	0.12	
	125	25.429	35.165	4.37	0.17	
	150	24.500	35.176	4.22	0.13	
	175	23.208	35.109	4.23	0.04	
	200	21.401	35.006	3.95	0.03	
	250	17.190	34.702	4.09	0.02	
	300	14.650	34.520	4.06	0.01	
	400	10.462	34.246	3.43	0.02	
	500	7.366	34.215	2.07	0.03	
	600	6.238	34.364	1.41	0.03	
	700	5.584	34.434	1.39	0.03	
	800	5.089	34.483	1.45	0.02	
	900	4.616	34.518	1.67	0.02	
	1000	4.321	34.528	1.70	0.02	

CTD data (BTL)

BTL	Depth	Pres.	Temp.	Sal	DO	Flu.
No.	m	db	°C	(psu)	ml·l <sup>-1</sup>	ug/l
Sur.	0	***	30.0	***	***	***
1	129	130	24.909	35.175	4.28	0.11
2	129	130	24.937	35.177	4.30	0.12
3	129	130	24.947	35.178	4.30	0.12
4	130	130	24.938	35.179	4.31	0.11
5	130	130	24.920	35.178	4.30	0.12
6	130	131	24.913	35.178	4.30	0.12
7	130	131	24.910	35.178	4.29	0.12
8	130	131	24.911	35.178	4.29	0.12
9	130	131	24.907	35.179	4.29	0.13
10	131	131	24.882	35.179	4.30	0.12
11	130	131	24.909	35.178	4.31	0.13
12	130	131	24.938	35.178	4.31	0.13
13	130	131	24.894	35.178	4.29	0.13
14	130	131	24.888	35.178	4.29	0.13
15	130	131	24.893	35.178	4.29	0.13
16	131	131	24.876	35.178	4.29	0.13
17	131	131	24.892	35.178	4.29	0.13
18	130	131	24.885	35.178	4.29	0.13
19	131	131	24.879	35.178	4.29	0.13
20	130	131	24.882	35.178	4.30	0.14
21	130	131	24.908	35.178	4.29	0.13
22	130	131	24.879	35.177	4.29	0.13
23	131	131	24.863	35.179	4.30	0.14
24	131	131	24.871	35.178	4.29	0.14

KH-11-6		X1		Depth	4484
Date:	2011.6.27		Lat.	16 59.978N	
Time:	12:10		Long.	142 00.004E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.611	34.710		
	10	29.622	34.718		
	20	29.622	34.734		
	30	29.614	34.743		
	40	28.512	34.942		
	50	27.688	34.988		
	75	26.310	35.099		
	100	25.871	35.127		
	125	24.899	35.128		
	150	23.037	35.055		
	175	21.483	34.957		
	200	19.620	34.821		
	250	17.029	34.657		
	300	14.933	34.506		
	400	10.771	34.230		
500	7.633	34.185			
600	6.464	34.324			
700	5.732	34.412			
800	5.253	34.455			
900	4.866	34.493			
1000	4.394	34.514			

KH-11-6		X2		Depth	4340
Date:	2011.6.27		Lat.	16 29.327N	
Time:	14:14		Long.	141 59.983E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.552	34.828		
	10	29.573	34.876		
	20	29.573	34.877		
	30	29.584	34.880		
	40	29.542	34.886		
	50	28.416	34.824		
	75	26.955	34.951		
	100	26.041	35.074		
	125	25.096	35.134		
	150	24.408	35.153		
	175	22.574	35.053		
	200	20.730	34.915		
	250	17.464	34.694		
	300	14.566	34.482		
	400	9.874	34.200		
500	7.653	34.214			
600	6.563	34.329			
700	5.687	34.416			
800	5.138	34.463			
900	4.763	34.497			
1000	4.323	34.517			

KH-11-6		X3		Depth	4404
Date:	2011.6.27		Lat.	15 59.897N	
Time:	16:14		Long.	142 00.042E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.676	34.648		
	10	29.697	34.677		
	20	29.697	34.684		
	30	29.697	34.683		
	40	29.655	34.695		
	50	28.864	34.886		
	75	27.074	35.021		
	100	26.199	35.071		
	125	25.521	35.124		
	150	24.180	35.127		
	175	21.792	34.989		
	200	20.008	34.854		
	250	17.034	34.659		
	300	14.036	34.443		
	400	9.515	34.179		
500	7.519	34.234			
600	6.389	34.338			
700	5.629	34.411			
800	5.178	34.458			
900	4.557	34.491			
1000	4.140	34.520			

KH-11-6		X4		Depth	4073
Date:	2011.6.27		Lat.	15 29.961N	
Time:	18:16		Long.	142 00.079E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.677	34.418		
	10	29.688	34.431		
	20	29.688	34.442		
	30	29.688	34.668		
	40	29.562	34.740		
	50	28.783	34.820		
	75	27.970	34.919		
	100	27.290	34.995		
	125	26.121	35.120		
	150	25.102	35.165		
	175	23.538	35.160		
	200	21.132	34.974		
	250	17.312	34.672		
	300	13.699	34.395		
	400	9.408	34.202		
500	7.496	34.248			
600	6.356	34.351			
700	5.722	34.439			
800	5.203	34.475			
900	4.739	34.504			
1000	4.363	34.534			



KH-11-6		X5		Depth	4554	
Date:	2011.6.27		Lat.	14 59.902N		
Time:	20:14		Long.	142 00.001E		
XCTD data (LAY)	Depth	Temp.	Sal			
	m	°C	(psu)			
	5	29.599	34.374			
	10	29.609	34.394			
	20	29.620	34.407			
	30	29.630	34.410			
	40	29.536	34.627			
	50	29.269	34.842			
	75	28.190	34.907			
	100	27.113	35.028			
	125	25.957	35.138			
	150	24.080	35.190			
	175	22.369	35.127			
	200	20.473	34.972			
	250	16.427	34.610			
	300	13.176	34.379			
	400	9.291	34.252			
500	7.169	34.321				
600	6.100	34.397				
700	5.398	34.455				
800	5.003	34.494				
900	4.589	34.517				
1000	4.202	34.530				

KH-11-6		X6		Depth	4293	
Date:	2011.6.27		Lat.	14 29.831N		
Time:	22:12		Long.	141 59.997E		
XCTD data (LAY)	Depth	Temp.	Sal			
	m	°C	(psu)			
	5	29.534	34.263			
	10	29.581	34.314			
	20	29.633	34.358			
	30	29.654	34.374			
	40	29.717	34.570			
	50	29.272	34.682			
	75	28.174	34.870			
	100	27.015	35.038			
	125	26.231	35.124			
	150	24.961	35.201			
	175	23.226	35.153			
	200	20.802	34.965			
	250	17.709	34.701			
	300	12.829	34.367			
	400	9.030	34.237			
500	6.990	34.286				
600	6.157	34.395				
700	5.611	34.454				
800	5.051	34.481				
900	4.697	34.493				
1000	4.320	34.516				

KH-11-6		X7		Depth	4264	
Date:	2011.6.28		Lat.	13 59.941N		
Time:	00:08		Long.	141 59.982E		
XCTD data (LAY)	Depth	Temp.	Sal			
	m	°C	(psu)			
	5	29.658	34.441			
	10	29.663	34.449			
	20	29.663	34.461			
	30	29.652	34.486			
	40	29.106	34.696			
	50	28.975	34.750			
	75	27.803	34.918			
	100	27.134	35.042			
	125	26.346	35.130			
	150	24.436	35.196			
	175	22.278	35.114			
	200	20.399	34.943			
	250	15.529	34.528			
	300	13.134	34.375			
	400	8.939	34.209			
500	7.310	34.311				
600	6.225	34.388				
700	5.640	34.414				
800	5.116	34.464				
900	4.646	34.478				
1000	4.249	34.491				

KH-11-6		X8		Depth	3018	
Date:	2011.6.28		Lat.	13 29.999N		
Time:	02:01		Long.	142 00.019E		
XCTD data (LAY)	Depth	Temp.	Sal			
	m	°C	(psu)			
	5	29.550	34.440			
	10	29.560	34.453			
	20	29.634	34.512			
	30	29.634	34.666			
	40	29.644	34.733			
	50	29.491	34.808			
	75	28.183	34.894			
	100	27.428	35.007			
	125	26.438	35.134			
	150	25.301	35.201			
	175	22.872	35.134			
	200	19.769	34.885			
	250	14.884	34.481			
	300	11.409	34.320			
	400	8.692	34.308			
500	7.258	34.359				
600	6.228	34.398				
700	5.652	34.460				
800	5.122	34.499				
900	4.704	34.511				
1000	4.202	34.547				



KH-11-6		X9		Depth	3027
Date:	2011.6.28		Lat.	12 59.973N	
Time:	04:25		Long.	142 00.144E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.487	33.993		
	10	29.487	34.007		
	20	29.602	34.206		
	30	29.685	34.526		
	40	29.696	34.571		
	50	29.564	34.627		
	75	27.957	34.895		
	100	27.204	35.038		
	125	26.498	35.122		
	150	24.614	35.215		
	175	22.018	35.090		
	200	19.653	34.906		
	250	13.454	34.402		
	300	11.634	34.320		
	400	8.392	34.326		
	500	7.167	34.396		
	600	6.298	34.466		
	700	5.770	34.490		
	800	5.349	34.506		
	900	4.935	34.513		
	1000	4.520	34.520		

KH-11-6		X10		Depth	2864
Date:	2011.6.28		Lat.	12 29.992N	
Time:	06:22		Long.	142 00.052E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.454	33.791		
	10	29.449	33.796		
	20	29.458	33.796		
	30	29.472	33.805		
	40	29.495	33.820		
	50	29.574	33.894		
	75	29.658	34.070		
	100	27.951	34.820		
	125	26.123	35.031		
	150	24.365	35.119		
	175	21.617	34.965		
	200	18.864	34.776		
	250	15.097	34.498		
	300	12.254	34.368		
	400	8.381	34.295		
	500	6.791	34.358		
	600	6.038	34.451		
	700	5.657	34.482		
	800	5.216	34.517		
	900	4.888	34.523		
	1000	4.347	34.537		

KH-11-6		X11		Depth	4417
Date:	2011.6.28		Lat.	11 59.969N	
Time:	08:19		Long.	141 59.997E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.425	33.703		
	10	29.435	33.710		
	20	29.426	33.717		
	30	29.436	33.723		
	40	29.446	33.727		
	50	29.561	33.842		
	75	28.791	34.621		
	100	27.614	34.873		
	125	26.139	35.077		
	150	24.146	35.153		
	175	21.544	34.982		
	200	19.222	34.780		
	250	14.474	34.434		
	300	11.137	34.314		
	400	8.085	34.323		
	500	6.865	34.373		
	600	6.200	34.469		
	700	5.732	34.480		
	800	5.205	34.494		
	900	4.698	34.500		
	1000	4.371	34.518		

KH-11-6		X12		Depth	4063
Date:	2011.6.28		Lat.	12 00.006N	
Time:	12:09		Long.	140 59.906E	
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.525	34.017		
	10	29.483	34.034		
	20	29.452	34.046		
	30	29.449	34.056		
	40	29.452	34.061		
	50	29.452	34.077		
	75	28.477	34.780		
	100	27.760	34.922		
	125	26.615	35.033		
	150	22.748	35.070		
	175	21.017	34.994		
	200	17.474	34.682		
	250	12.845	34.363		
	300	9.993	34.273		
	400	7.601	34.346		
	500	6.762	34.414		
	600	6.219	34.475		
	700	5.633	34.498		
	800	5.172	34.513		
	900	4.673	34.529		
	1000	4.352	34.533		

KH-11-6	X13	Depth	3189		
Date:	2011.6.28	Lat.	12 30.066N		
Time:	14:11	Long.	140 59.976E		
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.649	33.982		
	10	29.586	33.991		
	20	29.524	34.005		
	30	29.523	34.009		
	40	29.503	34.064		
	50	29.503	34.142		
	75	28.384	34.853		
	100	27.619	34.958		
	125	26.707	35.086		
	150	25.170	35.202		
	175	22.553	35.147		
	200	19.361	34.871		
	250	12.983	34.404		
	300	11.274	34.332		
	400	8.867	34.364		
	500	7.247	34.374		
	600	6.590	34.453		
	700	5.919	34.489		
800	5.450	34.509			
900	5.057	34.514			
1000	4.660	34.519			

KH-11-6	X14	Depth	3869		
Date:	2011.6.28	Lat.	12 59.994N		
Time:	16:11	Long.	141 00.038E		
XCTD data (LAY)	Depth	Temp.	Sal		
	m	°C	(psu)		
	5	29.761	34.470		
	10	29.755	34.481		
	20	29.651	34.504		
	30	29.630	34.507		
	40	29.630	34.506		
	50	29.598	34.512		
	75	28.663	34.811		
	100	28.067	34.902		
	125	26.988	35.049		
	150	25.202	35.179		
	175	22.927	35.160		
	200	20.108	34.925		
	250	16.337	34.605		
	300	12.822	34.375		
	400	9.107	34.367		
	500	7.278	34.386		
	600	6.387	34.473		
	700	5.939	34.493		
800	5.484	34.507			
900	4.988	34.526			
1000	4.553	34.541			

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110520	920	+09:00	35 35.686N	139 46.406E	25		329	0	193	0.1		0	
110520	925	+09:00	35 35.687N	139 46.406E	25		328	0	230	0.1		0	
110520	930	+09:00	35 35.687N	139 46.406E	25		329	0	166	0.1		0	
110520	935	+09:00	35 35.687N	139 46.407E	25		329	0	162	0		0	
110520	940	+09:00	35 35.687N	139 46.406E	25		329	0	270	0.1		0	
110520	945	+09:00	35 35.686N	139 46.406E	25		328	0	270	0.1		0	
110520	950	+09:00	35 35.685N	139 46.408E	25		327	0	102	0.3		0	
110520	955	+09:00	35 35.675N	139 46.478E	25		286	0	122	1.4		0.1	
110520	1000	+09:00	35 35.602N	139 46.629E	25		116	3.9	116	4.3	131	0.7	0.2
110520	1005	+09:00	35 35.321N	139 47.141E	25		140	6.8	140	7.8	133	1.3	0.7
110520	1010	+09:00	35 34.693N	139 47.828E	25		136	11.7	135	12.2	138	0.3	1.5
110520	1015	+09:00	35 33.982N	139 48.887E	25		127	15.6	128	15.4	265	0.2	2.6
110520	1020	+09:00	35 33.188N	139 50.170E	0		126	14.1	125	14	310	0.3	3.9
110520	1025	+09:00	35 32.197N	139 50.538E	19		177	15.2	177	14.9	0	0.4	5.1
110520	1030	+09:00	35 30.915N	139 50.857E	24		175	15.9	176	15.9	228	0.5	6.4
110520	1035	+09:00	35 29.583N	139 50.952E	26		192	14.8	191	15.8	247	0.3	7.7
110520	1040	+09:00	35 28.598N	139 49.858E	29		223	16.5	224	16.1	9	0.3	9
110520	1045	+09:00	35 27.745N	139 48.554E	31		233	16.5	234	16.5	12	0.2	10.4
110520	1050	+09:00	35 26.923N	139 47.202E	33		234	16.3	234	16.5	298	0.2	11.8
110520	1055	+09:00	35 26.151N	139 45.815E	32		238	16.6	238	16.3	65	0	13.2
110520	1100	+09:00	35 25.419N	139 44.405E	33		237	16.6	237	16.4	40	0.3	14.5
110520	1105	+09:00	35 24.716N	139 42.982E	36		239	16.5	240	16.1	54	0.4	15.9
110520	1110	+09:00	35 23.572N	139 42.237E	40		190	16.5	191	16.5	285	0.5	17.2
110520	1115	+09:00	35 22.215N	139 42.027E	42		175	16.3	177	16.3	234	0.7	18.6
110520	1120	+09:00	35 20.883N	139 42.234E	44		170	15.8	171	15.9	213	0.3	19.9
110520	1125	+09:00	35 19.820N	139 42.438E	46		168	11.9	170	12.4	173	0.6	21
110520	1125	+09:00	35 19.716N	139 42.475E	46		151	12.7	155	11.9	211	0.3	21.2 ENTERED URAGA SUIDO TRAFFIC ROUTE
110520	1130	+09:00	35 18.952N	139 43.088E	42		145	12.1	146	12.5	163	0.6	22
110520	1135	+09:00	35 18.127N	139 43.840E	49		138	11.4	138	12.4	147	0.5	23.1
110520	1140	+09:00	35 17.328N	139 44.722E	35		138	12.1	138	12.9	139	1	24.1
110520	1145	+09:00	35 16.486N	139 45.519E	69		148	11.4	146	12.8	122	1.4	25.2
110520	1150	+09:00	35 15.551N	139 46.147E	74		157	11.6	154	12.7	119	1	26.3
110520	1155	+09:00	35 14.515N	139 46.277E	60		181	11.7	178	12.6	151	1.2	27.3
110520	1200	+09:00	35 13.445N	139 46.304E	78		181	11.6	180	12.8	173	1.4	28.4
110520	1204	+09:00	35 12.524N	139 46.200E	35		211	12.5	210	14	198	2.2	29.5 CLEARED OUT URAGA SUIDO TRAFFIC ROUTE
110520	1205	+09:00	35 12.386N	139 46.097E	48		212	14.2	213	15	208	1.3	29.5
110520	1210	+09:00	35 11.218N	139 45.355E	0		194	16.1	195	16.3	208	0.1	30.8
110520	1210	+09:00	35 11.174N	139 45.342E	0		195	16.2	195	16.3	192	0.2	30.8 R/UP ENG'S
110520	1210	+09:00	35 11.060N	139 45.305E	0		194	15.9	194	16.2	193	0.3	31.1 S/CO ON 196°
110520	1215	+09:00	35 09.933N	139 44.957E	0		194	15.8	194	15.9	5	0.3	32.1
110520	1220	+09:00	35 08.655N	139 44.525E	0		196	15.8	195	15.9	338	0	33.4
110520	1225	+09:00	35 07.382N	139 44.165E	68		194	15.9	192	15.5	37	0.5	34.7
110520	1226	+09:00	35 07.110N	139 44.057E	50		207	15.2	206	15.4	124	0.3	35 A/CO TO 205°
110520	1230	+09:00	35 06.200N	139 43.567E	78		205	16.1	204	15.5	62	0.8	36
110520	1235	+09:00	35 05.110N	139 42.732E	122		219	16.2	217	15.4	70	0.9	37.3
110520	1240	+09:00	35 04.002N	139 41.931E	0		205	15.6	203	15.7	111	0.6	38.6
110520	1245	+09:00	35 02.786N	139 41.322E	899		204	16.1	202	15.7	105	0.6	39.9
110520	1250	+09:00	35 01.567N	139 40.719E	596		205	16.1	202	15.7	116	0.7	41.2
110520	1255	+09:00	35 00.349N	139 40.161E	0		204	16.1	198	15.9	105	1.4	42.5
110520	1300	+09:00	34 59.096N	139 39.684E	90		205	15.9	195	16.1	118	2.3	43.8
110520	1300	+09:00	34 59.088N	139 39.681E	90		204	15.9	195	15.8	118	2.3	43.8 COM'CED LIFEBOAT STATION DRILL
110520	1303	+09:00	34 58.315N	139 39.452E	113		182	16.3	176	16.5	96	2.4	44.6 A/CO TO 180°
110520	1305	+09:00	34 57.780N	139 39.532E	0		181	15.8	172	16.5	110	2.5	45.2
110520	1310	+09:00	34 56.394N	139 39.744E	558		180	15.6	174	16.6	113	2.4	46.6
110520	1311	+09:00	34 55.837N	139 39.835E	0		180	15.6	170	17	110	2.5	47.1 A/CO TO 173°
110520	1315	+09:00	34 54.993N	139 39.977E	0		181	15.5	172	16.9	117	2.8	48
110520	1320	+09:00	34 53.575N	139 40.178E	457		181	16.1	174	16.6	111	2	49.4
110520	1320	+09:00	34 53.566N	139 40.179E	457		181	16.1	176	16.6	111	2	49.4 FINISHED LIFEBOAT STATION DRILL
110520	1325	+09:00	34 52.234N	139 40.373E	0		180	15.9	174	16	94	1.8	50.8
110520	1330	+09:00	34 50.874N	139 40.550E	0		181	15.8	175	16.4	118	2.3	52.1
110520	1335	+09:00	34 49.533N	139 40.715E	0		180	15.9	176	15.5	85	1.4	53.5
110520	1340	+09:00	34 48.278N	139 40.801E	0		180	15.8	178	14.6	27	1.6	54.7
110520	1345	+09:00	34 47.097N	139 40.893E	1108		177	15.6	174	14.3	22	1.5	55.9
110520	1350	+09:00	34 45.877N	139 41.045E	1530		178	15.8	175	15	50	1.3	57.1
110520	1355	+09:00	34 44.632N	139 41.288E	1229		178	15.6	170	15.3	73	2.2	58.4
110520	1400	+09:00	34 43.379N	139 41.584E	1983		178	15.5	169	15.3	88	2.4	59.7
110520	1405	+09:00	34 42.093N	139 41.856E	2222		178	15.4	171	15.9	86	2.1	61
110520	1410	+09:00	34 40.787N	139 42.075E	2248		183	15.6	177	15.7	96	1.9	62.3
110520	1412	+09:00	34 40.056N	139 42.133E	2160		182	15.9	176	16.1	105	1.7	63.1 S/B ENG'S
110520	1415	+09:00	34 39.537N	139 42.173E	2022		185	11.1	176	11.8	93	1.7	63.6
110520	1418	+09:00	34 39.014N	139 42.228E	1960	XCTD1	198	3.8	165	4.4	92	1.8	64.1 LET GO XCTD
110520	1420	+09:00	34 38.950N	139 42.250E	1964		194	2.5	160	3.2	104	1.9	64.2
110520	1425	+09:00	34 38.736N	139 42.411E	1911		192	2.4	142	3.2	94	2.1	64.4
110520	1430	+09:00	34 38.450N	139 42.556E	1890		188	4.5	170	5.1	113	2	64.7
110520	1430	+09:00	34 38.360N	139 42.570E	1888		192	6.4	176	6.6	116	1.9	64.8 A/CO TO 186°
110520	1435	+09:00	34 37.728N	139 42.552E	1816		189	10.4	184	11.3	137	1.5	65.5
110520	1440	+09:00	34 36.636N	139 42.439E	1758		190	15.1	186	15.3	126	1.1	66.6
110520	1445	+09:00	34 35.306N	139 42.295E	1723		189	15.9	185	16.2	110	1.4	67.9
110520	1445	+09:00	34 35.118N	139 42.277E	1730		190	15.4	186	16.1	108	1.3	68.2 R/UP ENG'S
110520	1450	+09:00	34 33.966N	139 42.167E	1677		190	15.5	185	16	113	1.5	69.2
110520	1455	+09:00	34 32.660N	139 42.026E	1608		190	15.8	184	15.5	81	1.5	70.6
110520	1500	+09:00	34 31.389N	139 41.900E	1480		190	16.2	184	15.3	74	1.8	71.8
110520	1505	+09:00	34 30.136N	139 41.798E	1220		192	15.9	184	14.8	69	2.3	73.1
110520	1510	+09:00	34 28.916N	139 41.710E	1170		192	16.1	185	14.6	67	2.6	74.3
110520	1515	+09:00	34 27.712N	139 41.576E	1140		196	16.2	186	14.3	66	2.9	75.5
110520	1520	+09:00	34 26.538N	139 41.355E	1112		198	15.9	190	14.3	66	2.8	76.7
110520	1525	+09:00	34 25.375N	139 41.096E	1096		199	15.9	190	14.4	69	2.8	77.9
110520	1530	+09:00	34 24.197N	139 40.810E	1059		199	16.1	194	14.5	69	2.3	79.1

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110520	1535	+09:00	34 23.001N	139 40.568E	1030		196	16.1	188	14.7	70	2.5	80.3
110520	1540	+09:00	34 21.789N	139 40.348E	1046		196	15.9	189	14.9	72	2.4	81.5
110520	1545	+09:00	34 20.557N	139 40.126E	992		196	16.2	190	15	78	2.4	82.8
110520	1550	+09:00	34 19.317N	139 39.924E	959		196	16.1	188	15	80	2.4	84
110520	1555	+09:00	34 18.076N	139 39.713E	903		196	15.9	188	15.3	83	2.4	85.3
110520	1600	+09:00	34 16.808N	139 39.531E	832		196	16.2	186	15.6	92	2.7	86.5
110520	1605	+09:00	34 15.520N	139 39.372E	0		197	15.9	191	15.4	93	2.8	87.8
110520	1610	+09:00	34 14.230N	139 39.178E	720		196	15.9	186	16	95	2.3	89.1
110520	1615	+09:00	34 12.899N	139 38.917E	660		197	15.8	192	16.7	124	1.6	90.5
110520	1620	+09:00	34 11.582N	139 38.469E	642		196	16.2	202	15.9	287	1.1	91.9
110520	1625	+09:00	34 10.343N	139 38.096E	576		183	16.1	188	15.1	302	2.2	93.1
110520	1630	+09:00	34 09.117N	139 37.900E	483		175	16.1	186	15.1	295	2.9	94.4
110520	1635	+09:00	34 07.804N	139 37.792E	445		174	15.6	185	16.1	263	2.5	95.7
110520	1640	+09:00	34 06.414N	139 37.814E	456		179	15.6	177	17.2	177	1.6	97.1
110520	1645	+09:00	34 05.016N	139 37.835E	517		184	16.1	178	15.5	80	1.7	98.5
110520	1650	+09:00	34 03.720N	139 37.828E	655		189	16.1	179	15.8	89	2.1	99.8
110520	1651	+09:00	34 03.277N	139 37.828E	710		196	15.6	186	15	93	2.5	100.3 A/CO TO 244°
110520	1655	+09:00	34 02.818N	139 37.144E	679		243	15.9	239	14.3	99	2	101
110520	1700	+09:00	34 02.245N	139 35.897E	628		243	16.2	243	13.9	61	2.6	102.2
110520	1705	+09:00	34 01.703N	139 34.702E	604		242	15.9	240	14.3	75	2.3	103.3
110520	1710	+09:00	34 01.152N	139 33.423E	565		246	16.2	245	14.4	81	1.7	104.5
110520	1715	+09:00	34 00.634N	139 32.114E	564		246	16.3	244	14.8	78	1.6	105.7
110520	1720	+09:00	34 00.125N	139 30.784E	554		262	15	261	14.3	75	1.3	106.9
110520	1724	+09:00	33 59.572N	139 29.954E	568		182	16.2	179	15.3	36	1.5	107.9 PASSED 1a & A/CO TO 173°
110520	1725	+09:00	33 59.450N	139 29.959E	580		181	15.9	179	15.1	39	1.2	108.2
110520	1730	+09:00	33 58.196N	139 30.145E	762		175	15.9	172	15	40	1.3	109.4
110520	1735	+09:00	33 56.960N	139 30.379E	1005		174	16.2	170	15	38	1.4	110.7
110520	1740	+09:00	33 55.736N	139 30.623E	1167		174	15.9	170	14.9	36	1.6	111.9
110520	1745	+09:00	33 54.530N	139 30.869E	1220		174	15.9	169	14.7	31	1.8	113.1
110520	1750	+09:00	33 53.324N	139 31.105E	1168		174	16.1	170	14.6	23	1.9	114.3
110520	1755	+09:00	33 52.115N	139 31.274E	1136		177	15.9	175	14.7	20	1.6	115.6
110520	1800	+09:00	33 50.905N	139 31.385E	1254		178	16.5	175	14.4	9	1.4	116.8
110520	1805	+09:00	33 49.690N	139 31.475E	1361		177	15.6	177	14.9	4	1.3	118
110520	1810	+09:00	33 48.470N	139 31.623E	1530		175	15.9	174	14.9	13	1.2	119.2
110520	1815	+09:00	33 47.245N	139 31.770E	1621		175	15.9	175	14.9	8	1	120.4
110520	1820	+09:00	33 45.996N	139 31.913E	1668		175	15.6	173	15	7	0.8	121.7
110520	1825	+09:00	33 44.735N	139 32.065E	1660		175	15.6	175	15.3	4	0.9	122.9
110520	1830	+09:00	33 43.467N	139 32.204E	1656		175	15.9	175	15.5	356	0.7	124.2
110520	1835	+09:00	33 42.201N	139 32.358E	1649		172	16.1	171	15.1	356	0.7	125.5
110520	1840	+09:00	33 40.948N	139 32.555E	1638		172	15.8	174	14.9	339	0.9	126.8
110520	1841	+09:00	33 40.679N	139 32.598E	1637		171	16.1	174	15	338	0.9	127 SUNSET & PUT ON REGULATION LIGHTS
110520	1845	+09:00	33 39.703N	139 32.751E	1621		172	16.1	171	15.3	349	0.9	128
110520	1850	+09:00	33 38.459N	139 32.965E	1625		173	15.9	172	14.9	358	0.9	129.3
110520	1855	+09:00	33 37.216N	139 33.137E	1622		173	15.9	173	15.1	343	0.9	130.5
110520	1900	+09:00	33 35.971N	139 33.305E	1622		172	15.9	172	15.1	346	1	131.8
110520	1905	+09:00	33 34.728N	139 33.467E	1604		174	15.9	173	14.8	335	1	133
110520	1910	+09:00	33 33.477N	139 33.622E	1662		173	16.1	173	15.2	335	0.9	134.3
110520	1915	+09:00	33 32.226N	139 33.772E	1434		172	16.1	173	14.9	330	1.1	135.5
110520	1920	+09:00	33 30.976N	139 33.941E	1223		172	15.8	175	14.9	321	0.8	136.8
110520	1925	+09:00	33 29.730N	139 34.105E	1238		172	15.8	174	14.7	330	1.2	138
110520	1930	+09:00	33 28.513N	139 34.277E	1042		172	16.2	173	14.7	333	1.4	139.3
110520	1935	+09:00	33 27.285N	139 34.453E	1107		172	16.1	173	14.7	333	1.2	140.5
110520	1940	+09:00	33 26.071N	139 34.625E	836		172	15.9	173	14.4	337	1.6	141.7
110520	1945	+09:00	33 24.865N	139 34.811E	491		173	15.4	176	14.8	334	1	142.9
110520	1950	+09:00	33 23.643N	139 34.974E	350		172	16.1	173	14.2	331	1.6	144.2
110520	1955	+09:00	33 22.444N	139 35.074E	311		171	16.3	176	14.7	302	1.9	145.4
110520	2000	+09:00	33 21.219N	139 35.211E	0		171	16.1	173	14.6	341	1.5	146.6
110520	2005	+09:00	33 20.001N	139 35.398E	191		172	16.1	177	14.6	315	1.6	147.8
110520	2010	+09:00	33 18.802N	139 35.483E	275		172	16.1	179	14.3	318	2.2	149
110520	2015	+09:00	33 17.604N	139 35.518E	0		172	15.9	181	14.6	303	2.3	150.2
110520	2020	+09:00	33 16.394N	139 35.631E	0		170	16.1	173	14.6	307	1.6	151.4
110520	2025	+09:00	33 15.182N	139 35.837E	1034		168	16.1	173	14.5	315	1.7	152.7
110520	2030	+09:00	33 13.970N	139 36.049E	1004		167	15.9	170	14.8	312	1.4	153.9
110520	2035	+09:00	33 12.746N	139 36.289E	1136		168	16.1	171	15	311	1.2	155.1
110520	2040	+09:00	33 11.501N	139 36.547E	884		168	15.6	170	15.2	310	1	156.4
110520	2045	+09:00	33 10.225N	139 36.758E	717		170	16.2	173	15.7	292	1	157.7
110520	2050	+09:00	33 08.944N	139 36.964E	570		171	15.8	175	15.5	273	0.8	159
110520	2055	+09:00	33 07.626N	139 37.140E	387		170	16.1	175	16.3	236	1.2	160.3
110520	2100	+09:00	33 06.285N	139 37.365E	574		170	16.2	168	15.9	61	0.4	161.7
110520	2105	+09:00	33 05.010N	139 37.675E	748		170	15.9	170	15.5	17	0.7	163
110520	2110	+09:00	33 03.745N	139 37.889E	858		173	16.1	174	15.3	359	0.8	164.2
110520	2115	+09:00	33 02.506N	139 38.064E	702		173	15.9	173	14.7	349	1.1	165.5
110520	2120	+09:00	33 01.289N	139 38.232E	796		173	16.3	173	14.4	353	1.5	166.7
110520	2125	+09:00	33 00.091N	139 38.403E	855		174	16.3	174	14.6	354	1.6	167.9
110520	2130	+09:00	32 58.864N	139 38.568E	0		174	16.1	173	14.9	353	1.1	169.1
110520	2135	+09:00	32 57.609N	139 38.736E	673		174	16.1	175	15.1	353	0.7	170.4
110520	2140	+09:00	32 56.325N	139 38.761E	617		173	16.2	180	15.9	280	2.2	171.7
110520	2145	+09:00	32 55.006N	139 38.778E	581		171	16.2	176	15.7	268	1.6	173
110520	2150	+09:00	32 53.704N	139 38.965E	561		172	16.1	172	15.6	357	0.2	174.3
110520	2155	+09:00	32 52.376N	139 39.174E	526		172	15.8	172	16.1	238	0.1	175.7
110520	2200	+09:00	32 51.055N	139 39.380E	475		173	16.1	174	15.9	163	0.3	177
110520	2205	+09:00	32 49.733N	139 39.607E	448		173	15.8	170	16	68	0.6	178.3
110520	2210	+09:00	32 48.409N	139 39.864E	452		173	15.9	167	16.1	71	1	179.7
110520	2215	+09:00	32 47.108N	139 40.165E	473		173	16.1	167	16.2	85	1.3	181
110520	2220	+09:00	32 45.816N	139 40.438E	430		176	16.2	172	15.7	68	1.3	182.3
110520	2225	+09:00	32 44.515N	139 40.643E	514		177	15.9	174	15.4	54	1.2	183.6
110520	2230	+09:00	32 43.227N	139 40.815E	547		177	16.1	173	15.5	54	0.8	184.9
110520	2235	+09:00	32 41.928N	139 40.967E	657		176	16.2	174	15.4	43	0.7	186.2

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110520	2240	+09:00	32 40.627N	139 41.109E	725		174	15.9	173	15.8	14	0.2	187.5
110520	2245	+09:00	32 39.310N	139 41.261E	801		174	15.8	174	15.9	193	0.1	188.8
110520	2250	+09:00	32 37.976N	139 41.431E	809		174	16.2	173	16.6	151	0.2	190.2
110520	2255	+09:00	32 36.634N	139 41.630E	0		174	16.2	173	16.1	69	0.4	191.5
110520	2300	+09:00	32 35.298N	139 41.827E	1125		175	16.2	173	16.2	70	0.5	192.9
110520	2305	+09:00	32 34.017N	139 42.027E	1130		176	16.2	172	15.1	34	1	194.2
110520	2310	+09:00	32 32.762N	139 42.199E	0		175	16.2	172	15.5	18	0.9	195.4
110520	2315	+09:00	32 31.487N	139 42.371E	1147		175	16.2	172	15	22	1	196.7
110520	2320	+09:00	32 30.211N	139 42.552E	893		175	16.3	173	15.8	46	0.9	198
110520	2325	+09:00	32 28.896N	139 42.738E	822		176	16.1	173	15.8	68	0.6	199.3
110520	2330	+09:00	32 27.579N	139 42.913E	895		175	16.6	171	15.9	58	0.8	200.6
110520	2335	+09:00	32 26.296N	139 43.083E	1013		176	16.1	174	15.3	8	1	201.9
110520	2340	+09:00	32 25.025N	139 43.213E	1180		175	16.2	176	15.5	349	0.7	203.2
110520	2345	+09:00	32 23.738N	139 43.327E	1314		174	16.1	176	15.6	319	0.7	204.5
110520	2350	+09:00	32 22.444N	139 43.465E	1448		174	16.2	176	15.2	328	0.3	205.8
110520	2350	+09:00	32 22.427N	139 43.467E	1450		174	16.1	174	15	338	0.7	205.8 S/B ENG'S
110520	2355	+09:00	32 21.274N	139 43.604E	1516		174	15.4	176	15.2	41	0.2	207
110521	0	+09:00	32 19.981N	139 43.794E	1547		174	15.6	172	16	77	0.5	208.3
110521	5	+09:00	32 18.722N	139 43.994E	1454		177	12.7	175	12.7	121	0.8	209.5
110521	9	+09:00	32 18.070N	139 44.089E	1558	XCTD2	179	4.2	169	4.7	95	0.6	210.1 PASSED 1b & LET GO XCTD
110521	10	+09:00	32 18.039N	139 44.095E	1557		179	3.7	178	4	99	0.6	210.1
110521	15	+09:00	32 17.769N	139 44.162E	1572		176	2.7	172	3.4	134	0.8	210.4
110521	20	+09:00	32 17.409N	139 44.238E	1582		176	7.1	171	8	152	0.9	210.7
110521	25	+09:00	32 16.552N	139 44.319E	1602		176	12.7	176	12.7	139	0.2	211.5
110521	30	+09:00	32 15.380N	139 44.400E	1565		176	15.9	176	15.1	343	0.4	212.6
110521	35	+09:00	32 14.068N	139 44.502E	1584		177	16.1	176	15.9	22	0.5	214
110521	35	+09:00	32 13.972N	139 44.510E	1584		176	16.1	176	15.7	22	0.4	214.2 R/UP ENG'S
110521	37	+09:00	32 13.487N	139 44.554E	1583		175	16.3	174	15.7	63	0.2	214.8 A/CO TO 171*
110521	40	+09:00	32 12.743N	139 44.672E	1582		173	16.3	172	15.9	61	0.5	215.3
110521	45	+09:00	32 11.410N	139 44.906E	1573		173	16.2	170	16.1	85	0.6	216.6
110521	50	+09:00	32 10.088N	139 45.138E	1554		173	16.2	170	15.7	48	0.7	218
110521	55	+09:00	32 08.774N	139 45.378E	1462		174	16.5	171	16.3	73	0.8	219.3
110521	100	+09:00	32 07.438N	139 45.630E	1472		174	16.2	170	16.1	70	0.8	220.7
110521	105	+09:00	32 06.117N	139 45.867E	1372		174	16.3	170	16.6	66	0.7	222
110521	110	+09:00	32 04.803N	139 46.099E	0		174	16.5	169	16.2	56	0.7	223.3
110521	115	+09:00	32 03.484N	139 46.329E	1096		174	16.2	171	16.1	47	0.7	224.7
110521	120	+09:00	32 02.183N	139 46.575E	1177		174	16.2	172	15.7	49	1.1	226
110521	125	+09:00	32 00.870N	139 46.839E	1128		174	16.5	171	15.4	66	1.1	227.3
110521	130	+09:00	31 59.586N	139 47.097E	1047		174	16.5	172	15.6	55	1	228.6
110521	135	+09:00	31 58.309N	139 47.338E	1008		174	16.1	170	15.1	57	0.8	229.9
110521	140	+09:00	31 57.030N	139 47.587E	988		174	16.1	170	15.8	54	1.2	231.2
110521	145	+09:00	31 55.745N	139 47.867E	1002		173	16.6	171	15.8	50	1.4	232.5
110521	150	+09:00	31 54.464N	139 48.159E	977		174	16.3	169	15.7	63	1.4	233.8
110521	155	+09:00	31 53.185N	139 48.472E	936		174	16.3	168	15.7	63	1.6	235.1
110521	200	+09:00	31 51.899N	139 48.806E	982		174	16.3	169	15.9	68	1.9	236.4
110521	205	+09:00	31 50.606N	139 49.175E	949		173	16.3	166	16.1	73	1.6	237.8
110521	210	+09:00	31 49.303N	139 49.492E	827		175	16.2	169	15.7	70	1.5	239.1
110521	215	+09:00	31 47.989N	139 49.759E	667		176	16.3	170	16.3	75	1.4	240.4
110521	220	+09:00	31 46.656N	139 50.008E	722		176	16.3	172	16.1	82	1.4	241.7
110521	225	+09:00	31 45.315N	139 50.251E	985		176	16.3	171	16.5	88	1.4	243.1
110521	230	+09:00	31 43.950N	139 50.503E	1172		176	16.3	170	16.8	94	1.5	244.5
110521	235	+09:00	31 42.567N	139 50.751E	1301		177	16.3	173	16.6	97	1.4	245.8
110521	240	+09:00	31 41.205N	139 50.973E	1395		176	16.5	171	16.8	97	1.1	247.2
110521	245	+09:00	31 39.833N	139 51.199E	1436		175	16.3	172	16.6	102	1	248.6
110521	250	+09:00	31 38.454N	139 51.418E	1426		174	16.2	173	17	103	0.7	250
110521	255	+09:00	31 37.083N	139 51.640E	1132		173	16.3	172	16.7	116	0.6	251.4
110521	300	+09:00	31 35.695N	139 51.865E	1106		173	16.3	172	16.7	141	0.5	252.8
110521	305	+09:00	31 34.306N	139 52.081E	974		172	16.3	173	16.8	179	0.5	254.2
110521	310	+09:00	31 32.915N	139 52.299E	990		171	16.6	172	16.7	212	0.5	255.6
110521	315	+09:00	31 31.520N	139 52.512E	974		171	16.3	173	16.9	221	0.8	257
110521	320	+09:00	31 30.106N	139 52.701E	904		171	16.5	173	17.2	214	1.2	258.4
110521	325	+09:00	31 28.723N	139 52.879E	762		171	16.5	172	16.2	247	0.7	259.8
110521	330	+09:00	31 27.359N	139 53.048E	690		170	16.6	172	16.5	240	0.9	261.2
110521	335	+09:00	31 26.005N	139 53.233E	921		169	16.2	174	16.4	261	1.1	262.5
110521	340	+09:00	31 24.663N	139 53.430E	983		168	16.3	172	16.3	265	1.4	263.9
110521	345	+09:00	31 23.331N	139 53.665E	990		167	16.3	168	16.2	268	0.8	265.2
110521	350	+09:00	31 21.997N	139 53.928E	1357		168	16.2	170	16.1	277	0.8	266.6
110521	355	+09:00	31 20.675N	139 54.157E	1513		168	16.2	171	16	274	1	267.9
110521	400	+09:00	31 19.335N	139 54.410E	1813		168	16.2	169	16	257	0.7	269.3
110521	405	+09:00	31 17.990N	139 54.672E	1885		168	16.2	169	17	227	0.6	270.6
110521	410	+09:00	31 16.634N	139 54.941E	2032		169	16.3	170	16.6	215	0.4	272
110521	415	+09:00	31 15.261N	139 55.205E	2087		170	16.5	172	17.1	189	0.6	273.4
110521	420	+09:00	31 13.898N	139 55.440E	2098		169	16.3	170	16.3	257	0.4	274.8
110521	425	+09:00	31 12.573N	139 55.694E	2115		170	16.1	172	16.4	284	0.3	276.1
110521	430	+09:00	31 11.244N	139 55.950E	2129		170	16.5	169	16.4	299	0.1	277.5
110521	435	+09:00	31 09.903N	139 56.198E	2081		171	16.5	171	16.4	319	0.2	278.8
110521	440	+09:00	31 08.565N	139 56.442E	2023		171	16.3	171	16.2	315	0.2	280.2
110521	441	+09:00	31 08.289N	139 56.489E	2027		171	16.1	169	15.9	298	0.2	280.5 SUNRISE & TURNED OFF REGULATION LIGHTS
110521	445	+09:00	31 07.228N	139 56.668E	1806		171	16.3	172	16.4	274	0.2	281.5
110521	450	+09:00	31 05.894N	139 56.890E	1713		170	16.3	174	15.9	287	0.6	282.9
110521	455	+09:00	31 04.548N	139 57.112E	1481		169	16.3	172	16.3	260	0.7	284.2
110521	500	+09:00	31 03.205N	139 57.329E	1221		169	16.3	171	16.4	258	0.9	285.6
110521	505	+09:00	31 01.851N	139 57.572E	698		167	16.5	172	16.2	266	1	287
110521	510	+09:00	31 00.504N	139 57.808E	1166		168	16.5	172	16.4	252	1.1	288.3
110521	515	+09:00	30 59.132N	139 58.017E	1110		168	16.5	170	16.5	242	1.4	289.7
110521	520	+09:00	30 57.729N	139 58.246E	1138		166	16.3	171	16.8	244	1.6	291.1
110521	525	+09:00	30 56.358N	139 58.501E	1085		167	16.2	173	16.9	236	1.1	292.5
110521	530	+09:00	30 54.994N	139 58.750E	1069		167	16.2	171	16.4	249	1.2	293.9

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110521	535	+09:00	30 53.632N	139 58.997E	1327		167	16.5	170	16.7	256	1.1	295.3
110521	540	+09:00	30 52.277N	139 59.251E	1659		168	16.3	172	16.2	261	0.8	296.6
110521	545	+09:00	30 50.919N	139 59.510E	1617		168	16.3	171	16.6	237	0.9	298
110521	550	+09:00	30 49.557N	139 59.747E	1568		168	16.3	172	16.7	247	1	299.4
110521	555	+09:00	30 48.180N	139 59.983E	1626		168	16.5	173	16.5	236	1.2	300.8
110521	600	+09:00	30 46.802N	140 00.229E	1853		168	16.2	172	16.6	222	1.3	302.2
110521	605	+09:00	30 45.441N	140 00.469E	2070		168	16.2	171	16.6	261	1.1	303.5
110521	610	+09:00	30 44.089N	140 00.704E	2141		167	16.3	172	16.5	276	1.2	304.9
110521	615	+09:00	30 42.743N	140 00.936E	2131		167	15.9	168	16.1	257	1.2	306.3
110521	620	+09:00	30 41.408N	140 01.200E	2152		164	16.2	169	16.3	262	1.2	307.6
110521	625	+09:00	30 40.089N	140 01.516E	2130		165	16.3	169	16	267	1	309
110521	630	+09:00	30 38.776N	140 01.818E	2074		167	16.2	172	15.9	274	0.9	310.3
110521	635	+09:00	30 37.468N	140 02.082E	2087		167	16.6	171	15.9	290	1	311.6
110521	640	+09:00	30 36.151N	140 02.310E	2061		168	16.5	172	16	270	1	313
110521	645	+09:00	30 34.827N	140 02.534E	1957		167	16.2	169	15.7	287	1.1	314.3
110521	650	+09:00	30 33.529N	140 02.837E	1782		168	16.3	170	15.8	292	0.4	315.6
110521	655	+09:00	30 32.214N	140 03.088E	1524		170	16.3	172	16.2	269	0.5	316.9
110521	700	+09:00	30 30.875N	140 03.302E	1236		170	16.2	173	16.1	287	0.6	318.3
110521	705	+09:00	30 29.535N	140 03.530E	1092		169	16.3	168	16.2	273	0.4	319.6
110521	710	+09:00	30 28.217N	140 03.776E	1352		170	16.3	171	16	302	0.3	321
110521	714	+09:00	30 26.953N	140 03.985E	1598		171	16.3	172	15.8	272	0.7	322.3
110521	715	+09:00	30 26.900N	140 03.993E	1622		170	16.5	171	16.2	269	0.6	322.3
110521	720	+09:00	30 25.568N	140 04.274E	1915		167	16.2	170	16.2	268	0.6	323.7
110521	725	+09:00	30 24.244N	140 04.587E	2172		167	16.2	169	16.6	260	0.4	325
110521	730	+09:00	30 22.905N	140 04.904E	2245		167	16.6	168	16.5	255	0.5	326.4
110521	735	+09:00	30 21.562N	140 05.239E	2310		166	16.1	165	16.3	235	0.2	327.7
110521	740	+09:00	30 20.245N	140 05.484E	2068		170	16.6	172	15.7	296	0.7	329.1
110521	745	+09:00	30 18.915N	140 05.700E	1978		170	16.2	172	16.3	272	0.6	330.4
110521	750	+09:00	30 17.575N	140 05.927E	1926		169	16.5	170	16.2	267	0.7	331.8
110521	755	+09:00	30 16.245N	140 06.129E	1788		173	16.5	177	16.1	254	0.7	333.1
110521	800	+09:00	30 14.923N	140 06.394E	1732		168	16.3	172	16	264	0.5	334.4
110521	805	+09:00	30 13.589N	140 06.673E	1559		167	16.3	171	16.4	263	0.7	335.8
110521	810	+09:00	30 12.259N	140 06.941E	1664		166	16.3	172	16.5	262	0.8	337.1
110521	815	+09:00	30 10.922N	140 07.210E	1616		167	16.3	170	16.1	263	0.9	338.5
110521	820	+09:00	30 09.582N	140 07.489E	1594		166	16.5	170	16.7	251	0.9	339.9
110521	825	+09:00	30 08.242N	140 07.774E	1622		167	16.5	170	16.7	249	1	341.2
110521	830	+09:00	30 06.900N	140 08.060E	1654		166	16.3	168	16	272	0.9	342.6
110521	835	+09:00	30 05.581N	140 08.365E	1646		167	16.2	168	16.1	297	0.6	343.9
110521	840	+09:00	30 04.256N	140 08.670E	1618		168	16.3	168	16.6	233	0.3	345.3
110521	845	+09:00	30 02.907N	140 08.960E	1644		168	16.1	169	16.3	255	0.5	346.6
110521	850	+09:00	30 01.552N	140 09.244E	1610		168	16.6	169	16.8	238	0.6	348
110521	855	+09:00	30 00.181N	140 09.516E	1574		168	16.3	171	16.9	234	0.9	349.4
110521	900	+09:00	29 58.828N	140 09.813E	1586		168	16.3	169	16.5	244	0.5	350.8
110521	905	+09:00	29 57.461N	140 10.101E	2068		168	15.9	170	16.8	224	0.8	352.2
110521	910	+09:00	29 56.098N	140 10.393E	2389		167	16.2	168	16.6	242	0.5	353.6
110521	915	+09:00	29 54.746N	140 10.712E	2648		168	16.5	169	16.4	178	0.2	354.9
110521	920	+09:00	29 53.411N	140 11.031E	2582		169	16.5	167	16.5	89	0.2	356.3
110521	925	+09:00	29 52.069N	140 11.359E	2451		168	16.1	167	16.5	118	0.4	357.7
110521	930	+09:00	29 50.727N	140 11.731E	2184		169	16.3	164	16.3	91	1	359.1
110521	935	+09:00	29 49.397N	140 12.119E	1853		170	16.5	166	16.8	88	1	360.4
110521	940	+09:00	29 48.056N	140 12.487E	1314		171	16.2	167	16.5	105	1.3	361.8
110521	945	+09:00	29 46.693N	140 12.813E	845		173	16.3	165	16.9	103	1.2	363.2
110521	950	+09:00	29 45.322N	140 13.109E	978		173	16.6	168	16.5	97	1	364.6
110521	955	+09:00	29 43.969N	140 13.387E	1730		173	16.3	172	16.5	81	0.9	366
110521	1000	+09:00	29 42.640N	140 13.668E	2178		173	16.5	172	15.8	72	0.8	367.3
110521	1005	+09:00	29 41.319N	140 13.936E	2333		172	16.5	166	16.5	62	0.8	368.7
110521	1010	+09:00	29 39.990N	140 14.198E	2378		172	16.5	168	16	55	0.6	370
110521	1015	+09:00	29 38.676N	140 14.455E	2442		172	16.5	170	16	51	0.5	371.3
110521	1020	+09:00	29 37.350N	140 14.712E	2453		171	16.6	171	16.1	44	0.4	372.7
110521	1025	+09:00	29 36.029N	140 14.979E	2533		171	16.5	169	16.2	40	0.2	374
110521	1030	+09:00	29 34.713N	140 15.241E	2350		170	16.3	168	15.8	27	0.2	375.4
110521	1035	+09:00	29 33.394N	140 15.517E	2157		170	16.3	171	16.2	61	0.2	376.7
110521	1040	+09:00	29 32.060N	140 15.837E	1965		172	16.2	170	16.4	82	0.9	378
110521	1045	+09:00	29 30.721N	140 16.131E	1687		171	16.5	168	16.7	103	0.7	379.4
110521	1050	+09:00	29 29.370N	140 16.409E	1574		172	16.3	168	16.1	77	0.4	380.8
110521	1055	+09:00	29 28.030N	140 16.683E	1599		172	16.5	170	16.1	50	0.5	382.1
110521	1100	+09:00	29 26.714N	140 16.957E	2039		171	16.2	171	16.2	63	0.6	383.5
110521	1105	+09:00	29 25.388N	140 17.241E	2551		171	16.3	167	16.6	75	0.5	384.8
110521	1110	+09:00	29 24.052N	140 17.539E	2964		172	16.5	171	16.3	82	0.6	386.2
110521	1115	+09:00	29 22.719N	140 17.822E	2962		172	16.6	169	16.3	76	0.6	387.5
110521	1120	+09:00	29 21.393N	140 18.113E	3112		172	16.3	169	16.5	94	0.9	388.9
110521	1125	+09:00	29 20.049N	140 18.408E	3192		172	16.3	169	16.5	87	0.9	390.3
110521	1130	+09:00	29 18.703N	140 18.705E	3135		173	16.6	170	15.9	72	1	391.6
110521	1135	+09:00	29 17.369N	140 18.980E	3233		173	16.2	172	16.5	75	0.8	393
110521	1140	+09:00	29 16.029N	140 19.263E	3365		173	16.5	171	16.2	89	0.8	394.3
110521	1145	+09:00	29 14.697N	140 19.539E	3161		172	16.5	167	16.4	75	0.7	395.7
110521	1150	+09:00	29 13.369N	140 19.814E	3102		172	16.2	169	16	67	0.8	397
110521	1155	+09:00	29 12.035N	140 20.087E	3305		172	16.3	172	16	73	0.6	398.4
110521	1200	+09:00	29 10.704N	140 20.357E	3337		172	16.3	171	15.9	53	0.7	399.7
110521	1205	+09:00	29 09.375N	140 20.620E	3294		172	16.1	171	16	65	0.4	401.1
110521	1210	+09:00	29 08.059N	140 20.879E	3042		172	16.5	171	16.3	42	0.5	402.4
110521	1215	+09:00	29 06.740N	140 21.167E	2957		172	16.5	172	16.3	48	0.7	403.8
110521	1220	+09:00	29 05.446N	140 21.448E	2864		172	16.2	168	15.7	41	0.8	405.1
110521	1225	+09:00	29 04.143N	140 21.742E	2837		172	16.2	167	15.7	51	1.1	406.4
110521	1230	+09:00	29 02.865N	140 22.021E	2794		172	16.1	168	15.5	45	1.1	407.7
110521	1235	+09:00	29 01.585N	140 22.292E	2748		173	16.6	169	15.6	39	1.1	409
110521	1240	+09:00	29 00.302N	140 22.565E	2629		173	16.5	172	15.9	41	1.1	410.3
110521	1245	+09:00	28 59.016N	140 22.823E	2788		172	16.5	168	16.1	36	0.9	411.6

PASSED 1c & A/CO TO 170°



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110521	1250	+09:00	28 57.719N	140 23.091E	2348		172	16.2	165	15.8	31	1	412.9
110521	1255	+09:00	28 56.422N	140 23.368E	2460		172	16.3	170	15.7	42	1	414.2
110521	1300	+09:00	28 55.136N	140 23.643E	2910		172	16.5	170	15.7	43	1.1	415.5
110521	1305	+09:00	28 53.848N	140 23.920E	3060		173	16.5	168	15.7	55	1.1	416.8
110521	1310	+09:00	28 52.552N	140 24.192E	3100		173	16.5	169	16	58	1	418.1
110521	1315	+09:00	28 51.245N	140 24.453E	3200		172	16.8	170	16.1	40	1	419.4
110521	1320	+09:00	28 49.944N	140 24.721E	3236		172	16.5	171	16	41	0.9	420.8
110521	1325	+09:00	28 48.632N	140 24.986E	3258		172	16.5	172	15.9	50	0.8	422.1
110521	1330	+09:00	28 47.320N	140 25.256E	3311		171	16.2	169	16.2	49	0.8	423.4
110521	1335	+09:00	28 46.006N	140 25.530E	3165		172	16.6	170	16.2	55	0.7	424.8
110521	1340	+09:00	28 44.683N	140 25.790E	2975		171	16.6	171	16	43	0.5	426.1
110521	1345	+09:00	28 43.348N	140 26.058E	2990		171	16.5	171	15.9	77	0.3	427.5
110521	1350	+09:00	28 42.013N	140 26.322E	2893		170	16.1	168	16.3	22	0.2	428.8
110521	1355	+09:00	28 40.674N	140 26.593E	2837		170	16.5	169	16.3	32	0.2	430.2
110521	1400	+09:00	28 39.346N	140 26.863E	2704		170	16.2	170	16.2	22	0.2	431.6
110521	1405	+09:00	28 38.014N	140 27.127E	2620		170	16.2	170	16.1	343	0.2	432.9
110521	1410	+09:00	28 36.699N	140 27.401E	2449		169	16.3	169	15.9	359	0.4	434.2
110521	1415	+09:00	28 35.373N	140 27.687E	2070		170	16.3	170	16.2	137	0.3	435.6
110521	1420	+09:00	28 34.038N	140 27.962E	2026		169	16.3	168	16.2	7	0.1	436.9
110521	1425	+09:00	28 32.682N	140 28.243E	2611		170	16.6	169	16.5	201	0.1	438.3
110521	1430	+09:00	28 31.339N	140 28.509E	2563		170	16.5	172	16.4	270	0.2	439.7
110521	1435	+09:00	28 29.996N	140 28.763E	2579		170	16.5	169	16.3	234	0.4	441
110521	1440	+09:00	28 28.655N	140 29.017E	2515		170	16.6	171	16.2	278	0.3	442.4
110521	1445	+09:00	28 27.323N	140 29.295E	2441		170	16.5	169	16.8	136	0.3	443.8
110521	1450	+09:00	28 25.961N	140 29.614E	2338		170	16.2	166	16.6	121	0.6	445.1
110521	1455	+09:00	28 24.601N	140 29.950E	2132		169	16.5	169	16.9	121	0.7	446.5
110521	1500	+09:00	28 23.230N	140 30.288E	2002		170	16.3	171	17.1	139	0.7	447.9
110521	1505	+09:00	28 21.848N	140 30.609E	1779		170	16.3	167	16.5	144	0.4	449.3
110521	1510	+09:00	28 20.480N	140 30.913E	1556		169	16.2	169	16.7	169	0.8	450.7
110521	1515	+09:00	28 19.113N	140 31.214E	1474		169	16.5	168	16.5	154	0.1	452.1
110521	1520	+09:00	28 17.773N	140 31.471E	1452		173	16.6	170	16.4	350	0.3	453.4
110521	1525	+09:00	28 16.443N	140 31.686E	1722		171	16.5	170	16.1	206	0.1	454.8
110521	1530	+09:00	28 15.128N	140 31.931E	1933		170	16.5	170	16.3	344	0.5	456.1
110521	1535	+09:00	28 13.829N	140 32.181E	2178		170	16.2	174	15.6	340	0.5	457.4
110521	1540	+09:00	28 12.523N	140 32.429E	2355		170	16.5	169	15.8	313	0.4	458.7
110521	1545	+09:00	28 11.208N	140 32.693E	2513		169	16.5	172	16.1	302	0.3	460.1
110521	1550	+09:00	28 09.897N	140 32.967E	2668		169	16.3	167	16.1	343	0.4	461.4
110521	1555	+09:00	28 08.584N	140 33.232E	2765		170	16.5	172	15.8	328	0.7	462.7
110521	1600	+09:00	28 07.280N	140 33.487E	2827		170	16.6	172	16.2	328	0.6	463.8
110521	1605	+09:00	28 05.972N	140 33.744E	2777		170	16.5	173	16	314	0.4	465.1
110521	1610	+09:00	28 04.666N	140 34.003E	2742		169	16.3	170	15.6	342	0.6	466.5
110521	1615	+09:00	28 03.393N	140 34.262E	2868		170	16.2	168	15.6	342	0.8	467.7
110521	1620	+09:00	28 02.127N	140 34.502E	2665		170	16.3	172	15.2	336	1.2	469
110521	1625	+09:00	28 00.876N	140 34.750E	3112		169	16.3	169	15.4	343	1.1	470.3
110521	1630	+09:00	27 59.621N	140 35.012E	3150		169	16.3	167	15.5	349	1.1	471.6
110521	1635	+09:00	27 58.360N	140 35.262E	3189		170	16.6	171	15.1	341	1.2	472.8
110521	1640	+09:00	27 57.112N	140 35.503E	3450		170	16.5	172	15.1	344	1.3	474.1
110521	1645	+09:00	27 55.861N	140 35.745E	3464		170	16.5	172	15.3	342	0.9	475.4
110521	1650	+09:00	27 54.612N	140 35.985E	3509		170	16.3	170	15.2	345	1.3	476.6
110521	1655	+09:00	27 53.343N	140 36.229E	3526		170	16.3	169	15.6	336	0.8	477.9
110521	1700	+09:00	27 52.062N	140 36.484E	3534		170	16.3	170	15.5	329	0.3	479.2
110521	1705	+09:00	27 50.774N	140 36.730E	3528		170	16.5	173	15.5	332	1	480.5
110521	1710	+09:00	27 49.497N	140 36.977E	3510		169	16.3	170	15.3	336	0.9	481.8
110521	1715	+09:00	27 48.242N	140 37.230E	3486		169	16.5	169	15.1	338	0.8	483.1
110521	1720	+09:00	27 46.985N	140 37.497E	3480		169	16.3	170	15.5	350	0.8	484.4
110521	1725	+09:00	27 45.711N	140 37.765E	3428		169	16.5	167	15.4	346	1	485.6
110521	1730	+09:00	27 44.452N	140 38.039E	3334		170	16.2	169	15.3	2	0.9	486.9
110521	1735	+09:00	27 43.183N	140 38.308E	3192		170	16.6	169	15.7	353	0.7	488.2
110521	1740	+09:00	27 41.889N	140 38.575E	3017		169	16.5	169	15.7	352	0.5	489.5
110521	1745	+09:00	27 40.602N	140 38.848E	2736		170	16.2	170	15.6	344	0.7	490.8
110521	1750	+09:00	27 39.320N	140 39.102E	2422		169	16.3	169	15.6	338	0.9	492.1
110521	1755	+09:00	27 38.038N	140 39.342E	2128		169	16.2	168	15.4	321	0.8	493.4
110521	1800	+09:00	27 36.765N	140 39.584E	2176		170	16.6	171	15.6	329	0.7	494.7
110521	1805	+09:00	27 35.464N	140 39.830E	2123		170	16.3	172	15.8	322	0.6	496
110521	1810	+09:00	27 34.153N	140 40.075E	2227		169	16.3	171	16.1	321	0.4	497.3
110521	1815	+09:00	27 32.844N	140 40.337E	2434		167	16.3	169	16	271	0.6	498.7
110521	1820	+09:00	27 31.563N	140 40.600E	2573		164	16.5	167	15.8	310	1	500
110521	1822	+09:00	27 31.050N	140 40.833E	2756		164	16.3	166	15.6	308	1.1	500.5
110521	1825	+09:00	27 30.306N	140 41.044E	2746		164	16.5	166	15.1	312	0.8	501.3
110521	1830	+09:00	27 29.061N	140 41.341E	2714		168	16.6	167	15.5	332	1	502.6
110521	1835	+09:00	27 27.795N	140 41.610E	2676		168	16.3	169	15.7	330	0.9	503.8
110521	1840	+09:00	27 26.512N	140 41.879E	2600		168	16.8	170	15.7	317	0.9	505.1
110521	1845	+09:00	27 25.251N	140 42.156E	2455		168	16.3	169	15.1	327	1	506.4
110521	1850	+09:00	27 23.986N	140 42.404E	2392		170	16.3	172	15.5	319	0.6	507.7
110521	1855	+09:00	27 22.703N	140 42.633E	2296		170	16.6	170	15.3	348	1	509
110521	1856	+09:00	27 22.213N	140 42.731E	2267		170	16.6	170	15.1	346	1.2	509.5
110521	1900	+09:00	27 21.521N	140 42.873E	2166		170	12.7	167	11.9	354	0.9	510.2
110521	1905	+09:00	27 20.919N	140 43.014E	2078		167	3	166	2.6	17	0.6	510.9
110521	1905	+09:00	27 20.895N	140 43.021E	1982	XCTD3	165	2.6	166	2.1	352	0.7	510.9
110521	1910	+09:00	27 20.746N	140 43.067E	1951		170	2.8	170	2.4	28	0.4	511.1
110521	1915	+09:00	27 20.535N	140 43.130E	2035		169	3.1	167	2.6	27	0.4	511.3
110521	1920	+09:00	27 20.201N	140 43.218E	2028		170	7.7	168	6.9	10	0.4	511.6
110521	1925	+09:00	27 19.424N	140 43.363E	1932		171	11.7	170	10.9	353	0.7	512.4
110521	1930	+09:00	27 18.449N	140 43.550E	1894		170	14.8	172	13.8	346	0.8	513.3
110521	1935	+09:00	27 17.232N	140 43.769E	1679		170	16.5	170	15.7	327	0.8	514.6
110521	1940	+09:00	27 15.931N	140 44.010E	1216		170	16.3	172	16.2	332	0.6	515.9
110521	1945	+09:00	27 14.600N	140 44.269E	881		170	16.3	171	16.3	336	0.3	517.2
110521	1950	+09:00	27 13.280N	140 44.517E	1062		170	16.5	171	15.8	327	0.4	518.5

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110521	1955	+09:00	27 11.943N	140 44.750E	1680		170	16.5	171	16.4	295	0.6	519.9
110521	2000	+09:00	27 10.607N	140 44.993E	1801		166	16.2	168	16	286	0.7	521.2
110521	2005	+09:00	27 09.297N	140 45.274E	1959		167	16.6	171	16.2	292	0.7	522.6
110521	2010	+09:00	27 07.975N	140 45.534E	2082		167	16.8	170	16.2	274	0.9	523.9
110521	2015	+09:00	27 06.642N	140 45.775E	2202		168	16.5	171	16.2	278	1.1	525.3
110521	2020	+09:00	27 05.311N	140 46.021E	2270		166	16.5	169	16.5	287	1.3	526.6
110521	2025	+09:00	27 03.979N	140 46.301E	2170		166	16.6	167	16.4	277	0.9	528
110521	2030	+09:00	27 02.666N	140 46.615E	2140		167	16.5	168	16	341	0.6	529.3
110521	2035	+09:00	27 01.388N	140 46.940E	2160		169	16.6	169	15.5	12	1.1	530.6
110521	2040	+09:00	27 00.118N	140 47.262E	2236		169	16.6	164	15.7	52	0.8	531.9
110521	2045	+09:00	26 58.844N	140 47.617E	2386		169	16.6	165	16.1	43	1.2	533.2
110521	2050	+09:00	26 57.568N	140 47.999E	2478		170	16.6	164	16.2	56	1.4	534.5
110521	2055	+09:00	26 56.289N	140 48.338E	2539		172	16.5	168	15.9	54	1.5	535.9
110521	2100	+09:00	26 54.991N	140 48.638E	2570		174	16.8	166	16.3	57	1.4	537.2
110521	2105	+09:00	26 53.693N	140 48.922E	2502		174	16.8	170	15.9	58	1.6	538.5
110521	2110	+09:00	26 52.386N	140 49.204E	2272		174	16.5	170	16.1	67	1.5	539.8
110521	2115	+09:00	26 51.071N	140 49.489E	2463		175	16.6	169	15.9	65	1.7	541.2
110521	2120	+09:00	26 49.760N	140 49.775E	2395		175	16.5	172	16.3	62	1.6	542.5
110521	2125	+09:00	26 48.430N	140 50.053E	2342		175	16.5	167	16.2	74	1.7	543.8
110521	2130	+09:00	26 47.105N	140 50.347E	2274		176	16.6	169	16.3	80	2	545.2
110521	2135	+09:00	26 45.765N	140 50.644E	2166		176	16.6	166	16.7	79	2.1	546.6
110521	2140	+09:00	26 44.403N	140 50.935E	2056		177	16.6	168	17	89	2.1	547.9
110521	2145	+09:00	26 43.039N	140 51.213E	1866		177	16.5	170	16.4	90	1.9	549.3
110521	2150	+09:00	26 41.698N	140 51.458E	1664		176	16.8	168	16.2	73	1.5	550.7
110521	2155	+09:00	26 40.352N	140 51.734E	1484		176	16.6	169	16.5	84	1.7	552
110521	2200	+09:00	26 39.003N	140 52.004E	1424		176	16.6	169	16.6	91	1.7	553.4
110521	2205	+09:00	26 37.664N	140 52.270E	1456		176	16.3	170	16.4	84	1.3	554.7
110521	2210	+09:00	26 36.315N	140 52.537E	1183		175	16.3	171	16.5	84	1.5	556.1
110521	2215	+09:00	26 34.962N	140 52.810E	1288		174	16.5	171	16.5	67	1.4	557.5
110521	2220	+09:00	26 33.611N	140 53.084E	1664		175	16.5	169	16.8	88	1.4	558.9
110521	2225	+09:00	26 32.257N	140 53.350E	1753		174	16.5	172	16.8	91	1.4	560.2
110521	2230	+09:00	26 30.888N	140 53.621E	2040		174	16.5	170	16.5	85	1.1	561.6
110521	2235	+09:00	26 29.539N	140 53.875E	2126		174	16.6	172	16.2	65	0.9	563
110521	2240	+09:00	26 28.190N	140 54.135E	2134		173	16.8	171	16.2	84	0.8	564.4
110521	2245	+09:00	26 26.840N	140 54.422E	1766		173	16.6	170	16.8	74	1.1	565.7
110521	2250	+09:00	26 25.485N	140 54.712E	1886		173	16.6	169	16.7	77	1	567.1
110521	2255	+09:00	26 24.148N	140 54.979E	2156		173	16.5	170	16	76	1	568.5
110521	2300	+09:00	26 22.797N	140 55.256E	2128		173	16.3	168	16.6	87	1.1	569.9
110521	2305	+09:00	26 21.433N	140 55.524E	2126		173	16.8	170	16.4	86	0.8	571.2
110521	2310	+09:00	26 20.079N	140 55.791E	2120		173	16.3	173	16.6	95	0.8	572.6
110521	2315	+09:00	26 18.708N	140 56.056E	2120		172	16.6	169	16.8	97	0.6	574
110521	2320	+09:00	26 17.317N	140 56.344E	2074		172	16.9	171	17.2	107	0.8	575.4
110521	2325	+09:00	26 15.930N	140 56.620E	2011		172	16.8	169	17	111	0.7	576.8
110521	2330	+09:00	26 14.542N	140 56.887E	1853		171	16.2	169	16.9	101	0.9	578.3
110521	2335	+09:00	26 13.155N	140 57.159E	1732		172	16.5	170	16.6	107	0.5	579.7
110521	2340	+09:00	26 11.771N	140 57.417E	1642		171	16.3	172	16.8	139	0.3	581.1
110521	2345	+09:00	26 10.390N	140 57.697E	1556		171	16.5	171	16.8	165	0.4	582.5
110521	2350	+09:00	26 09.003N	140 57.971E	1378		170	16.5	169	16.8	154	0.3	583.9
110521	2355	+09:00	26 07.619N	140 58.246E	1196		170	16.6	169	17	174	0.2	585.3
110522	0	+09:00	26 06.245N	140 58.511E	1002		170	16.6	170	16.8	188	0.6	586.7
110522	5	+09:00	26 04.865N	140 58.781E	472		170	16.2	172	16.8	180	0.6	588.1
110522	10	+09:00	26 03.470N	140 59.029E	0		170	16.6	170	17.1	224	0.7	589.5
110522	15	+09:00	26 02.095N	140 59.257E	1246		170	16.5	176	16.9	236	0.6	590.9
110522	20	+09:00	26 00.710N	140 59.471E	1609		170	16.3	172	16.6	241	0.8	592.3
110522	25	+09:00	25 59.330N	140 59.682E	1902		170	16.6	172	16.4	249	0.7	593.7
110522	30	+09:00	25 57.959N	140 59.911E	2089		168	16.6	170	16.9	241	0.9	595
110522	35	+09:00	25 56.597N	141 00.169E	2192		167	16.3	169	16.3	260	0.8	596.4
110522	40	+09:00	25 55.253N	141 00.435E	2204		167	16.2	171	16.5	271	0.8	597.8
110522	45	+09:00	25 53.914N	141 00.715E	2212		167	16.3	168	16.7	251	0.6	599.1
110522	50	+09:00	25 52.565N	141 00.996E	2268		167	16.6	169	16.5	263	0.6	600.5
110522	55	+09:00	25 51.206N	141 01.260E	2316		167	16.2	168	16.9	250	0.9	601.9
110522	100	+09:00	25 49.850N	141 01.521E	2345		166	16.2	170	16.7	242	1.2	603.3
110522	105	+09:00	25 48.480N	141 01.798E	2377		166	16.8	168	16.4	256	0.9	604.6
110522	110	+09:00	25 47.131N	141 02.083E	2447		166	16.6	167	16.1	261	0.8	606
110522	115	+09:00	25 45.786N	141 02.378E	2446		167	16.8	166	16.5	239	0.6	607.4
110522	120	+09:00	25 44.424N	141 02.660E	2431		168	16.3	168	16.7	237	0.6	608.8
110522	125	+09:00	25 43.063N	141 02.942E	2392		167	16.6	170	16.8	252	0.6	610.2
110522	130	+09:00	25 41.709N	141 03.225E	2267		167	16.9	167	16.7	253	0.6	611.5
110522	135	+09:00	25 40.362N	141 03.502E	2048		167	16.6	169	16.4	254	0.6	612.9
110522	140	+09:00	25 39.005N	141 03.767E	1987		167	16.3	169	16.2	263	0.8	614.3
110522	145	+09:00	25 37.667N	141 04.028E	1932		167	16.6	172	16	259	1	615.6
110522	150	+09:00	25 36.324N	141 04.282E	1800		166	16.5	170	16.7	263	1.3	617
110522	155	+09:00	25 34.968N	141 04.527E	1647		166	16.6	173	16.5	262	1.4	618.4
110522	200	+09:00	25 33.597N	141 04.777E	1481		164	16.6	170	16.5	256	1.7	619.8
110522	205	+09:00	25 32.202N	141 05.040E	1337		164	16.6	171	17.1	246	1.9	621.2
110522	210	+09:00	25 30.803N	141 05.308E	1197		164	16.5	170	16.4	243	2	622.6
110522	215	+09:00	25 29.453N	141 05.581E	1155		164	16.6	171	16.4	264	1.6	624
110522	220	+09:00	25 28.109N	141 05.869E	1066		164	16.3	170	16.4	263	1.4	625.3
110522	225	+09:00	25 26.759N	141 06.155E	0		164	16.6	170	16.5	252	1.5	626.7
110522	230	+09:00	25 25.435N	141 06.424E	910		164	16.3	167	16.3	266	1.6	628
110522	235	+09:00	25 24.099N	141 06.732E	988		165	16.6	166	15.9	297	1	629.4
110522	240	+09:00	25 22.792N	141 07.028E	1006		166	16.5	167	16.3	297	1	630.7
110522	245	+09:00	25 21.515N	141 07.299E	1041		166	16.3	171	15.4	310	1.3	632
110522	250	+09:00	25 20.230N	141 07.569E	1140		166	16.5	168	16	291	1.1	633.3
110522	255	+09:00	25 18.903N	141 07.831E	1221		166	16.6	170	16.2	277	1.1	634.7
110522	300	+09:00	25 17.562N	141 08.085E	1184		166	16.6	171	16.6	272	1.3	636
110522	305	+09:00	25 16.213N	141 08.352E	1268		166	16.6	170	16.3	251	1.1	637.4
110522	310	+09:00	25 14.857N	141 08.623E	1128		165	16.5	169	16.6	254	1.2	638.8



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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110522	315	+09:00	25 13.510N	141 08.894E	843		166	16.5	172	16.6	262	1.2	640.1
110522	320	+09:00	25 12.156N	141 09.168E	1059		166	16.5	170	16.5	253	1.2	641.5
110522	325	+09:00	25 10.792N	141 09.435E	1168		165	16.5	170	16.3	258	1.5	642.9
110522	330	+09:00	25 09.436N	141 09.701E	1043		164	16.5	169	16.3	250	1.4	644.3
110522	335	+09:00	25 08.088N	141 09.970E	1302		164	16.2	168	16.3	271	1.3	645.6
110522	340	+09:00	25 06.756N	141 10.237E	1364		165	16.8	170	16.1	275	1.6	647
110522	345	+09:00	25 05.437N	141 10.496E	1292		164	16.5	170	16	271	1.7	648.3
110522	350	+09:00	25 04.102N	141 10.757E	1299		164	16.8	171	16.2	263	1.7	649.7
110522	355	+09:00	25 02.766N	141 11.017E	1360		164	16.6	170	16.2	271	1.6	651
110522	400	+09:00	25 01.434N	141 11.291E	1360		164	16.6	170	16.1	269	1.5	652.4
110522	405	+09:00	25 00.112N	141 11.568E	1420		164	16.8	168	15.8	281	1.5	653.7
110522	410	+09:00	24 58.792N	141 11.848E	1374		164	16.8	166	16.1	281	1.4	655.1
110522	415	+09:00	24 57.470N	141 12.129E	1341		165	16.6	169	16.1	277	1.3	656.4
110522	420	+09:00	24 56.143N	141 12.416E	1267		165	16.3	166	16.4	271	1.1	657.8
110522	425	+09:00	24 54.814N	141 12.694E	1104		166	16.6	170	16.1	284	1.2	659.1
110522	430	+09:00	24 53.497N	141 12.971E	901		166	16.5	168	15.8	294	1.1	660.4
110522	435	+09:00	24 52.181N	141 13.241E	726		166	16.8	169	15.7	288	1.1	661.8
110522	440	+09:00	24 50.861N	141 13.514E	578		166	16.6	169	16.1	282	0.9	663.1
110522	445	+09:00	24 49.521N	141 13.770E	473		166	16.6	172	16.3	266	1.4	664.5
110522	449	+09:00	24 48.443N	141 13.979E	450		165	16.5	169	16.3	262	1.1	665.6
110522	450	+09:00	24 48.185N	141 14.037E	433		166	16.8	168	15.9	294	1.1	665.8
110522	455	+09:00	24 46.912N	141 14.325E	362		167	16.5	167	15.4	326	1.3	667.1
110522	500	+09:00	24 45.646N	141 14.597E	449		167	16.6	169	15.6	322	1.5	668.4
110522	505	+09:00	24 44.369N	141 14.868E	461		167	16.3	169	15.6	318	0.9	669.7
110522	510	+09:00	24 43.066N	141 15.157E	501		168	16.6	169	16.2	296	0.4	671
110522	515	+09:00	24 41.735N	141 15.458E	506		169	16.3	169	15.9	2	0.1	672.4
110522	520	+09:00	24 40.382N	141 15.754E	656		170	16.5	171	16.4	40	0.3	673.8
110522	525	+09:00	24 39.011N	141 16.032E	779		170	16.8	169	16.9	196	0.4	675.2
110522	530	+09:00	24 37.635N	141 16.300E	856		169	16.6	168	16.6	296	0.1	676.5
110522	535	+09:00	24 36.271N	141 16.556E	918		169	16.5	171	16.9	230	0.6	677.9
110522	540	+09:00	24 34.896N	141 16.818E	936		168	16.3	169	16.4	274	0.5	679.3
110522	545	+09:00	24 33.552N	141 17.079E	944		168	16.2	169	16.1	277	0.7	680.7
110522	550	+09:00	24 32.218N	141 17.336E	1002		168	16.5	170	16.3	263	0.8	682
110522	555	+09:00	24 30.891N	141 17.587E	1088		167	16.6	170	15.9	283	0.9	683.4
110522	600	+09:00	24 29.592N	141 17.851E	1112		166	16.2	168	15.4	303	0.9	684.7
110522	605	+09:00	24 28.292N	141 18.133E	1065		167	15.9	167	15.9	324	0.7	686
110522	610	+09:00	24 27.004N	141 18.422E	1044		167	16.8	169	15.4	329	1.3	687.3
110522	615	+09:00	24 25.749N	141 18.681E	1152		168	15.9	167	15.4	327	1.3	688.6
110522	620	+09:00	24 24.492N	141 18.907E	1197		168	16.3	170	15.4	314	1.2	689.9
110522	625	+09:00	24 23.227N	141 19.150E	1231		168	16.3	168	15.4	317	1.2	691.2
110522	630	+09:00	24 21.970N	141 19.395E	1238		167	16.5	171	15.2	314	1.3	692.4
110522	635	+09:00	24 20.710N	141 19.637E	1190		167	16.5	168	15.4	309	1.3	693.7
110522	640	+09:00	24 19.443N	141 19.897E	1146		165	16.5	169	15.2	305	1.4	695
110522	645	+09:00	24 18.176N	141 20.186E	1034		166	16.2	171	15.3	276	1	696.3
110522	650	+09:00	24 16.895N	141 20.476E	1072		165	16.8	170	15.9	267	1	697.6
110522	655	+09:00	24 15.588N	141 20.786E	1182		164	16.6	166	16.3	279	0.7	699
110522	700	+09:00	24 14.274N	141 21.116E	1206		167	16.3	167	15.9	307	0.6	700.3
110522	705	+09:00	24 12.977N	141 21.380E	1193		167	16.5	171	15.6	303	1.2	701.6
110522	710	+09:00	24 11.692N	141 21.632E	1175		168	16.8	169	16	288	1	702.9
110522	715	+09:00	24 10.386N	141 21.875E	1221		167	16.6	173	15.9	283	1.1	704.2
110522	720	+09:00	24 09.079N	141 22.129E	1186		165	16.6	168	15.7	292	1.1	705.6
110522	725	+09:00	24 07.787N	141 22.412E	1222		166	16.3	167	15.8	295	1.1	706.9
110522	730	+09:00	24 06.496N	141 22.703E	1256		165	16.5	168	15.5	296	1.1	708.2
110522	735	+09:00	24 05.220N	141 22.963E	1238		167	16.5	171	15.4	304	1.3	709.2
110522	740	+09:00	24 03.942N	141 23.219E	1190		167	16.3	167	15.6	312	1.2	710.5
110522	745	+09:00	24 02.665N	141 23.478E	1259		167	16.3	167	15.6	306	1.1	711.8
110522	750	+09:00	24 01.385N	141 23.739E	1439		166	16.6	172	15.5	313	1.2	713.1
110522	755	+09:00	24 00.118N	141 24.001E	1440		166	16.2	168	15.4	309	1	714.4
110522	755	+09:00	24 00.109N	141 24.003E	1436		166	16.5	168	15.8	305	0.9	714.7
110522	800	+09:00	23 58.857N	141 24.338E	1947		164	16.2	165	15.5	310	1.1	715.7
110522	805	+09:00	23 57.580N	141 24.687E	1654		164	16.5	164	15.8	279	0.6	717
110522	810	+09:00	23 56.325N	141 25.046E	0		165	16.3	166	15.6	323	0.8	718.3
110522	815	+09:00	23 55.064N	141 25.403E	0		164	16.2	165	15.5	318	0.8	719.6
110522	820	+09:00	23 53.797N	141 25.759E	0		163	16.2	166	16	304	0.7	720.9
110522	825	+09:00	23 52.550N	141 26.113E	1586		164	16.1	165	15.5	329	0.9	722.2
110522	830	+09:00	23 51.287N	141 26.482E	1491		164	16.5	164	16.1	322	0.7	723.5
110522	835	+09:00	23 50.031N	141 26.934E	1364		160	16.6	160	15.6	342	0.5	724.8
110522	840	+09:00	23 48.767N	141 27.390E	1213		161	16.6	161	16	302	0.6	726.1
110522	845	+09:00	23 47.486N	141 27.824E	1164		162	16.6	162	16	288	0.6	727.5
110522	850	+09:00	23 46.218N	141 28.254E	1192		162	16.3	164	15.9	332	0.4	728.8
110522	855	+09:00	23 44.951N	141 28.668E	1240		162	16.6	164	15.7	322	0.5	730.1
110522	900	+09:00	23 43.684N	141 29.098E	1159		165	16.9	160	16.1	8	0.6	731.5
110522	905	+09:00	23 42.411N	141 29.546E	1172		164	16.6	162	16.2	43	0.7	732.8
110522	910	+09:00	23 41.121N	141 30.019E	1254		163	16.3	164	16.7	72	0.6	734.1
110522	915	+09:00	23 39.806N	141 30.497E	1275		163	16.3	160	16.6	91	0.5	735.5
110522	920	+09:00	23 38.494N	141 30.974E	1260		163	16.8	163	16.6	97	0.5	736.9
110522	925	+09:00	23 37.170N	141 31.441E	1245		164	16.5	162	16.4	108	0.7	738.3
110522	930	+09:00	23 35.830N	141 31.885E	1242		164	16.9	163	17.1	105	0.7	739.7
110522	935	+09:00	23 34.521N	141 32.329E	1242		167	16.1	163	16.3	77	1	741
110522	940	+09:00	23 33.221N	141 32.756E	1243		167	16.3	165	16.4	83	0.9	742.4
110522	945	+09:00	23 31.910N	141 33.182E	1229		167	16.6	161	16.2	61	1	743.8
110522	950	+09:00	23 30.621N	141 33.587E	1237		167	16.2	164	16.1	67	0.7	745.1
110522	955	+09:00	23 29.311N	141 33.998E	1223		167	16.3	166	16.5	93	0.8	746.5
110522	1000	+09:00	23 27.989N	141 34.417E	1034		168	16.5	162	16.7	80	1	747.8
110522	1005	+09:00	23 26.649N	141 34.851E	959		166	16.2	162	16.8	91	1.1	749.2
110522	1010	+09:00	23 25.308N	141 35.290E	1105		168	16.9	165	16.7	99	1.1	750.6
110522	1015	+09:00	23 23.981N	141 35.706E	1220		167	16.2	166	16.8	100	1	752
110522	1020	+09:00	23 22.646N	141 36.133E	1116		167	16.2	165	16.5	85	0.9	753.4

SUNRISE & TURNED OFF REGULATION LIGHTS

PASSED 1d & A/CO TO 164°

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110522	1025	+09:00	23 21.318N	141 36.548E	1213		167	16.5	165	16.2	104	0.9	754.8
110522	1030	+09:00	23 19.987N	141 36.960E	1233		166	16.2	165	16.4	98	0.9	756.1
110522	1035	+09:00	23 18.684N	141 37.378E	1190		167	16.1	163	16.4	75	0.9	757.5
110522	1040	+09:00	23 17.377N	141 37.795E	1188		167	16.3	164	16.2	59	0.9	758.9
110522	1045	+09:00	23 16.066N	141 38.198E	1184		166	16.5	165	16.5	82	0.6	760.2
110522	1050	+09:00	23 14.736N	141 38.611E	1284		166	16.3	165	16.4	96	0.8	761.6
110522	1055	+09:00	23 13.410N	141 39.033E	1158		166	16.2	163	16.5	89	0.7	763
110522	1100	+09:00	23 12.099N	141 39.436E	1620		166	16.5	164	16.6	96	0.5	764.4
110522	1105	+09:00	23 10.805N	141 39.833E	1546		166	16.5	165	16.3	43	0.5	765.7
110522	1110	+09:00	23 09.486N	141 40.247E	0		166	16.3	164	16.5	103	0.5	767.1
110522	1115	+09:00	23 08.146N	141 40.658E	1414		165	16.5	163	16.6	123	0.5	768.4
110522	1120	+09:00	23 06.817N	141 41.063E	1488		165	16.6	164	15.9	359	0.2	769.8
110522	1125	+09:00	23 05.503N	141 41.472E	990		164	16.3	164	16.7	121	0.2	771.2
110522	1130	+09:00	23 04.168N	141 41.875E	978		165	16.3	166	16.4	247	0.1	772.6
110522	1135	+09:00	23 02.849N	141 42.279E	1038		163	16.2	163	16.6	265	0.2	773.9
110522	1140	+09:00	23 01.536N	141 42.673E	986		164	16.2	166	16.4	260	0.3	775.3
110522	1145	+09:00	23 00.222N	141 43.069E	6		164	16.5	166	16.2	287	0.3	776.6
110522	1150	+09:00	22 58.926N	141 43.463E	1372		164	16.2	164	16.1	316	0.4	778
110522	1155	+09:00	22 57.637N	141 43.893E	1436		163	16.2	162	16.4	91	0.2	779.3
110522	1200	+09:00	22 56.334N	141 44.362E	1825		163	16.5	162	16.7	98	0.8	780.7
110522	1205	+09:00	22 55.010N	141 44.831E	1982		165	16.3	161	16.4	104	1	782.1
110522	1210	+09:00	22 53.725N	141 45.269E	2178		166	16.6	161	15.8	60	1	783.4
110522	1215	+09:00	22 52.459N	141 45.687E	2117		167	15.9	164	15.3	50	1.1	784.7
110522	1220	+09:00	22 51.186N	141 46.086E	2105		167	16.5	167	16.2	59	0.9	786.1
110522	1225	+09:00	22 49.922N	141 46.476E	1992		166	16.5	164	15.3	18	1.2	787.4
110522	1230	+09:00	22 48.706N	141 46.882E	1850		167	16.2	162	15.6	32	1.6	788.6
110522	1235	+09:00	22 47.475N	141 47.302E	1979		168	16.5	164	15.2	31	1.8	789.9
110522	1240	+09:00	22 46.281N	141 47.693E	2005		168	16.6	164	14.9	37	1.7	791.2
110522	1245	+09:00	22 45.081N	141 48.089E	2058		168	16.3	163	15	38	1.9	792.4
110522	1250	+09:00	22 43.870N	141 48.492E	2087		169	16.3	162	14.9	40	2	793.7
110522	1255	+09:00	22 42.660N	141 48.882E	2069		170	16.6	162	15.1	37	2	795
110522	1300	+09:00	22 41.458N	141 49.261E	6		169	16.8	165	14.8	33	2.1	796.2
110522	1305	+09:00	22 40.256N	141 49.636E	2263		168	16.1	161	15.2	38	1.9	797.5
110522	1310	+09:00	22 39.038N	141 50.034E	2297		169	16.6	164	15	39	2	798.7
110522	1315	+09:00	22 37.844N	141 50.421E	2290		170	16.2	162	14.8	35	2.2	800
110522	1320	+09:00	22 36.650N	141 50.794E	2232		169	16.1	163	14.6	37	2	801.2
110522	1325	+09:00	22 35.455N	141 51.153E	1879		169	16.2	164	14.8	28	2.1	802.4
110522	1330	+09:00	22 34.252N	141 51.516E	1801		168	16.5	163	15.3	27	2	803.7
110522	1335	+09:00	22 33.046N	141 51.886E	1811		168	16.3	162	15.1	30	1.7	804.9
110522	1340	+09:00	22 31.839N	141 52.263E	1704		168	15.9	164	15	34	1.7	806.2
110522	1345	+09:00	22 30.628N	141 52.643E	1639		168	16.6	165	15.3	35	1.6	807.4
110522	1350	+09:00	22 29.413N	141 53.018E	1547		168	16.6	166	15.3	28	1.5	808.7
110522	1355	+09:00	22 28.189N	141 53.377E	1384		167	16.2	164	15.2	16	1.4	810
110522	1400	+09:00	22 26.974N	141 53.741E	1249		166	16.6	162	15.2	11	1.7	811.2
110522	1405	+09:00	22 25.777N	141 54.112E	1335		166	16.5	163	14.9	13	1.7	812.5
110522	1410	+09:00	22 24.569N	141 54.507E	1198		167	16.5	160	15.3	21	1.8	813.7
110522	1415	+09:00	22 23.375N	141 54.901E	1211		167	16.3	162	15.2	28	2	815
110522	1420	+09:00	22 22.178N	141 55.291E	1190		168	16.3	164	15	25	1.8	816.2
110522	1425	+09:00	22 20.976N	141 55.656E	1148		168	16.3	166	14.9	20	1.8	817.5
110522	1430	+09:00	22 19.770N	141 56.030E	1171		168	16.5	165	15.2	26	1.7	818.7
110522	1435	+09:00	22 18.541N	141 56.411E	1192		168	16.3	169	15.2	27	1.4	820
110522	1440	+09:00	22 17.297N	141 56.803E	1216		168	16.1	164	15.5	29	1.4	821.3
110522	1445	+09:00	22 16.055N	141 57.186E	1171		167	16.5	164	15.5	35	1.3	822.6
110522	1450	+09:00	22 14.794N	141 57.575E	1268		167	16.6	164	15.9	39	1.1	823.9
110522	1455	+09:00	22 13.539N	141 57.974E	1397		168	16.6	164	15.6	40	1.3	825.2
110522	1500	+09:00	22 12.265N	141 58.361E	1493		167	16.6	162	16	43	0.8	826.5
110522	1505	+09:00	22 10.973N	141 58.753E	1449		166	16.6	164	16.2	36	0.8	827.9
110522	1510	+09:00	22 09.692N	141 59.147E	1431		166	16.8	163	15.8	22	0.7	829.2
110522	1515	+09:00	22 08.448N	141 59.513E	1489		165	16.8	167	15.4	350	1	830.5
110522	1520	+09:00	22 07.195N	141 59.885E	1591		164	16.3	165	15.7	345	0.7	831.8
110522	1525	+09:00	22 05.931N	142 00.259E	1677		164	16.5	166	15.2	331	0.9	833.1
110522	1530	+09:00	22 04.668N	142 00.643E	1732		164	16.6	166	16.2	327	0.6	834.4
110522	1535	+09:00	22 03.389N	142 01.033E	2153		163	16.5	165	15.8	319	0.5	835.8
110522	1540	+09:00	22 02.110N	142 01.418E	2238		164	16.6	163	16.2	314	0.5	837.1
110522	1545	+09:00	22 00.834N	142 01.808E	2249		164	16.5	163	15.9	325	0.4	838.4
110522	1550	+09:00	21 59.565N	142 02.202E	2303		164	16.3	165	15.8	337	0.6	839.7
110522	1555	+09:00	21 58.294N	142 02.594E	2343		164	16.3	163	15.7	320	0.6	841
110522	1600	+09:00	21 57.019N	142 02.972E	2358		164	16.6	164	16	319	0.5	842.4
110522	1605	+09:00	21 55.742N	142 03.364E	2259		164	16.2	162	15.8	316	0.4	843.7
110522	1610	+09:00	21 54.450N	142 03.748E	2183		164	16.2	167	15.9	304	0.6	845
110522	1615	+09:00	21 53.163N	142 04.114E	1871		164	16.9	165	15.5	310	0.7	846.4
110522	1620	+09:00	21 51.910N	142 04.482E	1738		164	16.5	164	15.6	325	0.9	847.7
110522	1625	+09:00	21 50.659N	142 04.858E	1688		163	15.9	165	15.8	326	0.7	849
110522	1630	+09:00	21 49.402N	142 05.237E	1370		164	16.2	164	15.4	320	0.6	850.3
110522	1635	+09:00	21 48.144N	142 05.614E	1098		164	16.2	165	15.4	327	0.7	851.5
110522	1640	+09:00	21 46.901N	142 05.985E	1314		163	16.6	164	15.6	326	0.9	852.8
110522	1645	+09:00	21 45.665N	142 06.369E	1532		163	16.6	164	15.6	331	0.7	854.1
110522	1650	+09:00	21 44.420N	142 06.766E	1584		163	16.3	162	15.3	339	1	855.4
110522	1655	+09:00	21 43.176N	142 07.159E	1591		163	16.3	164	15.7	343	0.7	856.7
110522	1700	+09:00	21 41.904N	142 07.554E	1502		164	16.2	165	16.2	328	0.5	858
110522	1705	+09:00	21 40.623N	142 07.955E	1232		164	16.6	165	16	326	0.6	859.4
110522	1710	+09:00	21 39.334N	142 08.353E	1292		163	16.2	165	16	320	0.4	860.7
110522	1715	+09:00	21 38.038N	142 08.736E	1830		163	16.8	165	16	296	0.6	862
110522	1720	+09:00	21 36.736N	142 09.117E	2212		164	16.8	166	16.5	279	0.4	863.4
110522	1725	+09:00	21 35.437N	142 09.509E	2085		163	16.5	164	16.3	308	0.5	864.7
110522	1730	+09:00	21 34.159N	142 09.915E	2215		163	16.5	162	15.8	340	0.8	866.1
110522	1732	+09:00	21 33.536N	142 10.132E	2261		161	16.6	161	15.9	342	0.9	866.6
110522	1735	+09:00	21 32.918N	142 10.353E	2332		163	16.5	161	15.5	346	1	867.4

ENTERD IN EEZ OF U.S.A.

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110522	1740	+09:00	21 31.697N	142 10.779E	2461		163	16.6	165	15.7	5	1.1	868.6
110522	1745	+09:00	21 30.452N	142 11.206E	2553		163	16.6	163	15.3	4	0.9	869.9
110522	1750	+09:00	21 29.207N	142 11.639E	2662		163	16.3	159	15.8	17	0.7	871.2
110522	1755	+09:00	21 27.953N	142 12.088E	2713		163	16.5	160	15.8	16	0.9	872.6
110522	1800	+09:00	21 26.699N	142 12.536E	2771		164	16.5	163	16	20	0.7	873.9
110522	1805	+09:00	21 25.436N	142 12.971E	2809		164	16.5	161	15.9	16	0.7	875.2
110522	1805	+09:00	21 25.431N	142 12.972E	2821		164	16.5	162	15.9	16	0.7	875.2
110522	1810	+09:00	21 24.171N	142 13.398E	2858		163	16.6	162	15.9	10	0.7	876.5
110522	1815	+09:00	21 22.905N	142 13.842E	2984		164	16.6	162	15.9	26	0.9	877.9
110522	1820	+09:00	21 21.632N	142 14.292E	3009		164	16.2	161	15.8	38	0.9	879.2
110522	1825	+09:00	21 20.362N	142 14.741E	3030		164	16.6	161	15.9	27	0.7	880.5
110522	1830	+09:00	21 19.101N	142 15.151E	3044		166	16.5	164	15.8	359	0.7	881.9
110522	1835	+09:00	21 17.838N	142 15.510E	3036		165	16.5	166	15.7	354	0.8	883.2
110522	1840	+09:00	21 16.566N	142 15.841E	3073		167	16.5	166	15.7	358	0.8	884.5
110522	1845	+09:00	21 15.298N	142 16.199E	3075		166	16.5	166	15.5	355	0.9	885.8
110522	1850	+09:00	21 14.029N	142 16.577E	3126		165	16.5	164	16.1	354	0.7	887.1
110522	1855	+09:00	21 12.742N	142 16.970E	3112		165	16.6	167	16.3	4	0.5	888.4
110522	1900	+09:00	21 11.452N	142 17.365E	3109		164	16.5	164	16	358	0.4	889.8
110522	1905	+09:00	21 10.162N	142 17.773E	3088		164	16.6	162	16.3	5	0.5	891.1
110522	1910	+09:00	21 08.872N	142 18.183E	3001		165	16.6	162	16.1	18	0.4	892.4
110522	1915	+09:00	21 07.579N	142 18.582E	2999		164	16.6	164	15.7	5	0.6	893.8
110522	1920	+09:00	21 06.297N	142 18.988E	2935		165	16.6	166	16	20	0.3	895.1
110522	1925	+09:00	21 05.009N	142 19.380E	2967		165	16.6	164	15.8	350	0.8	896.4
110522	1930	+09:00	21 03.732N	142 19.766E	2906		164	16.5	167	16	336	0.1	897.8
110522	1935	+09:00	21 02.457N	142 20.156E	2793		164	16.8	166	16	342	0.5	899.1
110522	1940	+09:00	21 01.182N	142 20.544E	2857		163	16.6	163	15.9	327	0.9	900.4
110522	1945	+09:00	20 59.923N	142 20.913E	2982		164	16.5	163	15.6	321	1	901.7
110522	1950	+09:00	20 58.665N	142 21.261E	2811		164	16.5	166	15.6	316	1.2	903
110522	1955	+09:00	20 57.405N	142 21.604E	2623		163	16.8	167	15.6	309	1.1	904.3
110522	2000	+09:00	20 56.133N	142 21.953E	2774		164	16.6	166	15.8	317	1.1	905.6
110522	2005	+09:00	20 54.864N	142 22.305E	2736		164	15.9	165	15.5	314	1.1	906.9
110522	2010	+09:00	20 53.604N	142 22.657E	2517		163	16.6	163	15.4	313	1.1	908.2
110522	2015	+09:00	20 52.347N	142 23.018E	1801		161	16.6	165	15.5	293	1	909.5
110522	2020	+09:00	20 51.094N	142 23.389E	1956		160	16.8	162	15.4	303	1.7	910.8
110522	2025	+09:00	20 49.844N	142 23.767E	2091		160	16.8	164	15.7	304	1.6	912.1
110522	2030	+09:00	20 48.595N	142 24.147E	2137		160	16.8	163	15.8	296	1.5	913.4
110522	2035	+09:00	20 47.337N	142 24.538E	2216		161	16.8	163	15.8	291	1.2	914.7
110522	2040	+09:00	20 46.081N	142 24.931E	2367		160	16.8	162	15.6	298	1.1	916
110522	2045	+09:00	20 44.835N	142 25.331E	2233		160	16.6	163	15.7	303	1.3	917.3
110522	2050	+09:00	20 43.594N	142 25.723E	2328		160	16.5	163	15.4	305	1.4	918.6
110522	2055	+09:00	20 42.363N	142 26.106E	2352		161	16.6	166	15.2	302	1.4	919.9
110522	2100	+09:00	20 41.132N	142 26.482E	2321		160	16.5	165	15.5	306	1.7	921.2
110522	2105	+09:00	20 39.892N	142 26.859E	2379		160	16.6	163	15.7	295	1.5	922.4
110522	2110	+09:00	20 38.633N	142 27.248E	2463		160	16.6	164	15.7	284	1.2	923.8
110522	2115	+09:00	20 37.397N	142 27.638E	2298		160	16.8	163	15.3	304	1.6	925.1
110522	2120	+09:00	20 36.162N	142 28.020E	2284		160	16.2	161	15.5	305	1.7	926.3
110522	2125	+09:00	20 34.930N	142 28.405E	2359		160	16.8	164	15.5	301	1.5	927.6
110522	2130	+09:00	20 33.677N	142 28.807E	2300		160	16.6	162	15.8	298	1.3	928.9
110522	2135	+09:00	20 32.436N	142 29.202E	2304		161	16.9	164	15.4	304	1.4	930.2
110522	2140	+09:00	20 31.196N	142 29.583E	2252		160	16.6	163	15.2	306	1.7	931.5
110522	2145	+09:00	20 29.959N	142 29.958E	2105		160	16.6	164	15.3	303	1.7	932.8
110522	2150	+09:00	20 28.737N	142 30.329E	1894		160	16.5	164	15.3	304	1.7	934
110522	2155	+09:00	20 27.498N	142 30.709E	1682		160	16.8	163	15.4	299	1.7	935.3
110522	2200	+09:00	20 26.258N	142 31.088E	1632		160	16.9	165	15.6	292	1.7	936.6
110522	2205	+09:00	20 25.007N	142 31.475E	1656		159	16.6	163	15.6	289	1.4	937.9
110522	2210	+09:00	20 23.754N	142 31.877E	1616		159	16.6	162	15.4	298	1.5	939.2
110522	2215	+09:00	20 22.513N	142 32.264E	1632		160	16.6	160	15.5	299	1.7	940.5
110522	2220	+09:00	20 21.287N	142 32.648E	1589		159	16.3	162	15.3	305	1.7	941.8
110522	2225	+09:00	20 20.072N	142 33.042E	1755		160	16.5	165	15.2	310	1.6	943.1
110522	2230	+09:00	20 18.845N	142 33.434E	1638		160	16.6	164	15.5	301	1.2	944.3
110522	2235	+09:00	20 17.613N	142 33.837E	1642		161	16.5	162	15.9	313	1.2	945.6
110522	2240	+09:00	20 16.344N	142 34.246E	1956		161	16.3	166	15.6	311	0.8	947
110522	2245	+09:00	20 15.083N	142 34.649E	2003		162	16.5	165	15.9	318	0.9	948.3
110522	2250	+09:00	20 13.811N	142 35.039E	1893		162	16.6	164	15.8	302	0.9	949.6
110522	2255	+09:00	20 12.530N	142 35.433E	2006		162	16.8	164	15.8	300	1	950.9
110522	2300	+09:00	20 11.250N	142 35.815E	2008		162	16.9	163	16.1	293	1.1	952.3
110522	2305	+09:00	20 09.963N	142 36.207E	2374		161	16.9	163	15.9	286	1.1	953.6
110522	2310	+09:00	20 08.683N	142 36.607E	2627		161	16.6	165	15.8	303	1.2	954.9
110522	2315	+09:00	20 07.442N	142 36.998E	2565		161	16.8	164	15.5	303	1.3	955.9
110522	2320	+09:00	20 06.197N	142 37.375E	2626		161	16.5	165	15.6	304	1.6	957.2
110522	2325	+09:00	20 04.949N	142 37.760E	2682		161	16.9	163	15.1	306	1.5	958.5
110522	2330	+09:00	20 03.706N	142 38.156E	2658		161	16.8	163	15.5	304	1.1	959.8
110522	2335	+09:00	20 02.439N	142 38.574E	2486		161	16.8	163	15.8	319	1	961.2
110522	2340	+09:00	20 01.171N	142 38.993E	2521		162	16.6	161	15.9	319	0.3	962.5
110522	2345	+09:00	19 59.926N	142 39.417E	2399		163	16.5	165	15.7	359	1.2	963.8
110522	2350	+09:00	19 58.685N	142 39.855E	2413		163	16.6	162	15.6	25	0.8	965.1
110522	2355	+09:00	19 57.423N	142 40.310E	2453		162	16.3	160	16	49	1	966.4
110523	0	+09:00	19 56.177N	142 40.774E	2380		163	16.6	159	16.1	38	0.9	967.7
110523	5	+09:00	19 54.911N	142 41.238E	2407		164	16.6	164	15.8	42	0.8	969.1
110523	10	+09:00	19 53.623N	142 41.660E	2491		165	16.5	163	16.1	49	0.6	970.4
110523	15	+09:00	19 52.345N	142 42.069E	2429		166	17.1	162	16.1	29	0.8	971.8
110523	20	+09:00	19 51.076N	142 42.462E	2376		166	16.3	165	15.5	11	1.1	973.1
110523	25	+09:00	19 49.803N	142 42.835E	2366		165	16.5	164	15.7	0	0.6	974.4
110523	30	+09:00	19 48.527N	142 43.212E	2399		165	16.8	167	15.8	341	0.6	975.7
110523	35	+09:00	19 47.239N	142 43.596E	2313		164	16.6	163	16.2	350	0.5	977
110523	40	+09:00	19 45.947N	142 43.981E	2411		164	16.8	164	16.2	331	0.6	978.4
110523	45	+09:00	19 44.660N	142 44.376E	1995		163	16.5	162	16.2	333	0.6	979.7
110523	50	+09:00	19 43.354N	142 44.775E	5		164	16.5	164	16.2	334	0.2	981.1

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110523	55	+09:00	19 42.072N	142 45.149E	5		164	16.6	164	15.9	319	0.7	982.4
110523	100	+09:00	19 40.794N	142 45.536E	1861		164	16.6	163	15.5	344	0.2	983.7
110523	105	+09:00	19 39.526N	142 45.923E	2139		164	16.3	166	15.7	335	0.6	985
110523	110	+09:00	19 38.245N	142 46.319E	2209		163	16.8	163	16.2	351	0.6	986.3
110523	115	+09:00	19 36.983N	142 46.735E	2265		163	16.8	162	16.1	357	0.7	987.7
110523	120	+09:00	19 35.719N	142 47.150E	2317		163	16.8	162	15.6	357	0.8	989
110523	125	+09:00	19 34.454N	142 47.547E	2355		164	16.6	165	15.8	354	0.6	990.3
110523	130	+09:00	19 33.185N	142 47.941E	2330		164	16.6	165	15.7	3	0.5	991.6
110523	135	+09:00	19 31.914N	142 48.311E	2320		164	16.6	164	16	318	0.8	992.9
110523	140	+09:00	19 30.641N	142 48.677E	2318		164	16.5	166	15.8	318	1	994.3
110523	145	+09:00	19 29.355N	142 49.043E	2243		164	16.5	165	16.1	292	0.6	995.6
110523	150	+09:00	19 28.066N	142 49.405E	2243		164	16.3	164	16	320	1	996.9
110523	155	+09:00	19 26.793N	142 49.769E	2290		164	16.3	167	15.3	317	0.9	998.2
110523	200	+09:00	19 25.522N	142 50.128E	2290		163	16.6	167	16	316	0.8	999.5
110523	205	+09:00	19 24.245N	142 50.495E	2226		163	16.5	167	15.7	319	0.9	1001
110523	210	+09:00	19 22.992N	142 50.858E	2178		164	16.5	164	15.3	327	1.1	1002
110523	215	+09:00	19 21.750N	142 51.230E	2166		162	16.1	164	14.9	334	1.4	1004
110523	220	+09:00	19 20.520N	142 51.624E	2194		163	16.6	160	15.5	356	1	1005
110523	225	+09:00	19 19.299N	142 52.006E	2280		164	16.6	163	15.4	345	1.1	1006
110523	230	+09:00	19 18.067N	142 52.386E	2224		164	16.6	164	15.4	336	1.4	1007
110523	235	+09:00	19 16.832N	142 52.765E	2414		163	16.5	165	15.3	339	1.6	1009
110523	240	+09:00	19 15.591N	142 53.143E	2417		163	16.6	164	15.6	333	1.1	1010
110523	245	+09:00	19 14.347N	142 53.524E	2468		163	16.6	164	15.3	333	1.4	1011
110523	250	+09:00	19 13.112N	142 53.895E	2427		163	16.6	166	15.4	328	1.2	1013
110523	255	+09:00	19 11.879N	142 54.262E	2135		163	16.8	165	15.6	325	1.2	1014
110523	300	+09:00	19 10.641N	142 54.643E	2003		162	16.5	163	15.7	318	0.8	1015
110523	305	+09:00	19 09.391N	142 55.029E	1851		163	16.8	166	15.4	320	1.1	1016
110523	310	+09:00	19 08.150N	142 55.406E	1739		162	16.5	164	15.5	315	1.2	1018
110523	315	+09:00	19 06.896N	142 55.787E	1576		162	16.3	164	15.7	297	1.1	1019
110523	320	+09:00	19 05.645N	142 56.179E	1379		162	16.5	163	15.2	323	1.1	1020
110523	325	+09:00	19 04.385N	142 56.569E	1530		162	16.6	163	15.6	319	0.9	1022
110523	330	+09:00	19 03.120N	142 56.963E	1611		162	16.6	166	16	310	0.8	1023
110523	335	+09:00	19 01.869N	142 57.361E	1830		162	16.6	162	15.5	336	1.1	1024
110523	340	+09:00	19 00.628N	142 57.767E	1994		163	16.6	165	15.5	345	0.9	1025
110523	345	+09:00	18 59.404N	142 58.181E	2236		163	16.3	160	15.1	10	1	1027
110523	350	+09:00	18 58.185N	142 58.612E	2263		164	16.9	161	15.5	8	1.3	1028
110523	355	+09:00	18 56.953N	142 59.045E	2274		163	16.3	162	15.9	10	0.9	1029
110523	400	+09:00	18 55.721N	142 59.486E	2141		163	16.3	159	15.3	4	1.2	1031
110523	405	+09:00	18 54.490N	142 59.904E	2046		164	16.3	164	15.3	355	1	1032
110523	410	+09:00	18 53.260N	143 00.301E	2151		165	16.8	165	15.5	353	1.3	1033
110523	415	+09:00	18 52.037N	143 00.689E	1921		165	16.8	164	15	357	1.3	1034
110523	420	+09:00	18 50.815N	143 01.062E	1936		164	16.6	165	15.5	0	1.3	1036
110523	425	+09:00	18 49.584N	143 01.447E	1847		165	16.3	165	15.5	2	1.2	1037
110523	430	+09:00	18 48.332N	143 01.829E	1764		165	16.8	164	15.3	357	0.8	1038
110523	435	+09:00	18 47.111N	143 02.210E	1744		165	16.6	164	15.5	358	1.3	1040
110523	440	+09:00	18 45.874N	143 02.596E	2366		165	16.6	163	15.4	16	0.8	1041
110523	445	+09:00	18 44.637N	143 02.993E	2228		166	16.5	167	15.6	18	1.3	1042
110523	450	+09:00	18 43.382N	143 03.388E	2230		165	16.6	165	15.7	16	1	1043
110523	451	+09:00	18 43.097N	143 03.476E	2243		165	16.9	164	15.8	28	0.8	1044
110523	455	+09:00	18 42.124N	143 03.779E	2371		166	16.5	164	15.8	21	1	1045
110523	500	+09:00	18 40.872N	143 04.146E	2469		165	16.5	163	15.4	358	1	1046
110523	505	+09:00	18 39.619N	143 04.521E	2528		164	16.3	162	15.5	357	0.7	1047
110523	510	+09:00	18 38.379N	143 04.899E	2380		165	16.5	165	15.3	0	1	1049
110523	515	+09:00	18 37.128N	143 05.270E	2311		165	16.6	164	15.3	354	1	1050
110523	520	+09:00	18 35.874N	143 05.652E	2203		165	16.8	164	15.7	352	0.8	1051
110523	525	+09:00	18 34.617N	143 06.025E	2081		164	16.9	161	15.8	345	0.7	1053
110523	530	+09:00	18 33.382N	143 06.413E	2058		164	16.5	164	15.5	351	1.1	1054
110523	535	+09:00	18 32.171N	143 06.790E	2014		164	16.2	165	15	354	1.3	1055
110523	540	+09:00	18 30.963N	143 07.170E	2101		164	16.3	163	14.9	357	1.2	1056
110523	545	+09:00	18 29.747N	143 07.554E	1959		164	16.5	162	15.2	9	1.1	1058
110523	550	+09:00	18 28.518N	143 07.938E	1841		164	16.2	164	15.3	351	1.1	1059
110523	555	+09:00	18 27.282N	143 08.311E	1738		164	16.5	163	15.4	351	1	1060
110523	600	+09:00	18 26.047N	143 08.666E	1560		165	16.2	166	15.2	334	0.9	1061
110523	605	+09:00	18 24.823N	143 09.012E	1814		164	16.3	164	15.1	336	1.5	1063
110523	610	+09:00	18 23.618N	143 09.356E	1789		162	16.3	164	15	339	1.6	1064
110523	615	+09:00	18 22.441N	143 09.764E	1816		161	16.6	163	14.8	347	1.5	1065
110523	620	+09:00	18 21.261N	143 10.176E	1782		162	16.8	162	14.9	349	1.4	1066
110523	625	+09:00	18 20.078N	143 10.595E	1780		162	16.3	161	14.6	346	1.5	1068
110523	630	+09:00	18 18.901N	143 10.961E	1714		165	16.8	165	14.7	346	1.6	1069
110523	635	+09:00	18 17.717N	143 11.317E	1820		164	16.8	163	14.4	346	1.6	1070
110523	640	+09:00	18 16.529N	143 11.645E	2206		165	16.8	166	14.8	341	1.8	1071
110523	645	+09:00	18 15.350N	143 11.972E	2240		165	16.5	165	14.6	345	1.8	1073
110523	650	+09:00	18 14.173N	143 12.303E	2431		164	16.3	165	14.9	342	1.8	1074
110523	655	+09:00	18 12.988N	143 12.627E	2499		165	16.5	166	14.5	338	2	1075
110523	700	+09:00	18 11.816N	143 12.969E	2437		163	16.5	166	14.7	338	1.6	1076
110523	705	+09:00	18 10.628N	143 13.324E	2391		163	16.3	162	14.8	338	1.7	1077
110523	710	+09:00	18 09.443N	143 13.680E	2311		163	16.3	164	14.9	340	1.7	1079
110523	715	+09:00	18 08.253N	143 14.050E	2425		164	16.6	164	14.9	340	1.2	1080
110523	720	+09:00	18 07.054N	143 14.411E	2471		163	16.1	164	15.1	337	1.3	1081
110523	725	+09:00	18 05.853N	143 14.791E	2462		164	16.5	163	14.9	344	1.3	1082
110523	728	+09:00	18 05.027N	143 15.053E	2423		163	16.5	161	15	343	1.2	1083
110523	730	+09:00	18 04.633N	143 15.147E	2399		169	16.3	169	15	345	1	1084
110523	735	+09:00	18 03.392N	143 15.391E	2338		169	16.5	172	15.1	339	1.1	1085
110523	740	+09:00	18 02.152N	143 15.672E	2207		167	16.5	167	15.4	344	1.2	1086
110523	745	+09:00	18 00.918N	143 15.947E	2109		168	16.3	167	15	337	1.3	1087
110523	750	+09:00	17 59.701N	143 16.217E	2037		168	16.6	170	15.1	343	1.3	1089
110523	755	+09:00	17 58.473N	143 16.488E	1956		168	16.6	168	14.7	342	1.3	1090
110523	800	+09:00	17 57.251N	143 16.760E	1894		167	16.2	168	14.9	344	1.5	1091

SUNRISE & TURNED OFF REGULATION LIGHTS

A/CO TO 168°

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110523	805	+09:00	17 56.027N	143 17.039E	1761		167	16.3	169	14.7	343	1.4	1092
110523	810	+09:00	17 54.797N	143 17.318E	1744		167	16.3	170	15.1	337	1.3	1094
110523	815	+09:00	17 53.566N	143 17.595E	1739		168	16.3	169	14.6	340	1.4	1095
110523	820	+09:00	17 52.349N	143 17.868E	1655		167	16.2	168	14.4	344	1.6	1096
110523	825	+09:00	17 51.139N	143 18.137E	1651		167	16.5	167	14.8	342	1.7	1097
110523	830	+09:00	17 49.926N	143 18.405E	1742		168	16.2	168	14.6	339	1.6	1099
110523	835	+09:00	17 48.723N	143 18.664E	1719		167	16.2	168	14.5	335	1.7	1100
110523	840	+09:00	17 47.528N	143 18.933E	1440		167	16.5	169	14.9	342	1.7	1101
110523	845	+09:00	17 46.333N	143 19.201E	1624		166	16.2	168	14.4	341	1.7	1102
110523	850	+09:00	17 45.124N	143 19.479E	5		167	16.2	168	14.7	340	1.2	1103
110523	855	+09:00	17 43.910N	143 19.759E	6		167	16.2	166	15	342	1.5	1105
110523	900	+09:00	17 42.692N	143 20.037E	3219		166	16.5	170	14.5	340	1.6	1106
110523	905	+09:00	17 41.486N	143 20.318E	3319		167	16.2	170	14.8	340	1.5	1107
110523	910	+09:00	17 40.282N	143 20.603E	3348		167	16.3	171	14.6	341	1.7	1108
110523	915	+09:00	17 39.083N	143 20.880E	3224		167	16.5	170	15.2	342	1.6	1110
110523	920	+09:00	17 37.880N	143 21.167E	3143		167	16.2	168	14.7	344	1.4	1111
110523	925	+09:00	17 36.657N	143 21.453E	3101		167	16.3	171	15.1	342	1.2	1112
110523	930	+09:00	17 35.435N	143 21.735E	3114		168	16.6	169	14.8	345	1.3	1113
110523	935	+09:00	17 34.213N	143 22.019E	3088		168	16.3	168	15.1	350	1.2	1115
110523	940	+09:00	17 32.984N	143 22.305E	3188		168	16.2	163	14.9	343	1.3	1116
110523	945	+09:00	17 31.765N	143 22.587E	3294		167	16.2	171	14.9	344	1.5	1117
110523	950	+09:00	17 30.545N	143 22.865E	3456		166	16.3	167	14.8	336	1.3	1118
110523	955	+09:00	17 29.316N	143 23.139E	3582		167	16.2	169	14.6	338	1.4	1120
110523	1000	+09:00	17 28.108N	143 23.416E	3500		167	16.2	164	15.1	338	1.4	1121
110523	1005	+09:00	17 26.893N	143 23.706E	3522		167	16.3	168	14.9	347	1.2	1122
110523	1010	+09:00	17 25.668N	143 23.994E	3627		167	16.3	166	15.5	346	1.4	1123
110523	1015	+09:00	17 24.457N	143 24.286E	3684		166	16.3	167	14.3	348	1.4	1125
110523	1020	+09:00	17 23.252N	143 24.573E	3820		167	16.1	165	14.7	348	1.3	1126
110523	1025	+09:00	17 22.040N	143 24.858E	3882		167	16.2	168	15	348	1.5	1127
110523	1030	+09:00	17 20.826N	143 25.149E	3888		167	16.3	168	15	351	1.4	1128
110523	1035	+09:00	17 19.619N	143 25.444E	3849		168	16.5	169	15.1	350	1.4	1129
110523	1040	+09:00	17 18.407N	143 25.723E	3837		167	16.5	170	14.5	342	1.5	1131
110523	1045	+09:00	17 17.195N	143 25.998E	3679		167	16.2	169	15	341	1.5	1132
110523	1050	+09:00	17 15.979N	143 26.276E	6		167	16.5	170	15.1	340	1.4	1133
110523	1055	+09:00	17 14.754N	143 26.547E	2951		167	16.5	170	15.1	338	1.2	1134
110523	1100	+09:00	17 13.525N	143 26.825E	2413		167	16.1	167	15.6	337	1.2	1136
110523	1105	+09:00	17 12.295N	143 27.098E	2383		168	16.3	168	15	341	1.2	1137
110523	1110	+09:00	17 11.057N	143 27.368E	2552		167	16.1	168	15	327	1.1	1138
110523	1115	+09:00	17 09.819N	143 27.629E	2574		168	16.2	168	15	327	1.2	1139
110523	1120	+09:00	17 08.577N	143 27.894E	2661		167	16.2	170	14.8	321	0.9	1141
110523	1125	+09:00	17 07.340N	143 28.170E	2663		166	16.2	166	14.9	324	1.1	1142
110523	1130	+09:00	17 06.101N	143 28.447E	2643		166	16.3	166	15.2	323	1	1143
110523	1135	+09:00	17 04.853N	143 28.732E	2676		166	16.1	170	15.4	326	1.1	1145
110523	1140	+09:00	17 03.608N	143 29.018E	2644		166	16.3	167	15.7	322	1	1146
110523	1145	+09:00	17 02.365N	143 29.303E	2654		166	16.3	167	15.1	323	0.9	1147
110523	1150	+09:00	17 01.123N	143 29.587E	2582		166	15.9	166	14.5	327	1.1	1148
110523	1150	+09:00	17 01.000N	143 29.617E	2588		168	15.9	168	15.3	325	1	1148 A/CO TO 180°
110523	1154	+09:00	16 59.972N	143 29.599E	2698		179	16.2	183	15.1	330	1.1	1149 ENTERED IN 143-30 LINE
110523	1155	+09:00	16 59.844N	143 29.599E	2699		178	16.2	180	15.6	329	0.9	1150
110523	1200	+09:00	16 58.561N	143 29.615E	2836		176	16.2	178	15.1	329	1	1151
110523	1205	+09:00	16 57.276N	143 29.669E	3017		176	16.1	177	15.8	322	0.9	1152
110523	1210	+09:00	16 55.991N	143 29.714E	3061		176	16.2	177	15.5	319	1	1153
110523	1215	+09:00	16 54.690N	143 29.752E	2989		176	15.8	174	15.8	313	0.9	1155
110523	1220	+09:00	16 53.394N	143 29.790E	3113		177	16.2	179	15.7	318	0.9	1156
110523	1225	+09:00	16 52.100N	143 29.834E	3004		176	16.3	176	15.4	303	0.9	1157
110523	1230	+09:00	16 50.793N	143 29.865E	3148		178	16.3	181	15.6	305	0.7	1159
110523	1235	+09:00	16 49.485N	143 29.871E	3143		178	16.2	181	15.4	316	0.8	1160
110523	1240	+09:00	16 48.174N	143 29.868E	3071		178	16.2	178	16.2	304	0.7	1161
110523	1245	+09:00	16 46.859N	143 29.858E	3025		177	16.2	180	15.9	306	0.7	1163
110523	1250	+09:00	16 45.562N	143 29.855E	2971		177	16.1	182	16	306	0.9	1164
110523	1255	+09:00	16 44.256N	143 29.859E	2979		179	16.3	180	15.8	322	0.9	1165
110523	1300	+09:00	16 42.942N	143 29.859E	2903		178	16.1	181	15.8	311	0.8	1166
110523	1305	+09:00	16 41.633N	143 29.855E	2760		178	16.3	183	15.2	311	0.7	1168
110523	1310	+09:00	16 40.327N	143 29.855E	2798		178	15.9	179	15.5	314	0.8	1169
110523	1315	+09:00	16 39.028N	143 29.847E	2802		178	15.9	178	14.9	289	0.8	1170
110523	1320	+09:00	16 37.736N	143 29.833E	2723		178	16.1	179	15.7	301	1	1172
110523	1325	+09:00	16 36.430N	143 29.814E	2549		178	16.3	182	15	310	1.1	1173
110523	1330	+09:00	16 35.128N	143 29.804E	2767		178	16.2	184	15.7	313	0.9	1174
110523	1335	+09:00	16 33.837N	143 29.790E	3381		179	16.1	181	15.7	318	1	1176
110523	1340	+09:00	16 32.554N	143 29.785E	3543		176	16.5	178	15.4	316	1.1	1177
110523	1345	+09:00	16 31.261N	143 29.797E	3562		177	16.2	180	15.5	316	1	1178
110523	1350	+09:00	16 29.983N	143 29.807E	3562		177	16.2	178	15.7	312	1	1179
110523	1355	+09:00	16 28.696N	143 29.816E	3372		177	16.1	180	15	311	1	1181
110523	1400	+09:00	16 27.403N	143 29.824E	3246		176	16.1	180	15.5	314	1.2	1182
110523	1405	+09:00	16 26.117N	143 29.829E	3178		177	16.6	180	15.2	312	1.1	1183
110523	1410	+09:00	16 24.823N	143 29.835E	3101		176	16.2	180	15	315	1	1185
110523	1415	+09:00	16 23.532N	143 29.849E	3186		176	16.5	178	15.7	322	1	1186
110523	1420	+09:00	16 22.248N	143 29.877E	3276		177	16.3	180	15.7	323	0.9	1187
110523	1425	+09:00	16 20.962N	143 29.907E	3146		176	16.2	176	15.1	318	0.8	1188
110523	1430	+09:00	16 19.663N	143 29.936E	3048		176	16.2	176	15.9	315	0.9	1190
110523	1435	+09:00	16 18.368N	143 29.970E	2861		176	16.3	179	15.4	317	0.9	1191
110523	1440	+09:00	16 17.060N	143 29.994E	2876		176	16.1	177	15.2	312	0.8	1192
110523	1445	+09:00	16 15.760N	143 30.016E	2883		177	16.6	179	15.3	318	1.1	1194
110523	1450	+09:00	16 14.465N	143 30.028E	2781		177	16.2	176	15.3	311	1.1	1195
110523	1455	+09:00	16 13.170N	143 30.031E	2473		177	16.1	180	15.7	313	1.2	1196
110523	1500	+09:00	16 11.862N	143 30.036E	2564		176	15.9	179	15.8	313	1.1	1198
110523	1505	+09:00	16 10.545N	143 30.040E	2922		178	16.2	182	16	288	0.8	1199
110523	1510	+09:00	16 09.225N	143 30.044E	3147		177	16.5	181	15.9	300	1	1200



Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT	
110523	1515	+09:00	16 07.913N	143 30.041E	3464		177	16.2	181	15.8	288	1	1201	
110523	1520	+09:00	16 06.598N	143 30.037E	3603		177	16.6	181	15.7	299	1.1	1203	
110523	1525	+09:00	16 05.292N	143 30.039E	3781		177	16.3	181	15.8	305	1.1	1204	
110523	1530	+09:00	16 03.992N	143 30.032E	3813		177	16.2	183	15.3	309	1.2	1205	
110523	1535	+09:00	16 02.692N	143 30.024E	3927		177	16.3	181	15.5	304	1.2	1207	
110523	1540	+09:00	16 01.397N	143 30.004E	3856		177	16.5	179	15.8	309	1.4	1208	
110523	1545	+09:00	16 00.097N	143 29.995E	3824		177	16.2	179	15.8	305	1.1	1209	
110523	1550	+09:00	15 58.796N	143 29.997E	3838		177	16.2	182	15.2	315	1.2	1210	
110523	1555	+09:00	15 57.514N	143 30.004E	4055		177	16.6	181	15.5	318	1.2	1212	
110523	1600	+09:00	15 56.221N	143 30.012E	4207		176	16.2	181	15.4	324	1.2	1213	
110523	1605	+09:00	15 54.934N	143 30.030E	4324		177	16.5	182	15.2	314	1.1	1214	
110523	1610	+09:00	15 53.633N	143 30.029E	4461		178	16.6	179	15.7	301	0.9	1215	
110523	1615	+09:00	15 52.323N	143 30.040E	4460		177	16.2	184	15.4	310	0.9	1217	
110523	1620	+09:00	15 51.016N	143 30.046E	4430		178	16.6	181	16	301	1	1218	
110523	1625	+09:00	15 49.714N	143 30.046E	4225		177	15.9	176	15.3	306	1.2	1219	
110523	1630	+09:00	15 48.422N	143 30.035E	4059		177	16.5	180	15.1	310	1.3	1221	
110523	1635	+09:00	15 47.141N	143 30.030E	3844		177	16.5	182	15.7	320	1.3	1222	
110523	1640	+09:00	15 45.855N	143 30.033E	3686		178	16.1	180	15.3	315	1.1	1223	
110523	1645	+09:00	15 44.571N	143 30.041E	3730		176	16.2	179	15.4	318	1.3	1224	
110523	1650	+09:00	15 43.298N	143 30.044E	3777		176	16.5	178	16.1	312	1.2	1226	
110523	1655	+09:00	15 42.025N	143 30.047E	3467		177	16.1	180	15.3	315	1.3	1227	
110523	1700	+09:00	15 40.745N	143 30.043E	3306		177	16.3	186	15.6	317	1.2	1228	
110523	1705	+09:00	15 39.460N	143 30.045E	3264		178	16.3	183	15.4	306	1	1230	
110523	1710	+09:00	15 38.185N	143 30.045E	3330		177	16.3	182	14.9	326	1.4	1231	
110523	1715	+09:00	15 36.919N	143 30.045E	3118		177	16.5	177	15	327	1.3	1232	
110523	1720	+09:00	15 35.656N	143 30.060E	3214		177	16.5	179	15.2	329	1	1233	
110523	1725	+09:00	15 34.400N	143 30.094E	3672		177	16.2	182	15.1	344	1.3	1235	
110523	1730	+09:00	15 33.156N	143 30.099E	3837		179	16.5	181	14.5	350	1.6	1236	
110523	1735	+09:00	15 31.913N	143 30.097E	3792		182	16.6	186	14.7	351	1.5	1237	
110523	1740	+09:00	15 30.676N	143 30.054E	3917		181	16.6	182	14.9	354	1.3	1238	
110523	1745	+09:00	15 29.442N	143 30.034E	4114		180	16.2	181	14.7	354	1.5	1240	
110523	1750	+09:00	15 28.210N	143 30.034E	4200		180	16.6	180	14.8	358	1.5	1241	
110523	1751	+09:00	15 27.853N	143 30.033E	4201		181	16.3	183	14.6	1	1.6	1241	SUNSET & PUT ON REGULATION LIGHTS
110523	1755	+09:00	15 26.982N	143 30.026E	4218		179	16.3	182	14.8	356	1.5	1242	
110523	1800	+09:00	15 25.735N	143 30.021E	4212		180	16.2	178	14.8	357	1.3	1243	
110523	1805	+09:00	15 24.477N	143 30.020E	4188		180	16.6	181	14.9	354	1.3	1245	
110523	1810	+09:00	15 23.225N	143 30.026E	3956		179	16.6	180	15.2	5	1.2	1246	
110523	1815	+09:00	15 21.971N	143 30.038E	3689		180	16.3	179	14.4	1	1.3	1247	
110523	1820	+09:00	15 20.732N	143 30.052E	3629		180	16.2	181	14.7	359	1.2	1248	
110523	1825	+09:00	15 19.484N	143 30.058E	3710		179	15.9	178	15.1	358	1.2	1250	
110523	1830	+09:00	15 18.219N	143 30.059E	3916		179	16.5	179	15.3	354	1.1	1251	
110523	1835	+09:00	15 16.947N	143 30.056E	4015		179	16.2	181	15.1	349	0.9	1252	
110523	1840	+09:00	15 15.671N	143 30.051E	4020		180	16.3	180	15.2	349	1	1253	
110523	1845	+09:00	15 14.384N	143 30.036E	4012		180	16.3	178	15.7	344	0.9	1255	
110523	1850	+09:00	15 13.099N	143 30.019E	3970		180	16.5	181	15.7	346	1	1256	
110523	1855	+09:00	15 11.816N	143 30.013E	3940		180	16.3	178	15.3	351	0.8	1257	
110523	1900	+09:00	15 10.517N	143 30.009E	3757		180	16.5	178	15.6	353	0.8	1259	
110523	1905	+09:00	15 09.231N	143 29.999E	3765		181	16.2	182	15.3	348	1.1	1260	
110523	1910	+09:00	15 07.925N	143 29.974E	3666		180	16.1	181	16	307	0.8	1261	
110523	1915	+09:00	15 06.630N	143 29.939E	3644		181	16.1	182	15.2	316	0.6	1262	
110523	1920	+09:00	15 05.339N	143 29.902E	3504		180	16.3	183	15.6	307	0.7	1264	
110523	1925	+09:00	15 04.046N	143 29.852E	3220		180	16.2	183	15.7	307	0.8	1265	
110523	1930	+09:00	15 02.741N	143 29.812E	3325		178	16.3	182	15.9	298	1	1266	
110523	1935	+09:00	15 01.435N	143 29.795E	3502		177	16.5	177	15.8	305	1	1268	
110523	1940	+09:00	15 00.139N	143 29.789E	3629		175	16.6	177	15.3	313	1	1269	
110523	1945	+09:00	14 58.855N	143 29.848E	3739		175	16.3	176	15.5	314	1.3	1270	
110523	1950	+09:00	14 57.572N	143 29.885E	3772		176	16.3	182	15.1	311	1.2	1271	
110523	1955	+09:00	14 56.292N	143 29.908E	3703		177	16.3	181	15.1	300	1.1	1273	
110523	2000	+09:00	14 55.001N	143 29.934E	3314		176	16.3	180	15.6	313	1.2	1274	
110523	2000	+09:00	14 54.988N	143 29.934E	3314		175	16.3	179	15.2	283	0.9	1274	S/B ENG'S & USED HELM VAR'LY
110523	2005	+09:00	14 54.110N	143 30.035E	3055		144	6.7	153	5.4	280	0.9	1275	
110523	2010	+09:00	14 54.037N	143 30.210E	3301		55	0.8	2	0.9			1275	
110523	2010	+09:00	14 54.059N	143 30.201E	3277		39	0.5	331	0.9			1275	CHANGED ENG'S TO E/M
110523	2015	+09:00	14 54.174N	143 30.200E	3155		84	1.9	49	2.1	338	1.5	1275	
110523	2015	+09:00	14 54.183N	143 30.213E	3169	ST.1	89	2.1	40	1.9	1	1.7	1275	3M ORI NET STARTED
110523	2020	+09:00	14 54.227N	143 30.354E	3336	ST.1	88	2	72	1.6			1276	
110523	2025	+09:00	14 54.280N	143 30.514E	3573	ST.1	86	2.7	70	2.6	320	0.8	1276	
110523	2030	+09:00	14 54.347N	143 30.702E	3634	ST.1	84	2.5	85	2.1			1276	
110523	2035	+09:00	14 54.424N	143 30.828E	3759	ST.1	84	2.3	50	2			1276	
110523	2036	+09:00	14 54.445N	143 30.864E	3622	ST.1	85	1.9	60	1.6			1276	3M ORI NET DEEPEST
110523	2040	+09:00	14 54.499N	143 30.947E	3721	ST.1	82	1.9	51	1.6			1276	
110523	2045	+09:00	14 54.607N	143 31.045E	3729	ST.1	78	1.6	36	1.9			1276	
110523	2050	+09:00	14 54.698N	143 31.156E	3733	ST.1	82	1.6	40	2.3			1277	
110523	2055	+09:00	14 54.794N	143 31.266E	3722	ST.1	84	1.9	66	1.7			1277	
110523	2100	+09:00	14 54.853N	143 31.395E	3712	ST.1	96	2.2	78	1.6			1277	
110523	2105	+09:00	14 54.905N	143 31.517E	3691	ST.1	94	1.9	53	1.8			1277	
110523	2110	+09:00	14 54.944N	143 31.631E	3682	ST.1	97	1.7	76	1.5			1277	
110523	2115	+09:00	14 54.977N	143 31.742E	3681	ST.1	96	1.9	58	1.2			1277	
110523	2120	+09:00	14 55.016N	143 31.859E	3690	ST.1	98	1.9	84	2.6			1277	
110523	2125	+09:00	14 55.033N	143 31.993E	3679	ST.1	100	2.3	88	2			1277	
110523	2130	+09:00	14 55.049N	143 32.131E	3704	ST.1	99	2.1	87	1.6			1278	
110523	2135	+09:00	14 55.058N	143 32.243E	3701	ST.1	103	1.8	73	2			1278	
110523	2140	+09:00	14 55.063N	143 32.379E	3710	ST.1	101	2.2	72	1.6			1278	
110523	2145	+09:00	14 55.077N	143 32.492E	3698	ST.1	100	1.6	97	1.2			1278	
110523	2147	+09:00	14 55.089N	143 32.553E	3694	ST.1	100	1.9	89	1.7			1278	3M ORI NET FINISHED
110523	2150	+09:00	14 55.083N	143 32.604E	3684		133	2.3	113	1.6			1278	
110523	2155	+09:00	14 54.857N	143 32.520E	3714		175	2.7	199	2.3	307	1.2	1278	
110523	2157	+09:00	14 54.766N	143 32.472E	3713		187	3	198	2.8	273	1.1	1279	CHANGED ENG'S TO T/M

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110523	2200	+09:00	14 54.622N	143 32.416E	3714		190	6.3	200	6.5	290	1	1279
110523	2205	+09:00	14 53.826N	143 32.164E	3712		190	11.6	202	11.7	294	1.2	1279
110523	2210	+09:00	14 52.811N	143 31.878E	3707		190	14.2	192	13.7	325	1	1281
110523	2215	+09:00	14 51.592N	143 31.563E	3785		190	16.5	191	15.7	302	0.9	1282
110523	2216	+09:00	14 51.291N	143 31.488E	3796		190	16.3	190	16.1	316	1	1282 RUP ENG'S
110523	2220	+09:00	14 50.302N	143 31.250E	3848		190	16.3	192	15.9	297	0.6	1283
110523	2225	+09:00	14 49.003N	143 30.954E	3901		192	16.2	193	15.9	313	0.6	1284
110523	2230	+09:00	14 47.696N	143 30.651E	3922		191	16.5	194	16.2	309	0.6	1286
110523	2235	+09:00	14 46.361N	143 30.385E	3884		185	16.3	185	15.9	290	0.7	1287
110523	2236	+09:00	14 45.943N	143 30.345E	3857		180	16.3	181	15.9	299	0.8	1288 S/CO ON 180°
110523	2240	+09:00	14 45.009N	143 30.297E	3845		180	16.6	180	16	290	0.8	1288
110523	2245	+09:00	14 43.650N	143 30.244E	3936		180	17.1	182	16.3	285	0.5	1290
110523	2250	+09:00	14 42.302N	143 30.192E	3883		182	16.6	184	16	299	0.7	1291
110523	2255	+09:00	14 40.954N	143 30.120E	3786		181	16.8	184	16.3	303	0.7	1292
110523	2300	+09:00	14 39.610N	143 30.073E	3663		179	16.5	180	15.9	328	0.7	1294
110523	2305	+09:00	14 38.263N	143 30.038E	3620		180	16.6	180	16.5	313	0.5	1295
110523	2310	+09:00	14 36.926N	143 29.986E	3524		180	16.2	182	15.7	319	0.8	1297
110523	2315	+09:00	14 35.584N	143 29.934E	3410		181	16.3	180	16.4	318	0.8	1298
110523	2320	+09:00	14 34.225N	143 29.885E	3356		180	16.2	185	16.2	294	0.6	1299
110523	2325	+09:00	14 32.863N	143 29.860E	3229		179	16.8	183	16.2	288	0.5	1301
110523	2330	+09:00	14 31.485N	143 29.855E	3118		178	16.6	179	16.2	249	0.6	1302
110523	2335	+09:00	14 30.118N	143 29.851E	3191		178	16.6	182	16.7	301	0.8	1303
110523	2335	+09:00	14 29.995N	143 29.850E	3218		178	16.2	182	16.4	295	0.7	1303 PASSED ST.14-30N
110523	2340	+09:00	14 28.752N	143 29.845E	3261		178	16.8	181	16.4	305	0.8	1305
110523	2345	+09:00	14 27.387N	143 29.844E	3418		178	16.5	179	16.2	299	0.5	1306
110523	2350	+09:00	14 26.033N	143 29.857E	3522		178	16.5	182	16.5	296	0.4	1307
110523	2355	+09:00	14 24.658N	143 29.869E	3673		179	16.6	179	16.4	280	0.3	1309
110524	0	+09:00	14 23.284N	143 29.876E	3613		178	16.3	183	15.9	228	0.3	1310
110524	5	+09:00	14 21.938N	143 29.886E	3626		179	16.6	180	16.3	327	0.3	1311
110524	10	+09:00	14 20.590N	143 29.901E	4027		179	16.6	179	16.3	2	0.3	1313
110524	15	+09:00	14 19.247N	143 29.907E	3965		179	16.3	177	15.8	14	0.2	1314
110524	20	+09:00	14 17.905N	143 29.911E	3993		179	16.1	178	16.1	10	0.7	1315
110524	25	+09:00	14 16.555N	143 29.918E	4038		178	16.9	181	15.7	16	0.3	1317
110524	30	+09:00	14 15.222N	143 29.936E	4361		179	16.6	175	15.7	21	0.8	1318
110524	35	+09:00	14 13.928N	143 29.972E	4359		179	16.5	177	16.1	37	0.7	1319
110524	40	+09:00	14 12.610N	143 30.004E	4038		180	16.9	176	15.6	53	0.7	1321
110524	45	+09:00	14 11.293N	143 30.033E	3924		180	16.3	178	15.5	21	0.8	1322
110524	50	+09:00	14 09.974N	143 30.053E	4002		180	16.5	182	15.9	16	0.6	1323
110524	55	+09:00	14 08.656N	143 30.074E	4226		178	16.6	178	15.7	25	0.6	1325
110524	100	+09:00	14 07.336N	143 30.085E	4111		180	16.3	177	16	344	0.4	1326
110524	105	+09:00	14 06.025N	143 30.109E	3904		179	16.2	177	15.9	16	0.6	1327
110524	110	+09:00	14 04.721N	143 30.132E	3786		181	16.6	179	15.6	26	0.8	1329
110524	115	+09:00	14 03.408N	143 30.148E	3528		181	16.5	179	15.9	33	0.9	1330
110524	120	+09:00	14 02.100N	143 30.162E	3406		182	16.8	180	15.2	32	1	1331
110524	125	+09:00	14 00.799N	143 30.180E	3384		181	16.1	179	15.7	40	0.8	1333
110524	128	+09:00	13 59.976N	143 30.182E	3347		181	16.6	181	15.7	32	1	1333 PASSED ST.14-00N
110524	130	+09:00	13 59.491N	143 30.178E	3341		181	16.3	177	16.3	33	0.7	1334
110524	135	+09:00	13 58.173N	143 30.175E	3421		183	16.3	178	15.8	38	0.7	1335
110524	140	+09:00	13 56.857N	143 30.174E	3411		183	16.2	180	15.9	41	0.7	1336
110524	145	+09:00	13 55.543N	143 30.165E	3402		182	16.6	177	15.9	31	0.8	1338
110524	150	+09:00	13 54.232N	143 30.158E	3032		182	16.6	179	15.9	21	1	1339
110524	155	+09:00	13 52.915N	143 30.150E	2982		180	16.5	183	15.6	14	0.8	1340
110524	200	+09:00	13 51.605N	143 30.131E	3183		180	16.8	180	15.6	8	0.7	1342
110524	200	+09:00	13 51.539N	143 30.131E	3181		180	16.6	184	15.8	9	0.7	1342 S/B ENG'S
110524	200	+09:00	13 51.517N	143 30.131E	3204		181	16.9	181	15.6	9	0.7	1342 USED HELM VAR'LY
110524	205	+09:00	13 50.635N	143 30.119E	3393		178	6.9	180	6.1	296	0.2	1343
110524	209	+09:00	13 50.410N	143 30.163E	3474		119	1.6	149	1			1343 STOPPED ENG'S
110524	209	+09:00	13 50.410N	143 30.164E	3474		119	1.6	134	1.3			1343 CHANGED ENG'S TO E/M
110524	210	+09:00	13 50.406N	143 30.171E	3467		114	1.1	43	0.8			1343
110524	213	+09:00	13 50.392N	143 30.212E	3475	ST.2	122	0.9	112	1			1343 3M ORI NET STARTED
110524	215	+09:00	13 50.380N	143 30.228E	3475	ST.2	122	1.1	79	1.1			1343
110524	220	+09:00	13 50.315N	143 30.318E	3526	ST.2	120	1.6	117	1.8			1343
110524	225	+09:00	13 50.235N	143 30.472E	3588	ST.2	117	2.3	108	2.3	38	0.2	1343
110524	230	+09:00	13 50.165N	143 30.697E	3630	ST.2	112	2.8	99	3.2	89	0.6	1343
110524	235	+09:00	13 50.108N	143 30.894E	3595	ST.2	109	1.8	104	2			1344
110524	236	+09:00	13 50.101N	143 30.933E	3606	ST.2	108	1.8	111	2.1	84	0.9	1344 3M ORI NET DEEPEST
110524	240	+09:00	13 50.081N	143 31.079E	3669	ST.2	110	2	106	2.4	40	0.4	1344
110524	245	+09:00	13 50.043N	143 31.268E	3679	ST.2	108	1.8	112	2.7	82	0.3	1344
110524	250	+09:00	13 49.995N	143 31.456E	3647	ST.2	110	2.1	111	2.1	61	0.3	1344
110524	255	+09:00	13 49.959N	143 31.648E	3625	ST.2	111	1.9	117	2.3	71	0.5	1344
110524	300	+09:00	13 49.912N	143 31.843E	3578	ST.2	110	2	102	2.5	112	0.5	1345
110524	305	+09:00	13 49.872N	143 32.027E	3607	ST.2	110	2.1	89	2.4	61	0.5	1345
110524	310	+09:00	13 49.827N	143 32.229E	3612	ST.2	109	1.9	101	2.4	73	0.5	1345
110524	315	+09:00	13 49.782N	143 32.418E	3592	ST.2	114	2	110	2.4	73	0.3	1345
110524	320	+09:00	13 49.730N	143 32.608E	3567	ST.2	111	2	98	2.6	85	0.4	1345
110524	325	+09:00	13 49.672N	143 32.798E	3510	ST.2	112	2.1	93	2.3	123	0.5	1346
110524	330	+09:00	13 49.618N	143 32.991E	3544	ST.2	111	1.8	117	2.2	86	0.4	1346
110524	335	+09:00	13 49.579N	143 33.142E	3473	ST.2	110	1.3	103	1.7			1346
110524	338	+09:00	13 49.558N	143 33.221E	3497	ST.2	110	0.7	92	0.7			1346 3M ORI NET FINISHED
110524	340	+09:00	13 49.555N	143 33.232E	3505		110	0.5	67	0.7			1346
110524	345	+09:00	13 49.558N	143 33.223E	3500		144	0.2	274	0.7			1346
110524	349	+09:00	13 49.592N	143 33.185E	3468		188	0.1	46	1.4			1346 CHANGED ENG'S TO T/M
110524	350	+09:00	13 49.596N	143 33.179E	3488		196	0.1	272	0.8			1346
110524	351	+09:00	13 49.579N	143 33.162E	3492		194	2.6	216	2.4	97	7.3	1346 SLOW AHEAD ENG'S
110524	355	+09:00	13 49.279N	143 33.076E	3459		193	6	189	6	346	0.3	1347
110524	400	+09:00	13 48.719N	143 32.925E	3571		195	8.8	189	8.9	226	0.1	1347
110524	400	+09:00	13 48.602N	143 32.891E	3592		195	8.9	195	8.9	2	0.5	1347 S/CO ON 180°
110524	405	+09:00	13 47.894N	143 32.684E	3545		195	11.8	195	11.1	10	0.5	1348

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110524	410	+09:00	13 46.914N	143 32.401E	3500		196	14.1	197	14	14	0.7	1349
110524	415	+09:00	13 45.732N	143 32.057E	3662		195	16.6	196	15.8	12	0.7	1350
110524	416	+09:00	13 45.430N	143 31.967E	3665		196	16.6	198	15.7	3	0.7	1351 R/UP ENG'S
110524	420	+09:00	13 44.470N	143 31.681E	3651		195	15.5	194	15.9	2	0.8	1352
110524	425	+09:00	13 43.210N	143 31.308E	3650		194	16.1	192	16.1	1	0.8	1353
110524	430	+09:00	13 41.921N	143 30.972E	3657		192	16.1	195	15.9	324	0.4	1354
110524	435	+09:00	13 40.640N	143 30.628E	3594		193	16.5	192	15.9	348	0.6	1356
110524	440	+09:00	13 39.360N	143 30.283E	3684		192	16.8	192	15.7	356	0.7	1357
110524	445	+09:00	13 38.049N	143 30.092E	3634		182	16.6	183	15.7	328	0.7	1358
110524	450	+09:00	13 36.729N	143 30.019E	3519		182	16.6	186	15.9	333	0.7	1360
110524	455	+09:00	13 35.413N	143 29.972E	3438		179	16.1	179	15.8	319	0.7	1361
110524	458	+09:00	13 34.584N	143 29.955E	3432		179	16.6	182	16	322	0.8	1362 SUNRISE & TURNED OFF REGULATION LIGHTS
110524	500	+09:00	13 34.089N	143 29.952E	3452		178	16.8	180	16	318	0.8	1362
110524	505	+09:00	13 32.748N	143 29.957E	3391		178	16.5	180	15.8	316	0.6	1364
110524	510	+09:00	13 31.422N	143 29.946E	3429		179	16.5	181	15.9	314	1	1365
110524	515	+09:00	13 30.101N	143 29.958E	3404		177	16.6	180	15.5	321	0.9	1366
110524	516	+09:00	13 29.738N	143 29.965E	3356		177	16.6	177	15.4	316	0.8	1366 PASSED ST.13-30N
110524	520	+09:00	13 28.784N	143 29.988E	3324		177	16.6	181	15.5	326	0.9	1367
110524	525	+09:00	13 27.475N	143 30.027E	3523		177	16.3	180	15.6	293	0.4	1369
110524	530	+09:00	13 26.154N	143 30.028E	3590		179	16.6	182	15.9	332	0.9	1370
110524	535	+09:00	13 24.832N	143 30.014E	3548		178	16.3	184	15.9	319	0.7	1371
110524	540	+09:00	13 23.501N	143 30.001E	3507		178	16.5	178	15.9	276	0.5	1373
110524	545	+09:00	13 22.165N	143 29.991E	3500		178	15.8	179	16	330	0.7	1374
110524	550	+09:00	13 20.834N	143 29.970E	3356		178	16.6	182	15.9	316	0.8	1375
110524	555	+09:00	13 19.510N	143 29.958E	3287		179	16.3	180	15.9	314	0.7	1377
110524	600	+09:00	13 18.182N	143 29.971E	3294		179	16.5	180	15.7	319	0.6	1378
110524	605	+09:00	13 16.849N	143 30.005E	3340		178	16.5	179	15.6	341	0.5	1379
110524	610	+09:00	13 15.508N	143 30.046E	3227		178	16.3	178	15.9	358	0.4	1381
110524	615	+09:00	13 14.178N	143 30.083E	3299		179	16.6	179	16.2	335	0.4	1382
110524	620	+09:00	13 12.826N	143 30.120E	3374		178	16.5	178	16.1	306	0.2	1383
110524	625	+09:00	13 11.479N	143 30.156E	3394		177	16.5	177	16.2	267	0.1	1385
110524	630	+09:00	13 10.140N	143 30.149E	3414		181	16.5	182	15.8	321	0.4	1386
110524	635	+09:00	13 08.798N	143 30.104E	3325		181	16.5	184	16	346	0.5	1387
110524	640	+09:00	13 07.450N	143 30.076E	3348		182	16.3	183	16	350	0.8	1389
110524	645	+09:00	13 06.109N	143 30.048E	3341		181	16.6	183	15.9	346	0.6	1390
110524	650	+09:00	13 04.771N	143 30.025E	3280		180	16.8	181	16.2	346	0.5	1391
110524	655	+09:00	13 03.423N	143 30.009E	3300		180	16.2	181	15.9	301	0.5	1393
110524	700	+09:00	13 02.077N	143 29.986E	3282		180	16.8	181	16	315	0.5	1394
110524	705	+09:00	13 00.724N	143 29.963E	3275		180	16.6	180	16.1	317	0.4	1395
110524	708	+09:00	12 59.718N	143 29.947E	3280		179	16.5	181	16	286	0.3	1396 PASSED ST.13-00N
110524	710	+09:00	12 59.366N	143 29.942E	3227		180	16.6	181	16.2	306	0.3	1397
110524	715	+09:00	12 58.017N	143 29.944E	3215		178	16.2	183	16	299	0.6	1398
110524	720	+09:00	12 56.665N	143 29.946E	3230		177	16.6	180	16.4	297	0.8	1399
110524	725	+09:00	12 55.313N	143 29.939E	3199		178	16.3	180	16	272	0.7	1401
110524	730	+09:00	12 53.968N	143 29.951E	3211		176	16.5	180	16.2	288	0.8	1402
110524	735	+09:00	12 52.618N	143 29.964E	3104		178	16.3	184	16.1	307	0.9	1403
110524	740	+09:00	12 51.279N	143 29.970E	3012		177	16.3	178	15.7	309	0.9	1405
110524	745	+09:00	12 49.954N	143 29.996E	2960		177	16.2	177	15.6	311	0.7	1406
110524	750	+09:00	12 48.636N	143 30.016E	2927		178	16.3	179	15.8	321	0.7	1407
110524	755	+09:00	12 47.300N	143 30.042E	2935		178	16.5	177	16.4	325	0.5	1409
110524	800	+09:00	12 45.952N	143 30.074E	3176		178	16.6	179	16	317	0.4	1410
110524	805	+09:00	12 44.600N	143 30.098E	3174		178	16.6	177	16.1	325	0.5	1411
110524	810	+09:00	12 43.263N	143 30.106E	2746		177	16.8	179	15.9	305	0.7	1413
110524	815	+09:00	12 41.930N	143 30.107E	2695		177	16.6	180	15.8	303	0.7	1414
110524	820	+09:00	12 40.581N	143 30.114E	2860		178	16.3	179	16.3	287	0.5	1415
110524	825	+09:00	12 39.235N	143 30.114E	3305		178	16.6	179	15.9	305	0.8	1417
110524	830	+09:00	12 37.897N	143 30.109E	3596		178	16.5	177	15.9	305	1	1418
110524	835	+09:00	12 36.561N	143 30.104E	3715		178	16.8	180	16.1	304	0.8	1419
110524	840	+09:00	12 35.206N	143 30.094E	3662		178	16.6	179	16	302	0.9	1421
110524	845	+09:00	12 33.856N	143 30.090E	3744		179	16.5	178	16.2	306	0.8	1422
110524	850	+09:00	12 32.509N	143 30.085E	3686		178	16.6	180	16	307	0.8	1423
110524	855	+09:00	12 31.172N	143 30.075E	3723		178	16.8	182	16.3	291	0.8	1425
110524	859	+09:00	12 30.053N	143 30.071E	3278		179	16.5	182	16.2	292	0.7	1426 PASSED ST.12-30N
110524	900	+09:00	12 29.823N	143 30.067E	3388		178	16.5	178	16.1	289	0.8	1426
110524	905	+09:00	12 28.477N	143 30.046E	3015		178	16.5	184	16.2	294	0.9	1427
110524	910	+09:00	12 27.134N	143 30.019E	3092		178	16.5	184	16.1	297	1	1429
110524	915	+09:00	12 25.789N	143 29.999E	3175		178	16.5	182	16	295	0.9	1430
110524	920	+09:00	12 24.436N	143 29.983E	3498		178	16.1	180	16.4	273	0.8	1431
110524	925	+09:00	12 23.071N	143 29.981E	3556		177	16.6	180	16.4	286	0.7	1433
110524	930	+09:00	12 21.704N	143 29.974E	3612		178	16.9	182	16.1	291	0.8	1434
110524	935	+09:00	12 20.350N	143 29.968E	3782		178	16.6	179	16.4	302	0.8	1435
110524	940	+09:00	12 19.009N	143 29.969E	3838		178	16.3	177	15.8	290	0.7	1437
110524	945	+09:00	12 17.658N	143 29.968E	3723		179	16.6	180	16.2	276	0.6	1438
110524	950	+09:00	12 16.293N	143 29.962E	3750		177	16.5	178	16.6	272	0.6	1439
110524	955	+09:00	12 14.941N	143 29.965E	3648		178	16.5	179	16.1	293	0.6	1441
110524	1000	+09:00	12 13.606N	143 29.973E	3687		177	16.6	179	16	300	0.8	1442
110524	1005	+09:00	12 12.255N	143 29.972E	3742		177	16.5	178	16.1	285	0.6	1443
110524	1010	+09:00	12 10.891N	143 29.968E	3584		179	16.2	181	16.2	282	0.6	1445
110524	1015	+09:00	12 09.531N	143 29.962E	3524		178	16.6	184	15.9	285	0.7	1446
110524	1020	+09:00	12 08.177N	143 29.971E	3558		178	16.6	178	16	296	0.5	1448
110524	1025	+09:00	12 06.829N	143 29.981E	3859		178	16.5	179	16.2	264	0.5	1449
110524	1030	+09:00	12 05.463N	143 29.986E	4017		178	16.5	180	16.4	263	0.6	1450
110524	1035	+09:00	12 04.094N	143 29.978E	4001		179	16.3	182	16.7	248	0.7	1452
110524	1040	+09:00	12 02.710N	143 29.985E	4029		178	16.5	180	16.3	277	0.6	1453
110524	1045	+09:00	12 01.335N	143 29.989E	3812		178	16.6	180	16.5	263	0.5	1454
110524	1049	+09:00	12 00.111N	143 29.990E	3774		178	16.3	182	16.6	262	0.5	1456 PASSED ST.12-00N
110524	1050	+09:00	11 59.949N	143 29.989E	3722		178	16.3	178	16.5	249	0.7	1456
110524	1055	+09:00	11 58.557N	143 29.979E	3703		178	16.8	180	16.7	242	0.8	1457



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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110524	1100	+09:00	11 57.156N	143 29.971E	3127		178	16.6	182	16.3	249	0.8	1459
110524	1105	+09:00	11 55.759N	143 29.958E	3164		177	16.3	179	16.8	253	0.8	1460
110524	1110	+09:00	11 54.372N	143 29.940E	3186		178	16.6	179	16.3	261	0.7	1461
110524	1115	+09:00	11 52.996N	143 29.941E	3086		178	16.3	180	16.3	262	0.4	1463
110524	1120	+09:00	11 51.624N	143 29.953E	3349		179	16.5	182	16.4	229	0.5	1464
110524	1125	+09:00	11 50.257N	143 29.973E	3694		179	16.2	181	16.3	251	0.3	1465
110524	1130	+09:00	11 48.883N	143 30.000E	6		178	16.3	181	16.6	241	0.4	1467
110524	1135	+09:00	11 47.506N	143 30.023E	5357		178	16.3	179	16.8	240	0.3	1468
110524	1140	+09:00	11 46.137N	143 30.043E	6018		178	16.5	178	16.6	232	0.5	1470
110524	1145	+09:00	11 44.764N	143 30.065E	6432		178	16.3	178	16.6	256	0.3	1471
110524	1150	+09:00	11 43.398N	143 30.089E	6920		178	16.5	178	16.3	287	0.3	1472
110524	1155	+09:00	11 42.039N	143 30.097E	7220		178	16.1	177	16.3	288	0.4	1474
110524	1200	+09:00	11 40.676N	143 30.107E	7405		178	16.5	183	16.7	266	0.5	1475
110524	1205	+09:00	11 39.301N	143 30.112E	7447		178	16.1	177	16.4	266	0.5	1476
110524	1210	+09:00	11 37.938N	143 30.122E	7349		177	16.1	182	16.2	256	0.5	1478
110524	1215	+09:00	11 36.577N	143 30.144E	7866		177	16.5	179	16.4	296	0.4	1479
110524	1220	+09:00	11 35.215N	143 30.146E	8180		180	16.3	180	16.2	261	0.4	1480
110524	1225	+09:00	11 33.851N	143 30.112E	8583		179	16.6	181	16.5	285	0.5	1482
110524	1230	+09:00	11 32.498N	143 30.056E	8869		181	15.9	182	16.2	267	0.5	1483
110524	1235	+09:00	11 31.138N	143 29.997E	9109		181	16.3	182	16.3	267	0.4	1484
110524	1239	+09:00	11 29.965N	143 29.950E	5		181	16.5	181	16.1	269	0.5	1486
110524	1240	+09:00	11 29.770N	143 29.932E	5		195	15.6	194	16.3	253	0.5	1486
110524	1240	+09:00	11 29.697N	143 29.905E	9159		208	14.7	206	16.5	216	1.1	1486 A/CO TO 263°
110524	1245	+09:00	11 29.396N	143 28.676E	6		263	16.6	263	17.2	235	0.5	1487
110524	1250	+09:00	11 29.201N	143 27.280E	9141		262	16.5	263	16.6	221	0.4	1489
110524	1255	+09:00	11 29.029N	143 25.879E	6		264	16.5	263	17	248	0.4	1490
110524	1300	+09:00	11 28.911N	143 24.479E	9446		268	16.5	267	16.8	264	0.5	1491
110524	1300	+09:00	11 28.908N	143 24.361E	9444		269	16.2	269	16.7	265	0.5	1492 S/B ENG'S USED ENG'S VAR'LY
110524	1300	+09:00	11 28.907N	143 24.356E	9444		269	16.1	268	16.6	265	0.5	1492 USED HELM VAR'LY
110524	1305	+09:00	11 28.870N	143 23.267E	9341		271	11.7	270	12.5	266	0.7	1493
110524	1305	+09:00	11 28.870N	143 23.264E	9341		271	11.5	269	12.7	266	0.7	1493 8 SHAPE ROTATION RIGHT TURNING STARTED
110524	1310	+09:00	11 29.540N	143 22.796E	9138		31	11	28	11.2	331	0.7	1494
110524	1315	+09:00	11 29.514N	143 23.573E	9307		150	11.7	153	12.3	181	1.1	1494
110524	1320	+09:00	11 28.765N	143 23.090E	5		269	11.8	270	12.9	258	1.3	1496
110524	1320	+09:00	11 28.764N	143 23.061E	5		271	11.8	270	12.5	258	1.3	1496 8 SHAPE ROTATION LEFT TURNING STARTED
110524	1325	+09:00	11 28.050N	143 22.594E	9143		151	12.2	160	11.9	234	0.9	1497
110524	1330	+09:00	11 28.000N	143 23.364E	9174		31	12.5	29	11.7	240	1	1498
110524	1335	+09:00	11 28.682N	143 22.926E	9384		271	11.1	269	12	251	0.7	1498
110524	1335	+09:00	11 28.681N	143 22.920E	9384		270	11.1	267	11.5	251	0.7	1498 8 SHAPE ROTATION TURNING FINISHED
110524	1337	+09:00	11 28.655N	143 22.477E	9365		267	14.5	266	15.1	241	0.8	1499 S/CO ON 263°
110524	1340	+09:00	11 28.609N	143 21.677E	9262		269	16.2	268	16.3	222	0.3	1500
110524	1345	+09:00	11 28.535N	143 20.265E	9145		266	16.3	265	16.5	223	0.4	1501
110524	1345	+09:00	11 28.530N	143 20.194E	9140		267	16.5	265	17	230	0.3	1501 R/UP ENG'S
110524	1350	+09:00	11 28.413N	143 18.843E	5		264	16.1	263	16.9	219	0.1	1502
110524	1355	+09:00	11 28.287N	143 17.412E	8968		266	17.1	265	17.1	257	0.3	1504
110524	1400	+09:00	11 28.128N	143 16.001E	6		265	16.6	266	17.1	291	0.1	1505
110524	1405	+09:00	11 27.976N	143 14.589E	9165		262	16.9	262	16.7	270	0.4	1507
110524	1410	+09:00	11 27.819N	143 13.186E	8973		262	17.3	263	16.9	301	0.3	1508
110524	1415	+09:00	11 27.664N	143 11.783E	8959		264	16.5	263	16.6	332	0.2	1509
110524	1420	+09:00	11 27.504N	143 10.387E	9005		264	16.3	264	16.6	267	0.3	1511
110524	1425	+09:00	11 27.351N	143 08.982E	8845		262	17.1	263	16.6	264	0.1	1512
110524	1430	+09:00	11 27.184N	143 07.576E	9021		264	15.9	264	16.6	260	0.3	1514
110524	1435	+09:00	11 27.018N	143 06.169E	8911		263	16.9	262	17	260	0.2	1515
110524	1440	+09:00	11 26.848N	143 04.764E	8827		263	16.8	263	16.7	259	0.3	1516
110524	1445	+09:00	11 26.683N	143 03.355E	8831		264	16.9	265	16.8	259	0.3	1518
110524	1450	+09:00	11 26.517N	143 01.933E	9133		264	16.3	263	16.9	273	0.6	1519
110524	1455	+09:00	11 26.353N	143 00.523E	9185		263	16.3	263	16.4	280	0.4	1521
110524	1500	+09:00	11 26.190N	142 59.121E	9016		263	16.9	264	16.9	307	0.2	1522
110524	1505	+09:00	11 26.034N	142 57.719E	8848		264	15.5	265	16.4	300	0.4	1523
110524	1510	+09:00	11 25.876N	142 56.326E	8855		262	15.9	263	16	358	0.3	1525
110524	1515	+09:00	11 25.718N	142 54.926E	9132		262	16.2	263	16.2	333	0.2	1526
110524	1520	+09:00	11 25.555N	142 53.534E	9269		263	16.5	263	16.3	43	0.2	1528
110524	1525	+09:00	11 25.390N	142 52.153E	9354		263	16.8	264	16.6	282	0	1529
110524	1530	+09:00	11 25.223N	142 50.760E	9453		262	16.1	262	16.3	12	0.2	1530
110524	1535	+09:00	11 25.064N	142 49.361E	9530		262	16.9	262	16.6	281	0.3	1532
110524	1540	+09:00	11 24.910N	142 47.973E	9431		262	16.1	263	16.4	347	0.2	1533
110524	1545	+09:00	11 24.748N	142 46.586E	9585		263	16.5	263	16.3	310	0.2	1534
110524	1550	+09:00	11 24.586N	142 45.204E	9548		262	16.8	261	16.2	38	0.2	1536
110524	1555	+09:00	11 24.427N	142 43.828E	9645		264	16.8	266	16.6	0	0.3	1537
110524	1600	+09:00	11 24.262N	142 42.447E	9728		263	16.5	262	16.6	339	0.2	1538
110524	1605	+09:00	11 24.095N	142 41.051E	9790		263	16.9	264	16.8	314	0.1	1540
110524	1608	+09:00	11 23.999N	142 40.194E	9909		262	16.2	262	16.4	41	0.1	1541 ENTERED IN EEZ OF MICRONESIA
110524	1610	+09:00	11 23.937N	142 39.658E	9915		263	16.2	263	16.6	307	0.2	1541
110524	1615	+09:00	11 23.778N	142 38.265E	24		260	16.6	261	16.4	327	0.3	1543
110524	1620	+09:00	11 23.527N	142 36.869E	98		257	16.8	259	16.9	286	0.6	1544
110524	1625	+09:00	11 23.239N	142 35.480E	220		256	16.5	257	16.6	340	0.3	1545
110524	1625	+09:00	11 23.206N	142 35.332E	6		256	16.5	257	16.9	304	0.5	1545 S/B ENG'S & USED HELM VAR'LY
110524	1630	+09:00	11 22.967N	142 34.362E	288		252	9.4	260	9.9	294	0.6	1547
110524	1634	+09:00	11 23.053N	142 33.863E	33		313	2.6	310	3.4	297	0.7	1547 STOPPED ENG'S
110524	1635	+09:00	11 23.061N	142 33.853E	190		314	2.4	316	3.3	290	0.6	1547
110524	1637	+09:00	11 23.127N	142 33.780E	483		322	1.4	317	2.1	298	0.9	1547 CHANGED ENG'S TO E/M
110524	1640	+09:00	11 23.183N	142 33.708E	466		295	1.6	297	2.4	305	1.5	1547
110524	1641	+09:00	11 23.203N	142 33.669E	520	ST.3	295	2	299	2.9	314	0.7	1547 IKMT NET STARTED
110524	1645	+09:00	11 23.301N	142 33.490E	510	ST.3	301	2.5	299	3.5	295	0.8	1548
110524	1650	+09:00	11 23.469N	142 33.198E	581	ST.3	300	3.4	301	4.2	298	0.7	1548
110524	1655	+09:00	11 23.639N	142 32.891E	266	ST.3	300	3.5	298	4.4	299	0.8	1548
110524	1700	+09:00	11 23.818N	142 32.584E	200	ST.3	301	3.6	306	4.4	300	0.8	1549
110524	1705	+09:00	11 24.002N	142 32.277E	9784	ST.3	300	3.3	302	4.4	308	0.9	1549

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110524	1710	+09:00	11 24.187N	142 31.966E	9703	ST.3	300	3.5	300	4.1	309	0.9	1549
110524	1715	+09:00	11 24.372N	142 31.662E	9649	ST.3	298	3.2	299	4.2	309	1	1550
110524	1720	+09:00	11 24.566N	142 31.340E	9621	ST.3	299	3.9	304	4.7	312	0.8	1550
110524	1725	+09:00	11 24.774N	142 30.999E	9516	ST.3	299	4.2	301	4.5	313	0.8	1550
110524	1726	+09:00	11 24.846N	142 30.880E	9468	ST.3	299	4	305	4.7	313	0.8	1551 IKMT NET DEEPEST
110524	1730	+09:00	11 24.954N	142 30.700E	9435	ST.3	300	2.5	293	3.4	309	0.5	1551
110524	1735	+09:00	11 25.092N	142 30.472E	9374	ST.3	302	2.4	304	3.6	310	0.9	1551
110524	1740	+09:00	11 25.237N	142 30.247E	9310	ST.3	300	2.4	298	3	310	0.8	1551
110524	1745	+09:00	11 25.392N	142 30.028E	9268	ST.3	300	2.3	303	3.4	320	0.9	1552
110524	1750	+09:00	11 25.544N	142 29.799E	9249	ST.3	301	2.2	304	3.3	317	1	1552
110524	1750	+09:00	11 25.567N	142 29.768E	9240	ST.3	300	2.4	300	3.6	316	1	1552 SUNSET & PUT ON REGULATION LIGHTS
110524	1755	+09:00	11 25.693N	142 29.565E	9228	ST.3	300	2.6	298	3.6	309	1	1552
110524	1800	+09:00	11 25.842N	142 29.327E	9195	ST.3	300	2.5	304	3.2	313	1	1552
110524	1805	+09:00	11 26.003N	142 29.096E	9145	ST.3	299	2.3	300	3.1	318	0.9	1553
110524	1810	+09:00	11 26.140N	142 28.873E	9106	ST.3	300	2.4	295	3.2	286	0.7	1553
110524	1815	+09:00	11 26.301N	142 28.648E	9079	ST.3	300	2.5	300	3.2	316	0.8	1553
110524	1820	+09:00	11 26.454N	142 28.429E	9030	ST.3	298	2.5	299	3.1	349	1.4	1553
110524	1825	+09:00	11 26.589N	142 28.208E	9049	ST.3	301	2.4	300	3.3	312	0.9	1554
110524	1830	+09:00	11 26.741N	142 27.983E	8984	ST.3	300	2.5	305	3.3	327	1	1554
110524	1835	+09:00	11 26.879N	142 27.750E	9032	ST.3	301	2.5	308	3.1	303	0.6	1554
110524	1840	+09:00	11 27.023N	142 27.517E	9010	ST.3	299	2.3	297	3.3	308	0.9	1555
110524	1845	+09:00	11 27.161N	142 27.295E	8990	ST.3	300	2.2	296	3	317	0.6	1555
110524	1849	+09:00	11 27.274N	142 27.117E	8980	ST.3	299	1.9	314	2.9	313	0.6	1555 IKMT NET FINISHED
110524	1850	+09:00	11 27.278N	142 27.110E	8974		299	1.9	312	2.4	312	0.6	1555
110524	1855	+09:00	11 27.390N	142 26.897E	8962		280	3	291	3.7	322	0.5	1555
110524	1900	+09:00	11 27.386N	142 26.579E	8946		256	1.9	257	2.5	330	0.7	1556
110524	1901	+09:00	11 27.382N	142 26.521E	8932		258	1.3	266	2.1			1556 CHANGED ENG'S TO T/M
110524	1905	+09:00	11 27.372N	142 26.309E	8930		259	5.9	265	6	307	0.7	1556
110524	1910	+09:00	11 27.232N	142 25.574E	8962		256	9.1	262	9.9	315	0.6	1557
110524	1915	+09:00	11 27.037N	142 24.643E	9042		255	11.8	258	12	344	0.6	1558
110524	1920	+09:00	11 26.778N	142 23.481E	9113		256	16.2	257	15.9	5	0.6	1559
110524	1922	+09:00	11 26.639N	142 22.869E	9157		255	16.2	257	16.2	342	0.5	1559 R/UP ENG'S & S/CO ON 273°
110524	1925	+09:00	11 26.467N	142 22.146E	9244		254	15.8	256	16	356	0.5	1560
110524	1930	+09:00	11 26.213N	142 20.791E	9258		260	16.5	262	15.9	351	0.4	1561
110524	1935	+09:00	11 25.982N	142 19.422E	9288		260	16.3	260	16.2	283	0.5	1563
110524	1940	+09:00	11 25.755N	142 18.062E	9362		260	16.2	260	16.6	272	0.6	1564
110524	1945	+09:00	11 25.527N	142 16.688E	9334		260	16.5	261	16.3	25	0.4	1566
110524	1950	+09:00	11 25.302N	142 15.319E	9291		260	16.6	259	16.6	326	0.1	1567
110524	1955	+09:00	11 25.063N	142 13.948E	9276		259	16.6	260	16.5	4	0.1	1568
110524	2000	+09:00	11 24.828N	142 12.572E	9149		259	16.2	259	16.2	316	0.2	1570
110524	2005	+09:00	11 24.597N	142 11.194E	8993		259	16.5	258	16.6	292	0.3	1571
110524	2010	+09:00	11 24.449N	142 09.799E	8726		264	16.5	264	16.9	229	0.7	1572
110524	2015	+09:00	11 24.364N	142 08.369E	8438		271	16.2	271	16.5	275	0.6	1574
110524	2020	+09:00	11 24.381N	142 06.947E	8333		270	16.3	270	16.7	269	0.5	1575
110524	2025	+09:00	11 24.394N	142 05.530E	8120		270	16.2	268	16.7	279	0.5	1577
110524	2030	+09:00	11 24.416N	142 04.108E	8091		270	16.2	270	16.8	264	0.5	1578
110524	2035	+09:00	11 24.452N	142 02.688E	8097		271	16.8	271	16.9	320	1	1579
110524	2040	+09:00	11 24.514N	142 01.287E	7971		272	16.6	272	16.6	339	0.3	1581
110524	2045	+09:00	11 24.584N	141 59.887E	7901		272	16.8	274	16.4	314	0.3	1582
110524	2050	+09:00	11 24.651N	141 58.487E	7891		272	16.3	272	16.7	296	0.4	1583
110524	2055	+09:00	11 24.723N	141 57.084E	7821		272	16.3	274	16.6	339	0.3	1585
110524	2100	+09:00	11 24.789N	141 55.680E	7751		272	16.2	274	16.3	2	0.2	1586
110524	2105	+09:00	11 24.864N	141 54.275E	7559		272	16.5	272	16.8	326	0.7	1588
110524	2110	+09:00	11 24.922N	141 52.880E	7497		272	16.2	272	16.7	339	0	1589
110524	2115	+09:00	11 24.976N	141 51.477E	7509		272	16.8	270	16.8	291	0.5	1590
110524	2120	+09:00	11 25.036N	141 50.073E	7531		272	16.1	274	17	285	0.4	1592
110524	2125	+09:00	11 25.099N	141 48.662E	7533		271	16.2	272	16.7	291	0.5	1593
110524	2130	+09:00	11 25.173N	141 47.258E	7789		273	16.6	272	16.8	33	0.3	1595
110524	2135	+09:00	11 25.244N	141 45.844E	7880		272	16.3	272	16.7	289	0.3	1596
110524	2140	+09:00	11 25.312N	141 44.447E	7577		271	15.5	271	16.2	296	0.7	1597
110524	2145	+09:00	11 25.393N	141 43.048E	7390		273	16.2	275	16.6	327	0.5	1599
110524	2150	+09:00	11 25.486N	141 41.641E	7197		272	16.6	273	16.7	328	0.6	1600
110524	2155	+09:00	11 25.561N	141 40.233E	7007		272	16.2	273	16.5	321	0.6	1601
110524	2200	+09:00	11 25.634N	141 38.841E	6992		272	16.6	276	16.5	348	0.5	1603
110524	2205	+09:00	11 25.700N	141 37.459E	7046		272	16.5	274	15.9	8	0.5	1604
110524	2210	+09:00	11 25.766N	141 36.077E	7027		271	16.2	272	16.6	339	0.4	1606
110524	2215	+09:00	11 25.825N	141 34.689E	7009		271	15.9	272	16.4	344	0.4	1607
110524	2220	+09:00	11 25.889N	141 33.300E	6857		270	16.3	273	16.5	354	0.4	1608
110524	2225	+09:00	11 25.947N	141 31.914E	6880		270	16.2	270	16.4	6	0.4	1610
110524	2230	+09:00	11 26.016N	141 30.515E	6594		271	16.2	272	16.5	343	0.6	1611
110524	2235	+09:00	11 26.080N	141 29.122E	6475		271	15.9	272	16.5	9	0.4	1612
110524	2240	+09:00	11 26.147N	141 27.744E	6187		271	16.6	272	16.4	12	0.5	1613
110524	2245	+09:00	11 26.205N	141 26.356E	5805		271	16.3	272	16.3	31	0.5	1615
110524	2250	+09:00	11 26.265N	141 24.968E	5272		272	15.9	273	16.1	354	0.5	1616
110524	2255	+09:00	11 26.346N	141 23.567E	5202		271	16.6	274	16.6	349	0.9	1618
110524	2300	+09:00	11 26.411N	141 22.164E	4964		270	16.1	272	16.5	348	0.7	1619
110524	2305	+09:00	11 26.478N	141 20.753E	4429		270	16.5	273	16.4	336	0.7	1620
110524	2310	+09:00	11 26.540N	141 19.360E	4106		270	16.1	272	16.7	11	0.5	1622
110524	2315	+09:00	11 26.592N	141 17.959E	4082		271	16.5	272	16.6	341	0.4	1623
110524	2320	+09:00	11 26.662N	141 16.545E	3920		271	16.6	273	16.6	339	0.7	1624
110524	2325	+09:00	11 26.733N	141 15.137E	3934		271	16.6	274	16.7	317	1	1626
110524	2330	+09:00	11 26.795N	141 13.728E	3638		270	16.2	271	16.6	349	0.7	1627
110524	2335	+09:00	11 26.851N	141 12.322E	3568		271	16.6	274	16.7	318	0.5	1629
110524	2340	+09:00	11 26.910N	141 10.912E	3567		271	16.3	273	16.7	337	0.5	1630
110524	2345	+09:00	11 26.976N	141 09.525E	3785		271	15.8	274	16	348	0.5	1631
110524	2350	+09:00	11 27.034N	141 08.148E	3907		271	16.8	273	16.3	46	0.6	1633
110524	2355	+09:00	11 27.097N	141 06.764E	3950		271	16.3	273	16.2	22	0.6	1634
110525	0	+09:00	11 27.158N	141 05.392E	3885		271	16.6	272	16.1	35	0.7	1635

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110525	5	+09:00	11 27.219N	141 04.018E	3748		271	16.6	272	16.5	29	0.4	1637
110525	10	+09:00	11 27.282N	141 02.655E	3732		270	16.5	273	16	27	0.6	1638
110525	15	+09:00	11 27.351N	141 01.302E	3782		270	16.3	273	16	32	0.6	1639
110525	20	+09:00	11 27.412N	140 59.936E	3734		271	16.8	272	16.4	13	0.5	1641
110525	25	+09:00	11 27.470N	140 58.573E	3696		271	16.3	272	16	37	0.6	1642
110525	30	+09:00	11 27.534N	140 57.207E	3752		270	16.8	272	16.3	21	0.7	1643
110525	35	+09:00	11 27.611N	140 55.842E	3724		271	16.5	274	16.3	22	1.1	1645
110525	40	+09:00	11 27.670N	140 54.466E	3710		272	16.2	273	16.4	7	0.6	1646
110525	45	+09:00	11 27.734N	140 53.088E	3800		271	16.2	273	16	22	0.5	1648
110525	50	+09:00	11 27.795N	140 51.711E	3815		270	16.2	271	16.4	23	0.7	1649
110525	55	+09:00	11 27.854N	140 50.329E	3903		271	15.9	272	15.9	22	0.6	1650
110525	100	+09:00	11 27.921N	140 48.965E	4107		272	16.3	273	16.2	28	0.6	1652
110525	105	+09:00	11 27.981N	140 47.617E	4263		270	15.9	272	16	61	0.9	1653
110525	110	+09:00	11 28.029N	140 46.241E	4268		271	16.1	273	15.9	38	0.4	1654
110525	115	+09:00	11 28.087N	140 44.884E	4116		271	16.5	273	16.1	36	0.5	1656
110525	120	+09:00	11 28.154N	140 43.532E	4123		272	15.9	272	15.5	27	0.5	1657
110525	125	+09:00	11 28.215N	140 42.199E	4129		271	16.3	274	15.5	51	0.7	1658
110525	130	+09:00	11 28.274N	140 40.855E	3993		272	16.5	273	16.1	58	0.5	1660
110525	135	+09:00	11 28.336N	140 39.506E	3785		271	16.1	272	15.8	17	0.5	1661
110525	140	+09:00	11 28.403N	140 38.163E	3613		271	16.3	274	15.9	46	0.8	1662
110525	145	+09:00	11 28.468N	140 36.829E	3519		271	16.5	272	15.8	51	0.7	1664
110525	150	+09:00	11 28.534N	140 35.492E	3554		271	16.3	272	15.6	59	1	1665
110525	155	+09:00	11 28.590N	140 34.161E	3556		271	16.3	274	15.9	49	0.6	1666
110525	200	+09:00	11 28.643N	140 32.797E	3508		271	16.8	272	16.7	9	0.2	1668
110525	205	+09:00	11 28.699N	140 31.433E	3363		271	16.6	273	16.1	33	0.4	1669
110525	210	+09:00	11 28.760N	140 30.064E	3227		272	16.6	275	16	36	0.5	1670
110525	215	+09:00	11 28.822N	140 28.728E	3151		272	16.3	276	15.8	61	0.8	1672
110525	220	+09:00	11 28.885N	140 27.401E	3176		271	16.6	272	15.5	62	0.9	1673
110525	225	+09:00	11 28.944N	140 26.084E	3177		270	16.1	272	15.3	70	0.6	1674
110525	230	+09:00	11 29.003N	140 24.763E	5		270	16.6	272	15.6	60	0.7	1675
110525	235	+09:00	11 29.061N	140 23.439E	3090		271	16.3	273	15.6	56	0.6	1677
110525	240	+09:00	11 29.119N	140 22.125E	3084		271	16.3	272	15.6	76	1	1678
110525	245	+09:00	11 29.175N	140 20.811E	3103		273	16.3	275	16	74	0.9	1679
110525	250	+09:00	11 29.229N	140 19.507E	3058		271	16.1	273	15.2	77	0.8	1681
110525	255	+09:00	11 29.286N	140 18.188E	3006		272	16.6	274	15.8	75	0.7	1682
110525	300	+09:00	11 29.353N	140 16.869E	3058		272	16.5	272	15.2	58	0.7	1683
110525	305	+09:00	11 29.407N	140 15.545E	2961		271	15.9	273	15.5	65	0.5	1685
110525	310	+09:00	11 29.469N	140 14.221E	2872		271	16.2	272	14.9	49	0.6	1686
110525	315	+09:00	11 29.534N	140 12.875E	2778		272	16.3	273	15.7	55	0.6	1687
110525	320	+09:00	11 29.591N	140 11.536E	2688		272	16.2	273	15.4	55	0.6	1688
110525	325	+09:00	11 29.651N	140 10.187E	2650		272	16.1	273	15.7	75	0.7	1690
110525	330	+09:00	11 29.709N	140 08.855E	2756		272	16.3	273	15.8	64	0.6	1691
110525	335	+09:00	11 29.769N	140 07.506E	2560		272	16.3	273	15.7	58	0.5	1692
110525	340	+09:00	11 29.840N	140 06.175E	2530		271	16.3	273	16	15	0.4	1694
110525	345	+09:00	11 29.898N	140 04.826E	2301		272	16.3	272	15.8	37	0.5	1695
110525	350	+09:00	11 29.936N	140 03.480E	2164		270	16.3	272	15.3	32	0.5	1696
110525	355	+09:00	11 29.965N	140 02.132E	2146		270	16.5	271	16.1	31	0.5	1698
110525	357	+09:00	11 29.982N	140 01.466E	2129		270	16.5	271	15.9	31	0.5	1698 S/B ENG'S & USED HELM VAR'LY
110525	400	+09:00	11 29.997N	140 00.860E	2125		270	12.7	271	11.7	52	0.7	1699
110525	405	+09:00	11 30.020N	140 00.118E	2110		270	5.4	276	5.8	359	0.3	1700
110525	408	+09:00	11 30.035N	139 59.964E	2063		262	0.7	277	1.2			1700 STOPPED ENG'S
110525	410	+09:00	11 30.045N	139 59.947E	2070		264	0.1	298	1.7			1700
110525	410	+09:00	11 30.051N	139 59.939E	2064		264	0.1	323	0.9			1700 CHANGED ENG'S TO E/M
110525	415	+09:00	11 30.084N	139 59.896E	2043		270	0.4	311	1.5			1700
110525	420	+09:00	11 30.126N	139 59.866E	2064		188	0.4	351	1.6			1700
110525	421	+09:00	11 30.143N	139 59.863E	2063	ST.4	180	0.2	318	1.4			1700 CTD-CMS STARTED
110525	425	+09:00	11 30.187N	139 59.858E	2062	ST.4	180	0.1	20	1.3			1700
110525	430	+09:00	11 30.227N	139 59.861E	2060	ST.4	179	0.5	35	0.9			1700
110525	435	+09:00	11 30.257N	139 59.893E	2070	ST.4	187	0.2	94	1.3			1700
110525	440	+09:00	11 30.262N	139 59.921E	2074	ST.4	217	0.9	254	0.6			1700
110525	442	+09:00	11 30.251N	139 59.901E	2064	ST.4	230	0.9	238	1.5			1700 CTD-CMS DEEPEST
110525	445	+09:00	11 30.243N	139 59.874E	2062	ST.4	230	0.9	263	1.3			1701
110525	450	+09:00	11 30.222N	139 59.819E	2035	ST.4	218	0.6	258	0.2			1701
110525	455	+09:00	11 30.239N	139 59.844E	2043	ST.4	218	0.5	96	1.3			1701
110525	500	+09:00	11 30.250N	139 59.872E	2054	ST.4	218	0.5	199	0.7			1701
110525	505	+09:00	11 30.234N	139 59.880E	2061	ST.4	218	0.6	70	0.7			1701
110525	506	+09:00	11 30.232N	139 59.888E	2071	ST.4	218	0.6	74	0.2			1701 CTD-CMS FINISHED
110525	510	+09:00	11 30.229N	139 59.903E	2069	ST.4	218	0.7	194	0.1			1701
110525	515	+09:00	11 30.220N	139 59.924E	2065	ST.4	218	0.3	108	0.6			1701
110525	519	+09:00	11 30.223N	139 59.950E	2077	ST.4	218	0.6	89	0.3			1701 SUNRISE & TURNED OFF REGULATION LIGHTS
110525	520	+09:00	11 30.222N	139 59.951E	2079	ST.4	218	0.6	12	1.3			1701
110525	525	+09:00	11 30.189N	139 59.954E	2053	ST.4	218	0.8	160	0.7			1701
110525	529	+09:00	11 30.161N	139 59.947E	2082	ST.4	218	0.8	159	0.6			1701 NORPAC NET STARTED
110525	530	+09:00	11 30.156N	139 59.946E	2076	ST.4	219	0.8	230	0.5			1701
110525	535	+09:00	11 30.132N	139 59.958E	2073	ST.4	218	0.4	48	0.2			1701
110525	540	+09:00	11 30.113N	139 59.980E	2094	ST.4	218	0.4	107	0.7			1701
110525	542	+09:00	11 30.108N	139 59.999E	2083	ST.4	218	0.2	122	0.9			1701 NORPAC NET FINISHED
110525	545	+09:00	11 30.101N	140 00.016E	2100	ST.4	218	0.5	68	0.7			1701
110525	550	+09:00	11 30.081N	140 00.044E	2100	ST.4	228	0.6	128	0.5			1701
110525	554	+09:00	11 30.087N	140 00.012E	2098	ST.4	261	1.5	268	1.3			1701 3M ORI NET STARTED
110525	555	+09:00	11 30.090N	139 59.990E	2090	ST.4	260	1.8	286	1.9			1701
110525	600	+09:00	11 30.091N	139 59.822E	2031	ST.4	261	2.2	281	1.8			1702
110525	605	+09:00	11 30.094N	139 59.658E	1936	ST.4	259	2.4	275	2.4	351	0.4	1702
110525	610	+09:00	11 30.089N	139 59.460E	1873	ST.4	260	2.5	268	1.9	8	0.4	1702
110525	615	+09:00	11 30.089N	139 59.282E	1852	ST.4	260	2.5	271	2.4	1	0.3	1702
110525	616	+09:00	11 30.088N	139 59.217E	1845	ST.4	260	2.4	273	2.5	9	0.4	1702 3M ORI NET DEEPEST
110525	620	+09:00	11 30.084N	139 59.092E	1821	ST.4	261	2	262	1.7			1702
110525	625	+09:00	11 30.093N	139 58.952E	1799	ST.4	261	1.7	297	1.4			1702

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110525	630	+09:00	11 30.100N	139 58.806E	1818	ST.4	260	2	290	1.7		1703	
110525	635	+09:00	11 30.105N	139 58.663E	1859	ST.4	260	2.1	280	2.1		1703	
110525	640	+09:00	11 30.107N	139 58.511E	1861	ST.4	261	1.8	297	1.8	276 5.1	1703	
110525	645	+09:00	11 30.114N	139 58.410E	1849	ST.4	259	1.2	271	0.9		1703	
110525	648	+09:00	11 30.116N	139 58.335E	1820	ST.4	259	1.8	280	1.5		1703	3M ORI NET FINISHED
110525	650	+09:00	11 30.118N	139 58.301E	1824		272	1.8	280	1.7		1703	
110525	655	+09:00	11 30.368N	139 58.324E	1867		16	4.1	16	4.6	80 0.5	1703	
110525	658	+09:00	11 30.549N	139 58.415E	1794		16	3.4	33	3.6	68 0.6	1704	CHANGED ENG'S TO T/M
110525	700	+09:00	11 30.659N	139 58.454E	6		10	5.6	14	6	58 0.7	1704	
110525	705	+09:00	11 31.329N	139 58.590E	1829		10	9.2	15	9.5	73 0.4	1704	
110525	710	+09:00	11 32.197N	139 58.760E	2039		8	11.7	10	11.7	84 0.3	1705	
110525	715	+09:00	11 33.301N	139 58.968E	2038		10	15.2	9	15.2	100 0.3	1706	
110525	717	+09:00	11 34.069N	139 59.116E	2074		11	16.3	12	16.2	85 0.5	1707	R/UP ENG'S
110525	720	+09:00	11 34.620N	139 59.227E	2194		10	15.5	12	16.2	84 0.5	1708	
110525	725	+09:00	11 35.939N	139 59.486E	2561		11	16.6	13	16.1	107 0.4	1709	
110525	730	+09:00	11 37.254N	139 59.717E	2720		6	16.5	5	16.1	92 0.4	1710	
110525	735	+09:00	11 38.578N	139 59.886E	2799		9	16.5	7	15.8	150 0.3	1712	
110525	740	+09:00	11 39.895N	140 00.058E	2869		1	16.9	2	16	155 0.6	1713	
110525	745	+09:00	11 41.234N	140 00.072E	2653		359	15.9	2	16.3	118 0.3	1714	
110525	750	+09:00	11 42.571N	140 00.039E	2410		356	16.3	359	15.9	112 0.3	1716	
110525	755	+09:00	11 43.894N	139 59.985E	2608		356	16.2	354	15.6	158 0.5	1717	
110525	800	+09:00	11 45.215N	139 59.919E	3216		356	16.8	355	15.6	172 0.7	1718	
110525	805	+09:00	11 46.544N	139 59.846E	3306		356	16.5	355	15.9	177 0.2	1720	
110525	810	+09:00	11 47.869N	139 59.788E	3391		356	16.6	0	16.4	154 0.6	1721	
110525	815	+09:00	11 49.193N	139 59.755E	3429		358	16.3	359	16	152 0.4	1722	
110525	820	+09:00	11 50.535N	139 59.774E	3449		1	16.8	0	16.2	124 0.4	1724	
110525	825	+09:00	11 51.865N	139 59.829E	3331		1	16.2	2	16.1	121 0.5	1725	
110525	830	+09:00	11 53.197N	139 59.871E	5		1	16.5	2	16	137 0.4	1726	
110525	835	+09:00	11 54.543N	139 59.902E	3400		1	16.6	2	16.4	147 0.4	1728	
110525	840	+09:00	11 55.884N	139 59.937E	3482		2	16.2	1	16	173 0.2	1729	
110525	845	+09:00	11 57.225N	139 59.950E	3580		1	16.6	3	16.3	183 0.2	1730	
110525	848	+09:00	11 58.270N	139 59.972E	3629		1	15.5	1	15.9	159 0.3	1731	S/B ENG'S
110525	850	+09:00	11 58.534N	139 59.976E	3646		1	13.8	0	12.9	170 0.6	1732	
110525	855	+09:00	11 59.355N	140 00.001E	3678		0	9.4	354	9.6	114 0.2	1733	
110525	900	+09:00	11 59.842N	139 59.999E	3694		1	4.2	3	4.2	203 0.1	1733	
110525	904	+09:00	11 59.997N	139 59.996E	3701		13	1.6	336	1.9		1733	CHANGED ENG'S TO E/M
110525	905	+09:00	12 00.019N	140 00.000E	3701		26	1.5	358	1.3		1733	
110525	907	+09:00	12 00.044N	140 00.020E	3701	ST.5	90	0.5	37	0.5		1733	CTD-CMS STARTED
110525	910	+09:00	12 00.064N	140 00.026E	3697	ST.5	90	0.6	35	0.9		1733	
110525	915	+09:00	12 00.106N	140 00.034E	3703	ST.5	91	0.3	65	0.4		1733	
110525	919	+09:00	12 00.145N	140 00.023E	3708	ST.5	99	0.1	330	0.6		1733	NORPAC NET STARTED
110525	920	+09:00	12 00.154N	140 00.019E	3703	ST.5	99	0.1	327	0.4		1733	
110525	925	+09:00	12 00.208N	139 59.982E	3706	ST.5	99	0.1	291	0.5		1733	
110525	927	+09:00	12 00.231N	139 59.968E	3705	ST.5	99	0.1	347	1.1		1733	CTD-CMS DEEPEST
110525	930	+09:00	12 00.261N	139 59.952E	3706	ST.5	98	0.1	0	1.3		1734	
110525	931	+09:00	12 00.280N	139 59.942E	3706	ST.5	98	0	357	1		1734	NORPAC NET FINISHED
110525	935	+09:00	12 00.318N	139 59.926E	3709	ST.5	108	0	347	1.1		1734	
110525	940	+09:00	12 00.364N	139 59.927E	3712	ST.5	149	0	330	0.5		1734	
110525	945	+09:00	12 00.395N	139 59.956E	3714	ST.5	159	0	277	1.6		1734	
110525	950	+09:00	12 00.455N	139 59.979E	3717	ST.5	168	0	30	1.2		1734	
110525	954	+09:00	12 00.488N	140 00.002E	3714	ST.5	169	0	350	1.3		1734	CTD-CMS FINISHED
110525	955	+09:00	12 00.491N	140 00.006E	3714	ST.5	168	0	67	0.7		1734	
110525	959	+09:00	12 00.460N	140 00.011E	3715	ST.5	189	1	181	1.4		1734	3M ORI NET STARTED
110525	1000	+09:00	12 00.450N	140 00.009E	3713	ST.5	190	1.1	162	1.6		1734	
110525	1005	+09:00	12 00.316N	139 59.996E	3708	ST.5	189	1.9	182	2.1	179 0.6	1734	
110525	1010	+09:00	12 00.098N	139 59.959E	3705	ST.5	190	2.5	177	2.5	200 0.2	1734	
110525	1015	+09:00	11 59.878N	139 59.876E	3694	ST.5	198	2.9	208	2.7	232 0.2	1735	
110525	1019	+09:00	11 59.693N	139 59.801E	3685	ST.5	201	2.6	205	3.1	245 0.1	1735	3M ORI NET DEEPEST
110525	1020	+09:00	11 59.676N	139 59.794E	3687	ST.5	200	2.5	208	2.5	253 0.1	1735	
110525	1025	+09:00	11 59.538N	139 59.746E	3687	ST.5	198	1.9	191	1.8		1735	
110525	1030	+09:00	11 59.385N	139 59.695E	3680	ST.5	198	1.8	196	2	202 1.1	1735	
110525	1035	+09:00	11 59.218N	139 59.635E	3686	ST.5	198	2.1	202	1.8	225 0.3	1735	
110525	1040	+09:00	11 59.051N	139 59.571E	3669	ST.5	199	2.1	195	2.4	223 0.4	1736	
110525	1045	+09:00	11 58.896N	139 59.515E	3645	ST.5	199	1.8	195	1.9	212 0.6	1736	
110525	1050	+09:00	11 58.786N	139 59.471E	3628	ST.5	199	0.9	194	2.4		1736	
110525	1050	+09:00	11 58.781N	139 59.469E	3633	ST.5	199	0.8	206	1.3		1736	3M ORI NET FINISHED
110525	1055	+09:00	11 58.741N	139 59.446E	3630		229	1.1	227	1.5		1736	
110525	1100	+09:00	11 58.804N	139 59.350E	3619		359	2	7	2.2	348 0.4	1736	
110525	1100	+09:00	11 58.806N	139 59.349E	3618		2	2	349	2.6	343 0.5	1736	CHANGED ENG'S TO T/M
110525	1102	+09:00	11 58.928N	139 59.369E	3627		11	4.2	17	4.6	353 0.3	1736	S/CO ON 000°
110525	1105	+09:00	11 59.179N	139 59.425E	3656		12	6.9	14	6.9	44 0.2	1737	
110525	1110	+09:00	11 59.853N	139 59.575E	3645		12	10.3	10	10.4	24 0.5	1737	
110525	1115	+09:00	12 00.791N	139 59.792E	3726		11	12.1	13	13	96 0.2	1738	
110525	1120	+09:00	12 01.957N	139 59.945E	3777		2	15.6	3	15.4	118 0.2	1740	
110525	1125	+09:00	12 03.288N	139 59.987E	3742		2	16.3	3	16.1	152 0.3	1741	
110525	1125	+09:00	12 03.466N	139 59.994E	3736		1	16.2	6	16.2	93 0.2	1741	R/UP ENG'S
110525	1130	+09:00	12 04.656N	140 00.035E	3647		1	16.2	4	16.5	117 0.2	1742	
110525	1135	+09:00	12 06.016N	140 00.089E	3399		1	16.2	359	16.1	116 0.5	1744	
110525	1140	+09:00	12 07.369N	140 00.131E	2941		0	15.9	4	16.7	129 0.5	1745	
110525	1145	+09:00	12 08.718N	140 00.138E	2152		357	16.6	358	15.8	99 0.3	1746	
110525	1150	+09:00	12 10.074N	140 00.085E	1955		356	15.6	356	16.3	75 0.3	1748	
110525	1155	+09:00	12 11.423N	140 00.056E	2452		358	16.8	359	16.6	126 0.4	1749	
110525	1200	+09:00	12 12.789N	140 00.032E	3266		0	16.5	358	16.2	165 0.2	1750	
110525	1205	+09:00	12 14.139N	140 00.004E	3796		359	16.1	4	16.3	110 0.1	1752	
110525	1210	+09:00	12 15.498N	139 59.971E	4018		358	16.5	1	16.5	177 0.4	1753	
110525	1215	+09:00	12 16.847N	139 59.940E	4138		358	16.3	359	15.8	184 0.2	1754	
110525	1220	+09:00	12 18.201N	139 59.919E	4099		360	16.2	356	16	186 0.2	1756	
110525	1225	+09:00	12 19.543N	139 59.899E	4203		359	16.2	357	16.1	203 0.2	1757	

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110525	1230	+09:00	12 20.888N	139 59.871E	4290		358	16.9	358	16.7	224	0.2	1758
110525	1235	+09:00	12 22.242N	139 59.859E	4313		1	16.5	1	16	185	0.1	1760
110525	1240	+09:00	12 23.582N	139 59.890E	4329		2	16.8	4	16.3	167	0.1	1761
110525	1245	+09:00	12 24.935N	139 59.913E	4323		2	16.3	4	16.2	171	0.2	1762
110525	1250	+09:00	12 26.302N	139 59.937E	4302		0	16.1	1	16.3	74	0	1764
110525	1255	+09:00	12 27.668N	139 59.965E	4206		2	16.8	1	16.4	322	0.1	1765
110525	1259	+09:00	12 28.914N	139 59.981E	4191		2	16.3	2	16.3	207	0.2	1766 S/B ENG'S USED ENG'S VAR'LY
110525	1259	+09:00	12 28.919N	139 59.982E	4191		2	16.1	5	16.4	207	0.2	1766 USED HELM VAR'LY
110525	1300	+09:00	12 29.035N	139 59.983E	4189		0	16.2	359	15.5	230	0.1	1767
110525	1305	+09:00	12 29.940N	139 59.976E	4167		1	5.7	344	6	247	0.3	1767
110525	1307	+09:00	12 30.067N	139 59.997E	4167		59	0.9	4	1.1			1767 STOPPED ENG'S
110525	1309	+09:00	12 30.082N	139 59.996E	4169		72	0.3	26	0.9			1768 CHANGED ENG'S TO E/M
110525	1310	+09:00	12 30.085N	139 59.995E	4170		73	0.3	354	0.6			1768
110525	1314	+09:00	12 30.127N	139 59.977E	4169	ST.6	60	0.5	8	0.8			1768 CTD-CMS STARTED
110525	1315	+09:00	12 30.135N	139 59.976E	4168	ST.6	60	0.6	324	0.7			1768
110525	1320	+09:00	12 30.183N	139 59.951E	4172	ST.6	59	0.2	284	0.5			1768
110525	1325	+09:00	12 30.222N	139 59.906E	4179	ST.6	59	0.1	299	0.6			1768
110525	1326	+09:00	12 30.232N	139 59.897E	4179	ST.6	59	0.2	357	1.2			1768 NORPAC NET STARTED
110525	1330	+09:00	12 30.266N	139 59.861E	4173	ST.6	59	0.1	317	1.3			1768
110525	1334	+09:00	12 30.307N	139 59.825E	4173	ST.6	60	0.2	346	1.7			1768 CTD-CMS DEEPEST
110525	1335	+09:00	12 30.313N	139 59.821E	4171	ST.6	60	0.2	315	0.7			1768
110525	1340	+09:00	12 30.360N	139 59.791E	4173	ST.6	60	0.2	349	1.1			1768
110525	1340	+09:00	12 30.366N	139 59.786E	4176	ST.6	60	0.2	335	0.7			1768 NORPAC NET FINISHED
110525	1345	+09:00	12 30.403N	139 59.754E	4178	ST.6	59	0.1	320	0.7			1768
110525	1350	+09:00	12 30.451N	139 59.719E	4190	ST.6	49	0.2	342	1			1768
110525	1355	+09:00	12 30.487N	139 59.670E	4207	ST.6	49	0.1	299	0.9			1768
110525	1400	+09:00	12 30.518N	139 59.622E	4203	ST.6	49	0	319	1.5			1768
110525	1400	+09:00	12 30.521N	139 59.619E	4206	ST.6	49	0.3	316	0.7			1768 CTD-CMS FINISHED
110525	1405	+09:00	12 30.547N	139 59.595E	4192	ST.6	122	0.1	222	0.7			1768
110525	1409	+09:00	12 30.529N	139 59.514E	4197	ST.6	240	1.8	269	2.2	308	12	1768 3M ORI NET STARTED
110525	1410	+09:00	12 30.522N	139 59.493E	4217	ST.6	239	1.9	258	2.1	283	0.8	1769
110525	1415	+09:00	12 30.455N	139 59.311E	4218	ST.6	239	2.4	251	2.7	311	0.4	1769
110525	1420	+09:00	12 30.366N	139 59.101E	4214	ST.6	239	2.4	234	2.5	297	0.4	1769
110525	1425	+09:00	12 30.280N	139 58.894E	4206	ST.6	240	2.5	248	2.5	285	0.4	1769
110525	1430	+09:00	12 30.199N	139 58.695E	4205	ST.6	240	2.2	247	2.2	302	0.4	1769
110525	1432	+09:00	12 30.155N	139 58.581E	4209	ST.6	239	2.4	250	3.3	287	0.6	1769 3M ORI NET DEEPEST
110525	1435	+09:00	12 30.116N	139 58.489E	4214	ST.6	238	1.9	250	2.4	288	0.5	1770
110525	1440	+09:00	12 30.063N	139 58.328E	4217	ST.6	242	1.5	255	1.7	260	3.2	1770
110525	1445	+09:00	12 29.996N	139 58.142E	4223	ST.6	239	2.2	242	2.5	285	0.6	1770
110525	1450	+09:00	12 29.928N	139 57.947E	4237	ST.6	242	1.9	260	2.2	295	0.6	1770
110525	1455	+09:00	12 29.866N	139 57.769E	4240	ST.6	239	1.8	256	3.1	285	0.6	1770
110525	1500	+09:00	12 29.793N	139 57.581E	4250	ST.6	240	1.8	247	1.9	289	0.5	1771
110525	1505	+09:00	12 29.723N	139 57.409E	4265	ST.6	239	2.1	251	2.5	279	0.7	1771
110525	1507	+09:00	12 29.693N	139 57.328E	4273	ST.6	239	1.4	239	1.7			1771 3M ORI NET FINISHED
110525	1510	+09:00	12 29.670N	139 57.259E	4276		226	1.1	244	1.8			1771
110525	1515	+09:00	12 29.659N	139 57.097E	4283		322	1.4	279	2.3	279	0.9	1771
110525	1518	+09:00	12 29.703N	139 57.052E	4283		7	0.7	309	1.4			1771 CHANGED ENG'S TO T/M
110525	1518	+09:00	12 29.704N	139 57.051E	4283		8	0.6	320	1.8			1771 SLOW AHEAD ENG'S
110525	1520	+09:00	12 29.751N	139 57.059E	4282		44	2.5	27	2.3	330	6.1	1771
110525	1521	+09:00	12 29.794N	139 57.088E	4276		41	4	39	3.7	310	0.5	1771 S/CO ON 000°
110525	1525	+09:00	12 30.079N	139 57.299E	4251		39	7.2	33	7.4	299	0.4	1772
110525	1530	+09:00	12 30.674N	139 57.766E	4221		40	11	37	11.5	331	0.3	1772
110525	1535	+09:00	12 31.482N	139 58.408E	4232		40	14.1	39	14	274	0.4	1773
110525	1540	+09:00	12 32.493N	139 59.184E	4202		31	15.9	30	15.4	261	0.3	1775
110525	1541	+09:00	12 32.763N	139 59.337E	4214		30	16.2	28	16.1	310	0.2	1775 R/UP ENG'S
110525	1545	+09:00	12 33.721N	139 59.736E	4170		20	16.1	21	16.2	273	0.3	1776
110525	1550	+09:00	12 35.062N	139 59.899E	4121		360	16.5	358	16.2	294	0.2	1777
110525	1555	+09:00	12 36.425N	139 59.881E	4237		0	15.6	360	16.3	232	0.1	1779
110525	1600	+09:00	12 37.771N	139 59.872E	4374		0	16.5	1	15.8	212	0.1	1780
110525	1605	+09:00	12 39.117N	139 59.900E	4509		2	16.1	3	16	218	0.3	1781
110525	1610	+09:00	12 40.457N	139 59.956E	4538		2	15.6	1	15.7	189	0.2	1783
110525	1615	+09:00	12 41.804N	140 00.016E	4576		3	15.8	2	16.3	215	0.1	1784
110525	1620	+09:00	12 43.153N	140 00.074E	4570		4	15.6	2	15.9	236	0.1	1785
110525	1625	+09:00	12 44.501N	140 00.105E	4406		359	16.8	1	16.1	221	0.3	1787
110525	1630	+09:00	12 45.842N	140 00.058E	4187		359	15.9	357	16	221	0.2	1788
110525	1635	+09:00	12 47.192N	140 00.023E	4004		2	16.2	3	16.6	268	0.2	1789
110525	1640	+09:00	12 48.545N	140 00.034E	3842		2	15.8	0	15.9	286	0.2	1791
110525	1645	+09:00	12 49.906N	140 00.031E	3750		0	16.8	1	15.9	240	0.2	1792
110525	1650	+09:00	12 51.265N	140 00.027E	6		360	16.1	0	16.5	285	0.3	1793
110525	1655	+09:00	12 52.637N	140 00.010E	5		1	16.3	2	16.5	275	0.4	1795
110525	1700	+09:00	12 53.987N	140 00.005E	3524		3	16.8	2	15.8	295	0.3	1796
110525	1705	+09:00	12 55.344N	140 00.003E	3709		1	16.9	0	16.5	290	0.4	1797
110525	1710	+09:00	12 56.706N	139 59.996E	4101		1	16.5	358	15.8	294	0.3	1799
110525	1715	+09:00	12 58.066N	139 59.988E	4502		360	16.3	359	16.4	296	0.4	1800
110525	1718	+09:00	12 58.906N	139 59.939E	4742		354	16.6	351	16.1	278	0.4	1801 S/B ENG'S & USED HELM VAR'LY
110525	1720	+09:00	12 59.367N	139 59.887E	4809		355	13.1	353	13.3	284	0.4	1802
110525	1725	+09:00	12 59.990N	139 59.853E	4840		76	2.3	52	1.6	289	1	1802
110525	1726	+09:00	13 00.004N	139 59.862E	4840		102	0.6	345	1.1			1802 STOPPED ENG'S
110525	1728	+09:00	13 00.019N	139 59.851E	4843		106	0.4	344	1.6			1802 CHANGED ENG'S TO E/M
110525	1730	+09:00	13 00.037N	139 59.838E	4842		89	0.4	266	0.5			1802
110525	1733	+09:00	13 00.065N	139 59.812E	4841	ST.7	91	0.1	333	2.4			1802 CTD-CMS STARTED
110525	1735	+09:00	13 00.086N	139 59.793E	4842	ST.7	90	0.1	321	0.8			1802
110525	1740	+09:00	13 00.140N	139 59.745E	4847	ST.7	90	0.1	342	1.1			1803
110525	1741	+09:00	13 00.160N	139 59.727E	4847	ST.7	90	0.2	288	0.9			1803 NORPAC NET STARTED
110525	1745	+09:00	13 00.195N	139 59.693E	4854	ST.7	90	0.2	305	0.7			1803
110525	1750	+09:00	13 00.250N	139 59.654E	4844	ST.7	90	0.5	291	0.6			1803
110525	1754	+09:00	13 00.303N	139 59.636E	4844	ST.7	90	0.5	288	0.5			1803 CTD-CMS DEEPEST
110525	1755	+09:00	13 00.303N	139 59.636E	4844	ST.7	90	0.5	270	0.6			1803



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110525	1755	+09:00	13 00.303N	139 59.636E	4844	ST.7	90	0.5	18	1.1		1803	NORPAC NET FINISHED
110525	1800	+09:00	13 00.353N	139 59.642E	4839	ST.7	90	0.8	153	0.8		1803	
110525	1801	+09:00	13 00.363N	139 59.642E	4845	ST.7	90	0.6	296	1.4	330 12	1803	SUNSET & PUT ON REGULATION LIGHTS
110525	1805	+09:00	13 00.401N	139 59.651E	4845	ST.7	90	0.8	346	1.3		1803	
110525	1810	+09:00	13 00.448N	139 59.642E	4844	ST.7	90	0.5	272	0.7		1803	
110525	1815	+09:00	13 00.498N	139 59.613E	4844	ST.7	90	0.4	310	0.8		1803	
110525	1816	+09:00	13 00.519N	139 59.604E	4843	ST.7	91	0.4	323	1		1803	CTD-CMS FINISHED
110525	1820	+09:00	13 00.550N	139 59.585E	4844	ST.7	110	0.6	22	0.5		1803	
110525	1824	+09:00	13 00.540N	139 59.659E	4846	ST.7	110	2.1	139	2.5	338 12	1803	3M ORI NET STARTED
110525	1825	+09:00	13 00.536N	139 59.675E	4847	ST.7	110	2.3	96	2.4		1803	
110525	1830	+09:00	13 00.485N	139 59.846E	4849	ST.7	110	2.2	145	2.3	96 0.8	1804	
110525	1835	+09:00	13 00.437N	140 00.007E	4845	ST.7	110	2.5	86	2.1	49 0.2	1804	
110525	1840	+09:00	13 00.391N	140 00.173E	4777	ST.7	112	2.4	143	2.5	0 0.1	1804	
110525	1845	+09:00	13 00.339N	140 00.333E	4723	ST.7	109	2.5	100	1.7	106 1.4	1804	
110525	1850	+09:00	13 00.280N	140 00.485E	4740	ST.7	109	2.5	114	2	122 2.2	1804	
110525	1851	+09:00	13 00.268N	140 00.526E	4733	ST.7	108	2.4	110	2.3	346 0.1	1804	3M ORI NET DEEPEST
110525	1855	+09:00	13 00.236N	140 00.627E	4778	ST.7	110	1.9	130	1.9		1804	
110525	1900	+09:00	13 00.197N	140 00.747E	4791	ST.7	110	1.8	104	1.6		1805	
110525	1905	+09:00	13 00.149N	140 00.871E	4803	ST.7	108	2	123	1.8		1805	
110525	1910	+09:00	13 00.108N	140 00.998E	4794	ST.7	110	1.8	97	1.9	108 6.1	1805	
110525	1915	+09:00	13 00.070N	140 01.117E	4817	ST.7	110	1.9	115	1.3		1805	
110525	1920	+09:00	13 00.036N	140 01.238E	4787	ST.7	110	2.3	74	2.7	106 3.7	1805	
110525	1923	+09:00	13 00.002N	140 01.338E	4786	ST.7	110	2.1	113	1.8		1805	3M ORI NET FINISHED
110525	1925	+09:00	12 59.989N	140 01.384E	4783		108	1.9	139	2		1805	
110525	1930	+09:00	13 00.009N	140 01.578E	4777		19	3.5	16	3.6	261 0.4	1806	
110525	1934	+09:00	13 00.270N	140 01.538E	4791		357	3.6	2	4.1	296 0.7	1806	CHANGED ENG'S TO T/M
110525	1935	+09:00	13 00.299N	140 01.532E	4788		356	4.2	339	5.6	301 0.7	1806	
110525	1940	+09:00	13 00.868N	140 01.413E	4854		350	8.2	345	8.9	305 0.8	1806	
110525	1945	+09:00	13 01.711N	140 01.220E	4850		349	11.3	344	11.9	318 0.6	1807	
110525	1950	+09:00	13 02.803N	140 00.984E	4866		349	15.6	349	15.8	310 0.7	1808	
110525	1951	+09:00	13 03.217N	140 00.900E	4868		350	16.2	350	16	310 0.6	1809	R/UP ENG'S & S/CO ON 000°
110525	1955	+09:00	13 04.141N	140 00.716E	4876		349	16.8	349	16.8	311 0.5	1810	
110525	2000	+09:00	13 05.500N	140 00.447E	4876		350	16.5	351	16.8	330 0.4	1811	
110525	2005	+09:00	13 06.858N	140 00.234E	4871		355	15.8	354	16.3	359 0.2	1812	
110525	2010	+09:00	13 08.229N	140 00.156E	4859		1	16.1	0	16.1	335 0.2	1814	
110525	2015	+09:00	13 09.604N	140 00.140E	4823		0	16.6	1	16.9	318 0.4	1815	
110525	2020	+09:00	13 10.989N	140 00.123E	4768		360	16.6	4	16.6	320 0.6	1817	
110525	2025	+09:00	13 12.375N	140 00.113E	4733		360	16.1	1	16.8	336 0.6	1818	
110525	2030	+09:00	13 13.769N	140 00.077E	4615		0	16.1	2	16.7	298 0.3	1819	
110525	2035	+09:00	13 15.161N	140 00.043E	4620		359	16.2	358	16.8	310 0.7	1821	
110525	2040	+09:00	13 16.546N	140 00.010E	4704		0	16.5	356	16.6	318 0.6	1822	
110525	2045	+09:00	13 17.931N	139 59.965E	4619		1	16.8	357	16.6	330 0.5	1824	
110525	2050	+09:00	13 19.315N	139 59.933E	4555		359	16.6	2	16.7	333 0.4	1825	
110525	2055	+09:00	13 20.707N	139 59.927E	4762		1	16.5	359	16.4	4 0.3	1826	
110525	2100	+09:00	13 22.102N	139 59.926E	4614		359	16.2	360	17.5	355 0.4	1828	
110525	2104	+09:00	13 23.454N	139 59.913E	4522		0	16.6	359	16.7	342 0.8	1829	CLEARED OUT EEZ OF MICRONESIA
110525	2105	+09:00	13 23.505N	139 59.913E	4512		360	16.2	358	17.1	344 0.7	1829	
110525	2110	+09:00	13 24.909N	139 59.902E	4428		358	16.1	1	16.9	344 0.5	1830	
110525	2115	+09:00	13 26.293N	139 59.888E	4627		1	16.8	2	16.7	346 0.5	1832	
110525	2120	+09:00	13 27.689N	139 59.875E	4885		0	15.9	359	16.8	343 0.4	1833	
110525	2123	+09:00	13 28.588N	139 59.864E	4809		360	15.5	359	15.8	337 0.5	1834	S/B ENG'S
110525	2125	+09:00	13 29.028N	139 59.860E	4708		0	13.2	2	13.1	335 0.3	1835	
110525	2130	+09:00	13 29.731N	139 59.883E	4859		35	4.5	34	4.7	325 0.3	1835	
110525	2134	+09:00	13 29.856N	140 00.046E	4887		106	1.3	35	1.6		1836	CHANGED ENG'S TO E/M
110525	2135	+09:00	13 29.857N	140 00.052E	4888		109	1.2	74	1.2		1836	
110525	2137	+09:00	13 29.866N	140 00.069E	4897	ST.8	110	0.5	116	0.4		1836	CTD-CMS STARTED
110525	2140	+09:00	13 29.881N	140 00.085E	4889	ST.8	111	0.5	129	1.1		1836	
110525	2145	+09:00	13 29.919N	140 00.081E	4889	ST.8	110	0.4	344	0.9		1836	
110525	2148	+09:00	13 29.951N	140 00.072E	4889	ST.8	100	0.1	324	0.2		1836	NORPAC NET STARTED
110525	2150	+09:00	13 29.968N	140 00.072E	4887	ST.8	100	0.5	264	0.6		1836	
110525	2155	+09:00	13 30.029N	140 00.051E	4886	ST.8	100	0.2	353	0.6		1836	
110525	2200	+09:00	13 30.073N	140 00.063E	4892	ST.8	102	0.5	17	1.8		1836	
110525	2201	+09:00	13 30.083N	140 00.070E	4890	ST.8	100	0.6	31	0.7		1836	NORPAC NET FINISHED
110525	2201	+09:00	13 30.086N	140 00.071E	4890	ST.8	100	0.6	338	1.5	12 12	1836	CTD-CMS DEEPEST
110525	2205	+09:00	13 30.111N	140 00.066E	4892	ST.8	110	0.4	5	1.3		1836	
110525	2210	+09:00	13 30.161N	140 00.041E	4894	ST.8	110	0.1	247	0.7		1836	
110525	2215	+09:00	13 30.196N	140 00.028E	4890	ST.8	109	0.1	257	0.4		1836	
110525	2220	+09:00	13 30.232N	140 00.035E	4889	ST.8	110	0.3	39	1.5		1836	
110525	2224	+09:00	13 30.268N	140 00.023E	4889	ST.8	109	0.5	311	0.4		1836	CTD-CMS FINISHED
110525	2225	+09:00	13 30.275N	140 00.021E	4890	ST.8	110	0.5	322	1		1836	
110525	2230	+09:00	13 30.279N	140 00.061E	4890	ST.8	130	1.1	184	1.6		1836	
110525	2231	+09:00	13 30.261N	140 00.084E	4890	ST.8	130	1.3	139	1.1		1836	3M ORI NET STARTED
110525	2235	+09:00	13 30.232N	140 00.134E	4888	ST.8	130	1.6	97	1.9	111 1.5	1837	
110525	2240	+09:00	13 30.132N	140 00.266E	4893	ST.8	130	2.3	124	2.8	266 0.1	1837	
110525	2245	+09:00	13 30.026N	140 00.428E	4890	ST.8	130	2.4	128	2.4	355 0.4	1837	
110525	2248	+09:00	13 29.965N	140 00.526E	4890	ST.8	129	2.1	94	2.2	358 0.7	1837	3M ORI NET DEEPEST
110525	2250	+09:00	13 29.930N	140 00.578E	4891	ST.8	130	2.4	113	2.2	84 0.4	1837	
110525	2255	+09:00	13 29.836N	140 00.727E	4885	ST.8	129	2.3	111	1.9		1837	
110525	2300	+09:00	13 29.762N	140 00.855E	4888	ST.8	130	2.1	150	2.1	118 3.8	1837	
110525	2305	+09:00	13 29.689N	140 00.981E	4885	ST.8	130	2	138	2	117 5.4	1838	
110525	2310	+09:00	13 29.619N	140 01.108E	4888	ST.8	127	2	128	2.6	114 4.1	1838	
110525	2315	+09:00	13 29.545N	140 01.256E	4886	ST.8	126	2.2	114	2.6	63 0.3	1838	
110525	2320	+09:00	13 29.474N	140 01.393E	4887	ST.8	127	1.8	150	2.2		1838	
110525	2325	+09:00	13 29.420N	140 01.508E	4886	ST.8	127	1.8	127	1.6		1838	
110525	2330	+09:00	13 29.362N	140 01.624E	4888	ST.8	126	1.9	127	2.4		1838	
110525	2335	+09:00	13 29.328N	140 01.753E	4890	ST.8	109	1.9	89	1.8		1839	
110525	2340	+09:00	13 29.321N	140 01.880E	4889	ST.8	110	1.3	97	1.4		1839	
110525	2345	+09:00	13 29.323N	140 01.989E	4889	ST.8	110	1.6	85	1.8		1839	

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110525	2346	+09:00	13 29.323N	140 02.026E	4887	ST.8	106	1.6	58	1.9		1839	3M ORI NET FINISHED
110525	2350	+09:00	13 29.400N	140 02.088E	4888		6	1.9	353	3	345	0.7	1839
110525	2354	+09:00	13 29.557N	140 01.990E	4892		325	2.3	345	3.6	325	0.9	1839 CHANGED ENG'S TO T/M
110525	2355	+09:00	13 29.563N	140 01.984E	4890		327	2.3	339	3.3	319	1	1839
110526	0	+09:00	13 30.075N	140 01.801E	4892		342	8.7	344	9.2	341	0.8	1840
110526	0	+09:00	13 30.086N	140 01.798E	4892		342	8.5	338	9.8	342	0.8	1840 S/CO ON 000°
110526	5	+09:00	13 30.894N	140 01.510E	4905		340	11.8	343	12.3	340	0.7	1841
110526	10	+09:00	13 31.944N	140 01.128E	4927		341	15	340	15.4	328	0.6	1842
110526	15	+09:00	13 33.280N	140 00.771E	4930		351	16.6	350	16.9	297	0.3	1843
110526	15	+09:00	13 33.289N	140 00.770E	4930		351	16.5	352	16.8	297	0.3	1843 R/UP ENG'S
110526	20	+09:00	13 34.655N	140 00.537E	4895		352	16.3	352	16.4	351	0.3	1845
110526	25	+09:00	13 36.037N	140 00.339E	4899		356	16.1	359	16.4	316	0.4	1846
110526	30	+09:00	13 37.424N	140 00.243E	4901		359	16.9	357	16.6	347	0.4	1847
110526	35	+09:00	13 38.817N	140 00.203E	4904		359	16.3	358	16.7	4	0.3	1849
110526	40	+09:00	13 40.209N	140 00.167E	4909		358	16.8	359	16.6	351	0.5	1850
110526	45	+09:00	13 41.605N	140 00.133E	4909		360	16.8	357	16	0	0.4	1852
110526	50	+09:00	13 42.994N	140 00.099E	4915		359	15.4	359	16.4	96	0.3	1853
110526	55	+09:00	13 44.381N	140 00.066E	4912		357	16.3	0	17.1	3	0.5	1854
110526	100	+09:00	13 45.763N	140 00.050E	4918		359	15.9	1	16.4	43	0.2	1856
110526	105	+09:00	13 47.134N	140 00.050E	4922		358	16.3	359	16.9	26	0.6	1857
110526	110	+09:00	13 48.514N	140 00.062E	4925		1	16.3	4	16.2	54	0.4	1858
110526	115	+09:00	13 49.893N	140 00.081E	4926		358	16.8	1	17.1	43	0.6	1860
110526	120	+09:00	13 51.270N	140 00.092E	4928		360	16.5	0	16.3	48	0.5	1861
110526	125	+09:00	13 52.648N	140 00.116E	4928		358	16.1	2	16.8	59	0.5	1863
110526	130	+09:00	13 54.013N	140 00.137E	4912		0	16.1	0	16.4	66	0.5	1864
110526	135	+09:00	13 55.375N	140 00.142E	4846		357	16.1	0	16.6	83	0.5	1865
110526	140	+09:00	13 56.727N	140 00.095E	4922		356	16.5	357	16.3	62	0.5	1867
110526	145	+09:00	13 58.076N	140 00.027E	5006		356	16.2	358	16.4	190	0.2	1868
110526	148	+09:00	13 58.978N	139 59.979E	5002		357	16.1	358	15.7	120	0.2	1869 S/B ENG'S USED ENG'S VAR'LY
110526	148	+09:00	13 58.983N	139 59.979E	5002		357	15.8	358	15.2	120	0.2	1869 USED HELM VAR'LY
110526	150	+09:00	13 59.373N	139 59.959E	5002		355	14.1	356	13	146	0.5	1869
110526	155	+09:00	14 00.086N	139 59.997E	5002		65	3.9	69	3.7	239	0.7	1870
110526	157	+09:00	14 00.099N	140 00.063E	5004		106	1.1	172	1.3			1870 STOPPED ENG'S
110526	159	+09:00	14 00.102N	140 00.072E	5005		105	0.2	197	0.3			1870 CHANGED ENG'S TO E/M
110526	200	+09:00	14 00.102N	140 00.072E	5003		104	0.2	26	0.4			1870
110526	202	+09:00	14 00.105N	140 00.070E	5002	ST.9	89	0.1	354	0.5			1870 CTD-CMS STARTED
110526	205	+09:00	14 00.106N	140 00.057E	5002	ST.9	89	0.1	330	1			1870
110526	210	+09:00	14 00.115N	140 00.037E	5003	ST.9	89	0.1	214	0.5			1870
110526	213	+09:00	14 00.120N	140 00.035E	4999	ST.9	89	0.2	332	1.4			1870 NORPAC NET STARTED
110526	215	+09:00	14 00.125N	140 00.036E	5001	ST.9	89	0.1	182	0.8			1870
110526	220	+09:00	14 00.138N	140 00.050E	5003	ST.9	89	0.3	229	0.6			1870
110526	222	+09:00	14 00.144N	140 00.049E	5005	ST.9	89	0.1	49	0.2			1870 CTD-CMS DEEPEST
110526	225	+09:00	14 00.147N	140 00.055E	5002	ST.9	89	0.4	355	0.7			1870
110526	230	+09:00	14 00.159N	140 00.049E	5003	ST.9	89	0.1	133	1.2			1870
110526	231	+09:00	14 00.161N	140 00.051E	5007	ST.9	89	0.2	133	0.4			1870 NORPAC NET FINISHED
110526	235	+09:00	14 00.168N	140 00.063E	5001	ST.9	89	0.2	90	0.6			1870
110526	240	+09:00	14 00.177N	140 00.054E	5002	ST.9	89	0.1	8	0.5			1871
110526	245	+09:00	14 00.189N	140 00.062E	5002	ST.9	89	0.1	170	0.4			1871
110526	246	+09:00	14 00.193N	140 00.063E	5005	ST.9	89	0.2	34	0.4			1871 CTD-CMS FINISHED
110526	250	+09:00	14 00.203N	140 00.071E	5005	ST.9	88	0.1	134	1.6			1871
110526	255	+09:00	14 00.219N	140 00.095E	5003	ST.9	102	0.7	130	1			1871
110526	256	+09:00	14 00.196N	140 00.125E	5008	ST.9	126	1.2	97	1.4			1871
110526	256	+09:00	14 00.196N	140 00.125E	5008	ST.9	126	1.2	132	1.1			1871 3M ORI NET STARTED
110526	300	+09:00	14 00.135N	140 00.197E	5003	ST.9	126	1.8	107	2.3	135	7.5	1871
110526	305	+09:00	13 59.989N	140 00.352E	5006	ST.9	125	2.6	124	3.3	166	0.6	1871
110526	310	+09:00	13 59.820N	140 00.546E	5005	ST.9	123	2.6	146	3.4	169	0.8	1871
110526	314	+09:00	13 59.668N	140 00.731E	5004	ST.9	124	2.2	138	2.9	136	0.6	1872 3M ORI NET DEEPEST
110526	315	+09:00	13 59.657N	140 00.737E	5001	ST.9	125	2.2	152	3.1	214	0.5	1872
110526	320	+09:00	13 59.539N	140 00.867E	4998	ST.9	125	1.6	146	2.2	143	0.9	1872
110526	325	+09:00	13 59.410N	140 01.006E	4974	ST.9	124	2.1	121	2.7	169	0.8	1872
110526	330	+09:00	13 59.273N	140 01.158E	4961	ST.9	125	1.8	138	2.2	182	0.8	1872
110526	335	+09:00	13 59.147N	140 01.298E	4960	ST.9	125	2.1	118	2.4	187	0.5	1872
110526	340	+09:00	13 59.027N	140 01.435E	4954	ST.9	126	1.8	109	2.1	154	0.7	1873
110526	345	+09:00	13 58.896N	140 01.583E	4956	ST.9	124	2.1	136	2.5	182	0.3	1873
110526	350	+09:00	13 58.768N	140 01.729E	4953	ST.9	126	2.1	128	2.3	168	0.4	1873
110526	355	+09:00	13 58.638N	140 01.866E	4947	ST.9	123	1.8	141	2	184	0.3	1873
110526	400	+09:00	13 58.513N	140 02.005E	4941	ST.9	124	1.9	124	2.5	185	0.5	1874
110526	405	+09:00	13 58.391N	140 02.148E	4941	ST.9	124	1.8	128	2.1	157	0.5	1874
110526	410	+09:00	13 58.273N	140 02.274E	4935	ST.9	126	2.1	140	2.2	186	0.5	1874
110526	411	+09:00	13 58.226N	140 02.329E	4937	ST.9	125	2.1	102	2.5	171	0.4	1874 3M ORI NET FINISHED
110526	415	+09:00	13 58.181N	140 02.455E	4940		63	2.5	75	2.5	139	0.4	1874
110526	420	+09:00	13 58.447N	140 02.470E	4938		353	4.1	351	4.3	208	0.4	1874
110526	423	+09:00	13 58.634N	140 02.441E	4941		349	3.4	350	3.5	303	0.2	1875 CHANGED ENG'S TO T/M
110526	425	+09:00	13 58.711N	140 02.420E	4939		351	4.5	335	4.9	269	0.3	1875
110526	430	+09:00	13 59.213N	140 02.308E	4943		350	8.3	357	7.8	261	0.5	1875
110526	435	+09:00	14 00.032N	140 02.147E	4951		349	11.5	346	11.2	249	0.2	1876
110526	440	+09:00	14 01.094N	140 01.944E	4957		350	14.7	347	14.7	258	0.1	1877
110526	444	+09:00	14 02.144N	140 01.739E	5012		350	16.2	350	16	227	0.4	1878 R/UP ENG'S & S/CO ON 000°
110526	445	+09:00	14 02.372N	140 01.691E	5012		351	16.8	348	15.8	262	0.3	1878
110526	450	+09:00	14 03.682N	140 01.434E	4999		349	16.6	347	16.3	218	0.5	1880
110526	455	+09:00	14 04.998N	140 01.167E	4996		350	16.3	349	15.8	234	0.4	1881
110526	500	+09:00	14 06.317N	140 00.904E	4996		350	16.2	348	16.3	236	0.4	1883
110526	505	+09:00	14 07.642N	140 00.633E	4993		350	16.3	350	16.5	250	0.4	1884
110526	510	+09:00	14 08.973N	140 00.364E	4908		350	16.2	348	16.5	252	0.6	1885
110526	511	+09:00	14 09.398N	140 00.304E	4898		356	16.3	353	16.1	285	0.7	1885 SUNRISE & TURNED OFF REGULATION LIGHTS
110526	515	+09:00	14 10.310N	140 00.190E	4913		355	16.3	356	16.3	260	0.9	1887
110526	520	+09:00	14 11.665N	140 00.028E	4974		1	16.5	358	16	284	0.6	1888
110526	525	+09:00	14 13.016N	140 00.005E	4979		4	16.2	2	15.9	261	1.2	1889



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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110526	530	+09:00	14 14.349N	140 00.022E	4922		3	16.2	4	15.4	230	0.8	1890
110526	535	+09:00	14 15.686N	140 00.041E	4897		2	16.6	359	16.1	241	0.7	1892
110526	540	+09:00	14 17.020N	140 00.063E	4922		0	16.9	359	15.3	222	0.6	1893
110526	545	+09:00	14 18.354N	140 00.012E	4893		359	15.8	354	16.3	253	0.6	1894
110526	550	+09:00	14 19.694N	139 59.964E	4863		1	16.5	358	15.9	234	0.5	1896
110526	555	+09:00	14 21.034N	139 59.923E	4869		360	16.5	358	16	239	0.6	1897
110526	600	+09:00	14 22.372N	139 59.876E	4925		0	16.3	358	15.9	256	0.6	1898
110526	605	+09:00	14 23.715N	139 59.848E	4930		3	16.3	3	15.9	275	0.5	1900
110526	610	+09:00	14 25.057N	139 59.857E	4938		2	16.5	360	16.1	237	0.6	1901
110526	615	+09:00	14 26.389N	139 59.859E	4930		2	15.8	355	16	249	0.6	1902
110526	620	+09:00	14 27.720N	139 59.852E	4907		4	16.3	0	16	240	0.8	1904
110526	623	+09:00	14 28.690N	139 59.861E	4901		3	16.5	358	15.6	246	0.7	1905 S/B ENG'S & USED HELM VAR'LY
110526	625	+09:00	14 29.021N	139 59.862E	4901		2	13.4	357	13.3	220	1	1905
110526	630	+09:00	14 29.824N	139 59.888E	4901		30	7.5	24	8	307	0.7	1906
110526	634	+09:00	14 29.915N	140 00.127E	4901		110	0.9	245	0.6			1906 STOPPED ENG'S
110526	635	+09:00	14 29.914N	140 00.111E	4901	ST.10	109	0.9	188	0.9			1906
110526	636	+09:00	14 29.904N	140 00.119E	4901		103	0.2	242	0.3			1906 CHANGED ENG'S TO E/M
110526	640	+09:00	14 29.895N	140 00.113E	4901		89	0.7	206	0.9			1906
110526	640	+09:00	14 29.894N	140 00.111E	4901	ST.10	90	0.6	192	0.9			1906 CTD-CMS STARTED
110526	645	+09:00	14 29.893N	140 00.101E	4901	ST.10	90	0.8	216	0.4			1906
110526	650	+09:00	14 29.891N	140 00.073E	4901	ST.10	90	0.4	282	2			1906
110526	655	+09:00	14 29.895N	140 00.006E	4901	ST.10	60	0.1	277	1			1907
110526	655	+09:00	14 29.895N	140 00.004E	4901	ST.10	60	0.1	260	0.8			1907 NORPAC NET STARTED
110526	700	+09:00	14 29.914N	139 59.948E	4901	ST.10	60	0.7	292	0.8			1907
110526	704	+09:00	14 29.934N	139 59.899E	4901	ST.10	60	0.5	275	1.4			1907 CTD-CMS DEEPEST
110526	705	+09:00	14 29.934N	139 59.893E	4901	ST.10	60	0.3	256	0.9			1907
110526	706	+09:00	14 29.937N	139 59.875E	4901	ST.10	59	0.4	208	0.5			1907 NORPAC NET FINISHED
110526	710	+09:00	14 29.952N	139 59.836E	4901	ST.10	60	0.6	299	0.8			1907
110526	715	+09:00	14 29.961N	139 59.763E	4901	ST.10	59	0.1	273	0.9			1907
110526	720	+09:00	14 29.964N	139 59.674E	4901	ST.10	59	0.1	258	0.8			1907
110526	725	+09:00	14 29.970N	139 59.585E	0	ST.10	59	0.4	287	1.2			1907
110526	729	+09:00	14 29.988N	139 59.537E	1723	ST.10	60	0.7	323	1			1907 CTD-CMS FINISHED
110526	730	+09:00	14 29.992N	139 59.528E	1832	ST.10	60	0.8	280	0.7			1907
110526	735	+09:00	14 30.012N	139 59.534E	6	ST.10	80	1.8	37	1.1			1907
110526	737	+09:00	14 30.018N	139 59.585E	5	ST.10	80	2.2	105	1.6			1907 3M ORI NET STARTED
110526	740	+09:00	14 30.028N	139 59.655E	4894	ST.10	79	2	94	1.4			1907
110526	745	+09:00	14 30.043N	139 59.764E	4888	ST.10	79	2.3	77	1.8			1907
110526	750	+09:00	14 30.075N	139 59.923E	4890	ST.10	80	2.6	97	2			1908
110526	755	+09:00	14 30.105N	140 00.084E	4891	ST.10	78	2.2	62	2.1			1908
110526	800	+09:00	14 30.138N	140 00.225E	4891	ST.10	80	2.3	96	1.5			1908
110526	801	+09:00	14 30.152N	140 00.273E	4890	ST.10	80	2.2	82	1.6			1908 3M ORI NET DEEPEST
110526	805	+09:00	14 30.165N	140 00.338E	4888	ST.10	78	1.9	44	1.6			1908
110526	810	+09:00	14 30.195N	140 00.424E	4891	ST.10	80	2.1	107	1.5			1908
110526	815	+09:00	14 30.221N	140 00.518E	4891	ST.10	80	2	66	1.3			1908
110526	820	+09:00	14 30.256N	140 00.612E	4892	ST.10	78	1.9	75	2.1			1908
110526	825	+09:00	14 30.293N	140 00.698E	4894	ST.10	81	2.1	38	1.5	69	12	1909
110526	830	+09:00	14 30.322N	140 00.743E	4895	ST.10	80	1.2	5	0.5			1909
110526	834	+09:00	14 30.351N	140 00.744E	4893	ST.10	80	1	328	1			1909 3M ORI NET FINISHED
110526	835	+09:00	14 30.354N	140 00.743E	4893		81	1.1	339	0.4			1909
110526	839	+09:00	14 30.453N	140 00.708E	4890		343	3.1	351	3.2	266	1	1909 S/C O ON 000°
110526	840	+09:00	14 30.503N	140 00.678E	4890		348	3.2	333	3.9	276	1.1	1909
110526	844	+09:00	14 30.673N	140 00.556E	4894		0	1.3	318	2.3	295	2.1	1909 CHANGED ENG'S TO T/M
110526	845	+09:00	14 30.684N	140 00.549E	4893		358	1.6	309	2.6	300	2.4	1909
110526	850	+09:00	14 31.086N	140 00.361E	4892		346	7.1	336	7.6	278	1	1909
110526	855	+09:00	14 31.840N	140 00.100E	4886		349	10.8	342	11.9	283	0.8	1910
110526	900	+09:00	14 32.937N	139 59.928E	4895		1	14.8	358	14.6	278	0.6	1911
110526	905	+09:00	14 34.175N	139 59.898E	4886		2	16.8	1	16.3	269	0.7	1913
110526	906	+09:00	14 34.497N	139 59.897E	4887		1	16.3	357	16.1	249	0.8	1913 R/UP ENG'S
110526	910	+09:00	14 35.521N	139 59.899E	4896		3	16.6	0	16.4	264	0.7	1914
110526	915	+09:00	14 36.864N	139 59.932E	4899		4	15.9	3	16.3	267	0.5	1915
110526	920	+09:00	14 38.213N	139 59.969E	4910		4	16.3	4	16.1	268	0.6	1917
110526	925	+09:00	14 39.562N	140 00.003E	4911		4	15.9	3	16.5	259	0.5	1918
110526	930	+09:00	14 40.923N	140 00.018E	4635		2	16.1	0	16.3	274	0.5	1919
110526	935	+09:00	14 42.289N	140 00.026E	4626		1	16.3	357	16.7	303	0.7	1921
110526	940	+09:00	14 43.647N	140 00.028E	4598		2	16.2	358	16.2	259	0.7	1922
110526	945	+09:00	14 45.011N	140 00.020E	4637		3	16.5	358	16.7	274	0.8	1923
110526	950	+09:00	14 46.379N	140 00.009E	4482		3	16.5	1	16.1	290	0.7	1925
110526	955	+09:00	14 47.743N	140 00.005E	4305		3	16.2	3	16.3	278	0.7	1926
110526	1000	+09:00	14 49.115N	140 00.003E	4508		3	15.8	358	16.3	294	0.6	1927
110526	1005	+09:00	14 50.476N	140 00.005E	4771		2	16.2	2	16.1	277	0.6	1929
110526	1010	+09:00	14 51.836N	140 00.014E	4950		2	16.3	0	16.5	284	0.5	1930
110526	1015	+09:00	14 53.204N	140 00.021E	4921		3	16.8	359	16.6	305	0.5	1932
110526	1020	+09:00	14 54.563N	140 00.038E	4921		2	16.2	1	16.2	249	0.4	1933
110526	1025	+09:00	14 55.917N	140 00.061E	4924		2	15.6	1	16	264	0.3	1934
110526	1030	+09:00	14 57.274N	140 00.078E	4921		0	16.3	0	17	314	0.6	1936
110526	1034	+09:00	14 58.443N	140 00.070E	4877		360	16.1	2	16.6	313	0.4	1937 S/B ENG'S
110526	1035	+09:00	14 58.637N	140 00.069E	4875		1	15	2	14.6	317	0.4	1937
110526	1040	+09:00	14 59.580N	140 00.062E	4890		3	7.1	2	7.7	308	0.2	1938
110526	1045	+09:00	14 59.941N	140 00.072E	4917		42	1.3	29	2.5			1938
110526	1046	+09:00	14 59.970N	140 00.071E	4915		60	0.9	342	1.5			1938 CHANGED ENG'S TO E/M
110526	1049	+09:00	15 00.003N	140 00.067E	4923	ST.11	90	0.6	133	1.2	350	5.7	1938 CTD-CMS STARTED
110526	1050	+09:00	15 00.014N	140 00.064E	4926	ST.11	88	0.4	356	0.8			1938
110526	1055	+09:00	15 00.063N	140 00.053E	4923	ST.11	89	0.4	4	1			1939
110526	1058	+09:00	15 00.098N	140 00.043E	4932	ST.11	90	0.2	333	0.5			1939 NORPAC NET STARTED
110526	1100	+09:00	15 00.118N	140 00.038E	4930	ST.11	90	0.5	357	0.9			1939
110526	1105	+09:00	15 00.175N	140 00.016E	4933	ST.11	89	0.2	3	1.6			1939
110526	1110	+09:00	15 00.230N	139 59.992E	4940	ST.11	89	0.2	327	0.6			1939
110526	1110	+09:00	15 00.230N	139 59.992E	4940	ST.11	89	0.2	327	0.6			1939 NORPAC NET FINISHED

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110526	1110	+09:00	15 00.238N	139 59.987E	4936	ST.11	99	0.2	310	1.6			1939 CTD-CMS DEEPEST
110526	1115	+09:00	15 00.276N	139 59.961E	4941	ST.11	110	0.1	8	1.3			1939
110526	1120	+09:00	15 00.306N	139 59.966E	4939	ST.11	100	0.2	284	0.7			1939
110526	1125	+09:00	15 00.350N	139 59.953E	4942	ST.11	89	0.3	348	1.1			1939
110526	1130	+09:00	15 00.406N	139 59.936E	4951	ST.11	90	0.5	346	0.9			1939
110526	1131	+09:00	15 00.420N	139 59.931E	4948	ST.11	90	0.5	339	1.2			1939 CTD-CMS FINISHED
110526	1135	+09:00	15 00.459N	139 59.918E	4950	ST.11	89	0.6	79	0.8			1939
110526	1137	+09:00	15 00.479N	139 59.937E	4953	ST.11	90	0.9	75	0.8			1939 3M ORI NET STARTED
110526	1140	+09:00	15 00.500N	139 59.979E	4947	ST.11	90	1.5	117	1.7			1939
110526	1145	+09:00	15 00.506N	140 00.139E	4951	ST.11	108	2.6	116	2.1	4	0.1	1939
110526	1150	+09:00	15 00.477N	140 00.331E	4945	ST.11	96	2.6	114	2.3	314	0.3	1940
110526	1155	+09:00	15 00.473N	140 00.526E	4942	ST.11	101	2.5	108	2.6	305	0.3	1940
110526	1200	+09:00	15 00.464N	140 00.718E	4947	ST.11	98	2.2	51	2.3	9	0.4	1940
110526	1200	+09:00	15 00.466N	140 00.724E	4940	ST.11	96	2.2	126	1.9	336	0.4	1940 3M ORI NET DEEPEST
110526	1205	+09:00	15 00.484N	140 00.837E	4939	ST.11	94	1.6	32	2.2			1940
110526	1210	+09:00	15 00.507N	140 00.968E	4945	ST.11	96	1.9	61	2.1			1940
110526	1215	+09:00	15 00.520N	140 01.127E	4940	ST.11	97	2.1	96	2.4	68	1.5	1940
110526	1220	+09:00	15 00.530N	140 01.280E	4932	ST.11	98	1.9	71	2.1			1941
110526	1225	+09:00	15 00.545N	140 01.426E	4927	ST.11	97	1.9	80	1.7	73	3.2	1941
110526	1230	+09:00	15 00.558N	140 01.562E	4943	ST.11	100	1.8	71	2.3			1941
110526	1235	+09:00	15 00.564N	140 01.694E	4927	ST.11	100	1.1	60	1.4			1941
110526	1235	+09:00	15 00.564N	140 01.698E	4941	ST.11	100	1	56	1.1			1941 3M ORI NET FINISHED
110526	1240	+09:00	15 00.569N	140 01.811E	4937		103	3	108	4.2	9	0.3	1941
110526	1245	+09:00	15 00.533N	140 02.071E	4932		102	1.8	96	1.8			1941
110526	1246	+09:00	15 00.532N	140 02.110E	4932		105	1.5	93	1.5			1942 CHANGED ENG'S TO T/M
110526	1246	+09:00	15 00.532N	140 02.111E	4932		105	1.5	96	1.8			1942 SLOW AHEAD ENG'S
110526	1249	+09:00	15 00.516N	140 02.213E	4934		102	3.8	111	3.7	76	0.3	1942 S/CO ON 100°
110526	1250	+09:00	15 00.506N	140 02.274E	4934		101	5	85	5.1	95	0.2	1942
110526	1255	+09:00	15 00.386N	140 02.907E	4930		102	8.7	105	9.1	70	0.2	1942
110526	1300	+09:00	15 00.228N	140 03.739E	4922		102	11.3	101	10.9	64	0.2	1943
110526	1305	+09:00	15 00.034N	140 04.774E	4916		101	14.6	102	13.5	284	0.5	1944
110526	1310	+09:00	14 59.800N	140 06.043E	4950		101	16.2	97	15.4	287	0.5	1945
110526	1310	+09:00	14 59.793N	140 06.083E	4944		101	16.2	100	15.9	284	0.5	1945 R/UP ENG'S
110526	1315	+09:00	14 59.559N	140 07.368E	4949		100	16.5	99	15.4	284	0.6	1947
110526	1320	+09:00	14 59.282N	140 08.670E	4935		103	16.3	104	15.9	278	0.8	1948
110526	1325	+09:00	14 58.997N	140 09.966E	4915		103	16.2	103	15.4	285	0.7	1949
110526	1330	+09:00	14 58.717N	140 11.257E	4923		102	16.5	104	15.7	276	0.7	1951
110526	1335	+09:00	14 58.436N	140 12.549E	4925		102	16.5	103	15.7	279	1	1952
110526	1340	+09:00	14 58.153N	140 13.831E	4956		102	16.2	104	15.5	276	0.9	1953
110526	1345	+09:00	14 57.864N	140 15.123E	4956		102	16.3	102	15.1	270	0.9	1954
110526	1350	+09:00	14 57.583N	140 16.394E	4950		102	16.3	102	15.4	274	1	1956
110526	1355	+09:00	14 57.301N	140 17.676E	4954		103	16.2	103	15.7	270	0.8	1957
110526	1400	+09:00	14 57.014N	140 18.973E	4954		103	16.1	104	15.5	268	0.6	1958
110526	1405	+09:00	14 56.732N	140 20.271E	4978		102	16.2	100	15.7	274	0.7	1960
110526	1410	+09:00	14 56.486N	140 21.566E	4925		100	16.1	100	15.2	273	0.7	1961
110526	1415	+09:00	14 56.265N	140 22.875E	4917		100	16.3	99	15.6	266	0.7	1962
110526	1420	+09:00	14 56.042N	140 24.188E	4953		100	16.1	100	15.3	265	0.5	1963
110526	1425	+09:00	14 55.822N	140 25.494E	4949		98	16.2	99	14.7	283	0.7	1965
110526	1430	+09:00	14 55.607N	140 26.785E	4936		100	16.1	98	15.2	278	0.8	1966
110526	1435	+09:00	14 55.378N	140 28.089E	4937		100	16.2	100	15.3	262	0.7	1967
110526	1440	+09:00	14 55.145N	140 29.398E	4945		100	16.3	99	15.9	268	0.8	1969
110526	1445	+09:00	14 54.926N	140 30.705E	4945		100	16.1	101	14.8	267	0.6	1970
110526	1450	+09:00	14 54.704N	140 31.998E	4937		100	16.3	99	16.1	272	0.7	1971
110526	1455	+09:00	14 54.479N	140 33.311E	4940		99	15.5	100	15.4	267	0.4	1972
110526	1500	+09:00	14 54.262N	140 34.629E	4933		99	16.3	99	15.4	288	0.6	1974
110526	1505	+09:00	14 54.050N	140 35.949E	4928		99	16.2	100	15.4	274	0.5	1975
110526	1510	+09:00	14 53.832N	140 37.276E	4928		99	16.3	99	15.4	274	0.5	1976
110526	1515	+09:00	14 53.627N	140 38.599E	4921		100	16.2	99	15.4	281	0.7	1978
110526	1520	+09:00	14 53.429N	140 39.910E	4914		100	16.2	100	15.7	286	0.7	1979
110526	1525	+09:00	14 53.226N	140 41.232E	4908		99	16.3	98	15.6	300	0.8	1980
110526	1530	+09:00	14 53.027N	140 42.551E	4894		100	16.1	100	14.9	299	0.7	1981
110526	1535	+09:00	14 52.822N	140 43.867E	4892		100	16.5	99	15.5	283	0.7	1983
110526	1540	+09:00	14 52.610N	140 45.188E	4886		101	16.3	99	15.7	297	0.5	1984
110526	1545	+09:00	14 52.392N	140 46.508E	4732		100	16.5	99	15.1	291	0.6	1985
110526	1550	+09:00	14 52.173N	140 47.815E	4796		101	16.2	100	15.4	292	0.7	1987
110526	1555	+09:00	14 51.961N	140 49.126E	4804		100	16.5	100	16	294	0.7	1988
110526	1600	+09:00	14 51.740N	140 50.439E	4825		100	16.5	100	15.3	281	0.7	1989
110526	1605	+09:00	14 51.522N	140 51.746E	4836		100	16.5	100	15.3	289	0.8	1991
110526	1610	+09:00	14 51.311N	140 53.041E	4838		99	16.5	98	15.1	296	0.8	1992
110526	1615	+09:00	14 51.095N	140 54.347E	4842		100	16.2	99	15.5	288	0.9	1993
110526	1620	+09:00	14 50.884N	140 55.648E	4835		100	16.1	98	15	293	0.9	1994
110526	1625	+09:00	14 50.675N	140 56.948E	4840		100	16.5	98	15.3	301	0.9	1996
110526	1630	+09:00	14 50.459N	140 58.251E	4843		101	16.5	100	16	294	1.2	1997
110526	1635	+09:00	14 50.249N	140 59.545E	4843		100	16.3	100	15.6	300	1.1	1998
110526	1640	+09:00	14 50.053N	141 00.842E	4832		102	16.3	100	15.2	313	1	1999
110526	1645	+09:00	14 49.848N	141 02.136E	4828		102	16.6	100	15.1	299	1.2	2001
110526	1650	+09:00	14 49.617N	141 03.424E	4822		102	16.2	101	15.1	294	1.1	2002
110526	1655	+09:00	14 49.374N	141 04.711E	4823		102	16.5	102	15.2	289	1	2003
110526	1700	+09:00	14 49.133N	141 05.999E	4822		102	16.3	102	15.3	296	1.1	2005
110526	1705	+09:00	14 48.887N	141 07.298E	4818		102	16.3	101	15.2	294	1	2006
110526	1710	+09:00	14 48.645N	141 08.592E	5		102	16.5	102	16	294	1	2007
110526	1715	+09:00	14 48.404N	141 09.897E	4834		102	16.6	101	15.5	301	0.9	2008
110526	1720	+09:00	14 48.155N	141 11.198E	4788		102	16.1	100	14.8	293	0.9	2010
110526	1725	+09:00	14 47.904N	141 12.498E	4772		102	16.6	103	14.9	290	0.9	2011
110526	1730	+09:00	14 47.648N	141 13.801E	4827		102	16.5	103	15.5	287	1	2012
110526	1735	+09:00	14 47.395N	141 15.093E	4763		102	16.3	100	15.6	294	0.9	2014
110526	1740	+09:00	14 47.142N	141 16.385E	4715		102	16.5	100	15.6	288	0.9	2015
110526	1745	+09:00	14 46.888N	141 17.679E	4691		102	16.6	101	15.6	284	0.9	2016

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110526	1750	+09:00	14 46.623N	141 18.972E	4688		101	16.5	102	15.6	275	1	2017
110526	1755	+09:00	14 46.355N	141 20.252E	4684		102	16.3	100	14.6	274	1.2	2019
110526	1759	+09:00	14 46.133N	141 21.286E	4694		102	16.3	101	15.1	273	1.1	2020 SUNSET & PUT ON REGULATION LIGHTS
110526	1800	+09:00	14 46.080N	141 21.533E	4696		101	16.3	100	15.3	273	1.2	2020
110526	1805	+09:00	14 45.856N	141 22.819E	4704		100	16.3	99	15.3	274	1.1	2021
110526	1810	+09:00	14 45.631N	141 24.111E	4697		100	16.3	101	15.7	271	0.8	2022
110526	1815	+09:00	14 45.406N	141 25.413E	4693		99	16.2	99	15.1	279	1	2024
110526	1820	+09:00	14 45.183N	141 26.716E	4694		100	16.5	100	15.5	270	0.7	2025
110526	1825	+09:00	14 44.952N	141 28.021E	4656		100	16.3	100	15.5	265	0.9	2026
110526	1830	+09:00	14 44.714N	141 29.322E	4687		99	16.3	102	15.6	257	0.9	2028
110526	1835	+09:00	14 44.474N	141 30.615E	4680		99	15.8	100	15.2	263	1	2029
110526	1840	+09:00	14 44.244N	141 31.912E	4660		100	16.2	102	15.5	260	1.1	2030
110526	1845	+09:00	14 44.019N	141 33.204E	4639		99	15.9	99	15.4	240	0.8	2031
110526	1850	+09:00	14 43.790N	141 34.498E	4626		100	16.1	102	15.7	262	0.9	2033
110526	1855	+09:00	14 43.561N	141 35.802E	4663		100	16.3	100	15.9	267	1	2034
110526	1856	+09:00	14 43.465N	141 36.309E	4653		98	15.9	99	14.8	261	0.9	2034 ENTERED IN EEZ OF U.S.A. & A/CO TO 103°
110526	1900	+09:00	14 43.324N	141 37.105E	4640		100	16.1	101	15.9	258	0.8	2035
110526	1905	+09:00	14 43.088N	141 38.408E	4630		100	16.3	101	15.1	270	1.1	2037
110526	1910	+09:00	14 42.840N	141 39.715E	4622		100	16.3	101	15.5	227	0.8	2038
110526	1915	+09:00	14 42.597N	141 41.020E	4606		100	16.2	101	15.8	267	1	2039
110526	1920	+09:00	14 42.351N	141 42.313E	4602		99	16.3	101	15.2	234	1	2040
110526	1925	+09:00	14 42.105N	141 43.604E	4594		99	16.3	101	15	253	1	2042
110526	1930	+09:00	14 41.853N	141 44.898E	4583		100	16.5	102	15.7	248	0.8	2043
110526	1935	+09:00	14 41.603N	141 46.187E	4591		99	16.3	101	14.9	259	1	2044
110526	1940	+09:00	14 41.352N	141 47.477E	4577		100	16.2	102	15.8	263	1	2046
110526	1945	+09:00	14 41.096N	141 48.776E	4550		99	16.3	101	15.4	257	0.9	2047
110526	1950	+09:00	14 40.844N	141 50.075E	4495		100	16.1	102	15	247	0.8	2048
110526	1955	+09:00	14 40.585N	141 51.370E	4486		100	16.5	99	15.3	255	0.9	2049
110526	2000	+09:00	14 40.333N	141 52.667E	4528		100	16.6	104	15.7	259	1	2051
110526	2005	+09:00	14 40.091N	141 53.961E	4539		100	16.3	102	15.4	263	1	2052
110526	2010	+09:00	14 39.850N	141 55.267E	4481		100	16.3	101	15.3	275	1	2053
110526	2015	+09:00	14 39.608N	141 56.568E	4413		100	16.5	99	15.3	269	0.9	2054
110526	2020	+09:00	14 39.385N	141 57.867E	4372		100	16.5	102	15.7	277	0.9	2056
110526	2025	+09:00	14 39.149N	141 59.162E	4324		100	16.5	102	15.2	265	0.7	2057
110526	2030	+09:00	14 38.921N	142 00.455E	4303		100	16.3	101	15.1	281	1	2058
110526	2035	+09:00	14 38.688N	142 01.752E	4434		102	16.5	103	15.2	276	1	2060
110526	2040	+09:00	14 38.386N	142 03.055E	4377		102	16.2	103	16	266	0.6	2061
110526	2045	+09:00	14 38.101N	142 04.369E	4293		102	16.2	101	16.1	298	1.4	2062
110526	2050	+09:00	14 37.820N	142 05.688E	4303		103	16.6	104	15.5	263	0.5	2063
110526	2055	+09:00	14 37.510N	142 06.996E	4263		103	16.2	105	15.6	267	0.7	2065
110526	2100	+09:00	14 37.196N	142 08.293E	4203		103	16.3	105	15.9	261	0.6	2066
110526	2105	+09:00	14 36.879N	142 09.597E	4189		104	16.1	103	16	273	0.6	2067
110526	2110	+09:00	14 36.565N	142 10.900E	4194		103	16.6	103	15.8	275	0.8	2068
110526	2115	+09:00	14 36.270N	142 12.201E	4150		102	16.6	103	15.6	270	1.1	2070
110526	2120	+09:00	14 35.973N	142 13.487E	4137		103	16.6	102	15.8	278	0.9	2071
110526	2125	+09:00	14 35.669N	142 14.775E	5		102	16.2	102	15	259	1	2072
110526	2130	+09:00	14 35.351N	142 16.057E	4104		103	16.5	103	15.9	251	0.9	2074
110526	2135	+09:00	14 35.053N	142 17.341E	4114		103	16.5	104	15.4	278	0.9	2075
110526	2140	+09:00	14 34.743N	142 18.622E	4025		103	16.3	104	15.7	256	1.4	2076
110526	2145	+09:00	14 34.427N	142 19.920E	3994		103	16.3	104	15.3	251	0.9	2077
110526	2150	+09:00	14 34.110N	142 21.216E	4022		102	16.6	104	15.5	244	0.7	2079
110526	2155	+09:00	14 33.800N	142 22.507E	3938		102	16.5	104	15.8	247	1.1	2080
110526	2200	+09:00	14 33.498N	142 23.791E	3796		101	16.5	102	15.4	252	1	2081
110526	2205	+09:00	14 33.211N	142 25.081E	3742		100	16.3	103	15.6	249	1	2083
110526	2210	+09:00	14 32.927N	142 26.378E	3671		101	16.3	102	15.5	252	0.9	2084
110526	2215	+09:00	14 32.648N	142 27.677E	3571		101	16.3	103	14.8	256	1	2085
110526	2220	+09:00	14 32.363N	142 28.965E	3454		101	16.6	104	15.6	257	1.1	2086
110526	2225	+09:00	14 32.082N	142 30.258E	3382		102	16.2	105	15.8	255	1.1	2088
110526	2230	+09:00	14 31.795N	142 31.560E	3367		101	16.3	103	15.7	245	1.1	2089
110526	2235	+09:00	14 31.509N	142 32.854E	3367		101	16.2	103	15.6	249	1.1	2090
110526	2240	+09:00	14 31.216N	142 34.156E	3332		101	16.5	101	16	244	1	2092
110526	2245	+09:00	14 30.928N	142 35.470E	3247		100	16.3	102	15.8	227	0.8	2093
110526	2250	+09:00	14 30.635N	142 36.790E	3146		100	16.3	103	15.8	225	0.9	2094
110526	2255	+09:00	14 30.347N	142 38.108E	3099		100	16.3	104	15.9	234	1	2096
110526	2300	+09:00	14 30.064N	142 39.425E	3066		100	16.3	103	15.7	242	0.8	2097
110526	2305	+09:00	14 29.784N	142 40.740E	3071		101	16.3	103	15.7	232	1.1	2098
110526	2310	+09:00	14 29.501N	142 42.060E	3053		100	16.3	100	15.7	239	0.8	2099
110526	2315	+09:00	14 29.217N	142 43.387E	2967		101	16.6	102	15.6	240	0.8	2101
110526	2320	+09:00	14 28.929N	142 44.718E	2912		101	16.5	102	15.4	210	0.3	2102
110526	2325	+09:00	14 28.646N	142 46.043E	2695		101	16.5	103	15.6	247	0.7	2103
110526	2330	+09:00	14 28.358N	142 47.362E	2494		101	16.3	101	15.9	249	0.7	2105
110526	2335	+09:00	14 28.067N	142 48.670E	2079		101	16.6	102	15.3	220	0.6	2106
110526	2340	+09:00	14 27.773N	142 49.988E	2257		102	16.2	103	15.7	239	0.9	2107
110526	2345	+09:00	14 27.481N	142 51.302E	2156		100	16.5	102	16.1	224	0.8	2109
110526	2350	+09:00	14 27.189N	142 52.623E	1992		100	16.3	102	15.9	231	0.9	2110
110526	2355	+09:00	14 26.907N	142 53.924E	1970		101	16.3	102	15.5	252	1	2111
110527	0	+09:00	14 26.608N	142 55.232E	1995		100	16.3	103	15.4	231	0.9	2113
110527	5	+09:00	14 26.324N	142 56.555E	2082		99	16.5	103	15.8	237	1	2114
110527	10	+09:00	14 26.040N	142 57.874E	2094		100	16.6	102	15.9	230	0.9	2115
110527	15	+09:00	14 25.750N	142 59.194E	1988		100	16.3	102	15.4	231	1.3	2117
110527	19	+09:00	14 25.484N	143 00.459E	1844		100	16.3	102	15.1	216	0.7	2118 S/B ENG'S USED ENG'S VAR'LY
110527	19	+09:00	14 25.482N	143 00.467E	1844		100	16.2	102	15	211	0.7	2118 USED HELM VAR'LY
110527	20	+09:00	14 25.469N	143 00.529E	1832		100	15.8	103	15.1	228	0.8	2118
110527	25	+09:00	14 25.265N	143 01.401E	1806		92	6.6	98	5.8	222	0.9	2119
110527	28	+09:00	14 25.309N	143 01.548E	1792		78	2.2	83	1.6	60	0.6	2119 CHANGED ENG'S TO S/M
110527	30	+09:00	14 25.314N	143 01.595E	1785		66	2	51	1.5			2119
110527	33	+09:00	14 25.347N	143 01.704E	1773	ST.12	71	2.3	53	3.1	80	0.7	2119 IKMT NET STARTED
110527	35	+09:00	14 25.361N	143 01.758E	1768	ST.12	69	2.3	66	2.3	94	0.7	2119

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110527	40	+09:00	14 25.426N	143 01.998E	1719	ST.12	70	3.6	81	3.4	217	0.4	2119
110527	45	+09:00	14 25.499N	143 02.257E	1781	ST.12	70	3.2	77	3.1	226	0.2	2120
110527	50	+09:00	14 25.569N	143 02.518E	1893	ST.12	71	3.3	76	3.2	205	0.2	2120
110527	55	+09:00	14 25.647N	143 02.785E	1913	ST.12	71	3.5	72	3.4	215	0.5	2120
110527	100	+09:00	14 25.720N	143 03.038E	1869	ST.12	70	3.2	84	3.3	231	0.1	2121
110527	102	+09:00	14 25.754N	143 03.153E	1847	ST.12	72	2.5	76	2.2	231	0.3	2121 IKMT NET DEEPEST
110527	105	+09:00	14 25.778N	143 03.235E	1842	ST.12	72	2.2	77	1.9	201	0.4	2121
110527	110	+09:00	14 25.822N	143 03.409E	1834	ST.12	71	2.2	70	2.1	86	0.5	2121
110527	115	+09:00	14 25.872N	143 03.594E	1816	ST.12	72	2.3	69	2.4			2121
110527	120	+09:00	14 25.907N	143 03.774E	1852	ST.12	70	2.3	76	2.3	195	0.3	2121
110527	125	+09:00	14 25.953N	143 03.960E	1864	ST.12	70	2.5	92	2.4	198	0.3	2122
110527	130	+09:00	14 25.994N	143 04.150E	1913	ST.12	70	2.4	67	2.4	201	0.6	2122
110527	135	+09:00	14 26.047N	143 04.327E	1985	ST.12	68	2.3	66	2			2122
110527	140	+09:00	14 26.093N	143 04.485E	1990	ST.12	71	2.1	78	1.8			2122
110527	140	+09:00	14 26.093N	143 04.487E	1990	ST.12	72	2	64	1.8			2122 IKMT NET FINISHED
110527	145	+09:00	14 26.124N	143 04.628E	1998	ST.12	70	1.8	54	1.8			2122
110527	146	+09:00	14 26.130N	143 04.665E	2005	ST.12	68	1.9	52	1.8			2122 IKMT NET STARTED
110527	150	+09:00	14 26.167N	143 04.775E	2008	ST.12	71	2.5	75	2.4	102	0.6	2122
110527	155	+09:00	14 26.253N	143 05.036E	2005	ST.12	69	3.3	64	3.3	257	0.4	2123
110527	200	+09:00	14 26.329N	143 05.295E	2007	ST.12	68	3.3	67	3.1	141	0.6	2123
110527	205	+09:00	14 26.422N	143 05.534E	2073	ST.12	68	3.5	62	3.2	228	0.3	2123
110527	210	+09:00	14 26.497N	143 05.789E	2206	ST.12	71	3.5	82	3.3	189	0.4	2123
110527	215	+09:00	14 26.578N	143 06.035E	2266	ST.12	71	3.3	66	3.3	214	0.3	2124
110527	220	+09:00	14 26.662N	143 06.284E	2280	ST.12	68	3.3	61	3.1	247	0.3	2124
110527	221	+09:00	14 26.686N	143 06.360E	2333	ST.12	70	2.8	67	2.6	210	0.4	2124 IKMT NET DEEPEST
110527	225	+09:00	14 26.724N	143 06.482E	2439	ST.12	67	2.3	53	2.1	78	0.4	2124
110527	230	+09:00	14 26.787N	143 06.664E	2490	ST.12	70	2.5	62	2.5	225	0.3	2124
110527	235	+09:00	14 26.843N	143 06.831E	2521	ST.12	70	2.3	81	2.8	78	0.5	2125
110527	240	+09:00	14 26.907N	143 06.999E	2612	ST.12	68	2.6	70	2.3	175	0.3	2125
110527	245	+09:00	14 26.969N	143 07.182E	2587	ST.12	69	2.5	74	2.1	128	0.1	2125
110527	250	+09:00	14 27.045N	143 07.366E	2700	ST.12	72	2.5	75	2.4	256	0.2	2125
110527	255	+09:00	14 27.093N	143 07.546E	2766	ST.12	70	2.3	76	2.6	132	0.2	2125
110527	258	+09:00	14 27.132N	143 07.668E	2729	ST.12	70	2	76	2			2125 IKMT NET FINISHED
110527	300	+09:00	14 27.146N	143 07.708E	2725		69	2.2	85	2.3			2125
110527	305	+09:00	14 26.973N	143 07.741E	2763		236	5.2	234	5.3	234	0.7	2126
110527	307	+09:00	14 26.846N	143 07.550E	2814		232	6.2	231	6.7	251	0.5	2126 CHANGED ENG'S TO E/M
110527	307	+09:00	14 26.838N	143 07.539E	2814		232	6.4	234	6.8	256	0.6	2126 S/CO ON 222°
110527	310	+09:00	14 26.630N	143 07.238E	2736		234	8.4	236	9.4	245	0.7	2126
110527	315	+09:00	14 26.155N	143 06.548E	2599		235	10.5	235	11.1	254	1	2127
110527	320	+09:00	14 25.551N	143 05.657E	2199		234	13.6	234	13.9	238	0.6	2128
110527	325	+09:00	14 24.797N	143 04.542E	2027		234	16.8	234	16.9	319	0.4	2130
110527	325	+09:00	14 24.766N	143 04.495E	2020		234	16.9	235	17.2	270	0.5	2130 R/UP ENG'S
110527	330	+09:00	14 23.987N	143 03.360E	2033		234	16.6	234	17.2	260	0.2	2131
110527	335	+09:00	14 23.181N	143 02.187E	1893		234	16.2	236	16.1	359	0.1	2132
110527	340	+09:00	14 22.380N	143 01.016E	1883		235	16.8	235	16.3	295	0.2	2134
110527	345	+09:00	14 21.583N	142 59.854E	1840		233	16.9	234	16.3	252	0.1	2135
110527	350	+09:00	14 20.791N	142 58.691E	1844		235	16.3	234	16.4	26	0.1	2137
110527	355	+09:00	14 19.979N	142 57.522E	1691		233	16.9	234	16.7	214	0.1	2138
110527	400	+09:00	14 19.178N	142 56.348E	1883		235	17.1	235	16.9	266	0.3	2139
110527	405	+09:00	14 18.380N	142 55.166E	1911		236	16.6	236	17.4	281	0.3	2141
110527	410	+09:00	14 17.746N	142 53.893E	1808		242	16.6	242	17.2	274	0.1	2142
110527	415	+09:00	14 17.159N	142 52.584E	1812		245	16.6	245	16.6	279	0.3	2143
110527	420	+09:00	14 16.516N	142 51.343E	1769		202	15.9	205	16.6	314	0.4	2145
110527	421	+09:00	14 16.113N	142 51.304E	1689		174	16.1	176	15.1	259	1	2145 S/B ENG'S & USED HELM VAR'LY
110527	425	+09:00	14 15.347N	142 51.342E	1158		174	11.1	184	11.5	265	0.8	2146
110527	430	+09:00	14 14.752N	142 51.389E	0		137	3.1	162	2.8	287	1.2	2147
110527	432	+09:00	14 14.709N	142 51.413E	835		103	0.5	200	0.5			2147 STOPPED ENG'S
110527	434	+09:00	14 14.687N	142 51.400E	0		109	0.2	244	0.8			2147 CHANGED ENG'S TO E/M
110527	435	+09:00	14 14.682N	142 51.396E	0		112	0.2	202	1.4			2147
110527	438	+09:00	14 14.658N	142 51.369E	0 ST.13		81	0.2	256	1			2147 UNDERWATER VIDEO CAMERA STARTED
110527	440	+09:00	14 14.655N	142 51.363E	898 ST.13		80	0.2	273	0.6			2147
110527	445	+09:00	14 14.655N	142 51.341E	938 ST.13		80	0.1	165	0.3			2147
110527	450	+09:00	14 14.659N	142 51.318E	949 ST.13		80	0.3	326	1.2			2147
110527	455	+09:00	14 14.661N	142 51.277E	965 ST.13		80	0.2	303	0.5			2147
110527	459	+09:00	14 14.670N	142 51.215E	0 ST.13		80	0.1	226	0.8			2147 SUNRISE & TURNED OFF REGULATION LIGHTS
110527	500	+09:00	14 14.670N	142 51.213E	0 ST.13		80	0.1	311	0.9			2147
110527	505	+09:00	14 14.679N	142 51.187E	1038 ST.13		81	0.4	257	1.1			2147
110527	510	+09:00	14 14.676N	142 51.184E	1124 ST.13		80	0.3	332	1			2147
110527	515	+09:00	14 14.661N	142 51.158E	1166 ST.13		81	0.1	261	0.6			2147
110527	520	+09:00	14 14.643N	142 51.123E	1229 ST.13		70	0	188	0.4			2147
110527	525	+09:00	14 14.645N	142 51.107E	1206 ST.13		70	0.3	281	0.2			2147
110527	530	+09:00	14 14.663N	142 51.087E	1248 ST.13		69	0.3	321	0.7			2147
110527	535	+09:00	14 14.686N	142 51.059E	1256 ST.13		69	0.4	327	0.7			2147
110527	540	+09:00	14 14.703N	142 51.030E	1270 ST.13		70	0.2	311	0.5			2148
110527	545	+09:00	14 14.720N	142 51.003E	1278 ST.13		71	0.4	172	0.6			2148
110527	550	+09:00	14 14.734N	142 50.985E	1292 ST.13		70	0.3	282	0.7			2148
110527	555	+09:00	14 14.754N	142 50.966E	1298 ST.13		70	0.2	312	0.4			2148
110527	600	+09:00	14 14.774N	142 50.943E	1321 ST.13		70	0.4	301	0.8			2148
110527	605	+09:00	14 14.795N	142 50.916E	1334 ST.13		70	0.2	321	1.2			2148
110527	610	+09:00	14 14.808N	142 50.893E	1338 ST.13		81	0.3	324	0.7			2148
110527	612	+09:00	14 14.804N	142 50.888E	1345 ST.13		81	0.4	148	0.3			2148 UNDERWATER VIDEO CAMERA FINISHED
110527	615	+09:00	14 14.798N	142 50.889E	1342		91	0.7	140	1.4			2148
110527	620	+09:00	14 14.616N	142 50.874E	1295		175	3.8	194	4.2	256	1	2148
110527	625	+09:00	14 14.118N	142 50.898E	1231		169	7.4	166	7.4	253	0.7	2149
110527	630	+09:00	14 13.475N	142 50.971E	1235		169	8.3	170	7.5	258	0.5	2149
110527	635	+09:00	14 12.798N	142 51.063E	1282		169	8	168	8.6	248	0.3	2150
110527	640	+09:00	14 12.101N	142 51.126E	1380		175	8.3	180	8.4	228	0.4	2151
110527	645	+09:00	14 11.402N	142 51.145E	1448		178	8.3	184	8.4	251	0.5	2151

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110527	650	+09:00	14 10.703N	142 51.136E	1571		177	8.1	183	8.3	262	0.5	2152
110527	655	+09:00	14 10.007N	142 51.126E	1669		178	8.1	182	8	239	0.6	2153
110527	700	+09:00	14 09.311N	142 51.111E	1614		178	7.9	177	8.7	246	0.5	2153
110527	705	+09:00	14 08.611N	142 51.096E	1652		178	8.1	180	8.6	266	0.6	2154
110527	710	+09:00	14 08.317N	142 51.202E	1669		70	2.3	63	2.4			2154
110527	713	+09:00	14 08.373N	142 51.347E	1674	ST.14	73	2.6	62	2.4	22	0.1	2155 IKMT NET STARTED
110527	715	+09:00	14 08.393N	142 51.401E	1678	ST.14	70	2.6	76	2.5	245	0.1	2155
110527	720	+09:00	14 08.480N	142 51.617E	1687	ST.14	70	3.3	74	4	348	0.1	2155
110527	725	+09:00	14 08.590N	142 51.895E	1707	ST.14	70	3.7	58	4	356	0	2155
110527	730	+09:00	14 08.697N	142 52.174E	1731	ST.14	69	3.5	62	3.3	22	0.1	2156
110527	735	+09:00	14 08.807N	142 52.465E	1751	ST.14	70	3.7	73	3.6	33	0.1	2156
110527	740	+09:00	14 08.906N	142 52.740E	1769	ST.14	69	3.3	84	3.6	325	0.1	2156
110527	745	+09:00	14 09.009N	142 53.017E	1774	ST.14	69	3.5	78	3.4	21	0.1	2156
110527	750	+09:00	14 09.116N	142 53.308E	1798	ST.14	70	3.6	63	4.2	79	0.2	2157
110527	755	+09:00	14 09.217N	142 53.597E	1795	ST.14	70	3.4	73	3.6	103	0.2	2157
110527	800	+09:00	14 09.316N	142 53.872E	1805	ST.14	70	3.3	57	3.5	70	0.1	2157
110527	805	+09:00	14 09.421N	142 54.156E	1823	ST.14	70	3.6	80	3.9	87	0	2158
110527	810	+09:00	14 09.529N	142 54.434E	1824	ST.14	69	3.1	75	3.4	323	0.1	2158
110527	815	+09:00	14 09.634N	142 54.703E	1844	ST.14	69	3.5	68	3.6	299	0.1	2158
110527	816	+09:00	14 09.678N	142 54.808E	1838	ST.14	70	3.2	66	3.1	332	0.1	2158 IKMT NET DEEPEST
110527	820	+09:00	14 09.725N	142 54.923E	1840	ST.14	70	2.2	57	2.1	295	0.2	2158
110527	825	+09:00	14 09.802N	142 55.093E	1856	ST.14	70	2.5	50	2.4	328	0.1	2159
110527	830	+09:00	14 09.888N	142 55.290E	1877	ST.14	69	2.8	77	2.9	316	0.2	2159
110527	835	+09:00	14 09.975N	142 55.494E	1894	ST.14	70	2.6	76	2.5	351	0.2	2159
110527	840	+09:00	14 10.061N	142 55.692E	1917	ST.14	71	2.5	59	2.7	11	0.1	2159
110527	845	+09:00	14 10.148N	142 55.892E	1963	ST.14	70	2.5	58	2.6	350	0.3	2160
110527	850	+09:00	14 10.233N	142 56.084E	2084	ST.14	69	2.4	78	2.5	316	0.2	2160
110527	855	+09:00	14 10.326N	142 56.276E	2202	ST.14	71	2.6	54	2.4	332	0.2	2160
110527	900	+09:00	14 10.417N	142 56.473E	2224	ST.14	70	2.6	72	2.6	352	0.2	2160
110527	905	+09:00	14 10.509N	142 56.675E	2261	ST.14	72	2.6	72	2.2	352	0.2	2160
110527	910	+09:00	14 10.603N	142 56.872E	2237	ST.14	70	2.5	67	2.8	355	0.3	2161
110527	915	+09:00	14 10.688N	142 57.064E	2413	ST.14	68	2.5	72	2.5	306	0.2	2161
110527	920	+09:00	14 10.776N	142 57.260E	2423	ST.14	69	2.5	48	3.1	357	0.2	2161
110527	925	+09:00	14 10.876N	142 57.459E	2508	ST.14	69	2.5	58	2.8	345	0.3	2161
110527	930	+09:00	14 10.974N	142 57.655E	2560	ST.14	69	2.6	79	2.8	1	0.3	2162
110527	935	+09:00	14 11.071N	142 57.856E	2611	ST.14	69	2.5	55	2.6	0	0.3	2162
110527	940	+09:00	14 11.162N	142 58.048E	2660	ST.14	69	2.5	63	2.7	348	0.3	2162
110527	945	+09:00	14 11.257N	142 58.250E	2723	ST.14	71	2.3	63	2.6	5	0.2	2162
110527	950	+09:00	14 11.353N	142 58.458E	2826	ST.14	70	2.7	69	2.9	20	0.3	2163
110527	955	+09:00	14 11.445N	142 58.666E	2945	ST.14	69	2.3	71	2.8	25	0.4	2163
110527	1000	+09:00	14 11.535N	142 58.854E	3040	ST.14	69	2.4	74	2.3	9	0.3	2163
110527	1005	+09:00	14 11.617N	142 59.030E	3092	ST.14	70	2.5	49	2.2	334	0.2	2163
110527	1010	+09:00	14 11.708N	142 59.219E	3194	ST.14	69	2.5	72	2.6	340	0.3	2163
110527	1015	+09:00	14 11.803N	142 59.418E	3238	ST.14	71	2.5	71	2.8	309	0.3	2164
110527	1017	+09:00	14 11.839N	142 59.491E	3289	ST.14	67	2.3	75	2.1	354	0.4	2164 IKMT NET FINISHED
110527	1020	+09:00	14 11.869N	142 59.561E	3290		96	1	107	1.1			2164
110527	1021	+09:00	14 11.845N	142 59.584E	3294		142	1.8	161	1.7	98	3.3	2164 CHANGED ENG'S TO T/M
110527	1025	+09:00	14 11.693N	142 59.481E	3271		225	5.4	235	5.3	270	0.6	2164
110527	1030	+09:00	14 11.304N	142 59.028E	3177		225	8.6	231	8.2	283	0.7	2165
110527	1035	+09:00	14 10.716N	142 58.362E	2942		225	12.7	224	12.1	316	0.5	2166
110527	1040	+09:00	14 09.926N	142 57.498E	2670		225	15.6	227	15.4	319	0.4	2167
110527	1045	+09:00	14 09.012N	142 56.511E	2389		226	16.2	225	16	294	0.5	2168
110527	1045	+09:00	14 08.956N	142 56.451E	2402		223	16.8	223	16.6	327	0.4	2168 R/UP ENG'S
110527	1050	+09:00	14 08.067N	142 55.509E	2089		225	16.2	227	16.7	303	0.4	2169
110527	1055	+09:00	14 07.133N	142 54.507E	2346		224	16.6	225	16.5	5	0.7	2171
110527	1100	+09:00	14 06.199N	142 53.516E	1916		225	17.1	227	15.5	3	0.5	2172
110527	1105	+09:00	14 05.271N	142 52.524E	1840		224	15.9	228	16	3	0.6	2173
110527	1110	+09:00	14 04.347N	142 51.531E	1883		225	16.3	226	15.9	4	0.8	2175
110527	1115	+09:00	14 03.431N	142 50.531E	1880		225	16.3	224	16.3	0	0.8	2176
110527	1120	+09:00	14 02.510N	142 49.512E	1904		225	16.9	227	16.4	347	0.8	2177
110527	1125	+09:00	14 01.602N	142 48.492E	1964		223	16.1	228	15.6	349	0.8	2179
110527	1130	+09:00	14 00.684N	142 47.475E	1926		225	16.8	226	16.7	341	0.8	2180
110527	1135	+09:00	13 59.759N	142 46.463E	1784		225	16.5	228	16.3	359	1	2181
110527	1136	+09:00	13 59.412N	142 46.083E	1648		224	15.4	228	14.8	349	0.8	2182 S/B ENG'S
110527	1140	+09:00	13 58.972N	142 45.598E	1650		224	10.8	230	9.7	341	0.6	2183
110527	1144	+09:00	13 58.682N	142 45.480E	1682		85	4	73	3.8	18	0.2	2183 CHANGED ENG'S TO S/M
110527	1145	+09:00	13 58.683N	142 45.482E	1683		85	4	69	4.2	33	0.3	2183
110527	1147	+09:00	13 58.701N	142 45.591E	1667	ST.15	83	2.1	83	1.9	295	0.3	2183 IKMT NET STARTED
110527	1150	+09:00	13 58.734N	142 45.711E	1652	ST.15	78	2.9	58	3.8	4	0.2	2183
110527	1155	+09:00	13 58.804N	142 45.989E	1615	ST.15	79	3.4	83	3.6	17	0.3	2184
110527	1200	+09:00	13 58.879N	142 46.274E	1617	ST.15	79	3.5	66	3.5	337	0.2	2184
110527	1205	+09:00	13 58.945N	142 46.547E	1739	ST.15	78	3.3	71	3	312	0.1	2184
110527	1210	+09:00	13 59.014N	142 46.822E	2007	ST.15	82	3.1	64	3.2	349	0.3	2184
110527	1215	+09:00	13 59.081N	142 47.100E	2012	ST.15	80	3.3	63	3.7	310	0.2	2185
110527	1220	+09:00	13 59.148N	142 47.366E	1999	ST.15	81	3.5	80	3.6	305	0.2	2185
110527	1225	+09:00	13 59.211N	142 47.633E	2024	ST.15	79	3.4	65	3.4	322	0.3	2185
110527	1230	+09:00	13 59.274N	142 47.901E	2030	ST.15	80	3.4	81	3.4	311	0.3	2185
110527	1235	+09:00	13 59.341N	142 48.183E	2047	ST.15	81	3.6	76	3.2	325	0.3	2186
110527	1240	+09:00	13 59.400N	142 48.458E	2098	ST.15	82	3.5	80	3.5	311	0.2	2186
110527	1245	+09:00	13 59.464N	142 48.720E	2138	ST.15	80	3.4	90	3.3	298	0.3	2186
110527	1250	+09:00	13 59.522N	142 48.986E	2172	ST.15	80	3.5	82	3.1	304	0.2	2187
110527	1255	+09:00	13 59.577N	142 49.251E	2232	ST.15	80	3.4	90	3.6	297	0.2	2187
110527	1258	+09:00	13 59.622N	142 49.429E	2299	ST.15	78	2.5	63	2.4	300	0.4	2187 IKMT NET DEEPEST
110527	1300	+09:00	13 59.640N	142 49.479E	2315	ST.15	79	2.2	70	2.1	11	0.3	2187
110527	1305	+09:00	13 59.692N	142 49.661E	2466	ST.15	81	2.3	68	2.3	39	0.5	2187
110527	1310	+09:00	13 59.731N	142 49.851E	2541	ST.15	90	2.5	80	2.3	75	0.3	2187
110527	1315	+09:00	13 59.737N	142 50.047E	2661	ST.15	90	2.3	97	2.6	275	0.3	2188
110527	1320	+09:00	13 59.747N	142 50.245E	2711	ST.15	92	2.4	86	2.8	313	0.2	2188



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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110527	1325	+09:00	13 59.746N	142 50.445E	2787	ST.15	90	2.5	75	2.3	330	0.1	2188
110527	1330	+09:00	13 59.730N	142 50.642E	2879	ST.15	94	2.6	116	2.5	258	0.3	2188
110527	1335	+09:00	13 59.710N	142 50.840E	2972	ST.15	94	2.6	78	3.4	246	0.2	2188
110527	1340	+09:00	13 59.676N	142 51.037E	3041	ST.15	99	2.5	89	2.5	260	0.3	2189
110527	1345	+09:00	13 59.633N	142 51.233E	3096	ST.15	101	2.7	98	2.1	251	0.3	2189
110527	1350	+09:00	13 59.589N	142 51.412E	3164	ST.15	100	2.3	104	1.7	115	1.4	2189
110527	1355	+09:00	13 59.588N	142 51.603E	3190	ST.15	87	2.5	54	2.8			2189
110527	1400	+09:00	13 59.597N	142 51.792E	3267	ST.15	90	2.4	102	2.1	48	0.1	2190
110527	1405	+09:00	13 59.604N	142 51.986E	3366	ST.15	92	2.5	101	2.5	299	0.1	2190
110527	1410	+09:00	13 59.618N	142 52.191E	3455	ST.15	88	2.7	76	2.8	348	0.3	2190
110527	1415	+09:00	13 59.672N	142 52.388E	3523	ST.15	84	2.3	76	2.5	14	0.5	2190
110527	1420	+09:00	13 59.729N	142 52.602E	3618	ST.15	79	2.6	85	3.1	11	0.5	2190
110527	1425	+09:00	13 59.804N	142 52.825E	3642	ST.15	79	2.5	78	2.9	14	0.5	2191
110527	1430	+09:00	13 59.880N	142 53.036E	3725	ST.15	82	2.5	70	2.4	4	0.4	2191
110527	1435	+09:00	13 59.950N	142 53.236E	3913	ST.15	80	2.4	61	3.2	19	0.4	2191
110527	1440	+09:00	14 00.027N	142 53.442E	3909	ST.15	79	2.2	73	2.2	347	0.5	2191
110527	1442	+09:00	14 00.061N	142 53.530E	3912	ST.15	84	1.9	74	2.2	26	0.6	2191 IKMT NET FINISHED
110527	1445	+09:00	14 00.076N	142 53.652E	3913		117	3.6	106	4.1	53	0.5	2191
110527	1449	+09:00	13 59.848N	142 53.539E	3919		229	6	244	5.9	339	0.7	2192 CHANGED ENG'S TO T/M
110527	1450	+09:00	13 59.806N	142 53.477E	3919		228	6.4	230	6.2	333	0.8	2192
110527	1455	+09:00	13 59.440N	142 52.955E	3858		230	8	231	8.2	315	0.8	2192
110527	1500	+09:00	13 58.968N	142 52.298E	3598		229	11.7	232	11.3	312	0.7	2193
110527	1505	+09:00	13 58.345N	142 51.465E	3530		229	13.9	229	14	337	0.5	2194
110527	1510	+09:00	13 57.507N	142 50.463E	3092		226	16.9	229	16.9	351	0.6	2196
110527	1515	+09:00	13 56.586N	142 49.419E	2851		227	16.9	228	15.9	356	0.5	2197
110527	1520	+09:00	13 55.672N	142 48.398E	2557		228	16.2	230	16	340	0.5	2198
110527	1525	+09:00	13 54.743N	142 47.382E	2356		226	16.8	228	16.3	324	0.3	2200
110527	1530	+09:00	13 53.820N	142 46.353E	2208		225	16.5	226	16.2	359	0.4	2201
110527	1535	+09:00	13 52.883N	142 45.321E	2062		224	16.5	227	16.2	342	0.5	2202
110527	1540	+09:00	13 51.958N	142 44.277E	1889		228	16.6	229	17.2	316	0.5	2204
110527	1545	+09:00	13 51.039N	142 43.235E	1894		225	16.1	226	16.4	335	0.7	2205
110527	1550	+09:00	13 50.383N	142 42.509E	1939		176	6	190	5.3	328	1	2206
110527	1552	+09:00	13 50.285N	142 42.586E	1941		89	3.3	118	2.6	258	0.8	2206 CHANGED ENG'S TO S/M
110527	1553	+09:00	13 50.294N	142 42.637E	1946	ST.16	73	2.1	61	1.8			2206 IKMT NET STARTED
110527	1555	+09:00	13 50.313N	142 42.679E	1922	ST.16	73	2.2	50	2.5			2206
110527	1600	+09:00	13 50.386N	142 42.928E	1847	ST.16	80	3.7	62	3.9	351	0.3	2207
110527	1605	+09:00	13 50.464N	142 43.209E	1822	ST.16	81	3.4	78	3.8	312	0.3	2207
110527	1610	+09:00	13 50.521N	142 43.473E	1860	ST.16	81	3.3	54	3.6	310	0.2	2207
110527	1615	+09:00	13 50.589N	142 43.748E	1878	ST.16	79	3.8	73	3.5	336	0.3	2208
110527	1620	+09:00	13 50.669N	142 44.020E	1946	ST.16	77	3.3	90	3.1	327	0.4	2208
110527	1625	+09:00	13 50.744N	142 44.278E	2002	ST.16	78	3.5	82	3	353	0.4	2208
110527	1630	+09:00	13 50.822N	142 44.556E	1982	ST.16	80	3.4	84	3.6	316	0.5	2208
110527	1635	+09:00	13 50.897N	142 44.820E	2070	ST.16	80	3.4	84	3.1	308	0.5	2209
110527	1640	+09:00	13 50.967N	142 45.082E	2368	ST.16	82	3.1	61	3.3	325	0.4	2209
110527	1640	+09:00	13 50.979N	142 45.132E	2361	ST.16	80	3.2	71	3.1	316	0.4	2209 IKMT NET DEEPEST
110527	1645	+09:00	13 51.033N	142 45.302E	2368	ST.16	81	2.3	59	2.4	12	0.3	2209
110527	1650	+09:00	13 51.104N	142 45.471E	2352	ST.16	79	2.3	58	2.4	347	0.4	2209
110527	1655	+09:00	13 51.176N	142 45.647E	2363	ST.16	76	2.2	76	2.4	342	0.4	2210
110527	1700	+09:00	13 51.253N	142 45.839E	2431	ST.16	80	2.4	62	2.6	325	0.4	2210
110527	1705	+09:00	13 51.322N	142 46.032E	2552	ST.16	78	2.5	57	2.6	347	0.4	2210
110527	1710	+09:00	13 51.407N	142 46.230E	2580	ST.16	79	2.4	46	3.5			2210
110527	1715	+09:00	13 51.493N	142 46.425E	2714	ST.16	81	2.4	83	2.3	5	0.6	2210
110527	1720	+09:00	13 51.559N	142 46.632E	2786	ST.16	80	2.5	84	2.8	5	0.4	2211
110527	1725	+09:00	13 51.610N	142 46.840E	2910	ST.16	80	2.4	73	2.4	354	0.2	2211
110527	1730	+09:00	13 51.677N	142 47.047E	2983	ST.16	79	2.5	80	2.8	352	0.4	2211
110527	1735	+09:00	13 51.751N	142 47.248E	3050	ST.16	79	2.5	61	2.7	346	0.4	2211
110527	1740	+09:00	13 51.816N	142 47.450E	3206	ST.16	80	2.5	64	2.7	359	0.3	2211
110527	1745	+09:00	13 51.884N	142 47.657E	3241	ST.16	81	2.5	74	2.4	351	0.5	2212
110527	1750	+09:00	13 51.939N	142 47.861E	3289	ST.16	80	2.5	90	2.6	351	0.4	2212
110527	1752	+09:00	13 51.980N	142 47.955E	3295	ST.16	78	2.5	82	3	2	0.4	2212 SUNSET & PUT ON REGULATION LIGHTS
110527	1755	+09:00	13 52.013N	142 48.064E	3317	ST.16	83	2.5	85	2.4	0	0.1	2212
110527	1800	+09:00	13 52.069N	142 48.273E	3437	ST.16	81	2.4	65	2.4	20	0.3	2212
110527	1805	+09:00	13 52.138N	142 48.484E	3448	ST.16	83	2.4	76	2.6	18	0.5	2213
110527	1806	+09:00	13 52.147N	142 48.529E	3457	ST.16	86	2.6	76	2.7	16	0.3	2213 IKMT NET FINISHED
110527	1810	+09:00	13 52.170N	142 48.725E	3717		147	3.7	148	3.5	46	0.3	2213
110527	1812	+09:00	13 52.063N	142 48.681E	3559		228	4.4	239	4.4	320	0.3	2213 CHANGED ENG'S TO T/M
110527	1815	+09:00	13 51.856N	142 48.387E	3813		230	9.5	230	9.6	312	0.6	2213
110527	1820	+09:00	13 51.284N	142 47.590E	3501		230	13.1	231	12.6	300	0.7	2214
110527	1825	+09:00	13 50.583N	142 46.637E	3166		232	15.8	236	15	341	0.6	2216
110527	1830	+09:00	13 49.786N	142 45.549E	3010		228	17.1	231	15.8	355	0.6	2217
110527	1835	+09:00	13 48.970N	142 44.458E	2741		228	16.5	232	16.1	351	0.6	2218
110527	1840	+09:00	13 48.153N	142 43.365E	2449		230	16.2	232	16.2	1	0.7	2220
110527	1845	+09:00	13 47.327N	142 42.274E	2182		229	16.6	231	16.1	338	0.7	2221
110527	1850	+09:00	13 46.459N	142 41.211E	2038		228	15.8	226	16.4	356	0.7	2222
110527	1855	+09:00	13 45.613N	142 40.159E	0		228	16.3	231	15.7	353	0.7	2224
110527	1900	+09:00	13 44.775N	142 39.121E	1806		229	15	230	14.3	8	0.8	2225
110527	1905	+09:00	13 44.175N	142 38.374E	1863		226	7.7	228	7.4	358	0.7	2226
110527	1907	+09:00	13 44.027N	142 38.345E	1859		119	2.6	130	2.6	281	0.8	2226 CHANGED ENG'S TO S/M
110527	1910	+09:00	13 43.996N	142 38.438E	1847		95	2.2	94	2.5	166	0.1	2226
110527	1910	+09:00	13 43.993N	142 38.470E	1846	ST.17	93	2.2	102	2.2	158	0.1	2226 IKMT NET STARTED
110527	1915	+09:00	13 43.968N	142 38.636E	1878	ST.17	104	2.8	108	2.9	196	0.1	2226
110527	1920	+09:00	13 43.911N	142 38.923E	1816	ST.17	100	3.5	123	3.8	246	0.1	2227
110527	1925	+09:00	13 43.863N	142 39.204E	1802	ST.17	100	3.5	92	3.8	107	0.2	2227
110527	1928	+09:00	13 43.833N	142 39.391E	1855	ST.17	100	3.2	108	3.3	85	0.1	2227 IKMT NET DEEPEST
110527	1930	+09:00	13 43.819N	142 39.479E	1925	ST.17	99	2.5	85	3.3	62	0.1	2227
110527	1935	+09:00	13 43.779N	142 39.673E	1980	ST.17	101	2.3	102	2.5	148	0	2227
110527	1940	+09:00	13 43.748N	142 39.898E	1913	ST.17	98	2.8	75	3.3	13	0.5	2228
110527	1945	+09:00	13 43.714N	142 40.113E	1857	ST.17	100	2.7	79	2.9	73	0.1	2228

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110527	1950	+09:00	13 43.682N	142 40.332E	1863	ST.17	101	2.5	90	2.5	25	0	2228
110527	1955	+09:00	13 43.645N	142 40.537E	1932	ST.17	98	2.4	114	2.9	354	0.2	2228
110527	2000	+09:00	13 43.606N	142 40.750E	2130	ST.17	99	2.4	82	2.7	174	0.2	2229
110527	2005	+09:00	13 43.584N	142 40.969E	2297	ST.17	102	2.2	103	2.2	93	0.3	2229
110527	2007	+09:00	13 43.562N	142 41.059E	2322	ST.17	101	2.2	85	2.4	110	0.3	2229 IKMT NET FINISHED
110527	2010	+09:00	13 43.539N	142 41.185E	2386		121	3.2	117	4.1	95	0.5	2229
110527	2013	+09:00	13 43.403N	142 41.133E	2402		225	5.3	228	4.7	13	0.2	2229 CHANGED ENG'S TO T/M
110527	2015	+09:00	13 43.289N	142 41.013E	2429		219	6.6	220	6.4	344	0.5	2229
110527	2020	+09:00	13 42.862N	142 40.601E	2373		221	7.3	223	7	349	0.4	2230
110527	2025	+09:00	13 42.424N	142 40.174E	2259		220	7.3	218	7.5	327	0.4	2231
110527	2030	+09:00	13 41.941N	142 39.725E	2317		221	8.7	216	8.8	347	0.4	2231
110527	2030	+09:00	13 41.879N	142 39.660E	2311		221	9	222	8.6	267	0.9	2231 FINISHED NO.3 ENG FOR REREPAIR
110527	2035	+09:00	13 41.347N	142 39.168E	2258		220	10.5	224	10.3	307	0.3	2232
110527	2040	+09:00	13 40.641N	142 38.548E	2154		220	11.5	224	11.9	316	0.4	2233
110527	2045	+09:00	13 39.893N	142 37.880E	2096		219	12.1	221	12.3	330	0.4	2234
110527	2050	+09:00	13 39.133N	142 37.207E	2049		218	12.3	216	12	333	0.4	2235
110527	2055	+09:00	13 38.380N	142 36.530E	2085		220	12.3	224	11.6	315	0.4	2236
110527	2100	+09:00	13 37.612N	142 35.877E	2128		219	12.2	223	11.8	338	0.6	2237
110527	2105	+09:00	13 36.849N	142 35.207E	2284		219	12.1	224	12	322	0.5	2238
110527	2110	+09:00	13 36.079N	142 34.546E	2331		216	12.4	218	12.1	334	0.7	2239
110527	2115	+09:00	13 35.306N	142 33.895E	2376		216	12.1	222	12.4	315	0.6	2240
110527	2120	+09:00	13 34.512N	142 33.241E	2310		216	12.4	221	12.1	328	0.6	2241
110527	2125	+09:00	13 33.715N	142 32.615E	2206		214	12.4	218	12.1	322	0.7	2242
110527	2130	+09:00	13 32.917N	142 31.992E	2173		215	12.5	216	11.9	324	0.7	2243
110527	2135	+09:00	13 32.114N	142 31.369E	2316		214	12.4	218	11.9	326	0.7	2244
110527	2140	+09:00	13 31.319N	142 30.744E	2329		214	12.1	216	11.8	311	0.7	2245
110527	2142	+09:00	13 30.906N	142 30.411E	2330		215	7.7	220	7.6	330	0.6	2246 S/B NO.3 ENG
110527	2145	+09:00	13 30.675N	142 30.224E	2276		215	9.2	219	10	271	0.6	2246
110527	2150	+09:00	13 29.924N	142 29.606E	2447		215	11.4	220	12	309	0.6	2247
110527	2155	+09:00	13 29.107N	142 28.950E	2318		215	12.5	217	12.3	298	0.6	2248
110527	2200	+09:00	13 28.301N	142 28.332E	2335		211	10.6	217	11	319	0.7	2249
110527	2205	+09:00	13 27.838N	142 28.146E	2237		73	3.5	72	3	240	0.7	2250
110527	2205	+09:00	13 27.840N	142 28.184E	2230		88	3.5	82	3.7	210	0.5	2250 CHANGED ENG'S TO S/M
110527	2208	+09:00	13 27.841N	142 28.288E	2204	ST.18	90	2.1	72	1.8	280	0.5	2250 IKMT NET STARTED
110527	2210	+09:00	13 27.853N	142 28.339E	2198	ST.18	83	2.1	43	3.1			2250
110527	2215	+09:00	13 27.879N	142 28.599E	2198	ST.18	89	3.2	74	3.1	322	0.2	2250
110527	2220	+09:00	13 27.895N	142 28.873E	2149	ST.18	92	3.2	98	3.4	284	0.2	2250
110527	2225	+09:00	13 27.916N	142 29.106E	2142	ST.18	88	2.7	85	2.5	305	0.3	2251
110527	2225	+09:00	13 27.920N	142 29.146E	2132	ST.18	90	2.5	63	2.8	312	0.2	2251 IKMT NET DEEPEST
110527	2230	+09:00	13 27.933N	142 29.313E	2117	ST.18	93	2.4	101	2.5	297	0.3	2251
110527	2235	+09:00	13 27.943N	142 29.502E	2104	ST.18	91	2.5	84	2.6	308	0.4	2251
110527	2240	+09:00	13 27.947N	142 29.700E	2105	ST.18	89	2.5	97	2.3	85	0.3	2251
110527	2245	+09:00	13 27.961N	142 29.874E	2446	ST.18	89	2.3	106	2.6	35	0.3	2251
110527	2250	+09:00	13 27.966N	142 30.048E	2427	ST.18	87	2.3	85	2.2	90	0.3	2252
110527	2255	+09:00	13 27.987N	142 30.241E	2420	ST.18	89	2.5	95	3.2	314	0.3	2252
110527	2300	+09:00	13 28.003N	142 30.432E	2421	ST.18	88	2.2	88	2.6	22	0.2	2252
110527	2305	+09:00	13 28.016N	142 30.614E	2422	ST.18	88	2.1	56	2.3			2252
110527	2310	+09:00	13 28.040N	142 30.809E	2432	ST.18	90	2.3	90	3.7	327	0.4	2252
110527	2315	+09:00	13 28.068N	142 30.998E	2398	ST.18	86	2.1	87	2.4	331	0.4	2253
110527	2320	+09:00	13 28.099N	142 31.173E	2376	ST.18	91	1.8	110	2	47	0.7	2253
110527	2323	+09:00	13 28.095N	142 31.256E	2374	ST.18	93	1.8	126	2.2	93	3.4	2253 IKMT NET FINISHED
110527	2325	+09:00	13 28.089N	142 31.328E	2359		105	2.6	113	2.6	169	0.2	2253
110527	2328	+09:00	13 27.966N	142 31.309E	2338		213	3.8	239	3.7	282	0.4	2253 CHANGED ENG'S TO T/M
110527	2330	+09:00	13 27.869N	142 31.228E	2315		209	5	227	5	329	0.8	2253
110527	2335	+09:00	13 27.409N	142 30.869E	2224		213	8.8	214	8.5	323	0.8	2254
110527	2340	+09:00	13 26.611N	142 30.254E	2044		215	13.8	222	14	325	0.5	2255
110527	2345	+09:00	13 25.608N	142 29.488E	1791		214	15.9	214	16.1	356	0.9	2256
110527	2346	+09:00	13 25.185N	142 29.168E	1733		216	16.3	216	15.7	329	0.6	2257 R/UP ENG'S
110527	2350	+09:00	13 24.536N	142 28.672E	1755		215	16.1	219	16.5	338	0.5	2257
110527	2355	+09:00	13 23.467N	142 27.862E	1756		215	16.6	216	15.9	354	0.5	2259
110528	0	+09:00	13 22.383N	142 27.047E	1752		215	16.3	220	15.9	330	0.5	2260
110528	5	+09:00	13 21.304N	142 26.227E	1747		215	16.8	217	15.8	326	0.4	2262
110528	10	+09:00	13 20.218N	142 25.428E	1754		212	16.9	214	15.6	335	0.3	2263
110528	15	+09:00	13 19.124N	142 24.617E	1497		214	16.6	216	16	340	0.6	2264
110528	20	+09:00	13 18.043N	142 23.822E	1528		215	16.3	216	15.7	341	0.6	2266
110528	25	+09:00	13 16.944N	142 23.017E	1674		213	16.5	213	16.1	355	0.8	2267
110528	30	+09:00	13 15.849N	142 22.226E	1652		213	17.1	212	16	314	0.3	2268
110528	35	+09:00	13 14.743N	142 21.429E	1584		213	16.2	215	16.1	283	0.3	2270
110528	40	+09:00	13 13.632N	142 20.623E	1758		213	16.6	215	16.2	337	0.6	2271
110528	45	+09:00	13 12.526N	142 19.823E	1936		214	16.2	214	16.3	307	0.5	2272
110528	50	+09:00	13 11.399N	142 19.054E	1794		212	17.1	209	16.3	333	0.5	2274
110528	55	+09:00	13 10.273N	142 18.304E	1620		213	16.6	215	16.8	355	0.5	2275
110528	57	+09:00	13 09.665N	142 17.896E	1521		211	16.2	207	15.4	337	0.4	2275 S/B ENG'S USED ENG'S VAR'LY
110528	100	+09:00	13 09.210N	142 17.602E	1421		212	12.1	210	12.7	353	0.5	2276
110528	103	+09:00	13 08.839N	142 17.659E	1291		100	5.2	106	5	213	0.6	2277 CHANGED ENG'S TO S/M
110528	105	+09:00	13 08.822N	142 17.728E	1282		97	3.3	85	2.7	246	0.6	2277
110528	107	+09:00	13 08.809N	142 17.825E	1281	ST.19	94	1.9	109	2.4	82	1.2	2277 IKMT NET STARTED
110528	110	+09:00	13 08.772N	142 17.910E	1270	ST.19	101	2.5	116	2.8	113	0.3	2277
110528	115	+09:00	13 08.691N	142 18.169E	1300	ST.19	101	3.5	117	3.3	197	0.4	2277
110528	120	+09:00	13 08.624N	142 18.444E	0	ST.19	102	3.3	105	3.1	204	0.3	2277
110528	125	+09:00	13 08.547N	142 18.721E	1805	ST.19	100	3.5	101	3.2	212	0.4	2278
110528	130	+09:00	13 08.474N	142 18.995E	1812	ST.19	100	3.2	124	3.7	204	0.3	2278
110528	131	+09:00	13 08.452N	142 19.075E	1829	ST.19	98	2.6	118	2.8	197	0.3	2278 IKMT NET DEEPEST
110528	135	+09:00	13 08.416N	142 19.206E	1878	ST.19	100	2.5	108	2.9	189	0.3	2278
110528	140	+09:00	13 08.361N	142 19.409E	2010	ST.19	100	2.7	90	2.6	164	0.2	2279
110528	145	+09:00	13 08.289N	142 19.587E	2148	ST.19	101	2.3	109	2.3	162	0.7	2279
110528	150	+09:00	13 08.224N	142 19.764E	2222	ST.19	98	2.3	103	3.3	156	0.6	2279
110528	155	+09:00	13 08.154N	142 19.956E	2386	ST.19	100	2.5	99	2.8	179	0.4	2279



Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110528	200	+09:00	13 08.121N	142 20.133E	2523	ST.19	90	2.3	116	2.6	137	0.5	2279
110528	205	+09:00	13 08.106N	142 20.328E	2936	ST.19	89	2.5	121	3.1	221	0.2	2280
110528	210	+09:00	13 08.093N	142 20.517E	2935	ST.19	88	2.4	96	2.3	223	0.7	2280
110528	215	+09:00	13 08.095N	142 20.681E	2946	ST.19	92	1.8	109	1.9			2280
110528	215	+09:00	13 08.092N	142 20.701E	2946	ST.19	92	1.7	82	1.8			2280 IKMT NET FINISHED
110528	220	+09:00	13 07.964N	142 20.774E	2949		230	4	241	4.3	245	0.7	2280
110528	222	+09:00	13 07.844N	142 20.553E	2905		238	6.2	239	6.7	283	0.4	2280 CHANGED ENG'S TO T/M
110528	225	+09:00	13 07.704N	142 20.284E	2861		240	7.9	232	8.5	271	0.6	2281
110528	230	+09:00	13 07.324N	142 19.568E	2556		240	9.5	250	10.3	252	0.6	2282
110528	235	+09:00	13 06.857N	142 18.691E	2146		240	12.7	243	12.8	288	0.4	2283
110528	240	+09:00	13 06.264N	142 17.587E	1778		240	15.9	243	16	316	0.4	2284
110528	245	+09:00	13 05.593N	142 16.375E	1451		239	16.2	240	16.3	221	0.7	2285
110528	250	+09:00	13 04.919N	142 15.161E	1398		241	16.8	244	16.4	270	0.5	2286
110528	255	+09:00	13 04.242N	142 13.947E	1500		240	15.5	239	15.9	342	0.2	2288
110528	300	+09:00	13 03.535N	142 12.802E	1828		222	14.1	226	13.8	348	0.3	2289
110528	305	+09:00	13 02.975N	142 12.373E	1713		127	4	150	4.4	274	1.1	2290
110528	305	+09:00	13 02.945N	142 12.406E	1713		109	3.9	124	3.3	238	0.9	2290 CHANGED ENG'S TO S/M
110528	307	+09:00	13 02.921N	142 12.482E	1717	ST.20	92	1.9	114	1.9	2290		IKMT NET STARTED
110528	310	+09:00	13 02.904N	142 12.542E	1706	ST.20	104	1.9	144	2.1	127	0.9	2290
110528	315	+09:00	13 02.818N	142 12.765E	1656	ST.20	101	3.6	94	3.4	227	0.3	2290
110528	320	+09:00	13 02.735N	142 13.032E	1529	ST.20	100	3.5	101	3.5	192	0.5	2291
110528	325	+09:00	13 02.660N	142 13.309E	1323	ST.20	98	3.3	107	3.5	228	0.4	2291
110528	329	+09:00	13 02.591N	142 13.521E	1170	ST.20	95	2.6	104	2.8	211	0.4	2291 IKMT NET DEEPEST
110528	330	+09:00	13 02.584N	142 13.547E	1160	ST.20	97	2.4	118	2.8	206	0.4	2291
110528	335	+09:00	13 02.513N	142 13.731E	1122	ST.20	100	2.3	107	2.4	226	1	2291
110528	340	+09:00	13 02.477N	142 13.916E	1165	ST.20	92	2.6	89	2.4	208	0.1	2292
110528	345	+09:00	13 02.468N	142 14.111E	1274	ST.20	88	2.4	102	3.4	190	0.5	2292
110528	350	+09:00	13 02.460N	142 14.313E	1320	ST.20	86	2.5	80	2.5	116	0.2	2292
110528	355	+09:00	13 02.444N	142 14.494E	1328	ST.20	86	2.3	90	2.7	172	0.3	2292
110528	400	+09:00	13 02.433N	142 14.677E	1440	ST.20	88	2.1	80	2.1			2292
110528	405	+09:00	13 02.424N	142 14.855E	1547	ST.20	89	2.4	84	2.4			2293
110528	410	+09:00	13 02.441N	142 15.031E	1624	ST.20	88	2.3	47	2.2	79	1.4	2293
110528	413	+09:00	13 02.467N	142 15.137E	1651	ST.20	92	2.2	77	2.8	60	0.8	2293 IKMT NET FINISHED
110528	415	+09:00	13 02.468N	142 15.198E	1643		91	2.5	86	3.3	289	0.2	2293
110528	420	+09:00	13 02.447N	142 15.385E	1658		145	2.6	168	2.7	216	0.3	2293
110528	423	+09:00	13 02.261N	142 15.252E	1732		216	4.7	223	5	294	0.8	2293 CHANGED ENG'S TO T/M
110528	425	+09:00	13 02.166N	142 15.153E	1796		219	6	237	6.7	283	0.8	2294
110528	430	+09:00	13 01.694N	142 14.691E	1920		220	9	212	9.7	280	0.7	2294
110528	435	+09:00	13 01.069N	142 14.077E	2016		221	11.7	222	11.6	285	0.6	2295
110528	440	+09:00	13 00.275N	142 13.314E	2192		218	14.8	216	14.8	296	0.6	2296
110528	445	+09:00	12 59.246N	142 12.479E	2856		217	16.1	219	15.8	315	0.6	2297
110528	450	+09:00	12 58.185N	142 11.604E	3013		218	15.1	224	15.9	306	0.7	2299
110528	455	+09:00	12 57.055N	142 10.846E	2984		210	16.2	212	15.6	336	0.6	2300
110528	500	+09:00	12 55.918N	142 10.122E	2940		210	15.8	216	15.9	322	0.6	2301
110528	504	+09:00	12 55.000N	142 09.532E	2972		208	16.6	208	16.3	316	0.7	2303 SUNRISE & TURNED OFF REGULATION LIGHTS
110528	505	+09:00	12 54.774N	142 09.399E	2978		207	16.2	205	15.7	327	0.6	2303
110528	510	+09:00	12 53.574N	142 08.776E	2928		202	16.3	208	15.5	315	0.5	2304
110528	515	+09:00	12 52.357N	142 08.193E	2933		202	16.2	201	16.2	325	0.9	2306
110528	520	+09:00	12 51.321N	142 07.684E	2993		203	11.3	204	10.8	298	0.7	2307
110528	525	+09:00	12 50.839N	142 07.686E	2724		104	3.8	100	3.5	255	0.4	2307
110528	525	+09:00	12 50.839N	142 07.688E	2724		105	3.6	103	3.3	252	0.5	2307 CHANGED ENG'S TO S/M
110528	528	+09:00	12 50.791N	142 07.802E	2588	ST.21	108	2.3	120	2.4	204	0.3	2307 IKMT NET STARTED
110528	530	+09:00	12 50.764N	142 07.860E	2564	ST.21	110	2.3	111	2.4	135	0.8	2308
110528	535	+09:00	12 50.660N	142 08.054E	2461	ST.21	110	3.6	133	3.5	249	0.4	2308
110528	540	+09:00	12 50.548N	142 08.289E	2369	ST.21	109	3.5	92	2.8	253	0.5	2308
110528	545	+09:00	12 50.444N	142 08.525E	2316	ST.21	110	3.4	83	2.9	256	0.5	2308
110528	550	+09:00	12 50.338N	142 08.745E	2282	ST.21	110	3.4	119	3.2	254	0.7	2309
110528	555	+09:00	12 50.230N	142 08.990E	2215	ST.21	111	3.5	115	3.1	252	0.4	2309
110528	600	+09:00	12 50.125N	142 09.228E	2058	ST.21	112	3.5	131	3.2	260	0.3	2309
110528	605	+09:00	12 50.027N	142 09.476E	1901	ST.21	109	3.7	117	3.6	271	0.4	2309
110528	610	+09:00	12 49.922N	142 09.708E	1801	ST.21	109	3.2	136	3.1	245	0.5	2310
110528	615	+09:00	12 49.824N	142 09.935E	1812	ST.21	111	3.3	124	2.8	270	0.4	2310
110528	616	+09:00	12 49.790N	142 10.026E	1882	ST.21	107	3.4	116	3	270	0.4	2310 IKMT NET DEEPEST
110528	620	+09:00	12 49.750N	142 10.134E	1929	ST.21	110	2.3	139	2.2	142	0.3	2310
110528	625	+09:00	12 49.692N	142 10.265E	1973	ST.21	109	2.2	111	1.7			2310
110528	630	+09:00	12 49.640N	142 10.395E	2155	ST.21	112	2.3	152	2.6			2311
110528	635	+09:00	12 49.588N	142 10.524E	2246	ST.21	106	2.6	94	2	31	0.2	2311
110528	640	+09:00	12 49.541N	142 10.675E	2256	ST.21	110	2.3	120	1.9	87	0.3	2311
110528	645	+09:00	12 49.488N	142 10.821E	2281	ST.21	107	2.3	86	2.4			2311
110528	650	+09:00	12 49.473N	142 10.989E	2300	ST.21	111	2.6	109	2.2	330	0.7	2311
110528	655	+09:00	12 49.450N	142 11.139E	2352	ST.21	112	2.5	108	2.8	68	0.9	2311
110528	700	+09:00	12 49.427N	142 11.308E	2528	ST.21	108	2.5	117	2.7	52	0.6	2312
110528	705	+09:00	12 49.396N	142 11.474E	2637	ST.21	112	2.5	132	2	337	0.5	2312
110528	710	+09:00	12 49.371N	142 11.638E	2752	ST.21	110	2.3	80	2.9	324	0.5	2312
110528	715	+09:00	12 49.342N	142 11.815E	2825	ST.21	109	2.6	135	2.3			2312
110528	720	+09:00	12 49.308N	142 11.986E	2846	ST.21	108	2.9	102	2.1	324	0.6	2312
110528	725	+09:00	12 49.280N	142 12.154E	2900	ST.21	109	2.3	81	1.4	91	2.5	2313
110528	730	+09:00	12 49.255N	142 12.301E	2939	ST.21	110	2.3	109	1.9	90	2.5	2313
110528	735	+09:00	12 49.249N	142 12.445E	2978	ST.21	114	2.1	103	2.1	68	1.3	2313
110528	737	+09:00	12 49.232N	142 12.518E	3002	ST.21	112	2.6	120	2.2	14	0.3	2313 IKMT NET FINISHED
110528	740	+09:00	12 49.223N	142 12.616E	3038		109	2.6	112	1.9	345	0.7	2313
110528	745	+09:00	12 49.099N	142 12.675E	3088		246	3.8	243	4.2	299	1.1	2313
110528	746	+09:00	12 49.090N	142 12.588E	3057		254	4.6	270	5	314	1	2313 CHANGED ENG'S TO T/M
110528	750	+09:00	12 49.001N	142 12.123E	3018		251	8.7	247	9	305	1.1	2314
110528	755	+09:00	12 48.795N	142 11.205E	2792		252	12.9	257	13	332	1	2315
110528	800	+09:00	12 48.495N	142 09.949E	2353		253	16.5	256	16.8	339	0.9	2316
110528	805	+09:00	12 48.130N	142 08.609E	1724		248	16.6	251	17.7	327	1	2317
110528	810	+09:00	12 47.684N	142 07.293E	2191		245	16.5	249	16	0	1.1	2319

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110528	815	+09:00	12 47.203N	142 06.003E	2740		245	16.6	248	15.4	312	1	2320
110528	820	+09:00	12 46.814N	142 05.067E	2865		187	6.2	192	5.5	349	1.2	2321
110528	821	+09:00	12 46.717N	142 05.103E	2870		118	4	144	4	298	1.1	2321 CHANGED ENG'S TO S/M
110528	824	+09:00	12 46.690N	142 05.193E	2852	ST.22	122	1.9	96	1.4			2321 IKMT NET STARTED
110528	825	+09:00	12 46.676N	142 05.220E	2844	ST.22	121	2.5	98	2.7	104	1.6	2321
110528	830	+09:00	12 46.601N	142 05.419E	2803	ST.22	106	3	92	2.9	326	0.8	2322
110528	835	+09:00	12 46.553N	142 05.645E	2732	ST.22	113	3.2	101	2.3	325	0.5	2322
110528	840	+09:00	12 46.501N	142 05.871E	2638	ST.22	108	3.2	105	2.9	339	0.5	2322
110528	845	+09:00	12 46.458N	142 06.099E	2514	ST.22	111	3.2	122	3.7	345	0.5	2322
110528	850	+09:00	12 46.412N	142 06.318E	2399	ST.22	114	2.9	94	3.3	326	0.5	2323
110528	855	+09:00	12 46.378N	142 06.521E	2230	ST.22	109	3.3	94	3.4	340	0.6	2323
110528	900	+09:00	12 46.329N	142 06.790E	2054	ST.22	110	3.2	102	3.4	338	0.7	2323
110528	905	+09:00	12 46.287N	142 07.039E	1906	ST.22	109	3.4	105	3.5	334	0.6	2323
110528	910	+09:00	12 46.238N	142 07.286E	1650	ST.22	110	3.1	99	3	330	0.7	2324
110528	910	+09:00	12 46.233N	142 07.323E	1581	ST.22	108	2.8	94	2.1	329	0.7	2324 IKMT NET DEEPEST
110528	915	+09:00	12 46.222N	142 07.471E	1415	ST.22	110	2.3	118	2	47	0.7	2324
110528	920	+09:00	12 46.203N	142 07.638E	1280	ST.22	108	2.3	96	2.5			2324
110528	925	+09:00	12 46.179N	142 07.820E	1345	ST.22	112	2.7	118	2.9	354	0.6	2324
110528	930	+09:00	12 46.160N	142 08.010E	1484	ST.22	110	2.3	116	2.4	22	0.6	2324
110528	935	+09:00	12 46.141N	142 08.188E	1595	ST.22	110	2.2	90	2.9	9	0.5	2325
110528	940	+09:00	12 46.123N	142 08.356E	1680	ST.22	108	2.3	99	1.8	51	1	2325
110528	945	+09:00	12 46.083N	142 08.507E	1770	ST.22	118	2.3	111	1.8	78	0.7	2325
110528	950	+09:00	12 46.020N	142 08.657E	1827	ST.22	120	2.3	94	2.3	100	0.5	2325
110528	955	+09:00	12 45.954N	142 08.790E	1884	ST.22	122	2.3	106	1.7	115	0.9	2325
110528	1000	+09:00	12 45.885N	142 08.949E	1999	ST.22	122	2.5	93	1.8	74	0.3	2326
110528	1005	+09:00	12 45.814N	142 09.108E	2237	ST.22	120	2.5	98	2.9	358	0.3	2326
110528	1010	+09:00	12 45.738N	142 09.271E	2345	ST.22	122	2.6	129	2.9	324	0.5	2326
110528	1015	+09:00	12 45.666N	142 09.432E	2489	ST.22	120	2.3	127	1.8			2326
110528	1020	+09:00	12 45.600N	142 09.587E	2634	ST.22	117	2.3	108	2.2	68	0.8	2326
110528	1025	+09:00	12 45.531N	142 09.750E	2814	ST.22	124	2.4	81	2.6	335	0.6	2327
110528	1030	+09:00	12 45.493N	142 09.922E	2961	ST.22	111	2.2	123	2			2327
110528	1035	+09:00	12 45.474N	142 10.065E	3035	ST.22	110	1.8	99	1.7			2327
110528	1035	+09:00	12 45.472N	142 10.089E	3063	ST.22	110	2.1	102	2.5	87	4	2327 IKMT NET FINISHED
110528	1040	+09:00	12 45.378N	142 10.073E	3054		269	4.2	274	4.6	336	0.6	2327
110528	1041	+09:00	12 45.390N	142 09.973E	2998		272	5.3	277	5.5	340	0.7	2327 CHANGED ENG'S TO T/M
110528	1045	+09:00	12 45.448N	142 09.543E	2640		272	8	278	8.3	338	0.7	2328
110528	1050	+09:00	12 45.538N	142 08.724E	2114		272	11	277	11.3	346	0.8	2329
110528	1055	+09:00	12 45.631N	142 07.699E	1406		272	12.4	276	13.4	0	0.8	2330
110528	1100	+09:00	12 45.723N	142 06.458E	1873		271	16.2	273	16.3	10	0.8	2331
110528	1103	+09:00	12 45.775N	142 05.616E	2418		269	16.2	270	15.9	24	0.9	2332 R/UP ENG'S
110528	1103	+09:00	12 45.780N	142 05.519E	2526		273	16.5	275	15.7	15	0.9	2332 S/CO ON 271°
110528	1105	+09:00	12 45.824N	142 05.078E	2701		274	15.9	276	17	21	0.8	2332
110528	1110	+09:00	12 45.980N	142 03.710E	2694		273	16.5	277	16.4	5	0.8	2334
110528	1115	+09:00	12 46.135N	142 02.329E	2303		275	16.1	278	16.3	15	0.9	2335
110528	1120	+09:00	12 46.292N	142 00.954E	0		273	15.6	273	15.8	357	1	2336
110528	1125	+09:00	12 46.449N	141 59.561E	1926		274	16.5	273	16.5	350	0.8	2338
110528	1130	+09:00	12 46.585N	141 58.178E	2273		272	16.3	275	16	344	0.9	2339
110528	1135	+09:00	12 46.673N	141 56.791E	2085		270	15.6	271	16.1	359	0.8	2340
110528	1140	+09:00	12 46.720N	141 55.401E	2196		266	16.8	270	15.7	30	0.9	2342
110528	1145	+09:00	12 46.750N	141 54.022E	2192		267	16.8	270	16.1	9	0.7	2343
110528	1150	+09:00	12 46.725N	141 52.656E	2188		266	16.5	269	16.3	29	0.9	2344
110528	1155	+09:00	12 46.716N	141 51.277E	1940		266	16.3	271	16.8	7	0.8	2346
110528	1200	+09:00	12 46.700N	141 49.879E	2056		266	16.8	270	16.7	346	0.8	2347
110528	1205	+09:00	12 46.693N	141 48.481E	2283		266	16.2	272	16.6	357	0.8	2349
110528	1210	+09:00	12 46.688N	141 47.088E	2238		265	16.3	268	16.2	350	0.8	2350
110528	1215	+09:00	12 46.681N	141 45.699E	2305		267	16.3	268	16.3	9	0.9	2351
110528	1220	+09:00	12 46.674N	141 44.310E	2346		267	15.9	269	16	359	0.8	2353
110528	1225	+09:00	12 46.670N	141 42.923E	2352		266	16.2	270	15.4	342	0.8	2354
110528	1230	+09:00	12 46.659N	141 41.534E	2133		265	16.5	271	16.7	330	0.9	2355
110528	1235	+09:00	12 46.648N	141 40.138E	1717		267	16.5	270	16.8	326	0.8	2357
110528	1240	+09:00	12 46.638N	141 38.725E	1750		268	16.3	269	16.7	341	0.8	2358
110528	1245	+09:00	12 46.618N	141 37.338E	1782		266	16.5	266	16	359	0.7	2359
110528	1250	+09:00	12 46.615N	141 35.947E	2241		266	16.6	266	16	342	0.8	2361
110528	1255	+09:00	12 46.654N	141 34.555E	2628		270	15.8	271	16	10	0.7	2362
110528	1300	+09:00	12 46.710N	141 33.160E	2700		270	16.2	271	16.7	327	0.6	2364
110528	1305	+09:00	12 46.764N	141 31.748E	2938		270	16.8	273	17.5	338	0.9	2365
110528	1310	+09:00	12 46.817N	141 30.337E	3028		271	16.3	272	17.5	327	0.8	2366
110528	1315	+09:00	12 46.860N	141 28.926E	2992		270	16.1	273	16.9	341	0.7	2368
110528	1317	+09:00	12 46.887N	141 28.253E	2936		270	16.1	274	17.8	347	0.7	2368 CLEARED OUT EEZ OF U.S.
110528	1317	+09:00	12 46.888N	141 28.248E	2942		270	16.1	273	16.7	347	0.7	2368 ENTERED IN EEZ OF MICRONESIA
110528	1320	+09:00	12 46.912N	141 27.523E	2525		271	15.9	272	16.5	331	0.7	2369
110528	1325	+09:00	12 46.960N	141 26.118E	0		269	16.5	271	16.9	326	0.8	2370
110528	1326	+09:00	12 46.980N	141 25.621E	1432		269	16.2	272	17.2	328	0.8	2371 S/B ENG'S USED ENG'S VAR'LY
110528	1326	+09:00	12 46.980N	141 25.616E	1432		269	16.2	271	17.3	328	0.8	2371 USED HELM VAR'LY
110528	1330	+09:00	12 47.180N	141 24.947E	1498		350	8.4	350	9	304	1.3	2372
110528	1332	+09:00	12 47.387N	141 25.015E	1606		104	2.4	82	2.1			2372 CHANGED ENG'S TO S/M
110528	1335	+09:00	12 47.368N	141 25.043E	0		127	1.9	160	2			2372
110528	1335	+09:00	12 47.362N	141 25.047E	1607	ST.23	124	2.1	159	1.5	121	1.3	2372 IKMT NET STARTED
110528	1340	+09:00	12 47.297N	141 25.152E	1670	ST.23	118	3.5	118	2.9	292	0.8	2372
110528	1345	+09:00	12 47.193N	141 25.358E	1598	ST.23	118	3.6	132	3	302	0.9	2372
110528	1350	+09:00	12 47.087N	141 25.548E	1520	ST.23	116	3.2	98	3	303	1	2373
110528	1355	+09:00	12 46.989N	141 25.751E	1441	ST.23	121	3.5	85	2.8	318	0.8	2373
110528	1400	+09:00	12 46.889N	141 25.967E	1522	ST.23	121	3.5	143	3.6	322	0.7	2373
110528	1405	+09:00	12 46.795N	141 26.188E	1737	ST.23	120	3.5	89	3.1	320	0.8	2373
110528	1410	+09:00	12 46.693N	141 26.405E	1853	ST.23	119	3.2	128	3	316	0.8	2374
110528	1415	+09:00	12 46.593N	141 26.605E	1926	ST.23	118	3.5	136	3.3	316	0.7	2374
110528	1420	+09:00	12 46.492N	141 26.811E	1815	ST.23	119	3.3	124	2.4	305	0.9	2374
110528	1425	+09:00	12 46.398N	141 27.017E	1859	ST.23	121	3.5	153	3.1	324	0.7	2374

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110528	1430	+09:00	12 46.302N	141 27.236E	1963	ST.23	120	3.3	127	3.2	325	0.7	2375
110528	1435	+09:00	12 46.200N	141 27.458E	2244	ST.23	117	3.3	129	2.7	313	0.9	2375
110528	1435	+09:00	12 46.193N	141 27.478E	2238	ST.23	117	2.8	102	2.2	319	0.8	2375 IKMT NET DEEPEST
110528	1440	+09:00	12 46.151N	141 27.602E	2396	ST.23	118	2.5	113	2.2			2375
110528	1445	+09:00	12 46.104N	141 27.736E	2436	ST.23	119	2.3	94	2.4			2375
110528	1450	+09:00	12 46.045N	141 27.886E	2554	ST.23	120	2.5	130	3.2	49	0.4	2375
110528	1455	+09:00	12 45.983N	141 28.047E	2562	ST.23	121	2.5	94	2.3	356	0.3	2376
110528	1500	+09:00	12 45.920N	141 28.210E	2637	ST.23	118	2.7	133	2.2	338	0.7	2376
110528	1505	+09:00	12 45.861N	141 28.366E	2719	ST.23	120	2.5	92	1.8	75	0.8	2376
110528	1510	+09:00	12 45.801N	141 28.517E	2788	ST.23	120	2.4	100	2	53	0.3	2376
110528	1515	+09:00	12 45.734N	141 28.663E	2864	ST.23	118	2.3	96	2.3	66	0.5	2376
110528	1520	+09:00	12 45.674N	141 28.817E	2899	ST.23	118	2.5	97	2.2	79	0.6	2377
110528	1525	+09:00	12 45.606N	141 28.984E	2911	ST.23	118	2.9	143	3	325	0.6	2377
110528	1530	+09:00	12 45.539N	141 29.133E	2906	ST.23	119	2.5	102	2.3	111	2.3	2377
110528	1535	+09:00	12 45.471N	141 29.280E	2902	ST.23	122	2.6	138	2.1	298	0.7	2377
110528	1540	+09:00	12 45.393N	141 29.409E	2884	ST.23	120	2.3	128	1.8			2377
110528	1545	+09:00	12 45.342N	141 29.558E	2878	ST.23	109	2.3	125	2.4	74	0.2	2378
110528	1550	+09:00	12 45.310N	141 29.721E	2880	ST.23	109	2.5	124	2.7	321	0.7	2378
110528	1555	+09:00	12 45.341N	141 29.892E	2882	ST.23	92	2.5	76	2.2	331	0.7	2378
110528	1557	+09:00	12 45.378N	141 30.001E	2767	ST.23	92	2.4	66	2.4	3	0.9	2378 IKMT NET FINISHED
110528	1600	+09:00	12 45.400N	141 30.083E	2764		92	2.5	68	2.7	339	0.8	2378
110528	1605	+09:00	12 45.308N	141 30.181E	2742		218	3.8	229	4	308	0.7	2378
110528	1606	+09:00	12 45.264N	141 30.126E	2741		215	4.5	228	4.5	311	0.9	2379 CHANGED ENG'S TO T/M
110528	1610	+09:00	12 44.979N	141 29.876E	2805		212	6.9	216	6.8	308	0.9	2379
110528	1615	+09:00	12 44.443N	141 29.430E	2735		213	9.1	217	9.4	301	0.9	2380
110528	1620	+09:00	12 43.725N	141 28.851E	2707		214	12	218	11.7	308	0.9	2381
110528	1625	+09:00	12 42.817N	141 28.121E	2561		214	16.2	213	15.2	328	1.2	2382
110528	1630	+09:00	12 41.779N	141 27.304E	2584		214	16.5	217	15.6	328	1.2	2383
110528	1635	+09:00	12 40.734N	141 26.481E	2552		215	15.6	219	15.6	326	1	2384
110528	1640	+09:00	12 39.693N	141 25.666E	2466		215	16.2	220	16.2	329	0.9	2386
110528	1645	+09:00	12 38.851N	141 24.853E	2440		215	16.3	215	15.6	342	1.1	2387
110528	1650	+09:00	12 37.598N	141 24.025E	2519		214	16.5	219	16.2	318	1	2388
110528	1655	+09:00	12 36.546N	141 23.187E	2621		216	16.5	224	16.3	325	1.1	2390
110528	1700	+09:00	12 35.503N	141 22.347E	2480		215	15.5	218	16.4	317	1.1	2391
110528	1705	+09:00	12 34.469N	141 21.497E	2071		214	16.3	219	15.6	332	1.4	2392
110528	1710	+09:00	12 33.723N	141 21.069E	1548		148	8.1	149	7.6	284	0.8	2393
110528	1715	+09:00	12 33.218N	141 21.372E	1504		103	3.9	94	3	307	1.3	2394
110528	1715	+09:00	12 33.218N	141 21.395E	1510		86	3.6	65	3.1	296	1	2394 CHANGED ENG'S TO S/M
110528	1719	+09:00	12 33.284N	141 21.570E	1656	ST.24	108	2.4	112	2	339	0.9	2394 IKMT NET STARTED
110528	1720	+09:00	12 33.284N	141 21.577E	1665	ST.24	109	2.5	120	2.2	339	0.9	2394
110528	1725	+09:00	12 33.281N	141 21.789E	1755	ST.24	118	3.5	118	3.6	344	0.7	2394
110528	1730	+09:00	12 33.147N	141 21.981E	1842	ST.24	127	3.5	118	3	311	0.8	2394
110528	1735	+09:00	12 33.005N	141 22.147E	1966	ST.24	129	3.5	126	2.6	303	0.8	2395
110528	1740	+09:00	12 32.862N	141 22.313E	2043	ST.24	130	3.3	137	2.6	300	0.7	2395
110528	1745	+09:00	12 32.707N	141 22.487E	2070	ST.24	129	3.5	126	3.1	297	0.7	2395
110528	1750	+09:00	12 32.549N	141 22.669E	2138	ST.24	129	3.5	141	3.2	304	0.6	2395
110528	1755	+09:00	12 32.390N	141 22.859E	2200	ST.24	130	3.8	146	3	314	0.7	2396
110528	1756	+09:00	12 32.340N	141 22.919E	2201	ST.24	130	3.3	148	3.2	318	0.5	2396 SUNSET & PUT ON REGULATION LIGHTS
110528	1800	+09:00	12 32.240N	141 23.048E	2152	ST.24	128	3.6	138	3.1	321	0.6	2396
110528	1805	+09:00	12 32.087N	141 23.231E	2196	ST.24	130	3.6	114	2.7	311	0.9	2396
110528	1805	+09:00	12 32.074N	141 23.248E	2209	ST.24	129	3.5	148	3	310	0.8	2396 IKMT NET DEEPEST
110528	1810	+09:00	12 31.980N	141 23.368E	2196	ST.24	128	2.5	148	2.2	123	1	2396
110528	1815	+09:00	12 31.892N	141 23.479E	2164	ST.24	129	2.6	137	1.9	94	0.9	2397
110528	1820	+09:00	12 31.789N	141 23.599E	2140	ST.24	130	2.5	135	2.3			2397
110528	1825	+09:00	12 31.700N	141 23.712E	2145	ST.24	130	2.5	112	1.8	123	0.8	2397
110528	1830	+09:00	12 31.607N	141 23.830E	2176	ST.24	130	2.4	131	1.3			2397
110528	1835	+09:00	12 31.517N	141 23.960E	2177	ST.24	131	2.7	139	2.2	69	0.3	2397
110528	1840	+09:00	12 31.429N	141 24.092E	2177	ST.24	133	2.5	132	2.1			2397
110528	1845	+09:00	12 31.324N	141 24.208E	2193	ST.24	135	2.4	154	1.8	327	0.3	2398
110528	1850	+09:00	12 31.213N	141 24.325E	2189	ST.24	138	2.6	140	1.9			2398
110528	1855	+09:00	12 31.098N	141 24.437E	2180	ST.24	137	2.6	152	2.1			2398
110528	1900	+09:00	12 30.977N	141 24.556E	2172	ST.24	134	2.5	133	2.1			2398
110528	1905	+09:00	12 30.859N	141 24.680E	2160	ST.24	135	2.6	142	2.6	142	0.3	2398
110528	1910	+09:00	12 30.729N	141 24.802E	2157	ST.24	134	2.6	137	2.7	179	0.7	2398
110528	1915	+09:00	12 30.614N	141 24.907E	2217	ST.24	137	2.5	93	2.5	178	1.6	2399
110528	1920	+09:00	12 30.513N	141 24.996E	2232	ST.24	137	2.3	172	2.1			2399
110528	1925	+09:00	12 30.407N	141 25.103E	2280	ST.24	134	2.5	156	2.1	317	0.5	2399
110528	1927	+09:00	12 30.342N	141 25.163E	2315	ST.24	132	2.6	111	2.6	149	0.6	2399 IKMT NET FINISHED
110528	1930	+09:00	12 30.282N	141 25.224E	2355		134	2.8	87	3.1	306	0.4	2399
110528	1935	+09:00	12 30.105N	141 25.324E	2566		197	3.6	198	3.5	308	0.6	2399
110528	1938	+09:00	12 30.030N	141 25.118E	2310		247	4.9	262	4.9	349	0.7	2400 CHANGED ENG'S TO T/M
110528	1940	+09:00	12 29.985N	141 24.956E	2238		248	6.4	260	6.9	324	0.8	2400
110528	1945	+09:00	12 29.774N	141 24.263E	2089		248	9.4	256	9.5	345	0.8	2400
110528	1950	+09:00	12 29.474N	141 23.364E	1989		248	11.7	250	11.7	325	0.8	2401
110528	1955	+09:00	12 29.065N	141 22.209E	1953		247	16.3	250	15.9	345	0.8	2403
110528	2000	+09:00	12 28.572N	141 20.943E	1940		240	16.5	242	16.1	5	0.8	2404
110528	2005	+09:00	12 27.945N	141 19.754E	1994		240	16.1	240	16	335	0.7	2405
110528	2010	+09:00	12 27.338N	141 18.617E	1972		239	12.5	239	12.9	4	1	2407
110528	2015	+09:00	12 27.010N	141 18.155E	1924		174	3.8	166	4.1	291	0.7	2407
110528	2019	+09:00	12 26.895N	141 18.123E	1938		162	0.7	226	0.7			2407 CHANGED ENG'S TO E/M
110528	2020	+09:00	12 26.895N	141 18.118E	1923		160	0.9	226	1.5			2407
110528	2023	+09:00	12 26.854N	141 18.157E	1932	ST.25	100	1.9	117	1.9			2407 3M ORI NET STARTED
110528	2025	+09:00	12 26.846N	141 18.227E	1925	ST.25	98	2.6	84	2.8	88	0.4	2408
110528	2030	+09:00	12 26.831N	141 18.425E	1916	ST.25	99	2.6	92	2.4	317	0.3	2408
110528	2035	+09:00	12 26.808N	141 18.612E	1903	ST.25	99	2.2	87	2.7	18	0.1	2408
110528	2040	+09:00	12 26.791N	141 18.776E	1899	ST.25	99	1.6	108	1.2			2408
110528	2041	+09:00	12 26.787N	141 18.820E	1894	ST.25	99	1.8	89	1.5			2408 3M ORI NET DEEPEST
110528	2045	+09:00	12 26.782N	141 18.897E	1887	ST.25	99	1.8	116	1.6	95	9.4	2408

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110528	2050	+09:00	12 26.761N	141 19.041E	1879	ST.25	99	2	112	1.4			2408
110528	2055	+09:00	12 26.741N	141 19.174E	1876	ST.25	99	1.9	72	1.8	98	5.3	2409
110528	2100	+09:00	12 26.717N	141 19.305E	1876	ST.25	99	1.8	100	1.7			2409
110528	2105	+09:00	12 26.714N	141 19.443E	1871	ST.25	98	1.9	91	1.6			2409
110528	2110	+09:00	12 26.704N	141 19.578E	1867	ST.25	99	1.8	97	1.6			2409
110528	2115	+09:00	12 26.684N	141 19.725E	1860	ST.25	100	2.2	111	2			2409
110528	2120	+09:00	12 26.665N	141 19.869E	1852	ST.25	98	2.1	76	1.9			2409
110528	2125	+09:00	12 26.637N	141 20.001E	1845	ST.25	99	1.8	87	2.2	109	4.1	2409
110528	2130	+09:00	12 26.623N	141 20.134E	1840	ST.25	99	2	95	1.8			2410
110528	2135	+09:00	12 26.616N	141 20.285E	1840	ST.25	99	2.1	90	1.8			2410
110528	2140	+09:00	12 26.599N	141 20.429E	1837	ST.25	99	2	95	1.9			2410
110528	2145	+09:00	12 26.593N	141 20.585E	1824	ST.25	99	1.9	85	2.5	90	1.6	2410
110528	2150	+09:00	12 26.587N	141 20.744E	1806	ST.25	99	1.9	115	2.1	86	1.9	2410
110528	2155	+09:00	12 26.573N	141 20.878E	1798	ST.25	98	1.4	77	1.6			2410
110528	2200	+09:00	12 26.575N	141 20.976E	1790	ST.25	99	1.2	93	1.6			2411
110528	2202	+09:00	12 26.578N	141 21.021E	1787	ST.25	99	0.8	47	1.4			2411 3M ORI NET FINISHED
110528	2205	+09:00	12 26.586N	141 21.064E	1787		96	1.3	82	1.9			2411
110528	2210	+09:00	12 26.506N	141 21.077E	1774		230	1.4	244	1.6			2411
110528	2211	+09:00	12 26.499N	141 21.054E	1773		234	1.3	235	1.6			2411 CHANGED ENG'S TO T/M
110528	2215	+09:00	12 26.449N	141 20.822E	1782		255	5.5	253	5.9	327	0.3	2411
110528	2220	+09:00	12 26.308N	141 20.133E	1804		256	10.7	256	11.1	288	0.8	2412
110528	2225	+09:00	12 26.059N	141 19.001E	1804		257	15.4	258	14.5	313	0.3	2413
110528	2230	+09:00	12 25.746N	141 17.644E	1874		257	16.8	258	16.8	315	0.2	2414
110528	2230	+09:00	12 25.730N	141 17.571E	1877		256	16.2	258	16.1	339	0.3	2414 R/UP ENG'S
110528	2235	+09:00	12 25.424N	141 16.285E	1937		255	16.9	256	16.7	329	0.2	2416
110528	2240	+09:00	12 25.094N	141 14.932E	2019		255	16.9	257	16.5	252	0.1	2417
110528	2245	+09:00	12 24.692N	141 13.591E	2090		254	16.5	256	16.5	303	0.1	2418
110528	2250	+09:00	12 24.288N	141 12.250E	2120		252	16.6	251	16.5	304	0.1	2420
110528	2255	+09:00	12 23.889N	141 10.913E	2146		252	16.3	253	16.2	13	0.2	2421
110528	2300	+09:00	12 23.493N	141 09.592E	2179		253	16.8	255	15.9	22	0.2	2423
110528	2305	+09:00	12 23.097N	141 08.269E	2195		252	16.5	252	16.4	22	0.2	2424
110528	2310	+09:00	12 22.688N	141 06.949E	2172		252	16.2	253	16.6	280	0.3	2425
110528	2312	+09:00	12 22.471N	141 06.234E	2169		253	16.2	253	16.8	320	0.1	2426 S/B ENG'S
110528	2315	+09:00	12 22.301N	141 05.674E	2166		253	14.4	255	14.2	8	0.3	2427
110528	2320	+09:00	12 22.015N	141 05.162E	2152		90	1.7	100	1.6			2427
110528	2323	+09:00	12 22.027N	141 05.197E	2154		52	0.5	343	1.3			2427 CHANGED ENG'S TO E/M
110528	2325	+09:00	12 22.056N	141 05.214E	2155		95	1.3	18	0.6			2427
110528	2326	+09:00	12 22.042N	141 05.253E	2154	ST.26	122	1.8	116	2			2427 3M ORI NET STARTED
110528	2330	+09:00	12 21.977N	141 05.353E	2141	ST.26	119	2.5	122	2.3	152	0.3	2428
110528	2335	+09:00	12 21.880N	141 05.498E	2130	ST.26	120	2.4	143	2.4	137	0.5	2428
110528	2340	+09:00	12 21.765N	141 05.678E	2113	ST.26	118	2.6	115	2.4	224	0.3	2428
110528	2344	+09:00	12 21.681N	141 05.817E	2098	ST.26	119	1.8	121	1.8			2428 3M ORI NET DEEPEST
110528	2345	+09:00	12 21.672N	141 05.829E	2097	ST.26	121	1.8	120	2			2428
110528	2350	+09:00	12 21.581N	141 05.950E	2082	ST.26	120	1.9	146	2.6	134	2.3	2428
110528	2355	+09:00	12 21.498N	141 06.078E	2068	ST.26	122	2	145	2.3	129	1.8	2428
110529	0	+09:00	12 21.407N	141 06.192E	2052	ST.26	119	1.9	121	1.7			2429
110529	5	+09:00	12 21.327N	141 06.316E	2038	ST.26	120	2	150	2.1	128	2.5	2429
110529	10	+09:00	12 21.256N	141 06.420E	2025	ST.26	120	1.8	124	2			2429
110529	15	+09:00	12 21.191N	141 06.525E	2016	ST.26	119	2	74	2.3			2429
110529	20	+09:00	12 21.115N	141 06.636E	2003	ST.26	120	2.1	148	2.3	126	6.6	2429
110529	25	+09:00	12 21.036N	141 06.741E	1990	ST.26	120	2	133	1.3			2429
110529	30	+09:00	12 20.961N	141 06.858E	1982	ST.26	120	2.2	120	1.5			2430
110529	35	+09:00	12 20.896N	141 06.970E	1992	ST.26	119	1.9	124	1.4			2430
110529	40	+09:00	12 20.822N	141 07.079E	2111	ST.26	121	2	168	1.7	129	3	2430
110529	45	+09:00	12 20.746N	141 07.193E	2188	ST.26	121	2	121	1.6			2430
110529	50	+09:00	12 20.680N	141 07.307E	2558	ST.26	118	1.8	154	1.4			2430
110529	55	+09:00	12 20.642N	141 07.377E	2527	ST.26	118	1.4	136	1.3			2430
110529	57	+09:00	12 20.628N	141 07.405E	2628	ST.26	118	0.9	174	0.3			2430 3M ORI NET FINISHED
110529	100	+09:00	12 20.624N	141 07.409E	2667		105	0.9	50	1.6			2430
110529	105	+09:00	12 20.760N	141 07.583E	2078		69	3.2	50	3	322	0.8	2431
110529	107	+09:00	12 20.816N	141 07.643E	1979		80	1	80	0.7			2431 CHANGED ENG'S TO T/M
110529	107	+09:00	12 20.816N	141 07.643E	1979		80	1	38	1.4			2431 SLOW AHEAD ENG'S
110529	110	+09:00	12 20.875N	141 07.719E	1965		62	4.2	62	4.3	358	0.8	2431
110529	115	+09:00	12 21.211N	141 08.262E	1918		62	9.1	60	8.8	343	0.6	2431
110529	120	+09:00	12 21.649N	141 08.997E	1940		61	11.1	62	11.3	341	0.5	2432
110529	125	+09:00	12 22.189N	141 09.936E	1992		61	14.6	60	15	350	0.5	2433
110529	130	+09:00	12 22.853N	141 11.097E	2023		60	16.5	60	16.3	296	0.5	2435
110529	135	+09:00	12 23.540N	141 12.254E	2035		60	16.2	58	15.7	281	0.5	2436
110529	140	+09:00	12 24.197N	141 13.406E	2060		60	15.8	58	15.1	261	0.2	2437
110529	145	+09:00	12 24.862N	141 14.553E	2042		60	16.3	63	15.7	290	0.6	2439
110529	150	+09:00	12 25.527N	141 15.711E	1981		60	16.6	60	16	263	0.4	2440
110529	155	+09:00	12 26.192N	141 16.855E	1949		61	16.1	58	15.7	272	0.4	2441
110529	200	+09:00	12 26.679N	141 17.682E	1912		60	7	59	6.8	269	0.7	2442
110529	203	+09:00	12 26.756N	141 17.861E	1910		122	1	90	0.7			2442 STOPPED ENG'S
110529	205	+09:00	12 26.746N	141 17.864E	1910		144	0.6	136	0.8			2442
110529	205	+09:00	12 26.741N	141 17.861E	1910		153	0.5	217	1.1			2442 CHANGED ENG'S TO E/M
110529	208	+09:00	12 26.712N	141 17.859E	1912	ST.27	101	1	156	1			2442 3M ORI NET STARTED
110529	210	+09:00	12 26.708N	141 17.872E	1942	ST.27	99	1.3	118	1			2442
110529	215	+09:00	12 26.696N	141 17.979E	1923	ST.27	99	2.3	102	1.7	96	3.8	2443
110529	220	+09:00	12 26.673N	141 18.156E	1914	ST.27	98	2.6	91	2.2	305	0.3	2443
110529	225	+09:00	12 26.649N	141 18.354E	1899	ST.27	99	2.8	103	2.5	342	0.1	2443
110529	228	+09:00	12 26.637N	141 18.472E	1889	ST.27	100	2.1	100	1.5	91	2.2	2443 3M ORI NET DEEPEST
110529	230	+09:00	12 26.630N	141 18.511E	1890	ST.27	100	1.8	100	1.4			2443
110529	235	+09:00	12 26.632N	141 18.634E	1882	ST.27	99	2	74	1.9			2443
110529	240	+09:00	12 26.629N	141 18.789E	1868	ST.27	99	2.1	121	2.3			2443
110529	245	+09:00	12 26.619N	141 18.937E	1861	ST.27	99	1.9	98	1.9	87	1.9	2444
110529	250	+09:00	12 26.607N	141 19.100E	1856	ST.27	99	2.1	98	2			2444
110529	255	+09:00	12 26.603N	141 19.248E	1855	ST.27	100	1.9	101	1.6			2444

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110529	300	+09:00	12 26.591N	141 19.406E	1860	ST.27	101	2.2	83	2	103	1.2	2444
110529	305	+09:00	12 26.589N	141 19.554E	1852	ST.27	99	1.8	97	1.9			2444
110529	310	+09:00	12 26.583N	141 19.714E	1846	ST.27	100	2	78	2.4	80	2	2444
110529	315	+09:00	12 26.576N	141 19.867E	1839	ST.27	101	1.9	87	2.1			2445
110529	320	+09:00	12 26.580N	141 20.010E	1835	ST.27	100	1.7	119	1.5	84	5.8	2445
110529	325	+09:00	12 26.572N	141 20.165E	1838	ST.27	101	2.1	117	2.1	83	1.7	2445
110529	330	+09:00	12 26.566N	141 20.320E	1838	ST.27	98	1.8	86	1.6			2445
110529	335	+09:00	12 26.565N	141 20.462E	1830	ST.27	99	1.9	106	1.8			2445
110529	340	+09:00	12 26.574N	141 20.572E	1826	ST.27	100	1.4	109	1.4			2445
110529	343	+09:00	12 26.590N	141 20.625E	1822	ST.27	100	0.9	39	1.3			2445 3M ORI NET FINISHED
110529	345	+09:00	12 26.598N	141 20.636E	1823		101	0.6	36	1.3			2445
110529	350	+09:00	12 26.792N	141 20.725E	1840		7	3.9	1	4.4	331	0.8	2446
110529	353	+09:00	12 26.951N	141 20.724E	1867		28	1.3	24	1.8	334	1.4	2446 CHANGED ENG'S TO T/M
110529	353	+09:00	12 26.954N	141 20.725E	1867		29	1.3	349	2.3			2446 SLOW AHEAD ENG'S
110529	355	+09:00	12 27.040N	141 20.725E	1870		4	3.3	0	3.9	331	1	2446
110529	400	+09:00	12 27.554N	141 20.735E	1902		5	7	2	7.7	334	1	2446
110529	405	+09:00	12 28.369N	141 20.769E	1931		5	11.1	3	11.4	343	0.9	2447
110529	410	+09:00	12 29.401N	141 20.823E	1981		4	13.1	5	13.5	340	0.8	2448
110529	415	+09:00	12 30.628N	141 20.907E	1455		6	14.2	6	14.3	346	0.6	2450
110529	420	+09:00	12 31.879N	141 21.008E	1258		5	15	6	15	20	0.4	2451
110529	425	+09:00	12 32.913N	141 21.074E	1188		14	7.9	8	8.5	324	1	2452
110529	429	+09:00	12 33.057N	141 21.317E	1359		79	1	34	1.6			2452 STOPPED ENG'S
110529	430	+09:00	12 33.060N	141 21.320E	1378		79	1	64	0.7			2452
110529	431	+09:00	12 33.081N	141 21.332E	1425		80	0.6	349	0.5			2452 CHANGED ENG'S TO E/M
110529	434	+09:00	12 33.114N	141 21.378E	1433	ST.28	79	2	48	2.2	41	6.4	2452 3M ORI NET STARTED
110529	435	+09:00	12 33.126N	141 21.402E	1459	ST.28	78	2.1	60	1.7			2452
110529	440	+09:00	12 33.203N	141 21.543E	1569	ST.28	80	2	58	2.4	48	2	2452
110529	445	+09:00	12 33.287N	141 21.723E	1716	ST.28	79	2.9	52	3.2	354	0.7	2453
110529	450	+09:00	12 33.372N	141 21.899E	1830	ST.28	79	2.3	60	2.1	341	0.7	2453
110529	450	+09:00	12 33.379N	141 21.914E	1861	ST.28	80	2.4	67	2.4	359	0.6	2453 3M ORI NET DEEPEST
110529	455	+09:00	12 33.437N	141 22.038E	1930	ST.28	79	1.7	65	1.6			2453
110529	500	+09:00	12 33.509N	141 22.163E	2019	ST.28	81	1.8	63	1.8			2453
110529	505	+09:00	12 33.576N	141 22.299E	2090	ST.28	81	1.9	53	1.9			2453
110529	506	+09:00	12 33.593N	141 22.333E	2123	ST.28	79	2	56	2.1	52	3.8	2453 SUNRISE & TURNED OFF REGULATION LIGHTS
110529	510	+09:00	12 33.649N	141 22.443E	2155	ST.28	79	1.9	54	2	45	2	2454
110529	515	+09:00	12 33.720N	141 22.577E	2206	ST.28	80	1.9	41	1.8			2454
110529	520	+09:00	12 33.790N	141 22.710E	2276	ST.28	80	1.9	66	2	50	3.6	2454
110529	525	+09:00	12 33.865N	141 22.839E	2308	ST.28	79	1.7	54	1.5	43	2.7	2454
110529	530	+09:00	12 33.942N	141 22.971E	2357	ST.28	81	2.1	77	1.9			2454
110529	535	+09:00	12 34.027N	141 23.107E	2366	ST.28	81	1.9	56	2.8	33	1.6	2454
110529	540	+09:00	12 34.108N	141 23.238E	2358	ST.28	80	1.8	59	2			2454
110529	545	+09:00	12 34.187N	141 23.371E	2393	ST.28	79	1.9	65	2.1			2455
110529	550	+09:00	12 34.262N	141 23.512E	2398	ST.28	79	1.8	42	2.2			2455
110529	555	+09:00	12 34.342N	141 23.634E	2400	ST.28	80	1.7	70	1.8			2455
110529	600	+09:00	12 34.423N	141 23.781E	2421	ST.28	80	2.5	62	2.3	329	0.6	2455
110529	601	+09:00	12 34.446N	141 23.832E	2433	ST.28	80	2.5	52	2.8	338	0.6	2455 3M ORI NET FINISHED
110529	605	+09:00	12 34.530N	141 23.947E	2411		30	2.4	20	2.8	339	0.7	2455
110529	610	+09:00	12 34.875N	141 23.932E	2445		13	3.8	356	4.4	311	1	2456
110529	612	+09:00	12 35.024N	141 23.942E	2472		12	2.6	352	3.4	307	0.9	2456 CHANGED ENG'S TO T/M
110529	615	+09:00	12 35.175N	141 23.923E	2485		2	5.1	359	6.4	327	1.2	2456
110529	620	+09:00	12 35.914N	141 23.901E	2531		2	8.8	359	10.2	311	0.7	2457
110529	625	+09:00	12 36.871N	141 23.888E	2563		1	12.7	7	13.5	335	0.8	2458
110529	630	+09:00	12 38.108N	141 23.889E	2555		1	15.8	0	16	336	0.7	2459
110529	635	+09:00	12 39.488N	141 23.921E	2696		4	15.5	0	16.1	333	0.7	2460
110529	640	+09:00	12 40.851N	141 23.986E	2671		4	15.9	3	16.4	336	0.6	2462
110529	645	+09:00	12 42.210N	141 24.062E	2839		4	15.8	6	16.6	306	0.3	2463
110529	650	+09:00	12 43.557N	141 24.134E	2688		3	16.2	5	16.3	352	0.4	2464
110529	655	+09:00	12 44.908N	141 24.208E	2302		4	15.9	2	16	328	0.4	2466
110529	700	+09:00	12 46.223N	141 24.271E	1606		4	14.1	3	15	318	0.3	2467
110529	705	+09:00	12 46.958N	141 24.593E	1104		95	4.6	94	4.5	325	0.9	2468
110529	707	+09:00	12 46.981N	141 24.700E	1126		82	0.9	41	1.1			2468 STOPPED ENG'S
110529	709	+09:00	12 47.002N	141 24.718E	1177		81	0.8	139	1.5	39	3.3	2468 CHANGED ENG'S TO E/M
110529	710	+09:00	12 47.010N	141 24.725E	1179		82	0.7	40	1.5			2468
110529	712	+09:00	12 47.035N	141 24.782E	1210	ST.29	90	2.2	89	2.3	49	1.9	2468 3M ORI NET STARTED
110529	715	+09:00	12 47.058N	141 24.866E	1290	ST.29	89	1.8	76	1.5	60	2.5	2468
110529	720	+09:00	12 47.101N	141 25.048E	1534	ST.29	88	2.4	77	3	358	0.5	2468
110529	725	+09:00	12 47.149N	141 25.252E	1620	ST.29	89	2.6	50	3.1	358	0.5	2469
110529	729	+09:00	12 47.191N	141 25.434E	1704	ST.29	90	2.5	78	2.6	8	0.5	2469 3M ORI NET DEEPEST
110529	730	+09:00	12 47.197N	141 25.461E	1606	ST.29	89	2.3	73	2.5	357	0.5	2469
110529	735	+09:00	12 47.238N	141 25.619E	1548	ST.29	89	1.7	83	1.6			2469
110529	740	+09:00	12 47.279N	141 25.761E	1531	ST.29	89	1.9	68	2	45	0.9	2469
110529	745	+09:00	12 47.314N	141 25.922E	1671	ST.29	90	1.9	80	2.4	11	0.5	2469
110529	750	+09:00	12 47.346N	141 26.095E	1734	ST.29	91	2.1	94	1.5			2470
110529	755	+09:00	12 47.373N	141 26.254E	1843	ST.29	88	2.1	58	2.1	72	3.2	2470
110529	800	+09:00	12 47.400N	141 26.410E	2062	ST.29	89	1.8	83	2.4	71	2.2	2470
110529	805	+09:00	12 47.430N	141 26.568E	2122	ST.29	90	2.1	110	2.3	71	2.2	2470
110529	810	+09:00	12 47.451N	141 26.721E	2257	ST.29	90	1.8	112	2	77	3.6	2470
110529	815	+09:00	12 47.471N	141 26.870E	2413	ST.29	89	1.8	86	1.7			2470
110529	820	+09:00	12 47.489N	141 27.019E	2510	ST.29	88	1.9	74	1.9	81	5.6	2471
110529	825	+09:00	12 47.514N	141 27.160E	2608	ST.29	89	1.8	68	1.9			2471
110529	830	+09:00	12 47.534N	141 27.312E	2691	ST.29	90	1.8	79	1.7	78	1.5	2471
110529	835	+09:00	12 47.552N	141 27.465E	2764	ST.29	88	1.9	72	1.9			2471
110529	840	+09:00	12 47.580N	141 27.612E	2883	ST.29	90	1.5	71	1.7			2471
110529	845	+09:00	12 47.607N	141 27.709E	2960	ST.29	89	1.1	29	1.3			2471
110529	847	+09:00	12 47.616N	141 27.746E	2966	ST.29	92	1.1	83	0.9			2471
110529	847	+09:00	12 47.617N	141 27.747E	2970	ST.29	93	1.1	57	1.1			2471 3M ORI NET FINISHED
110529	850	+09:00	12 47.626N	141 27.830E	2985		89	2.7	74	2.7	8	0.3	2472
110529	850	+09:00	12 47.626N	141 27.837E	2989		89	2.6	71	2.9	13	0.2	2472 CLEARED OUT MICRONESIAN EEZ



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110529	855	+09:00	12 47.600N	141 28.046E	3003		108	1.5	131	1.7		2472	
110529	856	+09:00	12 47.594N	141 28.076E	3004		101	2	114	2.4	98	2.7	2472 CHANGED ENG'S TO T/M
110529	900	+09:00	12 47.558N	141 28.339E	3027		101	5.7	101	5.9	52	0.2	2472
110529	905	+09:00	12 47.445N	141 28.990E	3047		101	10.3	102	10.1	89	0.4	2473
110529	910	+09:00	12 47.265N	141 29.963E	3090		101	13.8	98	13.4	324	0.3	2474
110529	915	+09:00	12 46.988N	141 31.209E	2997		103	16.5	102	15.2	302	0.4	2475
110529	920	+09:00	12 46.679N	141 32.518E	2753		103	16.6	102	15.3	288	0.6	2476
110529	925	+09:00	12 46.376N	141 33.817E	2608		104	15.8	105	15.6	284	0.1	2477
110529	930	+09:00	12 46.056N	141 35.122E	2532		103	16.2	102	16	273	0.6	2479
110529	935	+09:00	12 45.740N	141 36.433E	2200		104	16.2	104	15.3	300	0.4	2480
110529	940	+09:00	12 45.438N	141 37.753E	1840		104	15.9	102	15.5	312	0.5	2481
110529	945	+09:00	12 45.155N	141 39.015E	1485		103	12.5	100	12.1	312	0.4	2483
110529	950	+09:00	12 45.012N	141 39.753E	1764		103	5.9	94	5.5	307	0.4	2484
110529	954	+09:00	12 44.997N	141 39.941E	1904		75	1.1	44	1.8			2484 CHANGED ENG'S TO E/M
110529	955	+09:00	12 44.999N	141 39.945E	1884		75	1.1	51	1.4			2484
110529	956	+09:00	12 45.013N	141 39.987E	1866	ST.30	90	2.1	67	2.4	72	5.9	2484 3M ORI NET STARTED
110529	1000	+09:00	12 45.029N	141 40.099E	1926	ST.30	89	1.9	88	1.8			2484
110529	1005	+09:00	12 45.054N	141 40.284E	1963	ST.30	90	2.2	92	1.9			2484
110529	1010	+09:00	12 45.086N	141 40.482E	1986	ST.30	89	2.4	62	2.9	33	0.5	2484
110529	1011	+09:00	12 45.093N	141 40.526E	1970	ST.30	90	2.3	78	2.6	24	0.4	2484 3M ORI NET DEEPEST
110529	1015	+09:00	12 45.121N	141 40.673E	1974	ST.30	89	2.1	74	1.9	5	0.4	2485
110529	1020	+09:00	12 45.149N	141 40.844E	2011	ST.30	90	1.9	109	1.9	49	0.8	2485
110529	1025	+09:00	12 45.178N	141 41.018E	2015	ST.30	89	1.9	106	2.1	55	0.7	2485
110529	1030	+09:00	12 45.207N	141 41.193E	2016	ST.30	90	1.8	98	2.1	69	1.5	2485
110529	1035	+09:00	12 45.242N	141 41.359E	2061	ST.30	91	1.9	60	2.5			2485
110529	1040	+09:00	12 45.276N	141 41.515E	2107	ST.30	92	1.8	70	1.8	70	3.3	2485
110529	1045	+09:00	12 45.311N	141 41.668E	2134	ST.30	92	1.7	100	1.8			2486
110529	1050	+09:00	12 45.350N	141 41.823E	2137	ST.30	89	1.8	80	1.9			2486
110529	1055	+09:00	12 45.393N	141 41.973E	2187	ST.30	90	1.8	81	2	64	2.5	2486
110529	1100	+09:00	12 45.430N	141 42.141E	2204	ST.30	91	1.9	74	2.1	61	1.1	2486
110529	1105	+09:00	12 45.456N	141 42.312E	2190	ST.30	89	1.9	72	2	70	1	2486
110529	1110	+09:00	12 45.482N	141 42.471E	2184	ST.30	90	1.5	78	1.6			2487
110529	1115	+09:00	12 45.504N	141 42.553E	2181	ST.30	90	0.9	84	1			2487
110529	1117	+09:00	12 45.517N	141 42.596E	2183	ST.30	90	0.8	44	1.2			2487 3M ORI NET FINISHED
110529	1120	+09:00	12 45.528N	141 42.676E	2178		91	3.5	81	3.9	60	0.5	2487
110529	1125	+09:00	12 45.550N	141 43.001E	2176		88	2.6	78	3.2	30	0.4	2487
110529	1126	+09:00	12 45.557N	141 43.056E	2182		88	3	84	3.4	43	0.4	2487 CHANGED ENG'S TO T/M
110529	1130	+09:00	12 45.588N	141 43.423E	2260		89	7.7	84	8.1	30	0.4	2487
110529	1135	+09:00	12 45.639N	141 44.352E	2284		88	14.5	86	14.1	325	0.5	2488
110529	1139	+09:00	12 45.693N	141 45.418E	2244		89	16.5	88	15.8	321	0.5	2489 R/UP ENG'S
110529	1140	+09:00	12 45.705N	141 45.678E	2211		89	16.8	87	15.7	324	0.5	2490
110529	1145	+09:00	12 45.772N	141 47.049E	2169		89	16.5	86	16	311	0.4	2491
110529	1150	+09:00	12 45.829N	141 48.415E	2204		89	16.6	88	16.1	307	0.3	2492
110529	1155	+09:00	12 45.873N	141 49.780E	2044		89	15.8	86	16.1	289	0.4	2494
110529	1200	+09:00	12 45.913N	141 51.147E	1792		88	16.3	88	15.9	276	0.3	2495
110529	1205	+09:00	12 45.940N	141 52.501E	2104		88	16.3	87	15.9	261	0.4	2496
110529	1210	+09:00	12 45.977N	141 53.862E	2117		88	16.3	87	15.4	256	0.2	2498
110529	1215	+09:00	12 46.018N	141 55.220E	1995		88	16.6	88	16.4	258	0.3	2499
110529	1220	+09:00	12 46.063N	141 56.573E	2228		88	16.2	86	16	272	0.6	2500
110529	1225	+09:00	12 46.109N	141 57.921E	2292		88	16.3	88	16	279	0.5	2502
110529	1230	+09:00	12 46.161N	141 59.285E	2009		89	15.6	90	16.2	289	0.3	2503
110529	1235	+09:00	12 46.207N	142 00.640E	2390		88	16.2	88	15.8	281	0.3	2504
110529	1240	+09:00	12 46.263N	142 02.004E	2339		88	16.3	91	15.8	351	0.2	2506
110529	1245	+09:00	12 46.321N	142 03.376E	2531		88	16.9	88	16.3	7	0.3	2507
110529	1245	+09:00	12 46.329N	142 03.578E	2610		88	16.8	87	16.2	325	0.3	2507 S/B ENG'S
110529	1250	+09:00	12 46.371N	142 04.431E	2882		88	7.3	86	7	341	0.2	2508
110529	1253	+09:00	12 46.395N	142 04.680E	2854		91	1.6	81	2.2	26	0.6	2508 STOPPED ENG'S
110529	1255	+09:00	12 46.406N	142 04.725E	2858		100	1.6	68	1.6			2508
110529	1255	+09:00	12 46.409N	142 04.739E	2857		103	1.3	74	1.5			2508 CHANGED ENG'S TO E/M
110529	1258	+09:00	12 46.418N	142 04.803E	2854	ST.31	89	1.5	96	1.6			2508 3M ORI NET STARTED
110529	1300	+09:00	12 46.432N	142 04.865E	2860	ST.31	90	1.6	72	2.4	47	0.6	2508
110529	1305	+09:00	12 46.466N	142 05.066E	2828	ST.31	89	2.4	102	3.2	49	0.6	2509
110529	1310	+09:00	12 46.487N	142 05.304E	2807	ST.31	89	2.4	83	2.9	57	0.4	2509
110529	1315	+09:00	12 46.506N	142 05.552E	2765	ST.31	90	2.4	95	2.8	70	0.3	2509
110529	1320	+09:00	12 46.521N	142 05.757E	2702	ST.31	90	2	93	2.1	75	0.5	2509
110529	1320	+09:00	12 46.524N	142 05.788E	2698	ST.31	89	1.9	74	1.9	59	0.4	2509 3M ORI NET DEEPEST
110529	1325	+09:00	12 46.544N	142 05.938E	2616	ST.31	90	1.8	94	2.4	57	0.5	2510
110529	1330	+09:00	12 46.563N	142 06.137E	2575	ST.31	89	1.9	86	2.2	56	0.3	2510
110529	1335	+09:00	12 46.580N	142 06.333E	2530	ST.31	90	1.9	78	2	62	0.4	2510
110529	1340	+09:00	12 46.598N	142 06.528E	2369	ST.31	90	1.9	90	2.4	61	0.5	2510
110529	1345	+09:00	12 46.618N	142 06.724E	2167	ST.31	90	1.9	82	2.5	49	0.3	2510
110529	1350	+09:00	12 46.635N	142 06.907E	1989	ST.31	89	1.8	73	1.9			2511
110529	1355	+09:00	12 46.651N	142 07.087E	1913	ST.31	88	1.8	83	2.2	70	0.5	2511
110529	1400	+09:00	12 46.669N	142 07.270E	1701	ST.31	89	2	98	2.1	70	0.6	2511
110529	1405	+09:00	12 46.684N	142 07.457E	1526	ST.31	90	1.9	78	2.4	62	0.3	2511
110529	1410	+09:00	12 46.697N	142 07.641E	0	ST.31	90	2	80	2.1	76	0.6	2511
110529	1415	+09:00	12 46.705N	142 07.827E	1219	ST.31	90	1.9	98	2.4	78	0.4	2512
110529	1420	+09:00	12 46.715N	142 08.004E	1219	ST.31	89	1.9	80	2.2	41	0.2	2512
110529	1425	+09:00	12 46.729N	142 08.173E	1242	ST.31	90	1.9	58	2	76	0.6	2512
110529	1430	+09:00	12 46.741N	142 08.325E	1375	ST.31	90	1.6	79	2.9	84	6.3	2512
110529	1433	+09:00	12 46.748N	142 08.427E	1455	ST.31	89	1.2	121	1.2			2512 3M ORI NET FINISHED
110529	1435	+09:00	12 46.750N	142 08.442E	1476		90	0.8	60	0.8			2512
110529	1440	+09:00	12 46.932N	142 08.464E	1520		352	4.6	346	5.3	329	0.7	2512
110529	1445	+09:00	12 47.516N	142 08.351E	1590		350	7.7	342	8.2	345	0.6	2513
110529	1450	+09:00	12 48.208N	142 08.219E	1776		350	8.1	346	8.5	341	0.7	2514
110529	1455	+09:00	12 48.911N	142 08.089E	2109		350	8.1	352	8.2	349	0.5	2515
110529	1500	+09:00	12 49.613N	142 07.972E	2387		351	8	349	8.5	0	0.3	2515
110529	1505	+09:00	12 50.299N	142 07.861E	2498		351	8.2	347	8.4	354	0.4	2516



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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110529	1510	+09:00	12 50.890N	142 07.807E	2726		45	3.6	41	3.5	245	0.3	2517
110529	1512	+09:00	12 50.955N	142 07.892E	2702	ST.32	62	1.9	73	2.2	333	0.3	2517 3M ORI NET STARTED
110529	1515	+09:00	12 51.004N	142 07.970E	2668	ST.32	60	1.9	44	2.4	51	0.6	2517
110529	1520	+09:00	12 51.105N	142 08.135E	2685	ST.32	60	2.4	40	2.6	34	0.1	2517
110529	1525	+09:00	12 51.190N	142 08.348E	2514	ST.32	69	2.6	83	2.9	64	0.2	2517
110529	1530	+09:00	12 51.270N	142 08.556E	2394	ST.32	70	2.1	70	2.3	16	0.2	2517
110529	1530	+09:00	12 51.272N	142 08.559E	2394	ST.32	70	2.1	65	2.2	59	0.3	2517 3M ORI NET DEEPEST
110529	1535	+09:00	12 51.336N	142 08.719E	2283	ST.32	70	1.8	77	2	66	0.8	2518
110529	1540	+09:00	12 51.392N	142 08.891E	2230	ST.32	81	2.1	101	2.1	71	0.4	2518
110529	1545	+09:00	12 51.425N	142 09.070E	2137	ST.32	81	1.9	74	2.1	81	0.2	2518
110529	1550	+09:00	12 51.458N	142 09.249E	2084	ST.32	80	2	77	2.2	57	0.1	2518
110529	1555	+09:00	12 51.490N	142 09.431E	1894	ST.32	79	1.9	71	2.6	84	0.2	2518
110529	1600	+09:00	12 51.524N	142 09.608E	1782	ST.32	81	1.9	75	2.5	77	1.7	2519
110529	1605	+09:00	12 51.556N	142 09.774E	1730	ST.32	79	2	81	2.1	75	1.3	2519
110529	1610	+09:00	12 51.588N	142 09.944E	1680	ST.32	80	1.9	72	2.5	79	0.2	2519
110529	1615	+09:00	12 51.614N	142 10.122E	1614	ST.32	80	1.9	77	2.3			2519
110529	1620	+09:00	12 51.646N	142 10.293E	1581	ST.32	80	1.8	79	2.5	72	0.8	2519
110529	1625	+09:00	12 51.656N	142 10.468E	1579	ST.32	81	1.9	59	2.4	143	0.4	2520
110529	1630	+09:00	12 51.662N	142 10.644E	1570	ST.32	80	1.8	94	2.3			2520
110529	1635	+09:00	12 51.673N	142 10.814E	1527	ST.32	76	1.7	102	2.5	84	1.5	2520
110529	1638	+09:00	12 51.696N	142 10.939E	1491	ST.32	79	2.5	86	3	71	0.3	2520 3M ORI NET FINISHED
110529	1640	+09:00	12 51.713N	142 11.031E	1514		78	2.9	84	3	70	0.2	2520
110529	1645	+09:00	12 51.941N	142 11.180E	1575		5	4.7	19	5.1	6	0.2	2520
110529	1649	+09:00	12 52.220N	142 11.222E	1554		13	2.3	358	2.7	334	0.3	2521 CHANGED ENG'S TO T/M
110529	1650	+09:00	12 52.225N	142 11.224E	1544		11	2.5	6	2.5	351	0.3	2521
110529	1655	+09:00	12 52.750N	142 11.218E	1407		360	8.8	359	8.9	349	0.2	2521
110529	1700	+09:00	12 53.662N	142 11.243E	1620		5	12	1	12.1	14	0.5	2522
110529	1705	+09:00	12 54.863N	142 11.338E	2032		4	15.9	2	15.9	94	0.2	2523
110529	1710	+09:00	12 56.210N	142 11.462E	2612		4	16.2	4	15.3	111	0.3	2525
110529	1715	+09:00	12 57.557N	142 11.599E	2987		5	16.5	7	15.8	117	0.4	2526
110529	1720	+09:00	12 58.889N	142 11.728E	2935		4	16.1	4	15.8	134	0.3	2527
110529	1725	+09:00	13 00.228N	142 11.850E	2166		4	16.1	5	16	33	0.1	2529
110529	1730	+09:00	13 01.575N	142 11.955E	1550		5	15.9	7	16.3	230	0.1	2530
110529	1735	+09:00	13 02.579N	142 12.171E	1691		31	8.4	36	8.5	358	0.2	2531
110529	1739	+09:00	13 02.746N	142 12.465E	1710		68	1.1	45	1.6			2531 STOPPED ENG'S
110529	1740	+09:00	13 02.747N	142 12.466E	1710		69	1.1	34	1.9			2531
110529	1744	+09:00	13 02.769N	142 12.535E	1672		70	1.8	70	1.9	73	5.5	2532 CHANGED ENG'S TO E/M
110529	1744	+09:00	13 02.775N	142 12.553E	1674	ST.33	70	1.9	60	2.7	72	5.9	2532 3M ORI NET STARTED
110529	1745	+09:00	13 02.778N	142 12.561E	1671	ST.33	70	2.1	76	2	74	0.7	2532
110529	1750	+09:00	13 02.838N	142 12.731E	1663	ST.33	70	2.3	54	2.3	75	0.3	2532
110529	1753	+09:00	13 02.884N	142 12.877E	1679	ST.33	69	2.4	57	2.4	138	0.1	2532 SUNSET & PUT ON REGULATION LIGHTS
110529	1755	+09:00	13 02.899N	142 12.923E	1688	ST.33	70	2.5	83	2.7	115	0.1	2532
110529	1800	+09:00	13 02.965N	142 13.122E	1584	ST.33	70	2.3	53	2.5	145	0.3	2532
110529	1801	+09:00	13 02.983N	142 13.168E	1487	ST.33	70	2.3	69	2.4	18	0.1	2532 3M ORI NET DEEPEST
110529	1805	+09:00	13 03.019N	142 13.293E	1410	ST.33	71	1.8	96	1.9	87	0.5	2532
110529	1810	+09:00	13 03.062N	142 13.448E	1375	ST.33	68	1.9	58	2.4			2533
110529	1815	+09:00	13 03.106N	142 13.612E	1248	ST.33	70	2	66	2.2			2533
110529	1820	+09:00	13 03.152N	142 13.786E	1117	ST.33	69	1.9	75	2.5	92	0.6	2533
110529	1825	+09:00	13 03.204N	142 13.966E	1046	ST.33	68	2.1	51	2.1	87	0.9	2533
110529	1830	+09:00	13 03.250N	142 14.141E	998	ST.33	70	2.1	94	2.5			2533
110529	1835	+09:00	13 03.301N	142 14.314E	998	ST.33	69	1.9	89	2.2	114	0.3	2534
110529	1840	+09:00	13 03.349N	142 14.478E	1119	ST.33	69	2.1	87	2.3	135	0.1	2534
110529	1845	+09:00	13 03.396N	142 14.645E	1181	ST.33	71	2	96	2.3	84	1	2534
110529	1850	+09:00	13 03.440N	142 14.808E	1150	ST.33	70	1.9	105	2.7	87	0.8	2534
110529	1855	+09:00	13 03.483N	142 14.962E	1148	ST.33	67	1.8	76	1.6			2534
110529	1900	+09:00	13 03.521N	142 15.109E	1152	ST.33	69	1.8	93	1.9			2534
110529	1905	+09:00	13 03.561N	142 15.243E	1174	ST.33	69	1.6	41	1.9	80	4.8	2535
110529	1910	+09:00	13 03.618N	142 15.387E	1230	ST.33	72	2.3	82	2.6			2535
110529	1910	+09:00	13 03.620N	142 15.393E	1242	ST.33	72	2.4	104	2.1	67	1.8	2535 3M ORI NET FINISHED
110529	1915	+09:00	13 03.723N	142 15.550E	1306		13	3.5	30	3.6	348	0.3	2535
110529	1920	+09:00	13 03.913N	142 15.651E	1420		62	1.2	101	1.1			2535
110529	1921	+09:00	13 03.934N	142 15.699E	1430		56	2.4	68	2.3	35	0.1	2535 CHANGED ENG'S TO T/M
110529	1925	+09:00	13 04.145N	142 15.791E	1504		19	6.9	26	7.5	320	0.1	2536
110529	1930	+09:00	13 04.869N	142 16.054E	1448		19	11	17	11.3	249	0.3	2536
110529	1935	+09:00	13 05.845N	142 16.415E	1430		20	14.4	24	14.3	109	0.1	2537
110529	1940	+09:00	13 07.075N	142 16.871E	1280		20	16.2	23	16	128	0.1	2539
110529	1945	+09:00	13 08.296N	142 17.318E	1244		20	13.9	22	13.8	212	0.3	2540
110529	1950	+09:00	13 08.867N	142 17.663E	1293		83	3.8	72	3.4	285	0.2	2541
110529	1951	+09:00	13 08.869N	142 17.730E	1296		99	1.3	101	1.8			2541 STOPPED ENG'S
110529	1953	+09:00	13 08.853N	142 17.756E	1292		117	0.9	170	1.5			2541 CHANGED ENG'S TO E/M
110529	1955	+09:00	13 08.835N	142 17.771E	1286		109	1.5	111	1.6			2541
110529	1958	+09:00	13 08.844N	142 17.840E	1290	ST.34	78	1.9	72	1.9	94	3.9	2541 3M ORI NET STARTED
110529	2000	+09:00	13 08.857N	142 17.901E	1289	ST.34	81	2.1	68	1.8			2541
110529	2005	+09:00	13 08.892N	142 18.066E	1315	ST.34	80	2.2	67	2.6	261	0.2	2541
110529	2010	+09:00	13 08.941N	142 18.252E	1341	ST.34	82	2.3	78	2.1	320	0.2	2541
110529	2014	+09:00	13 08.980N	142 18.407E	1365	ST.34	79	1.9	80	3.1			2542 3M ORI NET DEEPEST
110529	2015	+09:00	13 08.982N	142 18.416E	1368	ST.34	79	1.7	88	1.9			2542
110529	2020	+09:00	13 09.023N	142 18.558E	1410	ST.34	80	1.9	47	2.6	73	2.1	2542
110529	2025	+09:00	13 09.063N	142 18.705E	1602	ST.34	80	1.9	48	2.6	69	2.4	2542
110529	2030	+09:00	13 09.100N	142 18.856E	1702	ST.34	80	1.9	110	2.1	71	1.9	2542
110529	2035	+09:00	13 09.141N	142 19.006E	1777	ST.34	80	1.9	56	2			2542
110529	2040	+09:00	13 09.185N	142 19.150E	1794	ST.34	79	2	76	1.9			2543
110529	2045	+09:00	13 09.232N	142 19.307E	1804	ST.34	81	2	38	2.8	10	0.2	2543
110529	2050	+09:00	13 09.270N	142 19.467E	1820	ST.34	78	1.9	63	3.4			2543
110529	2055	+09:00	13 09.302N	142 19.606E	1836	ST.34	79	1.7	79	1.6			2543
110529	2100	+09:00	13 09.344N	142 19.757E	1862	ST.34	79	2	65	2	72	1.2	2543
110529	2105	+09:00	13 09.397N	142 19.926E	1950	ST.34	80	2.1	62	1.9	11	0.2	2543
110529	2110	+09:00	13 09.435N	142 20.077E	2078	ST.34	80	1.9	92	2.2	75	3.9	2544

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110529	2115	+09:00	13 09.463N	142 20.241E	2214	ST.34	80	2.3	104	2.4	111	0.6	2544
110529	2120	+09:00	13 09.494N	142 20.409E	2348	ST.34	79	1.9	49	2.9	72	1.2	2544
110529	2125	+09:00	13 09.531N	142 20.553E	2407	ST.34	79	1.6	98	1.6			2544
110529	2130	+09:00	13 09.556N	142 20.616E	2456	ST.34	79	0.7	119	1.2			2544
110529	2132	+09:00	13 09.565N	142 20.638E	2465	ST.34	78	0.9	55	1			2544 3M ORI NET FINISHED
110529	2135	+09:00	13 09.582N	142 20.689E	2475		104	2.2	104	2.1	62	4.8	2544
110529	2140	+09:00	13 09.458N	142 20.661E	2467		225	1.9	222	2.4	237	3.3	2545
110529	2141	+09:00	13 09.431N	142 20.622E	2460		225	2.5	233	3.1	276	0.6	2545 CHANGED ENG'S TO T/M
110529	2145	+09:00	13 09.228N	142 20.346E	2260		230	6.8	235	7.5	269	0.7	2545
110529	2150	+09:00	13 08.752N	142 19.726E	2062		229	10.2	230	10.9	252	0.9	2546
110529	2155	+09:00	13 08.148N	142 18.949E	1845		229	11.4	225	12.7	309	0.7	2547
110529	2200	+09:00	13 07.364N	142 17.941E	1712		230	16.9	232	17	308	0.4	2548
110529	2205	+09:00	13 06.506N	142 16.846E	0		230	16.6	232	16.1	306	0.4	2549
110529	2210	+09:00	13 05.647N	142 15.756E	1380		230	15.9	229	16.7	2	0.4	2551
110529	2215	+09:00	13 04.781N	142 14.682E	1406		230	16.2	233	16.4	285	0.2	2552
110529	2220	+09:00	13 03.904N	142 13.600E	1593		230	16.9	231	15.9	296	0.3	2553
110529	2225	+09:00	13 03.219N	142 12.728E	1808		228	9.3	232	9.1	280	0.2	2555
110529	2230	+09:00	13 02.918N	142 12.522E	1710		87	1.2	144	2.5	198	0.8	2555
110529	2231	+09:00	13 02.916N	142 12.536E	1710		67	0.8	116	0.9			2555 CHANGED ENG'S TO E/M
110529	2234	+09:00	13 02.941N	142 12.614E	1709	S33-1	81	1.5	76	1.6			2555 3M ORI NET STARTED
110529	2235	+09:00	13 02.941N	142 12.615E	1709	S33-1	81	1.5	83	1.7			2555
110529	2240	+09:00	13 02.971N	142 12.755E	1717	S33-1	81	2.3	105	2.2	76	2.7	2555
110529	2245	+09:00	13 02.998N	142 12.952E	1736	S33-1	80	2.4	75	2	205	0.1	2555
110529	2249	+09:00	13 03.022N	142 13.104E	1608	S33-1	80	2.1	106	2.2	90	0.5	2556 3M ORI NET DEEPEST
110529	2250	+09:00	13 03.025N	142 13.123E	1618	S33-1	80	2	66	1.9	99	0.5	2556
110529	2255	+09:00	13 03.055N	142 13.288E	1435	S33-1	80	2	80	2.7	84	0.7	2556
110529	2300	+09:00	13 03.085N	142 13.448E	1338	S33-1	80	1.8	60	2.3	72	1	2556
110529	2305	+09:00	13 03.113N	142 13.610E	1261	S33-1	80	1.9	97	2.5	34	0.4	2556
110529	2310	+09:00	13 03.147N	142 13.790E	1123	S33-1	78	1.9	73	2.3			2556
110529	2315	+09:00	13 03.182N	142 13.959E	1052	S33-1	78	1.9	53	2.4	288	0.4	2557
110529	2320	+09:00	13 03.217N	142 14.120E	995	S33-1	80	1.8	88	2.1	71	1	2557
110529	2325	+09:00	13 03.254N	142 14.294E	1002	S33-1	79	1.9	85	1.8	75	1.1	2557
110529	2330	+09:00	13 03.289N	142 14.462E	1151	S33-1	80	1.8	108	2.4	80	1.4	2557
110529	2335	+09:00	13 03.327N	142 14.637E	1226	S33-1	80	2	65	3.1			2557
110529	2340	+09:00	13 03.356N	142 14.802E	1143	S33-1	80	1.9	85	2	78	0.8	2557
110529	2345	+09:00	13 03.383N	142 14.966E	1138	S33-1	80	2	84	2.2	71	1.1	2558
110529	2350	+09:00	13 03.397N	142 15.147E	1121	S33-1	81	2.1	98	2.3	137	0.4	2558
110529	2355	+09:00	13 03.418N	142 15.325E	1174	S33-1	81	1.9	110	2.1	120	0.3	2558
110530	0	+09:00	13 03.433N	142 15.485E	1265	S33-1	79	1.3	101	1.7			2558
110530	5	+09:00	13 03.446N	142 15.614E	1352	S33-1	80	1.2	71	1.5			2558
110530	6	+09:00	13 03.447N	142 15.636E	1376	S33-1	80	1.1	73	1.3			2558 3M ORI NET FINISHED
110530	10	+09:00	13 03.438N	142 15.671E	1398		99	0.4	199	1.6			2558
110530	15	+09:00	13 03.421N	142 15.652E	1386		90	0.1	196	1.7			2558
110530	20	+09:00	13 03.397N	142 15.608E	1365		90	0.1	285	0.9			2559
110530	25	+09:00	13 03.367N	142 15.550E	1317		90	0.1	265	1.2			2559
110530	30	+09:00	13 03.338N	142 15.482E	1273		90	0	206	1.5			2559
110530	35	+09:00	13 03.302N	142 15.420E	1232		89	0	247	1.3	243	12	2559
110530	40	+09:00	13 03.369N	142 15.461E	1282		29	2.5	14	2.2	227	0.3	2559
110530	42	+09:00	13 03.419N	142 15.484E	1291		38	0.9	12	1.3			2559 CHANGED ENG'S TO T/M
110530	42	+09:00	13 03.420N	142 15.484E	1291		38	0.9	337	1.8			2559 SLOW AHEAD ENG'S
110530	45	+09:00	13 03.491N	142 15.518E	1285		28	4.2	36	3.9	347	0.2	2559
110530	47	+09:00	13 03.669N	142 15.600E	1314		26	7.4	33	7.3	349	0.2	2559 S/CO ON 029°
110530	50	+09:00	13 04.043N	142 15.786E	1472		27	9	25	9.3	307	0.2	2560
110530	55	+09:00	13 04.785N	142 16.156E	1587		26	11.4	26	11.2	242	0.1	2561
110530	100	+09:00	13 05.804N	142 16.661E	1424		27	16.2	24	15.6	223	0.1	2562
110530	100	+09:00	13 05.828N	142 16.673E	1429		26	15.8	25	16.2	227	0.2	2562 R/UP ENG'S
110530	105	+09:00	13 07.002N	142 17.264E	1608		26	16.5	27	16.2	209	0.2	2563
110530	110	+09:00	13 08.194N	142 17.875E	1466		27	16.3	28	16.3	155	0.2	2564
110530	115	+09:00	13 09.375N	142 18.501E	1390		26	16.2	24	15.9	161	0.5	2566
110530	120	+09:00	13 10.562N	142 19.128E	1638		26	15.9	27	16	187	0.3	2567
110530	125	+09:00	13 11.755N	142 19.756E	1767		26	16.2	25	16	106	0.5	2568
110530	130	+09:00	13 12.961N	142 20.360E	1853		26	16.3	25	16.5	262	0.7	2570
110530	135	+09:00	13 14.161N	142 20.960E	1698		26	16.2	24	16.1	250	0.2	2571
110530	140	+09:00	13 15.353N	142 21.587E	1632		28	16.1	28	15.7	272	0.3	2572
110530	145	+09:00	13 16.551N	142 22.223E	1814		28	16.1	26	16.6	311	0.3	2574
110530	150	+09:00	13 17.746N	142 22.847E	1754		29	16.3	28	16.4	283	0.3	2575
110530	155	+09:00	13 18.938N	142 23.464E	1716		29	16.3	30	16.4	306	0.4	2576
110530	200	+09:00	13 20.135N	142 24.089E	1732		28	16.3	27	16.2	284	0.4	2578
110530	205	+09:00	13 21.339N	142 24.721E	1822		28	16.1	27	16.5	293	0.4	2579
110530	210	+09:00	13 22.538N	142 25.352E	1827		29	16.2	30	16	262	0.4	2580
110530	215	+09:00	13 23.719N	142 25.990E	1919		28	16.5	27	16.2	271	0.2	2582
110530	220	+09:00	13 24.911N	142 26.618E	1876		29	16.3	30	15.8	267	0.5	2583
110530	225	+09:00	13 26.100N	142 27.246E	1933		29	16.1	28	15.6	280	0.3	2584
110530	225	+09:00	13 26.333N	142 27.370E	1961		28	16.2	30	16.1	283	0.3	2585 S/B ENG'S USED ENG'S VAR'LY
110530	226	+09:00	13 26.345N	142 27.377E	1963		28	16.2	28	16.1	294	0.4	2585 USED HELM VAR'LY
110530	230	+09:00	13 27.089N	142 27.766E	2094		30	9	31	8.5	261	0.1	2586
110530	233	+09:00	13 27.281N	142 27.950E	2122		99	1.9	122	1.5			2586 STOPPED ENG'S
110530	235	+09:00	13 27.274N	142 27.974E	2118		114	1.1	140	0.6			2586
110530	235	+09:00	13 27.270N	142 27.980E	2117		120	0.9	182	1.4			2586 CHANGED ENG'S TO E/M
110530	238	+09:00	13 27.266N	142 28.015E	2116	ST.35	79	1.3	57	1.3			2586 3M ORI NET STARTED
110530	240	+09:00	13 27.275N	142 28.040E	2118	ST.35	79	1.8	56	1.5			2586
110530	245	+09:00	13 27.327N	142 28.197E	2129	ST.35	79	2.4	48	3.3	12	0.4	2586
110530	250	+09:00	13 27.384N	142 28.381E	2114	ST.35	79	2.2	73	2.4	64	0.6	2586
110530	255	+09:00	13 27.447N	142 28.571E	2098	ST.35	79	2.7	56	2.3	334	0.4	2587
110530	257	+09:00	13 27.485N	142 28.666E	2098	ST.35	79	2	60	2.2	352	0.6	2587 3M ORI NET DEEPEST
110530	300	+09:00	13 27.513N	142 28.738E	2102	ST.35	86	1.8	83	1.9			2587
110530	305	+09:00	13 27.539N	142 28.886E	2098	ST.35	88	1.9	82	1.9	66	1.7	2587
110530	310	+09:00	13 27.564N	142 29.053E	2060	ST.35	88	1.9	98	2.1	75	2	2587

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110530	315	+09:00	13 27.579N	142 29.207E	2044	ST.35	90	2.1	54	2.6	98	0.3	2587
110530	320	+09:00	13 27.600N	142 29.359E	2045	ST.35	90	2	68	1.6			2588
110530	325	+09:00	13 27.615N	142 29.501E	2045	ST.35	90	1.9	92	1.6			2588
110530	330	+09:00	13 27.634N	142 29.656E	2078	ST.35	90	2.1	72	2.1	72	1.3	2588
110530	335	+09:00	13 27.659N	142 29.814E	2294	ST.35	90	2	74	2.9	23	0.4	2588
110530	340	+09:00	13 27.681N	142 29.976E	2376	ST.35	89	2.1	120	2.3	59	0.9	2588
110530	345	+09:00	13 27.707N	142 30.137E	2380	ST.35	89	1.9	71	2	73	1.9	2588
110530	350	+09:00	13 27.725N	142 30.301E	2376	ST.35	91	2.1	74	2.6	75	1.5	2589
110530	355	+09:00	13 27.746N	142 30.462E	2373	ST.35	89	2.1	62	2.2			2589
110530	400	+09:00	13 27.767N	142 30.618E	2378	ST.35	90	1.8	101	2.2	75	1.6	2589
110530	405	+09:00	13 27.785N	142 30.765E	2372	ST.35	90	1.9	79	1.9	74	1.1	2589
110530	408	+09:00	13 27.800N	142 30.875E	2352	ST.35	91	2.4	76	2.3			2589 3M ORI NET FINISHED
110530	410	+09:00	13 27.809N	142 30.959E	2330		87	2.9	89	2.6	11	0.3	2589
110530	415	+09:00	13 28.044N	142 31.156E	2365		27	4.9	20	5.5	345	0.5	2590
110530	419	+09:00	13 28.275N	142 31.255E	2423		15	2.8	22	3.4	337	0.5	2590 CHANGED ENG'S TO T/M
110530	420	+09:00	13 28.320N	142 31.265E	2430		21	3.2	10	4.1	345	0.6	2590
110530	425	+09:00	13 28.887N	142 31.451E	2490		20	8.9	20	9.3	344	0.7	2590
110530	430	+09:00	13 29.707N	142 31.724E	2501		20	11.1	18	12.3	345	0.7	2591
110530	435	+09:00	13 30.693N	142 32.060E	2499		20	13.1	19	13.5	347	1	2592
110530	440	+09:00	13 31.821N	142 32.462E	2287		20	15.1	18	15	333	0.4	2594
110530	445	+09:00	13 33.082N	142 32.959E	1961		26	15.9	22	16	43	0.1	2595
110530	450	+09:00	13 34.313N	142 33.524E	2168		25	16.2	24	16.4	307	0.2	2596
110530	455	+09:00	13 35.538N	142 34.096E	2355		25	16.1	27	15.6	320	0.5	2598
110530	500	+09:00	13 36.775N	142 34.668E	2391		25	16.3	24	16.2	313	0.4	2599
110530	501	+09:00	13 37.039N	142 34.790E	2359		25	16.1	22	16.5	303	0.3	2599 SUNRISE & TURNED OFF REGULATION LIGHTS
110530	505	+09:00	13 38.014N	142 35.236E	2226		25	16.3	23	16.3	322	0.3	2600
110530	510	+09:00	13 39.259N	142 35.802E	2059		25	16.1	22	16	333	0.3	2602
110530	515	+09:00	13 40.508N	142 36.381E	2030		25	16.2	22	16.5	23	0.5	2603
110530	520	+09:00	13 41.775N	142 36.952E	2161		26	16.1	27	16.5	354	0.5	2604
110530	525	+09:00	13 43.029N	142 37.531E	2018		25	16.1	27	16.5	350	0.4	2606
110530	530	+09:00	13 43.997N	142 38.004E	1910		70	7.1	63	7.1	359	0.8	2607
110530	533	+09:00	13 44.087N	142 38.200E	1890		78	0.9	49	1.2			2607 STOPPED ENG'S
110530	535	+09:00	13 44.102N	142 38.218E	1887		83	0.8	25	1.6			2607
110530	535	+09:00	13 44.105N	142 38.222E	1887		84	0.8	107	1.1			2607 CHANGED ENG'S TO E/M
110530	537	+09:00	13 44.139N	142 38.277E	1878	ST.36	68	2	64	1.9	50	6.1	2607 3M ORI NET STARTED
110530	540	+09:00	13 44.184N	142 38.343E	1868	ST.36	70	1.9	71	2.2	357	0.6	2607
110530	545	+09:00	13 44.293N	142 38.512E	1854	ST.36	70	2.5	44	3	352	0.5	2608
110530	550	+09:00	13 44.413N	142 38.699E	1867	ST.36	70	2.4	56	3.1	359	0.6	2608
110530	555	+09:00	13 44.538N	142 38.900E	1847	ST.36	70	2.6	63	2.8	2	0.7	2608
110530	600	+09:00	13 44.663N	142 39.105E	1810	ST.36	70	2.3	54	3.2	3	0.6	2608
110530	601	+09:00	13 44.687N	142 39.143E	1806	ST.36	70	2.3	41	2.8	359	0.6	2608 3M ORI NET DEEPEST
110530	605	+09:00	13 44.775N	142 39.267E	1804	ST.36	68	1.8	42	2.3	354	0.7	2608
110530	610	+09:00	13 44.886N	142 39.415E	1797	ST.36	69	1.9	43	2.9	10	0.9	2609
110530	615	+09:00	13 44.995N	142 39.561E	1776	ST.36	69	1.9	68	2.1	15	0.7	2609
110530	620	+09:00	13 45.102N	142 39.715E	1762	ST.36	70	1.9	68	2.2	6	0.7	2609
110530	625	+09:00	13 45.211N	142 39.869E	1758	ST.36	70	1.8	34	2.5	14	0.8	2609
110530	630	+09:00	13 45.318N	142 40.028E	1758	ST.36	70	2.2	60	2.6	358	0.6	2609
110530	635	+09:00	13 45.426N	142 40.197E	1759	ST.36	70	2	55	2.3	2	0.6	2610
110530	640	+09:00	13 45.533N	142 40.355E	1780	ST.36	70	1.9	63	2.2	19	0.7	2610
110530	645	+09:00	13 45.645N	142 40.524E	1815	ST.36	70	2.1	55	2.6	6	0.7	2610
110530	650	+09:00	13 45.758N	142 40.699E	2000	ST.36	70	1.9	68	2.2	19	0.7	2610
110530	655	+09:00	13 45.851N	142 40.855E	2019	ST.36	68	1.9	62	2.3	9	0.5	2611
110530	700	+09:00	13 45.941N	142 41.024E	2019	ST.36	71	1.9	78	2.5	23	0.4	2611
110530	705	+09:00	13 46.026N	142 41.193E	2017	ST.36	75	1.7	60	2.2	31	0.6	2611
110530	710	+09:00	13 46.098N	142 41.371E	2050	ST.36	79	2.1	76	1.9	5	0.5	2611
110530	714	+09:00	13 46.164N	142 41.547E	2072	ST.36	80	2.3	75	2.2	27	0.5	2611 3M ORI NET FINISHED
110530	715	+09:00	13 46.168N	142 41.556E	2071		80	2.2	59	2.6	21	0.5	2611
110530	720	+09:00	13 46.446N	142 41.668E	2078		8	5	12	5.9	358	0.7	2612
110530	725	+09:00	13 47.030N	142 41.742E	2124		7	7.4	3	7.6	10	0.6	2612
110530	730	+09:00	13 47.703N	142 41.850E	2054		10	8	12	8.4	3	0.6	2613
110530	735	+09:00	13 48.394N	142 41.971E	2100		10	7.9	3	9	7	0.6	2614
110530	740	+09:00	13 49.105N	142 42.105E	2064		11	8.3	14	8.9	0	0.7	2614
110530	745	+09:00	13 49.817N	142 42.254E	1913		12	7.9	16	8.3	11	0.7	2615
110530	750	+09:00	13 50.261N	142 42.411E	1947		43	2.2	17	2.9	349	0.8	2616
110530	751	+09:00	13 50.307N	142 42.428E	1944	ST.37	29	1.9	40	2.9	348	0.8	2616 3M ORI NET STARTED
110530	755	+09:00	13 50.475N	142 42.485E	1954	ST.37	30	2.1	12	3.7	356	0.9	2616
110530	800	+09:00	13 50.721N	142 42.574E	1914	ST.37	30	2.5	6	4	350	0.9	2616
110530	805	+09:00	13 50.986N	142 42.667E	1931	ST.37	30	2.5	9	3.7	351	1.1	2616
110530	809	+09:00	13 51.205N	142 42.741E	1956	ST.37	38	1.8	30	2.2	348	1	2617 3M ORI NET DEEPEST
110530	810	+09:00	13 51.224N	142 42.749E	1952	ST.37	39	2	24	2.9	347	1	2617
110530	815	+09:00	13 51.402N	142 42.851E	1951	ST.37	48	1.8	54	2.6	2	1	2617
110530	820	+09:00	13 51.596N	142 42.974E	1978	ST.37	48	1.9	33	3	354	1	2617
110530	825	+09:00	13 51.782N	142 43.094E	1990	ST.37	51	2	42	2.7	359	0.9	2617
110530	830	+09:00	13 51.967N	142 43.223E	1999	ST.37	49	2.1	17	3.5	356	1	2618
110530	835	+09:00	13 52.156N	142 43.351E	1986	ST.37	49	2	42	2.9	353	1	2618
110530	840	+09:00	13 52.331N	142 43.466E	1992	ST.37	56	1.9	30	2.4	339	1.1	2618
110530	845	+09:00	13 52.506N	142 43.591E	1954	ST.37	60	2.2	30	3	345	1.1	2618
110530	850	+09:00	13 52.687N	142 43.721E	1968	ST.37	58	1.9	23	3.6	345	1	2618
110530	855	+09:00	13 52.858N	142 43.856E	1962	ST.37	61	2.2	27	3.3	344	1	2619
110530	900	+09:00	13 53.034N	142 43.989E	1913	ST.37	60	1.9	51	2.3	346	1	2619
110530	905	+09:00	13 53.197N	142 44.118E	1914	ST.37	60	1.9	51	2.3	355	1	2619
110530	910	+09:00	13 53.351N	142 44.257E	1890	ST.37	61	1.9	51	2.3	359	0.8	2619
110530	915	+09:00	13 53.505N	142 44.398E	1829	ST.37	61	1.8	48	2.7	358	0.8	2620
110530	920	+09:00	13 53.649N	142 44.531E	1848	ST.37	60	1.7	30	2.3	358	0.9	2620
110530	925	+09:00	13 53.778N	142 44.627E	1865	ST.37	59	1.1	47	1.6			2620
110530	929	+09:00	13 53.873N	142 44.690E	1871	ST.37	64	1.2	57	1.3	29	10	2620 3M ORI NET FINISHED
110530	930	+09:00	13 53.888N	142 44.701E	1869		63	1.2	54	1.6			2620
110530	935	+09:00	13 54.102N	142 44.745E	1827		360	3.3	348	4.6	349	1	2620

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110530	940	+09:00	13 54.612N	142 44.733E	1781		359	7	353	8.1	358	0.6	2621
110530	945	+09:00	13 55.297N	142 44.726E	1626		0	7.4	0	8.5	357	0.8	2622
110530	950	+09:00	13 56.040N	142 44.723E	1669		0	8.2	2	9.1	3	0.9	2622
110530	955	+09:00	13 56.804N	142 44.727E	1619		360	8.3	8	9.1	5	0.9	2623
110530	1000	+09:00	13 57.473N	142 44.735E	1567		0	6.3	4	7	9	0.9	2624
110530	1005	+09:00	13 57.998N	142 44.741E	1731		0	4.5	8	5.8	3	0.7	2624
110530	1010	+09:00	13 58.187N	142 44.917E	1745		70	2.2	54	2.3	31	0.5	2625
110530	1010	+09:00	13 58.187N	142 44.917E	1745	ST.38	70	2.2	54	2.3	31	0.5	2625 3M ORI NET STARTED
110530	1015	+09:00	13 58.295N	142 45.109E	1731	ST.38	70	2.3	64	2.4	32	0.7	2625
110530	1020	+09:00	13 58.411N	142 45.326E	1706	ST.38	69	2.6	48	3.1	26	0.6	2625
110530	1025	+09:00	13 58.529N	142 45.543E	1677	ST.38	70	2.3	56	2.7	23	0.7	2625
110530	1028	+09:00	13 58.593N	142 45.659E	1661	ST.38	69	2	71	2.7	28	0.6	2625 3M ORI NET DEEPEST
110530	1030	+09:00	13 58.638N	142 45.729E	1652	ST.38	69	1.9	79	2.8	28	0.7	2626
110530	1035	+09:00	13 58.759N	142 45.900E	1626	ST.38	60	2	58	3.1	23	0.8	2626
110530	1040	+09:00	13 58.887N	142 46.065E	1606	ST.38	60	1.9	66	2.4	28	0.7	2626
110530	1045	+09:00	13 59.016N	142 46.239E	1617	ST.38	60	2	57	2.6	34	0.8	2626
110530	1050	+09:00	13 59.151N	142 46.411E	1697	ST.38	58	2	66	2.4	30	0.7	2626
110530	1055	+09:00	13 59.275N	142 46.571E	1795	ST.38	60	1.9	37	2.6	27	0.6	2627
110530	1100	+09:00	13 59.399N	142 46.737E	1807	ST.38	60	1.9	67	2.8	27	0.6	2627
110530	1105	+09:00	13 59.520N	142 46.901E	1868	ST.38	60	1.7	61	3	28	0.6	2627
110530	1110	+09:00	13 59.645N	142 47.061E	1906	ST.38	61	1.9	59	2.4	32	0.6	2627
110530	1115	+09:00	13 59.774N	142 47.226E	1921	ST.38	61	1.9	55	3	26	0.7	2628
110530	1120	+09:00	13 59.901N	142 47.383E	1926	ST.38	60	1.9	50	2.6	26	0.7	2628
110530	1125	+09:00	14 00.040N	142 47.555E	1951	ST.38	60	2.1	36	3.2	30	0.8	2628
110530	1130	+09:00	14 00.183N	142 47.732E	1989	ST.38	59	2	79	3	30	0.8	2628
110530	1135	+09:00	14 00.316N	142 47.901E	2005	ST.38	60	1.7	44	2.6	29	0.7	2628
110530	1140	+09:00	14 00.418N	142 48.022E	2016	ST.38	60	0.8	54	2			2629
110530	1144	+09:00	14 00.491N	142 48.107E	2019	ST.38	56	1	55	2.4			2629 3M ORI NET FINISHED
110530	1145	+09:00	14 00.514N	142 48.129E	2019		32	1.9	38	3.1	41	1.1	2629
110530	1150	+09:00	14 00.880N	142 48.279E	2009		22	2.8	13	3.1	14	0.7	2629
110530	1152	+09:00	14 01.019N	142 48.333E	2008		20	4.2	11	5.2	22	0.9	2629 CHANGED ENG'S TO T/M
110530	1155	+09:00	14 01.330N	142 48.448E	1991		19	8.6	24	9.2	21	1.1	2630
110530	1200	+09:00	14 02.127N	142 48.739E	1933		21	9.1	13	10.3	21	0.9	2631
110530	1205	+09:00	14 03.092N	142 49.089E	1872		20	13.3	23	13.5	17	0.8	2632
110530	1210	+09:00	14 04.333N	142 49.551E	1758		20	15.9	23	17.3	27	0.6	2633
110530	1215	+09:00	14 05.624N	142 50.043E	1692		20	16.5	20	16.3	63	0.4	2634
110530	1220	+09:00	14 06.915N	142 50.537E	1637		20	16.3	22	16.9	39	0.5	2636
110530	1225	+09:00	14 08.089N	142 50.974E	1653		20	10.3	20	10.5	11	0.3	2637
110530	1228	+09:00	14 08.426N	142 51.120E	1659		61	2.3	47	2.7	323	0.6	2637 STOPPED ENG'S
110530	1230	+09:00	14 08.453N	142 51.158E	1662		84	1.2	72	1.8			2637
110530	1230	+09:00	14 08.456N	142 51.164E	1660		87	1.2	74	1.4			2637 CHANGED ENG'S TO E/M
110530	1232	+09:00	14 08.482N	142 51.216E	1663	ST.39	59	1.3	34	2.7			2637 3M ORI NET STARTED
110530	1235	+09:00	14 08.533N	142 51.272E	1663	ST.39	60	1.8	34	2.4	25	0.8	2637
110530	1240	+09:00	14 08.687N	142 51.453E	1662	ST.39	60	2.5	57	3	16	0.8	2638
110530	1245	+09:00	14 08.855N	142 51.654E	1682	ST.39	58	2.5	48	2.9	17	0.8	2638
110530	1250	+09:00	14 09.029N	142 51.855E	1709	ST.39	60	2.6	38	3.2	18	0.9	2638
110530	1253	+09:00	14 09.154N	142 51.997E	1726	ST.39	58	2	54	2.8	11	0.8	2638 3M ORI NET DEEPEST
110530	1255	+09:00	14 09.191N	142 52.034E	1730	ST.39	58	1.7	32	2.9	14	0.9	2639
110530	1300	+09:00	14 09.337N	142 52.187E	1726	ST.39	66	1.9	64	2.6	25	0.9	2639
110530	1305	+09:00	14 09.449N	142 52.381E	1713	ST.39	76	2.1	66	2.5	22	0.7	2639
110530	1310	+09:00	14 09.528N	142 52.578E	1711	ST.39	83	1.9	96	2.5	32	0.6	2639
110530	1315	+09:00	14 09.567N	142 52.766E	1707	ST.39	79	2.1	71	2.3	67	0.2	2639
110530	1320	+09:00	14 09.603N	142 52.948E	1700	ST.39	86	1.9	69	2.2	76	0.2	2640
110530	1325	+09:00	14 09.618N	142 53.131E	1679	ST.39	84	2.1	74	2.5	101	0.2	2640
110530	1330	+09:00	14 09.644N	142 53.312E	1681	ST.39	86	2.1	51	2.7	69	0.3	2640
110530	1335	+09:00	14 09.664N	142 53.490E	1744	ST.39	88	1.9	91	2	39	0.5	2640
110530	1340	+09:00	14 09.701N	142 53.676E	1758	ST.39	88	1.9	108	2.1	21	0.5	2640
110530	1345	+09:00	14 09.742N	142 53.855E	1762	ST.39	89	2	77	2.2	18	0.5	2641
110530	1350	+09:00	14 09.788N	142 54.036E	1772	ST.39	91	1.9	71	2.5	5	0.6	2641
110530	1355	+09:00	14 09.830N	142 54.228E	1780	ST.39	87	2.1	93	1.9	14	0.6	2641
110530	1400	+09:00	14 09.914N	142 54.395E	1765	ST.39	69	1.6	71	2.2	18	0.7	2641
110530	1405	+09:00	14 10.019N	142 54.534E	1781	ST.39	69	1.5	44	2.6	38	2.3	2641
110530	1407	+09:00	14 10.069N	142 54.602E	1789	ST.39	70	1.2	77	1.7			2641 3M ORI NET FINISHED
110530	1410	+09:00	14 10.114N	142 54.649E	1787		58	0.8	10	1.9			2642
110530	1415	+09:00	14 10.429N	142 54.619E	1721		354	5.7	354	6.2	355	1	2642
110530	1420	+09:00	14 11.075N	142 54.528E	1584		350	7.8	352	8.3	4	0.7	2643
110530	1425	+09:00	14 11.788N	142 54.418E	1176		350	8	352	8.7	3	0.8	2643
110530	1430	+09:00	14 12.481N	142 54.250E	1025		342	7.7	342	8.2	0	0.7	2644
110530	1435	+09:00	14 13.154N	142 54.042E	738		343	7.3	348	8.1	12	0.3	2645
110530	1440	+09:00	14 13.714N	142 53.912E	0		36	3.9	33	4.3	268	0.3	2645
110530	1442	+09:00	14 13.820N	142 53.988E	620	ST.40	41	2.2	44	3.1	0	0.4	2645 3M ORI NET STARTED
110530	1445	+09:00	14 13.904N	142 54.045E	670	ST.40	40	1.9	32	2.6	13	0.5	2646
110530	1450	+09:00	14 14.089N	142 54.183E	858	ST.40	41	2.5	60	3	20	0.6	2646
110530	1455	+09:00	14 14.296N	142 54.325E	989	ST.40	40	2.6	32	2.8	4	0.5	2646
110530	1500	+09:00	14 14.499N	142 54.464E	1137	ST.40	39	2.4	41	2.9	351	0.5	2646
110530	1502	+09:00	14 14.597N	142 54.532E	1210	ST.40	40	1.8	35	2.1	13	0.8	2646 3M ORI NET DEEPEST
110530	1505	+09:00	14 14.665N	142 54.572E	1249	ST.40	39	1.9	41	2.2	356	0.5	2647
110530	1510	+09:00	14 14.833N	142 54.664E	1358	ST.40	38	1.9	21	2.3	351	0.6	2647
110530	1515	+09:00	14 15.000N	142 54.757E	1449	ST.40	38	1.9	40	2.4	5	0.8	2647
110530	1520	+09:00	14 15.171N	142 54.854E	1540	ST.40	40	2	52	2.5	357	0.6	2647
110530	1525	+09:00	14 15.349N	142 54.958E	1601	ST.40	40	1.9	347	3.2	351	0.6	2647
110530	1530	+09:00	14 15.516N	142 55.058E	1656	ST.40	41	1.9	52	2.3	356	0.6	2648
110530	1535	+09:00	14 15.682N	142 55.161E	1697	ST.40	38	1.9	55	2.4	353	0.5	2648
110530	1540	+09:00	14 15.849N	142 55.265E	1732	ST.40	40	1.8	69	2.8	5	0.6	2648
110530	1545	+09:00	14 16.025N	142 55.383E	1765	ST.40	39	2.2	31	2.9	5	0.5	2648
110530	1550	+09:00	14 16.208N	142 55.504E	1795	ST.40	40	1.9	12	2.8	11	0.6	2648
110530	1555	+09:00	14 16.385N	142 55.615E	1816	ST.40	40	1.9	46	2.4	8	0.7	2649
110530	1600	+09:00	14 16.564N	142 55.732E	1833	ST.40	38	1.9	15	2.5	17	0.6	2649

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110530	1605	+09:00	14 16.739N	142 55.837E	1850	ST.40	39	1.7	4	3.1	6	0.5	2649
110530	1610	+09:00	14 16.902N	142 55.941E	1865	ST.40	40	2.1	36	2.6	12	0.6	2649
110530	1614	+09:00	14 17.061N	142 56.072E	1877	ST.40	42	2.2	32	3	31	0.7	2650 3M ORI NET FINISHED
110530	1615	+09:00	14 17.081N	142 56.088E	1880		42	2.1	46	2.7	29	0.7	2650
110530	1620	+09:00	14 17.341N	142 56.289E	1905		39	4.4	40	5.5	34	0.9	2650
110530	1625	+09:00	14 17.631N	142 56.536E	1928		44	2.6	44	3.2	28	0.8	2650
110530	1625	+09:00	14 17.660N	142 56.561E	1927		40	2.8	26	3.8	36	0.9	2650 CHANGED ENG'S TO T/M
110530	1630	+09:00	14 18.012N	142 56.862E	1935		38	7.7	40	8.4	48	0.9	2651
110530	1635	+09:00	14 18.747N	142 57.311E	1859		29	11.1	28	11.5	59	0.6	2652
110530	1640	+09:00	14 19.672N	142 57.855E	1775		29	14.4	33	14.7	46	0.7	2653
110530	1645	+09:00	14 20.839N	142 58.537E	1829		29	16.2	29	17.1	57	0.4	2654
110530	1650	+09:00	14 22.036N	142 59.242E	1836		29	16.1	29	16.2	55	0.6	2655
110530	1655	+09:00	14 23.248N	142 59.958E	1861		32	16.5	32	16.8	52	0.6	2657
110530	1700	+09:00	14 24.358N	143 00.696E	1847		32	13.6	30	14.7	88	0.2	2658
110530	1705	+09:00	14 25.228N	143 01.272E	1822		33	9.4	32	9.9	54	0.3	2659
110530	1709	+09:00	14 25.403N	143 01.617E	1772		79	1	93	1.8			2660 STOPPED ENG'S
110530	1710	+09:00	14 25.404N	143 01.622E	1766		80	0.9	44	2.3			2660
110530	1711	+09:00	14 25.418N	143 01.657E	1771		85	0.6	52	1.3			2660 CHANGED ENG'S TO E/M
110530	1713	+09:00	14 25.437N	143 01.712E	1777	ST.41	69	1.8	67	2.5	65	0.6	2660 3M ORI NET STARTED
110530	1715	+09:00	14 25.459N	143 01.761E	1721	ST.41	69	2	66	2.8	49	0.4	2660
110530	1720	+09:00	14 25.559N	143 01.976E	1720	ST.41	70	2.6	63	3.2	46	0.6	2660
110530	1725	+09:00	14 25.670N	143 02.210E	1797	ST.41	69	2.5	62	3	41	0.7	2660
110530	1730	+09:00	14 25.777N	143 02.421E	1906	ST.41	69	2.1	78	2.7	34	0.6	2660
110530	1734	+09:00	14 25.867N	143 02.594E	1937	ST.41	70	2	64	2.4	30	0.5	2661 3M ORI NET DEEPEST
110530	1735	+09:00	14 25.876N	143 02.610E	1937	ST.41	70	2.1	60	3	19	0.5	2661
110530	1740	+09:00	14 25.973N	143 02.774E	1920	ST.41	70	1.8	97	2.5	17	0.5	2661
110530	1745	+09:00	14 26.070N	143 02.941E	1889	ST.41	69	1.9	43	2.8	18	0.6	2661
110530	1750	+09:00	14 26.177N	143 03.101E	1866	ST.41	71	1.8	84	2.3	1	0.6	2661
110530	1753	+09:00	14 26.256N	143 03.210E	1846	ST.41	68	1.8	42	2.3	9	0.6	2661
110530	1755	+09:00	14 26.286N	143 03.252E	1837	ST.41	70	1.8	54	2.3	354	0.8	2661 SUNSET & PUT ON REGULATION LIGHTS
110530	1800	+09:00	14 26.393N	143 03.402E	1840	ST.41	69	1.8	81	3.3	20	0.8	2662
110530	1805	+09:00	14 26.497N	143 03.556E	1875	ST.41	68	1.6	60	2.1	1	0.6	2662
110530	1810	+09:00	14 26.616N	143 03.725E	1891	ST.41	71	2.1	72	2.5	12	0.8	2662
110530	1815	+09:00	14 26.734N	143 03.894E	1889	ST.41	69	2.1	54	2.1	1	0.8	2662
110530	1820	+09:00	14 26.861N	143 04.047E	1901	ST.41	70	2.1	47	2.5	354	0.8	2663
110530	1825	+09:00	14 26.992N	143 04.212E	1998	ST.41	70	2.1	61	2.5	5	0.8	2663
110530	1830	+09:00	14 27.106N	143 04.374E	2000	ST.41	68	1.9	78	2.6	14	0.7	2663
110530	1835	+09:00	14 27.254N	143 04.514E	1991	ST.41	51	2.1	41	2.1	346	0.8	2663
110530	1840	+09:00	14 27.423N	143 04.621E	1992	ST.41	51	1.5	33	2.1	2	1.2	2663
110530	1842	+09:00	14 27.487N	143 04.657E	1993	ST.41	50	1.5	24	2.3			2663 3M ORI NET FINISHED
110530	1845	+09:00	14 27.582N	143 04.709E	1992		23	2	16	2.5	359	0.7	2664
110530	1850	+09:00	14 27.715N	143 04.490E	2010		266	4.2	292	4.7	2	0.6	2664
110530	1853	+09:00	14 27.723N	143 04.295E	2023		256	3.5	266	3.6	336	0.2	2664 CHANGED ENG'S TO T/M
110530	1855	+09:00	14 27.711N	143 04.179E	2029		255	5.2	262	5.4	349	0.6	2664
110530	1900	+09:00	14 27.600N	143 03.482E	1950		258	9.4	260	9.4	350	0.5	2665
110530	1905	+09:00	14 27.380N	143 02.576E	1977		253	12.4	253	12.3	333	0.6	2666
110530	1910	+09:00	14 27.040N	143 01.404E	1914		252	16.3	256	15.9	23	0.7	2667
110530	1915	+09:00	14 26.658N	143 00.111E	1961		252	16.8	255	15.7	35	0.6	2668
110530	1920	+09:00	14 26.266N	142 58.806E	2056		251	16.1	253	15.6	38	0.7	2670
110530	1925	+09:00	14 25.913N	142 57.486E	2091		254	16.8	256	15.8	58	0.7	2671
110530	1930	+09:00	14 25.534N	142 56.335E	1964		238	11	236	10	51	0.9	2672
110530	1934	+09:00	14 25.308N	142 56.365E	1964		94	0.8	81	1.6	106	1.5	2672 STOPPED ENG'S
110530	1935	+09:00	14 25.307N	142 56.375E	1960		88	0.7	112	1.4			2672
110530	1936	+09:00	14 25.309N	142 56.394E	1962		73	0.5	125	1.3			2672 CHANGED ENG'S TO E/M
110530	1939	+09:00	14 25.315N	142 56.495E	1960	ST.42	122	1.8	106	2.3	90	0.9	2673 3M ORI NET STARTED
110530	1940	+09:00	14 25.308N	142 56.513E	1961	ST.42	122	1.7	144	2.5	69	0.7	2673
110530	1945	+09:00	14 25.222N	142 56.705E	1972	ST.42	120	2.4	110	2.8	120	0.8	2673
110530	1950	+09:00	14 25.118N	142 56.928E	1976	ST.42	120	2.4	121	3	100	0.4	2673
110530	1955	+09:00	14 25.009N	142 57.149E	1985	ST.42	120	2.4	117	2.8	96	0.6	2673
110530	2000	+09:00	14 24.908N	142 57.360E	1984	ST.42	119	2.1	90	2.8	116	0.6	2674
110530	2005	+09:00	14 24.810N	142 57.563E	1986	ST.42	119	2	126	2.7	103	0.6	2674
110530	2010	+09:00	14 24.710N	142 57.774E	1991	ST.42	119	2.2	116	2.8	93	0.6	2674
110530	2011	+09:00	14 24.673N	142 57.847E	1986	ST.42	120	2	102	2.5	124	0.8	2674 3M ORI NET DEEPEST
110530	2015	+09:00	14 24.623N	142 57.972E	1976	ST.42	119	1.9	126	2.5	102	0.5	2674
110530	2020	+09:00	14 24.521N	142 58.165E	1948	ST.42	121	2.1	114	2.5	104	0.5	2674
110530	2025	+09:00	14 24.435N	142 58.367E	1972	ST.42	119	2.1	134	2.5	96	0.5	2675
110530	2030	+09:00	14 24.346N	142 58.558E	1976	ST.42	120	1.8	121	2.6	85	0.2	2675
110530	2035	+09:00	14 24.252N	142 58.745E	1965	ST.42	119	2	108	2.5	137	0.9	2675
110530	2040	+09:00	14 24.169N	142 58.936E	1951	ST.42	120	2.1	103	2.7	25	0.9	2675
110530	2045	+09:00	14 24.078N	142 59.117E	1938	ST.42	119	1.9	93	3	103	0.6	2676
110530	2050	+09:00	14 23.981N	142 59.295E	1926	ST.42	120	2	153	2.8	92	0.4	2676
110530	2055	+09:00	14 23.890N	142 59.484E	1915	ST.42	119	2.1	105	2.8	79	1	2676
110530	2100	+09:00	14 23.810N	142 59.681E	1904	ST.42	118	1.9	104	2.6	89	0.5	2676
110530	2105	+09:00	14 23.726N	142 59.874E	1821	ST.42	121	2.1	109	2.5	88	0.6	2677
110530	2110	+09:00	14 23.643N	143 00.083E	1803	ST.42	119	2.1	119	3.2	67	0.8	2677
110530	2115	+09:00	14 23.557N	143 00.290E	1801	ST.42	120	2.1	106	2.3	66	0.5	2677
110530	2120	+09:00	14 23.492N	143 00.470E	1781	ST.42	120	1.3	90	1.7	94	1.2	2677
110530	2125	+09:00	14 23.448N	143 00.598E	1786	ST.42	121	1.3	144	2			2677
110530	2127	+09:00	14 23.426N	143 00.647E	1790	ST.42	120	1.5	88	3.2	100	0.5	2677 3M ORI NET FINISHED
110530	2130	+09:00	14 23.387N	143 00.732E	1786		144	2.3	154	3.2	103	1.2	2678
110530	2135	+09:00	14 23.255N	143 00.647E	1782		226	2.1	218	1.8			2678
110530	2136	+09:00	14 23.221N	143 00.606E	1781		225	2.8	230	3	34	0.4	2678 CHANGED ENG'S TO T/M
110530	2140	+09:00	14 23.083N	143 00.431E	1805		231	6.2	243	5.5	29	0.5	2678
110530	2145	+09:00	14 22.727N	142 59.971E	1861		232	8.6	238	8.3	169	0.1	2679
110530	2150	+09:00	14 22.198N	142 59.281E	1803		231	13.7	235	12.6	268	0.1	2679
110530	2155	+09:00	14 21.452N	142 58.347E	1816		231	15.4	230	15.6	64	0.4	2681
110530	2200	+09:00	14 20.594N	142 57.282E	1697		230	16.9	230	15.9	60	0.5	2682
110530	2205	+09:00	14 19.721N	142 56.217E	1866		231	16.5	231	16.3	80	0.4	2683



Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110530	2210	+09:00	14 18.842N	142 55.145E	1948		230	17.3	231	16.4	63	0.7	2685
110530	2215	+09:00	14 17.971N	142 54.083E	1834		231	16.8	230	16.3	66	0.7	2686
110530	2220	+09:00	14 17.115N	142 53.025E	1760		230	16.9	232	16.2	49	0.6	2687
110530	2225	+09:00	14 16.325N	142 51.919E	1660		236	16.9	234	16.7	71	1.2	2689
110530	2230	+09:00	14 15.560N	142 50.795E	1563		235	16.8	234	16.4	59	0.8	2690
110530	2235	+09:00	14 14.790N	142 49.660E	0		235	16.9	237	16.2	60	0.7	2691
110530	2240	+09:00	14 14.172N	142 48.742E	0		234	8.3	232	7.7	26	0.7	2692
110530	2245	+09:00	14 13.932N	142 48.596E	1469		120	1.3	155	2			2693
110530	2246	+09:00	14 13.911N	142 48.631E	1461		105	0.8	101	1.7			2693 CHANGED ENG'S TO E/M
110530	2249	+09:00	14 13.862N	142 48.732E	1445	ST.43	131	2.1	138	2.7	100	0.7	2693 3M ORI NET STARTED
110530	2250	+09:00	14 13.861N	142 48.733E	1446	ST.43	131	2.1	119	1.9	100	0.7	2693
110530	2255	+09:00	14 13.764N	142 48.893E	1484	ST.43	129	2.3	95	2.2	37	0.6	2693
110530	2300	+09:00	14 13.628N	142 49.095E	1541	ST.43	132	2.4	132	2.9	95	0.6	2693
110530	2305	+09:00	14 13.508N	142 49.296E	1546	ST.43	129	2.1	108	2.4	94	1.2	2694
110530	2309	+09:00	14 13.409N	142 49.466E	1528	ST.43	130	2.2	127	2.5	92	0.6	2694 3M ORI NET DEEPEST
110530	2310	+09:00	14 13.404N	142 49.475E	1532	ST.43	130	2.1	131	2.4	77	0.6	2694
110530	2315	+09:00	14 13.305N	142 49.659E	1574	ST.43	129	1.9	128	2.7	92	0.6	2694
110530	2320	+09:00	14 13.205N	142 49.843E	1658	ST.43	130	1.9	117	2.6	81	0.6	2694
110530	2325	+09:00	14 13.117N	142 50.031E	1618	ST.43	131	1.9	130	2.2	89	0.6	2695
110530	2330	+09:00	14 13.023N	142 50.207E	1575	ST.43	128	1.8	106	2.9	59	0.9	2695
110530	2335	+09:00	14 12.922N	142 50.380E	1523	ST.43	131	2.1	111	2.4	76	0.3	2695
110530	2340	+09:00	14 12.823N	142 50.557E	1468	ST.43	130	2.1	103	2.9	93	0.6	2695
110530	2345	+09:00	14 12.733N	142 50.737E	1416	ST.43	130	1.9	92	2.9	84	0.7	2695
110530	2350	+09:00	14 12.616N	142 50.926E	1368	ST.43	130	2.1	127	2.5	91	0.6	2696
110530	2355	+09:00	14 12.507N	142 51.109E	1320	ST.43	130	2	131	2.4	92	0.6	2696
110531	0	+09:00	14 12.403N	142 51.286E	1273	ST.43	130	2	96	3.2	78	0.6	2696
110531	5	+09:00	14 12.288N	142 51.469E	1241	ST.43	130	2.2	140	2.6	82	0.5	2696
110531	10	+09:00	14 12.180N	142 51.654E	1217	ST.43	130	2.1	152	3.1	78	0.6	2697
110531	15	+09:00	14 12.087N	142 51.830E	1171	ST.43	130	1.9	106	2.7	90	0.6	2697
110531	20	+09:00	14 12.027N	142 51.976E	1149	ST.43	130	1.5	140	1.9	96	1.8	2697
110531	23	+09:00	14 11.988N	142 52.069E	1128	ST.43	130	0.8	73	1.6			2697 3M ORI NET FINISHED
110531	25	+09:00	14 11.982N	142 52.085E	1122		128	0.6	98	1.2			2697
110531	30	+09:00	14 11.869N	142 52.028E	1159		242	4.5	253	4	125	0.5	2697
110531	34	+09:00	14 11.794N	142 51.855E	1235		238	1.6	279	1.5			2697 CHANGED ENG'S TO T/M
110531	35	+09:00	14 11.785N	142 51.834E	1243		240	2.5	243	2.5	252	2.2	2698
110531	40	+09:00	14 11.551N	142 51.331E	1392		244	10.4	246	10.4	56	0.4	2698
110531	45	+09:00	14 11.125N	142 50.409E	1492		244	13.4	248	12.2	50	0.7	2699
110531	50	+09:00	14 10.658N	142 49.425E	741		242	13.8	244	13	52	0.9	2700
110531	55	+09:00	14 10.164N	142 48.431E	1038		242	14.1	242	13	47	0.6	2701
110531	100	+09:00	14 09.623N	142 47.459E	1504		227	14.4	225	13	50	0.6	2702
110531	105	+09:00	14 08.816N	142 46.706E	1638		223	12.4	221	11.9	170	0.4	2703
110531	110	+09:00	14 08.308N	142 46.251E	1740		219	5.3	219	4.4	29	0.6	2704
110531	111	+09:00	14 08.248N	142 46.199E	1758		224	2.7	242	2.9	45	0.6	2704 STOPPED ENG'S
110531	113	+09:00	14 08.202N	142 46.152E	1759		216	1.9	223	1.6			2704 CHANGED ENG'S TO E/M
110531	115	+09:00	14 08.168N	142 46.127E	1796		215	2.2	228	2.1			2704
110531	115	+09:00	14 08.143N	142 46.107E	1793	ST.44	219	2.3	203	2.1	216	2.8	2704 3M ORI NET STARTED
110531	120	+09:00	14 08.038N	142 46.016E	1802	ST.44	219	2.3	209	2.1	324	0.2	2704
110531	125	+09:00	14 07.900N	142 45.892E	1795	ST.44	219	2.7	238	2.3	28	0.3	2705
110531	130	+09:00	14 07.754N	142 45.763E	1835	ST.44	218	2.5	230	2.4	30	0.2	2705
110531	133	+09:00	14 07.645N	142 45.655E	1860	ST.44	219	2.2	194	2.1	320	0.5	2705 3M ORI NET DEEPEST
110531	135	+09:00	14 07.623N	142 45.632E	1868	ST.44	219	2.2	180	2.1			2705
110531	140	+09:00	14 07.502N	142 45.526E	1891	ST.44	220	2.3	229	2.3	78	0.5	2705
110531	145	+09:00	14 07.378N	142 45.391E	1927	ST.44	218	2.2	188	2.9	14	0.2	2705
110531	150	+09:00	14 07.264N	142 45.278E	1951	ST.44	222	2.2	203	2.7	292	0.2	2706
110531	155	+09:00	14 07.141N	142 45.176E	1977	ST.44	211	2	206	2			2706
110531	200	+09:00	14 06.997N	142 45.093E	2000	ST.44	200	2.4	189	2	300	0.3	2706
110531	205	+09:00	14 06.851N	142 45.027E	1971	ST.44	198	2.1	197	1.9			2706
110531	210	+09:00	14 06.719N	142 44.968E	1990	ST.44	202	2.2	213	2.1			2706
110531	215	+09:00	14 06.576N	142 44.890E	2034	ST.44	200	2.3	234	2.2	221	0.8	2707
110531	220	+09:00	14 06.436N	142 44.814E	2086	ST.44	200	2.1	186	2.2	336	0.4	2707
110531	225	+09:00	14 06.292N	142 44.743E	2135	ST.44	200	2.2	200	2.5			2707
110531	230	+09:00	14 06.147N	142 44.692E	2049	ST.44	191	2.1	178	1.9			2707
110531	235	+09:00	14 06.021N	142 44.648E	2061	ST.44	190	1.5	190	1.6			2707
110531	240	+09:00	14 05.916N	142 44.610E	2078	ST.44	190	1.6	172	1.6			2707
110531	242	+09:00	14 05.870N	142 44.588E	2089	ST.44	190	1.1	190	0.9			2707 3M ORI NET FINISHED
110531	245	+09:00	14 05.828N	142 44.569E	2209		194	1.7	187	1.9	202	12	2707
110531	250	+09:00	14 05.596N	142 44.401E	2266		210	3.5	210	3.1	41	0.2	2708
110531	252	+09:00	14 05.541N	142 44.359E	2248		203	1.5	235	2.4	248	0.7	2708 CHANGED ENG'S TO T/M
110531	255	+09:00	14 05.415N	142 44.261E	2282		211	5.5	229	6.3	276	0.1	2708
110531	300	+09:00	14 04.871N	142 43.880E	2240		212	9.2	219	8.7	286	0.3	2709
110531	305	+09:00	14 04.152N	142 43.389E	2364		213	12.4	217	12.4	271	0.4	2710
110531	310	+09:00	14 03.154N	142 42.719E	2282		211	16.2	212	16.1	304	0.3	2711
110531	315	+09:00	14 02.010N	142 41.959E	2341		211	16.5	213	16.2	318	0.6	2712
110531	320	+09:00	14 00.869N	142 41.227E	2401		210	16.8	210	16.5	338	0.5	2714
110531	325	+09:00	13 59.712N	142 40.520E	0		210	16.2	211	16.1	336	0.5	2715
110531	330	+09:00	13 58.769N	142 39.945E	2432		209	9.2	224	9	349	0.3	2716
110531	333	+09:00	13 58.471N	142 39.817E	2444		148	2.5	203	3.8	313	0.8	2716 STOPPED ENG'S
110531	335	+09:00	13 58.442N	142 39.836E	2442		122	1.5	125	0.9			2716
110531	335	+09:00	13 58.435N	142 39.845E	2442		115	1.2	80	1.1			2716 CHANGED ENG'S TO E/M
110531	337	+09:00	13 58.415N	142 39.890E	2440	ST.45	121	1.5	106	1.4			2716 3M ORI NET STARTED
110531	340	+09:00	13 58.388N	142 39.943E	2496	ST.45	120	1.7	143	1.9	123	8.8	2716
110531	345	+09:00	13 58.302N	142 40.107E	2452	ST.45	120	2.5	105	2.4	120	0.2	2717
110531	350	+09:00	13 58.186N	142 40.299E	2408	ST.45	119	2.5	116	2.2	310	0.2	2717
110531	355	+09:00	13 58.090N	142 40.474E	2359	ST.45	119	2.3	133	2.4	266	0.1	2717
110531	357	+09:00	13 58.053N	142 40.537E	2345	ST.45	119	2.1	126	1.9			2717 3M ORI NET DEEPEST
110531	400	+09:00	13 58.006N	142 40.616E	2332	ST.45	120	2.1	124	2.2			2717
110531	405	+09:00	13 57.938N	142 40.743E	2325	ST.45	120	1.9	147	2			2717
110531	410	+09:00	13 57.875N	142 40.867E	2325	ST.45	120	2	128	1.8			2718



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110531	415	+09:00	13 57.805N	142 40.994E	2328	ST.45	119	1.9	97	1.9		2718	
110531	420	+09:00	13 57.739N	142 41.128E	2311	ST.45	120	1.8	92	2.1	115	3.5	2718
110531	425	+09:00	13 57.673N	142 41.263E	2295	ST.45	121	1.9	89	2.6	114	1.3	2718
110531	430	+09:00	13 57.610N	142 41.401E	2280	ST.45	120	1.9	149	2.1	112	2.8	2718
110531	435	+09:00	13 57.555N	142 41.523E	2322	ST.45	120	1.9	116	1.5			2718
110531	440	+09:00	13 57.499N	142 41.646E	2331	ST.45	120	1.8	96	1.7			2719
110531	445	+09:00	13 57.435N	142 41.778E	2325	ST.45	119	1.8	115	1.8			2719
110531	450	+09:00	13 57.371N	142 41.897E	2298	ST.45	121	1.8	126	1.5			2719
110531	455	+09:00	13 57.304N	142 42.037E	2269	ST.45	121	1.9	88	2.5			2719
110531	500	+09:00	13 57.243N	142 42.156E	2241	ST.45	122	1.8	102	1.8	116	5.2	2719
110531	500	+09:00	13 57.243N	142 42.158E	2240	ST.45	122	1.8	135	2			2719 SUNRISE & TURNED OFF REGULATION LIGHTS
110531	505	+09:00	13 57.176N	142 42.293E	2223	ST.45	120	2.3	122	2.2	93	0.3	2719
110531	507	+09:00	13 57.128N	142 42.378E	2206	ST.45	120	2.2	117	2.4	104	0.8	2720 3M ORI NET FINISHED
110531	510	+09:00	13 57.097N	142 42.442E	2193		124	1.8	120	2.1	108	1.1	2720
110531	515	+09:00	13 56.909N	142 42.365E	2221		216	4.9	222	4.7	293	0.5	2720
110531	519	+09:00	13 56.757N	142 42.242E	2196		223	2.6	206	2.9	288	0.4	2720 CHANGED ENG'S TO T/M
110531	520	+09:00	13 56.722N	142 42.198E	2187		225	4.1	252	4.4	279	0.3	2720
110531	525	+09:00	13 56.316N	142 41.787E	2178		221	8.4	222	8.2	314	0.4	2721
110531	530	+09:00	13 55.682N	142 41.176E	2226		221	11.7	221	12.3	331	0.5	2722
110531	535	+09:00	13 54.878N	142 40.402E	2235		222	13.7	224	13.5	338	0.5	2723
110531	540	+09:00	13 53.916N	142 39.610E	2358		216	16.6	217	15.7	327	0.5	2724
110531	545	+09:00	13 52.854N	142 38.780E	2342		216	17.1	218	16.2	351	0.7	2725
110531	550	+09:00	13 51.784N	142 37.957E	2396		216	16.6	218	16.4	18	0.7	2727
110531	555	+09:00	13 50.736N	142 37.316E	2337		200	13	202	11.8	14	0.7	2728
110531	600	+09:00	13 50.220N	142 37.310E	2401		113	3	107	2.6	320	0.5	2728
110531	601	+09:00	13 50.212N	142 37.351E	2396		102	0.9	107	1.3			2728 STOPPED ENG'S
110531	603	+09:00	13 50.215N	142 37.381E	2395		91	0.7	97	1.1			2729 CHANGED ENG'S TO E/M
110531	605	+09:00	13 50.215N	142 37.426E	2381		119	1.7	111	2	80	3.6	2729
110531	605	+09:00	13 50.211N	142 37.439E	2378	ST.46	121	1.8	142	2.9	83	3.6	2729 3M ORI NET STARTED
110531	610	+09:00	13 50.146N	142 37.595E	2349	ST.46	120	1.7	91	1.7	93	0.8	2729
110531	615	+09:00	13 50.071N	142 37.768E	2332	ST.46	119	2.3	118	2.5	41	0.3	2729
110531	620	+09:00	13 49.983N	142 37.967E	2291	ST.46	118	2.4	106	2.5	14	0.3	2729
110531	625	+09:00	13 49.897N	142 38.159E	2257	ST.46	119	2.6	124	2.7	39	0.2	2729
110531	626	+09:00	13 49.862N	142 38.233E	2241	ST.46	121	2.5	112	3	42	0.2	2729 3M ORI NET DEEPEST
110531	630	+09:00	13 49.820N	142 38.330E	2227	ST.46	119	1.8	110	2.1	111	1.1	2730
110531	635	+09:00	13 49.748N	142 38.479E	2221	ST.46	120	2	132	2.3	109	1.3	2730
110531	640	+09:00	13 49.675N	142 38.631E	2215	ST.46	121	1.9	123	2.3	97	0.5	2730
110531	645	+09:00	13 49.600N	142 38.796E	2206	ST.46	120	1.9	141	2.5	70	0.2	2730
110531	650	+09:00	13 49.526N	142 38.958E	2179	ST.46	120	1.8	111	2.4	100	0.3	2730
110531	655	+09:00	13 49.458N	142 39.111E	2165	ST.46	120	1.9	98	2.3	61	0.3	2731
110531	700	+09:00	13 49.376N	142 39.279E	2159	ST.46	120	2	120	2.2	87	0.3	2731
110531	705	+09:00	13 49.309N	142 39.428E	2157	ST.46	119	1.8	111	2.2			2731
110531	710	+09:00	13 49.251N	142 39.551E	2156	ST.46	119	1.4	90	1.8			2731
110531	715	+09:00	13 49.195N	142 39.672E	2154	ST.46	121	1.5	90	2.5			2731
110531	720	+09:00	13 49.140N	142 39.792E	2152	ST.46	120	1.6	96	2			2731
110531	725	+09:00	13 49.081N	142 39.910E	2159	ST.46	120	1.5	74	1.7	118	5.5	2732
110531	730	+09:00	13 49.025N	142 40.030E	2134	ST.46	121	1.3	80	1.7	116	5.5	2732
110531	735	+09:00	13 48.972N	142 40.144E	2109	ST.46	119	1.4	83	2.7			2732
110531	740	+09:00	13 48.908N	142 40.273E	2093	ST.46	120	1.8	96	2.3	114	1.6	2732
110531	740	+09:00	13 48.902N	142 40.288E	2092	ST.46	120	1.8	132	1.7	110	1.5	2732 3M ORI NET FINISHED
110531	745	+09:00	13 48.797N	142 40.391E	2087		206	2.5	208	2.2	62	0.3	2732
110531	750	+09:00	13 48.631N	142 40.149E	2082		238	2.7	276	2.9	59	0.6	2733
110531	751	+09:00	13 48.592N	142 40.086E	2098		234	3.3	239	3.3	35	0.4	2733 CHANGED ENG'S TO T/M
110531	755	+09:00	13 48.426N	142 39.825E	2133		237	7.9	235	7.7	324	0.1	2733
110531	800	+09:00	13 47.967N	142 39.096E	2189		236	12.3	238	12.5	13	0.3	2734
110531	805	+09:00	13 47.357N	142 38.133E	1986		235	14.1	236	14.6	13	0.4	2735
110531	810	+09:00	13 46.649N	142 37.030E	2022		234	16.6	236	16.4	24	0.7	2736
110531	815	+09:00	13 45.889N	142 35.890E	2136		234	16.6	236	16.1	14	0.5	2737
110531	820	+09:00	13 45.128N	142 34.758E	2245		235	16.6	235	16	16	0.5	2739
110531	825	+09:00	13 44.492N	142 33.800E	2314		234	9.1	236	8.8	26	0.6	2740
110531	830	+09:00	13 44.256N	142 33.494E	2371		169	1.7	188	1.6			2740
110531	831	+09:00	13 44.234N	142 33.498E	2362		146	1.1	200	1.1			2740 CHANGED ENG'S TO E/M
110531	833	+09:00	13 44.209N	142 33.524E	2351	ST.47	118	2.1	155	2.5	162	3.1	2740 3M ORI NET STARTED
110531	835	+09:00	13 44.179N	142 33.588E	2352	ST.47	117	2.2	128	2.7	92	0.1	2741
110531	840	+09:00	13 44.079N	142 33.769E	2293	ST.47	121	2.5	114	2.8	73	0.1	2741
110531	845	+09:00	13 43.976N	142 33.965E	2274	ST.47	119	2.5	101	2.8	60	0.1	2741
110531	850	+09:00	13 43.881N	142 34.148E	2257	ST.47	118	2	107	2.5			2741
110531	852	+09:00	13 43.847N	142 34.220E	2231	ST.47	120	2.1	144	2.4	98	0.4	2741 3M ORI NET DEEPEST
110531	852	+09:00	13 43.847N	142 34.220E	2231	ST.47	120	2.1	144	2.4	98	0.4	2741
110531	855	+09:00	13 43.807N	142 34.305E	2206	ST.47	120	1.9	116	2.4	105	1	2741
110531	900	+09:00	13 43.742N	142 34.468E	2180	ST.47	121	2.1	103	2.1	89	0.5	2742
110531	905	+09:00	13 43.679N	142 34.634E	2146	ST.47	119	1.9	116	2.4	90	0.8	2742
110531	910	+09:00	13 43.617N	142 34.794E	2102	ST.47	120	2.1	77	2.9	56	0.4	2742
110531	915	+09:00	13 43.556N	142 34.951E	2060	ST.47	120	1.9	100	2.7	47	0.3	2742
110531	920	+09:00	13 43.497N	142 35.099E	2036	ST.47	122	2	130	2.2	92	0.7	2742
110531	925	+09:00	13 43.427N	142 35.258E	1987	ST.47	121	2.1	104	2.4			2743
110531	930	+09:00	13 43.349N	142 35.420E	2042	ST.47	119	1.9	116	2.5	75	0.3	2743
110531	935	+09:00	13 43.277N	142 35.572E	2060	ST.47	120	1.9	107	2.4	103	0.6	2743
110531	940	+09:00	13 43.205N	142 35.732E	2047	ST.47	121	2	113	2.4	92	0.7	2743
110531	945	+09:00	13 43.130N	142 35.896E	2079	ST.47	120	2.1	104	2.6	31	0.2	2743
110531	950	+09:00	13 43.058N	142 36.059E	2112	ST.47	120	2.2	95	2.4	84	0.4	2744
110531	955	+09:00	13 42.976N	142 36.230E	2133	ST.47	120	2.3	122	2	89	0.3	2744
110531	1000	+09:00	13 42.895N	142 36.405E	2120	ST.47	120	2	121	2.1	86	0.4	2744
110531	1005	+09:00	13 42.853N	142 36.546E	2120	ST.47	101	1.3	122	1.5			2744
110531	1010	+09:00	13 42.838N	142 36.663E	2118	ST.47	103	1.3	139	1.5			2744
110531	1013	+09:00	13 42.831N	142 36.756E	2111	ST.47	97	1.3	134	1.6			2744 3M ORI NET FINISHED
110531	1015	+09:00	13 42.827N	142 36.803E	2110		100	2.3	123	2.8	65	0.4	2744
110531	1020	+09:00	13 42.671N	142 36.803E	2101		222	2.7	186	2.8	33	0.4	2745

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110531	1022	+09:00	13 42.597N	142 36.730E	2114		220	3.8	218	3.3	26	0.3	2745 S/B ENG'S
110531	1025	+09:00	13 42.425N	142 36.587E	2117		218	6.9	226	6.9	337	0.1	2745
110531	1030	+09:00	13 41.851N	142 36.100E	2238		218	12.3	223	12	325	0.5	2746
110531	1035	+09:00	13 40.990N	142 35.353E	2126		217	14.2	217	14.2	357	1	2747
110531	1040	+09:00	13 40.013N	142 34.494E	2045		218	16.9	224	16.6	358	0.8	2748
110531	1041	+09:00	13 39.744N	142 34.258E	2058		219	17.1	222	16	3	1	2749 R/UP ENG'S
110531	1045	+09:00	13 38.993N	142 33.600E	2383		219	16.6	218	15.8	353	0.8	2749
110531	1050	+09:00	13 37.961N	142 32.702E	2550		218	16.8	217	15.8	3	0.6	2751
110531	1055	+09:00	13 36.917N	142 31.811E	2588		218	16.9	220	15.8	342	0.3	2752
110531	1100	+09:00	13 35.867N	142 30.930E	2595		220	16.8	221	15.8	22	0.7	2753
110531	1105	+09:00	13 34.819N	142 30.046E	2689		218	16.3	219	16	20	0.5	2755
110531	1110	+09:00	13 33.780N	142 29.145E	2760		222	16.1	225	16.3	41	0.5	2756
110531	1115	+09:00	13 32.774N	142 28.200E	2760		222	16.9	222	16.4	325	0.2	2757
110531	1120	+09:00	13 31.767N	142 27.246E	2809		223	16.9	226	16.5	8	0.3	2759
110531	1125	+09:00	13 30.750N	142 26.290E	2887		222	17.1	223	16.1	26	0.5	2760
110531	1130	+09:00	13 29.748N	142 25.338E	2942		223	17.5	224	16.6	6	0.4	2762
110531	1135	+09:00	13 28.750N	142 24.387E	2959		223	16.1	222	16.6	19	0.3	2763
110531	1137	+09:00	13 28.251N	142 23.912E	2954		222	16.8	226	16	16	0.3	2764 S/B ENG'S
110531	1140	+09:00	13 27.808N	142 23.487E	2950		222	13	225	12	32	0.9	2764
110531	1145	+09:00	13 27.372N	142 23.254E	2955		98	3	104	3.3	198	0.3	2765
110531	1148	+09:00	13 27.365N	142 23.367E	2944		77	1.3	64	1.8			2765 CHANGED ENG'S TO E/M
110531	1150	+09:00	13 27.365N	142 23.423E	2938		103	1.9	105	1.9	83	0.5	2765
110531	1150	+09:00	13 27.365N	142 23.427E	2938	ST.48	103	1.8	95	2.1	95	0.4	2765 3M ORI NET STARTED
110531	1155	+09:00	13 27.326N	142 23.618E	2916	ST.48	99	2.3	109	2.7	120	0.3	2765
110531	1200	+09:00	13 27.288N	142 23.825E	2882	ST.48	102	2.8	111	2.7	96	0.1	2766
110531	1205	+09:00	13 27.257N	142 24.043E	2848	ST.48	111	2.2	119	2.6	104	0.4	2766
110531	1209	+09:00	13 27.198N	142 24.196E	2824	ST.48	107	2.1	82	2.1	148	0.1	2766 3M ORI NET DEEPEST
110531	1210	+09:00	13 27.188N	142 24.224E	2818	ST.48	108	1.8	102	2.3	133	0.2	2766
110531	1215	+09:00	13 27.128N	142 24.366E	2793	ST.48	120	1.8	135	1.8			2766
110531	1220	+09:00	13 27.045N	142 24.494E	2762	ST.48	119	1.8	134	2	125	3.6	2766
110531	1225	+09:00	13 26.949N	142 24.634E	2723	ST.48	119	2.1	122	2.4	132	1	2766
110531	1230	+09:00	13 26.845N	142 24.759E	2690	ST.48	139	1.9	165	2.3			2767
110531	1235	+09:00	13 26.719N	142 24.841E	2669	ST.48	146	1.9	153	1.9	154	3.7	2767
110531	1240	+09:00	13 26.574N	142 24.898E	2639	ST.48	148	1.9	121	2.3			2767
110531	1245	+09:00	13 26.434N	142 24.957E	2505	ST.48	151	1.9	122	2.3	171	1.1	2767
110531	1250	+09:00	13 26.294N	142 25.011E	2493	ST.48	149	1.9	187	2.4	166	2.7	2767
110531	1255	+09:00	13 26.155N	142 25.057E	2389	ST.48	150	2	142	1.9			2767
110531	1300	+09:00	13 26.018N	142 25.106E	2359	ST.48	150	1.9	163	2			2768
110531	1305	+09:00	13 25.882N	142 25.159E	2343	ST.48	139	2.1	140	2.1			2768
110531	1310	+09:00	13 25.800N	142 25.257E	2354	ST.48	112	1.8	108	1.7			2768
110531	1315	+09:00	13 25.784N	142 25.364E	2202	ST.48	111	1.4	101	1.3			2768
110531	1319	+09:00	13 25.755N	142 25.453E	2162	ST.48	109	1.2	69	1			2768 3M ORI NET FINISHED
110531	1320	+09:00	13 25.753N	142 25.462E	2180		108	1	116	1.8			2768
110531	1325	+09:00	13 25.560N	142 25.397E	2154		222	4.5	205	4.2	333	0.5	2769
110531	1328	+09:00	13 25.433N	142 25.273E	2150		218	3.3	236	3.4	287	0.5	2769 CHANGED ENG'S TO T/M
110531	1328	+09:00	13 25.429N	142 25.270E	2152		218	3.5	221	3.5	277	0.5	2769 SLOW AHEAD ENG'S
110531	1330	+09:00	13 25.361N	142 25.200E	2173		221	5.1	230	5	309	0.4	2769
110531	1335	+09:00	13 24.874N	142 24.714E	2307		220	9.5	228	9.7	330	0.7	2769
110531	1340	+09:00	13 24.200N	142 24.086E	2436		219	13	224	13.2	343	0.7	2770
110531	1343	+09:00	13 23.472N	142 23.431E	2558		219	16.8	221	16.6	359	1	2771 R/UP ENG'S
110531	1345	+09:00	13 23.235N	142 23.218E	2583		219	16.8	222	16.2	335	0.6	2772
110531	1350	+09:00	13 22.205N	142 22.316E	2617		220	16.5	220	16.2	356	0.6	2773
110531	1355	+09:00	13 21.154N	142 21.420E	2625		218	16.2	218	16.3	334	0.4	2774
110531	1400	+09:00	13 20.099N	142 20.538E	2522		219	16.5	221	16.3	11	0.5	2776
110531	1405	+09:00	13 19.037N	142 19.658E	2359		217	16.9	218	16.4	3	0.5	2777
110531	1410	+09:00	13 17.969N	142 18.784E	2495		218	16.6	222	16.3	20	0.4	2778
110531	1415	+09:00	13 16.909N	142 17.920E	2482		218	16.8	215	16.4	10	0.3	2780
110531	1420	+09:00	13 15.836N	142 17.057E	2526		217	16.9	215	16.4	9	0.5	2781
110531	1425	+09:00	13 14.733N	142 16.235E	2451		215	17.1	218	16.5	32	0.5	2783
110531	1430	+09:00	13 13.584N	142 15.489E	2404		212	16.9	211	16.3	31	0.3	2784
110531	1435	+09:00	13 12.430N	142 14.766E	2384		211	17.1	213	16.3	23	0.6	2785
110531	1440	+09:00	13 11.272N	142 14.046E	2322		211	16.8	211	16.7	29	0.2	2787
110531	1445	+09:00	13 10.106N	142 13.330E	2330		211	16.9	212	16.3	103	0.1	2788
110531	1445	+09:00	13 09.901N	142 13.203E	2328		211	16.5	208	15.8	68	0.2	2788
110531	1445	+09:00	13 09.894N	142 13.199E	2324		211	16.6	209	15.5	68	0.2	2788 S/B ENG'S
110531	1450	+09:00	13 09.159N	142 12.757E	2352		210	9.6	210	8.9	60	0.5	2789
110531	1453	+09:00	13 08.922N	142 12.732E	2391		120	2.3	106	2.2	274	0.3	2789 STOPPED ENG'S
110531	1454	+09:00	13 08.893N	142 12.779E	2374		107	1.3	104	2.1			2789 CHANGED ENG'S TO E/M
110531	1455	+09:00	13 08.892N	142 12.782E	2372		107	1.2	147	2	127	2.4	2789
110531	1456	+09:00	13 08.866N	142 12.828E	2359	ST.49	121	1.7	133	2.2	123	2.4	2789 3M ORI NET STARTED
110531	1500	+09:00	13 08.794N	142 12.937E	2333	ST.49	120	2.1	113	3	130	0.5	2790
110531	1505	+09:00	13 08.654N	142 13.143E	2319	ST.49	138	2.3	136	2.9	136	0.5	2790
110531	1510	+09:00	13 08.458N	142 13.265E	2319	ST.49	148	2.3	160	2.8	171	0.4	2790
110531	1515	+09:00	13 08.269N	142 13.346E	2322	ST.49	156	2.1	132	2.4	188	0.2	2790
110531	1516	+09:00	13 08.228N	142 13.362E	2324	ST.49	158	1.8	143	2.5	205	0.2	2790 3M ORI NET DEEPEST
110531	1520	+09:00	13 08.108N	142 13.399E	2334	ST.49	166	1.8	214	2.9	176	0.4	2790
110531	1525	+09:00	13 07.934N	142 13.413E	2218	ST.49	178	2	142	2.7	179	0.2	2791
110531	1530	+09:00	13 07.749N	142 13.416E	2187	ST.49	181	2.1	190	2.1	190	0.3	2791
110531	1535	+09:00	13 07.562N	142 13.413E	2182	ST.49	180	1.9	184	2.5	197	0.2	2791
110531	1540	+09:00	13 07.396N	142 13.408E	2150	ST.49	179	1.8	184	2	183	1.2	2791
110531	1545	+09:00	13 07.232N	142 13.406E	2106	ST.49	182	1.9	185	2.2	190	0.2	2792
110531	1550	+09:00	13 07.056N	142 13.398E	2096	ST.49	180	1.9	226	2.7	217	0.1	2792
110531	1555	+09:00	13 06.879N	142 13.394E	2088	ST.49	180	2	190	2.4	164	0.2	2792
110531	1600	+09:00	13 06.694N	142 13.390E	1952	ST.49	180	2	204	2.4	193	0.2	2792
110531	1605	+09:00	13 06.518N	142 13.382E	1904	ST.49	179	1.9	203	2.2	201	0.4	2792
110531	1610	+09:00	13 06.342N	142 13.380E	1854	ST.49	180	2	193	2.3	189	0.4	2793
110531	1615	+09:00	13 06.161N	142 13.376E	1836	ST.49	181	2	155	2.3	192	0.3	2793
110531	1620	+09:00	13 05.985N	142 13.364E	1857	ST.49	194	1.9	179	2.2	201	0.3	2793

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110531	1625	+09:00	13 05.845N	142 13.269E	1899	ST.49	221	2.2	258	2.7	157	0.2	2793
110531	1629	+09:00	13 05.769N	142 13.149E	1946	ST.49	271	1.6	311	2.1	252	3.6	2793 3M ORI NET FINISHED
110531	1630	+09:00	13 05.768N	142 13.143E	1946		272	1.8	230	2.5	251	3.6	2793
110531	1635	+09:00	13 05.719N	142 12.794E	2087		251	4.6	249	4.5	79	0.5	2794
110531	1638	+09:00	13 05.640N	142 12.604E	2154		242	4.5	241	4.7	191	0.1	2794 CHANGED ENG'S TO T/M
110531	1640	+09:00	13 05.561N	142 12.443E	2222		245	7.3	243	7.4	240	0.4	2794
110531	1645	+09:00	13 05.236N	142 11.753E	2291		245	9.7	240	9.8	236	0.3	2795
110531	1650	+09:00	13 04.803N	142 10.848E	2433		244	13.9	238	13.7	230	0.3	2796
110531	1655	+09:00	13 04.252N	142 09.671E	2596		243	16.1	241	15.7	41	0.4	2797
110531	1700	+09:00	13 03.634N	142 08.471E	2706		236	16.8	238	16.1	46	0.5	2798
110531	1705	+09:00	13 02.949N	142 07.523E	2713		231	10.7	227	10.8	53	0.5	2800
110531	1710	+09:00	13 02.885N	142 07.088E	2761		271	1.4	286	1.8	256	0.6	2800
110531	1710	+09:00	13 02.885N	142 07.085E	2761		271	1.4	234	2.4			2800 STOPPED ENG'S
110531	1712	+09:00	13 02.882N	142 07.034E	2764		272	1.5	272	1.6			2800 CHANGED ENG'S TO E/M
110531	1713	+09:00	13 02.881N	142 06.988E	2766	ST.50	270	2.1	259	2	267	6.6	2800 3M ORI NET STARTED
110531	1715	+09:00	13 02.878N	142 06.946E	2768	ST.50	270	2.2	274	2	180	0.2	2800
110531	1720	+09:00	13 02.870N	142 06.765E	2786	ST.50	268	2.7	262	2.3	66	0.2	2800
110531	1725	+09:00	13 02.864N	142 06.563E	2812	ST.50	269	2.5	262	2.4	100	0.2	2801
110531	1729	+09:00	13 02.864N	142 06.388E	2834	ST.50	269	2.4	230	2.9	79	0.2	2801 3M ORI NET DEEPEST
110531	1730	+09:00	13 02.863N	142 06.367E	2837	ST.50	269	2.3	261	2.2	74	0.2	2801
110531	1735	+09:00	13 02.860N	142 06.212E	2860	ST.50	259	1.8	271	1.5			2801
110531	1740	+09:00	13 02.834N	142 06.077E	2873	ST.50	260	2	259	1.6	259	4.9	2801
110531	1745	+09:00	13 02.807N	142 05.936E	2890	ST.50	259	2	253	1.8	258	4.8	2801
110531	1750	+09:00	13 02.780N	142 05.805E	2905	ST.50	260	1.9	278	1.7			2801
110531	1755	+09:00	13 02.754N	142 05.677E	2918	ST.50	259	2.1	286	1.8			2801
110531	1755	+09:00	13 02.753N	142 05.673E	2918	ST.50	259	2.1	280	1.9			2801
110531	1800	+09:00	13 02.724N	142 05.524E	2932	ST.50	260	2	278	1.9	258	0.4	2802 SUNSET & PUT ON REGULATION LIGHTS
110531	1805	+09:00	13 02.697N	142 05.376E	2947	ST.50	260	1.9	274	1.8			2802
110531	1810	+09:00	13 02.670N	142 05.222E	2957	ST.50	260	2.1	270	2.4	256	0.9	2802
110531	1815	+09:00	13 02.639N	142 05.054E	2963	ST.50	259	2.1	267	2.4			2802
110531	1820	+09:00	13 02.607N	142 04.905E	2968	ST.50	259	2.1	280	1.9			2802
110531	1825	+09:00	13 02.571N	142 04.762E	2973	ST.50	260	1.9	234	2.3			2802
110531	1830	+09:00	13 02.534N	142 04.629E	2982	ST.50	260	1.9	282	1.9			2803
110531	1835	+09:00	13 02.500N	142 04.486E	2993	ST.50	260	2.2	218	2.8	250	1.6	2803
110531	1838	+09:00	13 02.473N	142 04.370E	3003	ST.50	260	2.3	281	2.6	138	0.2	2803 3M ORI NET FINISHED
110531	1840	+09:00	13 02.456N	142 04.296E	3009		261	2.6	271	2.7	143	0.2	2803
110531	1845	+09:00	13 02.248N	142 04.081E	3008		190	4.6	188	4.4	198	0.4	2803
110531	1848	+09:00	13 02.046N	142 04.058E	3000		189	3.5	208	4.5	172	0.7	2804 CHANGED ENG'S TO T/M
110531	1850	+09:00	13 01.907N	142 04.033E	2993		189	5.3	204	5.9	197	0.4	2804
110531	1855	+09:00	13 01.225N	142 03.900E	2864		190	9.4	192	9.7	95	0.6	2804
110531	1900	+09:00	13 00.265N	142 03.721E	2874		190	13.4	193	13.4	203	0.6	2805
110531	1905	+09:00	12 59.018N	142 03.555E	2807		186	15.8	187	16.5	3	0.5	2807
110531	1910	+09:00	12 57.631N	142 03.411E	2435		185	16.9	188	16.5	264	0.1	2808
110531	1915	+09:00	12 56.246N	142 03.269E	2202		186	17.1	186	16.7	225	0.2	2809
110531	1920	+09:00	12 54.861N	142 03.146E	2162		185	16.3	186	16.6	38	0.1	2811
110531	1925	+09:00	12 53.461N	142 03.048E	1880		181	16.9	178	16.6	215	0.2	2812
110531	1930	+09:00	12 52.054N	142 02.963E	2036		184	16.2	187	16.9	185	0.7	2814
110531	1935	+09:00	12 50.947N	142 02.758E	2035		174	8.9	176	8.9	284	0.2	2815
110531	1938	+09:00	12 50.769N	142 02.948E	2156		97	1.5	109	1.6	162	0.9	2815 STOPPED ENG'S
110531	1940	+09:00	12 50.756N	142 02.975E	2158		92	1.3	87	2			2815
110531	1942	+09:00	12 50.737N	142 03.029E	2156		100	1.9	82	2.5	144	0.8	2815 CHANGED ENG'S TO E/M
110531	1942	+09:00	12 50.724N	142 03.054E	2138	ST.51	110	2	93	2.3	167	0.6	2815 3M ORI NET STARTED
110531	1945	+09:00	12 50.683N	142 03.117E	2157	ST.51	110	1.8	114	2.5	159	0.6	2815
110531	1950	+09:00	12 50.564N	142 03.292E	2205	ST.51	113	2.6	133	3	179	0.6	2815
110531	1955	+09:00	12 50.437N	142 03.476E	2296	ST.51	110	2.3	129	3	173	0.8	2816
110531	1959	+09:00	12 50.331N	142 03.635E	2441	ST.51	110	2.1	133	2.8	186	0.7	2816 3M ORI NET DEEPEST
110531	2000	+09:00	12 50.317N	142 03.653E	2441	ST.51	111	2.1	124	2.6	185	0.6	2816
110531	2005	+09:00	12 50.196N	142 03.813E	2451	ST.51	110	2	104	2.4	193	0.7	2816
110531	2010	+09:00	12 50.084N	142 03.960E	2475	ST.51	109	2.1	120	2.3	171	0.8	2816
110531	2015	+09:00	12 49.983N	142 04.098E	2434	ST.51	110	2	107	1.9	165	1.2	2816
110531	2020	+09:00	12 49.881N	142 04.239E	2422	ST.51	111	2	139	2.1	168	0.8	2817
110531	2025	+09:00	12 49.772N	142 04.368E	2434	ST.51	110	1.9	149	2.3			2817
110531	2030	+09:00	12 49.673N	142 04.498E	2472	ST.51	109	2.1	130	2.3	180	0.9	2817
110531	2035	+09:00	12 49.572N	142 04.651E	2587	ST.51	109	2.2	131	2	193	0.6	2817
110531	2040	+09:00	12 49.473N	142 04.785E	2591	ST.51	111	1.9	157	2.7			2817
110531	2045	+09:00	12 49.371N	142 04.924E	2622	ST.51	109	2	94	1.8			2818
110531	2050	+09:00	12 49.279N	142 05.065E	2688	ST.51	109	1.9	111	2.1	162	0.7	2818
110531	2055	+09:00	12 49.185N	142 05.201E	2793	ST.51	110	2	131	2.2	186	0.6	2818
110531	2100	+09:00	12 49.079N	142 05.351E	2827	ST.51	110	2.1	108	2	204	0.7	2818
110531	2105	+09:00	12 48.978N	142 05.486E	2983	ST.51	111	1.9	120	2	185	0.6	2818
110531	2110	+09:00	12 48.891N	142 05.581E	2954	ST.51	109	1.2	152	1.2			2818
110531	2115	+09:00	12 48.811N	142 05.669E	2939	ST.51	106	1.7	143	2.2	137	10	2819
110531	2115	+09:00	12 48.798N	142 05.688E	2933	ST.51	107	1.7	157	2.8	136	9.3	2819 3M ORI NET FINISHED
110531	2120	+09:00	12 48.867N	142 05.726E	2944		327	1.5	315	1.5			2819
110531	2123	+09:00	12 48.868N	142 05.584E	2975		250	4.4	252	4.8	272	0.7	2819 CHANGED ENG'S TO T/M
110531	2125	+09:00	12 48.824N	142 05.463E	2982		246	6.6	252	7.1	263	0.6	2819
110531	2130	+09:00	12 48.514N	142 04.712E	2710		247	10.8	241	11.4	244	0.6	2820
110531	2135	+09:00	12 48.101N	142 03.695E	2416		248	12.4	244	13.3	247	0.3	2821
110531	2140	+09:00	12 47.669N	142 02.614E	1928		249	14.1	246	13.5	240	0.2	2822
110531	2145	+09:00	12 47.232N	142 01.509E	2166		249	13.6	247	14.3	260	0.4	2823
110531	2150	+09:00	12 46.809N	142 00.401E	2178		249	11.4	245	12.1	264	0.3	2824
110531	2155	+09:00	12 46.546N	141 59.806E	1933		184	2.6	199	2.9	284	0.7	2825
110531	2157	+09:00	12 46.483N	141 59.780E	1936		142	1.2	196	1.8			2825 CHANGED ENG'S TO E/M
110531	2159	+09:00	12 46.433N	141 59.801E	2117	ST.52	100	1.9	133	1.9	177	3.6	2825 3M ORI NET STARTED
110531	2200	+09:00	12 46.428N	141 59.811E	2058	ST.52	99	1.9	125	1.4			2825
110531	2205	+09:00	12 46.366N	141 59.932E	2198	ST.52	100	2.3	100	2	218	0.6	2825
110531	2210	+09:00	12 46.288N	142 00.103E	2141	ST.52	100	2.4	113	2.4	223	0.5	2826
110531	2214	+09:00	12 46.223N	142 00.241E	2158	ST.52	101	2.1	106	1.8			2826 3M ORI NET DEEPEST

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110531	2215	+09:00	12 46.214N	142 00.257E	2162	ST.52	101	2.1	139	2	138	2.2	2826
110531	2220	+09:00	12 46.144N	142 00.388E	2221	ST.52	100	2.1	110	1.6			2826
110531	2225	+09:00	12 46.080N	142 00.518E	2388	ST.52	100	1.9	83	1.8			2826
110531	2230	+09:00	12 46.016N	142 00.648E	2394	ST.52	99	2.1	156	2.8	139	1.2	2826
110531	2235	+09:00	12 45.950N	142 00.779E	2393	ST.52	99	1.9	125	1.9			2826
110531	2240	+09:00	12 45.886N	142 00.909E	2384	ST.52	101	1.9	139	2.2	145	1.5	2827
110531	2245	+09:00	12 45.826N	142 01.030E	2378	ST.52	100	2	141	2.1	122	6.2	2827
110531	2250	+09:00	12 45.764N	142 01.158E	2352	ST.52	100	2	128	1.7			2827
110531	2255	+09:00	12 45.699N	142 01.274E	2290	ST.52	100	2	104	2.3			2827
110531	2300	+09:00	12 45.628N	142 01.425E	2241	ST.52	100	2.1	128	2			2827
110531	2305	+09:00	12 45.559N	142 01.554E	2238	ST.52	101	1.8	135	1.6			2827
110531	2310	+09:00	12 45.495N	142 01.667E	2252	ST.52	98	2	120	1.9	128	2.1	2827
110531	2315	+09:00	12 45.424N	142 01.804E	2302	ST.52	99	2.1	88	2			2828
110531	2320	+09:00	12 45.340N	142 01.935E	2373	ST.52	101	2.1	136	1.7			2828
110531	2325	+09:00	12 45.255N	142 02.025E	2582	ST.52	101	1.2	160	1.5			2828
110531	2330	+09:00	12 45.196N	142 02.073E	2620	ST.52	97	1.1	169	1.9			2828
110531	2330	+09:00	12 45.192N	142 02.076E	2620	ST.52	97	1.1	134	1.1			2828 3M ORI NET FINISHED
110531	2335	+09:00	12 45.047N	142 02.135E	2628		200	2.1	199	2.8	234	0.6	2828
110531	2339	+09:00	12 44.959N	142 01.988E	2498		271	3.1	268	4.1	229	1	2828 S/B ENG'S
110531	2340	+09:00	12 44.949N	142 01.903E	2460		268	5.3	252	6	234	0.9	2828
110531	2345	+09:00	12 44.877N	142 01.207E	2475		268	9	267	9.8	234	0.9	2829
110531	2350	+09:00	12 44.802N	142 00.109E	2558		268	14.5	266	15.9	211	0.8	2830
110531	2355	+09:00	12 44.754N	141 58.708E	2011		270	17.5	269	17.5	233	0.5	2831
110601	0	+09:00	12 44.753N	141 57.240E	2443		270	16.8	271	17	230	0.4	2833
110601	0	+09:00	12 44.748N	141 57.166E	2471		270	16.9	272	17.4	230	0.5	2833 R/UP ENG'S
110601	5	+09:00	12 44.772N	141 55.784E	2472		273	16.8	273	17.4	241	0.2	2834
110601	10	+09:00	12 44.823N	141 54.345E	2059		273	16.8	276	16.6	179	0.2	2836
110601	15	+09:00	12 44.866N	141 52.913E	1987		272	16.8	271	16.7	247	0.5	2837
110601	20	+09:00	12 44.916N	141 51.495E	1980		272	16.8	273	16.9	199	0.3	2839
110601	25	+09:00	12 44.966N	141 50.079E	1963		273	16.6	273	16.5	190	0.2	2840
110601	30	+09:00	12 45.022N	141 48.654E	2080		272	16.6	274	16.6	132	0.2	2841
110601	35	+09:00	12 45.078N	141 47.249E	2059		273	17.5	273	16.6	128	0.3	2843
110601	40	+09:00	12 45.143N	141 45.841E	2120		273	16.6	274	16.4	102	0.4	2844
110601	45	+09:00	12 45.211N	141 44.448E	2225		272	16.8	270	16.3	103	0.8	2845
110601	50	+09:00	12 45.270N	141 43.046E	2122		272	16.9	272	16.7	188	0.2	2847
110601	55	+09:00	12 45.332N	141 41.641E	2120		272	17.1	273	17	195	0.3	2848
110601	100	+09:00	12 45.279N	141 40.231E	1919		269	16.3	267	16.6	108	0.3	2850
110601	105	+09:00	12 45.240N	141 38.824E	1503		269	16.5	268	16.3	71	0.4	2851
110601	110	+09:00	12 45.199N	141 37.426E	2107		268	17.5	269	16.7	79	0.3	2852
110601	114	+09:00	12 45.166N	141 36.131E	2299		268	16.8	267	16.2	70	0.5	2854 S/B ENG'S USED ENG'S VAR'LY
110601	114	+09:00	12 45.165N	141 36.121E	2299		268	16.8	268	16.6	64	0.5	2854 USED HELM VAR'LY
110601	115	+09:00	12 45.161N	141 36.034E	2266		266	16.6	268	16	68	0.5	2854
110601	120	+09:00	12 45.082N	141 35.071E	2390		265	6.9	266	6.3	92	0.4	2855
110601	122	+09:00	12 45.068N	141 34.885E	2405		271	3.3	289	3.1	309	0	2855 STOPPED ENG'S
110601	125	+09:00	12 45.065N	141 34.800E	2411		269	2	238	1.8			2855
110601	125	+09:00	12 45.065N	141 34.797E	2411		268	1.9	295	2.2	266	2.4	2855 CHANGED ENG'S TO E/M
110601	126	+09:00	12 45.062N	141 34.743E	2413	ST.53	270	2.1	260	1.8			2855 3M ORI NET STARTED
110601	130	+09:00	12 45.057N	141 34.637E	2416	ST.53	269	2.3	291	2.2	141	0.1	2855
110601	135	+09:00	12 45.046N	141 34.440E	2432	ST.53	268	2.5	255	2.5	101	0.3	2855
110601	140	+09:00	12 45.044N	141 34.242E	2511	ST.53	269	2.5	249	2.3	108	0.3	2855
110601	143	+09:00	12 45.036N	141 34.096E	2550	ST.53	269	2.2	282	1.9	112	0.3	2856 3M ORI NET DEEPEST
110601	145	+09:00	12 45.034N	141 34.059E	2554	ST.53	268	2.2	283	1.9	258	0.9	2856
110601	150	+09:00	12 45.010N	141 33.911E	2574	ST.53	254	2	246	2			2856
110601	155	+09:00	12 44.955N	141 33.773E	2694	ST.53	242	1.6	245	1.6			2856
110601	200	+09:00	12 44.916N	141 33.632E	2553	ST.53	254	1.9	274	2	261	2.1	2856
110601	205	+09:00	12 44.893N	141 33.468E	2591	ST.53	269	2.2	258	1.9			2856
110601	210	+09:00	12 44.890N	141 33.296E	2600	ST.53	269	2	254	2.2	280	0.2	2857
110601	215	+09:00	12 44.882N	141 33.121E	2550	ST.53	270	2.1	253	2.1	274	0.3	2857
110601	220	+09:00	12 44.884N	141 32.948E	2527	ST.53	270	2.1	276	2.1	277	0.7	2857
110601	225	+09:00	12 44.888N	141 32.755E	2530	ST.53	270	2.3	262	2.5	252	0.2	2857
110601	230	+09:00	12 44.890N	141 32.576E	2558	ST.53	269	1.8	287	2	290	0.5	2857
110601	235	+09:00	12 44.874N	141 32.421E	2696	ST.53	238	1.8	282	2	258	4	2857
110601	240	+09:00	12 44.794N	141 32.286E	2654	ST.53	206	1.9	200	1.7			2858
110601	245	+09:00	12 44.676N	141 32.238E	2620	ST.53	194	1.3	234	1.6			2858
110601	250	+09:00	12 44.545N	141 32.176E	2605	ST.53	193	1.8	205	1.8			2858
110601	250	+09:00	12 44.533N	141 32.169E	2605	ST.53	193	1.5	254	2.7			2858 3M ORI NET FINISHED
110601	255	+09:00	12 44.460N	141 32.109E	2615		203	1.8	237	2.3	229	2.3	2858
110601	300	+09:00	12 44.444N	141 31.841E	2646		284	3.8	286	3.7	158	0.1	2858
110601	302	+09:00	12 44.477N	141 31.732E	2658		296	1.4	319	1.8			2858 CHANGED ENG'S TO T/M
110601	302	+09:00	12 44.478N	141 31.732E	2662		296	1.4	310	1.7			2858 SLOW AHEAD ENG'S
110601	305	+09:00	12 44.506N	141 31.625E	2688		280	3.6	272	3.8	300	0.4	2859
110601	310	+09:00	12 44.631N	141 31.009E	2695		282	9.3	277	9.4	251	0.3	2859
110601	314	+09:00	12 44.798N	141 30.140E	2730		280	13.4	284	13.5	283	0.5	2860 CLEARED OUT EEZ OF U.S.
110601	314	+09:00	12 44.799N	141 30.132E	2732		280	13.3	281	13.8	283	0.5	2860 ENTERED IN EEZ OF MICRONESIA
110601	315	+09:00	12 44.820N	141 30.026E	2748		281	14.4	281	14.7	284	0.3	2860
110601	320	+09:00	12 45.054N	141 28.700E	2825		282	16.9	282	17.3	260	0.3	2861
110601	325	+09:00	12 45.318N	141 27.321E	2099		281	16.5	282	16.8	330	0.5	2863
110601	330	+09:00	12 45.587N	141 25.939E	958		281	16.6	283	16	54	0.2	2864
110601	335	+09:00	12 45.849N	141 24.579E	0		281	16.5	281	16.2	41	0.2	2866
110601	340	+09:00	12 46.116N	141 23.201E	1791		280	16.3	281	16.9	1	0.3	2867
110601	345	+09:00	12 46.389N	141 21.811E	2068		280	16.6	283	16.8	334	0.4	2868
110601	350	+09:00	12 46.670N	141 20.405E	2868		280	16.3	282	16.9	325	0.5	2870
110601	355	+09:00	12 46.964N	141 19.279E	3320		2	7.6	354	7.7	246	0.6	2871
110601	400	+09:00	12 46.997N	141 19.492E	3301		117	1.2	74	1			2871
110601	400	+09:00	12 46.995N	141 19.493E	3308		117	1	185	0.9			2871 STOPPED ENG'S
110601	402	+09:00	12 46.980N	141 19.497E	3302		119	0.9	199	1.2			2871 CHANGED ENG'S TO E/M
110601	404	+09:00	12 46.954N	141 19.514E	3302	ST.54	120	1.9	161	1.3			2871 3M ORI NET STARTED
110601	405	+09:00	12 46.946N	141 19.521E	3309	ST.54	120	1.8	183	2.1			2871

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DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110601	410	+09:00	12 46.869N	141 19.599E	3296	ST.54	120	2.2	132	1.7		2871	
110601	415	+09:00	12 46.870N	141 19.733E	3266	ST.54	92	2.5	95	2.3	349 0.4	2872	
110601	420	+09:00	12 46.891N	141 19.895E	3266	ST.54	89	2.4	48	2.5	22 0.5	2872	
110601	422	+09:00	12 46.910N	141 19.981E	3143	ST.54	89	2.6	58	2.2	65 2.1	2872	3M ORI NET DEEPEST
110601	425	+09:00	12 46.926N	141 20.047E	3074	ST.54	89	2	48	2.1		2872	
110601	430	+09:00	12 46.954N	141 20.172E	2980	ST.54	90	2	98	1.5		2872	
110601	435	+09:00	12 46.988N	141 20.304E	2911	ST.54	89	2	73	1.7		2872	
110601	440	+09:00	12 47.026N	141 20.447E	2830	ST.54	90	2	110	1.7	69 5.6	2872	
110601	445	+09:00	12 47.055N	141 20.584E	2769	ST.54	91	1.9	78	1.7	74 5	2873	
110601	450	+09:00	12 47.093N	141 20.717E	2665	ST.54	89	1.8	65	2.2		2873	
110601	455	+09:00	12 47.125N	141 20.863E	2612	ST.54	90	1.9	81	1.8		2873	
110601	500	+09:00	12 47.153N	141 21.003E	2477	ST.54	90	1.8	73	1.4	76 8	2873	
110601	505	+09:00	12 47.188N	141 21.138E	2335	ST.54	89	1.9	63	1.8		2873	
110601	507	+09:00	12 47.204N	141 21.201E	2310	ST.54	90	2.1	54	1.9		2873	SUNRISE & TURNED OFF REGULATION LIGHTS
110601	510	+09:00	12 47.228N	141 21.283E	2256	ST.54	90	1.6	95	1.4		2873	
110601	515	+09:00	12 47.273N	141 21.417E	2135	ST.54	89	1.8	46	2.7	68 9.7	2873	
110601	520	+09:00	12 47.322N	141 21.550E	2014	ST.54	90	1.8	93	1.7	64 4	2874	
110601	525	+09:00	12 47.371N	141 21.692E	1909	ST.54	89	1.6	77	1.8		2874	
110601	530	+09:00	12 47.412N	141 21.845E	1786	ST.54	90	2.1	97	1.9		2874	
110601	535	+09:00	12 47.445N	141 22.007E	1754	ST.54	90	1.9	64	1.8		2874	
110601	535	+09:00	12 47.446N	141 22.012E	1753	ST.54	90	1.9	72	1.7		2874	3M ORI NET FINISHED
110601	540	+09:00	12 47.448N	141 22.203E	1782		138	3.9	143	3.7	6 0.3	2874	
110601	545	+09:00	12 47.194N	141 22.140E	1711		185	1.8	200	1.6	281 1	2875	
110601	545	+09:00	12 47.160N	141 22.121E	1690		194	3.2	219	3.4	288 0.8	2875	CHANGED ENG'S TO T/M
110601	550	+09:00	12 46.809N	141 21.965E	1803		198	7.4	194	7.8	287 0.6	2875	
110601	555	+09:00	12 46.060N	141 21.648E	2335		199	11.9	200	11.1	325 0.8	2876	
110601	600	+09:00	12 45.068N	141 21.231E	2885		201	15	204	15.3	328 1	2877	
110601	605	+09:00	12 43.851N	141 20.724E	2915		200	16.5	204	16.1	338 1.1	2878	
110601	610	+09:00	12 42.602N	141 20.203E	3052		200	16.9	202	16.2	326 0.8	2880	
110601	615	+09:00	12 41.354N	141 19.701E	3081		199	16.9	202	16.2	347 0.8	2881	
110601	620	+09:00	12 40.103N	141 19.194E	2588		199	16.6	201	16.4	335 0.9	2882	
110601	625	+09:00	12 38.846N	141 18.683E	2372		200	16.9	203	16	336 0.9	2884	
110601	630	+09:00	12 37.598N	141 18.171E	2687		200	16.6	203	15.9	326 0.9	2885	
110601	635	+09:00	12 36.359N	141 17.650E	2757		200	16.6	202	16.1	328 1.1	2886	
110601	640	+09:00	12 35.111N	141 17.124E	2749		200	16.8	201	16.1	331 1.1	2888	
110601	645	+09:00	12 33.940N	141 16.575E	2687		202	13.8	209	13.1	315 0.9	2889	
110601	650	+09:00	12 33.233N	141 16.390E	2610		112	5.6	116	4.8	275 0.9	2890	
110601	652	+09:00	12 33.200N	141 16.509E	2582		103	1.5	96	1.1		2890	STOPPED ENG'S
110601	654	+09:00	12 33.198N	141 16.531E	2602		103	0.9	166	1.7		2890	CHANGED ENG'S TO E/M
110601	655	+09:00	12 33.198N	141 16.534E	2603		104	0.8	64	1.5		2890	
110601	656	+09:00	12 33.191N	141 16.564E	2600	ST.55	111	1.8	105	1.8		2890	3M ORI NET STARTED
110601	700	+09:00	12 33.162N	141 16.649E	2533	ST.55	110	1.8	90	1.6		2890	
110601	705	+09:00	12 33.108N	141 16.802E	2532	ST.55	109	2.4	107	2.1	304 0.2	2890	
110601	710	+09:00	12 33.054N	141 16.969E	2512	ST.55	109	2.5	112	1.9	296 0.4	2890	
110601	715	+09:00	12 33.008N	141 17.137E	2361	ST.55	111	2.2	140	2.3		2891	
110601	715	+09:00	12 33.004N	141 17.151E	2350	ST.55	110	2	118	1.7		2891	3M ORI NET DEEPEST
110601	720	+09:00	12 32.974N	141 17.263E	2296	ST.55	109	2.1	107	2.2		2891	
110601	725	+09:00	12 32.940N	141 17.386E	2238	ST.55	110	1.9	149	2.5		2891	
110601	730	+09:00	12 32.902N	141 17.508E	2191	ST.55	112	1.9	111	1.5		2891	
110601	735	+09:00	12 32.869N	141 17.639E	2143	ST.55	111	1.9	78	1.8		2891	
110601	740	+09:00	12 32.841N	141 17.770E	2100	ST.55	110	1.9	115	1.7		2891	
110601	745	+09:00	12 32.805N	141 17.902E	2062	ST.55	110	1.9	95	1.6		2891	
110601	750	+09:00	12 32.777N	141 18.024E	2057	ST.55	109	1.9	91	1.8		2892	
110601	755	+09:00	12 32.753N	141 18.147E	1999	ST.55	110	1.9	88	1.5		2892	
110601	800	+09:00	12 32.722N	141 18.288E	1938	ST.55	111	2	108	1.7		2892	
110601	805	+09:00	12 32.684N	141 18.412E	2003	ST.55	110	1.9	115	1.6		2892	
110601	810	+09:00	12 32.654N	141 18.525E	1926	ST.55	110	1.8	120	2		2892	
110601	815	+09:00	12 32.628N	141 18.651E	1853	ST.55	110	2	93	1.9		2892	
110601	820	+09:00	12 32.606N	141 18.772E	1774	ST.55	100	1.4	118	1.3		2892	
110601	825	+09:00	12 32.617N	141 18.835E	1746	ST.55	100	0.8	24	1.3		2893	
110601	829	+09:00	12 32.631N	141 18.881E	1724	ST.55	101	1	78	1.1		2893	3M ORI NET FINISHED
110601	830	+09:00	12 32.631N	141 18.882E	1724		101	1	111	1.4		2893	
110601	835	+09:00	12 32.488N	141 18.800E	1752		220	2.7	242	2.5	329 0.7	2893	
110601	837	+09:00	12 32.422N	141 18.689E	1690		224	3.3	242	3.8	297 0.8	2893	CHANGED ENG'S TO T/M
110601	840	+09:00	12 32.318N	141 18.554E	1736		223	6.2	228	6.4	295 0.8	2893	
110601	845	+09:00	12 31.860N	141 18.009E	1980		226	10.5	231	10.1	288 0.9	2894	
110601	850	+09:00	12 31.149N	141 17.164E	2354		226	15.8	231	15.5	326 1	2895	
110601	855	+09:00	12 30.248N	141 16.134E	2434		225	16.5	226	16	346 0.9	2896	
110601	900	+09:00	12 29.289N	141 15.140E	2369		222	17.1	223	15.9	359 1	2898	
110601	905	+09:00	12 28.328N	141 14.173E	2366		222	17.1	224	16	355 0.9	2899	
110601	910	+09:00	12 27.396N	141 13.279E	2333		215	12.5	218	11.7	344 1	2900	
110601	915	+09:00	12 26.883N	141 12.866E	2293		191	4	199	3.3	332 1	2901	
110601	918	+09:00	12 26.831N	141 12.850E	2284		127	0.8	151	0.1		2901	CHANGED ENG'S TO E/M
110601	920	+09:00	12 26.820N	141 12.870E	2282		104	1.8	85	1.5		2901	
110601	920	+09:00	12 26.819N	141 12.880E	2281	ST.56	98	1.8	100	1.6		2901	3M ORI NET STARTED
110601	925	+09:00	12 26.826N	141 13.010E	2280	ST.56	104	2.6	87	2.2	83 2.9	2901	
110601	930	+09:00	12 26.820N	141 13.179E	2284	ST.56	100	2.4	66	2.4	72 1.3	2901	
110601	934	+09:00	12 26.822N	141 13.336E	2284	ST.56	100	2.1	81	1.8		2901	3M ORI NET DEEPEST
110601	935	+09:00	12 26.823N	141 13.344E	2284	ST.56	100	2.1	100	1.6		2902	
110601	940	+09:00	12 26.830N	141 13.495E	2286	ST.56	99	1.9	70	2.1	58 0.9	2902	
110601	945	+09:00	12 26.838N	141 13.646E	2283	ST.56	100	1.9	93	1.7		2902	
110601	950	+09:00	12 26.849N	141 13.789E	2288	ST.56	99	1.9	73	1.8		2902	
110601	955	+09:00	12 26.867N	141 13.928E	2284	ST.56	99	1.9	90	1.8		2902	
110601	1000	+09:00	12 26.879N	141 14.067E	2274	ST.56	100	1.9	95	1.7		2902	
110601	1005	+09:00	12 26.889N	141 14.211E	2258	ST.56	100	2.1	102	1.9		2902	
110601	1010	+09:00	12 26.891N	141 14.366E	2252	ST.56	99	2.1	95	1.9		2903	
110601	1015	+09:00	12 26.892N	141 14.511E	2232	ST.56	99	2.1	82	2		2903	
110601	1020	+09:00	12 26.895N	141 14.665E	2218	ST.56	100	2.3	82	1.9		2903	



Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110601	1025	+09:00	12 26.900N	141 14.813E	2192	ST.56	99	1.9	103	2.1	81	4.4	2903
110601	1030	+09:00	12 26.907N	141 14.949E	2179	ST.56	100	1.9	114	1.7	83	6.7	2903
110601	1035	+09:00	12 26.916N	141 15.101E	2164	ST.56	100	2	71	2.3			2903
110601	1040	+09:00	12 26.921N	141 15.243E	2143	ST.56	99	1.8	76	1.8	85	6.2	2904
110601	1045	+09:00	12 26.932N	141 15.348E	2135	ST.56	98	1	50	1.5			2904
110601	1050	+09:00	12 26.947N	141 15.400E	2132	ST.56	104	0.9	42	1.3			2904
110601	1051	+09:00	12 26.950N	141 15.415E	2132	ST.56	104	0.9	154	0.9			2904 3M ORI NET FINISHED
110601	1055	+09:00	12 26.895N	141 15.432E	2128		203	2.3	224	2.2	92	12	2904
110601	1100	+09:00	12 26.848N	141 15.245E	2138		240	3.2	263	3.9	313	0.9	2904
110601	1100	+09:00	12 26.838N	141 15.204E	2142		250	3.6	250	4.2	301	1	2904 CHANGED ENG'S TO T/M
110601	1105	+09:00	12 26.681N	141 14.890E	2196		247	9.6	249	9.8	306	0.9	2905
110601	1110	+09:00	12 26.356N	141 13.624E	2242		252	15.8	257	15.9	348	0.9	2906
110601	1115	+09:00	12 25.991N	141 12.291E	2232		251	17.1	256	16.4	349	1	2907
110601	1115	+09:00	12 25.985N	141 12.268E	2232		252	17.3	254	16.5	349	1	2907 R/UP ENG'S
110601	1120	+09:00	12 25.633N	141 10.934E	2267		253	17.3	253	16.7	357	0.9	2909
110601	1125	+09:00	12 25.292N	141 09.575E	2310		254	16.5	257	16.8	10	1.1	2910
110601	1130	+09:00	12 24.864N	141 08.246E	2343		248	17.1	250	16.8	3	1	2911
110601	1135	+09:00	12 24.431N	141 06.914E	2381		248	16.8	251	16.4	0	0.8	2913
110601	1140	+09:00	12 24.007N	141 05.569E	2382		249	16.8	251	16.5	353	0.7	2914
110601	1145	+09:00	12 23.578N	141 04.225E	2376		250	17.1	254	16.8	350	0.7	2915
110601	1150	+09:00	12 23.161N	141 02.883E	2414		250	16.8	252	16.7	350	0.8	2917
110601	1155	+09:00	12 22.708N	141 01.545E	2499		249	17.1	252	16.8	354	0.7	2918
110601	1157	+09:00	12 22.464N	141 00.839E	2494		248	16.9	252	16.1	337	0.7	2919 S/B ENG'S
110601	1200	+09:00	12 22.275N	141 00.296E	2481		248	11.9	254	11.9	352	0.7	2919
110601	1204	+09:00	12 22.055N	140 59.999E	2452		111	1.6	153	1			2920 STOPPED ENG'S
110601	1205	+09:00	12 22.053N	141 00.001E	2452		107	1.6	138	0.9			2920
110601	1206	+09:00	12 22.049N	141 00.009E	2452		96	0.9	73	0.5			2920 CHANGED ENG'S TO E/M
110601	1208	+09:00	12 22.049N	141 00.022E	2448	ST.57	100	1.2	77	0.9			2920 3M ORI NET STARTED
110601	1210	+09:00	12 22.048N	141 00.057E	2444	ST.57	100	1.6	80	1.5			2920
110601	1215	+09:00	12 22.041N	141 00.197E	2432	ST.57	100	2.4	105	2.1			2920
110601	1220	+09:00	12 22.026N	141 00.395E	2426	ST.57	101	2.7	87	2.7	311	0.4	2920
110601	1225	+09:00	12 22.015N	141 00.581E	2436	ST.57	99	2.2	111	2.1			2920
110601	1225	+09:00	12 22.015N	141 00.608E	2437	ST.57	100	2	124	1.7			2920 3M ORI NET DEEPEST
110601	1230	+09:00	12 22.012N	141 00.710E	2437	ST.57	100	1.9	65	2			2921
110601	1235	+09:00	12 22.012N	141 00.849E	2442	ST.57	100	2.1	78	2.9	88	8.3	2921
110601	1240	+09:00	12 22.014N	141 00.992E	2434	ST.57	99	2.1	96	1.6			2921
110601	1245	+09:00	12 22.021N	141 01.128E	2424	ST.57	100	1.9	57	2.7	78	3.2	2921
110601	1250	+09:00	12 22.035N	141 01.243E	2412	ST.57	99	1.9	70	1.8			2921
110601	1255	+09:00	12 22.044N	141 01.398E	2400	ST.57	99	2.2	77	2.5			2921
110601	1300	+09:00	12 22.060N	141 01.534E	2393	ST.57	99	1.8	80	1.4			2921
110601	1305	+09:00	12 22.081N	141 01.655E	2387	ST.57	100	1.9	64	1.9			2922
110601	1310	+09:00	12 22.097N	141 01.785E	2378	ST.57	100	1.9	70	1.8			2922
110601	1315	+09:00	12 22.122N	141 01.916E	2371	ST.57	100	1.9	65	1.9	74	6.8	2922
110601	1320	+09:00	12 22.141N	141 02.063E	2367	ST.57	100	2.1	82	1.6			2922
110601	1325	+09:00	12 22.170N	141 02.193E	2361	ST.57	98	1.7	80	1.7			2922
110601	1330	+09:00	12 22.206N	141 02.307E	2356	ST.57	101	1.5	87	1.7			2922
110601	1335	+09:00	12 22.248N	141 02.390E	2357	ST.57	100	1	100	0.6			2922
110601	1336	+09:00	12 22.261N	141 02.399E	2359	ST.57	100	0.7	37	1.4			2922 3M ORI NET FINISHED
110601	1340	+09:00	12 22.387N	141 02.484E	2358		32	4.1	24	4.9	345	1	2923
110601	1344	+09:00	12 22.644N	141 02.560E	2380		30	2.8	16	3.6	334	1.1	2923 CHANGED ENG'S TO T/M
110601	1344	+09:00	12 22.647N	141 02.560E	2380		30	2.8	3	4.5	334	1.1	2923 SLOW AHEAD ENG'S
110601	1344	+09:00	12 22.653N	141 02.562E	2380		30	2.9	26	3.8	332	1.2	2923 S/CO ON 028°
110601	1345	+09:00	12 22.655N	141 02.563E	2380		30	3.1	22	3.8	334	1.2	2923
110601	1350	+09:00	12 23.251N	141 02.864E	2429		33	9.4	30	10.4	348	1.1	2924
110601	1355	+09:00	12 24.164N	141 03.368E	2511		32	13.3	29	13.9	337	0.9	2925
110601	1400	+09:00	12 25.319N	141 04.013E	2604		27	16.5	25	16.8	338	0.6	2926
110601	1400	+09:00	12 25.387N	141 04.044E	2616		27	16.2	27	16.6	341	0.8	2926 R/UP ENG'S
110601	1405	+09:00	12 26.578N	141 04.617E	2666		25	16.5	27	17.1	354	0.6	2927
110601	1410	+09:00	12 27.852N	141 05.188E	2715		25	16.2	23	16.9	323	0.5	2929
110601	1415	+09:00	12 29.122N	141 05.744E	2711		25	16.5	24	16.9	337	0.6	2930
110601	1420	+09:00	12 30.391N	141 06.289E	2684		25	16.2	24	16.4	307	0.6	2931
110601	1425	+09:00	12 31.658N	141 06.826E	2700		25	16.3	22	16.5	307	0.6	2933
110601	1430	+09:00	12 32.933N	141 07.356E	2720		25	16.2	24	16.7	308	0.6	2934
110601	1435	+09:00	12 34.226N	141 07.858E	2688		21	16.3	15	16.2	305	0.9	2936
110601	1440	+09:00	12 35.545N	141 08.301E	3001		21	16.3	18	17.1	315	0.9	2937
110601	1445	+09:00	12 36.869N	141 08.749E	3219		21	16.6	16	17.6	309	1	2938
110601	1450	+09:00	12 38.193N	141 09.195E	3389		22	16.1	20	16.4	312	0.9	2940
110601	1455	+09:00	12 39.474N	141 09.722E	3384		27	16.2	24	16.5	310	1	2941
110601	1500	+09:00	12 40.751N	141 10.275E	3472		26	16.6	23	17	305	1	2942
110601	1505	+09:00	12 42.027N	141 10.822E	3462		26	16.5	21	16.7	322	1	2944
110601	1510	+09:00	12 43.308N	141 11.370E	2890		26	16.1	22	16.8	312	1	2945
110601	1515	+09:00	12 44.570N	141 11.927E	2638		29	16.5	26	17.1	315	1	2947
110601	1520	+09:00	12 45.806N	141 12.543E	3378		29	16.6	25	16.2	299	0.9	2948
110601	1525	+09:00	12 47.027N	141 13.183E	3172		31	16.3	26	16.7	309	1	2949
110601	1530	+09:00	12 48.247N	141 13.845E	2531		31	16.3	30	16.1	310	0.8	2951
110601	1533	+09:00	12 49.087N	141 14.300E	2232		31	16.2	32	15.9	312	0.8	2952 S/B ENG'S USED ENG'S VAR'LY
110601	1533	+09:00	12 49.091N	141 14.303E	2232		31	16.2	31	15.8	306	0.7	2952 USED HELM VAR'LY
110601	1535	+09:00	12 49.426N	141 14.484E	2326		30	13.2	28	13.5	306	0.9	2952
110601	1540	+09:00	12 50.061N	141 14.798E	2584		41	3.7	16	3.9	328	1.1	2953
110601	1543	+09:00	12 50.142N	141 14.840E	2622		102	0.8	340	0.8			2953 STOPPED ENG'S
110601	1544	+09:00	12 50.160N	141 14.828E	2642		107	0.2	338	1.3			2953 CHANGED ENG'S TO E/M
110601	1545	+09:00	12 50.168N	141 14.822E	2610		110	0.2	309	0.9			2953
110601	1547	+09:00	12 50.203N	141 14.796E	2663	ST.58	80	0.2	326	1.2			2953 CTD-CMS STARTED
110601	1550	+09:00	12 50.256N	141 14.772E	2668	ST.58	78	0	335	1.6	333	12	2953
110601	1555	+09:00	12 50.365N	141 14.732E	2692	ST.58	79	0.6	347	1.4			2953
110601	1600	+09:00	12 50.455N	141 14.711E	2720	ST.58	90	0.5	332	0.6			2953
110601	1605	+09:00	12 50.531N	141 14.692E	2708	ST.58	101	0.4	357	1.7			2954
110601	1609	+09:00	12 50.589N	141 14.691E	2716	ST.58	100	0.6	287	0.1			2954 CTD-CMS DEEPEST



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT	
110601	1610	+09:00	12 50.595N	141 14.692E	2721	ST.58	100	0.6	19	1.1		2954		
110601	1615	+09:00	12 50.657N	141 14.697E	2730	ST.58	100	0.6	350	0.5		2954		
110601	1620	+09:00	12 50.714N	141 14.701E	2744	ST.58	111	0.6	338	1		2954		
110601	1625	+09:00	12 50.758N	141 14.701E	2776	ST.58	110	0.7	221	1.2		2954		
110601	1628	+09:00	12 50.786N	141 14.689E	2772	ST.58	110	0.4	355	1.1		2954	CTD-CMS FINISHED	
110601	1630	+09:00	12 50.802N	141 14.677E	2769	ST.58	110	0.2	29	1.4		2954		
110601	1635	+09:00	12 50.797N	141 14.781E	2854	ST.58	110	1.9	129	1.5		2954		
110601	1638	+09:00	12 50.793N	141 14.851E	2863	ST.58	110	1.7	75	1.8		2954	3M ORI NET STARTED	
110601	1640	+09:00	12 50.791N	141 14.887E	2868	ST.58	110	1.9	102	1.1		2954		
110601	1645	+09:00	12 50.779N	141 15.013E	2892	ST.58	110	2.5	77	1.9		2954		
110601	1650	+09:00	12 50.764N	141 15.158E	2920	ST.58	109	2.5	81	2.5		2954		
110601	1655	+09:00	12 50.723N	141 15.286E	2932	ST.58	119	2.2	95	1.5		2955		
110601	1656	+09:00	12 50.707N	141 15.324E	2896	ST.58	122	2	104	1.7		2955	3M ORI NET DEEPEST	
110601	1700	+09:00	12 50.677N	141 15.384E	2876	ST.58	120	1.9	122	1.6		2955		
110601	1705	+09:00	12 50.637N	141 15.483E	2847	ST.58	120	1.9	144	1.6		2955		
110601	1710	+09:00	12 50.599N	141 15.585E	2833	ST.58	120	1.9	125	1.3		2955		
110601	1715	+09:00	12 50.568N	141 15.677E	2838	ST.58	120	1.8	148	1.5		2955		
110601	1720	+09:00	12 50.542N	141 15.767E	2890	ST.58	120	1.8	109	1.2		2955		
110601	1725	+09:00	12 50.513N	141 15.878E	2892	ST.58	117	1.9	118	1.5		2955		
110601	1730	+09:00	12 50.494N	141 16.001E	2914	ST.58	117	1.9	130	1.5		2955		
110601	1735	+09:00	12 50.476N	141 16.124E	2974	ST.58	120	2.1	85	2		2956		
110601	1740	+09:00	12 50.443N	141 16.257E	3010	ST.58	120	1.9	93	1.9		2956		
110601	1745	+09:00	12 50.425N	141 16.375E	3074	ST.58	118	1.8	77	1.7		2956		
110601	1750	+09:00	12 50.407N	141 16.491E	3112	ST.58	122	2.2	109	1.8		2956		
110601	1750	+09:00	12 50.401N	141 16.508E	3127	ST.58	122	2.1	101	1.7		2956	3M ORI NET FINISHED	
110601	1755	+09:00	12 50.341N	141 16.677E	3191		120	4	111	3.8	340	0.7	2956	
110601	1758	+09:00	12 50.233N	141 16.878E	3216		132	4	113	3.4	331	0.9	2957	SUNSET & PUT ON REGULATION LIGHTS
110601	1800	+09:00	12 50.202N	141 16.922E	3229		134	2	143	1.5			2957	
110601	1802	+09:00	12 50.179N	141 16.956E	3246		130	2.3	116	2.1	117	2.7	2957	CHANGED ENG'S TO T/M
110601	1805	+09:00	12 50.067N	141 17.116E	3268		130	7.2	136	6.6	354	0.5	2957	
110601	1810	+09:00	12 49.592N	141 17.739E	3418		130	11.6	129	11	327	0.8	2958	
110601	1815	+09:00	12 48.901N	141 18.577E	3696		118	16.1	116	14.5	320	1	2959	
110601	1817	+09:00	12 48.872N	141 19.141E	3642		88	16.1	86	15.8	334	0.8	2959	R/UP ENG'S
110601	1819	+09:00	12 48.922N	141 19.705E	3334		87	16.5	86	16.2	323	0.9	2960	PASSED ST.SB1 & S/CO ON 087*
110601	1820	+09:00	12 48.940N	141 19.897E	3309		87	16.1	85	15.7	333	0.8	2960	
110601	1825	+09:00	12 49.057N	141 21.248E	2920		89	16.3	85	16.3	327	0.8	2961	
110601	1830	+09:00	12 49.126N	141 22.600E	2938		91	16.3	90	16.1	333	0.8	2963	
110601	1835	+09:00	12 49.157N	141 23.933E	2854		91	16.3	90	15.6	323	0.8	2964	
110601	1840	+09:00	12 49.194N	141 25.266E	2660		91	16.2	89	16	326	0.9	2965	
110601	1843	+09:00	12 49.217N	141 26.309E	3002		91	16.3	89	15.2	311	1	2966	CLERED OUT MICRONESIA EEZ & ENTERED IN U
110601	1845	+09:00	12 49.224N	141 26.599E	3115		91	16.6	87	15.8	317	1	2966	
110601	1850	+09:00	12 49.251N	141 27.950E	3179		91	16.5	88	16.4	314	0.8	2968	
110601	1855	+09:00	12 49.292N	141 29.317E	3130		91	16.8	89	16.2	306	1	2969	
110601	1900	+09:00	12 49.319N	141 30.686E	3028		90	16.3	88	16.2	297	0.9	2970	
110601	1905	+09:00	12 49.374N	141 32.052E	2986		90	16.5	89	16	312	0.8	2972	
110601	1910	+09:00	12 49.448N	141 33.428E	2899		89	16.5	87	16	328	1	2973	
110601	1915	+09:00	12 49.516N	141 34.803E	2607		88	16.5	85	16.4	329	0.6	2975	
110601	1920	+09:00	12 49.586N	141 36.183E	2519		89	16.6	86	16.5	328	0.4	2976	
110601	1925	+09:00	12 49.644N	141 37.554E	2434		88	16.8	88	16.2	318	0.8	2977	
110601	1930	+09:00	12 49.713N	141 38.923E	2455		89	16.8	88	15.7	304	0.7	2979	
110601	1935	+09:00	12 49.765N	141 40.291E	2470		88	16.9	88	16.2	296	0.6	2980	
110601	1940	+09:00	12 49.829N	141 41.652E	2571		89	16.6	87	15.6	297	0.7	2981	
110601	1945	+09:00	12 49.893N	141 43.013E	2636		89	16.6	87	16.3	311	0.5	2983	
110601	1950	+09:00	12 49.961N	141 44.391E	2593		88	16.5	88	16.8	309	0.6	2984	
110601	1955	+09:00	12 50.029N	141 45.760E	2616		88	16.5	88	16.1	317	1.3	2985	
110601	2000	+09:00	12 50.079N	141 47.137E	2654		89	16.5	88	16	329	0.7	2987	
110601	2005	+09:00	12 50.129N	141 48.512E	2337		89	16.5	90	16.3	307	0.4	2988	
110601	2010	+09:00	12 50.180N	141 49.902E	1974		89	16.2	89	16.6	343	0.3	2989	
110601	2015	+09:00	12 50.226N	141 51.290E	1504		89	16.2	87	16.6	349	0.4	2991	
110601	2020	+09:00	12 50.266N	141 52.674E	2284		89	16.6	88	16	179	0.3	2992	
110601	2025	+09:00	12 50.307N	141 54.071E	2618		89	16.8	89	16.3	337	0.1	2993	
110601	2030	+09:00	12 50.350N	141 55.456E	2425		89	16.6	88	16.1	294	0.5	2995	
110601	2035	+09:00	12 50.376N	141 56.823E	2160		89	16.6	88	15.9	259	0.1	2996	
110601	2040	+09:00	12 50.404N	141 58.182E	1967		89	16.2	89	15.8	260	0.6	2997	
110601	2045	+09:00	12 50.450N	141 59.538E	1932		89	16.3	89	16.2	279	0.6	2999	
110601	2046	+09:00	12 50.455N	141 59.991E	1996		87	16.8	89	15.5	249	1	2999	PASSED ST.SB2 & A/CO TO 042*
110601	2050	+09:00	12 51.010N	142 00.648E	2058		43	16.6	45	16.2	292	0.3	3000	
110601	2055	+09:00	12 52.039N	142 01.565E	1631		41	16.3	44	16.5	278	0.3	3001	
110601	2100	+09:00	12 53.071N	142 02.456E	1833		41	16.5	41	15.9	286	0.2	3003	
110601	2105	+09:00	12 54.111N	142 03.358E	1804		41	16.2	41	16.4	299	0.2	3004	
110601	2110	+09:00	12 55.138N	142 04.267E	1939		41	16.1	42	16.1	181	0.1	3006	
110601	2115	+09:00	12 56.177N	142 05.154E	2047		41	16.2	42	16.3	1	0.2	3007	
110601	2120	+09:00	12 57.200N	142 06.067E	2207		42	16.1	42	15.4	319	0.1	3008	
110601	2125	+09:00	12 58.191N	142 06.986E	2287		43	16.2	38	16	317	0.2	3010	
110601	2130	+09:00	12 59.207N	142 07.903E	2266		42	16.3	41	16.7	286	0.4	3011	
110601	2135	+09:00	13 00.219N	142 08.824E	2312		42	16.3	40	16.2	297	0.3	3012	
110601	2140	+09:00	13 01.241N	142 09.733E	1868		42	16.2	42	15.9	285	0.4	3014	
110601	2145	+09:00	13 02.270N	142 10.645E	1705		42	16.3	43	16.1	301	0.2	3015	
110601	2146	+09:00	13 02.489N	142 10.841E	1690		42	16.2	38	16.3	299	0.3	3015	PASSED ST.SB3 & A/CO TO 016*
110601	2150	+09:00	13 03.479N	142 11.211E	1815		17	16.5	10	16.6	281	0.3	3016	
110601	2155	+09:00	13 04.829N	142 11.572E	2315		16	16.8	14	17.1	294	0.4	3018	
110601	2200	+09:00	13 06.170N	142 11.946E	2348		17	16.6	15	16.9	330	0.3	3019	
110601	2205	+09:00	13 07.514N	142 12.323E	2449		17	16.3	14	17	322	0.3	3020	
110601	2210	+09:00	13 08.851N	142 12.687E	2406		16	16.5	18	17.3	287	0.1	3022	
110601	2215	+09:00	13 10.192N	142 13.072E	2358		18	16.5	18	16.7	328	0.4	3023	
110601	2220	+09:00	13 11.520N	142 13.487E	2367		19	16.2	18	16.6	343	0.5	3025	
110601	2225	+09:00	13 12.854N	142 13.904E	2446		18	16.6	16	16.6	319	0.4	3026	
110601	2230	+09:00	13 14.184N	142 14.322E	2544		18	16.2	16	16.3	321</			

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110601	2235	+09:00	13 15.522N	142 14.748E	2554		18	16.2	16	17.8	358	0.5	3029
110601	2240	+09:00	13 16.865N	142 15.184E	2583		18	16.2	18	16.8	5	0.5	3030
110601	2245	+09:00	13 18.221N	142 15.607E	2665		18	16.5	17	16.9	355	0.7	3032
110601	2250	+09:00	13 19.566N	142 16.029E	2780		18	16.3	17	16.4	345	0.4	3033
110601	2255	+09:00	13 20.914N	142 16.434E	2896		16	16.6	18	17	350	0.4	3034
110601	2300	+09:00	13 22.270N	142 16.820E	2983		16	16.2	14	16.2	42	0.4	3036
110601	2305	+09:00	13 23.615N	142 17.207E	3030		16	16.5	16	16.8	34	0.4	3037
110601	2306	+09:00	13 24.054N	142 17.336E	3060		16	16.5	18	16.7	28	0.4	3038 PASSED ST.SB4 & A/CO TO 355°
110601	2310	+09:00	13 24.987N	142 17.346E	3056		355	16.3	354	16.4	13	0.7	3039
110601	2315	+09:00	13 26.398N	142 17.234E	3028		355	16.6	355	17.1	45	0.4	3040
110601	2320	+09:00	13 27.797N	142 17.122E	3105		355	16.5	356	16.8	8	0.4	3042
110601	2325	+09:00	13 29.196N	142 17.011E	3148		355	16.3	356	16.8	24	0.3	3043
110601	2330	+09:00	13 30.590N	142 16.909E	3189		354	16.6	353	16.1	124	0.2	3044
110601	2335	+09:00	13 31.966N	142 16.805E	3180		355	16.5	357	16.1	47	0.3	3046
110601	2340	+09:00	13 33.352N	142 16.711E	3352		355	16.6	355	16.4	24	0.7	3047
110601	2345	+09:00	13 34.728N	142 16.622E	3362		354	16.2	357	16.1	55	0.6	3048
110601	2350	+09:00	13 36.116N	142 16.516E	3246		354	16.3	358	16.3	50	0.5	3050
110601	2355	+09:00	13 37.520N	142 16.403E	3185		353	16.6	356	17.3	76	0.2	3051
110602	0	+09:00	13 38.936N	142 16.285E	3226		354	16.3	358	16.8	38	0.8	3053
110602	5	+09:00	13 40.357N	142 16.167E	3223		354	16.6	355	16.6	19	1	3054
110602	10	+09:00	13 41.761N	142 16.000E	3209		352	16.5	352	16.6	18	0.6	3055
110602	15	+09:00	13 43.165N	142 15.840E	3150		353	16.8	354	16.9	10	0.7	3057
110602	20	+09:00	13 44.573N	142 15.706E	3131		354	16.6	359	16.8	39	0.8	3058
110602	25	+09:00	13 45.961N	142 15.578E	3088		354	16.5	357	16.6	26	0.6	3060
110602	30	+09:00	13 47.366N	142 15.444E	3202		354	16.5	352	16.9	12	0.5	3061
110602	35	+09:00	13 48.768N	142 15.318E	3312		355	16.6	358	17	5	0.4	3063
110602	40	+09:00	13 50.164N	142 15.192E	3263		354	16.5	354	16.5	34	0.3	3064
110602	45	+09:00	13 51.560N	142 15.060E	3549		355	16.3	355	16.8	358	0.4	3065
110602	50	+09:00	13 52.955N	142 14.929E	3592		354	16.8	354	16.8	317	0.2	3067
110602	55	+09:00	13 54.339N	142 14.797E	3740		355	16.8	355	16.8	333	0.2	3068
110602	100	+09:00	13 55.719N	142 14.665E	3767		354	16.6	355	16.1	352	0.2	3069
110602	105	+09:00	13 57.101N	142 14.531E	3800		356	16.5	355	16.4	344	0.3	3071
110602	110	+09:00	13 58.491N	142 14.399E	3668		355	16.6	352	16.7	327	0.4	3072
110602	115	+09:00	13 59.876N	142 14.253E	3659		355	16.3	351	16.6	321	0.4	3074
110602	120	+09:00	14 01.265N	142 14.098E	3578		355	16.6	356	16.4	308	0.5	3075
110602	125	+09:00	14 02.638N	142 13.943E	3529		356	16.2	355	16.9	295	0.6	3076
110602	130	+09:00	14 04.027N	142 13.780E	3728		355	16.3	354	16.9	291	0.5	3078
110602	135	+09:00	14 05.416N	142 13.620E	3813		356	16.8	353	16.6	294	0.5	3079
110602	140	+09:00	14 06.791N	142 13.490E	3945		357	16.3	356	17.2	298	0.5	3081
110602	145	+09:00	14 08.173N	142 13.364E	3978		356	16.3	354	16.6	306	0.6	3082
110602	150	+09:00	14 09.533N	142 13.244E	4094		356	16.6	351	16	239	0.4	3083
110602	155	+09:00	14 10.902N	142 13.129E	4144		356	16.5	356	16.1	270	0.5	3085
110602	200	+09:00	14 12.272N	142 13.017E	4170		357	16.3	357	16.6	314	0.4	3086
110602	205	+09:00	14 13.644N	142 12.907E	4179		356	16.6	355	16.5	323	0.1	3087
110602	210	+09:00	14 15.015N	142 12.803E	4194		356	16.5	354	16.1	196	0.1	3089
110602	215	+09:00	14 16.389N	142 12.692E	4193		356	16.3	358	16.6	327	0.1	3090
110602	220	+09:00	14 17.758N	142 12.578E	4124		356	16.3	355	16.6	337	0.2	3092
110602	225	+09:00	14 19.128N	142 12.454E	4092		356	16.3	354	16.6	279	0.2	3093
110602	230	+09:00	14 20.493N	142 12.322E	4098		355	16.2	352	16.8	252	0.2	3094
110602	235	+09:00	14 21.868N	142 12.203E	4113		354	16.6	354	16.6	252	0.1	3096
110602	240	+09:00	14 23.251N	142 12.079E	4146		356	16.5	355	17	336	0.4	3097
110602	245	+09:00	14 24.635N	142 11.952E	4150		355	16.5	348	17.6	301	0.4	3098
110602	250	+09:00	14 26.021N	142 11.825E	4136		356	16.8	355	16.7	314	0.4	3100
110602	255	+09:00	14 27.414N	142 11.707E	4100		356	16.3	353	16.9	338	0.4	3101
110602	300	+09:00	14 28.808N	142 11.591E	4113		356	16.9	356	16.7	319	0.4	3103
110602	305	+09:00	14 30.192N	142 11.475E	4124		356	16.3	355	16.1	306	0.2	3104
110602	310	+09:00	14 31.566N	142 11.356E	4186		357	16.2	355	16.3	307	0.5	3105
110602	315	+09:00	14 32.940N	142 11.227E	4190		356	16.5	356	16.3	298	0.4	3107
110602	320	+09:00	14 34.328N	142 11.105E	4168		356	16.6	352	17.3	322	0.7	3108
110602	325	+09:00	14 35.712N	142 10.976E	4166		356	16.2	355	16.3	310	0.7	3109
110602	330	+09:00	14 37.111N	142 10.844E	4207		357	16.3	355	17.1	309	0.7	3111
110602	335	+09:00	14 38.526N	142 10.726E	4234		358	16.5	357	16.9	322	0.7	3112
110602	340	+09:00	14 39.927N	142 10.612E	4271		356	16.5	354	17.2	323	0.5	3113
110602	345	+09:00	14 41.332N	142 10.493E	4285		357	16.5	354	16.3	300	0.5	3115
110602	350	+09:00	14 42.731N	142 10.376E	4308		357	16.2	356	17.1	333	0.7	3116
110602	355	+09:00	14 44.135N	142 10.256E	4370		356	16.5	356	16.8	323	0.4	3118
110602	400	+09:00	14 45.516N	142 10.131E	4390		356	16.2	354	16.4	312	0.5	3119
110602	405	+09:00	14 46.912N	142 10.006E	4393		357	16.3	358	17	307	0.5	3121
110602	410	+09:00	14 48.313N	142 09.891E	4398		356	16.3	354	16.6	326	0.6	3122
110602	415	+09:00	14 49.718N	142 09.768E	4437		356	16.3	355	17	315	0.6	3123
110602	420	+09:00	14 51.102N	142 09.661E	4447		356	16.5	358	16.5	344	0.5	3125
110602	425	+09:00	14 52.497N	142 09.550E	4454		356	16.5	354	17.3	8	0.3	3126
110602	430	+09:00	14 53.886N	142 09.432E	4435		356	16.6	356	16.9	337	0.7	3128
110602	435	+09:00	14 55.284N	142 09.302E	4438		355	16.3	354	16.3	335	0.5	3129
110602	440	+09:00	14 56.684N	142 09.181E	4440		355	16.8	356	17.3	334	0.2	3130
110602	445	+09:00	14 58.052N	142 09.064E	4462		356	16.3	355	16.4	272	0.2	3132
110602	450	+09:00	14 59.424N	142 08.949E	4472		355	16.3	353	16.7	327	0.1	3133
110602	455	+09:00	15 00.790N	142 08.825E	4470		356	16.6	353	16.5	216	0.1	3134
110602	500	+09:00	15 02.162N	142 08.720E	4440		356	16.6	355	16.6	72	0.1	3136
110602	500	+09:00	15 02.249N	142 08.714E	4441		356	16.5	352	17	84	0.1	3136 SUNRISE & TURNED OFF REGULATION LIGHTS
110602	505	+09:00	15 03.532N	142 08.597E	4424		356	16.5	354	16.5	268	0.1	3137
110602	510	+09:00	15 04.909N	142 08.467E	4438		356	16.1	354	16.7	296	0.2	3139
110602	515	+09:00	15 06.285N	142 08.342E	4425		356	16.8	357	16.8	244	0.2	3140
110602	520	+09:00	15 07.653N	142 08.219E	4427		356	16.2	355	16.7	283	0.1	3141
110602	525	+09:00	15 09.023N	142 08.105E	4418		357	16.6	356	16.8	253	0.2	3143
110602	530	+09:00	15 10.380N	142 07.985E	4398		356	16.3	354	15.8	246	0.2	3144
110602	535	+09:00	15 11.743N	142 07.871E	4396		356	16.6	356	16.5	267	0.3	3145
110602	540	+09:00	15 13.111N	142 07.761E	4395		356	16.2	354	16.7	13	0.1	3147

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110602	545	+09:00	15 14.474N	142 07.640E	4364		356	16.5	356	16.6	317	0.2	3148
110602	550	+09:00	15 15.841N	142 07.524E	4331		356	16.3	352	16.5	332	0	3149
110602	555	+09:00	15 17.208N	142 07.417E	4327		355	16.6	356	16.6	148	0.1	3151
110602	600	+09:00	15 18.572N	142 07.302E	4340		355	16.6	357	16.5	42	0.2	3152
110602	605	+09:00	15 19.935N	142 07.199E	4333		355	16.3	357	16.2	88	0.2	3154
110602	610	+09:00	15 21.301N	142 07.097E	4360		355	16.6	356	16.3	125	0.3	3155
110602	615	+09:00	15 22.649N	142 06.992E	4336		354	16.2	354	16.4	106	0.2	3156
110602	620	+09:00	15 24.011N	142 06.887E	4308		355	16.5	356	16.3	88	0.3	3158
110602	625	+09:00	15 25.372N	142 06.792E	4292		354	16.6	356	17	118	0.4	3159
110602	630	+09:00	15 26.741N	142 06.698E	4147		355	16.9	357	16.8	112	0.4	3160
110602	631	+09:00	15 27.264N	142 06.663E	4074		354	16.5	356	16.4	109	0.5	3161
110602	635	+09:00	15 28.091N	142 06.611E	3802		355	16.1	357	15.4	93	0.4	3162
110602	640	+09:00	15 29.448N	142 06.522E	3373		355	16.6	358	16.1	91	0.4	3163
110602	645	+09:00	15 30.808N	142 06.438E	2668		356	16.2	358	16.5	104	0.3	3164
110602	650	+09:00	15 32.157N	142 06.344E	3251		354	16.5	357	16.4	89	0.3	3166
110602	655	+09:00	15 33.506N	142 06.240E	4292		354	16.8	356	16.3	118	0.5	3167
110602	700	+09:00	15 34.863N	142 06.128E	4352		354	16.5	356	16.9	101	0.5	3168
110602	705	+09:00	15 36.215N	142 06.022E	4380		354	16.5	354	16.8	95	0.5	3170
110602	710	+09:00	15 37.574N	142 05.903E	4424		354	16.5	354	16.7	96	0.5	3171
110602	715	+09:00	15 38.946N	142 05.785E	4417		354	16.5	356	16.7	61	0.5	3172
110602	720	+09:00	15 40.321N	142 05.670E	4418		353	16.2	356	16.5	65	0.7	3174
110602	725	+09:00	15 41.691N	142 05.553E	4398		353	16.3	356	16.7	67	0.7	3175
110602	730	+09:00	15 43.065N	142 05.443E	4404		352	16.1	356	16.6	91	0.7	3177
110602	735	+09:00	15 44.443N	142 05.338E	4412		353	16.2	354	16.4	68	0.9	3178
110602	740	+09:00	15 45.804N	142 05.234E	4394		352	16.3	356	15.6	79	1	3179
110602	745	+09:00	15 47.177N	142 05.119E	4378		353	16.3	359	15.9	61	1	3181
110602	750	+09:00	15 48.543N	142 05.005E	4375		352	16.5	358	16.5	85	0.9	3182
110602	755	+09:00	15 49.878N	142 04.881E	4375		352	16.1	356	15.8	66	0.8	3183
110602	800	+09:00	15 51.227N	142 04.751E	4376		352	16.3	351	16.1	93	0.6	3185
110602	805	+09:00	15 52.575N	142 04.623E	4374		353	16.3	355	17.2	104	0.6	3186
110602	810	+09:00	15 53.910N	142 04.500E	4358		353	16.5	356	15.5	97	0.6	3188
110602	815	+09:00	15 55.233N	142 04.372E	4390		353	16.3	356	16	116	0.5	3189
110602	820	+09:00	15 56.564N	142 04.258E	4391		354	16.5	355	16.5	120	0.5	3190
110602	825	+09:00	15 57.902N	142 04.133E	4387		353	16.5	355	15.8	125	0.5	3192
110602	830	+09:00	15 59.242N	142 04.004E	4396		354	16.2	354	16.3	133	0.3	3193
110602	835	+09:00	16 00.577N	142 03.877E	4359		353	16.5	355	15.4	120	0.2	3194
110602	840	+09:00	16 01.918N	142 03.746E	4356		355	15.9	357	16.1	173	0.3	3196
110602	845	+09:00	16 03.255N	142 03.615E	4340		355	16.2	357	15.9	223	0.2	3197
110602	850	+09:00	16 04.594N	142 03.490E	4330		355	16.3	354	16.2	150	0.2	3198
110602	855	+09:00	16 05.932N	142 03.368E	4337		355	16.5	355	16.7	280	0.1	3200
110602	900	+09:00	16 07.279N	142 03.224E	4318		355	16.2	353	15.8	231	0.2	3201
110602	905	+09:00	16 08.639N	142 03.073E	4347		354	16.2	354	17.1	260	0.3	3202
110602	910	+09:00	16 09.996N	142 02.921E	4318		355	16.5	355	16.5	294	0.5	3204
110602	915	+09:00	16 11.355N	142 02.752E	4311		355	16.5	353	16.2	261	0.5	3205
110602	920	+09:00	16 12.713N	142 02.584E	4309		355	16.3	351	16.3	270	0.5	3207
110602	925	+09:00	16 14.073N	142 02.426E	4296		357	16.5	356	16.4	271	0.7	3208
110602	930	+09:00	16 15.442N	142 02.288E	4312		357	16.5	355	16.6	283	0.6	3209
110602	935	+09:00	16 16.814N	142 02.162E	4305		357	16.6	355	16.5	262	0.7	3211
110602	940	+09:00	16 18.172N	142 02.043E	4348		358	16.3	355	16.4	264	0.5	3212
110602	945	+09:00	16 19.541N	142 01.934E	4325		357	16.6	355	16.5	282	0.5	3213
110602	950	+09:00	16 20.905N	142 01.812E	0		357	16.2	355	16.4	238	0.5	3215
110602	955	+09:00	16 22.252N	142 01.706E	0		357	16.5	357	15.8	257	0.4	3216
110602	1000	+09:00	16 23.605N	142 01.588E	0		357	16.2	356	16.3	247	0.5	3217
110602	1005	+09:00	16 24.951N	142 01.477E	0		356	16.3	355	15.8	241	0.3	3219
110602	1010	+09:00	16 26.310N	142 01.376E	0		355	16.2	355	15.9	314	0.2	3220
110602	1015	+09:00	16 27.660N	142 01.261E	0		357	16.1	357	15.4	206	0.3	3222
110602	1020	+09:00	16 29.011N	142 01.149E	0		355	16.6	356	17	186	0.1	3223
110602	1025	+09:00	16 30.376N	142 01.026E	4332		356	16.3	355	16.8	261	0.2	3224
110602	1030	+09:00	16 31.726N	142 00.899E	4374		356	16.5	355	15.8	216	0.3	3226
110602	1035	+09:00	16 33.073N	142 00.770E	4377		356	16.5	354	16.5	234	0.5	3227
110602	1040	+09:00	16 34.411N	142 00.648E	4405		356	16.3	355	16.1	235	0.5	3228
110602	1045	+09:00	16 35.749N	142 00.525E	0		356	16.3	354	15.5	221	0.6	3230
110602	1050	+09:00	16 37.086N	142 00.397E	4401		358	16.5	356	16.1	240	0.7	3231
110602	1055	+09:00	16 38.438N	142 00.272E	4409		358	16.5	357	16.3	247	0.8	3232
110602	1100	+09:00	16 39.764N	142 00.140E	4424		358	16.3	356	15.7	236	1	3234
110602	1105	+09:00	16 41.066N	142 00.027E	4423		357	16.9	356	15.8	237	0.7	3235
110602	1110	+09:00	16 42.363N	141 59.926E	4422		358	16.2	358	15.7	203	1.1	3236
110602	1115	+09:00	16 43.656N	141 59.820E	4425		357	16.6	356	15.5	200	1.2	3238
110602	1120	+09:00	16 44.946N	141 59.706E	4432		357	16.3	353	15.6	209	1.1	3239
110602	1125	+09:00	16 46.238N	141 59.589E	4440		358	16.5	358	15	214	0.9	3240
110602	1130	+09:00	16 47.529N	141 59.482E	4445		358	16.1	354	15.4	206	0.9	3242
110602	1135	+09:00	16 48.822N	141 59.385E	4453		357	16.8	354	15.4	191	0.9	3243
110602	1140	+09:00	16 50.098N	141 59.289E	4455		356	16.3	0	15.8	187	0.9	3244
110602	1145	+09:00	16 51.387N	141 59.182E	4449		356	16.8	355	16.1	187	0.8	3245
110602	1150	+09:00	16 52.673N	141 59.070E	4458		356	16.3	357	15.8	188	0.9	3247
110602	1155	+09:00	16 53.971N	141 58.956E	4461		355	16.5	356	15.6	193	0.9	3248
110602	1200	+09:00	16 55.270N	141 58.847E	4469		356	16.5	355	15.7	188	0.6	3249
110602	1205	+09:00	16 56.567N	141 58.740E	4479		355	16.1	353	15.7	186	0.9	3251
110602	1210	+09:00	16 57.870N	141 58.630E	4457		355	16.3	353	15.8	175	0.7	3252
110602	1215	+09:00	16 59.177N	141 58.518E	4465		356	16.5	355	15.5	180	0.6	3253
110602	1220	+09:00	17 00.493N	141 58.398E	4482		355	16.2	354	16	169	0.5	3254
110602	1225	+09:00	17 01.819N	141 58.290E	4513		356	16.2	358	15.5	165	0.3	3256
110602	1230	+09:00	17 03.155N	141 58.186E	4520		355	16.5	354	15.8	145	0.6	3257
110602	1235	+09:00	17 04.495N	141 58.077E	4513		355	16.5	355	16	139	0.3	3258
110602	1240	+09:00	17 05.822N	141 57.972E	4521		356	16.2	355	15.9	145	0.4	3260
110602	1245	+09:00	17 07.156N	141 57.873E	4521		355	16.3	355	15.9	144	0.4	3261
110602	1250	+09:00	17 08.504N	141 57.767E	4500		355	16.5	356	16.7	83	0.3	3263
110602	1255	+09:00	17 09.857N	141 57.672E	4534		354	16.3	358	16.4	110	0.3	3264

CLEARED OUT EEZ OF U.S.

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110602	1300	+09:00	17 11.214N	141 57.575E	4531		354	16.6	356	16.4	82	0.4	3265
110602	1305	+09:00	17 12.578N	141 57.470E	4537		354	16.3	355	16.6	102	0.3	3267
110602	1310	+09:00	17 13.941N	141 57.373E	4547		355	16.2	356	16.1	76	0.5	3268
110602	1315	+09:00	17 15.311N	141 57.281E	4567		355	16.6	356	16.5	58	0.5	3269
110602	1320	+09:00	17 16.692N	141 57.186E	6		354	16.3	357	16.6	69	0.4	3271
110602	1325	+09:00	17 18.078N	141 57.088E	4575		355	16.5	354	16.7	65	0.5	3272
110602	1330	+09:00	17 19.467N	141 56.992E	4565		354	16.5	356	16.8	67	0.6	3273
110602	1335	+09:00	17 20.860N	141 56.883E	4550		354	16.2	356	16.6	30	0.8	3275
110602	1340	+09:00	17 22.252N	141 56.763E	4532		354	16.5	356	17.1	45	0.6	3276
110602	1345	+09:00	17 23.646N	141 56.640E	4523		354	16.6	356	16.4	43	0.5	3278
110602	1350	+09:00	17 25.043N	141 56.516E	4519		354	16.5	352	17.3	36	0.7	3279
110602	1355	+09:00	17 26.448N	141 56.390E	4509		354	16.5	355	17.5	29	0.7	3280
110602	1400	+09:00	17 27.859N	141 56.259E	4512		354	16.9	360	17.1	26	0.8	3282
110602	1405	+09:00	17 29.275N	141 56.136E	4524		354	16.5	354	17.5	21	0.8	3283
110602	1410	+09:00	17 30.689N	141 56.013E	4530		355	16.5	358	16.5	27	0.6	3285
110602	1415	+09:00	17 32.098N	141 55.890E	4531		354	16.1	355	16.5	34	0.6	3286
110602	1420	+09:00	17 33.509N	141 55.764E	4546		354	16.5	355	17.1	21	0.5	3288
110602	1425	+09:00	17 34.921N	141 55.627E	4559		354	16.5	356	17	3	0.6	3289
110602	1430	+09:00	17 36.330N	141 55.499E	4559		354	15.9	356	17.4	5	0.5	3290
110602	1435	+09:00	17 37.747N	141 55.371E	4547		355	16.1	355	17.2	2	0.7	3292
110602	1440	+09:00	17 39.161N	141 55.244E	4526		355	16.3	355	17	13	0.4	3293
110602	1445	+09:00	17 40.557N	141 55.122E	4529		355	16.6	355	16.9	15	0.2	3295
110602	1450	+09:00	17 41.938N	141 54.994E	4529		355	16.3	353	16.9	147	0.2	3296
110602	1455	+09:00	17 43.307N	141 54.865E	4531		354	16.5	354	16.5	347	0.2	3297
110602	1500	+09:00	17 44.692N	141 54.733E	4525		354	16.3	354	16.1	14	0.2	3299
110602	1505	+09:00	17 46.075N	141 54.606E	4528		354	16.6	353	16.8	50	0.1	3300
110602	1510	+09:00	17 47.443N	141 54.493E	4530		355	16.6	356	16.5	60	0.3	3302
110602	1515	+09:00	17 48.825N	141 54.387E	4525		354	16.5	355	16.3	70	0.4	3303
110602	1520	+09:00	17 50.189N	141 54.271E	4551		354	16.5	355	16.1	70	0.1	3304
110602	1525	+09:00	17 51.545N	141 54.149E	4544		354	16.3	354	15.8	73	0.2	3306
110602	1530	+09:00	17 52.911N	141 54.034E	4543		354	16.6	356	16.5	120	0.2	3307
110602	1535	+09:00	17 54.269N	141 53.911E	4547		355	16.5	356	15.8	165	0.5	3308
110602	1540	+09:00	17 55.602N	141 53.793E	4558		355	16.5	354	15.8	167	0.5	3310
110602	1545	+09:00	17 56.934N	141 53.671E	4591		355	16.5	355	16.1	162	0.5	3311
110602	1550	+09:00	17 58.264N	141 53.560E	4557		355	16.5	354	16.4	150	0.7	3312
110602	1555	+09:00	17 59.596N	141 53.434E	4556		356	16.3	359	15.4	186	0.6	3314
110602	1600	+09:00	18 00.922N	141 53.299E	4555		355	16.5	355	15.7	206	0.3	3315
110602	1605	+09:00	18 02.251N	141 53.167E	4539		355	16.5	352	16.4	178	0.2	3316
110602	1610	+09:00	18 03.594N	141 53.026E	4524		354	16.5	353	16.4	183	0.5	3318
110602	1615	+09:00	18 04.937N	141 52.880E	4530		354	16.8	352	16.5	199	0.4	3319
110602	1620	+09:00	18 06.282N	141 52.724E	4517		355	16.8	354	16.6	227	0.4	3320
110602	1625	+09:00	18 07.624N	141 52.563E	4512		356	16.5	355	16	232	0.6	3322
110602	1630	+09:00	18 08.966N	141 52.393E	4494		355	16.8	355	16.2	246	0.6	3323
110602	1635	+09:00	18 10.317N	141 52.211E	4465		354	16.5	352	16.2	255	0.8	3325
110602	1640	+09:00	18 11.667N	141 52.011E	4471		355	16.3	352	15.9	245	1	3326
110602	1645	+09:00	18 13.020N	141 51.813E	4480		355	17.1	352	16.3	244	0.8	3327
110602	1650	+09:00	18 14.362N	141 51.623E	4483		355	16.6	354	16.3	258	0.9	3329
110602	1655	+09:00	18 15.708N	141 51.428E	4474		355	16.9	354	15.9	242	1	3330
110602	1700	+09:00	18 17.045N	141 51.223E	4453		355	16.5	353	16.1	232	1.1	3331
110602	1705	+09:00	18 18.378N	141 51.022E	4401		355	16.2	352	16.7	248	0.8	3333
110602	1710	+09:00	18 19.716N	141 50.862E	4415		358	16.5	358	16.8	237	0.8	3334
110602	1715	+09:00	18 21.052N	141 50.743E	4403		358	16.5	353	16.6	241	0.8	3335
110602	1720	+09:00	18 22.389N	141 50.707E	4380		3	16.8	0	17.6	231	0.8	3337
110602	1725	+09:00	18 23.712N	141 50.731E	4393		2	16.5	2	16.5	216	0.7	3338
110602	1730	+09:00	18 25.039N	141 50.750E	4393		3	16.3	1	15.7	235	0.7	3339
110602	1735	+09:00	18 26.374N	141 50.770E	4395		3	16.1	4	16.3	235	0.7	3341
110602	1740	+09:00	18 27.693N	141 50.792E	4424		2	16.5	359	16	219	0.9	3342
110602	1745	+09:00	18 29.016N	141 50.626E	4470		355	16.5	354	15.5	249	0.7	3343
110602	1750	+09:00	18 30.367N	141 50.476E	4480		356	16.5	355	15.7	243	0.6	3345
110602	1755	+09:00	18 31.717N	141 50.340E	4469		357	16.8	356	16.5	247	0.7	3346
110602	1800	+09:00	18 33.063N	141 50.216E	4463		357	16.6	355	15.7	237	0.6	3347
110602	1804	+09:00	18 34.174N	141 50.118E	4477		357	16.8	358	16.2	240	0.5	3348
110602	1805	+09:00	18 34.399N	141 50.099E	4476		356	16.6	355	16.5	263	0.5	3349
110602	1810	+09:00	18 35.747N	141 49.983E	4479		357	16.1	354	16	241	0.5	3350
110602	1815	+09:00	18 37.095N	141 49.864E	4490		357	16.8	358	16.8	263	0.6	3351
110602	1820	+09:00	18 38.440N	141 49.747E	4496		357	16.3	356	15.4	232	0.5	3353
110602	1825	+09:00	18 39.779N	141 49.635E	4483		357	16.3	355	16.1	217	0.5	3354
110602	1830	+09:00	18 41.129N	141 49.530E	4493		356	16.3	355	16.1	193	0.6	3355
110602	1835	+09:00	18 42.481N	141 49.424E	4474		356	16.5	354	17.1	207	0.4	3357
110602	1840	+09:00	18 43.845N	141 49.304E	4430		356	16.6	356	16.3	209	0.3	3358
110602	1845	+09:00	18 45.202N	141 49.185E	4406		356	16.5	355	16.9	254	0.4	3360
110602	1850	+09:00	18 46.572N	141 49.064E	4401		355	16.6	355	16.2	247	0.2	3361
110602	1855	+09:00	18 47.943N	141 48.944E	4386		357	16.6	358	16.8	340	0.2	3362
110602	1900	+09:00	18 49.317N	141 48.836E	4380		355	16.5	355	16.1	68	0.3	3364
110602	1905	+09:00	18 50.670N	141 48.734E	4409		355	16.6	355	16.7	115	0.4	3365
110602	1910	+09:00	18 52.025N	141 48.627E	4357		355	16.8	355	16.3	92	0.3	3366
110602	1915	+09:00	18 53.394N	141 48.525E	4387		355	16.5	357	16	71	0.4	3368
110602	1916	+09:00	18 53.914N	141 48.487E	4366		355	16.8	356	17	43	0.4	3368 ENTERED IN EEZ OF U.S.
110602	1920	+09:00	18 54.776N	141 48.415E	4375		355	16.6	354	17.4	33	0.3	3369
110602	1925	+09:00	18 56.166N	141 48.304E	4396		355	16.6	356	17.3	21	0.4	3370
110602	1930	+09:00	18 57.555N	141 48.191E	4406		355	16.3	355	17	20	0.3	3372
110602	1935	+09:00	18 58.950N	141 48.076E	4383		355	16.3	355	16.3	33	0.3	3373
110602	1940	+09:00	19 00.337N	141 47.989E	4373		355	16.6	355	15.9	81	0.5	3374
110602	1945	+09:00	19 01.738N	141 47.909E	4358		355	16.3	355	16.1	67	0.7	3376
110602	1950	+09:00	19 03.130N	141 47.830E	4366		355	16.3	356	16.5	46	0.6	3377
110602	1955	+09:00	19 04.529N	141 47.740E	4371		354	16.6	358	17.1	37	0.7	3379
110602	2000	+09:00	19 05.942N	141 47.619E	4358		354	16.5	355	16.2	7	1.1	3380
110602	2005	+09:00	19 07.327N	141 47.501E	4404		353	16.3	355	16.9	35	0.6	3381

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110602	2010	+09:00	19 08.727N	141 47.378E	4413		353	16.2	354	16.8	35	0.7	3383
110602	2015	+09:00	19 10.136N	141 47.262E	4386		353	15.8	356	17.7	42	0.9	3384
110602	2020	+09:00	19 11.532N	141 47.144E	4379		353	16.3	355	16.3	65	0.6	3386
110602	2025	+09:00	19 12.932N	141 47.020E	4372		353	16.5	356	17	65	0.8	3387
110602	2030	+09:00	19 14.341N	141 46.896E	4356		352	16.3	357	16.5	34	0.7	3388
110602	2035	+09:00	19 15.728N	141 46.762E	4343		353	16.5	356	16.8	32	0.7	3390
110602	2040	+09:00	19 17.123N	141 46.642E	4344		354	16.3	359	16.9	51	0.7	3391
110602	2045	+09:00	19 18.516N	141 46.510E	4359		354	16.3	357	16.6	45	0.5	3392
110602	2050	+09:00	19 19.889N	141 46.391E	4365		354	16.3	358	17.6	56	0.6	3394
110602	2055	+09:00	19 21.270N	141 46.279E	4410		353	16.6	355	17.8	65	0.8	3395
110602	2100	+09:00	19 22.650N	141 46.157E	4402		352	16.3	352	16.6	82	0.7	3397
110602	2105	+09:00	19 24.016N	141 46.031E	4417		353	16.5	353	16.2	76	0.5	3398
110602	2110	+09:00	19 25.384N	141 45.897E	4419		354	16.8	353	16.7	61	0.5	3399
110602	2115	+09:00	19 26.754N	141 45.761E	4392		354	16.3	354	16.2	48	0.3	3401
110602	2120	+09:00	19 28.118N	141 45.639E	4383		354	16.3	355	16.4	97	0.2	3402
110602	2125	+09:00	19 29.466N	141 45.521E	4354		354	16.3	355	15.9	105	0.2	3403
110602	2130	+09:00	19 30.817N	141 45.396E	4343		354	16.3	354	16.2	82	0.2	3405
110602	2135	+09:00	19 32.173N	141 45.274E	4332		354	16.5	353	16	123	0.4	3406
110602	2140	+09:00	19 33.521N	141 45.151E	4326		354	16.2	357	16.1	115	0.2	3408
110602	2145	+09:00	19 34.877N	141 45.035E	4307		354	16.5	355	16.8	46	0.3	3409
110602	2150	+09:00	19 36.241N	141 44.931E	4324		354	16.3	356	16.9	82	0.6	3410
110602	2155	+09:00	19 37.604N	141 44.817E	4349		353	16.2	355	16.8	84	0.5	3412
110602	2200	+09:00	19 38.968N	141 44.697E	4358		354	16.3	357	16.1	85	0.6	3413
110602	2205	+09:00	19 40.331N	141 44.584E	4350		354	16.3	356	16.8	79	0.5	3414
110602	2210	+09:00	19 41.707N	141 44.462E	4323		353	16.5	356	17.4	73	0.6	3416
110602	2215	+09:00	19 43.069N	141 44.354E	4315		353	16.2	356	15.9	76	0.9	3417
110602	2220	+09:00	19 44.451N	141 44.235E	4302		353	16.5	356	17.1	43	0.9	3419
110602	2225	+09:00	19 45.821N	141 44.113E	4315		352	16.1	355	15.6	58	0.7	3420
110602	2230	+09:00	19 47.203N	141 43.981E	4319		353	16.2	354	16.7	45	0.8	3421
110602	2235	+09:00	19 48.573N	141 43.855E	4321		353	16.6	355	16.4	37	0.8	3423
110602	2240	+09:00	19 49.941N	141 43.730E	4334		353	16.5	354	15.6	71	0.7	3424
110602	2245	+09:00	19 51.309N	141 43.609E	4340		353	16.5	354	17.2	53	0.7	3425
110602	2250	+09:00	19 52.683N	141 43.481E	4351		354	16.5	359	16.7	77	0.5	3427
110602	2255	+09:00	19 54.037N	141 43.353E	4349		352	16.2	356	16.8	102	0.4	3428
110602	2300	+09:00	19 55.402N	141 43.217E	4320		354	16.1	356	16.8	34	0.4	3430
110602	2305	+09:00	19 56.786N	141 43.077E	4328		354	16.6	356	16.8	27	0.3	3431
110602	2310	+09:00	19 58.163N	141 42.948E	4343		355	16.3	356	16.1	24	0.6	3432
110602	2315	+09:00	19 59.543N	141 42.825E	5		354	16.3	355	17.6	19	0.3	3434
110602	2320	+09:00	20 00.921N	141 42.709E	4400		354	16.6	354	16.6	69	0.3	3435
110602	2325	+09:00	20 02.284N	141 42.588E	4426		354	16.2	354	16.5	35	0.2	3436
110602	2330	+09:00	20 03.637N	141 42.457E	4454		355	16.2	355	16.2	186	0.3	3438
110602	2335	+09:00	20 04.974N	141 42.328E	4449		355	16.5	358	16.4	119	0.1	3439
110602	2340	+09:00	20 06.309N	141 42.209E	4451		354	16.5	358	15.9	150	0.3	3441
110602	2345	+09:00	20 07.646N	141 42.070E	4450		355	16.5	354	16.3	234	0.2	3442
110602	2350	+09:00	20 08.985N	141 41.917E	4449		354	16.3	352	16.9	214	0.4	3443
110602	2355	+09:00	20 10.315N	141 41.780E	4440		354	16.5	354	16	175	0.2	3445
110603	0	+09:00	20 11.641N	141 41.642E	4448		355	16.5	352	16.1	196	0.3	3446
110603	5	+09:00	20 12.972N	141 41.495E	4432		354	16.5	353	15.2	202	0.4	3447
110603	10	+09:00	20 14.288N	141 41.345E	4414		354	16.2	355	16.2	200	0.4	3449
110603	15	+09:00	20 15.618N	141 41.198E	4356		355	16.3	355	16.4	218	0.3	3450
110603	20	+09:00	20 16.958N	141 41.059E	4340		355	16.2	356	15.4	223	0.2	3451
110603	25	+09:00	20 18.305N	141 40.921E	4399		355	16.2	351	16.7	193	0.3	3453
110603	30	+09:00	20 19.649N	141 40.791E	4389		356	16.2	357	15.5	171	0.4	3454
110603	35	+09:00	20 20.991N	141 40.671E	4321		356	16.6	353	16.5	207	0.1	3455
110603	40	+09:00	20 22.341N	141 40.557E	4338		355	16.8	354	16.8	175	0.1	3457
110603	45	+09:00	20 23.699N	141 40.435E	4339		355	15.9	356	16.2	186	0.1	3458
110603	50	+09:00	20 25.058N	141 40.321E	4333		355	16.2	354	16.8	19	0.3	3459
110603	55	+09:00	20 26.437N	141 40.212E	4319		354	16.6	356	16.4	58	0.3	3461
110603	100	+09:00	20 27.807N	141 40.094E	4289		356	16.5	356	16	357	0.1	3462
110603	105	+09:00	20 29.165N	141 39.977E	4440		355	16.8	356	16.7	164	0.2	3463
110603	110	+09:00	20 30.511N	141 39.843E	4440		355	16.5	355	16.2	174	0.3	3465
110603	115	+09:00	20 31.834N	141 39.703E	4442		355	15.9	354	15.9	191	0.6	3466
110603	120	+09:00	20 33.180N	141 39.560E	4440		356	16.5	354	16.6	231	0.5	3467
110603	125	+09:00	20 34.507N	141 39.421E	4419		357	16.6	355	15.7	226	0.8	3469
110603	130	+09:00	20 35.829N	141 39.299E	4413		357	16.8	354	15.9	215	0.7	3470
110603	135	+09:00	20 37.167N	141 39.181E	4411		357	16.3	355	16.3	197	0.8	3471
110603	140	+09:00	20 38.504N	141 39.060E	4420		357	16.8	355	16.5	244	0.5	3473
110603	145	+09:00	20 39.829N	141 38.937E	4435		357	16.2	355	16.4	220	0.8	3474
110603	150	+09:00	20 41.144N	141 38.820E	4436		357	16.1	352	15.8	229	0.4	3475
110603	155	+09:00	20 42.491N	141 38.705E	4434		357	16.2	355	16.1	249	0.4	3477
110603	200	+09:00	20 43.830N	141 38.592E	4444		357	16.2	358	16.4	221	0.4	3478
110603	205	+09:00	20 45.167N	141 38.486E	4438		356	16.3	358	15.8	198	0.4	3479
110603	210	+09:00	20 46.515N	141 38.372E	4431		356	16.5	355	16.1	226	0.3	3481
110603	215	+09:00	20 47.873N	141 38.239E	4414		356	16.6	356	16.3	256	0.3	3482
110603	220	+09:00	20 49.230N	141 38.113E	4407		356	16.5	356	16.6	264	0.3	3484
110603	225	+09:00	20 50.596N	141 37.991E	4415		356	16.5	353	16.1	289	0.4	3485
110603	230	+09:00	20 51.945N	141 37.866E	4405		356	16.3	356	16.8	251	0.5	3486
110603	235	+09:00	20 53.308N	141 37.740E	4389		357	16.8	357	16.7	246	0.5	3488
110603	240	+09:00	20 54.668N	141 37.614E	4366		357	16.3	357	16.3	271	0.4	3489
110603	245	+09:00	20 56.012N	141 37.503E	4312		357	16.5	358	16	224	0.3	3490
110603	250	+09:00	20 57.350N	141 37.399E	4202		356	16.1	355	16.7	187	0.4	3492
110603	255	+09:00	20 58.690N	141 37.282E	4260		356	16.5	358	16.2	196	0.3	3493
110603	259	+09:00	21 00.012N	141 37.161E	4275		356	16.2	353	16.4	192	0.3	3494
110603	300	+09:00	21 00.031N	141 37.159E	4275		356	16.3	355	15.4	227	0.3	3494
110603	305	+09:00	21 01.370N	141 37.040E	4260		356	16.3	352	16.7	183	0.7	3496
110603	310	+09:00	21 02.741N	141 36.919E	4257		356	16.8	357	16.4	235	0.2	3497
110603	315	+09:00	21 04.084N	141 36.813E	4242		356	16.5	357	16.5	150	0.1	3498
110603	320	+09:00	21 05.440N	141 36.700E	4237		355	16.5	354	16.3	122	0.2	3500

SECT.3 ⇒ SECT.2



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT	
110603	321	+09:00	21 05.948N	141 36.655E	4226		354	16.1	353	16.5	131	0.1	3500	CLEARED OUT EEZ OF U.S.
110603	321	+09:00	21 05.958N	141 36.654E	4226		354	15.9	353	16.4	131	0.1	3500	ENTERED IN EEZ OF JAPAN
110603	325	+09:00	21 06.793N	141 36.581E	4220		355	16.3	352	15.9	93	0.1	3501	
110603	330	+09:00	21 08.137N	141 36.449E	4216		355	16.8	358	17.6	210	0.1	3502	
110603	335	+09:00	21 09.482N	141 36.321E	4195		355	16.8	354	16.8	164	0.1	3504	
110603	340	+09:00	21 10.839N	141 36.196E	4150		355	16.5	354	16.3	180	0.2	3505	
110603	345	+09:00	21 12.178N	141 36.065E	4123		356	16.3	356	16.8	217	0.5	3506	
110603	350	+09:00	21 13.528N	141 35.931E	4063		356	16.5	359	16.2	248	0.4	3508	
110603	355	+09:00	21 14.874N	141 35.805E	4046		356	16.5	355	17	228	0.5	3509	
110603	400	+09:00	21 16.213N	141 35.686E	4005		356	16.2	353	15.7	229	0.4	3511	
110603	405	+09:00	21 17.558N	141 35.568E	3914		357	16.3	353	16.3	226	0.3	3512	
110603	410	+09:00	21 18.920N	141 35.458E	3877		356	16.6	356	15.7	286	0.1	3513	
110603	415	+09:00	21 20.274N	141 35.342E	3850		356	16.5	355	16.2	203	0.1	3515	
110603	420	+09:00	21 21.638N	141 35.218E	3751		356	16.6	357	16.9	220	0.3	3516	
110603	425	+09:00	21 22.993N	141 35.096E	3665		356	16.6	354	16.5	243	0.2	3517	
110603	430	+09:00	21 24.359N	141 34.974E	6		356	16.3	352	16.2	216	0.3	3519	
110603	435	+09:00	21 25.718N	141 34.844E	3920		356	16.6	354	16.7	275	0.2	3520	
110603	440	+09:00	21 27.080N	141 34.723E	3933		356	16.2	353	16.7	261	0.2	3521	
110603	445	+09:00	21 28.445N	141 34.598E	3932		356	16.6	358	16.7	265	0.3	3523	
110603	448	+09:00	21 29.306N	141 34.518E	3915		356	16.6	354	17	296	0.3	3524	SUNRISE & TURNED OFF REGULATION LIGHTS
110603	450	+09:00	21 29.821N	141 34.474E	3916		356	16.3	0	16.3	276	0.4	3524	
110603	455	+09:00	21 31.193N	141 34.355E	3907		356	16.2	358	17.1	292	0.4	3525	
110603	500	+09:00	21 32.561N	141 34.230E	3889		356	16.2	356	17	264	0.3	3527	
110603	505	+09:00	21 33.931N	141 34.104E	3872		356	16.2	357	16.2	289	0.2	3528	
110603	510	+09:00	21 35.309N	141 33.978E	3807		355	16.2	349	17	292	0.3	3530	
110603	515	+09:00	21 36.689N	141 33.859E	3777		356	16.2	359	16.4	316	0.5	3531	
110603	520	+09:00	21 38.091N	141 33.736E	3717		356	16.8	355	16.8	331	0.5	3532	
110603	525	+09:00	21 39.500N	141 33.613E	3812		355	16.5	352	17.4	336	0.6	3534	
110603	530	+09:00	21 40.915N	141 33.492E	3743		356	16.5	358	17.5	354	0.8	3535	
110603	535	+09:00	21 42.330N	141 33.371E	3693		356	16.1	357	16.9	347	0.6	3537	
110603	540	+09:00	21 43.743N	141 33.257E	3660		356	16.3	359	16.7	10	0.6	3538	
110603	545	+09:00	21 45.147N	141 33.142E	3718		356	16.1	350	16.7	4	0.7	3539	
110603	550	+09:00	21 46.548N	141 33.029E	3774		356	16.3	357	17.4	15	0.5	3541	
110603	555	+09:00	21 47.960N	141 32.919E	3771		355	16.6	354	17.5	24	0.6	3542	
110603	600	+09:00	21 49.374N	141 32.806E	3733		355	16.3	358	17.5	23	0.7	3544	
110603	605	+09:00	21 50.789N	141 32.705E	3691		354	16.5	355	16.6	28	0.7	3545	
110603	610	+09:00	21 52.206N	141 32.607E	3570		354	16.3	353	16.9	41	0.6	3547	
110603	615	+09:00	21 53.615N	141 32.520E	3600		355	16.2	355	16.5	31	0.8	3548	
110603	620	+09:00	21 55.027N	141 32.433E	3441		356	16.5	1	17.6	20	0.9	3549	
110603	625	+09:00	21 56.450N	141 32.334E	2960		355	16.1	352	17.1	21	0.8	3551	
110603	630	+09:00	21 57.878N	141 32.220E	2744		354	16.3	358	17.1	30	0.8	3552	
110603	635	+09:00	21 59.310N	141 32.104E	2594		354	16.3	356	17.2	23	1	3554	
110603	640	+09:00	22 00.746N	141 31.988E	2438		354	16.2	356	17.6	32	1.1	3555	
110603	645	+09:00	22 02.162N	141 31.865E	2414		352	16.2	353	16.9	31	0.9	3557	
110603	650	+09:00	22 03.589N	141 31.744E	2581		353	16.1	351	17.7	34	1	3558	
110603	655	+09:00	22 05.011N	141 31.622E	2885		353	15.9	359	17.3	33	1.1	3559	
110603	700	+09:00	22 06.432N	141 31.498E	3324		353	16.5	358	17.8	29	1.1	3561	
110603	705	+09:00	22 07.861N	141 31.370E	3441		353	16.3	355	16.7	40	0.9	3562	
110603	710	+09:00	22 09.272N	141 31.243E	3465		353	16.5	354	18.1	28	1.2	3564	
110603	715	+09:00	22 10.688N	141 31.108E	3406		353	16.1	351	18.3	33	0.9	3565	
110603	720	+09:00	22 12.115N	141 30.974E	3612		354	16.5	358	16.5	22	1	3567	
110603	725	+09:00	22 13.540N	141 30.842E	3698		353	16.3	356	17.4	23	0.9	3568	
110603	730	+09:00	22 14.969N	141 30.704E	3572		353	16.3	352	16.7	28	0.7	3569	
110603	735	+09:00	22 16.381N	141 30.568E	3592		354	16.5	358	16.7	15	0.9	3571	
110603	740	+09:00	22 17.801N	141 30.423E	3587		354	16.5	355	17.8	1	0.9	3572	
110603	745	+09:00	22 19.232N	141 30.298E	3576		354	16.5	356	16.6	13	1	3574	
110603	750	+09:00	22 20.661N	141 30.173E	3619		354	16.3	355	18.2	19	1	3575	
110603	755	+09:00	22 22.083N	141 30.054E	3672		353	16.1	356	16.8	19	1.1	3576	
110603	800	+09:00	22 23.513N	141 29.917E	3659		354	15.9	356	16.7	10	0.9	3578	
110603	805	+09:00	22 24.953N	141 29.778E	3634		355	16.3	357	17.4	7	1.1	3579	
110603	810	+09:00	22 26.385N	141 29.649E	3596		355	16.5	358	17.4	12	1.1	3581	
110603	815	+09:00	22 27.811N	141 29.519E	3538		355	16.5	359	16.9	5	1.2	3582	
110603	820	+09:00	22 29.244N	141 29.395E	3439		354	16.3	356	17.2	21	1	3584	
110603	825	+09:00	22 30.678N	141 29.287E	3442		353	16.2	353	16.6	26	1.2	3585	
110603	830	+09:00	22 32.119N	141 29.155E	3398		354	16.6	359	18	19	1.3	3587	
110603	835	+09:00	22 33.572N	141 29.034E	3245		354	16.3	355	17.5	28	1.3	3588	
110603	840	+09:00	22 35.004N	141 28.908E	3219		353	16.2	358	18.3	25	1.2	3589	
110603	845	+09:00	22 36.442N	141 28.772E	3333		354	16.2	355	17.4	20	1.3	3591	
110603	850	+09:00	22 37.912N	141 28.646E	3472		353	16.3	353	16.9	24	1.4	3592	
110603	855	+09:00	22 39.374N	141 28.520E	3482		353	16.3	348	17.4	23	1.5	3594	
110603	900	+09:00	22 40.830N	141 28.402E	3514		353	16.6	354	18.3	32	1.5	3595	
110603	905	+09:00	22 42.290N	141 28.273E	3418		352	16.5	355	18.2	29	1.7	3597	
110603	910	+09:00	22 43.765N	141 28.149E	3231		352	16.2	354	18.5	31	1.8	3598	
110603	915	+09:00	22 45.238N	141 28.032E	3124		352	16.3	358	18.1	32	1.9	3600	
110603	920	+09:00	22 46.717N	141 27.913E	2669		351	16.5	353	17.6	39	1.9	3601	
110603	925	+09:00	22 48.192N	141 27.780E	2307		351	16.1	356	17.6	37	2	3603	
110603	930	+09:00	22 49.663N	141 27.653E	2884		351	16.1	350	18.4	35	2	3604	
110603	935	+09:00	22 51.125N	141 27.517E	2830		351	15.9	352	18.2	32	1.9	3606	
110603	940	+09:00	22 52.606N	141 27.383E	2835		350	16.1	352	17.2	31	2	3607	
110603	945	+09:00	22 54.080N	141 27.250E	2809		350	16.1	347	17.5	31	2.3	3609	
110603	950	+09:00	22 55.537N	141 27.124E	2701		351	16.3	357	17.5	36	1.9	3610	
110603	955	+09:00	22 56.997N	141 26.998E	2567		350	16.2	354	17	42	2	3612	
110603	1000	+09:00	22 58.465N	141 26.867E	2425		350	16.6	358	18.5	32	2.1	3613	
110603	1005	+09:00	22 59.929N	141 26.732E	1813		350	16.2	353	17.7	41	1.7	3615	
110603	1010	+09:00	23 01.399N	141 26.589E	1117		350	16.8	351	17.2	36	1.8	3616	
110603	1015	+09:00	23 02.874N	141 26.440E	1917		351	16.6	359	17.1	33	1.5	3618	
110603	1020	+09:00	23 04.321N	141 26.288E	2205		352	16.5	356	17.1	32	1.4	36	



## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110603	1030	+09:00	23 07.212N	141 25.995E	6		352	16.5	0	17.4	34	1.3	3622
110603	1035	+09:00	23 08.658N	141 25.856E	5		352	16.2	357	17.6	25	1.2	3623
110603	1040	+09:00	23 10.095N	141 25.714E	1213		353	16.5	354	16.8	37	0.7	3625
110603	1045	+09:00	23 11.502N	141 25.573E	561		353	15.9	356	16.5	41	0.4	3626
110603	1050	+09:00	23 12.926N	141 25.434E	554		354	16.5	355	17	4	0.7	3628
110603	1055	+09:00	23 14.337N	141 25.285E	1194		354	16.6	354	17.2	10	0.3	3629
110603	1100	+09:00	23 15.737N	141 25.140E	1421		354	16.2	353	16.3	352	0.4	3630
110603	1105	+09:00	23 17.139N	141 24.999E	1334		354	16.8	354	17	349	0.6	3632
110603	1110	+09:00	23 18.573N	141 24.851E	1308		355	16.5	351	17	356	0.6	3633
110603	1115	+09:00	23 20.007N	141 24.707E	1323		355	16.5	355	17.5	8	0.9	3635
110603	1120	+09:00	23 21.444N	141 24.569E	1052		355	16.6	354	17.7	4	0.8	3636
110603	1125	+09:00	23 22.885N	141 24.413E	1037		355	16.5	353	17.7	349	1	3637
110603	1130	+09:00	23 24.334N	141 24.261E	1222		355	16.2	354	17.4	348	1.1	3639
110603	1135	+09:00	23 25.798N	141 24.120E	1298		356	16.5	358	17.2	358	0.9	3640
110603	1140	+09:00	23 27.246N	141 23.998E	1373		355	16.3	356	16.7	11	1	3642
110603	1145	+09:00	23 28.701N	141 23.893E	1298		355	16.8	355	17.9	23	1	3643
110603	1150	+09:00	23 30.143N	141 23.795E	1467		355	16.8	358	17.5	27	1.2	3645
110603	1155	+09:00	23 31.583N	141 23.715E	1464		355	16.5	355	17.5	45	1.1	3646
110603	1200	+09:00	23 33.023N	141 23.618E	1428		354	16.3	353	17.4	41	1.1	3648
110603	1205	+09:00	23 34.465N	141 23.518E	1500		353	16.6	352	17.9	38	1.4	3649
110603	1210	+09:00	23 35.922N	141 23.399E	1592		352	16.8	355	16.9	41	1.3	3650
110603	1215	+09:00	23 37.369N	141 23.271E	5		352	16.5	354	17.3	46	1.4	3652
110603	1220	+09:00	23 38.816N	141 23.154E	1714		352	16.6	354	17.4	48	1.6	3653
110603	1225	+09:00	23 40.259N	141 23.034E	1716		351	16.9	358	17.1	54	1.4	3655
110603	1230	+09:00	23 41.693N	141 22.905E	1692		350	16.5	355	17.5	39	1.7	3656
110603	1235	+09:00	23 43.126N	141 22.770E	1637		352	16.3	354	17.4	44	1.3	3658
110603	1240	+09:00	23 44.559N	141 22.639E	1562		351	16.8	353	17.1	52	1.4	3659
110603	1245	+09:00	23 45.946N	141 22.521E	1527		351	16.8	354	16.2	86	1.1	3661
110603	1250	+09:00	23 47.299N	141 22.396E	1424		352	16.8	355	16.5	105	1.1	3662
110603	1255	+09:00	23 48.649N	141 22.271E	1412		352	16.2	356	16.8	97	1.2	3663
110603	1300	+09:00	23 50.018N	141 22.146E	1435		351	16.6	357	16.8	76	1.2	3665
110603	1305	+09:00	23 51.388N	141 22.017E	1461		351	16.6	355	16.9	92	1.1	3666
110603	1310	+09:00	23 52.753N	141 21.889E	1457		351	16.3	354	16.2	95	1.2	3667
110603	1315	+09:00	23 54.149N	141 21.756E	1456		352	16.6	357	17.1	63	1.3	3669
110603	1320	+09:00	23 55.560N	141 21.630E	1473		352	17.1	355	17.1	75	1.3	3670
110603	1325	+09:00	23 56.958N	141 21.505E	1479		351	16.8	356	17.1	69	1.3	3672
110603	1330	+09:00	23 58.341N	141 21.367E	1456		351	16.8	355	16.8	83	1	3673
110603	1335	+09:00	23 59.700N	141 21.215E	1406		347	16.9	349	15.8	95	0.9	3674
110603	1336	+09:00	23 59.987N	141 21.166E	1394		349	16.8	354	16.5	96	1.1	3675
110603	1336	+09:00	24 00.001N	141 21.164E	1394		348	16.6	350	16.1	97	1.1	3675
110603	1340	+09:00	24 01.050N	141 21.030E	1385		353	16.3	356	16.1	105	1	3676
110603	1345	+09:00	24 02.405N	141 20.890E	1317		352	16.3	355	16.4	111	0.8	3677
110603	1350	+09:00	24 03.756N	141 20.729E	1287		350	16.8	354	17	87	0.6	3678
110603	1355	+09:00	24 05.105N	141 20.552E	1256		350	16.8	354	16.5	92	1	3680
110603	1400	+09:00	24 06.480N	141 20.348E	1277		345	16.8	349	16.3	65	1.1	3681
110603	1405	+09:00	24 07.814N	141 20.050E	1285		346	16.3	344	16.9	116	0.6	3683
110603	1410	+09:00	24 09.148N	141 19.753E	1288		346	16.8	345	16.2	128	0.6	3684
110603	1415	+09:00	24 10.460N	141 19.377E	1305		346	16.8	347	16.4	126	0.2	3685
110603	1420	+09:00	24 11.771N	141 18.987E	1462		345	16.5	344	16.2	238	0.3	3687
110603	1425	+09:00	24 13.060N	141 18.571E	1492		344	16.2	339	16.3	209	0.8	3688
110603	1430	+09:00	24 14.338N	141 18.123E	1243		349	16.6	348	16.1	243	0.8	3689
110603	1435	+09:00	24 15.633N	141 17.810E	873		350	16.6	348	15.9	204	1	3691
110603	1440	+09:00	24 16.930N	141 17.483E	764		349	16.6	351	16.5	224	0.6	3692
110603	1445	+09:00	24 18.269N	141 17.173E	764		348	16.9	346	16.5	226	0.4	3693
110603	1450	+09:00	24 19.639N	141 16.852E	927		351	16.6	346	17	279	0.8	3695
110603	1455	+09:00	24 21.028N	141 16.532E	1433		353	16.5	348	17.4	282	1.4	3696
110603	1500	+09:00	24 22.454N	141 16.245E	1482		353	16.6	350	17.7	296	1.3	3698
110603	1505	+09:00	24 23.872N	141 15.959E	1453		352	16.3	346	17	279	1.1	3699
110603	1510	+09:00	24 25.253N	141 15.677E	1343		353	17.1	348	17.5	280	1	3701
110603	1515	+09:00	24 26.663N	141 15.397E	1305		353	16.3	350	17.3	289	1.1	3702
110603	1520	+09:00	24 28.047N	141 15.119E	1201		353	16.9	349	16.8	265	1	3703
110603	1525	+09:00	24 29.426N	141 14.856E	1170		353	16.8	355	17	275	0.8	3705
110603	1530	+09:00	24 30.782N	141 14.588E	1198		353	16.6	346	16.7	233	0.6	3706
110603	1535	+09:00	24 32.132N	141 14.333E	1139		352	16.3	356	16.2	212	0.6	3708
110603	1540	+09:00	24 33.469N	141 14.061E	1134		352	17.1	348	16.1	224	0.7	3709
110603	1545	+09:00	24 34.826N	141 13.786E	1078		351	17.3	350	16.7	260	0.6	3710
110603	1550	+09:00	24 36.199N	141 13.529E	993		352	16.5	352	16.7	293	0.3	3712
110603	1555	+09:00	24 37.559N	141 13.270E	947		351	16.8	353	16.2	193	0.5	3713
110603	1600	+09:00	24 38.869N	141 13.010E	888		350	16.6	349	15.9	182	0.7	3714
110603	1605	+09:00	24 40.193N	141 12.744E	822		350	16.6	348	16.5	184	0.6	3716
110603	1610	+09:00	24 41.542N	141 12.460E	785		351	16.6	348	16.4	290	0.5	3717
110603	1615	+09:00	24 42.905N	141 12.182E	722		351	16.9	351	17.2	249	0.4	3718
110603	1620	+09:00	24 44.293N	141 11.903E	705		351	16.8	347	17.1	308	0.5	3720
110603	1625	+09:00	24 45.681N	141 11.636E	703		350	16.6	350	17.3	317	0.2	3721
110603	1630	+09:00	24 47.049N	141 11.354E	660		350	16.6	351	16.8	223	0.3	3723
110603	1635	+09:00	24 48.390N	141 11.072E	643		351	16.8	349	15.9	197	0.8	3724
110603	1640	+09:00	24 49.741N	141 10.805E	603		350	16.9	348	16.2	215	0.6	3725
110603	1645	+09:00	24 51.093N	141 10.512E	341		351	17.3	350	16.6	241	0.8	3727
110603	1650	+09:00	24 52.431N	141 10.236E	789		352	16.6	347	16.3	233	0.6	3728
110603	1655	+09:00	24 53.763N	141 09.975E	1013		351	16.6	349	16.5	212	0.6	3729
110603	1700	+09:00	24 55.119N	141 09.701E	1162		351	16.9	352	16.6	221	0.5	3731
110603	1705	+09:00	24 56.459N	141 09.427E	1229		351	16.5	349	16.7	276	0.5	3732
110603	1710	+09:00	24 57.803N	141 09.150E	1272		352	17.1	348	16.2	216	0.8	3734
110603	1715	+09:00	24 59.161N	141 08.882E	1289		352	16.9	355	17.2	252	0.3	3735
110603	1720	+09:00	25 00.512N	141 08.614E	1276		351	16.8	351	16.6	216	0.6	3736
110603	1725	+09:00	25 01.870N	141 08.341E	1226		351	16.8	350	16.8	265	0.4	3738
110603	1730	+09:00	25 03.247N	141 08.079E	1199		349	17.1	346	17.2	316	0.3	3739
110603	1735	+09:00	25 04.594N	141 07.811E	1200		350	16.8	347	16.5	188	0.2	3740

PASSED 2d  
A/CO TO 350°

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110603	1740	+09:00	25 05.941N	141 07.516E	1089		351	16.6	347	16.3	227	0.8	3742
110603	1745	+09:00	25 07.291N	141 07.235E	1144		350	16.6	352	16	233	0.6	3743
110603	1750	+09:00	25 08.638N	141 06.966E	1141		351	16.6	346	16.6	227	0.4	3745
110603	1755	+09:00	25 09.983N	141 06.703E	1154		351	16.8	354	16.3	194	0.7	3746
110603	1800	+09:00	25 11.305N	141 06.428E	1402		350	16.8	345	16	215	0.7	3747
110603	1805	+09:00	25 12.629N	141 06.157E	1433		351	16.9	346	15.7	205	0.8	3749
110603	1810	+09:00	25 13.939N	141 05.889E	1498		350	16.6	349	16	203	0.8	3750
110603	1815	+09:00	25 15.264N	141 05.614E	1472		351	16.8	351	16.4	213	0.8	3751
110603	1820	+09:00	25 16.594N	141 05.357E	1435		350	16.8	352	16.2	187	0.8	3753
110603	1822	+09:00	25 17.136N	141 05.244E	1476		351	16.6	347	15.9	205	0.7	3753
110603	1825	+09:00	25 17.893N	141 05.085E	1510		351	16.8	349	16	205	0.8	3754
110603	1830	+09:00	25 19.194N	141 04.815E	1389		351	16.5	350	15.9	198	0.8	3755
110603	1835	+09:00	25 20.512N	141 04.552E	1357		352	16.6	351	16.1	202	0.7	3757
110603	1840	+09:00	25 21.843N	141 04.288E	1355		352	16.5	349	16.2	244	0.6	3758
110603	1845	+09:00	25 23.176N	141 04.034E	1328		350	16.8	350	16.2	188	0.6	3759
110603	1850	+09:00	25 24.507N	141 03.775E	1316		350	16.6	344	16.3	188	0.4	3761
110603	1855	+09:00	25 25.845N	141 03.515E	1311		350	16.6	348	16.1	174	0.3	3762
110603	1900	+09:00	25 27.189N	141 03.249E	1335		349	16.6	346	16.8	197	0.2	3763
110603	1905	+09:00	25 28.565N	141 02.981E	1274		350	16.5	349	16.6	11	0.4	3765
110603	1910	+09:00	25 29.948N	141 02.712E	1352		349	16.6	348	16.9	128	0.1	3766
110603	1915	+09:00	25 31.344N	141 02.453E	1391		350	16.9	352	17.1	48	0.4	3768
110603	1920	+09:00	25 32.734N	141 02.175E	1544		348	16.3	349	16.6	39	0.2	3769
110603	1925	+09:00	25 34.108N	141 01.893E	1655		349	16.6	348	17.4	37	0.3	3770
110603	1930	+09:00	25 35.502N	141 01.611E	1745		349	16.8	349	16.8	3	0.5	3772
110603	1935	+09:00	25 36.916N	141 01.344E	1894		349	16.6	348	17.4	27	0.7	3773
110603	1940	+09:00	25 38.334N	141 01.081E	1993		349	16.8	353	17.3	32	0.7	3775
110603	1945	+09:00	25 39.771N	141 00.813E	2097		350	16.5	350	17.8	16	0.9	3776
110603	1950	+09:00	25 41.204N	141 00.571E	2175		349	16.6	350	17.4	44	0.9	3778
110603	1955	+09:00	25 42.622N	141 00.339E	2262		348	16.6	350	16.9	43	0.8	3779
110603	2000	+09:00	25 44.024N	141 00.089E	2271		348	16.6	352	17.1	53	0.9	3780
110603	2005	+09:00	25 45.418N	140 59.819E	2310		348	16.8	351	16.8	52	0.7	3782
110603	2010	+09:00	25 46.801N	140 59.547E	2242		348	16.9	350	16.9	66	0.8	3783
110603	2015	+09:00	25 48.176N	140 59.290E	2255		346	16.9	348	16.4	102	1.3	3785
110603	2020	+09:00	25 49.528N	140 59.035E	2280		347	16.8	351	16.5	91	1	3786
110603	2025	+09:00	25 50.874N	140 58.772E	2251		346	16.6	353	16.1	97	1.2	3787
110603	2030	+09:00	25 52.186N	140 58.490E	2217		347	16.8	347	15.9	124	1	3789
110603	2035	+09:00	25 53.488N	140 58.202E	2230		348	16.5	347	16.2	131	0.9	3790
110603	2040	+09:00	25 54.801N	140 57.915E	1841		348	16.9	349	16	127	0.7	3791
110603	2045	+09:00	25 56.109N	140 57.644E	1978		348	16.8	353	15.9	116	0.7	3793
110603	2050	+09:00	25 57.437N	140 57.375E	1951		348	16.9	350	16.4	104	0.6	3794
110603	2055	+09:00	25 58.781N	140 57.090E	1863		348	16.6	353	16.4	116	0.3	3795
110603	2100	+09:00	26 00.129N	140 56.816E	1555		347	16.6	350	16.4	106	0.7	3797
110603	2105	+09:00	26 01.485N	140 56.545E	1101		348	16.9	349	16.5	76	0.6	3798
110603	2110	+09:00	26 02.864N	140 56.264E	5		348	16.8	353	16.7	88	0.6	3800
110603	2115	+09:00	26 04.218N	140 55.998E	185		347	16.9	352	16.4	78	0.9	3801
110603	2120	+09:00	26 05.569N	140 55.742E	771		346	16.5	346	16.5	93	1.1	3802
110603	2125	+09:00	26 06.920N	140 55.489E	816		348	16.6	353	16.5	80	1.2	3804
110603	2130	+09:00	26 08.256N	140 55.239E	1162		345	16.2	347	16	94	1.2	3805
110603	2135	+09:00	26 09.581N	140 54.967E	1441		346	16.6	348	16	93	1	3806
110603	2140	+09:00	26 10.917N	140 54.679E	1550		346	16.6	348	16.6	93	1	3808
110603	2145	+09:00	26 12.260N	140 54.399E	1636		346	16.6	352	15.9	107	1.1	3809
110603	2150	+09:00	26 13.577N	140 54.116E	1741		347	16.6	349	16.3	108	1	3810
110603	2155	+09:00	26 14.891N	140 53.839E	1791		347	16.8	351	15.7	118	0.9	3812
110603	2200	+09:00	26 16.212N	140 53.558E	1883		347	16.5	350	16.1	129	1	3813
110603	2205	+09:00	26 17.525N	140 53.259E	1904		348	17.1	348	16.3	143	0.8	3814
110603	2210	+09:00	26 18.828N	140 52.965E	1964		348	16.2	351	15.6	159	0.8	3816
110603	2215	+09:00	26 20.132N	140 52.683E	1978		349	16.8	347	16	161	0.6	3817
110603	2220	+09:00	26 21.464N	140 52.417E	1902		349	16.9	347	16.3	157	0.6	3818
110603	2225	+09:00	26 22.780N	140 52.152E	1930		349	16.5	350	16.4	143	0.7	3820
110603	2230	+09:00	26 24.099N	140 51.878E	5		349	16.8	351	16.3	144	0.5	3821
110603	2235	+09:00	26 25.439N	140 51.604E	5		348	16.9	347	16	134	0.6	3822
110603	2240	+09:00	26 26.757N	140 51.326E	2240		349	16.8	347	16.5	173	0.5	3824
110603	2245	+09:00	26 28.081N	140 51.044E	2345		350	16.9	352	16.2	160	0.3	3825
110603	2250	+09:00	26 29.406N	140 50.769E	2325		349	16.9	350	16.1	170	0.7	3826
110603	2255	+09:00	26 30.710N	140 50.482E	2285		348	16.8	348	15.8	188	0.6	3828
110603	2300	+09:00	26 32.019N	140 50.179E	2226		349	16.6	348	16.2	194	0.6	3829
110603	2305	+09:00	26 33.336N	140 49.861E	2093		349	16.8	350	16	204	0.8	3830
110603	2310	+09:00	26 34.644N	140 49.541E	2002		349	16.6	349	16.3	211	0.7	3832
110603	2315	+09:00	26 35.966N	140 49.216E	1906		349	16.8	354	16	215	0.8	3833
110603	2320	+09:00	26 37.281N	140 48.895E	1811		350	17.1	347	16.7	211	0.7	3835
110603	2325	+09:00	26 38.611N	140 48.612E	1839		351	16.9	350	15.9	195	0.8	3836
110603	2330	+09:00	26 39.911N	140 48.358E	1861		351	16.8	352	15.7	180	0.7	3837
110603	2335	+09:00	26 41.214N	140 48.102E	1839		350	16.9	351	15.8	170	0.8	3838
110603	2340	+09:00	26 42.513N	140 47.834E	1910		350	16.6	349	16.1	177	1	3840
110603	2345	+09:00	26 43.794N	140 47.566E	2098		350	16.6	349	15.4	173	1.1	3841
110603	2350	+09:00	26 45.062N	140 47.295E	2143		351	16.3	349	15.6	179	1.4	3842
110603	2355	+09:00	26 46.314N	140 47.043E	2170		349	16.9	350	15.3	175	1.5	3844
110604	0	+09:00	26 47.574N	140 46.771E	2268		350	16.8	348	15.3	182	1.3	3845
110604	5	+09:00	26 48.812N	140 46.515E	2387		350	16.5	348	14.6	189	1	3846
110604	10	+09:00	26 50.049N	140 46.251E	2440		350	16.6	351	14.7	178	2	3848
110604	15	+09:00	26 51.285N	140 45.987E	2496		351	16.9	350	15.4	184	1.8	3849
110604	20	+09:00	26 52.509N	140 45.725E	2543		351	16.3	348	14.8	186	1.7	3850
110604	25	+09:00	26 53.740N	140 45.465E	2592		352	16.5	350	15.3	187	1.8	3851
110604	30	+09:00	26 54.977N	140 45.218E	2622		352	16.6	348	15	185	1.6	3853
110604	35	+09:00	26 56.227N	140 44.972E	2633		352	16.8	351	15.3	186	1.4	3854
110604	40	+09:00	26 57.489N	140 44.699E	2521		352	16.9	350	15.2	192	1.4	3855
110604	45	+09:00	26 58.744N	140 44.455E	2410		350	16.6	354	15.5	178	1.5	3856
110604	50	+09:00	27 00.011N	140 44.208E	2368		351	16.9	351	15.7	173	1.1	3858

SUNSET & PUT ON REGULATION LIGHTS

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110604	55	+09:00	27 01.270N	140 43.963E	2326		351	16.6	351	15.5	169	1	3859
110604	100	+09:00	27 02.534N	140 43.718E	2294		349	16.8	350	15.5	170	1.3	3860
110604	105	+09:00	27 03.797N	140 43.444E	2270		350	16.9	351	16.1	187	1.1	3861
110604	110	+09:00	27 05.079N	140 43.160E	2439		350	16.3	351	16	201	1	3863
110604	115	+09:00	27 06.368N	140 42.887E	2204		351	16.6	349	15.4	200	1	3864
110604	120	+09:00	27 07.642N	140 42.610E	2225		351	16.9	353	15.9	192	1.4	3865
110604	125	+09:00	27 08.911N	140 42.340E	2138		352	16.9	350	15	198	1.3	3867
110604	130	+09:00	27 10.169N	140 42.074E	2030		351	16.6	353	15.3	199	1.3	3868
110604	135	+09:00	27 11.460N	140 41.805E	1546		351	16.5	350	15.3	216	1	3869
110604	140	+09:00	27 12.716N	140 41.541E	1374		352	17.1	351	15.2	199	1.3	3871
110604	145	+09:00	27 13.964N	140 41.283E	1160		351	16.6	347	15.4	189	1.9	3872
110604	150	+09:00	27 15.186N	140 41.023E	1283		353	16.8	351	14.6	194	2.1	3873
110604	155	+09:00	27 16.406N	140 40.769E	1638		352	16.5	346	15	191	1.9	3874
110604	200	+09:00	27 17.618N	140 40.513E	1908		352	16.8	349	14.5	195	2	3876
110604	205	+09:00	27 18.842N	140 40.248E	2029		352	16.9	350	15.2	195	2.3	3877
110604	210	+09:00	27 20.079N	140 39.985E	2102		353	16.8	349	15.1	202	1.8	3878
110604	215	+09:00	27 21.329N	140 39.732E	2095		353	16.8	349	15.3	199	1.7	3879
110604	220	+09:00	27 22.582N	140 39.467E	2142		353	16.8	350	15.7	206	1.6	3881
110604	225	+09:00	27 23.846N	140 39.202E	2253		353	16.6	347	15.5	213	1.4	3882
110604	230	+09:00	27 25.122N	140 38.939E	2290		353	16.8	356	15.6	225	1.2	3883
110604	235	+09:00	27 26.404N	140 38.674E	2346		353	16.5	348	15.5	209	1.2	3884
110604	240	+09:00	27 27.698N	140 38.425E	2382		353	16.3	348	16	206	1	3886
110604	245	+09:00	27 29.000N	140 38.173E	2397		352	16.6	346	16.5	203	1.1	3887
110604	250	+09:00	27 30.306N	140 37.919E	2468		352	16.9	350	16.1	215	0.7	3888
110604	255	+09:00	27 31.632N	140 37.667E	2557		352	16.3	351	16.2	190	0.6	3890
110604	300	+09:00	27 32.951N	140 37.401E	2664		349	16.5	344	16.2	188	0.5	3891
110604	305	+09:00	27 34.273N	140 37.134E	2748		351	16.1	350	16.2	202	0.5	3892
110604	310	+09:00	27 35.595N	140 36.862E	2794		350	16.5	345	16.1	181	0.6	3894
110604	315	+09:00	27 36.914N	140 36.570E	2799		350	16.9	349	15.9	202	0.9	3895
110604	320	+09:00	27 38.232N	140 36.297E	2719		352	16.9	351	15.8	203	0.6	3896
110604	325	+09:00	27 39.564N	140 36.022E	2736		350	16.8	352	16.2	197	0.8	3898
110604	330	+09:00	27 40.906N	140 35.743E	2890		351	16.8	351	16.4	230	0.4	3899
110604	335	+09:00	27 42.256N	140 35.465E	2996		352	16.9	349	16.8	233	0.4	3900
110604	340	+09:00	27 43.625N	140 35.190E	3285		350	16.9	348	16.8	226	0.4	3902
110604	345	+09:00	27 44.980N	140 34.904E	3395		350	16.9	351	17.4	236	0.3	3903
110604	350	+09:00	27 46.332N	140 34.618E	3460		351	16.6	349	16.4	227	0.5	3904
110604	355	+09:00	27 47.688N	140 34.324E	3412		350	16.5	353	16.4	220	0.7	3906
110604	400	+09:00	27 49.046N	140 34.039E	3226		351	16.6	348	16.8	270	0.4	3907
110604	405	+09:00	27 50.420N	140 33.763E	2991		352	16.3	347	16.8	289	0.4	3909
110604	410	+09:00	27 51.805N	140 33.480E	2977		352	16.8	351	17	279	0.4	3910
110604	415	+09:00	27 53.182N	140 33.203E	3178		351	16.9	353	16.9	284	0.4	3911
110604	420	+09:00	27 54.569N	140 32.906E	3292		350	16.8	345	16.7	280	0.4	3913
110604	425	+09:00	27 55.939N	140 32.613E	3250		350	16.6	347	16.8	240	0.6	3914
110604	430	+09:00	27 57.311N	140 32.321E	3087		350	16.3	347	16.9	263	0.5	3916
110604	435	+09:00	27 58.677N	140 32.030E	3052		352	16.8	349	16.9	227	0.6	3917
110604	440	+09:00	28 00.035N	140 31.753E	2858		351	16.8	348	16.6	228	0.4	3918
110604	441	+09:00	28 00.439N	140 31.671E	2860		351	16.6	352	16.3	220	0.3	3919
110604	445	+09:00	28 01.394N	140 31.485E	2793		351	16.9	349	16.3	233	0.4	3920
110604	450	+09:00	28 02.742N	140 31.215E	2828		351	16.8	351	16.8	220	0.3	3921
110604	455	+09:00	28 04.076N	140 30.952E	2867		350	16.6	353	16.4	180	0.6	3922
110604	500	+09:00	28 05.400N	140 30.671E	2890		350	16.9	350	15.9	213	0.4	3924
110604	505	+09:00	28 06.724N	140 30.384E	2863		350	16.2	346	16	202	0.7	3925
110604	510	+09:00	28 08.036N	140 30.102E	2808		350	16.6	346	15.8	200	0.9	3926
110604	515	+09:00	28 09.356N	140 29.827E	2684		351	17.1	350	15.6	195	0.6	3928
110604	520	+09:00	28 10.640N	140 29.545E	2574		350	16.6	345	15.6	215	0.8	3929
110604	525	+09:00	28 11.930N	140 29.283E	2498		352	16.6	353	15.4	194	1	3930
110604	530	+09:00	28 13.225N	140 29.017E	2441		350	16.8	353	15.3	190	1.1	3932
110604	535	+09:00	28 14.507N	140 28.748E	2374		350	16.3	346	15.4	196	0.9	3933
110604	540	+09:00	28 15.787N	140 28.472E	2272		351	16.8	349	15.7	187	1.1	3934
110604	545	+09:00	28 17.072N	140 28.215E	2201		350	16.8	349	15.7	188	1.2	3936
110604	550	+09:00	28 18.361N	140 27.946E	2246		351	17.1	349	16.4	200	1	3937
110604	555	+09:00	28 19.660N	140 27.674E	2114		351	16.8	349	16	191	1	3938
110604	600	+09:00	28 20.958N	140 27.408E	2217		353	16.6	352	15.4	185	1.1	3940
110604	605	+09:00	28 22.247N	140 27.131E	2295		349	17.1	349	15.9	195	1	3941
110604	610	+09:00	28 23.541N	140 26.846E	2348		352	16.3	347	15.8	194	0.8	3942
110604	615	+09:00	28 24.842N	140 26.595E	2406		351	16.9	353	16	175	0.8	3944
110604	620	+09:00	28 26.152N	140 26.346E	2471		351	16.6	356	16	172	0.6	3945
110604	625	+09:00	28 27.465N	140 26.086E	2526		348	16.9	348	15.8	162	0.9	3946
110604	630	+09:00	28 28.767N	140 25.823E	2549		349	16.8	346	15.9	164	0.9	3948
110604	635	+09:00	28 30.049N	140 25.555E	2537		349	16.9	350	16	175	1	3949
110604	640	+09:00	28 31.352N	140 25.265E	2517		350	16.8	351	15.8	179	0.8	3950
110604	645	+09:00	28 32.652N	140 24.997E	2455		349	16.3	350	15.6	179	0.4	3951
110604	650	+09:00	28 33.959N	140 24.726E	2368		351	16.2	353	15.8	165	0.8	3953
110604	655	+09:00	28 35.278N	140 24.442E	2168		350	16.8	348	16.3	169	0.5	3954
110604	700	+09:00	28 36.609N	140 24.166E	2442		348	17.1	348	16	135	0.4	3956
110604	705	+09:00	28 37.936N	140 23.896E	2347		349	16.5	350	16.1	158	0.5	3957
110604	710	+09:00	28 39.267N	140 23.628E	2211		350	16.3	350	16.6	122	0.3	3958
110604	715	+09:00	28 40.601N	140 23.351E	2228		349	16.5	350	16.3	73	0.1	3960
110604	720	+09:00	28 41.933N	140 23.063E	2185		349	16.6	351	16.4	106	0.2	3961
110604	725	+09:00	28 43.264N	140 22.807E	2315		349	16.1	352	16.2	105	0.4	3962
110604	730	+09:00	28 44.597N	140 22.559E	2395		349	16.8	351	15.7	102	0.7	3964
110604	735	+09:00	28 45.940N	140 22.322E	2316		350	16.8	354	16	84	0.6	3965
110604	740	+09:00	28 47.295N	140 22.098E	2381		350	15.4	353	16.8	71	0.8	3966
110604	745	+09:00	28 48.647N	140 21.879E	2455		350	16.5	356	16.5	95	0.8	3968
110604	750	+09:00	28 49.981N	140 21.662E	2492		349	16.1	351	16.3	106	0.9	3969
110604	755	+09:00	28 51.314N	140 21.410E	2762		347	16.5	349	16.1	101	0.7	3970
110604	800	+09:00	28 52.645N	140 21.130E	2884		346	16.8	352	16.4	88	0.7	3972
110604	805	+09:00	28 54.004N	140 20.845E	2957		348	16.9	355	16.6	58	0.8	3973

SUNRISE & TURNED OFF REGULATION LIGHTS

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110604	810	+09:00	28 55.367N	140 20.568E	2970		346	16.8	349	16.9	75	0.7	3975
110604	815	+09:00	28 56.735N	140 20.295E	2884		346	16.6	349	16.7	71	1	3976
110604	820	+09:00	28 58.118N	140 20.020E	2833		346	16.9	349	16.7	73	1.1	3977
110604	825	+09:00	28 59.506N	140 19.752E	2842		346	16.9	350	17.2	74	1.3	3979
110604	830	+09:00	29 00.881N	140 19.474E	2926		345	16.5	349	16.6	65	1.4	3980
110604	835	+09:00	29 02.263N	140 19.196E	2919		345	16.5	351	16.4	65	1.4	3982
110604	840	+09:00	29 03.657N	140 18.907E	2955		345	16.8	346	16.7	61	1.5	3983
110604	845	+09:00	29 05.039N	140 18.624E	2938		345	16.3	350	16.9	59	1.6	3984
110604	850	+09:00	29 06.425N	140 18.347E	2974		344	16.5	348	16.8	66	1.5	3986
110604	855	+09:00	29 07.803N	140 18.065E	3045		344	16.9	348	16.5	66	1.6	3987
110604	900	+09:00	29 09.184N	140 17.784E	3072		344	16.6	351	17.2	72	1.7	3989
110604	905	+09:00	29 10.564N	140 17.493E	3274		344	16.9	353	16.8	72	1.6	3990
110604	910	+09:00	29 11.948N	140 17.196E	3352		344	16.5	352	16.7	57	1.7	3991
110604	915	+09:00	29 13.324N	140 16.911E	3368		345	16.3	352	16.8	67	1.7	3993
110604	920	+09:00	29 14.693N	140 16.631E	3474		344	16.8	351	16.6	77	1.7	3994
110604	925	+09:00	29 16.064N	140 16.338E	3600		343	16.6	350	16.4	69	1.7	3996
110604	930	+09:00	29 17.441N	140 16.036E	3612		344	16.8	344	16.8	66	1.5	3997
110604	935	+09:00	29 18.813N	140 15.744E	3642		344	16.5	351	17	57	1.4	3998
110604	940	+09:00	29 20.184N	140 15.445E	3636		345	16.3	347	16.7	63	1.3	4000
110604	945	+09:00	29 21.564N	140 15.146E	3515		345	16.3	349	16.8	57	1.3	4001
110604	950	+09:00	29 22.942N	140 14.854E	3337		344	16.2	347	16.5	62	1.4	4003
110604	955	+09:00	29 24.333N	140 14.560E	3162		346	16.3	351	17.3	56	1.5	4004
110604	1000	+09:00	29 25.713N	140 14.279E	2724		344	16.9	351	16.9	54	1.5	4005
110604	1005	+09:00	29 27.094N	140 13.989E	2623		345	16.3	350	16.7	55	1.4	4007
110604	1010	+09:00	29 28.468N	140 13.702E	2093		344	16.2	348	16.8	59	1.3	4008
110604	1015	+09:00	29 29.856N	140 13.576E	2295		13	15.9	16	16.7	41	1.7	4010
110604	1019	+09:00	29 31.050N	140 13.415E	2667		346	15.5	353	15.9	47	1.3	4011 S/B ENG'S
110604	1020	+09:00	29 31.212N	140 13.384E	2667		346	13.2	350	13.6	66	1.2	4011
110604	1025	+09:00	29 32.045N	140 13.280E	2665		348	6.9	358	7.7	63	1.2	4012
110604	1027	+09:00	29 32.248N	140 13.300E	2664		2	3.5	24	4.4	58	1.1	4012 STOPPED ENG'S
110604	1030	+09:00	29 32.340N	140 13.351E	2664		17	0.3	61	1.6			4012
110604	1035	+09:00	29 32.394N	140 13.403E	2664		346	0.4	75	1.2			4012
110604	1036	+09:00	29 32.428N	140 13.414E	2664		343	1.5	356	2.3	36	9.8	4012 USED ENG'S VAR'LY
110604	1040	+09:00	29 32.642N	140 13.410E	2663		346	5.6	3	6.5	41	1.1	4012
110604	1045	+09:00	29 33.401N	140 13.290E	2649		351	10.1	356	11.9	32	1.4	4013
110604	1050	+09:00	29 34.384N	140 13.133E	2614		345	11.6	351	12.6	39	1.3	4014
110604	1050	+09:00	29 34.533N	140 13.102E	2615		345	12.8	348	14.1	34	1.4	4014 FULL AHEAD ENG'S
110604	1055	+09:00	29 35.601N	140 12.967E	2610		358	14.2	0	14.8	42	1.3	4015
110604	1100	+09:00	29 36.966N	140 12.688E	2551		342	16.6	346	16.7	47	1.3	4017
110604	1100	+09:00	29 37.029N	140 12.669E	2534		342	16.6	345	17	52	1.3	4017 R/UP ENG'S
110604	1105	+09:00	29 38.344N	140 12.263E	2516		343	16.2	348	17.1	37	1.2	4018
110604	1110	+09:00	29 39.722N	140 11.886E	2509		343	16.5	348	16.8	47	0.8	4020
110604	1115	+09:00	29 41.069N	140 11.392E	2374		342	16.8	341	17.1	338	0.5	4021
110604	1120	+09:00	29 42.393N	140 10.860E	2222		338	16.3	336	16.8	265	0.3	4022
110604	1125	+09:00	29 43.732N	140 10.346E	1990		344	16.5	341	17	259	0.5	4024
110604	1130	+09:00	29 45.084N	140 09.943E	1609		344	17.1	342	16.8	264	0.7	4025
110604	1135	+09:00	29 46.410N	140 09.507E	1222		349	16.8	345	16.5	263	1.1	4027
110604	1140	+09:00	29 47.718N	140 09.063E	969		352	16.3	346	16.4	251	1.3	4028
110604	1145	+09:00	29 49.052N	140 08.714E	1624		351	16.6	346	16.5	269	1.1	4029
110604	1150	+09:00	29 50.397N	140 08.351E	2161		354	15.9	350	16.7	276	1.4	4031
110604	1155	+09:00	29 51.746N	140 08.012E	2464		352	16.2	347	16.5	271	1.1	4032
110604	1200	+09:00	29 53.090N	140 07.668E	2689		351	16.1	349	15.9	243	0.9	4034
110604	1205	+09:00	29 54.405N	140 07.323E	2721		351	16.2	352	16.4	270	0.7	4035
110604	1210	+09:00	29 55.763N	140 07.058E	2788		354	16.5	354	16.4	289	0.6	4036
110604	1215	+09:00	29 57.139N	140 06.758E	2850		351	16.5	348	17	289	0.7	4038
110604	1220	+09:00	29 58.525N	140 06.460E	2902		347	16.8	345	16.5	297	0.7	4039
110604	1225	+09:00	29 59.883N	140 06.098E	2939		353	16.1	351	16.9	313	0.8	4040
110604	1230	+09:00	30 01.266N	140 05.844E	2935		353	16.5	351	16.6	321	0.7	4042
110604	1235	+09:00	30 02.647N	140 05.587E	2902		353	16.5	350	16.7	298	0.8	4043
110604	1240	+09:00	30 04.021N	140 05.321E	2474		352	16.5	350	16.5	276	0.8	4045
110604	1245	+09:00	30 05.396N	140 05.054E	2167		353	17.3	350	16.6	284	0.7	4046
110604	1250	+09:00	30 06.733N	140 04.802E	1861		355	16.5	352	16.4	256	0.9	4047
110604	1255	+09:00	30 08.077N	140 04.516E	1772		354	16.5	350	16.2	258	0.9	4049
110604	1300	+09:00	30 09.416N	140 04.261E	1768		353	16.3	350	16	259	0.8	4050
110604	1305	+09:00	30 10.756N	140 04.055E	1686		353	16.3	353	16.4	223	0.9	4051
110604	1310	+09:00	30 12.110N	140 03.828E	1764		354	16.2	352	16.7	268	0.6	4053
110604	1315	+09:00	30 13.484N	140 03.621E	2162		355	16.6	352	16.6	288	0.7	4054
110604	1320	+09:00	30 14.846N	140 03.408E	2403		353	16.3	351	16.6	269	0.8	4056
110604	1325	+09:00	30 16.199N	140 03.186E	2535		354	16.6	350	16.9	240	0.9	4057
110604	1330	+09:00	30 17.535N	140 02.931E	2504		354	16.9	351	16.5	239	0.8	4058
110604	1335	+09:00	30 18.864N	140 02.705E	2500		354	16.3	352	15.9	250	0.7	4060
110604	1340	+09:00	30 20.202N	140 02.498E	2404		353	16.3	352	16.4	250	0.7	4061
110604	1345	+09:00	30 21.535N	140 02.277E	2381		353	16.3	351	16.4	230	0.7	4062
110604	1350	+09:00	30 22.873N	140 02.069E	2261		354	16.6	353	15.9	251	0.5	4064
110604	1355	+09:00	30 24.197N	140 01.901E	1941		354	15.8	354	16.3	146	0.3	4065
110604	1400	+09:00	30 25.498N	140 01.738E	1506		353	16.3	353	15.5	178	0.5	4066
110604	1405	+09:00	30 26.791N	140 01.480E	1433		348	16.8	350	16.1	190	0.5	4068
110604	1405	+09:00	30 26.990N	140 01.436E	1471		349	16.6	346	16	186	0.4	4068 PASSED 2c
110604	1405	+09:00	30 26.999N	140 01.434E	1471		349	16.3	347	16.1	186	0.5	4068 A/CO TO 351°
110604	1410	+09:00	30 28.096N	140 01.195E	1608		348	16.9	354	15.4	169	0.3	4069
110604	1415	+09:00	30 29.378N	140 00.882E	1721		350	16.3	350	15.6	186	0.5	4070
110604	1420	+09:00	30 30.680N	140 00.563E	1855		349	16.2	349	15.9	200	0.6	4072
110604	1425	+09:00	30 31.969N	140 00.262E	1935		348	16.6	350	15.4	177	1	4073
110604	1430	+09:00	30 33.258N	139 59.950E	2007		349	16.6	348	15.9	190	0.6	4074
110604	1435	+09:00	30 34.567N	139 59.608E	2059		350	16.2	347	16.1	246	0.7	4076
110604	1440	+09:00	30 35.902N	139 59.262E	2131		351	16.2	348	16.5	266	0.9	4077
110604	1445	+09:00	30 37.250N	139 58.915E	2164		351	16.1	347	16.2	279	1	4078
110604	1450	+09:00	30 38.599N	139 58.571E	2198		350	16.6	346	16.6	261	0.9	4080

Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110604	1455	+09:00	30 39.943N	139 58.234E	2196		351	16.5	346	16.6	252	0.9	4081
110604	1500	+09:00	30 41.245N	139 57.910E	2221		350	16.3	350	15.6	228	0.9	4082
110604	1505	+09:00	30 42.545N	139 57.676E	2289		354	16.5	356	15.7	213	0.8	4084
110604	1510	+09:00	30 43.841N	139 57.459E	2283		354	16.5	350	15.2	195	1.1	4085
110604	1515	+09:00	30 45.119N	139 57.261E	2289		354	16.5	350	15.2	192	1	4086
110604	1520	+09:00	30 46.392N	139 57.075E	2289		355	16.5	353	15.5	188	1	4088
110604	1525	+09:00	30 47.683N	139 56.893E	2282		354	16.6	351	16	179	0.9	4089
110604	1530	+09:00	30 48.983N	139 56.706E	2277		355	16.2	352	15.5	198	0.7	4090
110604	1535	+09:00	30 50.284N	139 56.512E	2258		354	16.3	354	15.7	201	0.9	4092
110604	1540	+09:00	30 51.580N	139 56.315E	2264		353	16.6	350	15.7	215	0.7	4093
110604	1545	+09:00	30 52.886N	139 56.101E	2035		354	16.3	355	15.6	212	0.8	4094
110604	1550	+09:00	30 54.191N	139 55.872E	1825		354	16.8	350	16.1	213	0.9	4095
110604	1555	+09:00	30 55.495N	139 55.620E	1788		354	16.5	351	16.1	232	0.9	4097
110604	1600	+09:00	30 56.818N	139 55.366E	1777		354	16.6	351	15.9	245	0.9	4098
110604	1605	+09:00	30 58.140N	139 55.086E	1819		354	16.1	348	16.3	234	1.1	4099
110604	1610	+09:00	30 59.467N	139 54.844E	1725		355	16.6	351	16.2	242	0.9	4101
110604	1615	+09:00	31 00.807N	139 54.612E	1810		356	16.6	352	16.4	264	0.8	4102
110604	1620	+09:00	31 02.144N	139 54.401E	1956		356	16.6	357	16.2	217	1.1	4104
110604	1625	+09:00	31 03.486N	139 54.188E	2049		354	16.2	352	16.2	239	0.7	4105
110604	1630	+09:00	31 04.830N	139 53.978E	1689		355	16.9	352	16.4	215	1	4106
110604	1635	+09:00	31 06.168N	139 53.774E	1756		354	16.6	352	15.9	233	0.8	4108
110604	1640	+09:00	31 07.497N	139 53.542E	2132		353	17.1	351	15.8	212	1.1	4109
110604	1645	+09:00	31 08.812N	139 53.304E	2138		353	16.5	351	16.2	226	0.9	4110
110604	1650	+09:00	31 10.123N	139 53.072E	2139		353	16.8	351	16	212	1.1	4112
110604	1655	+09:00	31 11.438N	139 52.839E	2139		354	16.1	352	15.9	225	1	4113
110604	1700	+09:00	31 12.751N	139 52.621E	2127		354	16.5	353	15.8	201	1	4114
110604	1705	+09:00	31 14.036N	139 52.404E	2104		354	16.9	352	15.5	207	1.2	4116
110604	1710	+09:00	31 15.315N	139 52.183E	2066		354	16.6	351	15.3	211	1.4	4117
110604	1715	+09:00	31 16.607N	139 51.916E	2046		354	16.9	352	16.3	227	1.5	4118
110604	1720	+09:00	31 17.910N	139 51.646E	2056		354	16.3	352	15.8	235	1.4	4119
110604	1725	+09:00	31 19.246N	139 51.350E	2028		353	16.6	347	16.6	269	1.4	4121
110604	1730	+09:00	31 20.616N	139 51.043E	1893		354	16.5	349	16.7	273	1.5	4122
110604	1735	+09:00	31 21.993N	139 50.742E	1576		353	16.6	346	16.9	288	1.3	4124
110604	1740	+09:00	31 23.359N	139 50.502E	1475		356	16.9	355	16.4	253	1.3	4125
110604	1745	+09:00	31 24.725N	139 50.295E	1296		357	16.6	354	16.9	253	1.1	4126
110604	1750	+09:00	31 26.075N	139 50.104E	1127		357	17.1	352	16.1	240	1.2	4127
110604	1755	+09:00	31 27.421N	139 49.923E	957		357	16.8	353	16	233	1.1	4129
110604	1800	+09:00	31 28.765N	139 49.736E	679		357	16.8	354	16.3	242	1.2	4130
110604	1805	+09:00	31 30.111N	139 49.523E	865		356	17.3	353	16.2	226	0.9	4131
110604	1810	+09:00	31 31.389N	139 49.284E	801		354	16.9	352	15.4	211	1.4	4133
110604	1815	+09:00	31 32.679N	139 49.036E	646		354	16.5	350	15.7	215	1.6	4134
110604	1820	+09:00	31 33.975N	139 48.795E	0		355	16.9	348	15.2	211	2	4135
110604	1825	+09:00	31 35.228N	139 48.506E	1354		355	16.6	349	15.6	225	2.3	4137
110604	1830	+09:00	31 36.492N	139 48.195E	1396		356	16.9	348	15.8	226	2.4	4138
110604	1835	+09:00	31 37.765N	139 47.888E	1396		355	16.8	349	15.7	226	2.2	4139
110604	1840	+09:00	31 39.046N	139 47.591E	1355		355	16.9	348	15.9	229	1.7	4141
110604	1843	+09:00	31 39.828N	139 47.436E	1335		353	16.9	349	15.8	220	1.6	4141
110604	1845	+09:00	31 40.345N	139 47.326E	1320		354	16.6	353	15.9	235	1.6	4142
110604	1850	+09:00	31 41.669N	139 47.129E	1353		358	16.6	354	15.7	220	1.7	4143
110604	1855	+09:00	31 42.986N	139 46.987E	1229		357	16.9	351	15.5	213	1.5	4145
110604	1900	+09:00	31 44.270N	139 46.822E	1200		358	16.3	1	16	213	1.3	4146
110604	1905	+09:00	31 45.566N	139 46.674E	961		356	17.1	354	15.5	195	1.5	4147
110604	1910	+09:00	31 46.856N	139 46.548E	742		356	16.9	354	15.8	200	1.2	4148
110604	1915	+09:00	31 48.173N	139 46.344E	607		353	16.8	355	16.3	198	0.6	4150
110604	1920	+09:00	31 49.500N	139 46.109E	730		354	16.8	356	16	201	0.8	4151
110604	1925	+09:00	31 50.799N	139 45.888E	1080		354	17.1	353	15.9	189	0.9	4152
110604	1930	+09:00	31 52.121N	139 45.661E	1436		354	16.3	351	16.4	201	0.5	4154
110604	1935	+09:00	31 53.466N	139 45.439E	1347		353	17.3	351	16.2	196	0.6	4155
110604	1940	+09:00	31 54.817N	139 45.222E	1290		352	16.6	349	16.3	292	0.3	4156
110604	1945	+09:00	31 56.188N	139 45.006E	996		353	16.6	350	16.8	204	0.2	4158
110604	1950	+09:00	31 57.553N	139 44.802E	666		353	16.6	352	16.8	283	0	4159
110604	1955	+09:00	31 58.935N	139 44.587E	915		352	16.8	352	16.7	189	0.3	4161
110604	2000	+09:00	32 00.321N	139 44.381E	1159		352	16.9	349	16.6	119	0.1	4162
110604	2005	+09:00	32 01.726N	139 44.166E	1262		351	16.5	351	16.9	353	0.4	4163
110604	2010	+09:00	32 03.136N	139 43.893E	1257		350	16.5	351	16.9	348	0.6	4165
110604	2015	+09:00	32 04.535N	139 43.562E	1139		346	17.5	345	17.3	17	0.6	4166
110604	2020	+09:00	32 05.908N	139 43.183E	1469		346	16.6	346	16.9	32	0.3	4168
110604	2025	+09:00	32 07.255N	139 42.847E	1512		347	16.8	346	16.7	118	0.5	4169
110604	2030	+09:00	32 08.593N	139 42.521E	1532		347	16.6	346	16.4	131	0.6	4170
110604	2035	+09:00	32 09.907N	139 42.151E	1582		346	16.8	344	16	195	0.6	4172
110604	2040	+09:00	32 11.219N	139 41.768E	1340		346	16.5	346	16.3	183	0.5	4173
110604	2045	+09:00	32 12.529N	139 41.464E	1588		351	15.9	346	15.9	177	0.3	4174
110604	2050	+09:00	32 13.835N	139 41.189E	1593		351	16.3	354	15.8	167	0.6	4176
110604	2055	+09:00	32 15.164N	139 40.929E	1593		351	16.9	354	16.5	174	0.1	4177
110604	2100	+09:00	32 16.500N	139 40.713E	1582		352	17.1	351	16.9	45	0.1	4178
110604	2104	+09:00	32 17.600N	139 40.524E	1574		352	16.5	352	16.1	175	0.3	4180
110604	2104	+09:00	32 17.610N	139 40.523E	1574		351	16.6	354	16.3	156	0.2	4180
110604	2105	+09:00	32 17.839N	139 40.488E	1572		356	16.6	354	16.5	169	0.3	4180
110604	2110	+09:00	32 19.195N	139 40.312E	1554		354	16.5	352	16.2	183	0.3	4181
110604	2115	+09:00	32 20.552N	139 40.049E	1456		354	16.3	349	16.7	247	1.2	4183
110604	2120	+09:00	32 21.929N	139 39.756E	1440		354	16.8	352	16.9	278	1.1	4184
110604	2125	+09:00	32 23.328N	139 39.495E	1404		355	16.9	353	16.8	269	0.9	4185
110604	2130	+09:00	32 24.709N	139 39.318E	1354		356	16.8	354	16.7	290	0.3	4187
110604	2135	+09:00	32 26.104N	139 39.189E	1343		357	16.8	358	16.7	238	0.1	4188
110604	2140	+09:00	32 27.500N	139 39.106E	1317		357	16.3	357	16.2	288	0	4189
110604	2145	+09:00	32 28.905N	139 39.024E	1296		358	16.9	359	16.8	297	0.2	4191
110604	2150	+09:00	32 30.314N	139 38.965E	1287		357	17.1	358	17.7	24	0.3	4192
110604	2155	+09:00	32 31.706N	139 38.935E	1253		1	16.3	6	16.4	91	0.3	4194

SUNSET & PUT ON REGULATION LIGHTS

PASSED 2b



Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110604	2200	+09:00	32 33.091N	139 39.023E	1156		2	16.5	3	16.6	106	0.5	4195
110604	2205	+09:00	32 34.467N	139 39.091E	1067		351	17.1	353	16.1	121	0.9	4196
110604	2210	+09:00	32 35.786N	139 38.742E	931		344	17.1	345	15.9	122	1.2	4198
110604	2215	+09:00	32 37.092N	139 38.404E	826		346	16.8	351	16.1	99	1.1	4199
110604	2220	+09:00	32 38.404N	139 38.098E	810		343	16.2	348	16.1	110	1.5	4200
110604	2225	+09:00	32 39.714N	139 37.806E	797		345	16.9	352	16	102	1.5	4202
110604	2230	+09:00	32 41.008N	139 37.442E	528		342	16.6	346	16.1	99	1.9	4203
110604	2235	+09:00	32 42.361N	139 37.325E	722		353	16.6	359	16.4	91	1.7	4204
110604	2240	+09:00	32 43.714N	139 37.294E	692		352	16.8	356	16.1	100	1.9	4206
110604	2245	+09:00	32 45.069N	139 37.273E	862		353	16.8	1	16.4	101	2.1	4207
110604	2250	+09:00	32 46.434N	139 37.287E	940		353	16.5	358	16.3	98	2.1	4209
110604	2255	+09:00	32 47.816N	139 37.222E	622		353	17.1	354	16.7	92	1.5	4210
110604	2300	+09:00	32 49.202N	139 37.151E	378		353	16.5	357	16.8	92	1.5	4211
110604	2305	+09:00	32 50.591N	139 37.075E	395		349	16.6	356	16.9	79	1.7	4213
110604	2310	+09:00	32 51.970N	139 36.917E	466		348	16.8	352	16.6	82	1.8	4214
110604	2315	+09:00	32 53.352N	139 36.779E	651		348	16.9	355	16.5	80	1.9	4215
110604	2320	+09:00	32 54.706N	139 36.633E	686		348	16.6	354	16.5	96	1.6	4217
110604	2325	+09:00	32 56.067N	139 36.473E	835		348	17.1	355	16.3	97	1.5	4218
110604	2330	+09:00	32 57.423N	139 36.247E	882		347	17.3	349	16.4	94	1.4	4220
110604	2335	+09:00	32 58.790N	139 35.928E	966		345	17.5	347	17	80	0.6	4221
110604	2340	+09:00	33 00.134N	139 35.570E	1096		346	17.6	347	16.4	134	0.9	4222
110604	2345	+09:00	33 01.458N	139 35.231E	1126		346	16.9	348	16.4	129	1.1	4224
110604	2350	+09:00	33 02.788N	139 34.939E	1159		347	17.1	349	16.5	119	1.1	4225
110604	2355	+09:00	33 04.139N	139 34.674E	1048		348	17.3	351	16.4	101	1.1	4226
110605	0	+09:00	33 05.509N	139 34.437E	720		348	16.8	352	16.7	97	1.3	4228
110605	5	+09:00	33 06.876N	139 34.227E	735		347	16.9	354	16.2	93	1.5	4229
110605	10	+09:00	33 08.266N	139 34.060E	976		348	16.8	356	17.2	68	2.2	4231
110605	15	+09:00	33 09.679N	139 33.922E	1189		348	16.2	355	16.8	77	2.2	4232
110605	20	+09:00	33 11.083N	139 33.814E	1273		348	16.9	355	17	77	2.4	4233
110605	25	+09:00	33 12.495N	139 33.716E	1284		348	16.5	357	17	80	2.6	4235
110605	30	+09:00	33 13.910N	139 33.647E	1286		348	17.1	358	16.9	79	2.8	4236
110605	35	+09:00	33 15.314N	139 33.567E	1213		347	16.9	356	17	82	3	4238
110605	40	+09:00	33 16.717N	139 33.442E	1028		346	16.5	359	17.5	71	3.1	4239
110605	45	+09:00	33 18.142N	139 33.277E	1270		341	16.6	352	17	66	3.3	4240
110605	50	+09:00	33 19.566N	139 33.029E	947		341	17.1	353	17.5	66	3.3	4242
110605	55	+09:00	33 20.987N	139 32.790E	0		340	16.8	352	17.8	72	3.4	4243
110605	100	+09:00	33 22.436N	139 32.550E	731		340	16.9	353	17.7	62	3.6	4245
110605	105	+09:00	33 23.905N	139 32.325E	474		341	16.8	354	17.6	60	3.9	4246
110605	110	+09:00	33 25.372N	139 32.111E	612		340	16.9	351	17.4	62	3.8	4248
110605	115	+09:00	33 26.876N	139 31.911E	0		342	16.6	352	18.6	57	4.3	4249
110605	120	+09:00	33 28.353N	139 31.712E	1356		340	16.8	354	17.8	62	4	4251
110605	125	+09:00	33 29.842N	139 31.513E	1494		341	16.8	352	18.2	58	4.2	4252
110605	130	+09:00	33 31.359N	139 31.292E	1588		340	16.8	354	17.9	54	4.2	4254
110605	135	+09:00	33 32.854N	139 31.024E	1610		341	17.1	355	18.7	50	3.3	4255
110605	140	+09:00	33 34.347N	139 30.701E	1633		341	16.6	348	18.1	46	3	4257
110605	145	+09:00	33 35.842N	139 30.367E	1664		341	16.9	350	18.3	47	2.9	4258
110605	150	+09:00	33 37.307N	139 30.027E	1680		341	16.5	349	17.6	52	2.5	4260
110605	155	+09:00	33 38.753N	139 29.640E	1691		341	16.6	346	17.8	49	1.8	4261
110605	200	+09:00	33 40.208N	139 29.227E	1694		340	17.5	346	17.4	51	1.8	4263
110605	205	+09:00	33 41.625N	139 28.815E	1689		347	16.8	349	18	33	1	4264
110605	210	+09:00	33 43.092N	139 28.521E	1665		352	17.3	353	18.1	15	1.2	4266
110605	215	+09:00	33 44.582N	139 28.366E	1670		356	16.9	358	17.6	19	1	4267
110605	220	+09:00	33 46.047N	139 28.286E	1696		356	16.6	0	17.5	3	0.6	4269
110605	225	+09:00	33 47.523N	139 28.178E	1696		357	17.3	356	17.6	345	0.6	4270
110605	230	+09:00	33 49.021N	139 28.055E	1646		357	17.3	358	18.4	342	1.3	4272
110605	235	+09:00	33 50.526N	139 27.931E	1590		357	16.8	357	18	347	1.4	4273
110605	240	+09:00	33 52.047N	139 27.809E	1277		358	16.8	357	18.6	351	1.5	4275
110605	245	+09:00	33 53.562N	139 27.697E	1327		357	16.6	357	18	350	1.2	4276
110605	250	+09:00	33 55.082N	139 27.602E	1255		356	17.3	358	18.3	3	1.4	4278
110605	255	+09:00	33 56.596N	139 27.514E	1010		356	17.1	355	17.7	10	0.8	4279
110605	300	+09:00	33 58.035N	139 27.319E	670		357	16.6	349	16.8	259	1.6	4281
110605	305	+09:00	33 59.440N	139 27.043E	662		356	17.1	351	17.2	268	1.7	4282
110605	307	+09:00	34 00.002N	139 26.929E	668		357	17.1	350	17.1	270	1.6	4283 PASSED 2a
110605	307	+09:00	34 00.129N	139 26.905E	664		354	17.1	352	17	262	1.6	4283 A/CO TO 345°
110605	310	+09:00	34 00.821N	139 26.615E	565		345	16.8	341	17.2	278	1.5	4284
110605	315	+09:00	34 02.156N	139 26.059E	386		344	17.3	340	15.8	202	1.7	4285
110605	320	+09:00	34 03.449N	139 25.560E	314		348	16.9	344	16.6	217	1.3	4286
110605	325	+09:00	34 04.800N	139 25.253E	299		349	17.1	352	16.8	85	1	4288
110605	327	+09:00	34 05.595N	139 25.182E	315		354	15.9	1	17.3	78	2.1	4289 A/CO TO 014°
110605	330	+09:00	34 06.217N	139 25.403E	316		14	16.8	19	18.8	57	2.2	4289
110605	335	+09:00	34 07.684N	139 25.923E	305		13	16.9	13	17.3	102	0.4	4291
110605	340	+09:00	34 09.063N	139 26.282E	285		13	16.9	12	17	319	0.4	4292
110605	345	+09:00	34 10.386N	139 26.588E	254		14	16.9	12	16	245	0.8	4293
110605	350	+09:00	34 11.695N	139 26.918E	334		14	16.8	12	16.1	227	0.9	4295
110605	355	+09:00	34 12.982N	139 27.281E	426		14	16.8	14	15.8	216	0.9	4296
110605	400	+09:00	34 14.265N	139 27.637E	449		14	17.3	15	15.4	203	1.4	4297
110605	405	+09:00	34 15.532N	139 28.024E	506		14	17.1	13	15.8	184	1	4299
110605	410	+09:00	34 16.793N	139 28.428E	502		14	16.5	12	15.9	184	1.4	4300
110605	415	+09:00	34 18.039N	139 28.817E	515		13	16.6	10	15.4	189	1.6	4301
110605	420	+09:00	34 19.285N	139 29.204E	581		14	16.9	14	15.7	179	1.3	4303
110605	425	+09:00	34 20.557N	139 29.609E	642		12	17.5	11	15.9	181	0.7	4304
110605	430	+09:00	34 21.865N	139 29.980E	638		14	17.1	14	16.4	198	0.6	4305
110605	430	+09:00	34 21.944N	139 30.004E	637		14	17.1	16	16.7	196	0.6	4305 SUNRISE & TURNED OFF REGULATION LIGHTS
110605	435	+09:00	34 23.195N	139 30.320E	588		13	16.6	12	16.4	206	0.7	4307
110605	440	+09:00	34 24.527N	139 30.676E	508		14	16.5	14	16.5	201	0.7	4308
110605	445	+09:00	34 25.846N	139 31.049E	452		13	16.9	12	16.3	194	0.8	4309
110605	450	+09:00	34 27.176N	139 31.430E	393		14	17.5	12	16.3	215	0.6	4311
110605	455	+09:00	34 28.485N	139 31.803E	350		13	17.3	12	16.2	212	0.5	4312



Working log: KH-11-4

DATE	TIME	TD	LAT	LONG	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110605	500	+09:00	34 29.802N	139 32.158E	200		13	17.1	14	15.9	240	0.6	4313
110605	505	+09:00	34 31.111N	139 32.526E	129		14	16.5	14	16.3	200	0.7	4315
110605	510	+09:00	34 32.412N	139 32.924E	170		14	16.8	14	15.9	184	1.1	4316
110605	515	+09:00	34 33.700N	139 33.319E	336		14	15.6	13	15.9	191	1.3	4317
110605	520	+09:00	34 34.973N	139 33.723E	688		14	17.1	16	15.7	182	1.1	4319
110605	525	+09:00	34 36.242N	139 34.113E	1004		13	16.8	13	15.7	189	1.3	4320
110605	530	+09:00	34 37.501N	139 34.502E	1264		14	16.9	16	15.6	182	1.2	4321
110605	535	+09:00	34 38.761N	139 34.915E	1222		14	16.5	14	15.7	180	1.4	4323
110605	540	+09:00	34 40.012N	139 35.320E	1449		14	16.6	16	15.5	180	1.2	4324
110605	545	+09:00	34 41.242N	139 35.737E	1830		14	16.2	17	15.6	176	1.4	4325
110605	550	+09:00	34 42.483N	139 36.148E	1848		16	16.8	15	15.1	188	1.6	4326
110605	555	+09:00	34 43.718N	139 36.525E	2060		11	16.9	14	15.1	176	1.5	4328
110605	600	+09:00	34 44.962N	139 36.852E	1962		11	16.8	13	15.4	181	1.8	4329
110605	601	+09:00	34 45.293N	139 36.938E	1936		12	16.3	12	15.5	180	1.6	4329 S/B ENG'S
110605	605	+09:00	34 46.128N	139 37.163E	1342		10	14.7	8	13.3	176	1.3	4330
110605	610	+09:00	34 47.204N	139 37.453E	1272		11	15	9	13.2	177	1.4	4331
110605	615	+09:00	34 48.293N	139 37.733E	828		11	15.2	14	13.5	181	1.4	4332
110605	620	+09:00	34 49.376N	139 38.029E	561		10	15.4	12	13.3	176	1.7	4333
110605	625	+09:00	34 50.453N	139 38.330E	481		10	14.8	13	13.2	172	1.6	4335
110605	630	+09:00	34 51.527N	139 38.634E	479		12	13.9	14	13.3	171	1.7	4336
110605	635	+09:00	34 52.606N	139 38.952E	696		10	15.6	13	13.4	169	1.7	4337
110605	640	+09:00	34 53.712N	139 39.266E	0		12	15.4	14	13.8	167	1.4	4338
110605	645	+09:00	34 54.818N	139 39.587E	327		10	15.2	14	13.5	165	1.8	4339
110605	650	+09:00	34 55.922N	139 39.932E	439		10	15.2	14	13.9	158	1.7	4340
110605	655	+09:00	34 57.020N	139 40.277E	0		10	15.2	16	13.7	160	1.7	4341
110605	700	+09:00	34 58.119N	139 40.623E	0		11	15.2	16	13.4	155	1.5	4342
110605	701	+09:00	34 58.480N	139 40.800E	0		28	14.5	33	13.7	143	1.2	4343 A/CO TO 027°
110605	705	+09:00	34 59.093N	139 41.246E	83		24	13.2	28	12.6	162	1.3	4344
110605	710	+09:00	35 00.032N	139 41.840E	80		24	13.3	27	13	169	0.9	4345
110605	715	+09:00	35 01.018N	139 42.416E	0		24	13.9	24	13.5	75	0.2	4346
110605	720	+09:00	35 02.023N	139 42.982E	494		26	12.4	28	12	224	0.3	4347
110605	725	+09:00	35 02.870N	139 43.466E	802		25	11.7	24	11.9	48	0.3	4348
110605	730	+09:00	35 03.784N	139 43.992E	362		25	11.7	24	12.3	40	0.3	4349
110605	735	+09:00	35 04.674N	139 44.509E	231		25	11	26	10.9	36	0.4	4350
110605	740	+09:00	35 05.496N	139 44.988E	0		25	10.4	26	11	44	0.5	4351
110605	745	+09:00	35 06.307N	139 45.468E	0		25	10.3	26	10.6	42	0.5	4352
110605	750	+09:00	35 07.104N	139 45.939E	0		25	10.3	26	10.7	42	0.8	4352
110605	753	+09:00	35 07.673N	139 46.271E	0		22	12.4	22	12.5	39	0.5	4353 USED HELM VAR'LY
110605	755	+09:00	35 07.997N	139 46.412E	0		16	13.7	17	13.7	81	0.3	4353
110605	800	+09:00	35 09.125N	139 46.793E	0		10	13.7	11	13.8	140	0.6	4355
110605	805	+09:00	35 10.244N	139 47.074E	0		10	13.8	11	13.7	139	0.5	4356
110605	810	+09:00	35 11.313N	139 47.339E	0		9	11.6	10	10.9	168	1	4357
110605	815	+09:00	35 12.226N	139 47.240E	0		348	12.2	350	11.5	156	0.6	4358
110605	817	+09:00	35 12.685N	139 47.123E	0		352	11.6	350	11	163	0.8	4358 ENTERED URAGA SUIDO TRAFFIC ROUTE
110605	820	+09:00	35 13.160N	139 47.107E	0		357	13	358	11.9	162	0.9	4359
110605	825	+09:00	35 14.158N	139 47.092E	0		359	12.7	359	11.9	181	1.3	4360
110605	830	+09:00	35 15.107N	139 47.067E	0		355	12	356	10.8	165	0.9	4361
110605	835	+09:00	35 15.860N	139 46.536E	0		330	11.4	330	10.9	150	0.9	4361
110605	840	+09:00	35 16.653N	139 45.935E	0		324	11.8	325	11	131	0.8	4362
110605	845	+09:00	35 17.408N	139 45.305E	0		325	11.6	326	11	128	0.6	4363
110605	850	+09:00	35 18.180N	139 44.633E	0		324	12.1	324	11.4	153	0.6	4364
110605	855	+09:00	35 18.966N	139 43.971E	0		11	9.3	6	10.1	298	1.1	4365
110605	855	+09:00	35 19.073N	139 44.008E	0		21	10.7	20	10.2	336	0.8	4365 CLEARED OUT URAGA SUIDO TRAFFIC ROUTE
110605	855	+09:00	35 19.081N	139 44.012E	0		21	10.8	20	10.2	336	0.8	4365 ENTERED NAKA-NO-SE TRAFFIC ROUTE
110605	900	+09:00	35 19.826N	139 44.330E	0		18	12.2	18	10.9	202	1.2	4366
110605	905	+09:00	35 20.692N	139 44.715E	0		22	12.2	21	11.2	200	0.9	4367
110605	910	+09:00	35 21.572N	139 45.129E	0		18	12.5	19	11.5	190	0.9	4368
110605	915	+09:00	35 22.480N	139 45.557E	0		21	12.4	22	11.9	188	0.3	4369
110605	920	+09:00	35 23.390N	139 46.015E	0		22	12.7	22	11.8	203	0.9	4370
110605	925	+09:00	35 24.287N	139 46.462E	0		23	12	22	11.5	213	0.6	4371
110605	925	+09:00	35 24.407N	139 46.520E	0		22	12.1	22	11.6	240	0.3	4371 CLEARED OUT NAKA-NO-SE TRAFFIC ROUTE
110605	930	+09:00	35 25.018N	139 47.151E	0		46	10.8	47	10.4	219	0.5	4372
110605	935	+09:00	35 25.640N	139 47.916E	0		43	10.8	42	11	199	0.1	4373
110605	940	+09:00	35 26.303N	139 48.664E	0		43	11.3	43	10.9	233	0.4	4373
110605	945	+09:00	35 26.974N	139 49.416E	0		42	11.4	43	10.9	220	0.2	4374
110605	950	+09:00	35 27.642N	139 50.174E	0		42	11.1	42	10.9	215	0.4	4375
110605	955	+09:00	35 28.312N	139 50.919E	0		42	11.3	42	10.8	237	0.6	4376
110605	1000	+09:00	35 29.003N	139 51.650E	0		42	11.3	40	11.2	256	0.4	4377
110605	1005	+09:00	35 29.806N	139 52.051E	0		354	12.5	354	11.8	155	0.4	4378
110605	1010	+09:00	35 30.690N	139 51.954E	0		355	11	356	10.4	161	0.6	4379
110605	1015	+09:00	35 31.439N	139 51.886E	0		357	5	358	3.7	171	0.9	4380
110605	1020	+09:00	35 31.765N	139 51.840E	0		356	8.7	356	8.6	173	0.2	4380
110605	1025	+09:00	35 32.598N	139 51.488E	0		308	13	306	12.3	165	0.5	4381
110605	1030	+09:00	35 33.170N	139 50.518E	0		309	12.4	308	11.6	158	0.9	4382
110605	1031	+09:00	35 33.391N	139 50.164E	0		308	12.4	306	11.6	148	0.9	4382 ENTERED TOKYO WEST PASSAGE
110605	1035	+09:00	35 33.727N	139 49.631E	0		311	10.1	308	9.2	166	0.6	4383
110605	1039	+09:00	35 34.061N	139 49.114E	0		311	6.8	308	6.6	197	0.4	4383 CHANGED ENG'S TO S/M
110605	1040	+09:00	35 34.074N	139 49.095E	0		311	7	308	6.9	201	0.4	4383
110605	1045	+09:00	35 34.559N	139 48.348E	0		308	11.9	308	10.9	115	0.7	4384
110605	1050	+09:00	35 35.202N	139 47.578E	0		318	11.5	318	10.7	137	0.9	4385
110605	1055	+09:00	35 35.880N	139 46.877E	0		323	11.5	324	10.8	146	0.7	4386
110605	1100	+09:00	35 36.623N	139 46.240E	0		325	11.4	325	10.9	142	0.6	4387
110605	1105	+09:00	35 37.445N	139 45.844E	0		355	11.3	356	10.4	159	0.4	4388
110605	1110	+09:00	35 38.163N	139 45.825E	0		21	7.3	20	7.4	22	0.2	4389
110605	1115	+09:00	35 38.580N	139 46.136E	0		41	3.6	40	3.6	223	0.4	4389
110605	1120	+09:00	35 38.685N	139 46.267E	0		93	0.6	174	0.6			4389
110605	1125	+09:00	35 38.747N	139 46.258E	0		209	0.1	29	1.3			4389
110605	1130	+09:00	35 38.785N	139 46.296E	0		135	0.1	13	0.3			4389

## Working log: KH-11-4

DATE	TIME	TD	LAT	LON	DEP	ST	GCO	LSPD	SCO	SSPD	CRT(S)	DIST	COMMENT
110605	1135	+09:00	35 38.792N	139 46.306E	0		134	0.1	331	0.1		4389	
110605	1140	+09:00	35 38.793N	139 46.309E	0		141	0.2	140	0		4389	
110605	1145	+09:00	35 38.793N	139 46.309E	0		141	0.2	4	0.1		4389	
110605	1150	+09:00	35 38.793N	139 46.309E	0		140	0.1	19	0.1		4389	
110605	1155	+09:00	35 38.793N	139 46.309E	0		140	0.1	358	0		4389	
110605	1200	+09:00	35 38.793N	139 46.309E	0		140	0.1	224	0.1		4389	
110605	1205	+09:00	35 38.793N	139 46.309E	0		140	0.1	181	0.1		4389	