

ASSA Deepsky 100 Observing List

Evening of 2012 Mar 23 at Karoo Starparty

Sunset 18:38, Twilight ends 19:53, Twilight begins 05:12, Sunrise 06:26, Moon rise 07:57, Moon set 18:52
 Completely dark from 19:53 to 05:12. 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
PNe	NGC 7293	Helix	Aqr	6.3	16.0'	530 ly	22h29m38.5s	-20°50'14"	04:55	05:19	05:31	23	142	77	detectable	Ultima 42mm
Glob	NGC 7089	M 2	Aqr	6.6	16.0'	49000 ly	21h33m27.0s	-00°49'24"	04:53	05:18	05:30	17	103	77	detectable	Ultima 42mm
Glob	NGC 6397		Ara	5.3	31.0'	6500 ly	17h40m42.0s	-53°40'24"	00:47	05:04	05:33	26	195	58	easy	Celestron Plössl 32mm
Open	NGC 6193	Collinder 310	Ara	5.4	14.0'	3800 ly	16h41m20.0s	-48°45'48"	23:50	04:55	05:37	22	182	58	obvious	Ultima 42mm
Open	NGC 2362	Collinder 136	CMa	3.8	5.0'	4500 ly	07h18m41.0s	-24°57'18"	19:21	20:01	00:11	19	154	27	obvious	E-Lux 2" 40mm
Open	NGC 2287	M 41	CMa	5.0	39.0'	2300 ly	06h46m01.0s	-20°45'24"	19:30	19:57	23:24	19	154	27	easy	Celestron Plössl 32mm 2.0x
Glob	NGC 7099	M 30	Cap	6.9	12.0'	39000 ly	21h40m22.0s	-23°10'42"	04:28	05:16	05:30	23	143	77	detectable	Ultima 42mm
Glob	NGC 2808		Car	6.2	14.0'	26000 ly	09h12m03.0s	-64°51'48"	19:30	21:31	03:04	25	210	40	easy	Ultima 42mm
Open	IC 2602	Collinder 229	Car	1.6	100.0'	520 ly	10h42m58.0s	-64°24'00"	19:29	23:02	04:35	25	210	40	obvious	Plössl 4mm
Open	NGC 2516	Collinder 172	Car	3.3	30.0'	1300 ly	07h58m04.0s	-60°45'12"	19:27	20:19	01:44	24	200	30	obvious	Celestron Plössl 32mm 2.0x
Open	NGC 3114	Collinder 215	Car	4.5	35.0'	3000 ly	10h02m36.0s	-60°07'12"	19:31	22:22	03:49	25	199	40	obvious	Celestron Plössl 32mm 2.0x
Neb	NGC 3372	Eta Carinae Nebula	Car	3.0	120.0'		10h45m06.0s	-59°52'00"	19:30	23:04	04:32	25	199	38	obvious	Ultima 42mm
Open	NGC 3532	Collinder 238	Car	3.4	50.0'	1600 ly	11h05m39.0s	-58°45'12"	19:29	23:25	04:50	25	198	38	obvious	Celestron Plössl 32mm
Open	NGC 3324	Collinder 225	Car	6.7	12.0'	7600 ly	10h37m20.0s	-58°38'30"	19:31	22:57	04:22	25	199	38	easy	Ultima 42mm
Open	NGC 3293	Collinder 224	Car	6.2	6.0'	7600 ly	10h35m51.0s	-58°13'48"	19:26	22:56	04:19	25	199	38	obvious	Ultima 42mm
Open	IC 2581	Collinder 222	Car	5.3	5.0'	8000 ly	10h27m29.0s	-57°37'00"	19:25	22:47	04:10	25	199	39	obvious	E-Lux 2" 40mm
Open	NGC 5281	Melotte 120	Cen	8.2	7.0'	3600 ly	13h46m35.0s	-62°55'00"	20:35	02:06	05:33	25	208	50	easy	Ultima 42mm
Open	NGC 3766	Collinder 248	Cen	4.6	9.3'	7200 ly	11h36m14.0s	-61°36'30"	19:26	23:56	05:25	25	198	40	obvious	Ultima 42mm
PNe	NGC 3918	Blue Planetary	Cen	8.4	12"	4600 ly	11h50m17.7s	-57°10'57"	19:23	00:09	05:32	25	198	38	obvious	Celestron Plössl 9mm 2.0x
Open	NGC 5662	Collinder 284	Cen	7.7	29.0'	2200 ly	14h35m37.0s	-56°37'06"	23:16	02:55	05:26	25	197	48	difficult	Celestron Plössl 32mm 2.0x
Gal	NGC 4945	ESO 219 24	Cen	9.3	20.4'x 4.3'	15.0 Mly	13h05m26.2s	-49°28'15"	21:01	01:24	05:23	21	184	49	detectable	Celestron Plössl 9mm
Open	NGC 5460	Collinder 280	Cen	6.1	35.0'	2200 ly	14h07m27.0s	-48°20'36"	21:56	02:26	05:29	21	183	48	easy	Celestron Plössl 32mm 2.0x
Glob	NGC 5139	Omega Centauri	Cen	3.9	55.0'	16000 ly	13h26m46.0s	-47°28'36"	20:37	01:46	05:32	21	184	49	easy	E-Lux 2" 26mm
Gal	NGC 5128	Centaurus A	Cen	7.8	27.5'x 18.2'	12.0 Mly	13h25m27.7s	-43°01'07"	21:17	01:45	05:27	21	184	49	detectable	Ultima 42mm
Gal	NGC 247	MCG -4-3-5	Cet	9.7	20.0'x 5.0'	8.1 Mly	00h47m08.6s	-20°45'38"	19:21	19:33	19:47	18	158	7	not visible	E-Lux 2" 26mm
Gal	NGC 1068	M 77	Cet	9.7	6.6'x 5.8'	70.0 Mly	02h42m40.8s	-00°00'48"	19:33	19:46	20:05	10	119	6	detectable	Ultima 42mm
Open	NGC 5823	Melotte 131	Cir	8.6	12.0'	3900 ly	15h05m30.0s	-55°36'12"	23:01	03:24	05:31	25	196	59	detectable	Ultima 42mm
Glob	NGC 1851		Col	7.1	12.0'	55000 ly	05h14m06.0s	-40°02'48"	19:31	19:54	22:33	19	173	18	easy	Ultima 42mm
Glob	NGC 6541		CrA	6.3	15.0'	13000 ly	18h08m02.0s	-43°42'54"	01:23	05:07	05:35	22	181	69	easy	Ultima 42mm
Neb	Bernes 157		CrA		1.5'		19h01m35.2s	-37°00'55"	02:26	05:10	05:35	22	163	69	unknown	Celestron Plössl 15mm
PNe	NGC 4361	PN G294.1+43.6	Crv	10.9	1.3'	3100 ly	12h24m30.8s	-18°47'06"	20:45	00:44	04:43	21	150	47	detectable	Celestron Plössl 15mm
Dark	Coalsack	DC 300.7-001.0	Cru	6.0	16.0'		12h31m19.0s	-63°44'36"	20:00	00:50	05:21	25	209	50	not visible	Ultima 42mm
Open	NGC 4755	Jewel Box	Cru	5.2	10.0'	6400 ly	12h53m39.0s	-60°21'42"	19:46	01:13	05:37	25	198	50	obvious	Ultima 42mm
Gal	Large Magellanic Cl	ESO 56 115	Dor	0.8	10.8°x 9.2°	200000 ly	05h23m34.6s	-69°45'22"	19:30	19:58	23:23	24	212	20	easy	Ultima 42mm
Neb	NGC 2070	Tarantula Nebula	Dor	8.3	5.0'		05h38m36.0s	-69°06'00"	19:29	19:58	23:36	24	212	20	easy	Ultima 42mm

Cls	Primary ID	Alternate ID	Con	Mag	Size	Distance	RA 2000	Dec 2000	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty	Optimum EP
Gal	NGC 1291	MCG -7-7-8	Eri	9.5	9.1'x 6.6'		03h17m18.6s	-41°06'29"	19:34	19:52	20:38	18	190	19	detectable	Ultima 42mm
PNe	NGC 1535	Cleopatra's Eye	Eri	9.4	20"	5800 ly	04h14m15.8s	-12°44'22"	19:26	19:51	20:44	11	137	17	obvious	Celestron Plössl 15mm 2.0x
Gal	NGC 1316	Fornax A radio sour	For	9.4	12.6'x 7.9'		03h22m41.5s	-37°12'27"	19:34	19:52	20:36	18	174	19	detectable	Ultima 42mm
Gal	NGC 1365	MCG -6-8-26	For	10.4	10.5'x 6.2'		03h33m36.4s	-36°08'26"	19:36	19:52	20:46	18	174	19	difficult	Ultima 42mm
Glob	NGC 1261		Hor	8.3	6.8'	95000 ly	03h12m16.0s	-55°13'00"	19:33	19:52	20:53	24	202	19	detectable	Ultima 42mm
Gal	NGC 5236	M 83	Hya	7.8	14.1'x 13.2'	15.0 Mly	13h37m00.8s	-29°51'56"	21:19	01:56	05:32	21	167	46	easy	Ultima 42mm
PNe	NGC 3242	Ghost of Jupiter	Hya	8.6	40"	2800 ly	10h24m46.1s	-18°38'32"	19:26	22:44	03:06	20	151	37	obvious	Plössl 10mm
Open	NGC 2548	M 48	Hya	5.5	30.0'	2500 ly	08h13m43.0s	-05°45'00"	19:31	20:34	00:25	12	134	26	easy	Celestron Plössl 32mm 2.0x
Glob	NGC 1904	M 79	Lep	7.7	9.6'	49000 ly	05h24m11.0s	-24°31'30"	19:32	19:54	22:12	19	155	16	detectable	Ultima 42mm
Open	NGC 5822	Collinder 289	Lup	6.5	35.0'	3000 ly	15h04m21.0s	-54°23'48"	22:59	03:23	05:29	25	196	59	detectable	Celestron Plössl 32mm 2.0x
Dark	B 228		Lup	6.0	4.0"		15h43m01.3s	-34°09'12"	00:08	04:01	05:32	21	165	59	not visible	Ultima 42mm
Dark	Dark Doodad	DC 301.0-008.6C	Mus	6.0	42.4'		12h27m31.1s	-71°25'12"	19:42	00:47	05:25	25	209	50	difficult	Celestron Plössl 15mm
Glob	NGC 4833		Mus	8.4	12.7'	16000 ly	12h59m34.0s	-70°52'30"	20:40	01:19	05:22	25	209	50	difficult	Ultima 42mm
PNe	NGC 5189	IC 4274	Mus	10.3	2.3'	2000 ly	13h33m33.0s	-65°58'27"	20:34	01:52	05:29	25	208	50	detectable	Plössl 25mm
Open	NGC 6087	Collinder 300	Nor	6.0	14.0'	2900 ly	16h18m50.0s	-57°56'06"	23:14	04:37	05:36	26	196	59	obvious	Ultima 42mm
Open	NGC 6067	Collinder 298	Nor	6.5	14.0'	4600 ly	16h13m11.0s	-54°13'06"	23:14	04:32	05:35	26	196	59	easy	Ultima 42mm
Open	Collinder 411	Melotte 227	Oct	5.3	70.0'	390 ly	20h17m19.0s	-79°02'00"	02:41	05:07	05:30	26	215	70	detectable	E-Lux 2" 26mm
Glob	NGC 6266	M 62	Oph	6.4	15.0'	26000 ly	17h01m13.0s	-30°06'48"	00:46	05:02	05:37	22	164	58	easy	Ultima 42mm
Dark	B 59	Pipe Nebula	Oph	5.0	60.0'		17h11m06.0s	-27°24'00"	03:44	05:04	05:24	22	146	56	very challenging	Celestron Plössl 32mm
Glob	NGC 6273	M 19	Oph	6.8	17.0'	23000 ly	17h02m38.0s	-26°16'06"	01:12	05:02	05:35	22	146	56	easy	Ultima 42mm
Glob	NGC 6254	M 10	Oph	6.6	20.0'	23000 ly	16h57m09.0s	-04°06'00"	01:43	05:01	05:34	15	107	56	detectable	Ultima 42mm
Glob	NGC 6218	M 12	Oph	6.1	16.0'	23000 ly	16h47m14.0s	-01°56'48"	01:22	04:58	05:35	15	107	56	easy	Ultima 42mm
Neb	NGC 1976	M 42	Ori	4.0	40.0'x 20.0'		05h35m18.0s	-05°23'00"	19:28	19:53	21:47	11	116	16	easy	Ultima 42mm
Neb	NGC 1977		Ori	7.0	20.0'		05h35m18.0s	-04°51'00"	19:39	19:53	20:37	11	116	16	challenging	Ultima 42mm
Gal	NGC 6744	ESO 104 42	Pav	9.1	17.0'x 10.7'		19h09m45.9s	-63°51'28"	02:15	05:08	05:30	26	206	70	detectable	Ultima 42mm
Glob	NGC 6752	Pavo Globular	Pav	5.3	29.0'	20000 ly	19h10m52.0s	-59°58'54"	02:03	05:08	05:31	26	194	69	easy	Celestron Plössl 32mm 2.0x
Open	NGC 2477	Collinder 165	Pup	5.7	15.0'	4000 ly	07h52m10.0s	-38°31'48"	19:26	20:14	01:07	19	171	28	obvious	Ultima 42mm
Open	NGC 2451	Collinder 161	Pup	3.7	45.0'	720 ly	07h45m23.0s	-37°57'21"	19:28	20:10	00:59	19	171	28	obvious	Celestron Plössl 32mm
Open	NGC 2447	M 93	Pup	6.5	10.0'	3400 ly	07h44m30.0s	-23°51'24"	19:27	20:09	00:36	19	153	26	obvious	Ultima 42mm
Open	NGC 2437	M 46	Pup	6.6	20.0'	4500 ly	07h41m46.0s	-14°48'36"	19:29	20:07	00:04	12	135	26	easy	Ultima 42mm
Open	NGC 2422	M 47	Pup	4.3	25.0'	1600 ly	07h36m35.0s	-14°29'00"	19:27	20:05	00:10	12	135	26	obvious	Ultima 42mm
PNe	NGC 2818	He 2-23	Pyx	11.9	36"	6000 ly	09h16m01.7s	-36°37'39"	19:30	21:35	02:06	20	170	39	detectable	Plössl 10mm
Glob	NGC 6723		Sgr	6.8	13.0'	33000 ly	18h59m33.0s	-36°37'54"	02:26	05:10	05:33	22	163	69	easy	Ultima 42mm
Glob	NGC 6809	M 55	Sgr	6.3	19.0'	20000 ly	19h40m00.0s	-30°57'42"	03:14	05:11	05:33	22	162	68	easy	Plössl 4mm 2.0x
Neb	NGC 6523	NGC 6526	Sgr	5.0	17.0'x 15.0'		18h04m02.0s	-24°23'14"	01:50	05:08	05:37	22	145	67	obvious	Ultima 42mm
Glob	NGC 6656	M 22	Sgr	5.2	32.0'	9800 ly	18h36m24.0s	-23°54'12"	02:25	05:10	05:33	22	145	67	easy	Celestron Plössl 32mm
Open	NGC 6514	M 20	Sgr	5.2	28.0'	2700 ly	18h02m42.0s	-22°58'18"	01:51	05:09	05:36	22	145	67	easy	Celestron Plössl 32mm 2.0x
Open	NGC 6531	M 21	Sgr	7.2	14.0'	3900 ly	18h04m13.0s	-22°29'24"	02:00	05:08	05:35	22	145	67	easy	Ultima 42mm
Open	M 25	IC 4725	Sgr	6.2	29.0'	2000 ly	18h31m47.0s	-19°07'00"	02:44	05:10	05:33	22	145	67	easy	Celestron Plössl 32mm 2.0x
Open	NGC 6494	M 23	Sgr	5.9	29.0'	2000 ly	17h57m04.0s	-18°59'06"	02:07	05:08	05:33	22	146	56	easy	Celestron Plössl 32mm 2.0x
Open	NGC 6603	M 24	Sgr	11.1	6.0'	12000 ly	18h18m26.0s	-18°24'24"	03:59	05:10	05:25	15	145	67	challenging	Ultima 42mm
Open	NGC 6618	M 17	Sgr	7.3	25.0'	4200 ly	18h20m47.0s	-16°10'18"	02:57	05:09	05:31	15	126	67	detectable	Ultima 42mm
Open	NGC 6231	Collinder 315	Sco	3.4	14.0'	4100 ly	16h54m10.0s	-41°49'30"	00:12	05:00	05:42	22	181	58	obvious	Ultima 42mm
Open	NGC 6124	Collinder 301	Sco	6.3	39.0'	1700 ly	16h25m20.0s	-40°39'12"	00:39	04:44	05:32	22	182	59	detectable	Celestron Plössl 32mm 2.0x
Open	NGC 6281	Collinder 324	Sco	8.4	8.0'	1600 ly	17h04m41.0s	-37°59'06"	00:48	05:02	05:35	22	164	58	easy	Ultima 42mm

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 6475	M 7	Sco	3.3	80.0'	980 ly	17h53m51.0s	-34°47'36"	01:23	05:07	05:36	22	164	58	easy	Celestron Plössl 32mm
Open	NGC 6405	M 6	Sco	4.6	20.0'	1600 ly	17h40m20.0s	-32°15'12"	01:13	05:07	05:39	22	164	58	obvious	Ultima 42mm
Glob	NGC 6121	M 4	Sco	5.4	36.0'	9800 ly	16h23m36.0s	-26°31'30"	00:32	04:42	05:34	22	147	57	easy	Celestron Plössl 32mm
Gal	NGC 55	MCG -7-1-13	Scl	8.5	30.2'x 3.4'	4.9 Mly	00h15m08.4s	-39°13'13"	19:33	19:38	19:45	18	159	9	very challenging	Celestron Plössl 9mm
Glob	NGC 288		Scl	8.1	13.0'	39000 ly	00h52m45.0s	-26°35'00"	19:26	19:38	19:54	18	158	7	not visible	Ultima 42mm
Gal	NGC 253	Sculptor Galaxy	Scl	7.9	28.2'x 5.5'	13.0 Mly	00h47m33.1s	-25°17'20"	19:30	19:37	19:43	18	158	7	challenging	Ultima 42mm
Open	NGC 6705	M 11	Sct	6.1	32.0'	6100 ly	18h51m05.0s	-06°16'12"	03:17	05:11	05:32	16	125	67	easy	Celestron Plössl 32mm 2.0x
Gal	NGC 3115	Spindle Galaxy	Sex	10.0	7.6'x 3.5'		10h05m14.0s	-07°43'07"	19:35	22:25	02:05	13	133	37	detectable	E-Lux 2" 26mm
Glob	NGC 6584		Tel	7.9	6.6'	42000 ly	18h18m38.0s	-52°12'54"	01:21	05:07	05:34	26	195	69	easy	Ultima 42mm
Open	NGC 6025	Collinder 296	TrA	6.0	14.0'	2500 ly	16h03m17.0s	-60°25'54"	22:55	04:22	05:36	26	196	60	obvious	Ultima 42mm
Gal	NGC 292	Small Magellanic Cl	Tuc	2.8	5.3°x 3.4°	200000 ly	00h52m38.0s	-72°48'01"	19:33	19:52	22:18	24	204	10	easy	Ultima 42mm
Glob	NGC 104	47 Tucanae	Tuc	4.0	50.0'	20000 ly	00h24m05.0s	-72°04'54"	19:33	19:52	22:21	24	204	10	easy	Plössl 4mm
Glob	NGC 362		Tuc	6.8	14.0'	39000 ly	01h03m14.0s	-70°50'54"	19:33	19:52	21:55	24	204	10	detectable	Ultima 42mm
Open	IC 2488	OCL 789	Vel	7.4	18.0'	3700 ly	09h27m38.0s	-57°00'00"	19:33	21:47	02:40	25	199	39	detectable	Ultima 42mm
Open	IC 2391	Collinder 191	Vel	2.6	60.0'	570 ly	08h40m32.0s	-53°02'00"	19:27	21:00	02:16	25	200	28	obvious	Celestron Plössl 15mm
Open	NGC 2547	Collinder 177	Vel	5.0	25.0'	1500 ly	08h10m09.0s	-49°12'54"	19:27	20:30	01:40	20	187	28	obvious	Ultima 42mm
Glob	NGC 3201		Vel	6.9	20.0'	13000 ly	10h17m37.0s	-46°24'42"	19:34	22:37	03:00	20	186	39	detectable	Ultima 42mm
PNe	NGC 3132	Eight Burst	Vel	8.2	1.4'	3600 ly	10h07m01.8s	-40°26'11"	19:26	22:27	03:26	20	169	39	obvious	Celestron Plössl 15mm
Gal	NGC 4594	M 104	Vir	9.1	9.1'x 5.6'	60.0 Mly	12h39m59.3s	-11°37'22"	20:57	00:59	05:02	14	130	47	easy	Ultima 42mm

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				

Observation status: Y = observed, N = not observed, R = re-observe

Quality of opportunity (Q): A = optimum, B = near optimum, F = far from optimum