

Table 1. Satellite navigation and course- and speed-change data used to generate Leg 123 trackline plots shown in Figures 1 through 10.

Date (1988)	Julian day	Time (UTC)	North		East		Distance (nmi)	speed (kt)	Actual course (deg)	Comments ^a
			latitude (deg)	(min)	longitude (deg)	(min)				
4 Sept	247	1907	-8	53.97	115	46.04	0.0	13.5	156	SN
4	247	1921	-8	56.90	115	47.30	3.2	13.4	159	c/cs
4	247	1931	-8	58.90	115	48.10	5.4	13.1	159	c/cs
4	247	1936	-8	60.00	115	48.50	6.5	13.0	158	c/cs
4	247	1941	-9	1.00	115	49.00	7.6	13.5	158	c/cs
4	247	1946	-9	2.00	115	49.40	8.7	13.5	159	c/cs
4	247	1951	-9	3.00	115	49.80	9.8	13.3	158	c/cs
4	247	2001	-9	5.10	115	50.70	12.0	13.8	158	c/cs
4	247	2006	-9	6.20	115	51.10	13.2	13.5	158	c/cs
4	247	2015	-9	8.00	115	51.80	15.2	14.5	156	c/cs
4	247	2020	-9	9.10	115	52.30	16.4	13.6	159	c/cs
4	247	2025	-9	10.20	115	52.80	17.5	13.6	158	c/cs
4	247	2030	-9	11.20	115	53.20	18.7	13.9	158	c/cs
4	247	2040	-9	13.40	115	54.10	21.0	13.6	158	c/cs
4	247	2045	-9	14.40	115	54.50	22.1	13.5	157	c/cs
4	247	2052	-9	15.90	115	55.10	23.7	11.2	154	SN
4	247	2055	-9	16.40	115	55.40	24.2	11.0	154	c/cs
4	247	2100	-9	17.20	115	55.80	25.2	11.2	154	c/cs
4	247	2110	-9	18.90	115	56.60	27.0	11.1	154	c/cs
4	247	2115	-9	19.70	115	57.00	28.0	11.4	154	c/cs
4	247	2125	-9	21.40	115	57.90	29.9	11.6	154	c/cs
4	247	2130	-9	22.30	115	58.30	30.8	11.1	154	c/cs
4	247	2140	-9	24.00	115	59.10	32.7	11.5	154	c/cs
4	247	2145	-9	24.80	115	59.50	33.7	11.3	154	c/cs
4	247	2204	-9	28.10	116	1.20	37.2	11.4	155	c/cs
4	247	2209	-9	28.90	116	1.60	38.2	11.0	154	c/cs
4	247	2219	-9	30.60	116	2.40	40.0	11.5	155	c/cs
4	247	2224	-9	31.40	116	2.80	41.0	11.4	154	c/cs
4	247	2234	-9	33.10	116	3.60	42.9	11.5	155	c/cs
4	247	2239	-9	34.00	116	4.00	43.8	11.4	155	c/cs
4	247	2249	-9	35.70	116	4.80	45.7	11.2	155	c/cs
4	247	2254	-9	36.60	116	5.20	46.7	11.3	155	c/cs
4	247	2304	-9	38.30	116	6.00	48.6	11.1	154	c/cs
4	247	2309	-9	39.10	116	6.40	49.5	11.4	154	c/cs
4	247	2319	-9	40.80	116	7.30	51.4	11.4	155	c/cs
4	247	2324	-9	41.70	116	7.70	52.3	11.2	154	c/cs
4	247	2343	-9	44.90	116	9.30	55.9	11.4	154	c/cs
4	247	2348	-9	45.70	116	9.70	56.8	11.2	154	c/cs
4	247	2358	-9	47.40	116	10.50	58.7	11.2	155	c/cs
5 Sept	248	0003	-9	48.30	116	10.90	59.6	11.4	154	c/cs
5	248	0013	-9	50.00	116	11.80	61.5	10.9	154	c/cs
5	248	0018	-9	50.80	116	12.20	62.4	11.1	154	c/cs
5	248	0028	-9	52.50	116	13.00	64.3	11.1	154	c/cs
5	248	0033	-9	53.30	116	13.40	65.2	11.3	155	c/cs
5	248	0043	-9	55.00	116	14.20	67.1	11.0	154	c/cs
5	248	0048	-9	55.90	116	14.60	68.0	11.0	154	c/cs

5	248	0053	-9	56.70	116	15.00	68.9	11.6	154	c/cs
5	248	0058	-9	57.60	116	15.40	69.9	11.1	154	c/cs
5	248	0103	-9	58.40	116	15.80	70.8	11.2	154	c/cs
5	248	0122	-10	1.60	116	17.40	74.4	11.5	155	c/cs
5	248	0127	-10	2.50	116	17.80	75.4	11.1	154	c/cs
5	248	0137	-10	4.10	116	18.60	77.2	11.5	155	c/cs
5	248	0142	-10	5.00	116	19.00	78.2	11.3	154	c/cs
5	248	0152	-10	6.70	116	19.90	80.1	10.5	155	c/cs
5	248	0157	-10	7.50	116	20.20	80.9	11.2	155	c/cs
5	248	0207	-10	9.20	116	21.00	82.8	11.3	154	c/cs
5	248	0212	-10	10.10	116	21.50	83.8	11.2	155	c/cs
5	248	0222	-10	11.70	116	22.20	85.6	11.3	154	c/cs
5	248	0227	-10	12.60	116	22.70	86.6	11.3	154	c/cs
5	248	0237	-10	14.30	116	23.50	88.4	11.5	155	c/cs
5	248	0242	-10	15.20	116	23.90	89.4	11.1	154	c/cs
5	248	0301	-10	18.30	116	25.40	92.9	11.1	155	c/cs
5	248	0306	-10	19.17	116	25.83	93.8	11.6	161	SN
5	248	0306	-10	19.20	116	25.80	93.8	11.9	161	c/cs
5	248	0316	-10	21.00	116	26.50	95.8	11.7	160	c/cs
5	248	0321	-10	22.00	116	26.80	96.8	11.8	160	c/cs
5	248	0331	-10	23.80	116	27.50	98.7	11.7	160	c/cs
5	248	0336	-10	24.70	116	27.90	99.7	11.5	159	c/cs
5	248	0341	-10	25.60	116	28.20	100.7	12.0	159	c/cs
5	248	0346	-10	26.60	116	28.60	101.7	11.9	160	c/cs
5	248	0351	-10	27.50	116	28.90	102.7	12.0	159	c/cs
5	248	0401	-10	29.30	116	29.60	104.7	11.7	159	c/cs
5	248	0406	-10	30.30	116	30.00	105.7	11.5	159	c/cs
5	248	0416	-10	32.10	116	30.70	107.6	11.7	160	c/cs
5	248	0421	-10	33.00	116	31.00	108.6	11.5	159	c/cs
5	248	0435	-10	35.50	116	32.00	111.2	11.8	159	c/cs
5	248	0440	-10	36.40	116	32.30	112.2	11.7	161	c/cs
5	248	0445	-10	37.30	116	32.60	113.2	11.7	159	c/cs
5	248	0455	-10	39.10	116	33.30	115.1	11.5	160	c/cs
5	248	0500	-10	40.10	116	33.70	116.1	11.4	156	c/cs
5	248	0505	-10	40.90	116	34.10	117.1	11.5	156	c/cs
5	248	0512	-10	42.10	116	34.60	118.4	11.4	156	c/cs
5	248	0522	-10	43.90	116	35.40	120.3	11.5	156	c/cs
5	248	0527	-10	44.80	116	35.80	121.3	11.4	156	c/cs
5	248	0541	-10	47.20	116	36.90	123.9	11.8	155	c/cs
5	248	0544	-10	47.72	116	37.20	124.5	11.9	158	SN
5	248	0546	-10	48.10	116	37.30	124.9	11.3	159	c/cs
5	248	0551	-10	49.00	116	37.70	125.8	11.5	159	c/cs
5	248	0601	-10	50.80	116	38.40	127.8	11.2	156	c/cs
5	248	0606	-10	51.60	116	38.80	128.7	11.2	157	c/cs
5	248	0616	-10	53.30	116	39.50	130.6	11.2	156	c/cs
5	248	0621	-10	54.20	116	39.90	131.5	11.3	156	c/cs
5	248	0631	-10	55.90	116	40.70	133.4	11.2	156	c/cs
5	248	0634	-10	56.39	116	40.94	133.9	13.5	155	SN
5	248	0636	-10	56.80	116	41.10	134.4	13.9	155	c/cs
5	248	0646	-10	58.90	116	42.10	136.7	13.6	156	c/cs
5	248	0651	-10	59.90	116	42.60	137.8	13.7	154	c/cs
5	248	0700	-11	1.78	116	43.50	139.9	10.6	145	GF
5	248	0701	-11	1.90	116	43.60	140.1	10.5	145	c/cs
5	248	0706	-11	2.60	116	44.10	140.9	10.6	145	c/cs

5	248	0725	-11	5.40	116	46.00	144.3	10.5	145	c/cs
5	248	0730	-11	6.10	116	46.60	145.2	10.6	145	c/cs
5	248	0740	-11	7.60	116	47.60	146.9	10.7	145	c/cs
5	248	0745	-11	8.30	116	48.10	147.8	10.1	145	c/cs
5	248	0750	-11	9.00	116	48.60	148.7	10.6	145	c/cs
5	248	0755	-11	9.70	116	49.10	149.5	10.6	145	c/cs
5	248	0800	-11	10.40	116	49.70	150.4	10.3	145	c/cs
5	248	0805	-11	11.10	116	50.20	151.3	10.4	150	c/cs
5	248	0808	-11	11.56	116	50.44	151.8	10.7	154	GF
5	248	0810	-11	11.90	116	50.60	152.2	11.0	154	c/cs
5	248	0815	-11	12.70	116	51.00	153.1	11.2	153	c/cs
5	248	0820	-11	13.50	116	51.40	154.0	10.7	153	c/cs
5	248	0825	-11	14.30	116	51.80	154.9	10.9	154	c/cs
5	248	0830	-11	15.20	116	52.30	155.8	10.9	153	c/cs
5	248	0840	-11	16.80	116	53.10	157.6	14.2	152	c/cs
5	248	0845	-11	17.80	116	53.60	158.8	15.3	151	c/cs
5	248	0850	-11	18.90	116	54.30	160.1	11.0	153	c/cs
5	248	0904	-11	21.20	116	55.50	162.7	11.5	154	c/cs
5	248	0909	-11	22.10	116	55.90	163.6	10.9	153	c/cs
5	248	0915	-11	23.07	116	56.39	164.7	11.5	152	GF
5	248	0919	-11	23.70	116	56.80	165.5	11.5	148	c/cs
5	248	0924	-11	24.60	116	57.30	166.4	11.6	148	c/cs
5	248	0934	-11	26.20	116	58.30	168.4	11.6	148	c/cs
5	248	0939	-11	27.00	116	58.90	169.3	11.6	148	c/cs
5	248	0949	-11	28.70	116	59.90	171.3	11.6	148	c/cs
5	248	0954	-11	29.50	117	0.50	172.2	11.6	147	c/cs
5	248	1000	-11	30.44	117	1.10	173.4	11.4	145	GF
5	248	1004	-11	31.10	117	1.50	174.2	11.4	146	c/cs
5	248	1009	-11	31.80	117	2.10	175.1	11.4	147	c/cs
5	248	1019	-11	33.40	117	3.10	177.0	11.5	146	c/cs
5	248	1024	-11	34.20	117	3.70	178.0	11.4	146	c/cs
5	248	1030	-11	35.18	117	4.33	179.1	11.8	146	GF
5	248	1034	-11	35.80	117	4.80	179.9	11.7	145	c/cs
5	248	1043	-11	37.30	117	5.80	181.6	11.7	146	c/cs
5	248	1048	-11	38.10	117	6.40	182.6	11.8	146	c/cs
5	248	1058	-11	39.70	117	7.50	184.6	11.8	147	c/cs
5	248	1103	-11	40.50	117	8.10	185.6	12.0	146	c/cs
5	248	1108	-11	41.35	117	8.64	186.6	11.7	145	GF
5	248	1113	-11	42.10	117	9.20	187.6	11.2	146	c/cs
5	248	1118	-11	42.90	117	9.80	188.5	11.4	146	c/cs
5	248	1128	-11	44.50	117	10.90	190.4	11.4	146	c/cs
5	248	1130	-11	44.80	117	11.07	190.8	11.4	146	GF
5	248	1133	-11	45.30	117	11.40	191.3	11.6	147	c/cs
5	248	1143	-11	46.90	117	12.50	193.3	11.6	148	c/cs
5	248	1148	-11	47.70	117	13.00	194.2	11.5	147	c/cs
5	248	1158	-11	49.30	117	14.10	196.1	11.4	148	c/cs
5	248	1200	-11	49.63	117	14.27	196.5	11.5	149	GF
5	248	1203	-11	50.10	117	14.60	197.1	11.5	150	c/cs
5	248	1222	-11	53.30	117	16.50	200.8	11.7	149	c/cs
5	248	1227	-11	54.10	117	17.00	201.7	11.7	149	c/cs
5	248	1230	-11	54.62	117	17.28	202.3	11.9	150	GF
5	248	1237	-11	55.80	117	18.00	203.7	11.8	151	c/cs
5	248	1242	-11	56.70	117	18.50	204.7	11.9	151	c/cs
5	248	1252	-11	58.40	117	19.50	206.7	11.8	151	c/cs

5	248	1257	-11	59.30	117	19.90	207.7	12.0	149	c/cs
5	248	1300	-11	59.80	117	20.25	208.3	11.5	149	GF
5	248	1307	-12	1.00	117	20.90	209.6	11.5	149	c/cs
5	248	1312	-12	1.80	117	21.50	210.6	11.3	149	c/cs
5	248	1322	-12	3.40	117	22.50	212.4	11.5	149	c/cs
5	248	1327	-12	4.20	117	23.00	213.4	11.8	148	c/cs
5	248	1330	-12	4.71	117	23.28	214.0	12.2	147	GF
5	248	1332	-12	5.10	117	23.50	214.4	11.7	147	c/cs
5	248	1337	-12	5.90	117	24.00	215.4	11.7	147	c/cs
5	248	1342	-12	6.70	117	24.60	216.4	11.8	146	c/cs
5	248	1400	-12	9.63	117	26.59	219.9	11.7	145	GF
5	248	1401	-12	9.80	117	26.70	220.1	11.8	145	c/cs
5	248	1406	-12	10.60	117	27.30	221.1	11.6	144	c/cs
5	248	1416	-12	12.20	117	28.40	223.0	11.7	146	c/cs
5	248	1421	-12	13.00	117	29.00	224.0	11.6	145	c/cs
5	248	1430	-12	14.39	117	30.03	225.7	11.6	144	GF
5	248	1431	-12	14.50	117	30.10	225.9	11.6	144	c/cs
5	248	1436	-12	15.30	117	30.70	226.9	11.8	145	c/cs
5	248	1446	-12	16.90	117	31.90	228.8	11.9	145	c/cs
5	248	1451	-12	17.70	117	32.50	229.8	11.6	145	c/cs
5	248	1500	-12	19.15	117	33.50	231.6	11.3	143	GF
5	248	1501	-12	19.30	117	33.60	231.7	11.4	144	c/cs
5	248	1506	-12	20.10	117	34.20	232.7	11.2	143	c/cs
5	248	1511	-12	20.80	117	34.80	233.6	11.7	144	c/cs
5	248	1516	-12	21.60	117	35.30	234.6	11.3	144	c/cs
5	248	1521	-12	22.40	117	35.90	235.6	11.6	143	c/cs
5	248	1530	-12	23.77	117	36.97	237.3	11.4	142	GF
5	248	1540	-12	25.30	117	38.20	239.2	11.2	142	c/cs
5	248	1545	-12	26.00	117	38.70	240.1	11.4	142	c/cs
5	248	1555	-12	27.50	117	39.90	242.0	11.4	142	c/cs
5	248	1600	-12	28.27	117	40.51	243.0	11.0	144	GF
5	248	1600	-12	28.30	117	40.50	243.0	11.1	144	c/cs
5	248	1610	-12	29.80	117	41.60	244.8	11.1	144	c/cs
5	248	1615	-12	30.50	117	42.20	245.7	11.0	144	c/cs
5	248	1625	-12	32.00	117	43.30	247.6	10.9	148	c/cs
5	248	1630	-12	32.80	117	43.80	248.5	10.6	148	c/cs
5	248	1632	-12	33.08	117	43.96	248.8	11.0	148	GF
5	248	1635	-12	33.60	117	44.30	249.4	11.5	149	c/cs
5	248	1640	-12	34.40	117	44.80	250.3	11.2	148	c/cs
5	248	1645	-12	35.20	117	45.30	251.3	11.3	148	c/cs
5	248	1655	-12	36.80	117	46.30	253.2	11.4	148	c/cs
5	248	1700	-12	37.60	117	46.80	254.1	11.3	149	c/cs
5	248	1710	-12	39.20	117	47.80	256.0	11.3	150	c/cs
5	248	1719	-12	40.70	117	48.60	257.7	11.3	151	c/cs
5	248	1724	-12	41.50	117	49.10	258.6	11.3	152	c/cs
5	248	1734	-12	43.10	117	50.00	260.5	11.3	152	c/cs
5	248	1739	-12	44.00	117	50.50	261.4	11.2	151	c/cs
5	248	1752	-12	46.10	117	51.70	263.9	11.4	151	c/cs
5	248	1757	-12	46.90	117	52.20	264.8	11.4	150	c/cs
5	248	1802	-12	47.70	117	52.70	265.8	11.0	151	c/cs
5	248	1820	-12	50.61	117	54.32	269.1	8.6	156	SN
5	248	1839	-12	53.10	117	55.50	271.8	4.6	188	c/cs
5	248	1847	-12	53.70	117	55.40	272.4	5.1	189	c/cs
5	248	1854	-12	54.30	117	55.30	273.0	5.2	189	c/cs

5	248	1925	-12	56.90	117	54.80	275.7	5.1	187	c/cs	
5	248	1943	-12	58.50	117	54.60	277.2	5.1	187	c/cs	
5	248	2006	-13	0.41	117	54.40	279.2	6.6	179	SN	
5	248	2013	-13	1.20	117	54.40	280.0	6.6	181	c/cs	
5	248	2027	-13	2.70	117	54.40	281.5	6.6	182	c/cs	
5	248	2057	-13	6.00	117	54.30	284.8	7.1	183	c/cs	
5	248	2102	-13	6.60	117	54.20	285.4	8.2	183	c/cs	
5	248	2132	-13	10.70	117	54.00	289.5	8.3	183	c/cs	
5	248	2202	-13	14.80	117	53.80	293.6	8.2	183	c/cs	
5	248	2232	-13	18.90	117	53.60	297.7	8.3	183	c/cs	
5	248	2302	-13	23.00	117	53.40	301.8	8.3	183	c/cs	
5	248	2332	-13	27.20	117	53.20	306.0	8.2	184	c/cs	
6	Sept	249	0000	-13	31.00	117	52.90	309.8	8.2	184	c/cs
6	249	0002	-13	31.30	117	52.90	310.1	8.2	184	c/cs	
6	249	0032	-13	35.40	117	52.70	314.2	8.2	184	c/cs	
6	249	0102	-13	39.50	117	52.40	318.3	8.2	184	c/cs	
6	249	0132	-13	43.50	117	52.10	322.4	8.1	184	c/cs	
6	249	0139	-13	44.50	117	52.10	323.3	8.1	184	c/cs	
6	249	0156	-13	46.80	117	51.90	325.6	8.1	184	c/cs	
6	249	0214	-13	49.19	117	51.74	328.0	8.3	186	SN	
6	249	0226	-13	50.80	117	51.50	329.7	8.3	186	c/cs	
6	249	0258	-13	55.20	117	51.00	334.1	8.3	186	c/cs	
6	249	0328	-13	59.40	117	50.60	338.3	8.3	186	c/cs	
6	249	0358	-14	3.50	117	50.07	342.4	8.2	186	SN	
6	249	0358	-14	3.50	117	50.10	342.4	8.2	186	c/cs	
6	249	0428	-14	7.60	117	49.60	346.6	8.3	186	c/cs	
6	249	0458	-14	11.70	117	49.10	350.7	8.3	186	c/cs	
6	249	0508	-14	13.12	117	48.96	352.1	8.3	188	GF	
6	249	0528	-14	15.90	117	48.50	354.9	8.3	188	c/cs	
6	249	0558	-14	19.90	117	47.90	359.0	8.2	188	c/cs	
6	249	0612	-14	21.84	117	47.63	360.9	8.1	187	SN	
6	249	0628	-14	24.00	117	47.40	363.1	8.2	187	c/cs	
6	249	0630	-14	24.30	117	47.30	363.4	8.1	187	c/cs	
6	249	0640	-14	25.60	117	47.20	364.7	8.1	184	c/cs	
6	249	0710	-14	29.70	117	46.80	368.8	8.1	184	c/cs	
6	249	0718	-14	30.75	117	46.77	369.9	8.0	182	GF	
6	249	0740	-14	33.70	117	46.60	372.8	8.0	182	c/cs	
6	249	0800	-14	36.34	117	46.52	375.5	8.1	180	GF	
6	249	0810	-14	37.70	117	46.50	376.8	8.2	181	c/cs	
6	249	0840	-14	41.80	117	46.40	380.9	8.0	182	c/cs	
6	249	0900	-14	44.44	117	46.35	383.6	8.2	183	GF	
6	249	0906	-14	45.30	117	46.30	384.4	8.2	185	c/cs	
6	249	0930	-14	48.55	117	46.01	387.7	8.6	184	GF	
6	249	0936	-14	49.40	117	45.90	388.6	8.6	183	c/cs	
6	249	1000	-14	52.84	117	45.75	392.0	8.6	183	GF	
6	249	1006	-14	53.70	117	45.70	392.9	8.6	183	c/cs	
6	249	1030	-14	57.12	117	45.52	396.3	8.9	183	GF	
6	249	1036	-14	58.00	117	45.50	397.2	8.8	183	c/cs	
6	249	1100	-15	1.51	117	45.27	400.7	8.7	183	GF	
6	249	1106	-15	2.40	117	45.20	401.6	8.7	184	c/cs	
6	249	1136	-15	6.70	117	44.90	405.9	8.8	184	c/cs	
6	249	1140	-15	7.29	117	44.85	406.5	8.8	186	GF	
6	249	1200	-15	10.22	117	44.55	409.4	8.4	185	GF	
6	249	1207	-15	11.20	117	44.50	410.4	8.4	185	c/cs	

6	249	1231	-15	14.50	117	44.20	413.8	8.1	185	c/cs	
6	249	1300	-15	18.43	117	43.85	417.7	7.7	184	GF	
6	249	1301	-15	18.60	117	43.80	417.8	7.8	184	c/cs	
6	249	1330	-15	22.31	117	43.60	421.6	7.9	181	GF	
6	249	1356	-15	25.70	117	43.50	425.0	7.9	184	c/cs	
6	249	1400	-15	26.26	117	43.48	425.5	8.2	184	GF	
6	249	1426	-15	29.80	117	43.20	429.0	8.2	184	c/cs	
6	249	1430	-15	30.34	117	43.17	429.6	8.1	184	GF	
6	249	1456	-15	33.80	117	42.90	433.1	8.2	185	c/cs	
6	249	1500	-15	34.39	117	42.89	433.7	8.3	185	GF	
6	249	1526	-15	38.00	117	42.60	437.2	8.3	185	c/cs	
6	249	1530	-15	38.52	117	42.53	437.8	8.4	185	GF	
6	249	1556	-15	42.10	117	42.20	441.4	8.3	184	c/cs	
6	249	1600	-15	42.68	117	42.14	442.0	8.4	185	GF	
6	249	1613	-15	44.50	117	42.00	443.8	8.5	185	c/cs	
6	249	1618	-15	45.20	117	41.90	444.5	8.4	185	c/cs	
6	249	1619	-15	45.30	117	41.90	444.7	8.8	186	c/cs	
6	249	1630	-15	46.95	117	41.72	446.3	8.7	184	GF	
6	249	1701	-15	51.40	117	41.40	450.8	7.6	204	c/cs	
6	249	1703	-15	51.70	117	41.30	451.0	7.9	213	c/cs	
6	249	1709	-15	52.33	117	40.81	451.8	8.2	226	GF	
6	249	1713	-15	52.70	117	40.40	452.4	8.3	225	c/cs	
6	249	1723	-15	53.70	117	39.40	453.7	8.5	225	c/cs	
6	249	1730	-15	54.40	117	38.66	454.7	8.5	227	GF	
6	249	1731	-15	54.50	117	38.60	454.9	6.5	227	c/cs	
6	249	1736	-15	54.90	117	38.10	455.4	5.8	228	c/cs	
6	249	1754	-15	56.00	117	36.80	457.2	5.7	227	c/cs	
6	249	1810	-15	57.10	117	35.70	458.7	5.6	219	c/cs	
6	249	1825	-15	58.20	117	34.80	460.1	5.6	219	c/cs	
6	249	1829	-15	58.40	117	34.50	460.4	5.7	222	c/cs	
6	249	1837	-15	59.00	117	34.00	461.2	5.7	224	c/cs	
6	249	1846	-15	59.60	117	33.40	462.0	5.1	249	c/cs	
6	249	1849	-15	59.70	117	33.10	462.3	5.4	251	c/cs	
6	249	1851	-15	59.80	117	32.90	462.5	5.2	221	c/cs	
6	249	1853	-15	59.90	117	32.80	462.6	4.2	194	c/cs	
6	249	1855	-16	0.00	117	32.80	462.8	2.4	155	c/cs	
6	249	1858	-16	0.10	117	32.80	462.9	1.3	54	c/cs	
6	249	1906	-16	0.00	117	33.00	463.1	2.1	46	c/cs	
6	249	1934	-15	59.30	117	33.70	464.1	2.1	44	c/cs	
6	249	1935	-15	59.30	117	33.80	464.1	2.0	41	c/cs	
6	249	2008	-15	58.50	117	34.51	465.2	4.0	47	S765	
6	249	2008	-15	58.50	117	34.50	465.2	0.0	90	c/cs	
17	Oct	290	1600	-15	58.50	117	34.51	465.2	2.1	81	S765
17		290	1607	-15	58.50	117	34.80	465.4	6.2	56	c/cs
17		290	1620	-15	57.70	117	35.90	466.8	6.4	67	c/cs
17		290	1630	-15	57.30	117	36.90	467.8	2.7	228	c/cs
17		290	1637	-15	57.50	117	36.70	468.2	3.6	230	c/cs
17		290	1700	-15	58.40	117	35.60	469.5	3.7	230	c/cs
17		290	1702	-15	58.47	117	35.50	469.7	7.5	235	SN
17		290	1730	-16	0.50	117	32.50	473.2	7.5	235	c/cs
17		290	1800	-16	2.60	117	29.30	476.9	7.0	235	c/cs
17		290	1801	-16	2.70	117	29.20	477.0	7.4	235	c/cs
17		290	1802	-16	2.78	117	29.10	477.2	7.7	235	SN
17		290	1813	-16	3.60	117	27.90	478.6	7.9	237	c/cs

17	290	1822	-16	4.20	117	26.90	479.8	7.8	237	c/cs	
17	290	1827	-16	4.60	117	26.30	480.4	8.1	236	c/cs	
17	290	1832	-16	5.00	117	25.70	481.1	8.8	237	c/cs	
17	290	1837	-16	5.40	117	25.10	481.8	9.7	237	c/cs	
17	290	1842	-16	5.80	117	24.40	482.6	9.9	237	c/cs	
17	290	1846	-16	6.20	117	23.80	483.3	10.9	238	c/cs	
17	290	1850	-16	6.56	117	23.16	484.0	11.1	240	SN	
17	290	1851	-16	6.70	117	23.00	484.2	10.9	240	c/cs	
17	290	1901	-16	7.60	117	21.40	486.0	11.4	240	c/cs	
17	290	1906	-16	8.00	117	20.50	487.0	11.5	240	c/cs	
17	290	1916	-16	9.00	117	18.80	488.9	11.2	240	c/cs	
17	290	1921	-16	9.50	117	17.90	489.8	11.1	240	c/cs	
17	290	1926	-16	9.90	117	17.10	490.7	10.6	240	c/cs	
17	290	1931	-16	10.40	117	16.30	491.6	11.0	241	c/cs	
17	290	1936	-16	10.80	117	15.50	492.5	11.4	240	c/cs	
17	290	1946	-16	11.80	117	13.80	494.4	11.1	240	c/cs	
17	290	1948	-16	11.98	117	13.44	494.8	11.1	238	SN	
17	290	1951	-16	12.30	117	12.90	495.4	11.2	237	c/cs	
17	290	2001	-16	13.30	117	11.30	497.2	11.5	237	c/cs	
17	290	2006	-16	13.80	117	10.50	498.2	11.0	238	c/cs	
17	290	2016	-16	14.80	117	8.90	500.0	11.2	238	c/cs	
17	290	2021	-16	15.30	117	8.00	501.0	10.8	237	c/cs	
17	290	2025	-16	15.70	117	7.40	501.7	10.9	238	c/cs	
17	290	2030	-16	16.20	117	6.60	502.6	11.4	237	c/cs	
17	290	2040	-16	17.20	117	4.90	504.5	11.3	237	c/cs	
17	290	2045	-16	17.70	117	4.10	505.4	10.9	237	c/cs	
17	290	2055	-16	18.70	117	2.50	507.2	11.4	238	c/cs	
17	290	2100	-16	19.20	117	1.70	508.2	11.0	237	c/cs	
17	290	2105	-16	19.70	117	0.90	509.1	11.6	238	c/cs	
17	290	2110	-16	20.20	117	0.00	510.1	11.1	238	c/cs	
17	290	2112	-16	20.42	116	59.72	510.5	11.2	237	SN	
17	290	2115	-16	20.70	116	59.20	511.0	11.4	237	c/cs	
17	290	2125	-16	21.80	116	57.60	512.9	11.1	237	c/cs	
17	290	2130	-16	22.30	116	56.80	513.8	11.4	238	c/cs	
17	290	2140	-16	23.30	116	55.10	515.7	11.3	238	c/cs	
17	290	2145	-16	23.80	116	54.30	516.7	11.0	237	c/cs	
17	290	2155	-16	24.80	116	52.70	518.5	11.0	237	c/cs	
17	290	2200	-16	25.30	116	51.90	519.4	11.2	237	c/cs	
17	290	2204	-16	25.70	116	51.20	520.2	11.2	237	c/cs	
17	290	2209	-16	26.20	116	50.40	521.1	11.2	237	c/cs	
17	290	2219	-16	27.30	116	48.80	523.0	11.3	238	c/cs	
17	290	2224	-16	27.80	116	47.90	523.9	11.1	237	c/cs	
17	290	2234	-16	28.80	116	46.30	525.8	11.3	238	c/cs	
17	290	2239	-16	29.30	116	45.50	526.7	11.1	237	c/cs	
17	290	2249	-16	30.30	116	43.80	528.6	11.3	238	c/cs	
17	290	2254	-16	30.80	116	43.00	529.5	11.4	238	c/cs	
17	290	2256	-16	30.97	116	42.68	529.9	11.0	240	SN	
17	290	2259	-16	31.30	116	42.20	530.5	10.5	239	c/cs	
17	290	2304	-16	31.70	116	41.40	531.3	10.6	239	c/cs	
17	290	2309	-16	32.20	116	40.60	532.2	11.1	240	c/cs	
17	290	2314	-16	32.60	116	39.80	533.2	11.0	239	c/cs	
18	Oct	291	0000	-16	37.00	116	32.20	541.6	10.8	243	c/cs
18		291	0010	-16	37.80	116	30.50	543.4	10.8	243	c/cs
18		291	0015	-16	38.20	116	29.70	544.3	11.2	243	c/cs

18	291	0020	-16	38.70	116	28.80	545.2	10.7	243	c/cs
18	291	0025	-16	39.10	116	28.00	546.1	10.5	243	c/cs
18	291	0030	-16	39.50	116	27.20	547.0	11.1	242	c/cs
18	291	0040	-16	40.30	116	25.50	548.9	10.5	243	c/cs
18	291	0049	-16	41.10	116	24.00	550.4	10.7	242	c/cs
18	291	0110	-16	42.80	116	20.60	554.2	10.8	242	c/cs
18	291	0147	-16	45.90	116	14.50	560.8	10.6	242	c/cs
18	291	0211	-16	47.90	116	10.60	565.1	10.7	241	c/cs
18	291	0215	-16	48.29	116	9.90	565.8	10.5	243	GF
18	291	0224	-16	49.00	116	8.40	567.4	10.4	244	c/cs
18	291	0237	-16	50.00	116	6.30	569.6	10.5	244	c/cs
18	291	0321	-16	53.40	115	59.20	577.3	10.6	244	c/cs
18	291	0334	-16	54.50	115	57.00	579.6	10.8	244	c/cs
18	291	0347	-16	55.50	115	54.80	581.9	10.7	244	c/cs
18	291	0412	-16	57.50	115	50.70	586.4	10.7	244	c/cs
18	291	0430	-16	58.91	115	47.66	589.6	10.7	247	GF
18	291	0432	-16	59.00	115	47.30	589.9	10.8	243	c/cs
18	291	0452	-17	0.70	115	44.00	593.5	10.7	242	c/cs
18	291	0500	-17	1.34	115	42.65	594.9	12.4	242	GF
18	291	0504	-17	1.70	115	41.90	595.8	12.3	242	c/cs
18	291	0518	-17	3.10	115	39.20	598.6	12.5	242	c/cs
18	291	0543	-17	5.60	115	34.50	603.8	12.3	242	c/cs
18	291	0548	-17	6.00	115	33.50	604.9	12.2	242	c/cs
18	291	0558	-17	7.00	115	31.60	606.9	12.5	243	c/cs
18	291	0600	-17	7.17	115	31.22	607.3	11.5	244	GF
18	291	0603	-17	7.40	115	30.70	607.9	11.1	241	c/cs
18	291	0613	-17	8.30	115	29.00	609.8	11.4	241	c/cs
18	291	0618	-17	8.80	115	28.10	610.7	11.5	241	c/cs
18	291	0628	-17	9.70	115	26.30	612.6	11.4	241	c/cs
18	291	0633	-17	10.20	115	25.50	613.6	11.5	241	c/cs
18	291	0643	-17	11.11	115	23.73	615.5	11.3	239	GF
18	291	0643	-17	11.10	115	23.70	615.5	10.9	240	c/cs
18	291	0648	-17	11.60	115	22.90	616.4	11.0	239	c/cs
18	291	0658	-17	12.50	115	21.30	618.2	10.8	240	c/cs
18	291	0703	-17	13.00	115	20.50	619.1	11.4	240	c/cs
18	291	0708	-17	13.40	115	19.60	620.1	10.6	240	c/cs
18	291	0712	-17	13.80	115	19.00	620.8	11.4	240	c/cs
18	291	0717	-17	14.30	115	18.10	621.7	10.9	240	c/cs
18	291	0722	-17	14.70	115	17.30	622.7	10.9	240	c/cs
18	291	0727	-17	15.20	115	16.50	623.6	10.7	240	c/cs
18	291	0732	-17	15.70	115	15.70	624.5	11.2	239	c/cs
18	291	0737	-17	16.10	115	14.80	625.4	11.3	239	c/cs
18	291	0742	-17	16.60	115	14.00	626.3	11.1	240	c/cs
18	291	0752	-17	17.60	115	12.30	628.2	11.3	239	c/cs
18	291	0757	-17	18.10	115	11.40	629.1	11.3	240	c/cs
18	291	0800	-17	18.34	115	10.94	629.7	11.4	238	GF
18	291	0807	-17	19.00	115	9.80	631.0	11.2	237	c/cs
18	291	0812	-17	19.60	115	8.90	632.0	11.4	238	c/cs
18	291	0822	-17	20.60	115	7.30	633.8	11.4	238	c/cs
18	291	0827	-17	21.10	115	6.40	634.8	11.3	237	c/cs
18	291	0837	-17	22.10	115	4.80	636.7	11.2	238	c/cs
18	291	0842	-17	22.60	115	3.90	637.6	11.0	237	c/cs
18	291	0852	-17	23.60	115	2.30	639.4	11.4	238	c/cs
18	291	0857	-17	24.10	115	1.50	640.4	11.3	238	c/cs

18	291	0900	-17	24.40	115	1.00	641.0	10.7	240	GF
18	291	0907	-17	25.00	114	59.90	642.2	10.8	240	c/cs
18	291	0912	-17	25.50	114	59.00	643.1	10.8	241	c/cs
18	291	0916	-17	25.80	114	58.40	643.8	10.6	240	c/cs
18	291	0921	-17	26.20	114	57.60	644.7	10.8	240	c/cs
18	291	0931	-17	27.10	114	56.00	646.5	10.6	240	c/cs
18	291	0936	-17	27.60	114	55.10	647.4	10.7	239	c/cs
18	291	0946	-17	28.50	114	53.50	649.2	10.2	240	c/cs
18	291	0951	-17	28.90	114	52.80	650.0	10.4	240	c/cs
18	291	1000	-17	29.70	114	51.35	651.6	11.1	240	GF
18	291	1001	-17	29.80	114	51.20	651.8	11.4	240	c/cs
18	291	1006	-17	30.30	114	50.30	652.7	10.9	241	c/cs
18	291	1016	-17	31.10	114	48.70	654.5	11.2	241	c/cs
18	291	1021	-17	31.60	114	47.80	655.5	11.2	241	c/cs
18	291	1031	-17	32.50	114	46.10	657.3	11.2	241	c/cs
18	291	1036	-17	32.90	114	45.20	658.2	11.1	240	c/cs
18	291	1043	-17	33.59	114	44.06	659.5	10.9	240	GF
18	291	1046	-17	33.90	114	43.60	660.1	10.6	240	c/cs
18	291	1051	-17	34.30	114	42.80	661.0	10.8	240	c/cs
18	291	1055	-17	34.70	114	42.10	661.7	10.4	241	c/cs
18	291	1100	-17	35.07	114	41.32	662.5	10.7	241	GF
18	291	1100	-17	35.10	114	41.30	662.5	11.3	240	c/cs
18	291	1110	-17	36.00	114	39.60	664.4	11.1	241	c/cs
18	291	1115	-17	36.50	114	38.80	665.4	11.3	241	c/cs
18	291	1125	-17	37.40	114	37.10	667.2	11.2	241	c/cs
18	291	1130	-17	37.90	114	36.20	668.2	11.1	241	c/cs
18	291	1140	-17	38.80	114	34.50	670.0	11.3	241	c/cs
18	291	1145	-17	39.20	114	33.70	670.9	10.7	241	c/cs
18	291	1150	-17	39.60	114	32.80	671.8	11.3	241	c/cs
18	291	1155	-17	40.10	114	32.00	672.8	11.4	241	c/cs
18	291	1200	-17	40.58	114	31.10	673.7	11.6	240	GF
18	291	1200	-17	40.60	114	31.10	673.7	11.1	240	c/cs
18	291	1210	-17	41.50	114	29.40	675.6	11.4	239	c/cs
18	291	1215	-17	42.00	114	28.60	676.5	11.5	240	c/cs
18	291	1220	-17	42.50	114	27.70	677.5	10.9	239	c/cs
18	291	1225	-17	42.90	114	26.90	678.4	11.7	240	c/cs
18	291	1230	-17	43.40	114	26.00	679.4	11.0	240	c/cs
18	291	1234	-17	43.80	114	25.30	680.1	11.5	240	c/cs
18	291	1239	-17	44.20	114	24.50	681.0	11.5	240	c/cs
18	291	1249	-17	45.20	114	22.70	683.0	11.6	240	c/cs
18	291	1254	-17	45.70	114	21.80	683.9	11.5	240	c/cs
18	291	1300	-17	46.25	114	20.80	685.1	11.4	238	GF
18	291	1304	-17	46.60	114	20.10	685.8	11.4	238	c/cs
18	291	1309	-17	47.20	114	19.30	686.8	11.2	238	c/cs
18	291	1319	-17	48.20	114	17.60	688.6	11.2	238	c/cs
18	291	1324	-17	48.70	114	16.80	689.6	11.6	237	c/cs
18	291	1329	-17	49.20	114	16.00	690.5	11.0	238	c/cs
18	291	1334	-17	49.70	114	15.10	691.5	10.9	238	c/cs
18	291	1339	-17	50.20	114	14.30	692.4	11.2	238	c/cs
18	291	1349	-17	51.20	114	12.70	694.2	11.6	238	c/cs
18	291	1354	-17	51.70	114	11.80	695.2	11.6	238	c/cs
18	291	1400	-17	52.29	114	10.81	696.3	11.0	238	GF
18	291	1404	-17	52.70	114	10.20	697.1	10.5	239	c/cs
18	291	1409	-17	53.10	114	9.40	697.9	10.5	238	c/cs

18	291	1413	-17	53.50	114	8.70	698.6	10.4	239	c/cs
18	291	1418	-17	54.00	114	8.00	699.5	10.7	239	c/cs
18	291	1428	-17	54.00	114	6.40	701.3	10.7	239	c/cs
18	291	1433	-17	55.30	114	5.60	702.2	10.4	238	c/cs
18	291	1438	-17	55.80	114	4.80	703.0	11.1	238	c/cs
18	291	1443	-17	56.30	114	4.00	704.0	10.7	239	c/cs
18	291	1448	-17	56.80	114	3.20	704.9	10.5	238	c/cs
18	291	1453	-17	57.20	114	2.40	705.7	11.0	238	c/cs
18	291	1458	-17	57.70	114	1.60	706.7	11.0	239	c/cs
18	291	1500	-17	57.91	114	1.24	707.0	13.3	233	GF
18	291	1503	-17	58.30	114	0.70	707.7	12.9	233	c/cs
18	291	1513	-17	59.60	113	58.90	709.8	12.9	233	c/cs
18	291	1518	-18	0.20	113	58.00	710.9	13.0	233	c/cs
18	291	1528	-18	1.60	113	56.20	713.1	12.9	233	c/cs
18	291	1533	-18	2.20	113	55.30	714.1	12.6	233	c/cs
18	291	1536	-18	2.58	113	54.74	714.8	11.6	236	SN
18	291	1538	-18	2.80	113	54.40	715.2	12.1	236	c/cs
18	291	1543	-18	3.40	113	53.50	716.2	11.8	235	c/cs
18	291	1548	-18	3.90	113	52.70	717.2	11.7	236	c/cs
18	291	1552	-18	4.40	113	52.00	717.9	11.7	236	c/cs
18	291	1557	-18	4.90	113	51.10	718.9	11.9	236	c/cs
18	291	1607	-18	6.00	113	49.40	720.9	12.0	235	c/cs
18	291	1612	-18	6.60	113	48.50	721.9	12.0	235	c/cs
18	291	1622	-18	7.80	113	46.80	723.9	11.7	236	c/cs
18	291	1627	-18	8.30	113	46.00	724.9	11.6	236	c/cs
18	291	1637	-18	9.40	113	44.30	726.8	12.1	235	c/cs
18	291	1642	-18	10.00	113	43.40	727.8	11.4	235	c/cs
18	291	1652	-18	11.10	113	41.80	729.7	11.6	236	c/cs
18	291	1657	-18	11.60	113	40.90	730.7	12.0	236	c/cs
18	291	1707	-18	12.70	113	39.20	732.7	11.3	235	c/cs
18	291	1712	-18	13.30	113	38.40	733.7	11.8	235	c/cs
18	291	1722	-18	14.40	113	36.70	735.6	12.0	236	c/cs
18	291	1727	-18	15.00	113	35.80	736.6	12.0	235	c/cs
18	291	1731	-18	15.40	113	35.10	737.4	11.8	236	c/cs
18	291	1736	-18	16.00	113	34.20	738.4	11.7	235	c/cs
18	291	1738	-18	16.19	113	33.90	738.8	11.6	236	SN
18	291	1746	-18	17.10	113	32.50	740.4	11.9	237	c/cs
18	291	1751	-18	17.60	113	31.70	741.3	11.5	236	c/cs
18	291	1756	-18	18.10	113	30.80	742.3	12.2	237	c/cs
18	291	1801	-18	18.70	113	29.90	743.3	11.6	238	c/cs
18	291	1806	-18	19.20	113	29.10	744.3	11.6	238	c/cs
18	291	1816	-18	20.20	113	27.40	746.2	11.8	238	c/cs
18	291	1821	-18	20.80	113	26.50	747.2	11.5	238	c/cs
18	291	1826	-18	21.30	113	25.60	748.1	11.0	238	c/cs
18	291	1831	-18	21.80	113	24.80	749.1	11.8	238	c/cs
18	291	1836	-18	22.30	113	24.00	750.0	11.3	237	c/cs
18	291	1841	-18	22.80	113	23.10	751.0	12.1	237	c/cs
18	291	1846	-18	23.30	113	22.20	752.0	11.4	238	c/cs
18	291	1851	-18	23.90	113	21.40	752.9	11.5	237	c/cs
18	291	1901	-18	24.90	113	19.70	754.9	11.4	237	c/cs
18	291	1906	-18	25.40	113	18.90	755.8	11.8	237	c/cs
18	291	1910	-18	25.90	113	18.20	756.6	11.7	237	c/cs
18	291	1915	-18	26.40	113	17.30	757.6	11.6	237	c/cs
18	291	1925	-18	27.40	113	15.60	759.5	11.5	238	c/cs

18	291	1926	-18	27.55	113	15.43	759.7	11.3	240	SN	
18	291	1930	-18	27.90	113	14.70	760.5	11.4	240	c/cs	
18	291	1940	-18	28.90	113	13.00	762.3	11.4	240	c/cs	
18	291	1945	-18	29.40	113	12.10	763.3	11.7	241	c/cs	
18	291	1955	-18	30.30	113	10.40	765.2	11.3	241	c/cs	
18	291	2000	-18	30.80	113	9.50	766.2	11.5	241	c/cs	
18	291	2010	-18	31.70	113	7.70	768.1	11.4	241	c/cs	
18	291	2015	-18	32.10	113	6.80	769.1	11.4	242	c/cs	
18	291	2025	-18	33.00	113	5.10	770.9	11.5	242	c/cs	
18	291	2030	-18	33.50	113	4.20	771.9	11.8	241	c/cs	
18	291	2040	-18	34.40	113	2.40	773.9	11.5	242	c/cs	
18	291	2045	-18	34.90	113	1.50	774.8	11.8	242	c/cs	
18	291	2049	-18	35.20	113	0.70	775.6	12.0	242	c/cs	
18	291	2050	-18	35.33	113	0.55	775.8	11.5	242	SN	
18	291	2054	-18	35.70	112	59.80	776.6	10.8	241	c/cs	
18	291	2104	-18	36.60	112	58.20	778.4	11.4	241	c/cs	
18	291	2109	-18	37.00	112	57.30	779.3	10.5	241	c/cs	
18	291	2114	-18	37.40	112	56.50	780.2	11.1	241	c/cs	
18	291	2119	-18	37.90	112	55.60	781.1	11.2	241	c/cs	
18	291	2124	-18	38.30	112	54.80	782.1	11.0	241	c/cs	
18	291	2134	-18	39.20	112	53.10	783.9	11.1	242	c/cs	
18	291	2139	-18	39.70	112	52.20	784.8	11.1	241	c/cs	
18	291	2149	-18	40.60	112	50.50	786.7	11.3	243	c/cs	
18	291	2154	-18	41.00	112	49.60	787.6	11.3	241	c/cs	
18	291	2204	-18	41.90	112	47.90	789.5	11.0	241	c/cs	
18	291	2209	-18	42.40	112	47.00	790.4	11.1	242	c/cs	
18	291	2219	-18	43.20	112	45.30	792.3	10.9	242	c/cs	
18	291	2224	-18	43.70	112	44.50	793.2	11.2	241	c/cs	
18	291	2228	-18	44.00	112	43.80	793.9	11.2	242	c/cs	
18	291	2233	-18	44.50	112	42.90	794.8	11.2	241	c/cs	
18	291	2236	-18	44.73	112	42.40	795.4	11.6	244	SN	
18	291	2243	-18	45.30	112	41.10	796.8	11.7	244	c/cs	
18	291	2248	-18	45.70	112	40.20	797.7	11.6	244	c/cs	
18	291	2258	-18	46.60	112	38.30	799.7	11.8	245	c/cs	
18	291	2303	-18	47.00	112	37.40	800.7	11.8	245	c/cs	
18	291	2313	-18	47.80	112	35.50	802.6	11.7	244	c/cs	
18	291	2318	-18	48.20	112	34.60	803.6	11.6	244	c/cs	
18	291	2328	-18	49.10	112	32.70	805.5	11.6	244	c/cs	
18	291	2332	-18	49.41	112	32.00	806.3	11.1	242	SN	
18	291	2333	-18	49.50	112	31.80	806.5	11.1	242	c/cs	
18	291	2343	-18	50.40	112	30.10	808.3	11.2	242	c/cs	
18	291	2348	-18	50.80	112	29.20	809.3	11.1	241	c/cs	
18	291	2358	-18	51.70	112	27.50	811.1	11.0	240	c/cs	
19	Oct	292	0003	-18	52.10	112	26.70	812.0	11.0	240	c/cs
19		292	0007	-18	52.50	112	26.00	812.8	11.0	240	c/cs
19		292	0012	-18	53.00	112	25.20	813.7	11.1	240	c/cs
19		292	0022	-18	53.90	112	23.50	815.5	11.0	240	c/cs
19		292	0027	-18	54.30	112	22.60	816.5	11.1	240	c/cs
19		292	0037	-18	55.30	112	20.90	818.3	11.0	240	c/cs
19		292	0042	-18	55.70	112	20.10	819.2	10.9	240	c/cs
19		292	0052	-18	56.60	112	18.40	821.0	10.5	240	c/cs
19		292	0057	-18	57.10	112	17.60	821.9	11.0	240	c/cs
19		292	0107	-18	58.00	112	15.90	823.8	10.9	240	c/cs
19		292	0112	-18	58.40	112	15.10	824.7	10.7	240	c/cs

19	292	0116	-18	58.79	112	14.46	825.4	11.0	240	SN
19	292	0122	-18	59.30	112	13.50	826.5	10.7	240	c/cs
19	292	0127	-18	59.80	112	12.60	827.4	11.1	240	c/cs
19	292	0136	-19	0.64	112	11.12	829.0	10.1	236	SN
19	292	0137	-19	0.70	112	11.00	829.2	10.0	236	c/cs
19	292	0142	-19	1.20	112	10.20	830.0	10.1	236	c/cs
19	292	0146	-19	1.60	112	9.70	830.7	10.0	236	c/cs
19	292	0151	-19	2.00	112	8.90	831.5	10.1	237	c/cs
19	292	0200	-19	2.86	112	7.58	833.1	11.2	242	GF
19	292	0201	-19	2.90	112	7.40	833.2	11.1	241	c/cs
19	292	0206	-19	3.40	112	6.50	834.2	11.2	242	c/cs
19	292	0216	-19	4.30	112	4.80	836.0	11.1	241	c/cs
19	292	0221	-19	4.70	112	3.90	837.0	11.2	241	c/cs
19	292	0231	-19	5.60	112	2.20	838.8	11.5	240	c/cs
19	292	0236	-19	6.10	112	1.30	839.8	11.1	241	c/cs
19	292	0246	-19	7.00	111	59.60	841.6	11.1	241	c/cs
19	292	0251	-19	7.50	111	58.80	842.6	11.5	240	c/cs
19	292	0310	-19	9.30	111	55.40	846.2	11.1	241	c/cs
19	292	0315	-19	9.70	111	54.60	847.1	11.4	241	c/cs
19	292	0322	-19	10.36	111	53.32	848.5	10.8	239	SN
19	292	0325	-19	10.60	111	52.80	849.0	10.8	239	c/cs
19	292	0330	-19	11.10	111	52.00	849.9	10.9	239	c/cs
19	292	0340	-19	12.10	111	50.40	851.7	10.7	239	c/cs
19	292	0345	-19	12.50	111	49.60	852.6	10.8	239	c/cs
19	292	0355	-19	13.50	111	47.90	854.4	10.9	239	c/cs
19	292	0400	-19	13.90	111	47.10	855.3	10.8	239	c/cs
19	292	0419	-19	15.70	111	44.00	858.8	11.0	239	c/cs
19	292	0424	-19	16.20	111	43.20	859.7	10.5	239	c/cs
19	292	0429	-19	16.60	111	42.40	860.6	11.0	238	c/cs
19	292	0430	-19	16.74	111	42.23	860.7	10.9	238	GF
19	292	0434	-19	17.10	111	41.60	861.5	11.0	238	c/cs
19	292	0439	-19	17.60	111	40.80	862.4	10.7	238	c/cs
19	292	0449	-19	18.60	111	39.20	864.2	10.8	238	c/cs
19	292	0454	-19	19.10	111	38.40	865.1	10.7	237	c/cs
19	292	0500	-19	19.64	111	37.41	866.1	10.7	238	GF
19	292	0504	-19	20.00	111	36.80	866.8	10.8	239	c/cs
19	292	0509	-19	20.50	111	35.90	867.7	11.0	239	c/cs
19	292	0519	-19	21.40	111	34.30	869.6	10.6	237	c/cs
19	292	0524	-19	21.90	111	33.50	870.5	10.4	237	c/cs
19	292	0530	-19	22.46	111	32.57	871.5	11.1	238	GF
19	292	0534	-19	22.90	111	31.90	872.2	11.1	238	c/cs
19	292	0539	-19	23.30	111	31.10	873.2	11.3	238	c/cs
19	292	0544	-19	23.80	111	30.20	874.1	10.8	239	c/cs
19	292	0549	-19	24.30	111	29.40	875.0	11.6	238	c/cs
19	292	0558	-19	25.20	111	27.90	876.7	11.1	239	c/cs
19	292	0600	-19	25.44	111	27.53	877.1	10.9	239	GF
19	292	0618	-19	27.10	111	24.60	880.4	11.2	238	c/cs
19	292	0628	-19	28.10	111	22.90	882.2	11.0	238	c/cs
19	292	0633	-19	28.60	111	22.10	883.2	11.1	238	c/cs
19	292	0643	-19	29.60	111	20.40	885.0	11.4	237	c/cs
19	292	0648	-19	30.10	111	19.60	886.0	11.3	238	c/cs
19	292	0658	-19	31.10	111	17.90	887.8	11.4	238	c/cs
19	292	0700	-19	31.30	111	17.52	888.2	11.3	237	GF
19	292	0703	-19	31.60	111	17.00	888.8	11.2	236	c/cs

19	292	0713	-19	32.60	111	15.40	890.6	11.3	237	c/cs
19	292	0718	-19	33.10	111	14.50	891.6	11.0	236	c/cs
19	292	0725	-19	33.86	111	13.40	892.9	11.3	236	GF
19	292	0737	-19	35.10	111	11.40	895.1	10.9	237	c/cs
19	292	0742	-19	35.60	111	10.60	896.0	11.3	237	c/cs
19	292	0752	-19	36.60	111	8.90	897.9	11.4	237	c/cs
19	292	0757	-19	37.20	111	8.10	898.9	11.2	236	c/cs
19	292	0800	-19	37.48	111	7.60	899.4	11.1	237	GF
19	292	0807	-19	38.20	111	6.50	900.7	11.2	237	c/cs
19	292	0812	-19	38.70	111	5.60	901.6	10.9	237	c/cs
19	292	0822	-19	39.70	111	4.00	903.5	11.2	237	c/cs
19	292	0827	-19	40.20	111	3.20	904.4	11.0	237	c/cs
19	292	0830	-19	40.48	111	2.70	904.9	10.5	233	GF
19	292	0837	-19	41.20	111	1.70	906.1	10.8	234	c/cs
19	292	0842	-19	41.70	111	0.90	907.0	10.6	236	c/cs
19	292	0852	-19	42.70	110	59.30	908.8	10.4	235	c/cs
19	292	0857	-19	43.20	110	58.60	909.7	10.4	236	c/cs
19	292	0900	-19	43.53	110	58.14	910.2	10.7	235	GF
19	292	0911	-19	44.70	110	56.40	912.2	11.0	235	c/cs
19	292	0916	-19	45.20	110	55.60	913.1	10.9	235	c/cs
19	292	0921	-19	45.70	110	54.80	914.0	11.2	234	c/cs
19	292	0930	-19	46.68	110	53.38	915.7	10.9	236	GF
19	292	0931	-19	46.80	110	53.20	915.9	10.8	237	c/cs
19	292	0936	-19	47.30	110	52.40	916.8	10.4	237	c/cs
19	292	0946	-19	48.20	110	50.90	918.5	10.8	236	c/cs
19	292	0951	-19	48.70	110	50.10	919.4	10.8	237	c/cs
19	292	1000	-19	49.59	110	48.62	921.0	11.0	238	GF
19	292	1001	-19	49.70	110	48.50	921.2	10.5	240	c/cs
19	292	1006	-19	50.10	110	47.60	922.1	10.8	239	c/cs
19	292	1019	-19	51.30	110	45.50	924.4	10.9	239	c/cs
19	292	1024	-19	51.80	110	44.70	925.3	10.8	239	c/cs
19	292	1030	-19	52.33	110	43.69	926.4	12.0	239	GF
19	292	1034	-19	52.70	110	43.00	927.2	12.1	239	c/cs
19	292	1039	-19	53.30	110	42.00	928.2	12.0	239	c/cs
19	292	1100	-19	55.43	110	38.21	932.4	8.1	242	GF
19	292	1106	-19	55.80	110	37.40	933.2	7.3	252	c/cs
19	292	1107	-19	55.80	110	37.30	933.3	8.0	273	c/cs
19	292	1108	-19	55.80	110	37.20	933.5	7.4	273	c/cs
19	292	1115	-19	55.80	110	36.30	934.3	3.6	268	c/cs
19	292	1124	-19	55.80	110	35.70	934.9	5.1	273	c/cs
19	292	1125	-19	55.81	110	35.60	935.0	6.7	272	GF
19	292	1138	-19	55.80	110	34.10	936.4	6.5	266	c/cs
19	292	1140	-19	55.78	110	33.83	936.6	6.2	265	GF
19	292	1150	-19	55.87	110	32.73	937.7	6.3	266	GF
19	292	1157	-19	55.90	110	31.90	938.4	6.4	268	c/cs
19	292	1200	-19	55.93	110	31.61	938.7	7.1	270	GF
19	292	1205	-19	55.93	110	30.98	939.3	5.3	266	GF
19	292	1210	-19	55.96	110	30.51	939.8	6.4	269	GF
19	292	1220	-19	55.97	110	29.38	940.8	6.1	271	GF
19	292	1227	-19	56.00	110	28.60	941.5	6.1	269	c/cs
19	292	1230	-19	55.97	110	28.30	941.8	5.9	269	GF
19	292	1240	-19	55.98	110	27.25	942.8	5.6	269	GF
19	292	1246	-19	56.00	110	26.60	943.4	5.6	268	c/cs
19	292	1249	-19	56.00	110	26.40	943.7	5.7	268	c/cs

19	292	1250	-19	56.00	110	26.25	943.8	5.9	269	GF	
19	292	1300	-19	56.01	110	25.21	944.7	0.7	230	GF	
19	292	1310	-19	56.09	110	25.11	944.9	0.5	70	GF	
19	292	1310	-19	56.10	110	25.10	944.9	13.4	85	c/cs	
19	292	1319	-19	55.92	110	27.24	946.9	7.9	92	S766	
19	292	1319	-19	55.90	110	27.20	946.9	0.0	90	c/cs	
26	Oct	299	0255	-19	55.92	110	27.24	946.9	4.0	188	S766
26		299	0259	-19	56.20	110	27.20	947.1	7.3	176	c/cs
26		299	0306	-19	57.00	110	27.30	948.0	9.1	173	c/cs
26		299	0322	-19	59.40	110	27.60	950.4	9.4	184	c/cs
26		299	0351	-20	3.96	110	27.23	954.9	7.2	183	GF
26		299	0352	-20	4.10	110	27.20	955.1	6.5	180	c/cs
26		299	0400	-20	4.94	110	27.22	955.9	4.7	162	GF
26		299	0401	-20	5.00	110	27.20	956.0	5.0	136	c/cs
26		299	0402	-20	5.10	110	27.30	956.1	5.1	95	c/cs
26		299	0404	-20	5.10	110	27.50	956.3	6.6	69	c/cs
26		299	0410	-20	4.90	110	28.10	956.9	6.9	66	c/cs
26		299	0417	-20	4.53	110	28.93	957.7	6.6	61	GF
26		299	0430	-20	3.83	110	30.26	959.2	6.9	63	GF
26		299	0444	-20	3.10	110	31.80	960.8	6.9	62	c/cs
26		299	0445	-20	3.05	110	31.90	960.9	6.9	62	GF
26		299	0500	-20	2.25	110	33.52	962.6	7.4	60	GF
26		299	0511	-20	1.58	110	34.78	964.0	4.5	53	GF
26		299	0511	-20	1.60	110	34.80	964.0	4.6	35	c/cs
26		299	0512	-20	1.50	110	34.80	964.0	4.7	2	c/cs
26		299	0513	-20	1.40	110	34.80	964.1	5.6	331	c/cs
26		299	0514	-20	1.40	110	34.80	964.2	6.1	306	c/cs
26		299	0515	-20	1.30	110	34.70	964.3	6.1	270	c/cs
26		299	0519	-20	1.30	110	34.30	964.7	7.0	271	c/cs
26		299	0535	-20	1.25	110	32.28	966.6	7.5	270	GF
26		299	0546	-20	1.30	110	30.80	968.0	7.5	271	c/cs
26		299	0600	-20	1.24	110	28.95	969.7	7.7	270	GF
26		299	0615	-20	1.24	110	26.90	971.6	6.5	285	GF
26		299	0616	-20	1.20	110	26.80	971.7	6.5	318	c/cs
26		299	0617	-20	1.10	110	26.70	971.9	6.0	350	c/cs
26		299	0619	-20	0.90	110	26.70	972.1	6.7	13	c/cs
26		299	0627	-20	0.06	110	26.89	973.0	7.1	16	GF
26		299	0632	-19	59.50	110	27.10	973.5	7.2	18	c/cs
26		299	0645	-19	58.00	110	27.60	975.1	7.1	5	c/cs
26		299	0646	-19	57.90	110	27.60	975.2	7.5	353	c/cs
26		299	0647	-19	57.80	110	27.60	975.4	7.2	341	c/cs
26		299	0651	-19	57.30	110	27.40	975.8	7.7	344	c/cs
26		299	0653	-19	57.06	110	27.32	976.1	7.7	336	GF
26		299	0657	-19	56.60	110	27.10	976.6	7.8	336	c/cs
26		299	0720	-19	53.88	110	25.79	979.6	8.2	336	GF
26		299	0729	-19	52.80	110	25.30	980.8	8.2	336	c/cs
26		299	0738	-19	51.60	110	24.70	982.0	8.1	336	c/cs
26		299	0741	-19	51.27	110	24.55	982.4	8.0	340	GF
26		299	0749	-19	50.30	110	24.20	983.5	8.3	339	c/cs
26		299	0750	-19	50.10	110	24.10	983.6	4.7	338	c/cs
26		299	0759	-19	49.50	110	23.80	984.3	8.1	342	c/cs
26		299	0804	-19	48.80	110	23.60	985.0	9.5	337	c/cs
26		299	0809	-19	48.10	110	23.30	985.8	10.1	337	c/cs
26		299	0819	-19	46.60	110	22.60	987.5	11.3	338	c/cs

26	299	0824	-19	45.70	110	22.20	988.4	11.3	335	c/cs
26	299	0834	-19	44.00	110	21.40	990.3	11.4	334	c/cs
26	299	0839	-19	43.20	110	20.90	991.2	11.4	334	c/cs
26	299	0858	-19	39.90	110	19.20	994.9	11.6	334	c/cs
26	299	0903	-19	39.00	110	18.80	995.8	11.6	334	c/cs
26	299	0913	-19	37.30	110	17.90	997.8	11.4	334	c/cs
26	299	0918	-19	36.50	110	17.40	998.7	11.3	334	c/cs
26	299	0928	-19	34.70	110	16.60	1000.6	11.3	333	c/cs
26	299	0930	-19	34.41	110	16.39	1001.0	13.0	336	GF
26	299	0933	-19	33.80	110	16.10	1001.6	13.0	337	c/cs
26	299	0943	-19	31.80	110	15.20	1003.8	13.1	336	c/cs
26	299	0948	-19	30.80	110	14.80	1004.9	13.2	336	c/cs
26	299	0958	-19	28.80	110	13.80	1007.1	13.3	336	c/cs
26	299	1000	-19	28.41	110	13.62	1007.5	12.3	332	GF
26	299	1003	-19	27.90	110	13.30	1008.1	12.1	332	c/cs
26	299	1013	-19	26.10	110	12.30	1010.1	11.9	332	c/cs
26	299	1018	-19	25.20	110	11.80	1011.1	12.3	332	c/cs
26	299	1030	-19	23.06	110	10.57	1013.6	12.9	331	GF
26	299	1037	-19	21.70	110	9.80	1015.1	12.7	333	c/cs
26	299	1042	-19	20.80	110	9.30	1016.2	12.9	333	c/cs
26	299	1047	-19	19.80	110	8.80	1017.2	12.4	332	c/cs
26	299	1052	-19	18.90	110	8.20	1018.3	13.0	333	c/cs
26	299	1057	-19	18.00	110	7.70	1019.4	12.9	333	c/cs
26	299	1100	-19	17.39	110	7.40	1020.0	13.5	332	GF
26	299	1107	-19	16.00	110	6.60	1021.6	13.3	333	c/cs
26	299	1112	-19	15.00	110	6.10	1022.7	13.3	333	c/cs
26	299	1120	-19	13.42	110	5.25	1024.5	12.0	334	GF
26	299	1122	-19	13.10	110	5.10	1024.9	12.2	334	c/cs
26	299	1127	-19	12.10	110	4.60	1025.9	12.0	334	c/cs
26	299	1131	-19	11.40	110	4.20	1026.7	12.1	334	c/cs
26	299	1136	-19	10.50	110	3.70	1027.7	12.2	334	c/cs
26	299	1146	-19	8.70	110	2.80	1029.7	12.3	334	c/cs
26	299	1151	-19	7.80	110	2.30	1030.8	12.3	334	c/cs
26	299	1200	-19	6.09	110	1.50	1032.6	12.8	334	GF
26	299	1201	-19	5.90	110	1.40	1032.8	12.3	333	c/cs
26	299	1206	-19	5.00	110	0.90	1033.8	12.8	333	c/cs
26	299	1216	-19	3.10	109	59.90	1036.0	12.7	333	c/cs
26	299	1221	-19	2.10	109	59.40	1037.0	12.6	333	c/cs
26	299	1230	-19	0.44	109	58.50	1038.9	12.4	334	GF
26	299	1231	-19	0.30	109	58.40	1039.1	12.7	334	c/cs
26	299	1236	-18	59.30	109	57.90	1040.2	12.7	334	c/cs
26	299	1246	-18	57.40	109	56.90	1042.3	12.6	334	c/cs
26	299	1251	-18	56.50	109	56.50	1043.3	12.7	334	c/cs
26	299	1300	-18	54.74	109	55.59	1045.3	13.0	334	GF
26	299	1301	-18	54.50	109	55.50	1045.5	13.1	334	c/cs
26	299	1306	-18	53.60	109	55.00	1046.6	13.1	334	c/cs
26	299	1315	-18	51.80	109	54.10	1048.5	12.8	334	c/cs
26	299	1320	-18	50.80	109	53.60	1049.6	13.3	334	c/cs
26	299	1325	-18	49.80	109	53.10	1050.7	12.8	334	c/cs
26	299	1330	-18	48.87	109	52.60	1051.8	12.4	334	GF
26	299	1330	-18	48.90	109	52.60	1051.8	12.4	334	c/cs
26	299	1340	-18	47.00	109	51.70	1053.8	12.6	335	c/cs
26	299	1345	-18	46.10	109	51.20	1054.9	12.4	334	c/cs
26	299	1355	-18	44.20	109	50.20	1056.9	12.2	334	c/cs

26	299	1400	-18	43.28	109	49.78	1058.0	12.4	335	DR
26	299	1400	-18	43.30	109	49.80	1058.0	12.5	335	c/cs
26	299	1410	-18	41.40	109	48.90	1060.0	12.6	335	c/cs
26	299	1415	-18	40.40	109	48.40	1061.1	12.6	335	c/cs
26	299	1425	-18	38.50	109	47.50	1063.2	12.6	335	c/cs
26	299	1430	-18	37.60	109	47.00	1064.2	12.5	335	c/cs
26	299	1440	-18	35.70	109	46.10	1066.3	12.6	335	c/cs
26	299	1445	-18	34.70	109	45.60	1067.4	12.6	335	c/cs
26	299	1449	-18	34.00	109	45.20	1068.2	12.4	335	c/cs
26	299	1454	-18	33.00	109	44.80	1069.3	12.3	335	c/cs
26	299	1500	-18	31.92	109	44.23	1070.5	12.0	336	DR
26	299	1504	-18	31.20	109	43.90	1071.3	12.1	336	c/cs
26	299	1509	-18	30.30	109	43.50	1072.3	12.2	336	c/cs
26	299	1519	-18	28.40	109	42.60	1074.3	12.1	336	c/cs
26	299	1524	-18	27.50	109	42.20	1075.3	12.1	336	c/cs
26	299	1534	-18	25.60	109	41.30	1077.4	12.3	336	c/cs
26	299	1539	-18	24.70	109	40.90	1078.4	12.2	336	c/cs
26	299	1549	-18	22.80	109	40.00	1080.4	12.2	336	c/cs
26	299	1554	-18	21.90	109	39.60	1081.4	12.2	336	c/cs
26	299	1604	-18	20.00	109	38.70	1083.5	12.2	336	c/cs
26	299	1609	-18	19.10	109	38.30	1084.5	12.1	336	c/cs
26	299	1619	-18	17.20	109	37.40	1086.5	12.3	336	c/cs
26	299	1624	-18	16.30	109	37.00	1087.5	12.3	336	c/cs
26	299	1628	-18	15.60	109	36.70	1088.4	12.4	336	c/cs
26	299	1633	-18	14.60	109	36.20	1089.4	12.1	335	c/cs
26	299	1643	-18	12.80	109	35.30	1091.4	12.5	337	c/cs
26	299	1648	-18	11.80	109	34.90	1092.5	12.1	336	c/cs
26	299	1653	-18	10.90	109	34.50	1093.5	12.6	337	c/cs
26	299	1658	-18	9.90	109	34.10	1094.5	12.4	336	c/cs
26	299	1703	-18	9.00	109	33.60	1095.5	12.3	336	c/cs
26	299	1713	-18	7.10	109	32.70	1097.6	12.5	336	c/cs
26	299	1718	-18	6.10	109	32.30	1098.6	12.3	336	c/cs
26	299	1728	-18	4.30	109	31.40	1100.7	12.3	336	c/cs
26	299	1733	-18	3.30	109	31.00	1101.7	12.5	336	c/cs
26	299	1743	-18	1.40	109	30.10	1103.8	12.1	336	c/cs
26	299	1748	-18	0.50	109	29.70	1104.8	12.3	336	c/cs
26	299	1758	-17	58.60	109	28.80	1106.9	12.4	336	c/cs
26	299	1803	-17	57.70	109	28.40	1107.9	12.2	336	c/cs
26	299	1807	-17	56.90	109	28.00	1108.7	12.4	336	c/cs
26	299	1812	-17	56.00	109	27.60	1109.7	12.1	335	c/cs
26	299	1822	-17	54.20	109	26.70	1111.8	12.5	336	c/cs
26	299	1827	-17	53.20	109	26.30	1112.8	12.4	335	c/cs
26	299	1837	-17	51.30	109	25.40	1114.9	12.3	336	c/cs
26	299	1842	-17	50.40	109	24.90	1115.9	12.4	335	c/cs
26	299	1852	-17	48.50	109	24.00	1118.0	11.7	339	SN
26	299	1857	-17	47.60	109	23.70	1118.9	11.4	339	c/cs
26	299	1907	-17	45.80	109	23.00	1120.8	11.7	340	c/cs
26	299	1912	-17	44.90	109	22.60	1121.8	11.5	339	c/cs
26	299	1922	-17	43.10	109	21.90	1123.7	11.8	339	c/cs
26	299	1927	-17	42.20	109	21.50	1124.7	11.6	339	c/cs
26	299	1937	-17	40.40	109	20.80	1126.6	11.6	338	c/cs
26	299	1942	-17	39.50	109	20.40	1127.6	11.8	339	c/cs
26	299	1946	-17	38.80	109	20.10	1128.4	11.5	339	c/cs

26	299	1951	-17	37.90	109	19.70	1129.3	11.5	339	c/cs	
26	299	2001	-17	36.10	109	19.00	1131.2	11.3	339	c/cs	
26	299	2006	-17	35.20	109	18.70	1132.2	11.5	339	c/cs	
26	299	2016	-17	33.50	109	17.90	1134.1	11.7	338	c/cs	
26	299	2021	-17	32.60	109	17.60	1135.1	11.6	339	c/cs	
26	299	2031	-17	30.80	109	16.80	1137.0	11.4	338	c/cs	
26	299	2036	-17	29.90	109	16.40	1137.9	11.3	339	c/cs	
26	299	2046	-17	28.10	109	15.70	1139.8	11.6	338	c/cs	
26	299	2051	-17	27.20	109	15.40	1140.8	11.5	339	c/cs	
26	299	2101	-17	25.40	109	14.60	1142.7	11.6	339	c/cs	
26	299	2106	-17	24.50	109	14.30	1143.7	11.6	339	c/cs	
26	299	2116	-17	22.70	109	13.50	1145.6	11.3	339	c/cs	
26	299	2121	-17	21.80	109	13.20	1146.6	11.6	339	c/cs	
26	299	2122	-17	21.66	109	13.10	1146.8	12.0	335	SN	
26	299	2125	-17	21.10	109	12.80	1147.3	11.9	335	c/cs	
26	299	2130	-17	20.20	109	12.40	1148.3	12.1	335	c/cs	
26	299	2140	-17	18.40	109	11.50	1150.4	12.0	331	c/cs	
26	299	2145	-17	17.50	109	11.00	1151.4	11.9	332	c/cs	
26	299	2155	-17	15.80	109	10.00	1153.3	11.9	332	c/cs	
26	299	2200	-17	14.90	109	9.60	1154.3	12.0	331	c/cs	
26	299	2210	-17	13.10	109	8.60	1156.3	11.9	332	c/cs	
26	299	2215	-17	12.20	109	8.10	1157.3	12.2	332	c/cs	
26	299	2225	-17	10.50	109	7.10	1159.3	12.0	332	c/cs	
26	299	2230	-17	9.60	109	6.60	1160.4	12.1	332	c/cs	
26	299	2240	-17	7.80	109	5.60	1162.4	11.8	332	c/cs	
26	299	2245	-17	6.90	109	5.10	1163.4	11.9	332	c/cs	
26	299	2255	-17	5.20	109	4.10	1165.3	11.9	332	c/cs	
26	299	2300	-17	4.30	109	3.60	1166.3	12.1	332	c/cs	
26	299	2304	-17	3.60	109	3.30	1167.1	11.6	332	c/cs	
26	299	2309	-17	2.70	109	2.80	1168.1	11.9	332	c/cs	
26	299	2319	-17	1.00	109	1.80	1170.1	12.2	332	c/cs	
26	299	2324	-17	0.10	109	1.30	1171.1	12.1	331	c/cs	
26	299	2334	-16	58.30	109	0.30	1173.1	12.0	332	c/cs	
26	299	2339	-16	57.40	108	59.80	1174.1	12.0	332	c/cs	
27	Oct	300	0001	-16	53.50	108	57.70	1178.5	11.9	332	c/cs
27		300	0010	-16	52.00	108	56.80	1180.3	11.8	332	c/cs
27		300	0015	-16	51.10	108	56.30	1181.3	12.0	332	c/cs
27		300	0019	-16	50.40	108	55.90	1182.1	12.0	332	c/cs
27		300	0024	-16	49.50	108	55.40	1183.1	12.0	332	c/cs
27		300	0029	-16	48.60	108	54.90	1184.1	11.8	333	c/cs
27		300	0030	-16	48.44	108	54.83	1184.3	12.4	335	GF
27		300	0043	-16	46.00	108	53.60	1187.0	12.4	334	c/cs
27		300	0052	-16	44.30	108	52.80	1188.8	12.8	334	c/cs
27		300	0057	-16	43.40	108	52.30	1189.9	12.5	333	c/cs
27		300	0111	-16	40.80	108	50.90	1192.8	12.0	333	c/cs
27		300	0116	-16	39.90	108	50.50	1193.8	12.6	334	c/cs
27		300	0121	-16	38.90	108	50.00	1194.9	12.6	333	c/cs
27		300	0130	-16	37.26	108	49.08	1196.8	12.6	331	GF
27		300	0131	-16	37.10	108	49.00	1197.0	12.4	332	c/cs
27		300	0136	-16	36.20	108	48.50	1198.0	12.1	332	c/cs
27		300	0141	-16	35.30	108	48.00	1199.0	12.6	332	c/cs
27		300	0146	-16	34.30	108	47.50	1200.1	12.6	332	c/cs
27		300	0151	-16	33.40	108	47.00	1201.1	12.3	332	c/cs
27		300	0201	-16	31.60	108	46.00	1203.2	12.4	332	c/cs

27	300	0206	-16	30.70	108	45.40	1204.2	12.3	331	c/cs
27	300	0216	-16	28.90	108	44.40	1206.3	12.5	332	c/cs
27	300	0221	-16	27.90	108	43.90	1207.3	12.7	332	c/cs
27	300	0231	-16	26.10	108	42.90	1209.4	12.6	332	c/cs
27	300	0236	-16	25.10	108	42.40	1210.5	12.6	332	c/cs
27	300	0246	-16	23.29	108	41.34	1212.6	12.4	328	SN
27	300	0246	-16	23.30	108	41.30	1212.6	12.1	328	c/cs
27	300	0255	-16	21.80	108	40.30	1214.4	12.3	329	c/cs
27	300	0300	-16	20.90	108	39.80	1215.4	12.2	328	c/cs
27	300	0310	-16	19.10	108	38.70	1217.4	12.6	329	c/cs
27	300	0315	-16	18.20	108	38.10	1218.5	12.4	328	c/cs
27	300	0325	-16	16.50	108	37.00	1220.6	12.2	329	c/cs
27	300	0330	-16	15.60	108	36.50	1221.6	12.0	328	c/cs
27	300	0340	-16	13.90	108	35.40	1223.6	12.1	328	c/cs
27	300	0345	-16	13.10	108	34.80	1224.6	12.2	329	c/cs
27	300	0355	-16	11.30	108	33.70	1226.6	12.3	328	c/cs
27	300	0400	-16	10.44	108	33.15	1227.6	12.8	331	SN
27	300	0400	-16	10.40	108	33.10	1227.6	13.1	331	c/cs
27	300	0405	-16	9.50	108	32.60	1228.7	12.9	333	c/cs
27	300	0410	-16	8.50	108	32.10	1229.8	12.9	335	c/cs
27	300	0415	-16	7.60	108	31.60	1230.9	12.7	334	c/cs
27	300	0430	-16	4.70	108	30.18	1234.0	13.2	330	GF
27	300	0434	-16	3.90	108	29.70	1234.9	13.2	330	c/cs
27	300	0435	-16	3.70	108	29.60	1235.1	13.1	330	c/cs
27	300	0449	-16	1.10	108	28.00	1238.2	13.5	331	c/cs
27	300	0450	-16	0.90	108	27.90	1238.4	12.9	330	c/cs
27	300	0455	-15	59.96	108	27.38	1239.5	12.3	329	GF
27	300	0459	-15	59.30	108	26.90	1240.3	12.8	330	c/cs
27	300	0504	-15	58.30	108	26.40	1241.4	12.9	330	c/cs
27	300	0505	-15	58.10	108	26.30	1241.6	12.8	330	c/cs
27	300	0515	-15	56.30	108	25.15	1243.7	13.1	329	GF
27	300	0519	-15	55.50	108	24.70	1244.6	13.1	330	c/cs
27	300	0520	-15	55.40	108	24.60	1244.8	13.0	331	c/cs
27	300	0530	-15	53.46	108	23.48	1247.0	13.3	330	GF
27	300	0534	-15	52.70	108	23.00	1247.9	13.4	330	c/cs
27	300	0539	-15	51.70	108	22.40	1249.0	13.8	330	c/cs
27	300	0544	-15	50.70	108	21.80	1250.2	13.3	330	c/cs
27	300	0549	-15	49.80	108	21.30	1251.3	13.3	330	c/cs
27	300	0554	-15	48.80	108	20.70	1252.4	13.4	330	c/cs
27	300	0600	-15	47.67	108	19.97	1253.7	12.9	331	GF
27	300	0608	-15	46.20	108	19.10	1255.4	13.0	333	c/cs
27	300	0613	-15	45.20	108	18.60	1256.5	12.8	333	c/cs
27	300	0618	-15	44.30	108	18.10	1257.6	12.9	333	c/cs
27	300	0628	-15	42.30	108	17.10	1259.7	13.1	333	c/cs
27	300	0630	-15	41.96	108	16.85	1260.2	13.0	333	GF
27	300	0633	-15	41.40	108	16.50	1260.8	13.1	334	c/cs
27	300	0638	-15	40.40	108	16.00	1261.7	12.7	333	c/cs
27	300	0643	-15	39.50	108	15.50	1263.7	12.8	334	c/cs
27	300	0648	-15	38.50	108	15.10	1264.0	12.8	332	c/cs
27	300	0658	-15	36.60	108	14.00	1266.2	12.7	333	c/cs
27	300	0700	-15	36.23	108	13.83	1266.6	12.3	334	GF
27	300	0703	-15	35.70	108	13.60	1267.2	12.3	334	c/cs
27	300	0713	-15	33.80	108	12.60	1269.3	12.4	334	c/cs
27	300	0718	-15	32.90	108	12.20	1270.3	12.5	334	c/cs

27	300	0728	-15	31.00	108	11.20	1272.4	12.4	333	c/cs
27	300	0730	-15	30.65	108	11.03	1272.8	12.5	334	GF
27	300	0733	-15	30.10	108	10.70	1273.4	12.4	334	c/cs
27	300	0752	-15	26.60	108	8.90	1277.3	12.3	334	c/cs
27	300	0757	-15	25.60	108	8.50	1278.4	12.6	335	c/cs
27	300	0800	-15	25.06	108	8.19	1279.0	12.7	335	GF
27	300	0807	-15	23.70	108	7.50	1280.5	12.7	335	c/cs
27	300	0812	-15	22.70	108	7.10	1281.6	12.6	334	c/cs
27	300	0822	-15	20.90	108	6.10	1283.6	12.6	334	c/cs
27	300	0825	-15	20.29	108	5.87	1284.3	12.1	335	GF
27	300	0827	-15	19.90	108	5.70	1284.7	12.3	335	c/cs
27	300	0837	-15	18.10	108	4.80	1286.7	12.6	335	c/cs
27	300	0842	-15	17.10	108	4.30	1287.8	12.3	335	c/cs
27	300	0852	-15	15.30	108	3.40	1289.8	12.4	335	c/cs
27	300	0857	-15	14.30	108	3.00	1290.9	12.3	335	c/cs
27	300	0900	-15	13.77	108	2.70	1291.5	13.5	328	GF
27	300	0907	-15	12.40	108	1.80	1293.1	13.8	328	c/cs
27	300	0912	-15	11.50	108	1.20	1294.2	13.5	327	c/cs
27	300	0930	-15	8.06	107	58.95	1298.2	11.9	343	GF
27	300	0931	-15	7.90	107	58.90	1298.4	11.9	344	c/cs
27	300	0936	-15	6.90	107	58.60	1299.4	12.0	343	c/cs
27	300	0946	-15	5.00	107	58.00	1301.4	11.9	343	c/cs
27	300	0951	-15	4.10	107	57.70	1302.4	11.9	342	c/cs
27	300	1000	-15	2.36	107	57.13	1304.2	12.5	335	GF
27	300	1001	-15	2.20	107	57.00	1304.4	12.4	336	c/cs
27	300	1002	-15	2.00	107	57.00	1304.6	12.5	335	c/cs
27	300	1016	-14	59.30	107	55.70	1307.5	12.4	335	c/cs
27	300	1021	-14	58.40	107	55.20	1308.6	12.6	335	c/cs
27	300	1030	-14	56.68	107	54.39	1310.5	12.8	333	GF
27	300	1031	-14	56.50	107	54.30	1310.7	12.6	334	c/cs
27	300	1036	-14	55.50	107	53.80	1311.7	12.4	333	c/cs
27	300	1046	-14	53.70	107	52.80	1313.8	12.7	333	c/cs
27	300	1051	-14	52.70	107	52.40	1314.9	12.5	333	c/cs
27	300	1100	-14	51.07	107	51.48	1316.7	12.5	333	GF
27	300	1100	-14	51.10	107	51.50	1316.7	12.7	333	c/cs
27	300	1110	-14	49.20	107	50.50	1318.9	12.8	333	c/cs
27	300	1115	-14	48.20	107	50.00	1319.9	12.8	334	c/cs
27	300	1119	-14	47.50	107	49.60	1320.8	12.9	334	c/cs
27	300	1124	-14	46.50	107	49.10	1321.8	12.4	333	c/cs
27	300	1130	-14	45.41	107	48.52	1323.1	12.5	334	GF
27	300	1134	-14	44.70	107	48.10	1323.9	12.6	334	c/cs
27	300	1139	-14	43.70	107	47.70	1325.0	12.7	335	c/cs
27	300	1149	-14	41.80	107	46.70	1327.1	12.9	334	c/cs
27	300	1154	-14	40.80	107	46.20	1328.2	12.6	334	c/cs
27	300	1200	-14	39.70	107	45.65	1329.4	12.9	335	GF
27	300	1204	-14	38.90	107	45.30	1330.3	12.8	336	c/cs
27	300	1209	-14	37.90	107	44.80	1331.4	12.9	335	c/cs
27	300	1219	-14	36.00	107	43.90	1333.5	13.0	336	c/cs
27	300	1224	-14	35.00	107	43.40	1334.6	12.8	335	c/cs
27	300	1225	-14	34.82	107	43.34	1334.8	12.3	337	GF
27	300	1234	-14	33.10	107	42.60	1336.7	12.6	337	c/cs
27	300	1235	-14	32.90	107	42.50	1336.9	12.3	337	c/cs
27	300	1244	-14	31.20	107	41.80	1338.7	12.3	335	c/cs
27	300	1249	-14	30.30	107	41.30	1339.7	12.3	333	c/cs

27	300	1254	-14	29.40	107	40.80	1340.7	12.4	333	c/cs
27	300	1258	-14	28.60	107	40.50	1341.6	12.3	334	c/cs
27	300	1300	-14	28.28	107	40.28	1342.0	12.4	335	GF
27	300	1303	-14	27.70	107	40.00	1342.6	12.6	334	c/cs
27	300	1313	-14	25.80	107	39.10	1344.7	12.7	334	c/cs
27	300	1318	-14	24.90	107	38.60	1345.8	12.6	334	c/cs
27	300	1328	-14	23.00	107	37.70	1347.9	12.4	336	c/cs
27	300	1333	-14	22.00	107	37.20	1348.9	12.3	335	c/cs
27	300	1343	-14	20.20	107	36.30	1351.0	12.2	335	c/cs
27	300	1348	-14	19.20	107	35.90	1352.0	12.4	335	c/cs
27	300	1358	-14	17.40	107	35.00	1354.0	11.9	335	c/cs
27	300	1403	-14	16.50	107	34.60	1355.0	12.3	335	c/cs
27	300	1413	-14	14.60	107	33.70	1357.1	12.5	335	c/cs
27	300	1418	-14	13.60	107	33.20	1358.1	12.3	335	c/cs
27	300	1428	-14	11.80	107	32.40	1360.2	12.2	335	c/cs
27	300	1433	-14	10.90	107	31.90	1361.2	12.3	335	c/cs
27	300	1437	-14	10.10	107	31.60	1362.0	11.8	334	c/cs
27	300	1442	-14	9.20	107	31.10	1363.0	12.9	335	c/cs
27	300	1443	-14	9.03	107	31.03	1363.2	13.1	335	SN
27	300	1447	-14	8.20	107	30.70	1364.1	12.2	335	c/cs
27	300	1452	-14	7.30	107	30.20	1365.1	12.6	335	c/cs
27	300	1457	-14	6.40	107	29.80	1366.2	12.4	335	c/cs
27	300	1507	-14	4.50	107	28.90	1368.2	12.8	335	c/cs
27	300	1512	-14	3.50	107	28.40	1369.3	12.5	334	c/cs
27	300	1522	-14	1.70	107	27.50	1371.4	12.5	335	c/cs
27	300	1527	-14	0.70	107	27.00	1372.4	12.5	335	c/cs
27	300	1530	-14	0.14	107	26.77	1373.0	12.1	335	SN
27	300	1537	-13	58.90	107	26.20	1374.4	12.3	335	c/cs
27	300	1542	-13	57.90	107	25.70	1375.5	12.0	335	c/cs
27	300	1552	-13	56.10	107	24.90	1377.5	12.3	335	c/cs
27	300	1557	-13	55.20	107	24.40	1378.5	12.2	334	c/cs
27	300	1607	-13	53.40	107	23.50	1380.5	12.4	336	c/cs
27	300	1612	-13	52.40	107	23.10	1381.5	12.3	334	c/cs
27	300	1616	-13	51.70	107	22.70	1382.4	12.3	335	c/cs
27	300	1621	-13	50.70	107	22.30	1383.4	12.3	334	c/cs
27	300	1631	-13	48.90	107	21.40	1385.4	12.0	335	c/cs
27	300	1636	-13	48.00	107	20.90	1386.4	12.1	334	c/cs
27	300	1646	-13	46.20	107	20.00	1388.4	12.2	335	c/cs
27	300	1651	-13	45.20	107	19.60	1389.5	12.2	335	c/cs
27	300	1701	-13	43.40	107	18.70	1391.5	12.4	335	c/cs
27	300	1706	-13	42.50	107	18.30	1392.5	12.2	335	c/cs
27	300	1716	-13	40.60	107	17.40	1394.5	12.2	334	c/cs
27	300	1721	-13	39.70	107	17.00	1395.6	12.2	334	c/cs
27	300	1731	-13	37.90	107	16.10	1397.6	11.9	335	c/cs
27	300	1736	-13	37.00	107	15.60	1398.6	12.1	335	c/cs
27	300	1746	-13	35.20	107	14.80	1400.6	11.8	335	c/cs
27	300	1751	-13	34.30	107	14.30	1401.6	12.2	335	c/cs
27	300	1752	-13	34.08	107	14.25	1401.8	13.0	334	SN
27	300	1755	-13	33.50	107	14.00	1402.4	12.9	334	c/cs
27	300	1800	-13	32.50	107	13.50	1403.5	12.8	334	c/cs
27	300	1810	-13	30.60	107	12.50	1405.6	12.7	334	c/cs
27	300	1815	-13	29.70	107	12.00	1406.7	12.9	334	c/cs
27	300	1818	-13	29.08	107	11.73	1407.3	11.9	337	SN
27	300	1825	-13	27.80	107	11.20	1408.7	11.9	337	c/cs

27	300	1830	-13	26.90	107	10.80	1409.7	11.9	337	c/cs	
27	300	1840	-13	25.10	107	10.00	1411.7	12.2	337	c/cs	
27	300	1845	-13	24.10	107	9.50	1412.7	11.9	337	c/cs	
27	300	1855	-13	22.30	107	8.70	1414.7	12.0	337	c/cs	
27	300	1900	-13	21.40	107	8.30	1415.7	12.1	336	c/cs	
27	300	1910	-13	19.50	107	7.50	1417.8	12.1	336	c/cs	
27	300	1915	-13	18.60	107	7.10	1418.8	12.0	337	c/cs	
27	300	1925	-13	16.80	107	6.30	1420.8	12.6	337	c/cs	
27	300	1930	-13	15.80	107	5.80	1421.8	12.0	337	c/cs	
27	300	1934	-13	15.00	107	5.50	1422.6	11.9	337	c/cs	
27	300	1938	-13	14.32	107	5.18	1423.4	12.6	338	SN	
27	300	1939	-13	14.10	107	5.10	1423.6	12.8	338	c/cs	
27	300	1949	-13	12.10	107	4.30	1425.8	12.9	338	c/cs	
27	300	1954	-13	11.20	107	3.90	1426.8	12.5	337	c/cs	
27	300	2004	-13	9.20	107	3.00	1428.9	12.6	338	c/cs	
27	300	2009	-13	8.30	107	2.60	1430.0	12.6	338	c/cs	
27	300	2019	-13	6.30	107	1.80	1432.1	12.6	338	c/cs	
27	300	2024	-13	5.30	107	1.40	1433.1	12.5	337	c/cs	
27	300	2034	-13	3.40	107	0.60	1435.2	12.6	338	c/cs	
27	300	2039	-13	2.40	107	0.20	1436.3	12.8	338	c/cs	
27	300	2049	-13	0.50	106	59.40	1438.4	12.5	338	c/cs	
27	300	2054	-12	59.50	106	59.00	1439.4	12.7	338	c/cs	
27	300	2102	-12	57.92	106	58.36	1441.1	12.6	335	SN	
27	300	2104	-12	57.50	106	58.20	1441.5	12.4	335	c/cs	
27	300	2109	-12	56.60	106	57.70	1442.6	12.3	336	c/cs	
27	300	2113	-12	55.90	106	57.40	1443.4	12.6	335	c/cs	
27	300	2118	-12	54.90	106	56.90	1444.4	12.5	334	c/cs	
27	300	2128	-12	53.00	106	56.00	1446.5	12.5	334	c/cs	
27	300	2133	-12	52.10	106	55.50	1447.5	12.5	334	c/cs	
27	300	2143	-12	50.20	106	54.60	1449.6	12.3	334	c/cs	
27	300	2148	-12	49.30	106	54.10	1450.7	12.5	334	c/cs	
27	300	2158	-12	47.50	106	53.20	1452.7	12.9	333	c/cs	
27	300	2203	-12	46.50	106	52.70	1453.8	12.8	333	c/cs	
27	300	2213	-12	44.60	106	51.70	1455.9	12.7	333	c/cs	
27	300	2218	-12	43.60	106	51.20	1457.0	12.8	334	c/cs	
27	300	2228	-12	41.70	106	50.30	1459.1	12.6	334	c/cs	
27	300	2233	-12	40.80	106	49.80	1460.2	12.7	335	c/cs	
27	300	2243	-12	38.90	106	48.90	1462.3	12.5	334	c/cs	
27	300	2244	-12	38.70	106	48.80	1462.5	12.6	334	c/cs	
27	300	2250	-12	37.55	106	48.22	1463.8	12.2	335	SN	
27	300	2252	-12	37.20	106	48.00	1464.2	12.3	335	c/cs	
27	300	2257	-12	36.20	106	47.60	1465.2	12.4	335	c/cs	
27	300	2307	-12	34.40	106	46.70	1467.3	12.4	335	c/cs	
27	300	2312	-12	33.40	106	46.30	1468.3	11.9	335	c/cs	
27	300	2317	-12	32.50	106	45.90	1469.3	12.4	335	c/cs	
27	300	2322	-12	31.60	106	45.40	1470.3	12.6	335	c/cs	
27	300	2327	-12	30.60	106	45.00	1471.4	12.5	335	c/cs	
27	300	2337	-12	28.70	106	44.10	1473.4	12.1	335	c/cs	
27	300	2342	-12	27.80	106	43.70	1474.5	12.0	335	c/cs	
27	300	2352	-12	26.00	106	42.80	1476.4	11.9	335	c/cs	
27	300	2357	-12	25.10	106	42.40	1477.4	12.4	335	c/cs	
28	Oct	301	0000	-12	24.60	106	42.10	1478.1	12.4	335	c/cs
28		301	0007	-12	23.30	106	41.50	1479.5	11.9	335	c/cs
28		301	0012	-12	22.40	106	41.00	1480.5	12.1	335	c/cs

28	301	0022	-12	20.50	106	40.20	1482.5	12.3	335	c/cs
28	301	0027	-12	19.60	106	39.70	1483.5	12.3	335	c/cs
28	301	0046	-12	16.10	106	38.00	1487.4	11.8	335	c/cs
26	301	0051	-12	15.20	106	37.60	1468.4	12.4	335	c/cs
28	301	0100	-12	13.51	106	36.79	1490.3	12.7	335	GF
28	301	0101	-12	13.30	106	36.70	1490.5	11.9	335	c/cs
28	301	0106	-12	12.40	106	36.30	1491.5	12.7	335	c/cs
28	301	0111	-12	11.50	106	35.80	1492.5	12.2	335	c/cs
28	301	0116	-12	10.50	106	35.40	1493.5	11.9	335	c/cs
28	301	0121	-12	9.60	106	35.00	1494.5	11.9	334	c/cs
28	301	0130	-12	8.03	106	34.17	1496.3	11.7	334	GF
28	301	0131	-12	7.90	106	34.10	1496.5	11.6	334	c/cs
28	301	0136	-12	7.00	106	33.60	1497.5	11.9	334	c/cs
28	301	0146	-12	5.20	106	32.80	1499.5	12.0	334	c/cs
28	301	0151	-12	4.30	106	32.30	1500.5	11.9	334	c/cs
28	301	0200	-12	2.70	106	31.50	1502.3	12.0	333	GF
28	301	0201	-12	2.50	106	31.40	1502.5	11.9	333	c/cs
28	301	0206	-12	1.60	106	30.90	1503.4	11.8	333	c/cs
28	301	0225	-11	58.30	106	29.20	1507.2	12.0	333	c/cs
28	301	0230	-11	57.40	106	28.70	1508.2	11.9	333	c/cs
28	301	0239	-11	55.84	106	27.89	1510.0	13.8	335	SN
28	301	0240	-11	55.60	106	27.80	1510.2	12.8	336	c/cs
28	301	0245	-11	54.70	106	27.30	1511.3	11.0	336	c/cs
28	301	0250	-11	53.80	106	27.00	1512.2	8.2	338	c/cs
28	301	0255	-11	53.20	106	26.70	1512.9	7.8	350	c/cs
28	301	0300	-11	52.60	106	26.60	1513.5	12.2	336	c/cs
28	301	0305	-11	51.60	106	26.20	1514.5	14.2	336	c/cs
28	301	0310	-11	50.60	106	25.70	1515.7	13.8	336	c/cs
28	301	0315	-11	49.50	106	25.20	1516.8	14.1	334	c/cs
28	301	0325	-11	47.40	106	24.10	1519.2	14.0	334	c/cs
28	301	0330	-11	46.34	106	23.63	1520.4	7.2	333	GF
26	301	0330	-11	46.30	106	23.60	1520.4	7.5	333	c/cs
28	301	0340	-11	45.20	106	23.10	1521.6	7.4	333	c/cs
28	301	0345	-11	44.70	106	22.80	1522.2	7.3	335	c/cs
28	301	0350	-11	44.10	106	22.50	1522.8	7.7	335	c/cs
28	301	0400	-11	42.96	106	21.95	1524.1	12.5	334	GF
28	301	0402	-11	42.60	106	21.80	1524.5	12.0	334	c/cs
28	301	0407	-11	41.70	106	21.30	1525.5	12.3	334	c/cs
28	301	0412	-11	40.80	106	20.90	1526.6	12.4	333	c/cs
28	301	0430	-11	37.46	106	19.12	1530.3	12.0	333	GF
28	301	0431	-11	37.30	106	19.00	1530.5	12.1	333	c/cs
28	301	0446	-11	34.60	106	17.60	1533.5	11.8	333	c/cs
28	301	0451	-11	33.70	106	17.20	1534.5	12.1	334	c/cs
28	301	0456	-11	32.80	106	16.70	1535.5	11.3	334	c/cs
28	301	0501	-11	32.00	106	16.30	1536.4	11.3	334	c/cs
28	301	0506	-11	31.10	106	15.90	1537.4	11.6	334	c/cs
28	301	0516	-11	29.40	106	15.00	1539.3	11.1	334	c/cs
28	301	0521	-11	28.60	106	14.60	1540.2	11.5	334	c/cs
28	301	0526	-11	27.70	106	14.10	1541.2	11.1	334	c/cs
28	301	0530	-11	27.06	106	13.81	1541.9	11.4	333	GF
28	301	0533	-11	26.60	106	13.50	1542.5	11.6	332	c/cs
28	301	0543	-11	24.80	106	12.60	1544.4	11.6	333	c/cs
28	301	0548	-11	24.00	106	12.20	1545.4	11.3	333	c/cs
28	301	0552	-11	23.30	106	11.80	1546.1	11.6	333	c/cs

28	301	0557	-11	22.50	106	11.30	1547.1	11.6	333	c/cs
28	301	0600	-11	21.95	106	11.07	1547.7	11.1	332	GF
28	301	0607	-11	20.80	106	10.50	1549.0	11.0	332	c/cs
28	301	0612	-11	20.00	106	10.00	1549.9	11.1	332	c/cs
28	301	0622	-11	18.40	106	9.10	1551.8	11.2	333	c/cs
28	301	0627	-11	17.50	106	8.70	1552.7	11.2	332	c/cs
28	301	0630	-11	17.04	106	8.41	1553.2	11.2	331	GF
28	301	0637	-11	15.90	106	7.80	1554.6	11.0	331	c/cs
28	301	0642	-11	15.10	106	7.30	1555.5	11.2	332	c/cs
28	301	0652	-11	13.40	106	6.40	1557.3	10.9	332	c/cs
28	301	0657	-11	12.60	106	6.00	1558.3	11.2	332	c/cs
28	301	0700	-11	12.14	106	5.70	1558.8	11.8	326	GF
28	301	0707	-11	11.00	106	4.90	1560.2	11.5	325	c/cs
28	301	0712	-11	10.20	106	4.40	1561.2	11.8	325	c/cs
28	301	0722	-11	8.60	106	3.20	1563.1	12.1	326	c/cs
28	301	0727	-11	7.80	106	2.60	1564.1	11.9	326	c/cs
28	301	0730	-11	7.28	106	2.29	1564.7	11.0	336	GF
28	301	0731	-11	7.10	106	2.20	1564.9	11.1	337	c/cs
28	301	0736	-11	6.30	106	1.30	1565.8	11.1	336	c/cs
28	301	0741	-11	5.40	106	1.50	1566.8	10.6	335	c/cs
28	301	0746	-11	4.60	106	1.10	1567.6	10.7	335	c/cs
28	301	0751	-11	3.80	106	0.70	1568.5	11.0	336	c/cs
28	301	0801	-11	2.10	105	59.90	1570.4	10.9	336	c/cs
28	301	0804	-11	1.64	105	59.69	1570.9	11.8	330	GF
28	301	0806	-11	1.30	105	59.50	1571.3	11.7	329	c/cs
28	301	0816	-10	59.60	105	58.50	1573.3	11.8	330	c/cs
28	301	0821	-10	58.80	105	58.00	1574.2	11.6	330	c/cs
28	301	0830	-10	57.25	105	57.10	1576.0	11.6	333	GF
28	301	0831	-10	57.10	105	57.00	1576.2	11.3	332	c/cs
28	301	0836	-10	56.20	105	56.60	1577.1	11.7	333	c/cs
28	301	0846	-10	54.50	105	55.60	1579.1	11.5	333	c/cs
28	301	0851	-10	53.70	105	55.20	1580.0	11.9	332	c/cs
28	301	0900	-10	52.09	105	54.35	1581.8	11.5	331	GF
28	301	0901	-10	51.90	105	54.30	1582.0	11.3	332	c/cs
28	301	0906	-10	51.10	105	53.80	1582.9	11.6	331	c/cs
28	301	0910	-10	50.40	105	53.40	1583.7	11.3	332	c/cs
28	301	0915	-10	49.60	105	53.00	1584.7	11.4	331	c/cs
28	301	0925	-10	47.90	105	52.00	1586.6	11.4	331	c/cs
28	301	0930	-10	47.08	105	51.58	1587.5	11.7	331	GF
28	301	0930	-10	47.10	105	51.60	1587.5	11.4	332	c/cs
28	301	1000	-10	42.07	105	48.85	1593.2	10.8	332	GF
28	301	1010	-10	40.50	105	48.00	1595.0	11.2	332	c/cs
28	301	1015	-10	39.70	105	47.50	1595.9	11.3	331	c/cs
28	301	1025	-10	38.00	105	46.60	1597.8	10.9	332	c/cs
28	301	1030	-10	37.21	105	46.18	1598.7	11.0	336	GF
28	301	1030	-10	37.20	105	46.20	1598.7	11.3	336	c/cs
28	301	1040	-10	35.50	105	45.40	1600.6	11.0	336	c/cs
28	301	1045	-10	34.70	105	45.00	1601.5	10.1	1	c/cs
28	301	1049	-10	34.00	105	45.00	1602.2	11.2	0	c/cs
28	301	1054	-10	33.10	105	45.00	1603.1	10.9	359	c/cs
28	301	1104	-10	31.20	105	45.00	1604.9	10.4	2	c/cs
28	301	1109	-10	30.40	105	45.00	1605.8	10.9	3	c/cs
28	301	1119	-10	28.60	105	45.10	1607.6	10.6	4	c/cs
28	301	1124	-10	27.70	105	45.20	1608.5	10.3	3	c/cs

28	301	1129	-10	26.80	105	45.20	1609.4	11.0	3	c/cs
28	301	1130	-10	26.64	105	45.25	1609.5	11.2	4	GF
28	301	1134	-10	25.90	105	45.30	1610.3	11.5	350	c/cs
28	301	1139	-10	25.00	105	45.10	1611.2	11.2	352	c/cs
28	301	1149	-10	23.10	105	44.90	1613.1	11.0	352	c/cs
28	301	1154	-10	22.20	105	44.80	1614.0	11.3	352	c/cs
28	301	1200	-10	21.08	105	44.60	1615.2	10.8	351	GF
28	301	1204	-10	20.40	105	44.50	1615.9	10.7	350	c/cs
28	301	1209	-10	19.50	105	44.30	1616.8	10.8	350	c/cs
28	301	1219	-10	17.70	105	44.00	1618.6	10.6	351	c/cs
28	301	1224	-10	16.90	105	43.90	1619.4	10.8	351	c/cs
28	301	1228	-10	16.10	105	43.70	1620.2	10.4	350	c/cs
28	301	1230	-10	15.80	105	43.67	1620.5	11.1	350	GF
28	301	1233	-10	15.30	105	43.60	1621.1	11.1	351	c/cs
28	301	1238	-10	14.30	105	43.40	1622.0	11.6	352	c/cs
28	301	1243	-10	13.40	105	43.30	1623.0	11.2	351	c/cs
28	301	1248	-10	12.50	105	43.10	1623.9	11.3	350	c/cs
28	301	1258	-10	10.60	105	42.80	1625.8	11.2	350	c/cs
28	301	1300	-10	10.25	105	42.73	1626.1	11.2	348	GF
28	301	1303	-10	9.70	105	42.60	1626.7	11.3	349	c/cs
28	301	1313	-10	7.80	105	42.20	1628.6	11.1	349	c/cs
28	301	1318	-10	6.90	105	42.10	1629.5	11.4	347	c/cs
28	301	1328	-10	5.10	105	41.60	1631.4	11.1	348	c/cs
28	301	1330	-10	4.72	105	41.57	1631.8	11.0	349	GF
28	301	1333	-10	4.20	105	41.50	1632.3	11.0	349	c/cs
28	301	1343	-10	2.40	105	41.10	1634.2	11.0	350	c/cs
28	301	1348	-10	1.50	105	40.90	1635.1	10.6	349	c/cs
28	301	1353	-10	0.60	105	40.80	1636.0	11.3	350	c/cs
28	301	1358	-9	59.70	105	40.60	1636.9	11.4	350	c/cs
28	301	1403	-9	58.80	105	40.40	1637.9	11.1	350	c/cs
28	301	1407	-9	58.00	105	40.30	1638.6	11.0	350	c/cs
28	301	1412	-9	57.10	105	40.10	1639.5	11.2	350	c/cs
28	301	1422	-9	55.30	105	39.80	1641.4	11.3	349	c/cs
28	301	1427	-9	54.30	105	39.60	1642.3	11.2	349	c/cs
28	301	1437	-9	52.50	105	39.20	1644.2	11.4	350	c/cs
28	301	1442	-9	51.60	105	39.10	1645.1	11.1	348	c/cs
28	301	1452	-9	49.80	105	38.70	1647.0	11.1	350	c/cs
28	301	1457	-9	48.90	105	38.50	1647.9	11.6	349	c/cs
28	301	1502	-9	47.90	105	38.30	1648.9	11.1	349	c/cs
28	301	1507	-9	47.00	105	38.20	1649.8	10.7	350	c/cs
28	301	1512	-9	46.10	105	38.00	1650.7	11.2	349	c/cs
28	301	1517	-9	45.20	105	37.80	1651.6	10.7	349	c/cs
28	301	1518	-9	45.04	105	37.78	1651.8	10.9	343	GF
28	301	1522	-9	44.30	105	37.60	1652.5	11.4	343	c/cs
28	301	1527	-9	43.40	105	37.30	1653.5	11.2	343	c/cs
28	301	1537	-9	41.70	105	36.70	1655.4	11.5	343	c/cs
28	301	1542	-9	40.70	105	36.40	1656.3	11.6	343	c/cs
28	301	1546	-9	40.00	105	36.20	1657.1	11.0	344	c/cs
28	301	1551	-9	39.10	105	35.90	1658.0	11.3	343	c/cs
28	301	1601	-9	37.30	105	35.40	1659.9	11.2	344	c/cs
28	301	1606	-9	36.40	105	35.10	1660.8	11.3	344	c/cs
28	301	1616	-9	34.60	105	34.60	1662.7	11.2	344	c/cs
28	301	1621	-9	33.70	105	34.30	1663.6	11.0	343	c/cs
28	301	1626	-9	32.80	105	34.10	1664.6	11.5	343	c/cs

28	301	1631	-9	31.90	105	33080	1665.5	11.5	343	c/cs
28	301	1636	-9	31.00	105	33.50	1666.5	11.6	343	c/cs
28	301	1646	-9	29.20	105	32.90	1668.4	11.7	344	c/cs
28	301	1651	-9	28.20	105	32.60	1669.4	11.3	343	c/cs
28	301	1701	-9	26.40	105	32.10	1671.3	11.8	343	c/cs
28	301	1706	-9	25.50	105	31.80	1672.2	11.6	344	c/cs
28	301	1716	-9	23.60	105	31.30	1674.2	11.2	344	c/cs
28	301	1721	-9	22.70	105	31.00	1675.1	11.3	344	c/cs
28	301	1725	-9	22.00	105	30.80	1675.9	11.3	344	c/cs
28	301	1730	-9	21.10	105	30.50	1676.8	11.5	343	c/cs
28	301	1740	-9	19.30	105	29.90	1678.7	11.3	344	c/cs
28	301	1745	-9	18.40	105	29.70	1679.7	11.4	343	c/cs
28	301	1748	-9	17.81	105	29.51	1680.2	10.8	359	SN
28	301	1755	-9	16.60	105	29.50	1681.5	10.9	0	c/cs
28	301	1800	-9	15.60	105	29.50	1682.4	10.6	359	c/cs
28	301	1810	-9	13.90	105	29.50	1684.2	10.5	0	c/cs
28	301	1815	-9	13.00	105	29.50	1685.1	10.5	359	c/cs
28	301	1825	-9	11.20	105	29.50	1686.8	11.0	1	c/cs
28	301	1830	-9	10.30	105	29.50	1687.7	10.9	0	c/cs
28	301	1840	-9	8.50	105	29.50	1689.5	11.0	1	c/cs
28	301	1845	-9	7.60	105	29.50	1690.5	10.6	359	c/cs
28	301	1855	-9	5.80	105	29.50	1692.2	10.7	0	c/cs
28	301	1900	-9	4.90	105	29.50	1693.1	11.0	360	c/cs
28	301	1904	-9	4.20	105	29.50	1693.9	10.6	1	c/cs
28	301	1909	-9	3.30	105	29.50	1694.7	10.6	1	c/cs
28	301	1918	-9	1.72	105	29.51	1696.3	10.5	352	DR
28	301	1919	-9	1.50	105	29.50	1696.5	11.2	352	c/cs
28	301	1924	-9	0.60	105	29.40	1697.4	10.8	351	c/cs
28	301	1934	-8	58.80	105	29.10	1699.3	10.8	355	c/cs
28	301	1939	-8	57.90	105	29.00	1700.2	10.8	353	c/cs
28	301	1949	-8	56.20	105	28.80	1702.0	10.3	353	c/cs
28	301	1954	-8	55.30	105	28.70	1702.8	10.6	353	c/cs
28	301	2004	-8	53.50	105	28.40	1704.6	11.0	353	c/cs
28	301	2009	-8	52.60	105	28.30	1705.5	10.8	354	c/cs
28	301	2019	-8	50.80	105	28.10	1707.3	10.8	355	c/cs
28	301	2024	-8	49.90	105	28.00	1708.2	10.9	354	c/cs
28	301	2034	-8	48.10	105	27.80	1710.0	10.7	354	c/cs
28	301	2039	-8	47.30	105	27.70	1710.9	10.3	353	c/cs
28	301	2040	-8	47.09	105	27.71	1711.1	10.6	353	SN
28	301	2043	-8	46.60	105	27.60	1711.6	11.3	353	c/cs
28	301	2048	-8	45.60	105	27.50	1712.5	11.2	354	c/cs
28	301	2053	-8	44.70	105	27.40	1713.5	10.5	353	c/cs
28	301	2058	-8	43.80	105	27.30	1714.4	11.1	354	c/cs
28	301	2103	-8	42.90	105	27.20	1715.3	11.0	354	c/cs
28	301	2113	-8	41.10	105	27.00	1717.1	11.2	354	c/cs
28	301	2118	-8	40.10	105	26.90	1718.1	11.3	354	c/cs
28	301	2128	-8	38.30	105	26.70	1719.9	10.9	353	c/cs
28	301	2133	-8	37.40	105	26.60	1720.9	10.8	353	c/cs
28	301	2143	-8	35.60	105	26.40	1722.7	10.9	353	c/cs
28	301	2148	-8	34.70	105	26.20	1723.6	11.1	354	c/cs
28	301	2158	-8	32.80	105	26.00	1725.4	11.1	354	c/cs
28	301	2203	-8	31.90	105	25.90	1726.3	11.2	353	c/cs
28	301	2213	-8	30.10	105	25.70	1728.2	10.7	353	c/cs
28	301	2218	-8	29.20	105	25.60	1729.1	10.7	353	c/cs

28	301	2222	-8	28.50	105	25.50	1729.8	11.2	352	c/cs	
28	301	2227	-8	27.50	105	25.40	1730.8	11.2	353	c/cs	
28	301	2237	-8	25.70	105	25.10	1732.6	11.5	352	c/cs	
28	301	2242	-8	24.70	105	25.00	1733.6	11.6	353	c/cs	
28	301	2247	-8	23.80	105	24.90	1734.5	12.1	354	c/cs	
28	301	2252	-8	22.80	105	24.80	1735.6	11.7	353	c/cs	
28	301	2257	-8	21.80	105	24.70	1736.5	11.8	352	c/cs	
28	301	2302	-8	20.80	105	24.50	1737.5	11.2	353	c/cs	
28	301	2307	-8	19.90	105	24.40	1738.5	12.0	353	c/cs	
28	301	2312	-8	18.90	105	24.30	1739.5	11.7	352	c/cs	
28	301	2317	-8	17.90	105	24.10	1740.4	11.2	354	c/cs	
28	301	2322	-8	17.00	105	24.00	1741.4	11.9	354	c/cs	
28	301	2327	-8	16.00	105	23.90	1742.4	12.0	353	c/cs	
28	301	2332	-8	15.00	105	23.80	1743.4	11.7	354	c/cs	
29	Oct	302	0008	-8	8.00	105	23.10	1750.4	11.8	353	c/cs
29		302	0017	-8	6.30	105	22.80	1752.2	12.2	354	c/cs
29		302	0022	-8	5.30	105	22.70	1753.2	11.5	354	c/cs
29		302	0027	-8	4.30	105	22.60	1754.2	11.9	353	c/cs
29		302	0037	-8	2.30	105	22.40	1756.1	11.8	353	c/cs
29		302	0042	-8	1.40	105	22.30	1757.1	11.4	353	c/cs
29		302	0052	-7	59.50	105	22.00	1759.0	12.2	353	c/cs
29		302	0057	-7	58.50	105	21.90	1760.0	11.7	353	c/cs
29		302	0100	-7	57.88	105	21.83	1760.6	11.9	351	GF
29		302	0107	-7	56.50	105	21.60	1762.0	12.0	351	c/cs
29		302	0112	-7	55.50	105	21.50	1763.0	12.0	351	c/cs
29		302	0122	-7	53.60	105	21.10	1765.0	11.8	351	c/cs
29		302	0127	-7	52.60	105	21.00	1766.0	11.9	351	c/cs
29		302	0130	-7	52.00	105	20.90	1766.6	11.6	350	GF
29		302	0137	-7	50.70	105	20.70	1767.9	11.6	350	c/cs
29		302	0142	-7	49.70	105	20.50	1768.9	11.8	350	c/cs
29		302	0200	-7	46.21	105	19.91	1772.5	12.3	358	GF
29		302	0201	-7	46.00	105	19.90	1772.7	12.1	358	c/cs
29		302	0206	-7	45.00	105	19.90	1773.7	12.3	358	c/cs
29		302	0216	-7	43.00	105	19.80	1775.7	12.0	359	c/cs
29		302	0221	-7	42.00	105	19.80	1776.7	12.0	358	c/cs
29		302	0230	-7	40.16	105	19.68	1778.5	11.8	343	GF
29		302	0231	-7	40.00	105	19.60	1778.7	12.1	344	c/cs
29		302	0236	-7	39.00	105	19.30	1779.7	12.0	343	c/cs
29		302	0241	-7	38.10	105	19.00	1780.7	11.5	342	c/cs
29		302	0246	-7	37.10	105	18.80	1781.7	11.9	344	c/cs
29		302	0251	-7	36.20	105	18.50	1782.7	11.9	343	c/cs
29		302	0300	-7	34.48	105	17.94	1784.4	11.7	353	GF
29		302	0301	-7	34.30	105	17.90	1784.6	11.2	352	c/cs
29		302	0306	-7	33.40	105	17.80	1785.6	11.7	353	c/cs
29		302	0316	-7	31.40	105	17.50	1787.5	11.7	353	c/cs
29		302	0321	-7	30.50	105	17.40	1788.5	11.8	352	c/cs
29		302	0330	-7	28.70	105	17.19	1790.3	12.5	348	GF
29		302	0335	-7	27.70	105	17.00	1791.3	12.5	348	c/cs
29		302	0340	-7	26.70	105	16.70	1792.4	12.4	348	c/cs
29		302	0345	-7	25.70	105	16.50	1793.4	12.3	349	c/cs
29		302	0355	-7	23.60	105	16.10	1795.4	12.3	348	c/cs
29		302	0400	-7	22.63	105	15.91	1796.5	11.9	350	GF
29		302	0400	-7	22.60	105	15.90	1796.5	11.7	349	c/cs
29		302	0410	-7	20.70	105	15.60	1798.4	12.3	350	c/cs

29	302	0415	-7	19.70	105	15.40	1799.4	11.8	350	c/cs
29	302	0425	-7	17.80	105	15.00	1801.4	11.3	349	c/cs
29	302	0430	-7	16.85	105	14.82	1802.4	11.7	349	GF
29	302	0430	-7	16.80	105	14.80	1802.4	12.2	350	c/cs
29	302	0440	-7	14.80	105	14.50	1804.4	12.2	351	c/cs
29	302	0445	-7	13.80	105	14.30	1805.4	12.3	350	c/cs
29	302	0455	-7	11.80	105	13.90	1807.5	12.6	349	c/cs
29	302	0500	-7	10.79	105	13.73	1808.5	13.0	349	GF
29	302	0500	-7	10.80	105	13.70	1808.5	12.8	350	c/cs
29	302	0510	-7	8.70	105	13.40	1810.6	12.5	350	c/cs
29	302	0519	-7	6.80	105	13.00	1812.5	12.8	350	c/cs
29	302	0524	-7	5.80	105	12.80	1813.6	12.7	351	c/cs
29	302	0534	-7	3.71	105	12.50	1815.7	12.5	352	GF
29	302	0534	-7	3.70	105	12.50	1815.7	12.4	351	c/cs
29	302	0539	-7	2.70	105	12.30	1816.7	12.5	351	c/cs
29	302	0554	-6	59.60	105	11.80	1819.9	12.5	351	GF

^a UTC = Universal Time Coordinated; c/cs = course- speed-change; SN = satellite navigation fix; GF = global positioning fix; DR = dead reckoning fix; S765, etc. = hole number.