

Occultations table

Observation point: VladimirNebotov
EMail: nebotov@ukr.net
Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')
Maximal Distance = 250.0
Maximal $M_v = 14.00$
Minimal Duration = 0.5s
Maximal Sun Elevation = 0.0
Minimal drop: 0.5
Minimal probability: 0.0
Minimal probability in nearest point: 0.5
Minimal star elevation: 0.0
Program: LinOccult 2.1.1
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 113

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 1		LinOccult 2.1.1		
Asteroid			Nearest point			Star				Sun			Moon					
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Dist	Alt	Phase (%)	σ_{km}	
2013/03/01 15:30:17	2020 Ukko	21.5	17.14	3.68	117	0.6	36°25'01" 48°59'52"	175	2.5	UCAC2 32137271	13.50	1 ^h 39 ^m 34.721 ^s 1°15'20.894"	-3.1	43.2	232	83.8	319	
2013/03/01 16:15:54	33224 1998 FG114	5.0	19.14	7.38	72	0.9	37°00'26" 50°30'23"	45	0.9	TYC 189101130	11.77	6 ^h 30 ^m 55.164 ^s 28°42'40.872"	-10.4	115.6	141	83.5	209	
2013/03/01 17:14:42	3187 Dalian	17.0	17.01	3.13	190	3.9	37°12'59" 51°38'54"	20	1.7	UCAC2 40166788	13.94	6 ^h 41 ^m 49.472 ^s 23°45'05.586"	-19.8	118.5	168	83.1	122	
2013/03/01 17:32:52	997 Priska	18.7	17.55	3.87	220	2.8	37°51'03" 51°45'42"	30	2.0	UCAC2 35014032	13.71	7 ^h 39 ^m 28.884 ^s 9°04'46.489"	-22.6	132.8	157	83.1	178	
2013/03/01 17:58:36	12444 Prothoon	36.3	17.78	6.93	191	1.0	34°26'17" 51°18'03"	317	1.8	TYC 59900263	10.85	0 ^h 30 ^m 16.462 ^s 12°00'56.987"	-26.5	31.5	284	82.9	779	
2013/03/01 19:36:59	6729 Emiko	11.5	16.54	5.99	96	0.6	37°10'27" 50°41'41"	41	2.5	TYC 289302162	10.55	4 ^h 44 ^m 22.576 ^s 38°41'12.183"	-39.6	93.4	278	82.3	145	
2013/03/01 22:35:14	1140 Crimea	27.8	15.27	1.81	245	3.0	33°56'22" 48°27'56"	224	2.1	UCAC2 43242862	13.69	5 ^h 39 ^m 27.668 ^s 32°58'13.214"	-46.2	104.1	293	81.3	160	
2013/03/01 23:30:26	2502 Num-mela	16.5	15.97	3.39	15	1.3	36°05'08" 50°05'34"	289	4.2	UCAC2 47050286	12.63	5 ^h 28 ^m 23.135 ^s 44°50'58.649"	-42.2	101.7	312	80.9	156	
2013/03/01 23:37:40	34210 2000 QV67	8.3	17.51	5.67	219	0.9	37°32'37" 51°51'00"	24	0.9	UCAC2 38040766	11.85	6 ^h 19 ^m 26.394 ^s 17°54'11.767"	-41.5	113.2	286	81.0	248	
2013/03/02 01:12:09	169 Zelia	33.6	14.25	0.96	139	1.9	35°07'38" 49°03'14"	217	5.8	UCAC2 20885231	13.87	16 ^h 28 ^m 11.384 ^s -26°32'32.539"	-29.7	91.9	151	80.3	156	
2013/03/02 18:16:22	21967 1999 WS9	12.0	17.62	3.73	128	0.9	36°12'19" 48°54'08"	183	1.8	UCAC2 40813105	13.93	5 ^h 00 ^m 10.292 ^s 25°43'28.292"	-28.9	94.4	242	73.6	221	
2013/03/02 22:09:17	30843 1991 JK1	5.5	18.15	6.93	184	0.7	38°03'35" 51°15'26"	43	0.7	TYC 146000573	11.22	13 ^h 41 ^m 57.679 ^s 16°02'40.578"	-46.8	138.1	127	72.0	192	
2013/03/03 01:27:22	2033 Basilea	8.3	15.56	3.80	58	0.9	36°15'30" 50°33'54"	358	2.9	TYC 493700196	11.79	11 ^h 41 ^m 47.597 ^s -6°19'34.350"	-27.1	162.4	228	70.5	93	
2013/03/03 01:48:09	729 Watsonia	49.1	12.93	8.63	266	4.0	39°59'33" 50°20'10"	83	0.0	HIP 53417	4.30	10 ^h 55 ^m 36.719 ^s 24°44'58.780"	-24.0	162.1	265	70.4	62	
2013/03/03 03:18:51	5976 Kalata-jean	13.2	16.69	5.48	173	0.6	38°37'44" 50°27'39"	75	1.8	UCAC2 18717326	11.22	17 ^h 03 ^m 25.181 ^s -31°02'39.869"	-9.6	84.8	172	69.7	176	
2013/03/03 19:44:10	17111 1999 JH52	11.5	17.73	6.58	175	3.5	35°09'04" 48°39'44"	208	1.6	TYC 77600403	11.15	7 ^h 27 ^m 30.235 ^s 14°47'30.481"	-39.8	127.7	215	62.4	194	
2013/03/03 21:42:24	6187 1988 RD5	10.0	17.63	6.11	82	0.7	36°50'37" 50°41'34"	29	2.0	TYC 83600982	11.52	10 ^h 10 ^m 41.444 ^s 14°05'15.702"	-46.7	166.0	198	61.5	181	
2013/03/04 19:27:30	6960 1989 AL5	11.0	17.64	6.05	76	1.8	36°17'20" 50°43'56"	0	2.1	TYC 554500908	11.60	13 ^h 29 ^m 50.901 ^s -8°56'58.698"	-37.6	140.1	110	51.4	191	
2013/03/04 20:24:41	42262 2001 PE6	5.2	17.92	6.22	19	0.6	36°30'07" 50°08'29"	56	1.4	TYC 30400488	11.71	13 ^h 02 ^m 32.529 ^s 5°05'04.040"	-43.1	150.0	119	50.9	151	
2013/03/04 22:21:42	1690 Mayrhofer	31.7	16.38	2.79	171	5.4	36°14'09" 48°30'43"	181	4.4	UCAC2 34805384	13.68	6 ^h 30 ^m 00.112 ^s 8°47'23.118"	-45.7	112.6	266	50.0	190	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 2		LinOccult 2.1.1				
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}
2013/03/04 23:40:12	69966 1998 VF46	5.2	17.32	5.98	67	0.6	36°01'22" 49°28'28"	196	1.2	UCAC2 30366947	11.34	9 ^h 30 ^m 13.249 ^s −4°13'33.608"	20.0	236	154.7	−40.1	108.8	2.0	49.3	158
2013/03/05 03:03:08	7099 Feuerbach	9.1	18.05	6.18	71	0.5	36°43'60" 50°37'09"	27	1.8	UCAC2 23655232	11.88	16 ^h 47 ^m 21.982 ^s −20°52'09.356"	19.0	173	91.4	−11.5	4.4	19.0	47.7	192
2013/03/05 16:47:43	3572 Leogoldberg	10.5	17.29	3.69	96	0.8	36°14'35" 50°54'31"	358	2.2	UCAC2 38930284	13.64	5 ^h 31 ^m 02.753 ^s 20°05'58.519"	59.4	197	98.1	−14.5	177.8	−60.0	41.2	162
2013/03/05 21:43:09	1083 Salvia	12.6	15.88	2.35	240	0.7	38°03'58" 51°53'33"	32	0.5	UCAC2 40644103	13.67	4 ^h 57 ^m 26.547 ^s 25°22'37.214"	18.3	288	90.6	−45.9	166.2	−23.2	38.9	117
2013/03/06 15:36:21	1977 Shura	60.8	17.34	6.54	147	1.9	36°29'44" 51°21'36"	6	8.2	TYC 122201499	10.80	2 ^h 36 ^m 05.120 ^s 22°25'13.989"	50.8	239	57.9	−2.8	123.9	−53.7	30.7	246
2013/03/06 16:05:29	56294 1999 NF47	5.8	19.04	7.54	178	0.6	36°45'40" 51°37'18"	11	0.8	UCAC2 38071151	11.50	8 ^h 41 ^m 48.949 ^s 17°42'07.228"	39.9	112	142.1	−7.4	150.8	−56.3	30.6	208
2013/03/06 19:54:23	9659 1996 EJ	12.6	16.11	5.14	74	2.0	37°19'18" 50°02'49"	90	3.1	UCAC2 37355634	10.98	8 ^h 04 ^m 39.143 ^s 15°37'34.691"	52.7	210	133.6	−39.8	161.4	−47.0	28.9	143
2013/03/07 15:52:04	93943 2000 WR172	5.8	17.80	5.33	187	0.5	35°52'23" 48°23'19"	189	0.7	TYC 24200031	12.47	9 ^h 45 ^m 23.072 ^s 7°06'29.693"	20.5	104	158.3	−5.0	147.1	−47.0	20.7	229
2013/03/07 19:44:41	1323 Tugela	58.4	14.93	2.34	183	8.7	33°46'46" 50°25'03"	283	7.7	UCAC2 47187412	12.73	7 ^h 17 ^m 08.211 ^s 45°27'50.605"	70.2	268	115.0	−38.5	150.2	−52.3	19.2	174
2013/03/07 20:10:29	39453 4070 T-3	7.6	18.28	7.19	94	0.6	37°10'46" 49°25'44"	137	1.3	TYC 480400791	11.09	6 ^h 52 ^m 03.172 ^s −3°29'18.451"	25.8	227	114.3	−41.0	155.9	−49.7	19.1	208
2013/03/07 21:57:58	17282 2000 LS34	11.0	17.98	5.23	9	3.9	36°13'52" 50°07'05"	333	2.1	TYC 75300400	12.76	7 ^h 07 ^m 07.114 ^s 11°02'17.792"	24.6	257	118.9	−45.1	168.2	−35.5	18.5	205
2013/03/08 16:56:37	469 Argentina	125.6	14.18	3.19	187	9.5	34°45'40" 48°41'16"	216	16.2	TYC 240800018	11.05	5 ^h 33 ^m 15.280 ^s 33°06'21.316"	70.5	216	96.1	−15.1	134.0	−45.1	11.9	187
2013/03/08 17:23:34	9741 Solokhin	6.6	16.15	6.21	162	1.3	35°06'03" 51°17'40"	329	0.7	TYC 196201442	9.94	9 ^h 38 ^m 59.382 ^s 26°16'18.783"	50.8	112	148.2	−19.3	160.6	−47.9	11.8	103
2013/03/08 22:42:46	819 Barnardiana	13.8	16.97	4.19	105	0.6	37°16'00" 49°21'12"	138	2.5	UCAC2 40810359	12.80	4 ^h 19 ^m 12.996 ^s 25°51'27.957"	3.1	308	79.1	−43.1	115.4	−34.0	10.3	188
2013/03/08 22:57:29	1253 Frisia	30.1	17.82	4.22	138	3.0	37°26'15" 51°02'36"	37	3.9	UCAC2 28735880	13.63	13 ^h 32 ^m 46.489 ^s −8°55'24.484"	29.6	162	143.6	−42.2	106.6	−31.8	10.2	269
2013/03/09 03:24:26	25 Phocaea	75.1	11.89	2.77	50	6.2	36°54'04" 49°49'36"	119	23.1	TYC 619400387	9.21	15 ^h 49 ^m 01.514 ^s −19°49'04.607"	18.6	197	109.1	−6.7	74.7	8.8	9.0	116
2013/03/09 19:46:30	23474 1990 UX1	5.8	18.58	6.68	245	0.6	37°50'50" 48°06'09"	153	0.5	UCAC2 34618281	11.90	6 ^h 38 ^m 37.942 ^s 8°12'56.627"	36.3	233	110.0	−38.0	135.9	−48.9	5.1	181
2013/03/10 00:02:00	4195 Esambaev	10.5	16.79	4.09	146	0.9	37°37'44" 51°02'24"	41	1.7	UCAC2 35396843	12.73	10 ^h 07 ^m 24.151 ^s 10°20'48.808"	31.4	246	160.7	−35.9	174.4	−26.5	4.2	148
2013/03/10 18:44:49	7910 Aleksola	6.6	15.67	3.92	172	0.9	37°18'24" 51°27'20"	25	0.4	TYC 551800369	11.78	12 ^h 02 ^m 21.967 ^s −7°57'34.298"	15.3	123	164.7	−30.5	153.2	−37.7	1.5	87
2013/03/10 21:11:43	7854 Laotse	6.0	17.67	5.82	182	0.6	35°08'26" 48°35'35"	207	0.7	TYC 553401366	11.85	12 ^h 45 ^m 52.624 ^s −14°21'55.746"	21.0	150	152.7	−43.5	142.2	−44.0	1.3	131

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		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}
2013/03/11 17:26:20	1536 Pielinen	10.0	16.00	2.45	78	0.8	36°24'23" 50°44'52"	6	2.7 3.5	UCAC2 32039158	13.67	11 ^h 46 ^m 12.808 ^s 0°31'19.536"	13.7	106	174.4	-18.9	172.4	-17.9	0.2	115
2013/03/11 21:31:40	1152 Pawona	15.7	15.55	2.13	251	1.3	38°56'38" 51°32'44"	49	1.0 4.3	UCAC2 41339229	13.59	6 ^h 05 ^m 23.096 ^s 27°02'15.953"	28.2	279	99.9	-43.5	98.8	-39.3	0.1	146
2013/03/11 22:38:47	60142 1999 TS290	6.3	18.71	6.80	101	0.5	37°04'10" 50°48'19"	34	1.1 1.2	UCAC2 34848349	11.91	12 ^h 58 ^m 57.738 ^s 8°59'04.571"	48.5	167	156.8	-42.1	155.0	-37.8	0.1	207
2013/03/12 00:41:47	4353 Onizaki	12.0	16.41	2.79	82	0.7	36°56'42" 50°39'10"	35	2.6 3.0	UCAC2 25112078	13.71	17 ^h 05 ^m 14.012 ^s -17°33'01.954"	14.0	141	94.5	-30.3	96.6	-26.6	0.2	160
2013/03/12 02:50:14	1886 Lowell	20.7	16.94	4.34	232	0.7	34°17'48" 48°24'48"	218	1.9 4.8	UCAC2 23717274	12.62	18 ^h 34 ^m 18.061 ^s -20°57'07.263"	14.4	151	73.5	-11.2	77.0	-8.3	0.2	172
2013/03/12 03:18:19	778 Theobalda	64.1	16.58	2.97	191	2.6	34°25'56" 48°49'38"	224	7.0 8.5	UCAC2 18061848	13.68	19 ^h 06 ^m 51.175 ^s -32°38'59.034"	3.0	154	67.7	-6.7	72.3	-3.9	0.2	299
2013/03/12 03:26:33	66 Maja	72.8	15.21	1.93	243	2.6	37°58'48" 51°56'56"	30	7.2 13.1	UCAC2 21642112	13.48	19 ^h 02 ^m 14.496 ^s -25°27'10.902"	10.7	155	67.5	-5.4	71.7	-2.6	0.2	220
2013/03/13 23:02:17	1661 Granule	14.5	16.15	3.20	111	2.6	37°26'32" 50°42'47"	48	3.1 5.9	UCAC2 22935097	13.01	15 ^h 19 ^m 39.081 ^s -22°14'29.070"	11.0	146	119.9	-39.9	146.0	-30.3	5.1	98
2013/03/14 18:44:56	2274 Ehrsson	10.5	16.78	3.79	15	0.6	36°16'47" 49°54'59"	182	2.7 2.7	UCAC2 40646370	13.02	5 ^h 15 ^m 31.667 ^s 25°10'46.678"	43.8	257	85.8	-29.3	50.3	1.6	9.3	157
2013/03/14 19:32:52	43831 1993 FP29	7.2	18.21	6.33	105	0.5	36°05'20" 50°59'09"	352	1.3 1.6	TYC 71702598	11.89	6 ^h 00 ^m 18.970 ^s 8°31'20.091"	30.4	245	95.7	-35.0	61.7	-5.2	9.5	185
2013/03/14 21:51:30	49403 1998 XE45	5.8	18.05	6.45	249	0.5	35°06'13" 47°57'05"	200	0.4 1.5	UCAC2 36303038	11.61	13 ^h 26 ^m 06.922 ^s 12°34'16.259"	47.6	143	151.6	-42.4	153.2	-21.0	10.1	154
2013/03/14 23:36:01	13493 Lockwood	6.9	18.82	7.05	86	0.6	35°15'05" 50°26'39"	301	1.3 1.4	UCAC2 37861843	11.77	6 ^h 22 ^m 42.404 ^s 17°08'42.728"	2.4	294	101.0	-36.7	63.7	-26.4	10.5	196
2013/03/15 01:58:19	1471 Tornio	33.0	16.65	4.34	251	2.1	33°40'14" 48°34'37"	229	3.0 6.5	UCAC2 15808543	12.33	17 ^h 23 ^m 45.217 ^s -37°33'13.260"	0.3	163	91.8	-18.3	129.7	-21.7	11.2	204
2013/03/15 15:48:43	880 Herba	36.0	17.15	5.84	196	5.2	34°58'37" 48°30'43"	209	4.4 6.9	TYC 20100990	11.32	8 ^h 23 ^m 07.017 ^s 2°39'08.721"	32.5	132	130.4	-2.4	87.4	37.8	14.9	207
2013/03/15 16:22:59	36827 2000 SP89	7.2	17.47	6.67	136	0.9	37°55'03" 50°41'24"	58	1.0 1.2	TYC 543601163	10.80	8 ^h 26 ^m 46.661 ^s -12°46'17.502"	21.6	147	129.4	-7.9	92.2	32.8	15.1	237
2013/03/15 17:31:18	1819 Laputa	48.9	16.31	3.65	21	7.0	36°10'30" 49°52'17"	202	9.3 9.3	UCAC2 41019458	12.70	8 ^h 25 ^m 10.077 ^s 26°11'11.496"	64.2	151	126.9	-18.6	81.0	22.4	15.5	209
2013/03/15 18:52:41	2122 Pyatiletka	13.2	16.80	5.06	104	0.8	35°56'39" 49°08'30"	194	2.6 3.2	UCAC2 40314286	11.75	5 ^h 42 ^m 00.917 ^s 24°02'50.975"	45.2	253	90.7	-30.0	43.9	9.9	15.9	162
2013/03/15 23:43:26	6794 Masu-isakura	19.1	16.50	3.19	209	2.6	36°10'44" 51°55'23"	358	2.2 3.7	UCAC2 45981042	13.37	8 ^h 24 ^m 29.784 ^s 40°32'22.929"	35.8	293	120.8	-35.6	74.9	-22.2	17.4	205
2013/03/16 17:58:51	3786 Yamada	20.0	14.86	1.44	133	2.0	35°10'50" 49°05'32"	217	3.6 6.1	UCAC2 27293919	13.75	10 ^h 07 ^m 17.023 ^s -12°43'33.623"	21.6	147	151.7	-22.4	103.7	27.3	23.3	131
2013/03/16 19:49:49	10936 1998 FN11	10.5	16.84	3.61	230	1.3	33°04'38" 49°57'37"	268	0.8 2.8	UCAC2 31160044	13.27	8 ^h 40 ^m 53.940 ^s -1°49'40.830"	36.0	202	133.6	-36.0	79.1	10.3	23.9	148

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2013/03/16 22:39:31	41235 1999 XB24	6.3	18.75	9.24	217	0.7	33°55'10" 48°50'41"	232	0.7	TYC 613500816	9.51	13 ^h 45 ^m 49.162 ^s −21°20'12.132"	17.4	165	142.9	−40.1	154.1	−11.7	24.9	195
2013/03/17 00:14:53	117832 2005 JL55	8.3	20.39	10.35	140	1.0	38°04'57" 49°33'06"	113	0.6	TYC 80100521	10.04	8 ^h 33 ^m 25.026 ^s 10°34'36.628"	10.4	274	131.1	−31.8	71.2	−19.2	25.5	490
2013/03/17 00:59:59	20755 2000 BX6	10.0	17.76	5.06	236	0.8	39°06'52" 51°10'32"	58	1.0	UCAC2 18696457	12.71	16 ^h 27 ^m 54.980 ^s −31°02'52.399"	6.9	162	106.0	−26.0	163.7	−20.9	25.8	190
2013/03/17 16:59:35	29567 1998 FT13	10.5	17.91	8.41	77	1.0	35°40'06" 49°28'43"	215	1.9	TYC 244400337	9.50	6 ^h 48 ^m 27.600 ^s 34°38'46.865"	74.5	194	102.8	−13.2	37.2	44.5	31.5	209
2013/03/17 19:29:10	3714 Kenrus-sell	11.1	17.08	3.80	15	0.5	36°29'08" 50°00'44"	105	2.7	UCAC2 45141905	13.32	5 ^h 23 ^m 08.632 ^s 38°22'57.735"	44.6	280	85.5	−33.6	23.3	21.8	32.4	165
2013/03/17 21:07:18	3321 Dasha	10.0	17.60	3.83	247	0.7	35°12'31" 47°56'47"	198	0.9	UCAC2 37858382	13.80	6 ^h 08 ^m 54.007 ^s 17°17'55.667"	21.8	271	94.9	−40.7	25.3	7.1	33.0	185
2013/03/17 21:38:20	1730 Marce-line	13.8	17.23	3.94	252	1.4	38°34'48" 51°47'16"	40	1.2	UCAC2 29654936	13.32	14 ^h 17 ^m 03.660 ^s −6°26'53.164"	24.8	138	142.5	−41.2	146.5	2.7	33.2	181
2013/03/18 00:40:30	11798 Davids-son	6.3	17.59	7.08	55	0.9	36°21'59" 50°32'07"	6	1.6	TYC 194700870	10.51	8 ^h 26 ^m 20.041 ^s 29°59'11.158"	19.2	294	123.6	−28.2	53.8	−16.6	34.4	149
2013/03/18 15:43:46	1302 Werra	22.9	16.37	2.95	177	0.5	36°32'10" 48°28'09"	174	2.7	UCAC2 33863199	13.50	1 ^h 18 ^m 40.550 ^s 6°26'26.493"	18.4	258	22.6	−0.9	55.8	58.7	40.1	269
2013/03/18 19:20:40	4836 Medon	67.8	16.25	6.29	209	5.3	36°18'42" 48°10'25"	180	6.7	TYC 251900897	9.97	10 ^h 49 ^m 51.108 ^s 32°30'25.621"	67.5	133	144.8	−32.4	75.2	31.0	41.5	331
2013/03/18 19:59:16	7458 1984 DE1	15.1	17.87	5.38	211	2.0	38°00'55" 51°35'30"	36	1.7	UCAC2 40168054	12.50	6 ^h 46 ^m 41.401 ^s 23°54'11.134"	43.0	256	102.5	−36.2	22.5	25.0	41.7	239
2013/03/18 20:31:12	2416 Sharonov	27.8	16.76	3.69	65	2.3	36°19'47" 50°38'02"	3	4.7	UCAC2 37684541	13.11	6 ^h 25 ^m 58.526 ^s 16°48'56.625"	29.4	261	98.0	−38.6	17.9	20.1	41.9	224
2013/03/18 22:00:09	8481 1988 LH	8.3	18.44	6.34	183	0.7	35°11'23" 48°33'57"	205	1.1	TYC 131801029	12.10	6 ^h 09 ^m 43.151 ^s 18°02'42.866"	13.4	282	94.0	−40.7	13.1	6.8	42.5	198
2013/03/19 01:38:00	50862 2000 FX73	7.6	17.85	6.54	249	0.6	34°03'45" 48°20'48"	220	0.6	TYC 200900417	11.31	14 ^h 07 ^m 14.228 ^s 27°01'49.873"	59.9	230	138.5	−19.9	113.0	−16.9	43.9	168
2013/03/19 20:34:46	7483 Seki-takakazu	10.5	17.56	4.09	129	2.2	36°46'15" 51°10'07"	16	1.8	UCAC2 39144747	13.50	9 ^h 16 ^m 10.190 ^s 20°55'53.257"	55.7	221	135.6	−38.4	45.1	26.7	51.4	183
2013/03/20 02:16:15	1202 Marina	54.9	16.57	5.76	201	4.6	34°48'26" 48°31'16"	212	6.2	TYC 141100123	10.82	9 ^h 52 ^m 57.586 ^s 17°07'13.417"	6.9	288	144.9	−13.8	51.6	−16.9	53.6	265
2013/03/20 15:56:40	12003 Hideo-sugai	13.2	17.73	3.81	36	0.8	36°01'52" 49°46'22"	211	2.2	UCAC2 43594895	13.95	5 ^h 56 ^m 30.625 ^s 33°41'25.742"	73.6	194	89.3	−2.4	18.1	58.6	59.0	238
2013/03/20 17:05:32	6295 Schmoll	6.3	18.32	8.27	184	0.6	37°09'46" 51°36'03"	20	0.8	TYC 189801144	10.05	6 ^h 58 ^m 26.490 ^s 24°35'02.414"	64.3	193	103.2	−13.3	6.5	58.1	59.4	162
2013/03/21 20:23:36	4568 Menkaure	15.8	15.48	4.41	100	1.3	36°33'43" 50°55'27"	11	3.3	HIP 59376	11.09	12 ^h 10 ^m 55.721 ^s 0°23'48.596"	37.4	153	178.1	−37.0	68.1	40.2	69.8	156
2013/03/22 00:20:58	7849 Janjose-fric	6.0	18.37	7.20	29	1.1	36°39'05" 50°10'04"	63	1.4	TYC 193300128	11.17	7 ^h 51 ^m 04.816 ^s 27°16'49.924"	12.6	298	113.1	−29.1	11.2	3.8	71.2	163

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 5		LinOccult 2.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}
2013/03/22 21:21:34	845 Naema	54.4	16.03	2.29	231	2.3	33°53'09" 48°40'57"	228	5.7	UCAC2 43233725	13.88	5 ^h 00 ^m 02.497 ^s 32°34'29.954"	17.3	300	75.2	-39.1	52.0	36.3	78.7	217
2013/03/22 22:20:29	19504 Vladalek-seev	8.7	17.48	5.98	69	1.2	35°34'44" 49°37'38"	227	2.0	UCAC2 31343780	11.50	14 ^h 47 ^m 21.502 ^s −1°02'19.012"	33.0	144	140.2	-38.5	93.2	27.5	79.0	158
2013/03/23 15:57:54	18955 2000 QY122	7.6	18.78	9.58	82	0.8	35°08'36" 50°06'09"	274	1.3	TYC 18400177	9.20	7 ^h 45 ^m 08.937 ^s 2°27'34.871"	39.9	155	113.5	-1.9	23.0	38.5	84.6	214
2013/03/23 18:06:31	2887 Krinov	8.7	17.85	6.90	109	0.6	36°00'18" 49°05'08"	191	1.7	TYC 187801143	10.95	6 ^h 17 ^m 43.159 ^s 23°13'04.716"	52.0	238	91.0	-21.5	44.3	49.8	85.3	168
2013/03/23 19:52:22	5465 Chumakov	11.0	18.20	6.53	149	0.6	35°22'27" 48°50'38"	206	1.5	TYC 186302400	11.67	5 ^h 57 ^m 48.219 ^s 22°30'54.431"	32.1	267	86.3	-33.9	49.7	48.2	85.8	232
2013/03/23 21:54:58	1160 Illyria	16.6	16.06	4.49	185	2.0	35°44'49" 51°40'39"	348	2.1	TYC 196201058	11.59	9 ^h 39 ^m 24.202 ^s 25°25'54.010"	49.8	248	134.4	-38.8	16.1	35.1	86.5	156
2013/03/24 00:55:49	20410 1998 QM51	9.1	17.20	5.34	194	1.7	36°28'02" 48°18'32"	176	1.1	UCAC2 24122336	11.87	14 ^h 21 ^m 06.785 ^s −19°43'30.337"	18.8	197	143.5	-24.0	77.3	7.5	87.3	159
2013/03/24 01:45:50	4388 Jurgensstock	7.2	18.39	6.65	138	0.8	34°21'51" 49°56'25"	265	1.2	TYC 562301107	11.75	15 ^h 58 ^m 19.237 ^s −14°23'40.488"	25.6	185	122.7	-16.9	98.8	-0.3	87.5	166
2013/03/24 18:24:31	2034 Bernoulli	11.0	16.13	2.34	76	0.6	36°56'57" 50°35'18"	38	3.0	UCAC2 43258549	13.92	6 ^h 49 ^m 13.343 ^s 32°51'51.219"	60.7	247	96.3	-23.7	52.7	44.3	91.9	121
2013/03/24 21:15:51	31243 1998 DW10	6.6	18.62	7.05	171	1.0	33°55'07" 50°18'07"	280	0.9	UCAC2 43438747	11.57	8 ^h 10 ^m 58.749 ^s 33°04'24.300"	46.7	269	112.8	-38.2	39.2	41.3	92.5	195
2013/03/24 21:41:10	38516 1999 TQ248	11.0	17.29	4.41	20	0.8	36°33'22" 50°05'06"	78	2.3	UCAC2 29458488	12.90	10 ^h 49 ^m 52.477 ^s −6°49'44.113"	30.3	205	158.0	-38.5	15.7	38.8	92.6	192
2013/03/24 22:17:09	32521 2001 OR80	7.2	18.25	6.07	40	0.8	36°48'32" 50°10'59"	68	1.7	TYC 616001777	12.19	14 ^h 25 ^m 12.270 ^s −19°50'14.240"	17.3	157	143.5	-37.8	66.9	34.7	92.7	168
2013/03/24 23:08:56	40132 1998 QL48	6.6	18.28	7.84	181	0.6	38°05'31" 51°12'17"	45	0.9	TYC 554700902	10.44	13 ^h 21 ^m 26.039 ^s −12°00'41.393"	27.9	186	160.7	-35.0	49.4	27.8	93.0	179
2013/03/25 02:30:43	4419 Allancook	11.0	17.99	4.30	55	0.6	36°22'30" 50°32'03"	7	2.1	UCAC2 22773938	13.71	18 ^h 36 ^m 49.555 ^s −22°58'45.642"	14.4	159	86.0	-9.7	122.7	-3.3	93.7	198
2013/03/25 16:36:53	190268 2007 XU3	11.0	19.99	7.58	183	0.8	38°02'09" 51°15'44"	43	0.8	UCAC2 31331027	12.41	9 ^h 40 ^m 24.508 ^s −1°27'31.247"	30.0	137	140.5	-7.6	18.2	24.0	96.4	549
2013/03/25 19:46:41	14802 1981 DJ2	6.0	18.75	7.62	20	0.6	36°01'19" 50°00'13"	256	1.2	UCAC2 30853670	11.13	9 ^h 28 ^m 00.516 ^s −2°47'13.035"	35.9	198	137.3	-32.7	23.0	41.2	96.9	196
2013/03/26 17:49:46	2600 Lumme	15.8	17.64	4.34	66	0.9	36°25'59" 50°37'51"	9	2.5	UCAC2 40821278	13.32	5 ^h 52 ^m 09.283 ^s 25°36'15.624"	50.9	247	82.2	-18.3	89.6	23.1	99.4	244
2013/03/26 18:45:07	75523 1999 XX206	5.5	19.24	8.11	193	0.9	38°17'34" 48°54'39"	131	0.7	UCAC2 43098455	11.13	9 ^h 05 ^m 06.100 ^s 32°19'25.424"	72.1	195	121.8	-25.7	52.2	29.3	99.4	211
2013/03/26 19:35:45	11479 1986 EP5	10.5	18.99	5.75	37	0.7	36°29'19" 50°21'04"	23	1.6	UCAC2 39458352	13.24	6 ^h 16 ^m 36.540 ^s 21°35'24.067"	35.3	262	87.7	-31.3	84.7	33.6	99.5	261
2013/03/26 23:19:40	18917 2000 OG48	6.0	17.62	6.10	220	0.8	38°59'23" 51°01'27"	61	0.4	UCAC2 29288315	11.53	15 ^h 06 ^m 33.194 ^s −7°13'50.329"	31.2	162	139.0	-33.4	47.3	29.9	99.7	122

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		LinOccult 2.1.1			
Date Time (UTC)	Asteroid			Nearest point			Star				Sun		Moon							
	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}
2013/03/28 02:50:29	7282 1989 BC	10.5	17.51	4.87	253	0.5	35°13'25'' 47°52'51''	197	0.8	UCAC2 25183629	12.65	18 ^h 47 ^m 14.969 ^s −17°47'44.737''	20.6	162	86.1	-5.6	84.7	5.5	99.3	175
2013/03/29 02:18:29	70005 1998 XN28	11.0	17.45	5.77	80	1.6	36°04'58'' 50°45'24''	350	2.1	TYC 558700359	11.68	14 ^h 59 ^m 27.335 ^s −12°34'59.423''	21.2	214	142.1	-10.2	16.4	13.6	96.3	193
2013/03/29 02:34:57	905 Universi- tas	21.4	16.18	4.82	82	1.7	35°22'17'' 49°36'31''	233	5.1	TYC 683200635	11.37	17 ^h 46 ^m 32.936 ^s −26°12'41.372''	13.7	175	101.4	-7.7	56.1	11.5	96.2	142
2013/03/29 16:25:12	469 Argentina	125.6	14.35	1.98	39	5.9	36°26'00'' 50°22'59''	16	23.7	UCAC2 42901125	12.56	5 ^h 52 ^m 08.386 ^s 31°44'24.347''	65.8	230	79.5	-4.7	130.3	-22.2	93.3	205
2013/03/29 23:20:10	45495 2000 AF243	6.0	18.30	7.13	163	0.6	34°18'25'' 49°20'12''	241	0.9	UCAC2 28727978	11.17	10 ^h 18 ^m 23.974 ^s −8°31'36.721''	12.3	240	146.0	-32.2	64.7	23.7	91.5	174
2013/03/30 18:37:04	83730 2001 TP116	5.5	19.83	7.48	54	0.8	37°00'54'' 50°10'15''	75	0.7	TYC 247300733	12.35	8 ^h 12 ^m 30.174 ^s 33°44'28.895''	67.9	231	107.3	-23.5	115.9	-13.0	85.6	294
2013/03/30 20:17:17	31668 1999 JX3	8.7	18.71	7.86	127	0.7	36°57'02'' 51°06'13''	22	1.3	TYC 189600157	10.85	7 ^h 12 ^m 28.065 ^s 23°58'57.236''	36.7	264	96.4	-33.4	129.1	1.2	85.1	238
2013/03/30 20:44:14	30522 2001 MQ15	7.9	18.68	11.08	225	0.6	37°51'01'' 51°48'26''	30	0.3	HIP 72521	7.60	14 ^h 49 ^m 38.387 ^s 1°30'16.085''	27.5	125	146.5	-34.9	22.9	4.7	84.9	108
2013/03/31 01:01:18	22114 2000 RB50	6.6	17.53	5.95	30	2.2	36°42'45'' 50°03'47''	87	2.1	UCAC2 22941943	11.58	16 ^h 09 ^m 53.750 ^s −22°15'18.107''	17.8	178	125.6	-20.7	6.3	21.2	83.2	125
2013/03/31 16:05:34	2847 Parvati	10.0	17.32	5.27	166	0.6	36°08'36'' 48°33'31''	184	1.5	UCAC2 39289020	12.06	6 ^h 27 ^m 06.805 ^s 21°09'46.358''	60.3	199	85.4	-1.1	151.2	-45.8	77.6	170
2013/03/31 16:26:41	2307 Garuda	41.2	17.05	4.06	186	0.9	36°24'22'' 51°43'05''	3	4.2	UCAC2 36578687	13.02	1 ^h 33 ^m 42.669 ^s 13°55'09.754''	11.4	278	16.3	-4.4	138.7	-42.9	77.5	336
2013/03/31 17:30:16	19565 1999 KF4	10.5	19.16	5.63	62	1.1	36°50'57'' 49°37'31''	139	1.5	UCAC2 31840930	13.53	7 ^h 16 ^m 59.321 ^s 0°06'27.421''	37.7	204	99.1	-14.1	134.0	-33.5	77.1	273
2013/03/31 22:59:14	997 Priska	18.7	18.01	7.30	91	2.6	35°56'18'' 49°15'31''	196	3.3	TYC 78200576	10.71	7 ^h 39 ^m 46.338 ^s 10°17'21.854''	4.3	281	103.6	-32.9	135.9	11.7	74.8	205

