

## 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 2.0.0  
Author: Plekhanov Andrey andyplekhanov@gmail.com  
Events number: 124

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 1		LinOccult 2.0.0			
		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 (%)	$\sigma_{km}$
2008/09/01 00:22:30	6140 Kubokawa	7.2	15.22	6.49	152	1.0	37°37'43" 48°59'43"	141	0.4 4.2	HIP 112192	8.73	22 <sup>h</sup> 43 <sup>m</sup> 22.360 <sup>s</sup> −15°53'48.474"	14.7	221	172.3	-21.4	159.8	-34.4	1.8	68
2008/09/01 01:45:36	18144 OO48	5.5	16.32	5.68	102	0.5	37°19'17" 49°25'29"	133	1.2 2.9	TYC 582401296	10.65	23 <sup>h</sup> 15 <sup>m</sup> 53.378 <sup>s</sup> −11°56'45.137"	12.1	234	170.9	-10.5	166.5	-25.2	1.9	77
2008/09/01 02:10:10	897 Lysistrata	21.9	15.35	1.66	107	2.0	36°47'40" 49°08'50"	160	0.7 21.6	UCAC2 42534129	13.96	3 <sup>h</sup> 45 <sup>m</sup> 42.796 <sup>s</sup> 30°44'13.797"	70.3	162	97.7	-6.9	113.7	-21.9	1.9	40
2008/09/01 02:27:12	1095 Tulipa	31.5	16.38	2.93	119	1.0	36°22'14" 51°06'41"	3	5.2 15.7	UCAC2 36795771	13.52	6 <sup>h</sup> 43 <sup>m</sup> 01.722 <sup>s</sup> 14°14'16.236"	37.9	116	58.8	-4.3	74.0	-19.6	2.0	79
2008/09/01 20:41:43	6017 1991 PY11	7.2	17.16	5.18	168	0.5	34°47'59" 51°13'53"	321	0.3 3.9	UCAC2 25353367	11.99	17 <sup>h</sup> 29 <sup>m</sup> 50.771 <sup>s</sup> −17°19'02.107"	1.5	240	103.1	-31.1	78.5	-36.8	4.8	73
2008/09/01 22:50:37	13457 6761 P-L	7.9	17.70	8.16	80	0.6	36°51'51" 49°25'53"	149	1.8 2.1	TYC 523001408	9.54	22 <sup>h</sup> 09 <sup>m</sup> 24.166 <sup>s</sup> −6°10'47.241"	28.9	212	171.0	-29.9	146.2	-46.0	5.3	148
2008/09/02 16:47:08	92279 2000 DG	6.6	19.09	8.38	87	0.8	35°20'45" 49°33'00"	231	0.8 0.8	TYC 740201609	10.71	18 <sup>h</sup> 33 <sup>m</sup> 22.043 <sup>s</sup> −34°56'33.764"	4.8	173	115.9	-5.7	80.8	0.0	9.2	332
2008/09/02 17:27:08	1719 Jens	18.9	15.95	4.69	77	1.9	37°22'14" 50°02'52"	90	5.7 11.5	UCAC2 17794220	11.27	17 <sup>h</sup> 53 <sup>m</sup> 04.315 <sup>s</sup> −33°08'56.649"	6.2	190	107.8	-11.6	72.2	-6.2	9.4	65
2008/09/02 17:54:37	4226 Dami-aan	30.9	15.66	3.72	78	2.7	36°30'37" 50°44'11"	12	5.9 27.6	TYC 623502825	11.98	17 <sup>h</sup> 31 <sup>m</sup> 45.315 <sup>s</sup> −16°50'13.048"	19.9	205	102.6	-15.5	67.8	-10.6	9.5	44
2008/09/03 00:57:32	910 Anneliese	47.1	16.60	2.96	76	1.3	36°35'14" 49°23'29"	164	14.9 25.8	UCAC2 41189322	13.72	8 <sup>h</sup> 04 <sup>m</sup> 35.602 <sup>s</sup> 26°50'41.508"	21.5	73	43.5	-17.6	82.9	-49.8	11.4	72
2008/09/03 18:32:57	3158 Anga	10.5	16.89	3.91	10	1.4	36°23'42" 49°59'28"	129	4.4 4.4	UCAC2 30423997	13.01	19 <sup>h</sup> 16 <sup>m</sup> 52.270 <sup>s</sup> −4°28'42.681"	35.1	190	126.5	-20.8	82.9	-13.6	16.5	95
2008/09/03 21:40:36	56955 2000 ST14	6.0	17.95	6.24	134	0.8	34°47'17" 50°46'33"	307	1.1 2.0	TYC 692100679	11.72	20 <sup>h</sup> 39 <sup>m</sup> 07.098 <sup>s</sup> −23°19'39.696"	10.4	212	144.2	-32.9	94.8	-42.5	17.5	119
2008/09/04 02:24:07	3056 INAG	17.3	16.53	3.18	122	3.7	37°28'03" 49°15'31"	136	3.3 6.8	UCAC2 37478693	13.41	2 <sup>h</sup> 38 <sup>m</sup> 11.421 <sup>s</sup> 16°27'35.358"	54.1	207	119.5	-5.5	169.9	-51.0	18.9	101
2008/09/04 17:11:25	1117 Reginita	13.8	14.86	1.64	143	1.3	37°20'57" 51°08'28"	32	0.0 17.0	UCAC2 23705528	13.49	18 <sup>h</sup> 18 <sup>m</sup> 42.112 <sup>s</sup> −20°53'18.267"	19.1	184	111.9	-10.0	54.1	1.5	24.0	32
2008/09/04 17:34:09	933 Susi	21.9	16.52	2.96	9	3.5	36°21'48" 50°06'29"	39	11.0 11.1	UCAC2 23948990	13.64	18 <sup>h</sup> 23 <sup>m</sup> 03.001 <sup>s</sup> −20°17'47.587"	19.4	188	112.9	-13.3	55.0	-1.6	24.1	79
2008/09/05 01:36:49	382 Dodona	58.4	15.23	3.96	59	3.2	35°48'26" 50°28'36"	324	22.4 51.1	TYC 239000194	11.30	5 <sup>h</sup> 21 <sup>m</sup> 21.435 <sup>s</sup> 30°00'11.925"	57.0	114	81.2	-12.8	143.6	-61.3	27.0	42
2008/09/05 22:10:57	6906 John-mills	9.5	15.70	3.27	225	1.2	38°55'29" 48°58'44"	122	0.6 3.1	TYC 584101275	12.49	0 <sup>h</sup> 00 <sup>m</sup> 48.202 <sup>s</sup> −19°39'59.619"	20.2	174	160.1	-33.1	113.3	-39.1	34.6	125
2008/09/05 23:54:02	1606 Jekhovsky	26.1	17.02	3.34	82	1.3	36°33'25" 49°20'10"	166	6.2 19.1	UCAC2 37848490	13.73	5 <sup>h</sup> 32 <sup>m</sup> 31.639 <sup>s</sup> 17°26'55.532"	30.7	99	80.3	-25.9	150.8	-54.2	35.2	54
2008/09/06 01:25:40	463 Lola	20.0	15.94	3.51	65	0.9	36°54'31" 49°37'35"	137	5.5 19.7	UCAC2 41155284	12.48	5 <sup>h</sup> 22 <sup>m</sup> 10.370 <sup>s</sup> 26°53'17.128"	53.5	115	82.2	-14.6	155.5	-63.4	35.8	40
2008/09/06 21:17:05	2713 Luxem-bourg	16.6	16.26	3.19	85	6.2	35°54'11" 50°46'22"	341	4.6 9.0	UCAC2 36579954	13.13	2 <sup>h</sup> 04 <sup>m</sup> 54.965 <sup>s</sup> 13°53'24.171"	36.3	114	130.6	-33.9	147.0	-24.7	43.4	74

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 2		LinOccult 2.0.0			
		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 (%)	$\sigma_{km}$
2008/09/07 00:30:01	29943 1999 JZ78	27.5	15.93	4.40	96	1.0	35°25'22" 50°42'52"	320	6.9	UCAC2 38224719	11.55	6 <sup>h</sup> 22 <sup>m</sup> 13.691 <sup>s</sup> 18°10'01.181"	29.7	97	69.4	-22.2	151.4	-54.1	44.8	100
2008/09/07 02:43:23	2352 Kurcha- tov	20.0	16.59	3.45	140	1.4	35°54'06" 48°48'44"	191	2.6	UCAC2 39618003	13.19	4 <sup>h</sup> 39 <sup>m</sup> 28.499 <sup>s</sup> 22°28'35.539"	62.3	168	93.3	-3.2	175.1	-66.7	45.7	260
2008/09/07 16:58:43	18535 1996 XQ13	5.8	16.99	6.55	13	0.7	36°25'48" 49°58'26"	129	2.7	TYC 55401507	10.44	21 <sup>h</sup> 37 <sup>m</sup> 15.880 <sup>s</sup> 6°41'36.440"	32.2	122	154.6	-9.2	75.1	10.1	51.3	82
2008/09/07 19:54:05	3260 Vizbor	18.1	17.13	5.18	170	0.9	38°12'01" 49°09'15"	126	0.0	TYC 185001671	11.96	5 <sup>h</sup> 12 <sup>m</sup> 08.906 <sup>s</sup> 24°38'50.909"	3.6	55	86.3	-30.5	177.0	-6.6	52.5	48
2008/09/07 20:30:51	36439 2000 PT26	7.2	17.69	6.18	36	1.3	35°57'23" 50°17'42"	319	2.5	TYC 515001443	11.52	19 <sup>h</sup> 50 <sup>m</sup> 48.585 <sup>s</sup> -3°41'35.689"	29.1	219	131.2	-32.8	45.4	-11.4	52.8	111
2008/09/07 21:49:21	2204 Lyyli	25.3	16.46	6.12	45	1.9	36°48'19" 49°49'04"	125	12.0	TYC 578600981	10.34	21 <sup>h</sup> 27 <sup>m</sup> 26.460 <sup>s</sup> -8°49'26.915"	26.0	212	155.2	-34.3	63.0	-22.7	53.2	67
2008/09/08 19:56:47	33544 Jerold	5.2	17.66	6.88	103	1.7	36°11'43" 50°58'25"	356	1.2	TYC 3800767	10.78	2 <sup>h</sup> 16 <sup>m</sup> 16.402 <sup>s</sup> 0°20'44.489"	12.8	105	133.1	-31.1	120.2	-0.7	61.7	91
2008/09/08 19:56:52	7628 Ev- genifedorov	11.0	16.28	2.94	168	1.2	34°57'21" 48°48'34"	215	1.0	UCAC2 42183526	13.41	2 <sup>h</sup> 55 <sup>m</sup> 38.110 <sup>s</sup> 29°46'50.313"	28.4	77	115.5	-31.1	139.8	-0.7	61.8	98
2008/09/09 17:22:38	18325 1984 SB2	6.3	17.29	5.71	201	0.5	33°32'08" 49°41'30"	259	0.4	UCAC2 37781946	11.59	19 <sup>h</sup> 50 <sup>m</sup> 45.427 <sup>s</sup> 16°48'41.660"	55.7	160	125.4	-13.4	45.7	13.9	69.9	109
2008/09/09 18:43:10	7772 1992 EQ15	11.5	17.20	4.39	153	0.8	36°41'37" 48°42'10"	169	1.6	UCAC2 24394293	12.83	17 <sup>h</sup> 28 <sup>m</sup> 10.279 <sup>s</sup> -19°00'06.841"	10.8	222	95.1	-24.2	20.2	11.2	70.4	113
2008/09/09 19:32:26	20866 2000 VP37	14.5	16.21	4.78	54	2.0	36°35'55" 49°36'24"	156	5.2	TYC 228700693	11.44	0 <sup>h</sup> 43 <sup>m</sup> 40.364 <sup>s</sup> 36°15'03.384"	50.4	90	133.6	-29.4	103.5	7.8	70.7	95
2008/09/09 21:34:53	34700 2001 OE45	14.5	17.45	4.01	92	0.5	36°54'38" 49°19'34"	151	3.6	UCAC2 41002467	13.47	6 <sup>h</sup> 33 <sup>m</sup> 20.175 <sup>s</sup> 26°10'26.770"	8.6	59	70.0	-35.2	174.7	-5.1	71.5	116
2008/09/09 22:26:27	17645 1996 TR14	11.5	18.58	5.25	238	0.8	33°32'39" 51°17'60"	305	0.3	UCAC2 41328289	13.34	5 <sup>h</sup> 20 <sup>m</sup> 13.148 <sup>s</sup> 27°23'15.892"	28.2	80	86.3	-33.9	158.0	-12.0	71.8	102
2008/09/09 23:34:17	365 Corduba	105.9	13.28	2.13	121	14.5	37°15'37" 50°56'37"	35	2.1	TYC 65100332	11.31	3 <sup>h</sup> 06 <sup>m</sup> 18.064 <sup>s</sup> 10°55'20.373"	45.0	140	120.1	-29.1	122.8	-21.8	72.2	34
2008/09/10 00:40:18	3976 Lise	26.2	17.20	4.20	110	1.0	36°28'35" 49°04'07"	173	5.7	UCAC2 37683321	13.02	6 <sup>h</sup> 23 <sup>m</sup> 11.261 <sup>s</sup> 16°39'21.351"	31.9	102	72.1	-21.8	167.1	-31.9	72.6	101
2008/09/10 01:56:43	4686 Maisica	6.9	15.26	4.63	236	1.1	36°44'55" 47°57'00"	172	0.0	TYC 57900512	10.64	23 <sup>h</sup> 05 <sup>m</sup> 54.649 <sup>s</sup> 3°19'52.632"	16.3	255	171.5	-11.1	64.6	-43.6	73.1	71
2008/09/10 02:04:22	30260 2000 HY35	5.5	16.77	6.06	217	0.5	36°51'57" 48°07'53"	169	0.1	TYC 524201004	10.71	23 <sup>h</sup> 04 <sup>m</sup> 51.584 <sup>s</sup> -1°22'10.307"	11.3	254	175.7	-10.0	62.1	-44.8	73.1	88
2008/09/10 17:54:14	1641 Tana	26.1	16.60	4.34	71	1.9	35°17'19" 50°02'42"	270	8.4	TYC 737700357	12.28	17 <sup>h</sup> 43 <sup>m</sup> 40.588 <sup>s</sup> -30°47'11.807"	5.2	205	98.1	-18.3	26.9	16.5	78.5	57
2008/09/10 21:49:09	134965 2001 DQ99	13.2	19.14	5.46	170	0.8	36°15'16" 51°34'40"	359	0.7	UCAC2 42691169	13.69	23 <sup>h</sup> 42 <sup>m</sup> 17.808 <sup>s</sup> 30°45'27.289"	70.9	176	144.1	-35.4	77.6	1.5	79.9	731
2008/09/10 22:10:07	24960 1997 TV17	6.6	18.05	8.54	247	0.6	33°53'11" 51°39'57"	316	0.6	TYC 59601170	9.51	0 <sup>h</sup> 23 <sup>m</sup> 54.798 <sup>s</sup> 8°52'03.348"	48.6	170	158.7	-34.9	74.1	-1.0	80.0	183

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 3		LinOccult 2.0.0			
		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 (%)	$\sigma_{km}$
2008/09/10 23:44:54	2000 AN50	8.3	18.51	6.60	168	0.6	37°21'30" 48°42'41"	153	0.5 4.1	UCAC2 40142749	11.91	5 <sup>h</sup> 01 <sup>m</sup> 49.599 <sup>s</sup> 23°52'47.890"	41.9	103	91.8	-28.4	140.7	-13.9	80.5	81
2008/09/11 23:17:18	2000 Herschel	18.6	14.02	2.46	101	1.8	34°53'33" 49°55'40"	262	3.2 11.9	UCAC2 48186006	11.68	1 <sup>h</sup> 15 <sup>m</sup> 07.607 <sup>s</sup> 51°07'54.868"	88.2	46	119.5	-31.3	91.9	-0.2	87.6	62
2008/09/12 02:03:43	13060 1991 EJ	28.8	17.01	4.26	235	2.2	35°53'45" 47°57'09"	187	2.7 3.5	UCAC2 35493796	12.77	21 <sup>h</sup> 32 <sup>m</sup> 42.601 <sup>s</sup> 10°09'19.341"	4.3	281	149.3	-10.6	30.7	-24.6	88.4	328
2008/09/12 16:37:16	10743 VS2	7.2	16.96	5.17	48	1.1	35°41'07" 49°51'55"	245	3.0 3.6	TYC 514800972	11.80	19 <sup>h</sup> 34 <sup>m</sup> 59.930 <sup>s</sup> -2°31'30.001"	35.8	160	122.9	-7.6	28.9	14.7	92.1	81
2008/09/12 19:13:32	3919 Maryan-ning	5.2	16.31	4.21	46	2.4	35°39'38" 49°58'28"	260	2.3 2.7	TYC 633501438	12.12	20 <sup>h</sup> 42 <sup>m</sup> 02.541 <sup>s</sup> -17°02'37.812"	22.8	187	138.1	-28.7	10.6	24.8	92.7	77
2008/09/12 21:26:27	3491 Fridolin	11.0	17.39	4.82	164	0.6	37°19'34" 48°44'35"	153	0.2 7.1	UCAC2 38570703	12.58	5 <sup>h</sup> 28 <sup>m</sup> 49.865 <sup>s</sup> 19°02'42.933"	13.2	76	87.7	-36.3	122.7	20.9	93.1	62
2008/09/13 17:28:53	24022 1999 RA144	14.5	19.58	7.01	85	0.6	36°26'58" 49°17'28"	172	1.6 1.7	UCAC2 27496146	12.57	15 <sup>h</sup> 44 <sup>m</sup> 11.729 <sup>s</sup> -12°22'53.573"	11.1	235	65.7	-15.8	93.8	20.2	96.8	342
2008/09/13 17:58:46	31590 1999 FS34	5.0	19.04	8.17	49	0.5	36°46'01" 50°21'49"	44	1.0 1.0	TYC 742200263	10.87	19 <sup>h</sup> 05 <sup>m</sup> 45.012 <sup>s</sup> -36°30'08.672"	2.8	190	111.7	-20.0	49.2	23.3	96.9	194
2008/09/13 20:16:30	857 Glasenap-pia	15.0	15.58	2.30	233	1.0	38°17'13" 48°24'57"	142	0.0 19.9	UCAC2 38746983	13.42	5 <sup>h</sup> 08 <sup>m</sup> 34.158 <sup>s</sup> 19°33'05.442"	6.6	67	93.4	-34.4	105.7	30.6	97.3	30
2008/09/14 01:55:33	2877 Likhachev	37.0	18.12	4.51	249	2.3	37°06'23" 47°52'24"	166	0.1 18.6	UCAC2 39809143	13.63	5 <sup>h</sup> 41 <sup>m</sup> 32.899 <sup>s</sup> 22°49'28.740"	55.8	133	85.8	-12.3	110.5	-1.2	98.0	79
2008/09/14 16:32:34	3955 Bruck-ner	18.2	16.03	2.99	162	1.6	38°12'10" 50°50'08"	57	2.6 5.3	UCAC2 23524578	13.11	22 <sup>h</sup> 29 <sup>m</sup> 38.450 <sup>s</sup> -21°03'56.116"	2.0	127	156.6	-7.6	17.7	12.0	99.4	137
2008/09/14 16:44:51	1520 Imatra	53.6	15.04	2.42	237	15.4	39°21'09" 50°54'31"	66	0.1 29.2	UCAC2 30091127	12.75	19 <sup>h</sup> 28 <sup>m</sup> 36.302 <sup>s</sup> -5°09'16.164"	34.2	167	119.5	-9.5	51.8	13.8	99.4	71
2008/09/14 17:46:20	67248 2000 EY87	7.6	18.91	6.94	207	0.9	33°37'37" 50°48'55"	294	0.9 1.7	TYC 516301667	11.98	20 <sup>h</sup> 22 <sup>m</sup> 49.861 <sup>s</sup> -1°36'52.986"	38.0	169	132.9	-18.7	38.8	22.3	99.5	183
2008/09/14 18:25:47	11637 Yangji-achi	7.9	18.86	7.48	219	1.4	38°47'44" 51°12'09"	54	0.6 2.4	UCAC2 22326032	11.38	18 <sup>h</sup> 46 <sup>m</sup> 26.881 <sup>s</sup> -23°34'18.061"	13.2	204	108.4	-23.9	63.9	27.0	99.5	134
2008/09/14 21:29:41	1661 Granule	14.5	18.15	6.10	254	0.7	33°58'30" 51°48'20"	320	0.0 13.7	TYC 186400547	12.05	6 <sup>h</sup> 07 <sup>m</sup> 34.630 <sup>s</sup> 24°13'31.647"	12.9	68	80.6	-37.1	105.5	36.6	99.7	42
2008/09/14 22:23:08	3445 Pinson	17.8	17.62	4.99	215	0.6	33°56'16" 51°16'54"	309	0.3 8.7	UCAC2 42917571	12.64	7 <sup>h</sup> 17 <sup>m</sup> 53.042 <sup>s</sup> 31°56'01.600"	16.3	59	66.1	-35.9	119.0	34.5	99.7	82
2008/09/14 23:04:40	24743 1992 NF	11.0	16.71	3.05	165	1.5	34°32'56" 51°02'09"	312	1.2 4.1	UCAC2 24011133	13.73	21 <sup>h</sup> 46 <sup>m</sup> 57.855 <sup>s</sup> -20°29'44.878"	6.9	226	149.0	-33.3	26.7	31.5	99.7	106
2008/09/14 23:44:30	34700 2001 OE45	14.5	17.42	4.23	229	0.6	37°26'20" 48°07'56"	159	0.7 5.1	UCAC2 40836024	13.21	6 <sup>h</sup> 39 <sup>m</sup> 43.256 <sup>s</sup> 25°56'28.339"	30.2	85	73.5	-29.7	111.3	27.6	99.8	114
2008/09/15 21:54:30	19648 1999 RK104	8.7	16.52	7.91	133	1.3	36°26'27" 48°51'21"	175	1.5 3.3	TYC 174600623	8.61	1 <sup>h</sup> 03 <sup>m</sup> 48.439 <sup>s</sup> 27°52'54.343"	65.0	146	142.7	-37.2	29.8	43.3	99.6	106
2008/09/15 23:49:46	2297 Daghes-tan	25.8	17.42	5.58	180	0.9	35°14'47" 51°31'40"	336	1.7 11.0	TYC 137202267	11.84	7 <sup>h</sup> 30 <sup>m</sup> 58.056 <sup>s</sup> 20°45'40.290"	19.7	81	62.2	-29.5	110.1	37.6	99.4	94

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		LinOccult 2.0.0			
	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 (%)	$\sigma_{km}$
2008/09/16 01:22:56	1144 Oda	57.6	16.35	5.11	261	3.1	36°28'35" 52°23'28"	3	0.3	TYC	11.25	6 <sup>h</sup> 01 <sup>m</sup> 48.850 <sup>s</sup> 13°42'17.848"	42.4	126	83.1	-17.6	89.0	26.8	99.3	87
2008/09/16 19:05:39	12271 RC2	5.8	17.05	7.24	243	0.5	33°36'12" 51°25'21"	309	0.2	TYC	9.81	23 <sup>h</sup> 28 <sup>m</sup> 54.861 <sup>s</sup> 0° - 2°28.011"	32.5	139	176.7	-29.4	19.5	31.2	97.4	106
2008/09/17 21:22:52	1307 Cimmeria	11.7	16.38	7.19	162	0.6	37°39'56" 48°54'17"	142	0.2	TYC	9.19	5 <sup>h</sup> 44 <sup>m</sup> 48.431 <sup>s</sup> 23°08'39.010"	16.3	73	88.7	-38.2	58.9	47.8	92.0	58
2008/09/18 01:09:01	1251 Hedera	26.3	15.58	3.44	167	1.3	35°59'48" 51°32'08"	353	0.0	UCAC2	12.19	6 <sup>h</sup> 15 <sup>m</sup> 34.111 <sup>s</sup> 17°34'04.065"	42.9	118	81.7	-20.1	64.5	50.7	91.0	31
2008/09/18 01:34:05	1138 Attica	18.2	17.35	4.21	115	0.6	36°15'55" 49°00'43"	181	3.6	UCAC2	13.16	8 <sup>h</sup> 12 <sup>m</sup> 25.005 <sup>s</sup> 19°31'44.282"	30.3	95	54.4	-16.5	90.7	48.1	90.9	155
2008/09/18 02:55:29	274 Philagoria	26.6	16.19	4.80	243	1.5	36°39'42" 47°52'57"	174	0.0	UCAC2	11.40	6 <sup>h</sup> 07 <sup>m</sup> 54.590 <sup>s</sup> 22°13'57.662"	60.2	153	83.6	-3.9	61.0	37.6	90.5	38
2008/09/18 17:55:57	723 Hammonia	35.7	15.37	5.16	66	2.5	36°27'07" 49°27'36"	170	11.5	TYC	10.22	17 <sup>h</sup> 58 <sup>m</sup> 43.967 <sup>s</sup> -19°02'20.733"	14.9	213	93.6	-21.5	129.4	13.3	85.9	47
2008/09/19 01:26:28	15123 EP36	2000	18.04	4.58	209	0.9	37°02'37" 48°14'12"	165	0.4	UCAC2	13.47	1 <sup>h</sup> 41 <sup>m</sup> 14.808 <sup>s</sup> 9°08'34.168"	41.9	223	149.6	-17.9	18.8	58.6	83.3	94
2008/09/19 18:54:06	16196 AR236	2000	17.35	5.56	182	0.7	37°03'41" 48°29'25"	162	1.1	UCAC2	11.80	23 <sup>h</sup> 47 <sup>m</sup> 45.133 <sup>s</sup> 23°27'45.095"	50.4	118	155.3	-29.3	49.3	16.7	76.6	140
2008/09/19 19:26:54	4675 Ohboke	9.1	17.04	5.08	78	0.6	35°49'17" 50°40'40"	335	2.7	UCAC2	11.97	18 <sup>h</sup> 31 <sup>m</sup> 54.784 <sup>s</sup> -22°21'58.741"	5.6	225	100.3	-32.8	137.4	21.6	76.4	98
2008/09/19 22:04:00	2310 Olshaniya	32.7	16.34	3.19	225	3.3	37°39'09" 48°14'11"	154	0.4	UCAC2	13.21	4 <sup>h</sup> 42 <sup>m</sup> 01.445 <sup>s</sup> 19°10'47.674"	31.2	97	105.6	-38.4	16.8	45.9	75.3	82
2008/09/19 23:43:19	7757 1990 KO	8.3	16.91	5.29	66	1.5	35°51'06" 49°31'32"	208	2.9	UCAC2	11.63	4 <sup>h</sup> 08 <sup>m</sup> 26.749 <sup>s</sup> 29°44'30.691"	59.4	120	111.3	-31.4	8.6	59.1	74.6	54
2008/09/20 01:16:45	737 Arequipa	44.1	13.52	0.74	107	3.9	36°59'27" 50°53'56"	28	0.4	UCAC2	13.54	5 <sup>h</sup> 06 <sup>m</sup> 46.803 <sup>s</sup> 11°50'58.691"	48.0	147	100.4	-19.6	24.0	64.9	73.9	32
2008/09/20 01:31:12	26718 HP5	2001	17.22	4.69	57	1.0	36°09'50" 50°33'25"	351	2.8	UCAC2	12.54	21 <sup>h</sup> 37 <sup>m</sup> 15.181 <sup>s</sup> 15°30'23.152"	9.2	283	143.2	-17.5	84.5	64.9	73.8	163
2008/09/20 18:43:27	4367 Meech	10.5	15.94	4.47	3	0.9	36°15'14" 50°03'50"	308	4.8	UCAC2	11.49	23 <sup>h</sup> 37 <sup>m</sup> 04.139 <sup>s</sup> -6°32'12.591"	25.1	139	173.0	-28.4	77.3	8.7	66.3	86
2008/09/20 22:16:44	48241 NS12	2001	18.55	6.44	41	0.8	36°27'12" 50°23'58"	17	1.7	TYC	12.11	4 <sup>h</sup> 02 <sup>m</sup> 18.845 <sup>s</sup> 10°11'30.658"	33.0	116	117.1	-38.3	18.4	40.3	64.6	124
2008/09/21 01:52:10	9423 Abt	12.0	17.73	7.14	65	0.5	35°59'41" 50°35'53"	341	2.2	TYC	10.59	6 <sup>h</sup> 51 <sup>m</sup> 54.503 <sup>s</sup> 19°17'24.434"	46.9	121	76.1	-14.6	30.0	66.6	63.0	207
2008/09/21 20:33:45	6254 UM3	1993	16.17	4.73	231	1.5	33°46'36" 51°22'32"	309	0.7	TYC	11.46	22 <sup>h</sup> 19 <sup>m</sup> 31.692 <sup>s</sup> -1°44'03.936"	37.6	194	155.7	-38.5	107.5	15.9	54.1	114
2008/09/21 22:31:58	6223 Dahl	10.0	17.61	3.65	229	0.6	34°23'23" 51°43'09"	324	0.0	UCAC2	13.99	6 <sup>h</sup> 08 <sup>m</sup> 11.705 <sup>s</sup> 26°22'51.441"	28.3	82	87.3	-37.9	6.3	33.5	53.2	66
2008/09/21 23:16:35	34407 RD93	2000	16.69	7.37	22	0.8	36°13'13" 50°14'10"	347	2.4	TYC	9.32	22 <sup>h</sup> 47 <sup>m</sup> 51.043 <sup>s</sup> 3°13'23.745"	30.1	234	162.3	-34.6	100.6	40.4	52.8	89

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 5		LinOccult 2.0.0			
		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 (%)	$\sigma_{km}$
2008/09/22 02:49:25	2000 EN45	13.8	17.21	3.53	86	0.6	35°39'37" 50°42'15"	329	3.5 4.5	UCAC2 46279536	13.72	7 <sup>h</sup> 20 <sup>m</sup> 01.079 <sup>s</sup> 41°54'45.149"	67.9	100	74.7	-5.9	23.2	66.7	51.2	124
2008/09/22 03:13:14	0 2000 YJ15	12.4	19.46	5.84	200	0.8	33°48'36" 49°13'59"	243	0.6 0.6	UCAC2 38000075	13.62	22 <sup>h</sup> 39 <sup>m</sup> 19.505 <sup>s</sup> 17°11'52.154"	3.2	293	153.9	-2.0	97.5	67.4	51.0	779
2008/09/22 19:34:58	447 Valentine	79.5	14.44	3.53	187	5.3	33°55'34" 50°48'03"	296	0.2 55.2	TYC 186301688	10.95	5 <sup>h</sup> 51 <sup>m</sup> 55.333 <sup>s</sup> 23°02'46.021"	2.3	56	91.9	-34.7	10.5	-0.3	43.2	52
2008/09/22 20:21:44	5556 1988 AL	11.5	17.84	3.95	24	1.1	36°11'15" 49°50'45"	198	3.8 3.9	UCAC2 26095907	13.92	18 <sup>h</sup> 57 <sup>m</sup> 20.827 <sup>s</sup> -15°41'57.053"	6.2	236	103.7	-38.3	168.4	5.2	42.9	119
2008/09/22 21:22:44	10894 Nakai	6.9	18.35	9.01	32	2.5	36°02'10" 50°17'12"	326	2.6 2.8	TYC 126001470	9.34	3 <sup>h</sup> 51 <sup>m</sup> 00.569 <sup>s</sup> 20°56'38.638"	35.9	100	120.0	-40.2	39.1	13.3	42.2	100
2008/09/23 19:05:02	13686 1997 QS4	6.9	17.10	5.17	119	1.1	37°24'36" 49°15'46"	137	1.3 1.8	UCAC2 28837073	11.94	22 <sup>h</sup> 25 <sup>m</sup> 11.418 <sup>s</sup> -8°38'31.688"	30.7	168	153.8	-32.1	136.7	-11.0	32.4	151
2008/09/24 01:09:10	2844 Hess	6.9	15.58	4.35	27	0.9	36°18'57" 50°17'11"	5	4.1 4.5	TYC 525700217	11.25	23 <sup>h</sup> 38 <sup>m</sup> 33.876 <sup>s</sup> -6°57'34.646"	11.9	244	170.1	-21.7	123.1	36.1	29.7	61
2008/09/25 02:53:04	236 Honoria	86.2	13.48	0.68	166	4.9	36°46'55" 51°30'05"	12	0.0 92.4	UCAC2 37329388	13.63	6 <sup>h</sup> 21 <sup>m</sup> 05.620 <sup>s</sup> 15°52'37.611"	54.8	161	87.2	-6.0	35.8	40.1	19.5	24
2008/09/25 15:49:38	539 Pamina	54.0	14.31	2.70	125	4.1	35°47'38" 51°07'39"	344	0.0 65.9	UCAC2 24696483	11.70	18 <sup>h</sup> 45 <sup>m</sup> 30.009 <sup>s</sup> -18°56'51.186"	21.1	177	97.9	-4.7	143.2	-15.1	15.0	28
2008/09/25 16:21:21	471 Papagena	134.2	13.12	0.94	286	3.5	35°21'23" 47°33'04"	193	0.0 98.3	UCAC2 29467190	12.78	14 <sup>h</sup> 28 <sup>m</sup> 53.998 <sup>s</sup> -6°38'54.174"	7.9	250	35.0	-9.8	79.5	-18.2	14.8	28
2008/09/25 16:39:21	2219 Man-nucci	39.5	16.91	4.10	229	1.3	35°23'45" 52°01'52"	344	3.4 10.3	UCAC2 23394164	12.84	15 <sup>h</sup> 59 <sup>m</sup> 10.439 <sup>s</sup> -21°05'58.441"	5.8	227	59.2	-12.6	104.1	-19.8	14.7	153
2008/09/25 17:45:56	91505 1999 RA158	5.5	17.35	7.57	13	0.8	36°10'07" 50°08'20"	320	1.8 1.8	TYC 179300993	9.78	2 <sup>h</sup> 54 <sup>m</sup> 53.153 <sup>s</sup> 28°42'32.882"	18.0	67	132.1	-22.7	88.7	-23.9	14.4	123
2008/09/25 19:16:13	3166 Klondike	12.0	16.27	2.72	184	1.1	37°29'04" 48°35'40"	152	0.0 9.3	UCAC2 28475310	13.64	23 <sup>h</sup> 55 <sup>m</sup> 32.414 <sup>s</sup> -9°36'37.275"	25.5	149	168.5	-34.0	143.4	-24.8	13.9	51
2008/09/26 00:43:54	5931 Zhvanetski	16.6	16.50	3.94	129	1.1	37°02'01" 51°06'14"	24	2.9 6.6	UCAC2 34968411	12.59	5 <sup>h</sup> 25 <sup>m</sup> 13.199 <sup>s</sup> 9°22'36.357"	43.0	140	101.7	-25.8	62.1	9.0	12.1	100
2008/09/26 00:51:48	71660 2000 EJ130	6.6	18.13	8.38	143	0.6	37°13'19" 48°54'47"	152	1.0 1.4	TYC 582001241	9.75	23 <sup>h</sup> 06 <sup>m</sup> 13.511 <sup>s</sup> -9°16'18.726"	6.7	247	160.6	-24.7	158.3	10.2	12.1	188
2008/09/26 01:21:43	3714 Kenrusell	11.1	17.03	3.45	35	0.6	36°04'53" 50°20'11"	336	5.2 5.9	UCAC2 43251971	13.63	6 <sup>h</sup> 13 <sup>m</sup> 45.130 <sup>s</sup> 32°51'02.474"	61.3	115	90.3	-20.4	50.7	14.7	12.0	76
2008/09/26 02:46:58	368 Haidea	69.6	16.15	3.71	57	3.6	36°19'49" 50°33'23"	3	29.2 56.3	UCAC2 38056210	12.48	7 <sup>h</sup> 01 <sup>m</sup> 43.615 <sup>s</sup> 17°40'11.490"	53.3	143	78.6	-7.2	39.1	27.7	11.5	45
2008/09/26 03:25:14	45787 2000 OJ24	6.0	15.98	4.76	181	0.7	37°14'48" 48°32'35"	158	0.5 2.3	TYC 400522	11.23	0 <sup>h</sup> 02 <sup>m</sup> 52.302 <sup>s</sup> 4°14'54.672"	1.9	274	176.3	-1.1	141.6	33.2	11.3	103
2008/09/26 16:06:19	1098 Hakone	24.7	14.63	3.63	236	2.1	39°05'25" 48°57'32"	121	0.0 21.1	UCAC2 45472980	11.04	5 <sup>h</sup> 07 <sup>m</sup> 12.810 <sup>s</sup> 39°27'49.885"	2.5	20	103.8	-7.7	72.8	-16.5	8.0	46
2008/09/26 17:58:29	18568 Thuil-lot	12.0	16.34	3.12	65	0.9	37°12'06" 50°01'22"	92	3.7 4.5	UCAC2 36046744	13.28	0 <sup>h</sup> 35 <sup>m</sup> 54.911 <sup>s</sup> 12°01'48.447"	30.1	108	168.2	-24.8	138.9	-27.6	7.5	105

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		LinOccult 2.0.0			
		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 (%)	$\sigma_{km}$
2008/09/26 22:02:12	24482 XV49	6.9	18.20	6.43	249	1.2	35°52'23'' 47°49'48''	187	0.2	TYC 9500357	11.77	4 <sup>h</sup> 41 <sup>m</sup> 45.102 <sup>s</sup> 7°23'37.182''	26.2	111	113.3	-41.1	84.5	-23.3	6.5	111
2008/09/26 22:10:27	76728 JE36	8.7	18.41	5.81	235	0.6	37°08'39'' 48°00'55''	165	0.4	TYC 132501032	12.60	6 <sup>h</sup> 06 <sup>m</sup> 04.569 <sup>s</sup> 22°09'50.660''	25.3	85	92.7	-40.8	63.2	-22.5	6.5	116
2008/09/27 02:09:30	1352 Wawel	24.0	16.62	4.43	142	0.8	36°26'57'' 51°18'56''	5	0.7	UCAC2 37534443	12.21	8 <sup>h</sup> 18 <sup>m</sup> 56.927 <sup>s</sup> 16°12'57.188''	37.8	112	61.1	-13.4	33.6	10.2	5.7	55
2008/09/27 02:21:12	11601 SE4	6.0	16.99	5.92	10	0.7	36°10'09'' 50°00'24''	242	2.3	TYC 173702464	11.07	0 <sup>h</sup> 30 <sup>m</sup> 35.852 <sup>s</sup> 28°08'05.027''	33.6	275	153.2	-11.6	134.4	12.0	5.6	102
2008/09/27 03:06:13	408 Fama	40.8	14.53	2.08	2	4.3	36°18'60'' 50°02'30''	107	47.7	UCAC2 43064260	12.62	5 <sup>h</sup> 10 <sup>m</sup> 13.781 <sup>s</sup> 32°16'56.711''	70.5	210	104.7	-4.4	78.4	18.8	5.5	32
2008/09/28 03:05:51	1401 Lavonne	11.7	13.89	3.68	162	2.1	35°31'25'' 48°40'39''	200	0.0	TYC 118301133	10.24	0 <sup>h</sup> 22 <sup>m</sup> 28.999 <sup>s</sup> 19°34'29.570''	18.4	279	162.4	-4.7	154.4	7.2	1.7	36
2008/09/28 16:52:55	352 Gisela	20.3	14.35	1.32	16	1.1	36°04'42'' 50°05'25''	288	19.3	UCAC2 23943940	13.42	18 <sup>h</sup> 13 <sup>m</sup> 52.891 <sup>s</sup> -20°23'34.996''	16.6	203	87.5	-15.8	95.3	-20.9	0.5	38
2008/09/28 18:29:32	1922 Zulu	12.0	16.16	6.38	81	0.7	35°12'03'' 49°50'51''	254	3.6	TYC 267101375	9.79	20 <sup>h</sup> 09 <sup>m</sup> 18.045 <sup>s</sup> 30°09'35.269''	65.6	223	114.3	-29.7	120.9	-33.8	0.4	91
2008/09/28 21:01:05	78421 QE41	5.2	18.45	6.34	53	0.6	36°23'38'' 49°34'37''	172	0.8	TYC 176900878	12.12	2 <sup>h</sup> 19 <sup>m</sup> 51.174 <sup>s</sup> 25°02'20.838''	53.2	119	143.6	-42.2	139.1	-43.5	0.3	242
2008/09/28 23:08:03	21653 David-wang	5.8	16.95	5.55	159	0.7	35°13'57'' 51°18'33''	332	0.8	UCAC2 39947413	11.41	22 <sup>h</sup> 21 <sup>m</sup> 50.215 <sup>s</sup> 22°50'13.397''	39.1	259	144.3	-37.7	149.6	-36.9	0.2	124
2008/09/28 23:19:42	50589 ED46	7.9	18.70	6.89	203	0.9	39°01'22'' 49°35'06''	105	0.9	UCAC2 43584242	11.81	5 <sup>h</sup> 15 <sup>m</sup> 25.657 <sup>s</sup> 33°53'09.643''	53.9	99	105.2	-36.7	101.5	-35.7	0.2	160
2008/09/29 00:41:07	273 Atropos	29.3	13.97	1.07	108	2.5	37°34'48'' 49°33'11''	121	0.0	UCAC2 28659145	13.41	2 <sup>h</sup> 43 <sup>m</sup> 33.459 <sup>s</sup> -8°33'50.203''	30.3	196	143.2	-27.0	138.0	-25.8	0.2	22
2008/09/29 01:50:33	23434 UB23	6.6	17.58	6.15	22	0.6	36°16'01'' 50°14'46''	356	4.3	TYC 129101145	11.43	5 <sup>h</sup> 16 <sup>m</sup> 45.951 <sup>s</sup> 19°09'00.739''	58.8	167	106.4	-16.9	102.9	-15.8	0.2	56
2008/09/29 02:38:01	18181 QD34	7.6	18.11	6.75	164	0.6	38°07'17'' 50°56'28''	53	0.7	TYC 283301769	11.36	2 <sup>h</sup> 04 <sup>m</sup> 44.975 <sup>s</sup> 40°14'45.792''	52.3	276	135.7	-9.4	135.6	-8.5	0.2	92
2008/09/29 03:06:14	17516 UZ6	5.8	16.10	4.78	151	0.8	36°38'22'' 51°23'19''	10	0.4	TYC 60701212	11.33	0 <sup>h</sup> 41 <sup>m</sup> 50.850 <sup>s</sup> 12°12'21.240''	15.3	271	169.2	-4.9	168.9	-4.2	0.2	78
2008/09/29 03:10:54	281 Lucretia	11.8	15.55	3.08	108	0.7	36°38'33'' 49°06'20''	166	0.1	UCAC2 41169296	12.54	6 <sup>h</sup> 14 <sup>m</sup> 35.510 <sup>s</sup> 26°37'59.087''	66.8	177	93.0	-4.1	90.7	-3.5	0.2	35
2008/09/29 16:34:17	14408 PC16	7.2	16.58	4.59	176	0.7	37°11'45'' 48°35'04''	158	0.8	TYC 200965	12.00	0 <sup>h</sup> 16 <sup>m</sup> 45.670 <sup>s</sup> 0°58'28.039''	13.2	105	177.3	-13.2	171.7	-16.0	0.3	112
2008/09/29 20:44:55	3330 Gantrisch	19.1	16.82	4.63	94	2.9	37°18'21'' 50°34'42''	51	4.9	UCAC2 43063343	12.20	5 <sup>h</sup> 04 <sup>m</sup> 01.588 <sup>s</sup> 32°11'21.832''	30.5	75	108.6	-42.2	115.4	-47.6	0.4	85
2008/09/30 16:07:21	13244 MJ14	17.4	17.23	5.73	218	1.0	34°14'36'' 51°31'21''	318	1.8	UCAC2 23947915	11.50	18 <sup>h</sup> 21 <sup>m</sup> 22.345 <sup>s</sup> -20°08'59.005''	19.1	192	87.3	-9.3	72.0	-8.9	2.0	299
2008/09/30 18:27:58	19932 EU4	9.1	17.87	5.97	182	0.9	36°49'25'' 48°27'08''	168	1.0	UCAC2 27194542	11.90	19 <sup>h</sup> 34 <sup>m</sup> 52.774 <sup>s</sup> -13°00'09.658''	22.0	211	105.3	-30.3	89.4	-31.1	2.3	124

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1	Page 7	LinOccult 2.0.0					
		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 (%)	$\sigma_{km}$
2008/09/30 18:43:32	70045 DA5	7.9	18.75	7.16	235	0.9	34°05'57'' 51°38'58''	319	0.5 2.4	TYC 284501489	11.59	2 <sup><i>h</i></sup> 44 <sup><i>m</i></sup> 38.170 <sup><i>s</i></sup> 37°53'43.093''	37.6	73	133.3	-32.2	150.1	-33.4	2.3	130
2008/09/30 21:31:06	35496 FC33	7.2	16.68	6.22	10	0.6	36°11'37'' 49°58'54''	222	3.0 3.0	TYC 525801104	10.46	23 <sup><i>h</i></sup> 40 <sup><i>m</i></sup> 55.648 <sup><i>s</i></sup> −6°12'37.123''	32.6	196	164.7	-43.3	145.8	-53.0	2.7	97
2008/09/30 22:22:52	4332 Milton	11.5	13.77	1.66	139	1.2	38°12'24'' 50°15'05''	81	0.9 6.6	UCAC2 28658757	12.38	2 <sup><i>h</i></sup> 31 <sup><i>m</i></sup> 11.007 <sup><i>s</i></sup> −8°50'24.315''	29.7	162	147.4	-41.7	152.2	-54.9	2.8	69
2008/09/30 23:27:18	4090 Rise-hvezd	6.9	16.74	7.48	143	0.7	35°30'55'' 51°13'51''	337	0.0 6.8	TYC 62800126	9.26	1 <sup><i>h</i></sup> 43 <sup><i>m</i></sup> 38.111 <sup><i>s</i></sup> 12°52'55.329''	51.7	199	159.3	-36.5	176.9	-53.1	3.0	40