

## 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: 103

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 (%)	$\sigma_{km}$
2009/04/01 01:29:27	2591 Dworet-sky	17.4	16.85	4.59	204	0.9	37°44'13" 51°38'06"	30	2.0	UCAC2 22101454	12.27	19 <sup>h</sup> 04 <sup>m</sup> 47.557 <sup>s</sup> -24°13'57.917"	8.5	145	86.6	-16.4	156.2	-12.7	32.8	185
2009/04/01 19:48:00	23929 SU163	5.8	17.07	5.41	231	0.7	35°33'08" 48°01'32"	193	0.3	UCAC2 30204939	11.66	14 <sup>h</sup> 09 <sup>m</sup> 04.897 <sup>s</sup> -4°57'29.606"	21.0	127	158.9	-30.4	119.3	31.5	41.1	115
2009/04/01 19:51:23	2375 Radek	25.0	16.33	4.59	139	1.7	35°30'37" 48°54'26"	204	4.0	UCAC2 40838153	11.76	6 <sup>h</sup> 47 <sup>m</sup> 43.523 <sup>s</sup> 25°31'14.558"	36.8	267	88.7	-30.7	9.0	30.9	41.2	190
2009/04/01 20:51:39	105114 LS21	6.0	19.86	8.08	185	1.3	35°01'37" 51°30'09"	331	0.7	TYC 20001731	11.78	8 <sup>h</sup> 19 <sup>m</sup> 39.487 <sup>s</sup> 3°15'49.942"	24.6	243	113.3	-34.4	38.7	21.7	41.5	268
2009/04/02 01:07:25	75770 AX190	5.5	18.66	6.44	72	0.6	36°17'16" 50°41'54"	0	1.2	TYC 25001286	12.22	10 <sup>h</sup> 04 <sup>m</sup> 37.416 <sup>s</sup> 6°11'21.676"	3.1	276	138.4	-19.1	56.6	-9.0	43.7	174
2009/04/02 02:40:41	9168 Sarov	6.6	18.23	6.69	104	0.8	37°29'05" 49°31'20"	124	1.4	UCAC2 23920162	11.54	17 <sup>h</sup> 28 <sup>m</sup> 37.571 <sup>s</sup> -20°06'58.987"	19.8	185	109.7	-5.4	165.7	-13.8	44.4	144
2009/04/02 16:05:41	3596 Meriones	45.7	16.80	3.86	269	1.1	35°58'06" 52°27'18"	355	3.6	UCAC2 37114656	12.98	0 <sup>h</sup> 58 <sup>m</sup> 27.060 <sup>s</sup> 15°18'21.321"	9.0	283	10.6	-0.6	84.1	64.7	50.8	410
2009/04/02 19:40:33	2811 Strem-chovi	13.8	15.81	2.74	31	1.2	36°34'02" 50°15'46"	40	3.9	UCAC2 29103517	13.16	13 <sup>h</sup> 02 <sup>m</sup> 45.514 <sup>s</sup> -7°51'51.499"	25.5	143	175.4	-29.4	91.7	40.5	52.5	137
2009/04/02 20:55:01	1110 Jaroslawa	14.5	17.08	5.62	220	0.8	37°42'01" 51°48'29"	27	1.4	UCAC2 38046880	11.47	6 <sup>h</sup> 35 <sup>m</sup> 08.371 <sup>s</sup> 17°59'54.836"	18.4	276	85.3	-34.2	10.7	28.9	53.1	164
2009/04/02 21:48:55	31783 KV9	6.3	18.57	6.50	142	0.6	34°27'36" 49°34'04"	248	1.0	TYC 491600028	12.07	10 <sup>h</sup> 40 <sup>m</sup> 38.029 <sup>s</sup> -3°16'24.898"	29.0	221	148.1	-34.9	56.9	20.6	53.6	193
2009/04/03 00:07:29	2853 Harvill	6.9	18.23	8.15	237	1.0	36°46'47" 47°56'24"	171	0.5	TYC 624300139	10.08	17 <sup>h</sup> 34 <sup>m</sup> 23.606 <sup>s</sup> -20°06'11.264"	13.8	147	109.2	-26.1	155.0	1.1	54.7	143
2009/04/03 02:36:50	38422 RJ226	6.6	19.44	7.79	243	0.6	34°16'04" 51°49'12"	324	0.7	TYC 568400650	11.65	18 <sup>h</sup> 10 <sup>m</sup> 11.967 <sup>s</sup> -12°39'37.036"	27.3	174	100.6	-5.6	158.8	-13.5	55.8	229
2009/04/04 00:42:38	686 Gersuind	41.1	14.15	3.19	190	1.4	35°41'22" 51°42'57"	347	4.3	TYC 573701115	11.02	19 <sup>h</sup> 53 <sup>m</sup> 40.788 <sup>s</sup> -13°30'05.371"	8.3	123	76.6	-21.6	170.9	0.7	66.1	130
2009/04/04 01:29:54	777 Gutem-berga	65.6	16.16	3.13	65	2.0	35°55'30" 50°34'50"	336	10.1	UCAC2 27763679	13.10	21 <sup>h</sup> 17 <sup>m</sup> 32.659 <sup>s</sup> -11°35'02.763"	4.7	114	56.2	-15.3	164.6	-5.5	66.4	250
2009/04/04 20:30:15	5192 Yabuki	27.5	15.56	2.02	199	2.0	35°33'41" 48°19'40"	195	3.3	UCAC2 34850343	13.72	14 <sup>h</sup> 00 <sup>m</sup> 32.328 <sup>s</sup> 8°30'09.742"	40.4	135	158.3	-32.3	71.9	42.9	74.6	178
2009/04/04 20:32:02	477 Italia	22.5	13.76	2.70	95	1.8	35°48'20" 49°15'28"	201	5.7	UCAC2 28735093	11.16	13 <sup>h</sup> 12 <sup>m</sup> 17.841 <sup>s</sup> -8°50'49.625"	28.6	157	174.9	-32.4	65.6	42.7	74.6	106
2009/04/04 21:15:43	46325 QZ130	8.3	19.06	7.87	166	0.5	34°56'50" 48°49'56"	215	1.1	UCAC2 38777018	11.19	6 <sup>h</sup> 57 <sup>m</sup> 20.402 <sup>s</sup> 19°50'18.350"	18.8	279	88.4	-34.0	31.4	36.4	74.9	221
2009/04/04 22:53:26	3763 Qianxuesen	10.5	15.48	3.64	223	2.9	35°26'33" 51°58'29"	344	0.2	UCAC2 38075697	11.88	10 <sup>h</sup> 14 <sup>m</sup> 03.159 <sup>s</sup> 17°55'17.983"	33.2	258	133.4	-31.8	14.9	21.3	75.8	87
2009/04/07 01:25:38	6862 Virgiliomarcon	17.4	17.17	3.92	97	1.5	36°07'42" 49°10'40"	187	3.0	UCAC2 16910544	13.28	18 <sup>h</sup> 18 <sup>m</sup> 12.631 <sup>s</sup> -35°05'17.081"	2.9	163	103.2	-14.8	107.5	3.5	92.3	208
2009/04/07 01:47:34	58299 PH3	5.8	19.59	7.66	228	1.2	39°27'40" 49°54'44"	94	0.6	TYC 737000331	11.93	17 <sup>h</sup> 19 <sup>m</sup> 24.800 <sup>s</sup> -34°38'26.615"	5.4	179	115.2	-11.7	95.2	0.0	92.5	241

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 (%)	$\sigma_{km}$
2009/04/07 18:59:47	550 Senta	37.8	15.16	3.99	239	1.1	37°31'26'' 52°03'12''	22	3.7	TYC 181601850	11.19	4 <sup>h</sup> 25 <sup>m</sup> 28.072 <sup>s</sup> 22°42'15.709''	16.6	286	50.3	-23.7	106.8	36.7	96.0	207
2009/04/07 20:06:09	2880 Ni-hondaira	18.5	17.30	4.10	149	1.9	34°29'48'' 49°22'04''	239	3.0	UCAC2 41362862	13.22	8 <sup>h</sup> 06 <sup>m</sup> 46.624 <sup>s</sup> 27°01'36.529''	44.3	260	100.0	-29.8	58.5	38.3	96.2	165
2009/04/07 23:43:06	6536 Vysochinska	6.6	16.90	5.45	57	0.7	36°21'52'' 50°33'16''	6	2.2	UCAC2 26710395	11.46	17 <sup>h</sup> 37 <sup>m</sup> 23.384 <sup>s</sup> −14°17'49.912''	18.5	143	113.4	-26.7	87.3	21.1	96.8	101
2009/04/08 19:08:48	4236 Lidov	32.7	17.81	4.67	214	0.8	38°54'51'' 50°59'38''	61	3.3	UCAC2 40637674	13.15	3 <sup>h</sup> 35 <sup>m</sup> 35.370 <sup>s</sup> 25°23'07.830''	9.3	299	39.1	-24.4	131.3	28.4	99.1	317
2009/04/09 02:46:47	13208 Frascetti	5.0	18.03	6.20	245	0.5	38°16'31'' 48°16'22''	144	0.2	UCAC2 25134773	11.84	17 <sup>h</sup> 42 <sup>m</sup> 52.469 <sup>s</sup> −17°46'26.368''	21.8	190	113.2	-2.1	73.5	-4.2	99.5	116
2009/04/09 19:42:02	14415 RQ7	8.7	19.45	10.78	102	0.8	37°16'45'' 50°42'45''	44	1.9	HIP 37067	8.67	7 <sup>h</sup> 37 <sup>m</sup> 02.719 <sup>s</sup> 21°09'48.554''	38.0	257	92.6	-27.2	89.8	22.0	99.8	147
2009/04/09 20:08:37	4140 Branham	34.7	16.95	4.29	227	1.3	35°20'33'' 48°06'17''	197	3.4	UCAC2 39108025	12.68	5 <sup>h</sup> 51 <sup>m</sup> 19.553 <sup>s</sup> 20°41'56.925''	16.5	283	68.0	-29.3	114.3	23.8	99.8	312
2009/04/09 22:18:59	10095 Johannlowe	10.0	18.38	4.84	169	0.6	36°59'24'' 51°30'01''	17	1.4	UCAC2 36098966	13.55	7 <sup>h</sup> 14 <sup>m</sup> 15.045 <sup>s</sup> 12°26'19.091''	2.7	286	88.3	-31.5	94.5	25.8	99.7	204
2009/04/09 23:49:54	135116 QD115	5.8	19.30	9.21	84	0.5	35°47'02'' 49°22'04''	205	1.0	TYC 138001013	10.09	8 <sup>h</sup> 07 <sup>m</sup> 49.044 <sup>s</sup> 17°54'13.884''	1.4	297	100.1	-25.3	84.2	20.4	99.7	206
2009/04/10 19:05:36	2058 Roka	21.4	17.54	4.96	61	0.9	36°01'04'' 49°31'46''	198	2.8	UCAC2 40151782	12.59	5 <sup>h</sup> 49 <sup>m</sup> 57.389 <sup>s</sup> 23°42'33.047''	27.9	274	66.8	-23.4	127.3	9.5	98.3	300
2009/04/10 20:00:54	29942 JJ77	7.9	17.14	7.74	126	0.6	35°13'46'' 49°09'07''	217	1.5	TYC 496200737	9.40	13 <sup>h</sup> 27 <sup>m</sup> 46.660 <sup>s</sup> −4°58'08.917''	30.6	149	175.9	-28.4	16.1	15.0	98.2	154
2009/04/10 21:07:30	3175 Netto	17.6	18.76	5.02	90	0.6	36°00'48'' 49°15'26''	193	4.0	UCAC2 39813042	13.75	5 <sup>h</sup> 57 <sup>m</sup> 30.316 <sup>s</sup> 22°50'27.680''	9.4	294	68.4	-31.6	126.5	19.6	98.1	147
2009/04/10 21:15:47	949 Hel	69.2	14.85	1.95	165	5.4	38°22'47'' 50°42'04''	64	10.1	UCAC2 39481657	13.10	7 <sup>h</sup> 53 <sup>m</sup> 29.024 <sup>s</sup> 21°41'44.131''	25.3	274	95.2	-31.8	100.1	20.0	98.1	154
2009/04/11 20:08:28	21558 Alison-liu	13.2	17.73	4.85	179	0.6	38°21'20'' 50°58'38''	55	1.8	UCAC2 41865141	12.89	6 <sup>h</sup> 32 <sup>m</sup> 39.684 <sup>s</sup> 28°36'41.231''	27.5	283	75.3	-28.6	131.5	7.4	94.6	204
2009/04/11 21:18:46	3509 Sanshui	12.6	17.41	4.77	114	1.1	36°30'40'' 49°02'11''	172	1.8	UCAC2 33564499	12.65	8 <sup>h</sup> 14 <sup>m</sup> 01.041 <sup>s</sup> 5°11'48.393''	15.1	260	102.2	-31.5	102.7	13.5	94.4	259
2009/04/12 19:53:24	2192 Pyatigoriya	30.6	17.45	5.65	249	1.3	35°35'49'' 47°51'18''	191	3.0	UCAC2 36613040	11.81	6 <sup>h</sup> 31 <sup>m</sup> 40.667 <sup>s</sup> 13°48'27.869''	18.3	270	75.1	-27.2	140.6	-2.5	89.4	235
2009/04/13 01:13:14	750 Oskar	20.6	17.01	4.68	13	1.7	36°18'49'' 50°09'58''	8	4.9	UCAC2 22336140	12.34	19 <sup>h</sup> 04 <sup>m</sup> 04.422 <sup>s</sup> −23°35'17.057''	11.8	152	98.5	-14.5	41.1	13.7	88.0	166
2009/04/13 01:43:35	5021 Krylamia	12.6	18.45	7.65	223	0.6	37°10'33'' 51°58'15''	17	1.4	TYC 633700410	10.81	20 <sup>h</sup> 30 <sup>m</sup> 09.125 <sup>s</sup> −19°11'55.419''	10.7	138	78.0	-10.3	61.3	12.2	87.9	240
2009/04/13 02:09:38	5650 Mochihito-o	14.5	15.90	2.40	15	6.9	36°05'41'' 50°06'15''	295	4.2	UCAC2 20194183	13.62	16 <sup>h</sup> 53 <sup>m</sup> 53.103 <sup>s</sup> −28°07'54.979''	10.5	195	127.5	-6.4	11.7	10.6	87.9	136
2009/04/13 18:00:41	3620 Platonov	12.0	17.72	4.23	20	1.2	36°11'06'' 49°53'01''	202	2.6	UCAC2 35570811	13.52	8 <sup>h</sup> 25 <sup>m</sup> 00.968 <sup>s</sup> 10°55'17.186''	47.0	213	102.0	-14.8	125.0	-27.0	83.3	184

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 (%)	$\sigma_{km}$
2009/04/13 20:53:36	106716 2000 WN174	5.2	19.44	8.72	74	0.5	35°52'18" 49°26'15"	204	0.7	TYC	10.73	15 <sup>h</sup> 44 <sup>m</sup> 21.223 <sup>s</sup> -9°36'35.893"	19.1	133	146.5	-30.2	22.3	-2.8	82.4	311
2009/04/13 21:02:07	922 Schlutia	15.1	17.60	4.73	76	0.6	35°50'14" 50°40'05"	335	2.6	UCAC2	12.88	6 <sup>h</sup> 19 <sup>m</sup> 42.567 <sup>s</sup> 16°27'42.594"	6.9	287	71.0	-30.4	156.3	-1.8	82.3	221
2009/04/13 23:53:09	604 Tekmessa	65.2	15.32	1.78	63	7.5	36°56'43" 50°25'31"	48	11.8	UCAC2	13.77	18 <sup>h</sup> 46 <sup>m</sup> 52.367 <sup>s</sup> -27°43'38.048"	2.7	141	103.6	-23.6	25.2	12.3	81.4	210
2009/04/14 01:43:41	9888 1995 CD	8.7	17.33	5.88	252	1.8	33°04'31" 49°08'58"	246	0.5	UCAC2	11.46	17 <sup>h</sup> 39 <sup>m</sup> 41.758 <sup>s</sup> -26°05'26.140"	14.0	180	118.7	-9.9	9.4	13.1	80.8	136
2009/04/14 02:32:24	6364 Casarini	11.5	16.31	4.83	252	1.5	36°33'36" 47°47'35"	176	0.6	UCAC2	11.49	15 <sup>h</sup> 21 <sup>m</sup> 39.417 <sup>s</sup> -29°22'44.286"	0.6	219	147.0	-2.7	21.8	11.2	80.6	131
2009/04/14 18:19:34	2115 Irakli	21.1	15.30	2.31	165	2.1	37°59'41" 51°03'28"	47	3.1	UCAC2	13.13	11 <sup>h</sup> 47 <sup>m</sup> 36.325 <sup>s</sup> -10°13'31.946"	26.7	155	154.3	-17.0	82.5	-32.3	75.5	153
2009/04/15 01:17:41	22101 2000 JG15	9.5	17.68	5.73	85	0.9	36°34'06" 50°47'34"	14	2.0	TYC	11.95	9 <sup>h</sup> 34 <sup>m</sup> 07.708 <sup>s</sup> 37°13'39.394"	14.0	312	107.0	-13.2	132.0	13.3	73.0	169
2009/04/15 17:50:11	2685 Ma-sursky	12.0	16.84	2.95	233	0.6	36°11'18" 52°08'35"	358	1.2	UCAC2	13.97	7 <sup>h</sup> 18 <sup>m</sup> 09.583 <sup>s</sup> 9°28'18.868"	38.7	231	84.1	-12.9	159.6	-44.1	67.0	244
2009/04/15 18:26:21	2156 Kate	22.7	17.44	5.90	148	0.9	37°39'30" 51°03'01"	41	3.7	TYC	11.55	7 <sup>h</sup> 05 <sup>m</sup> 43.461 <sup>s</sup> 27°36'09.952"	45.9	259	78.8	-17.5	171.3	-38.5	66.8	142
2009/04/16 19:43:14	402 Chloe	54.2	13.84	0.71	140	2.0	37°22'53" 51°05'52"	34	9.3	UCAC2	13.93	6 <sup>h</sup> 43 <sup>m</sup> 38.912 <sup>s</sup> 22°07'52.397"	25.5	275	73.3	-25.1	171.1	-32.7	57.2	146
2009/04/16 20:44:39	32170 2000 NU9	6.6	16.70	8.84	97	0.6	35°08'09" 49°35'09"	238	1.5	HIP	7.86	13 <sup>h</sup> 31 <sup>m</sup> 52.211 <sup>s</sup> -6°00'53.454"	33.4	168	175.3	-28.8	85.8	-23.0	56.8	128
2009/04/16 21:32:28	7143 Hara-mura	14.5	16.76	3.51	198	0.9	38°41'34" 50°56'46"	60	1.8	UCAC2	13.29	13 <sup>h</sup> 21 <sup>m</sup> 03.000 <sup>s</sup> -12°07'58.497"	27.9	185	175.1	-29.8	86.3	-15.7	56.5	179
2009/04/16 21:52:06	5770 1987 RY	12.0	16.78	3.94	49	0.9	36°38'56" 50°25'17"	32	2.6	UCAC2	12.86	14 <sup>h</sup> 07 <sup>m</sup> 14.546 <sup>s</sup> -12°34'21.317"	27.5	177	172.9	-29.6	75.8	-12.8	56.3	178
2009/04/16 23:00:47	2569 Made-line	28.1	15.83	3.62	259	2.6	35°07'14" 47°51'07"	199	1.7	UCAC2	12.25	15 <sup>h</sup> 31 <sup>m</sup> 39.194 <sup>s</sup> -10°00'30.884"	29.9	173	152.5	-26.8	57.9	-3.2	55.9	150
2009/04/17 16:30:51	17117 1999 JL58	9.1	18.34	7.77	141	1.5	35°44'02" 51°15'48"	344	1.5	TYC	10.57	10 <sup>h</sup> 52 <sup>m</sup> 19.966 <sup>s</sup> 13°50'09.196"	45.0	131	131.1	-0.8	139.5	-60.2	49.0	186
2009/04/17 16:34:35	1927 Suvanto	15.8	16.17	5.20	12	0.8	36°17'48" 50°09'05"	4	4.2	TYC	10.98	7 <sup>h</sup> 58 <sup>m</sup> 56.069 <sup>s</sup> 34°13'15.577"	72.4	211	87.3	-1.4	166.5	-60.1	49.0	150
2009/04/17 21:24:41	483 Seppina	69.6	14.70	1.16	99	4.1	36°30'19" 49°09'55"	171	11.6	UCAC2	13.99	7 <sup>h</sup> 46 <sup>m</sup> 27.343 <sup>s</sup> 8°05'01.965"	8.1	273	89.2	-29.4	166.1	-21.7	47.1	213
2009/04/18 16:34:34	2618 Coon-abarabran	32.6	17.32	3.77	249	3.6	34°06'21" 48°19'44"	219	2.8	UCAC2	13.59	11 <sup>h</sup> 11 <sup>m</sup> 24.522 <sup>s</sup> -8°02'03.242"	24.2	140	141.7	-1.2	137.5	-57.1	39.6	184
2009/04/18 18:59:09	7363 Esquibel	11.0	17.23	4.95	35	0.7	36°26'21" 50°20'46"	18	2.8	UCAC2	12.29	8 <sup>h</sup> 14 <sup>m</sup> 23.573 <sup>s</sup> 12°55'58.375"	38.3	240	94.1	-20.4	169.0	-47.1	38.6	155
2009/04/19 16:55:45	1240 Cente-naria	58.9	15.68	2.32	134	1.9	35°18'36" 49°01'36"	212	8.9	UCAC2	13.49	6 <sup>h</sup> 03 <sup>m</sup> 29.241 <sup>s</sup> 28°51'00.557"	48.8	257	61.3	-4.1	127.2	-52.0	30.1	219

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 (%)	$\sigma_{km}$
2009/04/19 18:37:09	1167 Dubiago	63.1	16.35	4.26	209	3.6	35°22'55" 48°15'47"	198	7.2	UCAC2 37350388	12.11	7 <sup>h</sup> 32 <sup>m</sup> 49.478 <sup>s</sup> 15°56'43.696"	37.3	248	82.7	-17.7	148.1	-49.4	29.5	231
2009/04/19 19:07:18	9840 RQ2	10.5	17.50	6.66	107	0.9	35°18'39" 49°19'34"	221	2.1	TYC 80900030	10.84	8 <sup>h</sup> 37 <sup>m</sup> 15.963 <sup>s</sup> 14°22'25.856"	41.0	239	98.2	-20.9	163.5	-46.8	29.3	158
2009/04/20 00:13:45	5904 Wurttemberg	8.7	17.29	5.41	119	0.7	35°50'16" 49°01'02"	196	1.7	UCAC2 23385745	11.89	14 <sup>h</sup> 50 <sup>m</sup> 23.016 <sup>s</sup> -21°05'00.406"	15.5	204	162.9	-19.4	100.6	-2.2	27.4	148
2009/04/20 23:13:03	12740 EX8	10.5	16.36	4.97	192	0.9	34°28'00" 48°47'38"	223	1.3	TYC 34600041	11.40	15 <sup>h</sup> 07 <sup>m</sup> 15.966 <sup>s</sup> 7°22'38.367"	47.2	190	153.7	-24.6	113.1	-14.4	19.3	220
2009/04/21 01:00:27	34409 RB95	5.2	19.44	8.41	30	0.9	35°54'42" 50°10'16"	297	1.0	TYC 739700903	11.03	18 <sup>h</sup> 23 <sup>m</sup> 41.487 <sup>s</sup> -32°09'42.922"	6.8	167	115.5	-13.5	65.7	2.6	18.6	210
2009/04/21 16:55:30	91 Aegina	109.8	13.89	2.08	98	3.2	36°53'17" 50°50'38"	26	21.9	TYC 186802312	11.99	6 <sup>h</sup> 02 <sup>m</sup> 44.158 <sup>s</sup> 25°13'58.913"	44.9	255	59.0	-3.6	102.2	-36.1	13.7	165
2009/04/21 16:55:30	91 Aegina	109.8	13.89	1.68	98	3.2	36°53'17" 50°50'38"	26	21.9	UCAC2 40656481	12.47	6 <sup>h</sup> 02 <sup>m</sup> 44.158 <sup>s</sup> 25°13'58.913"	44.9	255	59.0	-3.6	102.2	-36.1	13.7	165
2009/04/21 17:25:30	3450 Dommanget	10.5	16.56	2.73	76	0.9	37°01'46" 50°32'02"	44	2.5	UCAC2 28558762	13.92	14 <sup>h</sup> 33 <sup>m</sup> 46.276 <sup>s</sup> -9°06'21.850"	5.0	111	170.7	-7.9	128.8	-38.4	13.6	143
2009/04/21 18:25:23	2000 Herschel	18.6	15.52	1.89	223	0.5	34°28'01" 48°26'20"	216	1.4	UCAC2 39112422	13.84	6 <sup>h</sup> 08 <sup>m</sup> 13.646 <sup>s</sup> 20°39'41.236"	28.1	269	60.3	-15.7	103.0	-41.0	13.3	136
2009/04/21 23:07:46	2414 Vibeke	31.8	16.94	4.69	195	2.2	36°00'41" 51°47'17"	354	4.0	UCAC2 25768376	12.26	12 <sup>h</sup> 50 <sup>m</sup> 32.927 <sup>s</sup> -16°08'15.522"	14.8	220	163.0	-24.6	153.2	-17.3	11.9	196
2009/04/22 01:03:02	1031 Arctica	75.5	14.57	1.59	75	8.8	35°15'48" 49°53'02"	256	18.4	UCAC2 27508848	13.27	17 <sup>h</sup> 22 <sup>m</sup> 14.432 <sup>s</sup> -12°15'01.895"	27.8	182	130.4	-12.9	91.3	0.7	11.4	140
2009/04/22 20:36:01	32451 SP25	16.6	18.55	4.82	182	1.1	38°08'50" 51°10'58"	46	1.1	UCAC2 21103863	13.74	15 <sup>h</sup> 04 <sup>m</sup> 36.134 <sup>s</sup> -26°29'28.523"	9.1	153	159.6	-26.5	132.4	-33.4	6.6	579
2009/04/22 21:36:27	1819 Laputa	48.9	14.59	2.31	21	10.9	36°27'59" 50°12'05"	37	15.4	UCAC2 34131371	12.41	17 <sup>h</sup> 25 <sup>m</sup> 45.732 <sup>s</sup> 6°31'31.396"	29.9	119	126.0	-27.7	99.6	-29.0	6.4	124
2009/04/22 22:42:30	15103 AN204	6.9	17.39	6.18	213	0.6	38°57'26" 50°55'60"	63	0.6	UCAC2 30862389	11.22	13 <sup>h</sup> 16 <sup>m</sup> 01.379 <sup>s</sup> -2°58'37.966"	31.5	215	165.1	-25.8	163.3	-21.8	6.1	142
2009/04/23 16:59:16	26766 3052 P-L	6.0	19.52	7.57	240	0.6	34°13'12" 48°22'01"	218	0.6	UCAC2 37537524	11.95	8 <sup>h</sup> 56 <sup>m</sup> 42.952 <sup>s</sup> 16°03'02.068"	55.5	195	98.5	-3.7	117.1	-16.3	2.8	201
2009/04/23 19:33:08	583 Klotilde	81.6	14.41	1.16	47	3.2	36°17'16" 50°28'08"	0	18.1	UCAC2 37524474	13.71	7 <sup>h</sup> 13 <sup>m</sup> 36.348 <sup>s</sup> 16°05'51.155"	23.1	268	74.2	-22.1	91.9	-28.4	2.4	172
2009/04/23 20:02:44	16062 Buncher	5.0	17.05	6.82	93	0.8	35°59'19" 49°14'21"	193	1.3	TYC 503000080	10.23	15 <sup>h</sup> 50 <sup>m</sup> 12.839 <sup>s</sup> -7°22'40.354"	18.9	128	153.7	-24.4	136.3	-29.1	2.4	98
2009/04/23 20:18:10	26342 XM52	9.5	16.27	4.71	70	1.3	36°03'25" 49°26'02"	194	2.6	UCAC2 30551418	11.58	16 <sup>h</sup> 06 <sup>m</sup> 45.034 <sup>s</sup> -3°50'59.983"	21.8	126	148.8	-25.3	131.8	-29.1	2.3	122
2009/04/24 01:42:56	5321 Jagraas	8.3	17.20	5.70	38	1.1	36°49'12" 50°03'59"	87	2.4	UCAC2 27317351	11.50	16 <sup>h</sup> 50 <sup>m</sup> 51.798 <sup>s</sup> -12°38'34.914"	24.7	203	140.0	-6.9	125.2	1.6	1.7	132
2009/04/24 20:33:09	54650 SE315	11.5	17.49	6.42	183	1.6	36°53'10" 51°39'01"	14	1.5	TYC 550101236	11.07	11 <sup>h</sup> 11 <sup>m</sup> 38.192 <sup>s</sup> -9°35'07.079"	25.1	213	136.3	-25.7	141.4	-23.2	0.3	207

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 (%)	$\sigma_{km}$
2009/04/24 21:55:23	4650 Mori	6.9	17.00	4.67	58	0.7	35°38'47" 49°44'02"	233	2.1	TYC 553400375	12.34	12 <sup>h</sup> 44 <sup>m</sup> 14.473 <sup>s</sup> −12°49'29.850"	22.9	209	159.2	-26.8	163.4	-22.8	0.3	116
2009/04/24 23:12:23	14044 VS1	5.8	17.80	5.98	138	0.6	36°17'27" 48°48'24"	180	1.0	TYC 619900749	11.82	15 <sup>h</sup> 54 <sup>m</sup> 51.573 <sup>s</sup> −20°37'33.723"	19.4	179	153.8	-23.3	151.2	-18.4	0.2	128
2009/04/24 23:42:24	61945 RO13	5.0	19.14	7.31	18	0.5	36°27'45" 50°10'06"	43	0.9	UCAC2 22026956	11.83	16 <sup>h</sup> 12 <sup>m</sup> 29.268 <sup>s</sup> −24°16'15.771"	15.8	182	149.0	-20.9	147.1	-15.8	0.2	216
2009/04/25 16:55:36	3012 Minsk	64.1	16.90	4.56	248	1.4	34°32'27" 48°08'21"	210	6.0	UCAC2 40128978	12.36	2 <sup>h</sup> 10 <sup>m</sup> 47.652 <sup>s</sup> 23°34'23.379"	5.3	301	10.3	-2.7	6.6	6.3	0.6	310
2009/04/25 23:46:41	4010 Nikol'skij	8.3	16.76	4.85	151	4.7	38°19'51" 50°25'08"	74	1.3	UCAC2 18734145	11.92	17 <sup>h</sup> 35 <sup>m</sup> 15.025 <sup>s</sup> −31°10'37.968"	7.5	166	130.7	-20.1	143.1	-15.4	1.2	183
2009/04/26 18:31:05	377 Campa- nia	91.0	14.29	1.02	165	2.2	35°31'04" 48°39'21"	200	12.9	UCAC2 38206685	13.81	5 <sup>h</sup> 08 <sup>m</sup> 40.527 <sup>s</sup> 18°11'20.098"	12.7	283	41.5	-15.1	21.5	4.3	3.7	198
2009/04/26 19:01:26	5106 Mortensen	13.8	16.69	4.15	121	1.0	36°48'25" 51°04'59"	18	2.5	UCAC2 31017091	12.57	14 <sup>h</sup> 26 <sup>m</sup> 33.259 <sup>s</sup> −2°21'38.422"	27.5	134	168.4	-18.3	151.6	0.6	3.8	166
2009/04/26 19:51:11	20594 RP183	6.6	18.41	6.79	85	0.7	36°37'54" 50°46'30"	17	1.2	TYC 505200291	11.62	16 <sup>h</sup> 31 <sup>m</sup> 28.935 <sup>s</sup> −2°54'55.517"	17.1	117	145.1	-22.7	155.6	-4.9	4.0	199
2009/04/27 17:49:49	30108 FM16	6.3	17.11	5.81	250	0.6	35°47'14" 47°49'47"	188	0.6	TYC 553900945	11.30	13 <sup>h</sup> 02 <sup>m</sup> 08.622 <sup>s</sup> −10°05'19.029"	22.3	141	160.5	-9.7	125.9	20.2	9.2	223
2009/04/27 18:41:21	365 Corduba	105.9	14.50	1.55	201	2.5	37°02'50" 48°18'32"	164	12.7	UCAC2 36239356	13.25	5 <sup>h</sup> 03 <sup>m</sup> 50.113 <sup>s</sup> 12°49'21.109"	5.7	283	39.7	-16.0	14.2	12.9	9.4	206
2009/04/27 20:29:17	1665 Gaby	14.1	15.37	3.71	25	1.5	36°18'03" 49°49'15"	178	5.6	TYC 89200018	11.69	13 <sup>h</sup> 29 <sup>m</sup> 21.309 <sup>s</sup> 8°08'06.184"	48.2	176	154.4	-24.6	120.6	-0.7	9.9	98
2009/04/27 21:15:30	6031 Ryokan	15.8	16.05	2.92	38	1.5	36°17'08" 49°42'14"	180	3.9	UCAC2 34290777	13.21	13 <sup>h</sup> 18 <sup>m</sup> 13.064 <sup>s</sup> 7°01'10.290"	46.1	197	153.8	-26.0	118.6	-5.3	10.2	157
2009/04/27 21:40:57	1989 Tatry	12.6	16.12	2.89	171	1.5	38°38'02" 49°45'25"	101	1.5	UCAC2 37718080	13.31	10 <sup>h</sup> 13 <sup>m</sup> 42.525 <sup>s</sup> 16°49'02.458"	29.4	261	111.6	-26.1	74.2	-7.5	10.3	118
2009/04/27 22:37:20	12003 Hideo- sugai	12.0	17.83	4.08	193	1.2	38°19'41" 48°55'54"	130	1.5	UCAC2 18214473	13.78	16 <sup>h</sup> 36 <sup>m</sup> 37.154 <sup>s</sup> −32°27'44.773"	6.1	165	144.1	-24.5	172.7	-11.3	10.6	203
2009/04/28 01:40:31	2922 Dikan'ka	12.0	15.95	3.52	226	1.5	35°27'51" 48°05'31"	195	0.2	UCAC2 27110554	12.48	14 <sup>h</sup> 55 <sup>m</sup> 30.473 <sup>s</sup> −13°27'53.646"	11.1	233	171.8	-6.1	147.5	-11.2	11.5	88
2009/04/28 01:57:46	26339 XT3	5.2	18.64	7.22	64	3.2	37°10'43" 50°00'21"	94	1.2	TYC 684700224	11.42	18 <sup>h</sup> 15 <sup>m</sup> 26.641 <sup>s</sup> −24°43'52.282"	15.0	188	124.2	-3.6	163.1	-10.2	11.3	155
2009/04/28 20:41:30	17580 VV	7.9	17.34	5.41	248	0.7	32°50'58" 50°23'22"	279	0.5	UCAC2 21772395	11.94	11 <sup>h</sup> 58 <sup>m</sup> 32.782 <sup>s</sup> −24°45'04.350"	12.3	202	144.1	-24.8	101.7	5.4	18.0	149
2009/04/28 22:20:04	3419 Guth	33.0	16.26	3.58	250	3.7	37°28'36" 47°56'25"	160	3.0	UCAC2 41370790	12.72	11 <sup>h</sup> 06 <sup>m</sup> 47.047 <sup>s</sup> 27°04'22.771"	38.4	268	116.5	-24.9	67.5	-5.5	18.7	201
2009/04/30 00:14:44	3104 Durer	22.3	16.35	2.52	237	1.9	33°31'26" 48°54'37"	237	2.0	UCAC2 35048335	13.95	17 <sup>h</sup> 13 <sup>m</sup> 52.620 <sup>s</sup> 9°24'15.605"	49.6	179	132.6	-16.1	136.5	-11.7	29.4	168
2009/04/30 00:16:50	3099 Hergen- rother	17.4	15.97	2.26	245	2.2	38°00'56" 48°09'36"	150	1.5	UCAC2 15615540	13.85	18 <sup>h</sup> 25 <sup>m</sup> 55.364 <sup>s</sup> −38°24'24.509"	0.2	166	123.1	-15.9	163.1	-11.9	29.5	175

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	Phase (%)	$\sigma_{km}$		
2009/04/30 00:22:38	19207 Q51	7.6	17.00	5.68	127	0.7	36°39'47'' 51°09'45''	12	1.4 2.3	TYC 30700721	11.33	13 <sup>h</sup> 39 <sup>m</sup> 55.415 <sup>s</sup> 1°25'51.606''	22.9	243	159.8	-15.3	-12.3	29.5	132	
2009/04/30 20:56:59	1156 Kira	11.0	15.65	3.02	127	1.6	35°22'56'' 49°04'15''	211	2.0 4.3	UCAC2 23895402	12.70	16 <sup>h</sup> 25 <sup>m</sup> 25.608 <sup>s</sup> −20°18'32.302''	12.5	145	152.6	-24.7	130.4	16.2	38.8	102
2009/04/30 22:26:51	893 Leopold-ina	76.1	14.75	1.35	37	12.8	35°58'49'' 49°46'37''	216	19.2 19.8	UCAC2 31037539	13.77	17 <sup>h</sup> 55 <sup>m</sup> 48.001 <sup>s</sup> −2°23'02.266''	28.9	137	128.4	-24.0	144.1	3.1	39.5	152