

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 Mv = 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 2.2.0 BETA
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 253

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 1		LinOccult 2.2.0 BETA			
		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	Dist	Alt	Phase (%)	σ_{km}
2014/12/01 02:57:03	2945 Zanstra	21.1	16.25	3.45	80	1.9	35°47'12" 49°24'28"	207	5.2 6.2	UCAC2 39626872	12.85	5 ^h 31 ^m 53.582 ^s 22°01'22.863"	-20.5	165.1	-20.5	82.7	-32.5	69.0	137
2014/12/01 16:12:08	1891 Gondola	18.8	15.99	2.37	230	1.8	39°08'57" 49°08'19"	116	1.3 5.5	UCAC2 43739598	13.75	2 ^h 44 ^m 45.199 ^s 34°27'54.303"	-24.3	153.7	-24.3	43.6	41.9	74.5	135
2014/12/01 19:06:06	1482 Sebastiana	20.5	15.48	1.97	237	1.9	35°12'47" 52°04'13"	341	1.6 5.3	UCAC2 40320906	13.71	6 ^h 06 ^m 33.973 ^s 24°25'12.126"	-51.2	157.8	-51.2	81.4	40.4	75.7	153
2014/12/01 19:48:24	30394 KZ32	2000	18.87	8.16	106	0.5	36°52'30" 49°10'25"	157	1.1 1.3	TYC 132600868	10.71	6 ^h 09 ^m 40.705 ^s 21°33'28.406"	-56.4	157.0	-56.4	81.7	36.4	76.0	209
2014/12/02 04:42:35	8127 Beuf	7.2	17.19	5.51	120	0.7	37°45'24" 50°34'59"	60	1.4 2.0	UCAC2 46810597	11.69	6 ^h 09 ^m 33.578 ^s 43°48'02.577"	-4.7	150.2	-4.7	76.9	-32.0	79.5	145
2014/12/02 17:29:09	605 Juvisia	70.1	15.43	2.04	163	2.1	38°19'51" 49°24'45"	116	9.5 12.3	UCAC2 23268071	13.56	20 ^h 55 ^m 56.828 ^s -21°41'06.020"	-36.7	60.1	-36.7	72.7	47.6	84.0	226
2014/12/02 18:18:02	34415 RV103	2000	17.54	6.14	138	0.5	37°34'14" 49°07'57"	138	1.0 1.6	TYC 179700314	11.40	3 ^h 23 ^m 35.431 ^s 24°09'17.518"	-44.3	163.5	-44.3	31.7	48.8	84.3	148
2014/12/02 23:30:42	19159 TT	1990	18.23	6.64	125	1.2	35°23'51" 51°01'08"	330	1.3 1.7	UCAC2 40351093	11.59	9 ^h 42 ^m 13.581 ^s 24°18'06.186"	-52.6	110.5	-52.6	112.9	16.4	86.1	172
2014/12/02 23:31:40	15049 XA90	1998	16.50	5.37	196	0.8	37°04'18" 48°21'48"	163	0.5 2.3	TYC 65100442	11.14	3 ^h 05 ^m 58.965 ^s 10°47'10.324"	-52.5	155.8	-52.5	21.2	16.2	86.1	109
2014/12/03 16:15:40	15496 DQ3	1999	16.66	4.69	194	0.6	36°55'10" 48°21'21"	166	0.8 2.3	TYC 67700573	11.99	4 ^h 35 ^m 11.389 ^s 11°53'32.494"	-24.9	169.8	-24.9	33.8	39.1	90.9	133
2014/12/03 18:18:57	207 Hedda	58.7	13.03	0.90	24	6.2	36°25'40" 49°51'22"	155	22.4 23.0	UCAC2 41856379	12.75	5 ^h 59 ^m 14.280 ^s 28°34'14.536"	-44.5	160.8	-44.5	53.1	51.2	91.4	100
2014/12/03 21:53:32	69848 SQ35	1998	18.64	6.72	185	0.9	37°09'50" 51°36'51"	20	0.9 1.4	UCAC2 35687864	11.92	1 ^h 46 ^m 57.430 ^s 11°28'06.387"	-61.7	137.5	-61.7	10.6	40.7	92.3	213
2014/12/04 01:34:09	321 Florentina	27.2	13.77	2.56	17	2.4	36°07'19" 49°56'09"	223	8.3 8.3	TYC 185001266	11.32	5 ^h 15 ^m 40.488 ^s 25°27'15.153"	-34.3	171.3	-34.3	38.9	8.2	93.2	130
2014/12/04 04:07:19	30182 GC95	2000	18.54	6.24	61	0.7	35°26'59" 49°55'55"	258	1.2 1.3	TYC 297302528	12.31	8 ^h 06 ^m 35.847 ^s 38°05'26.438"	-10.2	133.4	-10.2	74.3	-12.9	93.8	182
2014/12/04 04:29:53	13989 Murikabushi	5.0	17.96	8.44	241	1.1	33°04'47" 49°24'42"	253	0.2 1.6	TYC 80201335	9.52	8 ^h 12 ^m 38.235 ^s 12°07'12.243"	-6.9	128.7	-6.9	79.5	-15.4	93.8	124
2014/12/04 17:27:07	26350 XU94	1998	18.18	6.16	9	0.7	36°21'18" 49°58'44"	147	1.5 1.5	TYC 135200414	12.02	6 ^h 58 ^m 05.774 ^s 18°57'28.753"	-36.5	148.3	-36.5	53.4	44.1	96.3	182
2014/12/04 17:28:46	32523 OY82	2001	17.28	4.82	220	0.7	34°36'30" 51°43'06"	327	1.1 2.1	UCAC2 43587004	12.47	5 ^h 25 ^m 42.117 ^s 33°55'51.665"	-36.7	165.0	-36.7	35.1	44.3	96.3	186
2014/12/04 18:18:32	15273 Ruhmkorff	6.9	16.85	4.76	158	2.1	34°20'27" 50°43'44"	299	1.0 2.1	TYC 4000317	12.10	2 ^h 06 ^m 15.710 ^s 3°12'34.965"	-44.5	137.4	-44.5	21.2	50.0	96.5	130
2014/12/04 22:41:48	753 Tiflis	23.6	14.34	1.39	152	1.7	35°45'37" 48°43'39"	194	3.7 6.9	UCAC2 42031962	13.30	5 ^h 57 ^m 19.960 ^s 29°13'51.964"	-58.5	162.1	-58.5	37.2	43.7	97.1	136
2014/12/04 22:59:26	118762 QM222	2000	19.80	8.46	22	0.6	36°07'31" 50°13'08"	329	0.9 0.9	TYC 142300812	11.34	10 ^h 25 ^m 27.305 ^s 18°21'16.127"	-56.7	101.0	-56.7	98.3	41.4	97.2	213

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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}
2014/12/05 01:54:49	5406 Jon-joseph	11.0	16.73	4.78	127	1.2	36°17'51" 51°11'04"	0	1.9	TYC 133500867	11.96	6 ^h 51 ^m 13.369 ^s 17°30'16.540"	46.7	235	150.0	-31.2	47.1	15.2	97.6	182
2014/12/05 04:08:43	45597 2000 CK120	6.0	17.57	6.67	238	0.5	35°26'09" 47°59'16"	195	0.5	UCAC2 37312211	10.90	5 ^h 15 ^m 07.533 ^s 15°45'57.877"	9.8	283	170.4	-10.1	23.0	-4.2	97.9	166
2014/12/05 05:11:25	1965 van de Kamp	13.2	14.86	1.36	124	1.5	37°20'35" 50°56'21"	37	2.5	UCAC2 39808733	13.86	5 ^h 38 ^m 49.032 ^s 22°47'20.057"	9.2	295	167.6	-1.3	28.3	-11.8	98.0	103
2014/12/05 16:15:07	14327 Lemke	8.7	18.11	6.60	125	0.6	37°33'36" 49°17'03"	133	1.5	UCAC2 43942650	11.52	6 ^h 18 ^m 05.283 ^s 34°52'16.702"	20.2	59	156.5	-24.9	34.2	27.7	99.1	192
2014/12/05 16:15:20	2103 Laverna	22.8	15.68	5.33	36	1.8	36°41'22" 49°51'09"	127	4.9	TYC 179200412	10.36	3 ^h 14 ^m 43.148 ^s 26°59'29.970"	43.1	99	158.5	-25.0	15.5	27.7	99.1	181
2014/12/05 20:01:03	3401 Vanphios	11.5	14.23	2.47	199	1.7	33°51'47" 49°11'50"	241	0.1	UCAC2 47854620	11.88	23 ^h 49 ^m 13.742 ^s 48°28'31.640"	55.6	289	116.6	-58.0	61.5	56.0	99.4	67
2014/12/05 22:00:53	13119 1993 VD4	7.9	17.86	5.67	74	0.7	36°00'11" 49°24'33"	196	1.5	TYC 245000804	12.20	7 ^h 08 ^m 27.612 ^s 36°42'18.645"	67.2	116	146.6	-61.7	41.7	55.2	99.5	191
2014/12/06 00:26:55	9226 Arimahi-roshi	7.2	17.05	5.93	73	0.6	36°36'42" 50°40'06"	19	1.8	TYC 130401835	11.13	5 ^h 22 ^m 17.783 ^s 20°08'21.252"	48.3	238	171.9	-45.2	13.6	38.0	99.6	144
2014/12/06 00:28:47	57247 2001 QD86	5.5	18.74	7.57	57	0.6	36°45'03" 50°28'07"	35	0.9	TYC 134500760	11.18	7 ^h 07 ^m 52.433 ^s 15°41'34.197"	54.7	199	146.5	-44.9	38.8	37.8	99.6	237
2014/12/06 01:50:20	828 Linde-mannia	53.4	15.18	3.52	68	4.3	36°42'18" 50°35'37"	26	11.5	TYC 186802931	11.70	6 ^h 04 ^m 40.555 ^s 25°01'20.413"	46.0	253	162.5	-32.0	23.4	25.4	99.7	172
2014/12/06 01:50:20	828 Linde-mannia	53.4	15.18	3.13	68	4.3	36°42'18" 50°35'37"	26	11.5	UCAC2 40657194	12.11	6 ^h 04 ^m 40.555 ^s 25°01'20.413"	46.0	253	162.5	-32.0	23.4	25.4	99.7	172
2014/12/06 13:36:19	950 Ahrensa	15.0	15.38	3.64	139	3.6	35°07'21" 49°02'57"	217	2.6	TYC 527801888	11.78	2 ^h 02 ^m 26.113 ^s -11°10'06.036"	0.9	109	126.7	-1.2	51.8	-2.9	99.9	139
2014/12/06 16:08:38	3346 Gerla	34.2	15.49	3.47	29	2.8	35°58'49" 50°12'59"	311	7.0	UCAC2 47497014	12.06	3 ^h 16 ^m 28.562 ^s 46°37'00.996"	53.9	74	149.1	-23.9	35.6	19.3	99.8	192
2014/12/06 17:40:42	17949 1999 JA18	6.9	18.10	7.68	139	0.5	37°26'27" 49°03'05"	143	1.2	TYC 293200136	10.42	6 ^h 37 ^m 14.672 ^s 40°22'37.422"	34.1	66	151.4	-38.7	29.7	33.6	99.8	174
2014/12/06 17:55:08	68944 2002 PQ130	5.2	15.72	4.91	249	0.6	33°09'35" 49°05'59"	245	0.0	TYC 532700327	10.83	4 ^h 38 ^m 28.172 ^s -12°59'13.497"	13.8	131	144.3	-41.0	32.2	35.8	99.8	87
2014/12/06 19:11:43	4764 Joneberhart	5.2	16.92	5.15	22	0.9	36°28'55" 50°12'11"	39	2.2	UCAC2 29428873	11.78	7 ^h 20 ^m 48.445 ^s -6°45'14.004"	7.1	109	133.3	-52.2	41.4	46.7	99.8	94
2014/12/06 21:01:58	51775 2001 MZ2	7.9	17.27	5.86	187	0.7	37°21'01" 48°31'13"	156	1.0	TYC 186202088	11.42	5 ^h 44 ^m 51.488 ^s 24°13'34.771"	60.5	143	167.9	-62.3	9.5	57.5	99.7	177
2014/12/06 22:05:48	243453 2009 HX85	7.6	20.64	9.72	132	0.6	36°38'36" 48°52'52"	169	0.6	TYC 5101734	10.92	2 ^h 56 ^m 47.230 ^s 3°29'52.155"	33.1	229	146.1	-61.5	37.0	58.5	99.7	488
2014/12/07 01:42:14	7369 Gavrilin	7.9	14.84	3.88	233	0.7	36°34'13" 52°07'59"	5	0.1	TYC 282301067	10.99	1 ^h 49 ^m 27.391 ^s 42°51'42.891"	21.0	313	137.0	-33.5	50.9	35.4	99.5	80
2014/12/07 02:39:35	15161 2000 FQ48	16.6	16.38	3.18	101	1.1	36°09'30" 49°08'24"	185	2.5	UCAC2 35340833	13.26	5 ^h 31 ^m 42.036 ^s 10°18'37.406"	21.3	260	164.8	-24.3	8.4	26.5	99.5	245

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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}
2014/12/07 02:48:17	1422 Stromgrenia	6.9	16.01	4.20	24	0.9	36°07'28" 49°51'47"	209	3.0	UCAC2 38409871	11.84	6 ^h 33 ^m 14.577 ^s 18°47'02.475"	36.1	256	156.4	-22.9	15.9	25.2	99.4	88
2014/12/07 04:46:35	51852 OB95	12.6	16.95	3.35	141	1.2	35°31'04" 51°12'48"	337	2.0	UCAC2 33922146	13.65	8 ^h 07 ^m 45.882 ^s 6°02'41.756"	22.5	252	130.5	-5.0	40.3	7.2	99.3	183
2014/12/07 18:21:10	28671 GW55	6.0	19.34	6.71	154	0.6	37°13'31" 48°48'18"	154	0.9	TYC 191100396	12.63	7 ^h 33 ^m 44.777 ^s 22°39'50.342"	20.1	78	143.8	-45.0	22.2	31.9	98.2	215
2014/12/07 18:34:30	47839 ES119	7.6	17.79	6.66	95	0.6	35°49'46" 50°50'53"	340	1.4	TYC 237102063	11.14	4 ^h 20 ^m 15.524 ^s 30°47'07.221"	58.5	115	168.5	-47.0	25.9	34.0	98.1	190
2014/12/07 19:31:05	4764 Jonebhart	5.2	16.90	4.95	15	0.9	36°21'46" 49°55'31"	158	2.2	UCAC2 29428557	11.96	7 ^h 20 ^m 07.551 ^s -6°42'21.973"	10.7	114	134.2	-54.7	31.7	42.3	98.1	93
2014/12/07 21:12:09	1892 Lucienne	12.6	15.09	3.28	96	1.3	35°48'39" 50°51'26"	339	3.1	UCAC2 46798388	11.87	5 ^h 10 ^m 35.091 ^s 43°39'14.071"	82.3	142	158.7	-62.7	27.9	54.5	97.8	110
2014/12/08 00:58:28	5049 Sherlock	6.6	16.41	4.15	87	1.0	36°54'56" 50°43'17"	31	1.8	TYC 191301389	12.28	7 ^h 21 ^m 54.399 ^s 25°39'12.595"	62.5	215	147.1	-40.6	17.0	48.7	97.4	96
2014/12/08 02:51:50	45466 AZ201	7.9	17.59	5.68	115	0.9	36°24'31" 51°04'31"	4	1.5	UCAC2 38959807	11.92	7 ^h 10 ^m 01.687 ^s 20°11'29.875"	41.7	250	149.2	-22.5	11.9	32.5	97.1	163
2014/12/08 03:27:32	3346 Gerla	34.2	15.50	3.01	239	2.9	33°29'05" 48°54'40"	238	3.3	UCAC2 47496828	12.56	3 ^h 14 ^m 58.622 ^s 46°31'52.494"	21.1	319	148.3	-16.8	47.4	27.0	97.0	193
2014/12/08 03:33:39	15244 TY2	5.0	17.95	7.81	80	0.6	37°05'23" 50°32'58"	46	1.3	TYC 189800545	10.14	6 ^h 58 ^m 24.200 ^s 25°23'07.884"	37.1	266	152.5	-15.9	11.1	26.0	97.0	131
2014/12/08 14:41:17	2655 Guangxi	40.7	14.93	2.36	125	3.3	38°01'47" 50°03'58"	89	7.2	UCAC2 38932455	12.70	5 ^h 38 ^m 58.805 ^s 20°20'40.981"	2.9	61	170.7	-10.4	15.9	-7.9	95.3	172
2014/12/08 15:36:08	19288 FJ5	11.0	17.02	3.36	228	0.5	33°38'09" 51°12'35"	304	1.0	UCAC2 28651843	13.71	22 ^h 51 ^m 26.341 ^s -9°23'05.844"	30.6	185	84.4	-18.8	120.4	-1.0	95.1	167
2014/12/08 16:29:01	4040 Purcell	9.1	16.71	4.64	185	0.8	34°47'46" 51°24'46"	325	1.1	TYC 186802408	12.08	6 ^h 06 ^m 08.635 ^s 25°14'33.917"	18.7	73	164.8	-27.2	12.5	6.4	95.0	136
2014/12/08 19:49:08	11401 Pieralbal	6.0	17.23	6.54	98	0.5	35°47'05" 50°51'48"	338	1.4	TYC 242101192	10.69	6 ^h 19 ^m 06.435 ^s 31°22'20.447"	52.8	103	160.6	-56.9	16.2	36.9	94.3	120
2014/12/08 21:48:19	66248 FC37	6.0	18.00	7.53	241	0.7	36°38'00" 47°53'36"	174	0.5	TYC 295800745	10.47	7 ^h 36 ^m 48.230 ^s 38°59'16.517"	64.2	102	143.3	-62.5	22.8	52.3	94.0	164
2014/12/08 23:11:39	30401 KO47	10.5	17.54	3.92	17	0.7	36°16'06" 50°12'01"	356	2.1	UCAC2 32311883	13.65	4 ^h 17 ^m 57.352 ^s 1°37'51.337"	32.3	226	156.4	-55.9	43.8	57.5	93.7	202
2014/12/08 23:12:39	10511 OD	10.0	17.14	4.49	250	0.7	35°35'42" 47°50'54"	191	0.8	UCAC2 44457697	12.67	5 ^h 33 ^m 01.600 ^s 36°02'18.030"	70.7	231	165.0	-55.8	27.5	57.5	93.7	170
2014/12/08 23:20:59	37390 WL49	6.9	17.30	8.99	209	2.0	37°16'53" 51°48'59"	20	0.2	TYC 248701331	8.31	8 ^h 39 ^m 15.032 ^s 34°57'41.356"	66.2	119	131.4	-54.8	27.4	57.6	93.7	90
2014/12/08 23:54:04	29478 UW17	5.5	18.21	6.64	153	1.1	38°14'55" 50°36'28"	66	0.9	TYC 194901294	11.57	8 ^h 45 ^m 38.276 ^s 28°11'16.561"	64.0	140	129.6	-50.4	25.4	57.3	93.6	154
2014/12/09 02:22:43	83042 QV193	6.0	19.28	8.51	115	0.8	34°58'38" 50°38'58"	306	0.9	TYC 21100771	10.78	8 ^h 42 ^m 40.782 ^s 1°15'01.466"	38.8	205	122.4	-27.3	27.6	43.3	93.0	223

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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}				
2014/12/09 04:05:48	3868 Mendoza	10.5	15.58	2.18	94	1.1	36°34'04'' 50°52'32''	12	2.6 3.7	UCAC2 35167418	13.56 13.56	6 ^h 11 ^m 39.173 ^s 9°37'33.832''	12.1	271	158.9	-11.2	17.2	27.9	92.6	112				
2014/12/09 04:41:51	2010 Cheby-shev	15.7	17.53	5.51	161	1.0	37°37'60'' 51°12'43''	37	2.2 2.8	UCAC2 33575864	12.03 12.03	11 ^h 27 ^m 11.143 ^s 5°07'15.887''	44.0	198	86.4	-5.9	62.5	22.3	92.5	225				
2014/12/09 04:42:32	4757 Liselotte	12.0	17.91	5.57	61	0.9	35°53'58'' 49°33'43''	207	2.0 2.1	UCAC2 39991957	12.34 12.34	6 ^h 21 ^m 23.271 ^s 23°21'47.054''	18.1	285	161.9	-5.8	14.3	22.2	92.5	232				
2014/12/09 15:40:42	7101 Haritina	5.8	15.87	3.92	65	0.8	37°01'21'' 49°42'10''	126	2.0 2.7	TYC 242400265	11.98 11.98	6 ^h 12 ^m 05.055 ^s 32°05'00.931''	16.4	59	162.4	-19.5	25.3	-8.1	90.1	85				
2014/12/09 19:19:45	686 Gersuind	41.1	13.96	2.71	244	3.1	34°13'37'' 51°48'32''	323	2.5 11.9	UCAC2 35549056	11.34 11.34	6 ^h 51 ^m 51.436 ^s 10°43'08.856''	28.4	108	151.9	-53.4	14.4	23.7	89.1	137				
2014/12/09 20:04:28	33642 1999 JB82	5.2	17.67	6.72	83	0.7	37°19'51'' 50°22'16''	64	1.3 1.5	TYC 469101064	10.95 10.95	2 ^h 29 ^m 41.870 ^s 0° - 30'28.901''	37.2	203	135.5	-58.6	80.2	30.6	89.0	136				
2014/12/09 20:49:10	50185 2000 AD170	5.2	17.72	5.98	182	0.6	37°19'30'' 51°32'45''	24	0.6 1.6	UCAC2 38965574	11.75 11.75	7 ^h 43 ^m 11.528 ^s 20°29'26.403''	41.8	109	143.4	-62.0	4.9	37.2	88.8	132				
2014/12/09 20:50:45	967 Helionape	12.0	14.66	2.28	204	1.1	36°23'18'' 51°52'39''	2	0.6 4.7	UCAC2 39094662	12.52 12.52	4 ^h 35 ^m 53.869 ^s 20°32'53.790''	60.7	177	172.7	-62.1	46.2	37.4	88.7	102				
2014/12/09 20:50:45	967 Helionape	12.0	14.66	2.69	204	1.1	36°23'18'' 51°52'39''	2	0.6 4.7	TYC 127400145	12.07 12.07	4 ^h 35 ^m 53.869 ^s 20°32'53.790''	60.7	177	172.7	-62.1	46.2	37.4	88.7	102				
2014/12/09 21:00:01	10043 Jane-gann	13.2	16.43	6.03	240	1.6	36°17'58'' 52°12'13''	0	1.1 3.2	TYC 16300666	10.40 10.40	7 ^h 10 ^m 59.306 ^s 1°47'40.340''	32.2	134	143.0	-62.5	17.1	38.7	88.7	165				
2014/12/09 21:52:17	6129 Demokri-tos	15.6	17.56	3.69	62	1.8	36°06'55'' 50°35'48''	349	3.5 3.8	UCAC2 40177875	13.90 13.90	7 ^h 37 ^m 18.265 ^s 23°35'08.822''	54.2	126	145.3	-62.5	8.6	45.7	88.5	163				
2014/12/09 22:14:55	825 Tanina	11.2	14.45	1.12	159	1.1	36°25'51'' 51°28'14''	4	1.3 4.5	UCAC2 39455292	13.80 13.80	6 ^h 05 ^m 49.945 ^s 21°49'58.476''	62.0	174	166.1	-61.4	26.1	48.3	88.4	100				
2014/12/09 22:28:16	28840 2000 JB44	5.2	17.19	9.42	99	0.6	36°37'46'' 50°54'45''	14	1.2 2.8	TYC 188200767	7.77 7.77	6 ^h 18 ^m 43.840 ^s 25°20'53.762''	65.5	174	163.2	-60.4	24.1	49.8	88.3	75				
2014/12/09 22:55:15	6243 Yoder	6.0	17.33	5.68	224	1.6	37°06'51'' 51°59'25''	15	0.3 2.2	UCAC2 37715747	11.65 11.65	9 ^h 21 ^m 18.112 ^s 16°37'50.236''	42.9	120	120.1	-57.9	20.7	52.3	88.1	111				
2014/12/09 23:39:20	6125 1989 CN	6.0	16.12	4.70	150	0.9	36°01'28'' 48°42'34''	187	0.7 2.7	TYC 125200578	11.44 11.44	3 ^h 49 ^m 27.718 ^s 17°35'30.640''	37.4	252	161.3	-52.6	58.9	55.0	88.0	90				
2014/12/10 00:52:55	113303 2002 RC185	5.0	19.31	9.31	230	0.6	35°02'23'' 48°08'49''	203	0.5 0.8	TYC 231201549	10.00 10.00	2 ^h 00 ^m 28.912 ^s 32°11'48.840''	19.4	297	138.1	-41.8	81.5	55.0	87.6	260				
2014/12/10 01:18:36	3143 Genecampbell	11.0	15.79	2.64	11	1.0	36°13'17'' 50°08'11''	335	3.3 3.3	UCAC2 39619515	13.25 13.25	4 ^h 50 ^m 38.432 ^s 22°04'01.965''	34.7	264	176.3	-37.7	45.1	53.7	87.6	131				
2014/12/10 15:26:43	78149 2002 NN24	5.2	18.75	6.77	40	0.6	36°45'36'' 49°51'34''	122	1.0 1.0	TYC 122600805	11.98 11.98	2 ^h 42 ^m 55.899 ^s 19°21'08.220''	38.0	106	145.8	-17.3	82.0	-16.9	83.6	206				
2014/12/10 18:02:01	1441 Bolyai	14.8	16.53	5.25	37	1.3	36°40'27'' 49°49'55''	131	4.8 5.1	TYC 133100700	11.29 11.29	6 ^h 50 ^m 21.144 ^s 15°37'56.360''	20.6	90	155.2	-42.1	25.0	2.9	82.9	116				
2014/12/10 18:38:09	3485 Barucci	13.7	16.90	4.51	179	3.8	34°52'32'' 51°23'04''	326	1.8 3.5	UCAC2 37299880	12.41 12.41	2 ^h 07 ^m 48.523 ^s 15°42'47.012''	55.8	186	136.7	-47.6	92.7	8.3	82.6	155				

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 5		LinOccult 2.2.0 BETA			
		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}
2014/12/10 19:45:41	1638 Ruanda	16.6	15.94	4.83	173	1.2	36°59'22" 48°33'38"	163	2.3	TYC 127800738	11.12	4 ^h 35 ^m 56.106 ^s 21°41'59.567"	58.9	149	172.1	-56.6	57.7	18.7	82.3	163
2014/12/11 01:00:16	48840 1998 BR4	5.5	17.77	6.31	11	0.6	36°21'43" 50°07'50"	30	1.4	TYC 134301574	11.46	6 ^h 53 ^m 43.909 ^s 22°04'02.006"	54.8	228	156.3	-40.7	28.6	53.2	80.7	158
2014/12/11 03:59:50	22058 2000 AA64	11.5	18.22	4.40	193	0.7	37°49'43" 51°29'05"	35	1.3	UCAC2 38033143	13.84	5 ^h 47 ^m 53.083 ^s 17°36'45.013"	14.0	281	169.9	-12.3	45.0	39.1	79.7	258
2014/12/11 04:04:27	3614 Tumilty	58.1	15.98	3.74	272	1.3	39°56'37" 50°47'42"	72	5.2	UCAC2 19917956	12.27	14 ^h 39 ^m 32.166 ^s -28°33'24.696"	2.8	143	34.5	-11.6	93.0	38.5	79.7	279
2014/12/11 04:25:57	49533 1999 CN54	7.2	18.99	13.22	100	0.7	35°45'42" 49°13'02"	202	1.7	HIP 52452	5.77	10 ^h 43 ^m 20.943 ^s 4°44'51.076"	41.3	209	98.3	-8.5	28.0	35.5	79.6	118
2014/12/11 15:17:21	23948 1998 UQ18	10.0	17.33	5.31	139	0.8	35°01'19" 50°59'57"	320	1.7	UCAC2 43431119	12.03	6 ^h 54 ^m 27.768 ^s 33°03'53.134"	9.6	49	155.6	-15.9	39.0	-24.4	76.1	173
2014/12/11 16:08:24	15586 2000 GV75	6.3	17.17	5.25	229	0.5	38°21'04" 48°29'23"	140	0.5	UCAC2 45640064	11.93	5 ^h 30 ^m 29.232 ^s 39°33'26.716"	32.7	66	163.0	-23.9	57.4	-19.9	75.8	144
2014/12/11 21:54:50	465 Alekto	73.3	14.97	3.12	161	7.5	36°00'25" 51°29'00"	353	10.9	UCAC2 40177689	11.91	7 ^h 35 ^m 45.352 ^s 23°35'25.697"	55.7	130	147.7	-62.6	30.0	29.1	73.8	176
2014/12/12 00:54:33	1347 Patria	32.4	15.17	5.00	233	5.1	33°22'26" 51°01'53"	298	1.9	TYC 20500440	10.18	8 ^h 23 ^m 04.795 ^s 3°49'03.757"	43.8	187	130.7	-41.8	18.9	48.8	72.7	128
2014/12/12 03:18:55	16070 1999 RB101	38.0	17.06	4.36	62	2.0	35°54'51" 49°32'35"	205	4.1	UCAC2 44279584	12.72	5 ^h 27 ^m 29.744 ^s 35°37'07.404"	29.5	291	167.1	-18.7	62.5	45.9	71.9	368
2014/12/12 03:55:10	33166 1998 EV8	8.7	17.88	5.88	117	0.5	34°46'45" 49°39'17"	248	1.5	TYC 287302282	12.01	3 ^h 28 ^m 29.416 ^s 43°36'44.642"	15.6	321	149.8	-13.2	85.5	42.4	71.7	188
2014/12/12 14:01:31	303 Josephina	99.3	14.91	2.71	153	2.3	34°36'51" 50°55'17"	309	11.8	UCAC2 20966789	12.30	19 ^h 07 ^m 21.038 ^s -26°48'27.544"	5.1	216	25.1	-4.7	135.2	-31.9	68.1	290
2014/12/12 17:23:00	47800 2000 ED50	6.6	18.12	6.41	66	0.6	36°55'22" 49°37'12"	136	1.4	TYC 244700093	11.71	6 ^h 43 ^m 38.877 ^s 36°26'42.759"	31.5	69	157.2	-35.8	54.1	-19.5	66.9	177
2014/12/12 17:32:01	11907 Nara- nen	7.6	17.12	7.40	181	0.6	37°21'59" 48°35'08"	155	1.0	TYC 184600355	9.72	5 ^h 15 ^m 28.229 ^s 24°10'30.729"	38.6	98	178.7	-37.3	71.1	-18.4	66.8	154
2014/12/12 17:32:18	1182 Ilona	14.3	13.99	0.77	185	1.8	38°02'22" 48°50'35"	137	0.7	UCAC2 45651207	13.95	6 ^h 25 ^m 24.641 ^s 39°35'36.682"	37.7	71	158.1	-37.3	58.6	-18.4	66.8	86
2014/12/12 23:39:38	465 Alekto	73.3	14.95	1.37	219	7.3	35°57'03" 48°05'32"	186	7.7	UCAC2 40177609	13.94	7 ^h 35 ^m 06.622 ^s 23°36'14.957"	63.8	178	148.9	-52.9	42.5	34.7	64.5	175
2014/12/13 03:25:19	3868 Mendoza	10.5	15.52	3.83	139	1.0	36°41'29" 51°16'05"	12	1.7	UCAC2 35166132	11.72	6 ^h 07 ^m 40.608 ^s 9°34'13.017"	15.4	267	162.3	-17.9	63.8	45.1	63.1	111
2014/12/13 04:46:13	9543 Nitra	10.5	16.44	3.11	118	0.9	37°36'44" 50°41'01"	53	2.0	UCAC2 43403894	13.39	4 ^h 40 ^m 42.086 ^s 33°23'19.519"	9.0	313	166.5	-5.8	84.0	38.4	62.5	156
2014/12/14 00:43:12	6477 1988 AE5	11.5	17.96	4.48	55	0.7	36°16'49" 49°33'01"	180	2.1	UCAC2 33399326	13.50	11 ^h 24 ^m 47.943 ^s 4°53'38.621"	33.1	128	91.7	-43.8	5.2	33.9	54.9	211
2014/12/14 13:34:21	334 Chicago	155.8	14.42	1.54	248	4.1	34°15'15" 51°52'32"	324	14.3	UCAC2 24487565	13.19	20 ^h 25 ^m 54.978 ^s -19°29'15.515"	19.1	196	41.8	-1.0	131.4	-33.2	49.9	320

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8')										Sorted by date/time.				Table 1		Page 6		LinOccult 2.2.0 BETA			
		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}	
2014/12/14 17:11:45	412 Elisabetha	91.0	13.35	0.72	239	7.5	36°42'00" 52°10'41"	7	6.1 25.7	UCAC2 34398909	13.42	4 ^h 08 ^m 12.599 ^s 7°59'21.131"	34.2	123	155.8	-34.0	111.7	-35.8	48.5	139	
2014/12/14 17:28:10	19694 Dunkelmann	10.0	18.35	4.79	64	0.8	36°33'30" 49°30'15"	162	1.7	UCAC2 37703306	13.57	7 ^h 23 ^m 59.818 ^s 16°48'37.505"	13.2	79	151.9	-36.6	64.3	-34.5	48.4	230	
2014/12/14 17:29:45	70041 1999 CY117	6.9	17.47	5.70	239	0.9	38°25'32" 48°25'19"	140	0.6 1.7	TYC 191101881	11.78	7 ^h 36 ^m 02.098 ^s 23°30'27.333"	16.6	73	150.5	-36.9	62.7	-34.4	48.4	163	
2014/12/14 22:37:24	5061 McIn-tosh	10.0	18.15	4.31	126	0.6	37°02'48" 51°03'58"	26	1.6 1.9	UCAC2 29837299	13.86	11 ^h 20 ^m 20.240 ^s -5°46'00.200"	7.6	108	89.5	-60.2	8.5	7.7	46.2	209	
2014/12/15 02:22:51	176 Iduna	121.0	13.20	0.87	224	12.1	38°14'10" 48°29'09"	141	11.8 28.8	UCAC2 28175001	12.98	7 ^h 52 ^m 27.825 ^s -10°16'50.553"	21.5	220	131.4	-28.0	60.7	35.5	44.7	164	
2014/12/15 04:47:28	1929 Kollaa	10.5	15.13	2.42	23	1.0	36°01'43" 49°55'53"	235	4.2 4.3	UCAC2 41857112	12.83	6 ^h 01 ^m 12.529 ^s 28°32'36.908"	14.6	297	171.0	-5.9	90.0	37.7	43.8	97	
2014/12/15 17:10:57	969 Leocadia	19.5	15.30	4.62	224	2.1	34°33'11" 51°44'31"	327	0.5 8.1	UCAC2 40330210	10.69	6 ^h 34 ^m 46.261 ^s 24°20'53.070"	24.5	81	165.5	-33.8	88.4	-42.2	39.0	95	
2014/12/15 21:11:37	8250 Cornell	12.6	17.10	3.83	41	0.9	36°20'03" 49°41'05"	175	2.4 2.5	UCAC2 47157869	13.30	4 ^h 05 ^m 43.923 ^s 45°01'59.478"	77.5	253	152.0	-63.2	117.6	-15.1	37.4	202	
2014/12/15 22:10:24	10821 Kimura-takeshi	5.0	17.09	5.18	141	0.9	35°56'32" 51°17'48"	350	0.7 2.0	TYC 136302201	11.92	7 ^h 58 ^m 09.062 ^s 15°42'51.217"	49.9	139	144.9	-62.2	70.4	-6.1	37.0	99	
2014/12/15 22:41:25	1458 Mineura	17.2	16.10	4.06	59	6.8	36°02'40" 49°32'43"	197	4.1 4.4	UCAC2 31972019	12.06	2 ^h 15 ^m 26.407 ^s 0°41'48.836"	15.0	253	127.2	-59.9	154.1	-1.3	36.7	157	
2014/12/15 22:41:25	1458 Mineura	17.2	16.10	3.79	59	6.8	36°02'40" 49°32'43"	197	4.1 4.4	TYC 3800764	12.34	2 ^h 15 ^m 26.407 ^s 0°41'48.836"	15.0	253	127.2	-59.9	154.1	-1.3	36.7	157	
2014/12/16 00:17:28	2303 Retsina	19.1	15.93	2.83	74	3.0	35°16'05" 49°57'21"	262	3.7 4.0	UCAC2 28907296	13.18	9 ^h 01 ^m 54.001 ^s -8°08'31.122"	31.3	168	120.0	-47.9	53.3	13.0	36.1	190	
2014/12/16 15:02:16	547 Praxedis	69.7	14.78	3.30	278	1.6	36°57'18" 47°35'05"	170	5.8 12.2	TYC 573902002	11.53	20 ^h 03 ^m 33.043 ^s -8°58'47.569"	18.8	229	38.2	-13.4	103.4	-40.5	30.5	228	
2014/12/16 15:06:34	15998 1999 AG2	5.2	17.11	5.33	3	0.6	36°17'03" 50°04'30"	357	1.8 1.8	TYC 181701198	11.79	3 ^h 56 ^m 58.669 ^s 25°47'45.649"	31.4	86	157.5	-14.1	134.7	-41.0	30.5	114	
2014/12/16 15:33:18	40281 1999 JY47	7.6	17.07	5.31	138	0.6	37°33'32" 49°07'24"	139	1.3 2.0	UCAC2 45475859	11.77	5 ^h 18 ^m 24.087 ^s 39°00'33.328"	31.8	66	163.8	-18.2	114.9	-43.4	30.4	149	
2014/12/16 22:23:36	30807 1989 UQ5	13.2	19.06	7.16	84	0.8	36°25'19" 50°47'41"	7	1.4 1.4	UCAC2 38030621	11.90	5 ^h 39 ^m 12.920 ^s 17°37'33.343"	56.2	202	174.3	-61.5	116.1	-13.8	27.8	379	
2014/12/16 22:51:13	3799 Novgorod	12.6	17.45	4.56	55	1.1	36°10'32" 49°33'25"	188	2.5 2.6	UCAC2 38964289	12.90	7 ^h 33 ^m 54.197 ^s 20°13'37.834"	59.6	163	152.7	-59.1	89.5	-9.6	27.6	194	
2014/12/17 04:25:41	14375 1989 SU	6.3	18.10	6.85	102	0.6	36°58'32" 50°51'22"	29	1.3 1.6	TYC 137401365	11.25	7 ^h 47 ^m 12.010 ^s 21°52'48.018"	28.3	271	150.2	-9.2	89.6	30.0	25.5	154	
2014/12/17 04:31:03	3754 Kathleen	53.2	14.85	1.86	274	5.6	39°19'50" 51°34'46"	52	3.4 12.6	UCAC2 38964749	13.20	7 ^h 36 ^m 55.785 ^s 20°06'47.819"	24.5	273	152.2	-8.4	91.8	30.2	25.5	168	
2014/12/17 18:07:40	47106 1999 CU20	5.8	18.09	6.70	240	0.6	33°31'44" 51°18'10"	305	0.5 1.3	TYC 284801437	11.39	3 ^h 13 ^m 47.134 ^s 39°02'04.754"	75.4	133	145.2	-42.7	147.2	-50.7	20.7	176	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 7		LinOccult 2.2.0 BETA			
		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}
2014/12/17 18:33:54	105 Artemis	119.1	13.75	2.89	157	4.6	35°57'43" 51°26'34"	352	17.9	TYC 524000766	10.94	22 ^h 43 ^m 26.015 ^s −5°43'43.643"	14.0	243	74.6	-46.8	128.3	-49.9	20.6	183
2014/12/17 19:33:35	27537 HZ83	2000	18.11	5.28	36	0.6	36°10'03" 49°43'43"	193	1.6	TYC 7600600	12.84	4 ^h 06 ^m 09.079 ^s 4°40'56.989"	44.6	172	150.5	-55.1	148.7	-45.8	20.2	196
2014/12/17 22:05:55	25729 AV187	2000	17.65	5.50	65	0.6	36°41'06" 49°31'11"	154	1.6	TYC 16400733	12.16	7 ^h 16 ^m 33.401 ^s 0°13'26.279"	38.8	161	147.3	-62.6	102.5	-26.3	19.4	129
2014/12/17 23:10:41	2507 Bobone	15.8	15.92	2.34	151	1.3	35°39'12" 48°45'16"	197	2.5	UCAC2 36981620	13.71	6 ^h 59 ^m 00.285 ^s 14°35'52.886"	54.5	189	159.7	-57.0	109.8	-16.5	19.0	169
2014/12/18 15:30:50	50976 GD92	2000	18.21	6.56	119	0.5	35°26'33" 50°58'36"	330	1.3	UCAC2 41667048	11.65	4 ^h 35 ^m 07.783 ^s 28°03'36.821"	32.0	83	163.7	-17.7	150.5	-38.5	13.8	212
2014/12/18 15:57:42	7226 Kryl	10.0	16.46	2.87	143	0.9	35°18'38" 51°10'17"	331	1.7	UCAC2 39100305	13.67	5 ^h 19 ^m 56.775 ^s 20°36'35.469"	23.9	86	173.7	-21.9	142.6	-42.1	13.7	147
2014/12/18 16:56:37	722 Frieda	11.5	15.92	3.33	198	1.2	34°50'43" 51°34'24"	329	0.9	UCAC2 41879089	12.64	7 ^h 53 ^m 04.281 ^s 28°37'37.231"	15.3	63	150.8	-31.4	108.4	-48.8	13.4	114
2014/12/18 17:22:07	49574 CO119	1999	17.93	6.30	234	0.5	34°50'23" 51°56'36"	334	0.8	TYC 292901161	11.63	6 ^h 08 ^m 14.151 ^s 39°49'22.473"	42.5	75	162.7	-35.5	129.3	-51.0	13.3	197
2014/12/18 22:38:54	13982 Thun-berg	7.9	18.27	7.10	92	2.1	36°14'57" 49°13'27"	182	1.5	TYC 140201606	11.17	9 ^h 15 ^m 25.841 ^s 15°17'39.413"	45.2	128	130.1	-60.4	90.2	-31.2	11.8	181
2014/12/18 22:43:11	1668 Hanna	12.6	16.55	5.73	87	1.1	36°11'23" 49°16'15"	185	2.7	TYC 136000967	10.83	7 ^h 35 ^m 12.028 ^s 15°48'59.171"	55.2	164	153.2	-60.0	114.0	-30.6	11.7	157
2014/12/18 22:56:42	13412 Guerri-eri	5.8	17.34	5.73	214	0.5	35°48'03" 48°09'05"	189	0.5	TYC 185200573	11.62	5 ^h 34 ^m 09.669 ^s 26°11'35.992"	59.9	227	176.1	-58.7	142.4	-28.5	11.6	141
2014/12/19 05:14:38	367 Amicitia	19.1	14.53	1.26	167	1.0	37°31'12" 51°19'45"	32	2.5	UCAC2 33047894	13.68	11 ^h 57 ^m 31.180 ^s 3°34'30.970"	39.7	211	89.0	-2.6	52.4	21.0	9.9	127
2014/12/19 15:20:52	2417 McVittie	12.6	15.03	1.75	181	1.3	37°33'04" 48°38'56"	150	1.5	UCAC2 40151678	13.52	5 ^h 49 ^m 34.073 ^s 23°40'45.250"	16.2	72	179.6	-16.1	148.2	-31.5	7.4	129
2014/12/19 23:30:08	2207 Antenor	85.1	15.80	3.86	206	5.4	36°42'24" 51°52'31"	8	8.8	UCAC2 36766324	11.97	4 ^h 51 ^m 02.528 ^s 14°06'02.244"	39.2	241	163.2	-54.8	166.8	-33.3	5.6	307
2014/12/20 00:03:22	1259 Ogyalla	33.1	15.71	3.30	206	18.1	38°22'49" 51°20'03"	46	3.8	UCAC2 37716476	12.46	9 ^h 36 ^m 28.755 ^s 16°46'44.033"	53.8	149	126.8	-50.3	99.6	-28.2	5.6	178
2014/12/20 00:24:55	1514 Ricouxa	10.0	15.92	3.85	163	0.8	35°31'33" 48°39'55"	199	1.2	TYC 133400864	12.10	6 ^h 46 ^m 05.117 ^s 17°17'23.272"	49.8	227	165.6	-47.2	140.3	-24.9	5.4	112
2014/12/20 00:28:15	7167 Laupheim	13.2	17.31	7.77	230	1.4	39°30'00" 50°12'02"	86	1.3	TYC 603000655	9.54	9 ^h 35 ^m 05.879 ^s −16°00'26.108"	23.3	168	112.4	-46.7	91.1	-24.4	5.4	190
2014/12/20 03:44:45	591 Irmgard	51.9	14.75	1.27	211	4.1	34°07'47" 48°46'16"	227	4.6	UCAC2 45945884	13.88	4 ^h 44 ^m 31.760 ^s 40°48'13.083"	19.5	311	157.6	-15.6	155.0	4.4	4.7	136
2014/12/20 14:06:26	13833 XW13	1999	17.84	4.77	32	0.6	36°20'48" 49°45'33"	172	2.0	UCAC2 30783595	13.08	23 ^h 43 ^m 54.233 ^s −3°05'05.630"	34.6	157	86.7	-5.1	106.1	-12.9	3.0	221
2014/12/20 16:28:12	5851 Inagawa	11.0	16.85	3.03	103	0.8	36°21'57" 50°58'11"	3	2.2	UCAC2 33354449	13.88	6 ^h 09 ^m 25.272 ^s 4°37'52.326"	10.1	95	160.8	-26.7	153.9	-34.8	2.6	158

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 8		LinOccult 2.2.0 BETA			
		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}
2014/12/20 19:24:33	44520 1998 XC92	7.9	17.44	6.11	254	0.7	34°36'45'' 52°04'06''	332	0.6	TYC 134500957	11.34	7 ^h 09 ^m 29.718 ^s 16°39'31.668''	37.7	111	161.1	-53.8	145.5	-56.2	2.2	166
2014/12/20 19:41:19	513 Centes-ima	50.1	13.82	0.78	58	4.3	36°22'32'' 49°31'39''	174	13.2	UCAC2 34801521	13.77	6 ^h 22 ^m 21.371 ^s 8°33'12.147''	39.7	133	163.7	-55.9	154.6	-57.2	2.2	137
2014/12/20 19:42:22	2417 McVittie	12.6	15.08	4.39	170	1.4	36°27'13'' 48°31'32''	176	1.6	TYC 186201206	10.71	5 ^h 48 ^m 29.025 ^s 23°42'14.854''	57.0	133	178.7	-56.0	164.2	-57.2	2.2	129
2014/12/20 20:15:09	19982 Baradoore	6.9	15.25	3.49	121	0.6	37°45'10'' 49°30'36''	120	1.2	UCAC2 43434217	11.81	7 ^h 17 ^m 02.922 ^s 33°09'07.532''	56.4	105	159.3	-59.6	143.2	-58.2	2.1	87
2014/12/20 20:51:16	70104 1999 JG138	12.6	16.58	4.65	213	0.9	37°05'29'' 51°53'25''	16	1.4	UCAC2 46392944	11.94	4 ^h 56 ^m 56.024 ^s 42°08'05.079''	81.8	202	157.7	-62.4	155.9	-57.9	2.0	187
2014/12/20 22:29:21	294 Felicia	53.0	15.22	1.60	210	3.4	36°40'07'' 51°54'60''	7	6.0	UCAC2 38045782	13.91	6 ^h 32 ^m 24.913 ^s 17°33'16.719''	57.5	189	169.4	-61.3	156.2	-50.3	1.8	186
2014/12/21 00:11:27	712 Boliviana	127.6	13.46	1.19	282	8.8	33°57'54'' 48°01'13''	216	7.5	UCAC2 27844102	12.71	11 ^h 22 ^m 59.152 ^s -11°03'50.342''	18.8	136	92.8	-49.3	80.4	-36.5	1.6	165
2014/12/21 03:31:32	2632 Guizhou	29.1	17.71	4.93	26	1.1	36°31'50'' 50°13'11''	42	4.5	UCAC2 29464362	12.79	13 ^h 24 ^m 48.117 ^s -6°41'19.534''	30.2	154	66.9	-17.7	54.7	-6.2	1.3	257
2014/12/21 16:48:47	47874 2000 FP17	6.9	17.84	8.64	124	0.5	37°04'08'' 49°03'33''	153	1.2	HIP 30748	9.20	6 ^h 27 ^m 40.210 ^s 33°07'31.226''	31.9	75	168.2	-29.9	161.6	-29.7	0.4	186
2014/12/21 20:09:19	76638 2000 HSI4	6.6	19.01	7.55	119	0.5	36°15'36'' 51°07'14''	359	1.1	TYC 248600926	11.47	8 ^h 25 ^m 10.323 ^s 32°53'38.943''	45.1	90	146.5	-59.0	141.6	-55.8	0.2	209
2014/12/21 23:39:17	2008 Konsti-tutsiya	50.3	15.44	1.91	255	3.8	34°46'21'' 47°58'53''	205	4.3	UCAC2 47281049	13.73	4 ^h 08 ^m 59.379 ^s 45°55'49.566''	51.1	288	148.3	-53.8	145.0	-49.2	0.2	192
2014/12/22 05:00:05	591 Irmgard	51.9	14.77	1.48	152	4.1	38°17'02'' 50°31'21''	70	8.2	UCAC2 45945438	13.62	4 ^h 42 ^m 10.992 ^s 40°38'56.816''	10.1	325	156.2	-4.8	151.1	-2.0	0.2	136
2014/12/22 16:02:33	15766 Strahlen-berg	10.5	16.89	3.01	11	0.8	36°12'28'' 50°07'42''	328	2.4	UCAC2 41170250	13.95	6 ^h 18 ^m 22.288 ^s 26°36'52.094''	22.2	75	175.1	-22.4	170.6	-13.2	0.7	174
2014/12/22 16:10:13	591 Irmgard	51.9	14.78	1.46	136	4.1	34°42'55'' 50°45'04''	305	9.2	UCAC2 45945355	13.64	4 ^h 41 ^m 40.131 ^s 40°36'46.796''	47.7	79	155.8	-23.6	146.7	-14.4	0.7	136
2014/12/22 17:07:10	676 Melitta	80.0	14.09	1.43	197	5.7	36°40'48'' 48°18'01''	172	9.5	UCAC2 34237657	13.00	6 ^h 02 ^m 45.660 ^s 7°24'12.844''	20.8	104	164.0	-32.8	166.2	-23.1	0.8	163
2014/12/22 18:08:27	118081 5206 T-2	5.2	19.11	8.71	10	1.0	36°25'17'' 50°02'39''	92	0.9	TYC 231700440	10.40	2 ^h 08 ^m 26.281 ^s 34°28'59.186''	73.8	202	128.3	-42.5	117.8	-32.5	0.8	239
2014/12/22 19:28:39	19363 1997 OL2	5.8	17.94	7.68	247	0.5	37°21'20'' 47°56'29''	162	0.5	TYC 184901471	10.26	5 ^h 04 ^m 01.806 ^s 24°55'21.183''	62.1	147	166.5	-54.2	155.6	-44.1	1.0	166
2014/12/23 01:18:16	3469 Bul-gakov	20.9	15.73	2.02	49	1.5	36°19'08'' 49°36'35''	177	4.3	UCAC2 36082664	13.90	6 ^h 33 ^m 57.861 ^s 12°10'49.744''	35.2	244	166.7	-39.2	171.7	-43.2	1.5	187
2014/12/23 01:42:12	1216 Askania	6.6	17.20	6.09	95	0.6	37°01'07'' 50°45'30''	33	1.6	TYC 135100710	11.12	7 ^h 23 ^m 30.105 ^s 18°08'29.600''	43.7	242	160.7	-35.3	174.5	-39.9	1.6	123
2014/12/23 02:54:22	98116 2000 RA103	13.8	19.49	11.47	129	0.8	35°03'36'' 49°12'33''	223	1.5	HIP 21902	8.02	4 ^h 42 ^m 36.730 ^s 38°23'22.679''	22.4	304	157.0	-23.8	142.9	-29.0	1.7	331

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8')										Sorted by date/time.			Table 1		Page 9		LinOccult 2.2.0 BETA				
		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}	
2014/12/23 03:30:06	1647 Menelaus	72.0	18.30	6.58	165	3.7	37°51'53" 51°08'43"	43	6.3	TYC 552801018	11.73	12 ^h 41 ^m 39.829 ^s −9°34′08.779″	29.9	169	77.7	-18.1	92.6	-23.5	1.8	421	
2014/12/23 04:21:41	8330 Fitzroy	11.5	17.48	7.69	72	1.1	35°30'08" 49°38'45"	231	2.3	TYC 194400799	9.79	8 ^h 26 ^m 16.275 ^s 26°31′51.655″	34.7	271	147.8	-10.3	159.6	-15.5	1.9	187	
2014/12/23 16:21:43	33903 2000 KH68	9.5	17.51	5.85	42	0.8	36°01'29" 49°42'31"	206	2.1	TYC 118800659	11.67	0 ^h 53 ^m 17.276 ^s 15°47′38.601″	56.0	181	106.7	-25.4	84.3	-6.0	3.8	179	
2014/12/23 16:40:09	1471 Tornio	33.0	15.91	3.50	77	1.6	36°10'58" 50°44'08"	354	6.4	UCAC2 35134177	12.45	23 ^h 22 ^m 58.884 ^s 9°03′07.492″	43.2	219	83.7	-28.3	61.2	-8.7	3.8	191	
2014/12/23 17:29:14	4147 Lennon	8.7	17.30	5.51	72	2.7	37°11'04" 50°20'49"	63	2.1	TYC 120900218	11.79	1 ^h 56 ^m 08.656 ^s 18°43′32.323″	58.9	183	121.8	-36.2	98.7	-16.1	4.0	148	
2014/12/23 17:59:31	1737 Severny	26.5	15.58	3.68	172	2.8	34°56'45" 51°20'08"	326	3.7	UCAC2 41708300	11.94	8 ^h 15 ^m 36.576 ^s 28°04′34.498″	23.9	74	150.8	-41.0	165.8	-20.8	4.1	165	
2014/12/23 18:02:09	3725 Valsec- chi	6.0	17.24	5.83	234	0.6	38°19'08" 48°25'09"	141	0.5	UCAC2 46117463	11.42	5 ^h 31 ^m 25.687 ^s 41°25′32.571″	58.8	89	160.4	-41.5	142.4	-21.2	4.1	147	
2014/12/23 18:07:01	5157 Hin- demith	11.0	16.68	5.76	250	0.8	37°32'07" 47°57'17"	159	0.8	TYC 187801209	10.93	6 ^h 18 ^m 44.452 ^s 23°29′50.445″	40.5	102	177.3	-42.2	159.3	-21.9	4.1	161	
2014/12/23 19:08:10	5670 Rosstay- lor	18.2	15.09	2.60	103	1.3	35°17'05" 50°42'44"	316	3.4	TYC 132701510	12.60	6 ^h 21 ^m 31.942 ^s 21°38′31.033″	48.0	118	176.3	-51.4	159.7	-31.2	4.3	183	
2014/12/23 19:23:50	5974 1991 U22	10.5	17.01	4.11	194	0.8	36°50'27" 48°20'44"	168	1.3	UCAC2 39121430	12.93	6 ^h 34 ^m 26.359 ^s 20°50′11.214″	47.7	119	173.2	-53.5	162.7	-33.6	4.3	170	
2014/12/23 19:25:49	23158 Boulogny	5.0	16.81	7.10	118	0.5	36°10'45" 48°59'37"	184	1.0	TYC 131002693	9.71	5 ^h 43 ^m 35.251 ^s 20°41′40.465″	54.4	136	173.9	-53.8	150.9	-33.9	4.3	115	
2014/12/23 20:49:03	33074 1997 WP21	11.5	16.30	2.76	243	0.8	37°31'35" 52°05'18"	21	1.0	UCAC2 40667909	13.62	6 ^h 38 ^m 14.645 ^s 25°29′47.726″	61.7	143	172.7	-62.2	161.1	-45.3	4.6	175	
2014/12/23 21:48:35	8366 1990 UL1	5.5	15.95	3.28	232	0.6	37°10'05" 52°03'22"	16	0.1	TYC 134200998	12.73	6 ^h 47 ^m 00.457 ^s 21°30′10.584″	61.3	168	170.7	-63.4	163.9	-51.7	4.8	84	
2014/12/24 01:18:27	173 Ino	154.1	11.22	0.59	150	13.8	37°10'23" 51°16'09"	25	23.5	TYC 12100249	11.58	5 ^h 54 ^m 37.711 ^s 3°29′35.065″	21.8	248	159.8	-39.2	146.9	-48.7	5.6	110	
2014/12/24 01:50:44	115664 2003 UL142	5.5	18.65	11.49	38	0.5	36°14'60" 50°23'21"	356	1.3	HIP 19634	7.16	4 ^h 12 ^m 24.988 ^s 23°34′28.060″	15.8	288	153.4	-34.0	125.8	-44.9	5.8	166	
2014/12/24 02:26:28	56680 2000 LM8	5.8	19.36	7.48	77	0.7	36°54'27" 49°29'10"	145	1.0	UCAC2 37720420	11.88	11 ^h 29 ^m 19.874 ^s 16°40′25.074″	56.4	168	105.3	-28.3	130.4	-40.1	5.9	208	
2014/12/24 04:34:11	1184 Gaia	20.0	15.18	2.34	179	1.5	38°28'42" 50°50'32"	61	2.5	UCAC2 45964077	12.97	5 ^h 52 ^m 22.239 ^s 40°38′06.697″	19.7	310	162.3	-8.5	141.1	-20.9	6.4	143	
2014/12/24 15:23:50	32523 2001 OY82	10.0	17.32	4.57	100	0.8	37°06'27" 49°19'14"	144	1.9	UCAC2 43755168	12.76	5 ^h 06 ^m 06.949 ^s 34°12′00.686″	33.9	75	162.1	-16.2	128.9	11.8	9.2	186	
2014/12/24 16:09:52	13289 1998 QK75	10.0	17.28	7.01	199	2.1	37°43'34" 51°35'16"	31	1.2	TYC 62901155	10.27	1 ^h 57 ^m 33.664 ^s 14°58′16.366″	52.4	152	120.0	-23.4	84.4	6.0	9.4	178	
2014/12/24 17:27:50	14077 Vol- fango	6.6	18.85	6.96	189	0.6	34°55'08" 51°30'16"	329	0.8	UCAC2 41320777	11.89	4 ^h 07 ^m 56.644 ^s 27°20′55.748″	57.6	123	151.9	-35.9	115.7	-5.0	9.8	210	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 10		LinOccult 2.2.0 BETA			
		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}
2014/12/24 19:52:53	5413 Smyslov	12.6	17.22	7.62	14	1.4	36°12'31" 50°09'32"	336	2.7	TYC 124300898	9.60	3 ^h 40 ^m 01.418 ^s 19°48'38.191"	58.3	203	144.6	-57.0	107.1	-27.0	10.5	187
2014/12/24 21:17:36	10746 Muhlhausen	7.9	17.64	6.20	36	0.5	36°14'16" 50°22'16"	354	1.9	TYC 244700115	11.45	6 ^h 36 ^m 51.595 ^s 36°42'51.185"	75.0	147	165.6	-63.4	142.1	-39.1	10.9	166
2014/12/24 22:07:32	30443 Stieltjes	7.2	17.16	6.11	79	0.9	36°23'55" 49°20'16"	174	1.7	TYC 181701430	11.06	3 ^h 55 ^m 11.756 ^s 25°36'03.855"	49.3	249	148.8	-62.7	109.8	-45.1	11.2	144
2014/12/24 22:13:03	3739 Rem	7.9	16.27	4.46	32	0.6	36°16'47" 49°45'29"	181	2.6	UCAC2 39114729	11.83	6 ^h 16 ^m 45.425 ^s 20°48'45.976"	60.2	196	177.3	-62.5	142.3	-45.7	11.2	117
2014/12/24 23:32:25	1149 Volga	55.6	14.33	1.07	37	4.4	36°10'23" 50°22'22"	347	15.8	UCAC2 39108797	13.76	5 ^h 54 ^m 18.745 ^s 20°44'22.903"	50.3	235	175.0	-54.9	136.3	-51.9	11.6	134
2014/12/25 01:23:41	704 Interamnia	316.6	12.57	2.17	301	12.6	38°59'07" 52°09'25"	39	25.3	TYC 669700566	10.56	12 ^h 57 ^m 52.411 ^s -23°56'24.893"	6.6	140	71.0	-38.4	111.2	-50.4	12.2	264
2014/12/25 01:25:12	1482 Sebastiana	20.5	15.16	3.76	76	1.6	36°50'54" 50°37'30"	32	4.8	TYC 186601029	11.44	5 ^h 44 ^m 55.903 ^s 24°43'54.217"	34.7	268	173.5	-38.2	132.6	-50.3	12.2	151
2014/12/25 02:41:40	8250 Cornell	12.6	17.24	6.57	167	1.0	34°39'44" 48°59'12"	225	1.8	TYC 287602838	10.67	3 ^h 57 ^m 52.425 ^s 44°07'09.975"	21.7	314	145.4	-25.9	108.4	-42.9	12.7	208
2014/12/25 05:06:28	9200 1993 FK21	6.9	17.16	5.48	167	0.6	34°58'01" 48°48'53"	215	0.9	TYC 136601581	11.69	7 ^h 45 ^m 24.576 ^s 18°02'35.209"	13.6	282	157.9	-4.1	159.1	-22.2	13.5	125
2014/12/25 15:01:50	1351 Uzbekistania	64.9	15.40	3.80	7	6.4	36°22'03" 50°00'34"	126	13.4	UCAC2 35323241	11.63	0 ^h 48 ^m 16.758 ^s 10°04'48.728"	48.0	156	101.5	-12.7	53.0	23.3	16.9	193
2014/12/25 15:40:31	55419 2001 TF19	20.9	18.62	6.16	29	1.3	36°39'03" 50°09'57"	63	1.9	UCAC2 28847887	12.46	3 ^h 41 ^m 25.958 ^s -8°05'35.916"	17.7	127	130.9	-18.7	90.6	19.5	17.1	448
2014/12/25 16:23:08	1364 Safara	29.3	15.53	2.08	212	2.2	34°25'30" 51°33'02"	322	3.2	UCAC2 43093757	13.63	7 ^h 46 ^m 22.740 ^s 32°26'57.621"	18.2	61	158.0	-25.4	146.5	14.6	17.4	179
2014/12/25 16:39:13	256 Walpurga	63.3	14.51	1.21	113	5.1	36°31'05" 51°02'51"	8	12.3	UCAC2 32848252	13.73	7 ^h 16 ^m 36.642 ^s 3°25'14.845"	3.3	89	155.2	-28.0	145.0	12.6	17.5	160
2014/12/25 17:17:07	5851 Inagawa	11.0	16.85	3.70	111	0.8	36°02'21" 51°02'10"	351	2.2	UCAC2 33353166	13.18	6 ^h 04 ^m 41.342 ^s 4°44'13.825"	21.7	110	161.2	-34.1	127.2	7.5	17.7	158
2014/12/25 17:22:04	3347 Konstantin	14.5	15.74	2.20	108	1.2	36°40'28" 49°06'54"	165	3.0	UCAC2 37504076	13.69	6 ^h 08 ^m 53.218 ^s 16°18'36.999"	30.8	102	172.8	-34.9	129.1	6.8	17.7	148
2014/12/25 20:08:28	73505 2002 TD124	6.3	17.70	6.06	130	0.6	35°34'04" 51°07'24"	337	1.1	UCAC2 44974012	11.65	5 ^h 25 ^m 48.243 ^s 37°43'59.846"	76.4	150	162.0	-58.7	115.9	-18.0	18.8	174
2014/12/25 23:36:25	9875 1993 FH25	6.6	17.11	5.47	217	0.6	35°46'57" 48°07'24"	190	0.5	UCAC2 37311093	11.65	5 ^h 07 ^m 21.598 ^s 15°54'19.371"	38.7	246	162.0	-54.4	110.4	-44.8	20.2	126
2014/12/26 05:15:04	969 Leocadia	19.5	14.96	2.58	63	2.0	36°20'43" 50°36'35"	4	6.5	UCAC2 40326532	12.48	6 ^h 22 ^m 53.036 ^s 24°16'12.015"	4.4	303	178.5	-3.0	124.5	-26.1	22.5	96
2014/12/26 15:39:47	8427 1997 TH17	12.0	16.45	4.98	196	1.0	35°48'60" 51°46'48"	350	1.4	UCAC2 34968402	11.48	5 ^h 25 ^m 09.025 ^s 9°11'27.037"	16.7	96	160.7	-18.5	104.8	28.6	26.7	159
2014/12/26 19:32:23	527 Euryanthe	52.9	14.40	1.81	26	3.8	36°23'15" 50°16'33"	16	14.3	UCAC2 37864489	12.81	6 ^h 28 ^m 56.260 ^s 17°14'19.860"	48.2	130	173.6	-54.4	118.1	-1.0	28.4	144

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 11		LinOccult 2.2.0 BETA			
		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}
2014/12/26 20:19:28	2088 Sahlia	10.9	14.55	1.17	178	1.3	35°49'44'' 51°36'58''	349	0.6	UCAC2 43767149	13.83	5 ^h 56 ^m 16.480 ^s 34°05'40.238''	71.8	145	167.9	-59.7	108.7	-8.2	28.8	87
2014/12/26 21:13:25	669 Kypria	31.8	14.98	1.92	113	2.3	36°06'48'' 49°02'33''	186	6.0	UCAC2 34611680	13.27	6 ^h 24 ^m 08.282 ^s 8°25'05.032''	48.3	171	165.1	-63.2	116.0	-16.3	29.2	172
2014/12/27 01:38:17	8350 1989 AG	8.3	15.62	4.66	49	0.7	35°42'03'' 49°49'25''	239	2.7	TYC 187902078	10.98	6 ^h 27 ^m 20.835 ^s 23°34'58.169''	37.3	263	178.7	-36.2	113.5	-44.1	31.2	114
2014/12/27 02:56:07	10020 1979 OQ5	11.0	17.23	3.89	218	0.8	34°29'17'' 48°28'53''	216	1.2	UCAC2 41330959	13.37	5 ^h 34 ^m 37.785 ^s 27°10'39.974''	19.2	290	168.6	-23.7	100.6	-43.0	31.8	182
2014/12/27 14:17:45	15110 2000 CE62	9.5	17.25	5.90	4	0.7	36°14'06'' 50°04'01''	301	2.2	TYC 187600838	11.36	6 ^h 05 ^m 15.530 ^s 29°29'55.470''	13.7	60	172.5	-6.1	100.7	38.2	36.9	175
2014/12/27 16:29:14	12039 1997 CB22	10.0	17.13	4.12	38	0.8	35°48'50'' 50°11'53''	296	2.5	UCAC2 42054828	13.03	8 ^h 01 ^m 22.613 ^s 29°00'41.161''	15.5	63	157.6	-26.2	124.2	33.2	37.9	157
2014/12/27 18:18:17	17419 1988 RH13	19.1	18.11	6.20	182	1.1	35°24'01'' 51°34'60''	340	1.9	UCAC2 44981830	11.91	6 ^h 04 ^m 02.882 ^s 37°50'15.687''	56.7	94	164.7	-43.6	97.5	21.0	38.8	347
2014/12/27 18:48:26	19982 Baradoore	6.9	15.09	6.32	109	0.6	37°42'44'' 49°42'25''	110	1.0	TYC 243800636	8.77	7 ^h 05 ^m 28.587 ^s 31°21'31.696''	47.6	96	167.9	-48.1	110.6	16.9	39.0	65
2014/12/27 19:29:22	5769 Michael	12.0	16.81	3.26	144	0.9	37°07'39'' 48°52'20''	155	1.9	UCAC2 42022527	13.60	5 ^h 19 ^m 41.972 ^s 29°17'57.100''	66.6	146	164.2	-53.9	87.7	10.9	39.3	176
2014/12/27 19:42:56	2352 Kurchatov	17.4	16.24	3.26	16	1.2	36°17'02'' 49°54'04''	181	3.1	UCAC2 33551374	13.04	7 ^h 12 ^m 55.733 ^s 5°29'21.816''	34.4	129	158.8	-55.6	115.0	8.9	39.4	222
2014/12/27 19:58:56	825 Tanina	11.2	14.30	1.68	83	1.1	36°14'01'' 50°47'29''	357	3.2	UCAC2 39629890	12.88	5 ^h 44 ^m 51.027 ^s 22°16'07.093''	60.4	153	170.7	-57.5	93.0	6.5	39.5	99
2014/12/27 20:12:03	676 Melitta	80.0	14.11	2.36	230	5.7	35°37'08'' 48°01'57''	192	7.4	UCAC2 34415428	11.88	5 ^h 58 ^m 26.715 ^s 7°35'05.754''	46.1	160	163.0	-58.9	96.2	4.5	39.6	164
2014/12/27 20:49:33	22808 1999 RU12	12.6	19.76	6.42	246	0.7	36°48'53'' 47°51'47''	171	1.0	UCAC2 42897988	13.34	5 ^h 42 ^m 10.651 ^s 31°49'58.623''	72.1	178	167.1	-62.0	91.8	-1.2	39.9	446
2014/12/27 21:40:30	5144 Achates	52.5	16.88	2.99	130	3.2	36°17'59'' 51°13'02''	0	5.1	UCAC2 42887101	13.96	4 ^h 31 ^m 54.126 ^s 31°41'29.917''	61.5	242	153.5	-63.4	76.4	-9.0	40.4	385
2014/12/27 21:57:57	46251 2001 HO31	6.3	17.93	7.62	214	0.6	37°34'28'' 51°47'35''	25	0.7	TYC 69301902	10.31	5 ^h 04 ^m 33.418 ^s 11°38'55.149''	46.3	218	157.5	-63.1	81.9	-11.6	40.5	181
2014/12/28 00:23:17	33259 1998 HL39	6.6	16.82	6.06	89	0.8	36°09'19'' 50°50'31''	354	1.5	TYC 477000655	10.76	5 ^h 34 ^m 01.611 ^s -3°29'49.481''	18.8	240	150.3	-47.9	87.6	-30.9	41.7	144
2014/12/28 02:21:34	7775 Taiiko	7.2	16.00	4.44	40	0.7	36°30'00'' 50°23'01''	22	2.3	TYC 187901046	11.58	6 ^h 31 ^m 21.343 ^s 23°31'16.961''	30.3	271	178.8	-29.3	99.8	-39.2	42.6	117
2014/12/28 03:36:26	5394 Jurgens	6.6	15.47	4.91	167	0.9	37°30'02'' 51°20'13''	31	0.4	TYC 189501143	10.57	7 ^h 06 ^m 56.816 ^s 23°20'36.641''	23.9	278	170.7	-17.4	107.2	-38.9	43.2	82
2014/12/28 04:21:10	6265 1985 TW3	6.9	16.39	5.16	178	0.7	34°44'46'' 48°48'11''	218	0.7	TYC 185400062	11.24	5 ^h 17 ^m 31.740 ^s 27°47'55.079''	4.8	309	163.8	-10.6	82.0	-36.5	43.5	109
2014/12/28 16:01:09	563 Suleika	53.3	12.97	0.67	216	2.2	33°49'51'' 51°12'01''	306	5.2	UCAC2 28475740	13.15	0 ^h 07 ^m 29.748 ^s -9°18'33.586''	29.9	193	81.5	-21.6	12.5	42.4	48.9	153

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 12		LinOccult 2.2.0 BETA			
		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}
2014/12/28 17:21:35	7906 Melanch-ton	9.5	16.97	5.80	53	0.7	36°02'42'' 50°30'08''	341	2.3 2.4	TYC 72401872	11.18	5 ^h 59 ^m 26.462 ^s 13°06'46.292''	31.6	109	167.7	-34.5	84.1	37.4	49.5	156
2014/12/28 18:51:53	568 Cheruskia	87.0	13.72	3.46	175	8.9	37°19'50'' 48°38'06''	155	11.3 25.3	TYC 489100665	10.31	9 ^h 11 ^m 12.525 ^s −6°46'48.857''	0.3	101	130.3	-48.5	131.8	27.2	50.3	135
2014/12/28 18:57:05	23101 1999 XP164	12.0	16.83	3.21	56	0.8	36°17'10'' 49°32'32''	180	2.5 2.6	UCAC2 39464111	13.68	6 ^h 35 ^m 22.120 ^s 21°43'31.160''	47.3	116	178.0	-49.3	91.3	26.5	50.3	183
2014/12/28 19:48:13	3191 Svanetia	12.0	16.20	4.07	238	1.0	36°45'37'' 47°55'45''	172	0.9 3.2	UCAC2 40840566	12.16	6 ^h 58 ^m 05.328 ^s 25°56'57.290''	54.7	120	173.0	-56.1	95.6	19.3	50.7	149
2014/12/28 23:06:42	85973 1999 GP19	5.2	17.75	6.03	169	0.5	37°19'32'' 51°24'58''	26	0.7 1.4	TYC 290203352	11.72	4 ^h 57 ^m 39.804 ^s 42°11'14.354''	57.8	274	153.0	-58.0	69.5	-10.6	52.3	152
2014/12/28 23:09:06	763 Cupido	17.3	14.61	1.51	247	1.9	36°36'54'' 52°15'10''	5	0.2 7.5	UCAC2 40825883	13.41	6 ^h 08 ^m 06.874 ^s 25°30'32.679''	57.1	233	174.5	-57.7	82.4	-10.9	52.3	92
2014/12/28 23:51:31	669 Kypria	31.8	14.98	1.63	188	2.2	36°57'09'' 51°40'53''	15	4.1 7.4	UCAC2 34610787	13.63	6 ^h 22 ^m 21.576 ^s 8°27'38.980''	39.0	228	165.1	-52.5	86.1	-16.8	52.6	172
2014/12/29 00:41:39	1859 Ko-valevskaya	46.0	15.60	3.41	75	3.2	36°45'05'' 50°38'60''	26	9.0 9.8	UCAC2 43594615	12.24	5 ^h 54 ^m 53.499 ^s 33°39'59.534''	46.8	269	166.9	-45.2	78.7	-23.2	53.0	187
2014/12/29 02:08:38	6502 1993 XR1	6.3	15.97	4.89	173	0.7	35°07'35'' 48°41'34''	209	0.5 2.7	TYC 77401115	11.09	7 ^h 09 ^m 00.977 ^s 14°47'22.817''	31.3	255	167.7	-31.4	95.6	-31.5	53.7	94
2014/12/29 02:53:52	1961 Dufour	50.3	14.86	1.58	176	4.9	34°24'54'' 49°01'57''	230	6.7 13.6	UCAC2 42576567	13.57	7 ^h 59 ^m 07.093 ^s 30°38'02.457''	43.5	268	159.0	-24.2	103.8	-34.1	54.1	147
2014/12/29 03:20:02	66013 1998 QC24	6.6	18.18	7.90	168	0.8	34°05'07'' 49°32'28''	250	0.9 1.3	TYC 234200369	10.28	3 ^h 35 ^m 30.507 ^s 31°48'02.100''	3.0	319	140.4	-20.0	48.4	-34.9	54.3	199
2014/12/29 03:21:35	763 Cupido	17.3	14.62	1.21	18	1.9	36°19'25'' 49°53'03''	172	7.3 7.5	UCAC2 40825823	13.85	6 ^h 07 ^m 54.056 ^s 25°30'03.876''	17.9	289	174.2	-19.8	79.9	-34.9	54.3	92
2014/12/29 03:44:39	76819 2000 RQ91	13.8	19.32	7.50	178	0.9	34°08'36'' 49°15'02''	240	1.2 1.3	TYC 290100908	11.83	4 ^h 46 ^m 52.696 ^s 42°04'26.279''	16.7	317	151.3	-16.2	65.1	-35.1	54.5	412
2014/12/29 04:39:57	1859 Ko-valevskaya	46.0	15.60	2.86	141	3.2	34°41'51'' 49°18'28''	234	7.4 9.8	UCAC2 43594587	12.82	5 ^h 54 ^m 44.161 ^s 33°39'47.363''	11.4	310	166.8	-7.9	76.4	-33.9	54.9	187
2014/12/29 16:13:16	3567 Alvema	8.7	15.46	4.11	60	1.0	36°35'42'' 49°32'31''	159	3.0 3.6	TYC 136400918	11.37	7 ^h 35 ^m 10.836 ^s 18°28'22.733''	10.2	73	164.8	-23.4	93.4	47.3	60.1	96
2014/12/29 17:57:04	42749 1998 SL25	5.0	18.58	7.78	35	0.9	35°53'04'' 50°13'56''	306	0.9 0.9	TYC 63400129	10.80	2 ^h 20 ^m 24.458 ^s 12°27'00.029''	52.0	194	119.2	-40.0	16.9	42.8	60.8	229
2014/12/29 18:24:58	6485 Wen-deesther	5.8	15.73	3.44	85	0.6	35°33'06'' 50°38'55''	322	1.6 3.1	TYC 537801431	12.33	6 ^h 42 ^m 29.102 ^s −8°18'35.984''	17.4	127	148.4	-44.4	82.8	40.2	61.1	73
2014/12/29 19:20:21	26346 1998 XF93	10.5	16.57	3.34	3	0.8	36°19'57'' 50°02'47''	92	2.5 2.5	UCAC2 39992311	13.28	6 ^h 23 ^m 04.143 ^s 23°03'06.463''	53.8	126	177.5	-52.4	74.4	33.7	61.5	165
2014/12/29 20:49:41	1327 Na-maqua	25.1	16.22	5.24	110	1.8	36°10'39'' 49°03'42''	184	4.5 5.4	TYC 190500647	10.99	6 ^h 43 ^m 12.802 ^s 28°43'22.086''	66.5	149	174.0	-61.8	77.8	21.1	62.2	184
2014/12/29 21:46:38	25736 2000 AP196	6.6	17.63	6.33	130	0.5	36°01'46'' 51°12'07''	352	1.2 1.7	TYC 131700835	11.30	6 ^h 00 ^m 39.935 ^s 17°47'48.725''	56.8	199	170.5	-63.3	67.8	12.4	62.6	159

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 13		LinOccult 2.2.0 BETA			
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}
2014/12/29 21:57:16	1010 Marlene	43.5	14.62	1.86	90	3.6	36°33'43" 50°50'07"	13	9.9	UCAC2 39835684	12.98	7 ^h 14 ^m 11.586 ^s 22°51'58.515"	62.8	171	170.8	-63.0	84.6	10.8	62.7	143
2014/12/30 01:11:08	3880 Kaiser- man	6.3	16.11	5.06	175	0.7	36°46'27" 51°35'26"	11	0.4	TYC 182600395	11.06	4 ^h 07 ^m 48.955 ^s 29°54'14.754"	22.1	291	146.5	-40.7	42.2	-17.0	64.2	89
2014/12/30 03:30:23	11770 Rudominkowski	6.9	18.04	7.07	187	0.5	37°40'59" 51°28'19"	32	0.9	TYC 184700020	10.97	5 ^h 25 ^m 20.344 ^s 24°17'27.172"	8.8	298	163.9	-18.4	56.5	-29.3	65.2	178
2014/12/30 18:24:07	17129 1999 JM78	10.0	16.40	2.80	57	0.8	36°13'33" 50°33'15"	356	2.7	UCAC2 35373590	13.69	7 ^h 07 ^m 15.707 ^s 10°07'06.275"	29.7	111	165.3	-44.1	73.1	48.4	71.4	135
2014/12/30 21:39:04	17322 3274 T- 1	7.2	17.33	6.94	234	0.6	35°52'42" 47°57'31"	187	0.5	TYC 18301386	10.40	7 ^h 38 ^m 58.829 ^s 1°54'41.786"	40.5	161	154.2	-63.3	80.5	24.3	72.7	143
2014/12/30 22:14:52	54598 Bienor	104.7	19.81	7.68	151	12.7	36°15'46" 48°41'29"	181	3.0	UCAC2 42002483	12.13	1 ^h 32 ^m 39.099 ^s 29°22'13.407"	24.5	287	112.3	-62.2	20.5	18.8	73.0	1407
2014/12/30 22:54:39	3754 Kath- leen	53.2	14.51	6.42	251	4.4	37°49'52" 52°04'51"	26	1.1	TYC 135902518	8.09	7 ^h 26 ^m 57.831 ^s 21°01'48.809"	60.6	194	168.7	-59.2	73.7	12.7	73.2	102
2014/12/30 23:40:18	5778 Ju- rafrance	14.5	15.33	2.89	188	1.1	36°24'38" 51°43'58"	3	1.8	UCAC2 40327661	12.52	6 ^h 26 ^m 30.430 ^s 24°17'56.697"	53.3	238	176.9	-54.0	59.1	5.7	73.5	155
2014/12/31 05:23:13	4594 Dashkova	5.2	17.23	5.83	52	0.5	36°29'59" 50°29'47"	17	1.7	TYC 79100357	11.41	7 ^h 53 ^m 59.641 ^s 14°51'05.396"	6.2	286	160.7	-2.0	77.3	-27.3	75.8	106
2014/12/31 15:52:37	3440 Stampfer	10.5	16.80	3.33	44	0.9	36°21'39" 49°39'11"	173	2.6	UCAC2 36062501	13.53	5 ^h 27 ^m 27.673 ^s 12°06'49.774"	23.8	100	159.2	-19.9	36.7	46.8	79.6	154
2014/12/31 17:27:30	8330 Fitzroy	11.5	17.31	8.31	154	1.0	35°06'28" 51°12'23"	327	1.8	TYC 193600937	9.00	8 ^h 20 ^m 43.821 ^s 26°58'07.377"	22.2	74	157.4	-35.1	74.9	54.0	80.1	183
2014/12/31 20:16:45	1347 Patria	32.4	14.78	3.16	233	3.5	37°23'26" 48°05'10"	160	1.6	UCAC2 32530400	11.69	8 ^h 12 ^m 09.015 ^s 2°12'31.211"	30.4	129	150.0	-58.9	76.3	45.3	81.1	118
2014/12/31 22:06:15	3527 McCord	10.0	17.24	4.32	202	1.7	36°46'40" 51°49'54"	10	1.1	UCAC2 35325568	12.94	1 ^h 51 ^m 57.572 ^s 10°01'36.319"	14.0	269	109.6	-62.6	19.7	30.2	81.7	158

