

Date	Star	Mag	Ph	El	Los Angeles				N. California				Honolulu						
					W 118.3,		N 34.1		W 122.0,		N 38.0		W 157.9,		N 21.3				
					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	3Mars	0.9	DD	58									8	2.9	+0.4	-1.6	108		
17 Jan	6 192	5.1	DD	93	2	40.9	+3.3	-2.1	116	2	26.8	+2.4	-0.2	94					
17 Jan	9 635	3.7	DD	136					8	56.1	+0.5	-4.1	143						
17 Jan	9 667	5.0	DD	138									12	35.6	+0.4	-1.1	101		
17 Feb	6 741	5.5	DD	117	6	55.1	+1.3	-1.0	90	6	47.0	+1.4	-0.5	79	5	50.4	+4.2	-5.2	142
17 Feb	15 1924	5.8	RD	125									14	44.6	+3.3	-0.2	271		
17 Feb	17 2128	5.8	RD	104	12	17.0	+1.8	-1.3	313	12	6.2	+1.5	-1.2	318					
17 Mar	5 692	0.9	DD	85	3	8.5	+2.0	+0.1	74	3	3.2	+1.9	+0.9	59	1	33.5	+1.6	+1.0	80
17 Mar	5 692	0.9	RB	86	4	27.2	+1.5	-0.9	270	4	16.9	+1.6	-1.4	283	2	54.3	+2.1	+1.6	243
17 Mar	8 1158	5.0	DD	126	6	11.1	+1.8	-1.4	108	5	59.9	+1.9	-0.9	99					
17 Mar	11 1547	3.8	DD	165									9	24.8	+2.8	-0.5	103		
17 Apr	1 635	3.7	DD	55	3	48.3	-0.4	-7.6	158	3	29.2	+0.7	-3.3	134					
17 Apr	1 667	5.0	DD	56									7	15.3	+0.5	-0.9	97		
17 Apr	1 677	4.8	DD	57									8	23.2	-0.8	-3.5	149		
17 Apr	2 814	5.4	DD	70	6	40.2	+0.2	-0.5	69	6	37.7	+0.3	-0.3	61					
17 Apr	10 1821	2.8	DD	169	8	2.0	+4.0	+1.9	60					6	53.5	+0.1	-4.5	176	
17 Apr	15 2399	4.9	RD	134	9	27.2	+2.0	+0.0	290	9	20.6	+1.6	+0.1	295					
17 Apr	28 692	0.9	DD	32	16	2.7	-0.4	+2.0	40	16	13.0	-0.6	+2.5	24					
17 Apr	28 692	0.9	RB	32	16	47.0	+0.5	+0.5	290	16	46.3	+0.6	+0.1	306					
17 May	18 3173	5.2	RD	94									15	21.8	+2.4	+2.0	229		
17 May	19 3307	4.8	RD	83									14	0.8	+1.6	+1.4	252		
17 May	22 170	6.0	RD	44									14	52.9	-0.3	+5.4	177		
17 Jun	1 1547	3.8	DD	85	4	22.7	+1.2	-2.1	127	4	10.4	+1.3	-1.9	123					
17 Jun	13 2981	5.1	RD	137	9	50.8	+2.1	+2.8	209	9	52.4	+2.0	+2.1	222					
17 Jun	13 2987	4.9	RD	137	11	26.1	+2.8	-0.7	283	11	12.3	+2.8	-1.0	297	9	48.5	+1.5	+1.3	254
17 Jun	17 3526	4.9	RD	88									15	28.1	+2.9	+0.4	271		
17 Jun	21 508	4.1	RD	37	12	10.8	+0.0	+1.9	228	12	17.5	+0.0	+1.7	240					
17 Jun	22 692	0.9	DB	22	13	2.1	+0.0	+1.6	58	13	9.5	-0.2	+2.0	45					
17 Jun	22 692	0.9	RD	22	13	56.8	+0.6	+1.0	270	13	58.0	+0.7	+0.8	284					
17 Jun	27 1487	1.4	DD	53									23	9.1	+1.7	+0.6	92		
17 Jun	28 1487	1.4	RB	54									0	28.1	+2.1	-1.3	306		
17 Jun	29 1609	4.6	DD	67	3	13.0	+3.0	+1.3	53										
17 Jul	12 3206	5.1	RD	144	8	18.7	+2.4	-0.9	307										
17 Jul	15 76	5.9	RD	105									15	21.7	+2.5	+1.2	244		
17 Aug	10 3421	4.9	RD	150	5	55.3	+1.0	+1.6	251										
17 Sep	3 2981	5.1	DD	144	5	52.3	+3.0	-1.1	114	5	39.9	+2.5	-0.3	101					
17 Sep	3 2987	4.9	DD	144	7	9.8	+1.5	+0.8	47	7	9.2	+1.2	+1.5	31	5	20.2	+2.1	+1.9	60
17 Sep	10 405	4.3	RD	125									13	21.9	+1.0	+3.7	198		
17 Sep	11 508	4.1	RD	115	8	34.1	+0.7	+2.1	230	8	38.8	+0.7	+1.8	244					
17 Sep	12 661	4.5	RD	102	7	13.4	-1.3	+4.9	181	7	28.6	-0.4	+2.6	205					
17 Sep	12 669	3.8	RD	101	8	38.7	+0.4	+1.9	234	8	44.2	+0.4	+1.6	248					
17 Sep	12 671	3.4	RD	101	8	31.8	+0.0	+2.6	212	8	40.5	+0.2	+2.1	227					
17 Sep	12 677	4.8	RD	101	9	44.3	+1.0	+1.6	250	9	46.0	+1.0	+1.3	264					
17 Sep	12 692	0.9	DB	100	11	34.7	+2.2	+0.3	97	11	30.2	+1.7	+1.1	81	10	34.1	+0.3	+0.9	82
17 Sep	12 692	0.9	RD	100	12	50.5	+1.9	+1.9	229	12	49.5	+1.9	+1.2	246	11	34.8	+0.6	+1.6	241
17 Sep	13 814	5.4	RD	88	8	28.2	+0.0	+1.6	246										
17 Sep	13 836	5.7	RD	87	11	36.3	+2.1	-0.3	295	11	24.7	+2.5	-1.9	318					
17 Sep	26 2399	4.9	DD	68	3	55.7	+0.6	+1.3	37										
17 Oct	2 3206	5.1	DD	137	7	58.5	+1.2	-0.2	67	7	54.5	+1.0	+0.3	51	6	31.6	+2.3	+2.2	45
17 Oct	11 947	5.2	RD	104	9	17.8	+1.1	+1.1	267	9	17.3	+1.1	+0.7	282					
17 Oct	14 1375	5.4	RD	64	10	57.7	+0.4	+2.0	246	11	2.7	+0.5	+1.4	262					
17 Oct	15 1487	1.4	RD	52	10	13.0	+0.1	-0.1	309	10	10.8	+0.2	-0.8	328					
17 Oct	22 2223	3.9	RB	27									4	37.8	+0.8	-0.7	269		
17 Oct	27 2886	4.9	DD	81	4	20.8	+3.8	-5.8	145	3	57.8	+2.3	-2.2	119					
17 Nov	7 913	5.1	RD	134									12	31.6	+2.7	-0.6	286		
17 Nov	11 1487	1.4	DB	80	16	51.8	+1.9	-0.9	92	16	41.5	+2.0	-0.7	87					
17 Nov	11 1487	1.4	RD	79	18	0.0	+0.6	-2.3	318	17	48.3	+0.7	-2.5	323					
17 Nov	24 2981	5.1	DD	63									7	32.0	+0.5	-0.3	76		
17 Dec	8 1434	5.4	RD	113	12	39.0	+1.9	-1.4	301	12	26.6	+1.7	-1.5	309	11	7.3	+0.8	+3.5	227
17 Dec	15 2223	3.9	DB	29	14	12.4	-0.2	-2.3	167	14	6.3	+0.0	-1.2	155					
17 Dec	15 2223	3.9	RD	29	15	0.4	+1.9	+2.1	251	15	0.4	+1.9	+2.1	251					
17 Dec	23 3181	6.0	DD	52	2	57.3	+0.7	+0.2	52	2	57.0	+0.5	+0.8	34					
17 Dec	29 405	4.3	DD	124	2	22.7	+1.3	+2.0	48	2	27.5	+0.9	+2.5	32					