Lacaille I,II,III Observing List
Evening of 2016 Jul 2 at Karoo Starparty

Sunset 17:43, Twilight ends 19:02, Twilight begins 05:58, Sunrise 07:17, Moon rise 05:56, Moon set 16:04
Completely dark from 19:02 to 05:56. New Moon. All times local (GMT+2).

Listing All Classes visible above the perfect horizon and in complete darkness after 18:27 and before 05:57.

Cls	Primary ID	Alternate ID	Con	Mag	Size	RA 2000	Dec 2000	Distance	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty
Open	Collinder 140	OCL 679	CMa	4.2	60.0'	07h24m27.0s	-31°51'00"	1300 ly	18:50	19:06	19:42	19	171	29	easy
Open	NGC 2477	Collinder 165	Pup	5.7	15.0'	07h52m10.0s	-38°31'48"	4000 ly	18:49	19:09	20:21	19	171	28	obvious
Open	NGC 2546	Collinder 178	Pup	5.2	70.0'	08h12m15.0s	-37°35'42"	3000 ly	18:51	19:09	20:10	20	171	28	detectable
Open	NGC 2547	Collinder 177	Vel	5.0	25.0'	08h10m09.0s	-49°12'54"	1500 ly	18:48	19:10	21:05	20	187	28	obvious
Star	GC 15623		Cen	6.6		11h22m15.6s	-58°23'11"	460 ly	18:25	19:11	22:30	25	198	38	obvious
Open	Collinder 203	Trumpler 10	Vel	5.0	29.0'	08h47m54.0s	-42°27'00"	1400 ly	18:49	19:11	19:33	20	187	28	obvious
Open	NGC 2516	Collinder 172	Car	3.3	30.0'	07h58m04.0s	-60°45'12"	1300 ly	18:46	19:11	22:18	24	200	30	obvious
Open	IC 2395	Collinder 192	Vel	4.6	18.6'	08h42m30.0s	-48°06'48"	2600 ly	18:46	19:11	19:35	20	187	28	obvious
Open	IC 2391	Collinder 191	Vel	2.6	60.0'	08h40m32.0s	-53°02'00"	570 ly	18:45	19:12	19:41	25	200	28	obvious
Open	IC 2488	OCL 789	Vel	7.4	18.0'	09h27m38.0s	-57°00'00"	3700 ly	18:50	19:13	20:33	25	199	39	easy
Open	NGC 3228	Collinder 218	Vel	6.4	5.0'	10h21m22.0s	-51°43'42"	1800 ly	18:43	19:14	21:19	20	199	39	obvious
Open	NGC 3293	Collinder 224	Car	6.2	6.0'	10h35m51.0s	-58°13'48"	7600 ly	18:44	19:15	21:44	25	199	38	obvious
Open	IC 2602	Collinder 229	Car	1.6	100.0'	10h42m58.0s	-64°24'00"	520 ly	18:45	19:16	22:00	25	210	40	obvious
Neb	NGC 3372	Eta Carinae Nebula	Car	3.0	120.0'	10h45m06.0s	-59°52'00"		18:50	19:16	21:54	25	199	38	detectable
Open	NGC 3766	Collinder 248	Cen	4.6	9.3'	11h36m14.0s	-61°36'30"	7200 ly	18:42	19:17	22:48	25	198	40	obvious
Open	NGC 3532	Collinder 238	Car	3.4	50.0'	11h05m39.0s	-58°45'12"	1600 ly	18:46	19:17	22:14	25	198	38	obvious
Open	NGC 4755	Jewel Box	Cru	5.2	10.0'	12h53m39.0s	-60°21'42"	6400 ly	18:43	19:21	00:04	25	198	50	obvious
Glob	NGC 4833		Mus	8.4	12.7'	12h59m34.0s	-70°52'30"	16000 ly	18:52	19:23	00:24	25	209	50	detectable
Glob	NGC 5139	Omega Centauri	Cen	3.9	55.0'	13h26m46.0s	-47°28'36"	16000 ly	18:45	19:26	00:19	21	184	49	obvious
Gal	NGC 5236	M 83	Hya	7.8	14.1'x 13.2'	13h37m00.8s	-29°51'56"	15.0 Mly	18:45	19:29	00:02	21	167	46	easy
Open	NGC 5281	Melotte 120	Cen	8.2	7.0'	13h46m35.0s	-62°55'00"	3600 ly	18:47	19:33	01:01	25	208	50	easy
Open	NGC 5662	Collinder 284	Cen	7.7	29.0'	14h35m37.0s	-56°37'06"	2200 ly	18:52	20:18	01:17	25	197	48	detectable

Cls	Primary ID	Alternate ID	Con	Mag	Size	RA 2000	Dec 2000	Distance	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty
DVar	GC 20642		Cir	7.5		15h22m36.6s	-59°10'00"	280 ly	18:26	21:05	02:32	25	196	59	obvious
Open	NGC 6025	Collinder 296	TrA	6.0	14.0'	16h03m17.0s	-60°25'54"	2500 ly	18:46	21:46	03:13	26	196	60	obvious
Glob	NGC 6121	M 4	Sco	5.4	36.0'	16h23m36.0s	-26°31'30"	9800 ly	18:51	22:05	02:42	22	147	57	easy
Open	NGC 6124	Collinder 301	Sco	6.3	39.0'	16h25m20.0s	-40°39'12"	1700 ly	18:51	22:07	03:08	22	182	59	easy
Open	NGC 6231	Collinder 315	Sco	3.4	14.0'	16h54m10.0s	-41°49'30"	4100 ly	18:43	22:36	03:37	22	181	58	obvious
Open	NGC 6242	Collinder 317	Sco	8.2	9.0'	16h55m33.0s	-39°27'42"	3700 ly	18:49	22:37	03:34	22	164	58	easy
Glob	NGC 6397		Ara	5.3	31.0'	17h40m42.0s	-53°40'24"	6500 ly	18:52	23:23	04:40	26	195	58	easy
Open	NGC 6405	M 6	Sco	4.6	20.0'	17h40m20.0s	-32°15'12"	1600 ly	18:48	23:22	04:08	22	164	58	obvious
Open	NGC 6475	M 7	Sco	3.3	80.0'	17h53m51.0s	-34°47'36"	980 ly	18:51	23:35	04:26	22	164	58	obvious
Neb	NGC 6523	NGC 6526	Sgr	5.0	17.0'x 15.0'	18h04m02.0s	-24°23'14"		19:13	23:46	04:18	22	145	67	obvious
Glob	NGC 6637	M 69	Sgr	7.7	9.8'	18h31m23.0s	-32°20'54"	23000 ly	19:27	00:13	04:59	22	163	69	easy
Glob	NGC 6656	M 22	Sgr	5.2	32.0'	18h36m24.0s	-23°54'12"	9800 ly	19:45	00:18	04:49	22	145	67	easy
Star	GC 26758		Pav	8.3		19h26m44.7s	-71°27'58"	700 ly	19:25	01:09	06:30	26	206	70	obvious
Glob	NGC 6809	M 55	Sgr	6.3	19.0'	19h40m00.0s	-30°57'42"	20000 ly	20:36	01:19	06:05	22	162	68	easy
Star	GC 30102		Ind	8.2		21h31m00.4s	-56°53'05"	190 ly	21:49	03:12	06:32	26	193	79	obvious
Glob	NGC 104	47 Tucanae	Tuc	4.0	50.0'	00h24m05.0s	-72°04'54"	20000 ly	00:20	05:34	06:12	24	204	10	easy
Neb	NGC 2070	Tarantula Nebula	Dor	8.3	5.0'	05h38m36.0s	-69°06'00"		05:37	05:47	06:15	24	212	20	obvious
Star	GC 4887		Hor	8.1		04h02m58.3s	-44°23'33"	220 ly	04:37	05:53	06:30	19	189	19	obvious
Star	GC 6201		Pic	7.2		05h03m15.8s	-49°29'32"	640 ly	05:30	05:55	06:32	19	189	18	obvious