

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 2.2.0 BETA
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 71

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				
		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}
2015/06/01 00:34:54	2344 Xizang	15.8	15.21	2.76	15	2.3	36°06'21" 50°07'10"	302	5.0 5.1	UCAC2 23203017	12.54	18 ^h 16 ^m 46.640 ^s -21°46'58.489"	16.1	199	156.1	-7.5	43.7	3.8	97.0	125
2015/06/01 23:51:47	163 Erigone	72.6	13.86	2.17	33	7.1	36°16'14" 49°45'12"	182	20.6 21.2	UCAC2 25845618	11.85	18 ^h 30 ^m 33.448 ^s -16°20'55.959"	23.5	187	152.8	-11.7	34.7	13.5	99.3	135
2015/06/02 00:11:34	179 Kly-taennestra	77.7	13.62	1.10	262	2.3	38°51'09" 48°23'35"	135	6.9 14.3	UCAC2 35505643	13.01	0 ^h 31 ^m 49.138 ^s 10°47'16.476"	15.6	92	59.6	-9.8	127.7	11.3	99.4	216
2015/06/03 19:35:07	5574 Seagrave	12.0	16.60	4.67	182	1.3	36°01'00" 48°25'21"	186	1.5 3.2	TYC 512501689	11.95	18 ^h 41 ^m 41.103 ^s -6°11'33.335"	14.7	119	147.6	-13.3	18.2	11.1	98.3	149
2015/06/03 22:56:30	52755 1998 MU	6.0	17.56	5.67	22	0.6	36°32'55" 50°08'55"	59	1.5 1.5	UCAC2 32099845	11.90	19 ^h 36 ^m 07.088 ^s 0°48'50.894"	37.6	152	132.4	-15.4	31.6	21.6	97.9	159
2015/06/03 23:24:57	3093 Bergholz	16.6	15.54	2.52	34	1.2	35°49'24" 49°58'43"	257	4.6 4.7	UCAC2 29381154	13.13	21 ^h 42 ^m 36.902 ^s -7°19'34.583"	20.2	131	107.3	-13.6	56.2	21.1	97.9	140
2015/06/04 20:08:12	29931 1999 JL44	12.6	17.87	9.34	213	0.5	37°09'39" 51°52'41"	17	1.0 3.8	TYC 489600679	8.53	9 ^h 50 ^m 43.755 ^s -1°10'34.159"	3.2	264	77.0	-15.3	130.5	9.1	94.4	131
2015/06/04 21:22:59	34217 2000 QA78	5.0	17.37	6.68	140	0.5	34°59'36" 49°06'55"	222	0.9 1.5	TYC 732701001	10.69	15 ^h 41 ^m 50.193 ^s -30°07'33.954"	8.9	193	163.0	-17.7	43.9	16.6	94.1	134
2015/06/04 21:39:08	53336 1999 JP42	7.9	16.81	5.82	134	0.8	37°58'16" 50°35'12"	64	1.4 1.9	TYC 560800483	11.00	15 ^h 35 ^m 29.740 ^s -13°51'51.420"	23.8	201	160.5	-17.7	46.5	17.8	94.1	167
2015/06/05 20:48:01	41211 1999 XB1	10.5	17.01	4.65	176	0.9	36°12'03" 51°37'30"	358	1.4 2.2	UCAC2 25571113	12.37	17 ^h 21 ^m 33.619 ^s -16°32'55.865"	21.6	161	171.1	-16.9	34.1	8.6	88.0	194
2015/06/06 01:32:28	4244 Za-kharchenko	9.1	17.94	6.97	254	0.7	34°37'09" 52°04'23"	332	0.8 1.9	TYC 580701280	10.97	22 ^h 25 ^m 42.032 ^s -11°26'34.259"	25.5	155	100.9	-0.2	36.7	22.9	86.6	191
2015/06/06 21:50:58	38596 1999 XP199	11.0	19.95	8.51	1	2.3	36°16'37" 50°02'28"	224	1.1 1.1	TYC 554401235	11.44	13 ^h 19 ^m 06.167 ^s -9°33'31.519"	11.4	240	126.2	-17.4	107.8	11.9	79.4	404
2015/06/07 19:04:50	7923 Chyba	8.3	18.20	6.66	75	3.0	36°36'50" 49°24'33"	162	1.6 1.8	TYC 497200703	11.54	13 ^h 37 ^m 17.430 ^s -6°15'25.050"	32.6	197	128.2	-10.3	116.9	-17.8	70.7	188
2015/06/07 20:14:56	429113 2009 SJ197	6.9	21.38	12.64	144	0.8	35°17'58" 51°10'60"	331	0.9 1.0	TYC 551700076	8.74	11 ^h 49 ^m 52.981 ^s -7°35'18.190"	13.5	240	104.0	-15.4	141.8	-6.8	70.4	271
2015/06/07 20:18:53	384 Burdigala	36.9	14.90	2.20	255	1.6	33°29'50" 48°38'46"	232	3.2 7.5	UCAC2 36647836	12.86	10 ^h 34 ^m 35.247 ^s 13°35'57.841"	17.9	270	78.7	-15.6	165.3	-6.2	70.2	195
2015/06/08 00:13:10	18827 1999 NA26	12.6	16.73	5.06	79	2.3	35°11'14" 49°58'31"	264	2.6 2.9	TYC 633600117	11.68	20 ^h 19 ^m 34.091 ^s -19°48'27.692"	19.8	171	134.2	-9.1	22.9	24.5	68.4	171
2015/06/08 01:27:18	2957 Tatsuo	25.6	15.30	1.85	19	5.4	36°32'35" 50°06'14"	71	6.8 6.9	UCAC2 27574814	13.67	20 ^h 09 ^m 18.721 ^s -12°27'05.122"	26.8	193	134.5	-0.8	24.1	29.3	68.1	148
2015/06/08 19:27:25	10190 1996 NC	6.6	17.71	6.16	181	0.6	35°04'11" 48°37'46"	209	0.9 1.7	UCAC2 22977762	11.56	18 ^h 22 ^m 34.910 ^s -22°13'34.633"	5.1	134	162.2	-12.1	61.1	-19.4	59.8	158
2015/06/08 22:11:25	4330 Vivaldi	5.5	16.84	4.98	80	0.6	35°58'37" 49°21'28"	196	1.6 2.1	UCAC2 24418831	11.87	18 ^h 13 ^m 33.913 ^s -19°06'03.536"	20.7	173	163.8	-16.8	64.6	6.2	58.5	106
2015/06/09 00:03:49	605 Juvisia	70.1	15.48	2.37	35	1.8	36°45'11" 50°08'32"	72	11.3 11.4	UCAC2 38732687	13.23	1 ^h 43 ^m 30.300 ^s 19°58'37.846"	14.2	76	47.1	-10.0	52.2	21.7	57.6	245

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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}	
2015/06/09 23:03:18	43354 2000 SZ278	12.6	16.53	2.72	99	0.9	37°22'18'' 49°29'37''	128	2.4	UCAC2 17541299	13.90	17 ^h 00 ^m 27.198 ^s −33°50'28.630''	3.3	201	168.8	−14.5	95.3	9.7	46.6	176	
2015/06/10 20:59:30	5241 1990 YL	11.5	17.53	3.70	84	0.8	36°47'52'' 50°43'47''	26	2.0	UCAC2 21149521	13.87	17 ^h 43 ^m 50.907 ^s −26°28'27.046''	12.3	165	172.4	−16.7	99.1	−13.9	36.3	206	
2015/06/10 23:16:12	45079 1999 XZ41	6.3	17.88	6.18	204	0.9	34°02'00'' 48°56'51''	233	0.6	UCAC2 29743217	11.71	20 ^h 10 ^m 27.057 ^s −6°07'18.040''	31.8	159	134.4	−13.6	64.1	7.3	35.3	144	
2015/06/11 18:14:02	2307 Garuda	41.2	16.87	3.26	8	1.6	36°20'38'' 50°06'39''	30	6.9	UCAC2 33043864	13.67	10 ^h 08 ^m 58.098 ^s 3°40'44.551''	23.4	246	72.7	−4.7	134.3	−32.9	26.8	239	
2015/06/11 18:28:58	52705 1998 FA77	7.6	17.90	6.20	129	0.6	35°17'49'' 49°05'05''	213	1.3	UCAC2 21567616	11.71	16 ^h 11 ^m 03.586 ^s −25°05'56.370''	10.5	153	164.6	−6.4	132.4	−32.2	26.8	185	
2015/06/11 21:33:16	11513 1991 CE1	10.5	17.25	3.86	59	1.1	36°02'11'' 49°32'47''	198	2.3	UCAC2 26333477	13.42	19 ^h 11 ^m 55.783 ^s −15°23'02.268''	20.0	151	152.2	−17.0	92.6	−12.9	25.5	171	
2015/06/11 22:07:25	37075 2000 UC54	7.6	18.29	6.30	168	0.7	35°04'36'' 48°45'38''	211	1.1	UCAC2 31398088	11.99	19 ^h 26 ^m 57.734 ^s −1°29'46.799''	34.8	151	142.1	−16.7	87.6	−8.0	25.2	194	
2015/06/12 00:23:50	4167 Riemann	14.5	16.66	2.87	217	0.8	36°56'34'' 48°08'41''	168	1.6	UCAC2 32133061	13.86	23 ^h 34 ^m 24.222 ^s 0°36'07.798''	24.3	121	86.2	−7.9	27.6	13.1	24.3	192	
2015/06/12 18:15:42	487 Venetia	63.1	12.07	1.16	151	5.1	36°37'45'' 51°23'09''	9	10.0	UCAC2 27124788	11.36	17 ^h 05 ^m 12.194 ^s −13°14'32.939''	15.4	134	169.4	−4.8	135.3	−30.0	17.4	134	
2015/06/12 22:45:18	4611 Vulkaneifel	13.8	15.88	2.11	213	1.2	37°42'24'' 48°22'10''	151	1.5	UCAC2 26944940	13.94	18 ^h 18 ^m 00.029 ^s −13°38'24.376''	26.4	184	163.8	−15.3	120.3	−6.9	15.8	186	
2015/06/13 01:07:22	4181 Kivi	11.0	16.97	3.29	67	1.3	36°03'18'' 50°37'56''	346	2.6	UCAC2 29915211	13.74	19 ^h 35 ^m 26.964 ^s −5°43'01.330''	31.7	204	143.7	−3.0	101.7	14.7	15.0	152	
2015/06/13 23:47:53	7303 1993 FS1	12.0	16.12	3.59	115	1.2	36°39'43'' 49°02'40''	166	2.4	UCAC2 29672480	12.57	17 ^h 39 ^m 25.844 ^s −6°29'05.694''	27.8	215	163.0	−11.1	142.9	−3.0	8.2	147	
2015/06/14 00:07:28	1028 Lydina	71.4	14.93	1.33	177	5.2	38°19'03'' 49°09'13''	124	9.5	UCAC2 19513177	13.98	18 ^h 36 ^m 08.132 ^s −29°46'23.700''	8.1	198	163.2	−9.4	130.7	−0.2	8.1	206	
2015/06/14 20:48:04	38583 1999 XX42	5.0	18.32	6.44	215	0.7	38°01'10'' 51°38'24''	35	0.5	TYC 630500862	11.88	19 ^h 26 ^m 42.836 ^s −19°19'21.685''	12.0	141	152.7	−16.2	131.1	−23.0	3.7	171	
2015/06/15 21:33:52	7039 Yamagata	6.0	16.70	6.27	132	1.5	35°26'31'' 48°59'40''	207	1.0	TYC 572800429	10.44	19 ^h 43 ^m 50.324 ^s −9°44'53.629''	24.0	145	146.4	−16.8	139.3	−21.7	0.8	102	
2015/06/16 01:31:01	1383 Limburgia	22.3	16.76	5.92	210	2.2	38°08'24'' 48°35'50''	141	2.4	TYC 581100835	10.84	22 ^h 33 ^m 28.372 ^s −9°01'22.640''	29.6	163	107.8	−0.1	101.2	−0.7	0.5	162	
2015/06/16 18:16:43	7394 Xanthomalitia	20.0	16.94	4.82	255	1.8	37°01'58'' 47°48'41''	168	1.9	UCAC2 27917540	12.13	19 ^h 19 ^m 29.596 ^s −11°20'46.815''	0.9	109	153.2	−4.7	156.9	−7.8	0.2	240	
2015/06/16 19:15:36	3292 Sather	7.9	18.20	6.26	245	0.6	34°19'16'' 48°15'46''	215	0.7	UCAC2 21619456	11.94	18 ^h 21 ^m 16.209 ^s −25°09'01.179''	4.8	140	170.1	−10.6	170.2	−14.0	0.2	198	
2015/06/16 20:59:25	55967 1998 KT47	6.9	17.81	6.39	52	0.6	36°50'47'' 49°45'04''	130	1.3	TYC 562300945	11.43	16 ^h 02 ^m 52.431 ^s −14°13'52.153''	24.5	196	155.5	−16.4	152.8	−20.8	0.3	203	
2015/06/16 21:50:58	9247 1998 MO19	16.6	17.15	4.74	49	1.6	35°56'32'' 49°40'10''	210	3.1	UCAC2 37988186	12.42	20 ^h 58 ^m 51.417 ^s 17°08'58.573''	40.9	115	116.6	−16.7	122.7	−21.7	0.3	207	

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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}
2015/06/17 20:06:55	2874 Jim Young	9.1	15.78	5.21	150	0.9	35°53'06'' 48°43'38''	191	1.3	UCAC2 21616392	10.58	18 ^h 16 ^m 39.936 ^s -25°02'46.932''	10.3	152	172.1	-14.2	169.8	-14.2	2.0	109
2015/06/17 20:14:22	33744 NS55	7.9	18.07	7.71	202	0.8	36°28'58'' 48°14'27''	176	1.0	TYC 37000969	10.36	16 ^h 02 ^m 21.221 ^s 3°02'58.212''	43.0	187	143.9	-14.6	134.0	-14.9	2.0	202
2015/06/17 21:34:27	7206 Shiki	10.0	18.64	7.98	182	0.6	38°37'10'' 50°43'51''	65	1.2	TYC 86300722	10.66	11 ^h 39 ^m 35.881 ^s 13°24'39.905''	9.7	279	83.9	-16.8	69.1	-20.6	2.2	242
2015/06/17 22:09:55	7260 Metelli	7.9	17.50	5.51	26	0.9	36°29'05'' 49°51'03''	147	1.9	UCAC2 21885446	11.99	19 ^h 37 ^m 39.211 ^s -24°40'07.028''	13.4	162	153.9	-16.3	167.5	-21.8	2.2	164
2015/06/18 01:03:33	3781 Dufek	11.5	17.53	4.08	6	0.5	36°16'05'' 50°06'04''	348	2.3	UCAC2 32474517	13.47	0 ^h 14 ^m 23.740 ^s 2°24'31.118''	28.9	126	82.0	-3.4	99.9	-16.3	2.6	203
2015/06/18 19:49:20	26491 BT3	5.5	17.46	5.96	143	0.5	35°59'35'' 51°19'03''	352	0.9	TYC 626901986	11.51	18 ^h 20 ^m 45.276 ^s -18°21'54.290''	15.1	146	170.7	-13.1	160.8	-7.9	5.7	139
2015/06/19 00:39:33	5241 1990 YL	11.5	17.44	3.75	102	0.8	34°52'05'' 49°59'50''	267	2.0	UCAC2 20916583	13.73	17 ^h 36 ^m 57.969 ^s -26°30'00.212''	2.1	222	176.0	-6.1	147.1	-22.6	6.7	206
2015/06/19 21:55:53	17701 GU41	10.5	17.58	5.12	228	0.9	39°28'11'' 50°02'57''	90	1.1	UCAC2 18070528	12.47	19 ^h 44 ^m 55.543 ^s -32°30'05.127''	5.0	161	153.5	-16.6	158.1	-18.5	11.8	197
2015/06/19 22:12:07	32439 RO99	5.8	19.21	7.11	159	0.7	35°16'59'' 48°46'23''	207	0.8	TYC 518500449	12.10	20 ^h 40 ^m 48.911 ^s -4°05'46.915''	29.0	142	134.9	-16.3	169.9	-20.0	11.8	216
2015/06/20 00:29:10	8654 KC1	7.6	16.60	4.63	77	0.6	35°36'26'' 50°35'21''	321	1.9	UCAC2 26723713	11.98	17 ^h 59 ^m 49.083 ^s -14°27'09.928''	16.0	222	170.9	-7.2	140.7	-26.2	12.5	140
2015/06/21 00:52:01	826 Henrika	19.3	14.55	1.17	214	4.3	34°01'55'' 48°48'39''	229	0.9	UCAC2 28458204	13.83	20 ^h 08 ^m 45.904 ^s -9°34'00.732''	28.9	198	145.5	-4.8	159.6	-29.0	19.7	103
2015/06/21 18:16:02	3925 Tret'yakov	41.9	16.27	4.62	11	3.7	36°18'47'' 49°56'56''	170	8.5	UCAC2 32052053	11.67	16 ^h 13 ^m 11.119 ^s 0°30'21.464''	36.8	150	144.8	-4.4	91.8	20.4	25.6	195
2015/06/21 22:48:53	23155 Judith-black	5.0	16.27	4.48	39	0.7	36°39'13'' 49°47'33''	137	1.9	UCAC2 24941782	11.81	18 ^h 41 ^m 49.999 ^s -18°11'44.490''	21.5	188	169.0	-14.9	127.3	-20.1	27.2	97
2015/06/21 22:54:47	3394 Banno	7.9	16.71	6.28	200	0.9	36°14'09'' 48°15'06''	181	0.6	TYC 572500812	10.43	19 ^h 51 ^m 58.729 ^s -9°19'18.969''	30.4	171	149.8	-14.6	144.7	-20.8	27.2	117
2015/06/23 00:10:53	257 Silesia	72.7	15.24	2.04	96	2.3	35°29'53'' 50°44'37''	324	11.3	UCAC2 35140034	13.38	1 ^h 49 ^m 53.431 ^s 9°55'13.195''	15.6	93	62.0	-9.1	136.1	-27.7	36.5	237
2015/06/23 17:50:33	178387 TN30	8.3	20.45	7.71	14	0.9	36°26'49'' 50°07'03''	56	0.8	TYC 617300565	12.74	15 ^h 08 ^m 43.979 ^s -18°20'29.214''	21.0	168	138.1	-1.3	55.9	30.2	43.3	422
2015/06/23 20:40:27	631 Philip-pina	57.6	13.18	1.75	185	4.5	37°08'21'' 51°37'21''	19	7.1	TYC 44900580	11.67	18 ^h 53 ^m 50.235 ^s 0°44'57.939''	36.3	148	153.4	-15.7	108.1	5.5	44.4	147
2015/06/23 21:32:32	960 Birgit	11.0	14.45	1.58	7	1.7	36°18'15'' 49°59'21''	169	5.5	UCAC2 24219408	13.16	19 ^h 04 ^m 00.303 ^s -19°39'49.360''	19.2	165	166.5	-16.7	109.3	-2.8	44.8	79
2015/06/23 22:57:18	11023 QZ	1986	17.16	5.21	127	1.2	36°52'22'' 48°58'31''	161	1.0	TYC 560600052	11.96	15 ^h 20 ^m 54.895 ^s -13°11'55.171''	6.8	240	139.1	-14.5	55.0	-15.9	45.5	106
2015/06/24 01:05:57	1811 Bruwer	21.9	15.07	1.70	204	2.6	37°09'36'' 48°18'18''	162	2.2	UCAC2 28274832	13.62	19 ^h 30 ^m 45.830 ^s -10°08'14.779''	23.8	215	156.4	-3.3	114.8	-32.5	46.2	142

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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}
2015/06/24 18:09:48	56880 QSI20	2000	5.5	18.23	6.45	38	36°07'01" 49°43'42"	199	1.2 1.2	UCAC2 18209164	11.78	16 ^h 20 ^m 23.072 ^s −32°17'54.256"	5.1	160	153.9	−3.6	63.4	29.4	52.9	184
2015/06/24 22:09:22	5445 Willi- waw	11.5	14.64	1.57	242	1.6	34°39'11" 48°09'10"	209	0.2 4.9	UCAC2 24710019	13.36	19 ^h 02 ^m 14.140 ^s −18°47'44.838"	21.2	176	167.5	−16.4	96.8	−4.8	54.5	93
2015/06/25 21:00:53	2511 Patter- son	18.0	14.63	1.53	70	2.3	37°11'20" 49°48'18"	113	6.1 9.0	UCAC2 21184303	13.41	18 ^h 48 ^m 17.729 ^s −26°14'41.526"	12.4	165	172.2	−16.3	81.6	9.5	63.5	79
2015/06/25 21:16:13	5160 Camoës	7.2	16.08	4.17	197	0.9	38°04'55" 48°42'51"	139	0.4 2.9	UCAC2 26338720	11.93	19 ^h 23 ^m 04.383 ^s −15°20'06.475"	22.0	157	162.4	−16.6	90.6	7.2	63.6	99
2015/06/25 22:54:00	3979 Brorsen	19.2	17.57	5.74	233	1.8	34°20'24" 51°44'16"	324	2.0 3.7	UCAC2 30783335	11.83	23 ^h 37 ^m 02.459 ^s −3°04'32.741"	15.9	115	100.3	−14.8	153.3	−8.0	64.2	209
2015/06/26 18:43:49	308 Polyxo	140.7	11.70	0.86	115	14.1	35°44'31" 49°04'40"	200	29.4 44.5	UCAC2 26093775	11.50	18 ^h 53 ^m 59.718 ^s −15°51'21.994"	10.1	130	169.1	−7.4	72.8	27.3	71.6	119
2015/06/27 18:40:21	46382 XP85	2001	5.0	16.65	5.31	49	35°52'55" 50°24'19"	324	1.6 1.8	TYC 566900902	11.35	17 ^h 45 ^m 49.676 ^s −13°02'25.956"	20.1	144	166.3	−7.0	44.3	26.7	80.1	111
2015/06/27 19:10:35	3816 Chugainov	15.1	16.16	2.74	91	2.1	37°28'34" 49°45'05"	111	3.0 3.4	UCAC2 20162845	13.51	13 ^h 51 ^m 02.367 ^s −28°22'59.875"	6.8	208	119.1	−9.9	20.1	25.4	80.1	178
2015/06/28 22:03:37	2804 Yrjö	22.8	14.87	1.71	120	2.0	35°04'54" 50°47'55"	314	4.5 6.4	UCAC2 24426412	13.41	18 ^h 21 ^m 44.644 ^s −19°10'32.256"	20.5	188	175.6	−16.6	38.1	12.0	88.4	142
2015/06/29 20:05:34	3219 Komaki	15.8	15.66	2.19	241	1.6	34°27'23" 48°14'22"	213	1.1 4.4	UCAC2 23257158	13.63	19 ^h 43 ^m 07.816 ^s −21°31'15.396"	10.0	142	163.7	−14.1	45.2	22.5	93.8	145
2015/06/30 21:32:34	38525 TY288	1999	6.0	17.61	7.04	128	36°47'47" 51°08'57"	17	1.0 1.3	TYC 684402339	10.57	18 ^h 21 ^m 06.026 ^s −23°50'55.489"	16.2	183	176.2	−17.0	12.9	20.5	98.0	190