

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 2.2.0 BETA
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 151

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1			Page 1			LinOccult 2.2.0 BETA		
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}	
2015/10/01 00:30:22	1732 Heike	24.1	17.09	5.27	104	0.6	37°43'54" 50°11'45"	81	2.9 3.1	UCAC2 35212757	11.83	9 ^h 50 ^m 28.627 ^s 9°39'05.519"	4.6	81	40.9	-28.8	98.2	53.2	87.8	308	
2015/10/01 15:18:58	2091 Sampo	30.5	16.23	4.42	184	1.9	37°28'10" 51°31'29"	27	3.8 5.3	UCAC2 22548904	11.83	18 ^h 30 ^m 56.310 ^s -23°28'52.374"	16.6	178	89.2	-1.6	139.6	-15.9	82.7	231	
2015/10/01 17:15:42	18719 HH138	6.6	18.27	7.56	44	0.7	36°41'47" 50°20'35"	42	1.4 1.4	TYC 697100881	10.72	22 ^h 57 ^m 01.299 ^s -23°17'34.258"	9.0	144	145.2	-20.1	80.8	-1.5	82.1	189	
2015/10/01 20:34:56	7579 TN1	6.0	16.27	5.56	109	0.6	36°25'41" 49°04'21"	175	1.3 2.7	TYC 225000888	10.72	23 ^h 37 ^m 24.259 ^s 24°22'08.827"	64.6	182	155.3	-42.2	60.8	28.9	80.8	91	
2015/10/02 00:52:19	7043 Godart	7.9	16.13	7.65	81	1.1	36°58'01" 49°27'52"	143	1.9 5.8	HIP 12407	8.48	2 ^h 39 ^m 45.722 ^s 8°12'10.100"	45.2	208	147.5	-26.0	22.6	56.2	79.1	55	
2015/10/03 01:17:02	1939 Loretta	30.0	17.21	4.31	56	1.0	36°48'15" 49°40'34"	138	4.3 4.4	UCAC2 38253803	12.92	8 ^h 54 ^m 53.106 ^s 18°12'27.286"	28.8	96	58.3	-22.7	54.5	57.0	69.1	271	
2015/10/03 01:56:09	28029 DW9	11.5	18.06	4.52	151	0.7	36°35'28" 51°23'19"	8	1.6 2.0	UCAC2 39125688	13.56	6 ^h 48 ^m 01.386 ^s 20°50'23.715"	54.8	137	88.1	-16.7	24.2	57.8	68.9	229	
2015/10/03 01:57:19	347 Pariana	51.3	14.04	1.87	237	2.0	37°17'23" 48°01'38"	162	4.9 11.1	UCAC2 39661416	12.38	7 ^h 43 ^m 37.681 ^s 22°22'30.954"	49.1	118	75.5	-16.6	37.1	57.8	68.9	184	
2015/10/03 03:18:26	314 Rosalia	56.8	15.58	3.81	99	3.2	35°40'26" 49°15'15"	206	9.5 10.6	UCAC2 35184206	11.80	6 ^h 55 ^m 22.864 ^s 9°49'33.742"	49.6	170	85.5	-3.6	26.8	54.1	68.3	213	
2015/10/03 19:47:03	41361 AO76	6.9	18.39	6.37	77	0.7	37°13'23" 50°23'33"	60	1.4 1.5	TYC 72400607	12.02	5 ^h 52 ^m 35.731 ^s 13°05'26.651"	1.9	72	101.7	-39.8	5.1	6.4	61.1	185	
2015/10/03 21:22:14	25332 KK6	5.8	16.44	4.48	116	0.6	35°30'55" 49°08'03"	208	1.0 2.8	UCAC2 39435840	11.98	4 ^h 21 ^m 57.407 ^s 21°46'54.853"	38.0	101	122.8	-44.2	21.6	20.8	60.4	82	
2015/10/04 00:24:46	5186 Donalu	14.5	15.40	2.67	27	1.7	36°02'27" 49°51'44"	220	4.0 4.1	UCAC2 43909244	12.83	2 ^h 15 ^m 06.876 ^s 34°37'38.898"	68.4	233	141.9	-30.4	52.1	47.8	59.1	142	
2015/10/04 00:59:48	21557 Daniel- litt	12.6	17.97	5.26	102	0.8	36°35'34" 49°09'21"	168	2.0 2.2	UCAC2 41353948	12.72	7 ^h 02 ^m 05.855 ^s 27°07'47.001"	50.9	110	86.5	-25.5	16.8	51.8	58.9	227	
2015/10/04 15:33:22	6408 Saijo	11.0	17.77	7.53	208	0.6	35°47'01" 51°53'13"	350	1.2 1.7	TYC 627802308	10.24	18 ^h 28 ^m 46.907 ^s -21°38'14.397"	18.3	185	85.8	-5.0	176.1	-22.1	52.5	261	
2015/10/04 17:06:44	42538 WZ7	5.2	18.06	7.56	126	0.6	35°52'30" 51°08'50"	346	1.0 1.6	UCAC2 28282667	10.50	19 ^h 58 ^m 03.562 ^s -10°00'27.661"	29.8	187	108.3	-19.8	158.9	-18.2	51.9	134	
2015/10/04 17:57:04	23025 WR9	10.5	18.78	4.91	85	0.6	37°08'24" 49°31'06"	134	1.5 1.5	UCAC2 22980550	13.88	18 ^h 26 ^m 39.431 ^s -22°10'45.416"	8.9	219	85.2	-27.3	174.7	-14.1	51.5	272	
2015/10/04 19:53:01	22006 XP51	6.3	19.31	9.59	14	1.7	36°07'11" 50°07'09"	304	1.2 1.2	TYC 184600935	9.72	5 ^h 14 ^m 55.968 ^s 23°56'12.549"	17.5	73	111.3	-40.7	21.7	-0.4	50.6	214	
2015/10/04 20:33:14	4816 Connelly	9.5	17.28	5.47	190	0.6	34°18'13" 51°11'57"	312	1.2 2.3	UCAC2 41009641	11.82	7 ^h 02 ^m 49.695 ^s 26°26'40.732"	9.4	60	87.0	-43.3	9.6	5.2	50.3	164	
2015/10/05 03:35:33	2326 Tololo	40.9	16.49	4.04	184	1.0	36°06'28" 51°42'02"	356	4.9 6.2	UCAC2 34109837	12.48	10 ^h 30 ^m 19.668 ^s 6°53'54.621"	28.0	115	34.7	-1.4	52.1	57.6	47.3	262	
2015/10/05 17:22:50	6574 ani	17.4	17.83	4.15	132	1.8	35°01'50" 50°55'44"	318	2.3 2.7	UCAC2 45780581	13.70	4 ^h 00 ^m 35.873 ^s 40°15'07.989"	19.5	50	123.3	-22.6	50.9	-21.4	41.6	261	

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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}		
2015/10/05 22:58:00	44443 1998 UY19	13.2	18.15	5.31	191	1.4	36°57'29" 51°42'53"	15	1.6	UCAC2 37676390	12.85	5 ^h 55 ^m 19.382 ^s 16°56'35.445"	36.0	108	103.2	-40.6	25.9	18.4	39.2	240		
2015/10/06 02:14:39	38623 2000 AQ233	6.9	17.87	4.81	166	0.6	37°01'45" 48°38'12"	161	1.0	TYC 4300829	13.07	2 ^h 00 ^m 27.750 ^s 5°46'25.262"	26.9	245	161.3	-14.6	86.1	47.0	37.8	168		
2015/10/06 03:04:12	86170 1999 RJ210	6.0	18.65	7.74	224	0.7	35°11'14" 51°56'04"	339	0.6	TYC 241101424	10.91	5 ^h 30 ^m 50.729 ^s 34°30'37.771"	71.6	219	108.1	-6.7	36.6	52.1	37.6	196		
2015/10/06 18:52:41	1313 Berna	15.8	16.08	5.85	141	1.8	35°02'41" 51°02'01"	321	2.7	TYC 575000017	10.24	19 ^h 55 ^m 22.929 ^s -14°27'21.892"	18.4	217	105.0	-35.4	172.8	-20.8	31.4	147		
2015/10/06 18:52:58	11513 1991 CE1	10.5	18.38	5.95	65	0.6	36°56'07" 49°38'34"	134	1.7	UCAC2 25403377	12.43	18 ^h 47 ^m 01.810 ^s -17°16'46.230"	8.3	230	88.3	-35.4	156.2	-20.8	31.3	240		
2015/10/06 22:40:34	5405 Never-land	10.5	18.50	5.86	132	0.7	37°41'36" 49°17'06"	130	1.2	UCAC2 43261430	12.65	7 ^h 08 ^m 18.632 ^s 32°52'43.660"	33.5	77	88.7	-42.4	26.8	6.7	29.9	334		
2015/10/06 22:40:34	5405 Never-land	10.5	18.50	6.04	132	0.7	37°41'36" 49°17'06"	130	1.2	TYC 244201274	12.47	7 ^h 08 ^m 18.632 ^s 32°52'43.660"	33.5	77	88.7	-42.4	26.8	6.7	29.9	334		
2015/10/06 22:59:20	213 Lilaea	83.0	14.14	1.56	145	12.3	36°31'19" 48°45'01"	173	12.9	UCAC2 37855163	12.88	5 ^h 54 ^m 34.769 ^s 17°14'45.283"	37.2	109	104.4	-40.9	38.5	9.6	29.7	193		
2015/10/07 02:29:00	31761 1999 JO103	6.3	17.71	6.18	148	0.6	36°48'09" 51°20'27"	14	1.0	TYC 72400239	11.54	5 ^h 54 ^m 57.367 ^s 13°04'03.604"	53.3	180	104.3	-12.5	40.4	40.9	28.5	146		
2015/10/07 02:54:28	3904 Honda	16.6	15.65	2.82	37	2.1	36°35'38" 49°46'40"	144	4.7	UCAC2 46533815	12.91	5 ^h 02 ^m 05.059 ^s 42°34'34.264"	74.6	249	113.0	-8.5	55.0	44.1	28.3	136		
2015/10/07 21:32:47	2035 Stearns	10.0	16.83	7.17	46	0.6	36°54'24" 49°55'31"	107	2.7	TYC 135600521	9.67	7 ^h 02 ^m 29.243 ^s 22°07'30.272"	16.8	75	89.6	-45.6	34.3	-11.4	21.8	137		
2015/10/07 22:13:07	3979 Brorsen	19.2	16.79	4.69	143	2.2	37°04'57" 48°52'25"	156	3.2	UCAC2 29941040	12.12	23 ^h 00 ^m 37.043 ^s -5°34'30.245"	24.3	225	150.1	-44.4	154.7	-6.1	21.5	172		
2015/10/07 23:00:23	45487 2000 AR237	7.6	16.48	5.31	165	1.0	37°26'51" 51°20'08"	30	1.0	TYC 232701917	11.18	2 ^h 27 ^m 31.133 ^s 33°25'45.753"	73.7	182	144.3	-41.1	94.7	0.7	21.3	122		
2015/10/07 23:51:12	33778 1999 RO160	7.9	17.66	6.43	236	0.6	36°13'28" 52°09'47"	359	0.7	TYC 120601461	11.23	1 ^h 56 ^m 00.198 ^s 15°28'20.919"	51.5	214	161.5	-35.8	107.6	8.4	21.0	168		
2015/10/08 00:21:50	476 Hedwig	116.8	14.30	1.61	137	3.2	37°44'40" 50°51'19"	49	16.0	UCAC2 34842163	12.97	9 ^h 51 ^m 33.286 ^s 8°47'37.162"	6.9	84	47.3	-31.9	6.9	13.1	20.8	249		
2015/10/08 00:28:06	3914 Kotogahama	15.8	17.79	5.26	164	0.5	35°30'28" 51°26'21"	340	2.0	UCAC2 38972496	12.54	9 ^h 07 ^m 32.580 ^s 20°05'32.518"	23.4	86	60.9	-31.0	9.7	14.1	20.8	268		
2015/10/08 01:23:33	73363 2002 KG6	9.1	18.59	7.30	104	0.7	36°01'54" 49°07'56"	190	1.4	TYC 190300669	11.29	6 ^h 59 ^m 16.810 ^s 26°23'41.873"	56.5	123	91.0	-23.0	38.0	22.6	20.5	237		
2015/10/08 01:47:40	7868 Barker	19.4	16.82	4.43	102	3.2	34°51'41" 50°02'19"	269	4.3	UCAC2 42886868	12.41	4 ^h 30 ^m 22.537 ^s 31°42'48.479"	69.8	210	122.9	-19.3	70.9	26.3	20.4	134		
2015/10/08 01:54:44	3526 Jeffbell	24.7	17.85	4.11	246	2.1	37°49'50" 48°04'54"	153	2.4	UCAC2 41865185	13.77	6 ^h 32 ^m 51.576 ^s 28°42'44.683"	65.4	143	97.0	-18.2	44.5	27.3	20.3	289		
2015/10/08 19:39:55	352 Gisela	20.3	11.58	0.85	199	3.3	38°10'59" 48°45'17"	137	0.2	TYC 59500360	11.39	0 ^h 13 ^m 37.984 ^s 7°58'29.308"	46.3	158	169.5	-41.1	143.4	-29.2	14.9	69		

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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}
2015/10/08 21:35:15	26206 PJ4	11.5	15.62	2.12	224	1.2	37°14'32" 48°08'22"	162	0.8	UCAC2 41478917	13.67	0 ^h 44 ^m 45.080 ^s 27°59'36.750"	67.7	194	157.7	-46.0	127.0	-19.3	14.4	129
2015/10/08 23:11:04	1477 Bons-dorffia	28.1	16.22	2.94	33	6.0	36°24'11" 50°19'51"	15	6.7	UCAC2 30617444	13.35	21 ^h 51 ^m 23.646 ^s −3°44'47.535"	7.6	255	133.0	-40.4	173.3	-6.7	13.9	164
2015/10/09 02:22:59	116 Sirona	71.7	12.94	0.77	173	3.5	36°03'49" 51°35'35"	355	10.0	UCAC2 40010221	12.91	7 ^h 30 ^m 20.584 ^s 23°21'53.998"	58.0	137	84.6	-14.0	42.6	22.4	13.1	180
2015/10/09 02:24:16	4874 Burke	12.0	16.72	4.10	192	0.7	36°46'47" 51°44'23"	11	1.5	UCAC2 35182430	12.64	6 ^h 51 ^m 57.749 ^s 9°52'23.076"	48.6	160	92.1	-13.8	50.5	22.6	13.1	191
2015/10/09 02:24:16	4874 Burke	12.0	16.72	4.79	192	0.7	36°46'47" 51°44'23"	11	1.5	TYC 75101210	11.94	6 ^h 51 ^m 57.749 ^s 9°52'23.076"	48.6	160	92.1	-13.8	50.5	22.6	13.1	191
2015/10/09 16:41:09	24414 A.J246	9.1	16.70	5.28	39	1.1	36°32'19" 49°44'23"	152	2.7	TYC 234600779	11.43	3 ^h 35 ^m 37.509 ^s 32°27'04.846"	13.4	55	135.0	-17.6	100.8	-25.8	9.5	131
2015/10/09 19:12:00	2932 Kem-pchinsky	48.7	16.65	3.30	153	6.4	37°44'21" 49°02'53"	137	7.3	UCAC2 37303328	13.40	3 ^h 21 ^m 08.802 ^s 15°54'54.401"	26.3	96	143.8	-38.7	109.1	-34.5	8.9	195
2015/10/09 21:29:21	7615 TAI1	5.5	18.12	6.07	70	0.6	36°47'43" 49°30'31"	149	1.4	TYC 132200093	12.05	6 ^h 09 ^m 00.477 ^s 20°35'01.398"	24.9	87	103.9	-46.4	70.4	-27.6	8.4	136
2015/10/10 21:42:15	289 Nenetta	33.7	14.32	1.81	120	2.7	36°49'49" 49°01'44"	161	6.3	UCAC2 37334657	12.74	6 ^h 36 ^m 37.440 ^s 15°43'22.432"	19.6	89	98.1	-46.6	75.6	-33.7	3.9	160
2015/10/10 23:55:27	47034 1998 VP54	6.0	19.21	9.36	243	0.8	36°06'07" 47°52'15"	183	0.6	TYC 187200344	9.85	6 ^h 05 ^m 56.399 ^s 26°35'49.817"	53.4	116	105.8	-36.1	84.2	-18.4	3.5	215
2015/10/11 00:01:30	1078 Mentha	14.5	15.74	4.61	234	1.3	35°16'50" 52°02'56"	342	0.8	TYC 132100125	11.15	6 ^h 07 ^m 46.530 ^s 18°47'10.752"	47.8	124	105.3	-35.4	83.7	-17.6	3.5	124
2015/10/11 03:10:05	38531 1999 UF15	7.6	18.66	6.22	69	0.6	36°43'43" 49°30'02"	153	1.3	TYC 244000673	12.44	6 ^h 45 ^m 11.966 ^s 33°01'18.494"	73.2	185	97.6	-6.9	77.7	10.9	3.1	213
2015/10/11 16:16:02	17272 2000 LU4	7.2	17.71	6.60	158	4.4	38°15'29" 50°42'49"	62	1.1	UCAC2 25445625	11.11	21 ^h 55 ^m 47.181 ^s −17°00'44.609"	18.4	151	127.2	-14.2	141.1	-17.9	1.5	152
2015/10/11 18:41:15	26356 Aven-tini	7.9	16.57	5.08	140	1.1	37°49'31" 50°49'56"	52	1.4	TYC 642000108	11.50	0 ^h 29 ^m 34.310 ^s −28°58'33.425"	6.5	153	142.9	-35.8	149.3	-36.2	1.4	140
2015/10/11 21:27:50	67199 2000 CP96	6.3	17.53	5.49	242	0.6	38°31'27" 48°26'22"	138	0.6	TYC 175900517	12.05	1 ^h 41 ^m 23.124 ^s 25°10'38.636"	64.8	165	160.0	-47.2	150.0	-40.9	1.1	189
2015/10/11 22:43:31	379 Huenna	92.3	14.58	2.62	179	6.9	36°58'46" 48°30'20"	164	12.1	UCAC2 39131471	12.06	7 ^h 09 ^m 58.614 ^s 20°40'36.090"	28.4	91	91.7	-43.9	80.4	-35.5	1.0	212
2015/10/12 00:29:46	2387 Xi'an	18.2	15.97	4.48	19	3.7	36°08'36" 49°54'20"	213	4.5	UCAC2 38740883	11.51	4 ^h 04 ^m 33.124 ^s 19°36'06.076"	59.7	185	135.2	-31.9	124.5	-22.6	0.9	162
2015/10/12 00:46:29	5174 Okugi	7.6	17.89	6.53	43	0.6	36°08'17" 49°40'28"	194	1.8	TYC 74401264	11.37	6 ^h 26 ^m 52.949 ^s 13°44'27.849"	47.1	137	101.4	-29.6	91.2	-20.2	0.8	162
2015/10/12 03:27:54	2606 Odessa	15.8	16.68	4.82	91	1.1	36°31'41" 49°14'57"	169	2.5	TYC 64200989	11.88	2 ^h 38 ^m 26.514 ^s 10°09'18.876"	21.2	260	157.3	-4.3	148.3	4.3	0.7	233
2015/10/12 03:32:18	51994 2001 TJ58	12.0	19.72	7.04	64	1.2	35°45'41" 50°30'34"	324	1.2	UCAC2 44119678	12.68	6 ^h 32 ^m 13.977 ^s 35°12'04.285"	73.1	214	101.3	-3.6	92.1	5.0	0.7	405

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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}
2015/10/12 03:39:50	48433 US1	6.9	17.65	5.60	68	0.5	36°39'07'' 49°28'54''	157	1.7	TYC 244300830	12.05	6 ^h 38 ^m 28.270 ^s 34°11'50.794''	72.1	214	100.0	-2.4	90.8	6.1	0.7	148
2015/10/12 18:50:52	3219 Komaki	15.8	17.17	3.50	29	0.9	36°09'41'' 50°17'35''	342	2.9	UCAC2 24228738	13.71	19 ^h 23 ^m 03.767 ^s −19°31'58.924''	8.0	226	90.6	-37.3	93.0	-36.2	0.1	215
2015/10/12 21:47:28	1073 Gellivara	35.7	18.23	4.28	244	1.6	33°49'41'' 51°35'28''	314	3.5	UCAC2 38791404	13.97	8 ^h 38 ^m 33.144 ^s 19°58'09.651''	5.8	66	72.2	-47.2	71.1	-45.3	0.0	287
2015/10/13 00:31:14	13516 UO1	5.2	18.11	6.40	89	0.6	36°16'56'' 49°14'53''	180	1.2	UCAC2 38037933	11.71	6 ^h 06 ^m 42.170 ^s 17°37'10.457''	51.5	137	107.5	-32.0	107.8	-31.2	0.0	142
2015/10/13 20:51:57	18206 3093 P-L	7.9	18.68	7.00	16	1.3	36°28'46'' 49°58'14''	122	1.5	UCAC2 43598990	11.68	6 ^h 17 ^m 42.974 ^s 33°31'10.674''	29.2	71	106.0	-47.5	114.8	-46.7	0.7	215
2015/10/13 20:54:50	605 Juvisia	70.1	14.41	1.49	71	7.1	36°08'12'' 49°24'53''	189	16.6	UCAC2 47026481	13.23	3 ^h 21 ^m 01.454 ^s 44°40'35.382''	63.9	87	133.9	-47.6	139.4	-46.9	0.7	149
2015/10/13 22:10:46	15520 XK98	10.0	17.31	3.76	9	2.1	36°19'52'' 49°58'17''	159	2.4	UCAC2 32633073	13.59	21 ^h 37 ^m 31.811 ^s 2°17'31.938''	16.6	253	125.8	-46.7	115.4	-49.2	0.8	164
2015/10/14 02:06:57	1980 Tezcatlipoca	13.0	15.56	3.25	195	0.9	34°20'42'' 48°49'55''	226	0.0	UCAC2 42919881	12.37	7 ^h 38 ^m 20.910 ^s 31°54'12.605''	64.6	126	89.2	-17.8	100.3	-26.7	1.1	51
2015/10/14 16:30:13	1649 Fabre	28.7	18.02	6.48	206	0.9	36°10'23'' 51°53'56''	358	3.1	TYC 623301450	11.55	17 ^h 16 ^m 42.917 ^s −15°41'22.022''	12.2	227	59.0	-17.5	40.3	-8.0	2.6	277
2015/10/14 18:29:25	3115 Baily	18.0	14.97	1.94	228	2.2	34°00'18'' 51°30'17''	315	1.2	UCAC2 41163350	13.23	5 ^h 59 ^m 08.424 ^s 26°42'33.101''	6.8	56	111.0	-35.3	130.0	-26.7	2.9	129
2015/10/14 19:20:15	8698 Bertilpettersson	8.3	17.84	6.95	234	1.4	33°57'12'' 51°32'25''	315	0.7	UCAC2 40654541	10.89	5 ^h 56 ^m 15.581 ^s 25°19'31.561''	13.3	66	111.7	-41.4	131.2	-34.3	3.0	165
2015/10/14 23:17:38	1274 Delportia	14.3	15.47	3.58	81	1.7	36°20'09'' 49°19'25''	177	3.8	TYC 178200015	11.93	3 ^h 03 ^m 05.963 ^s 24°09'57.640''	64.3	186	150.2	-41.7	167.3	-51.9	3.6	120
2015/10/14 23:17:38	1274 Delportia	14.3	15.47	3.41	81	1.7	36°20'09'' 49°19'25''	177	3.8	UCAC2 40296812	12.11	3 ^h 03 ^m 05.963 ^s 24°09'57.640''	64.3	186	150.2	-41.7	167.3	-51.9	3.6	120
2015/10/15 17:14:18	4292 Aoba	24.6	17.66	3.83	14	1.2	36°28'06'' 50°05'36''	69	4.5	UCAC2 22334848	13.86	19 ^h 01 ^m 26.212 ^s −23°46'34.858''	10.5	211	82.2	-24.7	52.7	-9.9	6.7	216
2015/10/15 17:19:53	1128 Astrid	34.7	15.20	4.42	19	3.9	36°22'39'' 49°53'02''	160	9.8	TYC 123600518	10.80	3 ^h 15 ^m 25.893 ^s 17°35'42.167''	14.2	79	150.6	-25.6	176.3	-10.7	6.8	140
2015/10/16 01:16:38	3197 Weissman	21.6	16.31	4.31	233	0.8	37°11'12'' 48°02'35''	164	2.2	UCAC2 37537128	12.02	8 ^h 50 ^m 46.637 ^s 16°01'29.302''	35.8	109	71.5	-26.2	105.1	-49.5	8.5	242
2015/10/16 02:23:29	17296 3541 P-L	9.5	15.60	5.64	7	1.2	36°11'21'' 50°01'49''	255	3.3	TYC 119500481	9.97	0 ^h 54 ^m 58.772 ^s 21°18'49.983''	20.8	279	165.7	-15.7	140.3	-41.7	8.8	116
2015/10/16 17:09:05	3303 Merta	13.2	16.99	3.57	77	1.1	35°24'14'' 50°27'17''	306	2.7	UCAC2 23027387	13.46	20 ^h 31 ^m 25.458 ^s −22°13'22.671''	17.2	190	101.8	-24.2	61.4	-3.6	12.4	178
2015/10/17 02:09:57	4482 Frerebasile	8.7	16.06	7.63	41	0.8	36°46'35'' 49°51'31''	121	4.3	TYC 409400876	8.43	5 ^h 47 ^m 56.182 ^s 61°16'23.683''	77.8	343	109.5	-18.1	133.4	-50.7	15.0	66
2015/10/17 02:43:42	2302 Florya	15.1	14.53	1.52	34	2.2	36°02'24'' 49°47'06''	211	5.6	UCAC2 44253619	13.31	2 ^h 04 ^m 49.182 ^s 35°44'25.219''	38.0	283	151.8	-12.6	142.4	-46.9	15.2	102

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 5		LinOccult 2.2.0 BETA			
		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}
2015/10/17 04:02:43	24440 2000 FB1	10.5	17.49	6.96	156	0.7	38°15'20" 50°40'05"	64	1.6	TYC 283501501	10.53	2 ^h 29 ^m 12.972 ^s 40°44'03.045"	32.8	296	145.3	-0.0	144.1	-36.0	15.6	195
2015/10/17 16:23:31	900 Rosalinde	18.8	16.07	2.23	90	0.7	36°15'58" 49°14'15"	181	3.9	UCAC2 26975633	13.99	18 ^h 57 ^m 33.922 ^s -13°31'16.500"	23.3	205	80.5	-17.3	28.4	8.0	19.5	167
2015/10/17 17:00:36	13684 Bor-bona	10.0	17.38	7.74	68	0.8	36°58'52" 49°38'11"	133	2.0	TYC 230500274	9.64	1 ^h 32 ^m 15.821 ^s 35°45'10.523"	41.5	81	153.4	-23.2	130.5	3.3	19.6	192
2015/10/17 17:53:47	27192 Selenali	5.2	16.18	5.24	235	0.7	39°04'01" 48°56'48"	122	0.1	TYC 63700929	10.95	2 ^h 16 ^m 49.598 ^s 13°56'28.943"	27.6	101	167.2	-31.3	139.7	-4.0	19.9	88
2015/10/17 21:49:31	67210 2000 DF29	6.3	18.75	6.29	171	2.1	35°52'54" 48°32'05"	190	0.9	TYC 129901681	12.47	5 ^h 49 ^m 10.772 ^s 16°20'12.535"	33.2	105	116.4	-49.0	171.4	-39.9	21.5	193
2015/10/18 02:44:58	2534 Houzeau	31.2	16.13	3.64	127	22.1	37°08'50" 51°02'44"	29	5.6	UCAC2 39627264	12.52	5 ^h 33 ^m 38.488 ^s 22°16'26.843"	58.2	217	120.3	-12.7	175.0	-53.2	23.0	163
2015/10/18 16:01:10	852 Wladilena	22.8	13.60	1.44	127	1.9	34°50'30" 50°43'28"	306	4.2	UCAC2 44094577	12.49	4 ^h 06 ^m 28.159 ^s 35°27'14.564"	11.3	47	136.3	-14.1	150.8	15.2	27.9	109
2015/10/18 16:01:10	852 Wladilena	22.8	13.60	1.55	127	1.9	34°50'30" 50°43'28"	306	4.2	TYC 236600654	12.34	4 ^h 06 ^m 28.159 ^s 35°27'14.564"	11.3	47	136.3	-14.1	150.8	15.2	27.9	109
2015/10/18 18:17:09	20432 1999 BD12	5.2	18.12	7.62	64	0.8	36°02'39" 50°35'51"	344	1.4	TYC 68100511	10.50	4 ^h 35 ^m 20.828 ^s 13°19'46.458"	9.3	80	135.0	-35.0	159.7	-0.6	28.7	137
2015/10/18 18:59:09	32460 2000 SY92	12.0	18.92	5.13	23	1.7	36°14'18" 49°50'41"	189	1.5	UCAC2 28826400	13.80	20 ^h 26 ^m 56.413 ^s -8°36'07.664"	21.4	224	101.9	-40.4	37.1	-6.5	29.0	314
2015/10/18 19:49:03	765 Mattiaca	11.5	15.77	2.06	134	1.0	37°43'16" 49°17'16"	130	2.0	UCAC2 42222528	13.89	6 ^h 57 ^m 58.291 ^s 29°59'28.967"	14.4	60	102.2	-45.6	162.5	-14.0	29.4	118
2015/10/18 20:56:51	1686 De Sitter	36.3	17.31	5.22	30	4.4	36°33'14" 49°50'13"	141	5.6	UCAC2 4006271	12.10	7 ^h 08 ^m 33.588 ^s 23°10'57.759"	17.8	75	99.2	-49.5	164.1	-24.4	29.9	255
2015/10/18 23:26:23	852 Wladilena	22.8	13.59	1.30	38	1.9	35°55'35" 49°47'58"	223	7.8	UCAC2 44266727	12.68	4 ^h 06 ^m 10.125 ^s 35°30'46.424"	75.0	159	136.6	-42.0	147.7	-46.5	30.8	109
2015/10/19 20:37:06	34863 2001 TP107	5.0	17.65	7.88	145	1.0	37°47'22" 49°11'13"	132	0.8	TYC 132001181	9.77	5 ^h 59 ^m 11.222 ^s 19°23'54.807"	23.5	87	116.1	-49.2	166.1	-12.9	39.6	119
2015/10/19 20:57:09	2119 Schwall	7.6	17.02	5.87	151	1.5	37°23'24" 48°53'47"	148	1.1	TYC 183300142	11.15	4 ^h 30 ^m 24.823 ^s 25°13'26.979"	45.1	105	136.0	-49.9	145.0	-16.0	39.6	121
2015/10/19 22:19:35	14316 Hi-gashichibu	10.5	17.70	4.08	5	1.3	36°19'40" 50°04'49"	39	2.2	UCAC2 45946174	13.65	4 ^h 45 ^m 45.686 ^s 40°34'50.965"	65.8	101	128.3	-48.2	142.9	-28.7	40.3	188
2015/10/19 22:32:11	20128 1996 AK	7.2	17.58	5.76	140	0.5	36°06'15" 51°18'09"	355	1.2	TYC 4200037	11.83	2 ^h 23 ^m 49.361 ^s 3°07'32.174"	43.0	189	166.4	-47.4	110.5	-30.7	40.4	171
2015/10/19 22:58:45	58952 1998 QO74	5.2	17.27	5.02	173	0.7	36°41'15" 48°31'08"	170	0.7	TYC 172400257	12.26	23 ^h 43 ^m 51.164 ^s 19°19'11.515"	38.2	254	151.2	-45.2	78.2	-34.7	40.7	130
2015/10/20 00:53:29	1875 Neruda	11.5	18.62	7.32	163	0.6	35°32'50" 48°39'54"	199	1.4	TYC 20901617	11.30	8 ^h 25 ^m 15.381 ^s 5°44'49.537"	30.1	121	79.2	-30.7	157.6	-50.1	41.4	262
2015/10/20 01:58:52	17989 1999 JE64	9.1	18.76	6.81	42	0.8	36°27'32" 49°41'29"	163	1.6	UCAC2 40507589	11.95	7 ^h 31 ^m 11.593 ^s 24°44'39.453"	61.1	144	95.5	-20.6	171.0	-55.9	41.9	227

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		LinOccult 2.2.0 BETA			
		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}
2015/10/20 20:50:05	213180 SD173	2000	20.72	6.92	201	1.0	37°51'04" 51°33'23"	34	0.8	UCAC2 35711682	13.80	6 ^h 06 ^m 04.803 ^s 11°20'14.791"	19.1	95	114.8	-50.1	153.6	-5.8	50.3	446
2015/10/20 23:02:30	948 Jucunda	16.6	16.86	6.07	43	0.6	36°45'29" 49°48'08"	129	2.8	TYC 195001477	10.80	9 ^h 06 ^m 34.124 ^s 24°40'16.178"	21.4	77	75.4	-45.1	161.7	-25.9	51.3	230
2015/10/21 22:54:41	6384 Kervin	6.0	16.67	6.15	133	1.1	34°40'55" 49°27'13"	240	0.9	TYC 71901018	10.53	5 ^h 49 ^m 38.024 ^s 10°27'08.047"	40.0	129	119.8	-46.2	135.2	-14.6	62.0	94
2015/10/22 00:10:38	13326 Ferri	9.1	16.81	5.78	39	0.8	36°30'32" 49°43'42"	156	2.3	TYC 4001173	11.03	2 ^h 04 ^m 26.191 ^s 4°08'30.552"	34.2	228	171.7	-37.3	78.4	-26.2	62.7	153
2015/10/22 03:36:06	25500 XF91	1999	19.37	7.39	167	1.8	35°30'09" 48°38'27"	200	0.8	TYC 132601532	11.98	6 ^h 13 ^m 39.009 ^s 21°17'21.196"	54.4	227	115.0	-5.5	138.6	-50.9	64.2	201
2015/10/22 03:52:33	67210 DF29	2000	18.69	5.91	242	3.4	39°22'59" 49°11'55"	113	0.6	TYC 129901252	12.79	5 ^h 49 ^m 32.724 ^s 16°13'09.370"	44.9	235	120.5	-2.9	132.6	-51.8	64.5	190
2015/10/22 16:39:56	5166 Olson	6.6	17.11	6.08	243	0.6	37°48'55" 48°06'21"	153	0.3	TYC 467400429	11.03	0 ^h 56 ^m 34.450 ^s 0° - 34'28.434"	20.0	117	162.9	-21.5	51.3	28.9	70.0	126
2015/10/22 17:23:47	71096 XR136	1999	17.64	6.53	170	0.6	37°56'11" 48°57'27"	136	0.9	TYC 576701179	11.11	20 ^h 40 ^m 40.024 ^s -13°18'18.694"	24.9	199	100.2	-28.4	13.7	29.1	70.3	140
2015/10/22 20:01:28	56957 Seohideaki	6.3	19.17	7.57	5	0.5	36°13'46" 50°03'59"	297	1.2	UCAC2 42402629	11.60	7 ^h 51 ^m 25.653 ^s 30°19'47.445"	11.2	56	94.7	-48.1	147.4	19.3	71.5	211
2015/10/23 01:24:32	1410 Margaret	22.6	16.95	3.09	148	0.7	35°47'29" 48°45'14"	194	2.8	UCAC2 33754023	13.93	10 ^h 14 ^m 59.582 ^s 5°32'09.805"	20.1	106	55.6	-26.7	173.5	-26.4	73.8	274
2015/10/23 03:26:55	6521 Pina	6.3	18.62	7.04	181	1.2	34°16'20" 51°02'58"	308	0.8	TYC 131200117	11.58	5 ^h 53 ^m 57.486 ^s 15°12'44.479"	47.4	227	120.3	-7.2	119.8	-42.2	74.8	170
2015/10/23 17:38:14	56116 CZ7	1999	18.69	9.83	165	0.6	34°41'35" 51°07'56"	317	0.6	HIP 24964	8.86	5 ^h 20 ^m 50.478 ^s 50°36'56.978"	27.9	43	122.0	-30.9	103.1	33.0	80.4	97
2015/10/23 20:12:36	43796 AS1	1991	17.60	6.31	114	0.5	37°52'36" 50°03'37"	89	1.2	TYC 379400920	11.29	7 ^h 38 ^m 19.760 ^s 59°29'19.400"	35.8	38	101.5	-49.2	116.9	27.3	81.5	138
2015/10/24 03:52:47	578 Happelia	69.3	14.98	1.44	187	16.0	37°32'27" 48°35'04"	151	8.9	UCAC2 41867739	13.87	6 ^h 43 ^m 07.308 ^s 28°54'11.047"	61.3	233	110.6	-3.3	115.8	-35.3	84.2	200
2015/10/24 17:18:58	1363 Herberta	19.1	15.91	3.15	76	3.4	36°58'51" 49°31'51"	139	4.2	UCAC2 39438653	12.82	4 ^h 48 ^m 43.818 ^s 21°46'09.289"	8.4	66	137.3	-28.2	81.9	33.9	88.8	160
2015/10/24 17:46:04	4381 Ueno-hara	20.4	15.41	1.89	98	1.7	36°44'19" 49°13'07"	161	4.2	UCAC2 31439713	13.74	2 ^h 49 ^m 56.557 ^s 0° - 30'52.451"	14.3	108	161.6	-32.3	50.2	35.7	89.0	161
2015/10/24 21:45:10	1689 Floris-Jan	14.3	16.11	2.61	214	0.9	37°21'03" 48°15'18"	159	1.4	UCAC2 37533097	13.60	8 ^h 06 ^m 07.986 ^s 16°29'39.062"	15.1	82	90.8	-51.5	125.6	27.7	90.3	147
2015/10/24 23:26:26	8579 Hieizan	6.3	15.91	4.88	108	0.8	36°46'41" 49°07'52"	161	1.4	TYC 63400103	11.04	2 ^h 20 ^m 31.873 ^s 12°15'09.156"	46.9	218	173.9	-43.7	41.4	14.6	90.8	91
2015/10/25 00:58:08	7421 Kusaka	6.6	18.90	8.01	59	0.8	37°06'28" 50°04'11"	88	1.3	TYC 13900228	10.89	6 ^h 10 ^m 13.126 ^s 4°00'28.335"	43.6	168	116.6	-31.3	96.0	0.9	91.2	194
2015/10/25 01:24:51	739 Mandeville	107.4	13.22	1.84	161	7.8	34°46'06" 51°07'38"	318	16.1	UCAC2 25681630	11.60	2 ^h 21 ^m 44.948 ^s -16°18'03.151"	7.9	233	151.1	-27.2	41.0	-3.2	91.3	158

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 7		LinOccult 2.2.0 BETA				
		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}	
2015/10/25 01:51:25	15876 VO38	6.0	17.54	6.34	189	0.5	36°23'28" 51°44'34"	2	0.7	TYC 3400846	11.20	1 ^h 31 ^m 20.839 ^s 5°02'46.850"	13.9	261	170.9	-23.0	26.3	-7.2	91.5	152	
2015/10/25 02:13:41	40195 RU78	6.3	17.41	9.97	122	0.7	36°29'29" 48°57'44"	173	1.1	HIP 15515	7.44	3 ^h 19 ^m 56.010 ^s 8°41'59.139"	30.0	245	159.1	-19.4	53.2	-10.6	91.6	92	
2015/10/25 02:31:06	45400 AW140	5.0	19.77	7.89	202	1.0	33°45'24" 49°15'35"	244	0.6	UCAC2 37687349	11.88	6 ^h 32 ^m 07.431 ^s 16°55'39.100"	56.3	196	113.3	-16.6	100.2	-13.2	91.6	215	
2015/10/25 15:18:50	2019 van Al-bada	17.3	16.53	3.95	240	0.5	34°30'35" 51°53'12"	328	1.4	UCAC2 23962577	12.61	18 ^h 39 ^m 29.294 ^s -20°00'18.136"	17.9	200	67.6	-9.3	86.1	16.9	94.8	155	
2015/10/25 16:50:07	1648 Shajna	10.3	16.43	2.69	56	0.6	35°47'12" 50°25'58"	320	2.9	UCAC2 23764118	13.84	20 ^h 42 ^m 27.445 ^s -20°48'03.420"	18.5	192	95.8	-24.0	58.8	29.7	95.2	128	
2015/10/26 01:17:44	46943 SZ99	5.0	17.96	6.84	171	0.8	38°26'48" 49°24'43"	115	0.7	TYC 71001028	11.12	5 ^h 10 ^m 10.867 ^s 14°57'16.568"	53.7	200	133.7	-28.5	66.2	10.1	96.9	134	
2015/10/26 03:11:04	11106 UK3	9.5	17.60	5.81	188	0.7	34°27'01" 48°51'20"	225	1.2	UCAC2 37169758	11.79	7 ^h 35 ^m 03.249 ^s 15°07'37.827"	55.1	188	99.1	-10.4	100.0	-7.1	97.2	174	
2015/10/26 15:36:48	1466 Mundleria	21.5	16.86	3.08	198	0.8	36°17'38" 48°15'53"	180	2.6	UCAC2 25421541	13.85	19 ^h 14 ^m 47.315 ^s -17°21'58.294"	21.2	197	75.2	-12.5	92.9	14.8	98.9	174	
2015/10/26 19:11:23	5694 Berenyi	7.6	16.76	7.24	249	0.6	39°13'35" 48°52'40"	122	0.3	TYC 122801624	9.52	3 ^h 03 ^m 05.185 ^s 19°02'36.803"	41.9	113	164.0	-44.5	26.1	43.1	99.2	124	
2015/10/26 20:03:24	2997 Cabrera	9.5	16.53	4.85	138	0.7	34°59'11" 50°57'55"	318	1.7	TYC 635001042	11.70	21 ^h 10 ^m 41.919 ^s -18°18'31.868"	6.7	231	101.7	-49.6	68.7	46.5	99.3	127	
2015/10/26 22:48:02	9665 Inas-tronoviny	10.0	17.83	4.26	37	1.7	35°52'26" 50°15'19"	308	2.1	UCAC2 38388631	13.59	5 ^h 15 ^m 10.985 ^s 18°55'57.334"	53.0	138	133.5	-48.3	54.1	41.3	99.5	186	
2015/10/26 23:26:27	4196 Shuya	21.9	17.59	5.83	73	1.6	35°58'07" 50°40'21"	342	3.0	TYC 138200914	11.77	8 ^h 19 ^m 32.331 ^s 18°12'45.724"	31.8	100	90.1	-44.3	97.2	37.2	99.6	283	
2015/10/26 23:41:24	12154 Callimachus	6.0	17.90	5.98	62	0.5	36°36'22" 49°31'35"	159	1.4	UCAC2 33863417	11.93	1 ^h 24 ^m 18.150 ^s 6°03'03.419"	32.0	237	168.4	-42.5	4.1	35.4	99.6	164	
2015/10/26 23:50:09	91152 QW41	6.3	17.49	5.47	132	0.6	36°50'30" 51°10'44"	17	1.1	TYC 229101099	12.03	1 ^h 18 ^m 24.408 ^s 30°38'37.880"	48.8	261	159.1	-41.4	23.3	34.3	99.6	178	
2015/10/27 04:14:35	35663 QT50	7.2	18.37	8.40	39	0.5	36°36'00" 50°19'60"	35	1.4	TYC 6701156	9.97	3 ^h 37 ^m 10.109 ^s 4°54'16.604"	9.7	266	155.8	-0.7	26.8	-4.5	99.8	196	
2015/10/27 21:30:35	7340 UA2	5.8	18.07	10.16	207	0.6	35°11'26" 51°46'34"	338	0.1	HIP 17340	7.91	3 ^h 42 ^m 41.158 ^s 21°16'54.031"	57.1	143	155.6	-52.9	19.5	51.6	99.7	84	
2015/10/27 22:22:49	2856 Roser	24.0	16.06	4.25	94	3.3	36°39'19" 50°51'23"	16	4.7	UCAC2 43233596	11.84	4 ^h 59 ^m 06.721 ^s 32°39'04.352"	63.8	121	136.0	-50.7	39.3	51.0	99.6	176	
2015/10/27 22:36:23	2677 Joan	20.6	16.21	2.61	75	1.8	35°51'25" 50°39'33"	336	4.1	UCAC2 32982975	13.70	0 ^h 42 ^m 38.142 ^s 3°36'59.363"	32.4	230	157.2	-49.6	29.1	50.4	99.6	187	
2015/10/28 02:30:07	83 Beatrix	81.4	13.25	0.73	61	8.9	36°09'49" 50°35'16"	352	20.0	UCAC2 41357023	13.29	7 ^h 19 ^m 46.728 ^s 27°22'55.094"	67.6	180	106.4	-17.5	65.7	23.0	99.4	147	
2015/10/28 14:27:32	644 Cosima	19.9	16.40	2.74	157	0.6	35°12'12" 51°16'51"	331	2.8	UCAC2 22538856	13.76	18 ^h 16 ^m 14.592 ^s -23°26'43.679"	15.3	195	59.1	-2.1	136.1	-6.8	98.1	215	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 8		LinOccult 2.2.0 BETA			
		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 (%)	σ_{km}		
2015/10/28 17:05:04	12583 Buck- jean	11.0	17.12	3.89	255	2.0	38°29'00" 48°15'31"	142	0.8 2.7	UCAC2 43592386	13.26	5 ^h 45 ^m 21.160 ^s 33°34'40.198"	10.4	49	127.1	-27.2	38.1	16.6	164	
2015/10/29 15:13:16	17594 1995 DX5	8.3	18.48	7.09	31	1.2	36°32'56" 49°49'21"	143	1.6 1.6	TYC 291101162	11.39	5 ^h 45 ^m 13.425 ^s 38°32'49.903"	4.0	27	127.0	-9.5	29.6	-6.2	204	
2015/10/29 18:00:19	9065 1993 FN1	8.3	16.98	5.66	57	2.2	35°46'07" 50°26'24"	320	2.2 2.4	TYC 581900261	11.32	22 ^h 53 ^m 16.965 ^s -14°30'51.198"	25.6	181	123.0	-35.9	87.1	18.0	136	
2015/10/29 18:01:22	45191 1999 XU163	7.2	18.61	7.27	122	0.6	35°44'11" 49°00'30"	199	1.1 1.3	TYC 585200153	11.35	1 ^h 27 ^m 23.659 ^s -17°13'06.569"	15.2	143	147.2	-36.0	55.0	18.2	216	
2015/10/29 20:56:57	21255 1996 CD2	7.6	17.98	8.78	166	0.5	36°18'03" 48°33'32"	180	1.1 1.7	TYC 577000563	9.20	20 ^h 58 ^m 32.470 ^s -8°50'23.393"	3.5	252	98.5	-53.4	114.4	44.5	173	
2015/10/30 04:20:01	10141 Gotenba	11.0	18.08	5.02	216	0.7	36°03'10" 51°59'00"	356	1.2 2.0	UCAC2 42752854	13.07	8 ^h 58 ^m 49.202 ^s 31°01'59.204"	70.9	192	88.0	-0.6	57.9	27.8	214	
2015/10/30 14:41:10	7868 Barker	19.4	16.43	4.34	131	2.1	34°52'15" 50°47'51"	310	3.6 6.3	TYC 237900838	12.11	4 ^h 19 ^m 59.248 ^s 34°02'22.552"	5.0	40	145.5	-4.7	20.2	-14.9	123	
2015/10/30 14:45:28	1135 Colchis	50.6	15.92	2.38	180	1.3	38°03'24" 48°54'54"	135	6.4 8.5	UCAC2 20913634	13.67	17 ^h 20 ^m 06.095 ^s -26°39'15.634"	6.9	212	44.6	-5.4	171.1	-14.5	237	
2015/10/30 23:27:23	15329 Sabena	5.5	18.71	7.76	31	1.4	36°23'17" 49°46'21"	167	1.2 1.2	TYC 525100725	10.95	23 ^h 30 ^m 26.570 ^s -1°51'22.341"	8.5	257	135.4	-45.3	92.0	55.5	184	
2015/10/31 14:10:36	1001 Gaussia	74.7	13.79	1.51	175	7.2	38°12'12" 49°04'43"	128	9.8 21.1	UCAC2 40972516	12.59	3 ^h 26 ^m 49.528 ^s 26°05'31.000"	1.2	49	160.4	-0.3	38.7	-20.5	140	
2015/10/31 21:02:08	1075 Helina	35.5	14.14	1.98	219	3.5	36°44'13" 48°06'04"	172	2.7 10.7	UCAC2 29389633	12.35	1 ^h 51 ^m 11.764 ^s -6°43'05.836"	33.3	185	157.7	-54.1	72.5	29.7	132	