

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 2.3.1
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 194

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 1		LinOccult 2.3.1			
		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}
2019/03/01 03:35:57	3543 Ningbo	13.2	17.31	4.21	208	0.6	35°26'51'' 48°15'32''	197	1.3 3.7	UCAC4 343-87611	13.12	16 ^h 55 ^m 41.823 ^s -21°35'05.837''	18.4	175	84.9	-7.6	25.1	13.1	25.0	143
2019/03/01 15:37:39	2965 Surikov	10.5	16.98	4.45	233	0.7	33°14'19'' 50°50'06''	292	0.4 3.9	UCAC4 507-10387	12.55	5 ^h 16 ^m 14.878 ^s 11°22'44.144''	50.8	166	98.4	-4.4	151.0	-49.2	20.9	108
2019/03/01 16:45:40	7419 1991 PN13	8.7	17.25	7.09	146	1.0	34°59'17'' 51°03'54''	321	1.3 3.1	TYC 1942-64-1	10.16	8 ^h 33 ^m 52.570 ^s 24°49'55.512''	49.4	113	143.6	-15.4	160.9	-57.2	20.6	111
2019/03/01 18:35:40	1544 Vinter-hansenia	21.7	16.16	2.32	78	1.4	36°06'19'' 49°21'11''	190	6.1 7.9	UCAC4 577-12812	13.98	4 ^h 57 ^m 09.748 ^s 25°19'30.797''	50.6	246	95.2	-32.1	148.0	-61.4	20.0	109
2019/03/01 20:06:33	6024 Ochano-mizu	8.7	17.25	5.35	30	0.7	36°01'05'' 49°50'19''	220	3.2 3.3	UCAC4 618-22490	11.91	5 ^h 22 ^m 38.890 ^s 33°25'55.327''	45.9	270	101.2	-42.9	151.6	-54.4	19.5	105
2019/03/02 02:29:52	11303 1993 CA1	9.1	15.71	2.33	180	0.8	36°20'01'' 51°39'60''	1	0.6 4.0	UCAC4 451-50674	13.52	10 ^h 37 ^m 10.541 ^s 0°06'53.002''	10.3	258	172.0	-17.9	130.4	1.3	17.5	91
2019/03/02 03:01:21	1533 Saimaa	26.1	16.74	5.87	239	0.9	36°17'20'' 47°54'01''	180	2.3 6.0	UCAC4 381-118726	10.87	18 ^h 34 ^m 42.898 ^s -13°49'40.667''	18.3	142	62.8	-12.9	16.0	5.1	17.4	175
2019/03/02 16:12:56	87 Sylvia	260.9	13.31	0.71	118	11.2	35°49'04'' 51°04'00''	344	43.3 51.3	UCAC4 545-7173	13.39	3 ^h 34 ^m 12.267 ^s 18°58'27.633''	52.8	223	74.3	-9.9	117.5	-46.6	13.6	188
2019/03/02 16:31:57	2455 Somville	14.5	16.88	3.51	73	0.6	36°17'40'' 50°42'08''	0	3.7 4.3	UCAC4 574-8602	13.42	3 ^h 47 ^m 24.695 ^s 24°41'53.594''	57.0	230	78.6	-12.9	121.6	-49.2	13.5	134
2019/03/02 17:14:42	571 Dulcinea	44.5	15.20	2.32	82	4.0	35°59'39'' 50°45'33''	345	13.0 19.7	UCAC4 537-49737	13.01	9 ^h 55 ^m 49.529 ^s 17°17'22.734''	36.3	107	163.0	-19.7	153.4	-54.4	13.4	89
2019/03/02 17:25:25	1175 Margo	33.1	15.41	2.78	118	3.2	35°16'37'' 49°12'38''	218	6.6 9.5	UCAC4 439-44452	12.72	8 ^h 17 ^m 13.240 ^s -2°14'59.769''	33.1	148	140.2	-21.4	156.9	-55.5	13.3	138
2019/03/02 17:52:07	14012 Amedee	11.0	16.92	5.60	101	1.0	36°20'05'' 49°08'27''	178	2.5 3.5	UCAC4 599-46722	11.33	9 ^h 41 ^m 50.719 ^s 29°42'37.317''	53.4	108	152.0	-25.5	156.4	-57.9	13.2	123
2019/03/02 19:11:21	1033 Simona	24.8	16.57	3.32	246	0.8	36°07'57'' 47°50'22''	183	2.2 5.3	UCAC4 492-3967	13.31	2 ^h 46 ^m 57.537 ^s 8°16'41.351''	11.1	270	60.5	-36.5	102.0	-60.6	12.8	187
2019/03/02 19:36:48	2447 Kronstadt	8.7	17.70	4.26	37	1.0	36°06'46'' 50°21'22''	340	2.7 2.8	UCAC4 536-22821	13.46	6 ^h 01 ^m 12.428 ^s 17°07'40.361''	44.0	239	108.5	-39.5	149.7	-59.9	12.8	122
2019/03/02 20:53:37	20866 2000 VP37	8.7	16.83	5.61	71	0.8	37°05'47'' 50°25'23''	54	2.7 3.4	UCAC4 325-61892	11.23	10 ^h 16 ^m 40.566 ^s -25°03'44.571''	14.9	176	146.5	-45.9	125.2	-53.6	12.4	103
2019/03/02 21:38:41	1590 Tsiolkovskaja	13.3	14.53	2.07	212	1.3	34°42'15'' 48°26'59''	212	0.1 7.1	UCAC4 442-53027	12.63	11 ^h 08 ^m 16.948 ^s -1°37'35.939''	38.3	173	170.4	-47.3	131.8	-47.9	12.2	75
2019/03/02 22:58:54	12316 1992 HG	12.0	17.38	17.38	32	2.3	36°01'32'' 49°48'48''	216	7.4 8.7	UCAC4 383-64645	0.00	13 ^h 26 ^m 19.451 ^s -13°35'28.664''	24.1	159	136.6	-44.6	96.5	-36.2	11.9	55
2019/03/03 01:12:09	2081 Sazava	22.7	16.68	4.45	168	0.9	37°58'12'' 51°06'42''	45	3.2 6.2	UCAC4 338-98153	12.25	17 ^h 28 ^m 00.977 ^s -22°31'21.442''	6.4	137	79.3	-29.5	40.1	-15.5	11.3	145
2019/03/03 01:21:04	1804 Chebotarev	12.0	15.57	2.09	31	1.3	36°07'10'' 49°47'23''	203	4.6 4.8	UCAC4 521-49132	13.65	9 ^h 33 ^m 06.136 ^s 14°07'58.145''	21.2	267	159.1	-28.2	161.8	-14.1	11.2	100
2019/03/03 03:27:45	4500 Pascal	18.6	19.13	5.57	208	0.9	37°04'36'' 51°50'41''	16	2.2 3.7	UCAC4 347-103224	13.57	17 ^h 33 ^m 33.974 ^s -20°37'10.031''	18.3	166	78.2	-8.3	40.2	3.7	10.7	199

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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}
2019/03/03 15:54:23	3351 Smith	8.7	18.23	5.18	14	0.8	36°27'19" 49°58'59"	121	2.4	UCAC4 492-17539	13.06	6 ^h 01 ^m 11.504 ^s 8°12'51.708"	46.7	159	107.1	-6.6	137.5	-35.7	7.9	143
2019/03/03 16:38:09	1813 Imhotep	24.7	17.22	4.37	31	1.7	36°21'27" 50°19'18"	9	7.0	UCAC4 601-14491	12.87	4 ^h 47 ^m 06.416 ^s 30°06'03.615"	67.2	216	91.6	-13.7	123.7	-42.1	7.8	136
2019/03/03 23:37:42	1133 Lugduna	11.9	16.98	3.43	36	0.8	35°54'00" 50°14'57"	309	3.9	UCAC4 350-80554	13.59	16 ^h 22 ^m 50.972 ^s -20°00'07.495"	5.6	131	95.6	-40.9	66.6	-35.9	6.3	115
2019/03/03 23:58:10	2811 Strem-chovi	14.5	16.96	3.65	170	3.1	38°03'01" 51°05'12"	47	1.9	UCAC4 358-71955	13.34	15 ^h 04 ^m 55.744 ^s -18°30'50.585"	16.9	151	113.8	-38.8	85.0	-32.7	6.3	128
2019/03/04 00:04:58	30955 Weiser	8.7	17.76	4.09	113	0.9	34°44'28" 49°49'32"	257	1.8	UCAC4 604-29025	13.70	6 ^h 05 ^m 50.061 ^s 30°38'24.393"	12.9	303	108.3	-38.0	137.1	-31.7	6.3	137
2019/03/04 02:12:17	18865 1999 RQ204	9.1	18.74	6.58	102	0.5	35°12'04" 49°27'35"	230	1.8	UCAC4 306-105070	12.16	17 ^h 00 ^m 29.748 ^s -28°51'00.181"	8.3	159	86.0	-20.1	58.1	-11.8	5.9	172
2019/03/04 02:40:09	6139 Naomi	12.0	17.04	3.35	110	0.5	35°03'53" 49°26'58"	233	2.6	UCAC4 301-135092	13.74	17 ^h 30 ^m 39.474 ^s -29°52'57.357"	7.2	159	79.4	-15.7	51.7	-7.6	5.8	127
2019/03/04 02:41:44	9175 Graun	12.0	17.25	3.71	233	0.5	38°43'54" 48°40'58"	131	0.8	UCAC4 258-112765	13.57	17 ^h 04 ^m 27.394 ^s -38°33'50.083"	0.1	166	84.4	-15.4	57.4	-7.3	5.8	133
2019/03/04 03:22:17	399 Persephone	49.1	14.86	1.51	95	1.7	36°33'21" 49°12'55"	168	9.2	UCAC4 274-175883	13.66	18 ^h 32 ^m 54.303 ^s -35°18'25.536"	0.8	156	66.7	-8.9	39.8	-1.5	5.7	186
2019/03/04 17:27:03	10505 1988 BN4	10.5	17.92	5.11	150	0.9	35°41'51" 48°45'20"	196	1.7	UCAC4 560-15165	12.82	5 ^h 21 ^m 03.161 ^s 21°54'35.201"	58.0	216	97.4	-21.1	118.4	-40.4	3.4	148
2019/03/04 18:08:47	2455 Somville	14.5	16.90	3.74	244	0.6	37°27'11" 52°06'47"	20	0.8	UCAC4 574-8798	13.20	3 ^h 50 ^m 19.418 ^s 24°44'21.754"	42.2	258	77.2	-27.4	98.1	-45.9	3.3	136
2019/03/04 18:16:27	28352 1999 FF31	10.5	17.36	4.16	186	1.7	38°35'45" 49°17'51"	117	1.1	UCAC4 513-33961	13.23	6 ^h 55 ^m 30.160 ^s 12°28'04.007"	52.0	194	119.6	-28.5	139.1	-46.8	3.3	130
2019/03/04 18:18:57	4657 Lopez	9.5	17.88	4.08	241	0.9	36°59'35" 52°09'54"	12	0.6	UCAC4 569-20052	13.82	5 ^h 49 ^m 11.220 ^s 23°43'32.795"	57.0	227	103.9	-28.9	124.6	-47.1	3.3	137
2019/03/04 19:55:53	899 Jokaste	27.7	15.27	2.69	36	1.8	36°16'29" 49°43'40"	181	7.9	UCAC4 533-12010	12.68	5 ^h 10 ^m 51.147 ^s 16°30'19.604"	31.9	257	94.4	-40.8	114.0	-55.2	3.1	134
2019/03/04 23:28:24	629 Bernardina	33.1	16.02	2.74	203	2.0	37°50'55" 51°34'49"	33	3.9	UCAC4 359-82684	13.38	17 ^h 04 ^m 00.744 ^s -18°21'53.816"	0.9	121	87.2	-41.4	69.1	-41.6	2.6	197
2019/03/04 23:38:53	3702 Trubetskaya	17.2	16.08	2.38	68	1.3	37°00'19" 50°26'45"	49	4.6	UCAC4 574-45144	13.83	10 ^h 02 ^m 28.017 ^s 24°40'47.978"	48.5	249	156.9	-40.4	170.5	-40.1	2.6	129
2019/03/04 23:58:17	696 Leonora	75.8	14.86	1.82	204	5.2	35°58'31" 48°13'27"	186	7.7	UCAC4 372-61345	13.27	11 ^h 51 ^m 45.061 ^s -15°41'30.140"	22.0	201	154.5	-38.4	137.7	-37.4	2.6	142
2019/03/05 17:42:05	1599 Gionus	39.5	15.82	2.51	221	2.8	36°12'57" 52°02'03"	359	3.9	UCAC4 522-50715	13.42	11 ^h 03 ^m 34.104 ^s 14°15'53.297"	29.5	103	171.8	-23.2	171.7	-33.6	0.9	167
2019/03/05 18:37:33	9173 1989 TZ15	10.0	18.23	7.48	172	0.8	37°53'23" 51°12'52"	41	1.4	UCAC4 611-19821	10.75	5 ^h 17 ^m 55.800 ^s 32°09'01.025"	56.0	253	96.3	-31.2	106.4	-41.1	0.8	155
2019/03/05 21:19:46	8962 Noctua	8.7	18.50	4.66	200	0.5	37°53'03" 51°31'52"	35	1.0	UCAC4 584-14015	13.86	4 ^h 53 ^m 22.242 ^s 26°44'54.806"	22.5	285	90.4	-45.8	99.2	-52.5	0.6	158

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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}
2019/03/06 03:00:17	1495 Helsinki	18.4	16.25	2.94	214	0.5	34°55'21'' 48°20'23''	207	1.5	UCAC4 284-190140	13.39	18 ^h 45 ^m 57.884 ^s −33°22'21.019''	0.6	150	65.7	-11.8	59.2	-13.3	0.4	134
2019/03/06 15:55:55	28388 JM86	8.7	17.97	4.56	171	0.5	37°27'21'' 48°42'40''	151	1.2	UCAC4 509-10417	13.43	5 ^h 16 ^m 36.909 ^s 11°45'57.625''	51.9	180	93.6	-6.1	92.9	-7.9	0.1	136
2019/03/06 18:45:47	12391 Ecoal- achi	8.7	17.75	6.04	20	0.6	36°05'37'' 49°55'20''	225	2.6	UCAC4 520-53159	11.72	11 ^h 56 ^m 52.790 ^s 13°56'48.266''	31.5	107	165.2	-32.0	169.1	-33.2	0.1	131
2019/03/06 19:54:02	5406 Jon- joseph	10.5	18.08	4.67	153	0.5	35°24'08'' 48°48'11''	205	1.7	UCAC4 541-8538	13.42	4 ^h 12 ^m 53.476 ^s 18°08'22.147''	22.9	271	79.0	-40.0	77.1	-41.4	0.1	153
2019/03/07 16:02:44	1478 Vihuri	9.9	16.83	3.56	222	0.8	35°21'24'' 48°08'54''	197	0.4	UCAC4 587-23165	13.31	5 ^h 59 ^m 39.157 ^s 27°18'09.700''	66.7	162	103.4	-6.9	92.7	0.9	1.1	102
2019/03/07 19:40:44	3313 Mendel	12.0	16.06	3.27	234	1.1	34°46'56'' 48°11'41''	208	0.3	UCAC4 425-52734	12.84	9 ^h 58 ^m 25.205 ^s −5°04'34.450''	33.9	164	159.1	-38.3	147.0	-31.2	1.4	99
2019/03/07 22:24:45	404 Arsinoe	97.7	14.28	1.13	104	6.6	35°34'11'' 49°14'27''	210	21.5	UCAC4 569-13033	13.62	4 ^h 56 ^m 18.765 ^s 23°44'54.107''	9.7	296	88.7	-44.6	74.9	-43.9	1.6	133
2019/03/07 23:05:09	17802 FA71	9.5	18.38	4.71	189	0.6	33°39'41'' 49°51'00''	263	1.2	UCAC4 649-26605	13.68	5 ^h 11 ^m 40.790 ^s 39°39'38.695''	18.6	310	93.4	-42.2	81.1	-43.8	1.7	167
2019/03/07 23:43:54	27010 FR13	8.3	17.85	4.39	19	0.6	36°23'58'' 50°11'57''	26	2.5	UCAC4 493-58701	13.48	12 ^h 15 ^m 30.651 ^s 8°35'15.448''	47.2	200	163.8	-38.8	175.1	-42.3	1.8	131
2019/03/08 15:40:00	90 Antiope	120.1	14.47	1.08	257	13.0	35°59'34'' 52°21'09''	355	9.3	UCAC4 574-18834	13.89	5 ^h 45 ^m 13.401 ^s 24°41'38.698''	64.0	161	99.1	-3.0	77.4	14.1	3.8	172
2019/03/08 20:35:48	1346 Gotha	15.1	16.25	3.11	93	1.9	35°57'59'' 49°14'20''	194	3.5	UCAC4 432-59080	13.21	14 ^h 38 ^m 18.691 ^s −3°40'12.304''	11.0	109	128.5	-42.7	153.0	-28.8	4.6	135
2019/03/08 22:56:31	1518 Rovantemi	11.0	15.92	3.41	79	1.4	35°11'32'' 49°56'06''	261	3.3	UCAC4 612-37283	12.55	7 ^h 01 ^m 29.172 ^s 32°14'12.413''	29.4	286	114.9	-42.5	90.8	-39.2	5.0	84
2019/03/09 01:50:43	3155 Lee	11.0	17.50	4.01	166	0.5	37°48'12'' 51°11'18''	40	1.5	UCAC4 314-111334	13.52	17 ^h 30 ^m 21.926 ^s −27°17'34.036''	7.7	152	84.5	-21.7	110.7	-30.8	5.5	130
2019/03/09 19:30:01	4840 Otay- nang	27.8	17.07	3.53	41	5.3	36°28'43'' 49°41'54''	161	7.7	UCAC4 489-30247	13.58	6 ^h 49 ^m 32.362 ^s 7°44'44.820''	39.4	225	113.2	-36.5	78.2	-10.5	9.2	138
2019/03/09 22:32:48	2872 Gentelec	14.7	16.78	3.03	65	1.1	36°46'18'' 50°32'33''	32	4.3	UCAC4 554-19670	13.82	5 ^h 53 ^m 33.917 ^s 20°47'07.025''	13.7	286	99.7	-43.4	63.2	-31.5	10.0	116
2019/03/10 15:32:08	7206 Shiki	10.0	18.36	4.69	80	0.6	36°43'53'' 49°23'37''	156	2.2	UCAC4 544-13300	13.68	5 ^h 15 ^m 27.850 ^s 18°42'13.149''	58.9	177	89.9	-1.2	45.2	34.7	14.6	162
2019/03/10 16:40:32	7755 Haute- Provence	11.5	16.28	2.47	38	1.0	36°16'01'' 50°23'32''	358	4.0	UCAC4 474-47607	13.92	11 ^h 55 ^m 29.995 ^s 4°46'00.706''	7.3	91	171.5	-12.2	142.5	25.2	14.9	107
2019/03/10 19:39:58	3863 Gilyarovskij	8.3	17.37	4.82	147	1.2	38°14'15'' 50°29'19''	71	1.2	UCAC4 506-46467	12.56	8 ^h 15 ^m 56.116 ^s 11°06'29.933''	49.2	204	133.4	-37.3	86.8	-2.0	15.8	104
2019/03/10 20:42:35	6112 Ludolf- schultz	9.5	18.35	4.49	225	0.6	33°58'45'' 48°41'49''	228	0.9	UCAC4 421-53918	13.88	10 ^h 35 ^m 40.525 ^s −5°53'15.082''	34.1	175	164.7	-42.4	123.3	-10.9	16.1	162
2019/03/11 01:20:28	16686 PL9	9.5	18.27	5.20	242	1.4	34°49'21'' 48°05'60''	206	0.7	UCAC4 599-36768	13.08	6 ^h 50 ^m 59.857 ^s 29°44'29.257''	4.8	312	111.0	-25.5	62.8	-30.0	17.6	156

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2019/03/11 01:40:46	282 Clorinde	39.0	16.15	3.02	213	1.4	35°08'13" 48°17'22"	203	3.8 10.3	UCAC4 374-145783	13.20	18 ^h 51 ^m 54.118 ^s −15°22'36.178"	9.8	129	67.5	-22.5	117.2	-29.4	17.7	151
2019/03/11 03:20:22	1136 Mercedes	25.3	16.16	2.77	26	0.7	36°34'24" 49°54'01"	129	6.9 7.0	UCAC4 378-161024	13.48	19 ^h 40 ^m 38.530 ^s −14°26'16.952"	16.6	139	55.8	-6.8	106.2	-22.4	18.2	144
2019/03/11 17:50:42	6941 Dal-garno	10.5	16.82	3.76	2	1.1	36°18'34" 50°03'02"	78	3.6 3.6	UCAC4 478-23259	13.09	6 ^h 37 ^m 10.412 ^s 5°30'19.627"	44.2	199	108.2	-22.8	52.2	24.9	23.2	116
2019/03/11 19:40:06	28938 2000 SR311	12.0	18.09	4.40	68	1.1	35°46'46" 49°32'08"	212	2.6 2.8	UCAC4 537-19306	13.71	5 ^h 48 ^m 59.427 ^s 17°19'14.822"	36.6	252	96.6	-36.9	38.3	8.2	23.8	170
2019/03/11 20:30:52	13445 3063 P-L	9.5	17.50	5.48	168	0.8	35°14'28" 48°41'47"	206	1.3 2.8	UCAC4 398-53149	12.03	12 ^h 04 ^m 36.233 ^s −10°34'28.246"	24.8	150	162.8	-41.3	134.0	0.6	24.1	136
2019/03/12 01:07:51	1587 Kahrstedt	19.1	16.56	3.46	259	1.3	33°08'20" 48°56'33"	241	1.0 5.3	UCAC4 299-110911	13.15	17 ^h 05 ^m 53.565 ^s −30°16'19.068"	4.3	151	92.6	-26.9	151.1	-25.9	25.9	143
2019/03/12 02:06:25	2153 Akiyama	16.8	18.29	5.54	140	1.3	37°24'08" 51°04'55"	35	2.8 3.7	UCAC4 334-92973	12.76	17 ^h 10 ^m 07.071 ^s −23°15'37.865"	14.6	161	92.4	-18.2	153.4	-25.9	26.3	180
2019/03/12 03:24:29	417 Suevia	40.7	15.21	4.81	206	1.0	36°28'23" 48°12'07"	176	4.8 7.8	TYC 5776-1441-1	10.41	21 ^h 17 ^m 22.046 ^s −10°33'08.318"	8.8	118	32.9	-5.8	95.0	-22.3	26.8	208
2019/03/12 17:53:16	27217 1999 CC154	8.7	18.41	5.28	98	1.2	36°18'07" 50°55'28"	1	1.9 2.3	UCAC4 556-30780	13.14	6 ^h 35 ^m 26.194 ^s 21°00'30.852"	58.6	209	106.7	-22.9	37.4	34.7	32.4	149
2019/03/12 20:05:39	11734 1998 KM55	11.0	16.33	2.49	67	1.7	35°28'21" 49°44'37"	240	3.6 4.7	UCAC4 356-67135	13.96	13 ^h 31 ^m 00.289 ^s −18°57'06.666"	5.8	129	142.7	-39.0	143.9	14.5	33.3	92
2019/03/12 21:13:49	1547 Nele	23.4	14.81	1.54	52	1.1	36°49'20" 50°22'00"	47	7.2 7.9	UCAC4 569-15273	13.58	5 ^h 11 ^m 15.286 ^s 23°36'36.269"	19.7	284	87.1	-43.0	16.9	4.4	33.8	119
2019/03/12 22:57:08	1290 Alber-tine	9.1	16.58	4.60	76	0.8	36°47'54" 50°38'41"	29	2.8 4.0	UCAC4 406-55165	11.99	12 ^h 10 ^m 51.948 ^s −8°51'19.019"	30.8	189	164.2	-40.9	121.5	-9.2	34.5	92
2019/03/12 23:50:47	6390 Hirabayashi	9.1	17.66	3.77	52	0.6	36°20'03" 49°35'04"	176	2.5 2.7	UCAC4 585-17021	13.92	5 ^h 30 ^m 44.590 ^s 26°48'42.435"	2.5	310	91.6	-36.2	20.8	-14.9	34.9	134
2019/03/13 01:33:02	2064 Thom-sen	13.7	16.11	3.14	22	0.7	36°06'25" 50°12'17"	324	5.6 5.7	UCAC4 302-95301	13.03	16 ^h 44 ^m 20.421 ^s −29°38'15.211"	8.2	162	98.3	-22.9	165.9	-21.7	35.6	96
2019/03/13 02:58:01	6905 Miyazaki	15.8	16.87	3.41	184	0.6	38°39'42" 50°42'40"	66	1.9 4.5	UCAC4 304-234181	13.50	18 ^h 33 ^m 27.734 ^s −29°15'49.552"	7.2	156	74.7	-9.8	147.0	-22.4	36.2	141
2019/03/13 16:28:07	27552 2000 JZ32	9.1	18.13	4.70	59	0.7	36°11'19" 50°34'12"	353	2.2 2.4	UCAC4 530-20823	13.44	5 ^h 57 ^m 54.953 ^s 15°49'05.790"	55.8	188	96.9	-9.5	16.7	54.5	42.0	153
2019/03/13 17:26:12	10808 Diger-rojr	8.7	17.96	4.84	154	1.7	38°21'14" 49°40'40"	106	1.3 2.6	UCAC4 520-42470	13.13	7 ^h 33 ^m 07.339 ^s 13°59'31.353"	54.0	173	119.9	-18.6	39.1	48.0	42.4	136
2019/03/13 18:16:43	63184 2000 YL91	9.1	19.10	8.04	212	0.7	36°46'25" 51°55'29"	9	1.0 1.8	TYC 303-301-1	11.06	13 ^h 25 ^m 49.873 ^s 3°51'04.177"	9.5	95	151.8	-26.0	124.1	41.1	42.8	200
2019/03/13 18:32:12	1781 Van Biesbroeck	9.1	16.54	3.15	48	1.0	36°12'06" 50°28'43"	353	3.5 4.0	UCAC4 562-48841	13.46	10 ^h 08 ^m 54.441 ^s 22°17'17.816"	55.4	133	151.8	-28.1	72.8	38.8	42.9	91
2019/03/13 19:17:51	17308 6079 P-L	8.7	17.54	3.72	161	0.8	34°09'43" 50°33'25"	290	1.2 2.7	UCAC4 649-46384	13.85	8 ^h 28 ^m 39.195 ^s 39°37'07.701"	77.8	217	124.4	-33.9	49.8	32.0	43.3	130

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 5		LinOccult 2.3.1			
		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}	
2019/03/13 19:31:25	16528 Terakado	9.1	16.69	3.65	131	0.7	36°32'41" 51°12'38"	8	1.6	UCAC4 530-53291	13.08	11 ^h 49 ^m 50.691 ^s 15°50'23.848"	44.7	125	166.4	-35.4	96.9	29.9	43.4	101	
2019/03/13 23:05:31	9362 Miyajima	8.7	18.32	4.61	54	0.8	35°39'15" 49°47'08"	237	2.3	UCAC4 338-85093	13.72	16 ^h 44 ^m 25.896 ^s -22°32'48.344"	1.7	129	100.2	-39.9	174.4	-1.5	45.0	141	
2019/03/13 23:57:12	992 Swasey	27.3	15.23	2.64	83	4.2	36°46'17" 49°22'25"	155	7.1	UCAC4 475-41834	12.68	8 ^h 25 ^m 00.366 ^s 4°49'02.191"	9.7	266	132.9	-35.1	50.6	-7.7	45.3	121	
2019/03/14 00:15:00	7083 Kant	12.3	18.85	5.06	170	0.9	37°39'28" 51°17'60"	35	1.8	UCAC4 336-94617	13.80	17 ^h 14 ^m 35.074 ^s -22°59'26.583"	5.9	137	93.3	-33.1	176.3	-9.6	45.5	164	
2019/03/14 00:31:40	897 Lysistrata	21.9	15.01	1.97	223	1.2	38°39'41" 51°22'11"	49	1.2	UNKNOWN UN- KNOWN	13.24	17 ^h 18 ^m 41.444 ^s -29°13'57.556"	1.7	143	91.9	-31.0	170.2	-11.3	45.7	117	
2019/03/14 01:24:08	4164 Shilov	12.0	17.93	4.07	109	0.6	35°52'28" 50°59'20"	344	2.4	UCAC4 367-107475	13.88	17 ^h 52 ^m 04.173 ^s -16°37'33.985"	15.0	141	84.9	-23.9	169.5	-15.7	46.0	156	
2019/03/14 17:55:57	4507 Petercollins	13.8	15.77	2.32	119	1.2	36°37'52" 51°05'26"	12	2.8	UCAC4 489-53654	13.59	11 ^h 22 ^m 46.064 ^s 7°44'52.976"	29.0	115	173.8	-22.7	81.1	52.8	53.5	104	
2019/03/14 18:57:32	2168 Swope	10.0	16.30	8.75	156	0.8	35°37'45" 48°42'45"	198	0.0	HIP 57133	7.55	11 ^h 42 ^m 49.818 ^s -3°32'43.188"	25.1	131	173.7	-31.1	89.2	44.6	54.0	40	
2019/03/14 21:15:12	5947 Bonnie	12.0	17.53	4.29	108	1.1	37°06'33" 50°51'49"	33	1.9	UCAC4 592-24485	13.26	5 ^h 58 ^m 27.903 ^s 28°20'55.248"	29.0	281	95.9	-42.3	7.2	23.8	55.0	218	
2019/03/14 22:44:07	48832 YR3	8.7	17.38	3.67	141	0.6	35°02'27" 51°02'13"	321	1.5	UCAC4 492-18768	13.74	6 ^h 05 ^m 37.497 ^s 8°12'41.739"	1.1	282	97.4	-40.9	13.1	10.4	55.7	133	
2019/03/15 02:40:09	4052 Crovisier	13.2	18.05	5.63	140	0.6	35°06'15" 49°03'06"	217	2.2	UCAC4 301-233356	12.43	18 ^h 29 ^m 09.182 ^s -29°52'09.198"	6.3	155	77.7	-11.9	170.6	-15.6	57.6	176	
2019/03/15 03:14:24	3765 Texereau	9.1	18.31	4.60	128	0.6	35°55'59" 48°55'00"	191	1.7	UCAC4 334-98015	13.72	17 ^h 17 ^m 25.835 ^s -23°15'02.306"	16.8	178	93.8	-6.4	167.2	-17.3	57.8	145	
2019/03/15 15:56:20	3645 Fabini	11.0	16.83	3.41	9	1.2	36°19'37" 49°58'15"	161	3.8	UCAC4 471-42475	13.47	9 ^h 33 ^m 22.601 ^s 4°02'37.569"	25.0	116	148.4	-3.8	44.8	60.2	63.5	114	
2019/03/15 16:36:09	6137 Johnfletcher	18.2	17.01	4.15	28	1.0	36°01'55" 49°51'39"	221	4.3	UCAC4 633-26273	12.89	5 ^h 27 ^m 14.505 ^s 36°30'53.568"	72.2	228	88.7	-10.2	22.5	61.8	63.9	167	
2019/03/15 23:37:39	727 Nipponia	32.2	13.87	2.10	231	8.1	35°22'29" 52°02'26"	344	0.9	UCAC4 562-45271	11.94	8 ^h 20 ^m 48.786 ^s 22°18'29.447"	24.0	277	127.4	-36.3	18.1	11.4	66.9	100	
2019/03/16 00:21:03	1833 Shmakova	13.3	15.86	2.35	252	1.0	33°18'08" 48°53'17"	239	0.2	UCAC4 488-54252	13.65	11 ^h 26 ^m 02.791 ^s 7°28'55.917"	34.4	235	173.4	-31.6	64.3	5.3	67.4	102	
2019/03/16 02:58:36	2081 Sazava	22.7	16.50	5.82	247	1.0	37°48'39" 52°02'43"	26	1.2	UCAC4 336-115637	10.69	17 ^h 49 ^m 51.974 ^s -22°57'58.431"	16.2	167	87.3	-8.6	161.0	-12.5	68.6	134	
2019/03/16 03:34:39	8296 Miyama	9.5	18.83	5.19	88	0.9	37°30'31" 50°09'18"	82	1.9	UCAC4 290-113828	13.65	17 ^h 05 ^m 32.283 ^s -32°09'42.983"	7.7	186	96.6	-2.8	149.7	-15.1	68.9	180	
2019/03/16 03:52:00	4528 Berg	12.6	17.68	6.00	9	0.5	36°24'06" 50°04'06"	74	3.2	UCAC4 377-138238	11.68	18 ^h 49 ^m 11.467 ^s -14°43'43.467"	24.1	165	73.2	-0.0	170.9	-16.1	69.0	156	
2019/03/16 17:07:04	1600 Vysotsky	10.0	14.78	2.26	111	1.2	37°23'01" 49°20'47"	135	0.8	UCAC4 644-49587	12.66	12 ^h 53 ^m 22.226 ^s 38°39'22.101"	30.7	65	139.7	-14.8	66.6	60.2	74.6	53	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 6		LinOccult 2.3.1				
Date Time (UTC)	Asteroid			Nearest point			Star			Sun			Moon			σ_{km}				
	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 (%)
2019/03/16 20:01:50	664 Judith	72.7	16.64	6.61	243	6.0	36°06'03" 47°52'05"	183	6.9 14.6	TYC 1299- 32-1	10.03	5 ^h 48 ^m 23.719 ^s 15°04'13.144"	28.3	260	91.5	-37.3	30.6	51.6	75.9	198
2019/03/16 23:13:44	2498 Tsese- vich	14.5	17.46	3.62	39	1.1	36°38'18" 50°19'16"	40	3.5 3.6	UCAC4 572-23413	13.88	6 ^h 04 ^m 10.887 ^s 24°20'06.341"	7.8	299	95.1	-38.0	27.7	23.3	77.2	159
2019/03/17 01:26:40	1623 Vivian	34.1	17.64	4.03	255	2.8	38°09'33" 52°00'42"	31	3.1 6.5	UCAC4 345-99617	13.63	17 ^h 24 ^m 49.482 ^s -21°10'37.356"	14.4	152	94.1	-22.4	141.7	3.6	78.2	209
2019/03/17 01:55:26	18831 1999 NP37	8.7	18.03	5.62	16	1.1	36°30'05" 50°05'17"	74	2.6 2.6	UCAC4 288-88675	12.41	16 ^h 02 ^m 57.887 ^s -32°26'05.892"	7.6	179	110.4	-18.2	124.0	-0.2	78.4	134
2019/03/17 02:39:27	66985 1999 XT93	8.3	19.01	6.36	107	0.8	34°49'45" 49°49'49"	257	1.6 1.9	UCAC4 280-105497	12.65	16 ^h 58 ^m 24.955 ^s -34°04'19.565"	5.9	177	98.7	-11.3	135.2	-5.7	78.7	178
2019/03/17 16:08:01	2107 Ilmari	15.6	16.46	3.83	39	0.9	36°18'42" 49°41'52"	177	4.7 4.9	UCAC4 522-16579	12.66	5 ^h 51 ^m 21.734 ^s 14°18'53.491"	54.2	189	91.3	-5.2	42.2	46.7	83.8	127
2019/03/17 18:31:30	5936 Khadzhi- nov	13.2	17.96	7.22	194	0.6	35°22'43" 48°24'22"	200	1.6 3.0	UCAC4 589-13041	10.74	4 ^h 37 ^m 46.963 ^s 27°44'40.085"	40.1	267	75.3	-26.9	58.6	58.9	84.6	178
2019/03/17 19:12:04	2670 Chu- vashia	20.9	16.34	6.53	28	2.5	36°03'17" 49°50'45"	216	5.7 5.8	TYC 1339- 95-1	9.82	6 ^h 52 ^m 02.006 ^s 19°37'53.312"	48.3	237	105.6	-31.9	28.9	58.7	84.9	143
2019/03/17 20:41:29	32442 2000 RS100	9.1	18.74	7.67	196	0.8	37°48'13" 51°31'35"	33	1.1 2.1	TYC 1317- 1162-1	11.08	6 ^h 05 ^m 10.328 ^s 17°57'16.664"	26.2	267	94.5	-39.8	41.0	52.1	85.4	177
2019/03/18 15:57:17	7797 Morita	14.5	17.41	7.87	216	1.4	35°45'05" 48°08'33"	190	1.4 3.8	UCAC4 520-49972	9.54	9 ^h 33 ^m 58.589 ^s 13°49'56.340"	34.7	112	143.8	-3.2	3.8	34.3	91.5	153
2019/03/18 19:55:26	5832 Mar- taprincepe	11.5	17.32	7.39	73	1.0	36°19'12" 49°23'16"	178	2.9 3.4	TYC 1892- 1127-1	9.93	6 ^h 33 ^m 49.268 ^s 28°22'02.604"	45.0	262	99.8	-36.1	48.6	55.4	92.6	135
2019/03/18 20:48:37	16449 Kigoyama	10.0	18.01	5.14	137	0.7	37°09'21" 51°08'40"	27	1.8 2.7	UCAC4 550-25038	12.88	6 ^h 17 ^m 51.212 ^s 19°52'54.524"	27.8	268	96.5	-39.7	52.8	53.3	92.8	150
2019/03/18 21:42:46	3173 Mc- Naught	8.3	16.66	3.47	75	0.8	35°56'19" 49°24'47"	199	2.6 3.8	UCAC4 563-49225	13.24	10 ^h 30 ^m 36.763 ^s 22°34'37.763"	58.4	218	150.6	-41.0	10.2	48.5	93.1	88
2019/03/19 00:10:53	4056 Timwarner	10.5	16.63	3.27	79	1.6	35°39'36" 49°27'38"	214	3.0 4.2	UCAC4 548-42769	13.42	7 ^h 46 ^m 40.886 ^s 19°27'04.612"	9.5	289	117.2	-31.6	33.9	28.2	93.6	100
2019/03/19 01:03:12	897 Lysistrata	21.9	14.94	1.66	69	1.4	35°53'55" 49°28'37"	204	6.4 7.7	UNKNOWN UN- KNOWN	13.55	17 ^h 24 ^m 46.584 ^s -29°08'04.741"	5.7	152	95.6	-25.0	113.1	20.0	93.9	114
2019/03/19 01:46:28	292 Ludovica	31.9	14.56	1.55	42	3.1	36°49'56" 50°11'33"	68	10.9 11.7	UCAC4 332-81704	13.31	16 ^h 35 ^m 27.211 ^s -23°44'37.997"	15.8	171	107.2	-18.8	100.9	13.3	94.1	108
2019/03/19 03:08:26	201 Penelope	68.4	13.41	0.78	265	2.9	35°41'45" 52°23'41"	351	2.8 20.6	UCAC4 363-139775	13.35	18 ^h 25 ^m 30.766 ^s -17°27'06.289"	21.1	163	81.9	-6.0	124.8	0.8	94.4	131
2019/03/20 01:43:33	2763 Jeans	11.5	16.97	4.10	113	0.6	35°08'34" 49°20'56"	226	2.5 4.1	UCAC4 315-117734	12.89	17 ^h 40 ^m 18.270 ^s -27°03'53.394"	9.7	157	93.3	-18.9	101.0	18.9	98.4	112
2019/03/20 02:42:42	17864 1998 KK38	10.0	18.44	4.56	75	0.6	36°42'02" 49°25'33"	157	2.2 2.5	UCAC4 342-114338	13.90	17 ^h 53 ^m 00.963 ^s -21°42'31.001"	17.3	166	90.6	-9.8	102.8	9.6	98.5	162
2019/03/20 16:26:47	1333 Cevenola	16.6	16.04	2.90	210	0.9	37°00'45" 48°13'06"	166	1.1 5.7	UCAC4 571-24579	13.22	6 ^h 07 ^m 30.854 ^s 24°04'16.403"	63.3	198	92.2	-7.4	82.3	14.3	99.6	117

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 7		LinOccult 2.3.1				
Date Time (UTC)	Asteroid			Nearest point			Durat (sec)	Dist (km)	Drop	Mag	Prob (%)	Star			Sun		Moon					
	Number Name	Diam (km)		Longitude Latitude	Az	Catalog Number						Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}	
2019/03/20 17:04:46	1470 Carla	37.0	16.95	34°49'29" 47°56'43"	204		4.8	257	6.26	16.95	2.6	UCAC4 579-34896	10.69	7 ^h 01 ^m 07.956 ^s 25°47'19.390"	65.7	191	104.2	-13.4	70.6	19.9	99.7	163
2019/03/20 18:23:05	2136 Jugta	18.2	17.40	35°05'10" 47°53'02"	200		0.5	256	6.15	17.40	1.6	UCAC4 494-4573	11.25	3 ^h 14 ^m 57.119 ^s 8°44'58.738"	12.3	269	49.7	-24.8	126.8	30.9	99.7	195
2019/03/20 19:08:47	7728 Giblin	9.5	18.14	37°40'32" 51°17'26"	36		0.8	170	5.66	18.14	1.3	UCAC4 581-29921	12.48	6 ^h 33 ^m 09.280 ^s 26°05'32.028"	49.4	250	97.8	-30.6	78.1	36.4	99.7	147
2019/03/20 19:23:19	31717 1999 JA58	8.7	18.33	37°14'51" 50°24'19"	60		1.3	79	4.65	18.33	2.0	UCAC4 617-40897	13.69	7 ^h 24 ^m 05.221 ^s 33°23'00.504"	60.1	249	107.8	-32.2	67.7	37.9	99.7	154
2019/03/21 15:42:15	19852 Jame- salbers	15.8	18.20	36°14'31" 49°28'18"	183		0.7	64	4.80	18.20	2.9	UCAC4 613-16440	13.42	4 ^h 41 ^m 14.645 ^s 32°32'22.967"	67.1	228	73.0	-0.0	113.9	-5.0	99.3	211
2019/03/21 15:45:19	3349 Manas	10.5	17.69	36°01'48" 48°29'26"	186		0.8	174	4.00	17.69	1.4	UCAC4 587-28958	13.72	6 ^h 22 ^m 57.999 ^s 27°18'51.365"	67.3	170	94.6	-0.5	93.2	-4.6	99.3	136
2019/03/21 17:09:18	7275 1983 CY2	12.0	16.96	37°24'28" 48°04'01"	160		2.4	235	4.51	16.96	0.7	UCAC4 526-50069	12.46	9 ^h 14 ^m 24.933 ^s 15°03'30.170"	49.3	140	135.9	-13.8	53.3	8.2	99.2	125
2019/03/21 20:07:54	667 Denise	81.3	14.34	36°36'19" 49°20'25"	164		4.2	82	1.55	14.34	20.0	UCAC4 486-24724	13.09	6 ^h 31 ^m 27.189 ^s 7°02'24.026"	24.8	250	97.2	-36.1	94.4	31.9	99.0	133
2019/03/21 20:10:20	392 Wil- helmina	62.9	14.50	38°07'46" 51°08'33"	47		4.3	178	1.76	14.50	7.1	UCAC4 395-53601	12.97	12 ^h 18 ^m 37.505 ^s -11°07'20.705"	24.6	151	168.4	-36.3	13.6	32.1	99.0	121
2019/03/21 21:01:33	2948 Amosov	9.5	17.69	36°24'51" 51°41'33"	3		0.5	183	5.57	17.69	1.1	UCAC4 500-20680	12.12	6 ^h 08 ^m 10.798 ^s 9°55'04.570"	14.9	268	91.3	-39.2	100.6	36.5	98.9	139
2019/03/21 21:29:02	3903 Kliment Ohridski	12.6	18.03	36°30'44" 49°53'13"	138		0.7	24	4.18	18.03	2.9	UCAC4 573-17401	13.87	5 ^h 30 ^m 16.963 ^s 24°25'00.680"	15.4	290	82.5	-39.8	108.7	38.2	98.8	173
2019/03/21 21:51:40	16449 Kigoyama	10.0	18.06	35°35'04" 49°20'30"	213		0.7	93	11.33	18.06	2.5	HIP 30110	6.73	6 ^h 20 ^m 12.137 ^s 19°52'26.723"	16.2	282	94.0	-39.8	97.9	39.1	98.8	76
2019/03/21 22:57:23	607 Jenny	62.8	15.29	33°52'19" 48°09'21"	219		6.1	274	1.75	15.29	2.5	UCAC4 550-32520	13.78	6 ^h 44 ^m 09.211 ^s 19°59'24.411"	9.8	290	99.6	-37.2	92.9	39.3	98.7	137
2019/03/22 02:16:09	257 Silesia	72.7	15.72	36°22'09" 50°17'57"	12		3.9	29	5.80	15.72	15.6	TYC 6861- 1925-1	9.93	18 ^h 32 ^m 04.566 ^s -25°52'57.253"	10.1	154	83.7	-13.2	82.3	21.3	98.3	182
2019/03/22 16:45:27	16956 1998 MQ11	25.1	18.23	36°10'52" 51°08'53"	356		1.3	123	6.39	18.23	3.2	UCAC4 573-49223	11.85	11 ^h 54 ^m 08.385 ^s 24°27'07.116"	30.6	87	154.7	-9.9	38.3	-7.7	96.1	283
2019/03/22 17:24:39	1255 Schilowa	32.5	15.95	35°41'55" 49°46'43"	235		6.3	52	2.50	15.95	7.1	UCAC4 487-47159	13.57	8 ^h 40 ^m 29.296 ^s 7°13'18.732"	46.1	162	128.3	-15.9	75.0	-1.8	96.0	176
2019/03/22 19:13:50	860 Ursina	29.3	15.99	38°24'12" 51°11'13"	50		0.9	196	2.45	15.99	3.6	UCAC4 595-9076	13.66	3 ^h 31 ^m 21.635 ^s 28°48'25.896"	20.5	291	56.5	-30.5	144.8	14.2	95.6	177
2019/03/22 19:27:57	10412 Tsukuyomi	9.1	18.03	36°54'39" 50°25'58"	46		0.8	62	5.64	18.03	2.3	UCAC4 619-37182	12.39	6 ^h 53 ^m 02.673 ^s 33°43'37.368"	53.5	261	99.4	-32.1	103.1	16.1	95.5	145
2019/03/22 20:03:20	492 Gismonda	51.7	16.03	35°18'59" 48°31'42"	202		1.8	183	2.55	16.03	6.8	UCAC4 562-9837	13.59	4 ^h 20 ^m 19.257 ^s 22°23'08.417"	15.7	286	65.4	-35.3	138.5	20.6	95.4	191
2019/03/23 00:27:41	4126 Mashu	11.5	18.75	36°12'10" 48°49'30"	183		0.7	136	6.89	18.75	1.9	UCAC4 340-157780	11.86	18 ^h 34 ^m 11.025 ^s -22°07'50.607"	3.0	130	83.9	-28.1	69.2	32.4	94.5	192

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 8		LinOccult 2.3.1				
		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}
2019/03/23 01:26:28	1664 Felix	29.7	17.05	4.20	59	1.9	35°46'37" 49°37'46"	218	9.4	UCAC4 321-129960	12.88	18 ^h 03 ^m 43.983 ^s -25°50'58.910"	8.8	150	91.0	-20.3	62.0	28.2	94.2	109
2019/03/23 02:08:29	12889 QW42	8.3	18.27	4.72	21	0.5	36°22'30" 50°13'24"	18	2.4	UCAC4 339-112451	13.57	17 ^h 55 ^m 57.973 ^s -22°15'28.096"	15.6	161	92.8	-14.0	59.4	24.0	94.1	139
2019/03/23 19:41:36	155789 TD9	9.1	19.91	9.07	140	0.5	37°22'26" 51°06'05"	34	1.0	UCAC4 452-50605	10.84	11 ^h 50 ^m 02.620 ^s 0°14'35.368"	36.0	149	174.9	-33.1	42.7	6.7	89.6	317
2019/03/23 20:02:09	11509 Ther-silochos	31.6	17.61	5.05	220	1.7	34°03'41" 48°42'05"	227	3.3	UCAC4 384-60978	12.57	12 ^h 26 ^m 04.783 ^s -13°19'49.722"	21.9	150	167.0	-34.9	32.3	9.5	89.5	272
2019/03/23 20:18:44	2688 Halley	21.5	18.24	4.29	251	0.9	38°10'20" 51°57'56"	32	2.0	UCAC4 559-10558	13.97	4 ^h 39 ^m 32.026 ^s 21°38'37.505"	15.1	286	68.7	-36.2	148.8	11.7	89.4	207
2019/03/23 20:28:53	700 Auravictrix	15.4	15.54	2.02	110	0.8	35°29'40" 49°12'02"	211	3.4	UCAC4 579-18908	13.70	5 ^h 51 ^m 36.610 ^s 25°45'10.669"	27.8	278	85.5	-36.8	131.9	13.0	89.4	107
2019/03/23 20:44:50	6813 Aman-dahendrix	9.1	17.54	3.98	99	1.1	37°03'54" 50°46'52"	34	2.1	UCAC4 495-54194	13.58	9 ^h 56 ^m 46.930 ^s 8°52'16.365"	46.0	208	145.4	-37.7	72.9	15.0	89.3	135
2019/03/23 23:44:40	1165 Im-prinetta	48.8	15.76	2.37	209	2.7	36°54'33" 48°13'08"	168	4.3	UCAC4 381-94368	13.52	17 ^h 47 ^m 10.789 ^s -13°52'36.745"	11.0	128	95.9	-32.5	44.3	28.8	88.4	133
2019/03/23 23:46:44	865 Zubaïda	17.8	15.80	2.03	11	2.5	36°08'34" 50°01'23"	255	7.1	UCAC4 412-61828	13.96	15 ^h 57 ^m 47.588 ^s -7°37'33.936"	28.4	151	122.9	-32.3	18.1	28.8	88.5	100
2019/03/24 03:21:51	21128 Cha-puis	12.6	18.46	5.28	144	0.8	37°47'18" 50°54'47"	48	2.0	UCAC4 297-158169	13.19	18 ^h 09 ^m 12.181 ^s -30°39'16.515"	9.3	176	90.9	-2.1	48.9	17.2	87.3	195
2019/03/24 03:24:05	13386 1998 XG80	11.0	18.23	4.58	24	0.6	36°11'28" 49°50'42"	197	2.6	UCAC4 384-107986	13.67	18 ^h 33 ^m 29.710 ^s -13°20'00.862"	26.2	169	84.8	-1.7	53.5	16.9	87.3	165
2019/03/24 16:34:19	67779 2000 UU81	8.7	17.43	3.63	21	0.6	36°10'38" 49°52'06"	201	2.4	UCAC4 435-13207	13.84	6 ^h 07 ^m 50.705 ^s -3°05'16.145"	35.5	198	88.8	-7.6	135.8	-32.4	83.0	143
2019/03/24 16:42:10	485 Genna	63.9	13.41	0.54	77	1.5	36°26'03" 49°21'40"	172	14.2	UCAC4 492-3968	13.89	2 ^h 46 ^m 59.793 ^s 8°14'47.905"	21.1	257	39.0	-8.8	169.3	-31.3	83.0	158
2019/03/24 17:42:39	5676 Voltaire	11.0	17.52	3.89	252	0.6	35°35'28" 52°16'15"	349	0.6	UCAC4 493-20577	13.66	6 ^h 08 ^m 28.223 ^s 8°24'31.255"	40.9	223	88.7	-18.0	139.8	-22.1	82.6	135
2019/03/24 19:44:42	849 Ara	61.8	13.60	2.24	78	4.7	37°21'47" 50°08'14"	83	15.1	TYC 5469-1168-1	11.51	9 ^h 39 ^m 52.078 ^s -11°38'52.166"	27.9	191	140.6	-33.0	84.9	-3.7	81.9	139
2019/03/25 00:03:43	3194 Dorsey	18.8	17.52	5.30	140	1.2	37°26'29" 51°03'58"	36	3.3	UCAC4 327-119925	12.23	18 ^h 00 ^m 25.761 ^s -24°37'05.273"	3.0	135	93.7	-30.1	34.1	23.5	80.4	143
2019/03/25 00:43:11	19848 Ye-ungchuchiu	11.5	18.04	5.98	247	1.2	33°43'34" 48°35'02"	228	0.8	UCAC4 325-105777	12.06	17 ^h 19 ^m 35.575 ^s -25°00'05.087"	10.3	152	103.0	-25.4	24.8	24.6	80.1	154
2019/03/25 02:03:04	2233 Kuznetsov	11.0	17.22	4.61	36	0.6	36°24'36" 50°21'40"	14	3.6	UNKNOWN UN-	12.63	18 ^h 19 ^m 06.185 ^s -23°10'01.806"	13.5	156	89.5	-14.1	37.1	23.6	79.7	117
2019/03/25 15:53:44	21867 1999 TQ251	9.5	18.57	7.26	150	0.6	34°57'32" 51°06'11"	321	1.5	TYC 732-160-1	11.31	6 ^h 30 ^m 37.530 ^s 8°06'08.231"	48.3	180	93.3	-0.9	145.9	-47.8	74.5	177
2019/03/25 18:23:25	1717 Arlon	12.0	15.68	2.29	165	1.2	34°46'24" 48°56'06"	221	0.7	UCAC4 570-41744	13.53	7 ^h 46 ^m 54.129 ^s 23°53'39.431"	60.4	215	109.7	-23.4	131.8	-26.5	73.5	79

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 9		LinOccult 2.3.1				
		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}
2019/03/25 19:13:24	2287 Kalnykia	8.7	17.95	5.01	29	0.6	36°10'45'' 49°47'38''	195	2.6	UCAC4 579-28390	12.95	6 ^h 28 ^m 18.187 ^s 25°47'10.662''	44.6	257	91.8	-29.5	149.9	-18.8	73.3	130
2019/03/25 19:39:41	29926 JW32	8.7	18.05	5.03	11	0.9	36°19'07'' 50°08'25''	13	2.4	UCAC4 570-47627	13.03	10 ^h 30 ^m 39.954 ^s 23°56'30.044''	64.0	173	143.5	-32.2	95.8	-14.8	73.1	143
2019/03/25 20:06:11	3642 Frieden	35.1	16.46	3.08	102	1.5	35°56'10'' 49°09'44''	194	6.9	UCAC4 535-14137	13.45	5 ^h 25 ^m 01.730 ^s 16°54'35.730''	19.6	273	77.0	-34.5	165.7	-10.8	72.9	171
2019/03/25 21:51:34	3459 Bodil	8.7	17.74	7.40	239	1.2	38°31'23'' 51°39'57''	42	0.4	TYC 1914-1368-1	10.34	7 ^h 24 ^m 41.183 ^s 25°23'11.049''	28.0	277	104.3	-38.2	138.7	3.9	72.2	117
2019/03/25 21:51:37	7151 SX3	11.0	16.78	3.30	111	0.8	36°13'07'' 51°02'50''	358	2.4	UCAC4 496-39289	13.54	7 ^h 06 ^m 53.184 ^s 9°02'10.056''	13.0	269	102.0	-38.2	140.6	3.9	72.2	109
2019/03/26 02:07:20	12922 WW19	8.3	18.91	6.59	33	0.5	36°33'48'' 50°16'50''	37	2.0	UCAC4 348-135829	12.32	18 ^h 17 ^m 52.723 ^s -20°30'29.580''	16.7	157	90.7	-13.1	23.4	21.5	70.5	167
2019/03/26 02:34:06	2233 Kuznetsov	11.0	17.21	4.39	228	0.6	36°06'12'' 48°00'25''	183	0.6	UCAC4 335-149866	12.84	18 ^h 20 ^m 15.254 ^s -23°08'25.547''	15.4	164	90.2	-9.0	23.9	21.1	70.3	117
2019/03/26 18:15:18	153107 SY55	10.5	19.69	6.15	146	0.6	35°24'48'' 48°51'55''	205	1.3	UCAC4 423-58510	13.54	12 ^h 51 ^m 08.879 ^s -5°33'38.610''	15.0	118	171.6	-22.1	65.4	-37.4	64.1	290
2019/03/26 18:52:16	451 Patientia	225.0	11.40	11.40	251	19.7	36°27'56'' 47°47'57''	177	0.0	UCAC4 578-48730	0.00	11 ^h 42 ^m 40.732 ^s 25°33'21.787''	55.2	122	150.7	-26.8	92.9	-31.8	63.8	35
2019/03/26 19:05:00	1544 Vinter-hansenia	21.7	16.51	3.92	203	0.9	35°07'14'' 48°23'28''	204	1.9	UCAC4 580-16574	12.62	5 ^h 34 ^m 08.302 ^s 25°55'07.160''	36.8	268	78.6	-28.3	172.9	-29.8	63.7	128
2019/03/26 23:39:48	1361 Leuschneria	30.2	16.77	3.17	176	3.2	36°12'01'' 48°27'53''	182	4.1	UCAC4 491-50576	13.66	8 ^h 27 ^m 03.553 ^s 8°02'12.937''	7.1	274	120.7	-31.8	134.7	8.5	61.9	168
2019/03/26 23:48:32	17868 KW46	9.5	17.45	3.84	7	0.7	36°15'01'' 50°06'36''	340	2.9	UCAC4 371-62228	13.64	12 ^h 05 ^m 17.923 ^s -15°56'53.867''	16.8	216	165.7	-30.9	75.7	9.4	61.8	130
2019/03/27 00:23:58	1664 Felix	29.7	17.01	4.55	39	2.0	35°48'54'' 49°52'21''	240	10.4	UCAC4 320-136850	12.48	18 ^h 08 ^m 07.161 ^s -26°01'50.843''	3.9	140	94.0	-27.0	10.6	12.8	61.5	107
2019/03/27 00:30:07	3588 Kirik	12.6	18.43	5.04	206	3.3	33°37'01'' 49°22'49''	249	1.4	UCAC4 302-95464	13.40	16 ^h 44 ^m 42.051 ^s -29°40'02.263''	7.8	160	112.0	-26.3	13.6	13.3	61.3	179
2019/03/28 18:38:35	1733 Silke	9.1	16.79	2.99	193	0.5	36°53'07'' 51°44'31''	13	0.5	UCAC4 553-31139	13.88	6 ^h 41 ^m 47.763 ^s 20°28'31.306''	46.2	243	92.3	-24.5	175.2	-50.0	44.3	97
2019/03/28 20:17:31	2412 Wil	14.5	17.57	5.09	64	0.9	36°45'53'' 50°32'20''	32	3.3	UCAC4 574-25838	12.49	6 ^h 15 ^m 52.183 ^s 24°47'54.896''	29.7	274	86.0	-34.3	168.3	-35.5	43.6	158
2019/03/28 20:29:16	663 Gerlinde	100.9	14.51	5.11	114	6.9	36°29'22'' 51°04'01''	7	20.7	TYC 155-2781-1	9.41	6 ^h 43 ^m 01.524 ^s 4°30'45.407''	17.0	256	93.5	-35.0	161.9	-33.7	43.6	135
2019/03/29 01:50:40	2861 Lam-brecht	9.5	17.82	4.79	161	0.5	36°26'39'' 48°36'10''	176	1.4	UCAC4 355-150761	13.04	18 ^h 33 ^m 44.181 ^s -19°11'04.823''	16.5	152	89.9	-14.6	10.5	10.4	41.4	131
2019/03/29 02:15:33	2188 Orlenok	15.8	16.87	2.98	253	1.4	36°20'55'' 47°46'39''	179	0.8	UCAC4 348-114814	13.96	17 ^h 40 ^m 35.986 ^s -20°24'07.060''	19.2	171	102.4	-10.8	22.7	12.6	41.3	136
2019/03/29 03:05:29	20734 XA169	11.0	17.42	4.62	15	0.6	36°06'26'' 50°06'35''	298	3.3	UNKNOWN UN-KNOWN	12.81	18 ^h 18 ^m 48.621 ^s -23°30'20.649''	16.4	174	93.6	-3.0	14.2	16.0	40.9	130

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1			Page 10			LinOccult 2.3.1		
		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}	
2019/03/30 01:08:52	Novorossi-jsk	15.1	17.23	4.52	99	1.0	36°54'22" 50°50'30"	27	2.9 3.3	UCAC4 302-222942	12.73	18 ^h 20 ^m 39.305 ^s -29°39'48.267"	4.7	150	94.3	-20.2	25.6	1.2	32.5	183	
2019/03/30 02:23:13	3761 Roman-skaya	16.6	16.16	3.49	41	0.7	36°40'52" 49°46'49"	137	4.3 4.5	UCAC4 402-85259	12.72	18 ^h 44 ^m 56.841 ^s -9°44'22.360"	27.4	156	87.5	-9.3	23.1	9.8	32.0	147	
2019/03/30 17:37:43	231 Vin-dobona	82.3	15.84	2.42	113	3.5	35°41'05" 49°06'32"	202	14.5 17.4	UCAC4 589-17153	13.54	5 ^h 19 ^m 13.972 ^s 27°44'59.961"	47.1	257	71.6	-15.7	133.4	-59.7	26.6	187	
2019/03/30 18:10:29	804 Hispania	157.2	13.68	0.79	124	6.6	35°00'11" 49°18'36"	228	28.1 36.3	UCAC4 635-27095	13.61	5 ^h 36 ^m 11.932 ^s 36°48'16.307"	50.5	271	76.0	-20.3	136.0	-59.3	26.4	167	
2019/03/30 18:31:33	1369 Ostan-ina	41.6	17.11	4.56	168	1.2	36°29'37" 51°33'04"	5	5.7 7.9	UCAC4 493-6542	12.57	4 ^h 04 ^m 25.198 ^s 8°35'04.514"	12.4	269	52.3	-23.0	112.0	-58.3	26.3	209	
2019/03/30 22:30:29	990 Yerkes	18.5	17.06	5.42	255	0.7	33°07'53" 49°00'44"	243	1.2 4.8	UCAC4 607-20906	11.65	5 ^h 32 ^m 36.137 ^s 31°13'13.803"	7.6	311	74.6	-35.1	133.9	-27.9	24.9	155	
2019/03/30 23:59:35	18081 2000 GB126	10.0	16.53	3.73	154	0.6	34°56'11" 48°58'40"	219	1.0 4.5	UCAC4 329-115754	12.84	17 ^h 50 ^m 20.737 ^s -24°22'51.551"	6.3	141	101.9	-28.3	42.9	-14.0	24.4	89	
2019/03/31 00:47:00	1623 Vivian	34.1	17.48	3.56	215	5.8	35°10'46" 48°15'32"	202	3.8 6.9	UCAC4 345-101717	13.97	17 ^h 30 ^m 07.447 ^s -21°10'38.807"	15.1	155	106.7	-22.7	48.2	-6.8	24.1	197	
2019/03/31 01:45:24	4547 Mas-sachusetts	24.3	16.02	2.36	18	2.6	36°15'16" 50°12'35"	353	9.1 9.3	UCAC4 539-49272	13.79	10 ^h 19 ^m 09.370 ^s 17°41'28.301"	9.7	286	139.9	-14.6	160.8	1.4	23.8	104	
2019/03/31 16:28:08	5759 Zoshchenko	8.3	18.59	5.40	205	0.6	37°03'58" 51°49'14"	16	0.9 2.0	UCAC4 580-33314	13.19	6 ^h 49 ^m 52.083 ^s 25°48'07.057"	64.9	201	90.8	-4.8	142.5	-49.6	19.1	165	
2019/03/31 17:52:55	1596 Itzig-sohn	49.6	15.97	2.49	36	2.8	36°26'11" 50°21'10"	17	13.2 13.6	UCAC4 510-27302	13.60	6 ^h 36 ^m 03.566 ^s 11°58'35.907"	42.8	229	88.5	-17.6	137.6	-56.4	18.7	144	
2019/03/31 18:21:34	7183 1991 RE16	12.6	17.88	5.64	68	0.6	36°09'10" 49°26'23"	188	2.7 3.0	UCAC4 529-18426	12.25	5 ^h 52 ^m 41.320 ^s 15°40'12.439"	35.9	250	77.9	-21.4	127.7	-57.1	18.5	170	
2019/03/31 21:44:24	259 Aletheia	178.6	11.97	1.76	57	17.1	35°53'43" 49°35'58"	209	53.2 59.5	UCAC4 475-51755	10.45	13 ^h 49 ^m 32.830 ^s 4°57'09.838"	43.1	158	160.1	-35.9	117.4	-39.9	17.5	107	
2019/04/01 01:08:53	24298 1999 XC221	9.1	17.82	4.29	51	3.4	36°59'58" 50°05'34"	84	2.7 2.9	UCAC4 335-83724	13.56	16 ^h 17 ^m 56.264 ^s -23°01'11.944"	17.0	178	124.1	-19.4	76.0	-8.3	16.7	125	

