

SAA 100**Best Non-Messier Objects, Alphabetically by Constellation**

Object types:

Gal = galaxy OC = open cluster GC = globular cluster PN = planetary nebula BN = bright nebula DN = dark nebula SNR = supernova remnant

Object	Type	Con	VMag	Size	RA	Dec	Pop. Name	Notes
NGC 752	OC	And	5.7	50.0'	01h 57m 51s	+37° 41' 05"		
NGC 891	Gal	And	9.9	14.0'x3.0'	02h 22m 36s	+42° 20' 50"		edge-on spiral w/prominent dust lane
NGC 7662	PN	And	8.6	17.0"x14.0"	23h 25m 57s	+42° 32' 44"	Blue Snowball Nebula	
NGC 6781	PN	Aql	11.8	1.9'x1.8'	19h 18m 28s	+06° 32' 46"		
NGC 7009	PN	Aqr	8.3	28.0"x23.0"	21h 04m 15s	-11° 21' 49"	Saturn Nebula	
NGC 7293	PN	Aqr	6.3	16.0'x12.0'	22h 29m 40s	-20° 47' 23"	Helical Nebula	
NGC 6397	GC	Ara	5.7	25.7'	17h 40m 43s	-53° 40' 33"		one of the nearest Globulars
NGC 1907	OC	Aur	8.2	7.0'	05h 28m 00s	+35° 18' 53"		
NGC 1502	OC	Cam	6.9	8.0'	04h 07m 45s	+62° 19' 49"		near SE end of Kemble's Cascade
Kemble's Cascade	Asterism	Cam			03h 57m 30s	+63° 04' 13"		Beautiful chain of about 20 mag. 5...9 stars; coordinates are for SAO 12969, a mag. 5 star in the middle of the Cascade
NGC 2403	Gal	Cam	8.5	17.8'	07h 36m 55s	+65° 35' 42"		
NGC 3372	BN	Car		120.0'x120.0'	10h 43m 47s	-59° 52' 01"	Eta Carina Nebula	
NGC 3532	OC	Car	3.0	55.0'	11h 06m 23s	-58° 40' 03"		
NGC 225	OC	Cas	7.0	12.0'	00h 43m 28s	+61° 47' 06"		
NGC 457	OC	Cas	6.4	13.0'	01h 19m 10s	+58° 20' 02"	Owl Cluster	
NGC 654	OC	Cas	6.5	5.0'	01h 44m 10s	+61° 53' 00"		
NGC 659	OC	Cas	7.9	5.0'	01h 44m 16s	+60° 42' 00"		
NGC 663	OC	Cas	7.1	16.0'	01h 46m 04s	+61° 15' 00"		
Stock 2	OC	Cas	4.4	60.0'	02h 15m 04s	+59° 15' 58"	Muscleman Cluster	
NGC 7789	OC	Cas	6.7	16.0'	23h 57m 04s	+56° 44' 09"		
NGC 3766	OC	Cen	5.3	12.0'	11h 36m 05s	-61° 37' 04"		
NGC 5128	Gal	Cen	6.8	18.2'x14.5'	13h 25m 29s	-43° 01' 07"	Centaurus A	strong radio source
NGC 5139	GC	Cen	3.7	36.3'	13h 26m 46s	-47° 28' 45"	Omega Centauri	best GC in the sky
NGC 40	PN	Cep	10.7	1.0'x0.7'	00h 13m 08s	+72° 31' 47"		
NGC 6939	OC	Cep	7.8	8.0'	20h 31m 27s	+60° 38' 22"		
IC 1396	BN	Cep	3.5	154.0'x140.0'	21h 39m 09s	+57° 46' 58"		

King 10	OC	Cep		3.0'	22h 54m 58s	+59° 10' 16"		
NGC 247	Gal	Cet	9.1	20.0'x7.0'	00h 47m 11s	-20° 45' 21"		
NGC 2359	BN	CMa		8.0'	07h 17m 48s	-13° 12' 54"	Thor's Helmet; Duck Nebula	Wolf-Rayet remnant
NGC 2360	OC	CMa	7.2	13.0'	07h 17m 48s	-15° 36' 53"		
NGC 2362	OC	CMa	4.1	8.0'	07h 18m 48s	-24° 56' 51"		
Mel 111	OC	Com	1.8	275.0'	12h 25m 00s	+26° 00' 07"	Coma Berenices Star Cluster	
NGC 4565	Gal	Com	9.6	15.5'x1.9'	12h 36m 20s	+25° 59' 23"	Bernice's Hair Clip	classic edge-on spiral with dust lane
Abell 1656	Gal cluster	Com	11.0	120.0'	12h 59m 48s	+27° 59' 04"	Coma Gal Cluster	tough in 8-12" aperture
NGC 4038	Gal	Cor	10.3	2.6'x1.8'	12h 01m 53s	-18° 51' 55"	The Antennae; Ringtail Gal	interacting with NGC 4039
NGC 4039	Gal	Cor	10.6	3.2'x2.2'	12h 01m 54s	-18° 53' 07"	The Antennae	interacting with NGC 4038
NGC 4361	PN	Cor	10.3	1.3'	12h 24m 30s	-18° 47' 38"		
NGC 4755	OC	Cru	4.2	10.0'	12h 53m 35s	-60° 20' 08"	Jewel Box Cluster; Kappa Crucis	
NGC 4244	Gal	CVn	10.4	18.5'x2.3'	12h 17m 29s	+37° 48' 28"		
NGC 4631	Gal	CVn	9.2	17.0'x3.5'	12h 42m 11s	+32° 32' 42"		same LP field as NGC 4656
NGC 4656	Gal	CVn	10.5	22.0'x3.0'	12h 43m 58s	+32° 10' 21"		same LP field as NGC 4631
Albireo	Star	Cyg	3.1		19h 30m 45s	+27° 57' 55"		superb double star; blue-white/yellow
NGC 6819	OC	Cyg	7.3	5.0'	19h 41m 20s	+40° 11' 22"		
NGC 6826	PN	Cyg	8.8	27.0"x24.0"	19h 44m 53s	+50° 31' 42"	Blinking Planetary	
NGC 6888	BN	Cyg		20.0'x10.0'	20h 12m 14s	+38° 20' 21"	Crescent Nebula	
NGC 6960	SNR	Cyg		70.0'x6.0'	20h 45m 38s	+30° 43' 20"	Western Veil	
NGC 6992	SNR	Cyg		25.0'x20.0'	20h 56m 14s	+31° 04' 20"	Eastern Veil	
NGC 7000	BN	Cyg		175.0'x110.0'	20h 58m 32s	+44° 33' 21"	North American Nebula	large; often easier in binoculars than telescope
NGC 2070	BN	Dor	8.3	5.0'	05h 38m 39s	-69° 04' 51"	Tarantula Nebula	in Lg. Magellanic Cloud
NGC 5907	Gal	Dra	10.3	12.8'x1.8'	15h 15m 52s	+56° 19' 48"		
NGC 6543	PN	Dra	8.3	22.0"x16.0"	17h 58m 36s	+66° 38' 17"	Cat's Eye Nebula	
NGC 1535	PN	Eri	10.4	20.0"x17.0"	04h 14m 16s	-12° 44' 16"		multiple shells
Fornax Gal. Cluster	Gal cluster	For		3°x2°	03h 38m 31s	-35° 26' 40"		approx. 20 galaxies brighter than mag. 13

NGC 2158	OC	Gem	8.6	5.0'	06h 07m 33s	+24° 05' 56"		
NGC 2392	PN	Gem	8.6	47.0"x43.0"	07h 29m 10s	+20° 54' 42"	Eskimo Nebula; Clown Face	
NGC 6210	PN	Her	9.7	20.0"x13.0"	16h 44m 30s	+23° 48' 46"		
NGC 3242	PN	Hya	8.6	40.0"x35.0"	10h 24m 48s	-18° 38' 14"	Ghost of Jupiter	
NGC 2903	Gal	Leo	9.0	13.3'x6.0'	09h 32m 10s	+21° 29' 58"		
IC 418	PN	Lep	10.7	14.0"x11.0"	05h 27m 30s	-12° 41' 32"		
NGC 2232	OC	Mon	3.9	30.0'	06h 26m 37s	-04° 44' 54"		
NGC 2237	BN	Mon	5.5	70.0'x80.0'	06h 32m 19s	+04° 59' 03"	Rosette Nebula	OC NGC 2244 embedded in nebula
NGC 2244	OC	Mon	4.8	24.0'	06h 32m 25s	+04° 52' 03"		involved with Rosette Neb. (NGC 2237)
NGC 2261	BN	Mon		2.0'x1.0'	06h 39m 13s	+08° 44' 01"	Hubble's Variable Nebula	
NGC 2264	OC	Mon	3.9	30.0'x60.0'	06h 40m 58s	+09° 53' 42"	Christmas Tree Cluster; Cone Nebula	includes naked-eye S Mon (15 Mon)
NGC 2301	OC	Mon	6.0	12.0'	06h 51m 49s	+00° 28' 04"		
B 59, 65-7	DN	Oph		300.0'	17h 21m 02s	-26° 59' 58"	Pipe Nebula (stem)	
NGC 6369	PN	Oph	11.0	30.0"x29.0"	17h 29m 22s	-23° 45' 37"		
B 78	DN	Oph		200.0'	17h 33m 02s	-25° 59' 58"	Pipe Nebula (bowl)	
IC 4665	OC	Oph	4.2	41.0'	17h 46m 20s	+05° 43' 08"		
NGC 6572	PN	Oph	9.0	15.0"x12.0"	18h 12m 09s	+06° 51' 01"		
NGC 6633	OC	Oph	4.6	27.0'	18h 27m 43s	+06° 34' 14"		
NGC 1973	BN	Ori		5.0'x5.0'	05h 35m 09s	-04° 43' 56"	part of Running Man Nebula	
NGC 1975	BN	Ori		10.0'x5.0'	05h 35m 21s	-04° 40' 56"	part of Running Man Nebula	
NGC 1977	BN	Ori		20.0'x10.0'	05h 35m 27s	-04° 49' 56"	part of Running Man Nebula	42 Orionis nebula
NGC 2169	OC	Ori	5.9	7.0'	06h 08m 27s	+13° 56' 59"	"37" Cluster	
NGC 2174	BN	Ori		25.0'x20.0'	06h 10m 01s	+20° 33' 58"		
NGC 6545	Gal	Pav	13.2	1.0'x0.9'	18h 12m 18s	-63° 46' 45"	Needle Galaxy	
NGC 7331	Gal	Peg	9.5	11.4'x4.0'	22h 37m 08s	+34° 25' 27"	Little And Gal	
NGC 869	OC	Per	5.3	30.0'	02h 19m 03s	+57° 08' 58"	Double Cluster	w/NGC 884
NGC 884	OC	Per	6.1	30.0'	02h 22m 27s	+57° 06' 57"	Double Cluster	w/NGC 869

NGC 1023	Gal	Per	9.4	9.0'x4.0'	02h 40m 27s	+39° 03' 47"		
Mel 20	OC	Per	1.2	185.0'	03h 22m 03s	+48° 59' 56"	Alpha Persei Association	
NGC 1528	OC	Per	6.4	24.0'	04h 15m 24s	+51° 13' 49"		
NGC 2438	PN	Pup	11.0	1.1'	07h 41m 51s	-14° 44' 06"		in foreground of M 46
NGC 2467	BN	Pup	7.1	15.0'	07h 52m 30s	-26° 22' 52"		use UHC or O-III filter; includes loose cluster of mag. 8-12 stars
NGC 253	Gal	ScI	7.2	25.0'x7.0'	00h 47m 35s	-25° 17' 01"		edge-on spiral
NGC 6231	OC	Sco	2.6	15.0'	16h 54m 01s	-41° 48' 06"	Table of Scorpius	zeta Sco complex
NGC 3115	Gal	Sex	8.9	8.3'x3.2'	10h 05m 14s	-07° 43' 06"	Spindle Gal	
Mel 25	OC	Tau	0.5	330.0'	04h 27m 02s	+16° 00' 03"	Hyades	Aldebaran not a member
NGC 104	GC	Tuc	4.0	30.9'	00h 24m 10s	-72° 04' 37"	47 Tucanae	
NGC 2841	Gal	Uma	9.2	7.4'x3.5'	09h 22m 01s	+50° 58' 21"		
NGC 3877	Gal	Uma	11.0	5.6'x1.2'	11h 46m 07s	+47° 29' 37"		
Markarian's Chain	Gal chain	Vir			12h 25m 04s	+12° 53' 16"		string of bright galaxies; covers 3 degrees of sky, starting with M84 & M86 in Virgo, ending with NGCs 4459 & 4474 in Coma Berenices; coordinates are for M 84
3C 273	Quasar	Vir	12.0		12h 29m 06s	+02° 03' 01"		brightest quasar; most remote object visible in modest amateur telescopes (~ 2 billion light years)
NGC 4526	Gal	Vir	9.7	7.0'x2.7'	12h 34m 03s	+07° 42' 03"	Lost Gal	
NGC 4567	Gal	Vir	11.3	3.0'x2.5'	12h 36m 33s	+11° 15' 33"	Siamese Twins	overlaps NGC 4568
NGC 4568	Gal	Vir	10.8	5.1'x2.4'	12h 36m 35s	+11° 14' 17"	Siamese Twins	overlaps NGC 4567
NGC 5746	Gal	Vir	10.3	7.4'x1.1'	14h 44m 57s	+01° 57' 20"		
Cr 399	Asterism	Vul	3.6	60.0'	19h 25m 26s	+20° 11' 18"	Brocchi's Cluster; The Coathanger	once assumed to be a OC; data from Hipparcos spacecraft shows it to be a chance alignment of stars
NGC 6885	OC	Vul	8.1	7.0'	20h 12m 02s	+26° 29' 20"		