

Object	Popular	Type	Mag	Const	Size	RA	RA	Description	Notes
NGC 752		OPNCL	5.7	And	50.0'	01h 57m 51s	+37° 41' 05"	Cl, vL, Ri, st L & sc	
NGC 891		GALXY	9.9	And	14.0"x3.0'	02h 22m 36s	+42° 20' 50"	! B, vL, vmE 22deg	edge-on spiral w/prominent dust lane
NGC 7662	Blue Snowball Nebula	PLNNB	8.6	And	17.0"x14.0"	23h 25m 57s	+42° 32' 44"	!!! PN or ring, vB, pS, R, blue, variable Nucl	
NGC 6781		PLNNB	11.8	Aql	1.9"x1.8'	19h 18m 28s	+06° 32' 46"	PN, F, L, R, vsbM disc, S* nf	
NGC 7009	Saturn Nebula	PLNNB	8.3	Aqr	28.0"x23.0"	21h 04m 15s	-11° 21' 49"	!!!, PN, vB, S, elliptic	
NGC 7293	Helical Nebula	PLNNB	6.3	Aqr	16.0"x12.0'	22h 29m 40s	-20° 47' 23"	! pF, vL, E or biN	
NGC 6397		GLBCL	5.7	Ara	25.7'	17h 40m 43s	-53° 40' 33"	glob. cl., B, vL, Ri, st 13	one of the nearest globular clusters
NGC 1907		OPNCL	8.2	Aur	7.0'	05h 28m 00s	+35° 18' 53"	Cl, pRi, pC, R, st 9...12	
NGC 1502		OPNCL	6.9	Cam	8.0'	04h 07m 45s	+62° 19' 49"	Cl, pRi, cC, iF	at SE end of Kemble's Cascade
Kemble's Cascade	Kemble's Cascade	ASTER	5.0	Cam	2.5°	03h 57m 30s	+63° 04' 13"		chain of ~20 mag. 5...9 stars; first described by Kemble; best in binoculars or RFT
NGC 2403		GALXY	8.5	Cam	17.8'	07h 36m 55s	+65° 35' 42"	!! cB, eL, vmE, vgbMN	
NGC 3372	Eta Carina Nebula	BRTNB		Car	120.0"x120'	10h 43m 47s	-59° 52' 01"	! great neb, eta Car	
NGC 3532		OPNCL	3.0	Car	55.0'	11h 06m 23s	-58° 40' 03"	!!, Cl, eL, R, IC, st 8...12	
NGC 225		OPNCL	7.0	Cas	12.0'	00h 43m 28s	+61° 47' 06"	Cl, L, IC, st 9...10	
NGC 457	Owl Cluster	OPNCL	6.4	Cas	13.0'	01h 19m 10s	+58° 20' 02"	Cl, B, L, pRi, st 7, 8, 10	
NGC 654		OPNCL	6.5	Cas	5.0'	01h 44m 10s	+61° 53' 00"	Cl, iF, Ri, one *6-7, st 11...14	
NGC 659		OPNCL	7.9	Cas	5.0'	01h 44m 16s	+60° 42' 00"	Cl, lRi, st B	
NGC 663		OPNCL	7.1	Cas	16.0'	01h 46m 04s	+61° 15' 00"	Cl, B, L, eRi, st pL	
Stock 2	Muscleman Cluster	OPNCL	4.4	Cas	60.0'	02h 15m 04s	+59° 15' 58"		
NGC 7789		OPNCL	6.7	Cas	16.0'	23h 57m 04s	+56° 44' 09"	Cl, vL, vRi, vmC, st 11...18	
NGC 3766		OPNCL	5.3	Cen	12.0'	11h 36m 05s	-61° 37' 04"	Cl, pL, pRi, pC, st 8...13	
NGC 5128		GALXY	6.8	Cen	18.2"x14.5'	13h 25m 29s	-43° 01' 07"	!!, vB, vL, vmE 122deg, bifid	Centaurus A
NGC 5139	Omega Centauri	GLBCL	3.7	Cen	36.3'	13h 26m 46s	-47° 28' 45"	!!!, glob. cl., omega Cen	considered by many to be the best globular cluster in the sky
NGC 40		PLNNB	10.7	Cep	1.0"x0.7'	00h 13m 08s	+72° 31' 47"	F, vS, R, vsbMB, *12 sp	
NGC 6939		OPNCL	7.8	Cep	8.0'	20h 31m 27s	+60° 38' 22"	Cl, pL, eRi, pCM, st 11...16	
IC 1396		BRTNB	3.5	Cep	154.0"x140'	21h 39m 09s	+57° 46' 58"	neb part of Milky Way	
King 10		OPNCL		Cep	3.0'	22h 54m 58s	+59° 10' 16"		faint, but very nice OC in larger apertures
NGC 247		GALXY	9.1	Cet	20.0"x7.0'	00h 47m 11s	-20° 45' 21"	F, eL, vmE 172deg	
NGC 2359	Thor's Helmet; Duck Nebula	BRTNB		Cma	8.0'	07h 17m 48s	-13° 12' 54"	!!, vF, vvL, viF	Wolf-Rayet remnant
NGC 2360		OPNCL	7.2	Cma	13.0'	07h 17m 48s	-15° 36' 53"	Cl, vL, Ri, pC, st 9...12	
NGC 2362		OPNCL	4.1	Cma	8.0'	07h 18m 48s	-24° 56' 51"	Cl, pL, Ri (30 Cma)	
Mel 111	Coma Berenices Star Cluster	OPNCL	1.8	Com	275.0'	12h 25m 00s	+26° 00' 07"		
NGC 4565	Bernice's Hair Clip	GALXY	9.6	Com	15.5"x1.9'	12h 36m 20s	+25° 59' 23"	B, eL, eE 135deg, vsbMN = *10-11	classic edge-on spiral with dust lane
Abell 1656	Coma Galaxy Cluster	GALCL	11.0	Com	120.0'	12h 59m 48s	+27° 59' 04"		difficult in 8-12" aperture
NGC 4038	The Antennae; Ringtail Galax	GALXY	10.3	Crv	2.6"x1.8'	12h 01m 53s	-18° 51' 55"	pB, cL, R, vgbM	interacting with NGC 4039
NGC 4039	The Antennae	GALXY	10.6	Crv	3.2"x2.2'	12h 01m 54s	-18° 53' 07"	pF, pL	interacting with NGC 4038
NGC 4361		PLNNB	10.3	Crv	1.3'	12h 24m 30s	-18° 47' 38"	vB, L, R, vsbMB, r	
NGC 4755	Jewel Box Cluster; Kappa Cr	OPNCL	4.2	Cru	10.0'	12h 53m 35s	-60° 20' 08"	Cl, vL, st vB (kappa Cru)	
NGC 4244		GALXY	10.4	CVn	18.5"x2.3'	12h 17m 29s	+37° 48' 28"	pB, vL, eE 43deg, vgbM	
NGC 4631		GALXY	9.2	CVn	17.0"x3.5'	12h 42m 11s	+32° 32' 42"	!, vB, vL, eE 70deg +/-, bMN, *12 att n	same LP field as NGC 4656
NGC 4656		GALXY	10.5	CVn	22.0"x3.0'	12h 43m 58s	+32° 10' 21"	!, pB, L, vmE 34deg, sp of 2	same LP field as NGC 4631
Albireo		2STAR	3.1	Cyg		19h 30m 45s	+27° 57' 55"		superb double star; blue-white/yellow
NGC 6819		OPNCL	7.3	Cyg	5.0'	19h 41m 20s	+40° 11' 22"	Cl, vL, vRi, st 11...15	
NGC 6826	Blinking Planetary	PLNNB	8.8	Cyg	27.0"x24.0"	19h 44m 53s	+50° 31' 42"	PN, B, pL, R, *11 M	
NGC 6888	Crescent Nebula	BRTNB		Cyg	20.0"x10.0'	20h 12m 14s	+38° 20' 21"	F, vL, vmE, ** att	
NGC 6960	Western Veil	SR		Cyg	70.0"x6.0'	20h 45m 38s	+30° 43' 20"	!! pB, cL, eiF, 52 Cyg inv	
NGC 6992	Eastern Veil	SR		Cyg	25.0"x20.0'	20h 56m 14s	+31° 04' 20"	!!, eF, eL, eE, eiF, bifurcated	
NGC 7000	North American Nebula	BRTNB		Cyg	175.0"x110'	20h 58m 32s	+44° 33' 21"	F, eeL, dif nebulosity	large; often easier in binoculars than in telescope
NGC 2070	Tarantula Nebula	BRTNB	8.3	Dor	5.0'	05h 38m 39s	-69° 04' 51"	!!! vB, vL, looped	in Lg. Magellanic Cloud
NGC 5907		GALXY	10.3	Dra	12.8"x1.8'	15h 15m 52s	+56° 19' 48"	cB, vL, vmE 155deg, vg, psbMN	
NGC 6543	Cat's Eye Nebula	PLNNB	8.3	Dra	22.0"x16.0"	17h 58m 36s	+66° 38' 17"	PN, vB, pS, sbMvSN	
NGC 1535		PLNNB	10.4	Eri	20.0"x17.0"	04h 14m 16s	-12° 44' 16"	PN, vB, S, R, pS, vsbM, r	multiple shells
Fornax Gal. Cluster		GALCL		For	3"x2°	03h 38m 31s	-35° 26' 40"		approx. 20 galaxies brighter than mag. 13
NGC 2158		OPNCL	8.6	Gem	5.0'	06h 07m 33s	+24° 05' 56"	Cl, pS, mC, vRi, irr triangle st eS	
NGC 2392	Eskimo Nebula; Clown Face	PLNNB	8.6	Gem	47.0"x43.0"	07h 29m 10s	+20° 54' 42"	B, S, R, *9 M, *8 nf 100"	
NGC 6210		PLNNB	9.7	Her	20.0"x13.0"	16h 44m 30s	+23° 48' 46"	PN, vB, vS, R, disc & border (Nucl variable?)	
NGC 3242	Ghost of Jupiter	PLNNB	8.6	Hyd	40.0"x35.0"	10h 24m 48s	-18° 38' 14"		
NGC 2903		GALXY	9.0	Leo	13.3"x6.0'	09h 32m 10s	+21° 29' 58"	cB, vL, E, gmbM, r, sp of 2	
IC 418		PLNNB	10.7	Lep	14.0"x11.0"	05h 27m 30s	-12° 41' 32"	plan = *9.2 (gaseous sp)	

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NGC 2232		OPNCL	3.9	Mon	30.0'	06h 26m 37s	-04° 44' 54"	B* (10 Mon) + Cl	
NGC 2237	Rosette Nebula	BRTNB	5.5	Mon	70.0'x80.0'	06h 32m 19s	+04° 59' 03"	pB, vvL, dif, part of eL nebs ring ar 2239	OC NGC 2244 embedded in nebula
NGC 2244		OPNCL	4.8	Mon	24.0'	06h 32m 25s	+04° 52' 03"	B, vmE 330deg , N com = *11	involved with Rosette Neb. (NGC 2237)
NGC 2261	Hubble's Variable Nebula	BRTNB		Mon	2.0'x1.0'	06h 39m 13s	+08° 44' 01"	B, vmE 330deg , N com = *11	fan-shaped; changes in appearance occur on a time scale of days or weeks
NGC 2264	Christmas Tree Cluster	OPNCL	3.9	Mon	30.0'x60.0'	06h 40m 58s	+09° 53' 42"	eL neb, 3deg diam, densest 12' sp 15 Mon	includes naked-eye S Mon (15 Mon)
NGC 2301		OPNCL	6.0	Mon	12.0'	06h 51m 49s	+00° 28' 04"	Cl, Ri, L, iF, st L & S	
B 59, 65-7	Pipe Nebula (stem portion)	DRKNB		Oph	300.0'	17h 21m 02s	-26° 59' 58"		
NGC 6369		PLNNB	11.0	Oph	30.0'x29.0"	17h 29m 22s	-23° 45' 37"	!! ring , pB, S, R	
B 78	Pipe Nebula (bowl portion)	DRKNB		Oph	200.0'	17h 33m 02s	-25° 59' 58"		
IC 4665		OPNCL	4.2	Oph	41.0'	17h 46m 20s	+05° 43' 08"	Cl, co	
NGC 6572		PLNNB	9.0	Oph	15.0'x12.0"	18h 12m 09s	+06° 51' 01"	PN , vB, vS, R, l hazy	
NGC 6633		OPNCL	4.6	Oph	27.0'	18h 27m 43s	+06° 34' 14"	Cl, IC, st L	
NGC 1973	part of Running Man Nebula	BRTNB		Ori	5.0'x5.0'	05h 35m 09s	-04° 43' 56"	*8-9 inv in neb (1977)	
NGC 1975	part of Running Man Nebula	BRTNB		Ori	10.0'x5.0'	05h 35m 21s	-04° 40' 56"	B** inv in neb (1977)	
NGC 1977	part of Running Man Nebula	BRTNB		Ori	20.0'x10.0'	05h 35m 27s	-04° 49' 56"	!! , 42 Ori and neb	42 Orionis nebula
NGC 2169	"37" Cluster	OPNCL	5.9	Ori	7.0'	06h 08m 27s	+13° 56' 59"		
NGC 2174		BRTNB		Ori	25.0'x20.0'	06h 10m 01s	+20° 33' 58"	Cl, S, IRi, pmC, ** (ADS 4728)	
NGC 6545	Needle Galaxy	GALXY	13.2	Pav	1.0'x0.9'	18h 12m 18s	-63° 46' 45"	eeF, eeS, R	
NGC 7331	Little Andromeda Galaxy	GALXY	9.5	Peg	11.4'x4.0'	22h 37m 08s	+34° 25' 27"	B, pL, pmE 163deg , smbM	
NGC 869	Double Cluster	OPNCL	5.3	Per	30.0'	02h 19m 03s	+57° 08' 58"	l Cl, vvL, vRi, st 7...14	w/NGC 884
NGC 884	Double Cluster	OPNCL	6.1	Per	30.0'	02h 22m 27s	+57° 06' 57"	l Cl, vL, vRi, ruby * M	w/NGC 869
NGC 1023		GALXY	9.4	Per	9.0'x4.0'	02h 40m 27s	+39° 03' 47"	vB, vL, vmE, vvmbM	
Mel 20	Alpha Persei Association	OPNCL	1.2	Per	185.0'	03h 22m 03s	+48° 59' 56"		comprised of approx. 50 stars
NGC 1528		OPNCL	6.4	Per	24.0'	04h 15m 24s	+51° 13' 49"	Cl, B, vRi, cC	
NGC 2438		PLNNB	11.0	Pup	1.1'	07h 41m 51s	-14° 44' 06"	PN , pB, pS, vLE, r, 3s .75 d	in foreground of M 46
NGC 2467		BRTNB	7.1	Pup	15.0'	07h 52m 30s	-26° 22' 52"	pB, vL, R, er, *8 M	use UHC or O-III filter; includes loose cluster of mag. 8-12 stars
NGC 253		GALXY	7.2	Sci	25.0'x7.0'	00h 47m 35s	-25° 17' 01"	!! vvB, vvL, vmE 54deg , qbM	edge-on spiral
NGC 6231	Table of Scorpius	OPNCL	2.6	Sco	15.0'	16h 54m 01s	-41° 48' 06"	Cl, B, cL, pRi, st 10...13	zeta Scorpii complex
NGC 3115	Spindle Galaxy	GALXY	8.9	Sex	8.3'x3.2'	10h 05m 14s	-07° 43' 06"	vB, L, vmE 46deg , vgsmbMEN	
Mel 25	Hyades	OPNCL	0.5	Tau	330.0'	04h 27m 02s	+16° 00' 03"		Aldebaran not a member
NGC 104	47 Tucanae	GC	4.0	Tuc	30.9'	00h 24m 10s	-72° 04' 37"	glob. cl. !! vB, vL, vmCM	
NGC 2841		GALXY	9.2	UMa	7.4'x3.5'	09h 22m 01s	+50° 58' 21"	vB, L, vmE 151deg , vsmbM = *10	
NGC 3877		GALXY	11.0	UMa	5.6'x1.2'	11h 46m 07s	+47° 29' 37"	B, L, mE 37deg	
Markarian's Chain		GALCL		Vir		12h 25m 04s	+12° 53' 16"		string of br. galaxies; ~3 degrees long, starting w/ M84 in Vir, ending w/ 4459 & 4474 in Com
3C 273		QUASR	12.0	Vir		12h 29m 06s	+02° 03' 01"		brightest quasar; most remote object visible in modest amateur telescopes (~ 2 billion ly)
NGC 4526	Lost Galaxy	GALXY	9.7	Vir	7.0'x2.7'	12h 34m 03s	+07° 42' 03"	vB, vL, mE 120deg +/- , psmbM, bet 2 st 7m	
NGC 4567	Siamese Twins	GALXY	11.3	Vir	3.0'x2.5'	12h 36m 33s	+11° 15' 33"	vF, L, np of Dneb (4568 at 160deg +/-)	overlaps NGC 4568
NGC 4568	Siamese Twins	GALXY	10.8	Vir	5.1'x2.4'	12h 36m 35s	+11° 14' 17"	vF, L, sf of Dneb	overlaps NGC 4567
NGC 5746		GALXY	10.3	Vir	7.4'x1.1'	14h 44m 57s	+01° 57' 20"	B, L, vmE 170deg , bMBN	
Cr 399	Brocchi's Cluster; The Coath	ASTER	3.6	Vul	60.0'	19h 25m 26s	+20° 11' 18"		once assumed to be an Open Cluster
NGC 6885		OPNCL	8.1	Vul	7.0'	20h 12m 02s	+26° 29' 20"	Cl, vB, vL, Ri, IC, st 6...11	