

NJAA's Messier Marathon COMPLETE LIST

Name

Optical Equipment

No.	M#	Con	Type	RA	Dec	MAG	DIM	DIST	SEE IT?	REMARKS
1	M77	Cet	SG	02 42.7	-00 01	8.9	7x6	60000		
2	M74	Psc	SG	01 36.7	+15 47	9.4	10.2x9.5	35000		
3	M33	Tri	SG	01 33.9	+30 39	5.7	73x45	3000		
4	M31	And	SG	00 42.7	+4116	3.4	178x63	2900		
5	M32	And	EG	00 42.7	+40 52	8.1	8x6	2900		
6	M110	And	EG	00 40.4	+41 41	8.5	17x10	2900		
7	M52	Cas	OC	23 24.2	+61 35	7.3	13	5		
8	M103	Cas	OC	01 33.2	+60 42	7.4	6	8.5		
9	M76	Per	PN	01 42.4	+51 34	10.1	2.7x1.8	3.4		
10	M34	Per	OC	02 42.0	+42 47	5.5	35	1.4		
11	M45	Tau	OC	03 47.0	+24 07	1.6	110	0.38		
12	M79	Lep	GC	05 24.5	-24 33	7.7	8.7	42.1		
13	M42	Ori	ON	05 35.4	-05 27	4	85x60	1.6		
14	M43	Ori	ON	05 35.6	-05 16	9	20x15	1.6		
15	M78	Ori	ON	05 46.7	+00 03	8.3	8x6	1.6		
16	M1	Tau	SNR	05 34.5	+22 01	8.4	6x4	6.3		
17	M35	Gem	OC	06 08.9	+24 20	5.3	28	2.8		
18	M37	Aur	OC	05 52.4	+32 33	6.2	24	4.4		
19	M36	Aur	OC	05 36.1	+34 08	6.3	12	4.1		
20	M38	Aur	OC	05 28.4	+35 50	7.4	21	4.2		
21	M41	CMa	OC	06 46.0	-20 44	4.6	38	2.3		
22	M93	Pup	OC	07 44.6	-23 52	6	22	3.6		
23	M47	Pup	OC	07 36.6	-14 30	5.2	30	1.6		
24	M46	Pup	OC	07 41.8	-14 49	6	27	5.4		
25	M50	Mon	OC	07 03.2	-08 20	6.3	16	3		
26	M48	Hya	OC	08 13.8	-05 48	5.5	54	1.5		
27	M44	Cnc	OC	08 40.1	+19 59	3.7	95	0.577		
28	M67	Cnc	OC	08 50.4	+11 49	6.1	30	2.7		
29	M95	Leo	SG	10 44.0	+11 42	9.7	4.4x3.3	38000		
30	M96	Leo	SG	10 46.8	+11 49	9.2	6x4	38000		
31	M105	Leo	EG	10 47.8	+12 35	9.3	2	38000		
32	M65	Leo	SG	11 18.9	+13 05	9.3	8x1.5	35000		
33	M66	Leo	SG	11 20.2	+12 59	8.9	8x2.5	35000		
34	M81	UMa	SG	09 55.6	+69 04	6.9	21x10	12000		
35	M82	UMa	IRRGX	09 55.8	+69 41	8.4	9x4	12000		
36	M97	UMa	PN	11 14.8	+55 01	9.9	3.4x3.3	2.6		

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37	M108	UMa	SG	11 11.5	+55 40	10	8x1	45000		
38	M109	UMa	SG	11 57.6	+53 23	9.8	7x4	55000		
39	M40	UMa	Obi Star	12 22.4	+58 05	8.4	0.8	0.51		
40	M106	CVn	SG	12 19.0	+47 18	8.4	19x8	25000		
41	M94	CVn	SG	12 50.9	+41 07	8.2	7x3	14500		
42	M63	CVn	SG	13 15.8	+42 02	8.6	10x6	37000		
43	M51	CVn	SG	13 29.9	+47 12	8.4	11x7	37000		
44	M101	UMa	SG	14 03.2	+54 21	7.9	22	27000		
45	M102?	Ora	LG	15 06.5	+55 46	9.9	5.2x2.3	40000		
46	M53	Com	GC	13 12.9	+18 10	7.6	12.6	59.7		
47	M64	Com	SG	12 56.7	+21 41	8.5	9.3x5.4	19000		
48	M3	CVn	GC	13 42.2	+28 23	6.2	16.2	33.9		
49	M98	Com	SG	12 13.8	+14 54	10.1	9.5x3.2	60000		
50	M99	Com	SG	12 18.8	+14 25	9.9	5.4x4.8	60000		
51	M100	Com	SG	12 22.9	+15 49	9.3	7x6	60000		
52	M85	Com	LG	12 25.4	+18 11	9.1	7.1x5.2	60000		
53	M84	Vir	LG	12 25.1	+12 53	9.1	5	60000		
54	M86	Vir	LG	12 26.2	+12 57	8.9	7.5x5.5	60000		
55	M87	Vir	EG	12 30.8	+12 24	8.6	7	60000		
56	M89	Vir	EG	12 35.7	+12 33	9.8	4	60000		
57	M90	Vir	SG	12 36.8	+13 10	9.5	9.5x4.5	60000		
58	M88	Com	SG	12 32.0	+14 25	9.6	7x4	60000		
59	M91	Com	SG	12 35.4	+14 30	10.2	5.4x4.4	60000		
60	M58	Vir	SG	12 37.7	+11 49	9.7	5.5x4.5	60000		
61	M59	Vir	EG	12 42.0	+11 39	9.6	5x3.5	60000		
62	M60	Vir	EG	12 43.7	+11 33	8.8	7x6	60000		
63	M49	Vir	EG	12 29.8	+08 00	8.4	9x7.5	60000		
64	M61	Vir	SG	12 21.9	+04 28	9.7	6x5.5	60000		
65	M104	Vir	SG	12 40.0	-11 37	8	9x4	50000		
66	M68	Hya	GC	12 39.5	-26 45	7.8	12	33.3		
67	M83	Hya	SG	13 37.0	-29 52	7.6	11x10	15000		
68	M5	Ser	GC	15 18.6	+02 05	5.6	17.4	24.5		
69	M13	Her	GC	1641.7	+36 28	5.8	16.6	25.1		
70	M92	Her	GC	1717.1	+43 08	6.4	11.2	26.7		

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No.	M#	Con	Type	RA	Dec	MAG	DIM	DIST	SEE IT?	REMARKS
71	M57	Lyr	PN	18 53.6	+33 02	8.8	1.4x1.0	2.3		
72	M56	Lyr	GC	19 16.6	+30 11	8.3	7.1	32.9		
73	M29	Cyg	OC	20 23.9	+38 32	7.1	7	4		
74	M39	Cyg	OC	21 32.2	+48 26	4.6	32	0.825		
75	M27	Vul	PN	19 59.6	+22 43	7.4	8.0x5.7	1.25		
76	M71	Sge	GC	19 53.8	+18 47	8.2	7.2	12.7		
77	M107	Oph	GC	16 32.5	-13 03	7.9	10	20.9		
78	M12	Oph	GC	16 47.2	-01 57	6.7	14.5	16		
79	M10	Oph	GC	16 57.1	-04 06	6.6	15.1	14.4		
80	M14	Oph	GC	17 37.6	-03 15	7.6	11.7	29		
81	M9	Oph	GC	17 19.2	-18 31	7.7	9.3	26.7		
82	M4	Sec	GC	16 23.6	-26 32	5.6	26.3	7.2		
83	M80	Sec	GC	16 17.0	-22 59	7.3	8.9	32.6		
84	M19	Oph	GC	17 02.6	-26 16	6.8	13.5	28.4		
85	M62	Oph	GC	1701.2	-30 07	6.5	14.1	22.5		
86	M6	Sec	OC	1740.1	-32 13	5.3	25	2		
87	M7	Sec	OC	17 53.9	-34 49	4.1	80	0.8		
88	M11	Set	OC	18 51.1	-06 16	6.3	14	6		
89	M26	Set	OC	18 45.2	-09 24	8	15	5		
90	M16	Ser	OC	18 18.8	-13 47	6.4	7	7		
91	M17	Sgr	DN	18 20.8	-16 11	7	11	5		
92	M18	Sgr	OC	18 19.9	-17 08	7.5	9	4.9		
93	M24	Sgr	OC	18 16.9	-18 29	4.6	90	10		
94	M25	Sgr	OC	18 31.6	-19 15	6.5	40	2		
95	M23	Sgr	OC	17 56.8	-19 01	6.9	27	2.15		
96	M21	Sgr	OC	18 04.6	-22 30	6.5	13	4.25		
97	M20	Sgr	DN	18 02.6	-23 02	9	28	5.2		
98	M8	Sgr	DN	18 03.8	-24 23	6	90x40	5.2		
99	M28	Sgr	GC	18 24.5	-24 52	6.8	11.2	18.6		
100	M22	Sgr	GC	18 36.4	-23 54	5.1	24	10.4		
101	M69	Sgr	GC	18 31.4	-32 21	7.6	7.1	28		
102	M70	Sgr	GC	18 43.2	-32 18	7.9	7.8	29.4		
103	M54	Sgr	GC	18 55.1	-30 29	7.6	9.1	88.7		

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104	M55	Sgr	GC	19 40.0	-30 58	6.3	19	17.6		
105	M75	Sgr	GC	20 06.1	-21 55	8.5	6	61.3		
106	M15	Peg	GC	21 30.0	+12 10	6.2	12.3	33.6		
107	M2	Aqr	GC	21 33.5	-00 49	6.5	12.9	37.9		
108	M72	Aqr	GC	20 53.5	-12 32	9.3	5.9	55.4		
109	M73	Aqr	Asterism	20 58.9	-12 38	9	2.8	2		
110	M30	Cap	GC	21 40.4	-23 11	7.2	11	26.1		
Key:										
SG	SPIRALGX									
OC	OPEN CL									
PN	PLANETARY									
GC	GLOBULAR									
DN	DIFFUSE									
SNR	SUPERNOV									
LG	LENTIC GX									
RA	right ascension in hours minutes decimal seconds									
DEC	declination in degrees minutes									
MAG	apparent visual brightness in magnitudes									
DIM	apparent (angular) dimension in arc minutes									
DIST	distance in kilo-light-years									