

Occultations table

Observation point: VladimirNebotov
EMail: nebotov@ukr.net
Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')
Maximal Distance = 250.0
Maximal Mv = 14.00
Minimal Duration = 0.5s
Maximal Sun Elevation = 0.0
Minimal drop: 0.5
Minimal probability: 0.0
Minimal probability in nearest point: 0.5
Minimal star elevation: 0.0
Program: LinOccult 2.2.0 BETA
Author: Plekhanov Andrey andyplekhanov@gmail.com
Events number: 76

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 1		LinOccult 2.2.0 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 (%)	σ_{km}
2019/04/01 17:14:26	3966 Chered-nichenko	12.0	18.04	5.75	72	0.9	35°56'16'' 49°26'18''	200	1.9	UCAC2 41011753	12.29	7 ^h 14 ^m 30.655 ^s 26°11'01.478''	-11.7	213	95.2	-11.7	135.8	-46.9	12.1	241
2019/04/01 17:19:27	8573 Ivanka	10.0	16.72	4.93	165	0.8	36°55'36'' 51°28'15''	16	1.5	UCAC2 30203554	11.81	13 ^h 37 ^m 39.015 ^s -4°47'56.899''	-12.5	102	166.1	-12.5	126.7	-47.4	12.1	158
2019/04/01 19:56:52	29216 1991 VX5	9.5	17.16	5.09	112	1.1	36°27'25'' 51°02'37''	6	1.8	TYC 143900342	12.08	11 ^h 15 ^m 36.556 ^s 21°56'02.221''	-31.4	173	146.0	-31.4	164.7	-52.9	11.4	167
2019/04/02 18:11:53	20820 2000 UZ3	10.0	17.81	4.93	137	0.8	34°42'24'' 49°21'17''	236	1.5	UCAC2 28548842	12.89	10 ^h 37 ^m 23.379 ^s -9°10'00.282''	-19.6	158	147.9	-19.6	159.5	-44.8	6.5	207
2019/04/02 19:53:20	6906 John-mills	7.9	17.62	8.13	27	1.2	36°10'32'' 50°16'59''	343	1.9	TYC 197701135	9.49	10 ^h 37 ^m 21.957 ^s 24°34'30.915''	-30.7	193	136.9	-30.7	163.5	-50.0	6.1	167
2019/04/03 01:15:38	1063 Aquile-gia	18.3	15.75	4.19	67	1.2	36°39'39'' 50°35'51''	24	4.2	TYC 627401558	11.59	18 ^h 31 ^m 06.943 ^s -20°21'36.216''	-17.8	150	95.4	-17.8	69.8	-15.3	5.2	157
2019/04/03 01:15:38	1063 Aquile-gia	18.3	15.75	3.73	67	1.2	36°39'39'' 50°35'51''	24	4.2	UCAC2 23954785	12.06	18 ^h 31 ^m 06.943 ^s -20°21'36.216''	-17.8	150	95.4	-17.8	69.8	-15.3	5.2	157
2019/04/03 16:50:52	152519 2006 CT61	10.0	19.21	5.42	117	0.6	35°11'40'' 49°16'11''	222	1.0	UCAC2 26892774	13.80	12 ^h 31 ^m 43.231 ^s -13°54'34.241''	-7.6	116	170.3	-7.6	157.0	-26.1	2.8	373
2019/04/03 21:32:50	437 Rhodia	13.1	14.02	1.25	245	1.1	33°45'24'' 48°35'43''	228	0.9	UCAC2 25318072	13.18	12 ^h 53 ^m 07.995 ^s -17°22'45.254''	-34.8	178	167.9	-34.8	153.2	-44.3	2.2	145
2019/04/04 00:21:45	16154 Dabramo	11.0	17.83	4.18	167	4.9	38°33'18'' 50°26'02''	75	1.5	UCAC2 19688710	13.67	16 ^h 40 ^m 22.743 ^s -29°21'54.126''	-24.3	166	120.8	-24.3	105.4	-26.6	1.9	210
2019/04/04 16:25:59	3899 Wichterle	23.7	16.49	3.03	82	1.6	36°25'14'' 50°46'47''	7	4.2	UCAC2 32040833	13.53	12 ^h 31 ^m 54.698 ^s 0°36'53.065''	-3.5	103	171.8	-3.5	178.8	-12.6	0.6	210
2019/04/04 17:45:53	1347 Patria	32.4	16.16	3.43	46	1.8	36°09'59'' 50°27'06''	349	6.6	UCAC2 35367796	12.78	6 ^h 53 ^m 39.095 ^s 10°08'14.073''	-15.5	225	89.1	-15.5	95.0	-24.1	0.6	191
2019/04/04 17:59:34	6969 Santaro	6.9	16.03	4.42	177	0.7	37°01'17'' 51°34'04''	17	0.6	TYC 30701046	11.63	13 ^h 38 ^m 04.358 ^s 0°25'45.776''	-17.4	109	167.2	-17.4	164.1	-25.9	0.6	100
2019/04/05 01:33:46	1767 Lamp-land	12.0	17.67	4.64	166	0.6	37°22'22'' 48°43'57''	152	1.6	UCAC2 27559183	13.05	19 ^h 14 ^m 41.495 ^s -12°19'12.069''	-14.5	142	86.3	-14.5	83.7	-18.5	0.3	224
2019/04/05 03:02:30	869 Mellena	18.5	16.09	3.81	135	0.9	36°55'36'' 48°54'39''	160	3.3	UCAC2 26976605	12.31	18 ^h 58 ^m 59.568 ^s -13°54'45.069''	-1.0	170	90.3	-1.0	88.3	-4.9	0.2	154
2019/04/05 19:02:09	2584 Turkme-nia	11.8	15.46	2.74	87	1.3	35°48'35'' 49°19'57''	203	3.2	UCAC2 29841342	12.81	13 ^h 09 ^m 21.280 ^s -5°49'24.883''	-24.8	134	176.9	-24.8	175.9	-24.3	0.4	100
2019/04/05 21:56:49	66872 1999 VH50	7.2	18.27	7.36	254	0.6	32°47'36'' 49°41'57''	261	0.6	TYC 247200971	10.91	7 ^h 59 ^m 17.835 ^s 32°50'43.109''	-33.8	286	99.5	-33.8	94.4	-36.2	0.5	192
2019/04/06 18:53:36	526 Jena	41.5	15.49	3.17	166	2.0	37°14'51'' 51°24'34''	24	5.8	UCAC2 39648976	12.38	6 ^h 44 ^m 21.033 ^s 22°25'37.003''	-23.6	257	83.8	-23.6	67.5	-13.7	2.2	210
2019/04/09 16:16:49	51999 2001 UC22	5.8	19.03	8.53	161	0.9	35°27'50'' 51°23'58''	339	0.8	TYC 79700844	10.50	8 ^h 40 ^m 26.763 ^s 8°33'12.148''	-0.8	162	110.7	-0.8	60.0	40.1	18.6	211
2019/04/09 16:46:19	1141 Bohmia	11.6	17.98	4.02	239	0.6	35°32'23'' 47°57'14''	193	1.0	UCAC2 40339689	13.99	7 ^h 17 ^m 38.306 ^s 24°24'12.028''	-5.4	212	88.3	-5.4	37.6	35.8	18.7	174

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.		Table 1		Page 2		LinOccult 2.2.0 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 (%)	σ_{km}
2019/04/09 19:16:45	1812 Gil-gamesh	19.2	17.14	4.09	142	0.6	34°59'08" 49°05'32"	221	2.6	UCAC2 36589953	13.07	5 ^h 03 ^m 45.780 ^s 13°52'39.210"	12.3	277	57.2	-25.1	7.1	12.8	19.6	257
2019/04/09 22:32:24	27897 NF4	1996	19.43	8.22	248	0.8	33°52'48" 48°28'11"	224	0.5	TYC 137900508	11.21	8 ^h 31 ^m 36.879 ^s 16°04'34.286"	15.9	276	106.7	-31.2	52.6	-12.2	20.8	223
2019/04/09 22:58:43	3680 Sasha	8.7	17.03	6.28	39	0.5	35°45'44" 49°57'02"	254	2.3	TYC 191901693	10.75	7 ^h 39 ^m 52.337 ^s 27°22'48.187"	12.4	298	92.6	-29.7	39.3	-14.5	20.9	146
2019/04/10 17:08:49	1426 Riviera	15.4	16.31	3.22	151	0.8	35°06'19" 48°55'31"	214	2.2	UCAC2 41353904	13.15	7 ^h 01 ^m 52.772 ^s 27°24'28.690"	59.8	232	83.5	-8.5	21.1	42.2	27.9	216
2019/04/11 02:48:10	436 Patricia	59.5	15.64	2.46	259	1.3	39°05'53" 48°36'53"	128	5.3	UCAC2 36933498	13.30	1 ^h 07 ^m 24.083 ^s 14°52'44.114"	5.4	73	7.2	-1.3	68.5	-18.3	31.9	328
2019/04/11 16:48:43	52540 TJ48	1996	18.82	8.22	222	1.0	38°12'11" 48°29'47"	142	0.7	TYC 197701304	10.60	10 ^h 44 ^m 27.626 ^s 23°13'07.151"	53.0	124	130.9	-5.3	58.0	53.4	38.0	208
2019/04/11 17:50:33	24383 AC170	2000	17.60	7.68	42	0.6	36°15'45" 49°40'24"	182	1.6	TYC 145600997	9.92	13 ^h 09 ^m 01.461 ^s 20°03'05.004"	38.4	105	151.5	-14.2	90.3	45.1	38.4	149
2019/04/11 21:31:02	5040 Rabinowitz	8.7	18.41	7.55	94	0.5	37°20'25" 49°33'00"	126	1.5	TYC 18201429	10.86	7 ^h 33 ^m 28.560 ^s 3°42'44.587"	5.8	269	93.0	-31.8	22.1	11.7	40.1	218
2019/04/11 22:03:53	2203 van Rhijn	15.8	17.48	4.33	223	0.7	34°31'58" 48°23'56"	214	1.7	UCAC2 40495649	13.17	6 ^h 33 ^m 32.632 ^s 24°40'48.114"	7.6	300	76.2	-31.4	3.6	7.0	40.4	254
2019/04/12 00:21:36	2391 Tomita	10.5	16.89	4.14	228	2.5	38°51'38" 51°17'31"	53	0.9	UCAC2 25104761	12.78	16 ^h 23 ^m 42.171 ^s -17°34'00.254"	22.4	176	134.4	-21.4	145.5	-9.5	41.3	151
2019/04/12 16:27:07	11004 Stenmark	14.5	18.18	5.05	25	0.5	35°59'06" 49°55'59"	239	1.9	UCAC2 44976944	13.14	5 ^h 40 ^m 25.565 ^s 37°50'53.360"	60.2	261	64.7	-1.7	28.5	60.5	48.9	302
2019/04/12 18:01:45	16030 FS3	1999	17.72	7.07	193	0.5	37°22'18" 51°38'12"	24	0.9	TYC 193200890	10.65	8 ^h 15 ^m 46.629 ^s 25°30'55.872"	59.7	225	98.1	-15.4	10.4	51.2	49.6	159
2019/04/12 23:14:25	178268 AH32	2008	20.08	8.48	143	0.6	37°36'40" 51°00'49"	41	0.8	TYC 87400728	11.60	12 ^h 25 ^m 32.761 ^s 8°43'56.232"	37.5	232	157.3	-27.5	68.0	4.8	52.1	402
2019/04/14 22:06:02	52567 HN2	1997	19.18	5.51	250	0.9	35°56'55" 47°49'02"	186	1.2	UCAC2 39673400	13.68	12 ^h 09 ^m 57.889 ^s 22°28'32.591"	54.9	229	142.4	-30.3	35.1	28.6	73.6	384
2019/04/15 01:22:36	4893 Seitter	11.5	17.55	4.66	207	1.0	34°03'45" 51°15'26"	310	1.3	UCAC2 29139927	12.91	18 ^h 42 ^m 09.953 ^s -7°52'37.749"	29.5	156	103.2	-12.6	133.3	-1.4	74.9	200
2019/04/15 18:25:41	111 Ate	134.6	11.72	0.98	201	20.1	38°02'29" 51°28'13"	38	12.7	UCAC2 30199170	11.31	11 ^h 33 ^m 09.488 ^s -4°34'01.798"	33.6	160	149.7	-17.6	23.4	53.1	81.7	126
2019/04/15 20:43:33	2016 Heine-mann	22.1	17.60	4.04	241	2.3	34°34'46" 48°11'36"	211	2.2	UCAC2 33756070	13.59	11 ^h 10 ^m 49.267 ^s 5°43'46.571"	41.8	212	141.1	-29.3	10.8	44.5	82.7	233
2019/04/15 21:04:21	939 Isberga	17.8	17.38	4.21	77	0.6	35°51'03" 50°40'58"	336	2.9	UCAC2 40480915	13.19	5 ^h 45 ^m 27.825 ^s 24°51'19.107"	7.2	301	61.4	-30.0	69.5	42.1	82.8	228
2019/04/15 21:58:33	8316 Wolkenstein	14.5	17.86	4.43	84	0.6	35°08'45" 49°51'19"	255	2.1	UCAC2 39828046	13.45	6 ^h 44 ^m 11.241 ^s 22°30'56.543"	5.9	298	74.8	-30.1	56.8	34.7	83.1	267
2019/04/16 16:46:56	1813 Imhotep	24.7	17.53	4.78	99	0.8	35°55'27" 49°11'32"	195	3.7	UCAC2 42378669	12.76	5 ^h 43 ^m 08.344 ^s 30°07'16.055"	50.0	258	60.4	-3.7	81.6	37.8	89.4	243

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 3		LinOccult 2.2.0 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 (%)	σ_{km}
2019/04/16 20:16:37	548 Kressida	18.5	15.53	4.40	161	0.8	35°05'32" 48°49'52"	212	2.8	TYC	11.15	7 ^h 28 ^m 37.844 ^s 24°01'17.426"	29.0	274	83.9	-27.7	60.2	46.7	90.5	165
2019/04/16 22:01:08	26229 1998 OG7	8.3	16.78	4.81	153	0.7	34°34'24" 49°14'13"	234	1.3	UCAC2	11.99	13 ^h 27 ^m 33.549 ^s -10°55'07.550"	28.6	191	177.4	-29.7	33.3	37.3	91.0	160
2019/04/17 23:20:49	12395 Rich-nelson	12.0	16.67	5.44	23	0.9	35°58'55" 50°06'06"	286	2.7	TYC	11.24	13 ^h 46 ^m 20.919 ^s -23°29'45.662"	13.1	204	166.9	-25.2	30.8	29.1	96.7	178
2019/04/18 19:00:49	4176 Sudek	30.0	17.57	4.45	253	0.8	35°02'49" 47°55'40"	201	2.9	UCAC2	13.14	4 ^h 59 ^m 32.978 ^s 21°53'50.471"	14.6	287	47.8	-20.8	123.0	30.8	99.2	262
2019/04/18 19:19:07	1004 Belopol-skya	71.6	16.37	2.81	137	2.5	37°21'51" 51°03'53"	34	8.6	UCAC2	13.65	6 ^h 02 ^m 12.745 ^s 21°25'53.044"	21.2	278	62.3	-22.6	108.8	32.3	99.2	300
2019/04/18 20:17:58	969 Leocadia	19.5	17.70	4.18	256	1.0	38°33'23" 51°50'51"	39	1.7	UCAC2	13.55	7 ^h 43 ^m 38.264 ^s 20°06'44.337"	27.1	270	86.0	-27.1	85.7	35.9	99.3	201
2019/04/19 00:01:24	31828 1999 VU199	10.0	17.09	3.24	76	0.8	36°26'23" 49°22'18"	172	2.2	UCAC2	13.90	19 ^h 04 ^m 22.306 ^s -8°32'23.957"	20.8	134	101.6	-21.1	83.3	25.6	99.5	165
2019/04/19 23:56:55	21904 1999 VV12	15.8	16.76	5.75	110	2.4	37°34'29" 50°35'28"	57	2.8	TYC	11.02	18 ^h 06 ^m 21.908 ^s -23°45'08.397"	12.2	154	117.9	-21.2	55.0	26.3	99.4	191
2019/04/20 00:25:49	1433 Ger-antina	15.8	16.19	3.13	157	1.1	35°49'49" 51°25'32"	348	2.4	UCAC2	13.13	13 ^h 32 ^m 11.371 ^s -21°33'23.329"	7.1	224	168.9	-18.2	17.6	23.7	99.4	179
2019/04/20 22:28:39	4381 Ueno-hara	20.4	16.52	2.85	202	3.6	37°40'49" 51°38'10"	29	2.4	UCAC2	13.76	18 ^h 30 ^m 56.265 ^s -16°32'58.426"	7.5	127	112.7	-27.4	47.5	26.5	97.0	194
2019/04/21 20:24:42	2653 Prin-cipia	20.5	16.78	4.76	26	1.0	36°05'44" 49°51'11"	212	4.2	UCAC2	12.03	7 ^h 47 ^m 47.546 ^s 17°03'08.494"	22.5	270	84.6	-26.5	126.6	10.6	92.8	193
2019/04/21 20:24:42	2653 Prin-cipia	20.5	16.78	4.29	26	1.0	36°05'44" 49°51'11"	212	4.2	TYC	12.51	7 ^h 47 ^m 47.546 ^s 17°03'08.494"	22.5	270	84.6	-26.5	126.6	10.6	92.8	193
2019/04/21 23:18:14	22870 Rosing	10.5	17.42	6.66	35	1.4	36°16'36" 50°21'28"	359	2.3	UCAC2	10.76	11 ^h 20 ^m 17.524 ^s 0°53'56.502"	16.2	251	139.1	-24.0	73.7	22.5	92.1	182
2019/04/22 01:54:00	176 Iduna	121.0	13.73	2.97	261	2.7	37°35'17" 47°51'60"	159	11.1	TYC	10.83	0 ^h 17 ^m 40.254 ^s 9°04'10.773"	7.1	84	24.6	-6.0	121.6	17.3	91.4	283
2019/04/22 02:09:51	13330 Don-davis	8.3	18.06	5.24	105	0.7	36°35'33" 49°07'39"	168	1.5	TYC	12.83	19 ^h 09 ^m 42.196 ^s -22°38'41.649"	17.0	171	105.4	-3.7	40.7	15.9	91.4	190
2019/04/22 17:07:09	1834 Palach	18.2	17.42	4.29	196	0.7	37°28'17" 51°38'13"	26	2.0	UCAC2	13.15	6 ^h 38 ^m 30.714 ^s 19°01'33.856"	43.5	245	67.2	-5.3	154.7	-27.0	87.3	279
2019/04/22 20:00:15	4410 Ka-muimintara	13.2	16.93	7.01	112	1.2	35°17'00" 49°16'52"	220	2.1	TYC	9.92	15 ^h 42 ^m 13.169 ^s -21°18'26.805"	6.8	135	153.9	-24.7	17.7	-1.5	86.5	226
2019/04/23 00:12:43	20734 1999 XA169	11.0	17.00	5.24	242	1.0	39°10'33" 51°12'53"	58	0.9	UCAC2	11.77	18 ^h 38 ^m 00.852 ^s -26°44'12.993"	9.0	154	113.8	-18.6	21.7	19.8	85.1	165
2019/04/23 01:39:04	975 Persever-antia	26.5	16.17	4.23	195	1.0	36°14'47" 48°18'00"	181	3.1	UCAC2	11.96	21 ^h 45 ^m 57.058 ^s -15°59'16.889"	8.5	128	69.1	-7.8	65.1	18.8	84.7	256
2019/04/23 19:23:22	1841 Masaryk	40.6	15.39	3.50	63	3.5	36°00'06" 49°30'50"	199	8.3	TYC	11.94	14 ^h 47 ^m 39.747 ^s -15°50'23.164"	14.0	137	168.8	-21.5	43.6	-15.7	78.9	183

Longitude = 36.287(36°17'11.5'') Latitude = 50.047(50°02'50.8'')										Sorted by date/time.			Table 1		Page 4		LinOccult 2.2.0 BETA			
Date Time (UTC)	Asteroid			Nearest point			Star				Sun			Moon			σ_{km}			
	Number Name	Diam (km)	Mag	Drop	Dist (km)	Durat (sec)	Longitude Latitude	Az	Prob (%)	Catalog Number	Mag	RA Dec	Alt	Az	Dist	Alt		Phase (%)		
2019/04/23 22:02:06	2692 Chkalov	13.2	15.08	1.43	64	2.6	35°34'42" 50°24'31"	308	3.8 4.4	UCAC2 29099752	13.99	11 ^h 19 ^m 10.266 ^s -7°46'16.140"	18.5	232	139.2	-27.2	95.7	5.6	78.1	121
2019/04/23 22:21:42	3509 Sanshui	13.2	16.64	2.80	14	1.5	36°06'44" 49°59'57"	247	3.2 3.2	UCAC2 27158990	13.92	18 ^h 32 ^m 25.373 ^s -13°00'49.797"	11.0	126	114.8	-26.6	11.9	7.7	77.9	162
2019/04/24 18:31:33	337788 2001 UE198	8.3	20.09	8.36	152	0.6	38°14'31" 50°36'06"	66	0.7 0.7	TYC 551001320	11.73	11 ^h 39 ^m 47.844 ^s -9°44'51.146"	29.9	171	143.8	-15.9	100.6	-32.2	70.5	443
2019/04/25 21:29:46	44521 1998 XZ93	5.8	19.43	7.44	193	1.5	37°45'08" 51°30'27"	33	0.7 1.0	TYC 684100977	11.99	17 ^h 55 ^m 17.531 ^s -22°55'17.100"	1.7	130	126.2	-26.9	24.6	-12.3	60.1	220
2019/04/26 01:29:59	5594 Jim- miller	14.5	17.58	4.40	21	0.7	36°16'22" 49°51'28"	183	2.4 2.4	UCAC2 26578610	13.20	20 ^h 51 ^m 19.792 ^s -14°31'38.862"	16.5	139	84.1	-8.2	15.8	15.3	58.4	239
2019/04/26 17:43:16	1547 Nele	23.4	15.32	2.63	158	0.7	35°01'10" 48°53'09"	215	3.4 4.5	UCAC2 39123050	12.80	6 ^h 39 ^m 28.572 ^s 20°35'42.104"	37.0	258	63.3	-9.3	155.1	-52.1	52.0	206
2019/04/26 21:21:07	41680 2000 UY8	7.9	16.75	5.30	211	0.9	36°05'11" 51°56'28"	356	0.7 2.4	TYC 29600868	11.46	12 ^h 46 ^m 57.367 ^s 6°08'35.273"	43.4	207	150.5	-26.5	117.1	-19.8	50.5	130
2019/04/27 00:48:44	6861 1991 FA3	11.5	16.68	3.51	196	1.0	36°03'57" 51°48'03"	355	1.4 2.7	UCAC2 29463362	13.21	13 ^h 00 ^m 30.109 ^s -6°53'32.134"	8.5	249	160.4	-13.2	110.8	8.9	49.1	170
2019/04/27 02:06:22	10142 Sakka	13.2	17.09	5.62	173	1.2	35°13'02" 51°27'04"	334	1.8 2.8	TYC 620600307	11.48	16 ^h 22 ^m 14.292 ^s -17°32'52.365"	15.0	217	149.3	-2.7	61.5	16.1	48.6	191
2019/04/28 01:27:51	2832 Lada	11.5	17.45	4.22	107	0.6	36°36'57" 49°06'21"	167	2.0 2.3	UCAC2 26793273	13.25	20 ^h 46 ^m 41.512 ^s -14°11'33.931"	17.8	142	87.0	-7.9	11.1	10.3	39.5	197
2019/04/29 00:13:41	36116 1999 RY133	5.8	19.05	6.72	43	0.9	35°42'27" 49°56'35"	254	1.1 1.1	TYC 567600121	12.33	18 ^h 14 ^m 22.110 ^s -8°55'31.521"	29.3	160	123.2	-16.7	59.1	-3.1	31.0	201
2019/04/29 01:58:42	1866 Sisyphus	11.0	14.58	2.55	57	0.7	35°34'27" 50°16'23"	296	4.5 6.2	UCAC2 20944411	12.14	18 ^h 32 ^m 16.424 ^s -26°48'39.451"	13.1	184	121.0	-3.3	54.3	11.5	30.3	70
2019/04/29 17:11:41	3981 Stodola	22.6	17.02	6.18	15	1.5	36°28'05" 50°06'40"	61	4.3 4.3	UCAC2 27305611	10.84	14 ^h 35 ^m 39.798 ^s -12°57'14.938"	4.0	116	177.2	-4.3	118.5	-50.8	25.0	209
2019/04/29 21:35:39	72877 2001 KL2	5.2	19.35	7.58	225	3.0	37°40'22" 51°52'27"	26	0.6 1.0	UCAC2 26528684	11.77	18 ^h 35 ^m 49.584 ^s -14°39'53.390"	6.1	122	119.9	-25.6	63.9	-31.5	23.2	211
2019/04/29 22:35:33	1695 Walbeck	19.6	17.04	3.87	170	1.6	38°14'22" 50°56'33"	54	2.8 4.3	UCAC2 26907993	13.20	16 ^h 10 ^m 25.181 ^s -13°41'00.933"	25.8	169	154.8	-24.1	98.9	-22.3	23.2	183
2019/04/30 20:31:00	3495 Colch- agua	15.1	18.03	6.21	151	0.5	34°32'31" 49°17'20"	236	1.7 1.9	UCAC2 39826062	11.82	6 ^h 38 ^m 46.465 ^s 22°48'48.308"	9.5	294	59.0	-24.0	106.1	-41.4	16.2	323

