

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 $M_v = 14.00$
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: 133

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 (%)	σ_{km}
2012/09/01 16:44:26	181 Eucharis	106.0	14.36	1.42	248	4.7	39°22'06'' 51°07'17''	62	10.3	UCAC2 30869784	13.28	15 ^h 57 ^m 04.892 ^s −2°38'01.085''	31.7	215	78.7	−5.0	112.5	5.6	98.5	250
2012/09/01 19:37:30	3591 Vladimirskij	19.8	17.07	4.18	108	3.8	37°01'57'' 49°12'39''	150	3.7	UCAC2 34768147	12.91	1 ^h 29 ^m 06.504 ^s 8°50'01.218''	19.5	100	135.7	−26.9	29.8	30.8	98.2	175
2012/09/01 21:44:54	35854 JZ63	5.0	16.98	6.44	185	0.7	34°19'49'' 51°09'08''	311	0.5	UCAC2 27940369	10.55	21 ^h 15 ^m 54.902 ^s −11°28'05.236''	24.8	207	157.8	−32.1	37.8	41.7	97.9	115
2012/09/01 21:55:31	6730 Ikeda	12.0	17.94	7.68	245	1.3	34°21'03'' 48°14'42''	215	1.2	TYC 470500454	10.26	2 ^h 44 ^m 07.738 ^s −5°02'16.149''	17.8	122	120.6	−32.0	47.2	42.1	97.9	208
2012/09/01 23:41:06	2416 Sharonov	27.8	17.18	4.29	85	1.0	36°01'41'' 49°18'23''	193	4.2	UCAC2 36790349	12.91	6 ^h 28 ^m 38.595 ^s 14°25'24.081''	14.8	85	63.1	−25.9	100.9	40.5	97.7	247
2012/09/02 00:59:29	29622 SM145	5.8	17.59	6.93	155	0.6	37°20'26'' 48°49'58''	151	0.8	TYC 467000484	10.66	0 ^h 16 ^m 34.273 ^s −6°12'16.803''	28.7	213	157.3	−17.1	12.4	33.7	97.5	121
2012/09/02 21:16:48	1086 Nata	66.3	14.95	5.03	39	16.0	36°30'27'' 50°22'06''	24	14.8	TYC 175800894	9.93	2 ^h 06 ^m 28.310 ^s 23°15'53.729''	40.8	102	122.6	−32.4	29.9	41.0	94.4	173
2012/09/03 18:35:15	76155 EX20	5.0	19.15	8.57	18	1.7	36°32'40'' 50°03'34''	86	0.9	TYC 629001651	10.58	19 ^h 03 ^m 19.913 ^s −20°17'48.639''	18.9	192	123.3	−21.1	93.8	15.7	89.7	222
2012/09/03 21:15:32	36906 SZ179	5.5	18.63	7.93	13	1.6	36°10'18'' 50°08'20''	321	1.3	TYC 569307695	10.70	18 ^h 53 ^m 36.010 ^s −8°20'48.904''	14.7	237	121.0	−32.8	95.9	39.5	88.8	175
2012/09/04 17:54:55	10492 QZ1	10.5	17.65	3.72	42	2.1	36°52'35'' 50°03'36''	88	2.2	UCAC2 25882951	13.97	19 ^h 24 ^m 47.798 ^s −16°25'09.504''	23.6	178	127.8	−16.2	100.4	5.2	83.1	185
2012/09/04 21:56:25	2136 Jugta	19.1	15.47	3.84	140	1.4	34°44'18'' 50°49'19''	308	3.1	UCAC2 28122685	11.66	22 ^h 55 ^m 11.202 ^s −10°36'05.228''	29.3	187	176.2	−33.1	52.3	42.0	81.9	179
2012/09/04 23:14:46	368 Haidea	69.6	13.22	0.56	270	8.3	37°59'10'' 47°53'43''	153	0.9	UCAC2 32468858	13.64	22 ^h 11 ^m 58.637 ^s 1°53'41.018''	32.9	225	166.0	−29.2	58.3	50.9	81.5	101
2012/09/05 01:47:44	3129 Bon- estell	11.0	18.27	4.74	246	0.5	37°01'12'' 47°53'24''	168	1.1	UCAC2 38029855	13.54	5 ^h 36 ^m 08.885 ^s 17°42'25.556''	46.8	125	78.5	−11.1	49.9	52.9	80.7	215
2012/09/05 02:57:39	2015 Kachuevskaya	12.6	17.12	3.75	154	0.7	37°30'01'' 48°54'35''	146	1.9	UCAC2 43753264	13.41	4 ^h 51 ^m 00.115 ^s 34°19'23.596''	73.6	158	87.3	−0.5	40.9	46.4	80.4	201
2012/09/05 18:53:32	28861 JF62	2000	16.51	3.20	59	1.3	36°51'20'' 49°40'13''	136	2.9	UCAC2 33851063	13.37	21 ^h 24 ^m 28.903 ^s 5°44'52.120''	43.9	157	153.4	−23.9	78.2	9.5	75.1	174
2012/09/05 20:56:28	1016 Anitra	13.8	15.98	4.25	241	0.6	33°36'45'' 51°23'39''	308	0.8	TYC 185600762	11.75	5 ^h 28 ^m 28.303 ^s 27°37'51.290''	11.2	60	80.5	−33.1	38.6	28.7	74.4	131
2012/09/06 16:18:23	82894 QZ86	6.0	18.56	7.78	160	0.8	34°16'37'' 49°26'08''	245	0.6	UCAC2 21197871	10.78	19 ^h 18 ^m 52.356 ^s −26°24'20.610''	11.0	159	123.2	−2.6	126.2	−14.1	67.6	332
2012/09/06 17:03:29	4105 Tsia	10.0	16.25	2.77	84	3.0	35°10'59'' 49°46'56''	249	2.4	UCAC2 27751065	13.57	19 ^h 52 ^m 43.802 ^s −11°39'54.540''	26.0	158	132.9	−9.6	116.2	−9.6	67.0	135
2012/09/07 01:37:49	29848 FL24	1999	18.18	6.67	54	0.6	36°29'14'' 49°34'42''	165	1.5	UCAC2 32980841	11.51	23 ^h 41 ^m 33.171 ^s 3°11'01.659''	26.1	241	166.8	−13.1	61.7	59.1	63.9	190
2012/09/07 20:47:29	1944 Gunter	6.0	15.89	3.21	66	1.3	35°34'06'' 49°40'37''	231	2.2	TYC 573101888	12.74	19 ^h 38 ^m 44.797 ^s −11°27'37.369''	19.0	223	128.4	−33.6	132.8	15.2	56.6	77

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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 (%)	σ_{km}
2012/09/08 01:56:43	92 Undina	126.4	13.00	2.44	250	3.5	37°07'55" 47°52'10"	166	12.1 18.6	TYC 139001056	10.68	8 ^h 19 ^m 14.051 ^s 20°54'33.933"	27.5	90	43.5	-10.6	51.7	58.5	54.6	269
2012/09/08 21:16:31	1389 Onnie	28.1	16.12	3.97	113	3.7	37°17'59" 49°16'13"	140	5.5 7.3	TYC 578300269	12.18	21 ^h 07 ^m 52.733 ^s -14°57'40.235"	21.0	208	148.5	-34.7	125.2	12.6	46.9	154
2012/09/08 21:20:30	1598 Paloque	13.4	15.76	2.68	248	1.3	35°00'60" 52°07'27"	339	0.3 5.2	UCAC2 34387714	13.17	23 ^h 21 ^m 18.859 ^s 7°02'18.300"	46.9	172	167.3	-34.7	86.6	13.2	46.9	102
2012/09/08 23:35:53	193 Ambrosia	38.4	13.75	1.72	27	1.2	36°23'58" 50°16'39"	18	11.1 11.3	UCAC2 43774760	12.28	6 ^h 36 ^m 40.581 ^s 34°16'17.898"	31.3	73	69.2	-28.6	21.0	34.0	46.0	135
2012/09/09 00:40:20	4974 Elford	10.0	16.39	2.53	166	0.7	35°07'39" 51°20'49"	330	1.4 2.9	UCAC2 31432890	13.98	23 ^h 21 ^m 21.752 ^s -1°16'42.797"	26.3	231	175.2	-21.4	91.3	43.8	45.6	139
2012/09/09 02:46:31	3985 Raybatson	19.1	17.03	3.39	8	1.2	36°20'24" 49°58'54"	152	3.6 3.6	UCAC2 37490930	13.69	5 ^h 17 ^m 18.334 ^s 16°13'58.387"	54.9	158	87.0	-3.2	5.6	58.7	44.8	210
2012/09/09 20:04:15	19006 RY65	5.8	18.70	7.19	35	0.8	36°44'02" 49°54'50"	115	1.3 1.3	TYC 574700260	11.51	20 ^h 05 ^m 32.969 ^s -11°52'57.920"	24.4	207	133.1	-32.0	150.2	-4.3	37.9	170
2012/09/09 21:00:17	2743 Chengdu	12.0	15.43	4.29	238	1.5	37°56'17" 48°12'07"	150	0.6 3.8	UCAC2 34755721	11.16	21 ^h 39 ^m 42.107 ^s 8°13'24.490"	46.4	203	153.1	-34.8	120.6	2.8	37.6	125
2012/09/09 23:19:16	4167 Riemann	14.5	17.47	5.35	185	0.5	36°42'06" 51°41'19"	9	1.7 2.2	UCAC2 35184529	12.13	6 ^h 56 ^m 07.070 ^s 9°35'38.609"	8.3	85	64.0	-30.4	15.0	23.3	36.7	261
2012/09/09 23:39:08	688 Melanie	41.4	16.28	3.42	70	1.7	36°17'04" 49°24'58"	180	7.1 7.4	UCAC2 36610826	12.91	6 ^h 25 ^m 36.569 ^s 13°37'25.710"	19.5	92	71.5	-28.6	7.4	26.4	36.5	222
2012/09/10 16:57:04	68177 BY46	6.0	16.50	6.91	251	0.9	38°53'23" 48°33'26"	132	0.3 1.8	TYC 114801495	9.59	22 ^h 11 ^m 26.911 ^s 13°20'00.706"	34.2	112	155.8	-10.0	120.8	-20.7	29.9	133
2012/09/10 19:52:00	6779 Perrine	5.5	17.78	8.88	98	2.0	36°44'37" 49°12'53"	161	1.0 3.6	TYC 120701439	8.90	2 ^h 04 ^m 59.804 ^s 15°17'43.091"	26.6	98	133.9	-31.5	69.2	-12.3	29.0	61
2012/09/10 20:49:36	1829 Dawson	10.5	15.74	2.68	19	3.6	36°05'52" 49°55'27"	225	4.4 4.5	UCAC2 40128962	13.15	2 ^h 10 ^m 26.300 ^s 23°53'38.067"	41.3	102	129.0	-34.8	66.5	-6.1	28.6	93
2012/09/10 21:38:15	113 Amalthea	46.1	13.29	1.15	221	4.6	35°06'31" 51°53'22"	338	4.0 12.6	UCAC2 37306879	12.61	4 ^h 21 ^m 12.054 ^s 15°30'25.995"	22.0	92	102.2	-35.5	38.3	0.0	28.1	145
2012/09/10 22:42:29	16029 DQ6	13.2	17.25	4.39	45	0.9	36°41'51" 49°44'20"	139	2.6 2.7	UCAC2 31794317	12.87	23 ^h 59 ^m 09.995 ^s 0° - 26'11.372"	39.3	190	168.8	-33.4	105.3	9.0	27.8	194
2012/09/11 17:52:12	7743 1986 JA	6.9	16.42	4.49	23	1.2	35°59'05" 49°58'57"	251	2.6 2.6	UCAC2 27210613	11.95	21 ^h 00 ^m 23.974 ^s -13°13'23.972"	24.6	159	144.3	-18.4	161.4	-23.2	20.9	104
2012/09/11 23:13:37	6746 Zagar	10.0	18.08	5.17	212	0.5	37°30'39" 48°19'25"	155	1.1 2.1	UCAC2 40823007	12.92	5 ^h 59 ^m 01.212 ^s 25°39'54.458"	29.7	84	79.7	-31.5	28.8	4.4	19.1	193
2012/09/11 23:55:09	376 Geometria	34.9	14.99	2.03	31	0.9	36°28'55" 49°47'42"	154	6.2 6.3	UCAC2 38969840	13.14	8 ^h 24 ^m 52.252 ^s 20°24'55.984"	9.5	69	45.9	-27.6	7.7	10.5	18.9	221
2012/09/12 01:17:41	518 Halawe	15.7	14.18	1.89	36	5.7	36°42'00" 49°52'15"	124	6.3 6.8	UCAC2 36936112	12.50	2 ^h 08 ^m 16.719 ^s 14°48'22.967"	52.9	205	134.5	-17.3	84.3	23.2	18.3	92
2012/09/12 02:50:15	26368 Alghunain	5.0	16.69	5.64	100	1.1	36°22'10" 50°56'34"	3	1.2 2.0	TYC 2500482	11.06	1 ^h 06 ^m 55.329 ^s 6°03'48.974"	27.5	244	151.8	-3.3	102.0	37.1	17.9	101

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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 (%)	σ_{km}	
2012/09/12 18:33:10	9391 PH1	6.0	16.85	5.36	156	0.5	37°51'04'' 51°02'26''	45	0.9	UCAC2 23005345	11.50	19 ^h 03 ^m 05.553 ^s -22°10'43.567''	15.5	200	114.4	-24.1	156.0	-26.5	13.0	160	
2012/09/12 19:00:04	14251 AX63	10.0	17.67	5.47	52	0.8	35°46'20'' 49°42'45''	225	1.9	UCAC2 20693794	12.20	18 ^h 06 ^m 49.398 ^s -27°24'41.021''	4.2	216	101.3	-27.3	142.2	-26.5	13.0	205	
2012/09/12 21:52:05	16966 SM63	5.8	16.68	5.33	126	0.7	36°38'49'' 48°56'19''	168	1.1	TYC 59500830	11.36	0 ^h 12 ^m 39.364 ^s 7°35'05.735''	47.4	170	163.4	-36.1	124.3	-15.5	12.1	105	
2012/09/12 22:41:27	3664 Anneres	12.6	17.00	4.85	12	0.6	36°09'49'' 50°07'11''	312	3.1	UCAC2 40481133	12.16	5 ^h 46 ^m 11.859 ^s 24°33'32.586''	26.4	83	83.5	-34.2	44.0	-9.6	11.8	163	
2012/09/12 23:58:50	18041 RX13	10.5	18.40	6.18	124	0.8	35°30'42'' 51°03'05''	334	1.7	UCAC2 39440921	12.22	5 ^h 03 ^m 51.330 ^s 21°43'49.079''	43.4	109	93.5	-27.5	54.2	1.1	11.5	213	
2012/09/13 01:10:21	5263 Arrius	16.6	17.63	4.52	227	0.6	36°13'43'' 48°00'19''	181	1.8	UCAC2 36277951	13.12	7 ^h 11 ^m 42.150 ^s 12°47'12.297''	27.9	104	63.2	-18.6	24.3	11.8	11.2	250	
2012/09/13 16:48:54	92958 RP46	5.0	18.47	7.23	162	0.7	36°46'12'' 48°37'25''	168	0.7	TYC 122001405	11.24	2 ^h 08 ^m 31.456 ^s 20°39'16.857''	3.4	61	133.6	-9.8	103.8	-20.9	7.3	154	
2012/09/13 18:34:54	135361 TW118	6.0	17.54	8.79	20	0.6	36°16'01'' 49°52'02''	184	1.3	HIP 1051	8.75	0 ^h 13 ^m 06.096 ^s 20°11'25.044''	37.6	104	153.8	-24.7	129.7	-29.3	6.8	188	
2012/09/13 21:08:22	38357 RE154	6.0	16.71	4.76	43	0.6	36°16'43'' 49°39'42''	181	1.6	UCAC2 35862876	11.97	0 ^h 02 ^m 26.417 ^s 11°37'28.135''	50.1	158	162.6	-36.5	137.6	-27.6	6.3	140	
2012/09/13 21:42:05	4030 Arch-enhold	8.7	16.51	4.78	231	2.9	33°39'45'' 51°17'18''	306	0.6	TYC 690700633	11.74	20 ^h 23 ^m 39.847 ^s -22°56'17.284''	5.1	224	131.4	-36.6	158.1	-25.1	6.2	135	
2012/09/13 22:05:05	76791 LQ24	6.9	18.58	8.10	107	0.6	37°10'01'' 49°16'42''	144	1.2	TYC 108800186	10.48	20 ^h 39 ^m 47.693 ^s 8°40'16.037''	31.2	244	136.3	-36.2	157.4	-23.0	6.0	209	
2012/09/14 01:39:14	1474 Beira	9.7	13.82	2.08	214	0.7	33°17'20'' 50°09'10''	273	0.0	UCAC2 42686126	11.91	22 ^h 44 ^m 00.919 ^s 30°47'10.174''	33.3	280	144.1	-14.7	138.2	5.4	5.3	62	
2012/09/14 19:21:45	1639 Bower	36.4	16.25	3.75	262	3.2	37°15'33'' 47°47'01''	165	2.6	UCAC2 19990141	12.54	18 ^h 06 ^m 06.719 ^s -28°35'01.163''	0.1	222	99.1	-30.3	115.2	-33.9	2.3	170	
2012/09/14 19:27:50	7564 Gokumenon	10.0	18.33	4.84	66	0.6	36°29'21'' 50°37'19''	13	1.8	UCAC2 26919683	13.51	17 ^h 24 ^m 56.203 ^s -13°36'44.719''	7.0	239	89.2	-30.9	106.4	-34.2	2.3	215	
2012/09/14 21:10:50	12847 NQ2	7.6	18.43	7.99	110	0.7	36°12'30'' 51°02'05''	357	1.3	TYC 325201161	10.44	0 ^h 31 ^m 48.618 ^s 47°44'56.275''	76.9	92	127.4	-36.9	120.8	-34.7	2.1	201	
2012/09/14 23:41:49	749 Malzovia	14.3	16.95	3.41	143	0.9	35°34'39'' 51°14'46''	339	2.4	UCAC2 38392377	13.59	5 ^h 34 ^m 25.353 ^s 18°59'08.635''	35.2	103	88.4	-29.9	73.8	-22.0	1.8	170	
2012/09/15 00:07:12	19605 NU52	7.2	16.04	4.38	94	0.7	35°29'07'' 50°43'18''	323	1.8	UCAC2 31611986	11.68	23 ^h 15 ^m 16.551 ^s 0° - 32°29.880'	27.3	231	175.1	-27.2	168.8	-18.8	1.7	114	
2012/09/15 01:29:03	2154 Underhill	21.5	17.71	4.54	197	0.9	34°55'08'' 51°35'17''	330	2.6	UCAC2 42559000	13.19	6 ^h 05 ^m 13.359 ^s 30°41'36.537''	55.7	110	81.4	-16.4	68.8	-7.3	1.6	184	
2012/09/16 01:42:34	876 Scott	25.8	14.84	2.48	251	2.7	38°23'03'' 48°15'37''	143	1.4	UCAC2 30625392	12.48	1 ^h 14 ^m 55.035 ^s -3°27'47.178''	27.2	224	155.3	-14.7	152.8	-16.7	0.2	135	
2012/09/16 17:38:30	687 Tinette	15.1	16.00	6.38	174	1.7	33°51'11'' 50°03'50''	271	2.0	TYC 742301638	9.62	19 ^h 17 ^m 35.581 ^s -30°37'55.325''	9.1	187	112.5	-18.3	103.4	-20.4	0.7	140	

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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 (%)	σ_{km}
2012/09/16 17:53:01	5111 Jacloff	10.0	15.91	2.97	2	3.0	36°18'46'' 50°03'19''	65	3.7	UCAC2 27752809	13.01	20 ^h 00 ^m 13.621 ^s −11°34'18.061''	28.5	181	125.2	-20.3	117.2	-22.6	0.7	107
2012/09/16 20:20:30	50566 EL38	7.6	17.40	5.76	72	0.6	37°05'08'' 49°39'16''	127	1.7	TYC 523700711	11.64	22 ^h 44 ^m 06.406 ^s −3°08'55.683''	36.9	176	166.4	-35.8	157.1	-41.0	0.9	159
2012/09/16 20:38:11	9096 Tamotsu	13.2	17.89	4.70	131	0.7	37°54'28'' 49°30'31''	117	2.0	UCAC2 40158144	13.20	6 ^h 11 ^m 47.193 ^s 23°53'06.619''	5.7	59	81.5	-36.7	91.8	-42.4	0.9	218
2012/09/16 23:58:25	18045 RR100	12.0	18.08	5.72	34	0.9	36°38'34'' 49°50'22''	132	2.1	UCAC2 43584404	12.36	5 ^h 16 ^m 06.010 ^s 33°45'04.278''	52.4	97	93.5	-28.8	106.2	-40.5	1.2	227
2012/09/17 01:50:03	30358 JF49	5.2	16.86	5.23	156	0.6	36°18'41'' 48°38'32''	179	0.7	TYC 117101192	11.64	23 ^h 50 ^m 46.594 ^s 8°27'40.040''	24.0	254	168.9	-13.8	172.1	-27.2	1.4	112
2012/09/17 02:24:51	15288 RN27	11.0	17.06	4.31	28	1.2	36°39'32'' 49°57'24''	111	2.8	UCAC2 44262529	12.78	3 ^h 33 ^m 59.234 ^s 35°40'02.845''	72.0	224	113.6	-8.5	127.5	-22.2	1.5	153
2012/09/17 17:31:09	1694 Kaiser	16.9	13.57	0.67	96	3.6	35°41'18'' 50°49'22''	334	3.6	UCAC2 36936677	13.74	2 ^h 20 ^m 20.559 ^s 14°40'55.912''	5.6	74	137.4	-17.6	159.0	-15.0	3.7	66
2012/09/17 20:45:02	2598 Merlin	8.3	18.19	6.01	80	1.2	35°45'08'' 49°25'13''	209	1.6	TYC 571801036	12.19	18 ^h 56 ^m 05.930 ^s −13°46'30.578''	7.1	239	108.4	-37.4	85.4	-42.7	4.3	191
2012/09/17 21:36:36	21794 SK8	6.0	17.82	6.68	175	0.7	38°43'29'' 49°54'46''	95	0.8	TYC 125800339	11.15	4 ^h 06 ^m 03.567 ^s 20°28'24.120''	32.3	96	111.7	-38.2	135.9	-47.6	4.5	140
2012/09/18 01:05:10	165137 KM79	5.5	17.73	6.44	85	0.5	36°20'51'' 50°48'41''	3	0.9	UCAC2 40268712	11.29	21 ^h 14 ^m 35.086 ^s 23°47'38.523''	17.2	287	135.7	-20.6	121.6	-43.6	5.3	224
2012/09/18 01:18:54	2542 Calpurnia	27.6	17.46	3.85	177	0.8	36°29'02'' 48°27'43''	175	3.4	UCAC2 37712626	13.64	8 ^h 32 ^m 45.956 ^s 16°34'51.915''	22.4	91	49.0	-18.7	75.3	-42.1	5.3	253
2012/09/18 01:33:24	5739 WK2	7.2	16.71	6.44	235	0.6	39°32'38'' 49°47'02''	97	0.4	TYC 586600864	10.28	2 ^h 46 ^m 03.785 ^s −18°53'12.136''	19.8	196	132.1	-16.6	142.6	-40.4	5.3	129
2012/09/18 02:10:49	3366 Godel	17.4	17.25	4.20	62	0.8	36°32'32'' 50°34'56''	17	3.1	UCAC2 36611634	13.08	6 ^h 27 ^m 50.173 ^s 13°39'10.531''	46.1	135	78.7	-10.9	104.6	-35.6	5.5	217
2012/09/18 19:35:19	6713 Coggie	7.2	16.78	5.91	97	0.7	37°32'26'' 49°43'02''	112	1.7	TYC 110900858	10.87	21 ^h 12 ^m 05.403 ^s 10°29'59.657''	49.8	196	139.9	-33.2	110.0	-29.2	10.0	117
2012/09/18 19:39:30	2086 Newell	11.5	17.23	3.92	205	0.8	35°16'56'' 51°46'45''	340	1.4	UCAC2 23698238	13.34	18 ^h 08 ^m 57.603 ^s −20°51'44.842''	3.1	232	96.0	-33.6	59.5	-29.9	10.0	202
2012/09/18 20:16:54	85581 DZ20	6.0	16.56	7.78	220	0.6	36°19'09'' 48°04'30''	179	0.1	TYC 118700893	8.78	0 ^h 33 ^m 06.668 ^s 16°19'12.422''	48.9	134	158.6	-36.4	158.9	-35.5	10.1	79
2012/09/19 02:29:03	135113 QH113	5.5	19.41	7.46	145	0.9	37°30'13'' 49°00'55''	143	0.8	TYC 237501589	11.95	4 ^h 15 ^m 53.689 ^s 32°22'46.123''	71.6	202	108.2	-8.3	147.9	-44.0	12.0	209
2012/09/19 02:29:09	2378 Pan-nekoek	32.3	16.00	2.62	25	1.6	36°09'32'' 49°50'31''	202	7.5	UCAC2 35159633	13.49	5 ^h 46 ^m 27.530 ^s 9°43'06.693''	48.1	158	89.8	-8.3	128.4	-43.9	12.1	171
2012/09/19 03:20:12	11021 Fodera	13.8	16.29	6.54	200	1.1	37°46'48'' 48°32'12''	148	1.6	HIP 5973	9.75	1 ^h 16 ^m 46.866 ^s −11°58'31.077''	5.8	244	155.3	-0.2	148.4	-37.1	12.4	156
2012/09/19 21:12:41	14420 Massey	10.0	16.33	4.71	97	1.0	37°27'07'' 49°36'24''	120	2.1	UCAC2 26135689	11.63	23 ^h 54 ^m 38.982 ^s −15°56'33.169''	24.0	175	165.1	-38.9	122.6	-38.0	18.7	154

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 (%)	σ_{km}	
2012/09/19 22:16:49	2840 Kallavesi	11.0	17.27	3.51	229	0.6	38°22'48'' 48°30'27''	139	1.0	UCAC2 40487556	13.81	6 ^h 07 ^m 28.543 ^s 24°44'31.528''	23.6	79	85.5	-37.9	137.2	-47.0	19.1	159	
2012/09/19 23:08:48	4461 Sayama	18.2	17.23	4.15	7	1.0	36°22'48'' 50°04'01''	72	2.7	UCAC2 35171150	13.11	6 ^h 21 ^m 22.588 ^s 9°46'35.038''	18.7	97	82.0	-34.6	132.2	-53.0	19.4	270	
2012/09/20 01:28:18	1438 Wende-line	41.7	17.73	6.96	242	1.2	35°25'40'' 52°09'08''	345	4.1	TYC 139301795	10.77	8 ^h 49 ^m 03.745 ^s 16°15'40.268''	22.3	91	47.1	-17.8	100.6	-57.8	20.3	268	
2012/09/20 15:46:46	43347 SM52	2000	17.39	6.04	231	1.0	39°27'18'' 49°42'10''	100	0.3	TYC 575100184	11.35	20 ^h 05 ^m 22.048 ^s -14°52'54.742''	20.5	151	122.3	-2.5	61.2	13.4	26.1	121	
2012/09/20 16:08:13	1787 Chiny	29.8	15.81	2.73	157	2.4	35°19'30'' 51°19'15''	334	4.5	UCAC2 32637867	13.17	22 ^h 51 ^m 21.545 ^s 2°11'54.882''	17.8	109	164.5	-5.9	105.3	11.4	26.3	174	
2012/09/20 16:42:10	2225 Serkowski	13.8	17.46	3.52	68	0.8	35°53'11'' 50°36'24''	335	2.5	UCAC2 21833042	13.98	17 ^h 49 ^m 41.143 ^s -24°34'21.504''	13.5	198	89.7	-11.3	27.8	7.9	26.6	208	
2012/09/20 19:09:27	365 Corduba	105.9	13.69	0.91	295	15.8	40°15'47'' 49°23'55''	104	3.0	UCAC2 29371857	13.40	20 ^h 19 ^m 07.047 ^s -7°20'09.408''	30.5	202	126.3	-31.4	64.4	-11.8	27.7	133	
2012/09/20 19:43:35	6945 Dahlgren	6.0	15.91	5.16	36	0.7	36°10'30'' 50°21'42''	347	2.6	TYC 901241	10.75	0 ^h 27 ^m 24.516 ^s 6°40'44.524''	38.1	134	168.6	-34.7	127.2	-16.9	27.9	83	
2012/09/20 20:22:46	13338 SK119	1998	16.89	4.60	93	1.6	36°22'03'' 49°12'50''	176	2.2	TYC 63700917	12.31	2 ^h 16 ^m 02.326 ^s 13°45'53.482''	34.7	112	141.7	-37.5	154.4	-22.9	28.1	136	
2012/09/20 22:17:40	518 Halawe	15.7	14.00	1.80	148	3.1	38°04'46'' 49°24'12''	119	1.8	UCAC2 36757413	12.43	2 ^h 05 ^m 58.024 ^s 14°03'24.703''	50.5	148	144.0	-38.3	150.8	-40.6	29.1	88	
2012/09/21 01:15:12	6746 Zagar	10.0	18.00	5.67	15	0.6	36°12'28'' 49°55'26''	202	2.1	UCAC2 40658305	12.34	6 ^h 07 ^m 38.008 ^s 25°20'29.491''	52.8	118	86.6	-20.0	153.2	-60.0	30.4	186	
2012/09/21 02:42:43	21652 Vasishta	11.5	16.82	4.79	12	0.7	36°12'12'' 50°08'18''	330	2.7	UCAC2 43249266	12.04	6 ^h 02 ^m 24.146 ^s 32°56'25.853''	70.5	145	87.9	-6.6	153.4	-58.9	31.0	168	
2012/09/21 17:44:52	50710 EQ133	2000	18.34	6.36	223	0.7	34°07'07'' 48°37'14''	224	0.6	TYC 696501208	11.98	22 ^h 29 ^m 35.239 ^s -26°01'12.144''	8.3	150	146.9	-21.1	75.6	6.5	37.8	198	
2012/09/21 21:29:19	2414 Vibeke	31.8	16.51	3.58	243	2.5	33°06'19'' 49°18'38''	250	2.8	UCAC2 45303260	12.97	4 ^h 38 ^m 31.514 ^s 38°49'29.485''	40.8	75	104.9	-39.8	161.4	-24.7	39.6	176	
2012/09/22 00:57:57	11359 Piteglio	5.2	18.97	8.14	129	0.7	37°15'29'' 51°01'31''	33	0.9	TYC 232800068	10.83	2 ^h 33 ^m 08.333 ^s 32°18'24.089''	69.8	215	130.8	-22.7	142.8	-54.6	41.3	176	
2012/09/22 02:02:23	4611 Vulkanifel	14.5	16.34	4.23	75	0.7	36°14'41'' 50°43'22''	358	3.3	UCAC2 36438678	12.13	6 ^h 35 ^m 30.201 ^s 13°00'22.583''	45.5	135	80.7	-13.2	159.3	-60.0	41.8	152	
2012/09/22 02:07:26	2081 Sazava	22.7	15.92	3.02	220	4.6	36°52'22'' 48°06'46''	169	1.2	UCAC2 35689862	12.97	2 ^h 37 ^m 53.135 ^s 11°12'25.849''	44.2	223	138.5	-12.4	140.8	-60.3	41.9	112	
2012/09/22 02:56:35	12044 Fabbri	10.0	16.78	4.02	160	0.8	37°24'57'' 48°48'49''	150	1.5	UCAC2 39974686	12.79	5 ^h 00 ^m 56.704 ^s 23°27'53.072''	63.2	193	102.8	-4.7	175.4	-61.2	42.2	142	
2012/09/23 01:31:17	5154 Leonov	10.5	16.66	3.37	127	0.9	35°43'07'' 51°07'30''	341	2.0	UCAC2 31969129	13.34	0 ^h 47 ^m 40.625 ^s 0°50'26.103''	25.5	237	168.3	-18.2	98.0	-51.0	52.9	148	
2012/09/23 01:33:56	24471 SH313	2000	18.09	4.80	216	1.3	36°43'25'' 51°58'03''	8	1.6	UCAC2 41819409	13.30	23 ^h 35 ^m 27.805 ^s 28°24'19.415''	35.1	274	151.0	-17.8	91.4	-51.4	52.9	459	

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 (%)	σ_{km}
2012/09/23 16:52:22	18331 DQ6	15.1	16.67	3.04	17	1.8	36°29'51" 50°06'28"	66	3.6	UCAC2	13.70	3 ^h 28 ^m 08.602 ^s 35°06'28.537"	10.3	46	121.0	-13.9	132.6	20.4	59.9	169
2012/09/24 00:32:20	1685 Toro	12.2	15.90	2.46	173	0.6	36°53'13" 48°32'38"	166	0.0	UCAC2	13.56	9 ^h 06 ^m 02.563 ^s 25°11'03.944"	19.7	74	50.2	-26.7	152.5	-33.3	63.5	48
2012/09/24 00:41:47	343 Ostara	19.1	15.28	3.17	230	1.0	37°28'02" 48°08'01"	158	0.8	UCAC2	12.17	6 ^h 06 ^m 50.583 ^s 24°46'20.380"	49.3	113	89.7	-25.5	163.9	-34.7	63.5	110
2012/09/24 03:23:34	679 Pax	51.5	14.21	0.96	188	1.5	35°28'56" 51°39'40"	342	6.6	UCAC2	13.83	9 ^h 02 ^m 18.924 ^s 17°48'46.478"	41.9	115	48.5	-0.8	155.1	-55.0	64.7	200
2012/09/24 19:51:17	29922 JZ27	10.0	17.06	5.45	219	0.9	34°25'46" 51°37'56"	323	1.0	TYC	11.61	23 ^h 23 ^m 11.468 ^s -9°16'34.832"	29.8	166	165.1	-36.9	50.9	15.4	71.8	169
2012/09/24 19:54:48	32993 AX6	5.8	19.06	6.60	109	0.6	37°17'11" 50°47'23"	41	1.0	TYC	12.46	4 ^h 53 ^m 43.220 ^s 5°02'49.431"	1.0	83	108.4	-37.2	133.9	15.0	71.9	202
2012/09/24 22:05:44	131430 OX102	6.0	17.29	6.06	90	1.0	35°33'50" 50°42'29"	325	1.1	TYC	11.24	22 ^h 09 ^m 50.912 ^s 1°50'08.318"	31.5	228	150.5	-40.2	36.4	-0.9	72.8	186
2012/09/24 23:33:48	40761 TT13	5.5	17.13	5.15	56	0.6	36°29'37" 49°33'42"	165	1.5	TYC	11.99	23 ^h 36 ^m 52.452 ^s -9°12'09.656"	21.5	223	167.3	-33.9	52.2	-13.8	73.3	135
2012/09/24 23:49:53	4141 Nintan-lena	14.9	18.10	6.74	30	0.7	35°58'41" 50°13'53"	313	2.4	TYC	11.37	6 ^h 59 ^m 14.486 ^s 31°01'35.725"	37.7	85	79.5	-32.2	158.5	-16.3	73.4	245
2012/09/25 00:46:00	21153 MF1	6.6	16.79	5.14	69	1.0	36°46'17" 50°35'22"	30	1.8	TYC	11.66	1 ^h 16 ^m 56.602 ^s 30°57'44.038"	59.2	244	145.7	-25.2	87.7	-24.9	73.8	124
2012/09/25 21:34:37	998 Bodea	38.2	15.93	4.24	262	6.6	32°56'39" 49°07'08"	247	2.1	UCAC2	11.71	3 ^h 49 ^m 26.099 ^s 40°50'23.087"	53.0	84	116.8	-41.3	108.7	13.0	81.5	148
2012/09/26 01:15:26	1016 Anitra	13.8	15.72	3.17	4	0.8	36°20'47" 50°02'26"	100	4.7	UCAC2	12.61	6 ^h 05 ^m 25.294 ^s 29°02'45.846"	58.8	120	92.0	-21.3	135.7	-18.7	82.8	117
2012/09/26 16:11:54	11560 FU24	5.2	18.77	7.44	33	0.5	36°34'20" 49°48'35"	142	1.2	TYC	11.33	19 ^h 27 ^m 17.031 ^s -22°58'16.417"	16.9	174	106.2	-8.6	33.1	22.3	87.5	177
2012/09/26 17:11:40	7177 1990 TF	8.3	16.03	5.13	72	1.3	36°01'16" 49°25'13"	195	2.2	TYC	10.91	22 ^h 17 ^m 57.082 ^s -4°38'55.349"	27.9	140	150.3	-18.0	11.6	27.6	87.8	126
2012/09/26 19:59:57	7639 Offutt	8.7	18.89	7.76	101	0.6	36°47'58" 49°12'13"	159	1.4	TYC	11.13	6 ^h 06 ^m 33.769 ^s 22°43'43.422"	5.7	61	92.4	-38.4	126.7	29.8	88.6	218
2012/09/26 23:31:07	670 Ottegebe	34.1	14.11	1.34	166	2.3	36°28'46" 48°33'58"	175	4.9	UCAC2	13.15	5 ^h 59 ^m 24.418 ^s 15°22'01.222"	34.3	108	94.2	-34.8	123.6	7.7	89.6	144
2012/09/27 02:04:08	1474 Beira	9.7	13.86	1.71	168	0.9	33°59'33" 50°23'44"	283	0.1	TYC	12.41	22 ^h 13 ^m 52.251 ^s 36°11'38.975"	21.2	302	135.4	-14.2	43.9	-15.4	90.2	60
2012/09/27 02:11:52	25159 SN57	6.6	16.44	5.00	128	0.8	35°57'43" 51°10'40"	350	1.2	TYC	11.45	1 ^h 03 ^m 06.303 ^s 3°48'54.829"	22.0	248	167.9	-13.0	48.4	-16.6	90.3	108
2012/09/27 19:06:31	4918 Ros-tropovich	11.9	18.61	5.27	155	0.7	34°39'21" 50°58'27"	312	1.8	UCAC2	13.34	18 ^h 11 ^m 07.583 ^s -21°32'19.585"	2.5	231	87.7	-33.8	64.6	35.6	94.2	189
2012/09/28 03:13:06	3321 Dasha	10.0	17.10	3.76	189	0.6	35°44'57" 48°23'06"	192	1.2	UCAC2	13.37	6 ^h 25 ^m 20.107 ^s 15°11'55.375"	55.2	172	89.1	-3.5	114.9	-15.2	95.7	154

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 (%)	σ_{km}
2012/09/28 15:33:04	732 Tjilaki	37.6	15.52	2.32	127	0.9	36°33'25" 51°10'25"	9	5.9	UCAC2 28740232	13.34	14 ^h 58 ^m 58.767 ^s −8°46'33.680"	15.7	235	39.8	−3.1	122.2	12.5	97.6	212
2012/09/28 17:12:20	8991 Solidar- ity	9.5	17.50	6.18	123	0.6	35°11'01" 50°53'60"	320	1.7	TYC 628902661	11.32	18 ^h 54 ^m 19.593 ^s −20°13'09.618"	17.9	198	96.9	−18.8	66.3	26.7	97.8	176
2012/09/28 20:35:43	3618 Kuprin	11.0	17.17	5.64	238	1.0	38°32'10" 48°29'35"	137	1.0	UCAC2 24477326	11.54	19 ^h 35 ^m 19.928 ^s −19°10'43.613"	3.3	235	106.5	−41.4	58.4	40.8	98.1	175
2012/09/28 21:03:00	90716 1991 GY8	5.5	18.41	6.04	11	0.6	36°13'59" 49°57'07"	200	1.5	TYC 122901112	12.37	2 ^h 46 ^m 25.624 ^s 20°53'05.930"	46.4	116	140.2	−42.3	54.1	40.2	98.2	145
2012/09/29 17:23:03	18439 1994 LJ1	7.2	18.75	7.91	29	0.5	36°40'37" 50°07'14"	74	1.4	TYC 740901548	10.84	18 ^h 59 ^m 16.399 ^s −31°21'38.054"	6.6	198	95.9	−20.8	80.0	25.9	99.7	211
2012/09/29 20:55:51	8119 1997 TP25	7.2	16.34	5.34	210	0.8	34°35'57" 51°36'01"	325	0.5	HIP 2331	11.01	0 ^h 29 ^m 49.261 ^s 2°28'56.181"	42.1	169	178.9	−42.5	6.2	45.4	99.8	121
2012/09/30 00:32:13	3622 Ilinsky	15.8	16.59	8.05	181	1.6	36°44'38" 48°26'50"	170	1.2	HIP 9072	8.54	1 ^h 56 ^m 47.320 ^s 17°30'42.415"	52.3	220	153.3	−28.5	27.5	29.5	99.9	97
2012/09/30 00:46:04	1092 Lilium	46.2	16.84	3.00	178	1.8	36°56'18" 48°30'15"	165	5.9	UCAC2 39663900	13.91	8 ^h 09 ^m 03.153 ^s 22°18'37.216"	32.7	94	67.5	−26.6	113.5	27.6	99.9	232
2012/09/30 02:00:16	16974 1998 WR21	38.0	17.70	4.31	91	1.4	36°39'04" 50°49'48"	17	3.4	UCAC2 34278367	13.41	8 ^h 29 ^m 00.842 ^s 7°01'36.799"	29.4	117	60.0	−15.6	121.4	16.8	99.9	439
2012/09/30 17:48:06	54854 2001 OU20	7.6	17.95	6.73	55	1.5	37°03'16" 50°06'49"	82	1.5	TYC 52301281	11.22	20 ^h 42 ^m 57.196 ^s 5°52'20.223"	46.0	183	123.7	−24.8	61.1	26.6	99.5	189
2012/09/30 19:43:49	54646 2000 SS291	11.0	19.15	6.73	44	0.7	36°41'45" 49°45'15"	138	1.1	UCAC2 35865548	12.42	1 ^h 11 ^m 49.877 ^s 11°48'49.832"	42.0	130	166.2	−38.7	5.4	42.0	99.5	412
2012/09/30 19:57:23	923 Herluga	32.5	13.97	2.61	71	3.3	35°21'32" 50°17'28"	292	10.2	TYC 59200384	11.47	23 ^h 45 ^m 07.722 ^s 5°52'52.893"	45.1	165	168.7	−39.8	17.2	43.4	99.4	95
2012/09/30 21:20:20	22745 Rikuzen- takata	6.9	18.90	8.43	99	0.7	37°39'01" 49°53'54"	100	1.3	TYC 187400382	10.47	5 ^h 47 ^m 55.790 ^s 29°29'27.983"	28.0	76	100.5	−43.3	70.6	49.2	99.4	187

