

NGC #	Other Designations	Common Name	Object Type	Constellation	RA	DEC	Mag	Size	Notes
	HR 9094		DS	Cas	00 03.0	66 10	5.84/7.29		15.2" sep
7814	C43	Little Sombrero	SG	Peg	00 03.9	16 16	10.6	5'x2'	edge on spiral
55		C72	SG	Scl	00 15.8	-39 09	7.9	31'x6'	
224	M31	Andromeda Galaxy	SG	And	00 43.5	41 21	3.4	190'x60'	low pwr EP, or binoculars
247	C62		SG	Cet	00 47.8	-20 41	9.1	19'x5'	
253		Silver Dollar, Sculptor	SG	Scl	00 48.2	-25 13	7.2	29'x7'	
281		Pacman Nebula	BN	Cas	00 53.6	56 40	7.4	35'	
404		Mirach's Ghost	EG	And	01 10.1	35 47	10.3	3.5'	block out Mirach
457	C13	Owl Cluster, ET Cluster	OC	Cas	01 20.5	58 21	6.4	20'	
752	C28		OC	And	01 58.5	37 51	5.7	75'	low pwr EP
869 / 884	C14	Double Cluster	Dbl OC	Per	02 19.9	57 11	5.3	18'	
1039	M34		OC	Per	02 42.9	42 48	5.2	35'	
1232			SG	Eri	03 10.2	-20 32	9.9	7'x6'	
1365			SG	For	03 34.1	-36 06	9.6	11x6'	Barred Spiral
	M45	Pleiades, Subaru	OC	Tau	03 47.8	24 09	1.5	120'	low pwr EP, or binoculars
1502		NGC 1502 & Kemble's Cascade	OC/AST	Cam	04 09.0	62 21	6.9	150'	low pwr EP, or binoculars
	HR 1602	Hind's Crimson Star	VS	Lep	05 00.2	-14 47	8.0		carbon star
	IC 405, C 31	Flaming Star Nebula	EN	Aur	05 17.0	34 17	10	30x19'	
	IC 418		PN	Lep	05 28.0	-12 41	9.3	12"	
1912	M38	Starfish Cluster	OC	Aur	05 29.0	35 51	7.4	21'	
1952	M1	Crab Nebula	SNR	Tau	05 34.5	22 01	8.4	6'x4'	
1976		Trapezium Cluster	OC	Ori	05 35.6	-5 23	4	47"	high pwr EP
2024		Flame Nebula	EN	Ori	05 42.4	-1 52	10	30'x30'	block out Alnitak
2169			OC	Ori	06 09.1	13 57	5.7	7'	asterism "37"
2175			BN/OC	Ori	06 09.8	20 19	6.8	18'	
2261	C46	Hubble Variable Nebula	EN/RN	Mon	06 39.9	8 45	9.2	4'x2'	
2264		Cone Neb & Xmas Tree Cluster	OC/BN	Mon	06 41.7	9 52	3.9	39'	
2287	M41		OC	CMa	06 46.5	-20 46	4.5	39'	
2359		Thor's Helmet, Duck Nebula	EN/RN	CMa	07 19.2	-13 14	11.5	8'x6'	OIII/NPB helpful
2362	C64	Tau Canis Majoris Cluster	OC	CMa	07 19.3	-24 59	4.1	8'	
2392	C39	Eskimo Nebula, Clown Face	PN	Gem	07 30.0	20 53	9.2	0.8x0.7'	OIII/NPB helpful
2437	M46		OC/PN	Pup	07 42.2	-14 50	6.1	20'	sketch with 2438 PN

2447	M93		OC	Pup	07 45.0	-23	53	6.2	10'	
2467		Skull & Crossbones Nebula	BN/OC	Pup	07 52.6	-26	30	7.1	15'	
	Gamma Vela	Regor	DS	Vel	08 09.9	-47	13	1.78/4.27	41"	
3031	M81, M82	Bode's Nebula	SG	UMA	09 57.0	69	37	6.9/8.4	11x4'	
3079			SG	Uma	10 02.9	55	37	10.9	8'x1'	
3115	C53	Spindle Galaxy	EG	Sex	10 05.9	-7	47	8.9	7'x2'	
3372	C92	Eta Carinae Nebula	BN	Car	10 44.2	-59	56	1.0	120'	low pwr, OII NPB helpful
3368 / 3351	M96, M95		SG	Leo	10 47.5	11	45	10.5	60'x40'	
3623 /3627 3628	M65, M66, NGC 3628	Leo Triplet	SG Group	Leo	11 19.6	13	01	9.3		
4038 / 4039	C60	Antenna Galaxies, Rat Tail	SG	Cor	12 02.5	-18	56	10.3	3'x2'	
4374	M84, M86	Markarian's Chain	EG	Vir	12 25.7	12	49	9.1		M84 brightest in cluster
4490 & 4485		Cocoon Galaxies	SG	CVn	12 31.2	41	34	9.8	6'x3'	
	Struve 1659	Stargate	Ast	Cor	12 36.5	-12	06	7.92/7.50		27.4' sep
4565	C38	Needle Galaxy	SG	Com	12 37.0	25	55	9.6	15'x2'	edge on gx
4567		Siamese Twins Galaxy	SG	Vir	12 37.2	11	11	11.3	3'x2'	
4594	M104	Sombrero	SG	Vir	12 40.6	-11	42	8.0	8'x4'	
4631/4627	C32	Whale Galaxy, Herring Galaxy	SG	CVn	12 42.8	32	28	9.2	15'x3'	companion is 12th mag
4656		Hockey Stick	SG	CVn	12 44.6	32	06	10.5	15'x2'	
4945	C83		SG	Cen	13 06.2	-49	32	8.4	19'x4'	edge on spgx
5024	M53		GC	Com	13 13.5	18	10	7.6	13'	
5139		Omega Centauri	GC	Cen	13 27.6	-47	33	3.7	10'	
5194	M51	Whirlpool Galaxy	SG	CVn	13 30.4	47	08	8.4	11'x7'	and companion 5195
		17 and 21 Boo	DS	Boo	14 13.9	51	43	4.5/6.6/4.5/6.5	14'	yellow/white dbl stars
5694			GC	Hyd	14 40.4	-26	36	10.2	0.8'	include star trail
5746			SG	Vir	14 45.6	1	54	10.6	7'x 1'	
5904	M5		GC	Ser	15 19.3	2	05	6.5	23'	
6093	M80		GC	Sco	16 17.8	-23	00	7	1.2'	
6121	M4		GC	Sco	16 23.6	-26	32	5.9	26'	
6205	M13		GC	Her	16 41.7	36	28	5.8	20'	
6210		Turtle Nebula	PN	Her	16 45.1	23	46	8.8	0.3'x0.2'	
6231	C76	Northern Jewel Box	OC	Sco	16 55.0	-41	50	2.6	14'	low pwr, binoc
6402	M 14		GC	Oph	17 38.3	-3	15	8.3	11'	
6405	M6	Butterfly Cluster	OC	Sco	17 40.1	-32	13	4.2	25'	
6451		Tom Thumb Cluster	OC	Sco	17 51.5	-30	12	8.0	7'	

6523	M8	Lagoon Nebula	EN	Sag	18 03.1	-24	23	6.0	90'x40'	
6514 / 6531	M20, M21	Trifid Nebula	OC/EN	Sag	18 03.3	-23	02	6.3	72'	
6520 & B86			OC/DN	Sag	18 03.4	-27	53	7.0	30'x30'	
6611	M16	Eagle Nebula	EN/OC	Ser	18 18.8	-13	47	6.5	7'	
6618	M17	Omega, Swan Nebula	BN/OC	Sag	18 20.8	-16	11	7.0	11'	
	Epsilon 1 & 2 Lyrae	Double Double	DS	Lyr	18 44.7	39	41	5.0	3'	2.4" & 2.3" seps
6705		Wild Duck Cluster	OC	Sct	18 51.1	-6	16	7.0	14'	
6720	M57	Ring Nebula	PN	Lyr	18 54.1	33	03	8.8	1.4'x1'	OIII/NPB helpful, high pwr
6723			GC	Sag	19 00.0	-36	37	7.0	3'	
6729	C68	NGC 6729, 6726, HR 7169	RN/DS	CrA	19 02.8	-36	56			RN & double stars
	Albireo		DS	Cyg	19 03.3	27	59			
6791			OC	Lyr	19 21.3	37	48	9.5	10'	
	Collinder 399	Coathanger, Brocchi's	Ast	Vul	19 25.9	20	13	3.6	60'	
6818 / 6822		Little Gem & Barnards Gx	PN/IG	Sag	19 44.7	-14	07			wide FOV, low mag
6819		Fox Head Cluster	OC	Cyg	19 41.3	40	11	7.0	5'	
6853	M27	Dumbbell, Apple Core	PN	Vul	20 00.1	22	45	7.0	8'x6'	
6888	C27	Crescent Nebula	EN	Cyg	20 13.0	38	28	7.4	20'x10'	
6910		Rocking Horse Cluster	OC	Cyg	20 23.7	40	49	7.4	10'	
6946	C12	Fireworks Galaxy	SG	Cyg	20 35.1	60	12	8.8	11'x10'	
6960	C34	Veil Nebula West	SNR	Cyg	20 46.3	30	46	5.0	80'x6'	OIII/NPB helpful, low pwr
6995	C33	Veil Nebula East	SNR	Cyg	20 57.0	31	46	5.0	60'x30'	OIII/NPB helpful, low pwr
7008		Fetus Nebula	PN	Cyg	21 00.9	54	32	11	1.4'x1.1'	OIII/NPB helpful, high pwr
7009	C55	Saturn Nebula	PN	Aqu	21 04.9	-11	19	7.8	0.5'x0.4'	OIII/NPB helpful, high pwr
7026	ARO 59		PN	Cyg	21 06.7	47	55	10.9	0.5'x0.2'	OIII/NPB helpful, high pwr
7078	M15		GC	Peg	21 30.0	12	10	6.2	18'	
	HR 8316, Mu Cephei	Herschel's Garnet Star	VS	Cep	21 43.9	58	51	4.0		
7243	C16		OC	Lac	22 15.6	49	57	6.4	29'	
7293	C63	Helix Nebula, Eye of God	PN	Aqu	22 30.4	-20	46	7.6	25'	OIII/NPB helpful, low pwr
7635	C11	Bubble Nebula	BN	Cas	23 21.3	61	16	11	15'x8'	Star hop from M52
7654	M52		OC	Cas	23 25.4	61	39	7	15'	
7662	C22	Blue Snowball	PN	And	23 26.5	42	37	8.3	0.5'	OIII/NPB helpful, high pwr
		Bowl of Stars	Ast	Cas	23 55.0	56	30	8	120'	wide field EP, binoculars
7789		Caroline's Rose	OC	Cas	23 57.4	56	42	6.0	25'	

	Atlas & Hercules	4 days lunation	Lunar							
	Theophilus	6 days lunation	Lunar							
	Rupes Recta	8 days lunation	Lunar							
	Cassini Crater	8 days lunation	Lunar							
	Clavius	10 days lunation	Lunar							
	Keppler	14 days lunation	Lunar							
	Mare Imbrium	14 days lunation	Lunar							
	Jupiter		Planet							
	Saturn		Planet							
	Mars		Planet							
	Sunspots		Other							use Proper Solar Filters
	Comet		Other							including starfield
	Eclipse		Other							lunar or solar
	Conjunction		Other							naked eye or binocular

DS=Double Star
 VS=Variable Star
 GC=Globular Cluster
 OC=Open Cluster
 SG=Spiral Galaxy
 EG=Elliptical Galaxy
 IG=Irregular Galaxy

PN=Planetary Nebula
 EN=Emission Nebula
 RN=Reflection Nebula
 BN=Bright Nebula
 DN=Dark Nebula
 Band Filter
 OIII=Oxygen III Filter

Ast=Asterism
 SNR=Super Nova Remnant