

## 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 1.1.1  
Author: Plekhanov Andrey andyp@newtech.ru  
Events number: 185

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 1		LinOccult 1.1.1				
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Dist	Az	Dist	Alt	Phase (%)	$\sigma_{km}$		
2007/01/01 15:31:58	24701 Elyu- Ene	10.5	17.60	4.86	96	0.8	36°27'23" 49°11'47"	173	1.6	UCAC2 38929110	12.75	5 <sup>h</sup> 25 <sup>m</sup> 08.205 <sup>s</sup> 20°20'46.922"	-16.5	160.9	91	160.9	-16.5	37.1	95.4	235	
2007/01/01 17:02:59	33770 1999 RF128	6.6	17.70	5.73	127	0.8	35°36'21" 51°06'01"	337	1.2	TYC 80500166	11.98	8 <sup>h</sup> 36 <sup>m</sup> 17.525 <sup>s</sup> 12°24'25.931"	-30.9	152.0	77	152.0	-30.9	51.0	95.6	111	
2007/01/01 19:24:56	494 Virtus	85.5	13.61	1.18	269	6.7	35°40'18" 52°25'49"	351	0.0	UCAC2 42724446	12.88	5 <sup>h</sup> 37 <sup>m</sup> 44.275 <sup>s</sup> 31°19'33.394"	-52.6	162.4	142	162.4	-52.6	67.2	96.1	29	
2007/01/02 00:06:09	6538 Mu- raviov	9.1	17.04	4.46	147	0.8	36°53'34" 51°18'48"	17	0.8	TYC 130900097	12.60	5 <sup>h</sup> 31 <sup>m</sup> 54.570 <sup>s</sup> 21°09'35.015"	-50.6	162.2	258	162.2	-50.6	7.4	40.8	96.9	78
2007/01/02 15:28:20	20820 2000 UZ3	13.8	16.53	4.94	183	1.1	35°40'34" 51°38'35"	346	1.8	TYC 12400255	11.61	5 <sup>h</sup> 49 <sup>m</sup> 52.975 <sup>s</sup> 5°25'43.207"	-15.8	157.1	96	157.1	-15.8	23.1	27.6	98.8	156
2007/01/02 18:16:27	5805 Glasgow	11.0	15.43	1.73	60	0.9	35°50'32" 50°30'18"	328	3.1	UCAC2 39646069	13.94	6 <sup>h</sup> 35 <sup>m</sup> 37.744 <sup>s</sup> 22°00'07.718"	-42.5	176.2	110	176.2	-42.5	9.0	53.2	99.0	125
2007/01/02 23:51:05	235 Carolina	57.6	13.19	1.53	258	4.2	38°15'30" 52°00'22"	33	0.0	UCAC2 42574370	11.97	7 <sup>h</sup> 32 <sup>m</sup> 42.291 <sup>s</sup> 30°37'08.776"	-52.6	168.1	230	168.1	-52.6	15.6	52.3	99.4	36
2007/01/03 02:06:30	47437 1999 XR176	5.8	16.67	5.26	10	1.1	36°18'43" 50°08'09"	10	2.2	TYC 287800769	11.42	4 <sup>h</sup> 19 <sup>m</sup> 17.982 <sup>s</sup> 38°13'00.195"	-32.0	143.8	306	143.8	-32.0	28.7	31.5	99.6	105
2007/01/03 18:39:02	28898 2000 LX10	6.9	17.39	7.83	74	0.7	36°22'12" 50°42'29"	5	1.9	HIP 40961	9.57	8 <sup>h</sup> 21 <sup>m</sup> 34.326 <sup>s</sup> -2°49'52.878"	-45.8	146.9	110	146.9	-45.8	34.7	46.9	99.8	122
2007/01/03 19:25:35	2453 Wabash	45.7	15.70	3.51	229	3.4	35°26'30" 52°02'03"	345	3.1	UCAC2 44990835	12.23	6 <sup>h</sup> 59 <sup>m</sup> 03.647 <sup>s</sup> 37°54'20.845"	-52.4	164.8	104	164.8	-52.4	11.3	53.7	99.8	131
2007/01/04 18:28:23	34631 2000 UY107	9.1	15.98	3.99	254	0.9	36°11'33" 47°45'52"	182	0.7	TYC 190900328	12.02	7 <sup>h</sup> 15 <sup>m</sup> 45.520 <sup>s</sup> 22°38'56.728"	-44.0	176.5	105	176.5	-44.0	11.4	34.9	98.3	170
2007/01/04 18:28:51	17491 1991 UM3	5.0	19.55	7.61	227	0.9	37°43'46" 48°14'22"	153	0.2	TYC 143200956	11.94	10 <sup>h</sup> 57 <sup>m</sup> 12.969 <sup>s</sup> 19°29'37.071"	-44.1	125.1	65	125.1	-44.1	40.1	34.9	98.3	113
2007/01/04 18:58:05	44016 Jimmy- page	7.6	16.07	4.57	234	0.9	37°29'31" 48°05'56"	158	0.5	TYC 296502097	11.52	7 <sup>h</sup> 27 <sup>m</sup> 23.447 <sup>s</sup> 41°55'31.099"	-48.5	159.9	86	159.9	-48.5	19.6	39.4	98.3	130
2007/01/04 21:07:26	144 Vibilia	141.8	11.11	1.76	13	12.8	36°22'05" 50°09'10"	26	92.3	TYC 188800747	9.58	6 <sup>h</sup> 39 <sup>m</sup> 57.298 <sup>s</sup> 26°23'48.229"	-62.1	173.9	174	173.9	-62.1	20.8	57.2	98.0	38
2007/01/04 21:16:30	11035 1988 VQ3	6.6	16.89	5.29	238	0.7	36°51'17" 47°56'23"	170	0.1	TYC 72001908	11.61	5 <sup>h</sup> 57 <sup>m</sup> 54.005 <sup>s</sup> 9°45'26.784"	-62.5	160.1	195	160.1	-62.5	34.9	58.2	98.0	99
2007/01/04 22:22:34	1648 Shajna	10.3	16.58	3.00	247	0.9	37°22'60" 52°09'30"	18	0.0	UCAC2 38206440	13.65	5 <sup>h</sup> 07 <sup>m</sup> 12.204 <sup>s</sup> 18°05'30.476"	-61.5	153.0	239	153.0	-61.5	43.9	63.2	97.9	58
2007/01/05 03:13:36	49368 1998 WN19	5.2	16.40	4.56	76	0.7	35°36'57" 49°30'51"	219	1.7	UCAC2 40816477	11.86	5 <sup>h</sup> 27 <sup>m</sup> 10.031 <sup>s</sup> 25°58'55.858"	-21.2	158.1	299	158.1	-21.2	40.6	34.8	97.2	79
2007/01/05 03:25:18	18554 1997 BO1	8.3	17.26	5.83	80	0.7	35°29'58" 49°32'03"	225	2.3	UCAC2 40179581	11.44	7 <sup>h</sup> 51 <sup>m</sup> 53.602 <sup>s</sup> 23°48'33.747"	-19.4	168.5	274	168.5	-19.4	7.9	32.9	97.2	114
2007/01/05 18:36:39	105564 2000 RR60	7.6	17.64	5.68	150	0.8	37°12'23" 48°50'14"	154	1.2	TYC 195400274	11.96	9 <sup>h</sup> 13 <sup>m</sup> 07.784 <sup>s</sup> 26°30'57.846"	-45.1	150.6	81	150.6	-45.1	7.1	25.4	94.8	159
2007/01/05 20:18:56	5887 Yauza	6.0	15.68	4.34	2	0.8	36°18'10" 50°03'36"	40	3.8	TYC 75600420	11.36	6 <sup>h</sup> 58 <sup>m</sup> 26.193 <sup>s</sup> 11°40'45.293"	-58.4	169.0	152	169.0	-58.4	30.8	40.9	94.4	63

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 2		LinOccult 1.1.1				
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/05 22:00:11	1394 Algoa	10.5	15.95	7.37	168	0.9	35°54'26'' 48°33'37''	189	0.2	HIP 32023	8.58	6 <sup>h</sup> 41 <sup>m</sup> 22.881 <sup>s</sup> 18°55'59.934''	57.9	200	173.3	-62.4	34.0	53.8	94.1	66
2007/01/06 02:16:14	4591 Bryant-sev	5.8	16.10	4.05	172	0.6	37°43'59'' 51°17'16''	37	0.2	TYC 133900966	12.07	6 <sup>h</sup> 48 <sup>m</sup> 59.560 <sup>s</sup> 19°57'45.595''	25.8	271	175.2	-30.4	34.4	47.3	93.2	74
2007/01/06 02:34:11	22997 1999 VT70	7.6	18.37	7.78	15	1.1	36°28'16'' 49°59'07''	118	1.8	TYC 547400265	10.59	9 <sup>h</sup> 45 <sup>m</sup> 52.366 <sup>s</sup> -8°01'40.119''	25.1	217	130.4	-27.5	27.8	44.8	93.1	165
2007/01/06 03:01:39	6271 Farmer	8.3	16.55	5.58	236	0.6	39°24'28'' 49°23'49''	108	0.0	TYC 607601559	10.98	11 <sup>h</sup> 00 <sup>m</sup> 19.665 <sup>s</sup> -17°19'17.535''	20.0	202	110.3	-23.1	44.2	40.8	93.1	73
2007/01/06 05:01:01	1588 Descamisada	20.0	15.48	3.58	183	1.4	34°50'11'' 48°42'25''	215	1.1	UCAC2 40334365	11.94	6 <sup>h</sup> 51 <sup>m</sup> 54.201 <sup>s</sup> 24°05'30.998''	4.2	303	176.2	-5.0	35.0	22.3	92.6	89
2007/01/06 20:06:40	25980 2001 FK53	5.5	17.43	5.83	2	0.8	36°15'17'' 50°03'21''	292	2.7	UCAC2 43232369	11.61	4 <sup>h</sup> 49 <sup>m</sup> 53.490 <sup>s</sup> 32°51'11.843''	71.1	211	147.5	-57.0	69.6	28.4	89.1	81
2007/01/06 21:05:44	11234 1999 JS82	10.0	16.90	4.23	88	1.3	36°52'51'' 50°44'18''	29	2.8	UCAC2 38257010	12.69	10 <sup>h</sup> 09 <sup>m</sup> 25.580 <sup>s</sup> 18°26'31.645''	37.3	107	137.9	-61.8	5.4	37.1	88.9	87
2007/01/06 22:16:01	9506 Telra-mund	8.3	18.26	7.37	161	1.0	37°24'37'' 51°18'29''	30	1.1	TYC 493401244	10.89	11 <sup>h</sup> 44 <sup>m</sup> 35.344 <sup>s</sup> -4°28'41.992''	15.3	117	107.8	-61.7	33.2	46.2	88.5	117
2007/01/07 15:09:10	2546 Libitina	18.2	17.92	4.66	83	0.8	36°38'15'' 49°19'59''	162	5.2	UCAC2 34764277	13.27	23 <sup>h</sup> 45 <sup>m</sup> 27.543 <sup>s</sup> 8°01'24.279''	46.6	200	73.3	-12.1	152.7	-22.4	83.8	91
2007/01/07 21:09:35	3948 Bohr	6.3	17.29	5.77	168	0.6	35°59'30'' 48°33'11''	187	0.2	TYC 130601098	11.53	5 <sup>h</sup> 40 <sup>m</sup> 21.274 <sup>s</sup> 19°05'59.515''	56.9	208	157.9	-61.8	72.2	27.2	82.0	71
2007/01/07 21:39:59	2493 Elmer	10.5	16.62	4.71	196	0.9	36°49'45'' 51°46'37''	11	0.4	TYC 72100803	11.93	6 <sup>h</sup> 01 <sup>m</sup> 16.262 <sup>s</sup> 11°01'17.338''	48.4	207	159.2	-62.5	68.2	31.6	81.8	87
2007/01/07 23:40:06	4038 Kristina	7.2	16.10	3.51	55	0.7	36°31'11'' 50°31'20''	18	3.0	TYC 192300976	12.64	7 <sup>h</sup> 37 <sup>m</sup> 11.993 <sup>s</sup> 29°00'48.675''	62.3	230	171.5	-53.9	47.8	45.2	81.2	69
2007/01/08 00:22:47	3788 Steyaert	13.8	16.43	2.78	223	1.1	34°44'42'' 48°19'07''	210	0.6	UCAC2 36775985	13.74	5 <sup>h</sup> 48 <sup>m</sup> 26.191 <sup>s</sup> 14°01'15.391''	28.6	257	157.9	-48.1	72.3	47.9	81.0	105
2007/01/08 00:58:24	1449 Virtanen	11.0	16.17	3.68	178	1.2	35°01'36'' 48°40'46''	211	0.1	UCAC2 38204997	12.53	4 <sup>h</sup> 56 <sup>m</sup> 30.525 <sup>s</sup> 18°27'18.397''	17.9	278	147.4	-42.7	84.6	48.8	80.8	56
2007/01/08 01:16:35	5603 Rausu-dake	26.3	16.16	5.11	83	1.7	35°49'50'' 49°21'45''	203	6.1	TYC 136001455	11.06	7 <sup>h</sup> 29 <sup>m</sup> 18.480 <sup>s</sup> 16°04'26.479''	37.4	248	172.9	-39.9	48.4	48.8	80.7	146
2007/01/08 13:54:23	1288 Santa	39.2	16.99	5.50	246	0.9	38°06'36'' 48°11'10''	148	0.2	TYC 578100651	11.50	21 <sup>h</sup> 21 <sup>m</sup> 23.463 <sup>s</sup> -12°19'44.772''	21.6	214	31.2	-1.2	152.8	-34.2	76.6	79
2007/01/08 14:25:51	1903 Adzhimushkaj	29.7	14.52	2.23	120	2.4	37°34'24'' 49°22'03''	129	0.2	UCAC2 36796086	12.44	6 <sup>h</sup> 43 <sup>m</sup> 50.566 <sup>s</sup> 14°03'10.493''	4.2	73	168.6	-5.6	65.6	-33.4	76.4	36
2007/01/08 15:43:59	101570 1999 AJ38	5.0	16.46	5.20	11	0.7	36°26'21'' 50°01'16''	105	1.8	TYC 340702354	11.27	7 <sup>h</sup> 57 <sup>m</sup> 24.477 <sup>s</sup> 45°36'04.573''	28.3	52	155.2	-17.3	58.1	-28.2	76.0	108
2007/01/08 20:34:37	7194 1993 SR3	9.5	16.68	4.78	10	0.8	36°12'28'' 49°58'08''	213	2.5	TYC 479800860	11.91	6 <sup>h</sup> 35 <sup>m</sup> 12.532 <sup>s</sup> 0° - 52'46.263''	39.0	172	154.6	-59.4	71.3	11.5	74.3	153
2007/01/08 20:48:32	3423 Slouka	12.0	16.85	3.15	50	1.9	36°18'36'' 50°29'33''	2	4.3	UCAC2 39616847	13.76	4 <sup>h</sup> 28 <sup>m</sup> 07.827 <sup>s</sup> 22°20'47.871''	54.2	231	140.7	-60.5	100.5	13.6	74.2	97

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 3		LinOccult 1.1.1			
													Star			Sun			Moon	
Date Time (UTC)		Asteroid		Nearest point			Star						Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
Number	Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt		
2007/01/08 20:57:01	32715 5105 T-2	6.0	17.25	6.02	122	0.5	35°59'43'' 51°07'32''	350	1.2 2.2	UCAC2 40999423	11.23	6 <sup>h</sup> 22 <sup>m</sup> 24.829 <sup>s</sup> 26°12'05.678''	66.3	187	166.6	-61.0	74.4	14.9	74.1	107
2007/01/08 21:43:44	1586 Thiele	16.0	14.50	1.17	169	1.7	37°00'59'' 51°29'22''	18	0.0 18.4	UCAC2 38954655	13.79	6 <sup>h</sup> 51 <sup>m</sup> 05.670 <sup>s</sup> 20°18'35.515''	59.9	194	173.3	-62.3	67.8	21.8	73.9	34
2007/01/08 21:53:21	11052 1990 WM	10.0	17.96	4.55	86	1.6	35°05'14'' 49°59'03''	265	2.6 3.3	UCAC2 35871466	13.42	3 <sup>h</sup> 40 <sup>m</sup> 55.714 <sup>s</sup> 11°49'45.194''	29.8	252	127.2	-62.2	113.8	23.2	73.8	121
2007/01/08 22:44:52	19013 2000 RN76	6.3	18.67	6.58	49	0.6	36°25'45'' 50°28'49''	12	2.4 2.7	TYC 28900752	12.10	12 <sup>h</sup> 31 <sup>m</sup> 13.328 <sup>s</sup> 0°00'38.788''	17.5	112	101.0	-59.6	17.2	30.1	73.5	93
2007/01/09 17:59:16	1586 Thiele	16.0	14.53	1.70	162	1.7	35°57'15'' 51°29'26''	352	0.0 18.4	UCAC2 38954349	13.09	6 <sup>h</sup> 50 <sup>m</sup> 12.231 <sup>s</sup> 20°21'33.868''	42.4	111	172.4	-38.7	77.9	-22.1	66.6	34
2007/01/09 20:19:55	9624 1993 FH38	6.0	17.38	5.95	193	0.5	36°29'33'' 51°46'47''	4	0.4 2.3	TYC 133601773	11.44	6 <sup>h</sup> 26 <sup>m</sup> 45.352 <sup>s</sup> 19°45'35.283''	59.5	168	166.8	-57.9	84.6	-1.2	65.7	106
2007/01/10 00:27:11	1525 Savonlinna	12.2	16.42	5.98	202	0.9	37°17'45'' 51°44'51''	21	0.4 5.5	TYC 188000618	10.44	6 <sup>h</sup> 37 <sup>m</sup> 02.149 <sup>s</sup> 22°43'25.800''	40.8	256	169.3	-47.3	84.5	31.7	64.1	88
2007/01/10 02:16:22	20718 1999 XZ97	13.8	17.02	4.48	84	0.9	35°22'35'' 49°34'04''	231	3.2 3.9	UCAC2 42404337	12.56	8 <sup>h</sup> 14 <sup>m</sup> 00.293 <sup>s</sup> 30°17'31.072''	44.2	266	166.0	-30.3	65.6	37.2	63.5	143
2007/01/10 02:24:29	28303 1999 CY72	7.6	16.77	6.05	249	0.6	35°20'04'' 47°53'53''	196	0.2 2.9	UCAC2 37531901	10.72	7 <sup>h</sup> 56 <sup>m</sup> 30.254 <sup>s</sup> 16°13'25.149''	30.0	259	170.4	-29.0	66.0	37.3	63.4	106
2007/01/10 02:36:25	101907 1999 RC3	5.0	18.67	6.87	55	0.6	36°50'58'' 50°23'10''	47	1.2 1.2	TYC 196400145	11.80	9 <sup>h</sup> 53 <sup>m</sup> 42.948 <sup>s</sup> 25°58'32.643''	53.4	243	145.7	-27.1	44.3	37.2	63.3	164
2007/01/10 13:55:23	36177 1999 SJ14	6.6	17.83	6.04	241	0.5	38°59'13'' 48°47'08''	126	0.4 1.9	UCAC2 42919993	11.79	7 <sup>h</sup> 39 <sup>m</sup> 14.423 <sup>s</sup> 31°46'41.222''	7.5	48	169.7	-1.0	78.8	-44.3	59.1	140
2007/01/10 17:24:43	1697 Koskenniemi	10.0	16.68	5.39	179	0.6	36°33'07'' 48°26'48''	174	0.2 6.0	TYC 119701387	11.29	1 <sup>h</sup> 23 <sup>m</sup> 55.400 <sup>s</sup> 16°00'22.172''	50.1	221	95.4	-33.0	165.2	-36.2	57.7	66
2007/01/10 18:30:12	161 Athor	44.2	13.05	0.71	249	4.2	34°47'37'' 52°04'29''	335	0.0 62.8	UCAC2 44809996	13.13	5 <sup>h</sup> 47 <sup>m</sup> 03.442 <sup>s</sup> 37°03'53.566''	69.2	119	153.7	-43.3	104.5	-27.9	57.3	25
2007/01/10 20:06:43	25505 1999 XQ95	6.6	17.12	6.92	165	1.1	38°23'14'' 49°26'34''	114	0.7 2.6	TYC 182500993	10.20	3 <sup>h</sup> 55 <sup>m</sup> 49.382 <sup>s</sup> 29°15'53.046''	60.0	237	132.2	-56.4	129.6	-13.6	56.6	103
2007/01/10 20:28:57	4125 Lew Allen	6.6	16.80	7.10	11	0.7	36°26'10'' 50°02'46''	91	3.0 3.0	TYC 179501457	9.70	3 <sup>h</sup> 09 <sup>m</sup> 59.477 <sup>s</sup> 28°45'06.788''	49.5	256	122.2	-58.6	139.3	-10.2	56.5	87
2007/01/10 20:35:11	1024 Hale	41.4	14.68	3.69	96	4.5	36°00'09'' 49°12'18''	192	4.8 34.1	TYC 241601207	11.02	5 <sup>h</sup> 33 <sup>m</sup> 44.314 <sup>s</sup> 37°28'27.530''	75.1	218	151.0	-59.1	108.2	-9.2	56.5	47
2007/01/10 22:07:17	21479 Mary-martha	5.5	18.08	6.18	180	1.0	35°24'11'' 48°32'18''	201	0.2 2.8	TYC 83700781	11.90	10 <sup>h</sup> 21 <sup>m</sup> 00.417 <sup>s</sup> 9°45'36.416''	39.5	130	136.7	-61.6	40.0	4.8	55.9	78
2007/01/11 00:02:15	6393 1990 HM1	19.1	16.97	3.94	196	0.7	36°44'17'' 51°46'55''	9	1.3 7.1	UCAC2 29467804	13.05	14 <sup>h</sup> 40 <sup>m</sup> 24.281 <sup>s</sup> -6°49'02.571''	5.4	107	70.6	-50.8	27.4	20.1	55.1	106
2007/01/11 02:15:03	6733 1992 EF	14.5	16.17	6.12	142	1.2	36°59'02'' 51°14'40''	21	2.2 5.6	TYC 132701803	10.06	6 <sup>h</sup> 20 <sup>m</sup> 38.432 <sup>s</sup> 21°28'12.281''	19.4	281	164.3	-30.5	100.8	30.6	54.2	103
2007/01/11 03:24:25	55389 2001 SX276	5.0	17.55	6.18	85	0.5	37°15'34'' 50°29'52''	54	1.1 1.3	TYC 298200681	11.37	8 <sup>h</sup> 42 <sup>m</sup> 45.845 <sup>s</sup> 37°41'37.131''	41.9	282	157.4	-19.3	75.0	31.4	53.8	154

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		LinOccult 1.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/11 19:38:31	18844 1999 RU27	6.6	17.84	5.89	205	0.5	37°16'46'' 48°19'12''	160	0.8	UCAC2 46558147	11.95	7 <sup>h</sup> 35 <sup>m</sup> 53.093 <sup>s</sup> 42°57'27.853''	67.0	96	158.7	-52.8	96.3	-28.1	47.5	173
2007/01/11 20:40:31	3025 Higson	52.1	15.99	2.77	235	3.7	37°41'24'' 48°08'46''	155	5.2	UCAC2 42389956	13.30	6 <sup>h</sup> 27 <sup>m</sup> 32.385 <sup>s</sup> 30°23'00.316''	70.6	181	163.3	-59.4	109.0	-18.7	47.0	198
2007/01/12 00:03:43	8937 Gassan	5.2	17.94	6.28	186	1.2	37°36'24'' 51°29'25''	30	0.1	UCAC2 37838972	11.66	4 <sup>h</sup> 31 <sup>m</sup> 17.381 <sup>s</sup> 17°04'16.623''	19.1	274	137.3	-50.5	137.0	10.7	45.6	67
2007/01/12 02:26:58	578 Happelia	69.3	14.01	0.80	247	4.8	38°44'32'' 51°37'47''	45	0.0	UCAC2 42910385	13.91	6 <sup>h</sup> 35 <sup>m</sup> 05.631 <sup>s</sup> 31°30'02.790''	26.3	288	163.9	-28.5	110.3	24.0	44.7	32
2007/01/12 02:52:24	253 Mathilde	58.0	14.43	1.88	202	5.0	37°25'16'' 51°42'51''	24	0.0	UCAC2 36427585	12.76	6 <sup>h</sup> 03 <sup>m</sup> 37.713 <sup>s</sup> 13°29'21.885''	4.2	286	157.3	-24.4	115.8	25.2	44.6	49
2007/01/12 03:05:12	805 Hor-muthia	66.9	15.86	4.87	257	8.4	37°24'54'' 47°51'27''	162	0.1	TYC 494101182	11.00	12 <sup>h</sup> 23 <sup>m</sup> 33.207 <sup>s</sup> −1°16'57.857''	38.4	190	105.5	-22.3	22.4	25.6	44.5	72
2007/01/12 17:03:04	1243 Pamela	70.1	14.57	1.70	73	5.4	36°15'32'' 50°42'12''	358	15.9	UCAC2 32533197	13.13	8 <sup>h</sup> 33 <sup>m</sup> 56.343 <sup>s</sup> 2°09'40.021''	5.1	93	155.8	-29.2	83.7	-55.3	39.1	39
2007/01/12 19:33:10	54130 2000 HE31	5.8	19.24	8.48	86	0.7	35°07'00'' 50°13'27''	283	1.2	TYC 64900204	10.76	3 <sup>h</sup> 16 <sup>m</sup> 34.347 <sup>s</sup> 8°12'55.129''	40.4	224	116.4	-52.0	161.4	-39.0	38.1	173
2007/01/13 03:41:51	20635 1999 TV96	13.2	16.84	3.32	34	1.0	36°40'49'' 49°52'32''	124	4.1	UCAC2 30007828	13.57	8 <sup>h</sup> 23 <sup>m</sup> 34.269 <sup>s</sup> −5°02'23.807''	3.7	258	151.0	-16.5	88.9	20.5	34.9	124
2007/01/13 14:00:25	5153 1940 GO	28.1	17.20	3.92	64	0.7	35°25'49'' 49°53'48''	255	8.7	UCAC2 23272941	13.31	22 <sup>h</sup> 00 <sup>m</sup> 27.384 <sup>s</sup> −21°55'26.786''	13.7	208	32.8	-1.2	98.3	-45.5	31.1	109
2007/01/13 14:32:22	3032 Evans	23.0	16.70	5.19	139	1.0	37°25'34'' 49°02'28''	144	3.0	TYC 1501181	11.52	0 <sup>h</sup> 55 <sup>m</sup> 58.463 <sup>s</sup> 3°09'19.428''	42.9	171	81.2	-5.6	147.7	-49.9	30.8	88
2007/01/13 16:37:58	55018 2001 QH33	5.8	18.65	7.50	34	0.6	36°43'29'' 49°56'24''	111	1.0	TYC 236600229	11.16	4 <sup>h</sup> 09 <sup>m</sup> 57.781 <sup>s</sup> 34°40'21.111''	66.9	122	132.5	-25.0	158.0	-61.0	30.1	222
2007/01/13 18:57:26	20985 1981 EA35	10.0	16.66	4.71	25	0.8	36°28'05'' 49°51'21''	149	2.5	TYC 297001807	11.97	7 <sup>h</sup> 32 <sup>m</sup> 26.672 <sup>s</sup> 43°49'02.508''	62.6	88	157.5	-46.8	119.6	-53.3	29.2	159
2007/01/13 20:03:17	31262 1998 ES8	5.0	17.76	6.29	206	0.7	36°05'47'' 48°12'05''	184	0.5	TYC 82102080	11.48	9 <sup>h</sup> 32 <sup>m</sup> 40.050 <sup>s</sup> 7°52'21.712''	29.2	115	149.6	-55.4	85.0	-44.7	28.9	149
2007/01/13 22:36:06	58844 1998 HV60	5.2	19.22	7.74	139	0.5	35°48'22'' 48°50'05''	194	0.6	UCAC2 45793745	11.49	5 <sup>h</sup> 14 <sup>m</sup> 06.045 <sup>s</sup> 40°20'01.714''	54.3	274	143.7	-59.7	147.0	-21.5	27.8	287
2007/01/13 23:02:53	393 Lampetia	96.9	13.80	2.24	167	5.8	36°52'11'' 51°29'52''	14	0.0	TYC 15302281	11.70	6 <sup>h</sup> 56 <sup>m</sup> 20.752 <sup>s</sup> 3°11'25.339''	36.5	220	158.8	-57.5	120.9	-17.5	27.7	35
2007/01/14 00:42:50	2645 Daphne Plane	15.6	15.87	4.48	5	2.5	36°16'08'' 50°05'32''	346	9.7	TYC 284801303	11.41	3 <sup>h</sup> 13 <sup>m</sup> 55.453 <sup>s</sup> 39°12'28.422''	17.5	311	121.1	-44.8	163.0	-3.3	27.1	64
2007/01/14 00:53:14	161 Athor	44.2	13.13	3.27	223	4.5	34°35'39'' 48°22'25''	213	0.0	TYC 241700790	9.91	5 <sup>h</sup> 43 <sup>m</sup> 50.933 <sup>s</sup> 36°55'54.183''	35.3	288	150.3	-43.2	143.7	-2.0	27.0	25
2007/01/14 00:55:26	1714 Sy	19.2	16.36	2.95	73	1.6	36°40'01'' 50°39'36''	22	6.3	UCAC2 41679884	13.49	5 <sup>h</sup> 53 <sup>m</sup> 03.885 <sup>s</sup> 28°15'32.523''	30.6	279	154.6	-42.9	142.7	-1.7	27.0	83
2007/01/14 14:25:06	34849 2001 SG288	7.6	16.38	4.83	200	0.8	35°31'17'' 51°46'31''	344	0.4	UCAC2 37859188	11.56	6 <sup>h</sup> 13 <sup>m</sup> 33.960 <sup>s</sup> 17°13'15.451''	14.9	81	158.5	-4.4	143.0	-45.0	22.3	101

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 5		LinOccult 1.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/14 19:04:50	916 America	33.2	15.13	4.62	10	1.2	36°12'31" 50°07'20"	326	12.9 13.0	TYC 118700532	10.53	0 <sup>h</sup> 33 <sup>m</sup> 08.173 <sup>s</sup> 15°58'43.422"	26.3	264	80.1	-47.7	133.7	-61.0	20.7	101
2007/01/14 19:29:33	54857 2001 OY22	5.8	19.62	7.96	140	1.6	37°33'13" 49°05'24"	140	1.0 1.4	UCAC2 31100106	11.66	3 <sup>h</sup> 00 <sup>m</sup> 10.036 <sup>s</sup> -1°40'24.647"	29.3	224	107.0	-51.1	150.9	-58.4	20.6	161
2007/01/14 20:47:17	11533 1992 EG6	8.3	17.54	7.74	228	0.6	37°22'42" 51°58'34"	20	0.4 2.8	TYC 136402250	9.80	7 <sup>h</sup> 34 <sup>m</sup> 23.314 <sup>s</sup> 17°07'05.112"	56.0	160	175.3	-59.3	127.9	-48.2	20.1	119
2007/01/14 22:01:53	912 Maritima	83.2	13.12	1.89	92	14.8	36°59'34" 49°21'50"	146	21.9 39.4	TYC 144501488	11.44	12 <sup>h</sup> 31 <sup>m</sup> 06.518 <sup>s</sup> 17°43'51.482"	28.2	96	113.0	-61.2	65.8	-36.9	19.6	81
2007/01/14 22:20:53	92194 1999 XK230	8.3	18.51	6.64	51	7.7	36°33'06" 50°28'24"	22	1.9 2.0	UCAC2 35580100	11.87	11 <sup>h</sup> 41 <sup>m</sup> 09.392 <sup>s</sup> 10°47'51.988"	33.5	116	122.5	-60.5	71.1	-34.0	19.9	163
2007/01/14 23:01:22	8814 Ros-seven	11.0	17.04	3.22	164	1.0	37°03'12" 51°26'23"	19	1.4 3.8	UCAC2 37680792	13.87	6 <sup>h</sup> 13 <sup>m</sup> 46.260 <sup>s</sup> 16°49'51.752"	42.8	241	158.1	-57.5	147.1	-27.8	19.3	116
2007/01/15 00:38:51	955 Alstede	17.3	16.13	3.56	212	1.1	37°55'40" 51°38'32"	33	0.0 12.7	UCAC2 44818570	12.61	6 <sup>h</sup> 30 <sup>m</sup> 19.349 <sup>s</sup> 37°16'29.143"	44.5	279	157.2	-45.3	146.4	-13.4	18.8	54
2007/01/15 05:08:53	6000 United Nations	16.6	17.39	6.37	258	0.5	34°03'23" 48°14'47"	218	0.9 4.7	TYC 618901219	11.03	15 <sup>h</sup> 42 <sup>m</sup> 57.231 <sup>s</sup> -17°11'00.446"	22.5	172	57.2	-3.3	11.1	12.8	17.3	140
2007/01/15 14:47:04	797 Montana	28.3	15.73	2.12	43	0.6	36°34'37" 50°22'56"	29	14.2 17.7	UCAC2 28649086	13.78	21 <sup>h</sup> 52 <sup>m</sup> 21.545 <sup>s</sup> -9°17'47.895"	19.2	227	32.2	-7.4	76.7	-42.2	14.4	63
2007/01/15 18:08:09	1879 Broederstroom	10.5	14.79	1.37	69	2.2	36°29'20" 49°26'13"	168	3.3 7.8	UCAC2 39452995	13.78	5 <sup>h</sup> 56 <sup>m</sup> 44.583 <sup>s</sup> 21°42'33.139"	55.2	135	154.1	-39.0	162.0	-66.8	13.4	53
2007/01/15 20:21:07	16197 Bluepeter	6.0	17.11	6.02	229	0.6	36°51'13" 48°01'18"	170	0.1 2.8	UCAC2 38229870	11.09	6 <sup>h</sup> 36 <sup>m</sup> 03.349 <sup>s</sup> 18°00'10.399"	58.1	175	162.6	-56.9	153.2	-60.7	12.7	87
2007/01/15 20:35:55	1231 Auricula	22.5	15.90	2.64	201	2.1	35°34'37" 51°47'45"	345	0.7 10.2	UCAC2 45319691	13.36	5 <sup>h</sup> 55 <sup>m</sup> 50.290 <sup>s</sup> 38°43'48.430"	76.4	219	150.0	-58.2	161.8	-58.9	12.6	87
2007/01/15 23:01:16	15302 1992 TJ1	7.6	17.70	6.01	174	0.5	34°56'06" 48°45'05"	214	0.6 3.1	UCAC2 35022515	11.69	8 <sup>h</sup> 38 <sup>m</sup> 20.381 <sup>s</sup> 9°07'36.763"	48.9	191	163.2	-57.4	124.0	-37.7	12.0	97
2007/01/16 00:12:50	14915 1993 UM8	5.5	17.18	7.26	149	0.6	37°27'21" 51°09'28"	34	0.9 1.8	TYC 480100846	9.92	6 <sup>h</sup> 53 <sup>m</sup> 20.643 <sup>s</sup> -1°28'16.517"	22.6	238	153.6	-48.9	139.4	-26.7	11.6	123
2007/01/16 05:29:11	693 Zerbi-netta	67.7	14.00	1.18	248	5.4	33°01'49" 49°19'22"	251	0.0 56.9	UCAC2 46413980	13.26	6 <sup>h</sup> 32 <sup>m</sup> 39.947 <sup>s</sup> 42°29'37.538"	10.2	328	153.0	-0.4	157.7	9.4	10.2	43
2007/01/16 14:30:08	2356 Hirons	45.9	16.84	3.81	75	1.0	35°49'13" 50°39'12"	334	10.9 12.4	UCAC2 28635299	13.06	20 <sup>h</sup> 01 <sup>m</sup> 17.619 <sup>s</sup> -9°09'59.667"	6.0	248	12.0	-4.7	40.1	-31.7	8.0	147
2007/01/17 16:46:27	36026 1999 NZ52	10.5	17.05	4.04	163	1.2	35°54'13" 51°29'37"	350	1.4 3.3	UCAC2 34414585	13.03	5 <sup>h</sup> 55 <sup>m</sup> 06.262 <sup>s</sup> 7°39'31.193"	34.1	124	147.9	-25.6	157.4	-43.4	2.9	128
2007/01/17 20:14:01	28610 2000 EM158	11.0	17.39	9.88	218	0.9	37°27'19" 48°14'37"	157	1.0 2.9	HIP 26585	7.51	5 <sup>h</sup> 39 <sup>m</sup> 04.272 <sup>s</sup> 37°58'35.907"	75.5	220	145.6	-55.8	162.5	-67.6	2.3	153
2007/01/17 21:24:51	3224 Irkutsk	31.1	16.04	2.75	150	2.9	36°38'44" 51°22'19"	10	4.0 12.6	UCAC2 38397145	13.38	5 <sup>h</sup> 51 <sup>m</sup> 15.208 <sup>s</sup> 18°50'25.978"	52.5	224	150.3	-60.6	164.1	-65.9	2.2	98
2007/01/17 23:52:02	4127 Kyogoku	13.2	16.15	4.09	242	1.2	34°44'41" 48°07'17"	207	0.5 4.5	TYC 133800027	12.08	6 <sup>h</sup> 42 <sup>m</sup> 49.411 <sup>s</sup> 20°32'20.106"	40.7	252	162.5	-51.5	172.5	-47.7	1.9	116

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 6		LinOccult 1.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/18 00:43:55	6481 Tenzing	7.2	17.44	5.40	201	0.7	37°35'54" 51°38'58"	28	0.1	TYC 240401093	12.05	5 <sup>h</sup> 40 <sup>m</sup> 45.447 <sup>s</sup> 30°15'57.632"	29.4	283	147.7	-44.2	162.8	-39.7	1.8	75
2007/01/18 02:18:25	20018 1991 UJ2	5.0	18.15	6.06	89	0.6	35°21'35" 49°31'04"	228	1.1	TYC 142300421	12.09	10 <sup>h</sup> 20 <sup>m</sup> 58.537 <sup>s</sup> 18°30'25.703"	49.2	232	146.4	-29.4	133.6	-25.1	1.6	60
2007/01/18 14:00:17	7282 1989 BC	13.8	15.94	3.25	53	1.2	36°06'52" 50°30'38"	347	4.3	UCAC2 40491933	12.75	6 <sup>h</sup> 21 <sup>m</sup> 58.020 <sup>s</sup> 24°30'36.570"	17.6	73	157.0	-0.2	164.3	-8.6	0.6	114
2007/01/18 14:40:19	1431 Luanda	16.6	15.52	3.08	123	1.2	37°10'21" 49°06'07"	149	2.9	UCAC2 38781074	12.50	7 <sup>h</sup> 14 <sup>m</sup> 50.859 <sup>s</sup> 19°45'18.881"	12.1	74	169.3	-5.8	172.5	-14.0	0.5	91
2007/01/18 16:47:39	2382 Nonie	17.4	16.81	3.61	15	1.1	36°09'53" 49°56'07"	215	1.7	UCAC2 30958321	13.24	6 <sup>h</sup> 15 <sup>m</sup> 13.006 <sup>s</sup> -2°15'44.760"	23.7	126	145.5	-25.6	145.5	-32.9	0.4	407
2007/01/18 17:33:50	6988 1994 WE3	7.2	16.73	5.42	241	0.8	36°54'33" 47°55'28"	169	0.1	UCAC2 38230167	11.32	6 <sup>h</sup> 36 <sup>m</sup> 56.393 <sup>s</sup> 18°24'12.576"	44.3	118	160.1	-33.0	163.7	-40.0	0.4	97
2007/01/18 21:41:45	244 Sita	10.9	15.47	2.01	251	3.0	36°03'46" 47°47'48"	184	0.0	UCAC2 37657629	13.65	4 <sup>h</sup> 02 <sup>m</sup> 42.655 <sup>s</sup> 16°58'23.175"	32.8	257	123.6	-60.6	126.8	-65.2	0.2	54
2007/01/19 01:13:56	10672 Kostyukova	15.1	16.25	2.63	95	1.0	36°41'46" 50°51'39"	18	3.8	UCAC2 38062910	13.72	7 <sup>h</sup> 31 <sup>m</sup> 31.512 <sup>s</sup> 17°47'17.355"	32.8	258	172.3	-39.6	170.6	-42.2	0.1	99
2007/01/19 03:18:06	111525 2001 YX109	8.7	18.26	7.38	227	0.7	33°29'02" 49°06'51"	243	0.9	TYC 287101836	10.88	3 <sup>h</sup> 47 <sup>m</sup> 52.032 <sup>s</sup> 42°24'52.827"	6.8	336	122.8	-19.7	124.8	-22.8	0.1	312
2007/01/19 03:24:44	5778 Ju- rafrance	11.5	16.31	2.61	177	0.8	35°35'42" 48°31'14"	196	0.7	UCAC2 35390691	13.80	8 <sup>h</sup> 26 <sup>m</sup> 01.583 <sup>s</sup> 10°08'46.895"	14.8	268	168.3	-18.7	165.0	-21.8	0.1	90
2007/01/19 03:49:09	7394 Xan- thomalitia	20.0	18.06	4.34	73	0.5	36°47'44" 50°37'03"	30	4.8	UCAC2 25802503	13.74	17 <sup>h</sup> 28 <sup>m</sup> 16.538 <sup>s</sup> -16°07'49.685"	10.5	131	36.8	-14.8	37.7	-18.1	0.1	147
2007/01/19 18:24:58	17859 Gali- naryabova	11.0	17.33	6.03	25	0.9	36°14'39" 50°16'13"	353	3.6	TYC 242500524	11.31	6 <sup>h</sup> 22 <sup>m</sup> 34.717 <sup>s</sup> 32°10'11.968"	64.8	126	154.1	-40.8	147.5	-36.2	0.5	120
2007/01/19 19:40:37	41899 2000 WY124	12.0	17.14	3.92	239	1.2	37°53'11" 51°56'52"	28	0.7	UCAC2 40649313	13.25	5 <sup>h</sup> 37 <sup>m</sup> 09.901 <sup>s</sup> 25°13'27.851"	65.0	193	145.5	-51.5	137.1	-47.2	0.6	133
2007/01/20 00:33:15	20825 2000 UN11	10.5	15.60	2.95	200	1.0	36°31'52" 51°50'04"	5	0.6	TYC 139000851	12.72	8 <sup>h</sup> 17 <sup>m</sup> 32.397 <sup>s</sup> 22°19'08.577"	48.8	242	176.7	-45.6	170.8	-52.4	1.0	100
2007/01/20 00:36:22	1681 Stein- metz	22.0	14.67	1.43	214	3.3	38°52'47" 51°01'58"	59	0.0	UCAC2 38796131	13.58	10 <sup>h</sup> 15 <sup>m</sup> 28.826 <sup>s</sup> 19°30'18.706"	58.6	199	149.7	-45.1	161.3	-52.0	1.0	57
2007/01/20 02:21:51	2888 Hodgson	7.9	15.74	7.17	134	1.7	35°12'24" 49°03'50"	215	1.0	HIP 26307	8.57	5 <sup>h</sup> 36 <sup>m</sup> 09.671 <sup>s</sup> 36°14'50.364"	17.6	306	143.4	-28.7	132.6	-37.1	1.2	79
2007/01/20 02:33:44	1419 Danzig	17.5	13.64	3.15	252	2.5	35°16'36" 47°52'51"	197	0.0	TYC 23201365	10.55	9 <sup>h</sup> 07 <sup>m</sup> 28.607 <sup>s</sup> 5°14'02.179"	24.8	247	159.0	-26.8	165.1	-35.3	1.2	45
2007/01/20 03:52:04	4894 Ask	6.6	16.99	5.23	78	0.5	36°56'26" 50°36'57"	36	2.0	UCAC2 39131241	11.77	7 <sup>h</sup> 08 <sup>m</sup> 57.974 <sup>s</sup> 20°31'10.362"	5.8	295	166.4	-14.3	153.0	-23.0	1.4	67
2007/01/20 04:55:48	15071 Haller- stein	8.3	15.40	4.74	55	1.0	36°55'12" 50°20'02"	55	3.6	TYC 247101260	10.68	7 <sup>h</sup> 50 <sup>m</sup> 47.489 <sup>s</sup> 32°40'36.212"	12.3	307	166.9	-4.7	158.5	-13.1	1.5	57
2007/01/20 17:31:42	6187 1988 RD5	10.5	16.76	4.03	45	0.8	36°00'23" 50°24'29"	333	3.7	UCAC2 39843138	12.75	8 <sup>h</sup> 13 <sup>m</sup> 47.757 <sup>s</sup> 22°33'46.304"	33.4	94	177.3	-32.2	159.9	-15.9	3.2	104

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 7		LinOccult 1.1.1			
		Asteroid			Nearest point			Star				Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/20 17:38:48	3312 Pedersen	32.7	16.12	6.29	162	2.5	36°15'55" 48°35'18"	181	4.2	TYC	9.83	7 <sup>h</sup> 04 <sup>m</sup> 41.112 <sup>s</sup> 9°06'54.836"	-33.4	121	160.9	-33.4	142.5	-17.0	3.3	115
2007/01/21 00:20:53	66186 1998 XS49	5.0	18.50	7.10	245	0.6	33°18'59" 51°11'18"	301	0.5	UCAC2	11.40	3 <sup>h</sup> 20 <sup>m</sup> 31.542 <sup>s</sup> 35°13'29.628"	-47.2	308	115.4	-47.2	92.6	-53.5	4.5	248
2007/01/21 01:13:54	317 Roxane	18.7	13.16	0.56	157	1.7	37°30'29" 51°13'35"	34	0.4	UCAC2	13.59	7 <sup>h</sup> 18 <sup>m</sup> 49.689 <sup>s</sup> 20°21'56.864"	-39.4	265	167.8	-39.4	142.8	-48.9	4.7	60
2007/01/21 16:26:18	13817 1999 RH39	11.0	17.09	5.50	84	0.9	36°55'09" 49°24'53"	147	2.9	UCAC2	11.59	8 <sup>h</sup> 47 <sup>m</sup> 50.929 <sup>s</sup> 0°03'13.692"	-21.5	91	158.4	-21.5	153.1	6.0	8.2	119
2007/01/21 17:27:58	1390 Abastu- mani	101.6	15.04	3.20	102	17.9	37°25'55" 49°30'38"	126	16.9	UCAC2	11.89	4 <sup>h</sup> 24 <sup>m</sup> 14.845 <sup>s</sup> 42°54'27.813"	-31.4	143	127.1	-31.4	96.3	-2.8	8.5	54
2007/01/21 17:48:23	102033 1999 RU107	6.0	17.98	8.03	174	0.6	36°35'14" 51°36'03"	7	0.8	TYC	9.95	8 <sup>h</sup> 56 <sup>m</sup> 38.454 <sup>s</sup> -13°42'55.061"	-34.7	114	144.7	-34.7	146.5	-5.9	8.6	204
2007/01/21 18:34:36	6771 Foerster	6.3	15.48	4.03	163	1.1	36°38'13" 48°35'60"	171	0.2	UCAC2	11.48	7 <sup>h</sup> 06 <sup>m</sup> 49.088 <sup>s</sup> 24°09'54.382"	-41.9	126	163.9	-41.9	129.5	-12.9	8.8	64
2007/01/21 22:56:22	32715 5105 T- 2	6.0	17.52	6.39	248	0.7	35°50'23" 47°50'23"	187	0.2	TYC	11.14	6 <sup>h</sup> 10 <sup>m</sup> 13.863 <sup>s</sup> 25°32'46.792"	-56.9	255	150.8	-56.9	113.9	-46.3	10.1	110
2007/01/22 00:23:04	29977 1999 NH11	21.9	18.61	7.04	43	1.9	36°53'24" 50°05'11"	84	2.6	TYC	11.57	12 <sup>h</sup> 26 <sup>m</sup> 28.350 <sup>s</sup> 15°17'47.452"	-46.8	143	120.2	-46.8	154.2	-48.8	10.5	338
2007/01/22 01:10:51	1399 Teneriffa	5.8	16.55	5.19	167	0.6	34°43'52" 48°56'15"	222	0.0	TYC	11.37	8 <sup>h</sup> 59 <sup>m</sup> 11.204 <sup>s</sup> 10°32'56.870"	-39.7	234	165.9	-39.7	153.6	-47.2	10.8	53
2007/01/22 19:45:45	5778 Ju- rafrance	11.5	16.27	3.24	248	0.8	36°47'43" 47°50'31"	172	0.1	UCAC2	13.08	8 <sup>h</sup> 22 <sup>m</sup> 13.091 <sup>s</sup> 10°06'31.238"	-51.5	136	170.5	-51.5	134.0	-10.9	17.0	90
2007/01/22 21:01:29	975 Persever- antia	26.5	14.57	1.22	195	3.2	36°39'55" 51°47'09"	8	0.0	UCAC2	13.77	6 <sup>h</sup> 14 <sup>m</sup> 11.971 <sup>s</sup> 26°50'38.964"	-58.5	221	150.6	-58.5	101.5	-22.0	17.5	43
2007/01/22 22:18:07	1196 Sheba	29.3	14.27	1.05	194	2.9	38°29'28" 51°04'52"	54	0.0	UCAC2	13.74	6 <sup>h</sup> 12 <sup>m</sup> 08.846 <sup>s</sup> 24°31'46.398"	-59.1	245	150.3	-59.1	100.4	-31.8	17.9	46
2007/01/22 23:37:24	2499 Brunk	12.6	16.91	9.35	86	0.9	36°47'01" 50°44'59"	24	3.5	HIP	7.56	7 <sup>h</sup> 30 <sup>m</sup> 14.782 <sup>s</sup> 20°47'03.733"	-52.5	242	168.5	-52.5	117.8	-39.1	18.4	93
2007/01/23 21:00:19	955 Alstede	17.3	16.27	4.69	61	1.3	36°22'17" 49°29'53"	174	6.7	TYC	11.60	6 <sup>h</sup> 21 <sup>m</sup> 39.533 <sup>s</sup> 36°57'20.317"	-58.2	233	148.2	-58.2	88.1	-9.3	27.1	55
2007/01/23 22:47:35	7694 Krasetin	12.0	17.36	5.53	77	0.9	36°28'04" 50°43'46"	10	3.4	UCAC2	11.84	9 <sup>h</sup> 33 <sup>m</sup> 27.337 <sup>s</sup> 7°57'22.758"	-57.2	177	159.5	-57.2	136.0	-23.5	27.8	110
2007/01/23 23:14:22	7051 Sean	11.0	17.61	4.89	29	0.9	36°04'22" 49°49'46"	212	3.3	UCAC2	12.74	6 <sup>h</sup> 31 <sup>m</sup> 14.747 <sup>s</sup> 26°20'03.260"	-54.8	257	153.3	-54.8	89.6	-26.4	28.1	130
2007/01/24 00:01:34	2194 Arpola	10.0	15.39	5.31	132	1.0	37°26'54" 50°58'17"	39	0.9	TYC	10.09	8 <sup>h</sup> 20 <sup>m</sup> 45.940 <sup>s</sup> 34°25'41.133"	-49.4	251	164.8	-49.4	110.4	-30.7	28.4	68
2007/01/24 17:56:46	8323 Krimigis	6.9	16.26	4.60	79	0.9	36°23'57" 50°45'26"	6	2.1	UCAC2	11.68	10 <sup>h</sup> 25 <sup>m</sup> 07.906 <sup>s</sup> 12°34'33.908"	-35.4	84	150.7	-35.4	134.9	30.6	36.3	74
2007/01/24 18:25:57	7650 Kaname	11.5	16.53	3.60	226	1.0	35°36'48" 48°03'56"	192	0.8	UCAC2	12.97	7 <sup>h</sup> 26 <sup>m</sup> 35.010 <sup>s</sup> 4°22'56.462"	-39.9	135	159.2	-39.9	94.7	26.5	36.6	134



Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 8		LinOccult 1.1.1			
		Asteroid			Nearest point			Star			Sun			Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/24 19:43:46	110189 2001 SH179	5.2	16.36	3.45	252	0.7	35°20'25" 47°52'09"	196	0.1	TYC	12.95	8 <sup>h</sup> 46 <sup>m</sup> 11.795 <sup>s</sup> 30°14'56.312"	57.0	113	168.0	-50.8	105.5	14.8	37.2	107
2007/01/24 20:25:02	5421 Ulanova	6.9	16.64	4.94	24	1.1	36°19'11" 49°49'56"	174	3.2	TYC	11.71	6 <sup>h</sup> 15 <sup>m</sup> 28.547 <sup>s</sup> 22°01'42.674"	60.6	204	149.2	-55.3	73.8	8.5	37.6	82
2007/01/24 20:35:43	2157 Ashbrook	17.4	15.69	3.08	5	1.3	36°16'39" 50°05'33"	353	6.7	UCAC2	12.67	8 <sup>h</sup> 03 <sup>m</sup> 52.333 <sup>s</sup> 30°28'24.623"	68.7	151	167.5	-56.2	96.2	6.9	37.7	103
2007/01/24 23:56:00	9410 1995 BJ1	11.0	17.10	5.30	19	3.4	36°06'44" 49°55'16"	222	5.1	UCAC2	11.81	11 <sup>h</sup> 29 <sup>m</sup> 03.716 <sup>s</sup> 6°16'49.186"	45.1	162	134.0	-49.9	148.2	-19.6	39.1	84
2007/01/25 02:53:46	61640 2000 QT105	8.3	17.12	6.91	75	0.5	36°02'21" 49°23'18"	194	1.9	TYC	10.22	14 <sup>h</sup> 06 <sup>m</sup> 41.732 <sup>s</sup> 2°20'52.450"	42.0	169	95.8	-22.9	161.9	-28.0	40.6	156
2007/01/25 03:31:34	9368 Esashi	6.0	15.76	5.10	118	0.7	35°49'50" 49°01'38"	196	0.7	TYC	10.67	8 <sup>h</sup> 52 <sup>m</sup> 04.210 <sup>s</sup> 14°35'04.742"	17.4	272	172.7	-16.9	107.4	-27.0	41.0	64
2007/01/25 15:03:57	744 Aguntina	58.7	16.75	4.18	188	1.7	37°42'54" 48°38'16"	147	1.2	UCAC2	12.59	23 <sup>h</sup> 50 <sup>m</sup> 15.895 <sup>s</sup> -6°12'13.479"	28.4	213	50.3	-7.8	36.5	55.3	46.3	71
2007/01/25 16:12:29	668 Dora	26.8	16.59	5.04	118	0.5	37°12'51" 49°10'32"	146	4.7	UCAC2	11.56	22 <sup>h</sup> 14 <sup>m</sup> 07.125 <sup>s</sup> -6°53'44.684"	7.0	250	28.0	-18.5	58.4	53.2	46.9	186
2007/01/25 17:25:15	8388 1993 FO6	9.1	17.16	5.59	30	1.0	36°21'27" 49°47'07"	170	3.0	UCAC2	11.58	6 <sup>h</sup> 30 <sup>m</sup> 36.004 <sup>s</sup> 26°02'03.224"	53.9	118	151.5	-30.1	64.6	46.4	47.4	118
2007/01/25 18:06:37	2215 Sichuan	14.8	15.59	1.88	223	2.7	37°54'50" 48°21'00"	148	0.1	UCAC2	13.92	4 <sup>h</sup> 15 <sup>m</sup> 50.666 <sup>s</sup> 26°13'35.278"	65.5	199	121.3	-36.7	34.1	41.2	47.8	79
2007/01/25 21:19:12	2898 Neuvo	10.5	16.32	3.26	205	1.0	38°21'11" 51°20'34"	46	0.2	UCAC2	13.12	6 <sup>h</sup> 40 <sup>m</sup> 16.321 <sup>s</sup> 20°02'35.661"	56.0	216	153.9	-58.6	65.3	12.6	49.3	79
2007/01/25 22:06:10	5824 Inagaki	11.0	15.43	3.77	72	1.2	36°01'37" 50°40'32"	345	2.4	TYC	11.70	7 <sup>h</sup> 13 <sup>m</sup> 54.882 <sup>s</sup> 23°57'12.577"	58.0	225	161.3	-58.8	71.8	5.7	49.7	167
2007/01/25 22:32:08	57625 2001 TJ158	5.0	18.46	7.50	249	0.7	34°21'29" 48°11'46"	214	0.5	TYC	10.96	5 <sup>h</sup> 55 <sup>m</sup> 56.381 <sup>s</sup> 33°13'07.289"	49.9	265	142.5	-57.7	53.8	2.1	49.9	236
2007/01/26 00:42:26	52631 1997 WC21	5.0	16.85	5.24	16	1.3	36°15'35" 49°54'11"	187	1.4	TYC	11.62	6 <sup>h</sup> 22 <sup>m</sup> 33.441 <sup>s</sup> 26°19'16.544"	28.5	278	149.3	-43.4	58.3	-13.6	51.1	146
2007/01/26 02:37:25	6254 1993 UM3	15.1	17.37	4.21	206	0.5	35°14'49" 48°19'27"	201	0.9	UCAC2	13.19	15 <sup>h</sup> 37 <sup>m</sup> 58.214 <sup>s</sup> -16°42'16.721"	17.0	146	69.5	-25.4	160.3	-21.3	51.8	109
2007/01/26 05:17:07	54656 2000 SX362	27.5	18.22	8.14	173	1.4	35°00'37" 51°22'30"	328	2.5	HIP	10.08	14 <sup>h</sup> 42 <sup>m</sup> 26.128 <sup>s</sup> 19°30'11.441"	55.7	215	94.0	-0.7	141.7	-18.1	53.1	407
2007/01/26 16:13:42	2300 Stebbins	13.8	16.78	5.22	143	1.5	36°51'13" 48°48'50"	164	2.3	UCAC2	11.56	3 <sup>h</sup> 19 <sup>m</sup> 58.948 <sup>s</sup> 20°18'04.361"	60.3	171	106.7	-18.4	7.8	60.7	58.2	120
2007/01/26 17:24:50	12425 1995 VG2	5.2	17.71	6.06	38	0.5	36°33'10" 49°45'19"	150	1.9	UCAC2	11.65	7 <sup>h</sup> 09 <sup>m</sup> 27.972 <sup>s</sup> 34°58'14.224"	54.8	98	155.0	-29.9	58.1	56.8	58.7	101
2007/01/26 17:31:43	0 2000 YO66	5.3	17.99	6.47	242	0.5	39°27'59" 49°20'29"	109	0.5	TYC	11.52	8 <sup>h</sup> 52 <sup>m</sup> 19.374 <sup>s</sup> -16°41'49.599"	0.5	117	144.3	-31.0	96.6	56.1	58.7	337
2007/01/26 18:57:05	933 Susi	21.9	14.33	1.15	104	3.3	35°46'10" 49°10'16"	201	1.6	UCAC2	13.65	6 <sup>h</sup> 47 <sup>m</sup> 43.314 <sup>s</sup> 18°07'08.697"	55.9	153	154.6	-44.0	55.1	45.8	59.4	47

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.				Table 1		Page 9		LinOccult 1.1.1			
		Asteroid			Nearest point			Star			Sun			Moon							
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$	
2007/01/27 00:36:51	30856 1991 XE	6.3	16.17	5.49	62	0.5	37°05'14" 50°16'11"	67	2.3 3.2	TYC 380800810	10.69	8 <sup>h</sup> 56 <sup>m</sup> 20.912 <sup>s</sup> 55°31'55.051"	67.0	298	142.8	-44.0	70.3	-2.9	62.0	79	
2007/01/27 15:01:55	3683 Bau- mann	18.2	16.67	5.19	256	1.7	36°55'20" 47°47'03"	170	0.5 6.5	TYC 186401293	11.49	6 <sup>h</sup> 08 <sup>m</sup> 09.993 <sup>s</sup> 23°04'48.678"	34.2	94	144.7	-7.0	33.6	57.3	68.3	112	
2007/01/27 20:15:51	3869 Norton	8.3	16.71	5.15	109	0.6	36°10'49" 49°04'03"	184	1.4 4.9	UCAC2 36113933	11.57	8 <sup>h</sup> 42 <sup>m</sup> 38.410 <sup>s</sup> 12°07'51.843"	47.6	145	173.7	-53.6	68.9	45.5	70.5	68	
2007/01/27 23:43:42	3373 Kokte- belia	6.3	17.77	7.43	41	0.9	36°28'01" 50°23'59"	18	3.6 5.3	TYC 553701086	10.34	13 <sup>h</sup> 08 <sup>m</sup> 38.835 <sup>s</sup> -7°30'05.017"	23.8	138	108.9	-50.9	134.8	14.3	72.1	48	
2007/01/28 01:38:05	8657 Cedrus	6.6	17.23	6.45	218	0.5	38°06'25" 51°38'12"	36	0.1 3.2	TYC 139600858	10.78	8 <sup>h</sup> 49 <sup>m</sup> 26.586 <sup>s</sup> 19°40'01.037"	37.1	256	177.4	-34.6	64.6	-0.3	72.8	82	
2007/01/28 01:52:45	7626 1976 QL2	11.0	16.94	5.30	158	0.8	34°48'22" 49°00'03"	222	1.4 4.0	UCAC2 43269184	11.65	8 <sup>h</sup> 46 <sup>m</sup> 42.599 <sup>s</sup> 32°54'15.587"	43.5	272	165.3	-32.3	60.0	-1.8	72.9	110	
2007/01/28 14:34:09	31461 1999 CK20	5.0	17.88	6.42	25	0.6	36°10'51" 50°15'41"	342	1.5 1.5	UCAC2 42565289	11.46	6 <sup>h</sup> 36 <sup>m</sup> 38.365 <sup>s</sup> 30°34'01.239"	31.1	78	148.9	-2.7	25.9	47.5	77.8	130	
2007/01/28 17:06:20	571 Dulcinea	44.5	15.65	2.26	113	1.4	36°17'50" 49°01'42"	180	3.8 32.5	UCAC2 35506866	13.53	1 <sup>h</sup> 02 <sup>m</sup> 25.732 <sup>s</sup> 10°30'39.192"	36.1	239	70.2	-26.4	54.9	66.2	78.8	53	
2007/01/28 17:47:27	6863 1991 PX8	6.3	16.43	4.78	129	0.7	36°05'28" 51°11'44"	354	0.3 4.7	UCAC2 34282986	11.66	9 <sup>h</sup> 33 <sup>m</sup> 19.771 <sup>s</sup> 7°29'21.111"	16.9	99	163.8	-33.0	70.2	67.7	79.0	53	
2007/01/28 20:05:00	419 Aurelia	129.0	13.44	1.72	173	11.3	35°56'43" 48°30'27"	188	0.0 98.2	UCAC2 38407618	11.97	6 <sup>h</sup> 27 <sup>m</sup> 17.143 <sup>s</sup> 18°47'36.506"	58.3	195	147.8	-52.2	23.3	57.2	79.9	27	
2007/01/28 21:24:33	8826 Corneville	8.7	18.24	7.35	131	1.5	36°41'34" 51°11'43"	13	1.6 2.9	TYC 186100205	10.89	5 <sup>h</sup> 36 <sup>m</sup> 43.597 <sup>s</sup> 23°56'18.903"	49.1	246	136.2	-58.0	9.7	45.7	80.4	119	
2007/01/28 22:33:23	5404 Uemura	10.5	16.74	5.38	159	0.9	34°49'03" 48°58'47"	221	0.7 5.3	UCAC2 41659573	11.37	3 <sup>h</sup> 01 <sup>m</sup> 57.047 <sup>s</sup> 28°24'54.759"	17.2	294	102.4	-57.0	25.8	35.1	80.8	78	
2007/01/29 04:01:32	6618 1936 SO	7.2	16.13	6.96	243	0.7	33°34'17" 51°23'24"	308	0.0 6.1	HIP 60177	9.17	12 <sup>h</sup> 20 <sup>m</sup> 24.134 <sup>s</sup> -6°33'25.330"	23.9	224	121.4	-11.5	107.8	-6.4	82.8	47	
2007/01/29 14:33:26	28172 1998 VZ30	10.0	17.64	5.48	13	0.7	36°21'22" 49°56'34"	157	5.2 5.2	UCAC2 36581425	12.17	2 <sup>h</sup> 40 <sup>m</sup> 28.010 <sup>s</sup> 13°51'11.552"	51.4	153	92.8	-2.3	44.0	39.1	86.1	76	
2007/01/29 15:19:28	55751 1991 NM4	5.5	18.76	7.36	47	0.5	36°39'17" 49°42'05"	146	1.7 1.8	TYC 134000974	11.40	6 <sup>h</sup> 29 <sup>m</sup> 32.703 <sup>s</sup> 21°11'47.628"	33.5	97	147.6	-9.2	13.0	46.2	86.3	124	
2007/01/29 16:53:43	72 Feronia	86.1	12.69	1.09	251	9.7	36°13'58" 47°47'24"	181	0.0 96.9	UCAC2 36975156	12.09	6 <sup>h</sup> 42 <sup>m</sup> 05.343 <sup>s</sup> 14°40'26.731"	41.0	121	149.9	-24.2	19.0	59.8	86.8	20	
2007/01/29 17:43:51	109 Felicitas	89.4	13.48	1.12	76	2.2	35°21'31" 49°43'24"	241	9.7 93.9	UCAC2 31967064	12.84	23 <sup>h</sup> 46 <sup>m</sup> 58.951 <sup>s</sup> 0°23'58.018"	10.5	258	47.9	-32.2	90.0	65.3	87.1	24	
2007/01/29 19:50:27	14497 1995 DD	10.5	17.46	4.30	51	1.7	36°50'50" 49°45'59"	128	2.8 2.9	UCAC2 45631086	13.18	4 <sup>h</sup> 54 <sup>m</sup> 19.090 <sup>s</sup> 39°48'47.820"	67.4	254	125.5	-50.3	16.7	66.1	87.7	142	
2007/01/29 21:10:46	1545 Thernoe	18.7	14.89	1.66	172	5.0	36°51'07" 51°33'01"	14	0.7 10.2	UCAC2 41515055	13.49	6 <sup>h</sup> 18 <sup>m</sup> 36.682 <sup>s</sup> 27°31'43.649"	59.1	234	144.4	-57.2	4.8	56.8	88.1	73	
2007/01/29 22:40:14	19845 2000 SY319	10.5	17.10	4.41	60	1.1	36°01'38" 49°32'07"	198	2.6 2.8	UCAC2 44650547	12.71	6 <sup>h</sup> 57 <sup>m</sup> 55.067 <sup>s</sup> 36°49'41.832"	58.2	261	149.2	-56.3	14.7	43.6	88.5	151	

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 10		LinOccult 1.1.1			
			Asteroid			Nearest point			Star			Sun		Moon						
Date Time (UTC)	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt	Dist	Alt	Phase (%)	$\sigma_{km}$
2007/01/30 16:30:50	26391 VN9	5.5	17.71	6.17	35	0.9	36°12'45'' 50°21'28''	351	2.4	TYC 132000983	11.55	5 <sup>h</sup> 59 <sup>m</sup> 43.562 <sup>s</sup> 19°49'19.862''	48.4	123	139.5	-20.3	13.0	47.7	93.0	83
2007/01/30 19:36:36	17184 Carl- rogers	11.0	17.25	3.34	200	0.9	36°41'58'' 51°49'25''	8	0.7	UCAC2 32035004	13.96	9 <sup>h</sup> 59 <sup>m</sup> 15.106 <sup>s</sup> 0°44'43.565''	25.3	123	156.3	-48.4	52.1	67.6	93.7	106
2007/01/30 23:40:05	503 Evelyn	81.7	13.95	1.06	163	7.2	35°38'49'' 48°38'48''	196	0.0	UCAC2 29465850	13.41	14 <sup>h</sup> 01 <sup>m</sup> 15.227 <sup>s</sup> -6°53'11.891''	19.0	127	99.9	-50.6	106.1	42.5	94.6	24
2007/01/31 20:44:20	31217 BD15	6.6	16.85	4.89	126	0.6	35°49'11'' 51°08'27''	345	1.1	UCAC2 33221389	11.98	9 <sup>h</sup> 50 <sup>m</sup> 49.163 <sup>s</sup> 4°15'57.990''	38.0	141	161.2	-55.0	35.2	65.2	97.9	94
2007/01/31 22:20:30	30943 ED2	7.6	17.64	7.58	239	1.1	36°28'45'' 52°11'22''	3	0.4	TYC 242300215	10.06	6 <sup>h</sup> 01 <sup>m</sup> 56.020 <sup>s</sup> 32°20'04.421''	48.4	265	138.0	-56.8	26.2	59.2	98.1	128