

ASSA Deepsky 100 Observing List

Evening of 2024 Jun 6 at Gansvlei - Brandfort

Sunset 17:31, Twilight ends 18:48, Twilight begins 05:38, Sunrise 06:56, Moon rise 07:55, Moon set 17:17
 Completely dark from 18:48 to 05:38. New Moon. All times local (GMT+2).
 Weather: 7.0C, humidity 30%, very good seeing.

Listing all classes at any quality (difficulty ignored) after 18:44 and before 05:36.

Cls	Primary ID	Alternate ID	Mag	Con	Ang. Size	RA (Ap)	Dec (Ap)	Begin	Best	End	Alt	Az	Difficulty
Gal	NGC 3115	Spindle Galaxy	10.0	Sex	7.1' x 3.0'	10h06m26.3s	-07°50'16"	18:35	18:58	21:40	+58°31'	+306°50'	easy
Gal	NGC 4594	Sombrero Galaxy	9.1	Vir	8.5' x 4.9'	12h41m15.9s	-11°45'30"	18:30	19:53	00:35	+72°58'	+359°52'	easy
Gal	NGC 292	Small Magellanic Cl	2.8	Tuc	5.0° x 3.0°	00h53m28.6s	-72°39'47"	00:25	05:27	05:55	+41°29'	+165°28'	obvious
Gal	NGC 253	Sculptor Galaxy	7.9	Sci	26.9' x 4.6'	00h48m44.4s	-25°09'13"	03:00	05:29	06:00	+56°35'	+092°44'	easy
Open	OCL 918		5.0	Oct	70.0'	20h20m57.6s	-78°57'14"	20:10	03:31	05:55	+39°51'	+179°59'	easy
PNe	NGC 7293	Helix	6.3	Aqr	16.0'	22h30m58.4s	-20°42'40"	00:45	05:21	06:00	+80°44'	+030°23'	easy
Glob	NGC 7099	M 30	6.9	Cap	12.0'	21h41m45.5s	-23°04'00"	23:55	04:52	06:00	+84°16'	+359°40'	easy
Glob	NGC 7089	M 2	6.6	Aqr	16.0'	21h34m42.7s	-00°42'58"	00:35	04:45	06:00	+61°55'	+359°55'	easy
Glob	NGC 6809	M 55	6.3	Sgr	19.0'	19h41m33.9s	-30°54'17"	21:45	02:52	06:00	+87°54'	+180°03'	easy
Glob	NGC 6752	Pavo Globular	5.3	Pav	29.0'	19h13m03.0s	-59°56'23"	20:10	02:24	05:55	+58°51'	+180°06'	easy
Gal	NGC 6744		9.1	Pav	15.5' x 9.5'	19h12m06.8s	-63°48'59"	20:45	02:23	05:50	+54°59'	+180°04'	easy
Glob	NGC 6723		6.8	Sgr	13.0'	19h01m12.8s	-36°35'51"	20:50	02:12	05:55	+82°12'	+180°22'	easy
Open	NGC 6705	Wild Duck Cluster	5.2	Sct	32.0'	18h52m24.6s	-06°14'32"	21:30	02:03	05:55	+67°27'	+359°59'	obvious
Glob	NGC 6656	M 22	5.2	Sgr	32.0'	18h37m54.5s	-23°53'00"	20:50	01:49	05:55	+85°05'	+358°41'	easy
Open	NGC 6618	OCL 44	6.2	Sgr	25.0'	18h22m12.6s	-16°09'41"	20:50	01:33	05:50	+77°22'	+359°50'	easy
Open	NGC 6603	OCL 36	9.0	Sgr	6.0'	18h19m53.0s	-18°23'51"	20:55	01:31	05:50	+79°36'	+359°23'	easy
Glob	NGC 6584		7.9	Tel	6.6'	18h20m36.8s	-52°12'17"	19:40	01:31	05:55	+66°36'	+179°54'	easy
Glob	NGC 6541		6.3	CrA	15.0'	18h09m49.8s	-43°42'41"	19:40	01:21	05:55	+75°05'	+180°21'	easy
Open	NGC 6531	OCL 26	5.9	Sgr	14.0'	18h05m42.8s	-22°29'22"	20:00	01:16	06:00	+83°42'	+000°51'	obvious
Neb	NGC 6523 (NGC 6526),NGC 6526		5.0	Sgr	17.0' x 15.0'	18h05m33.1s	-24°23'12"	20:05	01:16	05:55	+85°35'	+000°43'	obvious
Open	NGC 6514	H IV-41	5.2	Sgr	28.0'	18h04m12.1s	-22°58'20"	20:05	01:15	05:55	+84°11'	+359°46'	obvious
Open	NGC 6494	OCL 30	5.3	Sgr	29.0'	17h58m31.4s	-18°59'19"	20:10	01:09	05:50	+80°12'	+000°19'	obvious
Open	NGC 6475	OCL 1028	2.5	Sco	80.0'	17h55m30.1s	-34°47'55"	19:20	01:06	06:00	+84°00'	+179°34'	obvious

Cls	Primary ID	Alternate ID	Mag	Con	Ang. Size	RA (Ap)	Dec (Ap)	Begin	Best	End	Alt	Az	Difficulty
Open	NGC 6405	Butterfly Cluster	4.5	Sco	20.0'	17h41m56.9s	-32°16'00"	19:10	00:53	06:00	+86°32'	+181°03'	obvious
Glob	NGC 6397		5.3	Ara	31.0'	17h42m43.2s	-53°41'10"	19:00	00:53	05:50	+65°07'	+179°50'	easy
Open	NGC 6281	OCL 1003	6.9	Sco	8.0'	17h06m22.2s	-38°01'11"	18:40	00:17	05:50	+80°47'	+179°44'	obvious
Glob	NGC 6273	M 19	6.8	Oph	17.0'	17h04m09.9s	-26°18'15"	19:25	00:15	05:10	+87°30'	+000°07'	easy
Glob	NGC 6266	M 62	6.4	Oph	15.0'	17h02m47.6s	-30°09'00"	19:00	00:14	05:30	+88°39'	+183°10'	easy
Glob	NGC 6254	M 10	6.6	Oph	20.0'	16h58m27.5s	-04°08'21"	20:00	00:09	04:25	+65°21'	+000°12'	easy
Open	NGC 6231	Baby Scorpion	3.7	Sco	14.0'	16h55m54.5s	-41°51'57"	18:25	00:07	06:00	+76°56'	+180°11'	obvious
Glob	NGC 6218	M 12	6.1	Oph	16.0'	16h48m31.3s	-01°59'29"	19:35	23:59	04:25	+63°12'	+000°14'	obvious
Open	NGC 6193	OCL 975	4.9	Ara	14.0'	16h43m11.7s	-48°48'41"	18:30	23:54	05:55	+69°59'	+179°57'	obvious
Open	NGC 6124	OCL 990	5.2	Sco	39.0'	16h27m02.1s	-40°42'38"	18:40	23:38	05:15	+78°05'	+180°00'	obvious
Glob	NGC 6121	M 4	5.4	Sco	36.0'	16h25m07.1s	-26°34'59"	18:50	23:36	04:35	+87°47'	+000°28'	easy
Open	NGC 6087	OCL 948	5.6	Nor	14.0'	16h20m54.1s	-57°59'45"	18:30	23:32	05:55	+60°48'	+180°02'	obvious
Open	NGC 6067	OCL 953	5.4	Nor	14.0'	16h15m08.2s	-54°16'56"	18:30	23:26	05:50	+64°31'	+179°57'	obvious
Open	NGC 6025	OCL 939	5.5	TrA	14.0'	16h05m24.3s	-60°30'03"	18:30	23:16	05:50	+58°18'	+179°54'	obvious
Open	NGC 5823	OCL 936	7.2	Cir	12.0'	15h07m21.0s	-55°42'03"	18:35	22:19	04:30	+63°06'	+180°09'	easy
Open	NGC 5822	OCL 937	5.2	Lup	35.0'	15h06m10.2s	-54°29'41"	18:35	22:17	04:30	+64°18'	+179°53'	obvious
Open	NGC 5662	OCL 928	6.0	Cen	29.0'	14h37m24.4s	-56°43'41"	18:35	21:49	03:55	+62°04'	+180°06'	easy
Open	NGC 5460	OCL 925	5.3	Cen	35.0'	14h09m02.2s	-48°27'46"	18:30	21:20	03:15	+70°20'	+179°49'	obvious
Open	NGC 5281	OCL 911	6.8	Cen	7.0'	13h48m19.6s	-63°02'34"	18:25	21:00	04:10	+55°45'	+180°03'	obvious
Gal	NGC 5236	M 83	7.8	Hya	13.5' x 13.2'	13h38m24.1s	-29°59'33"	18:30	20:50	02:10	+88°48'	+181°52'	obvious
PNe	NGC 5189	Spiral Planetary	10.3	Mus	2.3'	13h35m17.9s	-66°06'13"	18:35	20:47	02:45	+52°42'	+180°03'	easy
Glob	NGC 5139	Omega Centauri	3.9	Cen	55.0'	13h28m14.7s	-47°36'25"	18:30	20:40	02:35	+71°11'	+180°10'	obvious
Gal	NGC 4945		9.3	Cen	23.4' x 4.1'	13h06m53.4s	-49°36'09"	18:35	20:18	01:25	+69°12'	+179°49'	apparent
Glob	NGC 4833		8.4	Mus	12.7'	13h01m13.8s	-71°00'41"	18:40	20:13	01:30	+47°47'	+180°02'	apparent
Open	NGC 4755	Jewel Box	4.1	Cru	10.0'	12h55m07.6s	-60°29'55"	18:10	20:07	03:35	+58°18'	+180°05'	obvious
PNe	NGC 4361	Lawn Sprinkler	10.9	Crv	1.3'	12h25m47.2s	-18°55'19"	18:30	19:37	00:15	+80°07'	+000°33'	easy
PNe	NGC 3918	Blue Planetary	8.4	Cen	12"	11h51m30.3s	-57°19'21"	18:05	19:06	02:20	+61°28'	+180°47'	obvious
Open	NGC 3766	OCL 860	4.7	Cen	9.3'	11h37m22.1s	-61°44'53"	18:15	19:04	02:20	+56°57'	+183°14'	obvious
Open	NGC 3532	OCL 839	3.1	Car	50.0'	11h06m40.4s	-58°53'23"	18:25	19:01	01:15	+59°02'	+190°42'	obvious
Neb	NGC 3372	Great Carinae Nebul	3.0	Car	120.0'	10h46m01.8s	-59°59'58"	18:35	19:03	23:40	+56°54'	+194°54'	easy
Open	NGC 3324	OCL 819	5.2	Car	12.0'	10h38m14.9s	-58°46'22"	18:20	18:58	00:55	+57°49'	+196°32'	obvious
Open	NGC 3293	Gem Cluster	4.5	Car	6.0'	10h36m45.9s	-58°21'39"	18:05	18:55	01:10	+58°17'	+196°35'	obvious
PNe	NGC 3242	Ghost of Jupiter	8.6	Hya	40"	10h25m56.1s	-18°46'04"	18:15	18:54	23:05	+69°54'	+295°43'	obvious

Cls	Primary ID	Alternate ID	Mag	Con	Ang. Size	RA (Ap)	Dec (Ap)	Begin	Best	End	Alt	Az	Difficulty
Glob	NGC 3201		6.9	Vel	20.0'	10h18m36.2s	-46°32'15"	18:35	19:01	22:45	+64°56'	+218°45'	easy
PNe	NGC 3132	Eight Burst	8.2	Vel	1.4'	10h08m02.7s	-40°33'32"	18:20	18:55	23:25	+67°16'	+232°32'	obvious
Open	NGC 3114	OCL 802	4.1	Car	35.0'	10h03m21.5s	-60°14'31"	18:25	18:58	00:10	+54°06'	+201°33'	obvious
PNe	NGC 2818		11.9	Pyx	36"	09h16m59.5s	-36°43'53"	18:35	18:57	21:40	+58°03'	+245°54'	easy
Glob	NGC 2808		6.2	Car	14.0'	09h12m29.0s	-64°58'02"	18:30	18:58	23:15	+46°37'	+202°32'	easy
Open	NGC 2548	H VI-22	5.3	Hya	30.0'	08h14m54.2s	-05°49'26"	18:35	18:54	20:05	+35°59'	+284°50'	easy
Open	NGC 2547	OCL 753	4.9	Vel	25.0'	08h10m50.3s	-49°17'22"	18:30	18:54	21:40	+45°15'	+227°37'	obvious
Open	NGC 2516	OCL 776	3.9	Car	30.0'	07h58m25.8s	-60°49'18"	18:25	18:53	22:20	+41°24'	+212°29'	obvious
Open	NGC 2477	OCL 720	6.0	Pup	15.0'	07h53m00.5s	-38°35'41"	18:30	18:53	20:55	+42°17'	+242°28'	obvious
Open	NGC 2451	OCL 716	3.1	Pup	45.0'	07h46m13.6s	-38°01'01"	18:25	18:52	21:00	+41°06'	+243°03'	obvious
Open	NGC 2447	OCL 649	5.8	Pup	10.0'	07h45m30.7s	-23°54'59"	18:30	18:51	20:30	+37°55'	+260°54'	obvious
Open	NGC 2437	OCL 601	5.9	Pup	20.0'	07h42m52.0s	-14°52'04"	18:40	18:53	19:55	+33°31'	+270°44'	easy
Open	NGC 2422	H VIII-38	4.4	Pup	25.0'	07h37m41.0s	-14°32'18"	18:30	18:51	20:00	+32°41'	+270°42'	obvious
Open	NGC 2362	Northern Jewel Box	4.0	CMa	5.0'	07h19m40.3s	-25°00'02"	18:05	18:44	20:20	+34°13'	+257°55'	obvious
Open	NGC 2287	OCL 597	4.2	CMa	39.0'	06h47m02.4s	-20°46'59"	18:40	18:51	19:15	+24°11'	+258°38'	obvious
Neb	NGC 2070	Tarantula Nebula	8.3	Dor	5.0'	05h38m22.5s	-69°05'09"	18:30	18:50	21:00	+26°45'	+203°34'	obvious
Open	NGC 1977	H V-30	5.8	Ori	20.0'	05h36m26.8s	-04°48'15"	18:25	18:36	18:45	+04°59'	+267°15'	difficult
Open	NGC 1976	OCL 528	24.8	Ori	47.0'	05h36m26.5s	-05°22'27"	-	-	-	+66°35'	+000°00'	undetactable
Glob	NGC 1904	M 79	7.7	Lep	9.6'	05h25m09.8s	-24°30'09"	18:35	18:45	19:05	+09°53'	+247°23'	apparent
Glob	NGC 1851		7.1	Col	12.0'	05h14m52.4s	-40°01'05"	18:40	18:48	19:10	+14°19'	+231°54'	apparent
PNe	NGC 1535	Cleopatra's Eye	9.4	Eri	20"	04h15m22.8s	-12°40'39"	05:30	05:48	06:05	+10°58'	+098°33'	obvious
Gal	NGC 1365		10.4	For	12.0' x 6.2'	03h34m30.9s	-36°03'26"	04:55	05:32	05:50	+25°25'	+118°50'	apparent
Gal	NGC 1291		9.5	Eri	9.1' x 6.6'	03h18m10.7s	-41°01'00"	05:20	05:32	05:45	+29°52'	+123°14'	easy
Glob	NGC 1261		8.3	Hor	6.8'	03h12m54.5s	-55°07'21"	04:40	05:31	05:50	+32°49'	+139°25'	easy
Gal	NGC 1068	M 77	9.7	Cet	6.2' x 5.6'	02h43m54.5s	+00°05'25"	04:45	05:34	05:55	+21°43'	+077°15'	easy
Glob	NGC 362		6.8	Tuc	14.0'	01h04m02.9s	-70°42'46"	01:25	05:27	05:55	+42°07'	+162°45'	easy
Glob	NGC 288	H VI-20	8.1	ScI	13.0'	00h53m55.7s	-26°26'57"	03:45	05:28	05:50	+55°32'	+095°35'	apparent
Gal	NGC 247	H V-20	9.7	Cet	19.5' x 5.5'	00h48m20.5s	-20°37'34"	03:55	05:27	05:50	+54°50'	+085°17'	apparent
PNe	NGC 246	H V-25	10.4	Cet	4.0'	00h48m16.3s	-11°44'18"	04:20	05:27	05:45	+50°53'	+072°04'	apparent
Glob	NGC 104	47 Tucanae	4.0	Tuc	50.0'	00h25m09.4s	-71°56'30"	00:10	05:26	06:00	+43°27'	+166°49'	obvious
Gal	NGC 55		8.4	ScI	30.2' x 3.1'	00h16m06.6s	-39°03'30"	02:15	05:28	05:55	+63°35'	+120°39'	easy
Gal	Large Magellanic Clo	LMC	0.8	Dor	10.8° x 9.2°	05h23m18.8s	-69°43'58"	18:40	18:53	20:15	+25°21'	+202°28'	obvious
Open	IC 4725	OCL 38	4.5	Sgr	29.0'	18h33m14.4s	-19°05'59"	20:30	01:44	06:00	+80°18'	+359°48'	obvious

Cls	Primary ID	Alternate ID	Mag	Con	Ang. Size	RA (Ap)	Dec (Ap)	Begin	Best	End	Alt	Az	Difficulty
Open	IC 2602	OCL 838	1.9	Car	100.0'	10h43m49.1s	-64°31'57"	18:25	19:00	01:25	+52°50'	+191°24'	obvious
Open	IC 2581	OCL 811	4.6	Car	5.0'	10h28m22.5s	-57°44'44"	18:05	18:54	01:00	+58°19'	+198°47'	obvious
Open	IC 2488	OCL 789	6.4	Vel	18.0'	09h28m20.2s	-57°06'36"	18:30	18:58	23:00	+52°49'	+210°35'	easy
Open	IC 2391	OCL 767	2.7	Vel	60.0'	08h41m12.0s	-53°07'23"	18:25	18:54	22:35	+49°04'	+220°35'	obvious
Gal	NGC 1316	Fornax A radio sour	9.4	For	13.5' x 7.8'	03h23m36.3s	-37°07'11"	04:20	05:32	05:55	+27°50'	+119°15'	apparent
Dark	Dark Doodad	DC 301.0-008.6C	13.5	Mus	42.4'	12h28m57.7s	-71°33'36"	18:35	19:41	02:15	+47°14'	+180°03'	apparent
Dark	Coalsack	DC 300.7-001.0	13.5	Cru	16.0'	12h32m43.1s	-63°52'58"	18:30	19:44	02:15	+54°55'	+179°56'	apparent
Gal	NGC 5128	Centaurus A	7.8	Cen	25.7' x 19.5'	13h26m54.7s	-43°08'55"	18:35	20:38	01:55	+75°39'	+179°44'	easy
Neb	Bernes 157			CrA	1.5'	19h03m15.3s	-36°58'47"	22:45	02:14	05:35	+81°49'	+180°18'	poor data
Dark	B 228		14.0	Lup	4.0°	15h44m35.8s	-34°13'58"	19:50	22:56	02:05	+84°34'	+180°43'	very challenging
Dark	B 59	Pipe Nebula	14.0	Oph	60.0'	17h12m38.8s	-27°25'51"	21:00	00:23	03:50	+88°38'	+004°28'	difficult