

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: 240

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	Az	Alt	Dist	Alt	Phase (%)	σ_{km}
2011/12/01 04:42:10	4558 Janesick	10.5	14.53	2.13	202	0.8	35°43'16" 48°16'01"	192	0.3 4.9	UCAC2 38759690	12.56	6 ^h 01 ^m 34.532 ^s 19°58'33.411"	-4.6	157.8	280	-41.2	125.9	-41.2	38.2	85
2011/12/01 18:04:27	25557 1999 XW171	5.8	16.75	5.22	215	0.7	34°35'06" 48°28'08"	215	0.4 1.8	UCAC2 33509473	11.53	2 ^h 37 ^m 27.382 ^s 5°17'33.955"	-42.2	148.3	150	21.4	68.5	21.4	43.6	129
2011/12/01 22:17:47	47071 1998 XO77	5.0	17.44	6.69	97	0.6	36°54'52" 50°49'23"	27	1.1 1.4	TYC 133300784	10.75	6 ^h 39 ^m 43.228 ^s 18°41'44.454"	-60.0	149.5	148	-15.2	125.9	-15.2	45.4	139
2011/12/01 22:59:35	759 Vinifera	45.1	14.49	4.34	194	3.9	36°21'45" 48°18'17"	178	4.0 15.1	TYC 330100340	10.17	2 ^h 52 ^m 46.216 ^s 48°17'38.873"	-56.2	147.1	286	-21.4	80.2	-21.4	45.7	118
2011/12/02 00:09:31	30928 Jefferson	7.6	17.41	6.32	9	0.6	36°24'22" 50°02'44"	91	2.1 2.1	TYC 251100512	11.09	10 ^h 24 ^m 51.924 ^s 31°45'10.243"	-47.1	102.4	100	-31.1	153.0	-31.1	46.2	145
2011/12/02 01:43:42	17966 1999 JS43	5.8	17.36	5.68	242	0.6	38°07'11" 51°53'30"	33	0.2 2.0	TYC 140301631	11.68	9 ^h 27 ^m 05.820 ^s 15°07'40.139"	-32.4	110.0	165	-40.9	162.9	-40.9	46.8	113
2011/12/02 16:05:56	243084 2007 NL7	11.0	19.51	6.81	24	0.7	36°17'45" 49°49'43"	178	0.9 0.9	UCAC2 44119670	12.70	6 ^h 32 ^m 12.790 ^s 35°18'10.078"	-23.3	150.8	53	38.0	112.0	38.0	52.6	484
2011/12/02 17:32:26	108199 2001 HX21	6.0	16.56	4.69	162	0.6	35°22'54" 51°22'53"	336	0.9 1.8	UCAC2 45478948	11.88	5 ^h 29 ^m 27.095 ^s 39°28'07.955"	-37.2	158.7	73	33.3	98.4	33.3	53.2	130
2011/12/02 18:20:48	252173 2001 DL10	12.0	18.97	5.91	211	1.3	35°17'13" 51°50'02"	340	1.0 1.1	UCAC2 36808053	13.07	7 ^h 17 ^m 10.115 ^s 14°01'11.441"	-44.7	140.5	83	28.6	125.3	28.6	53.5	436
2011/12/02 19:16:14	20293 Sirichelson	5.2	17.18	7.98	193	0.5	35°17'35" 51°39'51"	338	0.4 1.9	TYC 187102084	9.20	5 ^h 53 ^m 10.458 ^s 27°37'27.101"	-52.5	161.1	100	21.8	103.6	21.8	53.9	109
2011/12/02 20:30:11	29136 1987 SQ4	5.5	18.52	7.41	105	0.7	35°39'36" 50°54'06"	335	1.1 1.4	TYC 77201420	11.12	7 ^h 25 ^m 00.399 ^s 11°56'44.748"	-60.2	138.1	109	11.4	126.4	11.4	54.4	152
2011/12/02 20:44:37	7003 Zoy-amironova	10.0	16.90	5.03	202	1.3	35°48'34" 51°50'17"	350	1.1 2.7	UCAC2 41697409	11.88	6 ^h 55 ^m 16.283 ^s 28°18'11.013"	-61.1	147.5	105	9.2	116.2	9.2	54.5	147
2011/12/02 21:33:28	3712 Kraft	15.8	14.74	1.67	67	1.8	35°23'59" 50°15'01"	290	3.0 3.2	UCAC2 45333328	13.34	7 ^h 30 ^m 08.741 ^s 38°33'38.420"	-62.0	139.0	95	1.8	119.2	1.8	54.9	198
2011/12/03 01:38:45	93563 2000 UY37	5.5	17.97	6.22	47	0.5	36°14'38" 49°37'43"	184	1.2 1.2	TYC 129901144	11.76	5 ^h 47 ^m 23.318 ^s 16°06'46.564"	-33.4	161.9	244	-32.3	99.8	-32.3	56.5	181
2011/12/03 02:36:53	51755 2001 LC3	10.0	16.81	4.23	252	0.6	34°42'08" 48°01'56"	207	0.8 2.2	UCAC2 44265736	12.60	4 ^h 00 ^m 15.666 ^s 35°44'22.215"	-24.1	164.2	293	-37.1	76.1	-37.1	56.9	182
2011/12/03 04:21:47	3510 Veeder	11.5	16.55	2.74	47	1.0	36°35'20" 50°25'15"	27	3.0 3.1	UCAC2 40664798	13.90	6 ^h 27 ^m 51.047 ^s 25°05'04.763"	-7.9	154.1	277	-39.4	106.9	-39.4	57.6	147
2011/12/03 04:26:45	17979 1999 JS55	7.2	19.07	7.76	184	0.5	36°27'48" 51°42'02"	4	0.9 1.4	TYC 142800415	11.31	10 ^h 48 ^m 29.032 ^s 16°56'39.093"	-7.1	93.4	201	-39.3	161.6	-39.3	57.6	207
2011/12/03 14:23:44	3687 Dzus	28.6	16.21	4.29	21	0.7	36°05'19" 49°54'23"	222	4.7 4.7	UCAC2 29002597	11.94	19 ^h 44 ^m 09.931 ^s -8°29'27.927"	-7.6	46.8	212	36.9	57.4	36.9	61.5	243
2011/12/03 18:53:17	1188 Gothlandia	12.4	14.40	2.49	232	1.4	37°38'24" 48°09'57"	155	0.1 6.2	TYC 800678	12.03	0 ^h 18 ^m 01.527 ^s 6°07'04.678"	-49.5	115.4	217	33.8	10.3	33.8	63.2	80
2011/12/03 19:12:51	32914 1995 AG1	5.2	16.69	5.11	132	0.6	35°28'22" 51°06'57"	334	0.9 2.1	TYC 240901460	11.59	5 ^h 42 ^m 12.298 ^s 32°03'15.267"	-52.2	162.6	98	31.5	88.9	31.5	63.3	101

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Date Time (UTC)	Asteroid			Nearest point			Star			Sum		Moon								
	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}			
2011/12/03 19:21:48	13049 Butov	7.9	15.82	4.77	237	1.0	34°13'29" 51°43'39"	322	0.3	TYC	11.06	4 ^h 18 ^m 22.703 ^s 1°23'39.485"	36.9	147	158.7	-53.3	69.7	30.4	63.4	117
2011/12/04 02:22:15	47602 2000 AC231	5.2	16.88	7.43	89	0.6	36°19'30" 50°50'35"	2	1.2	HIP	9.45	5 ^h 00 ^m 41.555 ^s 0°26'10.393"	13.6	254	157.7	-26.6	77.1	-28.2	66.1	145
2011/12/04 02:26:00	52075 2002 RL7	6.0	16.83	5.43	69	0.7	36°53'20" 49°34'06"	141	1.5	UCAC2	11.41	6 ^h 53 ^m 57.072 ^s 3°15'18.059"	31.5	231	142.3	-26.0	105.0	-28.5	66.2	142
2011/12/04 02:43:08	16277 2000 JW74	6.0	17.11	5.55	244	0.6	35°00'10" 48°01'34"	202	0.4	UCAC2	11.57	4 ^h 00 ^m 57.668 ^s 13°59'00.439"	11.1	279	167.8	-23.2	61.7	-30.0	66.2	140
2011/12/04 04:45:32	16186 2000 AK164	7.2	17.83	8.45	173	1.2	35°40'57" 51°33'02"	346	1.0	TYC	9.38	7 ^h 46 ^m 43.647 ^s 1°49'31.374"	18.1	250	130.3	-4.6	117.1	-35.0	67.1	146
2011/12/04 18:34:29	51996 2001 TH118	8.7	17.04	5.53	43	0.7	36°46'09" 49°48'45"	127	2.0	UCAC2	11.51	5 ^h 11 ^m 08.242 ^s 39°26'24.112"	54.0	88	161.7	-46.8	71.5	43.8	72.0	165
2011/12/04 18:56:56	23769 Russell- babb	5.0	17.43	6.36	120	1.5	36°22'10" 48°58'21"	177	1.0	TYC	11.07	7 ^h 40 ^m 59.045 ^s 19°34'04.129"	20.3	83	138.4	-50.1	105.7	41.8	72.0	114
2011/12/04 20:02:01	51755 2001 LC3	10.0	16.82	5.34	92	0.6	37°10'24" 49°27'27"	136	1.9	UCAC2	11.49	3 ^h 58 ^m 22.511 ^s 35°24'25.660"	74.1	151	163.6	-58.0	55.9	34.5	72.5	182
2011/12/04 21:30:58	2950 Rousseau	13.3	15.37	4.08	86	4.0	36°51'44" 50°43'23"	29	3.6	UCAC2	11.32	8 ^h 01 ^m 03.361 ^s 17°18'04.586"	39.8	113	133.3	-62.4	109.6	22.0	72.9	111
2011/12/05 00:50:15	825 Tanina	11.2	15.51	6.86	47	1.4	36°18'00" 49°37'31"	179	5.6	HIP	8.65	9 ^h 37 ^m 38.798 ^s 15°27'30.418"	51.3	145	110.7	-41.4	130.0	-8.1	74.2	56
2011/12/05 02:43:33	4148 McCart- ney	10.0	15.64	2.07	119	1.3	35°26'55" 49°07'32"	210	1.9	UCAC2	13.74	6 ^h 33 ^m 32.910 ^s 30°51'57.003"	47.0	264	154.1	-23.3	84.5	-22.1	74.8	96
2011/12/05 02:54:47	11395 1998 XN77	36.3	17.34	3.50	110	2.4	36°59'13" 49°10'17"	153	3.1	UCAC2	13.89	7 ^h 03 ^m 30.127 ^s -4°02'14.383"	22.3	233	136.9	-21.5	97.0	-23.2	74.9	450
2011/12/05 17:01:46	834 Burn- hamia	66.7	14.91	2.42	154	1.7	37°41'39" 49°00'52"	139	9.7	UCAC2	12.61	20 ^h 20 ^m 24.378 ^s -17°11'02.935"	4.2	237	50.3	-32.4	75.7	50.8	79.5	209
2011/12/05 18:00:23	18331 1987 DQ6	15.1	17.40	3.53	123	0.5	36°49'00" 51°06'12"	18	2.3	UCAC2	13.91	21 ^h 42 ^m 30.308 ^s -17°06'08.634"	7.4	232	69.1	-41.7	57.9	51.7	79.8	222
2011/12/05 18:20:52	44827 1999 TN247	5.5	18.99	7.14	195	0.6	34°56'19" 51°34'31"	330	0.7	UCAC2	11.85	23 ^h 46 ^m 37.484 ^s -4°43'46.436"	29.9	214	101.9	-44.9	25.8	51.2	79.9	174
2011/12/05 18:55:16	47766 2000 DP103	6.3	17.42	5.61	77	0.5	35°55'31" 50°41'43"	340	1.4	TYC	11.82	4 ^h 29 ^m 57.385 ^s 41°16'29.041"	65.5	98	160.7	-49.9	53.0	49.4	80.1	157
2011/12/05 23:12:55	11410 1999 FU34	18.2	17.65	4.46	44	1.2	36°28'39" 50°25'30"	18	2.8	UCAC2	13.21	6 ^h 19 ^m 07.469 ^s 28°59'51.805"	69.0	190	158.4	-55.3	71.6	16.0	81.4	259
2011/12/05 23:28:00	50992 2000 GL94	5.0	17.44	5.54	176	0.8	35°19'53" 48°35'39"	203	0.7	UCAC2	11.91	6 ^h 59 ^m 07.752 ^s 10°56'37.864"	51.1	177	146.6	-53.4	83.5	13.7	81.5	145
2011/12/06 15:42:06	19906 4138 T- 3	6.3	17.59	7.02	142	0.5	34°51'21" 50°56'07"	314	1.1	UCAC2	10.57	5 ^h 43 ^m 40.671 ^s 45°28'50.463"	28.4	52	154.5	-19.7	57.8	42.4	86.2	152
2011/12/06 17:29:21	3481 Xianglu- peak	7.6	15.89	6.69	200	2.9	35°42'11" 51°48'31"	348	0.2	TYC	9.20	7 ^h 47 ^m 35.324 ^s 11°20'05.491"	0.4	73	136.5	-36.8	86.1	53.6	86.7	85

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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}
2011/12/06 19:41:59	49432 1998 YD	8.7	16.69	4.89	139	0.7	34°49'17" 50°52'21"	311	1.5	UCAC2 45477968	11.81	5 ^h 25 ^m 41.541 ^s 39°17'32.359"	63.7	101	161.6	-56.0	51.4	52.7	87.3	146
2011/12/07 00:41:07	1660 Wood	18.1	14.42	2.79	22	1.5	36°03'20" 49°54'42"	228	8.7	UCAC2 26655859	11.71	8 ^h 10 ^m 41.040 ^s -14°22'35.891"	25.7	179	119.0	-43.1	95.2	12.0	88.6	80
2011/12/07 00:50:34	2263 Shaanxi	20.7	17.27	7.55	67	0.9	36°01'10" 50°37'35"	343	2.1	TYC 87300851	9.72	12 ^h 16 ^m 11.757 ^s 9°38'43.886"	26.7	108	74.8	-41.7	142.4	10.5	88.6	393
2011/12/07 04:50:51	2922 Dikan'ka	12.0	16.89	4.33	182	1.8	37°18'33" 51°32'60"	24	1.0	UCAC2 38053859	12.58	6 ^h 54 ^m 04.197 ^s 17°53'26.828"	19.3	275	151.3	-4.4	66.4	-18.6	89.6	102
2011/12/07 15:45:20	12213 1981 QN3	6.3	18.71	6.73	148	0.5	37°19'31" 51°12'05"	30	1.0	UCAC2 39126795	11.98	6 ^h 51 ^m 46.943 ^s 20°59'20.677"	1.6	58	152.9	-20.2	60.0	39.1	92.0	186
2011/12/07 17:38:27	3501 Olegiya	20.8	17.01	3.51	251	0.8	37°42'60" 47°59'31"	156	2.0	UCAC2 29568351	13.54	22 ^h 05 ^m 33.607 ^s -6°42'32.460"	21.0	229	76.0	-38.3	72.0	53.6	92.4	236
2011/12/08 01:33:44	54671 2000 WW102	6.0	18.23	7.19	101	0.6	36°41'22" 49°10'33"	163	1.3	TYC 141201649	11.04	10 ^h 06 ^m 20.280 ^s 15°27'48.849"	53.5	155	107.3	-35.0	100.8	13.2	94.0	153
2011/12/08 03:09:16	16873 1998 BO1	5.8	16.36	4.65	182	0.8	34°54'03" 48°40'52"	213	0.4	TYC 181001419	11.73	3 ^h 33 ^m 34.780 ^s 28°58'05.190"	12.1	301	160.2	-19.7	12.3	-0.3	94.4	99
2011/12/08 05:02:48	26363 1999 AG6	6.9	16.36	4.39	77	0.6	36°01'09" 49°22'31"	194	1.6	UCAC2 40978847	11.99	4 ^h 44 ^m 28.583 ^s 26°15'05.700"	4.2	307	175.3	-2.9	24.2	-13.1	94.7	149
2011/12/08 05:23:28	678 Fredegundis	41.8	11.58	0.64	10	5.6	36°20'15" 50°07'57"	21	19.7	UCAC2 40999210	11.83	6 ^h 21 ^m 44.308 ^s 26°18'00.279"	14.8	293	160.5	-0.1	45.7	-14.9	94.8	83
2011/12/08 16:01:42	21371 1997 TD28	15.1	18.40	6.91	186	1.0	37°50'52" 48°43'04"	143	1.4	UCAC2 41333499	11.49	5 ^h 46 ^m 40.050 ^s 27°19'41.461"	18.8	70	168.3	-22.8	32.7	36.2	96.5	374
2011/12/08 16:52:45	4466 Abai	12.0	17.65	4.60	140	0.7	37°09'39" 48°55'30"	153	1.9	UCAC2 29570891	13.06	23 ^h 01 ^m 10.610 ^s -6°49'40.836"	30.3	205	87.7	-31.0	71.0	43.9	96.6	190
2011/12/08 16:59:30	89871 2002 CU143	10.5	19.39	6.34	197	0.7	35°18'02" 51°41'58"	339	0.7	UCAC2 35349156	13.06	6 ^h 02 ^m 20.630 ^s 10°20'08.927"	12.8	89	160.6	-32.1	38.4	44.9	96.6	541
2011/12/08 21:09:01	6551 1988 XP	7.2	16.10	4.15	61	1.1	36°14'05" 49°30'04"	183	2.6	UCAC2 36091794	11.97	6 ^h 55 ^m 20.876 ^s 12°06'22.686"	43.6	133	150.7	-62.7	48.2	58.3	97.2	89
2011/12/08 21:16:30	18884 1999 YE9	8.7	17.09	5.11	223	0.6	37°16'31" 48°09'21"	161	0.7	UCAC2 42035758	11.99	6 ^h 11 ^m 28.972 ^s 29°00'39.751"	64.2	136	162.8	-62.8	35.7	57.7	97.2	145
2011/12/08 21:44:56	30419 2000 LU	7.2	16.97	5.50	16	0.7	36°20'47" 50°11'11"	15	2.1	TYC 181701178	11.47	3 ^h 57 ^m 59.931 ^s 25°21'25.679"	61.0	220	165.5	-62.6	6.3	55.0	97.3	138
2011/12/08 22:31:36	12104 Chesley	11.0	16.92	3.34	68	0.9	36°32'45" 50°38'04"	16	2.4	UCAC2 40996975	13.63	6 ^h 14 ^m 19.914 ^s 26°11'09.106"	66.4	175	162.9	-60.0	35.6	49.3	97.4	164
2011/12/08 22:41:58	5680 1989 YZ1	11.0	15.84	5.61	183	1.0	36°04'19" 48°24'20"	185	1.3	TYC 184500122	10.24	5 ^h 03 ^m 38.403 ^s 24°06'55.736"	60.7	215	178.4	-59.1	19.4	48.0	97.4	139
2011/12/09 15:48:42	9006 Voytkevych	11.0	15.98	5.47	174	1.1	38°39'05" 50°26'27"	75	1.3	TYC 468200462	10.52	1 ^h 16 ^m 50.125 ^s -2°01'22.018"	32.9	146	119.5	-20.7	50.2	27.6	99.1	120
2011/12/09 16:40:28	19731 1999 XA151	12.6	16.07	3.18	42	1.0	36°01'24" 50°23'01"	333	3.0	UCAC2 43063232	12.95	5 ^h 03 ^m 16.299 ^s 32°14'08.406"	35.7	80	170.5	-29.0	14.1	35.7	99.2	161

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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}
2011/12/09 17:11:29	322 Phaeo	70.8	13.76	3.38	260	2.0	37°48'54" 47°56'21"	155	5.0	UCAC2 28466145	10.43	21 ^h 02 ^m 20.780 ^s −9°40'08.204"	12.7	238	58.3	−34.0	111.6	40.4	99.2	165
2011/12/09 18:35:25	46302 OG13	2001	18.83	5.61	229	0.6	34°52'56" 51°54'28"	334	1.1	UCAC2 41682196	13.23	5 ^h 58 ^m 57.297 ^s 28°11'59.248"	42.5	95	166.5	−47.1	22.4	52.3	99.3	278
2011/12/09 20:26:49	3724 Annen-ski	14.2	14.83	1.58	150	1.4	37°13'41" 48°50'57"	153	2.1	UCAC2 40321780	13.53	6 ^h 08 ^m 29.193 ^s 24°07'22.771"	54.9	126	165.3	−60.5	23.2	62.0	99.4	116
2011/12/09 20:27:16	132800 QM	2002	16.75	6.40	146	0.5	34°26'10" 50°37'12"	296	0.8	TYC 406201470	10.35	3 ^h 36 ^m 01.527 ^s 60°56'50.857"	78.1	342	138.8	−60.6	39.8	62.0	99.4	197
2011/12/10 00:06:12	23970 YP6	1998	17.64	6.85	221	1.3	34°07'10" 48°39'23"	225	2.2	TYC 294300296	10.79	7 ^h 01 ^m 40.841 ^s 38°21'41.676"	76.2	217	150.7	−48.8	35.0	44.0	99.6	364
2011/12/10 00:44:16	11861 VY2	1988	15.94	2.57	164	1.5	37°45'28" 51°11'07"	40	2.8	UCAC2 42736640	13.48	6 ^h 27 ^m 31.254 ^s 31°12'46.201"	61.6	240	159.9	−43.1	26.1	38.3	99.7	213
2011/12/10 02:03:49	20995 VY	1985	18.64	5.67	198	0.8	38°38'43" 51°00'10"	58	1.3	UCAC2 43606844	12.97	7 ^h 03 ^m 49.727 ^s 33°53'53.266"	57.0	256	151.8	−30.4	33.5	26.0	99.7	323
2011/12/10 02:26:44	54802 ME19	2001	16.57	4.94	84	0.6	36°08'12" 50°47'54"	353	1.4	TYC 133200804	11.64	6 ^h 28 ^m 17.825 ^s 17°17'00.353"	35.9	253	159.9	−26.8	25.6	22.5	99.8	109
2011/12/10 02:54:59	118026 T-2	2151	16.76	4.90	142	0.6	37°25'44" 51°05'48"	35	0.9	UCAC2 42380868	11.87	5 ^h 51 ^m 09.365 ^s 30°23'11.589"	34.8	277	167.3	−22.2	17.4	18.2	99.8	143
2011/12/10 14:13:34	16924 FL61	1998	16.17	3.41	160	1.2	34°21'27" 50°47'04"	301	2.3	UCAC2 44267256	12.80	4 ^h 09 ^m 57.193 ^s 35°49'23.137"	24.4	63	161.9	−6.4	18.2	6.2	100.0	169
2011/12/10 18:02:50	94231 BQ65	2001	18.00	6.19	91	0.5	37°05'35" 49°24'49"	141	1.0	UCAC2 41516429	11.81	6 ^h 23 ^m 29.641 ^s 27°47'15.992"	33.7	86	162.4	−42.2	16.3	40.8	100.0	228
2011/12/10 19:21:55	17863 KN30	1998	16.97	5.32	31	1.0	36°13'58" 50°19'26"	353	2.3	UCAC2 44299060	11.65	7 ^h 16 ^m 07.589 ^s 35°49'15.300"	43.2	83	149.5	−53.6	28.8	52.0	100.0	160
2011/12/10 21:43:16	4358 Lynn	12.6	16.64	4.04	148	0.9	36°04'43" 48°43'23"	186	2.1	UCAC2 46123211	12.63	5 ^h 54 ^m 43.586 ^s 41°26'25.206"	80.2	147	159.1	−62.9	20.1	62.6	99.9	151
2011/12/10 21:59:24	1665 Gaby	14.1	14.40	1.63	77	2.1	37°13'59" 50°22'26"	62	4.5	UCAC2 34042769	13.04	3 ^h 03 ^m 24.454 ^s 6°44'23.211"	35.7	231	145.7	−62.3	37.4	62.4	99.9	75
2011/12/10 23:00:11	6462 Myougi	13.2	18.17	4.35	75	0.6	36°26'05" 49°22'40"	172	2.1	UCAC2 36475525	13.84	12 ^h 10 ^m 23.501 ^s 13°04'20.681"	15.2	88	81.5	−57.5	94.8	58.8	99.9	244
2011/12/11 01:32:08	8345 Ullmerspatz	10.5	14.27	3.42	8	1.0	36°18'56" 49°58'32"	166	4.6	TYC 190600694	10.90	6 ^h 55 ^m 07.225 ^s 29°53'27.238"	57.1	246	155.5	−35.7	19.9	38.9	99.8	90
2011/12/11 15:08:39	771 Libera	29.4	16.52	3.54	174	0.7	37°28'37" 48°41'41"	151	3.6	UCAC2 28628639	13.02	19 ^h 37 ^m 09.354 ^s −9°22'12.371"	16.9	231	37.2	−14.5	154.2	6.1	99.0	255
2011/12/11 15:12:30	217 Eudora	66.2	14.38	2.30	112	1.6	37°01'25" 49°09'35"	152	12.6	UCAC2 25897250	12.21	20 ^h 45 ^m 53.687 ^s −16°14'33.043"	17.8	213	50.5	−15.1	141.3	6.7	99.0	167
2011/12/11 15:12:30	217 Eudora	66.2	14.38	2.55	112	1.6	37°01'25" 49°09'35"	152	12.6	TYC 633101512	11.94	20 ^h 45 ^m 53.687 ^s −16°14'33.043"	17.8	213	50.5	−15.1	141.3	6.7	99.0	167
2011/12/11 15:19:51	6171 Uttorp	5.8	16.07	4.20	136	0.7	37°32'08" 49°07'41"	139	0.8	TYC 188900187	11.90	6 ^h 10 ^m 18.187 ^s 29°09'05.765"	12.4	59	165.6	−16.2	7.5	7.7	99.0	89

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	Phase (%)	σ_{km}		
2011/12/11 21:53:17	8499 SC13	8.7	17.32	6.35	195	0.9	36°02'03" 51°47'21"	355	1.0	TYC 135602541	10.98	7 ^h 02 ^m 28.792 ^s 22°25'56.057"	58.2	142	154.9	-62.7	10.3	60.7	98.3	157
2011/12/11 21:57:38	2876 Aeschylus	8.7	16.09	4.31	11	0.9	36°13'25" 49°57'32"	205	3.0	TYC 336201160	11.80	5 ^h 18 ^m 50.031 ^s 48°03'55.712"	85.6	247	154.8	-62.5	29.2	60.9	98.3	114
2011/12/12 15:26:06	37160 WR5	10.5	17.20	4.64	235	1.1	34°07'32" 51°39'48"	319	1.1	UCAC2 41659532	12.58	3 ^h 01 ^m 30.519 ^s 28°05'58.883"	42.4	95	149.2	-17.2	53.9	0.1	95.9	203
2011/12/12 17:40:50	3774 Megumi	18.2	17.33	5.11	256	0.6	36°15'08" 47°44'43"	181	1.7	UCAC2 28116784	12.23	21 ^h 12 ^m 33.239 ^s -10°34'21.624"	7.6	243	57.3	-38.7	147.4	19.5	95.5	243
2011/12/12 20:20:12	840 Zenobia	30.0	14.38	1.03	43	2.4	36°03'25" 50°24'29"	338	7.0	UCAC2 40806130	13.89	3 ^h 29 ^m 35.788 ^s 25°59'36.971"	65.0	202	155.3	-60.1	50.5	43.6	95.0	165
2011/12/12 21:10:47	8532 YW3	11.5	16.56	2.79	117	0.8	37°09'57" 49°09'44"	147	2.3	UCAC2 38077033	13.85	11 ^h 01 ^m 08.996 ^s 17°48'11.393"	13.5	78	100.6	-63.0	54.4	50.3	94.8	132
2011/12/12 21:37:15	9083 Ramboehm	11.0	15.16	2.70	70	1.0	36°45'40" 49°29'48"	151	2.9	UCAC2 40820530	12.56	5 ^h 48 ^m 16.540 ^s 25°31'24.371"	65.4	169	172.7	-63.2	20.1	53.3	94.7	133
2011/12/12 22:07:37	3658 Feldman	7.2	16.88	5.02	198	1.0	35°41'12" 48°18'53"	193	0.5	TYC 60701397	11.87	0 ^h 40 ^m 52.323 ^s 10°25'48.365"	14.9	269	113.0	-62.1	93.7	56.2	94.7	111
2011/12/12 23:24:53	5118 El-napoul	13.2	17.82	4.12	96	0.7	36°06'51" 49°11'44"	187	2.3	UCAC2 28375837	13.73	11 ^h 28 ^m 00.936 ^s -9°54'06.081"	8.9	117	83.9	-54.8	68.7	59.5	94.4	208
2011/12/13 01:08:44	43208 AW98	11.0	18.01	4.35	240	0.7	33°58'40" 48°30'13"	224	1.1	UCAC2 44652207	13.68	7 ^h 11 ^m 04.948 ^s 36°55'15.292"	66.7	246	152.1	-39.7	18.0	53.4	94.0	213
2011/12/13 16:09:13	3269 Vibert-Douglas	11.0	16.81	4.57	111	0.9	37°11'26" 49°14'42"	144	2.1	UCAC2 36224218	12.26	23 ^h 51 ^m 23.976 ^s 12°04'34.103"	52.2	184	101.5	-23.9	114.0	-3.3	90.6	162
2011/12/13 19:34:23	20995 VY	12.6	18.59	4.84	37	0.8	36°15'55" 50°22'38"	358	1.6	UCAC2 43778775	13.76	7 ^h 01 ^m 42.144 ^s 34°10'43.356"	48.4	91	155.6	-55.2	21.8	26.9	89.7	322
2011/12/13 19:40:51	221910 QT23	11.0	19.02	6.21	136	0.7	36°30'30" 48°50'14"	173	0.6	UCAC2 44988601	12.82	6 ^h 42 ^m 30.474 ^s 37°59'56.668"	54.9	92	157.2	-56.0	27.2	27.9	89.7	723
2011/12/13 21:53:10	46008 CY12	5.2	19.20	8.07	137	0.6	35°42'22" 51°13'13"	342	0.8	HIP 4443	11.13	0 ^h 56 ^m 50.259 ^s -11°35'22.684"	2.0	249	106.3	-62.9	109.3	46.6	89.1	204
2011/12/13 22:59:08	4148 McCartney	10.0	15.38	2.81	62	1.1	36°22'14" 50°36'07"	6	3.4	UCAC2 42562671	12.65	6 ^h 24 ^m 23.931 ^s 30°58'51.318"	70.4	199	164.2	-57.9	27.7	53.3	88.8	93
2011/12/13 23:22:54	30449 NH13	8.3	17.19	6.12	160	0.6	36°15'04" 48°36'50"	181	1.3	TYC 237301193	11.07	4 ^h 32 ^m 28.141 ^s 30°46'08.715"	54.0	254	166.4	-55.2	51.1	54.8	88.7	158
2011/12/14 01:02:14	1055 Tynka	13.2	17.28	4.89	75	0.5	36°10'47" 50°43'09"	354	2.5	UCAC2 31013113	12.40	12 ^h 40 ^m 18.208 ^s -2°18'41.113"	19.3	119	71.3	-40.8	68.8	54.9	88.2	192
2011/12/14 01:41:29	23710 UJ	12.6	19.48	6.10	157	2.4	34°18'16" 50°40'18"	296	1.0	UCAC2 32366872	13.39	9 ^h 26 ^m 13.866 ^s 1°59'34.927"	42.1	183	117.5	-34.6	22.6	52.1	88.0	459
2011/12/14 02:13:42	26403 WF18	6.3	16.30	4.96	224	0.7	34°11'03" 48°34'42"	223	0.2	TYC 73400247	11.35	6 ^h 11 ^m 34.571 ^s 11°02'18.997"	28.1	253	163.3	-29.4	30.2	48.9	87.9	105
2011/12/14 03:34:55	11803 ES12	6.6	17.60	5.68	158	0.7	36°05'48" 51°27'40"	355	1.0	TYC 15300771	11.93	6 ^h 58 ^m 31.699 ^s 2°19'03.476"	15.9	254	148.9	-16.5	23.6	38.3	87.5	161

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			
		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}	
2011/12/14 16:11:54	29156 1989 CH	9.5	18.05	6.26	176	1.5	34°00'49" 49°28'05"	248	1.3	TYC 527400238	11.79	1 ^h 30 ^m 07.433 ^s −11°07'59.853"	26.4	158	112.9	-24.3	110.3	-12.4	83.7	192	
2011/12/14 16:24:58	20739 1999 XM193	18.2	17.84	5.60	97	1.3	37°20'26" 49°30'14"	129	1.7	UCAC2 42570957	12.25	7 ^h 05 ^m 20.500 ^s 30°55'59.064"	16.9	62	156.6	-26.4	28.8	-10.8	83.6	420	
2011/12/14 20:13:35	53192 1999 CB50	6.0	17.88	8.04	252	0.7	35°48'07" 52°17'30"	352	0.4	TYC 191800922	9.85	7 ^h 30 ^m 18.429 ^s 27°53'17.585"	46.6	102	151.8	-59.6	24.5	22.4	82.3	146	
2011/12/14 20:41:43	15007 Edoar-dopozio	7.9	16.53	5.35	133	0.8	35°46'22" 51°11'47"	344	1.4	UCAC2 44296640	11.19	6 ^h 58 ^m 57.178 ^s 35°45'23.903"	61.2	106	156.4	-61.8	34.7	26.6	82.1	123	
2011/12/14 20:55:47	2479 So-dankyla	20.0	15.16	2.65	205	3.9	36°55'28" 48°14'59"	167	0.7	UCAC2 41179484	12.61	6 ^h 54 ^m 43.973 ^s 26°44'23.040"	57.3	124	159.7	-62.6	31.3	28.7	82.1	90	
2011/12/14 21:54:56	6532 Scarfe	15.1	16.88	6.36	78	1.4	36°23'53" 50°44'30"	6	3.1	TYC 137201558	10.52	7 ^h 35 ^m 37.394 ^s 21°43'46.449"	55.4	135	150.3	-62.9	21.4	37.1	81.7	178	
2011/12/14 23:07:32	3760 Poutanen	11.5	15.98	2.49	109	0.9	35°49'22" 49°07'04"	198	2.5	UCAC2 36591697	13.61	5 ^h 14 ^m 55.400 ^s 13°52'16.938"	47.5	222	170.3	-57.1	54.5	45.8	81.3	130	
2011/12/15 13:42:02	983 Gumila	73.9	15.09	2.52	273	1.5	37°54'46" 47°50'15"	155	6.5	UCAC2 24174796	12.68	17 ^h 55 ^m 34.845 ^s −19°32'25.926"	4.4	232	7.0	-2.0	127.3	-30.5	75.9	277	
2011/12/15 15:27:14	9410 1995 BJ1	11.0	16.32	3.76	51	0.9	36°04'60" 50°28'57"	343	2.8	UCAC2 39624756	12.60	5 ^h 22 ^m 51.399 ^s 22°18'11.495"	17.7	76	178.1	-17.3	61.4	-25.9	75.3	149	
2011/12/15 16:41:20	4051 Hatanaka	11.0	16.26	4.76	22	1.0	36°00'34" 50°07'24"	293	3.4	UCAC2 40167542	11.52	6 ^h 44 ^m 39.649 ^s 23°53'50.635"	17.7	74	163.0	-29.0	43.6	-18.6	74.8	126	
2011/12/15 17:25:34	9333 Hi-raimasa	10.0	15.65	2.55	185	1.0	37°32'42" 48°35'53"	151	1.1	UCAC2 47627205	13.20	5 ^h 42 ^m 50.431 ^s 47°20'51.591"	49.0	68	155.7	-36.1	62.6	-13.2	74.5	127	
2011/12/15 20:08:31	7717 Tabeis-shi	6.6	15.51	5.54	19	1.0	36°21'16" 49°52'55"	165	3.0	TYC 237600729	9.98	4 ^h 25 ^m 58.355 ^s 33°30'42.231"	73.5	169	162.4	-59.1	76.7	10.6	73.4	86	
2011/12/15 22:20:45	2745 San Martin	7.6	15.44	3.78	85	0.9	37°17'03" 50°28'04"	57	2.1	UCAC2 26818655	11.69	5 ^h 41 ^m 04.887 ^s −13°48'37.607"	25.6	191	142.8	-61.6	65.1	30.2	72.6	92	
2011/12/15 23:29:52	5427 Jens-martin	6.9	15.94	5.55	234	0.6	34°53'13" 51°57'32"	335	0.1	TYC 475501131	10.40	5 ^h 08 ^m 47.693 ^s −2°12'52.755"	29.5	222	153.9	-54.5	71.1	38.8	72.0	87	
2011/12/15 23:58:57	25000 As-trometria	10.0	17.06	4.36	3	0.8	36°18'50" 50°01'28"	142	2.5	UCAC2 33525714	12.72	5 ^h 59 ^m 19.452 ^s 5°27'29.530"	38.8	220	161.0	-50.6	57.8	41.8	71.9	163	
2011/12/16 01:32:16	3977 Maxine	11.5	17.80	5.91	9	0.9	36°15'17" 49°58'10"	195	2.4	TYC 492000161	11.89	10 ^h 51 ^m 34.893 ^s −6°54'36.255"	30.8	158	96.4	-36.3	19.9	47.2	71.2	191	
2011/12/16 04:17:33	6588 1985 RC4	10.0	17.28	3.95	202	0.9	37°54'13" 51°32'42"	35	1.1	UCAC2 38603888	13.36	7 ^h 26 ^m 03.405 ^s 19°27'28.117"	25.3	271	153.3	-10.3	39.8	37.9	70.1	154	
2011/12/16 04:27:16	86287 1999 UX44	6.9	17.34	6.12	160	0.6	35°17'36" 48°46'06"	207	1.0	TYC 189701273	11.22	6 ^h 43 ^m 29.899 ^s 25°08'07.698"	21.0	284	163.7	-8.9	50.8	36.7	70.0	157	
2011/12/16 15:27:14	32324 2000 QB61	6.0	17.80	9.14	111	0.6	35°45'35" 50°59'17"	340	1.2	HIP 18719	8.66	4 ^h 00 ^m 39.660 ^s 20°22'48.606"	30.1	94	158.1	-17.2	94.0	-33.9	65.4	142	
2011/12/16 16:27:13	10672 Kostyukova	16.6	15.91	3.18	193	1.2	34°08'58" 51°07'47"	308	2.0	UCAC2 41688289	12.79	6 ^h 21 ^m 19.772 ^s 28°01'55.673"	22.8	73	168.5	-26.7	62.9	-29.6	64.9	155	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 7		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}	
2011/12/16 18:00:44	4133 Heureka	12.0	16.15	4.63	71	0.9	35°38'26'' 50°31'51''	319	3.1 3.5	UCAC2 45637032	11.53	5 ^h 18 ^m 50.713 ^s 39°38'20.889''	55.0	88	163.2	-41.7	78.2	-19.1	64.2	136	
2011/12/16 19:21:57	27660 Waterwayuni	8.7	15.41	3.48	242	1.0	36°32'33'' 52°12'54''	4	0.4 2.9	UCAC2 39986009	11.98	6 ^h 01 ^m 04.791 ^s 23°14'57.318''	50.0	118	174.1	-53.6	68.3	-7.8	63.7	120	
2011/12/16 19:28:53	7230 Lutz	5.0	16.47	5.80	63	0.6	36°01'52'' 50°35'17''	343	1.8 2.3	TYC 190500648	10.67	6 ^h 45 ^m 52.604 ^s 28°34'50.451''	48.3	102	163.3	-54.5	59.4	-6.7	63.6	87	
2011/12/17 02:07:24	30435 2000 LB29	7.9	20.14	8.47	240	0.7	37°29'16'' 52°03'51''	21	0.7 1.0	TYC 137900894	11.67	8 ^h 25 ^m 08.417 ^s 15°32'18.690''	49.3	222	139.6	-30.7	37.5	41.6	60.6	320	
2011/12/17 03:02:34	2591 Dworet-sky	17.4	15.92	2.95	80	1.5	35°40'41'' 49°26'30''	213	4.0 4.6	UCAC2 40502055	13.05	7 ^h 00 ^m 08.371 ^s 24°55'29.005''	36.5	266	160.9	-21.9	59.8	41.8	60.2	149	
2011/12/17 15:47:48	5231 Verne	14.5	14.59	3.56	234	1.3	35°04'48'' 52°00'23''	338	1.0 4.1	TYC 187800609	11.08	6 ^h 23 ^m 38.105 ^s 23°14'27.568''	13.5	70	169.7	-20.4	74.9	-40.4	54.4	140	
2011/12/17 15:54:03	4253 Marker	10.0	16.70	5.36	219	0.8	38°50'23'' 48°59'29''	123	0.9 2.8	UCAC2 47177053	11.35	5 ^h 52 ^m 21.043 ^s 45°11'24.617''	34.3	59	157.9	-21.4	84.4	-40.2	54.3	143	
2011/12/17 16:46:56	3987 Wujek	13.2	16.05	5.40	14	1.2	36°28'34'' 50°04'38''	76	3.9 4.0	TYC 190400894	10.66	7 ^h 10 ^m 37.463 ^s 28°06'06.415''	18.9	69	158.9	-29.8	66.0	-37.1	53.9	133	
2011/12/17 17:25:28	3999 Aristarchus	16.5	15.08	1.45	236	1.7	34°31'14'' 51°50'57''	328	0.8 5.4	UCAC2 40816960	13.96	5 ^h 31 ^m 02.253 ^s 25°39'44.683''	39.1	96	177.0	-36.0	88.0	-33.7	53.6	121	
2011/12/17 17:32:45	47445 1999 XQ206	5.2	17.55	6.69	242	0.5	38°40'55'' 48°31'51''	135	0.3 1.6	TYC 295802122	10.87	7 ^h 34 ^m 10.792 ^s 38°03'32.206''	29.3	64	151.4	-37.2	65.1	-32.9	53.6	129	
2011/12/17 18:04:27	5657 Groom-bridge	10.0	16.89	5.43	208	0.5	37°42'56'' 48°25'33''	150	0.9 2.9	UCAC2 28125122	11.47	0 ^h 03 ^m 22.880 ^s -10°22'48.202''	23.3	215	91.3	-42.2	164.1	-29.4	53.3	136	
2011/12/17 18:29:00	3428 Roberts	13.2	15.60	2.77	128	1.5	35°21'60'' 51°02'30''	329	2.4 3.5	UCAC2 35738367	12.92	7 ^h 22 ^m 38.923 ^s 11°07'18.031''	20.7	97	152.6	-46.0	60.8	-26.3	53.1	152	
2011/12/17 19:37:07	56992 2000 SM286	7.2	18.71	6.79	96	0.6	36°01'23'' 50°53'45''	349	1.2 1.3	TYC 59400926	11.92	0 ^h 06 ^m 56.361 ^s 7°43'57.919''	28.1	247	99.3	-55.5	167.8	-16.9	52.6	220	
2011/12/17 19:52:48	52075 2002 RL7	6.0	16.58	5.20	129	0.7	34°50'39'' 50°45'04''	307	1.1 1.8	UCAC2 32165920	11.39	6 ^h 44 ^m 14.996 ^s 1°08'31.881''	30.4	131	152.8	-57.4	70.2	-14.6	52.4	136	
2011/12/18 01:41:08	4558 Janesick	10.5	14.38	1.56	56	0.8	36°06'21'' 50°32'18''	347	3.9 4.7	UCAC2 37133199	13.11	5 ^h 36 ^m 03.922 ^s 15°25'12.330''	28.5	260	172.0	-35.1	91.2	32.3	49.7	89	
2011/12/18 03:28:12	1404 Ajax	81.6	16.42	9.20	243	6.0	33°56'52'' 48°29'30''	224	7.1 18.6	TYC 247901106	7.22	7 ^h 56 ^m 42.964 ^s 36°32'31.411''	48.5	273	148.0	-18.0	65.9	36.6	48.8	173	
2011/12/18 03:50:38	6253 1992 FJ	5.5	16.71	5.33	48	1.0	36°21'37'' 50°28'43''	6	2.1 2.4	TYC 79000270	11.39	7 ^h 41 ^m 45.363 ^s 14°34'00.466''	27.2	260	150.3	-14.5	62.4	36.3	48.6	92	
2011/12/18 16:15:53	20716 1999 XG91	14.5	18.97	7.42	201	0.9	36°39'39'' 48°15'31''	172	1.4 1.6	UCAC2 39662600	11.56	7 ^h 54 ^m 30.287 ^s 22°27'12.539''	4.3	60	149.9	-24.8	68.5	-46.3	42.9	357	
2011/12/18 16:35:57	20144 1996 RA33	18.2	18.29	5.31	181	1.1	34°46'02'' 51°21'18''	323	1.7 1.9	UCAC2 43600275	12.99	6 ^h 25 ^m 08.553 ^s 33°40'56.587''	28.7	71	166.2	-28.0	90.4	-45.8	42.7	390	
2011/12/18 16:49:26	5325 Silver	12.0	16.77	3.26	96	0.8	36°43'30'' 50°52'05''	19	1.9 2.0	UCAC2 28310925	13.57	4 ^h 25 ^m 29.089 ^s -9°39'25.870''	15.9	127	141.8	-30.2	114.4	-45.3	42.6	237	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 8		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}
2011/12/18 17:01:08	1531 Hartmut	12.0	15.08	1.84	103	1.2	35°06'29" 50°35'24"	306	2.8	UCAC2 40334302	13.47	6 ^h 51 ^m 39.449 ^s 24°24'46.218"	22.0	78	164.4	-32.1	83.5	-44.7	42.5	100
2011/12/18 17:26:45	3704 Gaoshiqi	10.5	15.87	2.29	166	0.9	37°24'02" 48°44'44"	151	1.5	UCAC2 38205350	13.72	4 ^h 58 ^m 56.662 ^s 18°28'49.320"	39.6	110	168.5	-36.2	109.3	-43.0	42.3	139
2011/12/18 18:42:57	6306 Nishimura	10.5	14.58	2.15	132	1.1	36°45'58" 51°11'25"	15	1.9	UCAC2 39441742	12.59	5 ^h 08 ^m 54.336 ^s 21°43'47.075"	51.7	125	171.8	-48.0	107.7	-35.4	41.7	131
2011/12/18 19:55:33	16666 Liroma	10.0	14.53	1.30	162	1.1	38°22'50" 49°30'47"	112	1.0	UCAC2 35144821	13.62	3 ^h 43 ^m 41.156 ^s 9°36'19.517"	49.4	190	148.1	-57.7	129.0	-25.8	41.1	94
2011/12/18 21:40:42	16843 1997 XX3	13.8	18.64	5.17	253	1.0	36°16'18" 47°46'33"	180	1.3	UCAC2 37354590	13.47	7 ^h 56 ^m 52.696 ^s 15°48'41.469"	48.0	133	148.0	-63.5	69.4	-10.0	40.3	276
2011/12/18 21:51:18	17868 1998 KW46	10.5	17.08	5.23	101	0.7	36°35'31" 49°09'59"	167	2.0	UCAC2 38027293	11.86	5 ^h 25 ^m 37.975 ^s 17°53'40.178"	57.1	197	173.0	-63.2	105.6	-8.4	40.2	180
2011/12/18 22:23:17	660 Crescen- tia	42.2	13.94	1.42	134	8.1	37°04'48" 48°57'32"	155	7.6	UCAC2 29211298	12.87	1 ^h 57 ^m 49.775 ^s −7°09'49.314"	7.2	250	116.8	-61.6	151.9	-3.5	40.1	141
2011/12/19 13:34:21	777 Gutem- berga	65.6	14.32	1.54	212	4.5	38°21'45" 48°42'00"	135	6.7	UCAC2 41510770	13.08	6 ^h 03 ^m 15.726 ^s 27°54'42.972"	2.7	48	174.2	-0.9	106.8	-35.4	33.0	157
2011/12/19 14:30:10	5961 1989 YH1	6.3	16.84	6.06	15	0.7	36°05'59" 50°06'13"	295	2.3	TYC 181500455	10.79	4 ^h 12 ^m 06.723 ^s 23°41'44.329"	23.4	80	158.1	-8.5	132.4	-42.6	32.6	109
2011/12/19 14:43:15	12291 Gohnaumann	10.5	17.39	5.27	92	0.7	35°46'18" 50°48'26"	336	2.0	UCAC2 40163023	12.12	6 ^h 29 ^m 37.899 ^s 23°57'57.491"	5.0	58	170.4	-10.4	101.2	-44.1	32.5	186
2011/12/19 17:44:04	25108 Bostrom	5.8	17.58	6.02	237	1.1	36°48'19" 47°56'43"	171	0.4	TYC 3500637	11.56	1 ^h 46 ^m 00.844 ^s 6°40'08.441"	46.7	185	119.6	-38.9	169.0	-50.2	31.1	146
2011/12/19 21:28:40	37715 1996 RN31	13.8	18.94	5.56	235	1.0	36°24'08" 47°56'32"	178	1.2	UCAC2 35922452	13.39	7 ^h 39 ^m 13.284 ^s 11°34'23.510"	45.3	139	151.2	-63.6	86.6	-23.7	29.4	396
2011/12/19 21:40:01	18715 1998 HE121	10.5	16.17	4.90	51	0.8	35°59'18" 49°37'60"	205	2.5	TYC 186700043	11.28	5 ^h 52 ^m 17.454 ^s 24°23'55.523"	64.6	183	178.7	-63.5	113.8	-22.0	29.3	155
2011/12/19 23:20:42	6671 Concari	10.0	17.97	5.47	12	1.3	36°19'40" 49°56'42"	165	2.2	UCAC2 32195036	12.50	8 ^h 35 ^m 59.366 ^s 1°05'53.780"	39.7	161	133.9	-56.0	71.6	-6.7	28.6	180
2011/12/20 01:18:27	1565 Lemaître	11.5	14.31	2.45	100	0.9	35°51'49" 50°54'27"	342	2.4	UCAC2 36442619	11.98	6 ^h 43 ^m 28.923 ^s 13°11'34.539"	39.2	239	163.7	-38.9	102.7	9.8	27.7	71
2011/12/20 02:26:51	3074 Popov	6.6	15.81	3.76	121	0.7	37°11'41" 50°58'22"	32	1.2	TYC 187201869	12.08	6 ^h 05 ^m 41.895 ^s 27°47'14.976"	33.6	275	174.3	-27.9	114.0	17.5	27.2	91
2011/12/20 02:29:43	4226 Dami- aan	30.9	17.75	3.87	23	1.3	36°07'06" 50°13'43'	329	4.1	UCAC2 28554631	13.91	13 ^h 03 ^m 51.822 ^s −9°28'07.464"	23.7	143	69.3	-27.5	6.8	17.8	27.2	298
2011/12/20 02:39:38	13136 1994 UJ1	5.0	17.85	6.00	37	0.5	36°33'13" 50°20'01"	31	1.5	UCAC2 40681331	11.85	7 ^h 51 ^m 40.057 ^s 25°21'15.520"	46.7	253	152.3	-25.9	90.3	18.8	27.1	125
2011/12/20 14:12:23	7346 Boulanger	9.5	16.38	4.85	95	0.8	36°42'35" 49°14'26"	161	2.2	TYC 132400436	11.55	5 ^h 58 ^m 55.756 ^s 20°59'51.996"	3.1	60	177.1	-5.9	122.0	-36.9	22.3	132
2011/12/20 15:10:30	47044 Mc- painter	5.0	17.51	8.57	66	0.6	35°33'22" 50°24'52"	308	1.7	HIP 39053	8.94	7 ^h 59 ^m 22.861 ^s 42°17'44.057"	13.2	37	147.6	-14.4	99.9	-44.9	22.0	87

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 9		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}
2011/12/20 15:54:24	18290 DR2	1977 6.3	16.94	7.24	21	0.6	36°14'42'' 50°13'58''	352	2.2	TYC 244000964	9.71	6 ^h 46 ^m 06.065 ^s 33°22'58.855''	20.4	62	164.5	-21.3	113.5	-50.0	21.6	115
2011/12/20 22:02:14	2606 Odessa	16.6	15.67	3.85	68	1.3	36°14'54'' 50°39'23''	358	3.3	UCAC2 33697466	11.85	5 ^h 01 ^m 46.456 ^s 5°58'51.508''	42.9	208	158.6	-62.9	137.5	-30.3	19.1	187
2011/12/20 22:18:05	189859 HB17	2003 9.5	19.66	8.67	146	0.7	36°29'22'' 48°44'21''	174	0.6	TYC 77500786	10.99	7 ^h 19 ^m 43.790 ^s 13°44'55.316''	53.0	164	157.5	-62.1	106.7	-27.9	19.1	573
2011/12/20 22:26:03	40022 HP146	1998 6.9	16.83	4.86	151	0.6	37°23'28'' 51°12'50''	31	1.1	UCAC2 41523107	11.98	6 ^h 46 ^m 21.488 ^s 27°33'21.195''	67.8	181	167.4	-61.5	116.9	-26.7	19.0	132
2011/12/21 02:26:14	18989 RV26	2000 10.0	16.11	2.27	127	0.9	36°04'23'' 48°54'51''	187	1.8	UCAC2 35540010	13.98	6 ^h 22 ^m 47.716 ^s 10°44'16.395''	23.3	259	165.6	-28.1	122.0	7.6	17.4	165
2011/12/21 02:41:43	19027 SZ149	2000 7.2	17.38	5.67	145	0.6	37°55'32'' 50°49'08''	54	1.2	UCAC2 45159839	11.71	7 ^h 01 ^m 36.833 ^s 38°19'53.373''	46.3	279	159.3	-25.6	116.9	9.4	17.4	151
2011/12/21 17:14:41	2460 Mitlincoln	10.5	14.50	2.91	126	1.3	36°49'02'' 48°58'13''	162	1.6	UCAC2 37502469	11.67	6 ^h 01 ^m 04.065 ^s 16°14'14.333''	28.2	98	172.8	-34.0	137.1	-55.6	12.3	81
2011/12/21 17:26:50	12360 Unilandes	7.6	17.83	6.73	229	0.7	37°34'32'' 48°09'59''	156	0.7	TYC 192501431	11.10	7 ^h 55 ^m 05.680 ^s 23°15'32.601''	17.1	74	153.0	-36.0	112.3	-56.6	12.3	166
2011/12/21 17:52:46	2983 Poltava	30.9	15.26	2.08	182	2.4	37°16'28'' 48°32'51''	157	3.8	UCAC2 39114023	13.35	6 ^h 14 ^m 18.093 ^s 20°45'23.910''	35.5	100	175.2	-40.1	135.2	-58.4	12.1	140
2011/12/21 20:34:56	1860 Barbarossa	15.8	16.36	3.45	216	1.4	36°30'15'' 51°58'49''	4	1.6	UCAC2 36994844	12.96	7 ^h 59 ^m 24.263 ^s 14°57'53.834''	39.8	118	150.1	-61.3	111.2	-52.8	11.3	158
2011/12/21 22:02:40	49023 QQ93	1998 8.3	16.46	4.97	47	0.8	36°03'12'' 49°39'03''	201	2.3	TYC 247901869	11.50	7 ^h 56 ^m 07.777 ^s 36°34'11.307''	69.4	122	151.4	-62.9	117.0	-41.4	10.8	139
2011/12/22 00:55:35	22694 Tyndall	7.9	17.22	5.38	232	0.6	34°21'08'' 48°23'39''	217	0.6	UCAC2 47301130	11.84	6 ^h 10 ^m 20.958 ^s 45°46'20.288''	58.2	281	157.4	-42.7	137.1	-15.3	9.9	149
2011/12/22 01:45:33	23986 NZ53	1999 7.9	16.35	4.58	132	0.7	36°18'11'' 48°51'41''	179	1.4	TYC 132001740	11.79	5 ^h 52 ^m 11.681 ^s 19°18'20.854''	30.8	264	175.7	-34.7	145.0	-8.0	9.6	172
2011/12/22 02:02:47	46149 FJ67	2001 6.0	17.96	7.72	94	1.0	36°14'47'' 50°53'16''	358	1.0	TYC 19502189	10.24	8 ^h 07 ^m 47.695 ^s 0°44'33.039''	32.4	223	141.3	-32.0	108.0	-5.6	9.5	212
2011/12/22 16:57:22	3228 Pire	10.5	14.98	1.39	249	1.3	34°22'29'' 51°55'50''	327	0.1	UCAC2 40169948	13.94	6 ^h 53 ^m 50.765 ^s 23°41'12.459''	23.0	80	168.0	-31.2	140.4	-48.5	5.7	86
2011/12/22 18:50:54	1375 Alfreda	23.7	16.37	6.17	168	0.8	38°19'47'' 50°49'11''	60	3.4	TYC 581500079	10.21	22 ^h 45 ^m 38.290 ^s -12°29'35.528''	3.7	246	67.8	-49.0	94.1	-60.5	5.3	174
2011/12/22 20:21:53	2460 Mitlincoln	10.5	14.50	2.14	28	1.3	36°18'37'' 49°48'01''	176	4.9	UCAC2 37502122	12.52	5 ^h 59 ^m 49.161 ^s 16°14'20.316''	53.7	152	172.8	-60.2	153.7	-61.0	4.9	81
2011/12/22 20:50:21	56930 RY28	2000 7.2	17.97	6.28	144	0.6	35°34'15'' 51°15'33''	339	1.1	TYC 235800069	11.69	4 ^h 08 ^m 40.692 ^s 31°49'02.211''	67.7	223	153.6	-62.3	170.0	-59.1	4.8	222
2011/12/22 22:23:12	19568 Rachelmarie	6.0	17.60	5.52	159	0.7	36°20'50'' 48°37'09''	178	0.8	TYC 139000556	12.08	8 ^h 16 ^m 24.090 ^s 20°50'41.707''	56.7	143	148.9	-61.8	124.5	-48.6	4.5	122
2011/12/23 03:55:16	23269 YH62	2000 19.1	18.14	4.72	159	1.1	35°15'16'' 48°47'19''	208	1.8	UCAC2 40829218	13.44	6 ^h 17 ^m 39.303 ^s 25°41'03.062''	18.2	289	176.0	-14.3	155.5	-0.2	3.4	398

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 10		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}	
2011/12/23 05:01:51	659 Nestor	108.9	16.27	4.16	203	6.3	34°23'59" 48°41'58"	222	10.6 12.7	UCAC2 41526834	12.13	7 ^h 03 ^m 28.158 ^s 27°47'11.955"	16.6	294	165.8	-4.6	145.8	7.4	3.2	342	
2011/12/23 14:25:12	6151 Viget	7.2	15.58	4.48	18	0.9	36°02'41" 50°06'07"	289	3.2 3.3	UCAC2 43237743	11.12	5 ^h 21 ^m 07.650 ^s 32°46'59.716"	21.0	64	166.4	-7.5	168.5	-16.9	1.8	88	
2011/12/23 17:29:50	1046 Edwin	30.2	15.38	1.89	239	2.7	37°44'14" 48°07'26"	154	2.8 6.7	UCAC2 34575857	13.70	0 ^h 40 ^m 57.823 ^s 8°06'12.741"	44.9	209	101.2	-36.3	114.9	-45.0	1.4	179	
2011/12/23 19:13:17	191915 2005 MJ19	12.6	18.90	5.15	78	0.7	36°16'42" 49°20'33"	180	1.0 1.0	UCAC2 38956445	13.76	6 ^h 56 ^m 51.062 ^s 20°17'33.224"	42.3	111	167.9	-52.1	155.3	-58.0	1.2	513	
2011/12/24 04:57:52	4358 Lynn	12.6	16.62	3.22	21	0.9	36°01'55" 49°57'14"	240	3.3 3.3	UCAC2 46263786	13.46	5 ^h 38 ^m 16.567 ^s 41°38'34.134"	16.2	317	160.7	-5.2	160.6	-0.1	0.4	151	
2011/12/24 17:51:38	30072 2000 EP93	8.7	17.04	5.86	94	0.7	36°38'37" 49°13'53"	164	1.8 2.2	TYC 71500257	11.18	5 ^h 49 ^m 28.958 ^s 9°02'45.245"	31.8	117	164.8	-39.7	166.4	-38.6	0.0	158	
2011/12/24 20:29:07	23709 1997 TA28	17.4	18.39	5.97	90	1.1	36°18'35" 49°14'14"	179	1.8 1.9	TYC 245901184	12.43	7 ^h 17 ^m 40.840 ^s 34°20'39.745"	61.5	111	161.7	-60.7	161.4	-58.5	0.0	374	
2011/12/24 20:29:07	23709 1997 TA28	17.4	18.39	6.25	90	1.1	36°18'35" 49°14'14"	179	1.8 1.9	UCAC2 43780756	12.15	7 ^h 17 ^m 40.840 ^s 34°20'39.745"	61.5	111	161.7	-60.7	161.4	-58.5	0.0	374	
2011/12/24 20:31:03	14720 2000 CQ85	12.0	16.69	4.51	50	0.8	36°11'29" 50°29'30"	352	3.0 3.1	UCAC2 45962982	12.19	5 ^h 47 ^m 24.406 ^s 40°45'50.109"	78.7	140	161.9	-60.9	159.8	-58.7	0.0	154	
2011/12/24 23:29:05	9121 Ste-fanovalentini	19.1	16.89	4.74	38	1.3	36°13'32" 49°42'26"	187	3.3 3.4	UCAC2 41522893	12.16	6 ^h 45 ^m 39.129 ^s 27°38'53.137"	63.0	222	171.2	-55.3	172.0	-55.1	0.1	226	
2011/12/24 23:38:52	24282 1999 XBI79	10.0	18.38	4.80	103	1.2	34°50'60" 49°58'20"	265	1.6 1.8	UCAC2 40690131	13.60	10 ^h 50 ^m 24.258 ^s 25°27'54.812"	51.7	115	117.3	-54.0	119.5	-53.9	0.1	220	
2011/12/25 01:22:33	2302 Florya	15.1	14.83	2.44	177	1.4	37°05'32" 51°33'01"	19	1.6 5.2	UCAC2 44460251	12.51	5 ^h 47 ^m 46.202 ^s 36°03'38.657"	43.3	278	166.2	-38.6	162.6	-39.7	0.2	117	
2011/12/25 01:41:27	91571 1999 RZ252	5.5	18.56	7.14	10	0.5	36°16'49" 50°08'18"	357	1.2 1.2	UCAC2 34272924	11.42	7 ^h 50 ^m 21.601 ^s 7°19'13.412"	37.3	229	151.4	-35.6	156.1	-36.8	0.2	179	
2011/12/25 16:12:40	20932 2258 T-1	7.6	16.84	5.32	231	0.5	38°12'09" 48°23'49"	143	0.4 2.4	TYC 60500144	11.53	0 ^h 57 ^m 26.823 ^s 9°52'59.165"	50.0	178	103.7	-23.7	91.5	-13.1	1.2	125	
2011/12/25 17:53:03	40679 1999 RO207	5.8	18.17	9.06	40	0.5	36°28'28" 49°42'35"	160	1.3 1.4	TYC 191601636	9.11	7 ^h 45 ^m 56.914 ^s 25°06'47.811"	26.5	82	159.2	-39.8	169.9	-28.3	1.3	166	
2011/12/25 18:58:55	2967 Vladis-vyat	31.2	16.48	5.22	175	1.3	35°39'26" 51°33'52"	345	3.6 4.4	UCAC2 28840320	11.27	23 ^h 41 ^m 38.676 ^s -8°50'10.425"	11.8	240	78.9	-49.9	65.8	-38.3	1.5	284	
2011/12/25 19:56:53	76320 2000 EN144	5.0	16.77	5.67	156	0.5	35°05'31" 51°13'52"	327	0.7 1.6	UCAC2 39448125	11.11	5 ^h 40 ^m 50.274 ^s 21°50'27.143"	59.4	151	171.9	-57.4	157.9	-46.5	1.6	126	
2011/12/25 20:17:36	106954 2000 YS78	5.5	18.68	6.54	45	0.6	36°29'22" 50°25'34"	19	1.1 1.1	TYC 195300726	12.14	9 ^h 03 ^m 20.367 ^s 26°28'32.175"	38.3	93	142.0	-59.6	154.1	-49.2	1.6	202	
2011/12/25 21:03:01	4253 Marker	10.0	16.74	3.33	144	0.8	36°46'41" 48°47'44"	166	1.7 2.8	UCAC2 47053273	13.46	5 ^h 41 ^m 24.522 ^s 44°54'05.927"	85.1	186	157.3	-62.8	147.5	-54.2	1.7	144	
2011/12/25 21:33:24	23706 1997 SY32	11.0	19.36	5.72	237	0.7	36°07'01" 47°55'26"	183	1.0 1.2	UCAC2 42400535	13.65	7 ^h 28 ^m 54.796 ^s 30°17'01.197"	66.0	138	162.2	-63.5	168.6	-56.8	1.8	361	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 11		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}
2011/12/25 21:54:57	42130 2001 BW19	6.3	18.38	5.76	133	0.9	36°40'36'' 51°13'03''	12	1.1 1.5	TYC 21800166	12.63	8 ^h 34 ^m 47.795 ^s 5°24'01.396''	39.1	141	142.0	-63.2	157.0	-58.1	1.8	168
2011/12/26 02:00:34	195269 2002 EZ60	9.5	19.51	7.73	75	0.6	36°55'35'' 50°35'18''	37	0.7 0.7	UCAC2 41347608	11.78	6 ^h 35 ^m 14.275 ^s 27°08'15.545''	38.3	268	174.3	-32.6	164.9	-40.6	2.4	527
2011/12/26 17:15:22	4491 Otaru	7.9	15.35	3.66	167	0.8	37°28'18'' 48°45'22''	149	0.6 3.6	TYC 188501091	11.73	6 ^h 11 ^m 49.574 ^s 27°47'05.193''	38.0	91	175.2	-33.7	151.6	-11.8	4.9	88
2011/12/26 17:25:04	42182 2001 CP29	14.5	18.85	5.70	171	1.0	37°05'50'' 48°36'26''	160	1.2 1.3	UCAC2 40014693	13.15	8 ^h 11 ^m 35.392 ^s 23°05'42.409''	17.2	74	154.2	-35.3	173.1	-13.2	5.0	431
2011/12/26 18:53:45	70 Panopaea	122.2	12.89	1.08	132	9.9	36°48'55'' 48°54'39''	163	22.1 32.6	UCAC2 43786518	12.31	8 ^h 31 ^m 20.079 ^s 34°17'38.179''	35.8	77	149.3	-49.0	161.1	-26.8	5.3	145
2011/12/26 23:41:59	10054 Solomin	5.8	16.85	5.90	102	1.3	36°05'29'' 49°08'19''	188	1.4 2.1	TYC 181100638	10.95	3 ^h 44 ^m 15.323 ^s 29°10'16.362''	33.9	276	144.7	-53.7	115.6	-55.6	6.4	108
2011/12/27 00:18:11	9805 1997 NZ	12.0	16.29	2.80	38	0.8	36°18'41'' 50°23'33''	3	3.3 3.4	UCAC2 41169050	13.57	6 ^h 13 ^m 26.174 ^s 26°51'02.442''	50.3	251	176.1	-48.7	148.3	-54.4	6.5	141
2011/12/27 00:53:27	24662 Gryll	5.5	17.86	5.49	203	0.6	37°37'11'' 51°40'04''	28	0.5 1.7	TYC 182102012	12.38	3 ^h 55 ^m 31.044 ^s 28°06'48.437''	23.7	286	147.1	-43.3	117.4	-52.0	6.6	128
2011/12/27 02:46:27	14348 1985 UO3	9.1	16.84	5.37	164	0.7	34°06'08'' 49°36'59''	253	1.3 2.4	TYC 378400730	11.47	7 ^h 14 ^m 12.607 ^s 55°25'53.364''	51.9	304	146.4	-25.3	137.1	-38.7	7.0	150
2011/12/27 04:30:07	2244 Tesla	29.6	18.19	5.30	65	0.8	35°35'24'' 49°40'11''	230	3.1 3.2	UCAC2 26469679	12.90	15 ^h 51 ^m 46.833 ^s -14°38'07.665''	17.0	141	36.3	-9.3	67.0	-23.0	7.4	372
2011/12/27 15:59:22	12233 1986 QF3	5.0	16.78	5.12	168	0.7	35°39'29'' 51°30'29''	345	0.7 1.3	TYC 128700839	11.67	5 ^h 12 ^m 49.691 ^s 18°16'58.788''	29.1	96	162.8	-21.4	126.5	9.4	10.3	155
2011/12/27 19:07:37	12714 Alki- mos	33.1	16.95	3.89	55	2.2	35°56'54'' 50°29'42''	334	3.8 3.8	UCAC2 39482203	13.09	7 ^h 58 ^m 49.542 ^s 21°49'43.612''	35.4	98	158.1	-50.9	162.1	-18.1	11.2	345
2011/12/27 19:17:13	44354 1998 SS2	7.6	17.12	6.18	195	0.5	35°06'39'' 51°38'06''	335	0.9 2.0	TYC 132001376	10.95	5 ^h 59 ^m 02.445 ^s 19°14'00.086''	52.1	134	172.9	-52.2	135.5	-19.5	11.3	152
2011/12/27 20:44:13	19960 1986 CN1	6.0	17.12	5.12	177	0.5	35°37'19'' 51°34'43''	344	0.7 2.0	TYC 245500642	12.01	7 ^h 13 ^m 34.593 ^s 32°44'51.899''	64.8	124	165.6	-61.6	147.0	-32.5	11.7	122
2011/12/27 21:18:21	17431 Sainte- Colombe	5.0	18.12	6.57	252	1.2	34°30'52'' 52°01'11''	330	0.3 1.5	TYC 179000461	11.55	2 ^h 57 ^m 09.897 ^s 26°52'02.840''	47.2	255	133.3	-63.3	93.2	-37.2	11.9	137
2011/12/28 01:00:27	466 Tisiphone	115.5	13.06	1.64	32	7.8	36°10'24'' 49°46'17''	195	28.2 28.8	TYC 190301194	11.70	6 ^h 59 ^m 01.861 ^s 27°41'17.513''	50.8	252	171.1	-42.3	144.2	-50.5	12.9	156
2011/12/28 01:11:48	2439 Ulugbek	20.4	15.44	2.68	139	2.3	37°05'22'' 51°11'23''	24	3.5 6.2	UCAC2 39802847	12.85	5 ^h 08 ^m 31.203 ^s 22°41'29.053''	27.8	273	162.4	-40.5	120.3	-50.0	13.0	132
2011/12/28 03:14:05	11277 Ballard	8.3	17.09	6.00	50	0.5	36°32'36'' 50°28'09''	21	2.2 2.4	UCAC2 36423417	11.10	5 ^h 53 ^m 10.137 ^s 13°19'02.650''	8.4	281	167.4	-20.9	129.7	-38.1	13.6	138
2011/12/28 18:16:18	20622 1999 TQ11	7.6	17.44	5.46	233	0.6	36°58'48'' 48°00'15''	168	0.7 1.8	TYC 189601472	11.99	7 ^h 11 ^m 24.683 ^s 23°30'40.089''	36.6	96	170.1	-43.2	139.1	0.5	18.3	168
2011/12/28 19:58:15	765 Mattiaca	11.0	15.02	1.46	35	1.4	36°07'12'' 50°20'27''	340	4.0 4.2	UCAC2 41362060	13.89	7 ^h 57 ^m 51.971 ^s 27°11'52.225''	48.0	105	159.5	-57.3	146.4	-15.1	18.9	103

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 12		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}
2011/12/29 01:06:02	5650 Mochihito-o	14.5	15.55	3.64	81	1.3	36°12'06'' 49°19'31''	184	3.7	UCAC2 38745127	11.95	4 ^h 54 ^m 16.460 ^s 19°43'05.233''	23.7	273	157.6	-41.5	104.1	-46.6	20.7	126
2011/12/29 17:50:09	3929 Carmel-maria	6.3	17.56	8.18	150	1.6	37°20'15'' 51°13'22''	30	0.9	TYC 82400998	9.38	9 ^h 38 ^m 41.101 ^s 12°02'43.716''	1.0	72	134.5	-38.9	163.5	14.6	26.5	116
2011/12/29 20:38:26	1541 Estonia	20.2	15.21	3.58	128	1.7	36°22'28'' 48°54'08''	177	3.8	TYC 240300046	11.67	5 ^h 32 ^m 42.735 ^s 30°43'04.829''	70.9	182	164.6	-61.1	102.4	-10.7	27.7	129
2011/12/29 21:05:47	25011 1998 PP1	11.5	16.66	5.47	185	0.9	36°54'09'' 48°26'02''	166	1.5	TYC 188500982	11.20	6 ^h 08 ^m 23.014 ^s 27°20'27.983''	67.5	177	173.0	-62.7	110.3	-14.8	27.8	171
2011/12/29 21:30:38	31471 1999 CJ36	5.0	16.54	4.43	26	0.7	36°16'28'' 49°48'45''	182	1.9	TYC 238900166	12.13	5 ^h 07 ^m 15.934 ^s 31°10'18.771''	66.1	226	159.3	-63.3	96.5	-18.5	28.0	104
2011/12/29 22:01:32	3924 Birch	12.0	15.66	3.47	205	1.6	36°36'16'' 48°13'10''	174	1.2	UCAC2 43060706	12.24	4 ^h 38 ^m 37.043 ^s 32°23'05.208''	58.9	249	153.1	-62.9	90.1	-22.9	28.2	144
2011/12/29 22:44:20	27146 1998 YL1	9.5	17.67	6.33	90	1.0	36°18'58'' 49°14'12''	179	1.9	TYC 234900516	11.34	3 ^h 26 ^m 13.592 ^s 34°18'05.434''	41.8	276	137.9	-60.2	75.1	-28.6	28.5	181
2011/12/30 02:22:36	1242 Zambesia	47.7	13.59	0.61	197	5.1	34°37'09'' 48°39'21''	218	3.6	UCAC2 43956888	13.91	8 ^h 13 ^m 40.024 ^s 34°35'50.539''	53.0	264	155.5	-29.2	130.4	-41.3	29.8	110
2011/12/30 04:50:38	1311 Knopfia	14.1	15.66	2.95	149	1.9	35°29'18'' 48°48'47''	203	2.0	UCAC2 37357746	12.78	8 ^h 24 ^m 28.144 ^s 15°41'30.679''	17.7	274	153.1	-6.5	139.6	-29.0	30.8	105
2011/12/30 13:38:33	1158 Luda	19.1	15.82	3.60	124	0.6	37°24'02'' 49°11'37''	140	3.3	UCAC2 29757709	12.26	22 ^h 30 ^m 50.099 ^s -6°02'17.586''	34.1	182	58.8	-0.5	12.6	40.3	34.1	183
2011/12/30 15:23:15	119033 2001 EU12	6.0	17.78	7.81	136	0.8	34°55'10'' 50°54'21''	314	0.9	TYC 333801305	9.97	3 ^h 55 ^m 52.035 ^s 50°38'46.085''	56.8	68	138.5	-15.4	76.6	39.2	34.8	222
2011/12/30 20:36:00	37134 2000 VA32	6.6	17.73	6.04	43	0.5	36°07'08'' 50°24'54''	344	1.5	TYC 75301846	11.70	7 ^h 02 ^m 22.480 ^s 11°09'45.624''	47.5	148	166.7	-60.8	113.0	-0.1	36.8	174
2011/12/30 23:29:11	6995 Mi-noyama	8.3	17.28	6.51	231	1.3	34°38'15'' 48°16'26''	211	0.5	TYC 140900803	10.77	9 ^h 27 ^m 36.055 ^s 21°18'11.237''	59.4	153	140.9	-55.4	141.3	-24.7	37.9	130
2011/12/31 16:14:34	33314 1998 KX60	7.9	16.99	6.85	117	0.6	37°00'47'' 49°06'30''	154	1.6	TYC 135800407	10.14	7 ^h 15 ^m 47.355 ^s 22°26'47.961''	17.5	76	172.0	-23.4	104.4	43.1	44.5	145
2011/12/31 18:10:31	8951 1997 FO	12.6	16.70	2.82	148	0.9	36°52'55'' 48°46'23''	163	2.0	UCAC2 35°21'57.068''	13.96	6 ^h 22 ^m 09.414 ^s 35°21'57.068''	53.4	95	166.9	-41.9	89.6	31.2	45.3	162
2011/12/31 19:12:11	153 Hilda	170.6	13.73	0.82	244	10.2	36°44'07'' 47°52'40''	172	16.9	UCAC2 36804758	13.60	7 ^h 05 ^m 40.609 ^s 14°10'25.673''	40.6	121	169.5	-51.1	102.1	22.6	45.7	234
2011/12/31 19:45:05	2758 Cordelia	6.0	15.65	4.33	5	0.8	36°17'27'' 50°05'45''	3	2.6	TYC 190101093	11.35	6 ^h 43 ^m 53.310 ^s 27°31'32.571''	58.9	125	175.5	-55.4	94.5	17.7	45.9	92
2011/12/31 19:52:28	106452 2000 VJ59	6.9	17.86	9.39	225	0.8	36°28'15'' 48°02'02''	177	0.7	TYC 289101172	8.47	4 ^h 26 ^m 16.894 ^s 44°45'11.085''	82.8	228	144.9	-56.3	67.2	16.6	46.0	208
2011/12/31 21:28:42	3735 Trebon	15.8	15.80	2.37	22	1.2	36°19'30'' 50°14'31''	7	4.2	UCAC2 40670980	13.56	6 ^h 49 ^m 47.524 ^s 25°15'32.311''	65.3	171	177.2	-63.2	95.3	1.8	46.7	151
2011/12/31 23:17:21	31459 1999 CB17	8.7	17.13	5.67	219	0.6	34°39'58'' 48°23'39''	212	0.8	UCAC2 38784780	11.47	7 ^h 34 ^m 39.598 ^s 19°59'50.244''	58.7	202	167.5	-56.8	105.7	-13.9	47.4	148

