



Cotswold Astronomical Society
The Messier Catalogue

Messier Number	Name	Type	Constellation	NGC	Mag	RA	Dec (° ')
M1	Crab Nebula	Supernova remnant	Taurus	1952	8.4	5h 34.5m	22 01
M2	N/A	Globular Cluster	Aquarius	7089	6.5	21h 33.5m	-00 49
M3	N/A	Globular Cluster	Canes Venatici	5272	6.4	13h 42.2m	28 23
M4	N/A	Globular Cluster	Scorpius	6121	5.9	16h 23.6m	-26 32
M5	N/A	Globular Cluster	Serpens Caput	5904	5.8	15h 18.6m	02 05
M6	Butterfly Cluster	Open Cluster	Scorpius	6405	4.2	17h 40.1m	-32 13
M7	Ptolemy's Cluster	Open Cluster	Scorpius	6475	3.3	17h 53.9m	-34 49
M8	Lagoon Nebula	Diffuse Nebula	Sagittarius	6523	5	18h 3.1m	-24 23
M9	N/A	Globular Cluster	Ophiuchus	6333	7.9	17h 19.2m	-18 31
M10	N/A	Globular Cluster	Ophiuchus	6254	6.6	16h 57.1m	-04 06
M11	Wild Duck Cluster	Open Cluster	Scutum	6705	5.8	18h 51.1m	-06 16
M12	N/A	Globular Cluster	Ophiuchus	6218	6.6	16h 47.2m	-01 57
M13	N/A	Globular Cluster	Hercules	6205	5.9	16h 41.7m	36 28
M14	N/A	Globular Cluster	Ophiuchus	6402	7.6	17h 37.6m	-03 15
M15	N/A	Globular Cluster	Pegasus	7078	6.4	21h 30m	12 10
M16	Eagle Nebula Cluster	Open Cluster	Serpens Cauda	6611	6.5	18h 18.8m	-13 47
M17	Horseshoe Nebula	Diffuse Nebula	Sagittarius	6618	7	18h 20.8m	-16 11

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M18	N/A	Open Cluster	Sagittarius	6613	8	18h 19.9m	-17 08
M19	N/A	Globular Cluster	Ophiuchus	6273	8.5	17h 2.6m	-26 16
M20	Trifid Nebula	Diffuse Nebula	Sagittarius	6514	5	18h 2.3m	-23 02
M21	N/A	Open Cluster	Sagittarius	6531	7	18h 4.6m	-22 30
M22	N/A	Globular Cluster	Sagittarius	6656	6.5	18h 36.4m	-29 54
M23	N/A	Open Cluster	Sagittarius	6494	6	17h 56.8m	-19 01
M24	Milky Way Patch	Star Cloud	Sagittarius	6603	11.5	18h 18.4m	-18 25
M25	N/A	Open Cluster	Sagittarius	IC4725	4.9	18h 28.8m	-19 17
M26	N/A	Open Cluster	Scutum	6694	9.5	18h 45.2m	-09 24
M27	Dumbbell Nebula	Planetary Nebula	Vulpecula	6853	7.5	19h 59.6m	22 43
M28	N/A	Globular Cluster	Sagittarius	6626	8.5	18h 24.5m	-24 52
M29	N/A	Open Cluster	Cygnus	6913	9	20h 23.9m	38 32
M30	N/A	Globular Cluster	Capricornus	7099	8.5	21h 40.4m	-23 11
M31	Andromeda Galaxy	Spiral Galaxy	Andromeda	224	4.5	0h 42.8m	41 16
M32	Satellite of M31	Elliptical Galaxy	Andromeda	221	10	0h 42.8m	40 52
M33	Triangulum (also Pinwheel) Galaxy	Spiral Galaxy	Triangulum	598	7	1h 33.9m	30 40
M34	N/A	Open Cluster	Perseus	1039	6	2h 42.0m	42 47
M35	N/A	Open Cluster	Gemini	2168	5.5	6h 8.9m	24 20
M36	N/A	Open Cluster	Auriga	1960	6.5	5h 36.1	34 08

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M37	N/A	Open Cluster	Auriga	2099	6	5h 52.4m	32 33
M38	N/A	Open Cluster	Auriga	1922	7	5h 28.7m	35 50
M39	N/A	Open Cluster	Cygnus	7092	5.5	21h 32.2m	48 26
M40	Winecke 4	Double Star	Ursa Major	-	9	12h 20.0m	58 22
M41	N/A	Open Cluster	Canis Major	2287	5	6h 47.0m	-20 44
M42	Great Orion Nebula	Diffuse Nebula	Orion	1976	5	5h 35.3m	-05 23
M43	de Mairan's Nebula	Diffuse Nebula	Orion	1982	7	5h 35.5m	-05 16
M44	Beehive Cluster (Praesepe)	Open Cluster	Cancer	2632	4	8h 40.1m	19 59
M45	Pleiades, Subaru, Seven Sisters	Open Cluster	Taurus	1432	1.4	3h 47.0m	24 07
M46	N/A	Open Cluster	Puppis	2437	6.5	7h 41.8m	-14 49
M47	N/A	Open Cluster	Puppis	2422	4.5	7h 36.6m	-14 30
M48	N/A	Open Cluster	Hydra	2548	5.5	8h 13.8m	-05 48
M49	N/A	Elliptical Galaxy	Virgo	4472	10	12h 29.8m	08 01
M50	N/A	Open Cluster	Monoceros	2323	7	7h 3.2m	-08 20
M51	Whirlpool Galaxy	Spiral Galaxy	Ursa Major	5194	8	13h 30.0m	47 11
M52	N/A	Open Cluster	Cassiopeia	7654	8	23h 24.2m	61 35
M53	N/A	Globular Cluster	Coma Berenices	5024	8.5	13h 12.9m	18 10
M54	N/A	Globular Cluster	Sagittarius	6715	8.5	18h 55.1m	-30 29
M55	N/A	Globular Cluster	Sagittarius	6809	7	19h 40.0m	-30 58

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M56	N/A	Globular Cluster	Lyra	6779	9.5	19h 16.6m	30 11
M57	Ring Nebula	Planetary Nebula	Lyra	6720	9.5	18h 53.6m	33 02
M58	N/A	Spiral Galaxy	Virgo	4579	11	12h 37.8m	11 50
M59	N/A	Elliptical Galaxy	Virgo	4621	11.5	12h 42.1m	11 39
M60	N/A	Elliptical Galaxy	Virgo	4649	10.5	12h 43.7m	11 34
M61	N/A	Spiral Galaxy	Virgo	4303	10.5	12h 22.0m	04 29
M62	N/A	Globular Cluster	Ophiuchus	6266	8	17h 1.2m	-30 07
M63	Sunflower Galaxy	Spiral Galaxy	Canes Venatici	5055	8.5	13h 15.8m	42 02
M64	Blackeye Galaxy	Spiral Galaxy	Coma Berenices	4826	9	12h 56.7m	21 41
M65	N/A	Spiral Galaxy	Leo	3623	10.5	11h 18.9m	13 06
M66	N/A	Spiral Galaxy	Leo	3627	10	11h 20.2m	13 00
M67	N/A	Open Cluster	Cancer	2628	7.5	8h 50.4m	11 49
M68	N/A	Globular Cluster	Hydra	4590	9	12h 39.5m	-26 45
M69	N/A	Globular Cluster	Sagittarius	6637	9	18h 34.4m	-32 21
M70	N/A	Globular Cluster	Sagittarius	6681	9	18h 43.2m	-32 18
M71	N/A	Globular Cluster	Sagitta	6838	8.5	19h 53.8m	18 47
M72	N/A	Globular Cluster	Aquarius	6981	10	20h 53.5m	-12 32
M73	N/A	Group/Asterism	Aquarius	6994	9	20h 59.0m	-12 03
M74	N/A	Spiral Galaxy	Pisces	628	10.5	1h 36.6m	15 48
M75	N/A	Globular Cluster	Sagittarius	6864	9.5	20h 6.1m	-21 55

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M76	Little Dumbell	Planetary Nebula	Perseus	650	12	1h 42.4m	51 34
M77	N/A	Spiral Galaxy	Cetus	1068	10.5	2h 42.7m	-09 02
M78	N/A	Diffuse Nebula	Orion	2068	8	5h 46.8m	00 04
M79	N/A	Globular Cluster	Lepus	1904	8.5	5h 24.5m	-24 33
M80	N/A	Globular Cluster	Scorpius	6093	8.5	16h 17.0m	-22 59
M81	Bode's Galaxy	Spiral Galaxy	Ursa Major	3031	8.5	9h 55.6m	69 04
M82	Cigar Galaxy - 1/2 of Double Galaxy	Irregular Galaxy	Ursa Major	3034	9.5	9h 55.9m	69 41
M83	Small Pinwheel Galaxy	Spiral Galaxy	Hydra	5236	8.5	13h 37.1m	-29 52
M84	N/A	Lenticular (S0) Galaxy	Virgo	4374	11	12h 25.1m	12 54
M85	N/A	Lenticular (S0) Galaxy	Coma Berenices	4382	10.5	12h 25.5m	18 12
M86	N/A	Lenticular (S0) Galaxy	Virgo	4406	11	12h 26.3m	12 57
M87	Virgo A	Elliptical Galaxy	Virgo	4486	11	12h 30.9m	12 24
M88	N/A	Spiral Galaxy	Coma Berenices	4501	11	12h 32.1m	14 26
M89	N/A	Elliptical Galaxy	Virgo	4552	11.5	12h 35.7m	12 34
M90	N/A	Spiral Galaxy	Virgo	4569	11	12h 36.9m	13 10
M91	N/A	Spiral Galaxy	Coma Berenices	4548	11.5	12h 35.5m	14 30
M92	N/A	Globular Cluster	Hercules	6341	7.5	17h 17.1m	43 08
M93	N/A	Open Cluster	Puppis	2447	6.5	7h 44.6m	-23 52
M94	N/A	Spiral Galaxy	Canes Venatici	4736	9.5	12h 50.9m	41 08

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M95	N/A	Spiral Galaxy	Leo	3351	11	10h 43.9m	11 42
M96	N/A	Spiral Galaxy	Leo	3368	10.5	10h 46.7m	11 49
M97	Owl Nebula	Planetary Nebula	Ursa Major	3587	12	11h 14.8m	55 01
M98	N/A	Spiral Galaxy	Coma Berenices	4192	11	12h 13.9m	14 55
M99	N/A	Spiral Galaxy	Coma Berenices	4254	10.5	12h 18.9m	14 26
M100	N/A	Spiral Galaxy	Coma Berenices	4321	10.5	12h 23.0m	15 50
M101	Pinwheel Galaxy	Spiral Galaxy	Ursa Major	5457	8.5	14h 3.3m	54 22
M102	Spindle Galaxy	Lenticular (S0) Galaxy	Draco	5866	10.5	15h 6.5m	55 45
M103	N/A	Open Cluster	Cassiopeia	581	7	1h 33.2m	60 42
M104	Sombrero Galaxy	Spiral Galaxy	Virgo	4594	9.5	12h 39.9m	-11 37
M105	N/A	Elliptical Galaxy	Leo	3379	11	10h 47.8m	12 35
M106	N/A	Spiral Galaxy	Ursa Major	4258	9.5	12h 18.9m	47 19
M107	N/A	Globular Cluster	Ophiuchus	6171	10	16h 32.5m	-13 03
M108	N/A	Spiral Galaxy	Ursa Major	3556	11	11h 11.6m	55 41
M109	N/A	Spiral Galaxy	Ursa Major	3992	11	11h 57.6m	53 23
M110	Satellite of M31	Elliptical Galaxy	Andromeda	205	10	0h 40.4m	41 41