

## Occultations table

Observation point: VladimirNebotov  
EMail: nebotov@ukr.net  
Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')  
Maximal Distance = 250.0  
Maximal Mv = 14.00  
Minimal Duration = 0.5s  
Maximal Sun Elevation = 0.0  
Minimal drop: 0.5  
Minimal probability: 0.0  
Minimal probability in nearest point: 0.5  
Minimal star elevation: 0.0  
Program: LinOccult 2.3.0  
Author: Plekhanov Andrey andyplekhanov@gmail.com  
Events number: 186

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 1		LinOccult 2.3.0			
		Asteroid			Nearest point			Star				Sun		Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2018/05/01 00:19:17	13591 BC1	9.1	17.06	4.09	120	3.6	37°33'58'' 49°21'39''	130	1.8 3.1	UCAC4 253-129302	13.00	17 <sup>h</sup> 40 <sup>m</sup> 47.297 <sup>s</sup> −39°31'55.285''	0.4	176	132.0	-15.4	39.7	21.6	98.8	119	
2018/05/01 19:20:02	24470 SJ310	21.9	18.66	4.85	148	1.7	38°15'06'' 49°39'11''	107	2.7 3.1	UCAC4 338-62433	13.82	10 <sup>h</sup> 56 <sup>m</sup> 16.563 <sup>s</sup> −22°35'45.595''	14.9	201	128.1	-18.9	71.8	8.5	96.6	283	
2018/05/01 22:20:24	9721 Doty	5.5	17.22	3.60	81	4.1	35°31'50'' 49°30'19''	222	1.6 2.9	UCAC4 369-123152	13.66	18 <sup>h</sup> 14 <sup>m</sup> 26.480 <sup>s</sup> −16°23'25.809''	13.9	138	127.5	-24.0	29.4	23.1	96.0	76	
2018/05/01 22:32:21	40756 TQ8	5.5	18.47	4.80	216	0.7	34°03'47'' 48°45'33''	228	0.5 1.5	UCAC4 374-78869	13.69	16 <sup>h</sup> 59 <sup>m</sup> 44.469 <sup>s</sup> −15°18'58.960''	22.3	158	145.2	-23.5	12.2	23.4	96.2	148	
2018/05/01 23:42:37	45599 DJ3	6.0	18.88	5.09	172	2.3	38°26'11'' 50°46'06''	62	0.8 1.7	UCAC4 388-93504	13.80	18 <sup>h</sup> 19 <sup>m</sup> 18.699 <sup>s</sup> −12°31'13.386''	24.4	155	125.7	-18.8	31.3	23.2	96.1	142	
2018/05/02 01:10:25	19364 Se-mafor	9.5	16.43	2.93	114	1.2	37°51'39'' 50°13'16''	80	1.9 4.2	UCAC4 410-68924	13.57	17 <sup>h</sup> 06 <sup>m</sup> 42.772 <sup>s</sup> −8°11'30.691''	30.0	200	142.4	-9.0	15.2	18.4	95.7	91	
2018/05/02 18:41:17	769 Tatjana	106.4	15.65	3.58	292	4.8	33°22'10'' 48°15'07''	226	7.3 21.2	UCAC4 592-41650	12.11	7 <sup>h</sup> 46 <sup>m</sup> 32.787 <sup>s</sup> 28°17'54.021''	39.9	268	71.5	-14.8	139.0	-5.2	92.4	198	
2018/05/02 18:49:18	1762 Russell	19.1	16.93	5.47	49	0.6	36°55'23'' 50°13'18''	67	4.3 4.5	UCAC4 560-29561	11.47	6 <sup>h</sup> 27 <sup>m</sup> 33.855 <sup>s</sup> 21°50'48.820''	21.4	279	54.3	-15.6	157.4	-4.0	92.4	168	
2018/05/02 19:46:52	1698 Christophe	25.0	16.90	3.26	80	1.1	37°04'54'' 50°33'40''	45	5.7 6.6	UCAC4 559-44659	13.70	8 <sup>h</sup> 07 <sup>m</sup> 30.613 <sup>s</sup> 21°36'13.883''	28.0	271	77.3	-20.8	134.7	3.7	92.2	151	
2018/05/02 20:19:15	13555 JB2	7.9	17.06	3.75	122	0.7	35°15'32'' 49°10'55''	217	1.5 3.1	UCAC4 372-72833	13.35	15 <sup>h</sup> 56 <sup>m</sup> 38.596 <sup>s</sup> −15°40'53.773''	16.6	142	161.2	-22.8	14.3	7.7	92.1	102	
2018/05/02 21:27:09	4666 Dietz	9.1	14.80	4.42	224	0.7	39°21'35'' 49°41'46''	100	0.0 5.9	UCAC4 334-68439	10.40	13 <sup>h</sup> 35 <sup>m</sup> 50.770 <sup>s</sup> −23°17'30.243''	15.6	194	163.2	-24.7	47.2	14.7	91.8	62	
2018/05/03 00:13:41	5818 RC1	7.9	17.34	4.02	91	2.0	36°09'40'' 50°51'45''	354	2.1 3.2	UCAC4 390-104146	13.34	18 <sup>h</sup> 50 <sup>m</sup> 57.847 <sup>s</sup> −12°11'16.094''	24.9	156	119.1	-15.4	26.5	21.2	91.2	100	
2018/05/03 00:43:18	36275 AO138	6.0	18.05	6.92	60	0.7	36°34'04'' 49°32'29''	160	1.7 1.9	UCAC4 369-77143	11.14	16 <sup>h</sup> 39 <sup>m</sup> 08.967 <sup>s</sup> −16°20'34.002''	21.8	199	151.2	-12.1	6.6	20.5	91.1	130	
2018/05/03 01:57:02	3986 Rozhkovskij	9.5	16.92	4.17	51	5.0	36°23'57'' 50°30'00''	9	3.5 4.0	UCAC4 318-154317	12.77	18 <sup>h</sup> 12 <sup>m</sup> 04.776 <sup>s</sup> −26°35'26.357''	12.5	192	129.6	-2.4	16.7	16.4	90.8	95	
2018/05/03 19:35:00	6982 UA3	9.5	16.23	4.58	183	0.8	34°51'46'' 48°41'30''	214	0.6 4.1	UCAC4 401-59045	11.66	15 <sup>h</sup> 03 <sup>m</sup> 02.287 <sup>s</sup> −9°53'39.644''	23.2	143	172.3	-19.6	40.2	-5.7	86.3	94	
2018/05/03 20:31:04	16335 5058 T-2	5.2	17.29	6.44	42	0.6	35°42'50'' 49°56'57''	255	1.9 2.1	UCAC4 348-69458	10.85	13 <sup>h</sup> 34 <sup>m</sup> 28.618 <sup>s</sup> −20°27'21.124''	19.6	182	163.1	-23.1	58.8	1.8	86.1	101	
2018/05/03 20:49:14	927 Ratis-bona	67.5	15.42	2.91	128	2.5	38°02'11'' 50°17'59''	77	12.1 16.3	UCAC4 614-41761	12.59	7 <sup>h</sup> 49 <sup>m</sup> 30.817 <sup>s</sup> 32°41'51.660''	22.7	294	70.5	-23.7	150.0	4.1	86.0	164	
2018/05/03 21:14:24	73444 NR12	5.5	19.25	5.57	14	0.6	36°14'31'' 50°10'10''	347	1.3 1.3	UCAC4 456-65963	13.68	17 <sup>h</sup> 21 <sup>m</sup> 34.791 <sup>s</sup> 1°00'58.582''	28.6	128	137.3	-24.3	22.0	7.1	85.9	167	
2018/05/04 01:36:21	5390 Huichim-ing	6.6	16.47	3.30	230	1.0	34°09'24'' 51°37'05''	319	0.0 3.8	UCAC4 414-69291	13.23	17 <sup>h</sup> 28 <sup>m</sup> 34.423 <sup>s</sup> −7°19'29.012''	30.2	203	138.8	-5.1	14.7	19.0	84.6	69	
2018/05/04 18:49:30	13205 GB19	5.2	16.42	4.44	92	0.9	37°14'18'' 50°36'17''	48	1.2 3.2	UCAC4 368-77255	12.00	16 <sup>h</sup> 26 <sup>m</sup> 31.054 <sup>s</sup> −16°28'38.817''	2.3	119	155.9	-15.2	30.4	-20.2	79.5	64	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 2		LinOccult 2.3.0				
Asteroid			Nearest point				Star				Sun		Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2018/05/04 19:32:45	16134 XE100	8.7	18.51	5.01	83	1.3	35°07'25'' 49°59'12''	265	2.0	UCAC4 546-50168	13.51	10 <sup>h</sup> 43 <sup>m</sup> 49.955 <sup>s</sup> 19°02'38.997''	50.5	230	110.8	-19.2	122.1	-13.6	79.1	148
2018/05/04 22:11:30	181 Eucharis	106.0	13.80	0.85	33	14.3	36°33'44'' 50°17'03''	37	26.8	UCAC4 439-75353	13.61	18 <sup>h</sup> 11 <sup>m</sup> 10.297 <sup>s</sup> -2°23'43.465''	27.1	133	127.9	-23.4	19.6	7.5	78.4	151
2018/05/04 23:33:32	27828 AY2	6.0	19.14	6.13	6	0.7	36°21'07'' 50°01'02''	126	1.7	UCAC4 344-192464	13.02	20 <sup>h</sup> 13 <sup>m</sup> 12.036 <sup>s</sup> -21°23'44.639''	5.7	134	103.5	-18.7	20.7	15.1	77.9	141
2018/05/05 16:54:51	16898 DJ10	6.6	18.12	5.39	236	0.8	34°52'30'' 48°08'13''	205	0.3	UCAC4 418-56364	12.74	12 <sup>h</sup> 44 <sup>m</sup> 08.435 <sup>s</sup> -6°31'33.412''	24.9	138	147.8	-0.5	96.3	-44.9	72.0	118
2018/05/05 17:07:18	331 Etheridgea	74.9	14.79	2.51	97	8.5	35°50'16'' 49°13'20''	199	17.4	UCAC4 435-56595	12.40	12 <sup>h</sup> 33 <sup>m</sup> 32.099 <sup>s</sup> -3°11'27.966''	30.3	143	144.1	-2.2	100.1	-43.1	71.9	127
2018/05/05 17:17:25	1304 Arosa	41.9	15.58	3.23	98	1.3	37°12'21'' 50°42'26''	42	7.5	UCAC4 602-33753	12.40	6 <sup>h</sup> 32 <sup>m</sup> 34.957 <sup>s</sup> 30°13'43.006''	41.0	270	52.5	-3.6	165.1	-41.7	71.8	197
2018/05/05 17:20:24	460 Scania	21.8	16.49	3.32	260	0.7	34°41'36'' 47°57'43''	206	1.6	UCAC4 545-33637	13.22	6 <sup>h</sup> 46 <sup>m</sup> 48.434 <sup>s</sup> 18°58'49.594''	34.8	258	56.3	-4.1	171.6	-41.2	71.8	174
2018/05/05 17:49:47	6862 Virgiliomarcon	18.2	17.42	4.40	158	0.6	34°52'09'' 48°58'11''	220	2.2	UCAC4 618-38423	13.04	6 <sup>h</sup> 48 <sup>m</sup> 59.170 <sup>s</sup> 33°27'23.250''	40.5	276	56.1	-8.0	164.8	-36.8	71.6	279
2018/05/05 19:35:54	1285 Julietta	40.8	16.72	6.54	18	1.3	36°14'19'' 50°12'16''	349	8.6	UCAC4 571-37061	10.18	7 <sup>h</sup> 02 <sup>m</sup> 25.331 <sup>s</sup> 24°08'01.513''	19.3	285	59.2	-19.1	173.1	-20.3	71.0	188
2018/05/05 20:23:42	3077 Henderson	9.5	15.44	2.22	184	0.9	38°07'27'' 51°12'52''	45	0.3	UCAC4 353-72327	13.37	14 <sup>h</sup> 58 <sup>m</sup> 48.267 <sup>s</sup> -19°29'27.313''	18.6	161	176.2	-22.2	62.9	-13.0	70.7	77
2018/05/05 21:40:30	248048 HD70	11.0	20.27	6.75	242	0.6	34°30'16'' 48°12'50''	212	0.9	UCAC4 489-73204	13.52	18 <sup>h</sup> 02 <sup>m</sup> 07.427 <sup>s</sup> 7°40'50.876''	33.4	122	126.8	-23.7	35.4	-1.9	70.3	408
2018/05/05 22:46:15	5911 WO7	5.2	16.28	2.53	78	0.7	36°06'32'' 49°21'14''	189	1.6	UCAC4 387-66051	13.86	15 <sup>h</sup> 29 <sup>m</sup> 51.087 <sup>s</sup> -12°38'48.598''	26.9	190	169.8	-21.7	58.6	6.4	69.9	66
2018/05/05 23:13:40	4403 Kumi-haru	6.0	17.80	4.68	177	0.7	34°46'47'' 48°47'26''	218	0.4	UCAC4 330-198010	13.13	20 <sup>h</sup> 00 <sup>m</sup> 33.254 <sup>s</sup> -24°02'24.696''	3.0	134	107.8	-20.0	7.2	9.4	69.7	91
2018/05/06 01:16:49	10047 QK2	6.0	17.62	4.69	128	1.2	34°41'10'' 50°34'22''	297	1.0	UCAC4 424-100735	12.94	19 <sup>h</sup> 00 <sup>m</sup> 13.112 <sup>s</sup> -5°23'22.172''	34.5	173	118.1	-7.2	17.3	18.8	69.0	89
2018/05/06 18:25:07	5371 VG1	11.0	18.13	4.96	138	2.2	34°22'44'' 50°14'51''	279	1.9	UCAC4 419-52993	13.18	11 <sup>h</sup> 00 <sup>m</sup> 23.841 <sup>s</sup> -6°14'16.158''	32.9	194	122.1	-12.0	131.7	-37.8	62.7	155
2018/05/06 23:34:12	724 Hapag	5.8	18.76	4.80	36	0.9	36°43'47'' 50°11'33''	63	1.9	UCAC4 405-103375	13.97	19 <sup>h</sup> 00 <sup>m</sup> 40.117 <sup>s</sup> -9°05'33.112''	25.3	146	119.8	-18.1	22.5	7.6	60.7	117
2018/05/06 23:38:51	35918 JL99	6.0	18.51	5.43	10	1.3	36°22'47'' 50°07'04''	40	1.9	UCAC4 356-178265	13.09	19 <sup>h</sup> 08 <sup>m</sup> 21.031 <sup>s</sup> -18°49'55.225''	15.9	149	119.9	-17.7	18.3	8.2	60.4	124
2018/05/07 00:01:26	7792 WZ3	8.7	16.39	2.54	140	1.5	38°01'13'' 50°38'20''	62	0.9	UCAC4 320-214559	13.96	19 <sup>h</sup> 18 <sup>m</sup> 10.229 <sup>s</sup> -26°05'06.525''	10.0	155	118.6	-15.6	17.4	10.7	60.3	80
2018/05/07 01:50:02	483 Seppina	69.6	14.13	1.38	198	7.2	38°51'24'' 49°25'26''	111	7.9	UCAC4 450-116751	13.11	19 <sup>h</sup> 43 <sup>m</sup> 52.103 <sup>s</sup> 0° - 2'23.112''	39.7	171	107.0	-2.4	21.7	19.5	59.8	151
2018/05/07 17:37:45	6359 Dubinin	17.4	16.62	3.30	244	3.1	39°41'42'' 50°16'48''	84	1.6	UCAC4 541-51114	13.37	11 <sup>h</sup> 27 <sup>m</sup> 09.751 <sup>s</sup> 18°11'08.289''	58.1	170	117.5	-5.9	145.6	-49.1	53.5	183

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 3		LinOccult 2.3.0			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2018/05/07 20:03:24	16954 KT48	6.3	19.40	5.47	68	0.5	37°11'14" 50°14'60"	71	1.5 1.6	UCAC4 585-44882	13.93	9 <sup>h</sup> 43 <sup>m</sup> 47.794 <sup>s</sup> 26°52'02.541"	41.4	264	92.2	-20.5	166.9	-28.3	52.6	158	
2018/05/07 20:04:00	40756 TQ8	5.5	18.36	7.02	44	0.6	36°48'09" 50°15'39"	57	1.4 1.5	UCAC4 376-79222	11.34	16 <sup>h</sup> 56 <sup>m</sup> 45.619 <sup>s</sup> -14°50'37.235"	11.1	130	151.4	-20.6	59.9	-28.2	52.6	145	
2018/05/07 20:18:15	2826 Ahti	36.7	15.43	1.82	105	2.8	36°49'48" 50°55'29"	22	8.1 11.2	UCAC4 321-78199	13.84	15 <sup>h</sup> 20 <sup>m</sup> 09.162 <sup>s</sup> -25°57'05.209"	11.3	159	169.5	-21.4	79.9	-26.0	52.5	130	
2018/05/07 22:36:43	16556 VQ1	6.3	17.41	3.70	153	2.4	38°20'28" 50°26'54"	73	0.6 3.0	UCAC4 329-132215	13.74	18 <sup>h</sup> 17 <sup>m</sup> 34.922 <sup>s</sup> -24°12'59.243"	10.2	150	133.1	-21.6	41.7	-4.6	51.4	84	
2018/05/08 01:52:33	46254 HB36	5.0	19.37	6.20	166	0.7	33°57'49" 50°01'09"	269	0.7 1.3	UCAC4 393-109574	13.17	19 <sup>h</sup> 06 <sup>m</sup> 35.851 <sup>s</sup> -11°28'03.310"	28.6	184	119.9	-1.8	32.3	18.9	50.3	149	
2018/05/08 20:06:46	1808 Bellerophon	15.4	17.03	3.10	244	1.7	39°05'47" 48°49'52"	124	0.7 5.0	UCAC4 323-108651	13.99	17 <sup>h</sup> 19 <sup>m</sup> 11.360 <sup>s</sup> -25°29'24.278"	0.1	132	147.0	-20.5	65.3	-32.7	43.0	123	
2018/05/08 20:14:18	0 2010 PW45	6.3	18.48	5.30	140	0.6	34°33'15" 49°28'12"	243	1.0 2.2	UCAC4 335-92388	13.19	17 <sup>h</sup> 04 <sup>m</sup> 32.239 <sup>s</sup> -23°11'12.606"	4.7	135	150.6	-20.9	68.9	-31.5	43.0	112	
2018/05/08 21:53:05	252 Clementina	69.3	14.43	5.63	40	5.4	35°51'50" 49°48'43"	229	39.8 53.8	UCAC4 390-65939	8.81	15 <sup>h</sup> 52 <sup>m</sup> 15.221 <sup>s</sup> -12°02'58.096"	27.8	172	166.9	-22.8	88.8	-16.1	42.3	47	
2018/05/08 23:22:52	28973 KN42	5.8	17.59	4.59	121	0.6	34°53'08" 49°27'07"	236	1.1 2.2	UCAC4 365-76828	13.02	16 <sup>h</sup> 36 <sup>m</sup> 31.351 <sup>s</sup> -17°04'06.845"	22.9	185	157.5	-18.5	78.0	-2.2	41.7	103	
2018/05/08 23:59:36	2836 Sobolev	17.4	16.19	2.50	25	3.9	36°24'30" 49°50'22"	159	4.7 4.8	UCAC4 276-204040	13.81	19 <sup>h</sup> 15 <sup>m</sup> 48.118 <sup>s</sup> -34°57'24.031"	2.0	159	121.4	-15.3	43.5	3.1	41.3	145	
2018/05/09 00:19:05	6084 Bascom	9.1	17.46	3.55	88	1.4	35°10'02" 49°43'12"	246	2.4 3.4	UCAC4 477-84206	13.95	18 <sup>h</sup> 39 <sup>m</sup> 04.891 <sup>s</sup> 5°23'47.509"	44.4	163	121.9	-13.3	54.3	5.9	41.3	107	
2018/05/09 17:38:56	38616 AS145	6.6	18.74	8.11	151	0.8	36°16'57" 51°24'17"	360	1.1 1.9	UCAC4 466-48081	10.63	12 <sup>h</sup> 45 <sup>m</sup> 02.750 <sup>s</sup> 3°10'59.579"	39.5	150	139.7	-5.7	147.7	-50.6	34.4	140	
2018/05/09 17:54:07	1037 David- weilla	6.6	16.85	4.10	191	0.6	37°30'22" 48°31'23"	153	0.2 3.2	UCAC4 376-75056	12.78	16 <sup>h</sup> 05 <sup>m</sup> 46.441 <sup>s</sup> -14°57'01.315"	1.4	115	165.3	-7.6	95.0	-49.8	34.4	82	
2018/05/09 20:28:40	8946 Yoshim- itsu	8.7	17.66	4.83	19	1.0	36°33'11" 50°01'54"	95	2.9 2.9	UNKNOWN UN- KNOWN	12.85	17 <sup>h</sup> 16 <sup>m</sup> 39.471 <sup>s</sup> -20°15'57.904"	7.9	135	149.0	-21.3	78.8	-33.3	33.4	118	
2018/05/09 20:30:04	1114 Lorraine	62.2	14.79	2.12	118	4.6	37°24'11" 50°50'11"	42	12.6 19.3	UCAC4 411-58098	12.83	14 <sup>h</sup> 34 <sup>m</sup> 02.948 <sup>s</sup> -7°53'32.332"	31.9	172	167.7	-21.4	119.9	-33.1	33.3	127	
2018/05/09 21:05:05	396650 EE51	6.9	21.19	8.55	85	0.8	36°47'48" 50°44'29"	25	0.7 0.8	UCAC4 355-129968	12.64	18 <sup>h</sup> 15 <sup>m</sup> 42.830 <sup>s</sup> -19°11'41.112"	6.2	130	135.1	-22.5	65.4	-28.0	33.1	360	
2018/05/09 21:53:47	10112 OP1	11.0	17.31	4.34	206	1.6	38°20'04" 51°22'15"	45	0.9 3.5	UCAC4 376-133158	12.99	18 <sup>h</sup> 38 <sup>m</sup> 05.053 <sup>s</sup> -14°50'30.034"	13.1	133	129.2	-22.5	60.7	-20.5	32.8	124	
2018/05/10 00:32:03	15336 UC3	5.0	19.18	6.11	113	1.1	36°36'50" 49°03'05"	168	1.1 1.6	UCAC4 327-140749	13.07	18 <sup>h</sup> 22 <sup>m</sup> 06.973 <sup>s</sup> -24°40'30.367"	15.3	177	134.0	-11.6	65.6	4.2	31.7	127	
2018/05/10 00:57:58	68940 PB116	6.3	18.51	4.57	48	0.8	36°55'03" 50°11'41"	70	1.7 1.7	UCAC4 359-101513	13.96	17 <sup>h</sup> 34 <sup>m</sup> 46.219 <sup>s</sup> -18°22'52.238"	20.4	195	144.8	-8.6	77.1	8.0	31.6	144	
2018/05/10 17:48:15	313 Chaldaea	96.3	11.95	1.61	266	9.4	35°13'48" 47°45'33"	197	0.1 49.9	UCAC4 440-59991	10.63	15 <sup>h</sup> 27 <sup>m</sup> 11.784 <sup>s</sup> -2°00'02.594"	17.2	115	163.7	-6.7	119.4	-47.2	25.3	72	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 4		LinOccult 2.3.0			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2018/05/10 22:06:17	13027 Geer-aerts	6.0	17.28	4.77	21	0.8	36°03'34'' 49°55'57''	232	2.1	UCAC4 341-87033	12.52	17 <sup>h</sup> 01 <sup>m</sup> 38.214 <sup>s</sup> -21°48'37.725''	16.3	162	153.4	-21.9	95.5	-22.3	23.7	111	
2018/05/10 22:38:01	47878 2000 FK25	5.0	19.23	5.44	162	0.8	37°59'58'' 51°00'44''	49	0.7	UCAC4 391-87130	13.80	18 <sup>h</sup> 16 <sup>m</sup> 54.767 <sup>s</sup> -11°55'13.036''	22.9	148	134.6	-20.8	78.9	-17.4	23.5	145	
2018/05/11 01:22:13	76402 2000 FZ12	6.0	17.65	4.10	167	0.8	38°32'15'' 49°39'25''	105	0.6	UCAC4 294-142066	13.57	17 <sup>h</sup> 58 <sup>m</sup> 42.622 <sup>s</sup> -31°13'23.861''	7.6	194	139.7	-5.3	83.7	8.2	22.4	102	
2018/05/11 19:02:29	67083 2000 AW34	6.3	18.66	5.11	148	0.6	37°14'44'' 51°13'54''	27	1.0	UCAC4 412-55208	13.56	13 <sup>h</sup> 28 <sup>m</sup> 17.717 <sup>s</sup> -7°36'14.175''	31.8	168	152.4	-14.8	159.8	-42.3	16.4	135	
2018/05/11 20:38:37	186138 2001 TK206	7.6	21.03	9.73	180	0.5	37°12'47'' 51°33'06''	22	0.8	UCAC4 507-48516	11.31	9 <sup>h</sup> 17 <sup>m</sup> 57.022 <sup>s</sup> 11°19'36.001''	17.6	267	87.5	-21.2	133.6	-35.9	15.9	342	
2018/05/11 21:11:38	49349 1998 WW6	5.0	18.00	5.45	164	0.7	35°29'56'' 48°40'14''	200	0.5	UCAC4 364-161470	12.56	19 <sup>h</sup> 06 <sup>m</sup> 09.363 <sup>s</sup> -17°14'02.559''	3.1	122	124.9	-22.0	78.9	-32.3	15.8	94	
2018/05/11 22:02:33	19684 1999 RL196	8.7	17.37	3.51	38	0.8	35°49'35'' 49°52'59''	241	2.7	UCAC4 330-70262	13.90	13 <sup>h</sup> 47 <sup>m</sup> 46.324 <sup>s</sup> -24°03'43.695''	11.5	207	159.0	-21.8	147.0	-25.8	15.5	124	
2018/05/11 23:28:09	74351 1998 VT54	6.3	17.16	6.50	131	1.1	34°34'29'' 49°38'49''	250	1.0	UCAC4 288-131032	10.66	17 <sup>h</sup> 29 <sup>m</sup> 19.257 <sup>s</sup> -32°24'29.617''	7.6	176	146.4	-17.3	101.2	-13.3	15.1	88	
2018/05/11 23:41:36	4395 Danbritt	9.1	16.90	4.94	76	0.9	37°08'03'' 50°27'36''	53	2.5	UCAC4 403-66479	11.97	16 <sup>h</sup> 29 <sup>m</sup> 46.989 <sup>s</sup> -9°30'24.628''	29.4	196	159.8	-16.2	118.7	-11.2	15.0	116	
2018/05/12 00:48:25	24405 2000 AT197	6.0	18.70	6.32	219	0.6	34°07'59'' 48°39'46''	225	0.5	UCAC4 398-69515	12.38	17 <sup>h</sup> 18 <sup>m</sup> 53.293 <sup>s</sup> -10°33'00.247''	27.4	200	149.0	-9.3	107.2	-0.6	14.6	138	
2018/05/12 00:57:32	264089 2009 SJ256	6.6	21.20	8.05	21	0.8	35°59'55'' 50°03'15''	272	0.7	UCAC4 291-194951	13.15	18 <sup>h</sup> 36 <sup>m</sup> 00.964 <sup>s</sup> -31°49'42.883''	8.2	181	132.7	-8.2	88.1	0.8	14.5	391	
2018/05/12 01:00:27	8029 Milt-thompson	10.0	18.02	4.43	69	1.0	36°57'48'' 49°36'38''	135	2.4	UCAC4 300-132892	13.61	17 <sup>h</sup> 30 <sup>m</sup> 40.065 <sup>s</sup> -30°01'21.530''	8.4	196	146.8	-7.8	102.2	1.3	14.5	146	
2018/05/12 21:27:18	5603 Rausundake	24.0	17.02	4.10	197	11.2	34°57'18'' 48°30'15''	209	2.9	UCAC4 368-174736	12.94	19 <sup>h</sup> 31 <sup>m</sup> 18.881 <sup>s</sup> -16°35'10.514''	2.9	120	119.8	-21.9	86.0	-31.3	8.9	175	
2018/05/13 01:28:21	24754 Zellyfry	5.0	17.89	4.75	81	0.6	37°12'21'' 49°37'12''	126	1.5	UCAC4 328-103977	13.16	17 <sup>h</sup> 22 <sup>m</sup> 02.037 <sup>s</sup> -24°31'53.644''	11.3	206	150.6	-4.1	118.6	1.8	7.7	90	
2018/05/13 01:47:45	12817 Federica	6.3	18.30	5.27	115	0.8	36°00'14'' 49°01'57''	190	1.3	UCAC4 353-103921	13.04	17 <sup>h</sup> 37 <sup>m</sup> 05.614 <sup>s</sup> -19°35'00.118''	15.7	209	147.2	-1.4	115.9	4.9	7.6	129	
2018/05/13 01:55:05	24625 1980 PC3	5.8	17.65	6.71	238	0.7	39°36'11'' 49°53'55''	94	0.1	UCAC4 296-219470	10.95	19 <sup>h</sup> 09 <sup>m</sup> 00.016 <sup>s</sup> -30°49'43.652''	8.9	187	126.7	-0.4	94.8	6.1	7.6	90	
2018/05/13 21:14:56	9317 1988 RO4	8.3	18.01	4.76	90	0.7	35°37'22'' 49°21'46''	212	2.0	UCAC4 417-65854	13.27	16 <sup>h</sup> 46 <sup>m</sup> 31.975 <sup>s</sup> -6°45'29.682''	29.3	151	156.3	-21.6	139.7	-31.3	3.6	136	
2018/05/13 22:03:30	3893 DeLaeter	7.9	15.66	3.45	172	0.7	34°09'15'' 49°20'59''	243	0.2	UCAC4 495-66269	12.26	16 <sup>h</sup> 35 <sup>m</sup> 29.134 <sup>s</sup> 8°56'25.304''	48.3	165	147.1	-21.3	139.3	-28.0	3.5	68	
2018/05/13 22:17:15	145478 2005 TC86	5.5	20.96	7.44	131	0.6	35°02'46'' 49°11'25''	223	0.7	UCAC4 359-159110	13.52	18 <sup>h</sup> 38 <sup>m</sup> 21.227 <sup>s</sup> -18°21'11.523''	14.2	144	133.5	-20.9	113.2	-26.8	3.5	280	
2018/05/13 22:27:03	4741 Leskov	11.0	17.21	3.61	102	1.3	35°49'32'' 49°11'09''	199	2.5	UCAC4 334-98026	13.64	17 <sup>h</sup> 17 <sup>m</sup> 27.307 <sup>s</sup> -23°21'38.200''	15.6	166	152.6	-20.5	131.7	-25.9	3.4	124	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 5		LinOccult 2.3.0				
Asteroid			Nearest point			Star				Sun		Moon								
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2018/05/13 23:00:03	10504 Doga	7.6	17.67	3.83	67	0.8	35°58'09" 50°36'58"	340	2.2	UCAC4 325-99752	13.87	17 <sup>h</sup> 07 <sup>m</sup> 19.640 <sup>s</sup> -25°02'33.921"	14.9	176	154.7	-18.8	133.9	-22.4	3.3	113
2018/05/13 23:05:28	392198 ST245	6.6	21.25	7.41	51	0.8	35°45'36" 49°44'13"	227	0.8	UCAC4 414-94263	13.84	18 <sup>h</sup> 48 <sup>m</sup> 19.095 <sup>s</sup> -7°18'53.699"	27.9	149	128.7	-18.5	110.6	-21.8	3.3	328
2018/05/13 23:46:08	3712 Kraft	15.8	17.14	4.25	238	3.1	39°15'18" 51°03'34"	62	1.1	UCAC4 306-275075	12.91	19 <sup>h</sup> 47 <sup>m</sup> 30.711 <sup>s</sup> -28°55'26.966"	6.1	152	119.1	-15.3	98.5	-16.8	3.2	144
2018/05/14 00:24:03	44496 XM5	7.6	19.10	6.43	161	0.7	37°25'08" 48°48'27"	150	1.1	UCAC4 412-129735	12.67	20 <sup>h</sup> 57 <sup>m</sup> 57.102 <sup>s</sup> -7°39'29.276"	22.6	136	98.1	-11.6	79.6	-11.7	3.1	162
2018/05/14 00:39:12	6249 Jennifer	8.3	16.12	3.16	142	0.5	34°19'12" 49°53'03"	263	0.5	UCAC4 487-90776	13.02	18 <sup>h</sup> 53 <sup>m</sup> 32.114 <sup>s</sup> 7°14'42.439"	47.2	172	121.9	-9.9	108.1	-9.5	3.1	66
2018/05/14 01:40:04	1097 Vicia	21.1	14.94	1.53	138	5.9	35°12'58" 51°05'10"	327	1.6	UCAC4 346-163807	13.72	18 <sup>h</sup> 48 <sup>m</sup> 40.500 <sup>s</sup> -20°53'27.319"	18.5	191	131.6	-2.3	112.7	-0.4	2.9	67
2018/05/14 17:14:00	529 Preziosa	32.0	15.92	3.38	93	0.8	35°19'58" 49°28'56"	227	5.3	UCAC4 599-32902	12.59	6 <sup>h</sup> 29 <sup>m</sup> 11.944 <sup>s</sup> 29°40'15.239"	34.9	276	43.2	-1.3	54.3	-12.4	1.0	219
2018/05/14 18:20:14	265 Anna	23.7	17.53	4.59	243	0.6	33°07'24" 49°17'53"	250	2.1	UCAC4 652-34619	12.96	5 <sup>h</sup> 42 <sup>m</sup> 44.561 <sup>s</sup> 40°20'34.082"	25.3	303	36.6	-9.7	47.6	-20.0	0.9	183
2018/05/14 20:50:06	55625 TF196	5.0	18.25	6.15	194	0.7	37°58'10" 51°25'52"	38	0.3	UCAC4 388-98966	12.11	18 <sup>h</sup> 31 <sup>m</sup> 00.539 <sup>s</sup> -12°31'38.047"	10.5	124	135.0	-20.9	127.8	-28.4	0.7	105
2018/05/14 22:36:01	15258 Alfil- ipenko	7.9	17.79	3.90	93	1.6	37°08'03" 50°41'12"	40	1.9	UCAC4 306-184341	13.92	18 <sup>h</sup> 05 <sup>m</sup> 29.772 <sup>s</sup> -28°52'15.935"	8.5	159	142.3	-19.9	134.0	-25.1	0.6	123
2018/05/14 22:46:00	4944 Ko- zlovskij	7.2	17.74	3.91	237	1.7	38°36'06" 51°35'42"	44	0.2	UCAC4 323-162696	13.86	18 <sup>h</sup> 20 <sup>m</sup> 44.428 <sup>s</sup> -25°24'38.713"	11.5	157	139.1	-19.4	131.3	-24.4	0.6	106
2018/05/14 23:17:31	51777 MG8	7.6	19.02	6.35	35	1.3	36°40'53" 50°14'22"	53	1.8	UCAC4 403-122892	12.68	19 <sup>h</sup> 42 <sup>m</sup> 11.978 <sup>s</sup> -9°29'46.364"	22.3	140	117.5	-17.4	111.5	-21.8	0.6	161
2018/05/14 23:56:18	133045 BH73	5.2	19.19	5.30	220	1.3	37°34'31" 48°15'24"	155	0.5	UCAC4 423-93605	13.90	18 <sup>h</sup> 45 <sup>m</sup> 33.823 <sup>s</sup> -5°30'24.050"	33.4	164	129.7	-14.2	125.2	-17.9	0.5	167
2018/05/15 01:14:52	46102 FR9	5.2	19.17	5.65	168	1.4	33°58'23" 49°49'08"	261	0.7	UCAC4 356-183136	13.53	19 <sup>h</sup> 19 <sup>m</sup> 25.949 <sup>s</sup> -18°56'45.899"	21.1	178	125.1	-5.4	119.1	-8.2	0.5	142
2018/05/15 01:31:10	4794 Bogard	6.0	16.76	4.59	245	1.0	38°07'30" 51°54'56"	32	0.0	UCAC4 379-86790	12.19	17 <sup>h</sup> 37 <sup>m</sup> 06.701 <sup>s</sup> -14°15'30.318"	21.4	209	148.4	-3.3	143.8	-6.0	0.4	73
2018/05/15 01:41:04	1147 Stavropo- lis	17.4	13.56	0.62	87	5.7	35°12'06" 50°24'48"	298	3.2	UCAC4 328-169610	13.84	18 <sup>h</sup> 38 <sup>m</sup> 37.136 <sup>s</sup> -24°28'22.385"	14.5	194	135.1	-1.9	128.9	-4.6	0.5	51
2018/05/15 19:07:48	1203 Nanna	35.2	16.79	5.14	120	2.9	35°22'33" 50°57'11"	327	7.0	UCAC4 355-88267	11.66	17 <sup>h</sup> 11 <sup>m</sup> 25.086 <sup>s</sup> -19°10'24.358"	2.4	124	155.9	-14.4	160.2	-15.6	0.3	138
2018/05/15 21:01:25	89841 CM41	11.0	20.01	8.29	153	1.2	35°37'17" 48°44'38"	198	1.3	UCAC4 416-110017	11.72	18 <sup>h</sup> 55 <sup>m</sup> 50.589 <sup>s</sup> -6°54'07.786"	13.9	119	128.5	-20.9	134.8	-23.5	0.4	302
2018/05/15 21:39:04	47056 XP7	5.5	18.89	6.32	230	0.8	38°29'53" 51°33'59"	43	0.4	UCAC4 382-122076	12.57	18 <sup>h</sup> 45 <sup>m</sup> 21.918 <sup>s</sup> -13°40'02.283"	14.4	133	132.9	-21.2	139.1	-24.4	0.4	141
2018/05/15 23:30:16	13980 Neuhauser	6.3	16.77	2.90	246	1.0	33°08'59" 49°10'52"	247	0.0	UCAC4 387-85627	13.95	17 <sup>h</sup> 51 <sup>m</sup> 25.191 <sup>s</sup> -12°38'03.104"	27.3	174	145.4	-16.2	153.0	-21.4	0.5	78

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		LinOccult 2.3.0			
Asteroid			Nearest point				Star				Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2018/05/16 00:31:19	25327 1999 JB63	5.5	16.56	2.86	221	0.6	33°49'50" 51°16'30"	308	0.0	UCAC4 345-85757	13.78	16 <sup>h</sup> 53 <sup>m</sup> 39.568 <sup>s</sup> -21°03'38.946"	15.8	204	160.3	-10.4	167.2	-16.5	0.6	71
2018/05/16 18:36:39	777 Gutem-berga	65.6	15.75	2.75	210	2.1	37°45'50" 51°41'26"	30	7.3	UCAC4 533-42512	13.09	7 <sup>h</sup> 35 <sup>m</sup> 32.480 <sup>s</sup> 16°28'29.974"	21.5	270	57.5	-11.1	39.7	-2.6	2.4	178
2018/05/16 22:07:44	4833 Meges	85.7	16.42	2.89	184	7.8	38°19'09" 49°02'38"	128	9.6	UNKNOWN UN-KNOWN	13.60	18 <sup>h</sup> 42 <sup>m</sup> 55.451 <sup>s</sup> -15°50'53.958"	16.2	142	134.9	-20.5	154.8	-20.8	3.0	289
2018/05/16 23:27:44	27550 2000 JC24	6.3	18.34	4.61	103	0.8	35°13'07" 49°25'46"	228	1.5	UCAC4 342-128195	13.74	18 <sup>h</sup> 17 <sup>m</sup> 31.812 <sup>s</sup> -21°36'29.671"	17.7	169	141.7	-16.2	161.8	-21.1	3.2	118
2018/05/17 00:02:14	3936 Elst	8.3	16.31	3.86	93	2.4	37°34'56" 50°06'27"	86	2.0	UCAC4 357-176568	12.48	19 <sup>h</sup> 09 <sup>m</sup> 16.276 <sup>s</sup> -18°47'00.170"	19.9	164	129.3	-13.2	149.9	-19.9	3.3	73
2018/05/17 01:18:46	19015 2000 RX77	6.9	18.10	4.33	242	0.6	33°33'08" 51°21'26"	307	0.3	UCAC4 414-136247	13.79	20 <sup>h</sup> 38 <sup>m</sup> 37.003 <sup>s</sup> -7°12'23.669"	30.6	158	105.4	-4.5	127.1	-14.9	3.5	119
2018/05/17 17:16:33	8018 1990 SW	6.3	15.99	2.23	61	0.7	36°37'40" 49°32'36"	157	2.4	UCAC4 391-66757	13.90	16 <sup>h</sup> 06 <sup>m</sup> 17.593 <sup>s</sup> -11°50'10.273"	2.9	112	169.7	-1.1	154.6	19.0	7.0	70
2018/05/18 22:08:53	61674 2000 QX121	5.2	18.75	4.90	70	0.7	36°56'51" 50°30'32"	43	1.5	UCAC4 322-159821	13.86	18 <sup>h</sup> 19 <sup>m</sup> 27.268 <sup>s</sup> -25°46'54.951"	9.8	153	143.2	-20.0	168.9	-10.9	15.9	123
2018/05/19 01:20:52	4288 Toky-otech	15.8	15.70	2.00	121	1.4	34°38'15" 49°47'44"	257	3.0	UCAC4 285-122253	13.89	17 <sup>h</sup> 12 <sup>m</sup> 38.443 <sup>s</sup> -33°03'20.348"	1.4	209	155.8	-3.9	150.9	-19.4	17.2	100
2018/05/19 18:10:19	4936 Butakov	6.6	16.90	4.22	248	0.6	34°55'29" 48°00'07"	203	0.0	UCAC4 412-58981	12.70	15 <sup>h</sup> 08 <sup>m</sup> 16.046 <sup>s</sup> -7°46'07.635"	22.3	136	165.1	-7.5	110.0	29.3	23.8	86
2018/05/19 21:04:02	7715 Leonidariosino	7.9	16.91	4.49	143	1.0	37°00'55" 51°14'32"	21	1.1	UCAC4 452-66243	12.44	17 <sup>h</sup> 30 <sup>m</sup> 40.211 <sup>s</sup> 0°18'54.376"	33.1	140	147.3	-20.1	138.0	3.2	25.0	95
2018/05/19 21:25:12	45738 2000 HY19	7.6	18.97	5.68	118	1.0	35°26'35" 49°08'38"	211	1.5	UCAC4 423-111705	13.29	19 <sup>h</sup> 06 <sup>m</sup> 29.505 <sup>s</sup> -5°26'40.849"	19.0	124	129.1	-20.3	160.4	0.3	25.1	156
2018/05/19 21:45:45	97163 1999 VO186	5.8	18.26	5.06	53	0.8	35°32'56" 50°01'39"	268	1.7	UCAC4 310-215243	13.21	18 <sup>h</sup> 25 <sup>m</sup> 36.018 <sup>s</sup> -28°07'39.809"	5.6	148	142.7	-20.2	156.1	-2.4	25.3	124
2018/05/19 23:17:22	123562 2000 XU34	5.0	17.39	4.20	164	0.6	38°25'25" 49°31'34"	111	0.6	UCAC4 295-129186	13.21	17 <sup>h</sup> 20 <sup>m</sup> 54.114 <sup>s</sup> -31°06'39.397"	8.9	183	155.8	-16.4	140.8	-12.7	26.0	110
2018/05/20 01:06:17	11857 1988 RK9	9.1	17.08	3.34	13	0.8	36°19'58" 49°56'09"	165	3.1	UCAC4 464-53545	13.79	15 <sup>h</sup> 41 <sup>m</sup> 10.571 <sup>s</sup> 2°40'25.648"	23.8	244	157.4	-5.5	110.0	-19.9	26.8	116
2018/05/20 01:10:52	10388 Zhuguangya	12.6	17.37	4.47	62	1.3	36°56'44" 50°24'46"	49	3.2	UCAC4 285-217379	12.91	20 <sup>h</sup> 36 <sup>m</sup> 04.797 <sup>s</sup> -33°05'49.307"	5.5	165	115.0	-5.0	165.2	-20.1	26.8	141
2018/05/20 01:44:34	76402 2000 FZ12	6.0	17.45	3.99	85	0.6	36°14'06" 49°16'50"	182	1.7	UCAC4 288-140595	13.48	17 <sup>h</sup> 53 <sup>m</sup> 45.499 <sup>s</sup> -32°31'06.503"	2.9	206	148.9	-0.6	146.0	-20.8	27.1	98
2018/05/20 18:25:13	12687 de Val-ory	7.9	17.46	3.63	161	0.8	35°59'21" 48°37'03"	188	1.0	UCAC4 427-69371	13.87	17 <sup>h</sup> 37 <sup>m</sup> 32.465 <sup>s</sup> -4°40'53.548"	6.9	106	149.5	-9.0	130.1	34.4	34.4	112
2018/05/20 21:22:21	20727 1999 XV123	6.3	17.94	4.44	89	0.6	37°17'09" 50°32'07"	53	1.6	UCAC4 293-119276	13.51	17 <sup>h</sup> 05 <sup>m</sup> 07.761 <sup>s</sup> -31°34'07.359"	6.4	162	159.4	-20.1	124.9	7.1	35.8	120
2018/05/21 00:10:35	7204 On-drejov	6.0	18.33	6.19	160	1.0	37°19'14" 51°19'43"	27	0.8	UCAC4 369-135645	12.15	18 <sup>h</sup> 33 <sup>m</sup> 58.020 <sup>s</sup> -16°19'12.020"	23.8	179	141.0	-11.6	142.9	-14.5	37.1	113

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 7		LinOccult 2.3.0			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2018/05/21 18:09:09	1087 Arabis	31.8	15.58	2.30	257	0.9	39°06'52'' 51°30'15''	51	2.5	UCAC4 600-42940	13.42	7 <sup>h</sup> 41 <sup>m</sup> 48.812 <sup>s</sup> 29°58'40.372''	33.4	278	52.2	-7.0	33.7	42.1	45.6	177	
2018/05/21 19:03:36	86113 1999 RC129	9.1	17.92	5.11	96	1.3	36°42'21'' 50°52'01''	18	2.1	UCAC4 421-54912	12.82	11 <sup>h</sup> 07 <sup>m</sup> 23.199 <sup>s</sup> -5°57'08.369''	26.6	219	109.5	-12.7	27.3	34.4	46.0	134	
2018/05/21 20:48:03	2517 Orma	47.5	16.98	5.90	128	6.4	37°21'13'' 50°58'31''	36	8.7	UCAC4 330-147098	11.09	18 <sup>h</sup> 21 <sup>m</sup> 56.477 <sup>s</sup> -24°09'31.860''	4.7	137	145.5	-19.3	128.3	18.3	46.8	154	
2018/05/22 00:35:55	27430 2000 FD12	5.0	17.21	4.59	8	0.7	36°11'59'' 50°05'58''	313	2.2	UCAC4 322-122674	12.64	17 <sup>h</sup> 55 <sup>m</sup> 36.759 <sup>s</sup> -25°36'07.995''	13.1	195	151.6	-8.8	120.0	-14.5	48.7	91	
2018/05/22 18:58:19	79796 1998 VX6	5.2	17.62	4.05	32	0.5	36°41'28'' 49°55'27''	115	2.0	UCAC4 422-56320	13.60	12 <sup>h</sup> 53 <sup>m</sup> 04.154 <sup>s</sup> -5°43'12.482''	34.0	190	133.0	-12.1	35.0	39.1	57.2	101	
2018/05/22 22:03:52	43815 1991 VD4	13.8	17.74	7.37	143	1.1	37°47'55'' 50°53'50''	49	2.3	UCAC4 374-135972	10.37	18 <sup>h</sup> 41 <sup>m</sup> 44.626 <sup>s</sup> -15°14'28.651''	18.8	147	140.7	-19.3	118.2	11.4	58.5	165	
2018/05/22 23:27:01	8141 Nikolaev	6.3	18.31	5.80	5	0.6	36°13'41'' 50°04'37''	308	2.2	UCAC4 284-140386	12.52	17 <sup>h</sup> 58 <sup>m</sup> 45.201 <sup>s</sup> -33°21'10.820''	6.7	179	150.2	-15.1	107.9	-1.5	59.2	116	
2018/05/23 00:29:22	3163 Randi	5.5	16.08	8.20	115	1.1	34°55'46'' 50°37'02''	303	0.0	UCAC4 367-162830	7.88	19 <sup>h</sup> 16 <sup>m</sup> 49.574 <sup>s</sup> -16°36'26.081''	23.3	175	132.9	-9.3	125.3	-10.6	59.6	26	
2018/05/23 01:23:29	227082 2005 LY49	6.9	20.74	7.07	118	0.8	35°04'40'' 49°19'51''	227	0.6	UCAC4 421-111729	13.67	19 <sup>h</sup> 04 <sup>m</sup> 01.262 <sup>s</sup> -5°54'37.230''	33.3	194	132.7	-2.9	120.9	-17.7	60.1	468	
2018/05/23 01:44:32	50768 Ian-wessen	5.0	18.41	5.66	131	1.1	34°27'33'' 49°56'48''	265	0.9	UCAC4 343-196446	12.75	19 <sup>h</sup> 55 <sup>m</sup> 02.681 <sup>s</sup> -21°35'21.521''	18.4	184	125.1	-0.1	133.0	-20.1	60.4	108	
2018/05/23 18:41:13	3915 Fukushima	20.4	15.78	2.43	235	2.7	35°29'03'' 48°00'06''	194	0.5	UCAC4 450-76257	13.48	18 <sup>h</sup> 06 <sup>m</sup> 21.654 <sup>s</sup> 0° - 5'20.553''	10.4	103	143.1	-10.2	96.7	42.2	67.6	100	
2018/05/23 18:50:49	7477 1993 LC	7.9	17.52	5.91	114	0.9	37°06'36'' 49°10'34''	149	1.7	UCAC4 423-56289	11.62	11 <sup>h</sup> 25 <sup>m</sup> 23.914 <sup>s</sup> -5°25'21.117''	29.3	214	111.6	-11.1	12.1	41.3	67.7	109	
2018/05/23 19:01:59	78154 2002 NY25	6.3	18.78	6.02	162	0.8	38°29'30'' 49°42'57''	103	0.9	UCAC4 279-66399	12.76	12 <sup>h</sup> 42 <sup>m</sup> 23.940 <sup>s</sup> -34°22'32.325''	4.9	190	134.3	-12.2	43.1	40.3	67.7	190	
2018/05/23 19:33:06	44215 1998 OX14	6.6	17.24	3.89	121	1.5	37°58'24'' 50°00'19''	92	1.3	UCAC4 325-68516	13.38	12 <sup>h</sup> 47 <sup>m</sup> 32.350 <sup>s</sup> -25°06'44.728''	13.1	198	135.4	-14.9	35.1	36.9	67.9	103	
2018/05/23 19:39:01	17162 1999 LX13	6.3	17.36	4.51	156	0.8	35°27'29'' 48°45'11''	202	0.6	UCAC4 383-100764	12.87	18 <sup>h</sup> 07 <sup>m</sup> 20.455 <sup>s</sup> -13°24'13.586''	8.1	122	149.1	-15.3	97.7	36.2	68.0	87	
2018/05/23 21:26:49	31323 Lysa hora	6.9	17.99	5.72	222	0.6	33°24'40'' 50°50'13''	293	0.4	UCAC4 287-125405	12.28	17 <sup>h</sup> 29 <sup>m</sup> 13.855 <sup>s</sup> -32°41'45.637''	4.9	161	157.0	-19.5	89.6	21.4	68.8	123	
2018/05/23 23:09:35	2534 Houzeau	31.2	17.06	5.05	172	4.2	36°40'06'' 51°34'23''	9	4.3	UCAC4 417-56149	12.02	13 <sup>h</sup> 10 <sup>m</sup> 37.546 <sup>s</sup> -6°44'32.301''	8.9	248	136.3	-16.1	23.6	5.4	69.6	150	
2018/05/24 17:38:41	22737 1998 SY139	9.5	16.87	3.57	71	0.8	37°03'44'' 50°26'41''	51	2.7	UCAC4 356-75198	13.34	15 <sup>h</sup> 42 <sup>m</sup> 49.459 <sup>s</sup> -18°55'29.336''	7.0	131	174.5	-2.7	52.2	41.7	76.8	120	
2018/05/24 18:34:25	28727 2000 GO113	5.0	18.14	4.36	181	0.5	38°44'17'' 49°39'17''	104	0.4	UCAC4 417-80302	13.80	18 <sup>h</sup> 32 <sup>m</sup> 42.974 <sup>s</sup> -6°46'59.584''	0.6	101	141.6	-9.3	91.0	40.9	77.1	104	
2018/05/24 21:13:22	14216 1999 VW1	6.3	17.73	4.52	48	0.6	36°49'21'' 50°18'11''	53	2.1	UCAC4 313-114702	13.22	17 <sup>h</sup> 24 <sup>m</sup> 54.168 <sup>s</sup> -27°32'48.742''	9.6	158	160.7	-19.2	75.0	26.2	78.2	106	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 8		LinOccult 2.3.0			
		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	Phase (%)	$\sigma_{km}$		
2018/05/25 00:49:06	67202 2000 CJ108	10.5	17.67	3.76	209	0.7	37°42'23" 51°41'35"	29	1.0 2.9	UCAC4 363-79384	13.94	16 <sup>h</sup> 49 <sup>m</sup> 17.959 <sup>s</sup> −17°24'53.780"	14.5	218	169.3	-6.8	63.2	-6.5	79.5	144
2018/05/25 17:35:06	17296 3541 P- L	9.1	19.59	5.99	111	0.8	35°34'17" 49°09'44"	207	1.5 1.8	UCAC4 475-46545	13.60	10 <sup>h</sup> 14 <sup>m</sup> 04.458 <sup>s</sup> 4°48'13.227"	38.4	219	89.5	-2.1	46.3	35.4	85.1	202
2018/05/25 19:17:03	3322 Lidiya	9.5	17.20	3.74	140	0.8	37°08'18" 51°11'17"	26	1.5 3.7	UCAC4 391-99157	13.49	18 <sup>h</sup> 45 <sup>m</sup> 26.347 <sup>s</sup> −11°55'41.595"	1.8	111	141.6	-13.2	80.8	36.3	85.6	104
2018/05/25 21:20:11	41354 2000 AW33	8.3	17.62	6.40	246	0.7	32°51'16" 50°15'51"	276	0.5 2.3	UCAC4 284-72129	11.22	14 <sup>h</sup> 11 <sup>m</sup> 34.005 <sup>s</sup> −33°15'34.836"	3.5	202	151.1	-19.1	31.7	27.0	86.2	142
2018/05/25 22:13:34	411 Xanthe	76.5	13.84	1.44	218	9.5	37°04'54" 48°09'30"	165	3.7 28.1	UCAC4 500-60662	12.74	13 <sup>h</sup> 57 <sup>m</sup> 35.156 <sup>s</sup> 9°57'57.138"	36.3	237	135.1	-18.5	15.9	20.4	86.5	106
2018/05/25 22:30:20	23497 1991 VG4	5.2	18.51	4.55	232	0.6	38°39'60" 51°29'21"	47	0.3 1.7	UCAC4 358-160655	13.98	18 <sup>h</sup> 37 <sup>m</sup> 41.007 <sup>s</sup> −18°30'44.619"	18.8	158	145.2	-17.9	77.1	18.2	86.6	121
2018/05/25 23:17:07	4865 Sor	11.0	16.92	3.05	153	0.8	34°48'03" 51°02'31"	316	1.7 3.5	UCAC4 307-89711	13.93	16 <sup>h</sup> 36 <sup>m</sup> 21.899 <sup>s</sup> −28°39'55.662"	9.4	198	170.2	-15.3	50.9	11.4	86.8	125
2018/05/25 23:36:40	91201 1998 SC162	5.8	19.46	5.71	113	0.7	36°14'40" 49°01'57"	182	1.1 1.4	UCAC4 495-57281	13.76	12 <sup>h</sup> 05 <sup>m</sup> 06.409 <sup>s</sup> 8°59'18.364"	5.2	278	112.8	-13.8	24.8	8.5	87.0	164
2018/05/25 23:58:14	356987 1997 UJ6	7.2	21.14	8.62	238	0.8	39°12'30" 51°06'34"	60	0.5 0.5	UCAC4 463-122169	12.52	20 <sup>h</sup> 24 <sup>m</sup> 23.580 <sup>s</sup> 2°31'09.335"	37.5	146	113.5	-12.0	103.8	5.2	87.0	535
2018/05/26 01:14:02	47115 1999 CH62	7.6	18.65	5.25	141	1.3	38°15'18" 49°58'48"	93	1.3 2.1	UCAC4 420-139829	13.40	20 <sup>h</sup> 28 <sup>m</sup> 51.001 <sup>s</sup> −6°05'38.841"	33.5	169	115.8	-3.6	103.6	-6.7	87.3	142
2018/05/26 01:33:10	30839 1991 GHI	6.0	17.33	5.35	221	0.8	34°09'31" 51°30'16"	317	0.1 2.9	UCAC4 329-134223	11.99	18 <sup>h</sup> 18 <sup>m</sup> 24.065 <sup>s</sup> −24°21'27.882"	11.5	206	150.3	-1.2	71.1	-9.8	87.5	84
2018/05/26 19:28:13	2402 Satpaev	9.1	16.19	3.97	66	0.8	37°00'20" 50°25'14"	51	3.2 4.3	UCAC4 320-78012	12.25	15 <sup>h</sup> 04 <sup>m</sup> 17.627 <sup>s</sup> −26°05'32.359"	13.0	168	163.5	-13.9	22.6	32.4	92.1	85
2018/05/27 00:16:04	4548 Wielen	5.5	16.57	3.39	227	0.7	33°34'40" 51°08'46"	302	0.0 3.3	UCAC4 277-111783	13.23	17 <sup>h</sup> 28 <sup>m</sup> 47.975 <sup>s</sup> −34°45'09.692"	3.0	198	158.7	-10.1	50.5	6.0	93.2	67
2018/05/27 00:16:36	59402 1999 FR32	6.3	16.24	3.52	83	0.8	37°22'45" 49°48'03"	109	1.8 3.5	UCAC4 285-123951	12.76	17 <sup>h</sup> 16 <sup>m</sup> 40.696 <sup>s</sup> −33°01'33.236"	3.9	201	161.7	-10.0	47.6	5.9	93.2	71
2018/05/27 17:48:33	117102 2004 OF3	6.0	19.75	5.86	151	0.6	37°20'14" 51°14'01"	30	0.9 1.2	UCAC4 400-57045	13.89	14 <sup>h</sup> 13 <sup>m</sup> 43.196 <sup>s</sup> −10°08'08.861"	26.2	153	148.4	-3.5	10.2	21.4	96.4	205
2018/05/27 19:47:25	200057 2008 PT16	10.0	19.95	7.21	194	0.8	35°45'11" 48°20'10"	191	1.0 1.1	UCAC4 481-81785	12.75	18 <sup>h</sup> 25 <sup>m</sup> 25.340 <sup>s</sup> 6°08'37.193"	25.0	112	138.3	-15.2	54.4	28.1	96.7	353
2018/05/27 22:24:36	4068 Menes- theus	62.3	17.18	4.03	38	7.5	36°37'12" 50°18'38"	39	7.7 7.8	UCAC4 439-103806	13.17	19 <sup>h</sup> 38 <sup>m</sup> 22.198 <sup>s</sup> −2°14'48.292"	29.1	137	127.6	-17.8	68.5	22.0	97.0	319
2018/05/27 23:01:26	17521 Kiek	5.5	17.91	5.41	39	0.8	36°17'25" 49°42'01"	180	2.0 2.1	UCAC4 326-133333	12.50	18 <sup>h</sup> 15 <sup>m</sup> 18.045 <sup>s</sup> −24°49'14.708"	15.0	174	152.8	-16.0	46.4	18.4	97.2	103
2018/05/27 23:24:01	72831 2001 HJ14	5.0	18.61	4.73	153	0.6	34°28'58" 49°18'57"	238	0.8 1.5	UCAC4 425-104615	13.90	19 <sup>h</sup> 07 <sup>m</sup> 29.458 <sup>s</sup> −5°00'51.117"	33.8	163	135.8	-14.5	59.9	15.9	97.2	132
2018/05/27 23:43:33	14448 1992 VQ	6.6	18.98	5.96	51	1.0	36°29'06" 49°36'16"	164	1.7 1.8	UCAC4 344-179691	13.03	19 <sup>h</sup> 11 <sup>m</sup> 47.138 <sup>s</sup> −21°23'28.646"	18.1	170	139.7	-13.0	58.8	13.5	97.2	145

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 9		LinOccult 2.3.0			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2018/05/27 23:46:00	7274 Wash- ioyama	5.2	17.23	5.00	236	1.0	33°18'54'' 49°09'07''	245	0.0	UCAC4 260-189674	12.24	19 <sup>h</sup> 33 <sup>m</sup> 27.777 <sup>s</sup> -38°03'52.861''	1.0	168	135.0	-12.7	63.9	13.2	97.3	73
2018/05/28 21:38:48	76140 2000 EG13	6.3	18.59	5.57	88	0.7	36°51'57'' 49°21'04''	152	1.5	UCAC4 409-83640	13.03	18 <sup>h</sup> 42 <sup>m</sup> 39.257 <sup>s</sup> -8°15'23.159''	25.0	143	143.6	-18.6	42.1	24.2	99.4	137
2018/05/28 21:41:17	45050 1999 XW21	5.5	17.24	3.95	147	0.8	34°42'31'' 49°12'42''	230	0.6	UCAC4 298-184333	13.32	18 <sup>h</sup> 15 <sup>m</sup> 17.392 <sup>s</sup> -30°26'50.786''	6.4	158	153.0	-18.6	36.0	24.2	99.4	83
2018/05/28 22:52:04	1147 Stavropo- lis	17.4	13.13	0.77	256	11.3	33°02'10'' 49°07'49''	246	0.0	UCAC4 332-176208	13.09	18 <sup>h</sup> 40 <sup>m</sup> 20.375 <sup>s</sup> -23°39'23.288''	15.3	166	148.0	-16.4	40.1	20.4	99.4	46
2018/05/28 23:49:45	25835 Tomzega	8.3	17.26	3.95	112	0.7	37°27'45'' 50°42'56''	48	1.8	UCAC4 417-61513	13.34	15 <sup>h</sup> 35 <sup>m</sup> 48.774 <sup>s</sup> -6°40'45.880''	20.7	230	161.4	-12.3	10.4	15.2	99.5	129
2018/05/29 00:01:25	26633 2000 HS47	5.2	18.67	5.44	153	0.7	37°24'02'' 48°52'33''	149	0.8	UCAC4 336-167056	13.24	18 <sup>h</sup> 37 <sup>m</sup> 27.438 <sup>s</sup> -22°48'42.067''	17.2	184	148.7	-11.2	38.3	14.0	99.5	130
2018/05/29 00:32:48	7747 Michalowski	6.3	15.35	2.64	196	1.4	35°47'50'' 51°46'43''	350	0.0	UCAC4 304-133923	12.81	17 <sup>h</sup> 29 <sup>m</sup> 32.900 <sup>s</sup> -29°19'15.414''	6.8	205	162.9	-8.1	24.9	10.4	99.5	54
2018/05/29 17:53:13	10637 Heim- lich	10.5	18.32	4.92	39	0.6	35°46'43'' 49°54'35''	247	2.5	UCAC4 532-50298	13.42	10 <sup>h</sup> 39 <sup>m</sup> 33.736 <sup>s</sup> 16°17'32.368''	47.8	229	87.3	-3.8	93.9	5.9	99.8	161
2018/05/29 20:06:02	2292 Seili	15.1	14.78	1.54	134	3.2	37°21'40'' 51°02'08''	35	1.3	UCAC4 462-92734	13.55	19 <sup>h</sup> 18 <sup>m</sup> 16.347 <sup>s</sup> 2°19'24.346''	18.0	109	131.5	-16.0	44.1	18.8	99.8	69
2018/05/29 20:10:09	29512 1997 YL5	5.0	18.52	6.77	60	0.6	36°00'26'' 49°32'10''	199	1.5	UCAC4 366-125366	11.75	18 <sup>h</sup> 23 <sup>m</sup> 41.225 <sup>s</sup> -16°57'17.470''	10.0	132	151.8	-16.2	24.8	19.1	99.8	112
2018/05/29 20:37:34	5313 Nunes	6.6	15.65	2.72	251	1.4	35°53'56'' 47°48'27''	186	0.0	UCAC4 357-122422	13.02	18 <sup>h</sup> 09 <sup>m</sup> 00.561 <sup>s</sup> -18°38'33.863''	13.2	142	155.6	-17.5	21.0	20.5	99.8	56
2018/05/29 21:18:48	132974 2002 TP168	5.0	18.78	5.85	170	0.5	37°40'37'' 51°17'59''	35	0.7	UCAC4 387-115504	12.94	18 <sup>h</sup> 57 <sup>m</sup> 28.439 <sup>s</sup> -12°39'51.497''	17.8	138	142.8	-18.4	33.1	21.8	99.8	144
2018/05/29 21:22:23	60254 1999 VO226	5.5	19.70	6.22	180	0.8	38°23'54'' 49°10'52''	123	0.7	UCAC4 526-54297	13.48	12 <sup>h</sup> 12 <sup>m</sup> 25.670 <sup>s</sup> 15°00'01.455''	29.9	257	107.9	-18.4	74.3	21.9	99.8	172
2018/05/29 21:23:36	243496 2009 UV105	6.9	20.89	7.62	22	0.6	36°24'03'' 50°13'37''	22	0.7	UCAC4 441-97229	13.27	19 <sup>h</sup> 14 <sup>m</sup> 21.950 <sup>s</sup> -1°49'33.225''	26.0	129	134.5	-18.4	40.7	21.9	99.8	402
2018/05/29 22:15:53	6109 Balseiro	6.3	16.64	4.28	170	1.2	37°29'04'' 51°22'28''	30	0.2	UCAC4 393-85988	12.38	18 <sup>h</sup> 23 <sup>m</sup> 10.907 <sup>s</sup> -11°32'10.220''	26.5	160	150.2	-17.8	24.8	21.8	99.8	71
2018/05/29 22:37:33	5051 Ralph	6.9	16.84	3.66	221	1.4	33°59'09'' 51°23'46''	312	0.1	UCAC4 366-62967	13.21	13 <sup>h</sup> 31 <sup>m</sup> 23.654 <sup>s</sup> -16°50'24.470''	4.8	236	138.7	-17.0	46.0	21.2	99.8	82
2018/05/30 00:23:44	26750 2001 HJ55	6.6	16.67	3.43	202	0.9	39°06'06'' 49°53'58''	95	0.1	UCAC4 293-221101	13.29	19 <sup>h</sup> 23 <sup>m</sup> 28.754 <sup>s</sup> -31°29'56.396''	8.6	179	139.5	-8.9	37.2	14.2	99.7	79
2018/05/30 00:34:13	2899 Runrun Shaw	6.9	15.99	4.46	236	1.9	33°18'01'' 50°59'23''	296	0.0	UCAC4 308-239688	11.54	18 <sup>h</sup> 35 <sup>m</sup> 30.472 <sup>s</sup> -28°34'12.604''	10.6	192	150.1	-7.8	26.3	13.2	99.7	61
2018/05/30 19:17:53	4816 Connelly	9.1	16.40	4.81	244	0.7	39°18'34'' 51°06'10''	61	0.1	UCAC4 301-88009	11.61	16 <sup>h</sup> 07 <sup>m</sup> 07.183 <sup>s</sup> -29°59'25.093''	6.3	156	170.3	-12.5	21.2	8.5	98.5	96
2018/05/30 21:00:35	15698 1986 QO2	6.3	18.59	4.65	250	0.9	35°18'02'' 47°54'03''	196	0.4	UCAC4 406-58174	13.95	13 <sup>h</sup> 53 <sup>m</sup> 34.395 <sup>s</sup> -8°58'21.068''	25.1	215	140.4	-18.0	53.9	17.4	98.4	139

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1			Page 10			LinOccult 2.3.0		
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 (%)	$\sigma_{km}$	
2018/05/30 23:37:13	4159 Freeman	17.3	14.85	1.40	219	1.4	34°30'42'' 51°39'51''	325	0.6	UCAC4 365-89094	13.80	17 <sup><i>h</i></sup> 23 <sup><i>m</i></sup> 41.631 <sup><i>s</i></sup> −17°01'22.895''	21.2	199	166.5	-13.1	4.4	19.1	98.1	98	
2018/05/31 19:18:31	46920 SX12	5.0	18.60	6.60	244	0.5	37°45'56'' 48°04'37''	154	0.3	UCAC4 569-52532	12.00	15 <sup><i>h</i></sup> 12 <sup><i>m</i></sup> 48.582 <sup><i>s</i></sup> 23°38'00.028''	61.9	154	130.3	-12.4	63.6	1.9	95.4	128	
2018/05/31 21:05:56	77 Frigga	69.2	12.97	0.65	177	6.6	34°57'32'' 48°42'40''	213	6.3	UCAC4 316-156816	13.20	18 <sup><i>h</i></sup> 12 <sup><i>m</i></sup> 59.294 <sup><i>s</i></sup> −26°57'39.296''	8.3	152	156.9	-18.0	6.8	13.4	95.1	103	
2018/05/31 22:10:27	5017 Tenchi	12.0	17.33	5.49	184	1.4	36°01'35'' 48°24'24''	186	1.4	UCAC4 419-103225	11.85	18 <sup><i>h</i></sup> 51 <sup><i>m</i></sup> 04.152 <sup><i>s</i></sup> −6°16'20.315''	30.0	152	143.4	-17.7	15.6	17.6	94.9	130	
2018/05/31 22:18:41	106954 YS78	5.0	19.14	7.66	192	0.7	34°59'30'' 51°33'54''	331	0.6	UCAC4 504-54910	11.48	12 <sup><i>h</i></sup> 51 <sup><i>m</i></sup> 13.822 <sup><i>s</i></sup> 10°40'33.612''	22.6	259	116.3	-17.4	88.1	18.0	94.9	149	
2018/05/31 22:45:32	5017 Tenchi	12.0	17.33	6.16	75	1.4	36°09'23'' 49°22'31''	187	3.1	UCAC4 419-103176	11.17	18 <sup><i>h</i></sup> 51 <sup><i>m</i></sup> 03.412 <sup><i>s</i></sup> −6°16'20.223''	32.2	161	143.4	-16.3	15.5	18.9	94.8	130	