


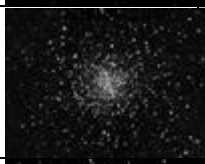






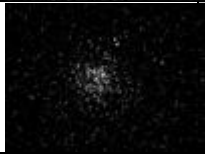







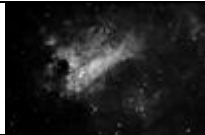


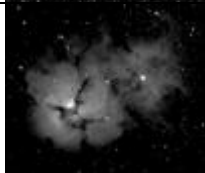




Messier Catalogue of 109 Deep Space Objects

Messier	Image	Common Name	Constellation	Type	NGC	RA	Dec.	(h)'	(w)'	Mag.
M1.		Crab Nebula	Taurus.	Supernova	1952	05:34:31.9	+22:00:52	4	6	8.4
M2.		None	Aquarius	Globular Cluster	7089	21:33:27.2	-00:49:22		16	6.6
M3.		None	Canes Venatici	Globular Cluster	5272	13:42:11.2	+28:22:34		18	6.3
M4.		None	Scorpius	Globular Cluster	6121	16:23:35.5	-26:31:29		36	5.4
M5.		None	Serpens Caput	Globular Cluster	5904	15:18:33.8	+02:05:00		23	5.7
M6.		Butterfly Cluster	Scorpius	Open Cluster	6405	17:40:20	-32:15:30		33	4.2
M7.		Ptolemy Cluster	Scorpius	Open Cluster	6475	17:53:50	-34:47:36		75	3.3
M8.		Lagoon Nebula	Sagittarius	Nebulae	6523	18:03:42	-24:22:48	40	90	4.6

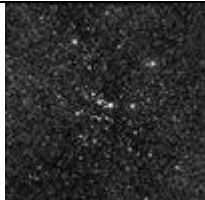
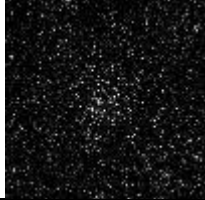
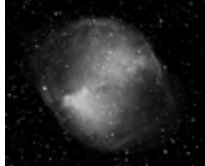





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M9.		None	Ophiuchus	Globular Cluster	6333	17:19:11.8	-18:30:57	12	7.8
M10.		None	Ophiuchus	Globular Cluster	6254	16:57:8.9	-04:05:56	20	6.6
M11.		Wild Duck Cluster	Scutum	Open Cluster	6705	18:51:5	-06:16:12	11	5.8
M12.		None	Ophiuchus	Globular Cluster	6218	16:47:14.5	-01:56:50	16	6.1
M13.		Great Hercules Cluster	Hercules	Globular Cluster	6205	16:41:41.5	+36:27:39	20	5.8
M14.		None	Ophiuchus	Globular Cluster	6402	17:37:36.1	-03:14:43	11	7.6
M15.		None	Pegasus	Globular Cluster	7078	21:29:58.3	+12:10:03	18	6.3
M16.		Eagle Nebula	Serpens Cauda	Nebulae	6611	18:18:45	-13:47:54	8	6

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M17.		Omega (Swan) Nebula	Sagittarius	Nebulae	6618	18:20:47	-16:10:18	15	20	
M18.		None	Sagittarius	Open Cluster	6613	18:19:58	-17:06:06		7	6.9
M19.		None	Ophiuchus	Globular Cluster	6273	17:02:37.7	-26:16:03		17	6.8
M20.		Trifid Nebula	Sagittarius	Nebulae	6514	18:02:42	-22:58:18	20	20	
M21.		None	Sagittarius	Open Cluster	6531	18:04:13.3	-22:30:00		16	5.9
M22.		None	Sagittarius	Globular Cluster	6656	18:36:24.2	-23:54:10		32	5.2
M23.		None	Sagittarius	Open Cluster	6494	17:56:56	-19:00:42		25	5.5
M24.		Small Sagittarius Star Cloud	Sagittarius	Star Field	6603	18:18:24	-18:24:24	120	60	4.6

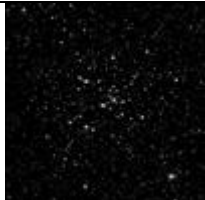


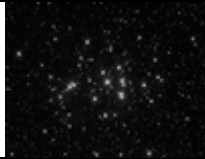




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M25.		None	Sagittarius	Open Cluster		18:31:45	-19:07:12			
M26.		None	Scutum	Open Cluster	6694	18:45:15	-09:23:06		10	8
M27.		Dumbbell Nebula	Vulpecula	Planetary Nebula	6853	19:59:36.3	+22:43:18		6.7	7.4
M28.		None	Sagittarius	Globular Cluster	6626	18:24:32.9	-24:52:10		13.8	6.9
M29.		None	Cygnus	Open Cluster	6913	20:24:6	+38:29:36		10	6.6
M30.		None	Capricornus	Globular Cluster	7099	21:40:22	-23:10:43		12	6.9
M31.		Great Andromeda Spiral	Andromeda	Galaxy.	224	00:42:44.3	+41:16:08	61.7	189.1	3.5
M32.		None	Andromeda	Galaxy.	221	00:42:41.8	+40:51:57	6.5	8.5	8.1

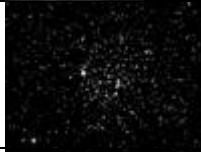

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M33/H V-17.		Pinwheel Galaxy	Triangulum.	Galaxy.	598	01:33:51.9	+30:39:29	41.6	68.7	5.5
M34.		None	Perseus	Open Cluster	1039	02:42:5	+42:45:42		25	5.2
M35.		None	Gemini	Open Cluster	2168	06:09:00	+24:21:00		25	5.1
M36.		None	Auriga	Open Cluster	1960	05:36:17.7	+34:08:27		10	6
M37.		None	Auriga	Open Cluster	2099	05:52:18.3	+32:33:11		15	5.6
M38.		None	Auriga	Open Cluster	1912	05:28:43	+35:51:18		15	6.4
M39.		None	Cygnus	Open Cluster	7092	21:31:52	+48:25:30		31	4.6
M40.		None	Ursa Major	Double Star		06:46:00	-20:45:24		39	4.5

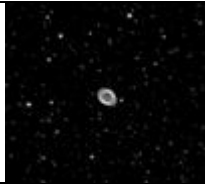
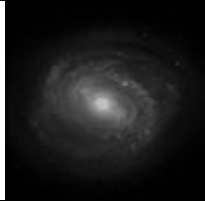





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M41.		None	Canis Major	Open Cluster	2287	06:46:00	-20:45:24		39	4.5
M42.		Great Orion Nebula	Orion	Nebulae	1976	05:35:17.1	-05:23:25	60	65	3.7
M43.		None	Orion	Nebulae	1982	05:35:31.3	-05:16:03	15	20	
M44.		Beehive Cluster	Cancer	Open Cluster	2632	08:40:24	+19:40:12		70	3.1
M45.		Pleiades Cluster	Taurus.	Open Cluster	1432	03:45:49.5	+24:22:06	120	120	1.5
M46.		None	Puppis	Open Cluster	2437	07:41:46.8	-14:48:36		20	6.1
M47/H VIII-38.		None	Puppis	Open Cluster	2422	07:36:35	-14:28:47		25	4.4
M48/H VI-22.		None	Hydra	Open Cluster	2548	08:13:43.1	-05:45:02		30	5.8

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M49.		None	Virgo	Galaxy.	4472	12:29:46.7	+08:00:00	8.3	10.2	8.3
M50.		None	Monoceros	Open Cluster	2323	07:02:47.8	-08:22:33		15	5.9
M51.		Whirlpool Galaxy	Canes Venatici	Galaxy.	5194	13:29:52.6	+47:11:44	6.9	11.2	8.1
M52.		None	Cassiopeia	Open Cluster	7654	23:24:48	+61:36:00		16	6.9
M53.		None	Coma Berenices	Globular Cluster	5024	13:12:55.3	+18:10:11		13	7.7
M54.		None	Sagittarius	Globular Cluster	6715	18:55:3.3	-30:28:40		12	7.7
M55.		None	Sagittarius	Globular Cluster	6809	19:39:59.4	-30:57:42		19	6.3
M56.		None	Lyra	Globular Cluster	6779	19:16:35.5	+30:11:07		8.8	8.4

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M57.		Ring Nebula	Lyra	Planetary Nebula	6720	18:53:35.1	+33:01:47	2.4	3	8.8
M58.		None	Virgo	Galaxy.	4579	12:37:43.7	+11:49:06	4.8	6	9.6
M59.		None	Virgo	Galaxy.	4621	12:42:2.2	+11:38:50	3.7	5.4	9.7
M60.		None	Virgo	Galaxy.	4649	12:43:39.8	+11:33:11	6.2	7.6	8.8
M61/H I-139.		None	Virgo	Galaxy.	4303	12:21:54.9	+04:28:22	5.9	6.5	9.3
M62.		None	Ophiuchus	Globular Cluster	6266	17:01:12.6	-30:06:42		15	6.4
M63.		Sunflower Galaxy	Canes Venatici	Galaxy.	5055	13:15:49	+42:01:59	7.2	12.6	8.5









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M64.		Black Eye Galaxy	Coma Berenices	Galaxy.	4826	12:56:43.8	+21:40:59	5.4	10	8.5
M65.		None	Leo Major	Galaxy.	3623	11:18:55.6	+13:05:27	2.9	9.8	9.2
M66.		None	Leo Major	Galaxy.	3627	11:20:15.1	+12:59:24	4.1	9.1	8.9
M67.		King Cobra Cluster	Cancer	Open Cluster	2682	08:51:18	+11:49:0		25	6.9
M68.		None	Hydra	Globular Cluster	4590	12:39:28	-26:44:32		11	7.3
M69.		None	Ophiuchus	Globular Cluster	6637	18:31:23.2	-32:20:51		7.1	8.3
M70.		None	Sagittarius	Globular Cluster	6681	18:43:12.7	-32:17:29		8	7.8
M71.		None	Sagitta	Globular Cluster	6838	19:53:46.1	+18:46:44		7.2	8.4







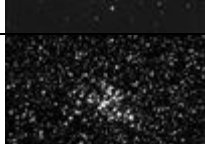


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M72.		None	Aquarius	Globular Cluster	6981	20:53:27.9	-12:32:11		6.6	9.2
M73.		None	Aquarius	Star Field	6994	20:58:56	-12:38:00		1.4	8.9
M74.		Phantom Galaxy	Pisces	Galaxy.	628	01:36:41.7	+15:47:00	9.5	10.5	9.1
M75.		None	Sagittarius	Globular Cluster	6864	20:06:4.8	-21:55:15		6.8	8.6
M76/H I-193.		Little Dumbbell Nebula	Perseus	Planetary Nebula	651	01:42:22	+51:34:50		1.1	10.1
M77.		None	Cetus	Galaxy.	1068	02:42:40.8	-00:00:46	6	7.1	8.9
M78.		None	Orion	Nebulae	2068	05:46:45	+00:04:48	6	8	8

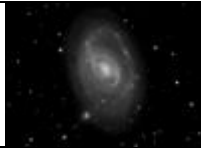







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M79.		None	Lepus	Globular Cluster	1904	05:24:10.6	-24:31:25		6	7.7
M80.		None	Sagittarius	Globular Cluster	6093	16:17:2.5	-22:58:28		10	7.3
M81.		Bode's Galaxy	Ursa Major	Galaxy.	3031	09:55:33.5	+69:04:02	11.5	24.9	7
M82/H IV-79.		Cigar Galaxy	Ursa Major	Galaxy.	3034	09:55:54	+69:40:59	4.3	11.2	8.6
M83.		Southern Pinwheel Galaxy	Hydra	Galaxy.	5236	13:37:00.2	-29:52:02	11.5	12.9	7.5
M84.		None	Virgo	Galaxy.	4374	12:25:3.6	+12:53:13	5.6	6.5	9.2
M85.		None	Coma Berenices	Galaxy.	4382	12:25:23.9	+18:11:27	5.5	7.1	9.1
M86.		None	Virgo	Galaxy.	4406	12:26:11.5	+12:56:47	5.8	8.9	8.9







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M87.		None	Virgo	Galaxy.	4486	12:30:49.4	+12:23:26	6.6	8.3	8.6
M88.		None	Coma Berenices	Galaxy.	4501	12:31:59	+14:25:11	3.7	6.8	9.4
M89.		None	Virgo	Galaxy.	4552	12:35:39.9	+12:33:22	3.5	3.5	9.9
M90.		None	Virgo	Galaxy.	4569	12:36:50	+13:09:50	4.4	9.5	9.4
M91/H II-120.		None	Coma Berenices	Galaxy.	4548	12:35:26.4	+14:29:47	4.2	5.2	10.1
M92.		None	Hercules	Globular Cluster	6341	17:17:7.3	+43:08:13		14	6.5
M93.		None	Puppis	Open Cluster	2447	07:44:30	-23:51:24		10	6.2
M94.		None	Canes Venatici	Galaxy.	4736	12:50:53.1	+41:7:17	12.1	14.4	8.1
M95.		None	Leo Major	Galaxy.	3351	10:43:57.8	+11:42:12	5	7.4	9.8

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M96.		None	Leo Major	Galaxy.	3368	10:46:45.8	+11:49:12	5.2	7.8	9.3
M97.		Owl Nebula	Ursa Major	Planetary Nebula	3587	11:14:47.7	+55:01:10		2.8	9.9
M98.		None	Coma Berenices	Galaxy.	4192	12:13:47.8	+14:53:58	2.8	9.8	10.1
M99.		None	Coma Berenices	Galaxy.	4254	12:18:49.3	+14:25:03	4.6	5.3	9.7
M100.		None	Coma Berenices	Galaxy.	4321	12:22:54.9	+15:49:22	6.1	7.5	9.3
M101.		None	Ursa Major	Galaxy.	5457	14:03:12.4	+54:20:58	26.9	28.8	7.5
M102.		None	Ursa Major	Galaxy.	5457	15:06:29.4	+55:45:49	3.1	6.5	9.9
M103.		None	Cassiopeia	Open Cluster	581	01:33:23	+60:39:30		6	7.4

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M104/H I-43.		Sombrero Hat	Virgo	Galaxy.	4594	12:39:59.3	-11:37:21	4.2	8.6	8.3
M105/H I-17.		None	Leo Major	Galaxy.	3379	10:47:49.5	+12:34:52	4.8	5.3	9.5
M106/H V-43.		None	Canes Venatici	Galaxy.	4258	12:18:57.8	+47:18:25	7.2	18.6	8.3
M107/HVI-40.		None	Ophiuchus	Globular Cluster	6171	16:32:31.9	-13:03:11		13	7.8
M108/H V-46.		None	Ursa Major	Galaxy.	3556	11:11:29.4	+55:40:22	2.4	8.6	9.9
M109/H IV-61.		None	Ursa Major	Galaxy.	3992	11:57:35.4	+53:22:25	4.4	7.5	9.8
M110/H V-18.		None	Andromeda	Galaxy.	205	00:40:22.1	+41:41:07	11.5	19.5	7.9