

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 2.1.1
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 78

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 1		LinOccult 2.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Dist	Alt	Dist	Alt	Phase (%)	σ_{km}	
2013/05/01 17:39:26	1838 Ursa	34.9	16.83	5.15	52	1.1	35°48'41" 49°41'60"	221	5.2 5.3	UCAC2 46130251	11.69	6 ^h 37 ^m 50.835 ^s 41°25'05.705"	47.5	283	58.1	-7.4	146.5	-43.3	58.4	260
2013/05/02 21:11:38	24513 2001 BL35	10.0	17.74	8.02	43	0.9	36°29'53" 50°24'29"	21	2.0 2.1	TYC 99401125	9.72	17 ^h 51 ^m 05.221 ^s 7°30'38.415"	29.2	116	127.3	-24.4	53.6	-16.6	45.6	194
2013/05/03 18:02:58	444 Gypsis	159.6	13.72	3.23	272	5.6	35°13'53" 47°42'19"	196	13.8 27.4	TYC 77400836	10.54	7 ^h 12 ^m 26.124 ^s 13°28'47.272"	29.0	256	64.9	-10.0	138.4	-44.1	36.1	227
2013/05/03 21:18:04	3239 Meizhou	5.0	16.95	8.13	236	2.8	37°45'49" 51°57'19"	26	0.0 3.8	TYC 624200750	8.82	17 ^h 21 ^m 03.836 ^s -20°28'07.305"	10.2	140	142.4	-24.2	70.2	-20.0	34.8	53
2013/05/04 00:06:26	10141 Gotenba	11.5	15.46	2.09	221	1.0	34°23'49" 51°38'05"	323	1.0 3.2	UCAC2 23387787	13.54	15 ^h 08 ^m 29.509 ^s -21°15'09.213"	13.1	211	172.1	-15.9	102.7	6.3	33.5	141
2013/05/04 18:40:53	1020 Arcadia	12.6	15.67	5.53	60	1.2	35°43'43" 49°38'39"	222	3.3 3.6	TYC 556600024	10.15	14 ^h 21 ^m 39.174 ^s -9°48'42.714"	22.5	141	171.2	-14.2	126.2	-40.3	26.0	140
2013/05/04 21:41:36	20332 1998 HO49	5.0	16.81	5.21	54	0.6	36°37'01" 50°28'47"	26	1.6 1.8	TYC 502800715	11.61	15 ^h 37 ^m 29.613 ^s -6°23'01.865"	33.1	168	164.4	-23.9	109.6	-20.0	24.8	108
2013/05/04 23:34:53	17544 1993 RF2	5.2	17.08	9.42	68	1.5	35°23'38" 49°51'03"	251	1.9 3.3	TYC 739200549	7.66	18 ^h 16 ^m 10.795 ^s -31°09'33.210"	6.8	162	130.5	-18.5	73.6	-2.5	23.9	63
2013/05/05 00:10:34	3428 Roberts	13.8	15.82	3.86	246	2.5	33°11'23" 49°07'13"	245	0.9 3.8	UCAC2 24648967	12.00	17 ^h 43 ^m 07.304 ^s -18°51'06.308"	21.1	176	138.3	-15.2	79.9	3.2	23.9	145
2013/05/05 17:58:01	184 Dejojeja	66.5	14.47	1.06	119	1.6	34°55'53" 49°25'56"	235	8.8 9.7	UCAC2 40144078	13.92	5 ^h 07 ^m 40.731 ^s 23°42'56.946"	16.3	288	32.9	-8.9	82.0	-37.8	17.5	274
2013/05/05 18:43:18	10142 Sakka	13.8	17.58	4.77	65	1.3	37°09'24" 50°12'52"	73	2.6 2.7	UCAC2 40689049	12.83	10 ^h 13 ^m 32.767 ^s 25°09'04.414"	57.5	231	100.7	-14.2	145.3	-37.6	17.2	205
2013/05/05 19:28:57	2115 Irakli	21.1	17.05	4.52	26	0.6	36°35'31" 49°55'32"	122	3.1 3.1	UCAC2 38220224	12.55	6 ^h 04 ^m 50.499 ^s 18°16'10.335"	7.0	290	46.1	-18.5	94.7	-35.7	17.0	269
2013/05/05 23:17:06	3476 Dong-guan	31.5	17.12	7.13	217	0.8	34°31'21" 51°38'45"	325	3.4 4.8	TYC 291200164	9.99	5 ^h 56 ^m 01.976 ^s 38°59'09.018"	0.6	345	46.0	-19.7	89.3	-8.9	15.8	264
2013/05/06 19:02:26	18952 2000 QF105	12.6	18.06	4.11	245	0.5	33°46'60" 48°34'32"	228	1.2 2.1	UCAC2 41708208	13.98	8 ^h 14 ^m 33.839 ^s 28°09'59.590"	38.3	270	73.5	-15.9	109.4	-33.5	10.1	240
2013/05/06 22:27:39	25735 2000 AS195	6.9	18.06	5.94	180	1.2	34°20'44" 51°06'02"	310	0.9 1.5	TYC 551700254	12.13	11 ^h 50 ^m 08.022 ^s -7°54'34.493"	12.0	242	134.0	-22.2	168.6	-18.8	9.3	180
2013/05/07 22:23:41	14497 1995 DD	10.0	16.58	4.52	115	0.9	36°26'01" 49°01'22"	175	2.0 2.7	TYC 611901430	12.08	13 ^h 18 ^m 28.798 ^s -21°25'47.946"	10.9	216	155.8	-22.1	169.5	-21.0	4.2	148
2013/05/07 22:23:41	14497 1995 DD	10.0	16.58	4.59	115	0.9	36°26'01" 49°01'22"	175	2.0 2.7	UCAC2 23378644	12.01	13 ^h 18 ^m 28.798 ^s -21°25'47.946"	10.9	216	155.8	-22.1	169.5	-21.0	4.2	148
2013/05/08 17:42:59	3788 Steyaert	13.8	15.32	3.86	99	1.5	36°01'32" 49°10'43"	191	3.2 4.2	UCAC2 31696155	11.49	14 ^h 59 ^m 09.589 ^s 0° - 13'44.550"	20.9	117	163.0	-6.3	160.7	-16.2	1.6	130
2013/05/08 19:40:30	23009 1999 VL149	6.6	17.77	6.48	128	0.5	37°36'42" 50°50'05"	47	1.1 1.3	TYC 616900953	11.29	15 ^h 11 ^m 40.202 ^s -16°43'26.029"	18.4	150	177.8	-18.6	164.4	-24.9	1.4	205
2013/05/08 19:40:40	925 Alphon-sina	54.3	13.60	2.08	89	1.7	35°20'49" 49°31'12"	229	10.0 11.1	TYC 135400287	11.69	7 ^h 14 ^m 40.969 ^s 19°28'34.130"	15.1	282	59.4	-18.6	73.0	-24.9	1.4	194

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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}	
2013/05/09 18:17:51	105 Artemis	119.1	13.09	1.16	46	6.5	36°19'50" 49°38'11"	176	32.0 33.8	TYC 23300691	12.39	9 ^h 15 ^m 37.407 ^s 6°09'51.385"	35.2	231	90.3	-10.4	93.2	-12.4	0.1	136	
2013/05/09 21:21:21	5848 Haru- toriko	7.9	18.19	6.77	55	2.2	35°51'25" 49°38'01"	214	1.8 1.9	UCAC2 23720410	11.42	18 ^h 37 ^m 13.176 ^s -20°45'13.533"	4.3	130	130.5	-22.6	128.9	-23.1	0.0	171	
2013/05/10 20:19:14	2014 Vasilievskis	12.6	17.77	4.49	102	0.5	36°51'50" 49°12'52"	156	2.1 2.3	UCAC2 32358868	13.30	8 ^h 04 ^m 51.671 ^s 1°53'23.022"	2.3	270	73.7	-20.6	64.7	-17.1	0.6	216	
2013/05/10 22:52:49	15590 2000 GH82	8.7	16.68	5.39	191	1.0	33°40'35" 49°41'27"	258	1.1 2.1	UCAC2 30085942	11.30	19 ^h 16 ^m 20.828 ^s -5°04'45.987"	24.8	134	118.9	-19.9	129.0	-20.6	0.8	169	
2013/05/11 19:37:40	19329 1996 XZ30	5.2	18.59	7.16	153	1.2	38°25'22" 50°11'10"	84	0.8 1.3	UCAC2 29101278	11.43	11 ^h 59 ^m 10.343 ^s -7°45'44.216"	29.6	204	131.4	-17.7	111.6	-7.8	3.0	165	
2013/05/11 22:55:33	848 Inna	19.1	15.99	5.18	200	6.5	35°38'05" 51°47'36"	347	2.1 4.9	TYC 630800715	10.82	19 ^h 18 ^m 57.847 ^s -20°57'44.269"	10.9	143	122.8	-19.5	144.2	-20.1	3.5	154	
2013/05/12 01:03:54	8397 Chiaki- tanaka	10.0	17.49	4.30	174	0.8	38°40'45" 49°48'15"	99	1.4 2.0	UCAC2 28461653	13.21	20 ^h 28 ^m 31.677 ^s -9°43'49.931"	26.5	152	104.1	-7.4	126.4	-15.3	3.8	200	
2013/05/12 23:47:07	23921 1998 SH135	6.9	18.27	6.81	221	0.7	38°31'17" 51°26'38"	46	0.7 1.4	UCAC2 28753266	11.46	17 ^h 14 ^m 33.583 ^s -8°53'39.304"	31.0	186	150.5	-15.4	167.5	-20.1	8.0	193	
2013/05/13 17:54:29	26421 1999 XP113	6.9	17.67	7.72	85	0.7	35°39'40" 49°23'46"	212	1.5 1.7	TYC 491500228	9.96	10 ^h 31 ^m 02.452 ^s -2°41'50.124"	35.0	203	107.2	-6.7	66.4	19.5	12.3	158	
2013/05/13 18:46:29	402 Chloe	54.2	14.06	0.95	136	1.4	35°45'13" 48°52'44"	196	8.8 11.2	UCAC2 39470517	13.69	6 ^h 57 ^m 12.293 ^s 21°41'54.667"	19.4	281	50.3	-12.6	9.6	11.5	12.5	192	
2013/05/13 20:17:56	5747 1991 CO3	12.0	16.58	3.12	246	0.5	33°46'22" 51°35'26"	314	1.0 2.9	UCAC2 29269930	13.53	8 ^h 46 ^m 40.783 ^s -7°15'45.772"	0.3	258	83.9	-19.8	44.8	-1.4	12.9	168	
2013/05/13 23:50:20	92209 Ping- tang	7.2	18.02	8.21	99	0.5	36°45'59" 49°12'50"	160	1.2 1.4	TYC 618100621	9.81	15 ^h 08 ^m 50.878 ^s -21°31'12.829"	10.8	216	175.5	-14.9	133.4	-20.2	13.9	208	
2013/05/14 17:29:59	992 Swasey	27.3	16.50	2.81	113	0.7	35°33'17" 49°09'11"	208	3.6 4.0	UCAC2 37140058	13.78	5 ^h 58 ^m 51.781 ^s 15°20'08.380"	17.0	274	36.6	-3.4	15.9	29.6	19.0	275	
2013/05/15 18:11:05	16457 1989 VF	10.0	16.98	4.47	67	0.8	36°56'50" 50°28'48"	44	2.0 2.1	UCAC2 23386957	12.53	15 ^h 01 ^m 05.337 ^s -21°21'27.824"	9.4	140	172.8	-8.3	110.8	28.6	27.2	187	
2013/05/15 18:46:54	2908 Shi- moyama	29.4	17.39	5.32	116	0.7	37°44'30" 49°35'39"	116	4.1 4.6	UCAC2 37320531	12.08	5 ^h 51 ^m 41.146 ^s 15°50'16.218"	3.6	291	33.8	-12.2	29.8	23.0	27.5	255	
2013/05/15 20:47:56	38439 1999 SQ4	7.6	18.39	7.88	217	1.4	38°45'24" 48°56'37"	125	0.8 1.5	TYC 493900269	10.51	12 ^h 01 ^m 56.459 ^s -1°55'21.021"	27.2	228	126.2	-20.5	62.4	4.2	28.1	204	
2013/05/15 21:14:30	523 Ada	31.9	15.21	4.39	117	3.4	37°31'00" 50°44'59"	48	5.7 7.1	TYC 684101702	10.84	17 ^h 58 ^m 45.944 ^s -23°30'29.333"	8.0	143	145.3	-21.0	150.2	0.3	28.3	179	
2013/05/16 00:00:11	3109 Machin	22.9	14.64	2.28	173	2.5	34°39'14" 51°12'38"	318	2.1 8.9	UCAC2 21333962	12.50	15 ^h 26 ^m 16.579 ^s -25°57'12.744"	6.7	214	172.9	-13.6	114.2	-19.4	29.4	102	
2013/05/16 20:08:36	640 Brambilla	80.8	13.53	0.74	139	8.5	35°25'14" 48°56'13"	207	14.1 23.0	UCAC2 25578031	13.56	17 ^h 32 ^m 32.177 ^s -16°42'35.374"	10.2	132	151.8	-18.6	133.1	15.0	36.9	138	
2013/05/16 20:27:58	67193 2000 CY57	9.1	18.59	6.89	64	0.6	37°09'25" 50°10'09"	78	1.5 1.5	UCAC2 17301286	11.70	16 ^h 24 ^m 08.626 ^s -34°00'12.166"	2.4	157	161.5	-19.5	117.0	11.9	37.1	241	

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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}
2013/05/17 19:26:55	2787 Tovar-ishch	17.4	15.99	4.56	257	1.4	38°32'59" 51°51'35"	39	1.3	UCAC2 19432392	11.44	16 ^h 17 ^m 38.127 ^s −29°58'29.173"	2.3	146	166.1	-15.5	104.3	25.7	46.3	174
2013/05/17 23:09:32	10112 1992 OP1	11.5	17.40	4.05	130	1.0	34°33'53" 49°41'39"	252	2.0	UCAC2 30280056	13.38	20 ^h 30 ^m 14.637 ^s −4°54'29.294"	21.3	127	107.8	-17.3	162.4	-8.8	47.9	182
2013/05/18 18:49:36	1296 Andree	25.3	16.43	4.25	71	0.7	36°21'50" 50°40'57"	4	5.3	UCAC2 38244914	12.21	7 ^h 30 ^m 12.530 ^s 18°22'50.916"	18.6	277	53.6	-11.9	43.2	33.8	56.1	176
2013/05/19 18:23:06	3650 Kun-ming	28.2	18.29	6.05	122	0.8	37°34'08" 50°46'50"	48	3.3	UCAC2 43945227	12.24	6 ^h 31 ^m 33.657 ^s 34°40'41.768"	24.8	295	39.3	-8.9	72.1	37.2	66.0	316
2013/05/20 17:43:01	4772 1989 VM	28.8	17.90	4.29	47	0.8	35°56'57" 50°24'50"	329	4.1	UCAC2 36447864	13.63	6 ^h 56 ^m 05.902 ^s 13°13'50.907"	18.7	268	45.0	-3.9	75.9	36.5	75.4	274
2013/05/20 18:57:30	24164 1999 WM3	7.6	17.38	6.56	56	0.6	35°36'43" 49°48'03"	240	1.5	TYC 678801103	10.82	16 ^h 07 ^m 12.214 ^s −27°22'16.556"	4.0	143	171.7	-12.3	64.0	33.6	75.8	195
2013/05/20 21:30:45	3260 Vizbor	18.1	15.65	4.11	42	4.5	35°42'04" 50°06'27"	279	7.2	TYC 555000347	11.56	13 ^h 16 ^m 37.627 ^s −12°58'08.601"	18.6	220	142.5	-20.0	20.4	17.0	76.8	90
2013/05/20 22:17:43	2686 Linda Susan	15.8	16.67	6.18	238	2.9	34°01'54" 48°30'01"	223	1.6	TYC 571601058	10.49	19 ^h 13 ^m 34.267 ^s −13°01'26.094"	18.4	140	131.1	-19.2	106.0	10.2	77.1	201
2013/05/21 20:50:01	29493 1997 WR5	5.0	17.84	7.00	128	0.5	35°22'51" 49°03'29"	210	0.9	TYC 624400708	10.85	17 ^h 11 ^m 46.335 ^s −21°38'52.892"	13.8	152	161.9	-19.3	63.3	24.0	85.3	135
2013/05/21 21:09:21	1297 Quadea	66.0	16.69	4.50	4	3.5	36°20'08" 50°01'57"	115	11.6	UCAC2 34107557	12.20	9 ^h 38 ^m 52.027 ^s 6°47'20.965"	6.1	273	84.0	-19.7	51.0	21.9	85.4	225
2013/05/22 17:25:14	38401 1999 RJ197	5.0	18.71	6.98	122	0.5	37°30'11" 50°49'35"	45	0.8	UCAC2 21780516	11.74	14 ^h 03 ^m 27.001 ^s −24°38'33.747"	10.0	150	153.3	-1.3	13.6	23.5	91.5	197
2013/05/22 17:35:44	288 Glauke	32.2	15.46	3.50	34	0.8	36°45'11" 50°07'23"	76	5.2	UCAC2 39820610	12.00	6 ^h 23 ^m 32.219 ^s 22°35'01.948"	20.4	281	33.8	-2.6	112.3	24.2	91.6	246
2013/05/22 17:47:04	15427 Shabas	10.5	15.84	2.15	95	0.9	35°31'37" 49°21'18"	215	2.0	UCAC2 28746483	13.85	16 ^h 16 ^m 02.277 ^s −8°48'10.563"	11.4	119	167.6	-4.1	38.2	24.9	91.6	179
2013/05/22 19:49:17	20751 2000 AA200	8.7	17.66	6.39	98	1.1	36°19'08" 50°55'49"	1	1.8	UCAC2 32445350	11.27	19 ^h 51 ^m 14.896 ^s 1°36'00.259"	5.3	94	118.9	-16.1	91.7	27.1	92.1	166
2013/05/23 17:38:58	385 Ilmatar	91.5	13.10	1.43	88	2.0	36°57'49" 50°42'26"	33	13.4	UCAC2 43236728	12.00	5 ^h 16 ^m 55.368 ^s 32°59'24.307"	17.0	301	20.8	-2.9	140.5	16.5	96.9	256
2013/05/23 17:38:58	385 Ilmatar	91.5	13.10	1.80	88	2.0	36°57'49" 50°42'26"	33	13.4	TYC 239400394	11.52	5 ^h 16 ^m 55.368 ^s 32°59'24.307"	17.0	301	20.8	-2.9	140.5	16.5	96.9	256
2013/05/24 00:29:18	3178 Yoshit-sune	13.2	17.18	4.15	62	1.1	36°29'28" 50°35'03"	14	2.3	UCAC2 24430250	13.06	18 ^h 25 ^m 52.331 ^s −19°21'24.590"	20.3	189	146.5	-9.1	49.7	4.3	98.0	222
2013/05/24 18:20:03	46862 1998 QP74	5.0	17.69	7.60	8	0.6	36°20'59" 49°59'25"	145	1.4	TYC 556600414	10.10	14 ^h 18 ^m 16.450 ^s −10°48'00.501"	26.6	157	152.3	-7.6	21.7	12.2	99.7	138
2013/05/24 20:31:30	4907 Zoser	21.9	18.03	5.71	180	0.6	38°29'35" 50°50'33"	61	2.5	TYC 137200012	12.32	7 ^h 33 ^m 21.017 ^s 20°49'04.327"	1.9	301	48.1	-18.0	127.3	20.7	99.8	287
2013/05/24 20:31:30	4907 Zoser	21.9	18.03	5.88	180	0.6	38°29'35" 50°50'33"	61	2.5	UCAC2 39135643	12.15	7 ^h 33 ^m 21.017 ^s 20°49'04.327"	1.9	301	48.1	-18.0	127.3	20.7	99.8	287

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Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Phase (%)	σ_{km}		
2013/05/24 22:40:28	1246 Chaka	18.1	14.85	1.47	29	0.6	36°21'42" 49°47'23"	169	5.1	UCAC2 32979753	13.70	23 ^h 14 ^m 26.129 ^s 3°26'58.900"	3.0	88	73.0	-17.6	18.8	99.9	137	
2013/05/25 18:21:36	6616 Plotinos	5.8	17.44	5.80	19	0.5	36°10'25" 49°53'40"	205	1.8	UCAC2 26912455	11.65	16 ^h 51 ^m 09.672 ^s -13°51'08.539"	8.7	124	167.9	-7.7	6.2	4.2	99.5	124
2013/05/25 19:20:51	1827 Atkinson	11.0	17.34	6.28	185	0.6	35°21'32" 48°29'55"	201	1.4	TYC 25200791	11.07	10 ^h 20 ^m 31.270 ^s 6°45'19.633"	27.3	246	89.9	-13.5	99.0	10.8	99.4	187
2013/05/25 23:35:48	40538 1999 RV103	5.0	16.49	4.58	222	0.6	34°01'01" 48°42'36"	227	0.2	UCAC2 21334975	11.92	15 ^h 34 ^m 28.732 ^s -25°32'09.717"	6.5	216	170.5	-13.9	20.5	18.0	99.0	107
2013/05/26 00:45:33	2216 Kerch	21.8	15.45	2.19	47	1.9	36°20'41" 50°28'03"	5	5.0	UCAC2 29298312	13.41	17 ^h 02 ^m 58.138 ^s -7°07'00.489"	25.1	220	161.3	-7.0	13.0	13.2	98.9	165
2013/05/26 17:54:57	1004 Belopol- skya	71.6	16.53	3.33	106	2.1	37°11'05" 50°48'30"	37	9.3	UCAC2 38965507	13.25	7 ^h 42 ^m 41.308 ^s 20°09'48.473"	25.7	271	48.6	-4.4	153.5	-7.7	96.3	287
2013/05/26 20:58:53	38477 1999 TR92	5.2	18.65	7.33	204	0.5	35°13'02" 48°21'10"	202	0.6	TYC 498900355	11.32	14 ^h 44 ^m 41.223 ^s -2°44'35.603"	35.9	198	151.4	-18.6	50.1	14.1	95.6	181
2013/05/27 17:58:29	1039 Son- neberga	36.7	16.91	6.72	75	0.9	35°19'31" 49°46'23"	246	5.8	TYC 133800830	10.19	6 ^h 46 ^m 26.139 ^s 19°39'02.027"	15.1	283	34.7	-4.6	178.0	-15.3	90.3	239
2013/05/27 19:59:28	2217 Eltigen	26.1	18.00	7.43	58	0.8	35°28'27" 50°05'00"	274	2.8	UCAC2 39307752	10.57	7 ^h 46 ^m 01.989 ^s 21°10'03.930"	6.9	295	48.1	-15.9	168.4	2.2	89.6	362
2013/05/27 22:43:25	5153 1940 GO	28.1	16.70	3.49	59	1.0	36°56'03" 50°23'04"	51	5.1	UCAC2 41194579	13.25	9 ^h 34 ^m 03.338 ^s 26°41'21.118"	3.6	309	71.0	-17.0	144.7	19.0	88.8	211
2013/05/28 18:35:04	1890 Konoshenkova	25.7	17.30	6.13	74	0.6	35°15'45" 49°59'08"	265	3.7	TYC 187101523	11.17	5 ^h 55 ^m 34.221 ^s 26°45'41.666"	7.1	304	21.9	-8.6	150.0	-16.7	81.8	264
2013/05/28 18:56:51	917 Lyka	28.1	16.71	4.95	193	3.0	34°30'42" 48°45'15"	221	3.5	UCAC2 32871776	11.77	11 ^h 07 ^m 12.248 ^s 3°02'23.788"	32.2	229	99.3	-10.8	131.4	-13.3	81.7	174
2013/05/28 19:55:37	2649 Oongaq	33.1	16.36	4.11	33	3.2	36°12'39" 49°45'21"	189	8.1	UCAC2 25382341	12.27	18 ^h 20 ^m 27.059 ^s -17°02'48.037"	8.2	129	151.9	-15.5	23.6	-4.3	81.3	158
2013/05/30 18:23:15	8082 Haynes	8.7	16.30	6.00	161	0.7	34°47'54" 48°58'33"	222	1.3	TYC 678400241	10.30	16 ^h 11 ^m 06.907 ^s -26°09'23.862"	5.2	143	173.8	-7.1	81.1	-28.8	61.4	144
2013/05/31 19:24:58	11145 Emanuelli	6.3	15.37	3.52	243	1.2	34°05'39" 48°23'48"	220	0.0	TYC 683600522	11.89	17 ^h 44 ^m 40.570 ^s -26°56'18.396"	1.6	138	163.3	-12.8	74.2	-23.3	50.0	74
2013/05/31 19:32:27	14635 1998 VO38	7.6	18.90	6.93	126	0.7	36°39'20" 51°09'20"	12	1.2	UCAC2 25179706	11.97	18 ^h 43 ^m 00.034 ^s -17°55'49.292"	3.0	123	149.7	-13.4	60.0	-22.2	49.9	222
2013/05/31 23:38:55	68851 2002 HV	5.0	18.93	7.88	107	0.7	37°07'01" 50°50'53"	34	0.8	UCAC2 30087034	11.05	19 ^h 18 ^m 52.660 ^s -5°07'50.560"	34.4	169	137.1	-12.8	52.6	15.8	48.1	214
2013/05/31 23:44:27	23129 2000 AO100	13.8	17.09	5.86	171	1.1	35°42'07" 51°32'24"	346	1.9	UCAC2 29656390	11.23	14 ^h 42 ^m 02.150 ^s -6°27'15.098"	12.7	244	148.5	-12.3	121.5	16.6	47.9	198

