

## 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: 212

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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2012/01/01 02:11:01	1749 Telamon	81.1	15.81	2.25	58	5.4	35°56'41" 49°34'47"	205	11.5 11.7	UCAC2 42556070	13.70	5 <sup>h</sup> 53 <sup>m</sup> 44.738 <sup>s</sup> 30°40'58.177"	28.7	285	166.6	-31.2	80.1	-30.8	48.6	275
2012/01/01 02:26:55	41267 1999 XK60	5.8	18.10	7.02	153	0.6	37°13'37" 51°17'27"	26	0.9 1.3	UCAC2 37533697	11.08	8 <sup>h</sup> 11 <sup>m</sup> 39.340 <sup>s</sup> 16°13'57.284"	37.6	248	158.1	-28.6	113.5	-31.5	48.7	178
2012/01/01 17:46:49	162805 2001 AR	13.8	18.37	5.37	94	0.8	35°54'42" 49°14'29"	197	0.9 0.9	UCAC2 34256710	13.01	6 <sup>h</sup> 56 <sup>m</sup> 06.490 <sup>s</sup> 7°23'02.101"	24.6	109	164.2	-38.0	89.9	42.9	54.6	608
2012/01/01 18:07:03	76261 2000 EU103	5.8	15.99	4.18	86	0.6	36°47'60" 50°44'40"	25	1.5 2.0	UCAC2 34424542	11.83	6 <sup>h</sup> 22 <sup>m</sup> 36.487 <sup>s</sup> 7°53'12.469"	32.8	121	163.9	-41.2	81.5	40.6	54.8	115
2012/01/01 21:39:45	46045 2001 DU68	5.5	18.19	6.48	15	0.5	36°15'27" 49°54'54"	188	1.1 1.1	TYC 78300165	11.72	7 <sup>h</sup> 47 <sup>m</sup> 32.132 <sup>s</sup> 11°06'05.907"	49.4	158	161.2	-63.1	99.7	9.9	56.2	204
2012/01/01 22:20:42	4426 Roerich	11.5	16.29	3.10	204	0.9	35°54'31" 48°13'38"	188	1.1 3.2	UCAC2 38957813	13.25	7 <sup>h</sup> 01 <sup>m</sup> 25.866 <sup>s</sup> 20°24'45.983"	60.1	193	175.8	-61.9	86.5	3.7	56.5	142
2012/01/02 02:08:33	2869 Nepryadva	14.5	16.34	3.33	21	1.0	36°10'25" 49°52'18"	202	3.6 3.6	UCAC2 45974911	13.07	7 <sup>h</sup> 03 <sup>m</sup> 46.596 <sup>s</sup> 40°57'30.804"	45.9	284	161.6	-31.6	81.7	-24.0	58.0	161
2012/01/02 17:06:40	39455 4091 T-3	5.5	19.89	10.20	228	0.7	38°35'37" 48°39'25"	133	0.6 0.9	TYC 3400488	9.69	1 <sup>h</sup> 37 <sup>m</sup> 37.776 <sup>s</sup> 7°08'46.460"	46.4	195	103.7	-31.5	6.9	53.1	63.6	246
2012/01/02 19:14:05	17861 1998 KN24	13.2	17.75	6.87	204	0.6	35°01'43" 51°42'00"	334	1.5 2.3	TYC 467100273	10.88	0 <sup>h</sup> 21 <sup>m</sup> 05.148 <sup>s</sup> -5°00'58.413"	13.9	244	81.3	-51.1	27.5	41.0	64.4	231
2012/01/02 20:19:41	3788 Steyaert	13.8	16.25	2.99	218	1.2	35°55'24" 48°06'21"	187	1.3 3.7	UCAC2 37174992	13.33	8 <sup>h</sup> 06 <sup>m</sup> 38.842 <sup>s</sup> 15°01'27.016"	43.3	124	160.4	-59.0	92.1	31.7	64.8	149
2012/01/02 21:26:58	7098 Reaumur	6.6	16.93	5.11	175	0.5	35°47'47" 48°30'35"	192	0.8 2.1	UCAC2 39119221	11.83	6 <sup>h</sup> 29 <sup>m</sup> 17.558 <sup>s</sup> 20°35'28.269"	60.7	185	174.5	-63.0	67.7	21.5	65.3	127
2012/01/03 00:53:41	43033 1999 VT29	7.2	18.53	6.19	209	0.6	36°37'60" 51°54'30"	7	0.8 1.2	TYC 71000137	12.35	5 <sup>h</sup> 07 <sup>m</sup> 34.342 <sup>s</sup> 13°51'26.897"	20.3	268	153.8	-43.5	47.5	-8.5	66.6	231
2012/01/03 04:30:32	8345 Ulmerspatz	10.5	13.86	0.85	201	0.9	36°56'00" 51°48'36"	13	0.5 4.2	UCAC2 39459846	13.68	6 <sup>h</sup> 22 <sup>m</sup> 09.780 <sup>s</sup> 21°58'58.326"	4.4	299	173.0	-9.4	62.3	-24.4	68.0	99
2012/01/03 15:24:47	1307 Cimneria	11.7	16.25	2.91	8	0.8	36°10'31" 50°04'06"	286	3.9 3.9	UCAC2 34391711	13.41	1 <sup>h</sup> 06 <sup>m</sup> 59.904 <sup>s</sup> 7°46'10.016"	47.6	170	95.9	-15.2	20.0	51.7	71.8	121
2012/01/03 18:12:48	20738 1999 XG191	15.8	18.60	6.24	84	0.9	35°43'08" 50°42'52"	331	1.6 1.7	UCAC2 44817309	12.36	6 <sup>h</sup> 23 <sup>m</sup> 30.332 <sup>s</sup> 37°07'09.781"	56.5	96	164.1	-41.8	55.5	55.2	72.8	375
2012/01/03 19:31:32	13601 1994 PU29	5.0	17.17	4.76	134	0.6	35°30'06" 48°57'41"	205	0.9 1.2	TYC 12200169	12.43	5 <sup>h</sup> 33 <sup>m</sup> 59.057 <sup>s</sup> 4°43'32.566"	43.9	164	153.3	-53.3	47.3	47.3	73.3	168
2012/01/03 20:01:59	8838 1989 UW2	17.4	17.13	3.47	42	1.4	36°24'07" 50°25'08"	11	3.3 3.4	UCAC2 33506508	13.70	1 <sup>h</sup> 14 <sup>m</sup> 13.833 <sup>s</sup> 5°11'53.013"	22.3	250	96.4	-57.0	22.1	43.3	73.4	207
2012/01/03 21:12:40	10902 1997 WB22	7.9	16.27	4.79	89	0.7	36°39'31" 50°48'53"	17	2.1 3.0	TYC 191201568	11.49	7 <sup>h</sup> 48 <sup>m</sup> 01.055 <sup>s</sup> 24°20'35.222"	60.3	142	167.8	-62.5	73.2	33.0	73.8	107
2012/01/03 21:34:44	40732 1999 SC13	6.9	17.92	6.57	111	0.6	36°45'52" 50°59'50"	18	1.3 1.6	TYC 248902106	11.36	8 <sup>h</sup> 26 <sup>m</sup> 15.492 <sup>s</sup> 35°28'33.768"	67.7	121	156.5	-63.0	78.6	29.7	74.0	170
2012/01/03 23:52:16	19282 1996 AM15	6.0	16.99	6.01	249	0.6	35°10'23" 47°55'46"	199	0.4 1.7	TYC 134300253	10.99	6 <sup>h</sup> 55 <sup>m</sup> 34.576 <sup>s</sup> 22°27'00.389"	52.1	236	179.7	-52.4	60.4	8.7	74.8	143

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 (%)	$\sigma_{km}$
2012/01/04 00:40:05	23769 Russell-babb	5.0	16.52	5.12	45	0.5	36°42'28" 50°21'11"	42	1.7	TYC 190901933	11.41	7 <sup>h</sup> 20 <sup>m</sup> 08.797 <sup>s</sup> 22°35'54.915"	49.0	243	174.4	-45.6	65.6	1.8	75.1	108
2012/01/04 01:09:41	24212 1999 XW59	13.8	18.60	6.26	49	0.9	36°45'44" 50°21'58"	44	1.4	UCAC2 40988652	12.34	5 <sup>h</sup> 52 <sup>m</sup> 34.129 <sup>s</sup> 26°19'58.227"	33.4	272	165.1	-41.0	45.1	-2.1	75.2	403
2012/01/04 01:54:57	8560 Tsubaki	11.5	17.08	3.55	86	1.1	35°31'19" 49°27'05"	219	2.1	UCAC2 46105670	13.57	4 <sup>h</sup> 49 <sup>m</sup> 06.460 <sup>s</sup> 41°27'34.221"	27.3	303	147.5	-33.8	35.8	-7.7	75.5	202
2012/01/04 03:16:32	5598 Carl-murray	9.1	14.81	3.42	89	1.4	35°42'54" 49°20'26"	207	2.5	TYC 186500968	11.44	5 <sup>h</sup> 39 <sup>m</sup> 05.897 <sup>s</sup> 24°59'01.585"	10.6	296	162.2	-20.7	41.0	-15.9	76.0	88
2012/01/04 05:31:55	1499 Pori	36.2	15.81	2.80	223	0.7	37°45'41" 51°49'29"	28	3.9	UCAC2 24934752	13.10	18 <sup>h</sup> 34 <sup>m</sup> 20.478 <sup>s</sup> -18°07'23.932"	5.9	128	7.0	-0.8	126.6	-21.3	76.7	233
2012/01/04 14:44:56	18989 2000 RV26	10.0	16.20	2.96	229	1.0	35°37'26" 52°03'31"	348	0.9	UCAC2 35351807	13.31	6 <sup>h</sup> 09 <sup>m</sup> 51.027 <sup>s</sup> 10°11'31.295"	7.0	82	162.9	-9.0	45.0	43.0	79.7	158
2012/01/04 16:06:05	3074 Popov	6.6	16.07	4.32	73	0.8	36°52'22" 49°30'55"	145	2.1	UCAC2 41505841	11.77	5 <sup>h</sup> 47 <sup>m</sup> 49.629 <sup>s</sup> 27°37'22.179"	36.3	89	163.2	-21.5	36.9	53.6	80.1	96
2012/01/04 18:50:11	55574 2002 CF245	14.5	18.96	5.25	199	0.8	35°29'05" 51°45'31"	343	1.2	UCAC2 39656001	13.71	7 <sup>h</sup> 11 <sup>m</sup> 43.425 <sup>s</sup> 22°26'46.082"	45.4	111	177.1	-47.4	54.7	58.3	81.0	423
2012/01/05 01:15:43	37567 1989 SC3	5.8	16.55	5.16	226	0.6	38°51'31" 51°15'43"	54	0.2	TYC 296700564	11.40	7 <sup>h</sup> 41 <sup>m</sup> 17.576 <sup>s</sup> 42°27'12.617"	59.2	273	158.4	-40.0	56.5	5.4	83.0	101
2012/01/05 02:47:48	441 Bathilde	70.3	12.13	1.11	169	7.0	37°14'53" 51°26'28"	24	8.2	TYC 130701239	11.50	5 <sup>h</sup> 47 <sup>m</sup> 23.117 <sup>s</sup> 19°00'11.330"	11.0	286	162.5	-25.3	31.6	-6.3	83.5	113
2012/01/05 15:38:37	895 Helio	141.9	13.93	1.02	98	5.7	36°50'42" 50°51'25"	24	25.3	UCAC2 39953555	13.44	23 <sup>h</sup> 39 <sup>m</sup> 07.671 <sup>s</sup> 22°43'39.487"	58.4	218	81.0	-17.0	59.8	45.2	87.1	193
2012/01/05 18:37:52	2751 Campbell	20.0	14.91	2.22	218	3.2	37°03'38" 48°09'30"	165	0.7	UCAC2 39452565	12.85	5 <sup>h</sup> 55 <sup>m</sup> 17.022 <sup>s</sup> 21°59'07.551"	54.4	131	164.2	-45.4	25.2	61.9	87.9	97
2012/01/05 19:02:04	3115 Bailly	18.0	13.63	0.87	97	1.8	36°48'50" 49°14'33"	157	4.4	UCAC2 36630885	13.40	7 <sup>h</sup> 18 <sup>m</sup> 28.390 <sup>s</sup> 13°31'50.954"	39.6	121	170.3	-49.0	46.1	61.7	88.0	107
2012/01/06 01:12:16	37297 2001 BQ77	16.6	18.24	6.56	17	1.0	36°10'06" 50°10'39"	330	1.9	TYC 74601677	11.69	6 <sup>h</sup> 43 <sup>m</sup> 15.543 <sup>s</sup> 9°18'20.289"	27.1	251	165.8	-40.6	36.4	14.1	89.6	352
2012/01/06 03:02:55	3987 Wujek	13.2	15.79	3.80	205	1.0	38°24'39" 51°18'13"	47	1.4	UCAC2 41869428	12.03	6 <sup>h</sup> 50 <sup>m</sup> 58.131 <sup>s</sup> 28°58'38.497"	25.2	286	172.8	-22.9	33.5	-1.0	90.0	151
2012/01/06 04:08:25	9120 1998 DR8	6.0	16.37	4.38	115	0.5	36°43'50" 51°02'32"	16	1.2	TYC 134500266	12.00	7 <sup>h</sup> 06 <sup>m</sup> 16.090 <sup>s</sup> 16°30'35.579"	8.2	286	174.0	-12.7	37.8	-8.4	90.3	101
2012/01/06 17:52:36	172 Baucis	62.4	12.81	1.26	9	12.7	36°09'47" 50°02'23"	264	21.8	UCAC2 43050903	11.96	3 <sup>h</sup> 05 <sup>m</sup> 12.079 <sup>s</sup> 32°06'09.977"	72.1	191	125.9	-38.2	26.8	56.7	93.4	113
2012/01/06 19:37:11	10788 1991 UC	6.9	17.76	5.44	110	0.8	36°03'03" 51°01'15"	351	1.4	TYC 184500578	12.32	5 <sup>h</sup> 01 <sup>m</sup> 57.106 <sup>s</sup> 23°53'39.417"	64.1	182	151.0	-53.6	1.4	62.7	93.7	151
2012/01/06 19:40:51	74351 1998 VT54	6.3	17.90	6.74	153	0.5	37°18'55" 48°50'35"	151	1.0	TYC 185100750	11.16	5 <sup>h</sup> 19 <sup>m</sup> 00.601 <sup>s</sup> 24°44'03.038"	64.9	175	154.9	-54.1	4.5	62.6	93.7	171
2012/01/06 20:44:20	24530 2001 CP18	18.2	17.97	4.90	113	1.1	36°01'47" 49°02'41"	189	1.7	UCAC2 36283806	13.08	7 <sup>h</sup> 35 <sup>m</sup> 15.167 <sup>s</sup> 12°39'54.459"	49.2	148	168.3	-60.5	37.2	59.5	93.9	404

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 (%)	$\sigma_{km}$	
2012/01/06 20:51:47	34617 2000 UU48	5.5	19.17	7.25	149	0.8	36°46'08'' 51°21'13''	13	0.8	UCAC2 40975978	11.92	4 <sup>h</sup> 05 <sup>m</sup> 45.397 <sup>s</sup> 26°09'02.246''	55.0	240	138.4	-61.1	13.9	58.9	94.0	215	
2012/01/07 05:34:40	89800 2002 AW148	5.2	18.89	8.14	104	1.7	35°39'44'' 50°53'28''	335	1.0	TYC 25700329	10.75	10 <sup>h</sup> 45 <sup>m</sup> 10.273 <sup>s</sup> 4°45'50.033''	19.7	253	125.1	-0.4	79.5	-11.3	95.5	184	
2012/01/07 14:03:24	219890 2002 EO80	8.7	19.31	7.22	50	0.6	36°45'22'' 49°43'13''	137	0.5	TYC 243001180	12.09	6 <sup>h</sup> 34 <sup>m</sup> 48.542 <sup>s</sup> 33°59'54.627''	16.9	57	165.8	-2.7	16.4	15.5	96.9	650	
2012/01/07 15:02:41	2479 So-dankyla	20.0	14.84	1.71	159	3.1	34°42'51'' 51°04'02''	315	2.3	UCAC2 41001761	13.38	6 <sup>h</sup> 30 <sup>m</sup> 36.706 <sup>s</sup> 26°28'27.412''	20.5	73	169.8	-11.2	11.2	24.5	97.0	102	
2012/01/07 15:06:41	556 Phyllis	37.8	15.02	1.67	38	0.9	36°02'16'' 49°45'03''	208	6.5	UCAC2 27584065	13.62	21 <sup>h</sup> 22 <sup>m</sup> 51.925 <sup>s</sup> -12°21'10.988''	14.5	229	32.8	-11.8	127.5	25.1	97.0	228	
2012/01/07 18:51:01	77338 2001 FS98	5.2	17.27	5.78	75	0.8	36°11'12'' 49°22'36''	185	1.3	UCAC2 44798223	11.50	4 <sup>h</sup> 56 <sup>m</sup> 16.419 <sup>s</sup> 37°13'19.039''	76.1	152	147.2	-47.0	19.7	57.0	97.5	134	
2012/01/07 19:56:48	2007 Mc-Cuskey	21.9	16.89	3.67	105	2.3	36°14'24'' 49°06'23''	182	4.5	UCAC2 36228772	13.26	1 <sup>h</sup> 42 <sup>m</sup> 29.562 <sup>s</sup> 12°41'22.311''	30.9	252	101.6	-55.8	60.9	61.7	97.7	154	
2012/01/07 23:28:40	1559 Kus-taanheimo	13.8	14.92	2.69	113	1.4	36°41'27'' 51°01'37''	15	2.9	UCAC2 41512461	12.33	6 <sup>h</sup> 07 <sup>m</sup> 37.837 <sup>s</sup> 27°35'24.376''	50.3	252	164.2	-55.3	5.8	45.5	98.1	102	
2012/01/08 00:01:54	225089 2007 PG28	10.0	19.49	7.88	116	0.6	36°39'08'' 51°03'35''	13	0.6	TYC 135100832	11.61	7 <sup>h</sup> 23 <sup>m</sup> 47.856 <sup>s</sup> 18°09'39.916''	48.9	231	175.2	-51.0	18.6	40.6	98.2	649	
2012/01/08 03:01:10	2479 So-dankyla	20.0	14.86	1.73	69	3.1	36°53'51'' 50°31'25''	39	6.2	UCAC2 41001615	13.37	6 <sup>h</sup> 30 <sup>m</sup> 05.139 <sup>s</sup> 26°27'36.288''	19.3	289	169.2	-23.1	6.2	13.0	98.5	102	
2012/01/08 03:02:17	268 Adorea	139.9	13.64	1.36	102	5.4	37°05'44'' 50°48'01''	35	25.8	UCAC2 28204521	12.65	14 <sup>h</sup> 01 <sup>m</sup> 51.661 <sup>s</sup> -10°01'23.793''	27.2	156	75.2	-22.9	118.9	12.9	98.5	182	
2012/01/08 03:48:15	15495 Bogie	7.9	16.36	5.93	250	0.9	37°19'53'' 52°11'51''	17	0.3	TYC 131400011	10.44	6 <sup>h</sup> 08 <sup>m</sup> 51.027 <sup>s</sup> 16°42'51.657''	1.6	295	163.7	-15.7	5.1	6.2	98.6	122	
2012/01/08 14:02:59	27787 1992 UO6	6.6	17.05	5.37	54	0.7	36°42'50'' 49°39'06''	145	1.8	TYC 186401907	11.69	6 <sup>h</sup> 00 <sup>m</sup> 57.835 <sup>s</sup> 23°32'18.123''	14.3	70	162.7	-2.5	8.9	6.8	99.4	139	
2012/01/08 14:39:25	13817 Genobechetti	12.6	17.45	3.83	187	1.8	35°29'20'' 48°26'50''	198	1.6	UCAC2 31622629	13.65	4 <sup>h</sup> 11 <sup>m</sup> 08.522 <sup>s</sup> 0° - 17°29.651''	19.1	115	129.7	-7.6	41.8	12.0	99.4	204	
2012/01/08 17:26:46	15748 1991 RG25	7.9	18.17	8.14	74	0.6	35°49'15'' 50°38'45''	333	1.7	TYC 194300418	10.03	8 <sup>h</sup> 48 <sup>m</sup> 41.701 <sup>s</sup> 24°27'10.033''	20.7	76	158.8	-33.8	28.7	37.5	99.6	174	
2012/01/08 18:58:32	27185 1999 CH37	7.9	17.11	5.92	136	0.9	38°04'09'' 49°37'39''	110	1.4	TYC 470900446	11.20	3 <sup>h</sup> 23 <sup>m</sup> 08.239 <sup>s</sup> 0° - 7°36.065''	37.7	203	118.9	-48.0	54.3	50.4	99.7	147	
2012/01/08 19:55:10	780 Armenia	94.4	14.27	1.77	56	8.1	35°52'24'' 50°28'19''	328	21.2	UCAC2 29031767	12.74	2 <sup>h</sup> 44 <sup>m</sup> 05.562 <sup>s</sup> -7°53'01.450''	21.8	225	106.7	-55.5	66.9	56.6	99.7	166	
2012/01/09 01:05:33	65245 2002 EH130	10.0	19.70	6.33	147	0.6	36°29'57'' 51°21'33''	6	0.9	UCAC2 33361936	13.37	6 <sup>h</sup> 36 <sup>m</sup> 41.589 <sup>s</sup> 4°45'21.156''	21.7	250	159.9	-41.6	16.5	37.5	99.9	442	
2012/01/09 19:10:56	25532 1999 XJ133	9.5	17.61	5.99	79	0.6	36°34'11'' 49°21'54''	165	2.1	TYC 2701303	11.62	1 <sup>h</sup> 26 <sup>m</sup> 52.964 <sup>s</sup> 6°42'52.263''	29.5	242	93.8	-49.6	91.9	43.0	99.7	162	
2012/01/09 20:13:12	1570 Brunonia	16.2	15.84	5.80	66	1.6	36°20'13'' 49°27'09''	177	4.2	TYC 132400113	10.04	5 <sup>h</sup> 56 <sup>m</sup> 54.239 <sup>s</sup> 20°53'16.048''	61.1	178	160.3	-57.3	25.9	50.7	99.6	135	

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 (%)	$\sigma_{km}$
2012/01/09 20:24:55	9790 OK8	22.9	17.73	3.89	249	1.4	36°19'07'' 52°16'53''	1	2.0 2.7	UCAC2 37869201	13.87	6 <sup>h</sup> 41 <sup>m</sup> 28.169 <sup>s</sup> 17°27'55.620''	56.8	164	169.5	-58.5	15.5	51.9	99.6	343
2012/01/09 21:23:02	1851 Lacroute	16.9	16.57	3.07	94	1.3	36°22'36'' 50°53'37''	4	3.5 4.2	UCAC2 40670835	13.56	6 <sup>h</sup> 49 <sup>m</sup> 12.200 <sup>s</sup> 25°22'38.816''	65.4	188	171.9	-62.0	15.9	56.4	99.5	161
2012/01/10 00:52:50	31127 SL4	5.2	16.93	4.93	127	0.6	35°51'28'' 48°56'21''	194	1.0 1.6	TYC 76700600	12.01	7 <sup>h</sup> 19 <sup>m</sup> 35.603 <sup>s</sup> 11°13'51.325''	34.6	243	169.2	-43.5	10.7	44.5	99.3	134
2012/01/10 01:32:14	32465 SM141	7.2	17.18	5.86	168	0.6	37°05'54'' 51°27'43''	20	1.0 1.8	TYC 133800744	11.32	6 <sup>h</sup> 45 <sup>m</sup> 49.588 <sup>s</sup> 19°51'57.401''	29.9	266	171.2	-37.3	17.4	39.0	99.3	165
2012/01/10 02:30:15	2267 Agassiz	16.0	17.03	4.27	178	1.3	37°40'41'' 51°22'44''	34	1.5 5.9	UCAC2 40503684	12.78	7 <sup>h</sup> 07 <sup>m</sup> 47.348 <sup>s</sup> 24°40'50.217''	27.5	276	175.7	-28.0	14.6	30.2	99.2	108
2012/01/10 02:46:43	14999 VX8	11.5	17.66	4.84	20	1.6	36°04'29'' 50°09'33''	309	2.5 2.5	UCAC2 37544775	12.84	12 <sup>h</sup> 18 <sup>m</sup> 44.526 <sup>s</sup> 16°10'10.950''	56.3	184	110.5	-25.4	61.6	27.6	99.2	180
2012/01/10 03:37:18	269 Justitia	53.6	14.00	1.41	254	3.5	38°13'27'' 51°58'17''	33	3.3 14.6	UCAC2 37694569	12.94	6 <sup>h</sup> 51 <sup>m</sup> 12.612 <sup>s</sup> 16°36'47.578''	8.3	286	170.8	-17.3	17.1	19.7	99.1	146
2012/01/10 04:27:12	28786 HA54	5.8	18.11	6.24	113	0.6	36°23'12'' 49°01'58''	176	1.2 1.5	UCAC2 31502044	11.87	9 <sup>h</sup> 11 <sup>m</sup> 22.504 <sup>s</sup> 0° - 43°10.841''	9.5	257	145.1	-9.7	23.8	11.9	99.0	150
2012/01/10 15:24:57	63272 CC49	10.5	19.41	6.07	40	0.7	36°06'51'' 50°23'22''	342	0.8 0.9	UCAC2 40820858	13.35	5 <sup>h</sup> 49 <sup>m</sup> 53.907 <sup>s</sup> 25°30'41.598''	31.7	87	158.0	-14.1	38.6	-1.1	97.9	490
2012/01/10 15:57:37	2146 Stentor	38.0	16.50	3.87	130	1.9	37°42'32'' 50°46'53''	51	4.2 4.5	UCAC2 32177067	12.66	7 <sup>h</sup> 11 <sup>m</sup> 34.917 <sup>s</sup> 1°02'42.303''	5.6	95	158.8	-19.2	23.7	3.6	97.8	334
2012/01/10 15:57:55	7650 Kaname	11.0	16.57	2.78	6	0.9	36°13'20'' 50°00'37''	228	2.7 2.7	UCAC2 33377272	13.87	7 <sup>h</sup> 20 <sup>m</sup> 32.086 <sup>s</sup> 4°31'35.629''	6.8	91	162.5	-19.2	19.9	3.6	97.8	164
2012/01/10 16:01:58	927 Ratis-bona	67.5	14.39	1.51	148	5.6	37°49'46'' 49°10'24''	131	11.0 17.4	UCAC2 46932693	13.19	5 <sup>h</sup> 59 <sup>m</sup> 00.340 <sup>s</sup> 44°03'30.265''	47.7	73	151.6	-19.9	43.4	4.2	97.8	153
2012/01/10 16:53:01	20740 Semery	8.3	18.22	6.84	226	0.6	35°41'48'' 52°02'32''	349	0.9 1.7	UCAC2 39107634	11.38	5 <sup>h</sup> 49 <sup>m</sup> 56.867 <sup>s</sup> 20°47'15.301''	42.3	110	157.8	-28.0	38.9	11.9	97.7	190
2012/01/10 17:03:32	1926 Demid-delaer	20.9	14.91	2.15	241	2.0	36°13'27'' 47°52'44''	181	1.0 6.7	UCAC2 39806697	12.93	5 <sup>h</sup> 30 <sup>m</sup> 17.048 <sup>s</sup> 22°59'30.323''	48.5	115	153.5	-29.7	43.7	13.5	97.7	125
2012/01/10 17:12:28	17472 Dinah	5.8	16.35	5.73	206	0.6	36°18'18'' 51°53'37''	0	0.3 2.2	TYC 76001359	10.63	6 <sup>h</sup> 58 <sup>m</sup> 56.291 <sup>s</sup> 14°56'11.249''	30.2	103	170.6	-31.1	22.6	14.8	97.7	102
2012/01/10 17:31:03	693 Zerbi-netta	67.7	14.13	1.27	143	5.5	37°36'17'' 49°05'32''	138	11.5 18.5	UCAC2 46683147	13.26	6 <sup>h</sup> 08 <sup>m</sup> 56.831 <sup>s</sup> 43°11'54.694''	59.8	86	153.5	-34.1	42.2	17.7	97.6	145
2012/01/10 18:53:04	13487 VN	10.5	16.13	2.64	113	1.8	35°53'40'' 51°01'48''	346	2.0 2.5	UCAC2 46392442	13.59	4 <sup>h</sup> 54 <sup>m</sup> 41.369 <sup>s</sup> 42°21'24.675''	82.0	157	142.6	-46.8	55.1	30.2	97.4	169
2012/01/10 19:27:34	5186 Donalu	14.5	15.90	2.94	253	1.9	32°51'19'' 49°31'36''	257	1.0 3.7	UCAC2 44953826	13.04	2 <sup>h</sup> 52 <sup>m</sup> 30.850 <sup>s</sup> 37°54'56.359''	62.6	257	120.1	-51.7	78.4	35.2	97.3	154
2012/01/10 20:25:18	39285 BP75	2001	19.04	5.74	195	0.7	36°28'32'' 48°17'46''	176	0.8 0.8	UCAC2 40346531	13.30	8 <sup>h</sup> 14 <sup>m</sup> 45.663 <sup>s</sup> 24°20'27.091''	54.8	125	168.5	-58.3	11.9	42.9	97.2	504
2012/01/10 20:47:15	579 Sidonia	85.6	13.36	0.81	103	14.9	37°18'04'' 50°42'16''	45	16.4 19.4	UCAC2 37366642	13.26	11 <sup>h</sup> 46 <sup>m</sup> 01.415 <sup>s</sup> 15°32'18.597''	19.1	88	118.5	-60.1	44.8	45.5	97.2	174

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 (%)	$\sigma_{km}$	
2012/01/10 21:53:57	4816 Connelly	9.1	16.60	8.76	216	0.7	36°37'28" 48°07'04"	174	0.1 4.5	TYC 79200747	7.84	7 <sup>h</sup> 59 <sup>m</sup> 24.115 <sup>s</sup> 13°49'38.865"	53.8	171	168.7	-62.0	10.6	51.5	97.0	81	
2012/01/10 23:26:50	20985 1981 EA35	10.0	16.80	3.72	173	1.6	38°27'53" 49°23'42"	115	1.4 2.6	UCAC2 45455753	13.12	2 <sup>h</sup> 59 <sup>m</sup> 44.630 <sup>s</sup> 39°22'35.428"	27.4	300	121.4	-55.3	78.9	53.3	96.8	155	
2012/01/10 23:27:20	765 Mattiaca	11.0	14.76	1.84	40	1.2	36°23'05" 50°24'05"	10	3.9 4.2	UCAC2 41360189	13.14	7 <sup>h</sup> 42 <sup>m</sup> 42.005 <sup>s</sup> 27°17'19.288"	61.8	225	173.4	-55.2	20.4	53.2	96.7	104	
2012/01/11 04:40:04	1524 Joensuu	42.8	15.57	1.84	182	5.4	38°32'40" 50°49'54"	62	5.6 10.5	UCAC2 45301248	13.95	4 <sup>h</sup> 21 <sup>m</sup> 16.279 <sup>s</sup> 38°55'49.733"	2.5	338	137.0	-7.7	66.1	14.7	95.8	162	
2012/01/11 15:50:22	3763 Qianxuesen	11.5	15.39	2.44	89	1.4	37°05'06" 49°25'55"	140	3.0 4.2	UCAC2 43935803	13.08	5 <sup>h</sup> 41 <sup>m</sup> 33.145 <sup>s</sup> 34°49'02.364"	44.0	85	153.1	-17.9	55.6	-8.1	93.7	109	
2012/01/11 16:28:08	42045 2000 YJ103	7.9	17.81	6.53	48	0.6	36°33'16" 49°39'02"	157	1.7 1.8	TYC 80101252	11.28	8 <sup>h</sup> 40 <sup>m</sup> 11.362 <sup>s</sup> 9°40'24.268"	3.5	79	159.1	-23.8	10.6	-2.7	93.5	178	
2012/01/11 16:59:51	17029 Cuiflandre	6.0	18.05	8.23	145	0.5	35°38'28" 51°16'54"	341	1.0 1.6	TYC 132601396	9.82	6 <sup>h</sup> 13 <sup>m</sup> 02.929 <sup>s</sup> 21°12'33.985"	40.7	106	162.2	-28.9	47.2	1.9	93.4	154	
2012/01/11 21:27:40	19851 2000 TD42	5.5	18.45	6.76	164	0.8	34°12'33" 49°26'14"	245	0.8 1.1	TYC 68601442	11.70	4 <sup>h</sup> 36 <sup>m</sup> 58.489 <sup>s</sup> 9°51'33.768"	38.3	233	136.8	-61.8	73.1	40.4	92.3	196	
2012/01/11 22:30:42	223 Rosa	87.6	13.58	0.87	142	8.8	35°45'39" 48°49'04"	195	14.6 28.2	UCAC2 39312941	13.36	8 <sup>h</sup> 39 <sup>m</sup> 05.463 <sup>s</sup> 21°22'38.478"	61.3	170	164.1	-60.4	18.5	46.2	92.1	121	
2012/01/11 22:55:24	6001 Thales	10.0	16.62	2.87	172	0.8	37°16'11" 51°27'30"	24	1.4 2.5	UCAC2 38962769	13.83	7 <sup>h</sup> 25 <sup>m</sup> 10.894 <sup>s</sup> 20°29'25.168"	56.8	215	178.2	-58.4	33.9	47.7	92.0	157	
2012/01/11 23:13:33	129602 1997 WA12	13.2	19.27	5.35	196	0.8	36°37'44" 51°47'44"	7	1.0 1.1	UCAC2 32686393	13.93	7 <sup>h</sup> 31 <sup>m</sup> 22.216 <sup>s</sup> 2°41'53.287"	39.1	210	160.9	-56.7	32.1	48.4	91.9	489	
2012/01/12 00:13:12	4783 Wasson	11.3	17.85	4.07	211	0.6	35°23'19" 51°51'32"	342	1.1 2.9	UCAC2 34659934	13.80	13 <sup>h</sup> 34 <sup>m</sup> 37.853 <sup>s</sup> 8°13'06.671"	29.5	115	92.2	-49.2	57.9	48.7	91.6	154	
2012/01/12 00:14:24	42260 2001 OX82	7.2	17.32	5.48	126	1.1	37°14'59" 51°00'06"	33	1.4 2.1	TYC 197600427	11.85	10 <sup>h</sup> 25 <sup>m</sup> 11.934 <sup>s</sup> 29°54'10.056"	69.7	166	140.2	-49.0	23.7	48.6	91.7	138	
2012/01/12 03:40:27	3256 Da- guerre	24.4	18.32	8.02	258	0.7	35°04'33" 47°52'09"	200	2.2 3.1	TYC 562200340	10.30	15 <sup>h</sup> 52 <sup>m</sup> 58.316 <sup>s</sup> -14°59'18.112"	17.9	144	52.0	-16.7	93.4	27.9	90.7	313	
2012/01/12 15:23:00	254 Augusta	12.1	15.69	2.51	178	1.3	37°45'22" 48°45'58"	144	1.1 4.5	UCAC2 42202751	13.29	5 <sup>h</sup> 36 <sup>m</sup> 10.226 <sup>s</sup> 29°57'11.918"	37.9	87	152.4	-13.4	69.1	-22.1	87.4	107	
2012/01/12 17:13:38	12359 Cajigal	10.0	16.71	4.62	12	0.8	36°26'36" 50°00'14"	113	2.6 2.6	TYC 137001347	12.10	7 <sup>h</sup> 50 <sup>m</sup> 54.354 <sup>s</sup> 19°45'06.356"	26.9	91	175.6	-31.0	38.2	-7.3	86.9	155	
2012/01/12 18:28:28	21811 Bur- roughs	5.0	18.59	7.55	40	0.8	36°30'01" 49°42'39"	158	1.0 1.1	TYC 184400319	11.04	4 <sup>h</sup> 53 <sup>m</sup> 46.805 <sup>s</sup> 29°43'21.506"	69.0	160	143.2	-42.8	80.1	3.9	86.4	190	
2012/01/12 21:33:09	98600 2000 WZ65	5.0	17.99	6.16	37	0.5	35°45'44" 50°03'04"	271	1.3 1.3	TYC 66200155	11.83	3 <sup>h</sup> 56 <sup>m</sup> 03.583 <sup>s</sup> 12°25'12.016"	33.3	248	127.2	-61.7	96.3	30.7	85.5	148	
2012/01/12 22:53:43	2983 Poltava	30.9	15.69	4.07	237	2.9	37°05'09" 52°07'12"	14	2.2 8.5	UCAC2 38936339	11.64	5 <sup>h</sup> 54 <sup>m</sup> 17.543 <sup>s</sup> 20°26'41.847"	45.2	245	156.5	-58.5	68.6	39.3	85.0	145	
2012/01/12 23:33:33	53215 1999 CC83	5.5	17.32	4.74	38	0.6	36°39'39" 50°17'08"	45	1.2 1.2	TYC 240601342	12.60	5 <sup>h</sup> 59 <sup>m</sup> 36.193 <sup>s</sup> 31°21'00.874"	47.7	264	156.6	-54.3	69.0	42.1	84.8	181	

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 (%)	$\sigma_{km}$
2012/01/12 23:58:45	197619 2004 JC37	12.6	19.37	6.89	132	0.8	36°17'59" 51°13'51"	0	0.9	UCAC2 34977763	12.48	6 <sup>h</sup> 01 <sup>m</sup> 08.710 <sup>s</sup> 9°14'44.297"	27.7	250	154.3	-51.1	67.2	43.2	84.6	535
2012/01/13 00:27:08	4939 1986 QL1	7.9	15.65	6.45	241	1.1	37°47'13" 51°59'43"	26	0.1	TYC 243900712	9.20	6 <sup>h</sup> 40 <sup>m</sup> 32.915 <sup>s</sup> 32°54'48.588"	46.7	268	163.4	-47.1	61.4	43.7	84.5	95
2012/01/13 03:28:03	21544 Her-mainkhan	5.5	18.49	6.07	194	0.8	37°54'39" 51°26'59"	37	0.7	TYC 236600667	12.42	4 <sup>h</sup> 06 <sup>m</sup> 30.519 <sup>s</sup> 34°05'00.015"	1.6	327	132.6	-18.6	95.0	31.9	83.4	179
2012/01/13 14:33:08	3791 Marci	10.0	16.99	3.53	199	0.8	37°56'27" 48°36'57"	143	1.1	UCAC2 40495280	13.50	6 <sup>h</sup> 32 <sup>m</sup> 11.045 <sup>s</sup> 24°37'26.335"	18.0	73	164.6	-5.8	69.3	-36.3	79.5	153
2012/01/13 16:54:06	10109 1992 KQ	11.5	16.81	3.83	246	0.8	35°49'23" 52°14'10"	352	0.8	UCAC2 39641397	13.02	6 <sup>h</sup> 22 <sup>m</sup> 55.879 <sup>s</sup> 22°19'15.279"	40.3	104	162.5	-27.7	72.5	-21.3	78.6	155
2012/01/13 20:41:34	68922 2002 LW12	9.1	18.00	6.70	74	0.6	36°06'36" 50°42'23"	350	1.5	UCAC2 34256259	11.30	6 <sup>h</sup> 54 <sup>m</sup> 43.015 <sup>s</sup> 7°23'59.511"	47.4	174	162.4	-59.2	65.5	12.5	77.1	226
2012/01/14 00:44:57	16650 1993 TE3	6.6	16.79	4.87	71	0.6	36°47'31" 50°35'51"	31	1.8	UCAC2 44647790	11.94	6 <sup>h</sup> 38 <sup>m</sup> 13.892 <sup>s</sup> 36°48'16.634"	45.2	277	159.6	-44.4	76.4	37.7	75.5	121
2012/01/14 15:47:09	7650 Kaname	11.0	16.58	3.74	110	0.9	35°59'41" 49°04'28"	191	2.1	UCAC2 33376377	12.87	7 <sup>h</sup> 17 <sup>m</sup> 06.645 <sup>s</sup> 4°38'21.447"	8.3	93	162.2	-16.8	70.4	-39.5	69.2	164
2012/01/14 16:12:46	95332 2002 CQ117	5.8	19.64	8.16	38	0.7	35°58'31" 49°46'21"	216	0.7	UCAC2 33514497	11.48	4 <sup>h</sup> 27 <sup>m</sup> 56.144 <sup>s</sup> 5°24'10.379"	37.2	136	130.4	-20.9	112.6	-37.0	69.1	317
2012/01/14 17:04:11	207749 2007 RC286	13.8	18.85	5.13	205	0.8	37°31'29" 51°42'49"	26	0.6	UCAC2 28708169	13.73	7 <sup>h</sup> 49 <sup>m</sup> 36.759 <sup>s</sup> -8°33'49.217"	5.1	110	150.0	-29.1	62.0	-31.0	68.7	835
2012/01/14 20:48:29	53783 2000 EC95	5.5	18.47	7.07	97	0.5	36°26'17" 49°10'57"	174	1.1	TYC 186901287	11.41	5 <sup>h</sup> 35 <sup>m</sup> 02.934 <sup>s</sup> 28°02'04.061"	64.1	219	150.2	-59.5	100.0	1.9	67.0	165
2012/01/14 22:09:00	3115 Bailey	18.0	13.70	0.63	202	1.9	36°34'38" 48°14'28"	174	1.2	UCAC2 36452361	13.96	7 <sup>h</sup> 08 <sup>m</sup> 57.685 <sup>s</sup> 13°07'31.623"	51.3	204	168.4	-61.0	77.3	13.5	66.4	108
2012/01/14 23:25:19	6297 1988 VZ1	11.5	16.55	6.73	33	1.2	36°31'45" 50°17'52"	32	3.0	TYC 187701120	9.82	6 <sup>h</sup> 08 <sup>m</sup> 53.325 <sup>s</sup> 23°48'27.685"	44.0	254	158.0	-55.1	93.7	22.9	65.8	149
2012/01/14 23:43:22	22439 1996 HL20	5.8	18.59	7.47	209	0.6	37°36'32" 51°43'47"	27	0.7	TYC 185201051	11.12	5 <sup>h</sup> 27 <sup>m</sup> 16.033 <sup>s</sup> 24°33'20.182"	35.0	267	148.5	-52.9	103.4	24.8	65.6	183
2012/01/15 03:11:02	10357 1993 SL3	9.5	17.05	5.98	2	0.7	36°15'50" 50°01'51"	221	2.6	TYC 380501048	11.07	8 <sup>h</sup> 54 <sup>m</sup> 38.400 <sup>s</sup> 54°27'49.753"	51.7	302	144.2	-21.2	75.5	31.6	64.1	148
2012/01/15 05:17:57	482 Petrina	46.6	14.47	5.63	248	1.2	36°52'37" 52°14'30"	10	0.7	HIP 80576	8.85	16 <sup>h</sup> 27 <sup>m</sup> 06.479 <sup>s</sup> -12°05'27.403"	26.3	162	48.0	-2.1	59.4	21.1	63.2	95
2012/01/15 15:32:28	9493 Enescu	6.6	16.60	4.86	127	1.9	36°22'34" 48°54'20"	177	1.2	UCAC2 35879112	11.75	5 <sup>h</sup> 19 <sup>m</sup> 05.517 <sup>s</sup> 11°59'26.309"	30.9	110	143.6	-14.3	113.6	-49.0	58.6	118
2012/01/15 16:53:26	11663 1997 GO24	20.9	18.42	5.25	126	0.5	36°11'09" 51°10'34"	357	1.8	UCAC2 31427768	13.18	21 <sup>h</sup> 44 <sup>m</sup> 44.674 <sup>s</sup> -1°10'53.997"	6.8	260	35.0	-27.2	132.1	-42.7	57.8	433
2012/01/15 18:19:04	2753 Duncan	17.9	16.60	2.76	202	2.9	38°02'02" 48°37'59"	142	2.0	UCAC2 43061689	13.93	4 <sup>h</sup> 51 <sup>m</sup> 15.480 <sup>s</sup> 32°10'50.541"	71.6	161	139.5	-40.8	121.7	-32.1	57.1	158
2012/01/15 20:49:17	11429 De-modokus	28.8	17.60	6.07	22	2.6	36°23'49" 49°51'53"	159	3.3	UCAC2 46249664	11.54	4 <sup>h</sup> 42 <sup>m</sup> 36.526 <sup>s</sup> 41°57'42.573"	66.2	263	136.1	-59.3	122.8	-9.6	55.9	344

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 (%)	$\sigma_{km}$	
2012/01/15 21:26:16	269 Justitia	53.6	14.12	2.02	111	3.7	36°44'53" 51°00'12"	17	10.9	UCAC2 37692437	12.29	6 <sup>h</sup> 45 <sup>m</sup> 51.511 <sup>s</sup> 16°50'18.612"	-61.1	199	164.8	-61.1	97.0	-4.0	55.7	147	
2012/01/15 22:39:37	1660 Wood	18.1	13.81	1.08	87	4.3	37°20'58" 49°40'41"	118	4.9	UCAC2 21504227	13.23	8 <sup>h</sup> 02 <sup>m</sup> 20.139 <sup>s</sup> -25°10'38.754"	-59.2	190	133.5	-59.2	72.3	6.5	55.0	72	
2012/01/16 15:42:31	68002 XK34	7.6	17.97	7.03	5	0.6	36°19'27" 50°04'54"	35	1.3	TYC 293001557	10.94	6 <sup>h</sup> 14 <sup>m</sup> 37.564 <sup>s</sup> 40°16'37.017"	-15.7	76	151.8	-15.7	116.3	-54.7	47.0	227	
2012/01/16 18:54:17	9004 UZ2	10.0	18.56	6.46	207	1.6	33°23'50" 50°02'16"	270	1.2	UCAC2 30631132	12.10	3 <sup>h</sup> 52 <sup>m</sup> 22.789 <sup>s</sup> -3°18'36.513"	-45.9	201	116.7	-45.9	144.7	-38.2	45.6	233	
2012/01/16 19:27:53	1771 Makover	56.7	14.06	1.01	141	4.7	36°30'32" 51°18'25"	6	9.6	UCAC2 42052018	13.60	7 <sup>h</sup> 32 <sup>m</sup> 07.079 <sup>s</sup> 29°22'32.268"	-50.6	122	170.4	-50.6	101.7	-33.4	45.2	127	
2012/01/16 20:33:40	2715 Mielikki	13.1	16.08	2.99	182	1.0	35°55'39" 48°25'42"	188	1.6	UCAC2 36099657	13.16	7 <sup>h</sup> 16 <sup>m</sup> 26.460 <sup>s</sup> 12°05'18.501"	-57.9	166	167.8	-57.9	102.4	-23.5	44.7	143	
2012/01/16 22:16:24	26912 JG1	7.9	18.00	6.21	131	0.9	35°52'18" 48°54'03"	193	1.4	UCAC2 35338600	11.79	5 <sup>h</sup> 18 <sup>m</sup> 56.993 <sup>s</sup> 10°12'23.669"	-60.4	240	141.7	-60.4	131.2	-8.0	43.9	170	
2012/01/17 02:46:05	1541 Estonia	20.2	15.59	2.07	206	2.6	38°30'24" 51°15'20"	50	1.9	UCAC2 42372821	13.69	5 <sup>h</sup> 17 <sup>m</sup> 47.529 <sup>s</sup> 30°08'38.298"	-25.0	307	144.0	-25.0	135.1	21.7	41.7	136	
2012/01/17 19:04:40	14126 QZ90	6.3	16.51	5.56	197	0.7	34°49'17" 48°33'29"	212	0.6	TYC 14901199	10.95	6 <sup>h</sup> 55 <sup>m</sup> 24.695 <sup>s</sup> 0°26'59.520"	-47.2	149	154.9	-47.2	116.8	-47.3	34.3	131	
2012/01/18 01:37:35	26211 RR9	6.0	17.96	6.36	221	0.5	37°53'59" 51°45'26"	31	0.6	TYC 74000007	11.60	6 <sup>h</sup> 26 <sup>m</sup> 14.282 <sup>s</sup> 13°03'51.006"	-35.9	272	157.0	-35.9	131.5	8.3	31.3	154	
2012/01/18 04:38:44	42182 CP29	14.5	18.52	4.88	137	0.8	34°46'34" 49°18'24"	233	1.2	UCAC2 40345202	13.65	7 <sup>h</sup> 59 <sup>m</sup> 29.856 <sup>s</sup> 24°00'06.412"	-7.4	295	176.6	-7.4	114.1	20.1	29.9	447	
2012/01/18 05:13:33	4770 Lane	14.5	17.92	4.46	119	1.2	35°18'26" 50°54'46"	324	2.3	UCAC2 37545515	13.48	12 <sup>h</sup> 44 <sup>m</sup> 44.153 <sup>s</sup> 16°01'37.452"	-2.4	238	112.3	-2.4	51.4	20.1	29.7	217	
2012/01/18 15:58:22	51046 GV136	7.2	16.94	5.22	243	0.6	37°56'47" 48°09'22"	151	0.4	TYC 249500913	11.73	9 <sup>h</sup> 04 <sup>m</sup> 54.692 <sup>s</sup> 32°57'36.709"	-17.8	59	160.9	-17.8	108.4	-56.4	25.2	138	
2012/01/18 16:55:54	23895 SH58	5.5	17.94	6.70	205	0.6	35°58'15" 48°13'17"	186	0.6	TYC 72000253	11.25	5 <sup>h</sup> 56 <sup>m</sup> 17.515 <sup>s</sup> 11°06'36.973"	-27.0	124	148.9	-27.0	146.5	-60.5	24.8	170	
2012/01/18 17:02:05	5641 Mc-Cleese	6.3	15.46	4.20	238	0.6	37°51'13" 51°56'31"	28	0.0	TYC 482803024	11.28	7 <sup>h</sup> 20 <sup>m</sup> 14.869 <sup>s</sup> -6°27'28.423"	-28.0	117	151.2	-28.0	120.0	-60.8	24.7	73	
2012/01/18 18:49:54	6747 Ozegahara	7.9	17.61	6.75	137	0.7	36°42'29" 48°50'57"	167	1.4	TYC 189200472	10.86	6 <sup>h</sup> 35 <sup>m</sup> 11.088 <sup>s</sup> 29°02'47.230"	-44.9	133	159.0	-44.9	141.5	-57.5	24.0	167	
2012/01/18 19:12:08	7736 Nizhnij Novgorod	11.0	16.85	4.98	122	0.8	35°34'48" 49°02'55"	204	2.1	TYC 16602373	11.88	7 <sup>h</sup> 02 <sup>m</sup> 27.424 <sup>s</sup> 3°36'09.768"	-48.0	149	158.0	-48.0	129.8	-55.4	23.8	157	
2012/01/18 20:35:11	2479 So-dankyla	20.0	15.19	2.31	95	4.2	36°32'58" 49°12'38"	169	5.0	UCAC2 40998798	13.02	6 <sup>h</sup> 20 <sup>m</sup> 25.776 <sup>s</sup> 26°04'55.362"	-57.6	197	156.4	-57.6	145.9	-44.9	23.2	106	
2012/01/18 21:19:54	38610 AU45	18.2	18.52	4.90	234	1.2	36°09'11" 52°08'45"	358	1.6	UCAC2 39455397	13.63	6 <sup>h</sup> 06 <sup>m</sup> 11.092 <sup>s</sup> 21°45'21.987"	-60.3	220	153.4	-60.3	149.4	-38.3	22.9	373	
2012/01/18 23:54:08	5610 Balster	9.5	16.49	5.53	138	0.8	35°41'01" 48°52'29"	198	1.7	TYC 137700640	10.96	8 <sup>h</sup> 10 <sup>m</sup> 16.377 <sup>s</sup> 15°40'41.070"	-51.1	226	174.7	-51.1	121.0	-14.8	21.9	136	



Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Page 8		Table 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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2012/01/19 01:14:26	7832 1993 FA27	6.0	17.32	5.47	202	0.8	37°41'28'' 51°37'33''	30	0.5	UCAC2 37320164	11.85	5 <sup>h</sup> 50 <sup>m</sup> 36.591 <sup>s</sup> 15°51'10.156''	15.2	277	148.7	-39.5	154.2	-3.5	21.3	120
2012/01/19 03:25:51	72803 2001 GD	7.9	18.29	7.90	29	0.6	36°01'48'' 50°15'13''	321	1.4	TYC 489201144	10.39	9 <sup>h</sup> 21 <sup>m</sup> 16.868 <sup>s</sup> −7°19'14.285''	9.7	246	145.9	-18.5	98.4	11.3	20.5	220
2012/01/19 16:06:26	2747 Cesky Krumlov	31.6	16.89	3.16	238	2.5	38°13'06'' 48°19'05''	144	3.1	UCAC2 42388412	13.79	6 <sup>h</sup> 19 <sup>m</sup> 47.700 <sup>s</sup> 30°27'28.166''	42.7	91	154.5	-18.9	156.6	-51.7	15.9	199
2012/01/19 17:56:35	65228 2002 EH58	12.6	18.88	7.00	118	0.8	36°26'04'' 51°05'56''	5	0.9	UCAC2 32858755	11.88	7 <sup>h</sup> 58 <sup>m</sup> 50.945 <sup>s</sup> 3°15'11.000''	23.9	116	162.8	-36.5	129.6	-61.9	15.3	528
2012/01/19 17:57:18	11784 1971 UT1	7.6	18.02	6.30	227	0.6	36°37'05'' 48°01'06''	174	0.8	UCAC2 38778654	11.72	7 <sup>h</sup> 03 <sup>m</sup> 09.292 <sup>s</sup> 19°41'13.335''	45.4	117	165.7	-36.6	148.0	-61.9	15.3	181
2012/01/19 22:15:26	2188 Orlenok	13.8	16.52	2.70	16	1.3	36°08'05'' 49°56'26''	222	3.4	UCAC2 39113278	13.91	6 <sup>h</sup> 11 <sup>m</sup> 44.750 <sup>s</sup> 20°59'41.697''	49.6	237	153.6	-59.9	162.7	-39.6	13.8	163
2012/01/19 23:27:51	13555 1992 JB2	8.3	17.46	8.17	45	4.2	36°18'55'' 50°27'04''	3	2.1	TYC 66200428	9.29	4 <sup>h</sup> 01 <sup>m</sup> 11.240 <sup>s</sup> 10°35'03.732''	10.2	274	120.8	-54.1	161.9	-28.5	13.7	154
2012/01/20 02:56:41	1143 Odysseus	125.6	14.73	1.74	308	10.2	34°13'15'' 47°38'21''	209	9.7	UCAC2 38939224	13.23	6 <sup>h</sup> 03 <sup>m</sup> 12.086 <sup>s</sup> 20°16'26.085''	4.2	297	151.3	-23.0	167.3	1.4	12.3	269
2012/01/20 21:35:57	91865 1999 UD25	6.3	19.39	7.48	111	1.3	36°52'41'' 49°07'27''	158	0.8	TYC 286300201	11.91	3 <sup>h</sup> 45 <sup>m</sup> 12.192 <sup>s</sup> 39°10'19.626''	44.9	282	120.9	-60.2	147.1	-53.1	7.1	311
2012/01/21 02:17:13	6886 Grote	12.0	15.67	4.87	68	2.1	37°13'58'' 50°00'56''	93	3.6	TYC 143000600	10.81	11 <sup>h</sup> 06 <sup>m</sup> 15.216 <sup>s</sup> 17°11'00.532''	52.1	219	138.2	-29.3	110.2	-11.3	6.1	111
2012/01/21 03:49:29	67887 2000 WA59	5.8	17.77	5.57	183	0.6	36°23'59'' 48°24'09''	177	0.8	TYC 22700868	12.21	9 <sup>h</sup> 14 <sup>m</sup> 05.425 <sup>s</sup> 1°14'49.656''	10.5	259	155.5	-14.5	131.3	1.3	5.7	192
2012/01/21 05:18:06	14032 Mego	7.2	17.68	7.19	208	0.9	36°16'19'' 51°55'02''	360	0.7	TYC 490501054	10.50	10 <sup>h</sup> 23 <sup>m</sup> 22.518 <sup>s</sup> −1°03'47.621''	5.6	262	141.2	-1.4	115.6	11.0	5.4	140
2012/01/21 17:20:20	99251 2001 LM	6.0	19.85	8.03	108	0.5	36°22'59'' 51°00'58''	4	0.8	UCAC2 37853993	11.82	5 <sup>h</sup> 51 <sup>m</sup> 05.533 <sup>s</sup> 17°22'17.059''	49.2	132	146.5	-30.3	166.8	-44.4	3.2	292
2012/01/21 17:32:41	62376 2000 SU153	5.0	19.06	8.41	207	0.6	35°35'07'' 48°14'56''	194	0.6	TYC 70500552	10.65	5 <sup>h</sup> 33 <sup>m</sup> 55.869 <sup>s</sup> 11°08'43.029''	46.7	145	140.9	-32.3	160.3	-46.1	3.1	262
2012/01/21 19:05:01	195415 2002 GJ40	11.0	19.33	6.12	169	0.7	36°13'57'' 48°31'52''	181	0.9	UCAC2 35919960	13.21	7 <sup>h</sup> 29 <sup>m</sup> 05.178 <sup>s</sup> 11°50'24.611''	45.1	138	166.8	-46.4	167.2	-56.9	2.9	430
2012/01/21 20:19:41	4011 Bakharev	5.5	16.06	5.02	9	0.6	36°18'07'' 50°07'34''	7	2.5	TYC 192501548	11.05	7 <sup>h</sup> 52 <sup>m</sup> 41.234 <sup>s</sup> 23°08'18.985''	60.4	149	174.3	-55.6	165.8	-60.5	2.7	87
2012/01/21 21:06:00	22149 2000 WD49	31.6	17.02	4.25	216	1.9	36°49'60'' 48°08'27''	170	2.6	UCAC2 41177619	12.79	6 <sup>h</sup> 45 <sup>m</sup> 56.382 <sup>s</sup> 26°56'10.519''	65.4	206	158.8	-59.1	173.0	-59.4	2.6	421
2012/01/22 03:29:36	11861 1988 VY2	20.0	16.25	2.91	165	2.1	38°05'49'' 50°58'39''	51	2.7	UCAC2 43245116	13.42	5 <sup>h</sup> 49 <sup>m</sup> 19.221 <sup>s</sup> 32°47'59.794''	7.2	314	145.2	-17.6	157.6	-7.5	1.7	225
2012/01/22 18:31:30	4114 Jas-norzevska	5.8	17.41	5.56	252	0.6	37°48'14'' 48°00'55''	154	0.3	UCAC2 42045414	11.86	6 <sup>h</sup> 51 <sup>m</sup> 10.546 <sup>s</sup> 29°26'31.302''	61.2	125	158.2	-41.3	162.9	-44.3	0.5	129
2012/01/22 21:58:49	161484 2004 HU42	11.5	19.65	5.95	16	0.9	36°24'15'' 50°10'17''	31	0.7	UCAC2 46267683	13.70	5 <sup>h</sup> 56 <sup>m</sup> 44.350 <sup>s</sup> 41°49'39.461''	62.4	268	142.9	-59.7	144.9	-56.6	0.3	680

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 (%)	$\sigma_{km}$	
2012/01/23 01:25:16	115077 2003 RL25	6.0	18.75	6.16	194	0.7	34°24'13" 51°18'43"	316	0.7 1.1	TYC 549201152	12.59	10 <sup>h</sup> 39 <sup>m</sup> 43.030 <sup>s</sup> −9°13'22.284"	28.5	202	134.7	−37.3	133.1	−32.5	0.2	227	
2012/01/23 05:09:14	404 Arsinoe	97.7	13.71	1.59	181	2.4	37°30'07" 51°28'56"	29	13.0 22.5	UCAC2 26475941	12.41	16 <sup>h</sup> 50 <sup>m</sup> 44.713 <sup>s</sup> −14°55'28.740"	23.4	162	49.7	−2.3	47.9	1.7	0.1	171	
2012/01/23 14:15:56	43599 2001 QS256	5.5	16.94	5.35	234	0.5	38°12'27" 48°21'23"	144	0.3 1.7	TYC 138400520	11.59	8 <sup>h</sup> 04 <sup>m</sup> 24.133 <sup>s</sup> 19°42'31.039"	3.8	63	176.2	−1.3	172.1	3.9	0.2	126	
2012/01/23 14:39:02	2950 Rousseau	13.3	14.90	1.74	122	1.4	35°25'55" 51°00'03"	330	2.6 4.7	UCAC2 39837687	13.40	7 <sup>h</sup> 23 <sup>m</sup> 41.863 <sup>s</sup> 22°51'16.757"	15.8	73	166.4	−4.6	162.2	0.8	0.2	112	
2012/01/23 16:08:19	1514 Ricouxa	10.0	16.29	2.76	78	0.8	36°06'34" 49°21'35"	189	2.7 3.4	UCAC2 36821613	13.62	9 <sup>h</sup> 11 <sup>m</sup> 02.091 <sup>s</sup> 14°20'49.132"	6.6	75	166.9	−18.3	171.1	−12.4	0.3	117	
2012/01/23 16:10:46	190264 2007 NE2	12.6	19.07	5.37	211	0.8	36°13'44" 51°56'48"	359	1.0 1.2	UCAC2 33736884	13.70	7 <sup>h</sup> 32 <sup>m</sup> 18.968 <sup>s</sup> 5°52'13.475"	16.3	100	162.0	−18.7	162.5	−12.7	0.3	429	
2012/01/23 17:30:25	23119 2000 AP33	20.9	17.97	4.19	151	1.1	35°25'18" 51°17'33"	336	1.8 1.9	UCAC2 40684285	13.80	8 <sup>h</sup> 28 <sup>m</sup> 03.295 <sup>s</sup> 25°03'40.321"	34.4	91	174.1	−31.5	168.9	−24.9	0.3	446	
2012/01/23 20:27:02	4473 Sears	10.5	16.87	5.44	253	1.0	36°35'41" 47°46'59"	175	0.7 2.8	TYC 83500536	11.43	9 <sup>h</sup> 55 <sup>m</sup> 37.199 <sup>s</sup> 12°45'48.976"	38.8	121	156.4	−55.8	162.5	−48.3	0.5	150	
2012/01/24 00:14:35	175 Andromache	100.9	13.50	1.35	30	6.9	36°11'38" 49°47'20"	193	22.6 22.9	UCAC2 41014065	12.52	7 <sup>h</sup> 29 <sup>m</sup> 33.734 <sup>s</sup> 26°18'33.131"	45.1	257	166.1	−47.6	156.5	−45.9	0.7	173	
2012/01/24 15:11:49	59967 1999 RP240	7.2	18.87	9.44	131	0.8	34°31'31" 49°44'49"	255	1.0 1.2	TYC 7201182	9.43	3 <sup>h</sup> 50 <sup>m</sup> 33.817 <sup>s</sup> 7°06'27.458"	40.4	139	112.6	−9.3	97.9	6.6	2.1	244	
2012/01/24 15:44:24	4350 Shibecha	12.0	15.21	2.96	52	2.5	35°49'34" 50°24'50"	321	4.1 4.6	UCAC2 42410703	12.32	11 <sup>h</sup> 03 <sup>m</sup> 35.952 <sup>s</sup> 30°26'50.693"	1.7	41	142.5	−14.3	149.3	1.9	2.2	103	
2012/01/24 20:53:10	6510 Tarry	9.5	16.59	3.91	150	0.6	37°52'53" 50°56'09"	49	1.5 3.0	TYC 483402613	12.71	7 <sup>h</sup> 34 <sup>m</sup> 12.153 <sup>s</sup> −2°55'14.520"	37.2	180	154.5	−57.6	147.4	−42.1	2.9	126	
2012/01/24 21:13:18	19727 Allen	7.6	17.58	10.27	90	1.6	36°30'38" 49°14'55"	170	2.0 3.2	HIP 22990	7.31	4 <sup>h</sup> 56 <sup>m</sup> 47.511 <sup>s</sup> 16°44'03.145"	41.7	243	130.4	−58.7	111.7	−44.0	3.0	95	
2012/01/24 22:17:37	2477 Biryukov	11.5	16.60	3.03	216	0.9	37°25'18" 51°51'05"	22	1.0 3.2	UCAC2 36455073	13.64	7 <sup>h</sup> 18 <sup>m</sup> 33.844 <sup>s</sup> 13°06'34.321"	48.1	217	162.7	−58.7	145.4	−48.2	3.1	142	
2012/01/24 23:12:18	881 Athene	14.5	16.45	3.10	201	1.3	36°43'37" 51°49'52"	9	1.5 4.0	UCAC2 39285585	13.42	6 <sup>h</sup> 16 <sup>m</sup> 38.119 <sup>s</sup> 21°08'48.597"	39.1	256	149.6	−54.9	129.4	−48.9	3.3	146	
2012/01/25 00:33:18	8145 Valujki	10.0	16.77	3.50	8	2.1	36°23'23" 50°04'23"	69	2.6 2.7	UCAC2 38751956	13.31	5 <sup>h</sup> 35 <sup>m</sup> 21.935 <sup>s</sup> 19°33'47.348"	18.4	279	139.8	−44.9	119.0	−44.6	3.5	150	
2012/01/25 01:52:01	885 Ulrike	33.4	15.78	3.78	66	2.3	35°39'32" 49°36'52"	223	6.8 7.2	TYC 82501209	12.04	9 <sup>h</sup> 20 <sup>m</sup> 29.237 <sup>s</sup> 14°18'09.914"	37.4	245	166.2	−32.8	171.3	−36.0	3.7	184	
2012/01/25 17:52:37	4353 Onizaki	11.0	15.91	3.09	166	0.9	35°59'06" 51°31'48"	353	1.5 3.2	UCAC2 42403146	12.89	7 <sup>h</sup> 58 <sup>m</sup> 14.177 <sup>s</sup> 30°12'20.712"	47.6	98	166.7	−34.6	138.7	−6.8	6.7	138	
2012/01/25 18:00:18	8140 1981 EO15	5.8	17.43	9.38	6	0.5	36°22'22" 50°01'53"	106	2.9 2.9	HIP 39258	8.05	8 <sup>h</sup> 01 <sup>m</sup> 41.418 <sup>s</sup> 9°37'37.283"	32.7	117	168.5	−35.8	145.9	−7.9	6.7	80	
2012/01/25 19:24:52	20701 1999 VL179	8.3	17.82	6.70	244	0.7	35°28'09" 47°55'25"	194	0.8 1.8	TYC 190600570	11.12	6 <sup>h</sup> 55 <sup>m</sup> 20.903 <sup>s</sup> 29°49'47.145"	68.2	152	156.0	−48.2	125.5	−20.7	7.0	190	

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 (%)	$\sigma_{km}$
2012/01/25 20:19:35	1801 Titicaca	23.2	15.03	2.88	257	1.9	35°36'35" 47°46'50"	191	1.1	UCAC2 42751193	12.23	8 <sup>h</sup> 24 <sup>m</sup> 35.920 <sup>s</sup> 31°28'31.600"	66.2	133	167.4	-54.6	141.4	-28.4	7.2	132
2012/01/25 21:08:20	962 Aslog	39.5	15.67	2.08	116	3.1	36°40'41" 51°03'38"	14	7.9	UCAC2 38429590	13.76	7 <sup>h</sup> 59 <sup>m</sup> 53.027 <sup>s</sup> 18°54'11.853"	59.1	176	172.9	-58.2	141.9	-34.4	7.4	144
2012/01/25 22:28:32	1904 Masse- vitch	18.2	15.75	2.23	141	1.8	35°04'08" 49°03'10"	218	3.1	UCAC2 38797362	13.67	10 <sup>h</sup> 58 <sup>m</sup> 45.674 <sup>s</sup> 19°40'21.428"	53.2	135	145.0	-58.0	162.7	-41.7	7.7	143
2012/01/26 00:17:04	23384 5163 T- 2	6.9	17.17	5.20	228	0.6	35°30'17" 48°04'00"	194	0.6	UCAC2 39658490	11.98	7 <sup>h</sup> 23 <sup>m</sup> 19.625 <sup>s</sup> 22°17'51.085"	39.6	257	163.9	-47.0	131.0	-43.6	8.1	151
2012/01/26 01:12:46	3237 Victor- platt	25.9	15.60	2.29	216	3.2	37°40'17" 51°46'36"	27	2.7	UCAC2 40314531	13.45	5 <sup>h</sup> 43 <sup>m</sup> 15.077 <sup>s</sup> 24°01'23.125"	16.1	288	140.9	-38.8	107.6	-40.5	8.4	168
2012/01/26 15:59:07	12684 1984 DQ	6.3	18.24	6.36	185	0.8	38°40'27" 49°25'42"	112	0.8	TYC 240100800	11.88	5 <sup>h</sup> 11 <sup>m</sup> 11.114 <sup>s</sup> 35°39'45.710"	60.2	105	132.6	-16.2	92.5	20.4	12.0	171
2012/01/26 18:05:16	1660 Wood	18.1	13.76	0.73	228	5.1	38°36'45" 51°28'16"	46	0.1	UCAC2 21499776	13.81	7 <sup>h</sup> 54 <sup>m</sup> 41.294 <sup>s</sup> -25°26'08.573"	4.5	140	134.7	-36.4	127.4	1.8	12.5	70
2012/01/26 19:25:36	31828 1999 VU199	11.5	17.55	5.03	35	0.8	36°31'07" 50°19'29"	28	2.4	UCAC2 37153208	12.53	6 <sup>h</sup> 36 <sup>m</sup> 22.047 <sup>s</sup> 15°00'25.609"	54.9	170	151.7	-48.1	111.4	-10.5	13.0	188
2012/01/26 23:43:47	10109 1992 KQ	11.5	17.12	4.19	227	1.0	33°58'17" 48°40'38"	227	1.1	UCAC2 39989763	12.95	6 <sup>h</sup> 12 <sup>m</sup> 14.521 <sup>s</sup> 23°13'51.433"	33.6	267	146.5	-51.1	102.5	-38.5	14.2	162
2012/01/27 17:09:45	4223 Shikoku	24.0	15.75	2.39	82	8.2	37°24'54" 49°55'01"	100	4.7	UCAC2 39799401	13.48	4 <sup>h</sup> 46 <sup>m</sup> 31.937 <sup>s</sup> 22°31'26.468"	61.3	158	126.1	-27.3	73.8	20.4	19.6	183
2012/01/27 18:45:52	41437 2000 GT122	7.2	16.99	4.73	111	0.6	36°42'47" 51°00'33"	16	1.5	TYC 486700775	12.28	8 <sup>h</sup> 42 <sup>m</sup> 58.595 <sup>s</sup> -3°28'02.074"	23.3	128	158.0	-42.3	132.9	5.9	20.0	137
2012/01/27 19:21:28	857 Glasenap- pia	15.0	15.71	2.03	83	0.8	36°17'08" 49°18'17"	180	3.7	UCAC2 36050845	13.87	2 <sup>h</sup> 24 <sup>m</sup> 57.198 <sup>s</sup> 12°21'45.779"	30.5	252	90.9	-47.3	38.3	0.4	20.2	133
2012/01/27 19:43:24	7409 1990 BS	7.2	15.85	4.20	6	0.7	36°16'49" 49°59'52"	185	3.0	UCAC2 40183845	11.68	8 <sup>h</sup> 46 <sup>m</sup> 45.663 <sup>s</sup> 23°39'11.303"	53.3	124	174.4	-50.1	126.3	-2.9	20.3	97
2012/01/27 21:57:30	5430 Luu	10.0	17.89	5.49	207	0.7	34°50'38" 51°40'23"	330	1.2	UCAC2 30466018	12.41	3 <sup>h</sup> 35 <sup>m</sup> 33.902 <sup>s</sup> -3°36'00.466"	4.7	259	102.3	-58.5	55.0	-21.6	21.1	190
2012/01/27 23:02:49	1771 Makover	56.7	14.33	1.23	205	5.4	34°31'12" 48°36'30"	218	5.1	UCAC2 42399769	13.52	7 <sup>h</sup> 22 <sup>m</sup> 12.418 <sup>s</sup> 30°09'31.728"	55.4	250	159.0	-55.1	104.7	-28.5	21.5	131
2012/01/28 05:16:33	9357 Venezuela	6.9	17.80	5.72	119	0.6	35°38'33" 49°03'48"	203	1.4	TYC 83200926	12.08	9 <sup>h</sup> 58 <sup>m</sup> 34.415 <sup>s</sup> 10°49'35.104"	6.6	279	159.5	-0.5	142.5	-14.0	23.6	146
2012/01/28 19:29:45	37286 2000 YL101	14.5	17.21	5.74	171	1.0	34°27'32" 51°02'59"	310	1.9	TYC 6700344	11.47	3 <sup>h</sup> 38 <sup>m</sup> 14.041 <sup>s</sup> 2°31'30.626"	31.0	231	104.1	-48.1	45.1	9.1	28.5	217
2012/01/28 19:40:34	4253 Marker	10.0	17.35	6.58	42	1.3	36°45'44" 49°49'51"	125	2.3	TYC 290401274	10.77	5 <sup>h</sup> 12 <sup>m</sup> 49.249 <sup>s</sup> 41°35'06.422"	73.5	247	129.9	-49.5	67.9	7.5	28.6	168
2012/01/28 23:47:45	2745 San Martin	7.6	15.95	3.99	230	0.6	37°29'57" 48°08'07"	158	0.3	UCAC2 31809141	11.99	5 <sup>h</sup> 14 <sup>m</sup> 59.527 <sup>s</sup> 0°03'23.403"	5.1	264	125.9	-50.2	67.4	-24.6	30.1	106
2012/01/29 00:57:00	938 Chlosinde	26.8	16.07	2.50	101	5.1	35°29'18" 49°18'18"	215	4.9	UCAC2 39445604	13.68	5 <sup>h</sup> 30 <sup>m</sup> 55.312 <sup>s</sup> 21°52'39.136"	13.2	288	134.9	-40.7	68.2	-28.9	30.6	187

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			
	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 (%)	$\sigma_{km}$
2012/01/29 16:26:07	5231 Verne	14.5	15.45	1.86	218	3.1	37°37'54" 51°48'33"	26	1.2 4.1	UCAC2 41677487	13.80	5 <sup>h</sup> 45 <sup>m</sup> 48.816 <sup>s</sup> 28°17'27.496"	-19.9	116	137.6	-19.9	63.9	44.6	36.2	139
2012/01/29 17:00:35	17788 1998 FT41	9.5	18.61	6.85	125	0.5	35°36'10" 51°04'48"	337	1.4 1.7	UCAC2 33687558	11.77	2 <sup>h</sup> 08 <sup>m</sup> 00.695 <sup>s</sup> 5°48'57.054"	-25.4	217	82.9	-25.4	13.7	40.5	36.5	227
2012/01/29 17:48:32	46943 1998 SZ99	5.2	17.67	6.22	77	1.7	35°29'43" 49°34'42"	227	1.1 1.3	TYC 12600516	11.46	5 <sup>h</sup> 35 <sup>m</sup> 52.252 <sup>s</sup> 5°43'55.677"	-33.1	163	132.1	-33.1	63.2	34.1	36.7	166
2012/01/29 18:58:57	38305 1999 RM96	5.8	18.48	6.10	164	0.6	36°25'24" 51°31'16"	3	0.8 1.3	TYC 189501465	12.39	7 <sup>h</sup> 05 <sup>m</sup> 47.299 <sup>s</sup> 23°09'00.334"	-43.7	148	156.0	-43.7	80.9	23.6	37.2	172
2012/01/29 21:07:02	230 Athaman-tis	109.0	11.79	0.73	148	5.1	36°40'16" 51°21'01"	11	17.9 30.0	TYC 63600975	11.83	2 <sup>h</sup> 03 <sup>m</sup> 40.295 <sup>s</sup> 12°45'37.077"	-57.1	279	84.0	-57.1	8.8	4.0	38.0	141
2012/01/30 16:09:08	3436 Ibadinov	12.6	16.67	2.92	74	1.2	36°30'55" 49°23'57"	167	2.9 3.2	UCAC2 38956855	13.83	6 <sup>h</sup> 58 <sup>m</sup> 04.074 <sup>s</sup> 20°19'08.332"	-16.9	102	153.5	-16.9	69.2	53.6	45.4	156
2012/01/30 16:58:54	12443 Paulsdney	11.0	16.79	3.82	119	0.9	35°41'52" 49°02'58"	201	2.1 2.7	UCAC2 30182862	13.01	8 <sup>h</sup> 07 <sup>m</sup> 21.766 <sup>s</sup> -4°48'59.480"	-24.9	116	155.1	-24.9	91.6	49.1	45.7	162
2012/01/30 18:48:37	13359 1998 UC4	7.9	18.54	6.68	175	1.2	37°15'04" 48°36'13"	157	1.1 1.6	TYC 65700157	11.86	3 <sup>h</sup> 43 <sup>m</sup> 24.673 <sup>s</sup> 9°20'23.734"	-42.0	224	105.4	-42.0	23.8	34.6	46.4	199
2012/01/30 18:50:49	953 Painleva	28.3	15.87	3.26	104	3.4	36°10'47" 49°07'09"	184	5.1 5.9	UCAC2 40297889	12.67	3 <sup>h</sup> 17 <sup>m</sup> 54.526 <sup>s</sup> 24°08'06.098"	-42.3	244	103.3	-42.3	17.7	34.2	46.4	191
2012/01/31 16:58:07	10638 Mc-Glothlin	7.6	18.41	6.73	106	0.7	36°18'16" 49°05'40"	179	1.4 1.6	TYC 133100444	11.68	6 <sup>h</sup> 48 <sup>m</sup> 53.810 <sup>s</sup> 15°43'29.770"	-24.6	121	150.0	-24.6	55.8	56.1	55.1	187
2012/01/31 18:01:26	30448 Yosh-iomoriyama	5.8	17.91	6.13	54	0.5	36°13'17" 49°33'37"	185	1.5 1.6	UCAC2 31864383	11.78	10 <sup>h</sup> 04 <sup>m</sup> 55.097 <sup>s</sup> 0°26'32.056"	-34.6	102	155.7	-34.6	105.9	49.6	55.5	141
2012/01/31 19:24:15	3775 Ellen-beth	9.1	17.53	5.97	18	0.8	36°19'53" 50°12'38"	10	2.2 2.2	UCAC2 43609246	11.56	7 <sup>h</sup> 24 <sup>m</sup> 04.402 <sup>s</sup> 33°51'40.546"	-46.7	144	153.9	-46.7	59.9	38.3	56.1	162