

2017grazing

Grazing Occultations near Big Bear City

E. Longitude -116 50 46.9, Latitude 34 16 5.4, Alt. 2060m; Telescope dia 15cm; dMag 0.0

day	Time	P	Star	Sp	Mag	Mag	%	Elon	Sun	Moon	Cusp angle	Distance
Azimuth	Path	formula	No	D	v	r	V	ill	Alt	Alt		km
y	m	d	h	m	s							
17 Jan	9 9 20 48	Gr	635cG8		3.7	3.1s	86+	136		27	** GRAZE: CA -9.9S;	Dist. 36km in az.
13deg.	[Lat = 34.60-0.20(E.Long+116.85)]											
17 Mar	2 1 43 4	Gr	249 K3		4.5	3.7	14+	44	0	42	** GRAZE: CA 6.0S;	Dist.380km in az.
167deg.	[Lat = 30.76+0.19(E.Long+116.85)]											
17 Mar	3 23 28 3	Gr	508cK0		4.1	3.6	33+	70	25	62	** GRAZE: CA 9.3S;	Dist.264km in az.
334deg.	[Lat = 36.92+0.41(E.Long+116.85)]											
17 Mar	4 21 47 44	Gr	661wF0		4.5	4.3v	44+	83	44	39	** GRAZE: CA 9.4S;	Dist.240km in az.
151deg.	[Lat = 31.80+0.45(E.Long+116.85)]											
17 Apr	1 3 59 22	Gr	635cG8		3.7	3.1s	21+	55		27	** GRAZE: CA -0.2S;	Dist.120km in az.
194deg.	[Lat = 33.16-0.20(E.Long+116.85)]											
17 Apr	10 8 23 54	Gr	1821SF0		2.8	s	99+	169		49	** GRAZE: CA -8.0N;	Dist.213km in az.
36deg.	[Lat = 36.64-0.60(E.Long+116.85)]											
17 Apr	10 8 24 42	GrX	54027SF0		3.5	3.3s	99+	169		49	** GRAZE: CA -8.0N;	Dist.196km in az.
36deg.	[Lat = 36.46-0.60(E.Long+116.85)]											
17 Jun	2 2 56 25	Gr	1644 B9		4.1	4.1	56+	97	-3	65	** GRAZE: CA 6.9N;	Dist.376km in az.
216deg.	[Lat = 30.11-0.59(E.Long+116.85)]											
17 Jun	19 14 51 23	Gr	249 K3		4.5	3.7	27-	63	26	56	** GRAZE: CA 4.4N;	Dist.344km in az.
327deg.	[Lat = 37.98+0.55(E.Long+116.85)]											
17 Jun	29 3 28 11	Gr	1609SF2		4.6	4.5	31+	67	-4	39	** GRAZE: CA 3.7N;	Dist.171km in az.
33deg.	[Lat = 36.10-0.53(E.Long+116.85)]											
17 Aug	1 2 20 15	Gr	2223SK0		3.9	3.4	64+	106	4	42	** GRAZE: CA -8.4S;	Dist. 78km in az.
213deg.	[Lat = 33.43-0.55(E.Long+116.85)]											
17 Sep	7 10 26 35	Gr	3526cG9		4.9	4.4s	99-	166		45	** GRAZE: CA 19.2N;	Dist. 47km in az.
151deg.	[Lat = 33.78+0.46(E.Long+116.85)]											
17 Sep	13 10 29 26	Gr	832 M2		4.3	3.2v	48-	87		43	** GRAZE: CA 10.5N;	Dist. 82km in az.
153deg.	[Lat = 33.44+0.41(E.Long+116.85)]											
17 Oct	27 4 36 15	Gr	2886 K0		4.9	4.3	42+	81		18	** GRAZE: CA 4.9S;	Dist. 71km in az.
151deg.	[Lat = 33.54+0.46(E.Long+116.85)]											
17 Nov	22 1 45 45	Gr	2697 F0		6.5	6.3v	11+	39		17	** GRAZE: CA 1.3S;	Dist.124km in az.
153deg.	[Lat = 33.01+0.43(E.Long+116.85)]											
17 Nov	25 1 14 36	Gr	3079 A1		4.1	4.1	34+	71	-8	37	** GRAZE: CA 3.7S;	Dist.136km in az.
327deg.	[Lat = 35.72+0.53(E.Long+116.85)]											
17 Dec	3 9 21 14	Gr	650cA1		5.6	5.5s	100+	173		58	** GRAZE: CA 47.1N;	Dist.121km in az.
358deg.	[Lat = 35.36+0.03(E.Long+116.85)]											
17 Dec	27 6 13 49	Gr	150SF1		6.1	5.9v	58+	100		28	** GRAZE: CA 1.0S;	Dist. 17km in az.
168deg.	[Lat = 34.11+0.18(E.Long+116.85)]											