					Massachusetts					Washington, D.C.					Chicago				
					W 72.5, N 42.5					W 77.0, N 38.9					W 87.7, N 41.9				
Date			Star	Mag	Ph	El	U.T.	a	b	P	U.T.	a	b	P		U.T.	a	b	P	
y	m	d	No				h m	m	m	o	h m	m	m	o		h m	m	m	o	
17	Jan	6	192	5.1	DD	93	3 46.0	+0.6	-3.7	129						3 32.8	+1.4	-3.4	124	
17	Jan	9	635	3.7	DD	136										8 55.1	-0.1	-1.4	100	
17	Jan	18	1821	2.8	RD	108	6 19.4	+0.8	-0.5	317	6 16.3	+0.9	+0.1	301		6 9.7	+0.5	+0.2	305	
17	Jan	23	2399	4.9	RD	52	8 59.5	+1.2	+2.7	239										
17	Feb	3	405	4.3	DD	87	22 26.6	+2.4	-0.8	108										
17	Feb	12	1547	3.8	RD	167					0 26.0	+0.4	-1.3	335						
17	Feb	18	2223	3.9	RD	94	8 58.5	+3.0	+2.8	234										
17	Mar	2	249	4.5	DD	44	1 40.9	+0.1	-1.4	95	1 46.5	+0.1	-1.9	110		1 37.8	+0.5	-1.6	99	
17	Mar	5	667	5.0	DD	84					0 24.9	+1.6	+5.3	13						
17	Mar	5	669	3.8	DD	83	0 4.8	+1.7	-1.1	99	0 1.2	+2.0	-1.6	112		23 36.2	+2.0	-0.3	95	
17	Mar	5	671	3.4	DD	83	0 13.3	+1.7	-2.4	122	0 16.7	+2.1	-4.7	141		23 44.1	+2.2	-1.6	118	
17	Mar	5	677	4.8	DD	84	1 14.5	+1.4	-0.2	67	1 9.0	+1.6	-0.5	80		0 50.5	+1.8	+0.3	69	
17	Mar	5	692	0.9	DD	85					4 4.8	+0.8	+1.0	34		3 57.4	+1.1	+1.3	31	
17	Mar	5	692	0.9	RB	85					4 39.7	-0.4	-2.9	319		4 33.2	-0.1	-3.3	321	
17	Mar	5	814	5.4	DD	97	23 42.6	+1.8	+1.4	55	23 29.6	+2.0	+1.1	66						
17	Mar	8	1158	5.0	DD	126					7 2.2	+1.1	+1.0	38		6 51.1	+1.3	+0.5	45	
17	Mar	24	3108	5.3	RD	47					10 0.1	+0.8	+1.4	262						
17	Apr	1	635	3.7	DD	54					3 33.8	-0.3	-1.1	95		3 31.8	+0.0	-1.3	94	
17	Apr	15	2399	4.9	RD	134										10 17.0	+1.9	-2.7	333	
17	Apr	28	692	0.9	DD	32	16 33.5	+1.1	+1.5	69	16 23.1	+1.1	+1.4	73		16 19.9	+0.5	+2.0	54	
17	Apr	28	692	0.9	RB	32	17 45.2	+1.6	+0.9	260	17 34.4	+1.5	+1.2	254		17 21.8	+1.4	+0.8	274	
17	Apr	29	741	5.5	DD	36										2 45.9	-0.1	-1.0	87	
17	May	2	1207	5.6	DD	77	3 2.1	+0.7	-0.7	67	3 2.1	+0.7	-1.0	82		2 49.9	+1.0	-1.1	86	
17	May	29	1158	5.0	DD	46	2 43.5	-0.5	-2.0	141	2 54.4	-0.8	-2.6	157		2 53.6	-0.7	-3.1	161	
17	Jun	1	1547	3.8	DD	86	4 42.8	+0.1	-0.8	67	4 45.3	+0.2	-1.0	78		4 38.4	+0.5	-1.1	79	
17	Jun	20	364	4.3	RD	52										10 11.3	-0.1	+3.1	193	
17	Jun	22	692	0.9	DB	22	13 49.7	+1.6	+0.8	86	13 39.7	+1.6	+0.7	92		13 29.1	+1.0	+1.5	72	
17	Jun	22	692	0.9	RD	22	15 2.8	+1.6	+1.1	244	14 50.6	+1.6	+1.6	236		14 38.6	+1.4	+1.2	255	
17	Jul	1	1821	2.8	DD	91	2 48.7	+0.7	-2.1	126	2 52.9	+0.8	-2.3	135		2 36.0	+1.1	-2.2	138	
17	Jul	1	1821	2.8	RB	91										3 44.4	+1.0	-1.4	271	
17	Jul	12	3206	5.1	RD	144										9 37.8	+2.4	-1.3	288	
17	Jul	18	444	5.9	RD	70	8 12.8	+0.5	+1.9	237	8 3.9	+0.4	+1.9	235		8 5.7	+0.2	+1.6	249	
17	Jul	20	741	5.5	RD	43	7 36.6	+0.1	+0.5	302										
17	Aug	1	2223	3.9	DD	106	2 52.2	+1.4	-2.0	122	2 52.9	+1.6	-2.1	129		2 29.1	+1.8	-1.7	126	
17	Aug	10	3421	4.9	RD	150	7 17.5	+1.5	+1.0	230	7 6.4	+1.6	+1.3	227		6 51.4	+1.8	+1.1	246	
17	Aug	14	405	4.3	RD	99					7 15.8	+4.1	-4.1	323						
17	Sep	10	364	4.3	RD	130	5 34.9	+0.8	+2.4	215	5 23.0	+0.6	+2.5	212		5 22.9	+0.6	+2.0	231	
17	Sep	11	508	4.1	RD	115	9 39.1	+0.9	+4.1	192	9 16.5	-1.1	+9.7	173		9 21.6	+1.1	+2.6	211	
17	Sep	12	635	3.7	RD	103	5 12.0	+0.6	+1.2	274	5 5.5	+0.4	+1.2	271		5 5.0	+0.3	+0.9	288	
17	Sep	12	667	5.0	RD	101	9 55.3	+2.2	-1.2	294	9 48.2	+2.3	-0.5	284		9 19.5	+2.7	-1.8	311	
17	Sep	12	669	3.8	RD	101	9 37.0	+1.1	+3.7	201	9 16.9	+0.2	+6.0	186		9 18.7	+1.1	+2.6	218	
17	Sep	12	671	3.4	RD	101										9 2.1	-0.1	+5.4	187	
17	Sep	12	677	4.8	RD	101										10 40.1	+1.7	+1.4	238	
17	Sep	12	692	0.9	DB	100	12 59.4	+1.2	-1.1	89	12 58.1	+1.4	-1.5	103		12 37.4	+1.7	-0.8	92	
17	Sep	12	692	0.9	RD	100	14 7.6	+0.8	-0.9	258	14 5.5	+1.1	-0.2	243		13 51.7	+1.3	-0.3	249	
17	Sep	13	814	5.4	RD	88	9 12.5	+1.1	+2.8	218	8 56.8	+0.7	+3.5	208		8 56.0	+0.8	+2.2	233	
17	Sep	13	832	4.3	RD	87										11 30.0	+9.9	+9.9	339	
17	Oct	11	947	5.2	RD	104	10 42.1	+1.8	-0.4	269	10 33.4	+2.1	+0.4	256		10 13.2	+1.9	+0.3	268	
17	Oct	13	1236	5.1	RD	78	8 55.7	+1.4	+1.0	270	8 45.3	+1.2	+1.5	259		8 38.3	+0.8	+1.1	275	
17	Oct	14	1375	5.4	RD	64										11 46.1	+1.7	+0.8	269	
17	Oct	15	1487	1.4	DB	52	9 49.4	+1.0	+2.5	64	9 37.7	+0.8	+1.7	78		9 37.3	+0.4	+2.4	63	
17	Oct	15	1487	1.4	RD	52	10 42.8	+1.2	-1.6	329	10 41.1	+1.3	-0.7	313		10 27.0	+0.9	-0.9	325	
17	Oct	26	2734	5.2	DD	69	1 7.8	+0.7	-0.7	66	1 6.5	+1.0	-0.6	70		0 54.2	+1.1	+0.0	52	
17	Oct	27	2981	5.1	DD	90					23 7.1	+0.3	+6.1	1						
17	Nov	6	692	0.9	DB	154	1 3.9	+0.2	+1.3	84	0 58.8	+0.1	+1.1	88		1 3.5	-0.2	+1.3	74	
17	Nov	6	692	0.9	RD	153	2 0.1	+0.4	+1.7	244	1 52.6	+0.2	+1.7	240		1 55.9	+0.1	+1.4	256	
17	Nov	9	1175	4.9	RD	111	3 39.6	+0.1	+1.1	273										
17	Nov	11	1466	5.3	RD	82										12 24.6	+2.6	+1.5	244	
17	Dec	4	832	4.3	RD	168										12 16.7	+0.2	-0.7	251	
17	Dec	5	947	5.2	RD	159	1 45.1	+0.1	+2.3	226										
17	Dec	29	405	4.3	DD	124	3 45.1	+1.3	-0.4	72	3 40.3	+1.6	-0.6	82		3 22.5	+1.6	+0.4	64	
17	Dec	30	692	0.9	DD	150	23 27.3	+1.3	+0.6	108	23 19.7	+1.2	+0.4	113		23 13.3	+0.5	+1.2	92	
17	Dec	31	692	0.9	RB	150	0 21.5	+0.7	+2.5	217	0 9.3	+0.5	+2.8	211		0 10.8	+0.5	+2.0	234	