

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 2.3.0
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 241

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 (%)	σ_{km}	
2017/08/01 00:02:57	17757 1998 DG15	6.6	17.20	4.08	16	0.7	36°05'60'' 49°58'01''	236	2.5	UCAC4 414-115181	13.14	19 ^h 09 ^m 24.951 ^s −7°14'03.472''	13.2	241	154.4	-15.1	53.9	-25.8	63.2	104	
2017/08/01 00:34:56	80035 1999 JV21	5.0	18.90	9.02	175	1.0	35°18'13'' 48°36'41''	204	0.7	UCAC4 500-148336	9.88	23 ^h 17 ^m 59.611 ^s 9°53'25.025''	49.8	188	132.9	-11.9	117.9	-30.7	63.3	139	
2017/08/01 00:47:33	18023 1999 JQ129	5.2	17.15	3.64	105	0.6	36°49'08'' 49°10'04''	159	1.2	UCAC4 444-116799	13.55	20 ^h 00 ^m 03.733 ^s −1°18'56.315''	18.9	244	160.0	-10.5	67.2	-32.6	63.4	93	
2017/08/01 01:11:30	10117 Tanikawa	7.9	17.34	3.74	218	0.7	37°25'04'' 48°13'52''	158	0.5	UCAC4 419-130015	13.63	19 ^h 37 ^m 21.725 ^s −6°15'06.726''	8.0	250	159.8	-7.7	60.3	-36.1	63.6	117	
2017/08/01 18:00:49	8049 1996 FL2	8.3	17.25	3.83	157	1.1	37°16'44'' 51°18'26''	27	1.2	UCAC4 329-174027	13.45	18 ^h 51 ^m 04.265 ^s −24°13'12.762''	12.4	156	152.2	-6.8	39.4	23.2	69.8	121	
2017/08/01 18:37:44	4736 John-wood	6.3	15.64	2.61	31	0.6	36°32'26'' 50°16'24''	36	3.7	UCAC4 420-145840	13.13	21 ^h 51 ^m 18.349 ^s −6°07'22.034''	12.9	116	160.5	-11.2	84.4	21.1	70.0	59	
2017/08/01 18:38:33	13685 1997 QG4	7.2	17.50	3.62	177	1.1	38°42'05'' 49°44'16''	101	0.9	UCAC4 399-70314	13.92	17 ^h 39 ^m 50.764 ^s −10°16'47.430''	29.8	182	134.0	-11.3	22.9	21.0	70.1	126	
2017/08/01 19:40:41	601 Nerthus	73.3	14.03	1.53	179	7.0	34°15'28'' 51°00'06''	306	6.6	UCAC4 437-84004	12.81	19 ^h 00 ^m 46.827 ^s −2°39'41.784''	37.4	176	149.7	-17.3	43.9	15.7	70.4	103	
2017/08/01 21:42:21	17283 Ustinov	10.0	17.49	3.74	254	1.1	33°11'13'' 51°12'25''	300	0.6	UCAC4 325-132796	13.78	18 ^h 09 ^m 27.144 ^s −25°08'50.900''	6.9	216	142.5	-22.3	28.3	0.7	71.2	144	
2017/08/01 21:55:47	8717 Richvik-torov	8.3	17.33	7.14	184	0.7	34°43'36'' 51°22'04''	323	0.9	UCAC4 354-183745	10.19	20 ^h 05 ^m 57.612 ^s −19°21'46.668''	19.5	194	169.9	-22.2	54.9	-1.2	71.2	122	
2017/08/01 23:26:09	2958 Arpetito	11.0	16.83	4.89	110	1.5	37°06'31'' 49°12'40''	148	2.4	UCAC4 419-147305	11.95	22 ^h 52 ^m 01.456 ^s −6°19'49.430''	33.7	175	147.7	-18.4	96.4	-14.9	71.8	104	
2017/08/02 00:12:14	32602 2001 QE185	9.1	18.29	7.08	127	1.1	37°52'29'' 49°32'41''	116	1.7	UCAC4 545-2311	11.21	1 ^h 11 ^m 49.440 ^s 18°53'01.115''	51.9	134	105.6	-14.4	135.4	-22.1	72.0	142	
2017/08/02 01:40:48	10884 Tsub-oimasaki	6.6	17.87	6.90	152	0.5	36°58'09'' 48°45'14''	161	0.9	UCAC4 481-2507	10.97	1 ^h 47 ^m 23.424 ^s 6°08'40.723''	44.6	160	102.6	-4.1	140.8	-35.8	72.6	107	
2017/08/02 19:42:40	219125 1998 US11	8.3	20.58	6.88	142	1.5	37°14'60'' 48°56'11''	151	0.9	UCAC4 320-106399	13.70	17 ^h 11 ^m 07.260 ^s −26°03'09.786''	10.6	203	128.5	-17.7	8.8	17.7	78.7	350	
2017/08/02 19:46:12	5134 Ebilson	13.8	16.17	2.32	251	3.0	33°16'41'' 51°14'53''	302	0.4	UCAC4 319-130162	13.99	18 ^h 02 ^m 44.184 ^s −26°23'24.921''	12.7	193	140.1	-18.0	17.0	17.5	78.7	108	
2017/08/02 20:44:40	8424 Toshit-sumita	5.8	16.66	3.43	197	1.1	38°06'15'' 48°44'02''	138	0.1	UCAC4 358-162628	13.28	18 ^h 39 ^m 22.859 ^s −18°29'44.283''	19.5	199	148.6	-21.4	23.2	12.1	79.0	76	
2017/08/02 20:51:55	3027 Shavarsh	7.2	16.81	6.28	219	2.3	38°03'19'' 48°27'35''	144	0.2	UCAC4 349-122348	10.53	18 ^h 00 ^m 08.204 ^s −20°16'54.243''	14.7	210	139.4	-21.7	14.0	11.3	79.1	89	
2017/08/02 20:54:40	73481 2002 PO69	6.3	18.58	5.04	63	0.7	36°35'09'' 49°31'11''	160	1.6	UCAC4 393-89397	13.55	18 ^h 33 ^m 08.107 ^s −11°32'33.417''	25.2	205	146.0	-21.8	23.0	11.0	79.1	138	
2017/08/02 22:08:40	26145 1994 PG18	5.5	17.77	4.24	88	0.6	35°14'26'' 50°27'54''	302	1.5	UCAC4 416-150596	13.55	22 ^h 37 ^m 32.188 ^s −6°56'40.864''	30.8	158	152.2	-22.3	81.6	1.8	79.5	92	
2017/08/02 22:15:43	4803 Birkle	11.5	16.81	4.82	37	2.3	35°46'42'' 50°05'43''	278	3.7	UCAC4 315-148907	12.00	18 ^h 09 ^m 06.868 ^s −27°00'52.083''	1.4	223	141.3	-22.1	17.5	0.9	79.5	119	

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 (%)	σ_{km}
2017/08/03 01:03:31	30481 OX40	5.2	17.91	3.96	184	0.6	35°40'04" 51°39'26"	346	0.6	UCAC4 448-134940	13.98	21 ^h 20 ^m 59.186 ^s 0° – 27°17.425"	27.4	231	161.5	-9.1	64.0	-24.3	80.4	129
2017/08/03 19:03:18	1019 Strackea	8.4	15.01	1.88	155	0.6	38°26'04" 49°51'23"	98	0.1	UCAC4 481-69838	13.34	17 ^h 49 ^m 46.018 ^s 6°08'18.620"	45.9	190	128.5	-14.4	25.2	20.8	85.7	53
2017/08/03 19:24:37	25644 AP70	5.0	18.31	4.72	229	1.9	36°20'16" 47°59'12"	179	0.1	UCAC4 445-575	13.60	0 ^h 26 ^m 50.051 ^s -1°10'46.413"	1.2	93	125.6	-16.4	98.4	20.2	86.0	95
2017/08/03 20:31:38	18802 JR76	5.2	17.01	3.66	159	0.6	35°00'41" 51°13'46"	325	0.6	UCAC4 462-116775	13.39	20 ^h 31 ^m 49.924 ^s 2°15'03.052"	41.5	165	159.5	-21.1	45.0	16.4	86.1	102
2017/08/03 22:07:59	15968 Walter-cugno	6.9	17.79	6.11	147	0.6	37°31'13" 48°59'43"	143	1.1	UCAC4 364-182407	11.68	21 ^h 15 ^m 16.042 ^s -17°23'05.675"	22.7	182	175.4	-22.5	47.7	6.9	86.5	122
2017/08/03 22:08:11	40717 SC2	5.0	17.48	5.57	45	0.5	36°10'48" 50°26'33"	350	2.0	UCAC4 556-108130	11.91	20 ^h 04 ^m 31.116 ^s 21°09'59.931"	57.3	216	139.4	-22.5	51.4	6.9	86.6	90
2017/08/03 22:25:14	6258 Rodin	6.3	17.24	6.02	75	1.0	37°14'00" 49°45'12"	116	2.0	UCAC4 413-147776	11.23	23 ^h 10 ^m 44.613 ^s -7°35'08.807"	29.3	154	145.8	-22.1	77.2	4.8	86.6	81
2017/08/03 23:55:54	1795 Woltjer	27.1	18.39	4.47	88	0.8	37°16'54" 49°35'26"	126	4.7	UCAC4 540-19052	13.94	5 ^h 44 ^m 51.055 ^s 17°50'29.323"	8.5	72	45.5	-16.4	176.7	-7.5	87.0	210
2017/08/04 02:07:20	553 Kundry	12.0	16.02	4.05	191	1.2	35°28'17" 51°41'19"	342	0.4	UCAC4 461-2115	12.00	1 ^h 33 ^m 17.040 ^s 2°04'03.011"	42.2	177	109.2	-0.9	112.2	-27.6	87.6	82
2017/08/04 17:05:44	5140 Kida	15.8	16.41	4.35	90	1.6	37°17'05" 49°33'28"	127	3.8	UCAC4 400-100168	12.08	18 ^h 53 ^m 33.862 ^s -10°04'14.764"	21.8	140	148.8	-0.0	10.5	15.1	91.3	134
2017/08/04 17:48:40	105127 MH1	6.0	15.65	2.50	149	0.5	34°33'54" 49°18'34"	236	0.7	UCAC4 367-154568	13.26	19 ^h 00 ^m 27.684 ^s -16°46'36.127"	18.8	151	151.7	-5.9	6.6	18.1	91.4	95
2017/08/04 20:47:38	104588 GG86	5.0	18.46	4.95	48	0.6	35°37'49" 50°08'45"	283	1.2	UCAC4 283-209752	13.52	19 ^h 05 ^m 23.174 ^s -33°27'02.187"	5.5	193	149.6	-22.1	15.1	18.2	92.1	159
2017/08/04 21:54:30	7330 Annele-maitre	6.9	17.75	5.31	248	0.5	37°49'44" 48°03'55"	153	0.2	UCAC4 498-115813	12.45	19 ^h 37 ^m 41.719 ^s 9°24'46.779"	44.9	215	146.6	-23.0	31.7	13.2	92.3	109
2017/08/04 23:15:50	913 Otila	13.2	13.44	3.57	91	2.5	37°16'59" 49°32'40"	128	2.8	UCAC4 320-225630	9.91	20 ^h 33 ^m 20.417 ^s -26°07'43.151"	9.2	208	169.0	-19.8	25.3	4.3	92.7	60
2017/08/04 23:42:03	6959 Mikkellocha	12.0	16.18	3.95	128	2.2	36°28'32" 51°11'28"	6	2.2	UCAC4 393-135537	12.26	23 ^h 31 ^m 53.645 ^s -11°28'58.178"	28.3	172	142.8	-17.9	68.5	1.0	92.7	149
2017/08/04 23:50:44	801 Helw-erthia	33.2	15.64	2.89	62	3.0	36°36'06" 49°31'42"	159	11.2	UCAC4 442-107765	12.83	19 ^h 37 ^m 15.081 ^s -1°36'52.062"	21.3	239	154.5	-17.1	21.4	-0.2	92.8	95
2017/08/05 00:31:01	2012 Guo Shou-Jing	6.9	14.84	1.28	54	1.2	35°55'10" 50°28'20"	331	3.1	UCAC4 379-160146	13.95	20 ^h 46 ^m 41.833 ^s -14°19'51.465"	14.1	226	175.8	-13.2	28.4	-5.8	92.9	57
2017/08/05 01:22:26	1065 Amund-senia	12.0	16.07	3.02	97	0.5	37°20'11" 49°29'58"	129	3.0	UCAC4 574-6784	13.12	3 ^h 10 ^m 08.684 ^s 24°45'14.241"	52.1	118	80.8	-7.1	128.8	-13.4	93.0	87
2017/08/05 17:40:47	27117 WQ3	6.9	16.66	2.80	172	1.4	34°58'41" 48°45'19"	213	0.5	UCAC4 385-118210	13.94	18 ^h 45 ^m 01.713 ^s -13°10'26.897"	23.1	153	146.6	-5.1	11.3	14.3	96.0	92
2017/08/05 18:12:15	56703 LT30	5.8	17.49	3.71	179	1.0	38°01'05" 48°53'45"	136	0.5	UCAC4 358-81508	13.82	16 ^h 48 ^m 40.070 ^s -18°24'39.363"	20.9	192	119.7	-9.2	37.4	16.8	96.1	102

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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}	
2017/08/05 18:39:14	31056 1996 RK25	6.3	16.92	3.21	154	0.8	38°21'10" 49°40'49"	105	0.6	UCAC4 445-89426	13.77	18 ^h 57 ^m 07.239 ^s -1°10'25.658"	37.6	163	145.3	-12.3	19.4	18.6	96.2	90	
2017/08/05 19:52:25	8726 Masamo-tonasu	10.0	17.53	5.32	152	0.8	35°30'45" 51°19'11"	339	1.6	UCAC4 404-119177	12.21	19 ^h 48 ^m 54.989 ^s -9°12'18.411"	30.5	171	160.4	-19.2	10.6	21.1	96.4	141	
2017/08/05 21:35:35	3802 Dornburg	5.5	15.50	3.55	52	0.9	35°41'01" 50°18'35"	304	2.5	UCAC4 364-179631	12.00	20 ^h 34 ^m 46.565 ^s -17°12'12.292"	22.7	186	173.1	-23.3	14.4	18.8	96.6	62	
2017/08/05 21:45:50	87362 2000 QS45	5.0	19.23	5.50	92	0.5	35°25'40" 50°40'15"	318	1.1	UCAC4 348-161409	13.73	18 ^h 48 ^m 39.822 ^s -20°27'18.529"	13.0	214	147.9	-23.3	11.0	18.2	96.6	151	
2017/08/05 23:54:59	3827 Zdenekhorsky	8.3	16.62	2.89	79	1.0	37°05'34" 49°34'09"	133	2.5	UCAC4 326-196124	13.81	19 ^h 42 ^m 41.762 ^s -24°56'54.990"	1.1	227	159.4	-17.0	6.3	6.0	97.0	97	
2017/08/06 00:51:42	4225 Hobart	8.3	14.84	3.33	95	1.2	35°09'49" 50°30'28"	303	1.6	UCAC4 331-208743	11.57	20 ^h 59 ^m 40.558 ^s -23°57'58.138"	4.3	224	172.6	-11.1	18.9	-1.3	97.1	60	
2017/08/06 17:47:33	50850 2000 FX46	6.6	17.98	4.49	23	1.9	36°36'15" 50°01'09"	98	1.9	UCAC4 310-141834	13.51	17 ^h 58 ^m 15.517 ^s -28°02'58.121"	11.4	170	135.2	-6.3	33.7	11.3	99.0	136	
2017/08/06 17:54:23	29479 1997 VJ1	5.5	18.15	6.39	225	0.8	39°25'51" 49°59'07"	92	0.3	UCAC4 283-127682	11.77	17 ^h 39 ^m 43.553 ^s -33°34'23.176"	6.4	176	130.7	-7.2	38.6	12.0	98.9	113	
2017/08/06 17:56:00	90235 2003 BF35	5.0	18.81	5.73	167	0.6	38°35'57" 49°51'51"	97	0.7	UNKNOWN UN-KNOWN	13.09	18 ^h 16 ^m 06.825 ^s -8°52'06.616"	30.1	165	137.8	-7.4	30.9	12.2	99.0	208	
2017/08/06 19:21:20	47552 2000 AR128	7.2	16.32	2.55	153	0.7	38°03'13" 50°50'00"	55	1.0	UCAC4 341-197354	13.88	20 ^h 19 ^m 50.378 ^s -21°59'00.592"	15.3	158	167.6	-16.9	4.5	19.5	99.1	110	
2017/08/06 20:36:35	8345 UImerspatz	9.1	17.52	7.37	234	1.3	33°18'20" 50°56'59"	295	0.4	UCAC4 334-96589	10.15	17 ^h 15 ^m 20.943 ^s -23°12'09.821"	7.9	219	125.4	-22.2	44.2	22.5	99.2	118	
2017/08/06 20:59:48	5247 Krylov	12.0	15.32	9.54	103	1.6	36°48'02" 49°10'59"	159	2.6	UCAC4 585-117356	5.78	21 ^h 06 ^m 23.538 ^s 26°55'27.363"	65.9	158	136.5	-23.0	45.6	22.7	99.2	78	
2017/08/06 22:59:49	15356 1995 DE	6.6	16.28	3.00	207	0.7	38°16'53" 48°43'05"	136	0.1	UNKNOWN UN-KNOWN	13.35	20 ^h 17 ^m 26.464 ^s -8°31'55.490"	25.1	216	165.4	-21.3	9.2	17.9	99.4	82	
2017/08/07 00:36:13	714 Ulula	39.2	12.98	0.94	6	3.6	36°12'15" 50°02'31"	264	17.7	UCAC4 492-140777	12.64	21 ^h 20 ^m 57.288 ^s 8°19'59.753"	36.4	233	154.9	-13.1	28.2	8.3	99.5	87	
2017/08/07 02:13:24	396 Aeolia	34.1	16.27	4.75	22	0.9	35°59'21" 50°05'40"	284	6.9	UCAC4 566-22708	11.53	6 ^h 06 ^m 46.421 ^s 23°05'56.356"	32.6	92	43.0	-0.6	144.6	-4.6	99.5	196	
2017/08/07 17:37:56	31217 1998 BD15	6.3	18.31	4.97	95	1.0	35°02'59" 49°44'10"	249	1.5	UCAC4 310-154756	13.35	18 ^h 04 ^m 13.193 ^s -28°01'45.191"	11.1	168	135.6	-5.2	44.2	6.1	100.0	134	
2017/08/07 17:55:18	16185 2000 AH164	5.8	18.44	4.69	13	1.2	36°26'46" 49°59'27"	119	1.6	UCAC4 394-76757	13.77	18 ^h 00 ^m 37.862 ^s -11°22'06.861"	28.3	170	133.7	-7.5	46.0	8.3	100.0	144	
2017/08/07 18:42:05	190229 2006 OO5	11.0	19.79	5.86	51	1.3	35°45'02" 49°45'11"	229	1.1	UCAC4 328-125237	13.93	18 ^h 00 ^m 33.879 ^s -24°26'56.906"	15.6	183	134.9	-13.2	45.3	13.9	100.0	388	
2017/08/07 20:17:02	1978 Patrice	8.7	16.09	2.90	111	0.7	36°35'58" 51°01'16"	12	1.4	UCAC4 490-3087	13.27	2 ^h 10 ^m 29.139 ^s 7°50'50.994"	2.5	81	102.1	-21.4	76.9	22.2	100.0	68	
2017/08/07 22:05:30	6706 1988 VD3	5.8	15.94	2.53	251	0.7	38°08'32" 48°08'57"	148	0.0	UCAC4 353-189168	13.53	20 ^h 49 ^m 03.102 ^s -19°27'41.151"	19.8	192	173.8	-23.7	8.2	24.9	100.0	71	

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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}	
2017/08/07 23:20:32	3511 Tsve- taeva	12.0	17.41	5.23	241	1.4	37°45'39" 48°06'18"	154	0.7	UCAC4 385-110885	12.19	18 ^h 34 ^m 41.690 ^s −13°00'31.625"	5.7	242	142.0	-20.3	40.3	22.1	99.9	131	
2017/08/08 17:24:54	14910 QR4	5.2	18.41	6.45	54	1.0	36°51'17" 50°22'29"	48	1.6	UCAC4 309-219627	11.96	18 ^h 28 ^m 40.483 ^s −28°21'15.111"	9.2	160	139.9	-3.7	51.1	-0.1	99.1	116	
2017/08/08 19:47:20	390308 AL99	6.3	21.70	8.73	216	1.2	38°28'22" 48°44'01"	133	0.6	UCAC4 366-77826	12.97	16 ^h 56 ^m 37.562 ^s −16°49'40.884"	15.9	216	118.4	-19.7	74.1	18.5	98.8	351	
2017/08/08 20:39:47	17213 AF186	7.6	19.05	7.68	155	1.5	34°42'10" 51°00'13"	313	1.2	UCAC4 371-77582	11.37	16 ^h 42 ^m 11.126 ^s −15°50'54.223"	9.3	231	114.8	-22.9	78.1	23.3	98.7	162	
2017/08/08 21:01:25	168280 QR5	7.9	20.47	7.64	143	0.9	35°15'20" 51°09'10"	329	0.9	UCAC4 334-161213	12.83	18 ^h 25 ^m 00.761 ^s −23°16'07.258"	11.2	211	139.5	-23.6	53.6	24.9	98.7	335	
2017/08/08 21:20:32	68517 UC214	6.6	17.61	5.65	197	0.8	38°50'34" 49°24'06"	111	0.7	UCAC4 290-208533	11.97	19 ^h 08 ^m 29.636 ^s −32°03'17.257"	4.6	203	147.1	-24.0	45.6	26.1	98.7	149	
2017/08/08 21:30:42	15993 YH8	6.3	18.23	5.34	76	1.7	36°44'49" 49°25'52"	154	1.8	UCAC4 344-123924	12.90	18 ^h 05 ^m 00.197 ^s −21°12'07.954"	8.4	222	134.8	-24.2	58.5	26.6	98.7	115	
2017/08/08 21:46:15	16300 6569 P- L	6.6	18.03	4.30	147	2.0	34°54'55" 51°02'43"	319	1.1	UCAC4 342-132090	13.75	18 ^h 20 ^m 58.778 ^s −21°44'27.516"	7.9	222	138.5	-24.2	55.0	27.2	98.6	127	
2017/08/08 22:11:19	21766 1999 RW208	9.5	16.97	5.13	185	0.6	38°04'43" 48°52'04"	136	0.7	UCAC4 548-4414	11.85	2 ^h 21 ^m 10.411 ^s 19°30'10.885"	28.5	93	96.8	-23.8	69.7	27.9	98.6	100	
2017/08/08 22:17:06	5140 Kida	15.8	16.48	3.79	98	1.7	35°23'12" 50°43'05"	319	3.6	UCAC4 398-98730	12.72	18 ^h 51 ^m 26.493 ^s −10°25'06.721"	17.9	227	144.7	-23.7	48.5	28.0	98.6	135	
2017/08/08 22:51:46	6449 Kudara	5.0	17.99	6.28	86	0.6	35°45'35" 50°44'22"	334	1.4	UCAC4 342-178959	11.71	19 ^h 12 ^m 12.623 ^s −21°41'04.193"	6.4	225	150.4	-22.3	43.6	28.1	98.5	95	
2017/08/09 00:39:11	15676 Al- moisbeev	7.9	16.33	3.02	237	0.8	37°43'52" 48°08'23"	154	0.1	UCAC4 352-183225	13.38	20 ^h 44 ^m 16.045 ^s −19°43'21.133"	6.2	229	171.6	-13.2	23.1	23.0	98.3	93	
2017/08/09 00:40:51	6377 Cagnev	10.0	15.64	3.63	80	0.9	35°45'38" 50°41'11"	332	3.0	UCAC4 347-189023	12.05	21 ^h 28 ^m 24.587 ^s −20°45'15.571"	10.1	220	174.2	-13.1	14.3	22.8	98.3	88	
2017/08/09 17:07:33	2771 Polzunov	10.5	15.53	3.95	180	2.1	33°46'01" 50°04'32"	271	0.4	UCAC4 457-78801	11.61	18 ^h 45 ^m 26.483 ^s 1°17'50.590"	35.2	143	138.6	-1.5	61.5	-7.3	96.0	79	
2017/08/09 17:29:14	30980 1995 QU3	7.2	17.10	3.82	74	0.5	36°31'58" 50°41'30"	14	1.8	UCAC4 400-129490	13.31	20 ^h 22 ^m 18.669 ^s −10°04'49.399"	16.6	130	165.3	-4.5	36.2	-4.0	96.0	141	
2017/08/09 17:49:59	8601 Ciconia	6.3	18.98	6.33	159	0.6	35°05'32" 51°15'40"	328	1.0	UCAC4 356-180068	12.65	19 ^h 12 ^m 05.557 ^s −18°51'06.331"	17.5	154	149.8	-7.3	53.5	-0.7	95.9	151	
2017/08/09 18:04:02	27496 2000 GC125	11.0	16.68	4.09	31	0.8	36°34'56" 49°50'30"	137	3.1	UCAC4 477-119557	12.62	20 ^h 30 ^m 29.412 ^s 5°12'26.709"	33.2	127	156.0	-9.2	37.7	1.4	95.9	137	
2017/08/09 18:10:31	32508 2001 MR11	5.0	17.16	5.24	243	0.6	39°33'48" 49°31'14"	104	0.2	UCAC4 466-117592	11.92	19 ^h 55 ^m 51.298 ^s 3°05'51.609"	36.1	140	152.3	-10.0	45.2	2.4	95.9	110	
2017/08/09 19:30:52	1451 Grano	7.6	16.25	2.83	226	2.8	39°21'15" 49°35'07"	103	0.0	UCAC4 372-114807	13.50	18 ^h 07 ^m 50.837 ^s −15°45'34.943"	22.9	196	134.2	-18.6	70.1	13.9	95.5	73	
2017/08/09 20:15:26	10483 Tomburns	5.0	17.01	4.45	48	1.1	36°48'25" 49°46'44"	129	2.2	UCAC4 356-166873	12.58	18 ^h 50 ^m 27.892 ^s −18°59'33.838"	19.6	196	144.6	-21.9	60.1	19.6	95.5	75	

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			
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}
2017/08/09 20:35:36	2283 Bunke	10.5	15.95	2.24	87	2.2	37°11'09" 49°31'17"	132	2.9	UCAC4 389-99033	13.86	18 ^h 39 ^m 58.363 ^s -12°17'11.043"	24.4	206	141.4	-23.0	63.0	21.9	95.4	84
2017/08/09 20:59:19	20031 OO	6.6	15.29	1.82	65	0.6	37°11'34" 50°03'14"	89	2.5	UCAC4 311-259627	13.69	20 ^h 49 ^m 43.464 ^s -27°56'47.841"	12.1	177	166.0	-23.9	35.7	24.3	95.3	70
2017/08/10	8605 1968 OH	6.3	16.43	5.24	73	0.8	36°17'07" 49°23'43"	180	2.0	UCAC4 427-115947	11.20	20 ^h 23 ^m 15.787 ^s -4°36'40.640"	20.5	235	162.4	-17.1	39.9	31.4	94.8	94
2017/08/10 00:04:10	33302 KV48	8.7	19.05	5.72	153	0.8	36°01'23" 48°40'48"	187	1.4	UCAC4 461-3930	13.33	2 ^h 49 ^m 59.356 ^s 2°00'55.026"	30.8	130	96.5	-15.0	57.3	30.6	94.7	171
2017/08/10 00:25:28	10483 Tomburns	5.0	17.03	3.63	40	1.1	36°45'19" 49°50'39"	124	2.3	UCAC4 355-165735	13.44	18 ^h 50 ^m 00.756 ^s -19°03'02.800"	18.8	160	143.6	-7.3	71.9	-5.4	90.8	75
2017/08/10 17:47:31	43064 VK114	5.0	16.97	4.78	142	0.5	36°42'49" 51°17'43"	12	0.5	UCAC4 411-134952	12.20	22 ^h 06 ^m 02.400 ^s -7°55'48.516"	9.5	115	166.9	-9.4	23.6	-2.8	90.7	81
2017/08/10 18:03:57	63278 D129	9.5	20.40	7.18	213	0.8	38°00'25" 48°30'07"	144	0.9	UCAC4 398-89448	13.22	18 ^h 43 ^m 45.744 ^s -10°28'54.018"	25.3	209	141.1	-23.8	75.1	21.3	90.0	372
2017/08/10 20:47:14	5991 Ivavladis	5.0	17.71	3.79	187	0.8	34°34'03" 51°19'55"	319	0.3	UCAC4 316-227746	13.96	19 ^h 17 ^m 26.429 ^s -26°50'39.308"	10.6	201	148.8	-24.3	67.9	23.5	89.9	90
2017/08/10 21:05:05	13374 VT10	6.6	15.40	2.12	190	0.9	34°22'06" 51°14'53"	314	0.0	UCAC4 328-203839	13.45	21 ^h 15 ^m 05.737 ^s -24°25'26.069"	15.6	180	170.7	-24.7	41.9	26.6	89.8	62
2017/08/10 21:31:33	27205 CY75	7.6	17.26	5.00	238	2.0	38°19'07" 51°45'47"	37	0.2	UCAC4 490-71	12.27	0 ^h 02 ^m 41.257 ^s 7°51'04.752"	39.9	136	134.0	-24.5	12.7	30.2	89.7	108
2017/08/10 22:07:43	30219 GM126	6.6	17.16	3.80	239	0.9	38°27'22" 48°26'22"	139	0.4	UCAC4 566-83528	13.39	19 ^h 27 ^m 18.073 ^s 23°00'01.473"	57.6	222	132.0	-24.8	78.6	22.1	82.5	130
2017/08/11 21:13:12	20493 OD5	5.5	17.16	3.55	93	0.7	37°25'11" 49°38'33"	119	1.4	UCAC4 353-177294	13.65	19 ^h 26 ^m 29.408 ^s -19°31'28.068"	16.6	206	151.1	-25.0	78.6	23.9	82.4	104
2017/08/11 21:26:11	654 Zelinda	127.4	12.87	0.59	37	13.1	36°19'15" 49°43'12"	176	47.4	UCAC4 384-130466	13.23	19 ^h 06 ^m 34.785 ^s -13°23'39.931"	16.5	223	146.1	-24.7	83.4	29.4	82.2	93
2017/08/11 22:09:17	26578 Cellinekim	5.5	18.79	4.85	117	0.7	36°59'57" 49°06'23"	154	1.1	UCAC4 404-84045	13.95	18 ^h 43 ^m 23.949 ^s -9°23'42.143"	6.7	247	139.8	-20.9	89.8	37.1	81.7	139
2017/08/12 23:26:04	77661 LN8	5.5	19.23	5.69	5	1.0	36°19'49" 50°05'05"	37	1.3	UCAC4 347-133412	13.55	18 ^h 18 ^m 50.434 ^s -20°47'32.867"	17.0	160	134.4	-2.3	105.4	-18.9	75.2	164
17:07:30	12648 Ibarbourou	5.0	16.63	4.03	86	0.5	36°19'17" 50°49'03"	2	1.4	UCAC4 385-158137	12.62	21 ^h 44 ^m 11.837 ^s -13°07'16.287"	19.2	142	176.1	-19.1	57.3	1.9	74.2	78
2017/08/12 19:26:18	50677 ED109	5.8	18.41	5.54	101	0.6	35°09'02" 50°35'44"	307	1.3	UCAC4 404-114155	12.88	19 ^h 27 ^m 12.568 ^s -9°18'54.985"	30.8	180	149.6	-20.0	90.2	3.7	74.1	132
2017/08/12 19:37:12	23108 YP9	5.0	17.21	3.51	83	1.0	37°26'15" 49°57'57"	96	1.2	UCAC4 275-200087	13.74	19 ^h 12 ^m 37.804 ^s -35°00'15.726"	4.9	185	143.2	-20.7	94.9	5.0	74.2	144
2017/08/12 19:45:30	3793 Leonteus	86.5	16.54	4.48	199	8.5	34°57'29" 51°37'41"	332	9.4	UCAC4 451-75980	12.08	18 ^h 05 ^m 50.527 ^s 0°03'14.925"	20.9	243	127.4	-25.2	111.1	25.7	73.1	290
2017/08/12 22:00:26	71446 AP237	6.9	18.07	4.46	204	0.9	36°03'47" 48°13'23"	184	0.7	UCAC4 400-79239	13.63	18 ^h 19 ^m 15.745 ^s -10°11'37.709"	2.4	251	133.2	-21.5	109.1	36.3	72.5	147

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)	Duration (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}
2017/08/13 18:37:31	4536 Drew-pinsky	6.0	17.03	3.75	220	1.9	33°39'24'' 49°02'56''	239	0.1	UCAC4 326-178115	13.31	18 ^h 46 ^m 40.075 ^s -24°53'11.739''	15.1	177	139.6	-14.3	113.3	-9.6	64.5	80
2017/08/13 20:02:04	36269 1999 XB214	15.8	19.49	5.59	49	1.8	36°48'46'' 49°45'45''	130	1.9	UCAC4 408-70663	13.90	17 ^h 05 ^m 25.560 ^s -8°24'57.422''	20.8	226	114.2	-22.2	138.8	3.1	63.6	323
2017/08/13 20:21:22	7689 Reiner-stoss	5.2	17.55	4.17	42	0.5	36°34'09'' 49°43'13''	151	2.0	UCAC4 371-180289	13.41	20 ^h 48 ^m 40.372 ^s -15°53'50.385''	23.8	172	169.1	-23.4	85.3	6.1	63.6	98
2017/08/13 21:00:21	20435 1999 FU28	5.2	16.85	4.73	213	0.9	35°40'08'' 51°55'20''	348	0.0	UCAC4 511-2251	12.14	1 ^h 28 ^m 40.363 ^s 12°03'56.992''	23.2	99	116.0	-25.1	13.3	12.3	63.2	63
2017/08/13 22:31:43	8605 1968 OH	6.3	16.51	4.09	126	0.9	36°07'36'' 51°10'31''	355	1.1	UCAC4 427-115468	12.44	20 ^h 20 ^m 03.074 ^s -4°36'36.651''	29.0	217	159.3	-24.6	91.7	26.4	62.6	95
2017/08/14 19:31:23	104954 2000 JJ47	5.5	17.77	6.64	29	0.7	36°25'07'' 49°47'53''	161	1.6	UCAC4 490-125707	11.13	20 ^h 07 ^m 12.985 ^s 7°55'31.379''	47.4	166	148.5	-20.1	103.8	-6.1	52.8	132
2017/08/14 19:40:35	393199 2013 CN185	6.0	21.11	8.29	94	0.5	37°18'44'' 49°31'47''	128	0.5	UCAC4 382-129307	12.82	18 ^h 54 ^m 40.898 ^s -13°41'36.308''	25.6	192	140.6	-20.9	125.8	-4.8	52.7	476
2017/08/14 20:16:26	50987 2000 GD94	6.0	18.53	5.69	27	1.7	35°54'34'' 50°05'39''	281	1.6	UCAC4 332-132677	12.85	18 ^h 09 ^m 01.403 ^s -23°47'55.120''	11.1	209	130.1	-23.5	137.1	0.5	52.3	146
2017/08/14 20:22:06	51286 2000 KX15	7.6	18.34	5.22	127	0.8	37°50'18'' 49°29'49''	119	1.4	UCAC4 382-98866	13.13	18 ^h 05 ^m 45.123 ^s -13°42'12.063''	19.8	215	128.8	-23.8	138.1	1.3	52.4	162
2017/08/14 21:15:08	601 Nerthus	73.3	14.23	1.64	171	8.1	34°29'01'' 51°04'06''	311	7.9	UCAC4 429-83701	12.86	18 ^h 54 ^m 57.626 ^s -4°18'13.106''	28.1	220	138.8	-25.8	125.3	9.4	51.9	107
2017/08/14 21:37:38	6570 Tomo-hiro	12.6	17.33	3.62	105	1.2	37°04'33'' 49°15'31''	147	2.7	UCAC4 443-111463	13.75	19 ^h 33 ^m 52.699 ^s -1°35'38.146''	32.2	217	146.9	-26.0	115.4	12.9	51.8	137
2017/08/14 22:35:46	36294 2000 GSI52	6.9	17.70	3.92	132	0.6	36°39'34'' 48°53'04''	168	1.2	UNKNOWN UN- KNOWN	13.81	20 ^h 15 ^m 45.912 ^s 17°01'41.798''	46.9	233	142.8	-24.8	100.8	22.1	51.4	112
2017/08/15 18:40:24	217612 2008 TDI26	10.0	20.14	6.55	216	1.1	34°05'40'' 51°24'12''	314	0.9	UCAC4 411-78457	13.59	18 ^h 34 ^m 14.144 ^s -7°53'18.082''	32.2	183	133.9	-15.3	143.0	-16.0	41.8	404
2017/08/15 18:49:51	78795 2002 WN17	5.8	19.06	5.53	49	0.6	36°58'02'' 49°58'19''	100	1.4	UCAC4 302-263389	13.53	19 ^h 34 ^m 09.121 ^s -29°43'38.656''	9.8	171	146.7	-16.3	130.4	-15.1	41.7	160
2017/08/15 18:55:20	32238 2000 ON37	5.5	18.66	6.61	217	0.6	38°49'25'' 49°00'25''	123	0.5	UCAC4 417-120247	12.06	19 ^h 10 ^m 24.759 ^s -6°36'11.668''	33.5	176	142.3	-16.9	134.1	-14.5	41.7	148
2017/08/15 18:56:51	9757 Felixde-jager	6.9	17.32	3.98	128	0.7	35°40'44'' 51°07'58''	340	1.2	UCAC4 420-148122	13.36	22 ^h 52 ^m 08.169 ^s -6°00'17.864''	14.9	119	160.8	-17.1	80.7	-14.3	41.7	97
2017/08/15 22:18:42	228115 2008 TK76	6.9	21.08	7.36	205	0.7	37°29'28'' 48°22'44''	155	0.5	UCAC4 379-131968	13.72	18 ^h 51 ^m 18.516 ^s -14°23'00.515''	10.9	232	138.8	-25.7	142.3	13.3	40.0	543
2017/08/15 23:22:35	5001 EMP	11.5	15.62	2.14	239	1.6	37°36'45'' 48°04'60''	157	0.1	UCAC4 422-104793	13.64	19 ^h 00 ^m 33.670 ^s -5°38'24.890''	10.5	248	139.5	-22.3	138.8	23.2	39.5	88
2017/08/15 23:34:41	1098 Hakone	24.7	15.60	4.74	167	0.7	34°12'45'' 50°44'59''	298	3.5	UCAC4 625-24468	10.88	5 ^h 31 ^m 39.870 ^s 34°56'10.740''	27.0	67	59.7	-21.4	25.1	25.1	39.5	145
2017/08/15 23:52:37	33689 1999 JM126	7.6	18.14	6.71	105	0.8	35°16'11'' 50°44'11''	317	1.7	UCAC4 558-4348	11.43	2 ^h 09 ^m 45.673 ^s 21°26'22.420''	51.3	125	105.4	-19.8	30.9	27.9	39.4	129

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			
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}	
2017/08/15 23:57:42	3141 Buchar	36.0	16.97	5.12	90	1.0	35°25'10" 50°38'27"	317	6.7	UCAC4 604-35102	11.86	6 ^h 40 ^m 55.657 ^s 30°40'10.858"	17.2	62	44.7	-19.3	35.5	28.7	39.3	193	
2017/08/16 00:04:58	1368 Numidia	19.3	16.43	3.41	235	0.6	38°51'57" 48°46'03"	128	1.5	UCAC4 616-26129	13.06	5 ^h 41 ^m 54.290 ^s 33°09'42.490"	28.8	72	57.5	-18.6	25.3	29.8	39.2	153	
2017/08/16 18:01:23	9104 Matsuo	5.2	19.03	6.73	33	1.1	35°54'52" 50°13'39"	307	1.5	UCAC4 320-196321	12.30	18 ^h 37 ^m 49.233 ^s -26°07'52.252"	13.6	173	134.6	-10.8	156.6	-20.8	30.9	139	
2017/08/16 20:14:54	34440 SV46	2000	18.07	5.63	133	1.0	36°28'42" 48°51'35"	174	1.7	UCAC4 538-152678	12.45	23 ^h 40 ^m 30.075 ^s 17°29'36.005"	38.9	111	137.8	-24.0	77.3	-9.8	30.0	146	
2017/08/16 20:21:16	19995 VU8	1990	17.48	3.68	74	1.5	37°11'13" 49°43'34"	119	1.9	UCAC4 357-127136	13.84	18 ^h 14 ^m 19.072 ^s -18°44'01.914"	15.2	213	129.3	-24.4	164.7	-9.1	29.8	111	
2017/08/16 23:38:27	82469 OI20	2001	19.20	5.47	174	0.5	36°58'40" 48°33'12"	163	0.8	UCAC4 454-92035	13.74	19 ^h 22 ^m 38.855 ^s 0°40'42.869"	15.9	251	141.9	-21.3	143.8	18.5	28.4	185	
2017/08/16 23:43:57	3011 Chongqing	11.0	17.59	5.97	237	1.1	35°24'03" 52°05'60"	345	0.8	UCAC4 385-143747	11.62	19 ^h 31 ^m 52.826 ^s -13°09'50.000"	5.3	242	147.5	-20.9	147.3	19.3	28.4	141	
2017/08/17 02:16:52	8457 Billgo- lisch	6.0	17.37	6.57	78	0.5	37°14'58" 49°42'58"	118	1.8	UCAC4 400-135192	10.80	21 ^h 37 ^m 27.221 ^s -10°08'58.886"	3.6	250	176.1	-2.3	118.3	42.6	27.3	99	
2017/08/17 19:03:41	5095 Es- calante	8.8	16.07	2.35	143	1.2	38°16'22" 49°56'60"	94	1.1	UCAC4 391-96477	13.86	18 ^h 39 ^m 47.746 ^s -11°52'25.817"	27.8	190	134.0	-18.4	169.2	-19.3	20.2	89	
2017/08/17 22:42:31	29975 LQ32	1999	18.25	6.59	242	0.7	34°33'59" 51°56'02"	330	0.2	UCAC4 369-171412	11.66	19 ^h 35 ^m 46.245 ^s -16°21'18.699"	10.7	228	147.7	-25.4	160.8	2.3	18.8	117	
2017/08/17 23:38:52	1258 Sicilia	44.5	15.22	2.47	117	3.9	36°56'05" 49°05'06"	157	9.2	UCAC4 376-173294	12.87	20 ^h 46 ^m 59.754 ^s -14°49'15.316"	13.8	225	164.8	-21.6	144.2	10.3	18.5	121	
2017/08/17 23:52:33	10496 RK	1986	15.23	1.92	79	1.2	36°37'08" 49°22'19"	162	1.6	UCAC4 459-119853	13.51	21 ^h 15 ^m 47.587 ^s 1°43'30.154"	30.1	231	162.9	-20.4	131.8	12.4	18.3	57	
2017/08/18 18:18:42	46493 1032 T- 3	6.0	18.74	6.63	8	1.2	36°10'45" 50°02'44"	269	1.7	UCAC4 297-192999	12.12	18 ^h 27 ^m 39.685 ^s -30°43'32.256"	9.3	181	129.8	-13.6	165.7	-20.5	12.0	144	
2017/08/18 18:20:07	10890 AY2	1997	16.47	5.01	224	1.0	39°01'06" 49°05'30"	119	0.4	UCAC4 301-270757	11.47	21 ^h 00 ^m 42.569 ^s -29°58'58.692"	3.7	149	159.2	-13.8	151.9	-20.5	11.9	107	
2017/08/18 18:38:17	6045 RG9	1991	16.51	2.98	169	2.2	38°27'16" 50°40'27"	66	0.3	UCAC4 361-150823	13.60	18 ^h 29 ^m 59.404 ^s -17°52'07.524"	22.0	186	131.2	-15.9	171.1	-20.8	11.7	76	
2017/08/18 18:58:55	9590 DK1	1991	19.43	5.47	228	3.6	33°33'29" 51°08'21"	302	1.3	UCAC4 305-107274	13.97	17 ^h 00 ^m 28.843 ^s -29°04'22.371"	5.7	209	111.1	-18.2	149.7	-20.9	11.8	286	
2017/08/18 19:30:41	5140 Kida	15.8	16.64	2.76	218	2.2	38°52'08" 49°02'13"	121	1.3	UCAC4 394-93236	13.97	18 ^h 47 ^m 49.030 ^s -11°15'23.942"	27.6	196	135.0	-21.3	170.5	-20.4	11.5	140	
2017/08/18 19:40:33	433290 BW80	2013	20.63	7.23	167	0.7	38°18'44" 49°19'12"	119	0.7	UCAC4 359-132202	13.40	18 ^h 15 ^m 57.454 ^s -18°23'26.561"	18.3	205	127.8	-22.2	167.3	-20.2	11.5	391	
2017/08/18 22:12:17	21127 BF4	1993	16.68	2.78	30	0.5	36°37'17" 49°53'16"	127	2.3	UCAC4 364-184224	13.98	22 ^h 00 ^m 50.625 ^s -17°22'58.235"	22.5	187	175.0	-26.8	140.9	-9.1	10.7	81	
2017/08/18 23:06:13	33664 JK93	1999	18.04	4.69	13	0.8	36°06'06" 50°02'17"	266	1.9	UCAC4 439-73440	13.37	17 ^h 56 ^m 51.097 ^s -2°21'30.808"	3.9	262	120.7	-24.3	154.0	-2.7	10.4	118	

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	Dist	Alt	Phase (%)	σ_{km}
2017/08/18 23:44:07	54650 2000 SE315	8.3	17.94	4.61	105	0.7	36°46'42'' 50°56'11''	20	1.8 2.4	UCAC4 470-136712	13.35	23 ^h 39 ^m 50.346 ^s 3°56'07.780''	43.9	187	148.6	-21.4	112.0	2.4	10.3	139
2017/08/19 00:16:55	3814 Hoshi-no-mura	11.5	18.54	4.87	186	0.8	35°05'51'' 51°32'24''	333	1.5 2.7	UCAC4 540-7274	13.68	3 ^h 40 ^m 14.163 ^s 17°56'37.627''	40.9	113	89.0	-18.2	52.1	7.0	10.1	169
2017/08/19 00:51:39	7651 Vil-leneuve	7.6	16.40	3.80	154	0.8	37°35'07'' 48°57'21''	143	0.8 3.2	UCAC4 421-140973	12.63	22 ^h 28 ^m 42.901 ^s -5°57'47.172''	24.5	224	168.8	-14.3	133.0	12.0	9.9	94
2017/08/19 01:03:56	288 Glauke	32.2	15.78	2.81	109	0.9	35°14'17'' 50°45'28''	317	6.0 7.3	UCAC4 556-29521	13.06	6 ^h 30 ^m 47.566 ^s 21°00'44.699''	23.7	85	48.9	-12.7	12.5	13.9	9.9	175
2017/08/19 01:12:05	25897 2000 XZ32	6.9	17.12	5.24	32	1.1	36°44'19'' 50°03'50''	87	2.7 2.8	UCAC4 512-1775	11.89	1 ^h 09 ^m 49.694 ^s 12°21'16.156''	52.4	187	125.1	-11.7	89.0	15.1	9.9	99
2017/08/19 17:18:53	872 Holda	30.0	13.95	1.06	142	3.1	37°44'12'' 49°11'26''	133	4.2 12.5	UCAC4 405-127049	13.40	20 ^h 24 ^m 36.403 ^s -9°03'00.343''	20.7	135	157.4	-5.9	169.7	-14.6	5.6	96
2017/08/19 17:50:52	47934 2000 HU7	5.8	19.87	6.81	163	1.2	38°28'01'' 49°39'12''	106	0.8 1.2	UCAC4 266-107642	13.06	17 ^h 04 ^m 39.535 ^s -36°49'57.073''	2.1	193	111.3	-10.3	136.3	-17.3	5.6	200
2017/08/19 21:25:34	30481 2000 OX40	5.2	17.84	4.43	150	0.5	37°28'28'' 48°56'45''	145	0.8 1.6	UCAC4 442-123264	13.43	21 ^h 09 ^m 04.036 ^s -1°43'27.041''	37.9	191	164.1	-27.5	159.1	-19.5	4.7	128
2017/08/19 22:14:23	1251 Hedera	26.3	15.79	3.35	91	0.8	37°32'25'' 49°54'07''	100	5.3 6.0	UCAC4 542-19632	12.49	5 ^h 48 ^m 51.656 ^s 18°19'27.021''	2.5	64	59.7	-27.1	35.1	-16.0	4.5	174
2017/08/19 22:21:39	28595 2000 EP136	6.3	17.82	5.35	133	0.8	34°56'12'' 50°52'40''	314	1.1 2.0	UCAC4 345-192732	12.48	19 ^h 52 ^m 16.836 ^s -21°02'53.625''	9.8	219	149.2	-26.8	173.2	-15.3	4.5	123
2017/08/19 23:19:57	15480 1999 CB14	8.7	17.90	5.32	55	0.9	36°28'08'' 49°34'15''	166	2.3 2.5	UCAC4 359-194557	12.59	19 ^h 51 ^m 00.546 ^s -18°14'14.821''	5.4	233	149.2	-23.7	173.1	-9.4	4.3	138
2017/08/20 01:07:18	26471 Tracy-becker	6.9	15.04	1.60	36	1.0	35°51'02'' 49°52'42''	239	4.4 6.0	UCAC4 619-125711	13.73	22 ^h 03 ^m 14.224 ^s 33°44'11.522''	49.8	266	133.6	-12.6	123.5	4.5	4.0	46
2017/08/20 01:53:23	11503 1990 BF	6.0	17.87	4.72	44	1.5	35°44'38'' 50°14'09''	298	2.4 2.7	UCAC4 522-2512	13.17	1 ^h 35 ^m 14.181 ^s 14°20'13.483''	53.7	195	119.6	-6.3	97.2	11.2	3.9	90
2017/08/20 17:21:12	233918 2009 SU146	6.0	21.39	9.49	248	3.4	33°01'53'' 49°19'52''	251	0.5 0.5	UCAC4 305-141601	11.90	17 ^h 44 ^m 22.055 ^s -29°05'08.429''	11.0	180	118.8	-6.5	132.7	-10.9	1.5	448
2017/08/20 19:00:50	83475 2001 SL80	5.0	19.97	6.29	106	0.6	36°09'21'' 49°05'49''	185	0.8 0.9	UCAC4 268-137468	13.68	17 ^h 56 ^m 47.303 ^s -36°26'07.158''	1.5	197	120.7	-19.1	133.0	-20.6	1.3	216
2017/08/20 21:31:54	8478 1987 DO6	10.0	18.00	7.31	30	0.5	35°58'35'' 50°13'27''	312	2.8 2.8	UCAC4 592-10365	10.69	3 ^h 54 ^m 33.558 ^s 28°22'20.238''	21.4	71	85.4	-27.9	74.1	-24.2	1.0	142
2017/08/21 01:34:36	29413 1996 XE1	6.9	18.43	5.55	227	0.7	38°34'30'' 48°39'27''	133	0.5 2.0	UCAC4 587-5764	12.89	2 ^h 31 ^m 33.154 ^s 27°12'08.692''	66.5	161	103.4	-9.2	94.4	-1.9	0.7	137
2017/08/21 01:46:13	1087 Arabis	31.8	15.32	1.63	31	1.0	36°34'50'' 49°50'52''	137	8.0 8.1	UCAC4 595-22834	13.97	5 ^h 47 ^m 28.037 ^s 28°55'35.622''	44.3	96	60.9	-7.6	51.8	-0.3	0.6	155
2017/08/21 18:35:00	11287 1990 SX	9.1	17.67	4.91	134	1.5	34°25'16'' 50°12'00''	277	1.6 2.6	UCAC4 279-153697	12.77	18 ^h 01 ^m 38.515 ^s -34°20'05.052''	4.7	192	121.1	-16.5	121.3	-16.1	0.0	138
2017/08/21 18:36:25	3592 Nedbal	5.8	18.48	5.53	22	1.4	36°03'43'' 49°54'50''	227	1.9 1.9	UCAC4 269-148294	12.95	18 ^h 09 ^m 45.576 ^s -36°20'51.821''	2.9	191	122.4	-16.7	122.7	-16.2	0.0	120

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			
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}	
2017/08/21 18:39:06	3519 Am- biox	7.6	15.39	1.80	116	2.1	36°44'26" 49°03'05"	164	0.4	UCAC4 450-212	13.81	0 ^h 09 ^m 06.528 ^s 0° - 7°07.676"	8.9	101	146.6	-17.0	146.6	-16.5	0.0	51	
2017/08/21 18:55:05	49601 1999 FG22	6.6	18.38	5.18	161	0.9	34°09'49" 50°32'18"	290	1.0	UCAC4 402-106998	13.21	19 ^h 15 ^m 06.079 ^s -9°36'11.151"	30.5	182	138.7	-18.8	138.2	-18.3	0.0	148	
2017/08/21 20:02:13	4140 Bran- ham	34.7	15.80	2.01	186	7.8	34°01'01" 50°53'27"	300	2.6	UCAC4 344-178928	13.98	19 ^h 09 ^m 48.912 ^s -21°12'23.872"	16.8	199	137.5	-24.8	136.5	-24.4	0.0	102	
2017/08/21 20:22:27	47765 2000 DZ102	5.8	18.35	4.52	148	1.1	37°59'58" 49°18'48"	124	0.9	UCAC4 360-169452	13.85	18 ^h 41 ^m 25.940 ^s -18°03'27.658"	16.4	212	131.0	-26.1	129.7	-25.7	0.0	141	
2017/08/21 20:31:50	50975 2000 GQ91	5.5	18.49	4.52	228	1.2	38°53'22" 48°53'06"	125	0.4	UCAC4 327-180728	13.98	19 ^h 10 ^m 56.832 ^s -24°46'54.980"	11.6	205	137.3	-26.6	136.0	-26.2	0.0	147	
2017/08/22 16:42:31	49313 1998 VM18	6.6	17.25	5.35	239	0.8	34°21'55" 51°49'24"	325	0.1	UCAC4 539-149831	11.91	23 ^h 15 ^m 10.614 ^s 17°37'05.562"	13.0	78	146.1	-1.4	153.1	3.8	1.1	91	
2017/08/22 17:10:24	11321 Tosi- matumoto	9.1	17.72	6.54	252	1.2	39°43'53" 49°35'42"	102	0.5	UCAC4 279-116511	11.18	17 ^h 30 ^m 30.446 ^s -34°20'20.911"	5.7	182	113.8	-5.6	102.2	-0.6	1.1	144	
2017/08/22 18:33:40	27560 2000 JK81	5.2	18.13	4.67	30	1.3	35°53'14" 50°07'34"	287	1.4	UCAC4 368-158747	13.47	18 ^h 55 ^m 31.021 ^s -16°35'14.631"	23.5	182	133.4	-16.7	120.2	-12.7	1.3	147	
2017/08/22 21:02:56	103508 2000 BV1	9.1	20.21	6.22	157	1.1	34°44'27" 51°03'25"	315	1.1	UCAC4 352-167645	13.99	19 ^h 14 ^m 39.745 ^s -19°43'24.469"	13.9	213	137.8	-28.1	123.3	-28.9	1.6	296	
2017/08/22 21:21:46	7427 1992 VD	6.9	17.25	3.71	79	1.9	36°58'42" 49°29'38"	141	2.0	UCAC4 321-218300	13.58	19 ^h 30 ^m 04.772 ^s -25°49'15.372"	7.9	212	140.3	-28.5	126.0	-30.1	1.6	100	
2017/08/22 22:39:46	16314 1248 T- 1	6.9	18.30	4.36	128	0.5	37°10'28" 49°02'53"	150	1.3	UCAC4 430-119430	13.96	22 ^h 23 ^m 26.295 ^s -4°01'29.880"	35.1	194	171.5	-27.0	168.5	-32.4	1.8	139	
2017/08/22 23:30:35	585 Bilkis	58.1	14.43	1.68	163	5.7	35°20'54" 51°23'07"	336	5.3	UCAC4 398-129593	13.01	20 ^h 27 ^m 17.344 ^s -10°35'36.966"	13.6	234	155.4	-23.7	139.9	-31.5	1.9	91	
2017/08/23 00:14:23	6661 Ikemura	6.0	16.45	2.57	188	2.7	34°35'41" 51°21'18"	320	0.1	UCAC4 471-417	13.99	0 ^h 15 ^m 49.623 ^s 4°00'44.617"	43.7	190	144.6	-19.6	160.3	-29.1	2.0	67	
2017/08/23 01:08:23	8958 Stargazer	6.9	16.76	3.17	90	0.8	35°48'51" 50°48'00"	338	1.9	UCAC4 420-148545	13.65	23 ^h 06 ^m 21.822 ^s -6°04'52.302"	24.9	223	164.6	-13.2	178.0	-24.6	2.1	86	
2017/08/23 02:22:12	2567 Elba	24.5	17.71	4.66	66	0.7	36°23'24" 50°38'23"	6	4.1	UCAC4 535-38474	13.07	7 ^h 05 ^m 20.729 ^s 16°50'28.979"	30.2	100	44.5	-2.8	61.7	-16.1	2.3	229	
2017/08/23 16:34:43	77739 2001 OD85	5.0	19.22	5.29	90	0.7	37°24'23" 50°24'52"	63	1.0	UCAC4 294-186521	13.94	18 ^h 24 ^m 06.760 ^s -31°13'47.511"	7.1	164	124.3	-0.5	100.6	9.5	4.5	174	
2017/08/23 16:45:31	8354 1989 RF	10.5	17.50	4.05	210	1.6	34°25'48" 48°35'50"	219	0.9	UCAC4 360-99911	13.47	17 ^h 30 ^m 01.140 ^s -18°03'14.264"	22.0	177	112.2	-2.2	87.4	7.8	4.6	138	
2017/08/23 18:01:43	55334 2001 SU120	5.5	18.40	5.80	21	0.7	36°27'57" 49°53'47"	143	1.6	UCAC4 383-156360	12.61	20 ^h 18 ^m 40.667 ^s -13°30'54.668"	22.7	153	152.6	-13.0	127.3	-4.2	4.9	134	
2017/08/23 19:46:01	1302 Werre	21.9	15.90	3.72	125	1.8	35°13'35" 50°56'31"	323	4.2	UCAC4 352-184400	12.21	21 ^h 00 ^m 36.242 ^s -19°47'46.510"	19.7	170	161.1	-24.3	135.1	-19.5	5.2	135	
2017/08/23 20:30:45	5929 Man- zano	6.6	16.12	2.49	70	0.6	35°18'50" 50°04'58"	273	2.3	UCAC4 314-245391	13.75	20 ^h 41 ^m 51.143 ^s -27°14'25.514"	12.6	185	153.6	-27.2	128.4	-25.2	5.4	75	

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			
		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}	
2017/08/23 20:54:54	1796 Riga	73.8	15.32	2.16	57	6.9	35°30'17" 50°08'31"	281	20.2	UCAC4 489-468	13.32	0 ^h 18 ^m 35.709 ^s 7°36'26.808"	35.0	126	143.1	-28.2	167.3	-27.9	5.5	131	
2017/08/24 00:28:13	550 Senta	37.8	15.20	2.26	200	1.1	35°25'09" 51°45'22"	342	4.6	UCAC4 568-34832	13.08	6 ^h 53 ^m 47.818 ^s 23°24'04.279"	19.2	76	48.5	-18.3	77.1	-35.5	6.2	192	
2017/08/24 16:58:08	81935 OT29	5.5	18.45	5.11	93	0.5	36°16'15" 49°12'39"	181	1.3	UCAC4 403-132058	13.35	20 ^h 45 ^m 12.248 ^s -9°29'23.265"	17.7	130	158.1	-4.4	121.6	9.8	10.2	140	
2017/08/24 18:48:31	74433 BC13	5.8	19.37	6.09	30	1.2	36°38'51" 49°54'22"	121	1.3	UCAC4 314-164508	13.29	18 ^h 13 ^m 10.699 ^s -27°20'49.230"	11.0	197	121.3	-19.0	83.9	-7.6	10.6	179	
2017/08/24 19:21:03	79459 YS	5.8	18.40	5.71	150	0.6	37°03'22" 48°47'37"	158	0.9	UCAC4 388-141547	12.70	20 ^h 44 ^m 08.104 ^s -12°30'10.039"	26.8	168	157.9	-22.4	119.6	-12.6	10.9	132	
2017/08/24 20:39:48	4470 Sergeev-Censkij	18.3	16.59	3.32	142	2.9	34°36'34" 50°44'10"	303	2.5	UCAC4 442-320	13.32	0 ^h 14 ^m 17.441 ^s -1°39'37.085"	26.2	129	148.9	-28.0	172.1	-24.1	11.2	93	
2017/08/24 21:43:31	77759 PY36	6.0	18.27	5.03	66	0.8	35°25'03" 50°14'53"	290	1.6	UCAC4 394-746	13.25	0 ^h 39 ^m 07.369 ^s -11°18'15.014"	21.8	144	144.6	-29.2	167.7	-32.1	11.5	128	
2017/08/24 23:23:03	10357 SL3	8.7	16.03	4.13	87	1.3	35°17'17" 49°36'21"	235	2.3	UCAC4 471-2915	11.92	2 ^h 05 ^m 39.036 ^s 4°00'04.938"	37.2	140	120.7	-24.9	160.8	-40.2	11.9	73	
2017/08/25 18:16:27	109582 QL275	6.6	17.94	4.23	76	0.6	36°21'33" 50°43'30"	4	1.5	UCAC4 438-115773	13.73	20 ^h 41 ^m 44.089 ^s -2°24'53.310"	33.2	149	154.8	-15.5	108.1	1.4	17.7	159	
2017/08/25 18:24:44	39973 HX	6.0	17.14	3.68	45	2.2	35°42'56" 49°52'28"	245	2.4	UCAC4 330-171573	13.50	18 ^h 41 ^m 01.430 ^s -24°04'50.498"	15.8	186	126.8	-16.6	77.2	0.1	17.9	90	
2017/08/25 18:38:02	47432 XT175	5.0	18.78	5.78	84	1.5	35°06'34" 50°03'26"	271	1.1	UCAC4 289-186998	13.01	18 ^h 36 ^m 10.801 ^s -32°14'31.573"	7.2	189	124.7	-18.2	76.7	-2.0	17.7	148	
2017/08/25 19:14:52	55256 RZ119	5.5	19.44	5.55	218	1.9	38°53'58" 49°04'02"	120	0.6	UCAC4 342-156051	13.90	18 ^h 36 ^m 07.925 ^s -21°43'36.607"	16.1	200	125.8	-22.2	75.5	-7.8	18.2	175	
2017/08/25 19:47:25	2461 Clavel	24.1	15.93	2.97	126	4.4	37°28'12" 49°12'46"	138	4.6	UCAC4 343-197342	13.03	20 ^h 02 ^m 14.875 ^s -21°24'43.879"	18.4	187	145.7	-25.1	95.4	-12.9	18.3	112	
2017/08/25 22:14:20	2214 Carol	25.2	16.99	3.66	66	1.7	36°34'41" 49°28'58"	162	6.8	UCAC4 511-6205	13.36	3 ^h 54 ^m 27.835 ^s 12°11'42.160"	19.4	94	93.5	-29.0	145.2	-34.1	19.1	129	
2017/08/26 00:14:37	18108 NT5	10.5	17.21	5.15	37	0.5	35°57'00" 50°17'58"	319	3.1	UCAC4 603-13955	12.07	4 ^h 31 ^m 02.021 ^s 30°27'51.583"	46.0	96	82.1	-20.4	132.7	-44.7	19.8	129	
2017/08/26 01:18:57	2307 Garuda	41.2	15.57	2.32	60	3.4	36°18'19" 50°35'19"	1	12.2	UCAC4 452-121188	13.39	22 ^h 04 ^m 40.152 ^s 0°17'40.466"	19.4	246	168.7	-12.6	125.3	-45.6	20.1	118	
2017/08/26 01:57:12	5782 Akirafujiwara	5.5	16.84	6.27	217	0.7	36°30'59" 48°06'03"	176	0.0	UCAC4 483-140150	10.58	23 ^h 21 ^m 57.160 ^s 6°30'32.679"	30.1	241	156.9	-7.2	144.7	-44.3	20.4	71	
2017/08/26 17:52:22	49461 AK5	7.9	17.78	6.27	208	0.7	34°00'40" 48°54'38"	232	0.7	UCAC4 298-242914	11.51	21 ^h 11 ^m 41.446 ^s -30°35'56.034"	2.6	148	153.9	-12.7	97.7	8.8	25.9	138	
2017/08/26 19:15:10	3913 Chemin	9.1	16.37	3.49	177	0.6	38°45'36" 50°07'14"	87	0.6	UCAC4 405-135259	12.93	22 ^h 50 ^m 55.370 ^s -9°00'52.933"	20.5	135	172.7	-22.5	125.5	-3.8	26.5	88	
2017/08/26 21:23:57	36673 QG221	5.0	18.18	5.67	173	0.9	34°31'19" 51°07'27"	314	0.6	UCAC4 347-167153	12.52	19 ^h 03 ^m 38.144 ^s -20°38'12.473"	8.3	223	131.2	-29.9	68.4	-24.0	27.3	123	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 11		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 (%)	σ_{km}
2017/08/26 22:56:42	3259 Brown-lee	37.5	15.38	2.24	268	2.8	35°16'36" 52°21'60"	344	1.6	UCAC4 527-148128	13.29	22 ^h 51 ^m 35.413 ^s 15°21'48.134"	54.0	201	153.4	-27.4	127.5	-37.2	27.8	137
2017/08/26 23:15:11	27198 1999 CR66	5.2	19.23	5.57	47	0.6	36°05'29" 50°26'49"	343	1.3	UCAC4 397-119387	13.66	19 ^h 50 ^m 25.858 ^s -10°39'42.777"	8.5	242	142.7	-26.1	79.5	-39.5	28.0	148
2017/08/26 23:53:40	22697 Manek	6.9	17.82	4.11	83	0.5	36°42'02" 49°21'22"	159	1.9	UCAC4 503-147006	13.73	22 ^h 30 ^m 53.868 ^s 10°26'14.311"	42.4	225	159.3	-22.8	121.8	-43.7	28.2	112
2017/08/27 02:09:04	25847 2000 EV97	8.7	18.90	6.55	198	0.6	37°27'02" 48°26'11"	155	1.1	UCAC4 539-8274	12.35	4 ^h 10 ^m 21.204 ^s 17°46'55.964"	54.7	149	89.8	-5.7	154.7	-49.4	29.0	179
2017/08/27 18:49:14	370 Modestia	24.2	13.91	1.24	40	9.2	36°41'03" 50°18'02"	45	11.2	UCAC4 364-171133	13.09	19 ^h 33 ^m 10.918 ^s -17°18'03.098"	22.8	182	137.6	-20.1	64.9	4.2	35.3	74
2017/08/27 20:51:21	51184 2000 HQ78	5.5	18.39	5.28	232	0.8	37°49'46" 48°13'25"	151	0.4	UCAC4 407-127578	13.12	20 ^h 09 ^m 14.815 ^s -8°38'33.362"	28.1	206	146.4	-29.5	73.6	-14.5	36.2	133
2017/08/27 23:10:02	34883 2001 UQ94	5.8	18.63	6.77	57	0.5	35°34'04" 50°15'55"	295	1.3	UCAC4 295-818	11.86	0 ^h 45 ^m 07.300 ^s -31°02'39.376"	8.4	170	141.3	-26.8	123.6	-35.8	37.1	167
2017/08/28 00:34:50	13360 1998 UD8	9.1	16.80	3.88	197	0.9	37°45'38" 48°33'54"	147	0.5	UCAC4 406-141540	12.95	23 ^h 25 ^m 28.660 ^s -8°54'24.674"	25.6	213	165.3	-18.7	118.6	-46.5	37.6	100
2017/08/28 19:36:28	3927 Felici-aplatt	5.2	16.98	3.53	28	0.9	36°03'37" 50°15'19"	325	2.5	UCAC4 346-144868	13.50	18 ^h 28 ^m 59.744 ^s -20°55'05.343"	14.2	209	121.3	-25.2	37.2	1.5	45.1	79
2017/08/28 19:49:06	222861 2002 EZ134	9.1	20.67	10.56	191	2.6	33°37'14" 50°13'44"	276	0.6	UCAC4 298-134519	10.11	17 ^h 48 ^m 40.802 ^s -30°25'07.476"	0.8	217	111.9	-26.3	30.6	-0.3	45.0	536
2017/08/28 20:02:40	41358 2000 AJ54	7.9	17.57	4.87	92	2.0	37°32'35" 50°13'29"	78	2.0	UCAC4 350-177806	12.71	19 ^h 27 ^m 16.605 ^s -20°10'39.284"	17.2	202	134.9	-27.3	50.6	-2.3	45.2	120
2017/08/28 20:18:53	10813 Mas-terby	10.0	17.99	4.35	211	0.8	38°33'21" 48°51'05"	129	1.0	UCAC4 460-71676	13.66	17 ^h 57 ^m 42.250 ^s 1°55'26.815"	18.0	251	111.4	-30.5	34.2	-13.9	45.8	152
2017/08/28 22:23:10	15761 Schumi	7.6	16.95	3.99	165	0.6	37°43'13" 48°53'27"	141	0.7	UCAC4 433-119451	12.99	21 ^h 58 ^m 02.682 ^s -3°31'26.209"	33.9	204	170.2	-29.7	88.5	-24.0	46.3	94
2017/08/28 23:51:18	11292 Bun-jisuzuki	6.9	18.19	4.48	202	0.6	33°57'32" 51°05'33"	305	0.6	UCAC4 425-110	13.73	0 ^h 05 ^m 32.164 ^s -5°09'25.029"	34.3	192	155.9	-23.7	117.7	-37.5	46.8	124
2017/08/29 01:36:24	10337 1991 RO1	9.5	15.75	2.68	206	1.2	36°34'55" 48°12'23"	174	0.3	UCAC4 442-128912	13.17	23 ^h 16 ^m 25.263 ^s -1°40'10.641"	23.7	235	166.1	-10.9	106.3	-50.7	47.6	86
2017/08/29 01:39:24	24384 2000 AR171	6.6	16.51	2.65	72	1.3	36°42'36" 49°27'25"	155	2.2	UCAC4 486-139966	13.95	23 ^h 52 ^m 29.695 ^s 7°02'30.366"	35.5	232	153.7	-10.5	117.2	-50.9	47.6	81
2017/08/29 16:30:30	49533 1999 CN54	6.9	18.53	5.66	53	1.2	37°00'14" 50°11'05"	73	1.8	UCAC4 382-126423	12.88	18 ^h 51 ^m 17.278 ^s -13°45'07.517"	23.8	158	125.8	-1.8	32.4	22.3	53.5	143
2017/08/29 16:41:06	51839 2001 OF65	5.8	18.99	5.64	90	1.1	37°32'07" 50°10'45"	81	1.2	UCAC4 262-175686	13.35	18 ^h 39 ^m 49.891 ^s -37°39'05.348"	1.4	168	120.7	-3.4	34.1	21.8	53.4	167
2017/08/29 16:51:09	16410 1986 QU2	6.9	18.17	4.44	165	1.3	38°17'59" 49°19'60"	119	1.0	UCAC4 310-167349	13.75	18 ^h 07 ^m 59.933 ^s -28°04'16.663"	11.9	176	115.4	-4.9	23.7	21.3	53.5	134
2017/08/29 16:57:58	27655 1968 OK	5.8	17.07	3.67	33	2.2	35°49'24" 50°00'48"	263	2.3	UCAC4 395-95680	13.44	18 ^h 49 ^m 54.172 ^s -11°11'22.073"	27.8	165	125.4	-6.0	32.8	21.0	53.4	93

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 12		LinOccult 2.3.0			
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 (%)
2017/08/29 17:01:54	15753 DD10	6.9	18.73	6.75	114	0.9	35°28'20" 49°10'06"	211	1.4	UCAC4 359-107553	11.98	17 ^h 39 ^m 52.429 ^s −18°23'17.935"	21.6	185	108.8	-6.5	14.8	20.8	53.6	155
2017/08/29 19:51:51	602 Marianna	124.7	13.02	0.82	96	17.3	37°25'59" 49°36'37"	121	30.7	UCAC4 281-204194	12.89	18 ^h 54 ^m 27.399 ^s −33°56'59.888"	2.3	204	124.3	-26.9	33.8	3.9	54.7	108
2017/08/29 20:29:51	1596 Itzig- sohn	49.6	14.66	1.87	235	4.6	34°43'38" 51°55'03"	332	0.7	UCAC4 506-143818	13.00	22 ^h 10 ^m 40.677 ^s 11°05'14.907"	50.3	164	159.0	-29.3	85.3	-1.4	55.0	88
2017/08/29 21:30:27	27523 HC31	2000	17.70	3.78	249	0.7	38°53'05" 48°35'09"	131	0.2	UCAC4 386-147058	13.96	20 ^h 51 ^m 12.658 ^s −12°52'04.566"	23.7	206	154.8	-31.0	58.8	-10.3	55.4	119
2017/08/29 23:26:52	56924 R120	2000	17.95	6.60	32	0.5	36°30'33" 49°47'53"	150	1.7	UCAC4 449-132451	11.36	21 ^h 29 ^m 01.685 ^s 0° − 22'14.424"	27.3	231	161.8	-26.2	70.3	-28.4	56.2	134
2017/08/30 16:56:23	61226 OR13	2000	18.37	5.34	238	0.6	33°04'02" 50°39'18"	286	0.6	UCAC4 302-124425	13.04	17 ^h 17 ^m 00.797 ^s −29°46'17.192"	9.8	189	103.3	-6.1	11.5	21.2	62.9	160
2017/08/30 17:29:43	30331 JT26	2000	17.52	6.36	50	0.8	35°48'44" 49°42'59"	223	1.9	UCAC4 312-255304	11.17	21 ^h 16 ^m 45.170 ^s −27°46'10.903"	4.1	144	153.4	-10.9	52.9	20.1	63.1	122
2017/08/30 19:29:00	47127 CJ103	1999	18.93	6.82	241	1.5	35°42'56" 52°11'13"	350	0.6	UCAC4 382-143520	12.11	19 ^h 20 ^m 08.583 ^s −13°41'31.508"	24.5	199	131.7	-25.3	26.3	10.9	63.9	167
2017/08/31 00:18:13	50239 BW3	2000	16.77	4.30	36	0.6	36°03'59" 50°20'05"	334	2.4	UCAC4 386-152935	12.49	23 ^h 21 ^m 05.006 ^s −12°50'59.737"	22.0	212	168.4	-21.4	80.9	-30.1	65.8	78
2017/08/31 00:31:38	18029 KA16	1999	17.01	3.52	125	0.6	36°45'55" 48°58'10"	164	0.8	UCAC4 537-147399	13.53	23 ^h 27 ^m 12.995 ^s 17°14'13.327"	48.6	229	151.2	-19.9	92.0	-32.2	65.8	76
2017/08/31 00:35:46	4110 Keats	25.3	15.83	2.48	155	2.2	37°07'07" 48°45'43"	157	3.3	UCAC4 414-142260	13.47	22 ^h 30 ^m 42.026 ^s −7°16'56.432"	19.8	230	177.9	-19.4	70.6	-32.8	65.9	106
2017/08/31 01:00:23	26387 TG2	1999	17.17	5.62	51	0.7	36°21'57" 49°35'21"	174	2.8	UCAC4 354-191825	11.56	22 ^h 00 ^m 12.936 ^s −19°14'08.779"	2.6	236	166.2	-16.3	60.2	-36.6	66.0	114
2017/08/31 02:26:25	3414 Cham- pollion	5.8	17.29	7.96	192	1.3	37°50'34" 48°39'19"	144	0.1	UCAC4 511-3561	9.33	2 ^h 20 ^m 24.068 ^s 12°10'21.978"	49.8	207	120.8	-4.0	130.1	-48.8	66.4	73
2017/08/31 18:10:34	32856 SA25	1992	17.35	3.54	190	0.8	33°38'48" 49°51'55"	264	0.3	UCAC4 429-81938	13.86	18 ^h 49 ^m 42.139 ^s −4°23'09.299"	35.4	188	122.8	-16.8	16.6	19.7	72.3	92
2017/08/31 18:24:49	757 Port- landia	32.1	14.62	2.44	118	6.6	37°52'30" 49°46'21"	105	6.3	UCAC4 280-192434	12.31	18 ^h 28 ^m 42.909 ^s −34°09'32.867"	4.8	193	117.2	-18.6	15.0	19.1	72.2	96
2017/08/31 18:57:31	67451 QR168	2000	19.12	5.48	151	0.9	34°13'20" 50°22'26"	284	0.8	UCAC4 293-203554	13.65	18 ^h 37 ^m 56.753 ^s −31°28'36.351"	6.4	198	119.5	-22.5	12.8	17.2	72.4	152
2017/08/31 19:47:00	40333 NO1	1999	18.01	5.11	52	0.8	36°10'27" 50°30'21"	351	2.2	UCAC4 677-2332	12.91	0 ^h 24 ^m 40.073 ^s 45°12'58.522"	54.7	77	121.3	-27.2	104.0	13.3	72.8	125
2017/08/31 19:54:09	34781 RK63	2001	18.23	6.68	196	0.6	33°43'55" 50°43'35"	292	0.8	UCAC4 433-99624	11.55	19 ^h 24 ^m 30.360 ^s −3°35'57.459"	32.7	209	131.2	-27.8	21.7	12.6	72.9	146
2017/08/31 20:18:19	5213 Taka- hashi	2000	17.97	6.21	253	1.1	35°39'44" 47°48'57"	190	0.8	UCAC4 388-78621	11.77	17 ^h 18 ^m 58.578 ^s −12°30'52.488"	7.8	240	101.3	-29.4	17.1	10.1	73.0	158
2017/08/31 23:36:04	2542 Calpur- nia	27.6	17.75	3.84	151	1.0	35°12'36" 51°13'17"	330	4.3	UCAC4 547-22559	13.94	6 ^h 05 ^m 16.370 ^s 19°22'24.971"	20.7	84	67.3	-26.0	173.9	-16.5	74.2	176

