

Object ID	RA Dec	Type	Con	Mag	Size
M1=n1952=Crab gn=Tau A	0534.5+2201	gn	Tau	11.3 16vm*	6x4 135DEG
M2=n7089	213329-0049.4	gc	Aqr	6.6 13.1m*	12.9
M3=n5272	134211+2822.5	gc	CVn	6.3 12.7m*	16.2
M4=n6121	162336-2631.5	gc	Sco	5.4 10.8m*	35
M5=n5904	151834+0205.0	gc	Ser	5.7 12.2m*	17.4
M6=n6405=Butterfly oc=Jewel Box oc	1740.1-3212	oc	Sco	4.2 6.2m*	15.0 i
M7=n6475	1753.9-3447	oc	Sco	3.3 5.6m*	80
M8=n6523=n6530=Lagoon gn+oc	1804.7-2419	oc	Sgr	4.6 6.87m*	15
M9=n6333	171912-1831.0	gc	Oph	7.8 13.5m*	9.3 round
M10=n6254	165709-0406.0	gc	Oph	6.6 12.0m*	15.1 round
M11=n6705=Wild Duck oc="Summer Salt-and-Pepper"	1851.1-0616	oc	Sct	5.8 8.0m*	14 i
M12=n6218	164715-0156.9	gc	Oph	6.1 12.2m*	14.5 i
M13=n6205=Her gc=Great Cluster in Her	164142+3627.6	gc	Her	5.8 11.9m*	16.6 round
M14=n6402	173736-0314.8	gc	Oph	7.6 14.0m*	11.7 round
M15=n7078	212958+1210.0	gc	Peg	6.3 12.6m*	12.3 i
M16=n6611=i4703=Eagle gn=* Queen gn	1818.8-1346	gn	Ser		35x28
M17=n6618=OMEGA gn=Horseshoe gn=Swan gn=Checkmark gn	1820.7-1610	gn	Sgr	6.0 9.3m*	46x37
M18=n6613	1819.9-1706	oc	Sgr	6.9 8.65m*	9
M19=n6273	170238-2616.1	gc	Oph	6.8 14.0pm*	13.5 round
M20=n6514=Trifid gn	1802.3-2302	gn	Sgr	7.63m*	29x27
M21=n6531	1804.6-2229	oc	Sgr	5.9 7.25m*	13

M22=n6656	183624-2354.2	gc	Sgr	5.2 10.7m*	24.0 round
M23=n6494	1756.9-1901	oc	Sgr	5.5 9.21m*	27
M24=n6603=SM Sgr * Cloud	1818.5-1824	oc	Sgr	11p 14pm*	5
M25=i4725	1831.7-1914	oc	Sgr	4.6 6.7m*	32
M26=n6694	1845.2-0923	oc	Sct	8.0 10.30m*	15
M27=n6853=Dumbell pn	195936.33+224316.0	pn	Vul	7.6 13.94m*	8x5.6 i
M28=n6626	182433-2452.2	gc	Sgr	6.9 12.0m*	11.2 round
M29=n6913="H-shaped oc"	2023.9+3832	oc	Cyg	6.6 8.59m*	7
M30=n7099	214022-2310.8	gc	Cap	6.9 12.1m*	11.0 oval
M31=n224=And eg=Great Nebula in And	004244.4+411608	eg	And	3.44:4.36	190.55x61.66 35DEG
M32=n221="Nearer-to-M31 Companion"	004241.9+405155	eg	And	8.08:9.03	8.71x6.46 170DEG
M33=n598=Pinwheel eg=Tri eg	013350.9+303937	eg	Tri	5.72:6.27	70.79x41.69 23DEG
M34=n1039="Spiral oc"	0242.0+4247	oc	Per	5.2 7.33m*	35.0
M35=n2168="Swirly"	0608.8+2420	oc	Gem	5.1 8.2m*	28
M36=n1960="Pinwheel oc"	0536.1+3408	oc	Aur	6.0 8.9m*	12
M37=n2099="Winter Salt-and-Pepper"	0552.4+3233	oc	Aur	5.6 9.2m*	24
M38=n1912="*-shaped oc"	0528.6+3550	oc	Aur	6.4 9.5m*	21 i
M39=n7092	2132.2+4827	oc	Cyg	4.6 6.83m*	32
M40=sao28355	122219.071+580510.77	ms	UMa	9.0 9.3	50.1"83DEG
M41=n2287	0647.0-2043	oc	CMa	4.5 6.9m*	38 round
M42=n1976=Orion gn=Ori gn=Great Nebula in Ori	0535.3-0523	gn	Ori	5 2.9m*	66x60
M43=n1982=SMr part of Orion nebula	0535.5-0516	gn	Ori	vBT 6.85m*	20x15

M44=n2632=Praesepe=Beehive	0840.0+1959	oc	Cnc	3.1 6.3m*	95
M45=mel22=Pleiades=Seven Sisters	0347.0+2407	oc	Tau	1.2 2.87m*	110
M46=n2437	0741.8-1448	oc	Pup	6.1 8.7m*	27
M47=n2422	0736.6-1429	oc	Pup	4.4 5.68m*	30
M48=n2548	0813.7-0547	oc	Hya	5.8 8.2m*	54.0
M49=n4472	122946.5+075958	eg	Vir	8.41:9.37	10.23x8.32 155DEG
M50=n2323="Heart-shaped oc"	0703.2-0820	oc	Mon	5.9 7.8m*	16.0 oval
M51=n5195	132958.7+471621	eg	CVn	9.55:10.45	5.75x4.57 79DEG
M51=n5194=Whirlpool eg=turn85a=Question mark eg	132953.3+471148	eg	CVn	8.36:8.96	11.22x6.92 163DEG
M52=n7654="Autumn Salt-and-Pepper"	2324.3+6135	oc	Cas	6.9 8.22m*	13
M53=n5024	131255+1810.2	gc	Com	7.7 13.8m*	12.6 i
M54=n6715	185503-3028.7	gc	Sgr	7.7 15.2m*	9.1 round
M55=n6809	193959-3057.7	gc	Sgr	6.3 11.2m*	19.0 round
M56=n6779	191636+3011.1	gc	Lyr	8.4 13.0pm*	7.1 i
M57=n6720=Ring pn	185335.09+330144.5	pn	Lyr	9.7 14.8m*	86"x62"/150"
M58=n4579	123744.2+114911	eg	Vir	9.66:10.48	5.89x4.68 95DEG
M59=n4621	124202.5+113849	eg	Vir	9.63:10.57	5.37x3.72 165DEG
M60=n4649	124340.3+113258	eg	Vir	8.84:9.81	7.41x6.03 105DEG
M61=n4303	122154.7+042820	eg	Vir	9.65:10.18	6.46x5.75
M62=n6266	170113-3006.8	gc	Oph	6.4 13.0pm*	14.1

M63=n5055=Sunflower eg	131549.3+420206	eg	CVn	8.59:9.31	12.59x7.24 105DEG
M64=n4826=Black-Eye eg	125644.3+214105	eg	Com	8.52:9.36	10.00x5.37 115DEG
M65=n3623=Leo Triplet	111855.3+130535	eg	Leo	9.33:10.25	9.77x2.88 174DEG
M66=n3627=Leo Triplet	112014.5+125942	eg	Leo	8.92:9.65	9.12x4.17 173DEG
M67=n2682	0850.4+1149	oc	Cnc	6.9 9.7m*	30
M68=n4590	123928-2644.6	gc	Hya	7.3 12.6m*	12.0 i
M69=n6637	183123-3220.9	gc	Sgr	7.7 13.7m*	7.1 round
M70=n6681	184313-3217.5	gc	Sgr	7.8 14.0pm*	7.8 round
M71=n6838	195346+1846.7	gc	Sge	8.4 12.1m*	7.2
M72=n6981	205328-1232.2	gc	Aqr	9.2 14.2m*	5.9 round
M73=n6994	2059.1-1238	oc	Aqr	8.9p 10.00pm*	2.8
M74=n628	013642.1+154711	eg	Psc	9.39:9.95	10.47x9.55 25DEG
M75=n6864	200605-2155.3	gc	Sgr	8.6 14.6m*	6.0 round
M76=n651=Barbell pn=Little Dumbbell=Cork pn=Butterfly pn	014219.7+513435	pn	Per	11 17.00m*	163"x107"
M77=n1068	024240.2-000048	eg	Cet	8.87:9.61	7.08x6.03 70DEG
M78=n2068	0546.8+0003	gn	Ori	8 10.49m*	8x6
M79=n1904	052411-2431.5	gc	Lep	7.7 13.1m*	8.7
M80=n6093	161703-2258.5	gc	Sco	7.3 13.4m*	8.9
M81=n3031=Bode's eg	095533.5+690400	eg	UMa	6.94:7.89	26.92x14.13 157DEG
M82=n3034=Bode's eg	095554.0+694057	eg	UMa	8.41:9.30	11.22x4.27

					65DEG
M83=n5236	133700.3-295204	eg	Hya	7.54:8.20	12.88x11.48 55DEG
M84=n4374	122503.7+125315	eg	Vir	9.11:10.09	6.46x5.62 135DEG
M85=n4382	122524.7+181127	eg	Com	9.11:10.00	7.08x5.50
M86=n4406	122611.8+125649	eg	Vir	8.90:9.83	8.91x5.75 130DEG
M87=n4486	123049.7+122324	eg	Vir	8.63:9.59	8.32x6.61
M88=n4501	123159.6+142517	eg	Com	9.63:10.36	6.92x3.72 140DEG
M89=n4552	123539.9+123325	eg	Vir	9.75:10.73	5.13x4.68
M90=n4569	123650.1+130948	eg	Vir	9.54:10.26	9.55x4.37 23DEG
M91=n4548	123526.3+142949	eg	Com	10.15:10.96	5.37x4.27 150DEG
M92=n6341	171707+4308.2	gc	Her	6.5 12.1m*	11.2
M93=n2447="Butterfly oc"	0744.6-2351	oc	Pup	6.2 8.2m*	22
M94=n4736	125053.6+410710	eg	CVn	8.24:8.99	11.22x9.12 105DEG
M95=n3351	104358.0+114215	eg	Leo	9.73:10.53	7.41x5.01 13DEG
M96=n3368	104645.2+114916	eg	Leo	9.25:10.11	7.59x5.25 5DEG
M97=n3587=Owl pn	111447.71+550107.7	pn	UMa	12.0 15.88m*	194" round
M98=n4192	121348.2+145343	eg	Com	10.14:10.95	9.77x2.75 155DEG
M99=n4254=Pinwheel eg	121849.4+142507	eg	Com	9.87:10.44	5.37x4.68
M100=n4321	122255.2+154923	eg	Com	9.35:10.05	7.41x6.31 30DEG

<u>M101=n5457</u>	<u>140312.9+542103</u>	eg	<u>UMa</u>	7.86:8.31	28.84x26.92
<u>M102=n5866</u>	<u>150630.2+554546</u>	eg	<u>Dra</u>	9.89:10.74	4.68x1.95 128DEG
<u>M103=n581</u>	<u>0133.2+6043</u>	oc	<u>Cas</u>	7.4 11m*	6 round
<u>M104=n4594=Sombbrero eg</u>	<u>123959.4-113722</u>	eg	<u>Vir</u>	8.00:8.98	8.71x3.55 89DEG
<u>M105=n3379</u>	<u>104749.9+123457</u>	eg	<u>Leo</u>	9.28:10.24	5.37x4.79
<u>M106=n4258</u>	<u>121857.9+471816</u>	eg	<u>CVn</u>	8.41:9.10	18.62x7.24 150DEG
<u>M107=n6171</u>	<u>163232-1303.2</u>	gc	<u>Oph</u>	7.8 13.0m*	10.0 round
<u>M108=n3556</u>	<u>111131.8+554015</u>	eg	<u>UMa</u>	10.03:10.69	8.71x2.24 80DEG
<u>M109=n3992</u>	<u>115736.2+532231</u>	eg	<u>UMa</u>	9.83:10.60	7.59x4.68 68DEG
<u>M110=n205="Far np M31 Companion"</u>	<u>004022.5+414111</u>	eg	<u>And</u>	8.07:8.92	21.88x10.96 170DEG

Legend: eg – extra-galactic (galaxy)

gc – globular cluster

oc – open cluster

pn – planetary nebula

gn – gas nebula

ms – multiple star