

## 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 1.1.2  
Author: Plekhanov Andrey andyp@newtech.ru  
Events number: 53

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 1		LinOccult 1.1.2				
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2007/07/01 19:39:58	12378 1994 PK1	5.2	17.76	6.09	181	0.8	38°23'27" 49°09'48"	123	0.6	UCAC2 25095927	11.68	15 <sup>h</sup> 11 <sup>m</sup> 40.098 <sup>s</sup> −17°41'03.149"	19.4	203	130.8	-12.5	64.4	4.9	98.2	123
2007/07/02 18:29:04	77511 2001 HR48	6.3	19.11	7.55	144	0.6	38°12'30" 49°39'43"	107	0.9	TYC 911100336	11.56	14 <sup>h</sup> 43 <sup>m</sup> 55.168 <sup>s</sup> 9°22'42.413"	48.1	199	112.7	-5.9	92.8	-7.6	94.6	210
2007/07/02 19:48:37	8196 1993 UB3	6.6	16.61	4.77	104	0.6	36°46'47" 50°55'26"	20	1.5	UCAC2 25391033	11.86	18 <sup>h</sup> 32 <sup>m</sup> 38.961 <sup>s</sup> −17°17'11.007"	19.5	155	173.6	-13.1	31.2	3.2	94.4	89
2007/07/02 19:49:07	760 Massinga	71.3	12.58	0.58	188	7.2	38°09'42" 48°52'30"	134	0.0	UCAC2 15100156	12.96	16 <sup>h</sup> 50 <sup>m</sup> 27.961 <sup>s</sup> −39°28'12.452"	0.6	181	150.6	-13.2	52.8	3.3	94.4	39
2007/07/03 20:43:07	21017 1988 VP	9.5	16.65	5.46	174	1.0	38°18'25" 49°11'56"	123	0.7	TYC 736700071	11.19	16 <sup>h</sup> 52 <sup>m</sup> 04.323 <sup>s</sup> −34°18'19.846"	4.6	193	151.9	-16.2	66.4	8.1	88.1	496
2007/07/04 22:30:01	18871 Grauer	11.0	17.86	6.25	247	0.9	33°01'35" 50°49'51"	291	0.1	TYC 59700517	11.62	0 <sup>h</sup> 03 <sup>m</sup> 41.110 <sup>s</sup> 11°59'16.745"	25.5	102	96.7	-16.4	30.9	20.5	79.4	92
2007/07/04 23:26:25	3893 De-Laeter	7.2	16.25	5.59	66	1.0	37°07'03" 49°47'35"	115	2.6	TYC 222201243	10.67	22 <sup>h</sup> 21 <sup>m</sup> 47.327 <sup>s</sup> 25°30'01.057"	59.0	133	110.2	-13.5	34.8	26.1	79.1	80
2007/07/05 00:34:16	1974 Caupolican	26.6	16.88	4.71	255	2.7	35°18'19" 52°15'01"	344	1.2	UCAC2 28942984	12.18	17 <sup>h</sup> 51 <sup>m</sup> 06.107 <sup>s</sup> −8°17'55.093"	12.2	241	159.0	-7.6	70.8	30.5	78.6	131
2007/07/05 18:59:32	18271 2332 T-3	5.2	17.00	6.90	247	0.6	35°23'23" 47°54'26"	195	0.2	TYC 570200203	10.10	18 <sup>h</sup> 27 <sup>m</sup> 25.862 <sup>s</sup> −14°42'07.915"	19.4	147	169.2	-9.2	71.6	-12.1	71.2	111
2007/07/05 22:52:19	21766 1999 RW208	9.1	17.32	6.42	4	0.7	36°16'18" 50°00'57"	197	3.7	TYC 625303619	10.90	17 <sup>h</sup> 49 <sup>m</sup> 41.377 <sup>s</sup> −17°24'12.183"	15.7	215	163.0	-15.6	83.0	23.2	69.5	98
2007/07/05 23:46:40	4784 1984 DF1	7.2	17.39	6.60	214	0.6	38°20'47" 48°40'03"	136	0.1	TYC 689600177	10.79	20 <sup>h</sup> 03 <sup>m</sup> 07.581 <sup>s</sup> −25°02'47.833"	13.7	195	165.1	-12.1	53.7	29.7	69.1	86
2007/07/06 01:09:55	4120 De-noyelle	8.7	17.90	5.94	103	1.4	35°18'12" 50°43'58"	317	2.0	UCAC2 28295299	11.96	21 <sup>h</sup> 34 <sup>m</sup> 47.574 <sup>s</sup> −10°23'19.382"	28.5	195	140.8	-3.7	29.5	36.5	68.5	101
2007/07/06 23:04:53	3722 Urata	8.7	15.76	4.99	34	1.8	35°48'49" 50°01'15"	265	3.9	UCAC2 32129236	10.79	22 <sup>h</sup> 14 <sup>m</sup> 44.822 <sup>s</sup> 0°41'29.286"	35.8	147	127.7	-15.0	29.7	24.2	58.7	82
2007/07/07 01:17:22	45591 2000 CQ103	10.5	17.14	5.24	102	0.9	36°06'49" 50°57'15"	353	2.1	UCAC2 33078228	11.91	18 <sup>h</sup> 02 <sup>m</sup> 45.113 <sup>s</sup> 3°36'13.234"	15.8	256	149.9	-2.9	93.6	40.3	57.5	167
2007/07/09 00:47:44	793 Arizona	28.9	15.55	3.72	72	0.9	35°24'41" 50°22'26"	300	8.8	UCAC2 36582000	11.87	2 <sup>h</sup> 54 <sup>m</sup> 17.476 <sup>s</sup> 13°34'32.818"	24.0	97	61.2	-6.6	13.2	34.8	35.0	101
2007/07/12 18:30:29	1609 Brenda	29.6	16.66	4.22	130	0.7	35°39'55" 48°56'54"	200	5.0	UCAC2 40685625	12.47	8 <sup>h</sup> 49 <sup>m</sup> 28.326 <sup>s</sup> 25°01'31.311"	6.2	302	19.3	-6.8	40.3	-9.3	4.0	98
2007/07/13 01:40:12	4710 Wade	7.2	16.87	5.21	190	1.0	36°53'51" 48°23'22"	167	0.1	UCAC2 28294798	11.67	21 <sup>h</sup> 28 <sup>m</sup> 04.504 <sup>s</sup> −10°11'57.442"	24.5	213	148.9	-0.8	129.8	15.2	2.8	70
2007/07/13 19:19:27	16546 1991 RP5	10.0	17.19	5.63	198	1.3	33°57'42" 51°02'20"	304	1.0	UCAC2 34860699	11.57	16 <sup>h</sup> 53 <sup>m</sup> 00.801 <sup>s</sup> 8°45'20.752"	48.8	186	130.7	-11.8	133.7	-9.6	0.7	135
2007/07/13 19:44:37	25730 2000 AY189	7.6	16.72	4.50	184	0.9	36°29'29" 51°41'34"	5	0.7	TYC 50001848	12.23	20 <sup>h</sup> 17 <sup>m</sup> 39.805 <sup>s</sup> 2°05'01.835"	31.1	131	153.5	-13.9	144.6	-11.0	0.7	108
2007/07/13 19:45:39	0 2002 TQ236	6.6	18.37	5.69	204	0.7	35°54'33" 48°13'38"	188	0.8	TYC 54100106	12.69	21 <sup>h</sup> 29 <sup>m</sup> 07.831 <sup>s</sup> 7°07'24.853"	25.6	111	139.0	-14.0	129.3	-11.1	0.7	240

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 2		LinOccult 1.1.2				
		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 (%)	$\sigma_{km}$
2007/07/14 18:35:11	5429 1988 BZ1	12.0	17.58	5.95	193	1.0	37°22'38" 51°38'31"	24	1.4	UCAC2 22972308	11.63	18 <sup>h</sup> 03 <sup>m</sup> 57.184 <sup>s</sup> -22°23'48.003"	14.7	157	159.0	-7.6	155.2	-3.2	0.2	156
2007/07/14 21:27:02	12849 1997 QD2	13.8	16.30	3.55	45	1.4	35°44'01" 50°14'53"	299	5.6	UCAC2 27763373	12.79	21 <sup>h</sup> 13 <sup>m</sup> 37.532 <sup>s</sup> -11°49'28.180"	23.6	150	154.5	-18.4	158.5	-15.6	0.3	86
2007/07/14 23:07:51	99204 2001 HE20	6.3	17.68	6.19	211	0.5	38°09'18" 48°35'30"	141	0.6	UCAC2 30436736	11.50	19 <sup>h</sup> 53 <sup>m</sup> 22.655 <sup>s</sup> -4°15'39.387"	33.8	201	162.1	-15.9	160.3	-15.1	0.3	362
2007/07/15 20:42:32	46282 2001 KU26	6.6	18.02	6.93	122	0.5	36°27'31" 51°08'15"	6	1.1	TYC 572401039	11.09	19 <sup>h</sup> 44 <sup>m</sup> 28.015 <sup>s</sup> -7°47'01.046"	30.7	162	166.2	-17.5	159.5	-14.3	2.2	201
2007/07/16 01:34:14	841 Arabella	8.6	16.17	5.01	3	1.0	36°15'36" 50°01'22"	215	6.1	UCAC2 23030085	11.17	21 <sup>h</sup> 02 <sup>m</sup> 31.279 <sup>s</sup> -22°03'32.108"	10.6	215	160.8	-2.0	177.0	-13.4	2.9	56
2007/07/16 19:18:38	2130 Ev-dokiya	18.0	18.26	7.96	154	0.8	36°31'24" 48°40'21"	174	2.1	TYC 494700196	10.30	12 <sup>h</sup> 26 <sup>m</sup> 58.831 <sup>s</sup> -7°09'25.699"	5.0	253	75.3	-12.2	47.1	-3.5	6.1	97
2007/07/18 19:43:50	756 Lilliana	71.5	14.40	1.43	149	6.0	35°43'31" 51°20'13"	344	0.3	UCAC2 35291279	13.31	20 <sup>h</sup> 03 <sup>m</sup> 44.549 <sup>s</sup> 9°47'12.157"	41.8	135	149.0	-14.6	130.9	-3.4	19.2	41
2007/07/18 21:08:04	12191 Vorontsova	6.3	16.22	5.35	11	1.9	36°08'14" 50°01'26"	256	3.3	HIP 114252	10.87	23 <sup>h</sup> 08 <sup>m</sup> 19.601 <sup>s</sup> -15°24'35.993"	7.5	125	133.0	-18.8	168.0	-16.2	19.8	76
2007/07/18 23:28:24	1069 Planckia	39.5	14.55	2.02	157	3.8	34°18'50" 50°41'30"	297	0.2	UCAC2 28120237	12.71	22 <sup>h</sup> 02 <sup>m</sup> 37.168 <sup>s</sup> -10°56'40.928"	28.9	173	147.0	-15.3	159.3	-32.7	20.5	47
2007/07/19 19:22:32	47870 2000 FK13	12.0	16.66	4.03	28	1.0	35°55'54" 50°09'20"	295	2.6	UCAC2 24694995	12.66	18 <sup>h</sup> 43 <sup>m</sup> 45.521 <sup>s</sup> -18°53'19.784"	19.6	163	163.2	-13.0	100.8	1.8	27.4	181
2007/07/20 20:47:12	6552 1989 GH	10.0	15.81	3.46	77	0.9	37°08'34" 49°37'51"	127	3.1	UCAC2 26995425	12.40	19 <sup>h</sup> 36 <sup>m</sup> 28.722 <sup>s</sup> -13°32'25.795"	26.2	172	171.1	-18.5	101.6	-9.8	36.9	91
2007/07/21 22:25:55	10400 Hakkaisan	7.9	15.90	4.32	189	1.0	33°48'13" 49°29'36"	251	0.5	UCAC2 15857068	11.60	19 <sup>h</sup> 21 <sup>m</sup> 44.666 <sup>s</sup> -37°47'28.075"	0.2	197	160.4	-19.0	80.9	-23.1	47.0	99
2007/07/22 00:33:08	83 Beatrix	81.4	14.03	1.86	163	3.1	37°36'31" 48°51'51"	144	0.0	UCAC2 37833043	12.38	3 <sup>h</sup> 05 <sup>m</sup> 18.801 <sup>s</sup> 17°22'48.253"	31.0	100	70.0	-10.1	157.0	-42.0	47.8	20
2007/07/22 01:21:22	4626 Pliset-skaya	8.7	16.03	5.75	81	1.0	37°09'32" 49°35'34"	129	2.1	TYC 636801041	10.29	21 <sup>h</sup> 22 <sup>m</sup> 39.456 <sup>s</sup> -20°10'12.247"	13.2	214	161.5	-4.5	109.7	-47.8	48.1	54
2007/07/23 18:32:47	1181 Lilith	16.6	16.26	3.57	217	2.0	37°50'44" 51°44'07"	31	0.4	UCAC2 23421784	12.73	17 <sup>h</sup> 35 <sup>m</sup> 30.489 <sup>s</sup> -21°16'24.030"	18.4	172	143.8	-8.7	38.0	13.0	64.2	92
2007/07/23 18:33:59	21955 1999 VW178	10.0	16.45	4.40	118	0.9	37°30'09" 49°19'52"	133	2.0	TYC 513300885	12.07	19 <sup>h</sup> 14 <sup>m</sup> 47.456 <sup>s</sup> -2°44'34.145"	30.3	141	158.0	-8.8	66.5	12.9	64.2	102
2007/07/24 21:26:19	0 2002 TV300	6.1	17.29	5.41	64	0.8	36°43'49" 50°33'04"	30	1.0	UCAC2 32128730	11.89	22 <sup>h</sup> 06 <sup>m</sup> 45.563 <sup>s</sup> 0°51'26.622"	34.1	141	145.7	-20.2	94.7	-3.6	74.1	231
2007/07/24 21:51:36	12008 Kandrup	7.9	15.45	3.99	17	0.7	36°25'52" 50°10'05"	38	5.5	TYC 318801707	11.49	21 <sup>h</sup> 48 <sup>m</sup> 43.443 <sup>s</sup> 40°08'20.934"	72.6	116	116.1	-20.3	106.0	-6.9	74.3	55
2007/07/25 00:31:40	4959 Ni-inoama	22.9	15.52	4.00	164	2.1	34°55'16" 48°52'27"	217	2.6	TYC 628401838	11.54	18 <sup>h</sup> 42 <sup>m</sup> 18.155 <sup>s</sup> -18°09'45.313"	0.6	240	157.9	-10.8	39.3	-30.6	75.3	107
2007/07/25 18:10:56	27233 1999 NP8	5.0	17.27	4.83	49	0.6	36°32'28" 50°27'31"	22	1.7	TYC 630600316	12.46	19 <sup>h</sup> 29 <sup>m</sup> 25.171 <sup>s</sup> -20°16'07.961"	11.3	142	168.5	-6.5	40.5	12.9	81.1	105

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		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 (%)	$\sigma_{km}$
2007/07/26 01:38:15	4567 Becvar	7.2	17.32	5.54	80	0.5	36°24'41" 49°19'51"	174	2.1	UCAC2 35507573	11.79	1 <sup>h</sup> 20 <sup>m</sup> 22.219 <sup>s</sup> 10°45'10.307"	48.8	156	100.0	-3.1	127.8	-34.3	83.5	97
2007/07/26 18:31:16	1203 Nanna	35.2	17.72	5.63	207	1.4	36°12'51" 48°11'08"	181	3.1	UCAC2 29840038	12.09	12 <sup>h</sup> 36 <sup>m</sup> 19.782 <sup>s</sup> -5°53'38.545"	8.6	250	67.4	-9.0	72.9	11.8	88.4	131
2007/07/26 20:15:17	21955 1999 VW178	10.0	16.49	3.64	224	0.9	38°32'51" 48°40'33"	133	0.4	UCAC2 30747735	12.89	19 <sup>h</sup> 12 <sup>m</sup> 32.302 <sup>s</sup> -3°04'31.699"	37.0	175	156.3	-18.2	34.2	9.8	88.9	103
2007/07/27 22:08:45	43807 1991 RC11	11.0	17.20	5.38	212	1.3	35°42'17" 51°54'48"	349	0.9	TYC 166600111	11.83	21 <sup>h</sup> 49 <sup>m</sup> 09.347 <sup>s</sup> 16°09'28.446"	54.6	157	139.3	-20.7	63.8	6.8	94.8	128
2007/07/27 22:40:15	42779 1998 VD13	5.5	17.54	6.29	58	0.5	35°37'56" 50°21'17"	306	1.7	TYC 692100609	11.25	20 <sup>h</sup> 45 <sup>m</sup> 34.939 <sup>s</sup> -23°17'53.957"	16.2	190	174.0	-19.7	28.8	4.1	94.9	112
2007/07/28 00:47:51	4870 Shcherban'	25.3	17.23	5.50	108	0.6	36°54'29" 49°10'06"	156	5.6	UCAC2 39630761	11.74	5 <sup>h</sup> 47 <sup>m</sup> 51.834 <sup>s</sup> 22°15'34.321"	14.8	73	37.3	-9.6	166.3	-10.4	95.3	97
2007/07/28 02:03:34	845 Naema	54.4	15.51	1.96	32	1.6	36°41'52" 49°55'41"	114	38.5	UCAC2 40139119	13.75	4 <sup>h</sup> 31 <sup>m</sup> 18.861 <sup>s</sup> 23°45'51.937"	40.1	101	54.8	-0.0	149.3	-21.0	95.5	39
2007/07/29 22:50:09	2666 Gramme	39.3	16.35	4.65	210	3.2	35°15'58" 51°49'21"	340	3.0	UCAC2 31950703	11.71	20 <sup>h</sup> 29 <sup>m</sup> 12.192 <sup>s</sup> 0°13'59.277"	37.9	204	161.0	-19.8	21.9	16.8	99.9	123
2007/07/30 01:36:05	1485 Isa	26.3	16.62	4.71	28	1.6	36°34'04" 49°52'07"	135	13.6	UCAC2 39427443	11.93	1 <sup>h</sup> 53 <sup>m</sup> 54.359 <sup>s</sup> 21°44'17.699"	57.5	142	92.3	-4.1	87.8	2.7	99.9	71
2007/07/30 01:57:36	39986 1998 HJ32	6.6	16.56	4.80	163	0.8	36°02'04" 51°30'17"	354	1.0	UCAC2 32088783	11.77	19 <sup>h</sup> 14 <sup>m</sup> 16.690 <sup>s</sup> 0°44'01.238"	4.1	266	152.2	-1.2	30.4	0.0	99.9	170
2007/07/30 23:33:21	515 Athalia	38.2	16.47	4.75	165	3.6	33°59'22" 49°57'14"	266	1.5	UCAC2 22990380	11.73	18 <sup>h</sup> 40 <sup>m</sup> 14.984 <sup>s</sup> -22°26'35.300"	1.4	231	152.0	-17.3	40.2	22.2	98.9	71
2007/07/30 23:57:49	3941 Haydn	8.7	17.27	5.41	90	0.8	37°21'06" 49°37'22"	122	2.2	UCAC2 24227253	11.87	19 <sup>h</sup> 20 <sup>m</sup> 03.142 <sup>s</sup> -19°48'38.913"	5.6	230	161.3	-15.3	31.1	21.1	98.8	118
2007/07/31 19:12:08	22476 1997 EM23	9.1	16.49	5.88	75	1.3	37°14'28" 49°46'40"	114	2.5	UCAC2 20930113	10.61	18 <sup>h</sup> 12 <sup>m</sup> 37.673 <sup>s</sup> -26°46'26.724"	13.3	180	144.6	-14.4	58.1	9.4	96.1	124

