

## 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: 122

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 (%)	$\sigma_{km}$	
2009/03/01 15:59:13	2862 Vavilov	9.1	16.43	5.89	22	0.8	36°14'34" 50°14'30"	352	3.5	TYC	10.55	5 <sup>h</sup> 36 <sup>m</sup> 09.346 <sup>s</sup> 19°04'05.878"	103.2	165	103.2	-7.7	48.3	43.8	22.1	100	
2009/03/01 16:50:40	18582 1997 XK9	7.9	15.69	4.43	54	0.9	36°51'23" 50°22'07"	49	2.7	UCAC2	11.28	8 <sup>h</sup> 56 <sup>m</sup> 19.443 <sup>s</sup> -25°07'18.027"	137.2	140	137.2	-15.9	107.5	36.5	22.4	101	
2009/03/01 17:14:13	50850 2000 FX46	7.2	19.23	7.32	96	0.6	36°07'12" 50°54'05"	353	1.1	UCAC2	11.92	5 <sup>h</sup> 06 <sup>m</sup> 55.452 <sup>s</sup> 24°29'37.924"	96.8	215	96.8	-19.7	40.4	33.0	22.6	236	
2009/03/01 18:09:32	3080 Moiseiev	15.1	16.27	4.00	136	1.0	36°41'43" 48°51'34"	168	2.2	UCAC2	12.30	11 <sup>h</sup> 28 <sup>m</sup> 30.129 <sup>s</sup> 23°38'18.623"	161.3	94	161.3	-28.1	120.9	24.5	22.9	229	
2009/03/01 19:13:10	4327 Ries	14.7	17.42	4.51	170	1.1	36°16'44" 48°31'20"	180	2.1	UCAC2	12.92	12 <sup>h</sup> 48 <sup>m</sup> 17.288 <sup>s</sup> 16°21'15.787"	149.9	96	149.9	-36.8	138.0	14.8	23.3	173	
2009/03/01 21:04:05	13271 1998 QZ35	5.8	18.90	7.06	182	0.7	33°52'55" 49°32'49"	252	0.8	TYC	11.84	6 <sup>h</sup> 04 <sup>m</sup> 04.699 <sup>s</sup> 30°49'57.619"	109.4	271	109.4	-46.5	50.8	-0.7	24.1	172	
2009/03/02 15:30:54	51831 2001 OT44	6.9	18.48	6.79	237	1.5	33°03'28" 49°36'59"	258	0.7	TYC	11.69	6 <sup>h</sup> 54 <sup>m</sup> 59.515 <sup>s</sup> 24°40'11.833"	120.4	121	120.4	-2.9	52.2	57.4	31.6	189	
2009/03/02 15:36:44	37357 2001 TD196	6.6	18.36	8.79	159	0.5	36°41'58" 51°27'12"	11	1.0	TYC	9.57	9 <sup>h</sup> 09 <sup>m</sup> 54.264 <sup>s</sup> 15°22'38.368"	153.2	98	153.2	-3.8	85.0	56.8	31.7	187	
2009/03/02 17:22:00	2000 Herschel	18.6	14.87	2.34	157	0.7	37°24'17" 51°16'17"	30	2.1	UCAC2	12.66	4 <sup>h</sup> 06 <sup>m</sup> 33.305 <sup>s</sup> 26°58'21.261"	82.7	243	82.7	-20.6	13.4	43.0	32.5	99	
2009/03/02 17:26:24	208 Lacrimosa	41.3	13.37	2.23	263	5.2	36°23'52" 47°41'14"	178	1.4	TYC	11.29	8 <sup>h</sup> 51 <sup>m</sup> 27.545 <sup>s</sup> 19°27'34.884"	147.7	126	147.7	-21.3	78.4	42.3	32.5	123	
2009/03/02 23:41:13	2535 Hameenlinna	10.5	16.37	3.18	40	0.8	36°50'16" 50°07'43"	77	3.5	UCAC2	13.25	5 <sup>h</sup> 33 <sup>m</sup> 22.066 <sup>s</sup> 19°29'13.359"	101.3	297	101.3	-40.8	30.0	-8.6	35.2	112	
2009/03/03 00:57:00	4508 Takatsuki	6.6	17.37	5.68	121	3.2	37°25'39" 50°51'11"	42	1.3	TYC	11.70	6 <sup>h</sup> 52 <sup>m</sup> 49.058 <sup>s</sup> 24°20'55.770"	119.6	299	119.6	-31.5	46.5	-13.9	35.6	109	
2009/03/03 01:13:59	7746 1987 RC1	13.8	17.33	3.46	93	1.1	37°14'36" 50°36'42"	47	2.7	UCAC2	13.91	15 <sup>h</sup> 56 <sup>m</sup> 29.687 <sup>s</sup> -20°33'59.584"	101.2	157	101.2	-29.1	172.9	-14.6	36.0	179	
2009/03/03 03:21:41	6886 Grote	13.2	17.70	6.26	69	0.6	35°48'13" 49°30'26"	210	2.4	TYC	11.44	17 <sup>h</sup> 54 <sup>m</sup> 08.580 <sup>s</sup> -19°11'23.712"	74.0	159	74.0	-9.2	147.3	-14.8	36.9	208	
2009/03/03 18:18:09	4744 1988 RF5	20.0	16.54	3.42	170	0.9	35°10'18" 48°42'01"	208	2.8	UCAC2	13.17	3 <sup>h</sup> 39 <sup>m</sup> 02.798 <sup>s</sup> 29°43'50.955"	76.5	267	76.5	-28.8	8.3	45.3	43.8	192	
2009/03/03 18:45:16	14666 1999 CG17	11.0	18.01	6.92	92	0.8	35°59'35" 50°51'19"	347	2.0	UCAC2	11.09	5 <sup>h</sup> 11 <sup>m</sup> 29.370 <sup>s</sup> 18°57'19.584"	95.3	242	95.3	-32.6	15.1	41.2	44.0	199	
2009/03/03 18:56:24	174 Phaedra	69.2	14.66	5.74	177	2.0	36°05'36" 48°27'47"	184	4.4	HIP 8045	8.92	1 <sup>h</sup> 43 <sup>m</sup> 18.381 <sup>s</sup> 21°30'01.139"	49.3	289	49.3	-34.1	34.6	39.5	44.1	88	
2009/03/04 00:58:57	15694 1985 RR3	7.9	17.56	6.41	231	0.5	39°09'36" 51°02'32"	62	0.7	TYC	11.15	11 <sup>h</sup> 05 <sup>m</sup> 29.698 <sup>s</sup> 4°15'19.477"	177.3	237	177.3	-30.9	96.1	-7.9	46.9	165	
2009/03/04 02:55:04	50171 2000 AA159	5.0	18.21	6.35	140	1.0	38°01'36" 49°29'20"	117	0.9	TYC	11.86	14 <sup>h</sup> 22 <sup>m</sup> 27.359 <sup>s</sup> 5°15'27.318"	129.5	215	129.5	-13.2	135.1	-13.5	47.7	142	
2009/03/04 18:39:59	3260 Vizbor	18.1	16.60	5.59	67	1.3	36°12'59" 49°26'34"	184	5.4	TYC	11.01	5 <sup>h</sup> 19 <sup>m</sup> 35.329 <sup>s</sup> 19°04'46.207"	96.2	239	96.2	-31.6	7.9	51.9	55.3	111	

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 (%)	$\sigma_{km}$
2009/03/04 18:45:03	12282 Crombecq	8.7	16.18	5.10	212	1.0	37°59'36" 51°37'22"	35	0.5	TYC 82500498	11.09	9 <sup>h</sup> 17 <sup>m</sup> 34.327 <sup>s</sup> 14°17'35.916"	51.2	150	153.1	-32.3	57.4	51.2	55.3	112
2009/03/04 18:57:44	46087 EQ11	6.6	16.87	5.25	154	0.7	35°10'21" 48°51'49"	211	1.0	TYC 141601430	11.63	9 <sup>h</sup> 41 <sup>m</sup> 36.303 <sup>s</sup> 21°03'26.243"	56.4	141	155.5	-33.9	60.2	49.3	55.4	138
2009/03/04 19:18:26	444 Ggyptis	159.6	12.57	0.59	120	11.6	37°18'53" 50°54'03"	38	31.2	UCAC2 32701725	12.92	9 <sup>h</sup> 43 <sup>m</sup> 24.001 <sup>s</sup> 2°57'02.356"	40.9	157	160.2	-36.5	67.8	46.2	55.6	138
2009/03/04 21:29:00	2679 Kittis-vaara	13.8	14.96	5.56	85	1.4	35°19'52" 49°36'13"	234	3.6	TYC 492000758	9.41	10 <sup>h</sup> 53 <sup>m</sup> 06.116 <sup>s</sup> −5°31'58.976"	34.6	178	168.1	-46.2	85.9	26.2	56.6	118
2009/03/05 03:03:30	16707 1995 QP10	6.0	17.93	6.01	6	0.5	36°20'47" 50°05'06"	46	1.5	UCAC2 32707823	11.93	12 <sup>h</sup> 35 <sup>m</sup> 28.435 <sup>s</sup> 2°32'50.526"	23.0	244	156.7	-11.5	101.6	-11.3	59.2	158
2009/03/05 03:11:04	494 Virtus	85.5	14.44	2.80	120	3.9	34°54'27" 49°26'19"	235	15.5	UCAC2 21146179	11.73	17 <sup>h</sup> 25 <sup>m</sup> 15.454 <sup>s</sup> −26°04'25.332"	12.9	167	82.4	-10.3	176.9	-11.6	59.3	171
2009/03/05 03:31:09	1082 Pirola	43.0	16.18	2.49	242	1.7	37°10'14" 52°09'01"	15	4.1	UCAC2 23193047	13.81	17 <sup>h</sup> 57 <sup>m</sup> 15.762 <sup>s</sup> −21°41'14.829"	16.8	163	75.2	-7.0	173.4	-12.4	59.5	200
2009/03/05 15:36:01	1142 Aetolia	28.8	15.38	2.61	224	3.9	36°02'56" 52°03'04"	356	2.8	UCAC2 38432366	12.88	8 <sup>h</sup> 33 <sup>m</sup> 02.865 <sup>s</sup> 18°40'57.338"	36.9	106	140.8	-2.9	33.6	62.4	65.0	163
2009/03/05 16:19:17	1514 Ricouxa	10.0	15.96	4.62	234	0.8	36°21'17" 52°08'44"	1	0.4	TYC 84800235	11.35	11 <sup>h</sup> 11 <sup>m</sup> 00.157 <sup>s</sup> 7°53'45.220"	10.5	90	177.5	-9.9	72.7	65.7	65.4	112
2009/03/05 17:41:31	4383 Suruga	7.6	17.60	8.50	51	0.7	36°23'42" 50°29'58"	9	2.1	TYC 187100529	9.10	5 <sup>h</sup> 55 <sup>m</sup> 05.727 <sup>s</sup> 27°05'53.576"	64.0	215	103.7	-22.8	4.9	65.0	66.0	135
2009/03/05 21:14:11	15069 1999 AU21	7.2	18.47	6.80	114	1.8	35°52'14" 49°03'22"	195	1.3	TYC 134200874	11.67	6 <sup>h</sup> 44 <sup>m</sup> 00.281 <sup>s</sup> 21°29'07.879"	37.0	259	114.9	-45.4	6.3	37.4	67.5	173
2009/03/05 23:44:25	14700 John-reid	8.3	16.28	5.54	9	0.8	36°23'20" 50°05'19"	58	2.6	TYC 83800671	10.75	10 <sup>h</sup> 32 <sup>m</sup> 51.903 <sup>s</sup> 8°11'08.082"	37.7	230	171.3	-39.3	59.5	14.7	68.8	127
2009/03/06 04:02:45	14625 1998 UH31	12.6	17.45	4.34	253	2.1	34°04'47" 48°17'47"	219	1.0	UCAC2 27115476	13.13	15 <sup>h</sup> 49 <sup>m</sup> 58.723 <sup>s</sup> −13°24'40.247"	23.4	205	107.2	-1.6	137.4	-12.5	70.7	177
2009/03/06 18:06:37	16261 2000 JF18	11.5	17.06	3.39	43	1.0	35°56'24" 49°44'01"	215	2.8	UCAC2 32366276	13.72	9 <sup>h</sup> 16 <sup>m</sup> 27.000 <sup>s</sup> 1°55'42.372"	37.0	146	151.7	-26.3	35.7	64.1	76.6	157
2009/03/06 19:02:41	2522 Triglav	20.5	16.84	3.66	235	2.5	37°47'49" 51°56'12"	27	2.1	UCAC2 38939946	13.22	6 <sup>h</sup> 05 <sup>m</sup> 56.948 <sup>s</sup> 20°15'02.538"	49.5	236	105.2	-34.0	18.1	61.2	77.0	211
2009/03/06 23:22:23	54253 2000 JP27	6.6	18.67	7.38	16	0.7	36°26'46" 50°08'41"	46	1.5	TYC 554700818	11.29	13 <sup>h</sup> 16 <sup>m</sup> 48.231 <sup>s</sup> −11°46'16.506"	28.0	172	144.1	-41.1	90.8	25.0	78.8	173
2009/03/07 04:06:22	19848 Ye-ungchuchiu	15.1	17.81	5.14	172	0.5	34°29'56" 49°01'27"	228	2.0	UCAC2 20264300	12.68	18 <sup>h</sup> 57 <sup>m</sup> 11.697 <sup>s</sup> −28°05'59.282"	9.7	161	64.1	-0.7	167.7	-11.7	80.7	234
2009/03/07 20:18:57	4353 Onizaki	11.0	15.76	2.33	11	1.6	36°20'03" 50°08'34"	18	3.4	UCAC2 34290782	13.56	13 <sup>h</sup> 18 <sup>m</sup> 18.882 <sup>s</sup> 7°15'32.338"	28.9	116	148.8	-41.6	71.8	55.8	86.4	127
2009/03/07 21:11:21	11424 1999 LZ24	12.6	15.89	4.33	188	1.7	36°23'54" 51°44'12"	2	1.1	UCAC2 44135213	11.58	9 <sup>h</sup> 39 <sup>m</sup> 29.129 <sup>s</sup> 35°05'29.318"	71.7	222	142.9	-44.6	22.3	50.0	86.8	115
2009/03/08 19:03:20	34868 2001 TB136	12.6	16.71	4.30	90	1.2	37°00'24" 50°42'39"	35	2.6	UCAC2 32199447	12.43	9 <sup>h</sup> 32 <sup>m</sup> 57.672 <sup>s</sup> 1°08'11.883"	39.7	161	153.9	-33.4	14.1	53.8	93.1	170

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 (%)	$\sigma_{km}$
2009/03/08 20:43:07	28990 ML27	8.7	18.27	6.48	156	0.9	37°01'20" 48°43'32"	160	1.2	UCAC2 36615423	11.79	6 <sup>h</sup> 38 <sup>m</sup> 24.507 <sup>s</sup> 13°31'41.322"	33.1	250	110.9	-42.9	39.8	53.0	93.4	211
2009/03/08 23:13:50	5582 CU8	10.5	16.69	6.49	74	1.0	36°46'21" 50°38'07"	28	2.5	TYC 494100084	10.20	12 <sup>h</sup> 20 <sup>m</sup> 40.716 <sup>s</sup> −1°07'31.450"	38.7	188	163.2	-41.0	45.1	36.2	94.1	147
2009/03/09 00:38:29	6329 Hikone- jyo	7.2	17.06	5.78	121	0.6	36°39'11" 51°06'43"	12	1.4	TYC 562100654	11.29	16 <sup>h</sup> 19 <sup>m</sup> 14.135 <sup>s</sup> −12°25'27.026"	21.6	146	103.2	-31.9	104.1	23.3	94.4	110
2009/03/09 02:53:51	1214 Richilde	35.3	15.43	2.87	15	4.0	36°28'03" 49°58'37"	121	10.5	UCAC2 23629390	12.63	12 <sup>h</sup> 52 <sup>m</sup> 26.266 <sup>s</sup> −20°54'52.105"	4.8	229	145.5	-11.7	58.7	2.0	94.9	132
2009/03/09 15:54:22	2267 Agassiz	16.0	17.34	5.57	132	2.3	36°31'47" 48°52'13"	172	2.7	TYC 140101473	11.78	9 <sup>h</sup> 08 <sup>m</sup> 49.381 <sup>s</sup> 16°24'57.986"	34.9	107	145.6	-4.8	15.4	20.8	97.2	101
2009/03/09 16:24:26	3509 Sanshui	12.6	16.83	4.98	117	1.7	35°07'03" 49°19'22"	226	2.0	UCAC2 32529771	11.86	8 <sup>h</sup> 08 <sup>m</sup> 02.166 <sup>s</sup> 2°23'00.587"	35.3	139	132.1	-9.7	30.3	25.2	97.3	216
2009/03/09 17:01:26	27669 MQ4	10.5	17.46	4.40	121	4.9	37°23'16" 50°52'34"	40	1.9	UCAC2 35924513	13.08	7 <sup>h</sup> 49 <sup>m</sup> 36.553 <sup>s</sup> 11°31'22.427"	48.9	152	127.5	-15.6	33.9	30.5	97.4	166
2009/03/09 22:14:14	6125 1989 CN	6.0	17.20	5.65	30	0.6	36°29'37" 50°16'40"	30	2.2	TYC 83200484	11.56	9 <sup>h</sup> 59 <sup>m</sup> 55.375 <sup>s</sup> 12°28'01.400"	46.3	221	158.4	-43.9	6.6	44.1	98.2	104
2009/03/10 02:35:14	3234 Hergiani	30.0	18.40	4.92	265	5.4	38°24'15" 52°01'01"	35	2.5	UCAC2 27108733	13.49	14 <sup>h</sup> 24 <sup>m</sup> 55.982 <sup>s</sup> −13°23'46.629"	22.5	208	131.2	-14.3	62.0	8.0	98.7	198
2009/03/10 17:25:16	5274 Degewij	11.5	17.59	4.97	209	0.8	34°40'00" 48°29'59"	214	1.3	UCAC2 44106315	12.63	5 <sup>h</sup> 23 <sup>m</sup> 58.220 <sup>s</sup> 35°28'03.119"	66.8	241	92.3	-19.0	83.5	21.8	99.7	178
2009/03/10 19:22:00	3106 Mora- bito	22.9	15.58	2.29	21	2.6	36°26'33" 50°12'28"	32	5.5	UCAC2 40350785	13.43	9 <sup>h</sup> 34 <sup>m</sup> 07.651 <sup>s</sup> 24°27'50.302"	63.9	163	146.4	-35.1	31.0	35.9	99.8	166
2009/03/10 19:35:49	13520 Feli- cieurop	7.6	16.53	6.44	127	0.9	37°29'18" 50°53'25"	42	1.4	TYC 553001032	10.09	12 <sup>h</sup> 31 <sup>m</sup> 50.499 <sup>s</sup> −11°41'52.469"	14.9	130	157.0	-36.6	25.9	37.2	99.8	112
2009/03/10 20:16:44	1747 Wright	6.3	16.67	4.82	81	0.6	35°57'12" 49°20'57"	197	1.8	TYC 12901704	11.86	5 <sup>h</sup> 57 <sup>m</sup> 48.692 <sup>s</sup> 6°30'16.702"	24.2	250	98.8	-40.4	77.0	40.1	99.8	92
2009/03/10 22:52:00	29557 1998 DV3	6.3	17.61	5.60	131	0.8	35°06'34" 49°08'54"	220	1.2	TYC 83100307	12.02	9 <sup>h</sup> 52 <sup>m</sup> 16.000 <sup>s</sup> 12°04'11.667"	40.1	235	155.7	-41.8	22.4	38.8	99.9	145
2009/03/11 02:56:11	2591 Dworet- sky	17.4	17.02	3.96	36	0.6	36°37'44" 50°17'02"	43	3.4	UCAC2 21859649	13.09	18 <sup>h</sup> 40 <sup>m</sup> 07.614 <sup>s</sup> −24°34'54.594"	10.6	152	71.4	-10.6	108.3	7.4	99.9	199
2009/03/11 15:48:32	145 Adeona	151.1	12.81	1.48	239	7.3	36°48'15" 47°55'28"	171	10.1	UCAC2 41497143	11.65	4 <sup>h</sup> 52 <sup>m</sup> 41.131 <sup>s</sup> 27°53'09.189"	66.9	202	84.1	-3.4	103.3	-4.7	99.5	134
2009/03/11 18:26:11	4663 1984 SM1	28.8	17.93	5.01	228	1.7	38°44'36" 51°22'36"	50	3.1	UCAC2 45140561	12.93	5 <sup>h</sup> 18 <sup>m</sup> 11.944 <sup>s</sup> 38°11'28.534"	57.6	265	90.3	-27.7	98.9	18.4	99.3	225
2009/03/11 19:28:19	977 Philippa	65.7	14.92	2.38	145	25.0	38°16'26" 49°48'34"	101	10.9	UCAC2 44655115	12.67	7 <sup>h</sup> 38 <sup>m</sup> 42.177 <sup>s</sup> 36°40'40.328"	68.7	240	117.9	-35.4	72.0	25.9	99.3	154
2009/03/11 21:29:56	43531 2001 DC71	5.0	19.10	7.20	149	0.7	37°26'07" 48°56'29"	146	0.8	UCAC2 35738025	11.90	7 <sup>h</sup> 21 <sup>m</sup> 19.227 <sup>s</sup> 11°00'25.253"	28.7	252	118.4	-43.5	70.6	34.9	99.1	196
2009/03/11 22:07:25	11078 1992 WH2	11.0	17.74	3.78	145	1.4	35°51'12" 48°46'36"	192	1.7	UCAC2 35718949	13.99	6 <sup>h</sup> 24 <sup>m</sup> 07.643 <sup>s</sup> 11°25'05.359"	14.0	271	104.4	-43.3	84.9	35.6	99.1	189

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 (%)	$\sigma_{km}$
2009/03/11 23:31:38	19657 1999 RE123	5.5	17.48	5.46	204	2.1	39°05'35" 50°24'41"	79	0.4	TYC 673600419	12.03	14 <sup>h</sup> 26 <sup>m</sup> 27.344 <sup>s</sup> −24°31'24.795"	13.9	163	128.5	-38.3	39.4	33.0	98.9	111
2009/03/12 15:29:45	3896 Porde- none	18.2	17.13	4.59	40	0.8	36°20'10" 50°24'33"	5	3.3 3.4	UCAC2 37485072	12.56	4 <sup>h</sup> 27 <sup>m</sup> 15.702 <sup>s</sup> 16°27'49.837"	55.2	201	75.7	-0.1	123.2	-19.5	97.0	215
2009/03/12 20:03:13	1123 Shapleya	15.1	15.70	1.97	45	1.2	36°33'40" 50°24'58"	26	4.7 5.1	UCAC2 41862995	13.92	6 <sup>h</sup> 24 <sup>m</sup> 44.690 <sup>s</sup> 28°50'12.713"	46.1	261	103.1	-38.6	99.1	19.2	96.2	119
2009/03/13 01:47:40	32330 2000 QK64	6.9	19.42	7.56	154	0.6	37°41'05" 51°06'24"	40	0.9 1.2	UCAC2 23660584	11.86	17 <sup>h</sup> 02 <sup>m</sup> 59.976 <sup>s</sup> −20°38'28.373"	16.9	159	95.8	-20.6	59.5	19.6	95.2	235
2009/03/13 16:44:43	1102 Pepita	39.3	15.28	4.93	193	1.0	36°22'29" 48°18'52"	178	4.8 7.0	TYC 63300939	10.36	2 <sup>h</sup> 06 <sup>m</sup> 11.698 <sup>s</sup> 10°38'07.251"	22.7	259	40.0	-11.9	169.8	-19.5	92.0	222
2009/03/13 18:16:26	50981 2000 GL93	5.8	19.47	9.39	95	0.6	36°44'08" 50°50'59"	20	1.0 1.1	TYC 242101031	10.08	6 <sup>h</sup> 22 <sup>m</sup> 36.223 <sup>s</sup> 30°10'55.457"	62.2	235	101.7	-25.7	112.0	-5.6	91.7	215
2009/03/13 20:29:21	5817 Robert- frazer	10.0	15.68	2.72	139	1.0	34°31'35" 50°35'45"	296	1.6 3.7	UCAC2 41709717	13.05	8 <sup>h</sup> 36 <sup>m</sup> 18.617 <sup>s</sup> 28°02'28.900"	60.5	232	130.4	-40.2	84.4	12.0	91.1	107
2009/03/13 22:29:12	15631 Del- lorusso	11.0	17.60	5.21	61	0.8	36°51'59" 49°38'32"	137	2.1 2.2	UCAC2 35889683	12.40	6 <sup>h</sup> 03 <sup>m</sup> 34.849 <sup>s</sup> 11°34'44.205"	6.1	281	97.4	-41.8	116.0	22.1	90.6	197
2009/03/13 22:29:12	15631 Del- lorusso	11.0	17.60	5.81	61	0.8	36°51'59" 49°38'32"	137	2.1 2.2	TYC 72502072	11.80	6 <sup>h</sup> 03 <sup>m</sup> 34.849 <sup>s</sup> 11°34'44.205"	6.1	281	97.4	-41.8	116.0	22.1	90.6	197
2009/03/14 21:51:34	3175 Netto	17.6	18.40	4.64	65	0.8	36°06'43" 49°28'36"	191	4.8 5.5	UCAC2 39622491	13.78	5 <sup>h</sup> 08 <sup>m</sup> 02.494 <sup>s</sup> 22°13'41.156"	10.9	292	83.7	-42.4	143.0	11.4	84.0	128
2009/03/15 01:33:30	434 Hungaria	19.0	15.28	2.16	16	0.6	36°11'36" 50°10'57"	336	6.1 6.2	UCAC2 31212960	13.28	19 <sup>h</sup> 02 <sup>m</sup> 21.455 <sup>s</sup> −1°36'57.331"	21.4	121	69.3	-22.0	67.3	18.5	82.8	122
2009/03/15 19:38:38	1762 Russell	14.5	16.30	3.39	26	1.4	36°04'33" 49°51'34"	216	4.1 4.2	UCAC2 35755462	12.96	10 <sup>h</sup> 08 <sup>m</sup> 07.883 <sup>s</sup> 11°19'56.797"	51.0	168	154.8	-35.2	82.8	-14.2	76.8	137
2009/03/16 02:23:27	29216 1991 VX5	10.0	17.00	6.78	41	1.1	35°48'45" 49°50'11"	235	2.6 2.7	TYC 31401170	10.22	13 <sup>h</sup> 47 <sup>m</sup> 25.485 <sup>s</sup> 5°17'26.779"	34.7	230	148.9	-14.1	38.7	15.1	74.4	150
2009/03/16 15:40:36	14177 1998 VU29	8.3	17.33	5.47	107	2.4	37°04'13" 50°52'19"	31	1.7 2.2	TYC 22301204	11.87	8 <sup>h</sup> 41 <sup>m</sup> 22.747 <sup>s</sup> 5°54'03.601"	32.4	124	133.9	-0.8	110.1	-58.4	69.7	151
2009/03/16 18:15:55	5573 1981 QX	6.9	18.44	7.22	53	0.8	36°53'45" 50°18'48"	56	1.5 1.6	UCAC2 35207982	11.22	8 <sup>h</sup> 34 <sup>m</sup> 01.415 <sup>s</sup> 9°37'14.094"	49.7	174	131.6	-24.8	114.8	-36.3	68.6	172
2009/03/16 19:34:55	6818 Sessyu	5.5	17.44	6.34	107	0.7	37°24'31" 50°41'24"	48	1.2 2.0	UCAC2 41357530	11.10	7 <sup>h</sup> 23 <sup>m</sup> 34.120 <sup>s</sup> 27°28'42.825"	56.0	241	112.2	-34.5	136.7	-24.1	68.1	107
2009/03/16 20:16:41	4466 Abai	12.0	16.40	3.54	222	1.0	37°49'48" 51°47'01"	30	1.0 3.4	UCAC2 33225121	12.91	11 <sup>h</sup> 20 <sup>m</sup> 10.994 <sup>s</sup> 4°19'29.058"	42.7	159	172.9	-38.3	76.3	-17.9	67.9	143
2009/03/16 22:19:44	2498 Tsese- vich	13.2	17.70	4.17	34	0.9	35°55'17" 49°51'27"	231	2.6 2.6	UCAC2 40317748	13.55	5 <sup>h</sup> 54 <sup>m</sup> 40.440 <sup>s</sup> 24°21'30.897"	14.1	291	92.5	-41.0	157.4	-1.4	67.1	199
2009/03/16 23:29:28	6982 1993 UA3	10.0	16.95	5.32	128	0.8	34°48'56" 49°24'07"	236	1.9 2.9	UCAC2 28200813	11.64	12 <sup>h</sup> 35 <sup>m</sup> 50.208 <sup>s</sup> −10°07'00.071"	28.7	196	163.2	-36.5	54.6	5.9	66.6	138
2009/03/17 17:51:18	8905 1995 WJ	5.2	19.32	7.47	172	0.6	35°28'36" 48°35'27"	200	0.7 1.0	UCAC2 41522533	11.85	6 <sup>h</sup> 44 <sup>m</sup> 31.395 <sup>s</sup> 27°58'42.192"	64.1	219	102.7	-21.0	156.5	-48.7	59.6	200

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				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 (%)	$\sigma_{km}$
2009/03/17 18:00:39	575 Renate	21.3	16.10	2.28	67	1.9	35°26'10" 49°47'36"	245	4.9	UCAC2 44473562	13.97	6 <sup>h</sup> 55 <sup>m</sup> 24.081 <sup>s</sup> 36°06'38.404"	71.1	230	103.9	-22.3	153.5	-47.3	59.5	159
2009/03/17 19:51:13	14070 1996 JC1	9.5	18.43	6.43	105	0.6	37°06'59" 50°50'01"	34	1.7	TYC 187000610	12.00	5 <sup>h</sup> 46 <sup>m</sup> 07.652 <sup>s</sup> 27°02'10.911"	37.5	269	89.7	-35.8	170.3	-30.3	58.8	201
2009/03/18 00:44:28	77796 QL68	6.6	17.82	10.74	74	0.6	36°08'15" 49°23'14"	188	1.6	HIP 49260	7.08	10 <sup>h</sup> 03 <sup>m</sup> 20.963 <sup>s</sup> −10°43'38.646"	2.9	250	150.9	-27.7	100.4	7.1	56.8	145
2009/03/18 03:00:18	18764 JA12	6.9	17.96	7.23	50	3.3	35°46'13" 49°44'28"	227	1.7	TYC 246500762	10.73	7 <sup>h</sup> 36 <sup>m</sup> 09.566 <sup>s</sup> 36°17'36.534"	2.2	331	111.6	-7.5	149.2	13.2	56.2	150
2009/03/18 03:02:07	46992 TZ17	12.0	15.18	4.27	133	1.1	34°36'52" 49°32'26"	245	2.1	TYC 492300519	10.93	11 <sup>h</sup> 22 <sup>m</sup> 49.892 <sup>s</sup> −1°06'23.609"	1.1	267	172.7	-7.3	88.7	13.2	55.9	172
2009/03/18 18:50:37	881 Athene	14.5	16.16	3.30	174	1.1	37°57'21" 51°12'01"	43	1.9	UCAC2 22469439	12.92	11 <sup>h</sup> 59 <sup>m</sup> 30.155 <sup>s</sup> −23°07'54.089"	7.0	140	156.0	-28.8	78.6	-47.5	49.8	137
2009/03/18 20:22:16	42259 2001 OD81	11.5	17.24	4.05	191	0.8	37°18'07" 51°38'05"	22	1.5	UCAC2 32870998	13.22	10 <sup>h</sup> 43 <sup>m</sup> 01.039 <sup>s</sup> 3°19'17.897"	43.4	177	162.2	-38.0	108.1	-33.3	49.1	181
2009/03/19 18:32:55	7576 1990 BN	10.0	15.93	5.87	224	0.9	37°24'10" 51°55'60"	21	0.5	TYC 28700602	10.06	12 <sup>h</sup> 11 <sup>m</sup> 49.428 <sup>s</sup> 6°45'07.580"	29.5	118	172.6	-26.2	100.5	-56.1	40.5	117
2009/03/19 21:14:09	77743 OH96	10.0	18.65	7.57	132	0.6	37°04'59" 51°07'14"	25	1.3	TYC 186101383	11.08	5 <sup>h</sup> 39 <sup>m</sup> 49.336 <sup>s</sup> 23°17'53.626"	19.3	284	86.1	-40.1	163.6	-32.0	39.5	281
2009/03/20 18:52:15	51899 QD37	6.3	18.30	7.51	20	1.2	36°20'47" 49°52'11"	168	1.5	TYC 82501121	10.79	9 <sup>h</sup> 16 <sup>m</sup> 36.798 <sup>s</sup> 14°11'30.117"	54.4	178	137.0	-28.4	155.0	-57.4	31.3	171
2009/03/20 19:53:36	2664 Everhart	13.1	18.42	6.76	13	1.2	36°15'08" 49°56'09"	191	3.7	TYC 133900736	11.66	6 <sup>h</sup> 55 <sup>m</sup> 38.095 <sup>s</sup> 20°12'14.744"	41.3	251	102.8	-35.0	169.5	-49.7	30.9	143
2009/03/21 01:58:28	1405 Sibelius	12.2	15.74	1.96	76	1.1	36°39'29" 49°24'42"	159	3.6	UCAC2 25998273	13.97	12 <sup>h</sup> 45 <sup>m</sup> 35.096 <sup>s</sup> −15°31'26.474"	9.6	231	161.2	-16.1	98.9	4.0	28.7	100
2009/03/21 02:13:05	7487 Toshi-tanaka	11.0	16.81	5.33	8	0.8	36°16'03" 49°58'41"	190	3.1	UCAC2 37900885	11.49	12 <sup>h</sup> 40 <sup>m</sup> 33.801 <sup>s</sup> 17°00'34.223"	33.3	256	160.3	-13.9	112.6	5.7	28.6	143
2009/03/21 17:54:56	1936 Lugano	24.8	16.08	2.56	221	1.1	35°25'59" 48°08'42"	196	2.5	UCAC2 38748273	13.62	5 <sup>h</sup> 17 <sup>m</sup> 25.801 <sup>s</sup> 19°47'12.700"	43.5	246	78.9	-20.4	136.1	-59.8	23.1	170
2009/03/21 19:21:21	1078 Mentha	14.5	16.15	2.54	201	0.5	35°07'06" 48°24'23"	205	1.4	UCAC2 39972354	13.72	4 <sup>h</sup> 43 <sup>m</sup> 08.752 <sup>s</sup> 23°04'40.671"	26.8	275	71.2	-31.4	127.9	-56.0	22.7	134
2009/03/21 21:56:41	28297 1999 CR63	6.3	18.14	6.70	160	1.7	34°53'06" 51°10'49"	322	1.0	TYC 79601129	11.44	8 <sup>h</sup> 29 <sup>m</sup> 55.981 <sup>s</sup> 8°04'36.652"	26.8	249	125.8	-39.5	169.0	-35.6	21.9	167
2009/03/22 00:22:11	213 Lilaea	83.0	13.52	0.63	204	3.4	34°25'49" 48°40'13"	221	8.6	UCAC2 24945329	13.78	18 <sup>h</sup> 45 <sup>m</sup> 48.641 <sup>s</sup> −18°02'10.238"	4.0	124	80.5	-29.0	26.5	-12.8	21.0	146
2009/03/22 19:38:49	1395 Aribeda	20.8	16.26	6.32	217	1.5	34°35'34" 48°26'39"	214	2.2	TYC 552100837	9.94	12 <sup>h</sup> 01 <sup>m</sup> 54.898 <sup>s</sup> −11°53'02.744"	23.2	149	168.8	-32.9	130.8	-53.8	15.0	177
2009/03/22 20:29:25	4009 Droby-shevs kij	18.1	18.65	5.88	162	1.5	37°31'54" 51°16'06"	33	2.5	UCAC2 40491671	12.77	6 <sup>h</sup> 21 <sup>m</sup> 04.438 <sup>s</sup> 24°53'06.449"	32.2	271	92.6	-37.0	137.6	-49.7	14.8	216
2009/03/22 23:19:14	44284 QX78	5.8	18.68	6.79	38	0.6	35°55'07" 50°17'45"	316	1.3	UCAC2 31680962	11.90	9 <sup>h</sup> 06 <sup>m</sup> 01.110 <sup>s</sup> 0° − 25°53.871"	12.3	254	134.4	-35.0	164.6	-26.4	14.0	178

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 (%)	$\sigma_{km}$
2009/03/23 17:57:36	1356 Nyanza	64.7	15.55	3.39	247	6.8	38°01'40'' 51°58'20''	30	5.6 14.3	UCAC2 42224138	12.21	7 <sup>h</sup> 06 <sup>m</sup> 50.259 <sup>s</sup> 29°46'30.773''	64.8	225	101.4	-20.2	135.5	-46.3	9.1	180
2009/03/23 19:03:36	3754 Kathleen	53.2	15.85	2.79	236	2.2	37°00'56'' 52°07'05''	13	5.4 9.5	UCAC2 39097977	13.14	5 <sup>h</sup> 03 <sup>m</sup> 40.989 <sup>s</sup> 20°38'16.951''	30.0	267	73.7	-28.8	108.1	-49.9	8.8	222
2009/03/23 20:38:19	51814 2001 OZ8	11.0	17.58	4.13	149	1.7	36°15'23'' 51°23'11''	359	1.7 2.5	UCAC2 35741660	13.48	7 <sup>h</sup> 37 <sup>m</sup> 34.898 <sup>s</sup> 11°26'13.231''	32.2	247	110.7	-37.1	144.1	-47.8	8.5	175
2009/03/24 18:07:47	5547 Acadiau	11.0	15.85	3.40	105	1.3	35°09'20'' 49°27'23''	231	2.5 3.7	UCAC2 28194892	12.50	10 <sup>h</sup> 15 <sup>m</sup> 59.382 <sup>s</sup> −10°24'09.264''	26.3	154	149.1	-21.4	163.0	-38.1	4.1	117
2009/03/24 23:39:47	66160 1998 UC38	5.0	18.43	6.54	60	1.2	36°09'36'' 50°34'59''	351	1.2 1.2	UCAC2 42407475	11.90	9 <sup>h</sup> 15 <sup>m</sup> 40.964 <sup>s</sup> 30°16'04.064''	32.1	280	126.4	-32.4	144.1	-27.6	3.2	162
2009/03/25 19:44:13	2722 Abalakin	12.6	18.23	6.97	91	1.1	36°52'29'' 50°46'44''	27	2.1 2.3	UCAC2 39827232	11.26	6 <sup>h</sup> 41 <sup>m</sup> 43.622 <sup>s</sup> 22°33'38.121''	39.3	258	94.5	-32.4	104.9	-36.5	0.9	217
2009/03/26 01:47:48	32558 2001 QV30	12.0	17.58	4.22	98	1.1	37°05'27'' 50°45'50''	36	2.0 2.2	UCAC2 46425327	13.38	9 <sup>h</sup> 14 <sup>m</sup> 23.301 <sup>s</sup> 42°16'11.827''	21.5	311	118.9	-15.9	123.1	-10.4	0.5	217
2009/03/26 15:55:30	18881 1999 XL195	10.0	15.97	2.63	77	1.0	36°40'43'' 50°41'40''	21	2.7 3.3	UCAC2 26889224	13.44	11 <sup>h</sup> 09 <sup>m</sup> 48.499 <sup>s</sup> −13°50'29.734''	2.9	116	158.8	-0.7	162.4	1.2	0.1	122
2009/03/26 18:31:21	48512 1993 FU15	6.0	17.41	5.34	175	0.6	36°41'45'' 51°35'47''	10	0.8 1.4	TYC 496000441	12.08	13 <sup>h</sup> 08 <sup>m</sup> 14.993 <sup>s</sup> −2°49'03.218''	17.3	117	168.5	-23.9	167.3	-20.3	0.2	172
2009/03/26 20:33:10	54947 2001 PM3	6.3	18.79	7.05	46	0.7	36°42'33'' 49°44'09''	139	1.0 1.0	UCAC2 32192749	11.74	8 <sup>h</sup> 17 <sup>m</sup> 51.420 <sup>s</sup> 1°20'00.492''	28.5	233	118.7	-35.7	118.1	-30.8	0.2	240
2009/03/27 18:29:29	10465 1980 WE5	12.6	17.66	5.55	185	0.6	36°15'08'' 48°23'04''	181	1.6 2.4	TYC 72101595	12.11	6 <sup>h</sup> 04 <sup>m</sup> 09.602 <sup>s</sup> 10°31'42.925''	34.4	242	84.1	-23.4	71.9	-9.3	1.6	209
2009/03/27 18:43:35	5874 1989 XB	6.3	16.80	5.56	97	0.6	35°57'47'' 49°12'15''	194	1.6 2.4	TYC 86600042	11.24	12 <sup>h</sup> 13 <sup>m</sup> 07.213 <sup>s</sup> 8°06'35.925''	36.3	127	168.6	-25.2	154.8	-11.1	1.6	105
2009/03/27 21:02:56	45935 2000 YU132	5.5	18.37	7.21	247	0.7	33°37'42'' 48°39'50''	231	0.4 1.4	TYC 136501817	11.16	7 <sup>h</sup> 37 <sup>m</sup> 20.322 <sup>s</sup> 17°18'11.243''	30.4	261	106.0	-36.7	91.3	-24.2	1.9	153
2009/03/27 21:24:40	2132 Zhukov	28.7	16.60	3.70	207	1.4	34°34'10'' 48°33'26''	217	3.3 5.5	UCAC2 41164994	12.94	6 <sup>h</sup> 02 <sup>m</sup> 55.357 <sup>s</sup> 26°30'09.834''	18.7	289	83.5	-37.2	68.0	-25.3	2.0	208
2009/03/28 16:35:05	9673 Kunishimakoto	5.2	18.32	8.68	8	2.5	36°11'52'' 50°00'28''	235	1.6 1.6	TYC 81600445	9.64	8 <sup>h</sup> 46 <sup>m</sup> 49.217 <sup>s</sup> 14°41'20.398''	51.1	148	122.1	-6.5	97.1	18.5	5.0	131
2009/03/28 19:01:09	1553 Bauersfelda	15.1	16.94	3.59	19	0.7	36°10'43'' 50°12'12''	336	3.4 3.4	UCAC2 39984700	13.39	5 <sup>h</sup> 54 <sup>m</sup> 39.815 <sup>s</sup> 23°25'13.003''	37.4	262	80.7	-27.0	54.0	-2.4	5.6	177
2009/03/30 01:16:01	5793 Ringuelet	10.0	17.39	5.19	244	1.4	34°10'28'' 48°20'33''	219	0.7 2.7	UCAC2 25564877	12.21	17 <sup>h</sup> 08 <sup>m</sup> 42.134 <sup>s</sup> −16°45'59.398''	22.1	165	111.6	-19.0	152.8	-16.0	13.8	149
2009/03/30 18:53:32	47061 1998 XZ43	10.0	17.60	4.41	36	0.8	35°54'24'' 49°50'23''	230	2.2 2.2	UCAC2 44301221	13.21	7 <sup>h</sup> 36 <sup>m</sup> 39.555 <sup>s</sup> 35°55'07.907''	62.0	253	99.6	-25.5	47.3	20.3	20.0	181
2009/03/30 19:13:54	29853 1999 FZ26	9.1	17.63	9.68	223	2.9	38°35'02'' 51°25'25''	47	0.7 2.7	HIP 47274	7.95	9 <sup>h</sup> 38 <sup>m</sup> 04.575 <sup>s</sup> 17°21'18.889''	56.8	195	130.9	-27.8	77.8	17.3	20.1	137
2009/03/30 20:40:15	857 Glasenappia	15.0	16.23	2.48	186	0.6	37°51'54'' 51°23'14''	37	1.9 3.9	UCAC2 40647737	13.87	5 <sup>h</sup> 26 <sup>m</sup> 15.012 <sup>s</sup> 25°13'54.001''	17.1	289	72.2	-34.7	18.5	5.4	20.7	153

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			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 (%)	$\sigma_{km}$		
2009/03/31 02:56:38	28370 GK34	6.6	17.81	6.07	130	0.7	36°02'35'' 48°53'39''	188	1.2	TYC 673400134	11.74	14 <sup>h</sup> 09 <sup>m</sup> 00.420 <sup>s</sup> -24°37'59.213''	0.1	230	150.0	-3.6	150.2	-11.3	23.2	158
2009/03/31 21:24:42	2088 Sahlia	10.9	14.74	4.09	64	1.1	36°33'57'' 50°35'49''	18	3.8 4.9	TYC 495401025	10.68	12 <sup>h</sup> 35 <sup>m</sup> 54.445 <sup>s</sup> -5°58'36.159''	34.1	177	178.0	-35.6	112.1	8.7	31.0	88