

Date	Star No	Mag	Ph	El	Halifax				Montreal				Toronto				
					W 63.6,		N 44.6		W 73.6,		N 45.5		W 79.4,		N 43.7		
					U.T.	a	b	P	U.T.	a	b	P	U.T.	a	b	P	
y m d					h m	m m	m m	o	h m	m m	m m	o	h m	m m	m m	o	
17 Jan 6	192	5.1	DD	93						3 36.5	+0.7	-2.4	113	3 36.8	+0.9	-2.9	120
17 Jan 18	1821	2.8	RD	108	6 24.6	+0.7	-1.3	333	6 16.9	+0.6	-0.8	327	6 14.2	+0.6	-0.3	316	
17 Jan 19	1941	4.7	RD	96	9 19.9	+4.6	+4.7	225									
17 Jan 23	2399	4.9	RD	52	9 14.7	+1.2	+1.8	258	9 5.6	+0.9	+2.2	249					
17 Feb 3	405	4.3	DD	87	22 44.7	+2.2	-1.4	111	22 23.1	+2.0	-0.1	96					
17 Feb 18	2223	3.9	RD	94	9 25.4	+2.4	+0.8	255	9 2.4	+2.4	+2.0	243	8 40.8	+3.5	+4.9	222	
17 Mar 2	249	4.5	DD	44					1 37.0	+0.1	-1.2	85	1 38.2	+0.3	-1.4	92	
17 Mar 4	508	4.1	DD	70					0 39.3	+1.2	-9.1	153					
17 Mar 5	669	3.8	DD	83	0 16.3	+1.4	-1.1	92	0 0.4	+1.6	-0.6	89	23 51.5	+1.8	-0.6	93	
17 Mar 5	671	3.4	DD	83	0 22.2	+1.3	-2.0	113	0 5.7	+1.6	-1.6	110	23 58.3	+1.9	-1.7	115	
17 Mar 5	677	4.8	DD	84	1 25.2	+1.1	+0.0	56	1 13.0	+1.3	+0.2	56	1 4.4	+1.5	+0.2	63	
17 Mar 6	814	5.4	DD	97	0 1.3	+1.7	+1.4	48	23 45.8	+1.6	+2.1	43	23 32.6	+1.6	+2.0	48	
17 Mar 24	3108	5.3	RD	47									10 5.1	+0.7	+1.4	270	
17 Apr 1	635	3.7	DD	54					3 26.7	-0.2	-0.8	74	3 29.1	-0.1	-1.0	83	
17 Apr 28	692	0.9	DD	32	16 47.7	+1.4	+1.3	72	16 37.4	+1.0	+1.8	60	16 28.9	+0.8	+1.9	58	
17 Apr 28	692	0.9	RB	32	18 1.5	+1.7	+0.5	260	17 45.6	+1.6	+0.6	270	17 35.3	+1.5	+0.8	270	
17 May 2	1207	5.6	DD	77					2 59.4	+0.8	-0.6	60	2 55.9	+0.9	-0.8	72	
17 May 21	3526	4.9	RD	62	7 5.9	+0.4	-0.7	321									
17 May 29	1158	5.0	DD	46					2 38.3	-0.4	-1.9	134	2 44.5	-0.5	-2.2	144	
17 Jun 1	1547	3.8	DD	86					4 40.2	+0.2	-0.8	61	4 40.2	+0.3	-0.9	69	
17 Jun 22	692	0.9	DB	22	14 5.7	+1.7	+0.4	88	13 50.9	+1.4	+1.1	77	13 41.1	+1.3	+1.3	76	
17 Jun 22	692	0.9	RD	22	15 19.2	+1.6	+0.7	245	15 3.8	+1.6	+0.8	254	14 53.1	+1.6	+1.0	253	
17 Jul 1	1821	2.8	DD	91	2 50.2	+0.5	-1.9	119	2 41.8	+0.8	-2.0	122	2 40.5	+0.9	-2.1	128	
17 Jul 18	444	5.9	RD	70					8 17.7	+0.6	+1.8	244	8 11.6	+0.4	+1.7	246	
17 Jul 20	741	5.5	RD	43	7 40.1	+0.4	+0.7	298	7 37.6	+0.2	+0.3	311					
17 Aug 1	2223	3.9	DD	106	2 58.7	+1.0	-2.0	120	2 45.1	+1.3	-1.8	117	2 39.9	+1.6	-1.8	120	
17 Aug 10	3421	4.9	RD	150	7 31.2	+1.2	+0.8	223	7 18.3	+1.5	+0.7	237	7 7.5	+1.7	+0.9	241	
17 Aug 14	405	4.3	RD	99	7 47.3	+3.1	-2.0	312									
17 Aug 16	699	5.8	RD	73	6 56.6	-0.7	+4.2	187									
17 Sep 10	364	4.3	RD	130	5 47.0	+0.8	+2.5	208	5 40.7	+0.8	+2.1	223	5 32.2	+0.8	+2.1	226	
17 Sep 11	508	4.1	RD	115	9 55.7	+1.0	+3.6	194	9 47.1	+1.2	+2.3	208	9 35.8	+1.2	+2.6	207	
17 Sep 12	635	3.7	RD	103	5 21.0	+0.8	+1.3	269	5 14.8	+0.6	+1.1	282	5 9.7	+0.5	+1.0	284	
17 Sep 12	667	5.0	RD	101					9 48.0	+2.3	-2.2	308	9 37.7	+2.5	-1.8	307	
17 Sep 12	669	3.8	RD	101	9 54.9	+1.3	+3.3	203	9 44.5	+1.3	+2.4	215	9 32.7	+1.2	+2.6	214	
17 Sep 12	671	3.4	RD	102					9 22.4	-0.7	+9.6	177	9 10.6	-1.2	+9.6	176	
17 Sep 12	677	4.8	RD	101									10 56.2	+1.7	+1.0	239	
17 Sep 12	692	0.9	DB	100	13 6.8	+0.9	-0.9	79	12 55.3	+1.2	-0.7	80	12 49.1	+1.4	-0.8	86	
17 Sep 12	692	0.9	RD	100	14 10.9	+0.4	-1.3	269	14 3.6	+0.8	-1.2	266	14 0.3	+1.0	-0.8	258	
17 Sep 13	814	5.4	RD	88	9 29.3	+1.4	+2.6	218	9 18.5	+1.2	+2.1	230	9 7.9	+1.1	+2.3	229	
17 Oct 11	947	5.2	RD	104					10 38.5	+1.7	-0.7	279	10 29.0	+1.8	-0.2	273	
17 Oct 13	1236	5.1	RD	78	9 10.7	+1.6	+0.6	275	8 56.9	+1.3	+0.7	280	8 48.3	+1.1	+1.0	276	
17 Oct 15	1487	1.4	DB	52	10 7.1	+1.6	+3.7	51	9 57.6	+1.0	+3.9	48	9 46.6	+0.7	+2.9	57	
17 Oct 15	1487	1.4	RD	52	10 48.2	+1.0	-3.2	345	10 35.3	+1.0	-2.8	344	10 33.1	+1.1	-1.6	333	
17 Oct 26	2734	5.2	DD	69					1 5.2	+0.6	-0.6	58	1 1.9	+0.8	-0.4	56	
17 Oct 27	2981	5.1	DD	90	23 33.4	-0.3	+3.9	3									
17 Nov 5	508	4.1	RD	167	0 6.8	+0.1	+2.0	226	0 7.6	+0.0	+1.8	236	0 4.7	-0.1	+1.7	237	
17 Nov 6	692	0.9	DB	154	1 9.5	+0.5	+1.3	88	1 7.9	+0.1	+1.5	78	1 5.0	+0.0	+1.4	76	
17 Nov 6	692	0.9	RD	153	2 7.9	+0.5	+1.9	239	2 4.8	+0.4	+1.6	251	2 0.0	+0.3	+1.6	253	
17 Nov 9	1175	4.9	RD	111	3 44.2	+0.3	+1.3	271	3 42.7	+0.2	+1.0	282					
17 Dec 5	947	5.2	RD	159	1 52.3	+0.3	+2.6	222	1 51.3	+0.3	+2.0	236					
17 Dec 29	405	4.3	DD	124	3 54.5	+1.0	-0.4	67	3 43.2	+1.2	+0.0	61	3 35.6	+1.4	+0.1	64	
17 Dec 29	508	4.1	DD	135	21 18.7	+0.8	+1.4	86									
17 Dec 30	677	4.8	DD	149	21 8.8	+0.4	+1.2	94									
17 Dec 30	692	0.9	DD	150	23 41.1	+1.6	+0.1	114	23 28.5	+1.0	+1.0	99	23 21.1	+0.8	+1.1	97	
17 Dec 31	692	0.9	RB	150	0 33.7	+0.8	+2.7	212	0 27.7	+0.8	+2.1	227	0 19.5	+0.7	+2.1	229	