

## 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: 126

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	Az	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/01 02:42:38	3797 Ching-Sung Yu	10.0	17.03	6.30	58	0.8	37°06'16'' 50°02'22''	91	2.2	TYC 524100581	10.74	22 <sup>h</sup> 50 <sup>m</sup> 37.954 <sup>s</sup> −6°55'03.660''	177.3	−1.9	254	41.9	−31.9	88.8	172	
2009/09/01 20:39:03	21539 Josefhlavka	6.6	18.29	6.76	161	0.7	36°32'56'' 48°36'51''	173	0.8	UCAC2 27579999	11.53	20 <sup>h</sup> 41 <sup>m</sup> 42.453 <sup>s</sup> −12°22'17.327''	149.6	−30.9	198	5.0	21.1	92.8	260	
2009/09/01 20:48:52	4535 Adam-carolla	11.0	16.61	3.09	139	3.3	37°53'44'' 49°21'02''	124	1.9	UCAC2 24235394	13.59	19 <sup>h</sup> 43 <sup>m</sup> 04.321 <sup>s</sup> −19°45'42.089''	134.7	−31.3	213	14.4	20.6	92.9	143	
2009/09/01 20:53:55	92081 1999 XV17	6.6	18.23	6.81	117	0.7	34°49'41'' 49°34'43''	243	1.2	TYC 124400124	11.42	3 <sup>h</sup> 12 <sup>m</sup> 10.337 <sup>s</sup> 20°56'24.700''	108.1	−31.4	86	102.9	20.4	92.9	182	
2009/09/01 20:58:45	54656 2000 SX362	27.5	17.67	4.98	247	2.4	38°17'56'' 48°15'53''	144	2.0	UCAC2 26950182	12.70	18 <sup>h</sup> 27 <sup>m</sup> 34.061 <sup>s</sup> −13°43'57.724''	117.0	−31.6	234	32.7	20.1	92.9	484	
2009/09/02 16:38:28	24076 1999 TL223	10.0	17.97	4.35	252	1.4	32°50'46'' 49°36'57''	259	0.9	UCAC2 27912958	13.64	19 <sup>h</sup> 09 <sup>m</sup> 07.846 <sup>s</sup> −11°29'37.832''	126.3	−4.3	159	32.1	11.6	96.4	194	
2009/09/02 18:30:06	10967 Bil-lallen	7.2	17.00	7.29	153	0.8	34°22'08'' 49°27'25''	244	1.1	TYC 625100620	9.71	18 <sup>h</sup> 06 <sup>m</sup> 04.253 <sup>s</sup> −15°20'26.623''	111.0	−20.0	205	47.8	22.9	96.6	128	
2009/09/02 21:43:49	4455 Ruriko	20.0	16.75	3.47	80	1.0	35°38'32'' 50°38'24''	325	2.9	UCAC2 40144759	13.32	5 <sup>h</sup> 10 <sup>m</sup> 59.732 <sup>s</sup> 23°47'40.224''	81.6	−32.4	72	118.0	24.4	97.1	261	
2009/09/02 23:52:05	4770 Lane	12.0	16.79	3.23	225	0.7	35°13'09'' 48°09'03''	200	1.0	UCAC2 29583717	13.62	4 <sup>h</sup> 44 <sup>m</sup> 17.689 <sup>s</sup> −6°29'38.326''	91.8	−25.1	122	105.6	12.4	97.3	147	
2009/09/03 23:17:19	1351 Uzbek-istania	64.9	15.36	2.43	66	2.9	36°55'36'' 49°37'15''	136	12.6	UCAC2 42548959	13.05	5 <sup>h</sup> 25 <sup>m</sup> 20.425 <sup>s</sup> 30°57'04.326''	79.0	−28.6	81	108.3	25.3	99.5	193	
2009/09/04 17:05:54	20096 1994 TZ	8.7	18.28	6.31	12	1.6	36°26'54'' 50°03'03''	88	1.8	UCAC2 27740470	11.97	19 <sup>h</sup> 19 <sup>m</sup> 17.944 <sup>s</sup> −11°57'31.255''	126.8	−9.1	166	53.1	12.4	99.9	191	
2009/09/04 19:48:41	2911 Miahe-lena	18.2	15.81	2.49	38	3.1	35°48'38'' 50°11'58''	296	4.7	UCAC2 25892935	13.44	20 <sup>h</sup> 13 <sup>m</sup> 52.815 <sup>s</sup> −16°27'00.506''	139.6	−28.8	195	42.1	32.5	99.9	150	
2009/09/04 20:41:21	5316 Filatov	16.6	16.30	4.31	221	1.3	38°08'38'' 48°28'13''	143	1.8	UCAC2 34941466	12.01	21 <sup>h</sup> 49 <sup>m</sup> 44.939 <sup>s</sup> 8°38'44.213''	157.5	−32.1	185	20.3	36.1	99.9	196	
2009/09/05 00:39:10	3992 Wagner	15.1	17.74	4.09	113	0.5	36°15'55'' 51°03'52''	359	2.3	UCAC2 36614589	13.68	6 <sup>h</sup> 36 <sup>m</sup> 31.694 <sup>s</sup> 13°41'55.878''	63.9	−20.4	97	112.7	26.0	99.8	228	
2009/09/05 02:32:35	1360 Tarka	29.8	16.93	4.01	123	1.5	35°01'55'' 50°48'38''	313	4.9	UCAC2 47404576	12.95	5 <sup>h</sup> 10 <sup>m</sup> 23.323 <sup>s</sup> 46°05'44.876''	82.5	−4.4	100	91.4	10.6	99.7	198	
2009/09/05 02:40:52	626 Notburga	100.7	13.76	4.76	267	2.9	34°21'27'' 52°07'02''	329	6.6	HIP 36697	9.01	7 <sup>h</sup> 32 <sup>m</sup> 56.508 <sup>s</sup> 43°03'16.406''	57.3	−3.1	81	116.5	9.3	99.7	162	
2009/09/06 00:18:23	38830 2000 RK99	12.0	18.25	5.23	75	0.5	36°34'48'' 49°23'58''	164	1.8	UCAC2 39102212	13.03	5 <sup>h</sup> 29 <sup>m</sup> 28.970 <sup>s</sup> 20°51'57.410''	80.6	−23.2	102	84.2	37.7	98.1	262	
2009/09/06 16:39:03	9039 1990 WB4	11.5	18.05	4.75	96	1.3	36°53'08'' 49°16'50''	153	1.9	UCAC2 23689436	13.31	17 <sup>h</sup> 51 <sup>m</sup> 29.857 <sup>s</sup> −20°33'41.787''	103.9	−5.7	184	99.2	3.7	95.8	219	
2009/09/06 22:12:31	132 Aethra	42.7	15.05	1.82	16	2.9	36°27'54'' 49°57'28''	128	9.9	UCAC2 36912731	13.45	20 <sup>h</sup> 47 <sup>m</sup> 18.953 <sup>s</sup> 14°22'09.465''	140.7	−33.3	241	54.9	47.5	94.7	172	
2009/09/08 02:22:41	5851 1991 DM1	13.2	15.59	3.38	125	1.5	37°31'03'' 49°15'18''	135	2.5	TYC 2100841	12.25	1 <sup>h</sup> 25 <sup>m</sup> 56.190 <sup>s</sup> 0°18'52.715''	144.7	−6.6	225	14.4	43.5	88.1	140	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 2		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/08 20:44:18	35 Leukothea	103.1	14.65	1.19	179	3.5	38°36'10" 49°27'18"	112	13.4 18.7	UCAC2 42224013	13.90	7 <sup>h</sup> 05 <sup>m</sup> 56.862 <sup>s</sup> 29°45'21.287"	0.7	41	62.1	-33.7	68.3	35.5	82.5	218
2009/09/08 21:16:20	442 Eichsfeldia	65.7	15.16	4.98	195	2.6	35°50'05" 48°19'14"	190	7.8 16.2	TYC 131800742	10.20	6 <sup>h</sup> 15 <sup>m</sup> 52.102 <sup>s</sup> 18°09'34.270"	1.4	63	72.5	-34.6	58.7	40.3	82.3	161
2009/09/08 22:45:37	42283 2001 SQ316	6.9	16.91	5.54	159	0.8	34°04'22" 49°56'14"	266	1.0 1.9	TYC 232500143	11.38	2 <sup>h</sup> 47 <sup>m</sup> 27.200 <sup>s</sup> 30°38'01.167"	57.0	112	116.7	-32.5	14.8	52.1	81.8	142
2009/09/09 16:46:17	28577 2000 EW96	7.2	17.29	5.52	113	0.6	34°42'01" 50°01'06"	268	1.4 1.7	UCAC2 16273259	11.77	18 <sup>h</sup> 42 <sup>m</sup> 29.116 <sup>s</sup> -36°31'33.080"	3.5	177	111.1	-7.9	127.9	-4.1	75.3	166
2009/09/09 23:01:25	3707 Schroter	12.0	16.79	4.26	105	0.5	37°14'52" 49°20'12"	139	2.5 3.2	UCAC2 42900115	12.55	5 <sup>h</sup> 49 <sup>m</sup> 21.130 <sup>s</sup> 31°52'41.180"	32.1	77	79.7	-31.8	37.5	50.9	72.8	151
2009/09/10 16:06:08	95932 2003 JE17	6.3	17.71	5.20	85	0.6	35°19'05" 50°29'48"	306	1.2 1.3	TYC 284501383	12.52	2 <sup>h</sup> 41 <sup>m</sup> 48.908 <sup>s</sup> 38°09'00.032"	7.4	36	115.8	-1.9	19.4	-10.8	65.7	193
2009/09/10 17:33:11	97 Klotho	82.8	13.32	0.69	269	7.4	32°56'05" 49°00'18"	244	5.9 18.8	UCAC2 27330580	13.45	17 <sup>h</sup> 46 <sup>m</sup> 58.645 <sup>s</sup> -12°43'11.898"	24.3	204	98.6	-15.2	149.9	-2.5	65.0	174
2009/09/10 18:26:28	1252 Celestia	17.4	15.57	3.48	74	1.2	35°15'28" 50°00'31"	267	4.4 5.1	UCAC2 28610570	12.14	19 <sup>h</sup> 00 <sup>m</sup> 12.450 <sup>s</sup> -9°11'19.794"	28.9	200	116.4	-22.4	132.7	4.0	64.6	135
2009/09/10 19:16:28	54680 2001 AS9	15.8	19.10	6.23	202	1.8	37°40'55" 48°28'24"	150	1.2 1.3	UCAC2 40292365	12.88	1 <sup>h</sup> 44 <sup>m</sup> 29.242 <sup>s</sup> 24°05'07.501"	30.4	88	133.8	-28.2	29.3	10.7	64.3	488
2009/09/10 22:20:23	4635 Rim-baud	10.5	16.70	3.66	202	1.0	37°53'39" 48°33'43"	145	1.0 3.0	UCAC2 24743717	13.08	22 <sup>h</sup> 00 <sup>m</sup> 23.155 <sup>s</sup> -18°52'17.579"	15.8	211	156.6	-34.4	98.2	38.6	62.9	138
2009/09/10 23:40:43	7145 Linzexu	11.5	15.38	3.88	49	1.1	35°52'31" 50°24'01"	323	4.0 4.5	TYC 523700560	11.54	22 <sup>h</sup> 41 <sup>m</sup> 57.556 <sup>s</sup> -3°43'26.189"	25.8	227	171.3	-28.7	83.3	50.7	62.3	102
2009/09/11 01:27:45	18835 1999 NK56	13.8	17.77	6.02	219	0.5	35°41'56" 51°58'31"	349	1.5 2.6	UCAC2 40001328	11.76	6 <sup>h</sup> 49 <sup>m</sup> 14.451 <sup>s</sup> 23°13'00.589"	40.6	102	67.0	-15.5	36.4	63.1	61.5	211
2009/09/11 17:22:39	12112 1998 MK4	12.6	17.11	3.75	247	0.8	39°39'09" 50°36'40"	75	1.1 2.8	UCAC2 30054150	13.39	18 <sup>h</sup> 27 <sup>m</sup> 31.007 <sup>s</sup> -5°12'10.748"	34.1	193	107.3	-14.1	148.7	-7.8	54.3	176
2009/09/11 22:21:29	1063 Aquilegia	18.3	14.42	3.31	107	1.8	37°21'28" 49°22'39"	134	4.1 7.3	TYC 583400785	11.16	23 <sup>h</sup> 59 <sup>m</sup> 08.758 <sup>s</sup> -11°00'56.002"	29.0	183	168.2	-34.8	82.5	30.5	51.9	100
2009/09/12 02:30:26	65245 2002 EH130	10.0	19.97	6.43	245	1.3	34°14'09" 51°49'28"	323	0.7 0.8	UCAC2 36580817	13.54	2 <sup>h</sup> 25 <sup>m</sup> 52.918 <sup>s</sup> 13°44'26.199"	47.0	223	130.7	-6.4	41.1	64.3	49.9	524
2009/09/12 20:18:07	7109 Heine	7.2	15.98	4.84	217	0.8	33°37'15" 51°00'23"	299	0.4 2.6	TYC 57200930	11.15	22 <sup>h</sup> 52 <sup>m</sup> 30.602 <sup>s</sup> 3°33'58.425"	42.9	166	169.2	-34.0	103.4	4.0	41.6	111
2009/09/12 23:56:34	3580 Avery	11.0	17.57	3.87	187	0.8	37°32'46" 48°34'58"	151	1.4 2.4	UCAC2 28121349	13.73	22 <sup>h</sup> 25 <sup>m</sup> 08.552 <sup>s</sup> -10°42'16.721"	14.7	232	163.9	-27.7	117.9	35.5	39.9	183
2009/09/13 03:02:06	24533 2001 CR27	8.7	18.06	6.14	29	2.0	35°56'08" 49°55'23"	241	2.0 2.0	TYC 122600235	11.93	2 <sup>h</sup> 41 <sup>m</sup> 59.741 <sup>s</sup> 17°47'19.164"	48.2	232	126.7	-1.6	50.2	61.1	38.5	175
2009/09/13 16:06:29	96 Aegle	169.9	12.68	1.94	169	11.3	35°57'06" 51°33'19"	352	24.2 41.5	TYC 56800488	10.94	22 <sup>h</sup> 43 <sup>m</sup> 43.473 <sup>s</sup> 1°52'00.258"	14.0	104	168.0	-3.1	117.7	-14.9	32.5	155
2009/09/13 17:28:49	3208 Lunn	13.2	17.93	8.14	26	0.9	36°24'28" 49°49'36"	161	2.4 2.4	TYC 624700503	9.79	17 <sup>h</sup> 35 <sup>m</sup> 15.423 <sup>s</sup> -21°53'17.714"	14.2	206	93.3	-15.7	161.7	-15.5	31.8	217

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 3		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/13 17:51:03	21555 Levary	10.5	18.01	6.48	44	1.2	36°51'31" 49°54'32"	111	2.0	UCAC2 31947836	11.53	20 <sup>h</sup> 15 <sup>m</sup> 52.495 <sup>s</sup> 0°17'42.495"	40.1	171	132.2	-18.9	148.7	-15.0	31.6	207
2009/09/13 18:24:00	51915 2001 QF71	8.3	18.27	7.92	201	4.4	39°05'29" 50°13'49"	84	1.0	TYC 571700753	10.35	19 <sup>h</sup> 20 <sup>m</sup> 23.146 <sup>s</sup> -12°35'34.617"	26.1	196	118.5	-23.3	167.3	-13.6	31.2	185
2009/09/13 23:10:14	117851 2005 JE151	10.0	19.83	8.25	112	0.9	34°52'20" 50°29'15"	296	0.9	TYC 4300889	11.58	2 <sup>h</sup> 09 <sup>m</sup> 57.168 <sup>s</sup> 6°02'32.147"	44.3	158	138.3	-32.4	73.7	17.7	29.3	430
2009/09/14 02:49:02	54406 2000 LR4	5.0	17.25	5.46	252	0.5	37°24'25" 47°54'14"	161	0.2	TYC 467200699	11.80	0 <sup>h</sup> 30 <sup>m</sup> 25.251 <sup>s</sup> 0° - 32'44.918"	15.9	249	164.2	-3.9	101.3	50.3	27.6	118
2009/09/14 16:27:59	2645 Daphne Plane	15.6	16.10	4.25	258	2.1	39°24'25" 51°14'56"	59	0.7	UCAC2 21439930	11.88	21 <sup>h</sup> 00 <sup>m</sup> 37.221 <sup>s</sup> -25°58'51.105"	6.9	146	137.5	-6.8	163.6	-16.6	22.0	135
2009/09/14 18:28:09	5845 1988 QP	12.0	18.13	4.43	143	0.7	35°44'30" 51°16'55"	344	1.7	UCAC2 21587934	13.72	17 <sup>h</sup> 08 <sup>m</sup> 23.961 <sup>s</sup> -25°23'23.096"	2.6	224	86.4	-24.2	141.0	-19.0	21.1	238
2009/09/14 20:43:31	110561 2001 TA108	5.5	17.90	7.04	81	0.9	36°37'28" 49°21'19"	163	0.8	TYC 569302511	10.86	18 <sup>h</sup> 52 <sup>m</sup> 01.403 <sup>s</sup> -8°10'08.143"	13.2	240	110.6	-36.0	158.9	-11.2	20.3	262
2009/09/14 20:53:34	26220 1997 WB37	15.1	18.03	4.74	40	0.8	36°31'25" 49°43'15"	155	2.5	UCAC2 39282649	13.30	6 <sup>h</sup> 06 <sup>m</sup> 04.032 <sup>s</sup> 21°00'23.666"	5.2	63	80.6	-36.4	27.5	-10.2	20.1	242
2009/09/15 20:31:00	4634 Shibuya	7.2	17.43	5.81	150	1.5	38°20'51" 50°18'00"	79	1.1	TYC 124600035	11.62	3 <sup>h</sup> 31 <sup>m</sup> 29.654 <sup>s</sup> 21°15'05.882"	26.4	88	117.2	-35.9	77.4	-21.2	11.7	119
2009/09/15 20:36:10	29859 1999 FW31	6.6	18.68	7.51	83	0.7	37°04'58" 49°30'13"	137	1.3	TYC 518200730	11.17	20 <sup>h</sup> 49 <sup>m</sup> 06.494 <sup>s</sup> -2°44'59.682"	32.1	214	138.8	-36.1	166.8	-20.9	11.6	192
2009/09/15 22:48:05	2515 Gansu	10.0	16.33	3.83	52	1.0	35°49'55" 50°24'49"	321	2.7	TYC 466700820	12.53	0 <sup>h</sup> 13 <sup>m</sup> 27.021 <sup>s</sup> -4°21'52.293"	35.1	192	170.2	-34.7	132.8	-8.1	10.9	139
2009/09/16 23:18:51	1318 Nerina	13.0	16.36	6.13	112	1.0	35°36'02" 49°08'55"	206	2.4	TYC 175901787	10.24	1 <sup>h</sup> 47 <sup>m</sup> 20.309 <sup>s</sup> 26°11'07.484"	66.1	169	137.7	-32.7	114.9	-16.0	4.6	173
2009/09/16 23:54:19	1365 Henyey	15.1	14.64	2.01	250	1.4	37°16'39" 47°53'44"	164	0.2	UCAC2 34573546	12.81	23 <sup>h</sup> 43 <sup>m</sup> 52.638 <sup>s</sup> 7°44'08.561"	38.8	227	169.8	-29.2	150.0	-11.5	4.5	96
2009/09/16 23:59:10	14648 1998 XV49	11.5	18.55	6.00	199	0.7	38°23'49" 48°53'39"	130	1.4	UCAC2 42727427	12.55	5 <sup>h</sup> 49 <sup>m</sup> 16.038 <sup>s</sup> 31°13'45.365"	45.4	93	86.5	-28.7	63.0	-10.8	4.5	235
2009/09/17 16:39:14	986 Amelia	50.9	15.97	2.75	264	1.3	37°43'34" 52°14'23"	23	4.7	UCAC2 31016274	13.31	14 <sup>h</sup> 04 <sup>m</sup> 51.511 <sup>s</sup> -2°12'18.915"	10.0	254	36.2	-9.6	51.3	-16.5	1.7	279
2009/09/18 00:18:27	3932 Edshay	12.3	16.62	3.13	203	1.7	39°06'07" 50°19'28"	81	1.5	UCAC2 44957795	13.56	3 <sup>h</sup> 25 <sup>m</sup> 48.941 <sup>s</sup> 37°31'31.380"	74.4	137	115.0	-26.7	106.3	-20.4	0.9	196
2009/09/18 01:32:28	10 Hygiea	407.1	11.74	0.99	370	11.5	37°22'52" 46°48'21"	168	23.5	TYC 139500262	11.31	8 <sup>h</sup> 38 <sup>m</sup> 44.444 <sup>s</sup> 17°48'29.346"	24.3	91	47.7	-16.7	38.1	-10.1	0.8	239
2009/09/18 03:04:14	19083 1977 DA4	6.6	17.63	8.09	99	0.8	36°34'06" 49°10'31"	168	1.5	HIP 6555	9.54	1 <sup>h</sup> 24 <sup>m</sup> 15.146 <sup>s</sup> 4°26'03.115"	23.3	248	153.8	-2.5	144.5	3.7	0.7	142
2009/09/18 03:12:48	66803 1999 TD273	10.5	17.19	3.85	171	0.9	36°13'27" 51°34'56"	359	1.5	UCAC2 47900776	13.37	5 <sup>h</sup> 07 <sup>m</sup> 42.461 <sup>s</sup> 48°37'25.261"	86.7	247	94.3	-1.1	88.0	5.0	0.7	188
2009/09/18 19:44:22	7610 Sudbury	7.6	17.28	9.69	122	0.6	35°13'25" 50°54'31"	322	1.4	TYC 582201267	7.59	23 <sup>h</sup> 23 <sup>m</sup> 45.468 <sup>s</sup> -8°27'41.321"	28.9	156	171.4	-33.9	168.2	-38.2	0.1	98

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/18 20:36:59	Parthenope	153.3	11.61	1.60	225	7.6	36°37'24" 52°03'14"	6	14.1	TYC	10.30	6 <sup>h</sup> 19 <sup>m</sup> 36.819 <sup>s</sup> 19°31'16.029"	1.9	61	81.3	-37.4	82.1	-41.8	0.2	151
2009/09/18 21:43:57		6.9	17.80	5.00	81	1.0	36°56'46" 49°27'18"	144	1.7	TYC	12.81	2 <sup>h</sup> 23 <sup>m</sup> 40.804 <sup>s</sup> 10°08'25.877"	40.6	131	138.8	-38.4	139.8	-43.1	0.2	131
2009/09/19 02:22:53	3478 Fanale	14.9	16.80	3.16	13	0.6	36°15'26" 50°09'34"	350	4.6	UCAC2	13.70	6 <sup>h</sup> 23 <sup>m</sup> 43.930 <sup>s</sup> 19°42'16.934"	53.6	137	80.6	-9.3	84.6	-15.1	0.3	127
2009/09/19 03:16:19	Serkowski	12.6	17.38	4.58	124	0.9	36°06'33" 51°09'15"	354	2.3	UCAC2	12.81	5 <sup>h</sup> 28 <sup>m</sup> 40.781 <sup>s</sup> 21°38'02.771"	61.8	183	93.5	-0.8	98.1	-7.0	0.3	166
2009/09/19 15:51:36		15102 2000 AA202	14.5	16.81	4.05	241	1.3	38°37'16" 48°30'25"	136	1.3	UCAC2	12.78	0 <sup>h</sup> 58 <sup>m</sup> 06.720 <sup>s</sup> 36°52'24.064"	20.8	57	138.4	-2.8	149.7	-4.0	1.2
2009/09/19 17:50:36	4593 Reipurth	12.6	16.23	3.15	15	1.5	36°21'48" 49°55'08"	159	3.6	UCAC2	13.14	1 <sup>h</sup> 26 <sup>m</sup> 57.976 <sup>s</sup> 15°21'01.318"	18.7	88	150.4	-21.0	163.7	-22.8	1.4	140
2009/09/19 18:14:59	93 Minerva	141.0	11.88	0.64	158	15.2	36°53'24" 48°40'50"	164	19.9	TYC	12.13	1 <sup>h</sup> 36 <sup>m</sup> 18.865 <sup>s</sup> 12°59'45.197"	19.4	93	149.6	-24.3	162.6	-26.5	1.5	115
2009/09/19 18:34:48	113267 2002 RT150	7.9	17.69	5.53	210	0.7	38°12'09" 48°38'17"	139	0.5	TYC	12.16	0 <sup>h</sup> 09 <sup>m</sup> 21.452 <sup>s</sup> 14°31'29.304"	37.2	114	163.3	-26.9	172.1	-29.4	1.5	549
2009/09/19 18:49:32	57556 2001 TO38	6.0	18.46	6.69	190	1.0	34°57'49" 51°32'25"	330	0.8	UCAC2	11.78	19 <sup>h</sup> 10 <sup>m</sup> 46.417 <sup>s</sup> -14°35'55.911"	20.4	211	110.2	-28.7	97.7	-31.5	1.5	195
2009/09/19 19:02:18	0 2002 RT150	6.6	18.09	5.93	131	0.6	37°26'29" 49°08'24"	141	1.2	TYC	12.16	0 <sup>h</sup> 09 <sup>m</sup> 21.452 <sup>s</sup> 14°31'29.304"	41.2	121	163.3	-30.1	172.1	-33.3	1.6	132
2009/09/19 21:31:34	5917 1991 NG	18.2	16.68	3.39	206	1.0	38°01'51" 48°34'55"	143	2.0	UCAC2	13.34	6 <sup>h</sup> 25 <sup>m</sup> 45.512 <sup>s</sup> 28°47'23.328"	16.7	65	81.3	-38.9	96.6	-48.3	1.9	265
2009/09/19 22:11:24	24400 2000 AF192	6.3	18.39	6.99	180	0.5	38°45'05" 49°43'56"	101	0.8	TYC	11.40	1 <sup>h</sup> 49 <sup>m</sup> 03.947 <sup>s</sup> -2°30'19.834"	35.1	156	149.9	-38.1	158.5	-49.4	1.9	184
2009/09/20 18:11:18	38457 1999 TJ9	10.5	18.16	5.39	81	1.2	37°18'06" 50°22'54"	63	1.8	UCAC2	12.78	19 <sup>h</sup> 05 <sup>m</sup> 04.291 <sup>s</sup> -9°26'46.693"	27.5	205	108.2	-24.2	84.0	-22.7	5.3	222
2009/09/20 23:36:10	3702 Trubet-skaya	17.2	16.09	3.08	166	0.8	36°38'48" 48°34'15"	171	2.5	UCAC2	13.07	6 <sup>h</sup> 26 <sup>m</sup> 26.729 <sup>s</sup> 10°23'38.734"	23.2	102	81.6	-32.4	108.4	-54.7	6.4	153
2009/09/21 00:40:28	5010 Amen-emhet	12.0	16.50	3.63	187	0.9	35°11'46" 51°34'52"	335	1.5	UCAC2	12.91	23 <sup>h</sup> 09 <sup>m</sup> 04.910 <sup>s</sup> -4°12'35.641"	15.9	243	168.5	-24.8	139.0	-50.8	6.7	245
2009/09/21 01:56:27	5346 1981 QE3	13.2	15.72	2.03	129	1.5	35°54'54" 51°11'10"	348	2.5	UCAC2	13.87	1 <sup>h</sup> 02 <sup>m</sup> 27.418 <sup>s</sup> 2°55'04.982"	27.0	239	162.3	-13.9	164.7	-42.3	7.0	134
2009/09/21 02:32:31	3779 Kieffer	17.4	16.51	2.82	166	0.5	35°22'02" 51°25'03"	337	2.5	UCAC2	13.77	8 <sup>h</sup> 06 <sup>m</sup> 43.900 <sup>s</sup> 27°51'01.772"	48.2	104	60.5	-8.2	91.3	-37.4	7.1	186
2009/09/21 15:39:22	42803 1999 GG21	10.0	18.49	5.06	11	0.5	36°13'26" 50°08'07"	335	1.9	UCAC2	13.44	17 <sup>h</sup> 25 <sup>m</sup> 01.888 <sup>s</sup> -20°12'47.411"	19.2	190	83.1	-1.5	46.5	3.9	10.4	212
2009/09/21 21:34:43	56687 2000 LE12	5.8	17.94	8.36	15	1.5	36°08'14" 50°08'25"	314	1.6	TYC	9.58	2 <sup>h</sup> 30 <sup>m</sup> 50.501 <sup>s</sup> 26°30'11.117"	53.5	116	134.0	-39.7	172.3	-49.0	12.1	142
2009/09/21 23:07:26	67202 2000 CJ108	10.0	17.13	4.19	70	1.0	36°40'35" 49°28'17"	157	2.0	UCAC2	12.96	0 <sup>h</sup> 47 <sup>m</sup> 07.021 <sup>s</sup> 23°22'13.499"	61.9	204	153.1	-35.3	157.1	-58.2	12.5	183

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 5		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2009/09/22 00:29:51	3914 Kotogahama	16.6	17.40	3.52	154	1.2	34°59'10" 51°09'09"	323	2.4	UCAC2 43245806	13.93	5 <sup>h</sup> 51 <sup>m</sup> 40.162 <sup>s</sup> 32°49'46.340"	54.1	102	90.8	-26.4	132.8	-59.3	13.0	206	
2009/09/22 18:46:38	3712 Kraft	15.8	17.62	3.95	182	1.8	38°02'44" 48°52'51"	136	1.3	UCAC2 25175086	13.70	18 <sup>h</sup> 38 <sup>m</sup> 16.759 <sup>s</sup> -17°44'13.359"	13.6	219	99.4	-29.5	49.4	-18.6	18.7	468	
2009/09/22 22:04:48	4287 Trisov	7.6	16.82	4.48	5	2.3	36°21'13" 50°01'31"	117	3.0	TYC 125801057	12.36	4 <sup>h</sup> 06 <sup>m</sup> 39.981 <sup>s</sup> 18°49'17.938"	38.4	108	116.6	-39.4	167.5	-49.1	19.9	100	
2009/09/22 22:48:24	5367 Sollenberger	13.8	17.26	3.63	20	0.7	36°05'06" 50°10'08"	313	2.3	UCAC2 39990993	13.66	6 <sup>h</sup> 17 <sup>m</sup> 23.004 <sup>s</sup> 23°10'42.526"	27.7	86	85.9	-37.2	138.8	-54.8	20.2	239	
2009/09/23 00:24:42	1467 Mashona	112.0	15.39	2.23	76	3.5	35°31'14" 50°31'29"	314	15.7	UCAC2 41193182	13.30	9 <sup>h</sup> 02 <sup>m</sup> 50.623 <sup>s</sup> 26°33'12.792"	19.3	71	50.2	-27.4	104.0	-62.9	20.7	272	
2009/09/23 01:02:16	61758 2000 QA164	5.0	17.71	6.01	172	0.7	37°04'13" 51°30'42"	19	0.7	UCAC2 41825476	11.71	1 <sup>h</sup> 06 <sup>m</sup> 34.360 <sup>s</sup> 28°44'52.019"	54.9	247	147.1	-22.4	149.1	-63.3	20.9	154	
2009/09/23 01:09:05	390 Alma	23.7	15.07	1.48	160	3.2	38°05'48" 49°12'54"	126	3.4	UCAC2 44443085	13.91	4 <sup>h</sup> 09 <sup>m</sup> 49.338 <sup>s</sup> 36°29'07.338"	75.8	157	111.8	-21.4	163.2	-63.1	20.9	132	
2009/09/23 16:03:43	16833 1997 WX21	12.6	16.13	3.94	146	1.1	36°04'38" 48°44'48"	186	2.1	UCAC2 29206502	12.21	23 <sup>h</sup> 01 <sup>m</sup> 26.658 <sup>s</sup> -7°55'11.343"	9.1	114	162.8	-6.2	101.2	7.1	26.3	151	
2009/09/23 20:09:42	4831 Baldwin	35.2	17.98	4.33	215	3.0	34°53'51" 48°20'20"	208	3.9	UCAC2 22562185	13.67	18 <sup>h</sup> 50 <sup>m</sup> 18.637 <sup>s</sup> -23°11'58.800"	0.2	232	100.7	-37.8	37.4	-25.2	27.8	207	
2009/09/23 21:10:47	41380 2000 AM113	7.9	17.19	5.81	134	1.3	37°59'35" 50°33'49"	65	1.2	TYC 4800708	11.39	2 <sup>h</sup> 56 <sup>m</sup> 20.456 <sup>s</sup> 0°28'11.100"	26.3	125	136.7	-40.4	149.8	-34.7	28.3	206	
2009/09/23 21:31:39	1143 Odyseus	125.6	14.94	2.58	23	8.6	36°27'42" 49°52'39"	147	16.1	UCAC2 35138799	12.47	1 <sup>h</sup> 14 <sup>m</sup> 14.244 <sup>s</sup> 9°34'25.432"	47.5	156	160.0	-40.5	135.7	-37.9	28.4	308	
2009/09/23 23:43:41	7804 Boesgaard	6.6	16.63	5.21	169	0.7	36°56'46" 48°35'31"	164	0.7	TYC 116100419	11.43	23 <sup>h</sup> 16 <sup>m</sup> 37.863 <sup>s</sup> 7°42'55.321"	33.1	238	166.2	-32.5	107.3	-57.1	29.2	107	
2009/09/24 22:02:05	930 Westphalia	36.5	16.31	4.24	66	2.4	35°22'05" 50°07'05"	277	9.1	UCAC2 45803727	12.09	5 <sup>h</sup> 54 <sup>m</sup> 43.037 <sup>s</sup> 40°25'16.797"	36.8	68	92.8	-40.3	162.3	-35.2	37.9	144	
2009/09/25 00:40:10	358 Apollonia	89.5	14.48	6.37	265	2.5	34°52'23" 52°15'30"	338	0.2	HIP 42943	8.11	8 <sup>h</sup> 45 <sup>m</sup> 12.003 <sup>s</sup> 15°20'31.038"	17.5	87	52.4	-25.9	129.1	-58.3	38.9	77	
2009/09/25 01:28:43	6574 Gvishiani	16.6	18.17	6.05	192	1.5	33°41'18" 50°31'08"	286	1.9	UCAC2 46255822	12.12	5 <sup>h</sup> 06 <sup>m</sup> 24.210 <sup>s</sup> 41°41'29.477"	77.3	125	101.8	-19.1	164.3	-63.4	39.2	259	
2009/09/25 02:11:08	29993 2000 AD55	7.6	18.74	8.96	28	1.7	36°22'24" 49°47'59"	167	1.6	TYC 123300415	9.78	3 <sup>h</sup> 22 <sup>m</sup> 56.779 <sup>s</sup> 15°47'40.663"	51.5	216	129.5	-12.6	152.0	-65.9	39.6	191	
2009/09/25 15:27:58	706 Hirundo	29.2	13.29	1.12	44	5.5	36°33'21" 50°23'57"	26	11.6	UCAC2 30617785	12.64	21 <sup>h</sup> 56 <sup>m</sup> 54.402 <sup>s</sup> -3°55'04.674"	17.7	119	146.5	-1.1	64.4	13.9	44.7	89	
2009/09/25 18:03:49	1101 Clematis	37.9	15.03	2.48	25	3.4	35°56'58" 50°05'18"	281	9.3	UCAC2 34023609	12.66	20 <sup>h</sup> 59 <sup>m</sup> 21.265 <sup>s</sup> 6°16'22.217"	46.4	176	132.2	-25.1	56.1	4.5	45.9	161	
2009/09/25 19:29:45	13337 2003 SM103	5.5	19.11	7.84	93	0.6	36°21'27" 49°13'01"	177	0.7	TYC 179000566	11.27	3 <sup>h</sup> 00 <sup>m</sup> 09.482 <sup>s</sup> 27°36'26.037"	32.4	84	131.4	-35.3	141.6	-5.2	46.3	317	
2009/09/25 22:11:19	28491 2000 CC59	6.3	18.40	6.12	146	1.2	37°29'43" 49°00'04"	143	1.0	TYC 632800301	12.28	20 <sup>h</sup> 22 <sup>m</sup> 35.052 <sup>s</sup> -16°42'56.530"	0.4	243	121.1	-40.3	34.4	-28.4	47.5	192	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/25 22:49:16	2945 Zanstra	21.1	14.93	3.81	196	2.5	34°47'11" 51°31'60"	327	1.9	TYC	11.16	23 <sup>h</sup> 56 <sup>m</sup> 58.328 <sup>s</sup> -5°20'20.881"	30.9	208	172.7	-38.1	86.8	-34.3	47.8	124
2009/09/26 21:16:28	3601 Velikhov	11.5	17.54	3.61	230	0.8	38°10'23" 48°23'20"	144	1.1	UCAC2	13.97	5 <sup>h</sup> 55 <sup>m</sup> 16.351 <sup>s</sup> 23°42'07.167"	19.4	76	94.9	-41.6	167.6	-11.7	56.7	174
2009/09/27 02:44:58	405 Thia	124.9	13.94	1.81	129	7.7	36°33'53" 51°11'44"	9	21.9	UCAC2	12.36	6 <sup>h</sup> 22 <sup>m</sup> 14.905 <sup>s</sup> 23°28'10.982"	62.1	156	88.9	-7.7	171.1	-59.0	58.8	168
2009/09/27 02:46:05	33679 1999 JY107	6.0	17.46	5.59	235	0.7	36°00'44" 52°09'04"	355	0.3	UCAC2	11.87	2 <sup>h</sup> 09 <sup>m</sup> 53.684 <sup>s</sup> 1°08'01.494"	24.7	239	151.2	-7.6	106.1	-59.1	58.8	127
2009/09/27 15:43:40	76834 2000 SA244	15.1	19.59	6.70	210	0.6	33°23'01" 50°21'60"	280	0.5	UCAC2	12.89	16 <sup>h</sup> 51 <sup>m</sup> 32.979 <sup>s</sup> -34°18'38.048"	2.7	201	71.5	-4.3	36.2	16.6	63.7	1179
2009/09/27 18:10:31	1543 Bourgeois	12.6	15.62	3.47	111	0.6	35°44'44" 50°59'08"	340	2.7	UCAC2	12.20	18 <sup>h</sup> 14 <sup>m</sup> 22.439 <sup>s</sup> -18°52'47.789"	11.8	220	88.8	-26.7	18.8	15.2	64.6	101
2009/09/27 20:59:17	457 Alleghe-nia	20.9	15.23	2.58	2	11.7	36°16'13" 50°03'37"	321	7.0	UCAC2	12.76	3 <sup>h</sup> 11 <sup>m</sup> 37.221 <sup>s</sup> 28°36'04.602"	46.9	101	130.6	-41.7	119.9	-0.8	65.7	119
2009/09/27 23:24:22	930 West-phalia	36.5	16.28	6.11	167	2.6	34°08'55" 50°40'47"	295	5.1	TYC	10.17	5 <sup>h</sup> 57 <sup>m</sup> 46.183 <sup>s</sup> 40°44'22.286"	51.1	82	95.1	-35.8	150.4	-21.5	66.6	142
2009/09/28 02:38:04	32460 2000 SY92	15.1	17.13	4.77	240	0.6	35°43'14" 47°55'14"	190	1.5	UCAC2	12.37	7 <sup>h</sup> 08 <sup>m</sup> 56.582 <sup>s</sup> 21°58'12.937"	56.2	137	79.0	-9.1	170.2	-50.3	67.8	206
2009/09/28 15:30:32	6500 Kodaira	10.5	17.90	4.14	138	0.7	34°29'21" 49°36'53"	249	1.7	UCAC2	13.79	19 <sup>h</sup> 41 <sup>m</sup> 35.047 <sup>s</sup> 6°35'26.582"	43.9	153	110.4	-2.6	27.4	16.6	72.5	188
2009/09/28 15:54:53	12675 Chabot	7.2	18.09	6.62	227	0.5	39°09'52" 49°13'40"	114	0.7	UCAC2	11.47	18 <sup>h</sup> 57 <sup>m</sup> 46.742 <sup>s</sup> -29°42'58.379"	10.3	178	97.0	-6.5	20.9	18.2	72.6	169
2009/09/28 17:16:36	42859 1999 RB89	7.9	16.95	7.69	24	0.7	36°35'02" 50°08'53"	62	2.4	TYC	9.26	1 <sup>h</sup> 42 <sup>m</sup> 12.086 <sup>s</sup> 4°25'48.570"	8.2	93	159.5	-19.3	82.5	21.1	73.1	131
2009/09/28 19:06:07	3637 O'Meara	13.1	17.15	5.31	153	1.5	37°36'44" 48°58'52"	141	2.1	UCAC2	11.85	5 <sup>h</sup> 10 <sup>m</sup> 24.364 <sup>s</sup> 14°13'49.574"	0.3	68	107.6	-34.0	133.4	18.0	73.8	157
2009/09/28 21:23:56	480 Hansa	56.2	13.27	1.34	172	5.7	33°58'23" 50°29'22"	287	7.5	UCAC2	12.30	19 <sup>h</sup> 42 <sup>m</sup> 36.918 <sup>s</sup> 5°31'26.126"	17.4	257	110.5	-42.4	26.5	4.8	74.5	137
2009/09/29 01:14:27	23009 1999 VL149	6.6	17.65	6.01	10	0.6	36°21'38" 50°07'38"	31	1.2	TYC	11.65	23 <sup>h</sup> 07 <sup>m</sup> 57.137 <sup>s</sup> 7°16'19.394"	14.7	264	161.0	-22.2	45.0	-28.8	75.8	212
2009/09/29 22:40:56	10211 La Spezia	6.0	18.22	6.56	69	2.2	35°29'21" 50°24'03"	305	1.6	TYC	11.66	3 <sup>h</sup> 55 <sup>m</sup> 05.707 <sup>s</sup> 17°41'51.019"	48.2	128	126.4	-40.1	103.0	4.0	82.7	129
2009/09/29 22:44:01	132788 2002 PJ135	5.2	19.51	7.64	205	0.5	34°09'24" 51°18'07"	313	0.6	UCAC2	11.87	5 <sup>h</sup> 39 <sup>m</sup> 44.395 <sup>s</sup> 32°19'59.230"	43.8	89	101.0	-39.9	127.2	3.6	82.7	237
2009/09/30 01:27:43	38919 2000 SS218	5.8	17.72	5.96	239	0.9	33°31'31" 51°17'49"	305	0.4	TYC	11.77	4 <sup>h</sup> 44 <sup>m</sup> 55.548 <sup>s</sup> 19°03'01.675"	59.1	173	114.6	-20.5	113.5	-20.8	83.4	136
2009/09/30 15:59:32	742 Edisona	45.6	14.99	2.43	239	2.2	38°54'09" 48°43'58"	128	4.2	UCAC2	12.68	18 <sup>h</sup> 01 <sup>m</sup> 03.945 <sup>s</sup> -31°51'27.903"	7.1	193	82.8	-8.0	56.8	19.4	87.5	181
2009/09/30 17:49:37	2700 Baikunur	12.6	17.54	5.18	117	1.3	35°36'37" 51°00'31"	336	2.2	UCAC2	12.36	19 <sup>h</sup> 26 <sup>m</sup> 17.765 <sup>s</sup> -20°05'30.853"	17.4	201	102.6	-24.9	36.8	28.5	88.0	189

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 7		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	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2009/09/30 18:12:02	10171 Takaotengu	10.5	17.61	6.07	49	1.5	35°37'16" 49°56'05"	255	2.1 2.2	TYC 692900518	11.55	20 <sup>b</sup> 41 <sup>m</sup> 24.051 <sup>s</sup> −27°27'37.472"	12.2	188	117.6	−28.1	24.3	29.5	88.1	191
2009/09/30 19:32:26	7806 Umass- lowell	5.2	17.88	8.33	206	0.5	38°11'27" 48°40'39"	138	0.3 2.0	TYC 185200191	9.55	5 <sup>b</sup> 34 <sup>m</sup> 25.468 <sup>s</sup> 24°51'11.807"	10.1	63	103.4	−37.5	116.1	29.7	88.5	105
2009/09/30 20:20:04	10741 1988 SF3	7.2	16.98	5.97	188	0.8	35°54'58" 51°43'25"	352	0.8 2.2	TYC 469300610	11.01	2 <sup>b</sup> 10 <sup>m</sup> 49.157 <sup>s</sup> −3°29'42.027"	25.7	133	153.5	−41.2	63.0	27.6	88.7	134
2009/09/30 21:45:11	4169 Celsius	33.1	16.68	3.06	99	1.7	37°15'16" 49°25'01"	135	5.8 6.5	UCAC2 43262369	13.68	7 <sup>b</sup> 15 <sup>m</sup> 11.278 <sup>s</sup> 32°31'59.500"	20.6	63	81.9	−43.0	135.3	20.3	89.0	201
2009/09/30 23:38:15	92299 2000 EB170	6.0	16.51	5.16	53	0.6	36°15'20" 49°34'15"	182	1.1 1.2	TYC 1200747	11.36	0 <sup>b</sup> 58 <sup>m</sup> 34.419 <sup>s</sup> 1°08'09.721"	36.5	213	172.3	−35.3	44.5	5.9	89.5	203
2009/09/30 23:56:48	48932 1998 QB	5.8	17.35	6.86	65	0.6	36°16'23" 50°37'38"	359	1.7 1.9	TYC 120800079	10.49	1 <sup>b</sup> 36 <sup>m</sup> 24.559 <sup>s</sup> 19°33'40.528"	55.4	217	156.6	−33.2	59.3	3.2	89.6	120