

## 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 2.1.1  
Author: Plekhanov Andrey andyplekhanov@gmail.com  
Events number: 161

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 1		LinOccult 2.1.1				
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2012/10/01 02:55:09	488 Kreusa	150.1	13.45	1.30	42	6.0	36°13'34" 50°25'13"	354	28.4	UCAC2 40011539	12.54	7 <sup>h</sup> 41 <sup>m</sup> 08.478 <sup>s</sup> 23°14'08.412"	57.1	135	75.1	-7.1	93.6	18.5	99.0	202
2012/10/01 19:16:59	84962 YM9	2003	19.68	8.98	241	0.6	34°00'51" 51°40'18"	318	0.5	TYC 112301371	10.70	21 <sup>h</sup> 31 <sup>m</sup> 41.420 <sup>s</sup> 9°42'39.917"	48.3	200	134.7	-36.5	60.7	36.1	97.3	277
2012/10/01 19:43:18	38448 SS18	1999	18.87	7.77	90	0.6	35°04'01" 49°51'03"	256	1.0	UCAC2 33344981	11.10	5 <sup>h</sup> 04 <sup>m</sup> 35.129 <sup>s</sup> 4°43'53.251"	1.6	85	112.2	-39.0	51.0	39.8	97.2	182
2012/10/01 20:42:39	1630 Milet	20.0	17.42	4.34	93	9.1	37°08'33" 49°24'59"	139	3.4	UCAC2 22123388	13.10	20 <sup>h</sup> 38 <sup>m</sup> 57.999 <sup>s</sup> -24°01'04.903"	4.6	223	116.9	-42.9	82.5	46.9	97.2	215
2012/10/02 00:44:57	82427 NA21	2001	18.97	8.57	206	0.8	34°38'22" 51°34'33"	325	0.6	TYC 185700439	10.40	5 <sup>h</sup> 05 <sup>m</sup> 31.950 <sup>s</sup> 29°59'04.147"	66.1	140	110.7	-27.3	47.7	45.9	96.5	192
2012/10/02 02:30:39	5962 Shikokutenkyo	10.5	16.38	3.12	133	0.8	36°54'28" 51°10'40"	19	1.9	UCAC2 33682867	13.32	23 <sup>h</sup> 59 <sup>m</sup> 36.025 <sup>s</sup> 5°01'39.047"	6.9	270	171.4	-11.3	29.6	31.9	96.2	140
2012/10/02 16:49:01	11982 UF6	1995	17.43	5.49	154	0.7	34°07'60" 50°02'53"	270	0.9	TYC 747901242	11.94	21 <sup>h</sup> 06 <sup>m</sup> 55.377 <sup>s</sup> -34°49'41.449"	4.0	167	117.6	-16.6	90.2	8.7	93.8	148
2012/10/02 16:53:11	10570 Shibayasuo	8.3	18.02	8.36	46	0.5	35°58'38" 50°24'21"	331	1.7	TYC 1900071	9.66	1 <sup>h</sup> 02 <sup>m</sup> 55.564 <sup>s</sup> 2°20'42.266"	11.8	101	173.0	-17.3	23.8	9.4	93.8	188
2012/10/02 21:48:21	19177 PJ11	1991	16.75	5.23	88	0.8	36°58'15" 49°23'17"	146	1.4	TYC 62800783	11.53	1 <sup>h</sup> 51 <sup>m</sup> 27.744 <sup>s</sup> 14°57'18.130"	53.7	159	158.5	-43.8	10.0	51.9	92.8	111
2012/10/02 22:22:25	2149 Schwabramiya	15.8	17.29	4.16	118	0.5	37°55'00" 49°53'00"	99	2.5	UCAC2 40017364	13.16	8 <sup>h</sup> 49 <sup>m</sup> 29.453 <sup>s</sup> 23°04'05.743"	6.5	61	61.6	-42.4	87.0	54.7	92.7	221
2012/10/02 22:48:22	5583 Braunerova	10.5	17.99	4.62	116	0.5	37°15'36" 49°13'13"	143	1.8	UCAC2 40008959	13.39	7 <sup>h</sup> 22 <sup>m</sup> 02.069 <sup>s</sup> 23°28'59.399"	24.0	82	81.2	-40.7	67.1	56.1	92.6	201
2012/10/02 22:57:11	2786 Grinevia	13.2	15.85	4.00	160	1.3	34°03'07" 50°11'18"	276	2.0	TYC 239600566	11.88	4 <sup>h</sup> 58 <sup>m</sup> 54.509 <sup>s</sup> 35°09'37.581"	56.3	100	112.1	-40.0	37.1	56.4	92.6	147
2012/10/03 00:01:28	1016 Anitra	13.8	15.61	2.15	40	0.9	36°35'15" 49°44'37"	148	4.6	UCAC2 42036543	13.63	6 <sup>h</sup> 16 <sup>m</sup> 39.469 <sup>s</sup> 29°28'28.146"	50.4	104	96.3	-33.3	51.6	56.0	92.4	111
2012/10/03 01:55:14	545 Messalina	111.3	13.64	0.83	204	10.3	37°27'42" 51°43'29"	24	11.9	UCAC2 40967381	13.48	2 <sup>h</sup> 04 <sup>m</sup> 55.142 <sup>s</sup> 26°29'11.622"	47.9	254	149.2	-17.1	12.8	45.6	91.9	149
2012/10/03 02:21:28	4553 Don-campbell	12.0	16.18	2.42	33	1.1	36°31'32" 49°47'42"	149	3.5	UCAC2 32307528	13.89	2 <sup>h</sup> 31 <sup>m</sup> 15.343 <sup>s</sup> 1°58'43.047"	28.3	235	151.4	-13.0	15.2	42.2	91.8	132
2012/10/03 15:56:56	596 Scheila	113.3	14.10	1.28	171	3.9	34°36'53" 51°09'49"	316	15.9	UCAC2 18967777	13.22	17 <sup>h</sup> 18 <sup>m</sup> 27.069 <sup>s</sup> -30°39'37.488"	5.5	204	70.5	-8.7	148.3	-3.3	88.7	185
2012/10/03 15:59:00	3001 Michelan-gelo	13.8	16.86	3.09	86	0.7	35°21'29" 50°32'54"	310	2.5	UCAC2 22539832	13.83	18 <sup>h</sup> 17 <sup>m</sup> 40.594 <sup>s</sup> -23°22'05.083"	15.6	194	83.4	-9.0	136.0	-3.0	88.7	197
2012/10/03 19:13:28	19700 SG15	1999	17.27	7.34	198	0.8	34°26'14" 51°23'23"	319	0.7	TYC 231201175	9.93	1 <sup>h</sup> 57 <sup>m</sup> 42.213 <sup>s</sup> 32°19'18.259"	48.2	95	146.5	-36.9	22.4	25.9	87.9	149
2012/10/04 01:22:35	8187 Akirami-sawa	8.3	16.73	5.74	30	0.8	36°13'00" 50°18'59"	351	2.2	TYC 527400691	10.99	1 <sup>h</sup> 19 <sup>m</sup> 22.135 <sup>s</sup> -10°31'35.980"	15.4	232	162.2	-22.4	43.7	56.1	86.2	147
2012/10/04 01:35:38	651 Antikleia	33.0	13.91	1.41	49	3.2	36°10'14" 49°36'40"	190	9.7	UCAC2 33864395	12.85	1 <sup>h</sup> 51 <sup>m</sup> 44.486 <sup>s</sup> 6°27'30.110"	32.4	237	162.2	-20.4	27.0	55.0	86.2	125

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 2		LinOccult 2.1.1			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2012/10/04 01:46:01	4502 Eliza-bethann	15.8	15.41	3.80	117	1.2	37°01'28" 49°06'38"	153	3.2	UCAC2 30624285	11.65	0 <sup>h</sup> 39 <sup>m</sup> 27.253 <sup>s</sup> -3°13'58.593"	12.6	249	172.4	-18.8	47.6	54.0	86.1	135	
2012/10/04 15:58:05	16080 RX184	5.8	17.48	7.05	92	1.5	35°33'58" 49°22'12"	214	1.3	TYC 638800027	10.44	22 <sup>h</sup> 32 <sup>m</sup> 47.589 <sup>s</sup> -17°37'10.296"	10.0	133	141.0	-9.2	88.4	-7.4	82.2	141	
2012/10/04 18:49:51	298 Bap-tistina	19.1	15.96	2.46	50	1.3	35°44'44" 50°19'45"	309	4.9	UCAC2 20273465	13.61	19 <sup>h</sup> 21 <sup>m</sup> 30.167 <sup>s</sup> -28°11'52.205"	3.3	216	96.2	-34.5	134.9	16.1	81.2	145	
2012/10/04 20:42:05	14315 Ogawa-machi	10.0	17.70	5.13	184	0.8	38°45'18" 49°36'58"	105	1.3	UCAC2 30441314	12.57	20 <sup>h</sup> 15 <sup>m</sup> 10.177 <sup>s</sup> -4°15'49.821"	17.1	241	112.4	-44.0	118.2	33.6	80.6	188	
2012/10/05 02:38:57	4611 Vulka-neifel	14.5	16.22	2.74	61	0.8	36°20'21" 49°29'59"	176	3.6	UCAC2 36271019	13.57	6 <sup>h</sup> 52 <sup>m</sup> 22.617 <sup>s</sup> 12°44'10.875"	51.4	160	89.1	-10.7	36.8	54.8	78.7	145	
2012/10/05 17:33:30	2455 Somville	15.1	17.43	5.24	213	0.6	34°17'25" 48°38'30"	222	1.7	UCAC2 21368309	12.19	17 <sup>h</sup> 21 <sup>m</sup> 49.130 <sup>s</sup> -25°38'35.291"	0.6	227	68.7	-24.5	171.9	-1.0	73.8	217	
2012/10/05 19:03:08	1380 Volodia	15.1	17.88	4.01	35	1.0	35°48'05" 50°01'40"	266	2.6	UCAC2 43606253	13.90	6 <sup>h</sup> 59 <sup>m</sup> 42.388 <sup>s</sup> 33°38'49.896"	5.4	41	90.2	-36.5	30.0	11.4	73.2	232	
2012/10/06 00:54:06	1116 Catriona	39.1	14.17	0.88	101	2.2	35°17'18" 50°41'57"	315	8.8	UCAC2 46274192	13.93	6 <sup>h</sup> 33 <sup>m</sup> 03.019 <sup>s</sup> 41°57'22.941"	65.8	97	96.2	-27.1	27.5	59.6	71.2	132	
2012/10/06 02:26:47	630 Euphemia	17.2	15.94	2.54	49	0.8	36°19'25" 50°29'10"	3	4.0	UCAC2 37882398	13.51	7 <sup>h</sup> 23 <sup>m</sup> 28.751 <sup>s</sup> 17°08'38.548"	52.6	143	83.1	-12.9	31.2	60.1	70.6	164	
2012/10/06 03:12:46	1386 Storeria	7.2	17.77	6.43	245	0.9	33°30'20" 48°47'27"	235	0.4	TYC 71600131	11.35	5 <sup>h</sup> 53 <sup>m</sup> 09.627 <sup>s</sup> 8°57'28.571"	48.0	197	104.4	-5.5	15.3	56.6	70.3	139	
2012/10/06 14:57:53	45445 2000 AR181	8.3	18.24	7.54	87	0.5	36°08'24" 49°16'23"	187	1.4	TYC 571300064	10.70	19 <sup>h</sup> 20 <sup>m</sup> 55.463 <sup>s</sup> -10°07'55.314"	28.8	164	96.6	-0.2	153.2	-18.5	66.1	213	
2012/10/06 16:39:52	428 Monachia	17.8	16.41	3.20	239	1.0	39°13'08" 49°02'41"	118	1.2	UCAC2 19774928	13.27	18 <sup>h</sup> 54 <sup>m</sup> 34.871 <sup>s</sup> -29°15'45.058"	9.1	196	88.3	-16.6	161.5	-12.3	65.4	139	
2012/10/06 21:58:59	3971 Voronikhin	29.3	14.41	1.22	14	3.6	36°13'59" 50°10'04"	344	10.2	UCAC2 42175125	13.62	0 <sup>h</sup> 50 <sup>m</sup> 13.810 <sup>s</sup> 29°33'36.322"	68.6	203	155.8	-44.9	68.0	30.8	63.4	113	
2012/10/07 03:16:52	5113 Kohno	11.0	17.48	3.67	17	0.7	36°10'30" 49°54'39"	208	2.4	UCAC2 47125632	13.85	0 <sup>h</sup> 10 <sup>m</sup> 41.298 <sup>s</sup> 45°16'37.959"	28.2	308	139.2	-5.1	74.6	59.5	61.3	183	
2012/10/07 19:37:23	6909 Levison	6.0	16.60	4.85	216	0.6	34°41'26" 51°42'30"	328	0.5	UCAC2 32597162	11.76	19 <sup>h</sup> 18 <sup>m</sup> 46.266 <sup>s</sup> 2°15'08.331"	21.9	246	96.3	-40.8	156.0	1.5	55.0	142	
2012/10/07 20:15:22	4732 Froeschle	29.8	16.97	4.44	124	1.9	36°34'09" 51°08'37"	9	4.2	UCAC2 36086945	12.55	6 <sup>h</sup> 44 <sup>m</sup> 00.997 <sup>s</sup> 12°17'18.256"	0.6	71	93.8	-43.8	7.3	6.8	54.6	252	
2012/10/08 00:17:06	222 Lucia	54.9	13.76	1.74	247	4.0	37°17'06" 47°55'23"	163	4.1	UCAC2 33685902	12.27	1 <sup>h</sup> 19 <sup>m</sup> 58.222 <sup>s</sup> 5°30'11.830"	35.6	228	173.8	-32.8	80.9	43.3	53.0	159	
2012/10/08 01:31:29	23607 1996 AR2	6.3	16.70	4.61	151	1.1	37°58'31" 50°52'25"	53	1.0	TYC 233602228	12.11	2 <sup>h</sup> 40 <sup>m</sup> 54.212 <sup>s</sup> 36°43'47.610"	61.1	257	140.8	-22.1	57.1	52.7	52.6	126	
2012/10/08 18:23:58	1490 Limpopo	18.6	15.74	3.19	253	1.5	36°23'46" 47°46'33"	178	0.3	UCAC2 29367940	12.61	20 <sup>h</sup> 01 <sup>m</sup> 25.587 <sup>s</sup> -7°09'53.586"	27.4	214	104.9	-32.7	166.6	-14.5	45.7	102	
2012/10/08 21:37:15	30555 2001 OM59	5.0	15.85	5.98	182	0.7	38°49'53" 50°05'46"	88	0.5	TYC 700300865	9.87	1 <sup>h</sup> 34 <sup>m</sup> 13.117 <sup>s</sup> -30°13'23.924"	9.7	176	142.5	-46.2	98.7	10.0	44.3	119	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 3		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 (%)	$\sigma_{km}$	
2012/10/09 02:34:03	42946 TU95	6.0	18.55	7.98	65	0.9	36°31'38'' 50°36'22''	15	1.4	TYC 130300903	10.57	5 <sup>h</sup> 48 <sup>m</sup> 47.633 <sup>s</sup> 18°08'09.795''	58.0	190	108.6	-12.4	27.6	52.0	42.4	160	
2012/10/09 18:28:25	51938 QL159	6.3	19.19	7.05	50	1.0	36°52'55'' 50°17'02''	58	1.0	TYC 633100065	12.15	20 <sup>h</sup> 45 <sup>m</sup> 24.461 <sup>s</sup> -16°39'01.563''	20.9	201	112.6	-33.6	173.1	-20.9	35.9	245	
2012/10/09 18:55:43	1227 Gera-nium	41.8	15.88	3.20	60	3.8	35°58'25'' 50°32'57''	338	8.1	UCAC2 43394590	12.74	3 <sup>h</sup> 10 <sup>m</sup> 38.177 <sup>s</sup> 33°19'32.173''	38.1	81	139.8	-37.1	71.2	-18.7	35.8	196	
2012/10/09 23:10:32	13897 Vestivius	12.0	17.59	4.75	60	1.6	36°39'18'' 49°34'00''	154	2.1	UCAC2 29206157	12.85	22 <sup>h</sup> 53 <sup>m</sup> 10.920 <sup>s</sup> -7°35'32.169''	12.8	241	144.8	-41.1	143.8	14.6	33.9	221	
2012/10/09 23:44:12	1780 Kippes	27.9	16.46	3.63	263	2.3	35°05'34'' 52°17'32''	341	2.4	UCAC2 41352168	12.87	6 <sup>h</sup> 52 <sup>m</sup> 52.932 <sup>s</sup> 27°27'00.901''	44.9	100	95.2	-37.5	26.1	19.8	33.8	203	
2012/10/10 14:58:43	6557 Yokonomura	11.5	16.48	3.01	160	1.4	36°54'45'' 51°25'44''	16	1.7	UCAC2 27770135	13.54	23 <sup>h</sup> 35 <sup>m</sup> 22.846 <sup>s</sup> -11°30'11.843''	1.7	110	151.2	-1.7	142.1	-21.4	27.8	162	
2012/10/10 19:23:42	15556 2000 FW49	5.8	16.70	4.82	211	0.8	37°52'29'' 48°27'40''	147	0.3	TYC 176900560	11.89	2 <sup>h</sup> 18 <sup>m</sup> 12.860 <sup>s</sup> 25°05'51.905''	46.0	106	154.8	-40.6	96.7	-23.9	26.1	102	
2012/10/10 22:30:53	4711 Kathy	10.5	16.46	3.91	11	0.9	36°11'57'' 50°07'47''	326	3.4	UCAC2 36793645	12.58	6 <sup>h</sup> 38 <sup>m</sup> 08.963 <sup>s</sup> 14°23'42.689''	26.6	99	98.4	-44.7	38.8	-1.5	24.8	121	
2012/10/11 02:32:07	4076 Dorffel	12.6	17.49	3.62	12	0.6	36°27'21'' 50°04'22''	77	2.0	UCAC2 39310486	13.91	8 <sup>h</sup> 10 <sup>m</sup> 27.609 <sup>s</sup> 21°19'52.594''	53.9	132	77.9	-13.3	21.3	34.4	23.4	246	
2012/10/11 03:41:06	4732 Froesche	29.8	16.93	3.80	256	2.1	39°15'04'' 51°22'21''	55	2.8	UCAC2 35905540	13.17	6 <sup>h</sup> 45 <sup>m</sup> 52.830 <sup>s</sup> 11°54'59.024''	51.2	196	96.5	-2.2	39.7	42.6	22.9	248	
2012/10/11 03:48:59	3935 Toaten-mongakkai	11.4	15.65	3.84	19	0.7	36°10'28'' 49°53'50''	206	2.8	UCAC2 42569789	11.85	6 <sup>h</sup> 58 <sup>m</sup> 18.532 <sup>s</sup> 30°46'55.620''	69.8	203	95.4	-0.9	40.7	43.4	22.9	159	
2012/10/11 19:27:41	58879 1998 HO126	11.0	17.91	5.62	202	0.7	36°33'38'' 48°14'15''	174	1.3	TYC 585800374	12.29	1 <sup>h</sup> 55 <sup>m</sup> 29.070 <sup>s</sup> -22°17'11.712''	9.6	143	148.2	-41.4	121.4	-31.1	17.3	222	
2012/10/11 20:33:02	23196 2000 RY59	7.2	18.75	7.19	124	0.7	34°35'52'' 49°47'45''	257	1.2	TYC 7900350	11.56	4 <sup>h</sup> 05 <sup>m</sup> 43.243 <sup>s</sup> 5°15'54.312''	25.4	114	136.1	-46.3	88.7	-26.2	16.9	209	
2012/10/11 21:46:23	228148 2009 SH19	12.0	20.13	9.12	201	0.6	38°14'38'' 48°46'02''	136	0.8	TYC 139501843	11.01	8 <sup>h</sup> 40 <sup>m</sup> 47.949 <sup>s</sup> 19°39'31.994''	4.9	65	71.4	-47.2	24.6	-17.9	16.5	566	
2012/10/11 23:19:20	3539 Weimar	11.5	16.94	4.00	134	1.2	34°40'56'' 50°41'20''	302	2.0	UCAC2 31802369	12.97	3 <sup>h</sup> 45 <sup>m</sup> 12.337 <sup>s</sup> 0°11'38.287''	39.7	168	140.6	-40.8	95.9	-5.1	16.0	154	
2012/10/12 01:16:43	20505 1999 RE16	10.5	18.68	4.78	34	0.6	36°29'15'' 49°46'11''	155	1.7	UCAC2 40510299	13.91	7 <sup>h</sup> 53 <sup>m</sup> 55.999 <sup>s</sup> 24°49'59.262''	49.2	112	83.3	-25.3	38.5	12.8	15.3	237	
2012/10/12 01:33:45	371 Bohemia	54.6	14.38	2.65	30	2.4	36°16'17'' 50°18'57''	358	10.7	UCAC2 38610713	11.83	8 <sup>h</sup> 23 <sup>m</sup> 21.986 <sup>s</sup> 19°17'22.148''	43.1	114	75.4	-22.7	30.2	15.4	15.2	201	
2012/10/12 02:10:21	30429 2000 LR11	7.2	17.74	6.83	92	0.8	35°34'00'' 50°43'51''	326	1.5	UCAC2 33338481	10.91	3 <sup>h</sup> 20 <sup>m</sup> 02.644 <sup>s</sup> 4°46'57.765''	33.8	230	147.6	-17.0	103.2	20.8	15.0	162	
2012/10/12 03:11:30	63821 2001 RF65	6.3	18.59	7.22	211	0.5	38°12'31'' 51°29'52''	40	0.7	TYC 132800088	11.37	6 <sup>h</sup> 26 <sup>m</sup> 56.634 <sup>s</sup> 16°42'49.136''	56.2	195	102.5	-7.2	57.4	29.4	14.7	222	
2012/10/13 00:07:33	1751 Herget	14.3	17.03	3.66	12	0.8	36°19'46'' 49°56'21''	166	2.7	UCAC2 37884892	13.41	7 <sup>h</sup> 36 <sup>m</sup> 40.216 <sup>s</sup> 17°09'08.079''	36.0	107	86.8	-35.4	53.0	-9.1	8.5	208	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		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 (%)	$\sigma_{km}$
2012/10/13 02:33:19	1975 Pikelner	13.2	16.46	3.16	37	4.1	35°46'43" 50°07'29"	283	3.7	UCAC2 36946456	13.36	5 <sup>h</sup> 00 <sup>m</sup> 58.765 <sup>s</sup> 14°48'51.936"	50.9	214	124.0	-13.6	91.6	13.0	7.8	137
2012/10/13 17:11:49	15502 1999 NV27	34.7	17.26	4.80	8	3.9	36°19'54" 49°59'04"	155	2.6	UCAC2 32802914	12.47	22 <sup>h</sup> 20 <sup>m</sup> 10.463 <sup>s</sup> 2°32'53.096"	40.3	156	135.9	-23.9	160.2	-32.9	4.6	538
2012/10/13 17:11:49	15502 1999 NV27	34.7	17.26	4.51	8	3.9	36°19'54" 49°59'04"	155	2.6	TYC 56300437	12.77	22 <sup>h</sup> 20 <sup>m</sup> 10.463 <sup>s</sup> 2°32'53.096"	40.3	156	135.9	-23.9	160.2	-32.9	4.6	538
2012/10/13 19:57:49	27723 1990 QA	11.5	16.64	3.56	144	1.0	34°23'52" 50°31'22"	291	1.8	UCAC2 18317110	13.12	22 <sup>h</sup> 04 <sup>m</sup> 10.238 <sup>s</sup> -32°25'52.608"	4.1	203	118.8	-44.8	137.0	-43.4	4.1	183
2012/10/13 23:23:10	4045 Lowen-grub	20.9	16.43	5.22	90	1.2	36°01'19" 49°15'40"	192	3.5	TYC 16100665	11.22	6 <sup>h</sup> 58 <sup>m</sup> 03.995 <sup>s</sup> 7°04'27.491"	27.8	114	95.7	-41.1	74.5	-26.9	3.4	218
2012/10/14 02:42:57	95957 2003 SU101	8.7	18.74	7.48	88	0.6	36°11'23" 49°15'22"	184	1.4	UCAC2 41529251	11.26	7 <sup>h</sup> 17 <sup>m</sup> 42.061 <sup>s</sup> 27°55'26.176"	67.0	159	93.8	-12.2	75.4	2.8	2.8	236
2012/10/14 14:51:07	19557 1999 JC79	10.0	16.91	3.83	20	0.5	36°11'04" 49°53'01"	202	2.7	UCAC2 22583987	13.11	19 <sup>h</sup> 44 <sup>m</sup> 27.509 <sup>s</sup> -23°02'32.362"	16.1	167	92.4	-1.8	104.3	-9.1	1.2	147
2012/10/14 17:08:45	18108 2000 NT5	11.0	16.71	3.33	126	0.5	37°10'32" 49°04'27"	150	2.1	UCAC2 24967417	13.43	19 <sup>h</sup> 20 <sup>m</sup> 46.281 <sup>s</sup> -18°19'38.126"	17.7	207	87.6	-23.8	98.6	-30.1	1.0	146
2012/10/14 18:30:36	456 Abnoba	39.8	14.11	0.89	85	2.7	36°42'18" 50°45'31"	21	8.7	UCAC2 30765128	13.85	20 <sup>h</sup> 04 <sup>m</sup> 52.250 <sup>s</sup> -3°13'53.562"	28.3	222	100.6	-35.7	111.3	-40.5	0.9	158
2012/10/14 21:08:52	667 Denise	81.3	13.97	1.54	102	7.4	37°32'13" 50°29'36"	61	17.9	UCAC2 27028214	12.74	4 <sup>h</sup> 29 <sup>m</sup> 12.061 <sup>s</sup> -13°17'08.786"	13.1	130	128.3	-48.6	119.8	-48.3	0.6	136
2012/10/14 23:12:03	17402 1985 UF	5.0	18.68	6.92	89	0.5	37°20'24" 49°37'55"	122	1.1	TYC 243500664	11.77	6 <sup>h</sup> 36 <sup>m</sup> 33.628 <sup>s</sup> 31°25'25.662"	48.2	97	103.8	-42.5	97.0	-39.2	0.5	149
2012/10/15 00:31:59	8316 Wolkenstein	15.8	15.38	3.84	202	1.5	36°06'53" 48°14'24"	183	1.6	TYC 174001405	11.57	1 <sup>h</sup> 01 <sup>m</sup> 23.275 <sup>s</sup> 22°52'17.933"	41.0	256	164.8	-32.7	166.0	-28.8	0.4	140
2012/10/15 02:19:58	2106 Hugo	12.0	16.89	3.38	101	1.0	35°49'25" 49°11'11"	199	2.5	UCAC2 36619258	13.56	6 <sup>h</sup> 46 <sup>m</sup> 41.244 <sup>s</sup> 13°50'37.386"	53.7	170	100.4	-16.2	94.3	-12.7	0.3	151
2012/10/15 02:41:04	41213 1999 XG2	5.8	17.80	7.76	216	1.0	38°03'21" 51°37'44"	36	0.5	TYC 186700788	10.04	5 <sup>h</sup> 55 <sup>m</sup> 47.836 <sup>s</sup> 24°46'49.118"	63.4	204	112.9	-12.8	107.6	-9.5	0.3	138
2012/10/15 21:02:01	8887 Scheeres	10.0	17.92	4.16	54	0.7	35°41'54" 49°44'18"	231	2.1	UCAC2 35560526	13.79	7 <sup>h</sup> 25 <sup>m</sup> 30.363 <sup>s</sup> 10°57'01.757"	5.3	79	91.3	-48.8	96.0	-52.5	0.3	183
2012/10/15 23:24:00	35527 1998 FG68	6.3	19.57	7.69	199	1.1	37°54'51" 51°30'42"	36	0.7	UCAC2 43584151	11.88	5 <sup>h</sup> 14 <sup>m</sup> 58.170 <sup>s</sup> 33°32'03.455"	64.6	120	121.7	-41.6	128.6	-48.0	0.4	233
2012/10/16 21:57:24	4061 Martelli	19.0	17.21	4.56	10	1.5	36°10'12" 50°05'32"	301	4.4	UCAC2 37832329	12.66	2 <sup>h</sup> 50 <sup>m</sup> 40.724 <sup>s</sup> 17°00'00.219"	56.0	161	158.4	-48.6	178.0	-56.3	2.9	173
2012/10/16 22:44:34	7921 Huebner	5.5	15.27	4.22	5	1.0	36°13'14" 50°03'05"	275	2.7	TYC 2600368	11.07	1 <sup>h</sup> 17 <sup>m</sup> 05.023 <sup>s</sup> 5°41'16.300"	41.5	213	175.5	-45.7	155.7	-57.2	3.1	80
2012/10/16 23:09:51	3201 Sijthoff	22.7	18.17	4.25	222	0.7	37°55'41" 48°22'12"	148	2.2	UCAC2 36823406	13.94	9 <sup>h</sup> 44 <sup>m</sup> 59.527 <sup>s</sup> 14°01'37.594"	6.5	76	60.1	-43.4	80.4	-56.6	3.1	166
2012/10/16 23:38:09	105388 2000 QO138	5.2	19.08	7.57	211	0.6	38°10'33" 51°31'11"	39	0.6	UCAC2 44961797	11.51	4 <sup>h</sup> 10 <sup>m</sup> 16.387 <sup>s</sup> 37°41'43.795"	77.2	159	133.8	-40.3	152.4	-55.1	3.2	243

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 5		LinOccult 2.1.1				
		Asteroid			Nearest point			Star				Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2012/10/17 01:16:11	45106 1999 XX74	6.0	18.72	7.38	237	0.6	36°54'51" 52°08'11"	11	0.5	UCAC2 39469561	11.34	6 <sup>h</sup> 53 <sup>m</sup> 22.884 <sup>s</sup> 21°58'14.954"	57.2	140	101.5	-26.7	123.1	-45.2	3.5	168
2012/10/17 02:46:57	15079 1999 CO16	6.3	17.82	6.87	135	0.6	35°54'54" 48°51'26"	191	1.1	TYC 63800243	10.95	2 <sup>h</sup> 25 <sup>m</sup> 56.218 <sup>s</sup> 14°50'05.865"	25.7	262	165.0	-12.3	172.5	-32.3	3.8	149
2012/10/17 03:06:45	11903 1991 RD7	7.9	17.27	5.44	36	0.8	35°51'57" 50°14'02"	305	2.2	UCAC2 46546808	11.83	6 <sup>h</sup> 01 <sup>m</sup> 13.840 <sup>s</sup> 42°53'34.405"	75.5	248	112.3	-9.2	133.4	-29.3	3.9	138
2012/10/17 17:18:08	1672 Gezelle	17.4	18.14	4.20	128	0.8	37°25'15" 49°10'03"	140	2.1	UCAC2 22977900	13.97	18 <sup>h</sup> 22 <sup>m</sup> 50.966 <sup>s</sup> -22°22'45.766"	6.7	223	70.7	-26.2	39.9	-14.2	7.1	309
2012/10/17 20:45:13	33123 1998 BG31	6.9	16.72	5.23	235	1.2	37°46'05" 48°10'04"	153	0.4	UCAC2 35682196	11.49	23 <sup>h</sup> 28 <sup>m</sup> 29.313 <sup>s</sup> 10°44'49.426"	46.8	213	149.7	-49.1	118.6	-45.6	8.1	126
2012/10/17 20:58:39	4602 Heudier	11.5	16.09	3.19	117	1.7	36°11'38" 49°00'08"	183	2.4	UCAC2 39277253	12.96	5 <sup>h</sup> 47 <sup>m</sup> 38.992 <sup>s</sup> 21°28'50.603"	29.6	91	117.6	-49.5	150.6	-47.4	8.1	119
2012/10/18 14:50:10	9848 Yugra	5.2	17.04	7.81	248	0.6	35°29'19" 52°12'53"	347	0.1	TYC 578500811	9.23	21 <sup>h</sup> 22 <sup>m</sup> 15.437 <sup>s</sup> -13°25'45.122"	19.9	144	113.2	-2.9	70.0	11.5	13.6	107
2012/10/18 15:01:59	105869 2000 SJ173	5.8	18.78	6.68	63	0.5	37°00'41" 49°43'28"	125	0.9	TYC 331501912	12.10	3 <sup>h</sup> 19 <sup>m</sup> 47.595 <sup>s</sup> 48°19'36.937"	20.7	38	135.5	-4.8	148.9	10.3	13.7	249
2012/10/18 22:31:20	4141 Nintan-lena	14.9	17.83	5.03	106	1.2	35°22'08" 50°47'37"	322	2.4	UCAC2 42573619	12.81	7 <sup>h</sup> 25 <sup>m</sup> 49.330 <sup>s</sup> 30°59'36.779"	36.0	83	97.2	-47.4	143.5	-52.4	16.4	216
2012/10/19 00:13:49	12044 Fabbri	10.0	16.26	3.03	22	1.6	35°58'53" 50°02'29"	268	3.2	UCAC2 41154625	13.30	5 <sup>h</sup> 14 <sup>m</sup> 54.007 <sup>s</sup> 26°56'22.918"	65.6	156	125.8	-36.3	172.1	-60.7	17.0	124
2012/10/19 02:43:22	22391 1994 PE26	6.6	16.88	5.40	215	0.7	38°12'18" 51°33'22"	39	0.6	TYC 232701411	11.49	2 <sup>h</sup> 29 <sup>m</sup> 32.961 <sup>s</sup> 32°40'37.092"	38.3	277	154.2	-13.4	144.6	-52.5	18.0	138
2012/10/19 03:33:47	4615 Zimmer	13.2	17.44	5.19	164	0.6	36°34'14" 48°35'16"	173	1.9	UCAC2 43097932	12.26	8 <sup>h</sup> 54 <sup>m</sup> 05.025 <sup>s</sup> 32°20'08.551"	69.0	141	79.5	-5.3	127.5	-46.0	18.3	197
2012/10/19 14:31:07	134851 2000 LG28	6.9	17.44	5.55	241	1.1	33°02'51" 50°41'01"	287	0.6	UCAC2 48036789	11.90	3 <sup>h</sup> 19 <sup>m</sup> 46.220 <sup>s</sup> 49°37'31.401"	19.3	33	135.2	-0.2	141.4	17.1	22.6	168
2012/10/19 17:06:21	1586 Thiele	16.0	17.27	3.68	63	0.7	36°54'23" 49°39'02"	135	3.1	UCAC2 22795426	13.63	19 <sup>h</sup> 12 <sup>m</sup> 00.557 <sup>s</sup> -22°34'58.203"	11.7	211	80.0	-25.0	22.1	3.2	23.7	197
2012/10/19 19:26:29	91538 1999 RA204	6.3	17.09	5.31	198	0.5	36°19'41" 51°49'29"	1	0.7	TYC 225200626	11.79	23 <sup>h</sup> 49 <sup>m</sup> 59.980 <sup>s</sup> 24°38'45.136"	64.9	178	150.4	-44.1	100.0	-16.2	24.7	163
2012/10/19 20:04:13	63475 2001 OB32	5.5	17.77	9.45	114	0.6	37°02'06" 49°08'37"	152	1.1	HIP 1320	8.32	0 <sup>h</sup> 16 <sup>m</sup> 34.793 <sup>s</sup> 15°50'14.032"	56.0	183	159.2	-47.5	102.7	-21.9	25.0	146
2012/10/19 23:58:19	8271 1989 NY	6.3	16.99	6.28	92	1.6	37°31'28" 49°50'02"	105	1.6	TYC 11000023	10.71	5 <sup>h</sup> 00 <sup>m</sup> 59.822 <sup>s</sup> 6°15'33.997"	45.5	165	130.1	-38.6	160.5	-55.1	26.7	105
2012/10/20 18:38:32	2467 Kollon-tai	11.0	15.62	4.01	187	1.0	34°45'59" 51°25'33"	325	0.6	TYC 577600897	11.63	21 <sup>h</sup> 13 <sup>m</sup> 13.326 <sup>s</sup> -10°36'11.470"	25.0	210	109.8	-38.7	37.6	0.1	34.9	93
2012/10/20 22:09:35	22084 2000 AX168	5.2	18.86	10.99	120	0.7	37°22'02" 49°13'55"	140	1.1	TYC 68201065	7.87	4 <sup>h</sup> 40 <sup>m</sup> 22.720 <sup>s</sup> 7°47'49.539"	40.4	137	136.2	-49.4	146.5	-31.1	36.5	115
2012/10/20 22:56:08	10358 Kirch-hoff	6.0	18.58	6.62	94	6.3	35°06'25" 49°40'33"	244	1.3	UCAC2 38936483	11.96	5 <sup>h</sup> 54 <sup>m</sup> 42.635 <sup>s</sup> 20°08'38.435"	47.5	120	119.0	-46.0	165.7	-38.1	37.4	154

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 (%)	$\sigma_{km}$
2012/10/20 23:44:24	1415 Malau-tra	14.5	16.68	3.70	256	1.0	37°21'08" 47°51'22"	163	0.7	UCAC2 40679561	13.01	7 <sup>h</sup> 36 <sup>m</sup> 20.333 <sup>s</sup> 25°11'32.733"	43.3	102	96.1	-40.7	168.5	-44.9	37.3	137
2012/10/21 03:41:54	6408 Saijo	11.5	17.60	6.41	214	1.7	35°08'26" 48°16'47"	203	1.3	UCAC2 39295582	11.20	6 <sup>h</sup> 47 <sup>m</sup> 27.074 <sup>s</sup> 21°27'04.508"	57.6	216	106.9	-4.5	175.2	-56.3	39.1	236
2012/10/21 14:52:18	19 Fortuna	124.2	11.83	2.08	269	6.2	37°16'26" 47°43'21"	165	6.4	TYC 630701385	9.92	19 <sup>h</sup> 41 <sup>m</sup> 08.915 <sup>s</sup> -19°47'13.549"	20.1	175	85.3	-4.1	3.4	22.7	44.3	143
2012/10/21 21:53:30	22012 1999 XO82	15.1	19.10	5.88	252	0.9	34°43'02" 52°05'07"	334	1.2	UCAC2 39141911	13.23	8 <sup>h</sup> 32 <sup>m</sup> 18.973 <sup>s</sup> 20°43'13.840"	14.1	74	83.5	-50.5	168.6	-18.0	47.5	406
2012/10/21 22:22:50	925 Alphon-sina	54.3	13.11	0.85	193	6.8	34°29'05" 51°21'27"	319	6.2	UCAC2 45495413	12.92	7 <sup>h</sup> 03 <sup>m</sup> 31.293 <sup>s</sup> 39°22'05.183"	45.3	79	105.3	-49.0	155.0	-22.6	47.8	146
2012/10/22 01:24:44	1116 Catriona	39.1	13.93	1.32	87	3.1	37°10'44" 49°30'48"	133	9.9	UCAC2 46816478	12.99	6 <sup>h</sup> 54 <sup>m</sup> 50.721 <sup>s</sup> 43°59'12.690"	78.1	114	107.1	-26.7	149.2	-48.2	49.1	121
2012/10/22 22:03:28	14229 1999 XV94	5.8	16.31	4.42	234	0.7	35°39'46" 52°06'31"	349	0.1	UCAC2 38735345	11.91	2 <sup>h</sup> 39 <sup>m</sup> 51.557 <sup>s</sup> 19°54'11.882"	60.1	178	165.4	-50.4	93.9	-8.9	58.5	92
2012/10/22 22:11:19	1417 Walin-ska	20.9	16.98	4.53	17	1.0	36°26'16" 49°55'36"	141	3.7	UCAC2 38792908	12.46	9 <sup>h</sup> 03 <sup>m</sup> 53.188 <sup>s</sup> 19°30'21.016"	11.6	73	77.1	-50.0	171.7	-10.1	58.6	222
2012/10/22 23:09:40	76820 2000 RW105	12.6	18.76	5.34	178	0.9	34°49'09" 51°20'49"	324	1.0	UCAC2 28126504	13.43	0 <sup>h</sup> 54 <sup>m</sup> 12.797 <sup>s</sup> -10°10'33.075"	19.7	224	154.2	-45.2	61.0	-19.0	59.1	457
2012/10/23 03:00:28	32903 1994 PN17	5.0	19.54	8.19	180	1.1	35°43'02" 51°37'20"	347	0.7	UCAC2 41692409	11.35	6 <sup>h</sup> 35 <sup>m</sup> 42.680 <sup>s</sup> 28°24'06.696"	66.0	212	112.0	-11.6	144.2	-49.0	60.7	201
2012/10/23 03:10:33	31805 1999 NN5	12.0	17.44	3.57	221	2.3	35°31'13" 51°58'23"	346	1.3	UCAC2 42545615	13.92	5 <sup>h</sup> 12 <sup>m</sup> 55.936 <sup>s</sup> 30°38'31.264"	56.0	250	129.7	-10.0	126.0	-49.7	60.9	187
2012/10/23 15:00:29	109229 2001 QC93	6.0	18.14	6.39	113	0.8	35°45'24" 49°05'35"	200	1.0	HIP 115302	11.76	23 <sup>h</sup> 21 <sup>m</sup> 11.118 <sup>s</sup> -1°35'49.407"	19.6	118	140.0	-6.0	31.7	25.8	65.8	203
2012/10/23 17:38:13	6079 Gero-ku-rat	12.6	17.22	4.61	36	0.9	36°40'17" 49°50'41"	129	2.6	UCAC2 40124599	12.63	0 <sup>h</sup> 45 <sup>m</sup> 01.776 <sup>s</sup> 23°44'46.663"	50.7	118	159.7	-31.1	59.4	29.4	67.0	190
2012/10/23 21:20:21	35480 1998 FN5	5.2	19.34	7.77	162	0.5	36°41'22" 48°37'12"	170	0.8	TYC 518700650	11.57	20 <sup>h</sup> 52 <sup>m</sup> 50.241 <sup>s</sup> -4°17'20.252"	5.7	256	103.4	-51.9	10.8	7.9	68.5	203
2012/10/23 21:26:41	77817 2001 QR164	5.2	18.63	7.00	35	0.6	35°59'27" 50°17'36"	322	0.8	TYC 579600607	11.64	21 <sup>h</sup> 44 <sup>m</sup> 46.979 <sup>s</sup> -12°27'32.821"	6.1	242	113.5	-51.8	4.6	7.0	68.4	247
2012/10/23 22:19:14	2265 Ver-baandert	10.0	16.18	2.64	155	1.5	38°26'32" 50°12'55"	83	1.4	UCAC2 28485974	13.64	4 <sup>h</sup> 45 <sup>m</sup> 07.555 <sup>s</sup> -9°04'24.446"	26.4	149	132.8	-49.9	105.8	-0.7	69.0	116
2012/10/24 17:21:33	29763 1999 CH20	5.0	16.75	5.02	78	0.9	35°46'01" 50°39'42"	331	1.5	UCAC2 42713030	11.74	4 <sup>h</sup> 29 <sup>m</sup> 50.155 <sup>s</sup> 31°18'23.122"	19.2	64	139.9	-28.8	96.5	34.6	76.2	103
2012/10/24 19:16:37	42479 Tolik	6.9	17.54	6.03	176	1.4	35°29'32" 51°32'57"	341	0.9	UCAC2 39266020	11.51	4 <sup>h</sup> 51 <sup>m</sup> 50.166 <sup>s</sup> 21°05'48.003"	26.3	88	137.4	-44.7	100.1	31.0	76.9	138
2012/10/24 19:20:28	67 Asia	58.1	12.20	1.95	121	3.0	37°11'17" 49°07'37"	148	11.5	TYC 576600575	10.45	20 <sup>h</sup> 27 <sup>m</sup> 11.966 <sup>s</sup> -13°40'17.003"	11.2	232	94.1	-45.1	28.4	30.7	77.0	112
2012/10/24 19:20:59	5855 Yukit-suna	13.2	15.65	2.17	20	1.4	36°24'30" 49°53'18"	154	4.0	UCAC2 24253842	13.64	22 <sup>h</sup> 31 <sup>m</sup> 11.965 <sup>s</sup> -19°51'35.351"	17.5	202	120.0	-45.2	15.2	30.7	76.9	131

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 (%)	$\sigma_{km}$	
2012/10/24 23:34:07	4768 Hartley	36.7	17.01	3.96	228	4.0	34°08'44" 51°35'29"	318	3.9	UCAC2 44656540	13.07	7 <sup>h</sup> 57 <sup>m</sup> 17.312 <sup>s</sup> 36°55'41.828"	48.6	86	97.5	-43.1	132.8	-1.4	78.6	211	
2012/10/24 23:49:24	38611 2000 AS74	12.0	19.61	7.91	129	0.5	36°50'23" 48°56'39"	162	1.0	TYC 140501087	11.70	9 <sup>h</sup> 24 <sup>m</sup> 47.998 <sup>s</sup> 17°53'05.449"	24.0	90	73.9	-41.2	159.6	-3.8	78.6	468	
2012/10/25 00:07:45	644 Cosima	19.9	14.88	1.85	191	111.2	33°48'47" 49°26'05"	249	1.7	UCAC2 39628115	13.25	5 <sup>h</sup> 37 <sup>m</sup> 01.682 <sup>s</sup> 22°13'57.954"	60.8	156	127.2	-38.8	106.4	-6.6	79.6	112	
2012/10/25 16:58:13	1557 Roehla	17.4	16.99	4.85	91	0.6	35°23'33" 49°28'10"	225	2.8	UCAC2 19277034	12.15	19 <sup>h</sup> 03 <sup>m</sup> 15.691 <sup>s</sup> -30°22'56.694"	2.4	213	71.4	-25.4	63.3	36.4	84.3	233	
2012/10/25 21:34:33	116930 2004 GE29	12.0	20.05	6.14	199	0.8	36°42'57" 48°16'60"	171	0.8	UCAC2 32357452	13.91	7 <sup>h</sup> 56 <sup>m</sup> 49.318 <sup>s</sup> 1°48'06.055"	4.9	93	91.7	-52.4	131.8	25.8	85.7	595	
2012/10/25 23:13:20	32942 1995 UD7	6.3	18.44	6.94	22	0.7	36°29'20" 50°11'55"	41	1.3	TYC 73100802	11.50	6 <sup>h</sup> 21 <sup>m</sup> 09.727 <sup>s</sup> 8°41'51.195"	39.2	132	116.4	-45.8	106.8	12.1	86.2	185	
2012/10/26 16:39:55	19150 1990 HY	8.3	17.33	5.00	72	1.0	37°08'08" 50°23'51"	57	1.9	TYC 641400029	12.34	0 <sup>h</sup> 25 <sup>m</sup> 21.874 <sup>s</sup> -22°47'27.925"	7.2	139	136.9	-22.8	27.9	34.9	90.8	159	
2012/10/26 18:31:23	11323 Nasu	7.6	16.63	4.80	179	0.8	35°07'17" 51°28'44"	332	1.0	UCAC2 40123884	11.85	0 <sup>h</sup> 31 <sup>m</sup> 15.776 <sup>s</sup> 23°30'44.664"	60.1	145	155.2	-39.6	22.2	43.4	91.2	155	
2012/10/26 19:58:57	51872 2001 PN9	7.2	18.64	7.08	176	1.4	34°27'52" 48°59'57"	228	0.9	UCAC2 31787809	11.56	21 <sup>h</sup> 46 <sup>m</sup> 30.690 <sup>s</sup> 0° - 26'13.663"	26.8	232	114.5	-49.5	32.0	42.8	91.6	248	
2012/10/26 23:56:08	6720 Gifu	13.2	16.27	2.48	252	2.0	39°17'36" 51°16'34"	58	0.8	UCAC2 41499271	13.91	5 <sup>h</sup> 12 <sup>m</sup> 07.174 <sup>s</sup> 27°58'48.303"	67.6	164	134.2	-40.9	77.1	15.9	92.4	143	
2012/10/27 01:01:46	14102 1997 SG25	5.0	17.64	5.39	196	0.5	35°57'39" 51°47'39"	353	0.4	TYC 1200612	12.26	0 <sup>h</sup> 57 <sup>m</sup> 50.895 <sup>s</sup> 2°18'21.527"	12.6	258	160.1	-31.4	13.8	5.9	92.7	121	
2012/10/27 02:25:25	477 Italia	22.5	15.84	3.59	143	0.5	36°56'04" 48°50'00"	161	3.0	UCAC2 30375146	12.29	12 <sup>h</sup> 44 <sup>m</sup> 35.597 <sup>s</sup> -4°18'00.169"	1.4	98	22.0	-18.2	170.3	-6.8	93.0	256	
2012/10/27 02:25:25	477 Italia	22.5	15.84	4.01	143	0.5	36°56'04" 48°50'00"	161	3.0	TYC 495200900	11.86	12 <sup>h</sup> 44 <sup>m</sup> 35.597 <sup>s</sup> -4°18'00.169"	1.4	98	22.0	-18.2	170.3	-6.8	93.0	256	
2012/10/27 14:50:59	766 Moguntia	31.3	15.88	2.58	182	2.1	33°44'22" 50°10'56"	275	4.1	UCAC2 21665973	13.40	20 <sup>h</sup> 49 <sup>m</sup> 57.466 <sup>s</sup> -25°12'19.929"	13.3	164	93.6	-5.6	62.6	17.1	95.4	204	
2012/10/27 16:47:47	4166 Pontryagin	10.0	16.18	4.37	225	1.1	34°12'40" 51°35'08"	319	0.5	UCAC2 40133479	11.83	3 <sup>h</sup> 23 <sup>m</sup> 34.539 <sup>s</sup> 23°42'29.853"	20.3	77	159.3	-24.3	43.7	34.3	95.7	117	
2012/10/27 17:06:47	29414 1996 XF1	6.0	18.47	7.13	229	0.9	33°11'23" 50°36'54"	286	0.6	UCAC2 24744366	11.34	22 <sup>h</sup> 12 <sup>m</sup> 34.254 <sup>s</sup> -18°57'16.751"	21.1	176	113.6	-27.3	44.0	36.8	95.7	186	
2012/10/27 18:20:21	711 Marmulla	15.1	15.54	4.33	144	0.6	37°33'07" 49°02'39"	141	2.5	UCAC2 22352886	11.23	19 <sup>h</sup> 58 <sup>m</sup> 29.292 <sup>s</sup> -23°50'27.687"	4.7	223	82.4	-38.4	74.9	44.5	96.0	129	
2012/10/27 22:01:14	69897 1998 SN131	5.8	17.59	6.64	131	0.6	36°24'21" 48°52'09"	176	1.1	TYC 180901226	10.95	3 <sup>h</sup> 21 <sup>m</sup> 18.508 <sup>s</sup> 28°47'21.814"	68.3	163	157.1	-52.2	42.1	40.8	96.5	134	
2012/10/28 01:19:45	21912 1999 VL24	8.7	15.85	3.92	223	1.0	34°26'36" 48°26'43"	216	0.4	UCAC2 44257577	11.96	2 <sup>h</sup> 47 <sup>m</sup> 24.086 <sup>s</sup> 35°40'39.955"	50.8	269	155.9	-28.9	37.6	13.2	97.0	108	
2012/10/28 01:36:11	3329 Golay	16.6	16.63	4.37	233	1.3	34°56'33" 51°57'56"	336	1.5	TYC 247200181	12.28	8 <sup>h</sup> 02 <sup>m</sup> 07.163 <sup>s</sup> 32°29'10.469"	65.5	127	98.7	-26.3	99.7	10.6	97.1	172	



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 (%)	$\sigma_{km}$
2012/10/28 03:55:30	54428 LN27	2000	12.0	16.89	6.35	135	34°58'00" 49°11'28"	225	2.0	TYC	10.54	2 <sup>h</sup> 14 <sup>m</sup> 10.148 <sup>s</sup> 38°11'10.920"	23.5	302	154.9	-4.1	33.7	-10.0	97.4	185
2012/10/28 16:11:38	676 Melitta	80.0	15.10	1.98	151	2.2	36°06'09" 51°24'09"	355	11.3	UCAC2	13.31	17 <sup>h</sup> 45 <sup>m</sup> 12.017 <sup>s</sup> -15°17'40.208"	11.2	229	51.4	-18.8	115.6	25.9	98.7	223
2012/10/28 19:27:43	140066 SR108	2001	5.2	17.12	8.06	181	35°02'56" 51°28'29"	331	0.7	TYC	9.06	2 <sup>h</sup> 22 <sup>m</sup> 56.585 <sup>s</sup> 25°11'45.081"	56.2	126	167.9	-47.1	18.9	50.0	99.0	175
2012/10/28 19:51:25	24109 VO20	1999	6.9	17.90	5.67	219	38°09'03" 48°30'13"	142	0.6	TYC	12.24	8 <sup>h</sup> 03 <sup>m</sup> 27.597 <sup>s</sup> 23°00'40.603"	6.0	61	97.4	-49.5	93.4	51.3	99.0	153
2012/10/29 01:13:15	12234 Shkura-tov	7.9	18.36	6.74	136	0.5	36°38'18" 51°14'56"	11	1.3	TYC	11.62	8 <sup>h</sup> 38 <sup>m</sup> 31.728 <sup>s</sup> 10°20'52.261"	40.0	129	86.6	-30.2	102.2	23.9	99.4	180
2012/10/29 18:59:04	15626 HR50	2000	11.0	18.23	4.59	188	36°12'08" 48°21'47"	182	1.4	UCAC2	13.66	6 <sup>h</sup> 19 <sup>m</sup> 38.692 <sup>s</sup> 21°31'10.422"	13.0	72	122.1	-44.1	57.6	45.9	100.0	224
2012/10/29 19:06:01	50843 FS44	2000	5.8	18.67	7.28	235	36°04'53" 52°09'08"	356	0.5	TYC	11.39	6 <sup>h</sup> 05 <sup>m</sup> 42.198 <sup>s</sup> 36°18'38.197"	26.9	65	124.4	-45.0	55.6	46.8	100.0	165
2012/10/29 21:08:07	2192 Pyatig-oriya	30.6	16.83	3.38	32	2.3	36°01'51" 50°17'17"	326	5.2	UCAC2	13.50	21 <sup>h</sup> 09 <sup>m</sup> 17.894 <sup>s</sup> -8°09'48.426"	3.5	253	100.5	-53.8	79.8	55.6	100.0	233
2012/10/29 22:24:10	550 Senta	37.8	12.43	1.92	90	3.8	35°50'20" 50°48'06"	339	10.0	TYC	10.71	1 <sup>h</sup> 34 <sup>m</sup> 08.996 <sup>s</sup> 25°33'21.996"	57.8	231	164.4	-51.4	14.6	53.4	100.0	102
2012/10/30 02:32:05	58626 VF5	1997	5.0	17.58	7.28	8	36°21'25" 49°59'41"	139	1.8	TYC	10.31	6 <sup>h</sup> 31 <sup>m</sup> 05.452 <sup>s</sup> 35°39'49.387"	72.0	224	119.6	-17.9	57.1	21.2	99.9	109
2012/10/30 15:10:52	1461 Jean-Jacques	33.3	16.12	2.79	48	1.3	36°26'33" 49°37'43"	167	5.5	UCAC2	13.42	19 <sup>h</sup> 16 <sup>m</sup> 32.842 <sup>s</sup> -27°07'21.154"	11.9	193	69.7	-9.5	119.2	7.0	99.4	236
2012/10/30 15:30:45	17609 UR	1995	5.8	18.29	6.59	240	36°27'29" 47°53'45"	177	0.5	UCAC2	11.70	20 <sup>h</sup> 50 <sup>m</sup> 47.643 <sup>s</sup> 5°18'18.404"	45.3	174	98.6	-12.7	89.3	10.0	99.4	160
2012/10/30 17:10:32	36772 RF99	2000	11.0	17.67	4.13	27	36°00'54" 50°12'38"	313	2.2	UCAC2	13.56	2 <sup>h</sup> 50 <sup>m</sup> 58.671 <sup>s</sup> 28°04'48.195"	34.1	86	164.2	-28.7	10.6	25.5	99.3	195
2012/10/30 21:00:10	54624 SH45	2000	8.3	17.84	7.49	119	37°29'21" 49°18'39"	134	1.3	TYC	10.35	23 <sup>h</sup> 30 <sup>m</sup> 25.534 <sup>s</sup> 18°33'49.124"	46.4	238	138.9	-54.0	51.0	55.9	99.0	228
2012/10/30 21:03:43	38833 SC	2000	5.8	17.78	6.30	167	36°23'39" 48°32'43"	177	0.8	TYC	11.49	21 <sup>h</sup> 12 <sup>m</sup> 40.191 <sup>s</sup> 4°21'00.556"	13.9	260	103.5	-54.1	87.0	56.1	99.0	154
2012/10/30 23:33:28	3175 Netto	17.6	18.39	7.26	121	0.9	36°02'18" 51°07'07"	352	3.5	TYC	11.13	9 <sup>h</sup> 04 <sup>m</sup> 53.432 <sup>s</sup> 15°59'45.909"	27.0	97	83.8	-44.8	83.5	54.1	98.8	134
2012/10/31 00:15:09	18041 RX13	1999	10.5	17.62	7.65	138	36°12'26" 48°48'38"	182	1.8	TYC	9.97	5 <sup>h</sup> 11 <sup>m</sup> 59.147 <sup>s</sup> 22°12'22.213"	62.4	184	138.9	-39.3	28.2	49.7	98.7	171
2012/10/31 02:20:52	4740 Veni-amina	7.2	16.66	4.89	102	1.7	37°41'26" 49°52'56"	100	1.7	TYC	11.79	5 <sup>h</sup> 45 <sup>m</sup> 31.076 <sup>s</sup> 11°55'31.138"	46.9	217	130.5	-19.9	36.3	32.0	98.5	109
2012/10/31 02:51:43	6895 DG6	1987	16.1	19.06	5.59	124	36°52'50" 51°05'30"	20	2.6	UCAC2	13.48	9 <sup>h</sup> 30 <sup>m</sup> 20.098 <sup>s</sup> 14°39'11.559"	50.0	143	77.7	-14.9	88.2	27.2	98.5	209
2012/10/31 17:08:23	2402 Satpaev	10.0	16.54	2.68	201	0.7	34°11'46" 51°16'35"	312	0.9	UCAC2	13.96	21 <sup>h</sup> 09 <sup>m</sup> 20.792 <sup>s</sup> -15°39'59.858"	22.8	197	96.6	-28.6	104.0	19.3	96.8	126

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	Phase (%)	$\sigma_{km}$	
2012/10/31 22:40:39	6572 Carson	10.5	18.27	5.60	121	0.6	36°08'38" 51°07'39"	355	1.5	UCAC2 37001094	12.68	9 <sup>h</sup> 15 <sup>m</sup> 41.944 <sup>s</sup> 14°48'55.260"	16.5	86	82.0	-50.7	60.0	96.0	253