

ASSA Deepsky Observing Section “Top-100 Deepsky Objects”

ASSA num	Object (1)	Other designations (2)	Bennet (3)	Type (4)	Mag (5)	Size (6)	Con (7)	RA (8)	Dec (9)	Uran (10)	MSA (11)	SA (12)	D (13)
001	NGC 55	ESO 293-50, LEDA 1014, SGC 001238-3929.9	Ben 1	Glxy	7.9	32'x5.6'	Scl	00 15	- 39 11	386	1:430	18	06, 25
002	NGC 104	47 Tucanae, Melotte 1	Ben 2	Glcl	4.5	31'	Tuc	00 24	- 72 05	440	1:502	24	05, 06
003	NGC 247	ESO 540-22, LEDA 2758	Ben 3	Glxy	8.9	18' x 5'	Cet	00 47	- 20 46	306	1:340	18	06, 25
004	NGC 246	BD-12 134, HIP 3678, PN G118.8-74.7		Plnb	8.5	4' x 3.5'	Cet	00 47	- 11 53	261	1:316	10	25
005	NGC 253	Silver Coin, Sculptor Filament, ESO 474-29, LEDA 2789, SGC 004507-2533.9	Ben 4	Glxy	7.1	22' x 6'	Scl	00 48	- 25 17	306	1:364	18	06, 25
006	NGC 288	C 0050-268, Melotte 3, GCl 2	Ben 5	Glcl	8.1	14'	Scl	00 53	- 26 35	307	1:364	18	06, 25
007	SMC			Glxy	2.3	5° x 3°	Tuc	00 53	- 72 50	460	1:501	24	05, 06
008	NGC 362	Melotte 4, C 0100-711, GCl 3	Ben 7	Glcl	6.6	13'	Tuc	01 03	- 70 51	441	1:501	24	05, 06
009	NGC 1068	Messier 77, LEDA 10266	Ben 9	Glxy	8.9	7.1' x 6.0'	Cet	02 43	- 00 01	220	1:262	10	25
010	NGC 1261	C 0310-554, GCl 5	Ben 11	Glcl	8.4	7'	Hor	03 12	- 55 13	419	1:460	24	05
011	NGC 1291	ESO 301-2, LEDA 12209, NGC 1269	Ben 12	Glxy	9.0	11'	Eri	03 17	- 41 08	390	1:422	18	05, 12, 15
012	NGC 1316	Fornax A, ESO 357-22, LEDA 12651, SGC 032047-3723.2	Ben 14	Glxy	8.5	12' x 8.5'	For	03 23	- 37 12	355	1:401	18	05, 12, 15
013	NGC 1365	ESO 358-17, LEDA 13179, SGC 033141-3618.4	Ben 16	Glxy	9.5	9' x 4'	For	03 34	- 36 08	355	1:401	18	05, 12, 15
014	NGC 1535	BD-13 842, HD 26847, PN G206.4-40.5	Ben 22	Plnb	9.3	20" x 17"	Eri	04 14	- 12 44	268	1:306	11	12, 15
015	NGC 1851	C 0512-400, GCl 9	Ben 32	Glcl	7.3	11'	Col	05 14	- 40 03	393	1:417	19	05, 07, 09
016	LMC			Glxy	0.5	11° x 9°	Dor	05 24	- 69 45	444	1:496	24	04, 05
017	NGC 1904	Messier 79, C 0522-245, GCl 10	Ben 34	Glcl	8.4	3'	Lep	05 25	- 24 33	315	1:350	19	07, 09
018	NGC 1976	Great Orion Nebula, Messier 42, LBN 974		Brtn	2.9	1.1° x 1°	Ori	05 35	- 05 27	225	1:278	11	07, 09, 12, 13

ASSA	Object	Other designations	Bennet	Type	Mag	Size	Con	RA	Dec	Uran	MSA	SA	D
019	NGC 1977	C 0532-048		Brtn	4.6	20' x 10'	Ori	05 36	- 04 52	225	1:278	11	07, 09, 12, 13
020	NGC 2070	Tarantula Nebula, 30 Dor Cluster, [SL63] 633	Ben 35	Brtn		40'	Dor	05 39	- 69 06	445	1:495	24	04, 05
021	NGC 2287	Messier 41, C 0644-206		OpCl	4.6	38'	CMa	06 46	- 20 46	318	1:322	19	07, 09
022	NGC 2362	Tau CMa cluster, C 0716-248		OpCl	4.1	8'	CMa	07 19	- 24 57	319	1:345	19	04, 07, 09
023	NGC 2422	Messier 47, C 0734-143		OpCl	4.5	30'	Pup	07 37	- 14 30	274	1:296	12	07, 09
024	NGC 2437	Messier 46, C 0739-147		OpCl	6.1	27'	Pup	07 42	- 14 49	274	1:295	12	07, 09
025	NGC 2451	C 0743-378, VdB-H 9, Collinder 161		OpCl	2.8	45'	Pup	07 45	- 37 58	362	1:389	19	04
026	NGC 2447	Messier 93, C 0742-237, Collinder 160		OpCl	6.2	22'	Pup	07 45	- 23 52	320	1:343	19	04
027	NGC 2477	C 0750-384, VdB-H 13, Melotte 78		OpCl	5.7	27'	Pup	07 52	- 38 33	362	1:389	19	04
028	NGC 2516	C 0757-607, OCl 776.0		OpCl	3.8	30	Car	07 58	- 60 52	424	1:467	24	04
029	NGC 2547	C 0809-491		OpCl	4.7	20'	Vel	08 11	- 49 16	396	2:966	20	04
030	NGC 2548	Messier 48, C 0811-056		OpCl	5.8	55'	Hya	08 14	- 05 48	275	2:810	12	13
031	IC 2391	Omicron Velorum Cluster, VdB-H 42		OpCl	2.5	50'	Vel	08 40	- 53 04	425	2:981	25	04
032	NGC 2808	C 0911-646, GCl 13	Ben 41	Glcl	6.3	14'	Car	09 12	- 64 52	448	2:1007	25	04
033	NGC 2818	ESO 372-13, Hen 2-23, PN G261.9+08.5		OpCl	8.2	9'	Pyx	09 16	- 36 37	364	2:923	20	04
034	IC 2488	VdB-H 69		OpCl	7.4	15'	Vel	09 28	- 56 59	425	2:980	25	04
035	NGC 3114	C 1001-598, VdB-H 86, OCl 802.0		OpCl	4.2	35'	Car	10 03	- 60 07	426	2:993	25	04
036	NGC 3115	Spindle Galaxy, LEDA 29265, UGCA 199	Ben 42	Glxy	8.9	7.2' x 2.5'	Sex	10 05	- 07 43	279	2:804	13	17
037	NGC 3132	Eight-Burst Nebula, ESO 316-27, HD 87892, HD 87877, Hen 2-40, PN G272.1+12.3	Ben 43	Plnb	8.2	84" x 53"	Vel	10 08	- 40 26	399	2:941	20	04
038	NGC 3201	C 1015-461, GCl 15	Ben 44	Glcl	6.8	18'	Vel	10 18	- 46 25	399	2:961	20	04

ASSA	Object	Other designations	Bennet	Type	Mag	Size	Con	RA	Dec	Uran	MSA	SA	D
039	NGC 3242	Ghost of Jupiter, Cat's Eye, ESO 568-5, HD 90255, PN G261.0+32.0, SAO 155965	Ben 45	Plnb	8.6	16''	Hya	10 25	- 18 38	325	2:851	20	17
040	IC 2581	VdB-H 97		OpCl	4.3	8'	Car	10 27	- 57 38	426	2:992	25	04
041	NGC 3293	Collinder 224, Melotte 100, VdB-H 98, Gum 30, Raab 85, RCW 51		OpCl	4.7	40	Car	10 36	- 58 14	427	2:992	25	04
042	NGC 3324	C 1035-583, Ced 108		OpCl	6.7	6'	Car	10 37	- 58 38	427	2:992	25	04
043	IC 2602	VdB-H 103, Melotte 102, Collinder 229, Theta Car Cluster, Southern Pleiades		OpCl	1.9	50'	Car	10 43	- 64 24	449	2:1004	25	04
044	NGC 3372	Eta Carina Nebula, Gum 33, RCW 53		Brtn	5.0	120'	Car	10 44	- 59 52	427	2:992	25	04
045	NGC 3532	C 1104-584, VdB-H 109		OpCl	3.0	55'	Car	11 06	- 58 40	427	2:991	25	04
046	NGC 3766	BRAN 360, C 1133-613, VdB-H 120		OpCl	5.3	12	Cen	11 36	- 61 37	450	2:990	25	02, 04
047	NGC 3918	Blue Planetary, ESO 170-13, HD 102854, Hen 2-74, PN G294.6+04.7		Plnb	8.4	12	Cen	11 50	- 57 11	428	2:990	25	02, 04
048	NGC 4361	ESO 573-19, HD 107969, PN G294.1+43.6		Plnb	10.3	45''	Crv	12 25	- 18 48	328	2:845	21	17
049	Dark Doodad	SDC 301.0-08.6c		DrkN	-	80' x 3'	Mus	12 27	- 71 25				02, 04
050	NGC 4594	Sombrero Galaxy, Messier 104, LEDA 42407, UGCA 293	Ben 52	Glxy	8.0	8.7' x 3.5'	Vir	12 40	- 11 37	284	2:821	14	17
051	Coalsack			DrkN	-	6.5° x 5°	Cru	12 53	- 63 00	450	2:1002	25	02, 04
052	NGC 4755	Herschel's Jewel Box, C 1250-600, Melotte 114, VdB-H 141		OpCl	4.2	10'	Cru	12 54	- 60 20	429	2:988	25	02, 04
053	NGC 4833	C 1256-706, GCl 21	Ben 56	Glcl	7.4	14'	Mus	13 00	- 70 53	451	2:1012	25	02, 04
054	NGC 4945	ESO 219-24, LEDA 45279, SGC 130231-4912.2	Ben 57	Glxy	8.3	20' x 3.8'	Cen	13 05	- 49 28	402	2:954	21	02
055	NGC 5128	Centaurus A, ESO 270-9, LEDA 46957, SGC 132233-4245.4	Ben 60	Glxy	7	18' x 14'	Cen	13 26	- 43 01	403	2:933	21	02
056	NGC 5139	Omega Centauri, HD 116790	Ben 61	Glcl	3.7	36'	Cen	13 27	- 47 29	403	2:953	21	02
057	NGC 5189	ESO 96-16, Gum 47, HD 117622, Hen 2-94, IC 4274, PN G307.2-03.4, RCW 76	Ben 62	Plnb	10.3	2.6'	Mus	13 34	- 65 59	451	2:1000	25	02
058	NGC 5236	Messier 83, Southern Pinwheel Galaxy, ESO 444-81, LEDA 48082, SGC 133411-2936.8	Ben 63	Glxy	7.5	13' x 11'	Hya	13 37	- 29 52	370	2:889	21	17

ASSA	Object	Other designations	Bennet	Type	Mag	Size	Con	RA	Dec	Uran	MSA	SA	D
059	NGC 5281	C 1343-626, VdB-H 152		OpCl	5.9	5'	Cen	13 47	- 62 54	451	2:986	25	02
060	NGC 5460	C 1404-480		OpCl	5.6	25'	Cen	14 08	- 48 19	404	2:951	21	02, 03
061	NGC 5662	C 1431-563, VdB-H 162		OpCl	5.5	12'	Cen	14 35	- 56 33	431	2:969	25	02, 03
062	NGC 5822	C 1501-541, VdB-H 168, Melotte 130		OpCl	6.5	40'	Lup	15 05	- 54 21	431	2:968	25	02, 03
063	NGC 5823	VdB-H 169, Melotte 131		OpCl	7.9	10'	Cir	15 06	- 55 36	431	2:968	25	02, 03
064	Barnard 228	Be 148, DCld 338.8+16.5C		DrkN	-	4° x 20'	Lup	15 45	- 34 24	374	2:905	21	03, 21
065	NGC 6025	C 1559-603, VdB-H 181		OpCl	5.1	12'	TrA	16 04	- 60 30	432	3:1512	26	02, 03
066	NGC 6067	VdB-H 186, Melotte 140		OpCl	5.6	13'	Nor	16 13	- 54 13	432	3:1498	26	02, 03
067	NGC 6087	S Norma Cluster, C 1614-577, VdB-H 188		OpCl	5.4	12'	Nor	16 19	- 57 54	432	3:1512	26	02, 03
068	NGC 6121	Messier 4, C 1620-264, GCl 41	Ben 75	Glcl	6.0	26'	Sco	16 24	- 26 32	336	3:1397	22	21
069	NGC 6124	C 1622-405		OpCl	5.8	29'	Sco	16 26	- 40 40	407	3:1461	22	21
070	NGC 6193	C 1637-486, VdB-H 195		OpCl	5.2	15'	Ara	16 41	- 48 46	407	3:1481	22	03, 21
071	NGC 6218	Messier 12, C 1644-018, GCl 46	Ben 80	Glcl	6.6	15'	Oph	16 47	- 01 57	246	3:1300	15	20
072	NGC 6231	VdB-H 201		OpCl	2.6	15'	Sco	16 54	- 41 48	407	3:1460	22	03, 21
073	NGC 6254	Messier 10, C 1654-040, GCl 49	Ben 83	Glcl	6.6	15'	Oph	16 57	- 04 06	247	3:1324	15	21
074	NGC 6266	Messier 62, C 1658-300, VdB-H 210, GCl 51	Ben 85	Glcl	6.6	14'	Oph	17 01	- 30 07	376	3:1418	22	21
075	NGC 6273	Messier 19, HD 153799, C 1659-262, GCl 52	Ben 86	Glcl	7.1	14'	Oph	17 03	- 26 16	337	3:1395	22	21
076	NGC 6281	Collinder 324, Melotte 161, ESO 332-SC019		OpCl	5.4	8'	Sco	17 05	- 37 54	376	3:1440	22	21
077	Barnard 59-78	Pipe Nebula, LDN 1740, B59, B65-67, B78		DrkN	-	7°	Oph	17 25	- 26 30	337	3:1417	22	21
078	NGC 6405	Butterfly Cluster, Messier 6, C 1736-321, VdB-H 242		OpCl	4.2	15'	Sco	17 40	- 32 13	377	3:1416	22	21

ASSA	Object	Other designations	Bennet	Type	Mag	Size	Con	RA	Dec	Uran	MSA	SA	D
079	NGC 6397	C 1736-536, GCl 74	Ben 98	Glcl	5.6	26'	Ara	17 41	- 53 40	434	3:1495	26	03, 21
080	NGC 6475	Ptolemy's Cluster, Messier 7, C 1750-348, VdB-H 254		OpCl	3.3	80'	Sco	17 54	- 34 49	377	3:1437	22	21
081	NGC 6494	Messier 23, C 1753-190		OpCl	5.5	27'	Sgr	17 57	- 19 01	339	3:1369	22	21
082	NGC 6514	Trifid Nebula, Messier 20, C 1759-230, Collinder 360, LBN 27		Brtn	8.5	29' x 27'	Sgr	18 03	- 23 02	339	3:1392	22	21
083	NGC 6523	Lagoon Nebula, Messier 8		Brtn	5.8	1.5° x 0.7°	Sgr	18 04	- 24 23	339	3:1392	22	21
084	NGC 6531	Messier 21, OCI 26.0		OpCl	5.9	13'	Sgr	18 05	- 22 30	339	3:1392	22	21
085	NGC 6541	C 1804-437, GCl 86		Glcl	6.6	13'	CrA	18 08	- 43 42	409	3:1457	22	03, 21
086	NGC 6584	C 1814-522, GCl 92	Ben 107	Glcl	9.2	8'	Tel	18 19	- 52 13	434	3:1494	26	03, 21
087	NGC 6618	Checkmark, Omega, Horseshoe, Lobster , Swan Nebula, Messier 17, LBN 60	Ben 108	Brtn	7	0.8° x 0.6°	Sgr	18 21	- 16 11	294	3:1367	15	21
088	IC 4715	Messier 24		*cll	3.1	95' x 35'	Sgr	18 27	- 18 23	340	3:1367	15	21
089	IC 4725	Messier 25		OpCl	4.6	32'	Sgr	18 32	- 19 15	340	3:1367	22	21
090	NGC 6656	Messier 22, C 1833-239, GCl 99, HD 171560	Ben 114	Glcl	5.1	24'	Sgr	18 36	- 23 54	340	3:1391	22	21
091	NGC 6705	Messier 11, Wild Duck Cluster, C 1848-063	Ben 116	OpCl	5.8	14'	Sct	18 51	- 06 16	295	3:1318	16	21
092	NGC 6723	ESO 396-SC010, GCL 106	Ben 119	Glcl	7.2	11'	Sgr	18 59	- 36 38	378	3:1434	22	21
093	Bernes 157			DrkN	-	55' x 18'	CrA	19 03	- 37 08	378	3:1434	22	21
094	NGC 6744	AM 1905-635, ESO 104-42, LEDA 62836, SGC 190501-6356.2	Ben 120	Glxy	9.0	15' x 10'	Pav	19 10	- 63 51	456	3:1520	26	06
095	NGC 6752	C 1906-600, GCl 108	Ben 121	Glcl	5.4	20'	Pav	19 11	- 59 59	435	3:1507	26	06
096	NGC 6809	Messier 55, C 1936-310, GCl 113	Ben 122	Glcl	7	19'	Sgr	19 40	- 30 58	379	3:1410	22	21
097	Melotte 227	Collinder 411, C 2004-794		OpCl	5.3	50'	Oct	20 12	- 79 19	470	3:1538	26	01
098	NGC 7089	Messier 2, BD-01 4175, GCl 121, HD 205146	Ben 127	Glcl	6.5	13'	Aqr	21 34	- 00 49	255	3:1286	17	23

ASSA	Object	Other designations	Bennet	Type	Mag	Size	Con	RA	Dec	Uran	MSA	SA	D
099	NGC 7099	Messier 30, C 2137-234, GCl 122	Ben 128	Glcl	7.5	11'	Cap	21 40	- 23 11	346	3:1381	23	23
100	NGC 7293	Helix Nebula, ESO 602-22, PN G036.1-57.1	Ben 129	Plnb	6.5	15' x 12'	Aqr	22 30	- 20 48	347	3:1355	23	23

Column headings:

- (1), (2) Object identifier
- (3) Number in Jack Bennett's catalogue
- (4) Object type
- (5) Magnitude
- (6) Size
- (7) Constellation
- (8), (9) RA & Dec
- (10) Uranometria 2000.0 chart number
- (11) Millenium Star Atlas chart
- (12) Sky Atlas chart
- (13) Discover! chart

ASSA num	Object (1)	Vis (14)	J	F	M	A	M	J	J	A	S	O	N	D
			(15)											
001	NGC 55	Sep-Feb	x	x							x	x	x	x
002	NGC 104	Sep-Feb	x	x							x	x	x	x
003	NGC 247	Sep-Feb	x	x							x	x	x	x
004	NGC 246	Oct-Feb	x	x								x	x	x
005	NGC 253	Sep-Feb	x	x							x	x	x	x
006	NGC 288	Sep-Feb	x	x							x	x	x	x
007	SMC	Sep-Feb	x	x							x	x	x	x
008	NGC 362	Sep-Feb	x	x							x	x	x	x
009	NGC 1068	Oct-Feb	x	x								x	x	x
010	NGC 1261	Oct-Apr	x	x	x	x						x	x	x
011	NGC 1291	Nov-Mar	x	x	x								x	x
012	NGC 1316	Oct-Mar	x	x	x							x	x	x

ASSA	Object	Vis	J	F	M	A	M	J	J	A	S	O	N	D
013	NGC 1365	Oct-Mar	x	x	x							x	x	x
014	NGC 1535	Nov-Mar	x	x	x								x	x
015	NGC 1851	Nov-May	x	x	x	x	x						x	x
016	LMC	Oct-Apr	x	x	x	x						x	x	x
017	NGC 1904	Nov-May	x	x	x	x	x						x	x
018	NGC 1976	Nov-May	x	x	x	x	x						x	x
019	NGC 1977	Nov-May	x	x	x	x	x						x	x
020	NGC 2070	Oct-Apr	x	x	x	x						x	x	x
021	NGC 2287	Nov-May	x	x	x	x	x						x	x
022	NGC 2362	Nov-May	x	x	x	x	x						x	x
023	NGC 2422	Dec-Apr	x	x	x	x								x
024	NGC 2437	Dec-Apr	x	x	x	x								x
025	NGC 2451	Nov-May	x	x	x	x	x						x	x
026	NGC 2447	Nov-May	x	x	x	x	x						x	x
027	NGC 2477	Nov-May	x	x	x	x	x						x	x
028	NGC 2516	Nov-May	x	x	x	x	x						x	x
029	NGC 2547	Nov-May	x	x	x	x	x						x	x
030	NGC 2548	Jan-May	x	x	x	x	x							
031	IC 2391	Nov-May	x	x	x	x	x						x	x
032	NGC 2808	Nov-May	x	x	x	x	x						x	x
033	NGC 2818	Nov-May	x	x	x	x	x						x	x
034	IC 2488	Nov-May	x	x	x	x	x						x	x
035	NGC 3114	Nov-May	x	x	x	x	x						x	x
036	NGC 3115	Feb-May		x	x	x	x							
037	NGC 3132	Nov-May	x	x	x	x	x						x	x
038	NGC 3201	Nov-May	x	x	x	x	x						x	x
039	NGC 3242	Feb-Jul		x	x	x	x	x	x					
040	IC 2581	Nov-May	x	x	x	x	x						x	x
041	NGC 3293	Nov-May	x	x	x	x	x						x	x
042	NGC 3324	Nov-May	x	x	x	x	x						x	x
043	IC 2602	Nov-May	x	x	x	x	x						x	x
044	NGC 3372	Nov-May	x	x	x	x	x						x	x
045	NGC 3532	Nov-May	x	x	x	x	x						x	x
046	NGC 3766	Feb-Sep		x	x	x	x	x	x	x	x			

ASSA	Object	Vis	J	F	M	A	M	J	J	A	S	O	N	D
081	NGC 6494	May–Oct					x	x	x	x	x	x		
082	NGC 6514	May–Oct					x	x	x	x	x	x		
083	NGC 6523	May–Oct					x	x	x	x	x	x		
084	NGC 6531	May–Oct					x	x	x	x	x	x		
085	NGC 6541	May–Oct					x	x	x	x	x	x		
086	NGC 6584	Apr–Oct				x	x	x	x	x	x	x		
087	NGC 6618	May–Oct					x	x	x	x	x	x		
088	IC 4715	May–Oct					x	x	x	x	x	x		
089	IC 4725	May–Oct					x	x	x	x	x	x		
090	NGC 6656	May–Oct					x	x	x	x	x	x		
091	NGC 6705	Jun–Oct						x	x	x	x	x		
092	NGC 6723	May–Oct					x	x	x	x	x	x		
093	Bernes 157	May–Oct					x	x	x	x	x	x		
094	NGC 6744	Jul–Jan	x						x	x	x	x	x	x
095	NGC 6752	Jul–Jan	x						x	x	x	x	x	x
096	NGC 6809	May–Oct					x	x	x	x	x	x		
097	Melotte 227	Jan–Dec	x	x	x	x	x	x	x	x	x	x	x	x
098	NGC 7089	Aug–Nov								x	x	x	x	
099	NGC 7099	Aug–Nov								x	x	x	x	
100	NGC 7293	Aug–Nov								x	x	x	x	

Column headings:

(1) Object identifier

(14) Period of visibility

(15) 'X' indicates month of mid-evening visibility

Summary

Type	numObj
Open clusters	40
Globular clusters	24
Galaxies	15
Planetary nebulae	8
Bright nebulae	7
Dark nebulae	5
Star cloud	1

Catalogue source	numObj
NGC	86
IC	6
Other	8
Bennett	44
Messier	29

Number of objects visible per month

Jn	Fb	Mr	Ap	My	Jn	Jl	Ag	Sp	Oc	Nv	Dc
46	62	58	58	73	49	53	52	59	45	46	45