

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: 159

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')

Sorted by date/time.

Table 1

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LinOccult 2.3.1

Date Time (UTC)	Asteroid			Nearest point			Star				Sun			Moon						
	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}
2020/04/01 00:02:07	1636 Porter	9.2	16.29	2.96	64	0.9	35°47'35" 49°33'59"	213	3.0 3.8	UCAC4 542-43795	13.41	7 ^h 57 ^m 16.731 ^s 18°14'11.540"	3.3	295	106.3	-27.3	21.7	-4.1	45.6	96
2020/04/01 00:19:08	2828 Iku- Turso	8.3	17.73	4.04	46	0.5	36°07'49" 50°26'41"	346	2.6 2.8	UCAC4 335-180316	13.72	18 ^h 38 ^m 47.620 ^s -23°09'08.649"	5.1	136	92.6	-25.4	177.6	-5.9	45.8	117
2020/04/01 01:17:52	937 Bethgea	27.5	15.89	2.11	176	0.8	36°51'49" 51°35'04"	14	2.6 10.3	UCAC4 362-194529	13.94	20 ^h 21 ^m 52.811 ^s -17°41'15.097"	4.3	124	68.0	-17.9	153.3	-11.2	46.2	106
2020/04/01 01:51:23	18977 2000 QK217	9.1	17.27	7.52	105	0.7	34°52'41" 49°46'49"	254	2.1 3.3	TYC 6839- 472-1	9.75	17 ^h 37 ^m 27.324 ^s -29°08'13.952"	10.4	171	106.4	-13.1	166.6	-13.5	46.5	109
2020/04/01 17:06:16	8726 Masamo- tonasu	9.5	18.28	6.56	125	0.7	36°23'51" 48°55'40"	176	1.8 2.4	UCAC4 518-37329	11.72	7 ^h 05 ^m 07.612 ^s 13°26'10.291"	51.0	207	93.8	-10.3	10.2	60.9	53.1	156
2020/04/01 17:30:00	29945 1999 JU83	11.5	16.96	3.06	32	1.0	36°42'05" 50°09'11"	68	3.7 3.8	UCAC4 452-47244	13.97	9 ^h 41 ^m 08.087 ^s 0°13'37.600"	38.5	159	133.9	-13.8	43.7	58.7	53.2	119
2020/04/01 19:11:13	8036 Maehara	9.1	18.84	4.96	67	0.8	35°39'01" 49°36'15"	223	1.9 2.1	UCAC4 594-38923	13.89	7 ^h 23 ^m 32.135 ^s 28°41'08.262"	50.9	254	96.1	-26.8	5.7	45.5	54.0	173
2020/04/02 00:34:21	16261 Idemachi	11.0	16.83	4.91	35	0.9	35°51'19" 49°53'33"	241	3.5 3.7	UCAC4 386-62051	11.93	13 ^h 20 ^m 39.254 ^s -12°56'59.399"	19.8	217	168.2	-23.2	93.9	-1.6	56.4	118
2020/04/02 01:00:08	8739 Morihisa	11.5	17.40	6.70	201	0.7	37°41'06" 51°37'04"	30	1.2 3.2	TYC 289- 194-1	10.70	12 ^h 39 ^m 16.652 ^s 1°29'03.947"	24.4	240	173.4	-20.0	78.4	-4.5	56.6	145
2020/04/02 01:09:06	868 Lova	52.5	15.75	3.23	217	7.6	36°12'57" 51°59'38"	359	4.7 14.5	UCAC4 360-107552	12.57	17 ^h 37 ^m 29.938 ^s -18°07'14.861"	19.7	160	107.8	-18.8	153.8	-5.5	56.7	143
2020/04/02 01:09:06	17415 1988 RO10	13.2	19.12	6.72	195	0.9	33°43'27" 49°27'49"	250	1.4 1.8	UCAC4 490-59992	12.40	14 ^h 58 ^m 05.322 ^s 7°52'25.310"	44.9	208	144.6	-18.8	107.2	-5.5	56.6	289
2020/04/02 01:41:03	2378 Pan- nekoek	32.3	16.98	3.86	121	2.1	37°41'58" 49°27'06"	123	5.5 6.8	UCAC4 410-83616	13.15	18 ^h 41 ^m 09.876 ^s -8°06'58.000"	27.1	149	91.9	-14.3	160.9	-8.7	56.9	189
2020/04/02 02:52:20	13381 1998 WJ17	11.0	18.48	7.39	6	0.6	36°12'52" 50°01'41"	247	2.3 2.3	UCAC4 348-166092	11.09	18 ^h 56 ^m 10.975 ^s -20°28'52.303"	18.5	166	89.4	-3.4	171.3	-14.0	57.4	188
2020/04/02 16:32:52	16337 5087 T- 2	9.5	17.47	3.83	151	0.7	37°51'01" 50°58'16"	47	1.5 2.9	UCAC4 377-62795	13.67	12 ^h 21 ^m 44.517 ^s -14°43'17.394"	1.4	115	168.4	-4.9	73.2	62.4	63.4	131
2020/04/02 17:58:45	2905 Plaskett	13.2	15.66	2.86	237	1.3	36°02'16" 47°55'14"	184	0.2 5.6	UCAC4 467-45813	12.88	11 ^h 47 ^m 42.026 ^s 3°20'32.570"	32.8	131	162.6	-17.6	56.4	60.1	64.1	95
2020/04/02 20:49:05	4490 Bam- bery	8.3	17.27	3.57	50	0.6	36°54'45" 50°15'19"	63	3.0 3.5	UCAC4 484-79768	13.75	18 ^h 24 ^m 43.214 ^s 6°37'58.965"	1.3	81	95.4	-33.9	140.3	38.3	65.4	95
2020/04/03 02:04:59	5971 Tickell	10.5	16.75	3.40	101	0.9	35°09'26" 49°30'16"	233	2.5 4.1	UCAC4 275-128101	13.39	17 ^h 50 ^m 24.232 ^s -35°02'36.902"	4.7	173	105.2	-10.4	143.1	-6.8	67.7	101
2020/04/03 17:42:25	144 Vibilia	141.8	13.42	0.70	277	7.7	37°43'42" 52°22'12"	22	6.4 38.7	UCAC4 584-34055	13.53	6 ^h 50 ^m 22.388 ^s 26°37'18.894"	56.4	238	87.1	-15.1	31.8	60.1	74.3	140
2020/04/03 19:47:31	3702 Trubet- skaya	17.2	16.69	2.89	39	1.4	36°26'31" 50°22'59"	17	4.5 4.6	UCAC4 479-54985	13.88	14 ^h 59 ^m 43.096 ^s 5°46'59.153"	24.0	111	146.2	-29.7	85.3	52.6	75.1	149
2020/04/04 00:42:27	5971 Tickell	10.5	16.73	4.19	142	0.9	38°07'19" 49°34'18"	112	1.5 4.2	UCAC4 275-130369	12.56	17 ^h 51 ^m 23.238 ^s -35°03'58.139"	1.4	157	105.9	-21.5	130.7	9.0	77.2	100

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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}
2020/04/04 18:09:31	2359 Debe-hogne	8.7	17.75	4.64	156	1.1	36°21'40'' 51°27'01''	2	1.2	UCAC4 528-46261	13.13	8 ^h 04 ^m 43.986 ^s 15°32'16.598''	51.7	214	104.8	-18.5	29.1	55.4	83.8	120
2020/04/04 19:07:21	862 Franzia	27.3	15.14	1.54	145	1.1	37°34'17'' 51°03'52''	39	4.5	UCAC4 579-19523	13.91	5 ^h 54 ^m 49.257 ^s 25°46'00.024''	33.4	271	73.7	-25.5	59.5	55.9	84.2	150
2020/04/04 21:54:33	4421 Kayor	11.5	16.75	2.96	200	0.6	34°13'49'' 48°50'45''	228	0.8	UCAC4 614-37435	13.87	6 ^h 55 ^m 54.138 ^s 32°45'01.265''	21.8	295	86.6	-34.0	48.1	40.1	85.2	112
2020/04/04 22:03:22	14818 Mindeli	8.7	18.07	4.60	173	1.1	34°32'35'' 48°59'01''	226	1.1	UCAC4 362-70174	13.49	15 ^h 24 ^m 29.538 ^s -17°43'16.046''	17.3	150	142.0	-33.8	83.2	38.8	85.2	135
2020/04/05 02:49:29	922 Schlutia	12.6	16.82	5.08	96	0.8	37°06'13'' 49°21'38''	143	2.8	UCAC4 365-128445	11.75	18 ^h 22 ^m 48.604 ^s -17°01'51.027''	23.0	177	100.0	-2.8	121.5	-4.7	86.9	139
2020/04/05 16:21:44	6238 Septi-maclark	9.5	18.30	7.05	172	0.6	36°49'15'' 51°33'25''	13	1.3	TYC 1903-187-1	11.26	7 ^h 00 ^m 14.143 ^s 26°22'20.151''	65.1	204	87.4	-2.4	57.8	34.8	91.1	154
2020/04/05 17:24:09	5216 1941 HA	13.2	17.56	6.64	232	1.0	36°38'11'' 47°58'36''	174	1.1	UCAC4 548-40000	10.93	7 ^h 21 ^m 04.732 ^s 19°26'51.043''	55.1	217	93.0	-11.9	53.5	42.6	91.3	151
2020/04/05 23:11:45	17890 1999 DU6	11.0	17.59	4.49	208	0.6	38°54'13'' 50°54'02''	63	1.0	UCAC4 372-156382	13.11	19 ^h 07 ^m 22.257 ^s -15°43'17.210''	1.5	117	90.0	-30.0	119.5	32.7	92.9	135
2020/04/05 23:41:42	1384 Knietje	26.7	16.60	2.79	148	2.7	34°40'41'' 49°13'15''	231	4.3	UCAC4 434-62343	13.89	15 ^h 32 ^m 25.458 ^s -3°22'58.662''	36.4	172	142.0	-27.5	65.2	28.3	93.0	137
2020/04/06 00:20:18	13166 1995 WU1	10.0	16.92	3.98	118	1.9	37°52'07'' 50°22'21''	72	2.0	UCAC4 320-97644	12.97	16 ^h 58 ^m 48.270 ^s -26°05'40.712''	12.2	163	120.1	-23.4	89.9	22.4	93.3	101
2020/04/06 00:37:02	13166 1995 WU1	10.0	16.92	5.69	199	1.9	39°00'58'' 50°26'11''	77	0.6	TYC 6814-1501-1	11.24	16 ^h 58 ^m 48.345 ^s -26°05'44.529''	12.9	167	120.1	-21.4	89.7	19.8	93.4	101
2020/04/06 02:02:19	6634 1987 KB	10.0	16.27	2.67	39	0.6	36°00'13'' 50°21'08''	329	4.2	UCAC4 335-142233	13.70	18 ^h 16 ^m 03.865 ^s -23°08'07.063''	16.1	168	102.8	-9.7	106.1	6.4	93.6	84
2020/04/06 02:07:58	478 Tergeste	79.5	13.59	0.63	280	10.6	32°29'35'' 50°44'29''	286	3.6	UCAC4 355-112907	13.84	17 ^h 46 ^m 13.065 ^s -19°09'25.284''	20.9	177	109.7	-8.9	98.8	5.5	93.6	147
2020/04/06 17:47:39	2313 Aruna	15.5	18.44	5.21	186	0.8	37°13'50'' 51°36'24''	21	1.9	UCAC4 558-31629	13.24	6 ^h 36 ^m 48.034 ^s 21°25'05.901''	48.0	242	81.5	-15.0	79.1	33.9	96.9	150
2020/04/06 18:20:47	2296 Kugulti-nov	14.5	17.10	4.74	23	0.7	36°25'50'' 50°14'13''	26	3.5	UCAC4 572-32375	12.37	6 ^h 40 ^m 14.194 ^s 24°22'20.814''	45.8	252	82.0	-19.4	78.6	37.6	97.0	165
2020/04/06 21:38:36	979 Ilsewa	36.8	15.92	3.51	42	1.8	36°38'28'' 49°44'45''	143	7.4	UCAC4 523-26338	12.45	6 ^h 24 ^m 07.423 ^s 14°27'59.447''	4.4	287	78.8	-33.4	84.9	43.1	97.6	192
2020/04/06 23:47:52	11652 John-brownlee	9.5	17.98	6.39	115	0.6	37°29'14'' 50°44'36''	48	1.9	UCAC4 342-176404	11.60	19 ^h 06 ^m 12.961 ^s -21°40'55.646''	2.2	128	92.0	-26.5	103.9	30.2	97.9	141
2020/04/07 01:01:07	1336 Zee-landia	21.0	15.81	2.03	50	1.3	36°08'46'' 49°36'43''	192	5.7	UCAC4 341-179162	13.96	19 ^h 00 ^m 46.127 ^s -21°48'11.409''	10.8	145	93.3	-18.0	101.8	19.8	98.1	138
2020/04/07 01:21:45	36215 1999 TG214	9.5	17.45	3.97	81	1.4	37°22'28'' 50°15'39''	73	2.5	UCAC4 303-124920	13.51	17 ^h 13 ^m 42.293 ^s -29°30'42.487''	10.4	175	117.3	-15.2	78.1	16.6	98.1	122
2020/04/07 01:32:39	2827 Vellamo	12.0	16.29	2.54	226	1.3	33°10'41'' 49°41'58''	260	0.3	UNKNOWN UN- KNOWN	13.86	17 ^h 45 ^m 43.336 ^s -34°30'27.474''	5.0	171	110.0	-13.7	85.6	14.9	98.1	94

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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}
2020/04/07 01:46:36	134 Sophrosyne	123.3	14.26	2.39	83	8.5	37°19'22'' 50°22'54''	63	28.8 33.8	UCAC4 273-190960	12.00	18 ^h 58 ^m 39.815 ^s −35°35'31.664''	1.4	159	95.1	−11.7	100.4	12.8	98.2	141
2020/04/07 18:40:12	11221 JO26	13.8	18.35	7.71	83	0.6	35°27'48'' 49°31'51''	226	2.4 2.6	UCAC4 616-28683	10.64	5 ^h 53 ^m 09.234 ^s 33°09'58.851''	40.6	276	70.7	−21.5	103.7	28.3	99.6	208
2020/04/07 21:46:09	4532 Copland	12.6	17.72	3.81	26	0.6	36°02'37'' 50°13'30''	319	3.1 3.2	UCAC4 514-32204	13.94	6 ^h 49 ^m 50.122 ^s 12°45'18.031''	5.3	284	84.2	−32.9	93.8	38.5	99.8	158
2020/04/07 22:56:35	3219 Komaki	15.1	16.48	3.24	161	2.3	38°31'46'' 49°56'34''	94	2.0 5.1	UCAC4 304-136492	13.29	17 ^h 36 ^m 17.122 ^s −29°23'18.171''	0.4	140	113.4	−30.3	69.4	35.4	99.8	118
2020/04/07 23:50:53	27911 TC14	11.5	17.07	3.59	49	0.8	35°51'11'' 49°42'39''	220	3.3 3.5	UCAC4 365-62141	13.52	12 ^h 35 ^m 41.437 ^s −17°00'06.926''	13.6	221	167.4	−25.8	17.1	30.6	99.8	129
2020/04/07 23:57:08	7360 Moberg	9.1	16.57	2.99	211	0.9	33°46'58'' 49°04'30''	239	0.2 4.2	UCAC4 300-183739	13.65	18 ^h 07 ^m 17.910 ^s −30°06'12.837''	2.6	147	106.6	−25.2	75.5	30.0	99.8	86
2020/04/08 02:33:08	1611 Beyer	14.5	17.01	3.82	48	1.3	35°59'10'' 50°26'03''	333	4.0 4.3	UCAC4 341-132441	13.22	18 ^h 18 ^m 02.156 ^s −21°55'41.834''	18.1	177	104.3	−4.4	75.7	9.0	99.8	135
2020/04/08 22:58:06	39301 OB100	8.7	20.07	7.21	154	0.5	35°52'07'' 51°24'35''	349	1.2 1.4	UCAC4 565-32418	12.86	6 ^h 47 ^m 02.835 ^s 22°54'20.687''	1.8	305	81.5	−29.8	110.5	31.9	98.8	246
2020/04/09 19:56:41	15417 Baby-lon	13.8	18.93	5.78	249	0.6	34°27'27'' 48°09'12''	212	1.3 2.3	UCAC4 575-26532	13.16	6 ^h 17 ^m 28.821 ^s 24°59'12.377''	25.4	279	73.8	−28.4	130.3	14.0	95.5	239
2020/04/09 22:48:33	4905 Hiromi	11.5	16.69	4.33	184	0.9	38°21'52'' 51°02'36''	53	1.1 4.1	UCAC4 402-56661	12.38	14 ^h 21 ^m 01.961 ^s −9°45'41.063''	30.3	182	163.5	−30.1	10.1	26.5	94.8	112
2020/04/10 01:01:53	921 Jovita	58.5	14.27	1.46	3	6.5	36°17'45'' 50°04'32''	12	22.2 22.2	UCAC4 393-62543	13.14	15 ^h 30 ^m 50.192 ^s −11°35'45.190''	26.6	200	146.4	−16.9	6.7	22.9	94.4	104
2020/04/10 16:28:00	1823 Gliese	10.0	14.69	2.30	16	1.4	36°22'06'' 50°11'10''	21	6.5 6.7	UCAC4 410-55077	12.53	12 ^h 23 ^m 15.121 ^s −8°06'16.518''	10.4	116	166.6	−2.1	49.2	−27.5	90.4	59
2020/04/10 21:39:01	7286 QZ4	11.5	18.26	5.42	124	0.9	35°44'40'' 48°59'39''	198	2.1 2.7	UCAC4 549-42380	12.84	7 ^h 49 ^m 39.402 ^s 19°45'30.656''	19.3	278	94.5	−31.9	124.6	14.5	88.8	169
2020/04/10 21:47:30	34521 SA191	15.8	18.73	6.54	42	1.1	36°25'10'' 50°24'50''	13	2.4 2.5	UCAC4 303-79505	12.19	14 ^h 41 ^m 22.811 ^s −29°26'24.342''	9.1	165	151.2	−31.8	20.6	15.3	88.7	258
2020/04/11 00:15:24	335 Roberta	89.1	13.15	1.10	43	5.1	36°22'53'' 50°25'42''	9	33.3 36.7	UCAC4 367-154568	12.54	19 ^h 00 ^m 27.685 ^s −16°46'36.128''	12.3	136	96.7	−22.2	42.6	22.0	88.0	93
2020/04/11 02:13:53	33792 SU18	8.7	17.99	4.35	29	0.5	36°04'01'' 50°15'51''	327	2.5 2.6	UCAC4 428-97203	13.66	19 ^h 07 ^m 09.329 ^s −4°26'17.972''	33.7	159	93.6	−6.3	46.3	17.4	87.3	135
2020/04/11 16:57:32	1882 Rauma	23.8	17.27	17.27	124	0.5	36°18'20'' 51°09'28''	1	2.5 14.4	UCAC4 515-4779	0.00	3 ^h 02 ^m 27.050 ^s 12°56'32.274''	12.8	275	25.2	−6.4	155.0	−34.5	82.3	66
2020/04/11 18:16:54	5247 Krylov	11.5	14.62	1.40	85	1.0	35°17'28'' 49°38'23''	237	3.3 6.0	UCAC4 335-69167	13.57	13 ^h 03 ^m 22.944 ^s −23°03'51.022''	6.9	139	164.8	−17.5	51.2	−22.3	81.9	77
2020/04/11 18:23:25	56326 VV203	12.0	17.34	3.86	156	0.9	35°27'38'' 51°20'46''	338	1.8 3.4	UCAC4 522-51758	13.52	11 ^h 54 ^m 28.169 ^s 14°16'33.030''	48.6	140	148.5	−18.3	79.6	−21.3	81.8	139
2020/04/11 19:07:19	204 Kallisto	48.6	15.02	1.78	165	1.3	38°16'34'' 50°49'28''	59	6.8 9.3	UCAC4 529-8004	13.48	4 ^h 14 ^m 13.735 ^s 15°43'55.267''	5.7	288	42.7	−23.3	170.6	−14.7	81.5	208

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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}
2020/04/11 19:54:35	47955 2000 QZ73	13.2	19.06	6.76	119	1.0	35°20'58'' 49°09'49''	214	1.8	UCAC4 366-67138	12.31	15 ^h 02 ^m 15.374 ^s −16°51'52.914''	10.0	132	154.2	-27.6	25.6	-7.9	81.2	258
2020/04/11 20:18:42	19081 Mravinskij	8.3	18.01	4.09	145	0.6	36°31'46'' 48°45'01''	173	1.4	UCAC4 480-41101	13.94	7 ^h 57 ^m 12.347 ^s 5°56'44.644''	22.3	252	97.8	-29.2	132.4	-4.5	81.1	131
2020/04/11 21:22:40	3297 Hong Kong	11.0	17.80	4.25	177	0.8	34°51'52'' 48°45'29''	215	1.5	UCAC4 391-61428	13.58	14 ^h 35 ^m 13.600 ^s −11°53'50.324''	25.4	157	161.7	-31.5	34.2	3.6	80.7	149
2020/04/12 01:04:29	3686 Antoku	17.0	17.63	4.99	83	0.7	36°21'19'' 49°18'13''	177	3.0	UCAC4 372-174627	12.65	20 ^h 39 ^m 31.344 ^s −15°39'59.968''	7.6	126	74.2	-15.8	51.5	18.6	79.3	210
2020/04/12 17:50:34	2296 Kugulti-nov	14.5	17.15	3.22	200	0.6	35°07'24'' 48°25'05''	205	1.7	UCAC4 572-34012	13.98	6 ^h 47 ^m 32.473 ^s 24°12'58.116''	47.8	249	77.8	-13.7	165.3	-36.8	72.7	170
2020/04/12 21:25:30	431 Nephela	95.0	15.36	1.82	194	3.3	33°42'29'' 49°31'49''	253	11.7	UCAC4 565-18904	13.76	5 ^h 39 ^m 16.305 ^s 22°52'25.103''	3.0	303	62.1	-31.1	177.0	-5.0	71.2	214
2020/04/12 22:55:15	743 Eugenis	53.2	15.56	2.21	89	3.4	35°04'22'' 49°52'32''	258	12.1	UCAC4 530-43764	13.51	7 ^h 44 ^m 08.476 ^s 15°56'55.170''	2.5	292	91.9	-28.5	153.5	5.8	70.6	145
2020/04/12 23:21:19	21373 1997 VF6	8.7	17.34	4.62	182	1.5	38°49'09'' 50°14'56''	83	0.8	UCAC4 328-121097	12.73	17 ^h 52 ^m 49.869 ^s −24°35'30.290''	7.5	144	114.8	-26.7	1.7	8.3	70.4	107
2020/04/13 16:48:27	2007 Mc-Cuskey	21.9	16.73	6.03	111	1.1	35°40'47'' 49°07'37''	203	4.6	TYC 1900-1189-1	10.71	7 ^h 14 ^m 03.409 ^s 25°14'29.421''	60.0	223	82.8	-4.5	172.0	-54.6	63.0	131
2020/04/13 18:13:44	4694 Festou	9.1	16.58	3.82	212	0.7	37°57'53'' 51°37'59''	34	0.4	UCAC4 376-65895	12.80	13 ^h 10 ^m 30.342 ^s −14°51'00.253''	13.9	135	172.8	-16.5	77.8	-42.6	62.5	104
2020/04/13 18:36:34	1550 Tito	13.8	17.17	7.32	237	2.5	37°52'38'' 48°11'36''	151	0.9	TYC 1426-482-1	9.85	10 ^h 29 ^m 18.752 ^s 21°33'13.641''	61.8	181	126.2	-19.3	128.3	-39.1	62.2	134
2020/04/13 18:45:42	7887 Bratfest	12.0	16.80	4.33	197	3.4	38°59'50'' 50°24'12''	78	0.9	UCAC4 428-52158	12.49	10 ^h 00 ^m 53.033 ^s −4°34'09.627''	34.9	192	128.2	-20.4	124.1	-37.7	62.3	114
2020/04/13 19:04:34	12809 1996 BB	8.7	17.60	4.61	47	0.7	36°00'44'' 49°39'41''	205	2.6	UCAC4 507-53215	13.00	12 ^h 36 ^m 00.158 ^s 11°15'57.531''	46.6	144	155.5	-22.4	96.5	-34.8	62.1	122
2020/04/13 19:07:06	17164 1999 LP24	11.5	17.65	4.61	13	1.1	36°06'36'' 50°02'46''	269	3.2	UCAC4 398-50994	13.06	10 ^h 53 ^m 05.311 ^s −10°34'01.482''	29.5	183	141.6	-22.7	110.2	-34.4	62.1	145
2020/04/13 21:24:34	35539 1998 FJ91	8.3	17.09	3.47	254	0.8	34°21'51'' 48°08'53''	213	0.1	UCAC4 473-52729	13.67	15 ^h 01 ^m 59.215 ^s 4°34'00.194''	39.9	146	153.0	-30.7	62.4	-13.5	61.1	100
2020/04/14 00:11:34	15519 1999 XW	10.0	18.63	5.02	10	1.2	36°08'54'' 50°02'58''	271	2.3	UCAC4 332-175615	13.62	18 ^h 39 ^m 47.981 ^s −23°43'25.596''	8.9	145	105.2	-21.5	4.0	7.3	59.8	170
2020/04/14 16:42:09	2136 Jugta	18.2	16.89	3.28	228	1.1	36°18'00'' 52°05'48''	0	1.6	UCAC4 542-42877	13.66	7 ^h 46 ^m 19.221 ^s 18°23'09.008''	56.8	204	90.2	-3.3	174.4	-60.7	52.8	153
2020/04/14 16:56:16	6168 Isnello	8.7	18.25	4.60	1	3.2	36°16'17'' 50°02'42''	255	2.4	UCAC4 530-50213	13.67	9 ^h 33 ^m 27.075 ^s 15°50'45.423''	55.1	164	115.6	-5.5	151.6	-59.4	52.6	144
2020/04/14 23:16:16	3351 Smith	8.7	18.91	9.65	33	1.1	36°41'38'' 49°54'01''	119	2.0	TYC 249-1043-1	9.26	10 ^h 23 ^m 09.341 ^s 4°28'46.683''	14.3	260	130.5	-26.3	138.8	-4.9	50.0	169
2020/04/14 23:47:58	2828 Iku-Turso	8.3	17.54	7.70	99	0.8	35°42'41'' 49°14'12''	204	2.0	UCAC4 335-189636	9.84	18 ^h 51 ^m 13.099 ^s −23°10'39.476''	6.3	138	103.5	-23.6	14.0	-0.8	49.7	108

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}
2020/04/15 19:47:34	3259 Brown-lee	37.5	15.73	2.64	152	2.1	36°31'41" 51°24'31"	6	5.9	UCAC4 484-36842	13.18	7 ^h 25 ^m 15.297 ^s 6°41'39.174"	20.3	256	86.1	-25.8	157.3	-42.8	41.5	158
2020/04/16 00:44:32	17788 1998 FT41	8.7	18.09	5.36	241	1.0	33°01'29" 50°37'50"	286	0.5	UCAC4 391-90659	12.74	18 ^h 26 ^m 34.314 ^s -11°57'00.914"	24.5	153	109.2	-17.0	34.9	1.6	39.5	135
2020/04/16 20:24:48	2115 Irakli	21.1	15.57	5.37	105	3.2	37°14'19" 50°46'25"	40	4.8	UCAC4 335-80480	10.21	15 ^h 56 ^m 05.010 ^s -23°00'08.448"	4.2	134	145.2	-27.9	76.7	-42.3	31.8	120
2020/04/16 21:01:12	5438 Lorre	14.5	16.30	2.83	77	0.6	37°14'01" 50°22'20"	62	3.6	UCAC4 535-35835	13.55	6 ^h 54 ^m 19.549 ^s 16°52'09.981"	10.7	284	76.1	-29.3	142.9	-36.9	31.5	136
2020/04/16 22:30:02	6723 Chrisclark	10.5	17.16	7.99	72	0.8	36°12'05" 50°41'27"	355	2.8	TYC 4950-267-1	9.17	12 ^h 50 ^m 16.444 ^s -2°11'58.164"	33.1	212	165.0	-28.4	127.4	-23.0	31.0	126
2020/04/16 23:25:05	31735 1999 JJ72	9.1	17.53	3.91	91	1.3	36°06'17" 50°51'29"	352	2.3	UCAC4 376-75565	13.65	16 ^h 11 ^m 48.133 ^s -14°55'11.662"	24.6	170	142.9	-24.9	76.9	-14.4	30.6	120
2020/04/16 23:34:57	769 Tatjana	106.4	13.64	0.83	208	21.8	33°50'23" 49°03'41"	238	7.0	UNKNOWN UN- KNOWN	13.50	17 ^h 34 ^m 16.997 ^s -27°53'43.852"	8.3	155	122.7	-24.1	55.9	-12.9	30.4	109
2020/04/17 00:37:07	4083 Jody	11.0	17.82	3.90	87	1.4	37°22'13" 49°41'19"	117	2.6	UNKNOWN UN- KNOWN	13.95	18 ^h 41 ^m 37.563 ^s -9°47'04.866"	25.1	148	106.2	-17.6	43.4	-3.6	30.2	140
2020/04/17 01:57:26	1674 Groen-eveld	27.4	17.79	9.55	221	1.0	36°20'49" 52°02'03"	1	0.4	TYC 6361-870-1	8.24	21 ^h 28 ^m 36.991 ^s -16°09'01.768"	10.2	131	67.9	-6.8	3.4	7.2	29.7	82
2020/04/17 01:58:13	2430 Bruce Helin	13.8	16.14	3.21	243	1.0	39°35'28" 49°35'45"	102	0.3	UCAC4 265-167022	12.98	18 ^h 18 ^m 41.490 ^s -37°01'01.118"	3.0	177	112.7	-6.7	48.0	7.3	29.6	99
2020/04/17 23:00:43	33308 1998 KR53	9.1	18.40	5.30	175	0.7	38°09'38" 51°04'38"	49	1.2	UCAC4 368-173782	13.11	19 ^h 27 ^m 31.025 ^s -16°28'26.742"	3.1	120	97.1	-26.4	42.1	-22.6	22.3	152
2020/04/17 23:50:23	1660 Wood	18.1	15.75	2.14	121	1.8	34°43'42" 49°38'24"	248	3.3	UCAC4 405-69849	13.77	17 ^h 13 ^m 47.665 ^s -9°03'35.789"	29.0	160	128.5	-22.3	75.7	-14.8	22.1	92
2020/04/18 01:49:21	5541 Seimei	11.5	18.22	5.14	179	1.3	33°50'03" 50°22'51"	282	1.5	UCAC4 404-79619	13.09	18 ^h 32 ^m 37.771 ^s -9°16'32.447"	30.4	171	109.3	-7.7	57.6	3.2	21.4	163
2020/04/18 18:24:12	2650 Elinor	20.0	16.69	3.28	232	0.6	38°45'49" 51°25'07"	49	1.9	UCAC4 610-28509	13.47	6 ^h 04 ^m 01.150 ^s 31°55'31.952"	37.2	277	62.3	-16.4	109.7	-51.5	16.3	174
2020/04/18 19:00:42	2877 Likhachev	37.0	18.84	5.16	253	1.2	37°56'15" 52°04'26"	28	3.5	UCAC4 570-18393	13.69	5 ^h 36 ^m 56.104 ^s 23°57'33.660"	21.5	282	55.8	-20.5	102.8	-51.5	16.1	220
2020/04/19 00:27:40	1715 Sali	23.1	14.89	1.94	113	3.0	37°45'43" 50°25'16"	68	2.5	UCAC4 304-130904	13.15	17 ^h 25 ^m 07.770 ^s -29°15'47.521"	10.2	171	126.5	-18.0	81.9	-12.5	14.5	58
2020/04/19 01:40:11	1087 Arabis	31.8	15.24	2.33	9	6.0	36°22'34" 49°59'10"	137	8.7	UCAC4 296-120490	13.04	17 ^h 18 ^m 19.048 ^s -30°49'54.297"	8.8	188	127.8	-8.7	83.8	-1.1	14.1	145
2020/04/19 17:45:48	1652 Herge	11.5	14.36	1.45	15	1.5	36°04'31" 50°01'58"	264	7.4	UCAC4 388-60931	13.24	13 ^h 12 ^m 28.622 ^s -12°33'14.732"	15.2	132	170.5	-11.3	150.1	-42.7	10.1	60
2020/04/19 20:47:00	6420 Rihei-jyava	11.5	18.32	5.66	136	0.6	37°36'06" 50°56'33"	43	1.9	UCAC4 543-43082	12.66	7 ^h 33 ^m 52.539 ^s 18°35'15.373"	18.6	277	82.2	-27.9	117.1	-43.9	9.4	176
2020/04/19 21:32:10	817 Annika	22.1	15.60	3.67	259	0.7	33°20'14" 48°44'00"	235	1.2	UCAC4 562-30722	11.97	6 ^h 31 ^m 51.957 ^s 22°19'10.909"	5.1	299	67.4	-28.7	102.2	-39.8	9.2	142

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 (%)
2020/04/19 22:16:54	8739 Morihisa	11.5	17.69	3.82	209	0.9	35°02'58" 48°21'26"	205	1.1 3.1	UCAC4 463-49967	13.91	12 ^h 26 ^m 31.303 ^s 2°34'02.499"	35.3	221	154.6	-27.9	170.4	-34.6	9.1	147
2020/04/19 23:41:00	31790 LA1	8.7	17.13	5.20	211	0.9	37°20'08" 48°16'57"	159	0.4 3.4	UCAC4 595-46611	11.94	9 ^h 56 ^m 24.937 ^s 28°51'55.176"	21.1	290	110.3	-22.5	144.1	-22.7	8.7	103
2020/04/20 00:17:13	30791 RY11	12.6	19.53	5.70	87	0.7	35°17'34" 49°35'43"	235	1.5 1.6	UCAC4 494-60924	13.83	14 ^h 51 ^m 56.064 ^s 8°44'06.894"	43.5	217	154.9	-18.9	136.0	-17.2	8.6	321
2020/04/20 00:47:31	21542 Kenna- jeannet	8.3	18.34	5.48	37	0.9	36°47'40" 50°00'17"	97	2.3 2.4	UNKNOWN UN- KNOWN	12.87	18 ^h 37 ^m 28.283 ^s -4°44'46.252"	32.0	153	109.2	-15.3	79.2	-12.4	8.5	141
2020/04/20 17:13:16	3311 Podobed	24.0	17.77	4.47	23	0.9	36°34'04" 50°09'08"	60	6.0 6.0	UCAC4 563-34631	13.32	6 ^h 48 ^m 28.640 ^s 22°27'26.573"	47.5	245	70.4	-6.5	96.4	-30.7	5.3	159
2020/04/20 18:10:17	559 Nanon	79.8	15.24	2.00	253	2.5	37°40'14" 52°08'59"	23	6.5 17.9	UCAC4 562-20661	13.43	5 ^h 49 ^m 20.711 ^s 22°22'49.362"	29.2	271	56.7	-14.2	82.3	-36.8	5.1	176
2020/04/20 22:02:41	32259 OT53	12.6	17.52	6.04	203	1.6	36°38'21" 51°51'12"	7	1.3 3.4	UCAC4 458-46001	11.48	8 ^h 59 ^m 33.452 ^s 1°35'50.512"	6.7	265	105.3	-28.0	126.4	-36.4	4.5	149
2020/04/21 00:00:29	24531 CE21	15.8	19.66	6.69	222	0.5	34°41'18" 51°46'10"	329	1.5 1.8	UCAC4 472-126696	12.97	22 ^h 04 ^m 19.761 ^s 4°13'58.136"	6.4	91	57.7	-20.3	38.7	-22.0	4.2	347
2020/04/21 00:10:04	6830 John- backus	9.5	17.87	7.16	37	0.8	36°14'50" 49°43'02"	184	2.7 2.8	UCAC4 336-192023	10.71	19 ^h 27 ^m 33.642 ^s -22°58'23.149"	7.5	140	101.0	-19.3	78.1	-20.6	4.1	135
2020/04/21 02:30:02	4668 Rayjay	12.0	17.51	4.60	192	2.9	38°38'08" 49°13'59"	118	1.3 3.4	UCAC4 282-109961	12.93	17 ^h 08 ^m 04.178 ^s -33°44'11.795"	3.1	202	131.2	-0.7	109.0	1.2	3.7	140
2020/04/21 02:33:07	17212 AV183	10.5	18.61	6.57	82	1.9	37°25'13" 50°10'14"	80	2.1 2.3	UCAC4 391-73466	12.05	17 ^h 18 ^m 03.405 ^s -11°54'17.689"	24.5	207	130.7	-0.2	110.3	1.7	3.8	181
2020/04/21 22:25:54	12528 KL31	8.7	16.75	2.96	35	2.8	35°52'54" 49°51'51"	235	3.6 3.8	UCAC4 366-96544	13.86	17 ^h 36 ^m 24.268 ^s -16°54'07.637"	14.1	140	127.4	-26.9	115.5	-33.3	1.4	90
2020/04/22 00:03:35	22805 RR2	10.5	18.55	4.64	236	2.5	39°24'35" 50°47'08"	70	0.9 2.5	UCAC4 335-143740	13.92	18 ^h 17 ^m 05.213 ^s -23°07'57.369"	13.2	155	118.1	-19.7	105.9	-23.0	1.3	170
2020/04/22 01:02:21	4813 Terebizh	30.0	17.18	4.25	81	4.9	37°24'51" 50°06'02"	86	7.7 9.5	UCAC4 276-110736	12.95	17 ^h 29 ^m 23.380 ^s -34°51'19.821"	5.2	180	127.6	-12.8	115.3	-14.9	1.2	126
2020/04/22 02:09:49	17617 Taki- motoikuo	10.5	18.08	6.35	133	0.6	37°59'29" 50°32'10"	66	1.9 2.7	UCAC4 298-239047	11.74	20 ^h 14 ^m 39.740 ^s -30°35'07.048"	6.6	159	93.1	-3.4	81.4	-4.7	1.1	154
2020/04/22 17:08:50	3256 Da- guerre	24.4	17.54	4.04	140	1.7	36°21'49" 51°18'13"	2	4.1 6.0	UCAC4 524-48058	13.53	8 ^h 42 ^m 02.096 ^s 14°37'33.429"	53.0	203	96.3	-5.3	100.2	-11.4	0.3	161
2020/04/22 23:47:39	7750 McEwen	12.4	16.63	2.81	243	1.1	39°40'03" 49°50'59"	95	0.1 6.0	UCAC4 337-151090	13.91	18 ^h 28 ^m 43.135 ^s -22°36'58.494"	11.9	150	116.4	-20.9	115.1	-25.2	0.2	83
2020/04/22 23:55:17	769 Tatjana	106.4	13.52	0.93	20	28.7	36°29'49" 50°10'01"	49	37.9 38.5	UNKNOWN UN- KNOWN	13.19	17 ^h 35 ^m 08.981 ^s -28°16'47.931"	10.3	165	128.4	-20.2	126.8	-24.4	0.1	106
2020/04/23 00:23:44	2027 Shen Guo	17.4	16.91	3.20	168	3.9	38°36'00" 50°20'42"	79	2.5 4.2	UCAC4 309-154324	13.77	18 ^h 02 ^m 47.491 ^s -28°16'14.920"	10.4	165	122.3	-17.2	121.0	-21.3	0.1	167
2020/04/23 01:14:00	546 Herodias	66.0	14.49	1.25	130	8.7	34°29'03" 50°11'29"	277	12.2 22.7	UCAC4 257-142676	13.66	17 ^h 58 ^m 10.172 ^s -38°39'11.212"	1.4	177	122.1	-11.0	120.3	-15.1	0.1	114

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			Star					Sun		Moon						
	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}
2020/04/23 01:58:58	36204 TM101	9.5	18.04	4.40	23	0.9	35°58'24" 50°01'34"	264	2.7	UCAC4 476-66971	13.65	17 ^h 34 ^m 51.380 ^s 5°00'58.292"	43.7	199	124.6	-4.7	126.8	-8.8	0.1	141
2020/04/24 00:33:16	8175 Boer- haave	12.0	16.71	4.18	91	1.0	36°37'50" 50°50'06"	16	3.0	UCAC4 475-51631	12.56	13 ^h 44 ^m 15.428 ^s 4°51'52.742"	28.0	241	161.4	-15.8	155.8	-20.7	0.9	118
2020/04/24 20:42:58	3675 Kem- stach	19.1	17.15	4.04	51	0.8	35°42'48" 49°46'12"	233	4.1	UCAC4 589-39984	13.14	7 ^h 24 ^m 19.886 ^s 27°46'37.395"	21.4	288	73.9	-26.1	54.9	-18.3	2.9	179
2020/04/24 21:08:15	11825 1982 UW1	11.5	17.07	4.02	211	0.8	38°26'49" 51°21'47"	47	1.0	UCAC4 399-56651	13.08	14 ^h 46 ^m 09.267 ^s -10°19'39.323"	28.4	163	170.8	-26.8	167.6	-20.2	3.0	132
2020/04/24 23:57:18	845 Naema	54.4	14.62	1.68	76	4.8	36°45'21" 49°26'12"	154	15.3	UCAC4 346-75352	13.20	15 ^h 30 ^m 10.690 ^s -20°51'16.854"	17.7	196	159.5	-19.3	175.2	-22.4	3.4	112
2020/04/25 00:55:30	2790 Need- ham	10.0	17.78	4.10	161	1.6	38°31'56" 49°56'05"	94	1.4	UCAC4 295-153761	13.70	18 ^h 01 ^m 15.438 ^s -31°10'13.126"	8.7	174	124.4	-12.8	144.8	-18.8	3.6	131
2020/04/25 01:08:56	6475 Refugium	19.1	16.70	4.96	256	0.9	38°04'12" 48°04'09"	150	1.7	UCAC4 376-173922	11.75	20 ^h 55 ^m 40.778 ^s -14°58'37.148"	13.1	134	82.9	-11.1	104.6	-17.7	3.6	197
2020/04/25 17:16:44	28773 2000 HU35	9.1	18.41	6.68	229	0.7	38°39'19" 51°27'04"	47	0.8	UCAC4 551-45562	11.74	8 ^h 53 ^m 00.069 ^s 20°03'13.088"	57.5	209	94.4	-5.8	65.4	16.6	6.4	158
2020/04/25 17:58:24	929 Algunde	15.1	16.77	3.67	203	0.5	35°12'03" 48°22'19"	203	1.6	UCAC4 549-32083	13.14	6 ^h 44 ^m 28.636 ^s 19°40'17.290"	34.8	259	64.8	-11.4	35.3	10.4	6.5	144
2020/04/25 18:50:17	1129 Neu- jmina	34.8	15.91	4.17	20	0.8	36°21'55" 50°13'11"	16	7.0	UCAC4 565-10630	11.77	4 ^h 26 ^m 10.677 ^s 22°49'27.167"	7.4	297	32.8	-17.5	4.4	3.0	6.7	197
2020/04/25 20:50:25	471325 2011 KT19	120.2	21.78	10.19	66	3.8	36°06'29" 49°27'60"	191	1.2	UCAC4 496-64872	11.59	15 ^h 51 ^m 59.081 ^s 9°00'45.538"	40.0	133	146.9	-26.0	150.7	-11.5	7.1	4022
2020/04/25 22:17:06	0 2012 TJ124	8.7	19.77	7.73	243	0.5	37°42'15" 52°02'37"	25	0.8	UCAC4 463-53534	12.04	14 ^h 47 ^m 34.706 ^s 2°32'34.921"	42.6	184	162.0	-25.9	147.7	-18.1	7.4	294
2020/04/26 00:06:55	4490 Bam- bery	8.3	16.91	3.89	201	1.1	33°29'14" 50°15'38"	277	0.2	UCAC4 500-92589	13.05	18 ^h 41 ^m 19.835 ^s 9°55'41.111"	43.9	140	109.8	-18.0	135.6	-20.1	7.8	82
2020/04/26 00:36:16	15519 1999 XW	10.0	18.46	7.24	138	2.3	34°31'05" 49°33'09"	246	1.7	UCAC4 330-172946	11.22	18 ^h 42 ^m 38.225 ^s -24°10'56.257"	13.6	161	116.3	-14.8	148.9	-19.4	8.0	160
2020/04/26 17:50:12	3675 Kem- stach	19.1	17.16	7.38	147	0.8	37°46'04" 50°58'33"	46	3.0	UCAC4 589-40181	9.78	7 ^h 26 ^m 22.059 ^s 27°36'46.647"	47.9	256	72.5	-10.1	32.4	21.1	12.2	181
2020/04/26 18:12:37	343159 2009 JD17	8.7	20.28	7.39	139	0.5	36°24'44" 48°47'58"	176	0.8	UCAC4 504-55778	12.89	13 ^h 30 ^m 26.529 ^s 10°38'59.405"	39.9	128	152.9	-12.9	117.9	17.7	12.3	390
2020/04/26 18:40:09	1223 Neckar	26.3	16.14	3.25	138	0.7	35°25'36" 48°56'31"	207	4.3	UCAC4 572-13728	12.94	5 ^h 01 ^m 22.387 ^s 24°18'23.991"	14.6	291	40.0	-16.1	2.9	13.6	12.4	184
2020/04/27 01:11:18	1418 Fayeta	10.0	14.80	1.82	230	1.7	33°30'10" 51°06'43"	301	0.0	UCAC4 293-88997	13.21	15 ^h 58 ^m 42.640 ^s -31°30'41.935"	4.3	205	151.0	-10.2	159.3	-17.3	14.3	66
2020/04/27 01:42:29	6514 Torahiko	9.1	17.56	4.32	209	1.3	39°09'20" 49°44'34"	99	0.6	UCAC4 373-137310	13.26	18 ^h 36 ^m 08.505 ^s -15°30'41.357"	24.6	178	117.9	-5.9	161.4	-16.2	14.3	115
2020/04/27 17:03:17	12214 Mirosh- nikov	14.5	16.26	2.60	84	1.2	36°49'31" 50°43'12"	27	3.7	UCAC4 331-69056	13.76	13 ^h 09 ^m 38.111 ^s -23°55'34.670"	4.3	136	160.4	-3.4	114.9	37.6	19.2	122

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				
Date Time (UTC)	Asteroid			Nearest point			Star					Sun		Moon						
	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}
2020/04/27 19:50:37	486 Cremona	22.0	16.35	3.34	137	0.6	38°01'37'' 50°34'28''	65	3.8	UCAC4 577-19216	13.06	5 ^h 48 ^m 38.957 ^s 25°15'33.048''	11.3	296	49.7	-22.3	4.0	12.2	20.2	165
2020/04/27 20:35:35	436 Patricia	59.5	16.08	2.37	94	1.6	35°02'57'' 49°46'42''	251	10.3	UCAC4 641-26683	13.85	5 ^h 27 ^m 41.696 ^s 38°08'32.132''	12.9	315	47.6	-24.9	16.8	5.9	20.4	208
2020/04/27 22:46:35	999 Zachia	21.2	15.31	5.18	241	1.3	38°02'40'' 48°12'30''	148	1.3	UCAC4 396-122106	10.13	19 ^h 50 ^m 02.415 ^s -10°55'51.704''	8.0	118	100.3	-23.9	153.3	-9.0	21.2	136
2020/04/27 22:48:00	5725 Nordlin- gen	8.7	17.30	3.98	145	0.9	34°18'13'' 49°47'20''	259	1.3 3.3	UNKNOWN UN- KNOWN	13.35	17 ^h 13 ^m 43.459 ^s -29°07'43.428''	8.2	159	137.6	-23.8	166.0	-9.1	21.2	106
2020/04/27 23:07:07	1108 Demeter	25.6	15.65	2.83	84	1.0	35°06'33'' 50°00'44''	267	7.3	UCAC4 456-111933	12.90	20 ^h 24 ^m 29.193 ^s 1°04'07.194''	15.6	108	89.1	-22.6	139.4	-10.7	21.3	91
2020/04/28 21:22:23	1712 Angola	59.5	14.63	1.48	218	6.8	38°07'46'' 51°37'24''	37	2.8	UCAC4 373-117812	13.47	18 ^h 08 ^m 57.705 ^s -15°24'50.635''	7.2	124	126.2	-25.7	164.6	7.2	29.6	106
2020/04/28 21:47:40	347 Pariana	51.3	13.90	0.98	155	1.7	34°46'48'' 49°03'31''	224	7.9	UCAC4 599-37874	13.49	6 ^h 58 ^m 39.840 ^s 29°44'46.628''	7.8	308	64.2	-25.6	6.1	3.9	29.8	137
2020/04/28 22:27:45	548 Kressida	18.2	15.25	2.55	26	1.8	36°28'26'' 50°15'09''	30	6.4	UCAC4 370-74973	12.81	16 ^h 08 ^m 27.914 ^s -16°01'37.513''	23.3	168	155.2	-24.5	137.7	-1.1	30.0	110
2020/04/28 23:15:19	8538 Gam- melmaja	11.5	17.08	3.59	200	2.8	35°11'15'' 48°24'04''	203	1.0	UCAC4 271-137466	13.53	18 ^h 00 ^m 22.654 ^s -35°58'59.220''	0.7	158	127.7	-21.7	160.8	-6.3	30.5	121
2020/04/29 00:48:28	17854 1998 JC4	10.0	18.14	5.38	63	2.2	35°26'02'' 49°54'13''	255	2.5	UCAC4 375-119921	12.77	18 ^h 25 ^m 34.790 ^s -15°03'05.292''	24.4	169	122.3	-12.5	166.1	-13.7	30.9	146
2020/04/29 16:43:55	15638 2000 JA65	17.4	18.59	5.01	88	0.5	36°56'05'' 50°43'04''	32	2.5	UCAC4 554-20418	13.59	5 ^h 56 ^m 37.289 ^s 20°44'19.579''	37.3	258	49.7	-0.1	26.3	55.6	37.6	267
2020/04/29 17:44:28	413 Edburga	31.9	14.82	5.22	213	0.7	36°09'28'' 48°08'02''	182	3.4	TYC 1270- 17-1	9.61	4 ^h 35 ^m 33.443 ^s 16°57'47.271''	11.9	282	30.6	-8.6	46.4	47.6	38.1	170
2020/04/29 18:29:13	429 Lotis	69.6	15.22	2.14	278	1.6	37°00'51'' 52°29'59''	11	5.1	UCAC4 536-10657	13.24	4 ^h 56 ^m 05.707 ^s 17°06'16.456''	8.2	287	35.4	-14.1	42.0	40.9	38.4	191
2020/04/29 23:54:30	7191 1993 MA1	10.5	15.98	2.62	51	1.0	36°15'50'' 50°30'09''	358	3.1	UCAC4 434-58476	13.46	13 ^h 38 ^m 10.299 ^s -3°22'14.089''	22.3	234	162.9	-18.1	84.6	-5.6	40.8	124
2020/04/30 16:49:29	2904 Millman	16.9	16.99	3.18	76	0.5	36°38'17'' 50°41'49''	19	3.6	UCAC4 613-38961	13.87	6 ^h 55 ^m 09.593 ^s 32°26'02.474''	53.3	258	61.7	-0.7	27.3	58.7	48.4	172
2020/04/30 18:05:32	596 Scheila	113.3	15.26	1.61	300	3.0	33°51'13'' 47°52'41''	216	8.2	UCAC4 584-15167	13.93	5 ^h 07 ^m 13.691 ^s 26°43'46.863''	20.2	288	37.8	-11.0	50.9	50.6	48.9	221
2020/04/30 18:44:01	11513 1991 CE1	10.0	16.74	4.92	58	0.9	35°41'44'' 49°41'18''	227	3.1 3.5	UCAC4 371-69461	11.83	15 ^h 03 ^m 24.366 ^s -15°57'17.766''	11.1	132	172.5	-15.5	98.3	45.3	49.2	115
2020/04/30 21:25:38	33302 1998 KV48	8.7	18.16	5.37	166	1.5	34°16'04'' 50°48'25''	300	1.2	UCAC4 572-47539	12.80	10 ^h 47 ^m 21.518 ^s 24°23'17.290''	40.7	260	112.2	-25.1	25.4	20.5	50.5	146
2020/04/30 22:03:23	14781 1107 T- 3	8.3	16.84	4.60	235	0.8	33°21'45'' 49°07'18''	244	0.2	UCAC4 336-75269	12.26	15 ^h 22 ^m 33.397 ^s -22°55'17.502''	17.1	176	165.9	-24.7	102.9	14.7	50.7	100

