

Southern Skies Binocular list Observing List

Evening of 2012 Mar 24 at Karoo Starparty

Sunset 18:37, Twilight ends 19:51, Twilight begins 05:13, Sunrise 06:27, Moon rise 08:51, Moon set 19:26
 Completely dark from 19:51 to 05:13. New Moon. All times local (GMT+2).

Listing All Classes visible above the perfect horizon and in complete darkness after 19:53 and before 05:12.

Cls	Primary ID	Alternate ID	Con	Mag	Size	Distance	RA 2000	Dec 2000	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty	Optimum EP
Glob	NGC 6362	Collinder 313	Ara	8.1	15.0'	23000 ly	17h31m55.0s	-67°02'54"	02:46	05:03	05:25	26	207	60	challenging	
Open	NGC 6208		Ara	9.5	18.0'	3100 ly	16h49m28.0s	-53°43'42"	23:46	04:56	05:35	26	196	58	not visible	
Glob	NGC 6397	Collinder 327	Ara	5.3	31.0'	6500 ly	17h40m42.0s	-53°40'24"	01:14	05:05	05:32	26	195	58	detectable	
Open	IC 4651		Ara	8.0	10.0'	2900 ly	17h24m49.0s	-49°56'00"	01:30	05:04	05:32	22	181	58	detectable	
Glob	NGC 6352		Ara	7.8	9.0'	64000 ly	17h25m29.0s	-48°25'24"	01:35	05:04	05:32	22	181	58	detectable	
Open	Harvard 13	OCL 986	Ara		5.0'		17h03m51.0s	-48°05'00"	00:09	05:01	05:38	22	181	58	unknown	
Open	Collinder 227	Melotte 101	Car	8.4	15.0'	6500 ly	10h42m12.0s	-65°06'00"	19:51	22:57	02:10	25	210	40	challenging	
Glob	NGC 2808		Car	6.2	14.0'	26000 ly	09h12m03.0s	-64°51'48"	19:30	21:27	02:58	25	210	40	detectable	
Open	IC 2602	Collinder 229	Car	1.6	100.0'	520 ly	10h42m58.0s	-64°24'00"	19:27	22:58	04:31	25	210	40	obvious	
Open	Collinder 246	Melotte 105	Car	9.4	5.0'	7200 ly	11h19m42.0s	-63°29'00"	19:55	23:35	03:17	25	209	40	challenging	
Open	IC 2714	Collinder 245	Car	8.2	14.0'	4000 ly	11h17m27.0s	-62°44'00"	19:56	23:32	03:11	25	209	40	challenging	
Open	NGC 2516	Collinder 172	Car	3.3	30.0'	1300 ly	07h58m04.0s	-60°45'12"	19:26	20:16	01:41	24	200	30	obvious	
Open	NGC 3114	Collinder 215	Car	4.5	35.0'	3000 ly	10h02m36.0s	-60°07'12"	19:30	22:18	03:45	25	199	40	easy	
Neb	NGC 3372	Eta Carinae Nebula	Car	3.0	120.0'		10h45m06.0s	-59°52'00"	19:31	23:00	04:27	25	199	38	easy	
Open	NGC 3532	Collinder 238	Car	3.4	50.0'	1600 ly	11h05m39.0s	-58°45'12"	19:29	23:21	04:46	25	198	38	easy	
Open	NGC 3293	Collinder 224	Car	6.2	6.0'	7600 ly	10h35m51.0s	-58°13'48"	19:28	22:51	04:14	25	199	38	easy	
Open	NGC 5316	Collinder 279	Cen	8.8	14.0'	4000 ly	13h53m57.0s	-61°52'06"	23:38	02:09	04:40	25	197	50	very challenging	
Open	NGC 3766	Collinder 248	Cen	4.6	9.3'	7200 ly	11h36m14.0s	-61°36'30"	19:26	23:51	05:20	25	198	40	obvious	
Open	NGC 5617	Collinder 282	Cen	8.5	10.0'	6500 ly	14h29m44.0s	-60°42'42"	22:55	02:45	05:27	25	197	50	difficult	
Open	NGC 4852	Collinder 266	Cen	8.9	7.0'	2200 ly	13h00m09.0s	-59°36'48"	21:20	01:16	05:09	25	197	49	difficult	
Open	NGC 5662	Collinder 284	Cen	7.7	29.0'	2200 ly	14h35m37.0s	-56°37'06"	00:25	02:51	05:10	25	197	48	very challenging	
Glob	NGC 5286		Cen	7.4	11.0'	39000 ly	13h46m27.0s	-51°22'24"	21:50	02:02	05:27	21	183	48	detectable	
Open	NGC 5460	Collinder 280	Cen	6.1	35.0'	2200 ly	14h07m27.0s	-48°20'36"	22:22	02:23	05:27	21	183	48	detectable	
Glob	NGC 5139	Omega Centauri	Cen	3.9	55.0'	16000 ly	13h26m46.0s	-47°28'36"	20:56	01:42	05:30	21	184	49	easy	
Gal	NGC 5128	Centaurus A	Cen	7.8	27.5'x 18.2'	12.0 Mly	13h25m27.7s	-43°01'07"	21:57	01:41	05:17	21	184	49	detectable	
Open	NGC 5823	Melotte 131	Cir	8.6	12.0'	3900 ly	15h05m30.0s	-55°36'12"	00:08	03:20	05:25	25	196	59	challenging	
Glob	NGC 1851		Col	7.1	12.0'	55000 ly	05h14m06.0s	-40°02'48"	19:32	19:53	22:00	19	173	18	detectable	
Glob	NGC 6541		CrA	6.3	15.0'	13000 ly	18h08m02.0s	-43°42'54"	01:47	05:08	05:34	22	181	69	detectable	
Dark	Coalsack	DC 300.7-001.0	Cru	6.0	16.0'		12h31m19.0s	-63°44'36"	-	-	-	25	209	50	not visible	
Open	NGC 4052	Collinder 251	Cru	8.8	9.0'	3900 ly	12h01m02.0s	-63°13'30"	20:34	00:17	03:57	25	209	50	challenging	
Open	NGC 4609	Collinder 263	Cru	4.5	4.0'	4000 ly	12h42m18.0s	-62°59'42"	19:27	00:58	05:38	25	209	50	obvious	
Open	NGC 4349	Collinder 255	Cru	8.0	5.0'	7100 ly	12h24m08.0s	-61°52'18"	19:40	00:39	05:27	25	198	50	detectable	
Open	NGC 4103	Collinder 252	Cru	7.4	6.0'	5300 ly	12h06m40.0s	-61°15'00"	19:34	00:22	05:27	25	198	50	easy	
Open	Collinder 258	Harvard 5	Cru	8.8	5.0'	3900 ly	12h27m16.0s	-60°46'44"	20:17	00:42	05:08	25	198	50	detectable	
Open	NGC 4755	Jewel Box	Cru	5.2	10.0'	6400 ly	12h53m39.0s	-60°21'42"	19:42	01:09	05:36	25	198	50	obvious	

Cls	Primary ID	Alternate ID	Con	Mag	Size	Distance	RA 2000	Dec 2000	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty	Optimum EP
Open	NGC 4337	Collinder 254	Cru	9.8	4.0'	1600 ly	12h24m04.0s	-58°07'24"	21:27	00:39	03:51	25	198	49	challenging	
Gal	Large Magellanic Cl	ESO 56 115	Dor	0.8	10.8"x 9.2"	200000 ly	05h23m34.6s	-69°45'22"	19:29	19:57	23:18	24	212	20	easy	
Neb	NGC 2070	Tarantula Nebula	Dor	8.3	5.0'		05h38m36.0s	-69°06'00"	19:29	19:57	23:33	24	212	20	easy	
Glob	NGC 1261		Hor	8.3	6.8'	95000 ly	03h12m16.0s	-55°13'00"	19:35	19:51	20:48	24	202	19	difficult	
Open	NGC 5822	Collinder 289	Lup	6.5	35.0'	3000 ly	15h04m21.0s	-54°23'48"	23:33	03:19	05:29	25	196	59	difficult	
Glob	NGC 4833		Mus	8.4	12.7'	16000 ly	12h59m34.0s	-70°52'30"	22:20	01:15	04:10	25	209	50	very challenging	
Open	Collinder 261	Harvard 6	Mus	10.7	9.0'	7100 ly	12h37m57.0s	-68°22'00"	19:34	00:53	05:32	25	209	50	not visible	
Open	NGC 4815	Collinder 265	Mus	10.4	5.0'	10000 ly	12h57m59.0s	-64°57'36"	19:41	01:13	05:33	25	209	50	very challenging	
Open	NGC 4463	Collinder 260	Mus	8.2	3.5'	3400 ly	12h29m56.0s	-64°47'24"	19:39	00:46	05:28	25	209	50	detectable	
Open	NGC 6087	Collinder 300	Nor	6.0	14.0'	2900 ly	16h18m50.0s	-57°56'06"	23:10	04:33	05:36	26	196	59	easy	
Open	Collinder 299	Harvard 10	Nor		25.0'	4300 ly	16h18m48.0s	-54°56'00"	-	-	-	26	196	59	unknown	
Open	NGC 5925	Collinder 291	Nor	8.4	20.0'		15h27m26.0s	-54°31'42"	22:23	03:42	05:36	25	196	59	very challenging	
Open	NGC 6067	Collinder 298	Nor	6.5	14.0'	4600 ly	16h13m11.0s	-54°13'06"	23:22	04:28	05:35	26	196	59	detectable	
Open	NGC 6152	Collinder 304	Nor	8.1	25.0'	3400 ly	16h32m45.0s	-52°38'36"	23:31	04:47	05:36	26	196	58	very challenging	
Open	NGC 6167	Harvard 11	Nor	6.6	7.0'	3600 ly	16h34m34.0s	-49°46'18"	23:38	04:48	05:38	22	182	58	easy	
Open	NGC 6134	Collinder 303	Nor	8.8	6.0'	3000 ly	16h27m46.0s	-49°09'06"	00:47	04:42	05:32	22	182	59	difficult	
Glob	NGC 6752	Pavo Globular	Pav	5.3	29.0'	20000 ly	19h10m52.0s	-59°58'54"	02:06	05:09	05:32	26	194	69	detectable	
Open	NGC 2477	Collinder 165	Pup	5.7	15.0'	4000 ly	07h52m10.0s	-38°31'48"	19:27	20:11	01:03	19	171	28	easy	
Open	NGC 2451	Collinder 161	Pup	3.7	45.0'	720 ly	07h45m23.0s	-37°57'21"	19:27	20:07	00:57	19	171	28	easy	
Open	NGC 2546	Collinder 178	Pup	5.2	70.0'	3000 ly	08h12m15.0s	-37°35'42"	19:33	20:28	00:03	20	171	28	detectable	
Open	NGC 2627	Collinder 188	Pyx	8.4	8.0'	6500 ly	08h37m15.0s	-29°57'18"	19:31	20:53	00:31	20	171	26	detectable	
Open	NGC 6231	Collinder 315	Sco	3.4	14.0'	4100 ly	16h54m10.0s	-41°49'30"	00:08	04:59	05:41	22	181	58	obvious	
Open	NGC 6124	Collinder 301	Sco	6.3	39.0'	1700 ly	16h25m20.0s	-40°39'12"	01:09	04:40	05:31	22	182	59	difficult	
Glob	NGC 6584		Tel	7.9	6.6'	42000 ly	18h18m38.0s	-52°12'54"	01:56	05:08	05:33	26	195	69	detectable	
Open	NGC 6025	Collinder 296	TrA	6.0	14.0'	2500 ly	16h03m17.0s	-60°25'54"	22:51	04:18	05:36	26	196	60	easy	
Gal	NGC 292	Small Magellanic Cl	Tuc	2.8	5.3"x 3.4"	200000 ly	00h52m38.0s	-72°48'01"	19:33	19:51	21:50	24	204	10	detectable	
Glob	NGC 104	47 Tucanae	Tuc	4.0	50.0'	20000 ly	00h24m05.0s	-72°04'54"	19:32	19:50	21:45	24	204	10	detectable	
Glob	NGC 362		Tuc	6.8	14.0'	39000 ly	01h03m14.0s	-70°50'54"	19:34	19:50	21:13	24	204	10	difficult	
Open	IC 2488	OCL 789	Vel	7.4	18.0'	3700 ly	09h27m38.0s	-57°00'00"	19:35	21:43	01:44	25	199	39	difficult	
Open	NGC 2925	Collinder 210	Vel	8.3	10.0'	2500 ly	09h33m11.0s	-53°23'54"	19:35	21:49	01:42	25	199	39	difficult	
Open	IC 2391	Collinder 191	Vel	2.6	60.0'	570 ly	08h40m32.0s	-53°02'00"	19:26	20:56	02:13	25	200	28	obvious	
Open	NGC 2910	Collinder 209	Vel	8.3	4.0'	8500 ly	09h30m30.0s	-52°55'06"	19:30	21:46	02:35	25	199	39	detectable	
Open	NGC 3228	Collinder 218	Vel	6.4	5.0'	1800 ly	10h21m22.0s	-51°43'42"	19:26	22:37	03:53	20	199	39	easy	
Open	NGC 2547	Collinder 177	Vel	5.0	25.0'	1500 ly	08h10m09.0s	-49°12'54"	19:28	20:26	01:38	20	187	28	easy	
Open	NGC 2670	Collinder 200	Vel	9.2	7.0'	3900 ly	08h45m30.0s	-48°48'00"	19:36	21:01	00:17	20	187	28	challenging	
Open	IC 2395	Collinder 192	Vel	4.6	18.6'	2600 ly	08h42m30.0s	-48°06'48"	19:27	20:58	02:08	20	187	28	obvious	
Glob	NGC 3201		Vel	6.9	20.0'	13000 ly	10h17m37.0s	-46°24'42"	19:38	22:33	02:11	20	186	39	difficult	
Open	NGC 2659	Collinder 194	Vel	9.8	5.0'	5600 ly	08h42m37.0s	-44°59'00"	19:38	20:58	23:42	20	187	28	challenging	

Symbol Key:

Open	Open Cluster	Doub	Double or Multiple Star	Con	Constellation
Glob	Globular Cluster	Bin	Binary Star (with orbit)	MSS	Major Solar System Object
PNe	Planetary Nebula	Var	Variable Star	Com	Comet
Neb	Diffuse Nebula	DVar	Double & Variable	MP	Minor Planet
Gal	Galaxy	BVar	Binary & Variable		
GalCl	Galaxy Cluster				
Dark	Dark Nebula				
QSO	Quasar				