

## 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 1.1.1  
Author: Plekhanov Andrey andyp@newtech.ru  
Events number: 79

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Page 1		LinOccult 1.1.1						
		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2008/07/01 19:10:12	11107 Hakkoda	10.0	18.73	5.34	222	0.5	36°17'51'' 52°02'17''	0	0.5	UCAC2 29838910	13.40	12 <sup>h</sup> 03 <sup>m</sup> 14.568 <sup>s</sup> −5°37'39.203''	12.3	245	82.8	−10.0	101.4	−11.2	2.7	110
2008/07/01 20:06:30	37777 GE32	5.0	19.08	8.07	195	1.6	36°03'22'' 51°47'34''	355	0.6	TYC 614600606	11.01	14 <sup>h</sup> 11 <sup>m</sup> 31.013 <sup>s</sup> −19°45'22.135''	9.7	223	117.0	−14.3	135.1	−12.6	2.5	212
2008/07/02 01:37:07	858 El Djazair	23.5	15.82	3.25	217	0.5	37°31'51'' 48°16'18''	156	0.2	UCAC2 40823206	12.63	5 <sup>h</sup> 59 <sup>m</sup> 53.011 <sup>s</sup> 25°39'47.543''	8.3	59	10.7	−0.0	4.4	12.2	1.7	77
2008/07/02 20:24:56	609 Fulvia	54.2	14.13	1.65	206	4.9	36°02'25'' 51°53'21''	355	0.0	UCAC2 25380129	12.75	18 <sup>h</sup> 16 <sup>m</sup> 03.671 <sup>s</sup> −17°27'48.685''	22.0	169	170.6	−15.4	169.9	−12.4	0.2	50
2008/07/02 21:37:59	609 Fulvia	54.2	14.13	1.61	215	4.9	37°10'39'' 48°12'11''	163	0.0	UCAC2 25380099	12.80	18 <sup>h</sup> 16 <sup>m</sup> 01.138 <sup>s</sup> −17°27'51.921''	22.2	188	170.6	−17.2	169.7	−13.6	0.1	50
2008/07/02 23:08:57	92242 AO148	6.0	18.02	6.14	74	0.6	36°48'39'' 50°37'25''	30	1.2	UCAC2 31595616	11.89	20 <sup>h</sup> 25 <sup>m</sup> 17.567 <sup>s</sup> 0° −35'24.612''	39.5	178	147.7	−14.5	144.2	−10.7	0.1	192
2008/07/03 19:07:06	17563 Tsuneyoshi	8.3	17.00	6.04	40	0.7	36°30'13'' 50°22'53''	23	2.9	UCAC2 21839152	10.96	18 <sup>h</sup> 04 <sup>m</sup> 48.136 <sup>s</sup> −24°38'34.515''	11.9	156	168.9	−9.9	159.3	−4.4	0.8	105
2008/07/03 19:12:58	4357 Ko-rinthos	15.1	16.55	3.08	118	8.5	37°48'14'' 50°29'10''	66	2.7	UCAC2 29287650	13.53	14 <sup>h</sup> 56 <sup>m</sup> 05.454 <sup>s</sup> −7°23'38.893''	29.4	206	121.3	−10.4	111.1	−5.1	0.8	84
2008/07/04 01:22:20	54656 SX362	27.5	17.64	6.54	67	1.7	37°12'25'' 50°09'07''	80	3.5	TYC 96301113	11.10	16 <sup>h</sup> 22 <sup>m</sup> 32.399 <sup>s</sup> 10°27'30.145''	5.7	280	130.2	−2.1	118.7	−8.5	1.4	303
2008/07/04 20:59:29	13384 XG79	12.0	16.45	3.43	66	0.9	35°35'51'' 50°26'25''	312	2.9	UCAC2 24944321	13.06	18 <sup>h</sup> 44 <sup>m</sup> 30.332 <sup>s</sup> −18°16'31.802''	21.5	173	174.7	−16.8	152.4	−13.9	4.5	147
2008/07/04 21:20:09	35684 BO5	7.6	17.13	5.38	222	3.7	37°53'21'' 51°45'50''	31	0.3	UCAC2 27015365	11.76	22 <sup>h</sup> 16 <sup>m</sup> 12.948 <sup>s</sup> −13°53'04.314''	10.3	127	132.1	−17.2	156.5	−15.6	4.5	102
2008/07/04 21:44:51	2733 Hamina	7.6	18.04	6.99	178	0.5	38°37'10'' 49°30'03''	110	0.1	TYC 467500344	11.05	0 <sup>h</sup> 32 <sup>m</sup> 56.497 <sup>s</sup> −4°59'40.814''	1.0	99	97.5	−17.3	122.3	−17.5	4.7	65
2008/07/04 22:22:02	4286 Rubtsov	15.8	16.55	3.82	223	2.5	36°02'12'' 52°02'31''	355	0.2	UCAC2 30293817	12.77	23 <sup>h</sup> 25 <sup>m</sup> 53.937 <sup>s</sup> −4°45'52.531''	17.0	120	112.9	−16.7	138.2	−19.6	4.8	84
2008/07/04 23:20:17	3486 Fulchignoni	6.6	17.43	5.55	234	0.6	38°31'21'' 48°32'12''	136	0.1	TYC 684901636	11.89	17 <sup>h</sup> 58 <sup>m</sup> 16.909 <sup>s</sup> −27°06'34.506''	5.1	215	165.9	−14.0	140.5	−21.3	5.0	89
2008/07/04 23:42:53	7618 Gotoyukichi	7.9	16.83	4.91	221	0.8	37°37'45'' 48°15'49''	154	0.1	TYC 631601454	11.94	19 <sup>h</sup> 50 <sup>m</sup> 52.621 <sup>s</sup> −18°40'32.952''	19.7	198	166.9	−12.3	166.6	−21.3	5.1	83
2008/07/05 21:24:43	100119 OB	6.3	15.84	4.91	89	0.6	35°26'46'' 49°27'32''	223	1.6	TYC 574101732	10.94	20 <sup>h</sup> 19 <sup>m</sup> 53.493 <sup>s</sup> −9°07'12.524''	27.6	154	156.8	−17.4	160.6	−16.1	10.6	125
2008/07/07 00:11:55	520 Franziska	28.7	16.12	3.93	152	0.6	38°17'04'' 49°35'41''	109	0.5	UCAC2 42026815	12.22	5 <sup>h</sup> 39 <sup>m</sup> 37.064 <sup>s</sup> 29°01'32.831''	5.0	49	20.4	−10.1	72.1	−31.6	19.4	55
2008/07/07 23:39:44	29574 FM45	10.5	18.05	4.50	222	0.9	34°04'05'' 51°28'15''	315	1.1	UCAC2 25439333	13.57	20 <sup>h</sup> 35 <sup>m</sup> 02.466 <sup>s</sup> −17°24'03.858''	22.2	189	159.4	−12.9	136.4	−31.7	28.4	263
2008/07/08 18:25:04	91874 UW43	5.0	18.14	7.14	130	0.6	34°54'52'' 49°17'20''	229	0.5	UCAC2 19971756	11.00	17 <sup>h</sup> 26 <sup>m</sup> 46.982 <sup>s</sup> −28°50'02.377''	8.8	161	155.3	−5.9	82.1	15.7	35.9	387
2008/07/09 01:27:38	368 Haidea	69.6	16.11	3.42	184	1.7	34°51'58'' 51°26'18''	327	3.3	UCAC2 38930011	12.74	5 <sup>h</sup> 30 <sup>m</sup> 05.920 <sup>s</sup> 20°21'47.092''	11.2	72	24.3	−2.0	100.9	−43.0	38.9	84

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 2		LinOccult 1.1.1			
		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2008/07/10 19:26:14	3261 Tvardovskij	15.1	15.43	3.75	83	1.6	36°24'59" 50°47'24"	6	3.2	UCAC2 25216445	11.72	20 <sup>h</sup> 16 <sup>m</sup> 27.603 <sup>s</sup> -17°47'52.074"	10.5	135	166.4	-12.2	96.7	9.7	56.2	52	
2008/07/10 20:00:26	3210 Lupishko	19.1	16.35	2.80	147	2.4	37°46'19" 49°08'23"	134	2.9	UCAC2 29294355	13.63	16 <sup>h</sup> 23 <sup>m</sup> 43.196 <sup>s</sup> -7°17'08.157"	30.3	203	134.8	-14.7	43.3	5.2	56.5	117	
2008/07/10 23:20:41	1209 Pumma	25.1	16.41	2.98	135	1.6	36°02'56" 51°15'03"	353	4.4	UCAC2 31970265	13.50	1 <sup>h</sup> 23 <sup>m</sup> 22.387 <sup>s</sup> 0°53'30.368"	16.4	109	89.3	-14.6	165.4	-25.5	57.8	118	
2008/07/11 19:07:45	32492 2000 VJ15	7.9	16.11	4.95	184	2.2	38°42'13" 49°30'27"	109	0.9	TYC 736002692	11.17	17 <sup>h</sup> 01 <sup>m</sup> 19.454 <sup>s</sup> -31°12'38.756"	8.8	178	146.7	-10.6	39.4	12.8	65.6	136	
2008/07/11 21:39:42	41281 1999 XZ95	6.9	18.63	6.82	211	0.7	38°20'54" 48°42'25"	135	0.8	UCAC2 21350473	11.81	16 <sup>h</sup> 51 <sup>m</sup> 17.007 <sup>s</sup> -25°48'41.149"	6.9	214	144.6	-18.2	35.5	-6.4	66.5	197	
2008/07/12 18:54:56	4952 Kibeshige-mar	16.6	15.61	1.98	143	1.3	38°02'19" 49°26'32"	118	2.8	UCAC2 25431179	13.82	19 <sup>h</sup> 44 <sup>m</sup> 47.581 <sup>s</sup> -17°18'32.028"	11.9	136	174.2	-9.5	66.0	14.1	74.1	132	
2008/07/12 21:53:17	2457 Rublyov	9.5	17.05	6.96	5	1.7	36°14'19" 50°00'33"	219	4.8	TYC 558500990	10.09	15 <sup>h</sup> 15 <sup>m</sup> 29.761 <sup>s</sup> -9°48'43.138"	6.8	246	118.1	-18.3	13.3	-4.8	75.2	79	
2008/07/13 00:02:52	452 Hamiltonia	19.1	14.97	1.93	194	1.7	34°10'59" 51°10'27"	310	0.6	UCAC2 22343444	13.24	19 <sup>h</sup> 22 <sup>m</sup> 39.899 <sup>s</sup> -23°33'25.646"	9.3	214	177.5	-11.7	56.8	-23.9	75.9	83	
2008/07/13 19:14:16	5478 Wartburg	8.3	17.05	5.51	135	0.7	36°38'47" 51°14'12"	11	1.5	TYC 571501006	11.54	19 <sup>h</sup> 05 <sup>m</sup> 03.102 <sup>s</sup> -12°25'02.700"	22.6	149	168.5	-11.5	46.9	12.9	82.0	118	
2008/07/13 19:19:51	10637 Heimlich	10.0	17.75	5.31	87	1.4	35°27'58" 49°28'05"	222	1.9	UCAC2 15329460	12.45	16 <sup>h</sup> 44 <sup>m</sup> 58.273 <sup>s</sup> -38°51'56.198"	1.0	185	140.2	-12.0	17.3	12.6	82.1	190	
2008/07/14 19:19:42	4773 Hayakawa	9.5	17.80	6.42	85	0.6	37°03'43" 50°37'57"	40	2.6	TYC 554601359	11.38	13 <sup>h</sup> 43 <sup>m</sup> 03.753 <sup>s</sup> -9°32'27.355"	14.6	235	94.8	-12.1	46.4	12.7	88.7	71	
2008/07/14 19:39:53	108750 2001 OC43	6.0	18.51	8.27	230	0.8	33°10'10" 49°34'54"	257	0.5	TYC 680402051	10.24	16 <sup>h</sup> 40 <sup>m</sup> 38.099 <sup>s</sup> -28°05'57.899"	11.0	193	139.5	-13.8	1.6	12.2	88.8	407	
2008/07/14 21:16:22	87934 2000 SF347	6.9	17.56	6.30	162	0.5	37°17'24" 51°21'33"	26	1.0	TYC 518201529	11.26	20 <sup>h</sup> 46 <sup>m</sup> 32.065 <sup>s</sup> -2°57'18.495"	33.5	152	155.0	-18.4	61.4	6.6	89.2	128	
2008/07/14 22:01:34	30667 1177 T-2	5.5	19.32	7.74	124	1.4	36°50'53" 48°59'27"	161	0.9	TYC 561000201	11.58	15 <sup>h</sup> 52 <sup>m</sup> 08.158 <sup>s</sup> -8°18'16.561"	11.0	243	124.2	-18.5	23.7	2.4	89.5	185	
2008/07/15 22:57:02	3175 Netto	17.6	18.25	4.70	39	0.6	35°53'59" 50°17'35"	315	10.3	UCAC2 37118621	13.56	2 <sup>h</sup> 30 <sup>m</sup> 10.917 <sup>s</sup> 15°00'59.873"	16.0	86	73.6	-16.8	132.7	1.8	94.7	50	
2008/07/15 23:22:50	57356 2001 QG293	8.3	15.07	5.01	69	0.7	37°08'32" 50°20'31"	62	2.4	HIP 94848	10.07	19 <sup>h</sup> 17 <sup>m</sup> 58.072 <sup>s</sup> -8°13'24.778"	25.7	215	165.6	-15.3	28.6	-1.0	94.7	117	
2008/07/16 21:12:05	41538 2000 RC30	5.0	17.35	5.36	127	1.0	35°58'51" 51°10'10"	350	0.9	UCAC2 36031533	11.99	21 <sup>h</sup> 06 <sup>m</sup> 23.065 <sup>s</sup> 11°32'12.457"	45.6	140	141.7	-18.7	52.6	13.1	97.9	96	
2008/07/17 01:08:25	4730 Xingmingzhou	25.1	17.34	6.89	223	0.6	38°13'40" 48°29'30"	141	0.6	UCAC2 39444034	10.46	5 <sup>h</sup> 24 <sup>m</sup> 12.833 <sup>s</sup> 21°39'23.667"	14.9	74	33.1	-5.4	160.8	-6.5	98.4	94	
2008/07/17 01:32:28	5153 1940 GO	28.1	15.90	3.00	175	0.6	34°55'18" 51°21'51"	326	3.7	UCAC2 40337150	12.97	7 <sup>h</sup> 04 <sup>m</sup> 36.084 <sup>s</sup> 24°03'27.585"	5.6	59	10.1	-2.4	175.5	-9.7	98.4	225	
2008/07/18 20:49:32	13647 Rey	7.9	16.45	4.12	113	0.9	35°02'27" 50°40'58"	308	1.4	TYC 689501356	12.36	19 <sup>h</sup> 54 <sup>m</sup> 06.156 <sup>s</sup> -24°40'42.908"	14.5	168	176.1	-18.4	7.2	17.1	99.7	188	

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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 (%)	$\sigma_{km}$
2008/07/18 22:17:25	6036 Weinberg	12.0	15.28	3.48	214	1.6	37°16'33" 48°14'13"	161	0.7	UCAC2 32782608	11.84	20 <sup>h</sup> 01 <sup>m</sup> 53.012 <sup>s</sup> 2°52'56.242"	42.6	190	156.2	-18.8	24.2	19.4	99.6	115
2008/07/19 01:32:00	1112 Polonia	35.8	15.72	2.23	195	0.9	34°34'18" 51°25'11"	321	0.1	UCAC2 41841509	13.64	4 <sup>h</sup> 47 <sup>m</sup> 20.338 <sup>s</sup> 28°56'52.280"	30.9	81	43.0	-2.8	129.0	7.7	99.5	54
2008/07/19 23:22:24	66188 1998 XK79	6.9	18.09	6.90	71	0.5	36°01'60" 50°39'52"	345	0.9	UCAC2 22979043	11.19	18 <sup>h</sup> 24 <sup>m</sup> 50.167 <sup>s</sup> -22°25'31.100"	5.7	224	158.2	-16.0	40.6	23.8	97.3	316
2008/07/21 01:20:14	182 Elsa	43.7	13.52	4.09	194	1.5	34°37'58" 51°26'46"	323	0.0	TYC 64600450	9.46	2 <sup>h</sup> 49 <sup>m</sup> 33.465 <sup>s</sup> 14°13'19.997"	38.0	116	74.3	-4.6	74.3	26.2	92.7	15
2008/07/21 18:15:58	1114 Lorraine	62.2	14.67	1.41	131	5.5	36°52'52" 48°56'11"	161	2.2	UCAC2 29137561	13.60	18 <sup>h</sup> 39 <sup>m</sup> 21.493 <sup>s</sup> -7°38'41.813"	26.9	147	155.6	-6.5	59.6	-4.8	88.4	50
2008/07/21 19:08:27	1381 Danubia	24.0	16.29	2.73	175	4.3	34°02'08" 49°27'18"	248	2.6	UCAC2 19458050	13.65	17 <sup>h</sup> 09 <sup>m</sup> 14.498 <sup>s</sup> -29°53'30.625"	10.0	185	139.2	-12.2	80.8	3.5	88.2	114
2008/07/21 21:05:00	65871 1997 UC22	11.0	16.47	3.74	108	0.9	35°11'20" 49°22'50"	227	2.0	UCAC2 22338234	12.77	19 <sup>h</sup> 08 <sup>m</sup> 55.026 <sup>s</sup> -23°32'25.528"	16.4	185	166.4	-19.4	54.9	20.2	87.6	177
2008/07/23 00:18:48	28 Bellona	120.9	11.71	0.93	245	9.4	34°25'35" 51°54'36"	327	0.0	TYC 571900885	11.39	19 <sup>h</sup> 06 <sup>m</sup> 41.358 <sup>s</sup> -14°52'23.232"	9.0	234	164.0	-11.8	69.0	40.1	78.7	22
2008/07/23 17:35:44	86170 1999 RJ210	6.3	18.71	7.99	184	0.8	38°42'52" 50°36'35"	70	0.8	TYC 736600063	10.72	17 <sup>h</sup> 15 <sup>m</sup> 48.584 <sup>s</sup> -32°45'59.051"	5.9	166	138.5	-1.8	104.8	-14.9	72.1	188
2008/07/23 18:11:03	6670 Wallach	13.2	13.79	1.20	191	1.3	38°45'30" 50°44'09"	67	1.6	UCAC2 25428600	13.02	19 <sup>h</sup> 35 <sup>m</sup> 46.892 <sup>s</sup> -17°13'34.934"	12.9	138	170.7	-6.3	72.3	-9.8	71.8	150
2008/07/23 21:33:34	9858 1991 OL1	9.1	17.16	7.29	242	1.0	38°17'26" 48°18'48"	143	0.7	TYC 685802088	9.87	18 <sup>h</sup> 39 <sup>m</sup> 16.845 <sup>s</sup> -22°38'11.579"	14.9	201	157.8	-20.2	88.2	21.9	70.4	157
2008/07/24 01:55:21	67248 2000 FY87	7.6	18.61	6.35	97	0.5	36°18'05" 50°54'52"	1	1.6	TYC 51300117	12.27	20 <sup>h</sup> 54 <sup>m</sup> 34.349 <sup>s</sup> 1°32'01.368"	23.7	242	156.5	-0.6	53.8	47.8	68.6	158
2008/07/24 20:02:49	1888 Zu Chong-Zhi	15.1	16.35	4.05	66	2.5	36°16'17" 49°27'26"	181	5.1	UCAC2 32299365	12.32	22 <sup>h</sup> 48 <sup>m</sup> 20.656 <sup>s</sup> 1°17'39.899"	18.5	111	137.5	-17.1	35.8	4.9	60.7	51
2008/07/24 22:09:50	4202 Minitti	20.9	15.68	2.64	168	4.4	34°11'54" 49°22'53"	244	2.8	UCAC2 29760029	13.14	23 <sup>h</sup> 27 <sup>m</sup> 41.265 <sup>s</sup> -6°15'19.614"	24.0	135	132.1	-20.2	32.0	25.0	59.6	131
2008/07/24 22:48:53	9223 Leifandersson	6.3	16.52	4.69	130	1.5	37°11'29" 49°01'59"	150	0.8	TYC 625500737	11.85	18 <sup>h</sup> 03 <sup>m</sup> 53.557 <sup>s</sup> -18°37'21.552"	8.2	228	148.3	-18.9	110.2	31.0	59.3	81
2008/07/24 23:06:03	3529 Dowling	5.2	16.40	4.07	59	0.7	36°46'28" 49°37'03"	144	1.9	TYC 576800764	12.36	20 <sup>h</sup> 43 <sup>m</sup> 15.154 <sup>s</sup> -13°13'40.629"	25.5	196	171.2	-18.0	71.8	33.6	59.2	85
2008/07/25 00:09:58	1267 Geertruida	23.4	14.31	4.71	210	4.0	38°30'09" 48°49'37"	131	0.0	TYC 694200813	9.62	21 <sup>h</sup> 27 <sup>m</sup> 05.342 <sup>s</sup> -24°33'57.527"	13.4	199	163.3	-13.1	67.3	42.4	58.7	34
2008/07/25 19:26:21	124 Alkeste	76.4	11.79	0.54	184	18.4	37°35'33" 48°37'34"	149	0.0	UCAC2 24651304	12.26	17 <sup>h</sup> 47 <sup>m</sup> 02.876 <sup>s</sup> -18°46'10.968"	21.2	185	143.6	-14.6	125.8	-3.2	49.7	28
2008/07/25 20:22:32	4798 Mercator	6.9	15.74	4.34	141	1.7	34°44'41" 50°50'56"	309	0.6	TYC 686100197	11.42	18 <sup>h</sup> 28 <sup>m</sup> 06.704 <sup>s</sup> -25°14'10.551"	14.4	188	153.2	-18.5	117.8	4.7	49.3	75
2008/07/25 21:06:02	20427 1998 VX44	10.0	17.86	4.46	92	0.8	35°31'27" 50°42'41"	324	2.2	UCAC2 31188180	13.42	16 <sup>h</sup> 59 <sup>m</sup> 38.271 <sup>s</sup> -1°53'44.982"	27.1	228	127.6	-20.3	133.6	11.2	48.9	150

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		LinOccult 1.1.1			
		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2008/07/26 20:50:46	22017 1999 XT104	10.5	16.78	3.99	197	0.9	33°45'10" 50°46'13"	294	1.1	UCAC2 19287302	12.82	19 <sup>h</sup> 40 <sup>m</sup> 41.446 <sup>s</sup> −30°20'15.721"	9.7	179	164.9	-20.0	117.1	4.7	37.7	144
2008/07/26 22:43:07	6782 1990 SU10	10.5	16.48	2.75	213	0.9	37°47'46" 48°24'38"	149	0.3	UCAC2 23754193	13.82	19 <sup>h</sup> 39 <sup>m</sup> 41.781 <sup>s</sup> −20°41'28.581"	15.4	206	169.0	-19.6	116.2	21.2	36.9	93
2008/07/27 00:04:02	1836 Ko-marov	18.2	14.20	1.90	113	3.1	37°01'31" 49°09'24"	152	3.9	UCAC2 24704861	12.50	18 <sup>h</sup> 54 <sup>m</sup> 50.398 <sup>s</sup> −18°38'56.028"	4.2	234	158.4	-14.0	126.7	33.9	36.2	101
2008/07/27 00:55:23	2718 Handley	26.0	18.14	5.73	102	0.6	35°00'39" 49°39'05"	244	5.8	UCAC2 40171569	12.42	7 <sup>h</sup> 00 <sup>m</sup> 05.371 <sup>s</sup> 23°40'13.427"	6.2	60	20.6	-8.7	52.9	41.8	35.9	81
2008/07/27 17:23:27	43567 2001 FL120	5.2	18.19	7.00	89	0.5	36°48'05" 50°46'31"	24	1.0	TYC 630401278	11.19	19 <sup>h</sup> 19 <sup>m</sup> 34.985 <sup>s</sup> −19°19'54.792"	9.3	136	163.6	-0.8	131.4	-14.6	28.4	195
2008/07/27 21:48:03	7592 Takinemachi	11.5	16.86	5.69	215	1.2	38°42'44" 48°55'23"	126	0.4	TYC 686502564	11.17	18 <sup>h</sup> 25 <sup>m</sup> 15.272 <sup>s</sup> −27°53'52.018"	6.9	209	150.2	-21.1	148.0	7.1	26.4	98
2008/07/27 21:53:32	57083 2001 OM31	6.6	18.34	6.19	162	0.6	37°09'24" 51°23'46"	23	0.6	TYC 221900483	12.15	22 <sup>h</sup> 28 <sup>m</sup> 31.773 <sup>s</sup> 24°08'33.049"	57.1	132	128.0	-21.1	74.0	7.9	26.4	89
2008/07/27 23:12:58	31742 1999 JA79	5.5	17.47	6.54	232	0.7	38°27'45" 48°31'36"	137	0.5	UCAC2 25601285	10.93	18 <sup>h</sup> 09 <sup>m</sup> 58.890 <sup>s</sup> −16°49'35.216"	6.0	235	146.7	-18.2	149.7	19.1	25.8	152
2008/07/28 18:41:38	4194 Sweitzer	18.4	16.02	2.66	32	1.7	35°58'38" 50°15'14"	316	9.3	UCAC2 26557799	13.46	19 <sup>h</sup> 16 <sup>m</sup> 14.607 <sup>s</sup> −14°31'51.955"	21.7	153	161.1	-10.8	145.3	-12.4	17.9	71
2008/07/28 19:53:53	5556 1988 AL	11.5	16.78	4.09	212	1.0	38°05'60" 48°33'29"	142	0.5	UCAC2 27554146	12.72	19 <sup>h</sup> 03 <sup>m</sup> 59.492 <sup>s</sup> −12°07'40.857"	27.9	175	157.5	-17.4	147.4	-9.3	17.4	98
2008/07/28 21:02:47	3678 Mong-manwai	10.0	16.30	4.25	160	0.8	38°02'46" 49°10'44"	128	0.6	UCAC2 27011531	12.08	21 <sup>h</sup> 15 <sup>m</sup> 55.142 <sup>s</sup> −13°42'40.121"	24.0	159	168.7	-20.9	120.1	-3.8	17.0	76
2008/07/28 21:02:47	3678 Mong-manwai	10.0	16.30	4.50	160	0.8	38°02'46" 49°10'44"	128	0.6	TYC 578401268	11.82	21 <sup>h</sup> 15 <sup>m</sup> 55.142 <sup>s</sup> −13°42'40.121"	24.0	159	168.7	-20.9	120.1	-3.8	17.0	76
2008/07/29 21:05:22	10837 1994 EJ1	11.0	17.00	3.86	90	1.0	37°09'22" 49°28'10"	136	2.9	UCAC2 34141456	13.17	18 <sup>h</sup> 10 <sup>m</sup> 34.919 <sup>s</sup> 6°56'36.274"	41.2	218	135.7	-21.2	145.8	-9.0	9.0	98
2008/07/30 19:04:55	3194 Dorsey	18.8	17.63	4.94	7	1.1	36°20'45" 49°59'41"	144	6.7	UCAC2 27851380	12.70	14 <sup>h</sup> 14 <sup>m</sup> 15.797 <sup>s</sup> −11°29'07.918"	10.6	237	87.4	-13.6	109.4	-13.4	3.8	111
2008/07/30 19:47:10	3886 Shcherbakovia	10.5	16.24	2.83	86	1.8	37°02'46" 49°26'44"	141	2.9	UCAC2 26071346	13.49	18 <sup>h</sup> 25 <sup>m</sup> 48.982 <sup>s</sup> −15°31'10.571"	24.4	186	147.6	-17.4	165.5	-14.7	3.6	84
2008/07/31 01:18:02	273 Atropos	29.3	14.82	2.58	145	1.7	35°44'10" 48°47'46"	196	0.0	TYC 3900138	12.34	2 <sup>h</sup> 23 <sup>m</sup> 09.738 <sup>s</sup> 1°50'10.245"	35.3	141	93.9	-6.8	76.3	8.6	2.7	28
2008/07/31 01:18:02	273 Atropos	29.3	14.82	2.74	145	1.7	35°44'10" 48°47'46"	196	0.0	UCAC2 32307238	12.17	2 <sup>h</sup> 23 <sup>m</sup> 09.738 <sup>s</sup> 1°50'10.245"	35.3	141	93.9	-6.8	76.3	8.6	2.7	28
2008/07/31 01:41:08	8743 Keneke	16.6	16.49	3.52	22	1.3	36°15'41" 49°50'46"	185	4.2	UCAC2 28295415	13.01	21 <sup>h</sup> 36 <sup>m</sup> 18.810 <sup>s</sup> −10°06'27.602"	17.6	229	164.6	-3.8	146.2	11.7	2.6	157
2008/07/31 23:43:22	702 Alauda	194.7	13.15	1.01	19	11.1	36°33'03" 50°04'32"	81	99.9	UCAC2 44081071	12.68	1 <sup>h</sup> 56 <sup>m</sup> 24.876 <sup>s</sup> 35°07'57.279"	53.1	96	89.3	-16.9	83.3	-12.3	0.3	24

