

## 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: 96

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 (%)	$\sigma_{km}$
2009/07/31 23:48:42	935 Clivia	7.9	15.45	4.67	32	0.9	35°51'10" 50°07'39"	286	3.4	TYC 691000274	10.79	20 <sup>h</sup> 18 <sup>m</sup> 03.113 <sup>s</sup> −24°42'56.269"	7.8	215	170.9	-16.4	47.1	-20.5	78.8	85
2009/08/02 01:01:26	1547 Nele	23.4	15.15	2.90	128	3.6	34°31'44" 49°50'05"	259	4.4	UCAC2 36574447	12.33	23 <sup>h</sup> 50 <sup>m</sup> 41.553 <sup>s</sup> 13°21'42.950"	53.3	188	125.3	-9.2	97.5	-23.8	86.3	122
2009/08/02 20:25:37	8553 Brad- smith	5.5	16.06	6.04	5	0.9	36°14'20" 50°04'32"	312	2.3	TYC 695500016	10.02	22 <sup>h</sup> 13 <sup>m</sup> 14.586 <sup>s</sup> −22°33'33.003"	9.7	144	160.3	-20.5	51.5	13.0	91.2	96
2009/08/02 21:52:39	11170 1998 FY34	6.6	17.81	7.08	75	0.7	35°47'46" 50°38'33"	332	1.5	TYC 630400677	10.73	19 <sup>h</sup> 13 <sup>m</sup> 55.133 <sup>s</sup> −20°31'14.021"	15.4	207	156.6	-22.5	11.3	7.3	91.5	153
2009/08/03 00:43:37	225 Henrietta	120.5	15.67	2.10	297	3.4	36°05'34" 47°22'47"	183	9.8	UCAC2 34415197	13.74	5 <sup>h</sup> 57 <sup>m</sup> 22.914 <sup>s</sup> 7°37'57.013"	5.6	85	43.8	-11.4	160.2	-13.0	92.1	288
2009/08/03 17:32:22	11536 1992 FZ	13.2	17.52	5.92	72	2.1	37°13'42" 49°48'52"	111	2.3	TYC 733400297	11.61	16 <sup>h</sup> 04 <sup>m</sup> 36.857 <sup>s</sup> −31°58'37.306"	7.5	189	113.5	-3.5	41.7	9.8	95.3	213
2009/08/03 21:22:52	6288 1984 ER1	11.5	17.73	3.85	35	0.9	35°57'14" 50°16'46"	317	2.3	UCAC2 23990745	13.91	19 <sup>h</sup> 27 <sup>m</sup> 03.685 <sup>s</sup> −20°08'45.159"	18.2	198	158.8	-22.7	3.5	14.8	95.9	196
2009/08/03 22:30:24	4790 Petr- pravec	17.6	15.54	3.31	6	1.9	36°12'46" 50°04'15"	296	4.1	UCAC2 25646331	12.28	19 <sup>h</sup> 07 <sup>m</sup> 24.481 <sup>s</sup> −16°57'02.834"	14.5	219	154.0	-21.9	7.0	10.3	96.1	171
2009/08/03 23:08:43	36162 1999 RX221	6.6	17.92	6.11	198	0.8	35°23'12" 51°43'43"	341	0.8	UCAC2 28087974	11.81	19 <sup>h</sup> 06 <sup>m</sup> 28.374 <sup>s</sup> −10°54'29.933"	15.4	231	152.7	-20.1	12.8	6.7	96.2	210
2009/08/04 00:41:51	26145 1994 PG18	5.5	17.45	5.62	162	0.5	35°03'26" 51°16'21"	327	0.8	TYC 573700291	11.84	19 <sup>h</sup> 49 <sup>m</sup> 32.260 <sup>s</sup> −14°59'26.068"	5.3	239	163.8	-11.9	9.5	-4.2	96.4	147
2009/08/04 21:06:18	5337 Aoki	16.6	15.91	4.08	19	1.4	36°18'59" 49°52'35"	174	3.2	UCAC2 29564181	11.85	21 <sup>h</sup> 07 <sup>m</sup> 37.887 <sup>s</sup> −6°49'31.240"	32.6	168	169.6	-22.7	19.7	19.8	98.8	209
2009/08/06 17:06:37	48238 2001 ML11	5.8	18.36	6.37	105	0.7	37°39'59" 49°43'32"	110	1.0	TYC 102000190	11.99	18 <sup>h</sup> 02 <sup>m</sup> 18.708 <sup>s</sup> 13°18'04.905"	49.2	146	125.5	-0.6	58.4	-0.1	99.6	210
2009/08/07 00:51:07	3832 Shapiro	10.5	17.49	3.73	143	0.6	37°27'12" 49°00'25"	144	1.7	UCAC2 37118853	13.80	2 <sup>h</sup> 35 <sup>m</sup> 52.760 <sup>s</sup> 15°02'04.242"	45.5	129	93.2	-11.5	75.9	20.9	99.1	165
2009/08/07 01:38:37	1351 Uzbek- istania	64.9	15.53	4.93	18	2.1	36°16'37" 50°12'26"	358	12.2	UCAC2 41841959	10.61	4 <sup>h</sup> 50 <sup>m</sup> 15.455 <sup>s</sup> 28°55'51.370"	43.4	95	60.1	-5.5	108.4	15.7	99.0	211
2009/08/07 17:19:02	14345 1985 PO	6.6	17.14	6.47	45	2.8	35°41'00" 50°09'22"	286	1.9	TYC 625900087	10.67	18 <sup>h</sup> 00 <sup>m</sup> 02.933 <sup>s</sup> −20°12'25.089"	18.2	163	134.7	-2.6	63.8	-0.7	97.3	130
2009/08/08 00:23:42	3034 Climen- haga	11.5	13.75	3.16	55	2.5	36°42'00" 49°37'51"	147	4.8	TYC 638201218	10.65	22 <sup>h</sup> 01 <sup>m</sup> 51.169 <sup>s</sup> −21°04'53.605"	14.7	207	167.2	-14.8	16.9	31.4	96.3	72
2009/08/08 01:14:09	56 Melete	113.2	14.37	1.52	88	3.0	36°49'43" 49°20'37"	154	17.4	UCAC2 37865303	13.16	6 <sup>h</sup> 30 <sup>m</sup> 45.246 <sup>s</sup> 17°02'06.957"	15.4	82	38.5	-8.9	119.8	27.4	96.2	241
2009/08/08 20:15:18	67170 2000 AC244	6.6	18.11	5.73	138	0.6	35°04'59" 51°01'18"	322	1.1	TYC 50201518	12.38	20 <sup>h</sup> 06 <sup>m</sup> 07.077 <sup>s</sup> 3°51'46.061"	43.9	175	153.9	-21.6	45.7	23.7	92.7	195
2009/08/08 22:12:19	822 Lalage	12.1	16.07	3.40	106	3.1	35°16'47" 50°44'48"	317	2.8	UCAC2 34038112	12.72	0 <sup>h</sup> 57 <sup>m</sup> 34.542 <sup>s</sup> 6°48'45.791"	31.6	121	120.5	-23.8	27.6	36.1	92.3	105
2009/08/09 18:16:29	11103 Miek- oupe	7.9	17.09	6.79	175	1.0	35°34'09" 51°33'16"	343	1.1	TYC 630700448	10.30	19 <sup>h</sup> 37 <sup>m</sup> 24.475 <sup>s</sup> −18°54'50.263"	17.5	155	155.7	-10.7	65.7	3.9	87.3	150

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 (%)	$\sigma_{km}$
2009/08/09 21:58:04	2711 Aleksandrov	16.6	15.20	2.69	117	1.5	35°00'45'' 50°42'58''	309	3.4 4.9	UCAC2 28293463	12.61	21 <sup>h</sup> 11 <sup>m</sup> 44.507 <sup>s</sup> −10°11'33.416''	29.7	187	174.3	−24.4	43.3	36.1	86.3	136
2009/08/10 18:36:15	15898 Kharasterteam	7.2	16.85	4.64	14	0.7	36°25'42'' 50°08'25''	44	2.1 2.1	TYC 691801279	12.22	20 <sup>h</sup> 14 <sup>m</sup> 32.536 <sup>s</sup> −28°11'10.625''	7.8	155	159.7	−13.3	72.9	4.5	79.8	135
2009/08/10 23:59:30	439 Ohio	76.6	15.37	2.15	278	6.3	36°32'15'' 47°33'21''	176	4.8 17.9	UCAC2 37118526	13.39	2 <sup>h</sup> 27 <sup>m</sup> 27.740 <sup>s</sup> 15°10'21.175''	42.0	122	98.9	−17.9	25.4	48.4	77.9	169
2009/08/11 18:09:58	3913 Chemin	12.0	16.26	2.82	97	0.5	37°29'55'' 50°26'35''	63	2.3 2.7	UCAC2 34665359	13.52	15 <sup>h</sup> 34 <sup>m</sup> 11.570 <sup>s</sup> 8°28'32.910''	39.2	228	89.8	−10.4	140.0	−2.2	71.1	180
2009/08/11 21:18:14	190351 1998 XV1	8.3	20.45	10.56	169	1.2	34°59'35'' 51°19'24''	327	0.6 0.7	TYC 121401276	9.89	2 <sup>h</sup> 16 <sup>m</sup> 20.896 <sup>s</sup> 15°04'06.269''	19.3	89	102.3	−24.9	11.7	26.9	69.8	484
2009/08/11 22:06:21	7077 Shermanschultz	9.5	18.15	6.57	147	1.0	37°44'32'' 49°07'03''	135	1.5 2.0	TYC 629401158	11.58	19 <sup>h</sup> 02 <sup>m</sup> 03.811 <sup>s</sup> −22°02'20.215''	8.6	220	145.1	−24.8	101.8	34.3	69.5	195
2009/08/12 01:52:21	732 Tjilaki	37.6	13.90	1.14	85	3.7	36°53'42'' 49°23'50''	149	10.6 15.6	UCAC2 29747268	13.22	20 <sup>h</sup> 33 <sup>m</sup> 18.279 <sup>s</sup> −6°18'19.587''	3.6	256	164.2	−4.7	78.4	55.9	68.0	96
2009/08/12 17:08:25	215 Oenone	35.5	15.04	2.16	12	1.7	36°17'52'' 49°56'29''	176	8.0 8.0	UCAC2 25774453	13.04	14 <sup>h</sup> 36 <sup>m</sup> 43.575 <sup>s</sup> −16°25'56.814''	16.6	216	82.0	−2.3	173.2	−12.0	61.6	177
2009/08/12 19:24:05	26355 Grueber	10.0	16.60	4.15	213	3.0	39°04'44'' 49°23'58''	110	1.1 2.3	UCAC2 21367418	12.48	17 <sup>h</sup> 20 <sup>m</sup> 51.241 <sup>s</sup> −25°36'27.242''	10.3	206	121.1	−18.8	136.9	5.2	60.5	176
2009/08/12 19:43:10	4931 Toms	13.2	17.62	4.07	142	1.1	34°36'39'' 50°45'10''	303	1.9 2.3	UCAC2 32561008	13.58	17 <sup>h</sup> 10 <sup>m</sup> 50.855 <sup>s</sup> 2°05'38.689''	33.4	224	113.7	−20.5	132.1	8.0	60.5	225
2009/08/12 21:25:21	5687 Yamamotoshi-nobu	20.9	15.59	2.36	222	3.1	33°53'50'' 51°20'51''	310	2.0 5.3	UCAC2 25385254	13.36	18 <sup>h</sup> 24 <sup>m</sup> 59.682 <sup>s</sup> −17°14'53.069''	12.9	222	135.5	−25.3	122.1	23.8	59.7	158
2009/08/13 00:54:02	88161 2000 XK18	10.0	15.65	3.36	39	1.4	35°46'14'' 49°56'26''	252	2.5 2.6	UCAC2 36396257	12.34	23 <sup>h</sup> 17 <sup>m</sup> 30.500 <sup>s</sup> 12°53'26.344''	48.9	214	141.8	−12.6	45.8	54.0	58.3	156
2009/08/13 16:54:40	34290 2000 QQ150	10.5	17.88	5.54	84	1.5	35°10'08'' 50°17'16''	289	1.7 1.8	UCAC2 17984064	12.34	16 <sup>h</sup> 39 <sup>m</sup> 59.055 <sup>s</sup> −32°34'17.726''	7.5	182	111.7	−0.6	156.4	−14.0	51.1	230
2009/08/13 17:23:36	1301 Yvonne	22.8	16.51	2.79	99	1.3	34°56'57'' 50°17'47''	286	4.1 4.7	UCAC2 35975509	13.81	18 <sup>h</sup> 36 <sup>m</sup> 58.283 <sup>s</sup> 11°42'27.743''	48.6	150	129.0	−4.8	117.8	−11.9	50.8	194
2009/08/13 17:32:01	1543 Bourgeois	12.6	14.96	1.38	163	1.4	34°15'55'' 50°44'17''	298	1.6 4.3	UCAC2 22503142	13.94	17 <sup>h</sup> 03 <sup>m</sup> 29.017 <sup>s</sup> −23°09'17.647''	16.7	185	116.1	−5.9	152.8	−11.1	50.8	116
2009/08/13 17:33:48	33800 Gross	13.2	16.97	3.32	8	1.1	36°10'10'' 50°02'58''	272	2.6 2.6	UCAC2 28957840	13.70	18 <sup>h</sup> 44 <sup>m</sup> 56.360 <sup>s</sup> −8°14'35.241''	29.5	158	138.3	−6.2	125.6	−11.0	50.7	202
2009/08/13 17:33:52	147858 2005 UC385	5.5	19.26	8.25	56	0.9	37°04'22'' 50°03'00''	90	0.5 0.5	UCAC2 21152461	11.01	17 <sup>h</sup> 55 <sup>m</sup> 00.821 <sup>s</sup> −26°22'52.431''	13.5	174	127.8	−6.2	141.5	−11.0	50.6	413
2009/08/13 18:57:05	88158 2000 XH14	7.2	17.76	6.34	66	1.2	37°10'40'' 50°12'25''	74	0.8 0.8	TYC 626902192	11.43	18 <sup>h</sup> 21 <sup>m</sup> 33.180 <sup>s</sup> −18°28'25.889''	21.3	188	133.9	−16.5	134.8	−2.3	50.2	356
2009/08/13 21:43:16	182625 2001 UF114	13.2	19.25	6.48	167	2.5	35°03'11'' 51°19'39''	328	0.8 0.8	UCAC2 31527385	12.77	16 <sup>h</sup> 59 <sup>m</sup> 50.587 <sup>s</sup> 0° −49'14.217''	12.3	254	110.9	−25.7	146.3	21.0	48.8	675
2009/08/13 23:30:24	20695 1999 VM92	5.2	19.16	7.40	164	0.8	34°01'01'' 49°51'42''	263	0.7 0.9	TYC 628100419	11.76	18 <sup>h</sup> 51 <sup>m</sup> 01.607 <sup>s</sup> −15°58'26.587''	0.8	244	140.6	−21.2	130.1	37.7	47.9	227

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 (%)	$\sigma_{km}$	
2009/08/14 19:18:31	11488 1988 RM11	15.8	19.15	7.57	58	9.5	35°37'28'' 50°21'24''	306	1.6	UCAC2 23912420	11.58	17 <sup>h</sup> 17 <sup>m</sup> 00.968 <sup>s</sup> −20°09'05.314''	15.1	209	117.8	−18.9	164.0	−4.0	38.5	395	
2009/08/14 20:49:08	6461 1993 VB5	7.2	16.18	4.66	198	0.6	38°29'29'' 48°59'14''	127	0.4	UCAC2 31731269	11.53	18 <sup>h</sup> 54 <sup>m</sup> 23.811 <sup>s</sup> 0° − 13'26.398''	34.3	215	137.3	−25.1	133.6	6.8	38.1	97	
2009/08/14 20:49:55	4539 Miyagino	10.5	15.79	3.46	226	1.1	37°30'23'' 48°11'03''	157	0.6	UCAC2 29378935	12.37	21 <sup>h</sup> 13 <sup>m</sup> 18.097 <sup>s</sup> −7°11'26.021''	32.7	173	170.8	−25.1	106.5	6.9	38.2	123	
2009/08/15 18:32:56	17495 1992 DY	6.3	16.86	4.94	54	2.7	37°02'13'' 50°05'36''	85	2.0	UCAC2 22303680	11.93	18 <sup>h</sup> 15 <sup>m</sup> 33.972 <sup>s</sup> −23°47'10.344''	16.2	185	130.6	−14.4	165.2	−11.4	28.2	111	
2009/08/15 19:31:54	11153 1997 YB10	7.2	18.94	7.47	52	1.9	36°49'51'' 49°44'05''	132	1.2	TYC 681902509	11.47	17 <sup>h</sup> 04 <sup>m</sup> 02.673 <sup>s</sup> −28°04'41.277''	5.1	213	114.6	−20.4	177.7	−7.4	28.2	234	
2009/08/16 20:54:05	1025 Riema	10.2	15.74	2.21	44	0.7	36°47'06'' 49°49'21''	125	4.0	UCAC2 34880361	13.68	18 <sup>h</sup> 26 <sup>m</sup> 10.001 <sup>s</sup> 8°30'37.601''	37.7	231	125.9	−25.9	145.8	−6.5	17.6	92	
2009/08/17 17:45:51	12337 1992 WV3	5.5	16.98	5.48	219	0.6	37°58'44'' 51°41'58''	33	0.3	UCAC2 21898349	11.50	21 <sup>h</sup> 06 <sup>m</sup> 51.273 <sup>s</sup> −24°30'46.462''	4.4	138	165.0	−9.0	154.6	−14.6	10.4	113	
2009/08/17 23:55:30	14494 1994 YJ2	7.6	17.07	6.90	205	0.6	38°17'16'' 48°44'34''	135	0.8	TYC 748800600	10.17	21 <sup>h</sup> 48 <sup>m</sup> 41.101 <sup>s</sup> −30°24'51.822''	4.0	209	162.7	−20.1	148.6	4.4	8.5	153	
2009/08/18 01:29:48	788 Hohensteina	103.7	12.79	1.13	163	8.0	35°53'44'' 51°29'19''	350	15.0	UCAC2 30929281	12.13	21 <sup>h</sup> 14 <sup>m</sup> 43.180 <sup>s</sup> −2°46'35.483''	12.6	250	166.5	−9.2	149.2	17.7	8.1	136	
2009/08/18 22:15:23	2216 Kerch	21.8	15.62	2.88	88	3.4	36°38'09'' 50°48'29''	16	4.9	UCAC2 32985357	12.82	1 <sup>h</sup> 57 <sup>m</sup> 55.649 <sup>s</sup> 3°59'48.444''	26.7	119	116.9	−26.7	96.2	−16.5	3.3	151	
2009/08/18 23:22:14	1121 Natascha	14.5	14.83	3.30	7	1.4	36°12'54'' 50°00'27''	229	5.8	TYC 637101126	11.58	21 <sup>h</sup> 47 <sup>m</sup> 08.552 <sup>s</sup> −19°36'48.142''	16.3	207	173.0	−23.2	162.2	−10.5	3.1	100	
2009/08/18 23:28:35	5411 Liia	14.5	17.65	4.55	248	1.0	39°03'41'' 48°44'32''	126	1.3	UCAC2 40298089	13.11	3 <sup>h</sup> 20 <sup>m</sup> 36.698 <sup>s</sup> 24°29'05.871''	41.3	101	91.9	−22.8	71.9	−9.8	3.1	202	
2009/08/19 00:43:40	60 Echo	60.2	12.62	1.25	87	1.4	36°27'12'' 50°49'11''	8	13.0	TYC 135200485	11.78	6 <sup>h</sup> 56 <sup>m</sup> 45.731 <sup>s</sup> 20°11'21.392''	15.7	77	42.8	−15.3	23.4	−0.8	2.9	159	
2009/08/19 20:02:23	10632 1998 CV1	12.0	19.11	7.04	172	3.8	34°16'04'' 50°54'11''	303	1.3	UCAC2 24154746	12.07	17 <sup>h</sup> 18 <sup>m</sup> 56.895 <sup>s</sup> −19°59'45.367''	9.4	223	113.5	−24.1	121.5	−25.1	0.5	329	
2009/08/19 23:37:17	31891 2000 FR42	7.6	16.57	6.24	160	0.9	37°30'15'' 48°50'49''	147	1.1	TYC 693500235	10.34	20 <sup>h</sup> 57 <sup>m</sup> 09.128 <sup>s</sup> −29°10'24.760''	1.5	218	158.3	−22.3	161.7	−19.7	0.3	129	
2009/08/20 17:51:00	36294 2000 GSI52	6.3	18.50	6.28	71	0.8	35°23'31'' 50°19'51''	296	1.1	TYC 44500020	12.23	18 <sup>h</sup> 27 <sup>m</sup> 50.852 <sup>s</sup> 6°08'10.194''	46.2	175	124.2	−10.6	122.1	−12.2	0.2	208	
2009/08/20 19:08:09	1145 Robelmonte	23.2	15.06	2.30	133	1.9	38°03'40'' 49°42'41''	106	4.0	UCAC2 19442912	12.90	16 <sup>h</sup> 47 <sup>m</sup> 34.148 <sup>s</sup> −29°54'24.481''	2.4	214	106.3	−19.8	100.8	−22.1	0.3	107	
2009/08/20 19:30:23	31684 1999 JS22	5.0	18.00	7.47	60	0.5	35°48'33'' 50°29'25''	325	1.1	TYC 576500117	10.53	20 <sup>h</sup> 51 <sup>m</sup> 16.399 <sup>s</sup> −11°34'16.735''	27.2	164	163.2	−21.9	158.6	−24.6	0.3	177	
2009/08/21 01:38:46	2483 Guinevere	44.2	16.58	4.29	53	1.3	36°14'35'' 50°31'30''	357	7.5	UCAC2 39987794	12.32	6 <sup>h</sup> 06 <sup>m</sup> 48.982 <sup>s</sup> 23°16'23.473''	36.0	96	56.5	−8.7	65.6	−17.9	0.7	229	
2009/08/21 01:38:46	2483 Guinevere	44.2	16.58	4.28	53	1.3	36°14'35'' 50°31'30''	357	7.5	TYC 186401347	12.33	6 <sup>h</sup> 06 <sup>m</sup> 48.982 <sup>s</sup> 23°16'23.473''	36.0	96	56.5	−8.7	65.6	−17.9	0.7	229	

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 (%)	$\sigma_{km}$
2009/08/21 01:52:22	24743 NF	11.0	18.14	4.73	73	0.7	36°22'04'' 50°42'12''	5	2.1 2.2	UCAC2 34583730	13.42	4 <sup>h</sup> 01 <sup>m</sup> 37.581 <sup>s</sup> 8°22'51.397''	43.0	143	88.0	-6.8	96.4	-16.2	0.7	197
2009/08/21 19:33:21	5357 1992 EL	21.9	16.32	2.80	150	6.4	34°19'42'' 50°33'12''	292	2.9 3.5	UCAC2 20922807	13.60	17 <sup>h</sup> 58 <sup>m</sup> 40.644 <sup>s</sup> −26°44'08.396''	8.8	207	120.9	-22.5	101.7	-24.8	2.9	251
2009/08/21 19:35:44	34705 OA81	7.9	16.72	4.71	227	0.7	37°58'35'' 48°20'16''	148	0.5 2.6	TYC 54101510	12.02	21 <sup>h</sup> 23 <sup>m</sup> 26.362 <sup>s</sup> 7°13'44.009''	44.1	151	158.4	-22.7	152.1	-25.1	2.9	124
2009/08/21 19:47:34	4566 Chaokuang-piu	11.5	16.11	2.76	242	2.1	34°44'41'' 51°59'25''	333	1.0 2.5	UCAC2 29181614	13.43	19 <sup>h</sup> 31 <sup>m</sup> 49.987 <sup>s</sup> −7°53'48.361''	31.5	192	142.4	-23.7	125.1	-26.6	3.0	183
2009/08/21 20:04:17	14377 1989 TX2	6.9	18.22	9.59	108	0.9	34°54'13'' 50°27'23''	295	1.4 1.9	TYC 510500001	8.63	18 <sup>h</sup> 08 <sup>m</sup> 29.132 <sup>s</sup> −4°05'49.586''	27.9	221	121.4	-24.9	104.3	-28.7	3.0	146
2009/08/21 20:34:18	4937 Lintott	14.5	17.49	4.52	203	0.8	38°50'26'' 49°16'02''	115	1.6 2.0	UCAC2 43748728	12.99	4 <sup>h</sup> 13 <sup>m</sup> 07.471 <sup>s</sup> 34°17'00.392''	15.4	55	81.4	-26.7	101.7	-32.0	3.1	290
2009/08/21 22:57:26	13684 Bor-bona	10.5	17.84	5.89	72	1.1	35°51'56'' 49°27'35''	205	2.0 2.2	TYC 173002124	11.96	0 <sup>h</sup> 14 <sup>m</sup> 25.952 <sup>s</sup> 23°09'00.604''	61.6	155	132.6	-25.8	152.7	-39.9	3.5	193
2009/08/22 02:38:21	14723 2000 CB93	10.0	17.74	5.94	110	0.7	37°31'33'' 49°27'46''	126	1.8 2.2	UCAC2 41658888	11.81	2 <sup>h</sup> 52 <sup>m</sup> 38.680 <sup>s</sup> 28°28'32.574''	68.6	188	99.7	-0.2	123.3	-22.3	4.2	184
2009/08/24 21:14:07	5589 De Meis	10.5	18.03	4.37	160	0.5	37°42'01'' 48°56'49''	140	1.6 2.3	UCAC2 39436822	13.68	4 <sup>h</sup> 32 <sup>m</sup> 57.226 <sup>s</sup> 21°33'51.650''	10.1	68	81.9	-29.1	140.8	-32.6	24.7	183
2009/08/25 00:04:30	335 Roberta	89.1	13.48	0.90	273	10.6	35°55'31'' 52°29'23''	355	2.6 28.5	UCAC2 35870013	13.20	3 <sup>h</sup> 03 <sup>m</sup> 01.794 <sup>s</sup> 11°54'14.597''	42.5	131	105.0	-21.2	162.5	-54.4	25.8	122
2009/08/25 02:04:20	4271 Novosibirsk	14.5	16.70	2.80	184	2.6	38°43'53'' 49°33'28''	107	1.9 3.6	UCAC2 32643853	13.98	1 <sup>h</sup> 38 <sup>m</sup> 05.446 <sup>s</sup> 2°49'28.126''	41.0	202	127.8	-6.0	164.3	-56.5	26.6	161
2009/08/25 19:25:31	10648 Plan-cius	5.8	17.89	5.93	212	1.5	33°26'43'' 50°38'34''	288	0.5 1.6	UCAC2 28067409	11.96	18 <sup>h</sup> 43 <sup>m</sup> 40.059 <sup>s</sup> −10°39'11.287''	26.7	203	127.3	-23.2	59.9	-11.2	33.6	143
2009/08/25 19:35:02	4410 Ka-muimintara	13.8	16.85	3.71	209	4.2	33°22'20'' 49°54'34''	266	1.6 2.9	UCAC2 16064720	13.17	18 <sup>h</sup> 49 <sup>m</sup> 04.768 <sup>s</sup> −37°01'15.335''	0.9	197	126.2	-24.0	56.9	-12.6	33.4	188
2009/08/25 22:55:19	5307 Paul-Andre	6.6	17.00	6.13	178	0.7	38°12'04'' 49°02'08''	129	0.8 1.9	TYC 693600655	10.88	21 <sup>h</sup> 09 <sup>m</sup> 56.929 <sup>s</sup> −28°17'11.650''	5.2	212	155.9	-27.2	85.5	-43.6	34.9	136
2009/08/25 23:12:44	52194 1149 T-3	8.7	17.81	7.01	109	0.7	36°41'47'' 49°06'32''	164	1.3 1.4	TYC 56300243	10.80	22 <sup>h</sup> 22 <sup>m</sup> 28.368 <sup>s</sup> 2°45'59.628''	39.0	210	166.7	-26.1	113.8	-46.1	35.0	241
2009/08/26 16:39:44	34291 2000 QS150	10.5	18.18	5.23	19	0.8	36°29'03'' 50°09'28''	49	1.7 1.7	UCAC2 17980529	12.96	16 <sup>h</sup> 28 <sup>m</sup> 53.624 <sup>s</sup> −32°30'41.452''	6.6	192	97.0	-2.2	17.2	11.8	42.2	239
2009/08/26 18:19:09	50200 2000 AB203	6.6	17.52	6.15	68	0.7	35°43'20'' 50°32'28''	324	1.3 1.3	TYC 623901804	11.37	17 <sup>h</sup> 32 <sup>m</sup> 46.496 <sup>s</sup> −17°18'43.376''	19.8	203	109.9	-16.2	30.2	2.1	42.9	198
2009/08/26 21:15:43	26868 1993 RS3	5.8	17.51	5.54	198	0.9	38°00'44'' 48°39'51''	141	0.7 1.3	UCAC2 31571858	11.98	19 <sup>h</sup> 22 <sup>m</sup> 59.769 <sup>s</sup> 0° −52'34.892''	29.0	227	134.5	-29.8	60.1	-22.6	44.2	172
2009/08/26 21:26:02	14936 1995 BU2	8.3	16.44	5.38	102	0.7	36°28'03'' 49°08'17''	173	1.9 2.7	TYC 56201023	11.07	22 <sup>h</sup> 18 <sup>m</sup> 15.006 <sup>s</sup> 4°40'23.406''	44.8	178	165.1	-29.9	102.1	-24.2	44.2	124
2009/08/26 21:47:19	15967 Clairearm-strong	10.5	16.25	2.65	188	0.5	35°56'14'' 51°43'15''	352	1.2 2.9	UCAC2 34046373	13.70	4 <sup>h</sup> 16 <sup>m</sup> 56.427 <sup>s</sup> 6°35'03.077''	7.7	89	90.1	-29.9	159.8	-27.5	44.4	142

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 (%)	$\sigma_{km}$
2009/08/27 18:55:02	34704 OS80	2001	16.53	3.86	97	0.8	36°37'49" 49°12'17"	165	2.3	UCAC2 32295384	12.70	21 <sup>h</sup> 45 <sup>m</sup> 18.040 <sup>s</sup> 1°25'28.727"	35.2	142	164.9	-20.8	82.5	2.1	53.1	159
2009/08/27 22:21:51	6338 Isaosato	14.5	17.58	5.00	3	1.6	36°15'11" 50°01'29"	223	2.7	UCAC2 34582234	12.59	3 <sup>h</sup> 37 <sup>m</sup> 52.745 <sup>s</sup> 8°09'17.409"	21.3	103	100.3	-29.5	158.5	-26.2	54.5	211
2009/08/28 00:23:45	21512 Susieclary	5.0	16.63	4.45	208	0.5	38°01'53" 48°33'38"	143	0.2	TYC 581800033	12.20	22 <sup>h</sup> 41 <sup>m</sup> 22.090 <sup>s</sup> -12°32'16.297"	19.1	220	175.4	-20.0	86.1	-45.1	55.4	92
2009/08/28 17:03:37	4010 Nikol'skij	8.3	17.22	6.58	3	0.6	36°15'02" 50°02'56"	274	1.1	TYC 681900587	10.64	17 <sup>h</sup> 01 <sup>m</sup> 27.019 <sup>s</sup> -26°43'24.914"	12.4	193	101.5	-6.4	2.2	13.1	61.9	308
2009/08/28 17:51:41	4732 Froeschle	29.8	17.60	4.11	115	1.0	36°08'34" 49°00'56"	185	3.4	UCAC2 27490325	13.52	14 <sup>h</sup> 16 <sup>m</sup> 04.706 <sup>s</sup> -12°17'01.949"	4.6	245	60.5	-13.3	43.8	11.1	62.2	324
2009/08/28 18:28:47	2256 Wis-niewski	14.5	15.61	3.45	238	1.8	34°50'47" 51°58'51"	334	0.8	UCAC2 31433865	12.20	23 <sup>h</sup> 52 <sup>m</sup> 39.947 <sup>s</sup> -1°26'05.872"	13.1	108	157.7	-18.1	97.9	8.6	62.5	128
2009/08/28 22:47:59	2030 Belyaev	6.6	16.02	4.62	156	0.7	34°50'55" 51°06'50"	319	0.6	UCAC2 28471096	11.42	22 <sup>h</sup> 11 <sup>m</sup> 38.797 <sup>s</sup> -9°45'01.442"	27.2	205	175.5	-28.6	69.5	-22.7	64.2	89
2009/08/29 01:47:20	55546 XQ48	2001	15.55	3.82	119	1.3	35°28'06" 49°07'18"	210	1.6	UCAC2 38543982	11.77	22 <sup>h</sup> 57 <sup>m</sup> 58.324 <sup>s</sup> 18°43'21.415"	36.0	256	151.0	-9.4	91.2	-50.1	65.3	98
2009/08/29 02:27:33	28064 QX10	1998	16.91	4.13	31	1.0	36°24'06" 49°46'35"	165	2.4	UCAC2 27949031	12.80	0 <sup>h</sup> 15 <sup>m</sup> 57.431 <sup>s</sup> -10°36'09.302"	17.1	228	154.0	-3.5	94.8	-55.8	65.6	163
2009/08/29 17:21:17	5474 Gin-gasen	10.0	16.86	3.28	238	9.2	39°37'17" 50°09'56"	87	1.0	UCAC2 26092544	13.63	18 <sup>h</sup> 52 <sup>m</sup> 26.527 <sup>s</sup> -15°50'17.667"	23.8	171	126.0	-9.3	14.3	14.2	71.6	210
2009/08/30 19:27:19	25453 XU11	1999	16.56	4.29	29	1.0	36°26'43" 49°48'32"	157	2.8	UCAC2 34566772	12.29	21 <sup>h</sup> 51 <sup>m</sup> 11.323 <sup>s</sup> 7°44'13.069"	44.5	151	160.0	-25.1	52.2	13.5	79.9	164
2009/08/30 21:30:20	250 Bettina	79.8	13.14	0.86	69	3.1	37°13'40" 49°53'56"	104	16.2	UCAC2 42722812	12.93	5 <sup>h</sup> 28 <sup>m</sup> 44.974 <sup>s</sup> 31°05'46.702"	15.1	59	74.4	-31.4	157.3	3.2	80.5	181
2009/08/31 16:51:37	5118 El-napoul	13.2	14.61	1.54	27	2.0	36°34'05" 49°52'50"	133	5.2	UCAC2 38000749	13.37	22 <sup>h</sup> 50 <sup>m</sup> 45.105 <sup>s</sup> 17°14'47.478"	23.7	91	154.1	-5.6	59.7	14.5	86.1	96
2009/08/31 17:58:02	38450 TH	1999	19.64	7.60	54	15.3	36°45'21" 49°40'04"	142	0.8	TYC 629300108	12.05	18 <sup>h</sup> 53 <sup>m</sup> 58.200 <sup>s</sup> -22°23'06.447"	17.7	182	124.1	-15.1	13.1	17.9	86.7	247
2009/08/31 21:01:59	7793 YC3	1995	17.81	6.75	121	1.8	37°25'06" 49°14'22"	138	1.9	TYC 632400172	11.06	19 <sup>h</sup> 51 <sup>m</sup> 30.883 <sup>s</sup> -22°12'08.075"	11.8	212	137.2	-31.3	1.4	13.1	87.3	191
2009/08/31 21:59:39	41302 XO129	1999	18.65	8.11	221	0.6	35°30'07" 51°58'27"	345	0.5	TYC 691201366	10.55	20 <sup>h</sup> 38 <sup>m</sup> 01.515 <sup>s</sup> -25°16'56.184"	8.0	213	146.3	-31.5	10.5	7.7	87.5	253

