
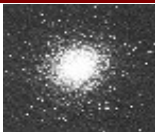

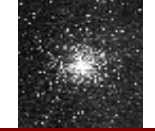

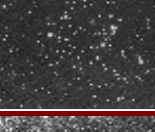


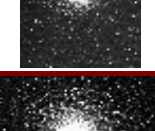

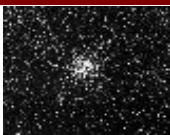
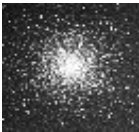
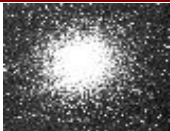




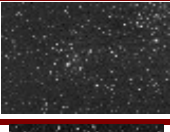




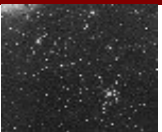
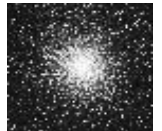
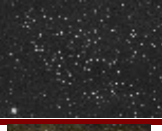

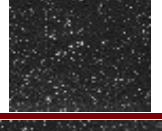


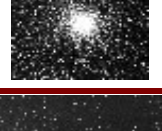
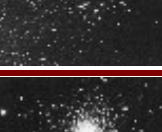

Liste des objets Messier

Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M1	1952	Taurus	Planetary nebula	5h 34.5m	22° 1'	8.2	6x4	SNR (1054) - Crab Nebula	
	M2	7089	Aquarius	Globular cluster	21h 33.5m	0° 49'	6.5	13	II	
	M3	5272	Canes Venatici	Globular cluster	13h 42.2m	28° 23'	6.4	16	VI - superb object	
	M4	6121	Scorpius	Globular cluster	16h 23.6m	-26° 32'	5.9	26	IX	
	M5	5904	Serpens	Globular cluster	15h 18.6m	2° 5'	5.8	17	V - superb cluster	
	M6	6405	Scorpius	Open cluster	17h 40.1m	-32° 13'	4.2	15	n: 80 - Butterfly Cluster	
	M7	6475	Scorpius	Open cluster	17h 53.9m	-34° 49'	3.3	80	nmbr:80-fine naked-eye OC	
	M8	6523	Sagittarius	Diffuse nebula	18h 3.8m	-24° 23'	6.8	80x40	spec: O7e - Lagoon Nebula	
	M9	6333	Ophiuchus	Globular cluster	17h 19.2m	-18° 31'	7.9	2.4	VIII	
	M10	6254	Ophiuchus	Globular cluster	16h 57.1m	-4° 6'	6.6	8.2	VII	




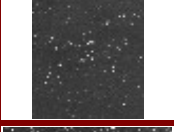
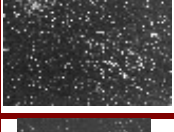
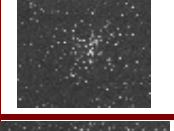
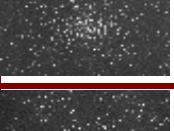
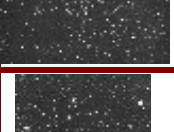
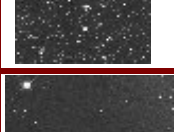

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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M11	6705	Scutum	Open cluster	18h 51.1m	-6° 16'	5.8	14	n:200 - Wild Duck Cluster	
	M12	6218	Ophiuchus	Globular cluster	16h 47.2m	-1° 57'	6.6	9.3	IX	
	M13	6205	Hercules	Globular cluster	16h 41.7m	36° 28'	5.9	10	V - Hercules Cluster	
	M14	6402	Ophiuchus	Globular cluster	17h 37.6m	-3° 15'	7.6	3		
	M15	7078	Pegasus	Globular cluster	21h 30m	12° 10'	6.4	7.4	IV - fine object	
	M16	6611	Serpens	Diffuse nebula	18h 18.8m	-13° 47'	6.4	25	neb & clust- Eagle Nebula	
	M17	6618	Sagittarius	Diffuse nebula	18h 20.8m	-16° 11'	7.5	46x37	Swan or Omega Nebula	
	M18	6613	Sagittarius	Open cluster	18h 19.9m	-17° 8'	6.9	9	number: 20	
	M19	6273	Ophiuchus	Globular cluster	17h 2.6m	-26° 16'	7.2	4.3	VIII	
	M20	6514	Sagittarius	Diffuse nebula	18h 2.6m	-23° 2'	9	29x27	spec: O7 - Trifid Nebula	

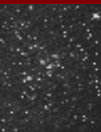


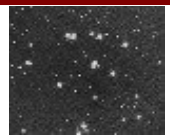

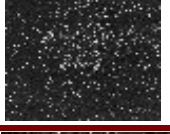
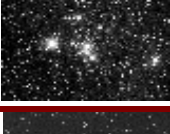
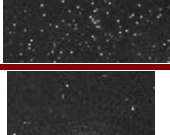
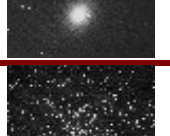

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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M21	6531	Sagittarius	Open cluster	18h 4.6m	-22° 30'	5.9	13	number: 70 - M20 in field	
	M22	6656	Sagittarius	Globular cluster	18h 36.4m	-23° 54'	5.1	17.3	VII - one of finest GCs	
	M23	6494	Sagittarius	Open cluster	17h 56.8m	-19° 1'	5.5	27	number: 150	
	M24	6603	Sagittarius	Open cluster	18h 16.9m	-18° 29'	4.6	4	number: 50 - star cloud	
	M25	IC4725	Sagittarius	Open cluster	18h 31.6m	-19° 15'	4.6	32	number: 30 - open cloud	
	M26	6694	Scutum	Open cluster	18h 45.2m	-9° 24'	8	15	number: 30	
	M27	6853	Vulpecula	Planetary nebula	19h 59.6m	22° 43'	7.6	8x4	Dumbbell Nebula	
	M28	6626	Sagittarius	Globular cluster	18h 24.5m	-24° 52'	6.9	6	IV	
	M29	6913	Cygnus	Open cluster	20h 23.9m	38° 32'	6.6	7	number: 50	
	M30	7099	Capricornus	Globular cluster	21h 40.4m	-23° 11'	7.5	5.7	V	


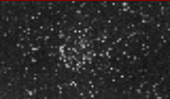


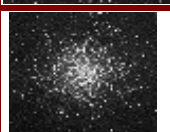
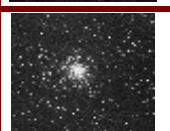
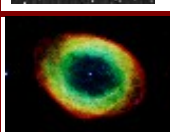



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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M31	224	Andromeda	Spiral galaxy	0h 42.7m	41° 16'	4.8	160x40	Sb - Andromeda Galaxy	
	M32	221	Andromeda	Elliptical galaxy	0h 42.7m	40° 52'	8.7	3.6x3.1	E0 - companion of M31	
	M33	598	Triangulum	Spiral galaxy	1h 33.9m	30° 39'	6.3	60x35	Sc - Pinwheel Galaxy	
	M34	1039	Perseus	Open cluster	2h 42m	42° 47'	5.5	35	number: 60	
	M35	2168	Gemini	Open cluster	6h 8.9m	24° 20'	5.3	28	number: 200	
	M36	1960	Auriga	Open cluster	5h 36.1m	34° 8'	6	12	number: 60	
	M37	2099	Auriga	Open cluster	5h 52.4m	32° 33'	5.6	24	number: 150	
	M38	1912	Auriga	Open cluster	5h 28.7m	35° 50'	6.4	21	number: 100	
	M39	7092	Cygnus	Open cluster	21h 32.2m	48° 26'	4.6	32	number: 30	
	M40	WNC 4	Ursa Major	Double star	12h 22.4m	58° 5'	9.1	50	Winnecke 4 - sep. 50	


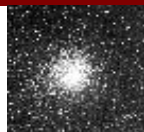



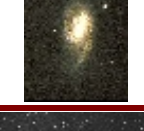
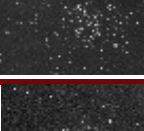
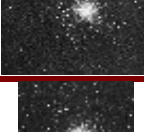
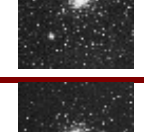

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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M41	2287	Canis Major	Open cluster	6h 47m	-20° 44'	4.6	38	number: 80	
	M42	1976	Orion	Diffuse nebula	5h 35.4m	-5° 27'	2.9	66x60	Great Orion Nebula	
	M43	1982	Orion	Diffuse nebula	5h 35.6m	-5° 16'	6.9	20x15	detached portion of M42	
	M44	2632	Cancer	Open cluster	8h 40.1m	19° 59'	3.1	95	Praesepe - Beehive Clustr	
	M45		Taurus	Open cluster	3h 47m	24° 7'	1.2	110	number: 130 - The Pleiades	
	M46	2437	Puppis	Open cluster	7h 41.8m	-14° 49'	6.1	27	n:100 - NGC 2438 in field	
	M47	2422	Puppis	Open cluster	7h 36.6m	-14° 30'	4.5	30	number: 30	
	M48	2548	Hydra	Open cluster	8h 13.8m	-5° 48'	5.8	54	number: 80	
	M49	4472	Virgo	Elliptical galaxy	12h 29.8m	8° 0'	8.4	4.0x3.4	E4	
	M50	2323	Monoceros	Open cluster	7h 3.2m	-8° 20'	5.9	10.0x5.5	number: 80	

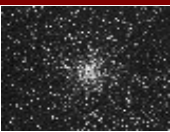





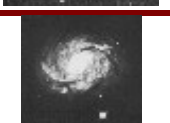


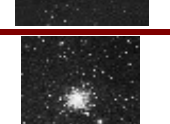
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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M51	5194	Canes Venatici	Spiral galaxy	13h 29.9m	47° 12'	8.4	10.0x5.5	Sc - Whirlpool Galaxy	
	M52	7654	Cassiopeia	Open cluster	23h 24.2m	61° 35'	6.9	13	number: 100	
	M53	5024	Coma Berenices	Globular cluster	13h 12.9m	18° 10'	7.7	3.3	V	
	M54	6715	Sagittarius	Globular cluster	18h 55.1m	-30° 29'	7.7	6	III	
	M55	6809	Sagittarius	Globular cluster	19h 40m	-30° 58'	7	15	XI	
	M56	6779	Lyra	Globular cluster	19h 16.6m	30° 11'	8.3	1.8	X	
	M57	6720	Lyra	Planetary nebula	18h 53.6m	33° 2'	9.3	1.3x1	cnt str:15 - Ring Nebula	
	M58	4579	Virgo	Spiral galaxy	12h 37.7m	11° 49'	9.8	4.0x3.5	Sb - fine compact spiral	
	M59	4621	Virgo	Elliptical galaxy	12h 42m	11° 39'	9.8	2.0x1.8	E3	
	M60	4649	Virgo	Elliptical galaxy	12h 43.7m	11° 33'	8.8	3.0x2.5	E1 - NGC 4647 in field	

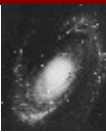








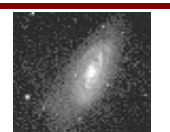
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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M61	4303	Virgo	Spiral galaxy	12h 21.9m	4° 28'	9.7	5.7x5.5	Sc - large face-on spiral	
	M62	6266	Ophiuchus	Globular cluster	17h 1.2m	-30° 7'	6.6	4.3	IV - Burnham's under Sco	
	M63	5055	Canes Venatici	Spiral galaxy	13h 15.8m	42° 2'	8.6	10x5	Sb - Sunflower Nebula	
	M64	4826	Coma Berenices	Spiral galaxy	12h 56.7m	21° 41'	8.5	7.8x1.5	Sb - Black-Eye Galaxy	
	M65	3623	Leo	Spiral galaxy	11h 18.9m	13° 5'	9.3	8.0x2.5	Sb -M66, NGC3628 in field	
	M66	3627	Leo	Spiral galaxy	11h 20.2m	12° 59'	9	8.0x2.5	Sb -M65, NGC3628 in field	
	M67	2682	Cancer	Open cluster	8h 50.4m	11° 49'	6.9	30	nubr:200 - interesting OC	
	M68	4590	Hydra	Globular cluster	12h 39.5m	-26° 45'	8.2	2.8	X	
	M69	6637	Sagittarius	Globular cluster	18h 31.4m	-32° 21'	7.7	2.5	V	
	M70	6681	Sagittarius	Globular cluster	18h 43.2m	-32° 18'	8.1	4	V	


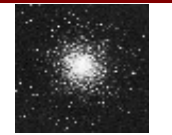
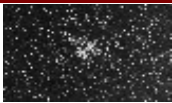
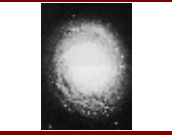






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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M71	6838	Sagitta	Globular cluster	19h 53.8m	18° 47'	8.3	6.1	class not certain	
	M72	6981	Aquarius	Globular cluster	20h 53.5m	-12° 32'	9.4	2	IX	
	M73	6994	Aquarius	Open cluster	20h 58.9m	-12° 38'	9	2.8	asterism of 4 stars	
	M74	628	Pisces	Spiral galaxy	1h 36.7m	15° 47'	9.2	9.0x9.0	Sc - fine face-on spiral	
	M75	6864	Sagittarius	Globular cluster	20h 6.1m	-21° 55'	8.6	1.9	I - near Cap border	
	M76	650	Perseus	Planetary nebula	1h 42.4m	51° 34'	12.2	140x70	cnt str:17-Little Dumbell	
	M77	1068	Cetus	Spiral galaxy	2h 42.7m	0° 1'	8.9	6x5	Sbp - Seyfert glx.(3C 71)	
	M78	2068	Orion	Diffuse nebula	5h 46.7m	0° 3'	10.5	8x6	spec: B8 - comet shaped	
	M79	1904	Lepus	Globular cluster	5h 24.5m	-24° 33'	8.4	3.2	V	
	M80	6093	Scorpius	Globular cluster	16h 17m	-22° 59'	7.2	3.3	II -incl Nova T Sco(1860)	







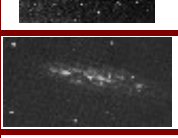

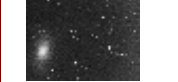

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Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M81	3031	Ursa Major	Spiral galaxy	9h 55.6m	69° 4'	6.9	18x10	Sb - fine spiral	
	M82	3034	Ursa Major	Irregular galaxy	9h 55.8m	69° 41'	8.4	8x3	Pec - fine pair with M81	
	M83	5236	Hydra	Spiral galaxy	13h 37m	-29° 52'	8.2	10x8	Sc	
	M84	4374	Virgo	Elliptical galaxy	12h 25.1m	12° 53'	9.3	2.0x1.8	E1 - center Virgo Cluster	
	M85	4382	Coma Berenices	Elliptical galaxy	12h 25.4m	18° 11'	9.3	2.1x1.7	Ep	
	M86	4406	Virgo	Elliptical galaxy	12h 26.2m	12° 57'	9.2	3x2	E3 - center Virgo Cluster	
	M87	4486	Virgo	Elliptical galaxy	12h 30.8m	12° 24'	8.6	3x3	E1 - X-ray & radio source	
	M88	4501	Coma Berenices	Spiral galaxy	12h 32m	14° 25'	9.5	5.5x2.4	Sb - multiple-arm spiral	
	M89	4552	Virgo	Elliptical galaxy	12h 35.7m	12° 33'	9.8	2x2	E0 - bright, round	
	M90	4569	Virgo	Spiral galaxy	12h 36.8m	13° 10'	9.5	7.0x2.5	Sb - well formed oval	

Liste des objets Messier

Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M91	4548	Coma Berenices	Spiral galaxy	12h 35.4m	14° 30'	10.2	3.7x3.2	SbB- barred spiral galaxy	
	M92	6341	Hercules	Globular cluster	17h 17.1m	43° 8'	6.5	8.3	IV	
	M93	2447	Puppis	Open cluster	7h 44.6m	-23° 52'	6.2	22	number: 80	
	M94	4736	Canes Venatici	Spiral galaxy	12h 50.9m	41° 7'	8.2	5.0x3.5	Sbp	
	M95	3351	Leo	Spiral galaxy	10h 44m	11° 42'	9.7	6.1x3.9	S(B)b - theta structure	
	M96	3368	Leo	Spiral galaxy	10h 46.8m	11° 49'	9.1	5x4	Sbp - pair with M95	
	M97	3587	Ursa Major	Planetary nebula	11h 14.8m	55° 1'	12	3.4x3.0	cnt str m:14 - Owl Nebula	
	M98	4192	Coma Berenices	Spiral galaxy	12h 13.8m	14° 54'	10.1	8.4x1.9	Sb-knotty, bright spindle	
	M99	4254	Coma Berenices	Spiral galaxy	12h 18.8m	14° 25'	9.8	4.6x3.9	Sc	
	M100	4321	Coma Berenices	Spiral galaxy	12h 22.9m	15° 49'	9.4	5.3x4.5	Sc - fine spiral	

Liste des objets Messier

Picture	Name	NGC	Constellation	Class	RA	Decl.	Magn.	Angular size	Remarks	Observation Date / Lieu / Configuration / Qualité
	M101	5457	Ursa Major	Spiral galaxy	14h 3.2m	54° 21'	7.7	22x20	Sc-splendid large face-on	
	M102	5457	Ursa Major	Spiral galaxy	14h 3.2m	54° 21'	7.7	22x20	Sc - Duplicate of M101	
	M103	581	Cassiopeia	Open cluster	1h 33.2m	60° 42'	7.4	5	nubr: 25 - arrowhead shape	
	M104	4594	Virgo	Spiral galaxy	12h 40m	-11° 37'	8.3	7.0x1.5	Sb - Sombrero Galaxy	
	M105	3379	Leo	Elliptical galaxy	10h 47.8m	12° 35'	9.2	2.2x2.0	E1 -group with 3384, 3389	
	M106	4258	Canes Venatici	Spiral galaxy	12h 19m	47° 18'	8.3	18.2x7.0	Sbp	
	M107	6171	Ophiuchus	Globular cluster	16h 32.5m	-13° 3'	8.1	2.2	X	
	M108	3556	Ursa Major	Spiral galaxy	11h 11.5m	55° 40'	10.1	7.7x1.3	Sc - edge-on/M97 in field	
	M109	3992	Ursa Major	Spiral galaxy	11h 57.6m	53° 23'	9.8	6.2x3.5	SBb -barred spiral galaxy	
	M110	205	Andromeda	Elliptical galaxy	0h 40.4m	41° 41'	9.4	8.0x3.0	E6 - companion of M31	