

## Occultations table

Observation point: Voroneg  
EMail: EAX642@box.csp.ru  
Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')  
Maximal Distance = 400.0  
Maximal  $M_v = 14.00$   
Minimal Duration = 0.1s  
Maximal Sun Elevation = 0.0  
Minimal drop: 0.1  
Minimal probability: 0.0  
Minimal probability in nearest point: 1.0  
Minimal star elevation: 3.0  
Program: LinOccult 1.1.0 BETA  
Author: Plekhanov Andrey andyp@newtech.ru  
Events number: 335

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 1		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/01 02:41:14	18893 2000 GH1	7.2	19.20	12.53	300	0.2	38°25'37" 54°19'12"	350	0.1 2.3	HIP 63328	6.67	12 <sup>h</sup> 58 <sup>m</sup> 39.984 <sup>s</sup> −2°54'13.210"	7.2	104	24.3	-15.1	13.5	-6.0	1.0	127
2005/11/01 16:00:27	1097 Vicia	21.1	15.89	2.77	53	0.6	39°19'32" 52°08'17"	8	8.7 11.2	UCAC2 22790335	13.21	19 <sup>h</sup> 00 <sup>m</sup> 56.101 <sup>s</sup> −22°40'30.074"	9.6	213	64.8	-19.7	69.5	-23.2	0.2	75
2005/11/01 16:23:16	36147 1999 RA186	5.8	18.76	8.01	319	0.5	41°27'42" 49°11'06"	151	0.3 1.2	TYC 2300597	10.75	1 <sup>h</sup> 13 <sup>m</sup> 04.589 <sup>s</sup> 4°38'56.375"	26.4	119	159.2	-23.3	163.2	-26.7	0.2	190
2005/11/01 18:10:47	10262 Samoilov	10.0	16.49	3.72	322	1.2	40°48'55" 48°57'26"	160	0.0 3.9	UCAC2 43063335	12.81	5 <sup>h</sup> 03 <sup>m</sup> 58.103 <sup>s</sup> 32°28'19.908"	29.0	73	140.3	-39.2	137.1	-42.0	0.1	103
2005/11/01 21:01:26	16940 1998 GC3	6.6	17.65	6.45	85	0.9	39°52'02" 51°01'00"	148	1.8 2.4	UCAC2 37348053	11.20	7 <sup>h</sup> 19 <sup>m</sup> 08.747 <sup>s</sup> 15°50'32.580"	22.3	92	110.2	-53.2	107.8	-54.4	0.1	112
2005/11/01 23:30:14	2231 Durrell	11.0	17.88	6.74	398	0.6	37°26'02" 55°04'38"	342	0.0 4.8	TYC 140900424	11.14	9 <sup>h</sup> 30 <sup>m</sup> 45.351 <sup>s</sup> 20°55'03.387"	28.9	92	81.3	-43.3	80.6	-44.0	0.0	91
2005/11/01 23:50:01	4623 Obraztsova	8.7	16.59	6.64	175	0.8	39°12'18" 53°14'23"	360	0.4 4.2	TYC 124000170	9.95	3 <sup>h</sup> 19 <sup>m</sup> 21.319 <sup>s</sup> 20°18'11.176"	51.9	226	166.7	-40.8	166.1	-41.6	0.0	82
2005/11/02 00:12:03	67168 2000 AX237	7.2	18.55	6.70	143	0.5	38°58'57" 52°56'38"	354	0.9 1.0	UCAC2 41835616	11.85	3 <sup>h</sup> 39 <sup>m</sup> 52.023 <sup>s</sup> 28°45'00.673"	58.9	234	158.3	-37.9	158.6	-38.7	0.0	280
2005/11/02 02:37:29	1147 Stavropo- lis	13.2	15.48	2.56	255	1.1	40°15'12" 53°51'59"	16	0.0 10.1	UCAC2 39792699	13.02	3 <sup>h</sup> 34 <sup>m</sup> 07.489 <sup>s</sup> 22°57'10.078"	32.3	267	162.6	-15.9	163.6	-17.7	0.0	52
2005/11/02 14:06:01	38429 1999 RX231	7.6	17.28	6.10	271	0.6	37°22'08" 53°49'48"	332	0.7 1.2	TYC 63701142	11.18	2 <sup>h</sup> 14 <sup>m</sup> 44.329 <sup>s</sup> 14°20'03.062"	4.5	73	176.0	-2.5	169.5	-3.2	0.4	262
2005/11/02 14:19:30	15969 1998 EW11	10.5	18.44	4.78	149	0.3	38°49'56" 52°58'53"	350	1.6 2.1	UCAC2 23723600	13.67	18 <sup>h</sup> 40 <sup>m</sup> 22.671 <sup>s</sup> −20°54'26.731"	16.2	196	59.3	-4.5	52.9	-5.0	0.4	197
2005/11/02 16:07:03	2706 Borovsky	13.8	17.68	4.14	251	0.9	35°41'37" 52°15'34"	285	0.9 3.8	UCAC2 20525261	13.56	21 <sup>h</sup> 18 <sup>m</sup> 55.235 <sup>s</sup> −27°40'40.942"	10.7	183	93.2	-21.0	85.4	-20.8	0.5	145
2005/11/02 17:23:32	5067 Occiden- tal	9.1	18.78	6.67	330	0.4	35°37'08" 53°40'06"	312	0.4 2.0	TYC 689000985	12.11	19 <sup>h</sup> 47 <sup>m</sup> 46.064 <sup>s</sup> −23°59'30.697"	4.7	221	74.2	-32.7	66.0	-32.4	0.6	182
2005/11/02 19:36:03	5067 Occiden- tal	12.0	16.38	2.74	103	0.9	38°09'10" 52°18'54"	315	2.8 4.7	UCAC2 35509476	13.73	2 <sup>h</sup> 08 <sup>m</sup> 25.592 <sup>s</sup> 10°36'13.868"	46.9	156	172.8	-49.2	163.1	-50.9	0.7	103
2005/11/02 22:09:01	18481 1995 YH	10.5	16.62	3.10	48	1.0	38°54'44" 52°03'23"	334	2.9 3.1	UCAC2 40467906	13.59	3 <sup>h</sup> 56 <sup>m</sup> 29.012 <sup>s</sup> 24°37'53.072"	62.9	169	158.0	-51.4	168.9	-59.3	0.9	134
2005/11/02 22:31:37	857 Glasenap- pia	15.0	15.58	4.66	47	1.8	38°50'54" 52°01'28"	328	7.5 11.0	TYC 137401310	10.93	7 <sup>h</sup> 47 <sup>m</sup> 58.266 <sup>s</sup> 21°59'30.590"	37.1	101	105.7	-49.7	116.5	-58.4	1.0	54
2005/11/02 23:36:37	29406 1996 TS32	6.9	17.75	6.75	19	0.6	39°18'26" 51°29'56"	161	2.2 2.2	TYC 61300979	11.00	1 <sup>h</sup> 17 <sup>m</sup> 41.243 <sup>s</sup> 8°43'31.832"	27.4	248	160.6	-42.8	149.2	-53.3	1.1	126
2005/11/03 00:09:05	30424 2000 LS4	6.3	18.08	7.51	245	0.3	39°26'03" 53°51'55"	3	0.0 3.3	TYC 81402213	10.57	8 <sup>h</sup> 53 <sup>m</sup> 00.611 <sup>s</sup> 11°41'00.129"	33.8	117	88.2	-38.5	99.5	-49.6	1.1	75
2005/11/03 01:47:21	3905 Doppler	9.5	15.82	4.49	338	1.1	36°37'55" 54°16'13"	328	0.0 3.5	TYC 295500585	11.35	7 <sup>h</sup> 09 <sup>m</sup> 44.667 <sup>s</sup> 44°28'35.384"	83.1	186	115.2	-24.0	127.9	-36.2	1.3	109
2005/11/03 15:12:47	27435 2000 FZ35	5.0	19.43	8.27	375	0.3	44°08'25" 50°20'03"	114	0.1 1.2	TYC 693500369	11.16	20 <sup>h</sup> 57 <sup>m</sup> 53.779 <sup>s</sup> −28°13'12.673"	10.1	176	87.7	-12.8	67.9	-8.6	3.0	165

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.		Table 1		Page 2		LinOccult 1.1.0 BETA				
		Asteroid			Nearest point			Star				Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/03 16:15:28	3066 McFadden	19.1	16.38	3.00	290	0.5	37°39'39" 54°05'47"	338	0.2	UCAC2 27702819	13.45	17 <sup>h</sup> 59 <sup>m</sup> 42.276 <sup>s</sup> −11°38'27.242"	10.4	236	49.7	-22.6	32.5	-17.4	3.1	106
2005/11/03 17:13:51	795 Fini	74.7	14.93	2.76	349	7.7	34°09'58" 51°44'35"	271	0.0	UCAC2 24498093	12.26	22 <sup>h</sup> 39 <sup>m</sup> 44.367 <sup>s</sup> −19°26'12.604"	19.0	181	112.4	-31.5	91.7	-26.1	3.3	85
2005/11/03 19:51:41	64215 2001 TP106	6.3	17.18	5.29	129	0.5	39°14'50" 52°49'30"	1	0.9	TYC 4400384	11.89	2 <sup>h</sup> 12 <sup>m</sup> 50.361 <sup>s</sup> 6°14'01.861"	43.5	162	169.4	-50.8	148.1	-49.5	3.7	241
2005/11/03 19:52:21	22951 1999 TA243	6.6	18.53	8.34	203	1.1	39°18'43" 49°50'15"	178	0.8	TYC 186200977	10.19	5 <sup>h</sup> 50 <sup>m</sup> 32.328 <sup>s</sup> 23°08'23.141"	32.0	92	133.6	-50.9	155.0	-49.6	3.7	250
2005/11/03 20:35:20	32565 2001 QC69	6.3	17.97	7.48	321	0.6	38°53'47" 48°47'05"	184	0.1	TYC 522200565	10.49	21 <sup>h</sup> 48 <sup>m</sup> 15.530 <sup>s</sup> −5°58'52.399"	10.8	246	105.6	-53.3	84.1	-55.1	3.8	129
2005/11/03 20:38:11	42269 2001 QB117	7.6	17.35	6.42	43	0.8	39°22'22" 51°17'34"	165	2.3	TYC 522201236	10.93	21 <sup>h</sup> 52 <sup>m</sup> 27.170 <sup>s</sup> −6°08'17.340"	10.9	245	106.6	-53.4	85.0	-55.4	3.8	126
2005/11/03 20:47:10	1625 The NORC	28.3	15.93	2.14	246	2.0	37°54'42" 53°43'27"	339	0.3	UCAC2 40963461	13.95	0 <sup>h</sup> 50 <sup>m</sup> 56.134 <sup>s</sup> 26°07'07.197"	59.9	221	153.2	-53.6	136.7	-56.5	3.9	89
2005/11/03 21:41:08	13165 1995 WSI	5.0	15.98	4.04	399	0.8	38°55'53" 55°14'54"	357	0.0	UCAC2 39090807	11.97	3 <sup>h</sup> 45 <sup>m</sup> 05.230 <sup>s</sup> 20°39'49.647"	58.5	165	162.8	-53.1	173.6	-61.5	4.0	96
2005/11/03 22:14:25	1376 Michelle	12.0	15.29	1.86	336	1.6	37°01'53" 54°22'40"	333	0.0	UCAC2 37661330	13.64	4 <sup>h</sup> 50 <sup>m</sup> 18.647 <sup>s</sup> 16°35'29.758"	52.8	153	147.8	-51.3	166.9	-63.2	4.1	42
2005/11/03 22:59:39	3411 Debetencourt	6.3	16.48	5.19	347	1.8	40°56'41" 54°36'03"	20	0.0	UCAC2 39441965	11.30	5 <sup>h</sup> 10 <sup>m</sup> 18.988 <sup>s</sup> 21°42'56.277"	59.3	161	143.1	-47.3	165.5	-63.4	4.3	51
2005/11/03 22:59:49	2911 Miahelena	18.2	16.20	3.07	62	3.0	39°00'05" 52°12'06"	346	5.6	UCAC2 28841398	13.20	0 <sup>h</sup> 14 <sup>m</sup> 48.527 <sup>s</sup> −8°15'45.302"	9.2	244	137.7	-47.3	113.8	-63.4	4.3	112
2005/11/03 23:22:35	79977 1999 CS155	6.6	16.82	5.13	368	1.0	39°14'05" 48°21'15"	180	0.0	UCAC2 40626523	11.70	0 <sup>h</sup> 25 <sup>m</sup> 33.605 <sup>s</sup> 25°22'08.785"	33.9	269	147.8	-44.8	129.6	-62.5	4.4	133
2005/11/04 01:52:20	5589 Demeis	10.5	17.82	6.69	139	0.9	38°39'60" 50°27'53"	196	1.3	TYC 138300929	11.13	8 <sup>h</sup> 24 <sup>m</sup> 56.679 <sup>s</sup> 17°10'11.117"	53.6	155	97.3	-23.4	122.0	-46.3	4.8	87
2005/11/04 14:56:15	1382 Gerti	12.0	16.81	3.13	123	0.3	40°17'27" 50°47'18"	143	1.5	UCAC2 22088911	13.74	18 <sup>h</sup> 43 <sup>m</sup> 36.363 <sup>s</sup> −24°04'33.224"	10.9	204	57.7	-10.5	26.0	-2.1	7.7	70
2005/11/04 15:57:32	1287 Lorcía	27.0	17.25	3.53	290	0.8	40°21'32" 49°09'45"	164	1.4	UCAC2 26512413	13.76	18 <sup>h</sup> 21 <sup>m</sup> 56.288 <sup>s</sup> −14°49'31.950"	12.1	226	53.6	-20.0	24.4	-9.5	8.0	163
2005/11/04 19:05:41	17817 1998 FU116	11.5	17.70	7.79	374	0.8	38°11'19" 54°57'48"	349	0.2	TYC 520401151	9.91	21 <sup>h</sup> 05 <sup>m</sup> 22.534 <sup>s</sup> −6°08'38.752"	16.6	236	94.5	-46.8	62.0	-36.4	8.8	164
2005/11/04 22:39:05	8106 Carpino	6.6	17.79	6.22	6	0.5	39°10'30" 51°36'45"	207	2.7	TYC 234000429	11.58	3 <sup>h</sup> 13 <sup>m</sup> 41.096 <sup>s</sup> 31°40'37.371"	67.5	214	162.1	-49.6	154.8	-64.0	9.8	99
2005/11/05 00:06:51	54543 2000 QC60	5.5	17.65	5.99	161	0.5	38°09'57" 52°57'32"	333	0.7	UCAC2 29766985	11.66	3 <sup>h</sup> 11 <sup>m</sup> 05.319 <sup>s</sup> −5°57'59.502"	24.2	222	157.1	-39.3	135.3	-65.7	10.2	120
2005/11/05 02:22:56	14005 1993 SO3	12.6	17.53	3.73	100	1.6	40°28'17" 51°13'15"	120	2.8	UCAC2 44993298	13.83	7 <sup>h</sup> 21 <sup>m</sup> 22.881 <sup>s</sup> 37°43'48.775"	74.9	208	115.1	-18.9	152.4	-52.1	10.8	137
2005/11/05 04:09:56	34691 2001 KV58	5.8	20.09	8.24	294	0.1	37°06'40" 49°23'17"	210	0.4	UCAC2 26681888	11.85	13 <sup>h</sup> 21 <sup>m</sup> 35.838 <sup>s</sup> −14°12'05.844"	9.2	127	19.3	-2.7	57.3	-36.5	11.3	198

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.		Table 1		Page 3		LinOccult 1.1.0 BETA				
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/05 16:03:21	9124 1998 FR60	5.8	17.85	7.38	97	0.7	40°01'54'' 50°57'10''	145	1.3	UCAC2 34038101	10.47	0 <sup>h</sup> 57 <sup>m</sup> 12.407 <sup>s</sup> 6°50'46.410''	29.8	120	152.5	-21.1	107.2	-4.1	15.1	142
2005/11/05 16:09:57	11440 1975 SC2	11.5	18.82	5.89	197	0.4	38°17'35'' 53°20'23''	341	1.4	UCAC2 26991535	12.94	19 <sup>h</sup> 23 <sup>m</sup> 46.665 <sup>s</sup> -13°52'51.526''	17.6	216	67.5	-22.2	25.4	-4.8	15.1	232
2005/11/05 23:33:46	6679 Gurzhij	5.2	17.45	8.37	289	1.6	43°15'06'' 51°02'30''	104	0.0	TYC 189201293	9.08	6 <sup>h</sup> 40 <sup>m</sup> 22.838 <sup>s</sup> 28°07'38.224''	61.4	136	124.5	-43.9	174.0	-64.3	17.6	61
2005/11/06 01:32:20	4603 Bertaud	13.8	17.65	4.58	127	0.5	39°04'04'' 52°47'59''	355	2.4	UCAC2 35578601	13.08	10 <sup>h</sup> 52 <sup>m</sup> 41.484 <sup>s</sup> 10°40'11.179''	29.5	112	63.3	-27.0	113.9	-65.1	18.4	97
2005/11/06 01:39:31	4000 Hip-parchus	10.0	17.43	5.91	199	0.4	39°56'58'' 53°23'26''	15	0.4	UCAC2 35936361	11.52	10 <sup>h</sup> 09 <sup>m</sup> 53.090 <sup>s</sup> 11°57'41.152''	37.5	123	73.5	-25.9	124.0	-64.5	18.4	91
2005/11/06 02:15:49	5248 Scardia	5.5	19.12	9.67	286	0.2	38°26'17'' 49°08'50''	191	0.0	TYC 26700513	9.45	11 <sup>h</sup> 25 <sup>m</sup> 49.565 <sup>s</sup> 4°00'10.227''	25.5	118	53.1	-20.3	104.0	-61.1	18.7	65
2005/11/06 02:39:17	21096 1992 EZ11	7.6	19.13	7.35	182	0.2	38°34'58'' 50°04'29''	194	0.7	UCAC2 31338610	11.78	12 <sup>h</sup> 45 <sup>m</sup> 08.086 <sup>s</sup> -1°22'35.948''	13.1	109	32.9	-16.6	84.2	-58.4	18.8	107
2005/11/06 03:00:34	7299 Indi-awadkins	6.6	17.58	6.16	72	0.3	39°54'45'' 52°09'07''	41	1.1	TYC 81401174	11.42	8 <sup>h</sup> 56 <sup>m</sup> 45.627 <sup>s</sup> 11°09'15.202''	49.6	173	90.3	-13.3	140.1	-55.7	18.9	220
2005/11/06 03:19:16	1801 Titicaca	23.2	14.94	1.50	369	1.9	40°15'19'' 54°55'24''	11	0.0	UCAC2 34957406	13.75	3 <sup>h</sup> 15 <sup>m</sup> 09.838 <sup>s</sup> 9°00'59.192''	9.7	272	169.9	-10.5	131.7	-53.2	19.1	85
2005/11/06 14:16:26	31243 1998 DW10	7.2	19.08	7.19	242	0.3	42°32'53'' 51°01'52''	107	0.6	UCAC2 19798128	11.89	20 <sup>h</sup> 32 <sup>m</sup> 59.927 <sup>s</sup> -29°20'13.857''	8.7	172	79.2	-5.0	22.1	9.2	23.2	179
2005/11/06 14:45:45	17812 1998 FH109	11.5	17.52	4.41	245	0.7	40°31'28'' 53°42'58''	22	0.8	UCAC2 30929822	13.13	21 <sup>h</sup> 20 <sup>m</sup> 38.050 <sup>s</sup> -2°42'33.869''	34.6	163	97.3	-9.4	43.2	7.9	23.5	146
2005/11/06 17:46:03	10262 Samoilov	10.0	16.40	3.56	151	1.1	38°18'07'' 52°53'53''	335	1.3	UCAC2 43233751	12.88	5 <sup>h</sup> 00 <sup>m</sup> 14.144 <sup>s</sup> 32°58'53.602''	29.2	73	145.6	-37.0	153.5	-8.4	24.6	101
2005/11/06 18:58:58	5198 Fongyun-wah	12.6	18.16	4.47	310	0.9	37°05'44'' 54°08'13''	332	0.6	UCAC2 25899675	13.71	21 <sup>h</sup> 12 <sup>m</sup> 22.596 <sup>s</sup> -16°13'29.429''	8.6	230	91.2	-46.5	31.7	-17.8	25.1	174
2005/11/06 20:20:02	33709 1999 LK10	5.0	17.21	5.79	44	0.6	38°47'07'' 51°57'18''	317	1.4	UCAC2 30791309	11.42	3 <sup>h</sup> 43 <sup>m</sup> 31.255 <sup>s</sup> -2°49'27.499''	31.5	150	156.6	-53.5	122.1	-29.4	25.7	137
2005/11/06 20:21:23	3020 Naudts	12.0	16.51	6.15	245	1.6	37°18'34'' 53°32'23''	328	0.0	TYC 71100629	10.36	5 <sup>h</sup> 17 <sup>m</sup> 36.687 <sup>s</sup> 14°13'53.345''	36.3	116	143.9	-53.6	151.0	-29.6	25.7	75
2005/11/06 20:44:30	147 Proto-geneia	132.9	14.04	0.92	50	11.2	39°45'17'' 51°21'47''	132	63.2	UCAC2 37713321	13.72	8 <sup>h</sup> 41 <sup>m</sup> 18.825 <sup>s</sup> 16°50'34.052''	10.8	76	96.2	-54.4	156.3	-33.0	25.9	46
2005/11/06 22:29:07	1147 Stavropo-lis	13.2	15.36	2.08	289	1.1	40°10'50'' 49°08'38''	167	0.0	UCAC2 39792292	13.45	3 <sup>h</sup> 28 <sup>m</sup> 50.097 <sup>s</sup> 22°34'26.725''	60.0	200	168.5	-51.1	129.2	-48.4	26.6	52
2005/11/06 23:48:42	8278 1991 JJ	14.5	15.86	3.15	381	1.0	38°49'42'' 48°14'48''	184	0.0	UCAC2 34218531	12.77	2 <sup>h</sup> 40 <sup>m</sup> 34.303 <sup>s</sup> 7°26'20.039''	33.8	234	171.0	-42.3	111.8	-58.7	27.2	73
2005/11/07 01:12:47	54610 2000 RG52	5.8	17.25	6.61	182	1.7	36°35'33'' 51°30'02''	264	0.8	TYC 187900264	10.64	6 <sup>h</sup> 26 <sup>m</sup> 32.038 <sup>s</sup> 23°12'49.968''	61.3	194	128.6	-30.2	166.9	-65.4	27.8	163
2005/11/07 02:39:47	1547 Nele	23.4	13.17	0.77	254	3.3	41°14'05'' 53°35'29''	33	0.0	UCAC2 44609868	13.13	2 <sup>h</sup> 36 <sup>m</sup> 57.294 <sup>s</sup> 36°37'48.090''	30.0	292	159.4	-16.8	119.5	-63.4	28.5	54

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.		Table 1		Page 4		LinOccult 1.1.0 BETA				
		Asteroid			Nearest point			Star				Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/07 02:40:38	419 Aurelia	129.0	12.40	0.96	127	11.0	40°12'09'' 52°37'37''	32	0.2	TYC 62800020	12.02	1 <sup>h</sup> 48 <sup>m</sup> 06.997 <sup>s</sup> 12°44'51.082''	4.6	285	164.9	-16.6	100.8	-63.4	28.4	21
2005/11/07 03:12:20	29032 2059 T-1	8.3	16.54	5.99	282	0.8	35°19'17'' 52°29'22''	289	0.1 3.3	TYC 377601779	10.55	6 <sup>h</sup> 13 <sup>m</sup> 25.532 <sup>s</sup> 58°50'50.653''	66.2	303	123.4	-11.8	145.8	-60.5	28.6	101
2005/11/07 03:28:47	2051 Chang	25.2	15.73	3.30	146	2.8	39°46'36'' 52°55'52''	15	1.6 14.5	UCAC2 39093458	12.48	4 <sup>h</sup> 20 <sup>m</sup> 38.646 <sup>s</sup> 20°38'15.439''	26.7	270	157.9	-9.3	137.1	-58.7	28.8	69
2005/11/07 04:28:04	6062 Vespa	11.5	18.06	7.56	318	0.2	36°32'07'' 49°22'01''	216	0.0 4.9	TYC 555300754	10.50	13 <sup>h</sup> 47 <sup>m</sup> 20.614 <sup>s</sup> -8°48'33.952''	13.9	124	16.8	-0.6	82.1	-51.1	29.2	93
2005/11/07 13:40:24	1715 Salli	23.1	16.60	4.55	55	0.6	39°59'30'' 51°33'51''	102	3.9 4.0	UCAC2 18280136	12.06	18 <sup>h</sup> 32 <sup>m</sup> 23.851 <sup>s</sup> -32°29'19.337''	5.2	191	52.3	-0.1	18.7	12.2	33.2	228
2005/11/07 13:52:02	18141 2000 OK42	5.2	19.51	10.31	368	0.3	39°00'17'' 54°57'55''	358	0.1 1.2	TYC 520400170	9.20	21 <sup>h</sup> 06 <sup>m</sup> 14.268 <sup>s</sup> -6°41'25.321''	28.7	154	91.8	-1.7	25.9	12.4	33.3	181
2005/11/07 16:49:45	28550 2000 EC26	5.2	17.52	6.47	276	0.5	41°46'24'' 49°46'58''	140	0.0 2.1	TYC 3600258	11.06	1 <sup>h</sup> 50 <sup>m</sup> 49.102 <sup>s</sup> 5°11'15.547''	28.5	121	161.4	-28.8	89.9	5.8	34.6	98
2005/11/07 17:20:51	34417 2000 RE105	5.0	18.96	7.84	390	0.6	43°20'17'' 49°19'53''	132	0.0 2.0	TYC 240701176	11.12	5 <sup>h</sup> 30 <sup>m</sup> 34.354 <sup>s</sup> 33°01'08.505''	21.8	64	140.5	-33.5	146.3	3.1	34.8	98
2005/11/07 20:01:19	4014 Heizman	36.8	17.14	4.56	405	3.9	36°14'37'' 54°50'36''	330	0.0 12.0	UCAC2 39974985	12.60	5 <sup>h</sup> 02 <sup>m</sup> 26.105 <sup>s</sup> 23°24'06.552''	43.4	108	148.6	-52.7	137.7	-16.1	36.0	122
2005/11/07 21:49:26	14332 1981 EX26	5.0	18.33	6.37	84	0.4	39°34'04'' 50°56'15''	163	1.3 3.1	UCAC2 38383272	11.96	4 <sup>h</sup> 32 <sup>m</sup> 25.284 <sup>s</sup> 18°53'16.522''	55.6	156	156.0	-54.0	128.7	-31.8	36.9	65
2005/11/08 01:56:16	7738 Heyman	5.2	18.44	7.11	113	1.8	40°42'07'' 52°06'10''	65	0.7 3.3	UCAC2 40670877	11.33	6 <sup>h</sup> 49 <sup>m</sup> 22.486 <sup>s</sup> 25°16'44.703''	62.0	206	124.5	-23.8	158.6	-61.8	38.7	63
2005/11/08 02:14:02	42993 1999 TP270	6.3	19.26	7.40	358	0.5	42°53'26'' 53°59'19''	44	0.1 1.7	UCAC2 36113136	11.86	8 <sup>h</sup> 32 <sup>m</sup> 56.424 <sup>s</sup> 12°03'39.039''	50.1	168	98.1	-21.0	167.6	-62.4	38.9	147
2005/11/08 02:20:41	2787 Tovar-ishch	18.2	16.18	4.98	335	3.3	43°35'54'' 50°26'39''	114	0.0 8.0	UCAC2 43606357	11.21	7 <sup>h</sup> 00 <sup>m</sup> 22.588 <sup>s</sup> 33°49'22.487''	68.7	221	122.3	-20.0	159.3	-62.6	38.9	90
2005/11/08 03:38:15	6650 Mori-moto	12.6	17.51	4.61	394	0.3	36°29'04'' 48°35'10''	209	0.1 3.3	UCAC2 30374622	12.91	12 <sup>h</sup> 28 <sup>m</sup> 06.221 <sup>s</sup> -4°21'22.241''	21.9	130	37.6	-8.1	115.2	-60.6	39.6	152
2005/11/08 19:20:30	17568 1994 GT8	7.2	17.56	5.89	306	0.5	43°38'09'' 51°31'49''	93	0.1 2.4	UCAC2 28662058	11.67	3 <sup>h</sup> 58 <sup>m</sup> 03.126 <sup>s</sup> -8°50'25.390''	19.6	135	150.1	-49.4	98.6	-0.1	47.0	120
2005/11/08 22:35:35	2587 Gardner	19.1	17.54	4.50	44	1.3	39°15'27'' 51°15'56''	176	6.8 7.5	UCAC2 37715909	13.06	9 <sup>h</sup> 24 <sup>m</sup> 59.815 <sup>s</sup> 16°47'58.913''	22.4	91	88.3	-51.1	175.5	-27.0	48.6	101
2005/11/09 00:25:52	476 Hedwig	116.8	12.48	0.34	147	10.4	39°02'51'' 50°20'52''	185	0.2 94.4	UCAC2 41310031	13.55	1 <sup>h</sup> 35 <sup>m</sup> 53.914 <sup>s</sup> 27°03'46.309''	33.1	273	158.7	-37.7	78.2	-42.8	49.5	31
2005/11/09 01:19:12	11949 Ka-gayayutaka	14.5	16.54	4.72	30	1.2	39°31'57'' 51°50'59''	46	4.7 4.9	TYC 80201062	11.83	8 <sup>h</sup> 12 <sup>m</sup> 01.897 <sup>s</sup> 12°25'10.467''	49.0	156	104.1	-29.7	161.8	-49.5	49.9	119
2005/11/09 01:25:40	32223 2000 OE23	6.0	18.60	7.48	335	0.2	40°19'45'' 54°35'47''	13	0.0 2.0	TYC 26800391	11.12	11 <sup>h</sup> 03 <sup>m</sup> 43.391 <sup>s</sup> 7°18'25.524''	25.9	113	62.5	-28.7	152.0	-50.2	49.9	118
2005/11/09 01:50:00	47873 2000 FV16	5.5	20.04	8.83	269	0.1	39°17'11'' 54°04'37''	1	0.5 1.0	TYC 29200648	11.21	12 <sup>h</sup> 38 <sup>m</sup> 16.410 <sup>s</sup> 3°30'17.446''	12.4	100	39.8	-25.0	129.4	-52.8	50.1	210

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 5		LinOccult 1.1.0 BETA				
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2005/11/09 01:50:36	4717 Kaneko	18.1	16.29	3.46	188	2.5	41°04'56'' 52°54'20''	43	1.3	UCAC2 40485978	12.87	6 <sup>h</sup> 02 <sup>m</sup> 48.236 <sup>s</sup> 24°35'21.628''	57.3	224	136.0	-24.9	134.0	-52.8	50.1	101	
2005/11/09 16:11:09	8321 Akim	11.0	16.78	3.45	244	1.0	42°19'21'' 50°39'46''	117	0.5	UCAC2 40628187	13.38	0 <sup>h</sup> 57 <sup>m</sup> 03.248 <sup>s</sup> 25°29'01.576''	48.3	112	150.3	-23.2	61.3	21.7	56.9	122	
2005/11/09 19:44:55	43503 2001 CK29	10.0	18.33	5.72	80	0.8	38°44'08'' 52°18'52''	335	1.2	UCAC2 31980883	12.61	5 <sup>h</sup> 06 <sup>m</sup> 36.207 <sup>s</sup> 0°54'54.278''	23.3	121	144.9	-51.9	105.6	8.0	58.6	331	
2005/11/09 20:09:48	34708 2001 OG95	7.2	15.68	4.42	298	1.2	42°14'46'' 49°47'26''	135	0.0	TYC 371200122	11.28	2 <sup>h</sup> 43 <sup>m</sup> 13.616 <sup>s</sup> 58°25'46.158''	80.9	36	138.4	-53.8	93.5	5.0	58.7	102	
2005/11/09 20:52:00	29790 1999 CW64	5.8	17.57	6.11	31	0.4	38°51'28'' 51°50'16''	308	2.2	UCAC2 36230770	11.47	2 <sup>h</sup> 32 <sup>m</sup> 06.736 <sup>s</sup> 12°48'51.400''	51.3	185	172.0	-55.4	71.8	-0.4	59.1	99	
2005/11/10 00:37:40	945 Barcelona	25.5	14.36	0.99	176	2.6	40°53'10'' 52°52'28''	41	1.6	UCAC2 48256307	13.92	23 <sup>h</sup> 36 <sup>m</sup> 52.047 <sup>s</sup> 51°34'14.486''	31.5	315	127.2	-36.2	68.8	-32.7	60.9	89	
2005/11/10 00:43:54	514 Armida	106.2	13.53	0.89	295	11.5	39°09'52'' 49°00'37''	181	0.0	UCAC2 40472431	13.28	4 <sup>h</sup> 55 <sup>m</sup> 32.366 <sup>s</sup> 24°47'36.886''	57.0	226	152.2	-35.3	105.3	-33.6	60.9	32	
2005/11/10 01:10:02	1004 Belopolskya	71.6	14.42	2.40	159	5.7	39°17'34'' 53°05'18''	2	7.8	UCAC2 36760908	12.15	3 <sup>h</sup> 23 <sup>m</sup> 29.962 <sup>s</sup> 14°14'16.232''	32.5	250	173.9	-31.3	81.5	-37.1	61.2	95	
2005/11/10 02:09:03	45468 2000 AL203	12.6	18.28	4.83	133	0.3	40°45'46'' 52°23'37''	53	2.3	UCAC2 26891686	13.46	12 <sup>h</sup> 05 <sup>m</sup> 30.926 <sup>s</sup> -13°38'39.282''	6.4	122	42.3	-22.2	141.2	-44.2	61.6	148	
2005/11/10 02:17:29	4483 Petofi	13.8	14.35	1.29	295	1.2	42°30'60'' 50°01'15''	129	0.0	UCAC2 23787373	13.46	5 <sup>h</sup> 11 <sup>m</sup> 50.045 <sup>s</sup> -20°28'44.390''	7.9	222	130.5	-20.9	97.2	-45.1	61.7	61	
2005/11/10 02:53:15	706 Hirundo	29.2	13.65	1.45	27	3.1	38°52'57'' 51°32'23''	239	20.1	UCAC2 46905768	12.53	3 <sup>h</sup> 41 <sup>m</sup> 13.008 <sup>s</sup> 44°11'37.029''	40.5	293	151.5	-15.4	93.3	-48.5	62.0	49	
2005/11/10 03:09:46	5078 Solovjev-Sedoj	6.3	17.32	5.98	276	0.9	39°53'35'' 54°06'49''	10	0.0	TYC 130802120	11.35	5 <sup>h</sup> 27 <sup>m</sup> 28.212 <sup>s</sup> 21°24'38.317''	38.7	255	145.3	-12.9	110.6	-49.7	62.1	94	
2005/11/10 03:55:39	26098 1989 AN3	5.2	16.61	3.86	335	2.7	37°56'16'' 48°45'54''	195	0.0	TYC 129901252	12.79	5 <sup>h</sup> 49 <sup>m</sup> 32.720 <sup>s</sup> 16°13'09.308''	31.1	256	139.8	-6.0	114.5	-52.0	62.6	79	
2005/11/10 04:00:54	7694 Krasetin	12.0	16.70	4.89	213	1.2	37°38'50'' 50°01'39''	211	1.1	UCAC2 43405152	11.82	4 <sup>h</sup> 50 <sup>m</sup> 26.557 <sup>s</sup> 33°28'57.322''	33.8	283	150.5	-5.2	103.6	-52.1	62.5	147	
2005/11/10 13:57:38	5497 Sararus-sell	11.0	18.54	4.96	276	0.3	38°42'42'' 54°07'29''	353	0.9	UCAC2 27181282	13.59	19 <sup>h</sup> 05 <sup>m</sup> 22.466 <sup>s</sup> -13°21'56.099''	24.3	193	58.3	-3.2	53.1	17.3	67.0	221	
2005/11/10 15:24:36	276 Adelheid	121.6	14.55	1.23	453	6.3	36°07'20'' 48°06'47''	208	0.0	UCAC2 32795753	13.74	20 <sup>h</sup> 59 <sup>m</sup> 24.632 <sup>s</sup> 2°34'51.875''	40.9	187	89.9	-16.2	29.8	24.9	67.6	46	
2005/11/10 16:53:18	1361 Leuschneria	30.2	16.22	3.29	252	1.1	38°46'32'' 53°54'47''	353	0.3	UCAC2 27755499	12.99	20 <sup>h</sup> 13 <sup>m</sup> 11.513 <sup>s</sup> -11°48'32.316''	18.2	221	74.7	-29.9	38.2	27.9	68.3	91	
2005/11/10 16:53:43	2382 Nonie	17.4	14.90	1.65	220	1.1	42°07'26'' 52°30'49''	65	1.9	UCAC2 43553016	13.52	23 <sup>h</sup> 27 <sup>m</sup> 50.875 <sup>s</sup> 33°28'46.468''	70.8	156	129.3	-30.0	45.1	27.9	68.3	222	
2005/11/10 18:29:47	1823 Gliese	8.7	17.03	5.04	186	2.8	37°44'34'' 53°04'25''	327	0.0	TYC 188700541	12.00	6 <sup>h</sup> 31 <sup>m</sup> 45.274 <sup>s</sup> 26°26'42.514''	19.7	72	131.2	-43.9	116.8	25.1	68.8	44	
2005/11/10 21:21:39	61290 2000 OX42	5.8	17.95	7.67	162	1.3	37°56'23'' 52°53'30''	327	0.8	TYC 117700232	10.28	23 <sup>h</sup> 57 <sup>m</sup> 08.601 <sup>s</sup> 12°48'15.781''	34.1	245	134.7	-55.7	26.4	7.5	70.4	218	

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 6		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/10 21:42:15	524 Fidelio	71.7	13.14	0.43	175	11.1	39°19'29" 50°05'32"	178	0.0	UCAC2 44449371	13.92	4 <sup>h</sup> 56 <sup>m</sup> 37.129 <sup>s</sup> 36°11'10.549"	69.6	131	148.8	-55.1	95.0	4.8	70.4	22
2005/11/10 23:47:22	15673 Chetaev	5.0	18.85	7.04	312	0.8	39°42'34" 48°52'53"	174	0.0	TYC 194100283	11.82	8 <sup>h</sup> 32 <sup>m</sup> 20.618 <sup>s</sup> 22°49'02.661"	47.1	116	103.9	-43.5	141.0	-13.2	71.4	91
2005/11/11 02:30:02	4224 Susa	34.5	15.80	2.71	366	4.1	44°22'18" 52°32'10"	75	0.1	UCAC2 33919962	13.19	7 <sup>h</sup> 55 <sup>m</sup> 24.879 <sup>s</sup> 6°02'07.493"	44.1	191	108.4	-19.2	131.7	-35.4	72.5	122
2005/11/11 03:32:27	5970 Ohdohrik-ouen	6.6	17.08	8.05	206	0.7	38°29'13" 49°52'19"	194	0.0	TYC 128701440	9.03	5 <sup>h</sup> 12 <sup>m</sup> 11.709 <sup>s</sup> 17°15'45.670"	29.2	261	149.7	-9.7	92.3	-41.6	73.0	56
2005/11/11 04:04:17	92210 AH2	10.5	18.35	4.64	67	0.5	39°11'48" 51°03'42"	181	1.8	UCAC2 39489729	13.72	10 <sup>h</sup> 28 <sup>m</sup> 08.398 <sup>s</sup> 21°43'05.481"	59.9	168	78.3	-5.0	162.2	-43.8	73.1	226
2005/11/11 13:46:01	8417 Lanc-etaylor	5.2	18.21	6.91	166	0.1	39°58'23" 50°15'14"	162	0.2	TYC 626301432	11.30	18 <sup>h</sup> 04 <sup>m</sup> 38.782 <sup>s</sup> -21°15'01.208"	13.9	204	41.9	-1.7	80.9	15.8	77.1	73
2005/11/11 16:04:55	1289 Kuttaissi	25.6	16.27	3.50	294	0.8	36°58'05" 53°55'43"	328	0.0	UCAC2 23497514	12.81	19 <sup>h</sup> 15 <sup>m</sup> 04.173 <sup>s</sup> -21°00'16.816"	8.4	220	58.2	-22.6	65.9	30.8	78.0	76
2005/11/11 16:26:20	2474 Ruby	17.8	16.76	3.50	228	0.5	37°03'38" 53°13'47"	319	1.0	UCAC2 25642230	13.30	19 <sup>h</sup> 00 <sup>m</sup> 42.286 <sup>s</sup> -16°47'48.590"	8.3	229	55.5	-26.0	69.2	32.3	78.2	119
2005/11/11 17:36:49	6080 Lugmair	9.1	18.68	8.61	298	0.4	36°10'04" 53°36'05"	316	0.5	TYC 633900584	10.07	20 <sup>h</sup> 43 <sup>m</sup> 16.784 <sup>s</sup> -19°29'31.287"	9.4	221	78.7	-36.7	46.1	34.7	78.6	171
2005/11/11 19:51:28	17682 AR12	10.0	17.87	5.04	22	0.9	39°23'19" 51°29'55"	147	2.3	UCAC2 29567911	12.84	21 <sup>h</sup> 57 <sup>m</sup> 57.681 <sup>s</sup> -6°31'46.008"	13.5	241	99.8	-53.0	27.1	29.0	79.5	173
2005/11/11 22:19:27	6249 Jennifer	11.0	14.47	1.72	80	0.7	38°15'14" 52°04'10"	304	3.2	UCAC2 36749984	12.99	23 <sup>h</sup> 17 <sup>m</sup> 48.489 <sup>s</sup> 13°31'28.929"	19.4	267	124.5	-53.2	18.1	11.8	80.5	69
2005/11/11 23:12:53	19283 BJ2	7.6	17.38	10.07	319	0.6	39°23'10" 48°48'11"	178	0.2	HIP 15953	7.31	3 <sup>h</sup> 25 <sup>m</sup> 23.923 <sup>s</sup> 31°43'51.893"	62.0	236	165.3	-48.0	60.7	4.2	80.8	155
2005/11/11 23:36:17	6191 Eades	10.0	17.47	6.03	165	1.5	40°39'56" 52°51'20"	37	1.0	UCAC2 41689496	11.44	6 <sup>h</sup> 25 <sup>m</sup> 17.673 <sup>s</sup> 28°02'09.157"	65.0	155	133.8	-45.2	98.0	0.8	80.9	97
2005/11/12 01:43:20	33802 VA203	6.3	18.44	10.26	117	0.8	39°18'45" 52°42'33"	3	1.3	TYC 72301036	8.18	5 <sup>h</sup> 46 <sup>m</sup> 24.192 <sup>s</sup> 12°31'14.397"	44.3	222	141.7	-26.7	87.4	-17.6	81.7	116
2005/11/12 02:57:55	5540 Smirnova	5.2	17.84	6.69	205	1.2	38°45'23" 53°28'48"	351	0.3	UCAC2 38588937	11.15	6 <sup>h</sup> 31 <sup>m</sup> 29.194 <sup>s</sup> 19°15'11.456"	46.6	236	132.2	-15.1	97.5	-27.1	82.2	108
2005/11/12 13:43:21	15158 FH40	7.6	17.75	6.37	343	0.3	34°14'50" 51°56'51"	275	0.2	UCAC2 19297345	11.39	21 <sup>h</sup> 05 <sup>m</sup> 39.321 <sup>s</sup> -30°03'58.911"	6.6	163	80.0	-1.6	56.8	14.4	85.9	171
2005/11/12 14:00:40	7616 Sadako	14.5	17.60	5.00	266	0.4	37°48'30" 53°53'56"	339	1.1	UCAC2 26551310	12.61	19 <sup>h</sup> 05 <sup>m</sup> 04.102 <sup>s</sup> -14°58'50.317"	22.2	196	56.0	-4.0	80.5	16.9	86.0	186
2005/11/12 15:05:25	3682 Welther	19.3	16.53	3.38	56	0.5	38°24'29" 51°39'37"	270	5.7	UCAC2 25607880	13.20	18 <sup>h</sup> 19 <sup>m</sup> 06.688 <sup>s</sup> -16°51'43.776"	12.2	222	44.7	-13.6	92.2	25.9	86.3	122
2005/11/12 15:11:36	3295 Mu-rakami	8.7	18.06	6.08	132	0.3	38°23'08" 52°44'14"	334	1.6	UCAC2 25418445	11.99	19 <sup>h</sup> 08 <sup>m</sup> 38.630 <sup>s</sup> -17°23'34.516"	15.7	211	56.3	-14.5	80.5	26.7	86.4	127
2005/11/12 16:27:57	30497 QH97	11.5	18.23	4.66	233	0.5	40°23'01" 49°42'15"	160	1.0	UCAC2 25896560	13.58	20 <sup>h</sup> 40 <sup>m</sup> 30.030 <sup>s</sup> -16°15'22.524"	18.0	208	77.9	-26.4	59.4	35.4	86.8	168

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 7		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/12 19:55:34	10326 Kuragano	5.2	17.52	6.44	76	0.6	39°20'30'' 50°59'17''	173	1.4	TYC 137700181	11.08	8 <sup>h</sup> 12 <sup>m</sup> 45.208 <sup>s</sup> 16°48'02.698''	11.3	77	108.8	-53.5	111.9	38.9	87.9	53
2005/11/12 20:09:25	4326 McNally	10.5	17.67	5.30	92	1.0	38°49'54'' 52°27'08''	343	2.6	UCAC2 32476869	12.38	1 <sup>h</sup> 22 <sup>m</sup> 30.829 <sup>s</sup> 2°28'27.540''	39.8	197	149.0	-54.5	11.6	37.9	88.0	118
2005/11/12 20:24:14	55014 QC31	5.8	17.61	5.65	360	0.5	39°05'05'' 48°25'42''	181	0.0	UCAC2 35867253	11.97	1 <sup>h</sup> 58 <sup>m</sup> 54.794 <sup>s</sup> 11°38'41.073''	49.7	192	161.3	-55.3	21.9	36.7	88.0	91
2005/11/12 23:47:02	4932 Textapa	13.2	18.06	4.54	117	0.4	40°16'39'' 52°29'37''	38	2.7	UCAC2 33935149	13.54	11 <sup>h</sup> 27 <sup>m</sup> 38.384 <sup>s</sup> 6°11'30.883''	8.8	91	60.5	-44.0	158.1	11.5	89.0	117
2005/11/13 02:27:29	48260 XM24	5.0	18.29	6.35	167	0.8	40°41'52'' 50°29'08''	142	0.7	UCAC2 40012274	11.94	7 <sup>h</sup> 47 <sup>m</sup> 05.437 <sup>s</sup> 23°19'07.223''	60.5	202	116.3	-20.0	101.1	-11.6	89.8	129
2005/11/13 02:33:07	31828 VU199	11.5	18.07	5.90	328	0.9	39°38'03'' 48°43'39''	175	0.3	UCAC2 33698925	12.17	5 <sup>h</sup> 12 <sup>m</sup> 51.940 <sup>s</sup> 5°34'35.348''	27.5	241	148.3	-19.2	65.5	-12.3	89.8	158
2005/11/13 02:36:01	28321 CV110	5.0	18.71	6.19	323	0.3	41°43'03'' 54°08'41''	32	0.0	TYC 82800536	12.53	9 <sup>h</sup> 44 <sup>m</sup> 45.370 <sup>s</sup> 8°39'26.893''	45.3	158	85.3	-18.7	131.8	-12.7	89.9	112
2005/11/13 02:41:53	1083 Salvia	10.0	15.51	2.28	335	3.5	37°08'13'' 54°23'51''	335	0.0	UCAC2 39829184	13.37	6 <sup>h</sup> 48 <sup>m</sup> 13.237 <sup>s</sup> 22°34'58.724''	53.1	230	129.6	-17.8	87.8	-13.5	89.8	40
2005/11/13 03:39:20	7778 Markrobinson	10.5	16.42	2.60	249	0.9	40°12'03'' 49°30'58''	164	0.0	UCAC2 34417206	13.92	6 <sup>h</sup> 03 <sup>m</sup> 23.091 <sup>s</sup> 7°47'53.602''	27.1	247	137.5	-9.1	77.2	-20.5	90.2	48
2005/11/13 03:50:34	9393 Apta	6.0	18.62	7.05	284	0.1	39°01'02'' 49°07'02''	183	0.0	TYC 555800819	11.57	14 <sup>h</sup> 14 <sup>m</sup> 18.653 <sup>s</sup> -11°13'20.412''	6.4	117	15.8	-7.4	159.0	-21.7	90.2	102
2005/11/13 15:16:24	26125 RG	8.3	18.09	6.55	118	0.2	38°47'20'' 52°41'13''	345	1.7	UCAC2 25372945	11.54	18 <sup>h</sup> 01 <sup>m</sup> 29.821 <sup>s</sup> -17°22'12.849''	8.1	228	39.5	-15.5	110.3	26.6	93.1	118
2005/11/13 17:00:10	5520 Natori	14.5	17.24	4.27	108	0.5	38°06'35'' 52°21'36''	315	3.2	UCAC2 26350358	13.00	20 <sup>h</sup> 17 <sup>m</sup> 30.396 <sup>s</sup> -15°14'44.701''	13.6	222	71.8	-31.5	78.7	40.0	93.5	122
2005/11/13 18:28:56	94315 FA59	6.0	18.50	6.69	234	0.9	37°55'54'' 53°36'59''	338	0.6	UCAC2 46414152	11.82	6 <sup>h</sup> 33 <sup>m</sup> 39.887 <sup>s</sup> 42°13'21.128''	32.3	61	131.8	-44.4	74.6	47.1	93.8	219
2005/11/13 20:26:28	324 Bam-berga	229.4	12.07	0.37	82	16.9	38°11'34'' 52°01'57''	300	98.9	UCAC2 38615151	13.06	9 <sup>h</sup> 48 <sup>m</sup> 16.800 <sup>s</sup> 19°03'28.956''	4.2	64	88.7	-55.7	118.7	46.3	94.3	14
2005/11/13 21:32:18	2335 James	5.8	15.01	2.95	387	0.4	44°09'57'' 53°24'37''	60	0.0	TYC 366601048	12.13	0 <sup>h</sup> 36 <sup>m</sup> 15.241 <sup>s</sup> 59°03'25.586''	63.2	304	129.8	-56.3	49.7	40.9	94.5	83
2005/11/13 22:31:32	2683 Brian	14.5	17.49	5.96	211	0.9	38°35'02'' 53°30'56''	348	0.1	UCAC2 36823561	11.53	9 <sup>h</sup> 48 <sup>m</sup> 27.115 <sup>s</sup> 14°14'24.893''	19.3	91	87.1	-52.8	119.4	34.0	94.8	67
2005/11/13 23:28:07	912 Maritima	83.2	12.31	0.63	15	6.1	39°10'41'' 51°32'03''	191	39.3	UCAC2 40971149	12.57	3 <sup>h</sup> 05 <sup>m</sup> 54.692 <sup>s</sup> 26°06'18.709''	51.8	243	171.6	-46.7	26.7	26.3	94.9	79
2005/11/14 00:21:16	1694 Kaiser	16.9	15.49	6.03	152	2.2	40°47'32'' 50°42'59''	134	0.3	TYC 248701841	9.47	8 <sup>h</sup> 36 <sup>m</sup> 58.612 <sup>s</sup> 33°31'45.156''	61.1	116	108.1	-39.5	96.4	18.6	95.1	55
2005/11/14 02:39:13	3196 Maklaj	11.5	16.62	3.62	315	0.9	41°54'24'' 53°58'47''	36	0.0	UCAC2 42187585	13.04	3 <sup>h</sup> 51 <sup>m</sup> 13.221 <sup>s</sup> 29°51'15.406''	32.3	279	166.0	-18.5	35.4	-1.3	95.6	99
2005/11/14 03:18:58	2835 Ryoma	25.2	16.38	2.80	55	4.2	39°37'58'' 52°05'28''	31	10.9	UCAC2 40656974	13.67	6 <sup>h</sup> 04 <sup>m</sup> 06.208 <sup>s</sup> 25°16'55.824''	43.4	256	140.8	-12.4	63.1	-6.6	95.7	61



Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 8		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/14 03:28:56	56955 ST14	6.0	17.88	6.07	131	0.8	39°17'21" 50°29'24"	178	1.1	UCAC2 33349778	11.82	5 <sup>h</sup> 40 <sup>m</sup> 25.920 <sup>s</sup> 4°53'26.908"	22.3	248	142.7	-10.9	59.3	-7.9	95.7	122
2005/11/14 14:12:45	3335 Quanzhou	15.8	17.47	6.03	241	0.4	36°13'41" 52°49'33"	302	1.3	UCAC2 22284991	11.44	17 <sup>h</sup> 38 <sup>m</sup> 09.415 <sup>s</sup> -23°52'51.438"	6.2	218	32.8	-6.1	129.0	14.5	97.5	159
2005/11/14 15:25:49	27174 BB2	11.0	18.61	6.60	303	0.3	34°49'37" 51°54'19"	275	0.8	UCAC2 20032047	12.01	19 <sup>h</sup> 10 <sup>m</sup> 35.991 <sup>s</sup> -28°36'54.684"	3.5	212	53.5	-17.1	109.3	25.7	97.7	418
2005/11/14 15:27:43	5532 Ichinohe	12.6	18.31	5.21	351	0.4	42°13'07" 49°09'15"	143	0.3	UCAC2 23254264	13.11	19 <sup>h</sup> 31 <sup>m</sup> 47.358 <sup>s</sup> -21°48'31.939"	11.4	210	58.9	-17.4	103.5	26.0	97.7	169
2005/11/14 15:27:59	39213 XZ40	13.2	15.73	2.90	320	1.4	42°53'11" 49°57'43"	127	0.2	UCAC2 47163584	12.90	4 <sup>h</sup> 39 <sup>m</sup> 49.851 <sup>s</sup> 45°19'32.923"	26.4	49	148.2	-17.4	44.3	26.0	97.6	127
2005/11/14 15:43:46	7549 Woodward	10.0	18.58	5.99	353	0.3	40°44'59" 48°39'11"	162	0.5	UCAC2 26989711	12.60	19 <sup>h</sup> 19 <sup>m</sup> 39.564 <sup>s</sup> -13°42'12.680"	16.5	220	57.6	-19.9	104.9	28.4	97.7	221
2005/11/14 16:06:47	269 Justitia	53.6	14.22	2.35	338	1.5	36°36'08" 54°15'32"	328	0.0	TYC 632001470	12.01	19 <sup>h</sup> 50 <sup>m</sup> 00.208 <sup>s</sup> -19°34'58.663"	11.8	216	63.5	-23.5	99.3	31.8	97.7	19
2005/11/14 16:37:37	7200 1994 NO	5.2	18.78	7.77	327	0.1	40°13'11" 48°47'35"	168	0.1	TYC 569201237	11.01	18 <sup>h</sup> 40 <sup>m</sup> 46.398 <sup>s</sup> -7°52'35.213"	10.3	243	49.9	-28.2	113.4	36.3	97.8	143
2005/11/14 16:45:45	15317 HW1	6.6	17.92	6.57	14	0.8	39°06'09" 51°45'44"	324	4.4	UCAC2 40322869	11.35	6 <sup>h</sup> 10 <sup>m</sup> 33.875 <sup>s</sup> 24°24'28.472"	8.5	61	139.9	-29.5	57.0	37.4	97.8	59
2005/11/14 17:21:43	1358 Gaika	20.0	16.69	5.00	66	0.7	38°20'03" 51°54'12"	294	5.7	TYC 634101270	11.70	20 <sup>h</sup> 27 <sup>m</sup> 44.012 <sup>s</sup> -20°46'59.573"	7.0	223	71.8	-35.0	91.7	42.2	97.9	121
2005/11/14 17:41:11	34414 RQ103	10.0	17.90	5.16	142	0.6	38°35'13" 52°52'45"	342	1.6	UCAC2 31087320	12.75	21 <sup>h</sup> 21 <sup>m</sup> 08.146 <sup>s</sup> -2°29'00.587"	27.1	224	89.5	-37.9	74.0	44.6	97.9	173
2005/11/14 18:43:51	199 Byblis	63.0	13.47	1.11	273	4.0	38°43'19" 54°06'01"	353	0.1	UCAC2 32988187	12.85	3 <sup>h</sup> 15 <sup>m</sup> 58.493 <sup>s</sup> 3°42'38.597"	34.1	137	165.3	-46.5	19.3	51.0	98.1	79
2005/11/14 20:17:02	32446 SY5	5.8	17.04	5.49	106	0.9	39°23'46" 50°42'56"	173	1.3	UCAC2 34052618	11.55	5 <sup>h</sup> 16 <sup>m</sup> 41.906 <sup>s</sup> 6°42'04.881"	33.6	128	149.4	-55.5	44.8	54.5	98.3	100
2005/11/14 21:10:01	23898 SG60	8.7	18.37	7.30	126	0.5	38°07'44" 52°34'25"	323	1.6	TYC 83500983	11.07	9 <sup>h</sup> 52 <sup>m</sup> 45.535 <sup>s</sup> 14°18'39.683"	6.7	75	87.1	-56.9	107.3	52.6	98.4	111
2005/11/14 21:12:35	3484 Neugebauer	9.5	18.44	6.48	64	0.5	38°18'45" 51°48'21"	284	3.4	UCAC2 37182946	11.97	10 <sup>h</sup> 08 <sup>m</sup> 57.582 <sup>s</sup> 15°25'20.699"	5.5	72	83.8	-56.9	110.4	52.4	98.4	82
2005/11/15 01:17:26	65677 EB1	11.5	17.93	5.19	17	0.4	39°17'49" 51°48'26"	19	2.3	UCAC2 35215133	12.75	10 <sup>h</sup> 54 <sup>m</sup> 21.066 <sup>s</sup> 9°33'07.556"	31.2	117	71.5	-31.3	120.7	22.2	98.8	200
2005/11/15 01:42:20	19615 OB3	13.2	17.23	3.75	27	2.5	39°35'37" 51°36'33"	103	4.8	UCAC2 37527901	13.52	7 <sup>h</sup> 32 <sup>m</sup> 50.809 <sup>s</sup> 16°24'11.969"	54.7	190	120.3	-27.5	71.9	18.6	98.9	106
2005/11/15 02:05:42	6328 NL1	13.8	18.01	4.09	50	0.7	38°58'56" 51°14'22"	199	4.7	UCAC2 36297410	13.95	10 <sup>h</sup> 14 <sup>m</sup> 52.808 <sup>s</sup> 12°53'37.679"	45.0	139	81.8	-23.9	110.0	15.1	98.9	103
2005/11/15 03:39:37	3530 Hammel	5.5	17.61	7.58	203	1.1	38°16'08" 49°56'26"	199	0.0	TYC 187801099	10.03	6 <sup>h</sup> 23 <sup>m</sup> 32.476 <sup>s</sup> 23°26'55.728"	41.2	255	137.4	-9.5	53.6	2.0	99.0	53
2005/11/15 14:22:24	49462 AS6	5.5	19.93	8.32	297	0.2	37°41'39" 54°09'54"	339	0.4	TYC 627500640	11.61	18 <sup>h</sup> 33 <sup>m</sup> 07.212 <sup>s</sup> -20°28'52.378"	12.9	210	44.6	-7.7	129.7	12.6	99.7	211

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 9		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun		Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/15 14:32:50	34839 2001 SL263	10.5	18.39	6.38	333	0.3	41°19'05'' 48°59'32''	154	0.7	UCAC2 22068660	12.02	18 <sup>h</sup> 15 <sup>m</sup> 49.367 <sup>s</sup> -24°27'21.900''	6.9	215	40.4	-9.2	134.2	14.1	99.7	237
2005/11/15 18:07:34	43325 2000 KY50	6.3	19.23	9.86	123	0.3	38°06'56'' 52°32'30''	322	1.0	UCAC2 22363181	9.37	21 <sup>h</sup> 44 <sup>m</sup> 10.487 <sup>s</sup> -23°59'09.362''	6.7	216	86.9	-41.9	90.1	46.0	99.8	207
2005/11/15 20:21:14	2521 Heidi	15.1	15.69	1.96	3	1.2	39°13'34'' 51°38'05''	169	7.6	UCAC2 41489219	13.93	3 <sup>h</sup> 33 <sup>m</sup> 43.051 <sup>s</sup> 27°48'51.209''	64.2	151	170.5	-55.9	8.5	59.0	99.9	79
2005/11/15 22:57:26	1830 Pogson	10.7	15.08	3.12	163	1.3	38°51'08'' 53°06'32''	351	0.2	UCAC2 34217979	12.03	2 <sup>h</sup> 26 <sup>m</sup> 11.889 <sup>s</sup> 7°08'17.131''	33.8	233	161.7	-50.7	19.0	52.4	99.9	62
2005/11/15 22:57:26	1830 Pogson	10.7	15.08	3.41	163	1.3	38°51'08'' 53°06'32''	351	0.2	TYC 4500928	11.72	2 <sup>h</sup> 26 <sup>m</sup> 11.889 <sup>s</sup> 7°08'17.131''	33.8	233	161.7	-50.7	19.0	52.4	99.9	62
2005/11/15 22:58:29	5563 1991 VZ1	15.1	15.74	5.42	259	2.0	37°41'03'' 49°32'47''	204	0.0	TYC 186602177	10.33	5 <sup>h</sup> 48 <sup>m</sup> 27.184 <sup>s</sup> 25°21'43.163''	63.2	164	146.2	-50.6	34.8	52.3	99.9	77
2005/11/16 00:56:18	19746 2000 AE200	6.0	18.79	6.80	350	1.1	44°17'46'' 51°50'30''	87	0.1	UCAC2 33027374	11.99	7 <sup>h</sup> 31 <sup>m</sup> 54.783 <sup>s</sup> 3°32'02.102''	41.9	174	117.9	-34.8	63.2	36.7	99.9	144
2005/11/16 01:12:06	3874 Stuart	12.0	17.62	5.08	259	0.4	40°15'43'' 53°53'58''	16	0.0	UCAC2 32202992	12.55	10 <sup>h</sup> 54 <sup>m</sup> 46.414 <sup>s</sup> 1°14'10.973''	24.0	121	69.3	-32.4	110.8	34.4	99.9	70
2005/11/16 03:18:30	8793 Thomas-muller	6.0	19.15	7.24	352	0.2	36°33'15'' 49°00'05''	212	0.0	UCAC2 29282165	11.91	12 <sup>h</sup> 50 <sup>m</sup> 20.549 <sup>s</sup> -7°19'24.192''	18.0	129	39.4	-12.9	139.4	15.9	99.9	93
2005/11/16 03:40:54	3380 Awaji	13.8	16.10	2.50	41	1.6	39°32'56'' 51°57'56''	34	6.6	UCAC2 39270602	13.72	5 <sup>h</sup> 22 <sup>m</sup> 06.257 <sup>s</sup> 21°23'44.701''	29.5	268	152.6	-9.5	26.4	12.7	99.9	70
2005/11/16 14:42:01	1879 Broederstroom	10.5	17.54	4.86	286	0.3	36°34'38'' 53°40'42''	321	0.0	UCAC2 23750494	12.69	19 <sup>h</sup> 28 <sup>m</sup> 09.429 <sup>s</sup> -20°35'23.624''	15.0	203	56.3	-10.8	130.5	11.2	99.5	93
2005/11/16 16:45:14	7612 1996 CN2	16.6	15.96	3.42	299	1.9	40°40'16'' 49°08'38''	160	0.5	UCAC2 31264186	12.59	2 <sup>h</sup> 03 <sup>m</sup> 26.299 <sup>s</sup> -1°02'51.537''	25.5	129	151.2	-29.8	37.7	29.2	99.4	138
2005/11/16 19:38:30	2335 James	5.8	15.06	3.87	98	0.4	40°01'31'' 52°23'29''	35	1.4	TYC 366500739	11.22	0 <sup>h</sup> 20 <sup>m</sup> 10.203 <sup>s</sup> 59°47'05.522''	73.8	310	127.1	-53.0	51.9	54.2	99.2	84
2005/11/16 19:45:15	4376 Shige-mori	6.3	17.63	6.98	244	0.4	36°45'13'' 53°15'45''	316	0.1	TYC 579600818	10.66	21 <sup>h</sup> 46 <sup>m</sup> 55.119 <sup>s</sup> -12°35'01.743''	5.0	242	90.2	-53.6	99.3	55.1	99.2	88
2005/11/16 23:30:02	64220 2001 TF107	5.8	16.66	6.89	85	1.2	40°19'15'' 51°20'23''	115	1.5	TYC 188000087	9.77	6 <sup>h</sup> 34 <sup>m</sup> 10.228 <sup>s</sup> 24°14'24.116''	61.6	159	136.9	-47.1	31.7	58.0	98.9	111
2005/11/17 01:39:28	8195 1993 UC1	9.5	16.70	4.56	83	1.6	38°38'13'' 52°19'07''	331	2.2	TYC 134200500	12.15	6 <sup>h</sup> 46 <sup>m</sup> 39.439 <sup>s</sup> 22°07'53.107''	57.4	213	133.9	-28.4	33.7	41.0	98.7	54
2005/11/17 02:05:07	4568 Menkaure	13.8	16.54	2.71	236	1.0	40°51'10'' 53°32'30''	28	0.9	UCAC2 41141401	13.92	2 <sup>h</sup> 42 <sup>m</sup> 02.722 <sup>s</sup> 26°30'18.473''	22.8	284	166.7	-24.4	22.0	37.3	98.6	136
2005/11/17 13:42:43	0 2000 MH1	7.9	18.36	8.33	168	0.5	37°11'17'' 50°51'14''	237	1.1	TYC 324802542	10.03	0 <sup>h</sup> 27 <sup>m</sup> 14.546 <sup>s</sup> 45°56'43.849''	48.1	71	133.7	-2.4	54.1	-0.3	97.2	233
2005/11/17 18:37:44	33363 1999 BO4	6.9	16.67	4.85	248	0.9	36°29'23'' 53°08'52''	311	0.4	TYC 229701542	11.83	1 <sup>h</sup> 32 <sup>m</sup> 09.031 <sup>s</sup> 33°14'19.651''	71.1	161	149.7	-46.3	44.7	39.9	96.5	141
2005/11/17 20:35:29	0 2000 XE15	5.8	15.63	5.69	371	0.5	43°14'31'' 53°56'39''	48	0.0	TYC 188700067	9.94	6 <sup>h</sup> 26 <sup>m</sup> 06.435 <sup>s</sup> 26°20'01.335''	44.1	103	139.6	-57.0	18.3	56.6	96.2	134

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 10		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/17 20:50:12	7030 Colom-bini	5.5	18.30	6.87	344	0.5	41°49'39'' 49°03'32''	148	0.0	TYC	11.43	5 <sup><i>h</i></sup> 46 <sup><i>m</i></sup> 43.847 <sup><i>s</i></sup> 21°30'56.859''	48.1	121	148.6	-57.5	11.2	58.4	96.2	65
2005/11/17 21:06:07	21360 1997 GW30	5.8	19.18	7.47	349	0.8	40°32'04'' 48°38'41''	165	0.2	UCAC2	11.72	0 <sup><i>h</i></sup> 59 <sup><i>m</i></sup> 02.452 <sup><i>s</i></sup> 6°13'50.164''	35.0	228	140.5	-57.7	62.1	60.2	96.1	187
2005/11/17 21:12:38	544 Jetta	24.6	14.81	2.81	281	4.6	40°37'06'' 49°18'19''	160	0.0	UCAC2	12.08	6 <sup><i>h</i></sup> 57 <sup><i>m</i></sup> 32.803 <sup><i>s</i></sup> 28°26'11.442''	46.5	102	132.6	-57.7	24.7	60.9	96.1	52
2005/11/17 21:27:47	41852 2000 WN87	8.3	16.64	5.90	128	0.8	38°41'57'' 50°33'28''	196	1.1	TYC	10.75	4 <sup><i>h</i></sup> 48 <sup><i>m</i></sup> 12.307 <sup><i>s</i></sup> 8°47'13.367''	45.8	160	159.0	-57.4	19.2	62.4	96.1	258
2005/11/18 00:20:48	39137 2000 WX62	6.0	17.76	7.29	391	0.5	39°15'58'' 55°10'30''	0	0.1	TYC	10.47	3 <sup><i>h</i></sup> 43 <sup><i>m</i></sup> 52.850 <sup><i>s</i></sup> 25°17'06.065''	46.8	250	173.4	-40.5	20.1	60.5	95.5	185
2005/11/18 00:40:35	2040 Cha-longe	34.3	15.17	1.79	413	3.3	43°59'01'' 54°00'27''	52	0.0	UCAC2	13.61	5 <sup><i>h</i></sup> 15 <sup><i>m</i></sup> 12.995 <sup><i>s</i></sup> 35°00'18.470''	64.3	241	152.5	-37.6	7.3	58.3	95.5	87
2005/11/18 01:39:04	61172 2000 NE21	5.8	17.90	6.23	111	0.6	38°53'54'' 50°41'27''	191	1.2	TYC	11.67	5 <sup><i>h</i></sup> 14 <sup><i>m</i></sup> 49.928 <sup><i>s</i></sup> 36°24'50.382''	56.6	260	151.9	-28.7	8.7	50.7	95.3	101
2005/11/18 02:17:38	62390 2000 SA166	5.5	18.44	8.13	13	0.7	39°06'57'' 51°45'32''	326	1.9	TYC	10.31	7 <sup><i>h</i></sup> 03 <sup><i>m</i></sup> 02.927 <sup><i>s</i></sup> 11°23'01.932''	45.1	216	129.1	-22.7	29.5	45.2	95.2	117
2005/11/18 03:53:06	2000 Herschel	18.6	16.03	3.19	202	0.6	36°41'10'' 50°46'54''	241	0.0	UCAC2	12.89	11 <sup><i>h</i></sup> 21 <sup><i>m</i></sup> 21.211 <sup><i>s</i></sup> −9°57'35.631''	27.1	163	61.5	-8.2	94.6	31.0	94.9	50
2005/11/18 04:16:16	8485 Satoru	6.9	18.07	6.53	316	0.6	42°49'41'' 53°28'10''	51	0.0	UCAC2	11.54	4 <sup><i>h</i></sup> 56 <sup><i>m</i></sup> 35.059 <sup><i>s</i></sup> 35°33'07.083''	29.2	292	155.5	-4.9	9.5	27.6	94.8	85
2005/11/18 14:09:52	29513 1997 YT5	8.3	18.58	6.69	201	0.2	37°35'33'' 53°10'21''	326	0.9	UCAC2	11.90	19 <sup><i>h</i></sup> 00 <sup><i>m</i></sup> 49.482 <sup><i>s</i></sup> −20°41'40.723''	14.7	203	48.0	-6.4	161.5	-1.8	92.9	284
2005/11/18 14:41:57	19081 Mravinskij	10.0	17.99	4.17	216	0.3	38°08'36'' 53°29'43''	340	1.0	UCAC2	13.84	18 <sup><i>h</i></sup> 41 <sup><i>m</i></sup> 07.629 <sup><i>s</i></sup> −11°15'33.359''	19.5	219	45.2	-11.1	158.8	1.3	92.7	157
2005/11/18 17:32:32	536 Merapi	151.4	13.36	2.07	65	11.8	39°35'28'' 51°07'25''	157	57.5	UCAC2	11.47	5 <sup><i>h</i></sup> 42 <sup><i>m</i></sup> 37.419 <sup><i>s</i></sup> 31°58'59.809''	27.2	72	149.0	-37.3	4.4	22.8	92.1	52
2005/11/18 20:28:11	4937 1986 CL1	14.5	16.41	6.36	197	1.2	37°34'08'' 53°07'17''	325	0.2	TYC	10.06	5 <sup><i>h</i></sup> 25 <sup><i>m</i></sup> 26.325 <sup><i>s</i></sup> 32°16'01.315''	57.0	111	152.5	-57.0	8.7	48.8	91.4	75
2005/11/18 20:45:03	6861 1991 FA3	14.5	17.19	6.61	55	1.1	39°11'25'' 52°09'16''	358	4.3	TYC	10.58	5 <sup><i>h</i></sup> 27 <sup><i>m</i></sup> 57.715 <sup><i>s</i></sup> 34°58'01.097''	61.0	112	150.9	-57.6	9.8	51.2	91.4	122
2005/11/19 14:56:28	6639 1989 SO8	11.0	18.05	5.40	390	0.3	42°12'38'' 48°43'57''	148	0.2	UCAC2	12.66	18 <sup><i>h</i></sup> 44 <sup><i>m</i></sup> 23.817 <sup><i>s</i></sup> −24°29'56.342''	5.9	217	42.8	-13.4	176.4	-2.6	86.7	167
2005/11/19 16:00:58	27916 1996 VX1	7.9	18.59	7.27	311	0.2	35°24'06'' 53°12'30''	303	0.5	UCAC2	11.32	18 <sup><i>h</i></sup> 41 <sup><i>m</i></sup> 11.059 <sup><i>s</i></sup> −17°05'16.166''	4.9	234	42.9	-23.3	168.9	3.7	86.4	215
2005/11/19 16:17:21	3001 Michelan-gelo	11.0	17.39	3.54	67	0.4	38°51'36'' 52°13'16''	338	2.7	UCAC2	13.89	20 <sup><i>h</i></sup> 28 <sup><i>m</i></sup> 21.138 <sup><i>s</i></sup> −9°14'28.712''	22.1	218	70.1	-25.9	149.8	5.5	86.3	149
2005/11/19 16:19:44	91745 1999 TFI84	5.5	18.76	12.00	61	0.4	38°28'11'' 51°56'59''	302	1.0	HIP	6.76	4 <sup><i>h</i></sup> 27 <sup><i>m</i></sup> 18.286 <sup><i>s</i></sup> 36°31'12.865''	31.3	69	160.1	-26.2	30.7	5.8	86.3	218
2005/11/19 19:39:28	61266 2000 OY29	6.0	17.17	4.61	296	0.7	35°59'33'' 53°27'40''	312	0.4	TYC	12.58	5 <sup><i>h</i></sup> 42 <sup><i>m</i></sup> 31.092 <sup><i>s</i></sup> 31°48'38.021''	47.3	97	150.1	-53.7	16.3	33.1	85.4	194

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.				Table 1		Page 11		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2005/11/19 20:58:41	42986 1999 TP231	5.2	19.13	8.54	224	0.4	38°34'56'' 53°38'21''	349	0.5 1.4	TYC 81900695	10.59	9 <sup>h</sup> 17 <sup>m</sup> 32.025 <sup>s</sup> 9°21'36.201''	9.5	87	98.7	-58.1	37.4	44.9	84.9	149	
2005/11/19 23:14:29	1994 Shane	25.1	14.85	5.58	187	2.6	38°28'27'' 53°16'39''	344	1.3 11.1	TYC 121800868	9.28	2 <sup>h</sup> 28 <sup>m</sup> 04.833 <sup>s</sup> 19°59'47.266''	40.2	250	162.7	-49.7	62.9	62.3	84.3	90	
2005/11/20 03:43:10	16779 1996 WH2	8.3	17.44	7.29	161	0.8	38°56'44'' 50°13'31''	187	1.0 3.1	TYC 132101099	10.15	6 <sup>h</sup> 06 <sup>m</sup> 30.045 <sup>s</sup> 19°22'35.962''	32.0	261	146.1	-10.1	17.6	48.4	82.9	107	
2005/11/20 13:34:54	395 Delia	51.0	15.11	3.14	201	16.5	41°51'10'' 52°27'09''	64	0.0 57.3	TYC 900167	12.03	0 <sup>h</sup> 29 <sup>m</sup> 58.090 <sup>s</sup> 7°16'58.528''	21.2	106	131.4	-1.8	101.5	-11.5	79.8	32	
2005/11/20 13:34:54	395 Delia	51.0	15.11	3.00	201	16.5	41°51'10'' 52°27'09''	64	0.0 57.3	UCAC2 34213829	12.18	0 <sup>h</sup> 29 <sup>m</sup> 58.090 <sup>s</sup> 7°16'58.528''	21.2	106	131.4	-1.8	101.5	-11.5	79.8	32	
2005/11/20 14:21:51	38429 1999 RX231	7.6	17.77	6.82	96	0.7	39°45'50'' 50°52'36''	157	1.0 1.1	TYC 62901002	10.95	2 <sup>h</sup> 00 <sup>m</sup> 14.731 <sup>s</sup> 13°58'00.372''	19.8	92	154.5	-8.4	79.0	-10.0	79.6	273	
2005/11/20 16:34:14	11348 Allegra	6.3	17.44	6.91	393	0.6	35°27'51'' 54°23'06''	319	0.0 2.8	TYC 184501290	10.53	5 <sup>h</sup> 01 <sup>m</sup> 36.754 <sup>s</sup> 24°20'34.913''	20.2	76	161.6	-28.6	36.4	0.2	78.9	90	
2005/11/20 16:47:08	50655 2000 EL94	6.9	17.99	6.09	304	0.4	42°00'24'' 49°34'57''	140	0.2 1.8	UCAC2 29022020	11.90	21 <sup>h</sup> 54 <sup>m</sup> 34.510 <sup>s</sup> -8°15'15.645''	27.3	205	89.5	-30.6	144.1	1.5	78.8	152	
2005/11/20 19:29:11	8451 Gaidai	6.3	16.85	5.58	178	0.6	39°54'00'' 50°07'12''	165	0.2 3.2	UCAC2 42881339	11.28	3 <sup>h</sup> 34 <sup>m</sup> 26.801 <sup>s</sup> 31°52'10.601''	64.6	132	167.6	-52.8	55.3	22.6	77.9	78	
2005/11/20 20:18:02	6288 1984 ER1	11.5	16.04	2.27	39	1.2	39°05'09'' 52°00'13''	346	4.9 5.4	UCAC2 38385420	13.91	4 <sup>h</sup> 52 <sup>m</sup> 05.344 <sup>s</sup> 18°55'23.707''	50.2	134	164.2	-56.8	41.8	29.7	77.7	85	
2005/11/21 00:48:13	13927 Grundy	5.0	16.75	5.34	384	0.5	41°41'04'' 54°46'38''	26	0.0 2.6	TYC 234000372	11.42	3 <sup>h</sup> 10 <sup>m</sup> 49.309 <sup>s</sup> 31°28'35.750''	40.1	272	165.9	-37.1	63.0	63.2	76.1	77	
2005/11/21 01:18:00	41154 1999 VO151	5.5	19.23	8.13	82	0.5	38°58'37'' 50°56'22''	192	1.1 1.2	TYC 186301255	11.10	5 <sup>h</sup> 55 <sup>m</sup> 24.027 <sup>s</sup> 23°28'57.107''	53.8	231	149.8	-32.5	28.9	64.0	75.9	178	
2005/11/21 02:38:05	481 Emita	116.0	11.88	0.26	236	15.1	36°26'06'' 50°28'09''	235	0.0 97.1	UCAC2 40819911	13.31	5 <sup>h</sup> 45 <sup>m</sup> 14.902 <sup>s</sup> 25°44'30.480''	42.9	257	152.0	-20.1	31.5	60.7	75.5	27	
2005/11/21 03:42:44	26073 5168 T-3	5.0	19.92	8.22	108	0.1	40°10'49'' 52°25'51''	38	1.1 1.9	HIP 66643	11.70	13 <sup>h</sup> 39 <sup>m</sup> 37.465 <sup>s</sup> -1°35'43.819''	22.4	124	36.0	-10.3	84.3	53.6	75.1	108	
2005/11/21 03:43:36	3286 Ana-toliya	9.1	17.85	7.24	79	0.3	39°03'33'' 50°57'26''	188	2.7 3.7	TYC 86000619	10.61	11 <sup>h</sup> 36 <sup>m</sup> 07.381 <sup>s</sup> 11°24'27.998''	47.2	153	69.1	-10.2	51.0	53.5	75.1	99	
2005/11/21 13:54:15	7596 Yumi	16.6	16.66	3.90	224	2.0	36°24'28'' 50°41'35''	241	1.7 3.5	UCAC2 28653668	12.79	23 <sup>h</sup> 38 <sup>m</sup> 20.049 <sup>s</sup> -9°20'19.217''	17.4	132	111.9	-4.6	132.6	-14.6	71.6	191	
2005/11/21 14:03:36	880 Herba	36.0	16.72	5.38	318	0.9	41°21'45'' 49°09'05''	152	0.5 11.3	TYC 627000041	11.35	18 <sup>h</sup> 26 <sup>m</sup> 44.108 <sup>s</sup> -17°42'27.416''	14.6	213	37.5	-5.9	150.7	-14.5	71.5	126	
2005/11/21 14:50:54	1089 Tama	12.9	16.78	3.96	333	0.3	42°35'39'' 49°34'30''	135	0.1 4.5	UCAC2 21621476	12.85	18 <sup>h</sup> 25 <sup>m</sup> 10.344 <sup>s</sup> -25°05'33.943''	3.2	221	36.4	-12.8	151.3	-13.6	71.2	115	
2005/11/21 15:34:17	56880 2000 QSI20	6.3	19.22	11.30	176	0.3	40°37'06'' 50°20'49''	147	0.8 1.1	HIP 107539	7.92	21 <sup>h</sup> 46 <sup>m</sup> 51.768 <sup>s</sup> -8°28'13.122''	29.7	188	86.7	-19.4	156.6	-11.6	71.0	228	
2005/11/21 15:47:43	15802 1994 AT2	5.8	18.99	9.05	241	0.2	37°14'36'' 53°27'48''	326	0.4 1.5	TYC 577800713	9.94	20 <sup>h</sup> 58 <sup>m</sup> 08.030 <sup>s</sup> -12°25'23.222''	23.2	204	74.1	-21.5	167.3	-10.8	70.9	151	

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 12		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/21 16:23:44	9875 FH25	6.6	18.57	6.68	117	0.2	39°59'19" 50°43'53"	153	1.4	TYC 630100491	11.89	19 <sup>h</sup> 26 <sup>m</sup> 22.936 <sup>s</sup> -18°02'00.049"	5.9	231	51.2	-27.1	163.2	-8.1	70.7	121
2005/11/21 16:49:29	54617 RS98	6.3	18.20	6.69	126	0.4	37°45'19" 52°21'16"	307	1.2	UCAC2 42190033	11.51	4 <sup>h</sup> 16 <sup>m</sup> 01.844 <sup>s</sup> 29°57'05.082"	34.2	83	168.2	-31.1	57.5	-5.8	70.5	158
2005/11/21 20:26:51	2033 Basilea	7.6	16.25	4.30	392	3.8	43°46'40" 49°38'43"	126	0.0	TYC 245800063	11.97	7 <sup>h</sup> 45 <sup>m</sup> 27.933 <sup>s</sup> 32°22'44.265"	37.2	83	126.3	-57.5	16.0	21.5	69.0	72
2005/11/21 23:42:18	2224 Tucson	20.0	15.96	2.51	316	3.4	38°09'24" 48°54'34"	193	0.0	UCAC2 40672189	13.56	6 <sup>h</sup> 54 <sup>m</sup> 46.236 <sup>s</sup> 25°06'03.415"	63.0	164	137.3	-46.7	26.3	49.6	68.0	73
2005/11/22 01:12:39	20227 1997 WS35	6.3	17.27	5.69	266	0.5	37°52'06" 49°26'08"	201	0.0	TYC 181600859	11.58	4 <sup>h</sup> 23 <sup>m</sup> 28.241 <sup>s</sup> 23°24'49.322"	41.2	255	171.6	-33.6	61.4	58.7	67.4	84
2005/11/22 01:23:26	137 Meliboea	145.4	14.58	2.26	356	4.5	41°00'49" 54°40'26"	20	0.0	UCAC2 29101785	12.46	12 <sup>h</sup> 13 <sup>m</sup> 18.160 <sup>s</sup> -7°49'42.491"	10.5	117	53.8	-31.9	57.5	59.3	67.4	50
2005/11/22 01:42:46	4528 Berg	11.5	17.32	4.18	312	0.3	37°59'33" 48°58'33"	196	0.0	UCAC2 31012646	13.17	12 <sup>h</sup> 27 <sup>m</sup> 00.691 <sup>s</sup> -2°09'43.904"	16.0	115	52.7	-28.9	57.4	60.2	67.2	92
2005/11/22 03:11:06	4402 Tsunemori	12.6	16.96	3.64	241	4.4	41°29'46" 50°02'51"	139	0.3	UCAC2 35741796	13.36	7 <sup>h</sup> 38 <sup>m</sup> 20.199 <sup>s</sup> 11°23'16.465"	41.6	226	124.8	-15.3	21.7	58.6	66.5	100
2005/11/22 03:40:55	9155 Verkhotinov	10.0	17.91	4.65	56	3.8	38°33'24" 51°22'51"	235	3.7	UCAC2 40343260	13.28	7 <sup>h</sup> 41 <sup>m</sup> 51.349 <sup>s</sup> 24°18'09.170"	49.1	244	126.7	-10.8	17.6	56.2	66.5	87
2005/11/22 03:41:27	93743 2000 VX56	5.0	19.15	8.46	27	0.4	38°52'48" 51°32'57"	241	1.1	TYC 23101047	10.69	9 <sup>h</sup> 25 <sup>m</sup> 36.802 <sup>s</sup> 3°41'57.909"	40.7	199	97.2	-10.7	19.4	56.1	66.5	188
2005/11/22 03:50:28	33785 1999 RD192	6.9	18.79	6.97	58	0.5	39°20'44" 52°10'42"	9	2.6	UCAC2 37895857	11.82	9 <sup>h</sup> 49 <sup>m</sup> 07.092 <sup>s</sup> 17°03'09.350"	54.6	198	96.2	-9.4	12.9	55.2	66.5	82
2005/11/22 04:16:39	17583 1994 WV2	8.3	18.20	7.62	268	0.7	36°24'54" 50°01'38"	227	0.0	TYC 82800332	10.58	9 <sup>h</sup> 48 <sup>m</sup> 02.894 <sup>s</sup> 9°59'00.365"	46.1	205	94.1	-5.7	16.7	52.4	66.3	70
2005/11/22 04:51:12	1763 Williams	10.0	14.90	1.68	302	1.0	42°17'11" 53°37'56"	44	0.0	UCAC2 41665784	13.48	4 <sup>h</sup> 20 <sup>m</sup> 40.037 <sup>s</sup> 28°28'24.450"	11.8	301	169.2	-1.0	62.8	48.1	66.0	59
2005/11/22 13:39:58	947 Mon-terosa	26.9	15.24	2.25	131	0.7	38°06'30" 52°37'32"	324	4.8	UCAC2 20495512	13.14	18 <sup>h</sup> 52 <sup>m</sup> 05.430 <sup>s</sup> -27°52'25.790"	8.1	200	41.5	-2.8	146.0	-17.3	62.8	113
2005/11/22 14:24:41	750 Oskar	20.6	17.75	4.52	351	0.5	42°21'02" 49°13'24"	141	0.0	UCAC2 21637804	13.25	18 <sup>h</sup> 54 <sup>m</sup> 05.502 <sup>s</sup> -25°10'31.759"	7.8	210	42.0	-9.1	146.3	-18.4	62.5	108
2005/11/22 22:43:51	5656 Oldfield	6.3	16.14	4.31	36	0.7	39°05'26" 51°58'31"	346	4.3	UCAC2 38917985	11.85	3 <sup>h</sup> 27 <sup>m</sup> 44.932 <sup>s</sup> 20°20'43.832"	51.0	228	173.8	-53.7	85.3	32.0	59.3	35
2005/11/22 23:11:51	62667 2000 TC	5.8	18.96	8.05	36	0.3	38°48'13" 51°51'44"	308	1.4	TYC 491500193	10.91	10 <sup>h</sup> 32 <sup>m</sup> 20.333 <sup>s</sup> -2°45'57.860"	10.7	109	80.1	-50.7	25.4	36.1	59.1	163
2005/11/23 01:26:33	6422 Akagi	15.1	16.41	4.08	332	1.7	39°51'27" 54°37'24"	8	0.0	UCAC2 35173528	12.36	6 <sup>h</sup> 27 <sup>m</sup> 08.156 <sup>s</sup> 9°35'33.633"	43.0	216	141.7	-31.6	47.6	52.3	58.2	85
2005/11/23 01:48:26	18733 1998 KV31	6.0	18.20	6.75	97	0.5	40°12'05" 52°17'27"	44	1.5	TYC 187000531	11.45	5 <sup>h</sup> 50 <sup>m</sup> 26.248 <sup>s</sup> 27°06'08.171"	50.9	247	152.7	-28.2	53.6	54.0	58.1	108
2005/11/23 02:34:47	13919 1984 SO4	7.6	16.27	5.63	142	0.9	38°34'31" 50°27'09"	198	0.5	UCAC2 41504413	10.64	5 <sup>h</sup> 40 <sup>m</sup> 40.842 <sup>s</sup> 27°47'18.235"	43.0	261	154.7	-21.0	56.2	56.2	57.8	67

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 13		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/23 03:31:45	5332 1990 DA	5.5	15.76	4.48	257	0.3	38°09'48'' 53°52'44''	344	0.2	TYC 604901295	11.29	9 <sup>h</sup> 58 <sup>m</sup> 14.383 <sup>s</sup> −18°32'16.986''	19.8	185	82.9	-12.4	36.5	55.6	57.4	125
2005/11/23 04:43:29	77576 2001 KSI1	5.8	19.58	7.61	371	0.2	40°10'58'' 54°56'45''	10	0.3	UCAC2 36475914	11.97	12 <sup>h</sup> 25 <sup>m</sup> 00.752 <sup>s</sup> 13°26'23.659''	50.4	159	61.7	-2.2	38.2	50.4	57.0	228
2005/11/23 14:42:40	3177 Chilli-cothe	13.8	16.36	5.61	292	1.2	43°23'51'' 52°10'22''	79	1.0	TYC 583200977	10.75	23 <sup>h</sup> 29 <sup>m</sup> 45.652 <sup>s</sup> −12°14'57.145''	21.2	149	106.7	-11.9	159.3	-22.5	53.1	212
2005/11/23 14:45:37	6231 Hundertwasser	6.9	18.76	8.01	114	0.2	40°00'59'' 50°46'27''	151	1.5	TYC 628701346	10.75	19 <sup>h</sup> 11 <sup>m</sup> 04.395 <sup>s</sup> −17°30'23.444''	14.3	215	45.8	-12.3	138.2	-22.6	53.1	118
2005/11/23 15:13:17	7808 1976 GL8	11.0	17.35	4.04	176	0.3	40°51'58'' 50°27'52''	140	1.3	UCAC2 24723952	13.33	19 <sup>h</sup> 28 <sup>m</sup> 13.169 <sup>s</sup> −18°33'40.973''	12.4	217	49.6	-16.5	142.1	-23.1	52.9	124
2005/11/23 15:35:37	8934 Nishimurajun	11.0	18.55	5.86	253	0.3	36°33'04'' 53°15'17''	314	0.9	UCAC2 22353156	12.69	20 <sup>h</sup> 00 <sup>m</sup> 35.293 <sup>s</sup> −23°55'40.916''	8.3	213	56.1	-19.9	149.0	-23.1	52.7	174
2005/11/23 15:55:50	51992 2001 TX37	6.9	15.92	4.66	296	0.7	41°10'57'' 49°18'47''	153	0.2	UCAC2 41319671	11.27	3 <sup>h</sup> 57 <sup>m</sup> 30.013 <sup>s</sup> 27°02'37.448''	27.9	81	173.3	-23.0	85.3	-22.8	52.6	135
2005/11/23 16:55:51	6288 1984 ER1	11.5	15.96	3.77	282	1.2	41°16'21'' 49°29'20''	150	0.0	UCAC2 38385115	12.22	4 <sup>h</sup> 49 <sup>m</sup> 49.912 <sup>s</sup> 18°50'47.670''	23.0	88	167.5	-32.3	75.9	-20.3	52.2	84
2005/11/23 18:07:41	19049 1105 T-1	6.9	17.25	5.39	36	1.1	39°30'58'' 51°24'14''	145	3.1	UCAC2 36435544	11.87	6 <sup>h</sup> 27 <sup>m</sup> 10.725 <sup>s</sup> 13°21'27.740''	14.9	87	143.6	-43.1	54.4	-14.7	51.8	82
2005/11/23 21:00:39	2308 Schilt	17.6	16.12	3.30	37	1.2	39°17'31'' 51°59'41''	8	6.8	UCAC2 43752330	12.87	4 <sup>h</sup> 39 <sup>m</sup> 35.452 <sup>s</sup> 34°27'34.231''	70.8	147	163.2	-59.0	77.5	6.8	50.6	96
2005/11/23 21:48:49	15935 1997 YT	5.2	17.79	6.53	262	0.5	40°06'40'' 49°22'60''	166	0.3	TYC 122600697	11.26	2 <sup>h</sup> 40 <sup>m</sup> 28.282 <sup>s</sup> 19°53'36.854''	51.1	227	161.8	-58.1	107.3	13.9	50.3	161
2005/11/23 23:54:48	32164 2000 NW4	6.9	17.40	6.51	273	0.8	40°22'55'' 54°00'51''	17	0.2	TYC 74001201	10.89	6 <sup>h</sup> 25 <sup>m</sup> 42.656 <sup>s</sup> 12°07'38.620''	50.5	187	143.8	-45.4	57.6	32.3	49.5	125
2005/11/24 13:24:41	5528 1992 AJ	21.9	17.10	4.47	304	0.5	39°21'54'' 54°23'34''	2	0.6	UCAC2 27688988	12.65	17 <sup>h</sup> 03 <sup>m</sup> 32.404 <sup>s</sup> −11°32'24.202''	14.5	229	17.5	-1.0	96.1	-19.7	44.2	143
2005/11/24 14:15:24	29146 2000 McHone	6.0	17.71	8.01	177	0.5	41°44'18'' 51°23'18''	100	0.6	TYC 368701623	9.70	2 <sup>h</sup> 27 <sup>m</sup> 33.962 <sup>s</sup> 53°34'41.606''	43.9	54	142.4	-8.0	100.9	-24.2	43.9	114
2005/11/24 14:15:41	21152 1993 MB1	10.0	17.44	4.59	377	0.2	36°37'27'' 54°40'25''	332	0.0	UCAC2 25357517	12.87	17 <sup>h</sup> 37 <sup>m</sup> 07.050 <sup>s</sup> −17°20'14.376''	7.4	230	22.9	-8.0	104.5	-24.2	43.8	92
2005/11/24 14:19:53	1086 Nata	66.3	15.61	3.40	261	2.1	36°19'15'' 53°12'41''	311	4.4	UCAC2 23999879	12.26	20 <sup>h</sup> 03 <sup>m</sup> 09.161 <sup>s</sup> −20°29'46.382''	16.4	197	56.3	-8.6	139.0	-24.5	43.8	159
2005/11/24 14:42:38	11736 1998 QSI	5.5	19.41	7.47	60	0.2	39°41'41'' 51°13'09''	146	1.5	UCAC2 23026015	11.94	20 <sup>h</sup> 21 <sup>m</sup> 41.927 <sup>s</sup> −22°16'02.852''	14.5	197	60.2	-12.0	142.7	-25.9	43.7	134
2005/11/24 14:55:27	2903 Zhuhai	13.2	17.25	3.51	270	0.6	39°11'34'' 49°14'18''	180	0.6	UCAC2 31605431	13.78	21 <sup>h</sup> 28 <sup>m</sup> 02.418 <sup>s</sup> 0° − 46'04.699''	37.6	186	82.0	-13.9	157.5	-26.6	43.6	144
2005/11/24 14:57:07	604 Tekmessa	65.2	12.84	1.02	324	7.3	42°34'38'' 49°41'04''	134	0.0	UCAC2 42022301	12.35	5 <sup>h</sup> 18 <sup>m</sup> 39.313 <sup>s</sup> 29°18'17.988''	10.1	55	160.4	-14.1	78.7	-26.7	43.6	26
2005/11/24 15:21:17	0 1999 RGI12	6.8	17.60	5.49	21	0.7	39°22'49'' 51°49'37''	32	1.2	TYC 172300132	12.12	23 <sup>h</sup> 28 <sup>m</sup> 22.127 <sup>s</sup> 17°48'48.060''	53.2	149	116.0	-17.8	150.4	-27.7	43.4	230

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.				Table 1		Page 14		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star				Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2005/11/24 17:16:52	19705 TR10	7.6	17.87	5.97	134	0.8	38°06'26'' 52°39'35''	325	1.4	UCAC2 44642026	11.91	6 <sup>h</sup> 10 <sup>m</sup> 37.594 <sup>s</sup> 36°38'20.923''	27.6	65	147.7	-35.7	68.8	-26.6	42.7	135	
2005/11/24 19:39:19	50655 EL94	6.9	18.05	6.90	273	0.3	37°15'36'' 53°48'25''	330	0.4	TYC 580200194	11.15	21 <sup>h</sup> 59 <sup>m</sup> 15.593 <sup>s</sup> -7°38'39.429''	7.2	248	86.7	-54.5	165.3	-13.9	41.7	156	
2005/11/24 20:11:36	5553 Chodas	8.3	16.79	5.08	281	0.8	37°19'34'' 53°55'03''	333	0.0	TYC 11000414	11.72	5 <sup>h</sup> 02 <sup>m</sup> 34.300 <sup>s</sup> 7°19'41.687''	39.6	141	160.2	-57.2	88.1	-9.9	41.5	76	
2005/11/24 21:36:42	19213 FF21	6.3	17.55	6.63	73	0.8	39°05'27'' 52°18'51''	353	1.6	TYC 187201641	10.92	6 <sup>h</sup> 06 <sup>m</sup> 26.375 <sup>s</sup> 28°06'30.118''	60.5	133	150.9	-58.8	71.6	1.9	41.0	138	
2005/11/24 22:27:35	5403 Takachiho	17.4	17.04	5.85	370	0.6	41°02'17'' 54°48'15''	20	0.0	TYC 857000898	11.19	11 <sup>h</sup> 37 <sup>m</sup> 41.617 <sup>s</sup> 7°35'20.828''	3.3	82	70.9	-55.7	8.5	9.4	40.6	107	
2005/11/24 23:46:20	4483 Petofo	13.8	14.34	3.17	157	1.5	41°09'18'' 50°56'52''	121	0.3	TYC 646601909	11.23	4 <sup>h</sup> 59 <sup>m</sup> 04.958 <sup>s</sup> -24°40'32.146''	10.7	203	132.5	-46.7	95.1	21.0	40.1	61	
2005/11/25 02:11:35	15060 AD	5.0	17.16	5.81	299	3.0	42°18'25'' 49°49'24''	134	0.0	TYC 134700748	11.35	7 <sup>h</sup> 25 <sup>m</sup> 08.987 <sup>s</sup> 16°00'53.317''	49.4	218	132.1	-25.0	55.8	39.4	38.9	55	
2005/11/25 02:13:32	6208 Wakata	5.5	16.88	5.28	27	1.9	39°16'17'' 51°54'22''	8	3.7	TYC 189300507	11.60	6 <sup>h</sup> 49 <sup>m</sup> 44.298 <sup>s</sup> 22°35'04.748''	50.9	235	141.4	-24.7	64.2	39.5	39.1	51	
2005/11/25 02:30:40	1035 Amata	50.7	16.85	6.18	91	1.4	40°28'32'' 51°55'18''	72	13.0	TYC 553601138	10.67	13 <sup>h</sup> 06 <sup>m</sup> 05.100 <sup>s</sup> -8°32'38.205''	13.4	123	44.4	-22.1	33.0	41.1	39.0	109	
2005/11/25 02:44:07	14394 SP15	15.8	17.65	4.31	327	0.4	38°15'29'' 48°47'34''	192	0.2	UCAC2 28381491	13.36	13 <sup>h</sup> 50 <sup>m</sup> 22.750 <sup>s</sup> -9°56'46.895''	8.1	117	33.7	-20.0	43.4	42.2	39.0	135	
2005/11/25 03:14:16	2692 Chkalov	11.5	16.10	2.33	363	1.4	39°22'31'' 48°24'19''	178	0.0	UCAC2 37859571	13.90	6 <sup>h</sup> 15 <sup>m</sup> 33.040 <sup>s</sup> 17°06'15.214''	33.1	255	148.6	-15.4	72.7	44.2	38.7	40	
2005/11/25 13:41:19	4600 RE4	18.2	17.01	3.34	255	0.4	40°52'53'' 49°37'48''	153	0.9	UCAC2 24919112	13.72	18 <sup>h</sup> 18 <sup>m</sup> 20.244 <sup>s</sup> -18°28'02.196''	13.8	214	31.4	-3.4	102.9	-22.3	34.8	136	
2005/11/25 13:56:43	1678 Hveen	39.9	17.41	5.22	359	1.1	42°53'21'' 49°26'11''	134	1.7	UCAC2 19786012	12.20	19 <sup>h</sup> 20 <sup>m</sup> 38.247 <sup>s</sup> -29°05'50.387''	6.9	200	44.8	-5.5	116.3	-24.0	34.7	204	
2005/11/25 13:58:08	41960 XR30	5.5	17.47	6.03	202	0.5	41°52'21'' 50°55'29''	114	0.6	UCAC2 43921961	11.44	4 <sup>h</sup> 14 <sup>m</sup> 22.744 <sup>s</sup> 34°33'35.994''	15.5	53	166.0	-5.7	102.6	-24.2	34.7	177	
2005/11/25 14:54:02	8474 Rettig	5.5	18.30	7.75	31	0.1	39°26'27'' 51°25'20''	150	2.8	TYC 631000654	10.55	19 <sup>h</sup> 30 <sup>m</sup> 05.199 <sup>s</sup> -21°52'17.211''	10.5	213	47.4	-13.8	119.0	-29.5	34.3	70	
2005/11/25 17:02:04	8498 Ufa	11.5	17.77	4.27	404	0.5	35°24'10'' 54°28'51''	320	0.2	UCAC2 26129013	13.53	21 <sup>h</sup> 25 <sup>m</sup> 12.688 <sup>s</sup> -15°53'19.948''	14.8	218	75.2	-33.5	145.8	-34.0	33.5	187	
2005/11/25 17:12:59	481 Emita	116.0	11.76	0.23	36	13.7	39°04'20'' 51°58'15''	344	80.4	UCAC2 40986137	13.33	5 <sup>h</sup> 41 <sup>m</sup> 39.202 <sup>s</sup> 26°08'47.394''	24.3	78	157.4	-35.2	86.9	-33.8	33.5	26	
2005/11/25 20:12:29	3310 Patsy	27.1	15.57	3.26	146	2.3	39°02'01'' 52°58'30''	355	3.4	UCAC2 37850934	12.36	5 <sup>h</sup> 42 <sup>m</sup> 00.471 <sup>s</sup> 17°14'43.425''	44.4	124	157.1	-57.4	89.0	-19.6	32.3	94	
2005/11/26 03:25:57	27109 VV32	12.6	17.95	6.27	128	0.3	37°35'25'' 51°07'55''	242	2.2	TYC 501000746	11.68	15 <sup>h</sup> 16 <sup>m</sup> 10.128 <sup>s</sup> -5°30'49.973''	6.0	107	19.8	-13.8	50.7	36.8	29.6	182	
2005/11/26 03:36:27	2832 Lada	10.0	16.88	3.44	389	0.9	42°26'45'' 54°34'10''	35	0.0	UCAC2 35753354	13.49	9 <sup>h</sup> 24 <sup>m</sup> 26.112 <sup>s</sup> 11°11'53.776''	47.3	206	104.0	-12.3	38.6	37.5	29.5	48	

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.				Table 1		Page 15		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star				Sun		Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2005/11/26 04:12:43	36198 1999 TF92	7.9	17.37	6.32	59	0.6	38°41'58'' 51°14'52''	218	2.5	TYC 184200926	11.05	4 <sup>h</sup> 39 <sup>m</sup> 16.830 <sup>s</sup> 28°57'22.178''	17.8	294	169.2	-7.0	106.0	39.3	29.3	112	
2005/11/26 14:56:56	2052 Tamriko	30.4	16.59	2.84	283	0.8	41°04'38'' 49°25'03''	153	2.0	UCAC2 26551205	13.83	19 <sup>h</sup> 04 <sup>m</sup> 55.885 <sup>s</sup> -14°45'23.436''	14.0	223	42.0	-14.3	101.6	-31.5	25.4	182	
2005/11/26 16:18:14	2583 Fatyanov	18.8	16.60	2.95	55	0.8	39°48'21'' 51°20'07''	132	5.5	UCAC2 25903824	13.73	22 <sup>h</sup> 19 <sup>m</sup> 17.525 <sup>s</sup> -16°14'11.146''	21.0	195	86.3	-26.8	145.8	-38.2	24.9	123	
2005/11/26 19:29:18	32376 2000 QP169	8.3	17.17	6.50	19	0.6	39°19'11'' 51°30'04''	159	2.7	TYC 288702593	10.67	4 <sup>h</sup> 27 <sup>m</sup> 40.935 <sup>s</sup> 42°38'32.545''	68.3	103	158.0	-53.8	112.3	-34.0	23.8	123	
2005/11/26 20:39:23	25890 Louis-burg	7.2	17.09	5.50	366	1.4	33°59'16'' 52°20'34''	282	0.0	TYC 134800496	11.59	7 <sup>h</sup> 02 <sup>m</sup> 49.309 <sup>s</sup> 17°31'43.239''	37.7	111	139.3	-59.0	82.0	-26.4	23.4	97	
2005/11/26 21:51:39	5714 Krasin-sky	13.2	16.21	2.38	178	1.4	38°54'04'' 53°15'13''	353	0.7	UCAC2 40483854	13.95	5 <sup>h</sup> 55 <sup>m</sup> 30.658 <sup>s</sup> 24°40'19.342''	60.7	150	155.7	-58.5	98.5	-16.8	23.0	86	
2005/11/26 21:58:04	49675 1999 SW27	6.0	16.04	4.20	344	0.9	34°26'55'' 50°52'12''	255	0.0	TYC 135901717	11.86	7 <sup>h</sup> 26 <sup>m</sup> 44.904 <sup>s</sup> 22°29'02.039''	49.4	122	134.7	-58.2	77.7	-15.9	22.9	51	
2005/11/27 02:19:20	453 Tea	20.2	13.83	0.87	143	1.9	40°26'31'' 52°42'09''	36	0.0	UCAC2 42720373	13.60	5 <sup>h</sup> 18 <sup>m</sup> 23.605 <sup>s</sup> 31°21'12.382''	42.0	269	161.9	-24.2	108.6	21.0	21.4	41	
2005/11/27 02:43:40	7778 Markrobinson	10.5	16.23	5.11	272	0.8	38°12'44'' 54°01'39''	345	0.0	TYC 12400395	11.13	5 <sup>h</sup> 51 <sup>m</sup> 25.736 <sup>s</sup> 5°35'48.425''	23.7	248	151.3	-20.4	101.8	23.8	21.3	47	
2005/11/27 03:19:06	657 Gumlod	42.5	15.97	3.49	287	0.9	41°54'20'' 49°43'37''	139	0.0	UCAC2 23879224	12.53	14 <sup>h</sup> 01 <sup>m</sup> 56.319 <sup>s</sup> -20°27'37.451''	3.3	129	30.3	-15.0	26.3	27.3	21.1	48	
2005/11/27 04:01:26	8314 Tsuji	7.9	18.78	7.03	273	0.2	37°51'17'' 49°22'26''	200	0.1	TYC 555600724	11.76	13 <sup>h</sup> 50 <sup>m</sup> 10.573 <sup>s</sup> -10°40'28.365''	18.1	136	35.5	-8.8	18.7	30.7	20.9	105	
2005/11/27 13:52:30	8181 Rossini	10.5	17.91	6.91	220	0.4	40°48'22'' 49°57'32''	150	0.8	UCAC2 27008964	11.00	20 <sup>h</sup> 50 <sup>m</sup> 37.405 <sup>s</sup> -13°50'13.186''	24.6	181	65.9	-5.1	115.4	-23.2	17.6	130	
2005/11/27 14:09:57	2513 Baetsle	16.7	17.53	4.86	56	0.5	39°47'46'' 51°18'30''	135	4.8	UCAC2 27211294	12.68	21 <sup>h</sup> 07 <sup>m</sup> 29.492 <sup>s</sup> -13°21'48.328''	25.1	182	70.0	-7.5	119.3	-25.7	17.6	124	
2005/11/27 15:40:08	1626 Sadeya	26.3	15.60	2.88	174	0.8	38°02'05'' 53°03'02''	332	3.1	UCAC2 29550663	12.80	19 <sup>h</sup> 52 <sup>m</sup> 05.022 <sup>s</sup> -6°32'25.481''	21.3	226	54.6	-21.0	101.8	-37.2	17.1	122	
2005/11/27 15:51:12	28749 2000 GP161	5.5	16.86	5.05	400	0.9	39°32'35'' 48°04'46''	177	0.0	UCAC2 32646282	11.83	2 <sup>h</sup> 48 <sup>m</sup> 08.692 <sup>s</sup> 2°54'20.619''	21.5	114	152.2	-22.7	153.0	-38.4	17.1	120	
2005/11/27 17:24:50	6208 Wakata	5.5	16.80	7.73	72	1.5	39°47'47'' 51°07'22''	146	1.5	TYC 189300117	9.07	6 <sup>h</sup> 48 <sup>m</sup> 39.867 <sup>s</sup> 22°34'39.784''	14.5	72	144.3	-37.2	96.3	-45.3	16.6	50	
2005/11/27 23:44:00	39214 2000 XG42	6.0	17.00	4.88	153	0.7	40°15'53'' 52°52'59''	28	0.9	TYC 285202272	12.13	3 <sup>h</sup> 16 <sup>m</sup> 59.833 <sup>s</sup> 40°00'42.540''	52.3	273	157.4	-47.6	138.9	-11.2	14.6	178	
2005/11/28 00:50:37	1268 Libya	94.1	14.61	1.33	9	9.3	39°15'33'' 51°44'16''	19	44.8	UCAC2 42037685	13.66	6 <sup>h</sup> 20 <sup>m</sup> 33.322 <sup>s</sup> 29°13'17.598''	61.6	227	150.7	-38.1	107.1	-1.4	14.2	79	
2005/11/28 00:52:36	5333 Kanaya	7.9	16.70	8.83	107	0.8	37°55'53'' 51°07'55''	236	0.7	HIP 42648	7.87	8 <sup>h</sup> 41 <sup>m</sup> 29.224 <sup>s</sup> 2°36'31.424''	40.3	166	112.9	-37.8	70.1	-1.2	14.2	52	
2005/11/28 01:26:38	34454 2000 SB86	5.5	18.10	6.87	223	0.4	37°38'24'' 49°55'38''	209	0.2	TYC 185600263	11.23	5 <sup>h</sup> 34 <sup>m</sup> 07.000 <sup>s</sup> 26°49'53.164''	48.7	251	161.3	-32.6	117.7	3.7	14.1	98	



Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.				Table 1		Page 16		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2005/11/28 01:29:12	3641 Williams Bay	31.5	16.14	3.46	142	2.3	37°40'18'' 50°49'58''	229	5.2 10.6	UCAC2 45960643	12.72	5 <sup>h</sup> 38 <sup>m</sup> 01.971 <sup>s</sup> 40°47'18.577''	58.3	268	153.8	-32.2	115.2	4.0	14.1	118	
2005/11/28 03:09:19	2834 Christy Carol	13.2	15.35	4.23	120	3.8	38°17'23'' 52°34'42''	328	0.5 10.9	TYC 77000758	11.15	7 <sup>h</sup> 16 <sup>m</sup> 23.442 <sup>s</sup> 13°05'00.732''	37.6	239	136.3	-16.7	93.9	16.6	13.5	48	
2005/11/28 14:49:11	20714 1999 XS36	8.7	17.54	5.62	252	0.9	36°11'40'' 52°58'05''	305	0.6 2.3	TYC 292601139	11.93	6 <sup>h</sup> 15 <sup>m</sup> 31.995 <sup>s</sup> 38°16'23.732''	12.0	41	149.6	-13.3	115.2	-29.9	10.4	150	
2005/11/28 14:54:15	1547 Nele	23.4	13.28	0.56	348	3.2	44°03'44'' 52°37'16''	72	0.0 17.0	UCAC2 43390238	13.72	2 <sup>h</sup> 19 <sup>m</sup> 27.801 <sup>s</sup> 33°19'55.827''	40.9	86	151.2	-14.1	157.7	-30.6	10.3	55	
2005/11/28 18:23:40	7564 1988 CA	12.0	15.78	3.03	197	1.1	38°16'57'' 53°20'36''	341	0.4 5.6	UCAC2 33170483	12.82	4 <sup>h</sup> 38 <sup>m</sup> 31.689 <sup>s</sup> 4°29'32.029''	29.1	124	162.4	-45.9	138.2	-51.6	9.4	85	
2005/11/28 18:39:41	7213 1967 KB	6.0	18.39	8.79	177	0.5	40°26'15'' 50°16'02''	152	0.5 2.4	TYC 188501024	9.60	6 <sup>h</sup> 12 <sup>m</sup> 43.343 <sup>s</sup> 27°42'47.696''	35.9	89	153.4	-48.0	118.2	-51.9	9.4	99	
2005/11/28 19:01:43	38241 1999 PU1	5.2	18.10	8.49	321	0.5	36°55'19'' 54°11'50''	331	0.3 1.0	TYC 234501366	9.61	3 <sup>h</sup> 18 <sup>m</sup> 03.996 <sup>s</sup> 32°55'14.900''	67.7	140	162.2	-50.9	152.6	-51.9	9.3	204	
2005/11/28 20:22:21	38948 2000 ST292	5.2	18.08	6.96	157	0.8	40°04'14'' 50°21'43''	158	0.8 1.5	TYC 244000422	11.12	6 <sup>h</sup> 50 <sup>m</sup> 17.885 <sup>s</sup> 32°11'00.596''	49.2	99	144.8	-58.5	111.2	-47.8	9.0	141	
2005/11/28 21:05:27	1503 Kuopio	18.4	15.82	2.36	202	1.5	39°16'23'' 53°28'50''	1	0.0 19.2	UCAC2 32804058	13.59	22 <sup>h</sup> 42 <sup>m</sup> 42.092 <sup>s</sup> 2°51'49.830''	6.8	266	96.5	-59.9	130.6	-43.7	8.8	38	
2005/11/28 23:16:09	8711 1994 LL	6.6	17.98	6.29	343	1.3	35°00'54'' 53°22'48''	303	0.0 3.0	UCAC2 28515867	11.70	7 <sup>h</sup> 21 <sup>m</sup> 54.697 <sup>s</sup> -9°00'01.055''	28.3	164	125.9	-51.4	97.5	-26.4	8.2	89	
2005/11/29 00:42:57	10576 1995 GF	6.3	17.09	9.51	253	0.7	40°19'56'' 53°50'02''	18	0.0 3.7	HIP 12252	7.58	2 <sup>h</sup> 37 <sup>m</sup> 45.293 <sup>s</sup> 12°16'10.625''	16.7	269	154.0	-39.4	171.9	-13.6	7.9	68	
2005/11/29 01:19:54	19721 Wray	10.0	16.85	3.45	285	0.9	42°27'60'' 53°17'30''	51	0.1 4.1	UCAC2 44286295	13.44	5 <sup>h</sup> 59 <sup>m</sup> 42.235 <sup>s</sup> 35°44'09.348''	59.3	254	154.0	-33.8	124.3	-8.3	7.7	97	
2005/11/29 02:43:46	29730 1999 BE2	6.6	15.96	4.71	263	0.5	38°06'03'' 49°24'50''	197	0.1 2.8	TYC 238001564	11.26	4 <sup>h</sup> 21 <sup>m</sup> 28.342 <sup>s</sup> 34°25'00.631''	30.5	288	167.0	-20.8	144.8	3.2	7.4	93	
2005/11/29 02:49:16	259 Aletheia	178.6	12.71	1.62	212	11.5	37°57'05'' 49°56'04''	204	0.2 96.5	TYC 127000177	11.37	4 <sup>h</sup> 32 <sup>m</sup> 24.952 <sup>s</sup> 16°59'12.854''	18.5	274	174.7	-20.0	145.8	3.9	7.4	42	
2005/11/29 03:53:00	35324 1997 ET7	7.2	18.88	7.60	62	0.5	40°01'34'' 51°54'59''	63	1.2 1.2	TYC 284402174	11.28	2 <sup>h</sup> 36 <sup>m</sup> 56.907 <sup>s</sup> 43°28'05.607''	15.8	323	149.2	-10.4	151.5	11.4	7.1	241	
2005/11/29 15:01:18	37506 3107 T-2	6.6	17.80	6.69	358	0.5	35°18'28'' 53°50'32''	312	0.1 1.9	UCAC2 42362752	11.11	4 <sup>h</sup> 07 <sup>m</sup> 58.706 <sup>s</sup> 30°11'15.305''	23.9	71	170.7	-15.2	155.6	-28.9	4.9	142	
2005/11/29 15:26:37	246 Asporina	60.1	13.84	0.92	134	1.3	40°20'30'' 52°38'43''	35	0.1 64.2	UCAC2 26956052	13.52	18 <sup>h</sup> 33 <sup>m</sup> 31.759 <sup>s</sup> -13°47'28.374''	6.0	239	32.1	-19.0	56.9	-32.8	4.8	33	
2005/11/29 15:37:26	8584 1997 AN22	12.0	17.49	5.45	28	1.4	39°12'56'' 51°24'41''	180	3.1 3.1	UCAC2 34572828	12.05	23 <sup>h</sup> 25 <sup>m</sup> 22.719 <sup>s</sup> 7°56'09.399''	45.8	167	107.5	-20.7	132.4	-34.4	4.7	154	
2005/11/29 15:56:16	17118 1999 JM58	7.6	18.92	9.10	140	0.2	39°46'40'' 50°27'34''	164	1.1 1.3	TYC 632301024	9.82	20 <sup>h</sup> 10 <sup>m</sup> 05.156 <sup>s</sup> -19°38'28.391''	8.9	222	53.0	-23.6	77.8	-37.1	4.7	239	
2005/11/29 17:39:13	57359 Robcrw-ford	9.1	15.96	8.68	75	0.9	39°38'09'' 51°02'44''	157	2.4 2.9	HIP 14742	7.28	3 <sup>h</sup> 10 <sup>m</sup> 20.591 <sup>s</sup> 45°56'25.475''	66.6	90	151.4	-39.5	151.8	-50.5	4.4	128	

Longitude = 39.217(39°13'2.4'') Latitude = 51.664(51°39'50.0'')										Sorted by date/time.			Table 1		Page 17		LinOccult 1.1.0 BETA			
		Asteroid			Nearest point			Star				Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2005/11/29 17:57:14	761 Brendelia	22.6	15.90	2.91	387	1.8	42°14'14" 48°46'06"	147	0.1	UCAC2 30120857	13.07	23 <sup>h</sup> 17 <sup>m</sup> 40.728 <sup>s</sup> −5°14'46.542"	28.5	212	100.7	−42.2	124.4	−52.3	4.3	125
2005/11/29 19:12:14	32436 2000 RQ97	8.7	16.64	6.82	249	0.7	41°54'23" 50°12'03"	131	0.4	TYC 334502855	9.82	5 <sup>h</sup> 10 <sup>m</sup> 52.519 <sup>s</sup> 45°09'59.419"	62.0	87	154.4	−52.2	139.8	−57.1	4.1	131
2005/11/29 20:43:02	6288 1984 ER1	11.5	15.79	4.56	62	1.1	38°56'36" 52°11'35"	342	4.2	TYC 127100796	11.24	4 <sup>h</sup> 44 <sup>m</sup> 40.344 <sup>s</sup> 18°41'00.903"	55.8	159	174.3	−59.6	152.4	−55.0	3.8	84
2005/11/29 21:13:55	91163 1998 QZ82	8.7	17.68	5.77	156	0.6	38°08'22" 52°54'06"	332	1.2	UCAC2 43412479	11.92	5 <sup>h</sup> 26 <sup>m</sup> 21.325 <sup>s</sup> 33°19'09.958"	68.9	143	161.8	−60.1	142.3	−52.5	3.7	215
2005/11/29 22:19:48	62397 2000 SM170	5.8	17.80	5.99	151	0.5	38°24'45" 52°55'43"	338	0.9	TYC 65200292	11.82	3 <sup>h</sup> 20 <sup>m</sup> 38.155 <sup>s</sup> 10°05'35.362"	40.7	225	161.0	−57.3	168.4	−45.2	3.5	145
2005/11/29 22:21:33	53172 1999 CQ21	5.5	17.72	6.34	346	0.5	39°05'32" 48°33'28"	181	0.0	TYC 240901585	11.39	5 <sup>h</sup> 43 <sup>m</sup> 08.489 <sup>s</sup> 33°42'27.623"	72.2	174	158.7	−57.2	139.4	−44.9	3.6	85
2005/11/30 00:49:20	1115 Sabauda	68.8	14.38	1.11	182	3.4	38°15'55" 53°11'17"	339	0.0	UCAC2 39490825	13.76	11 <sup>h</sup> 05 <sup>m</sup> 10.175 <sup>s</sup> 21°59'09.110"	44.2	113	89.2	−38.6	70.5	−23.9	3.2	41
2005/11/30 01:19:10	14396 1990 UX4	6.6	19.18	7.38	106	0.2	39°05'53" 52°36'51"	356	1.5	TYC 28800090	11.80	12 <sup>h</sup> 24 <sup>m</sup> 27.938 <sup>s</sup> 5°28'04.079"	23.7	113	64.7	−34.1	45.6	−19.5	3.1	97
2005/11/30 01:40:21	20394 Fatou	5.8	18.17	6.54	164	0.7	38°48'18" 50°12'49"	190	0.8	TYC 188301147	11.63	6 <sup>h</sup> 33 <sup>m</sup> 18.481 <sup>s</sup> 25°40'57.662"	53.1	239	150.3	−30.8	130.7	−16.4	3.0	170
2005/11/30 02:06:52	2974 Holden	5.5	17.63	5.63	256	1.0	38°07'42" 53°52'07"	343	0.0	TYC 77600767	12.01	7 <sup>h</sup> 24 <sup>m</sup> 18.937 <sup>s</sup> 13°30'31.370"	45.5	222	136.5	−26.7	116.9	−12.7	2.9	51
2005/11/30 02:20:59	9043 1991 EJ4	12.0	17.31	4.49	352	0.9	41°40'19" 54°27'47"	29	0.0	UCAC2 41506576	12.83	5 <sup>h</sup> 50 <sup>m</sup> 37.092 <sup>s</sup> 27°52'39.642"	42.5	262	159.5	−24.5	140.7	−10.7	2.9	92
2005/11/30 14:45:28	13388 1999 AE6	10.5	18.06	7.23	354	0.2	35°36'29" 53°58'44"	316	0.1	TYC 626801042	10.83	18 <sup>h</sup> 11 <sup>m</sup> 15.967 <sup>s</sup> −17°07'09.610"	5.2	234	25.0	−12.9	38.4	−22.3	1.4	122
2005/11/30 16:46:11	3932 Edshay	12.3	16.15	2.69	311	0.9	35°16'52" 53°05'36"	300	0.2	UCAC2 46091680	13.55	3 <sup>h</sup> 24 <sup>m</sup> 21.980 <sup>s</sup> 41°22'18.400"	54.5	86	156.2	−31.4	161.3	−40.5	1.2	125
2005/11/30 21:10:11	29796 1999 CW77	7.2	17.12	5.61	200	1.1	38°27'45" 49°56'10"	195	0.3	TYC 22300277	11.51	8 <sup>h</sup> 43 <sup>m</sup> 51.318 <sup>s</sup> 6°52'34.011"	21.2	106	116.7	−60.3	106.7	−61.0	0.8	90
2005/11/30 23:36:00	1407 Lindelof	21.0	13.09	1.44	284	2.4	38°45'10" 54°12'07"	354	0.0	UCAC2 40813639	11.99	5 <sup>h</sup> 05 <sup>m</sup> 43.798 <sup>s</sup> 25°40'36.193"	57.2	228	170.6	−49.3	162.8	−45.7	0.6	66

