

ACA Messier Marathon Observer's Form

This file presents the Messier objects in the order of the Marathon Search Sequence given by Don Machholz in his "Messier Marathon Observer's Guide", suited so that you can fill in your observations easily.

Messier Marathon Search Sequence

Compiled online by Hartmut Frommert, using work of Don Machholz. Depending on geographic location, it may be impossible to find them all, and may be better to slightly modify this list. In case of doubt consult Don Machholz's book. This list should be good for northern latitudes 20 to 40.

Date: ___/___/___ Observer: _____

Location: Akron, OH Lat: N 40° 58' 11" Long: W 81° 33' 38" Time Zone: EDT (UTC-4)

Instrument(s) used: _____

General Comments: _____

The Object List:

No.	M#	NGC#	Con	Type	Your#	Time	Comments
1.	M77	1068	Cet	SG		__:__	
2.	M74	628	Psc	SG		__:__	
3.	M33	598	Tri	SG		__:__	Pinwheel galaxy
4.	M31	224	And	SG		__:__	Andromeda galaxy
5.	M32	221	And	EG		__:__	
6.	M110	205	And	EG		__:__	
7.	M52	7654	Cas	OC		__:__	
8.	M103	581	Cas	OC		__:__	
9.	M76	650	Per	PN		__:__	Little Dumbbell
10.	M34	1039	Per	OC		__:__	
11.	M45		Tau	OC		__:__	Pleiades
12.	M79	1904	Lep	GC		__:__	
13.	M42	1976	Ori	DN		__:__	Orion nebula
14.	M43	1982	Ori	DN		__:__	
15.	M78	2068	Ori	DN		__:__	
16.	M1	1952	Tau	DN		__:__	Crab nebula – supernova remnant
17.	M35	2168	Gem	OC		__:__	
18.	M37	2099	Aur	OC		__:__	
19.	M36	1960	Aur	OC		__:__	
20.	M38	1922	Aur	OC		__:__	
21.	M41	2287	CMa	OC		__:__	

No.	M#	NGC#	Con	Type	Your#	Time	Comments
22.	M93	2447	Pup	OC		___:___	
23.	M47	2422	Pup	OC		___:___	
24.	M46	2437	Pup	OC		___:___	
25.	M50	2323	Mon	OC		___:___	
26.	M48	2548	Hya	OC		___:___	
27.	M44	2632	Cnc	OC		___:___	Beehive cluster
28.	M67	2628	Cnc	OC		___:___	
29.	M95	3351	Leo	SG		___:___	
30.	M96	3368	Leo	SG		___:___	
31.	M105	3379	Leo	EG		___:___	
32.	M65	3623	Leo	SG		___:___	
33.	M66	3627	Leo	SG		___:___	
34.	M81	3031	UMa	SG		___:___	
35.	M82	3034	UMa	IG		___:___	
36.	M97	3587	UMa	PN		___:___	Owl nebula
37.	M108	3556	UMa	SG		___:___	
38.	M109	3992	UMa	SG		___:___	
39.	M40		UMa			___:___	(double star)
40.	M106	4258	CVn	SG		___:___	
41.	M94	4736	CVn	SG		___:___	
42.	M63	5055	CVn	SG		___:___	Sunflower galaxy
43.	M51	5194	CVn	SG		___:___	Whirlpool galaxy
44.	M101	5457	UMa	SG		___:___	
45.	M102?	5866	Dra	EG		___:___	Mysterious entry! Duplication of M101?
46.	M53	5024	Com	GC		___:___	
47.	M64	4826	Com	SG		___:___	Blackeye galaxy
48.	M3	5272	CVn	GC		___:___	
49.	M98	4192	Com	SG		___:___	
50.	M99	4254	Com	SG		___:___	
51.	M100	4321	Com	SG		___:___	
52.	M85	4382	Com	EG		___:___	
53.	M84	4374	Vir	EG		___:___	
54.	M86	4406	Vir	EG		___:___	
55.	M87	4486	Vir	EG		___:___	
56.	M89	4552	Vir	EG		___:___	

No.	M#	NGC#	Con	Type	Your#	Time	Comments
57.	M90	4569	Vir	SG		___:___	
58.	M88	4501	Com	SG		___:___	
59.	M91	4548	Com	SG		___:___	
60.	M58	4579	Vir	SG		___:___	
61.	M59	4621	Vir	EG		___:___	
62.	M60	4649	Vir	EG		___:___	
63.	M49	4472	Vir	EG		___:___	
64.	M61	4303	Vir	SG		___:___	
65.	M104	4594	Vir	SG		___:___	Sombrero Galaxy
66.	M68	4590	Hya	GC		___:___	
67.	M83	5236	Hya	SG		___:___	
68.	M5	5904	Ser	GC		___:___	
69.	M13	6205	Her	GC		___:___	Hercules cluster
70.	M92	6341	Her	GC		___:___	
71.	M57	6720	Lyr	PN		___:___	Ring nebula
72.	M56	6779	Lyr	GC		___:___	
73.	M29	6913	Cyg	OC		___:___	
74.	M39	7092	Cyg	OC		___:___	
75.	M27	6853	Vul	PN		___:___	Dumbbell nebula
76.	M71	6838	Sge	GC		___:___	
77.	M107	6171	Oph	GC		___:___	
78.	M12	6218	Oph	GC		___:___	
79.	M10	6254	Oph	GC		___:___	
80.	M14	6402	Oph	GC		___:___	
81.	M9	6333	Oph	GC		___:___	
82.	M4	6121	Sco	GC		___:___	
83.	M80	6093	Sco	GC		___:___	
84.	M19	6273	Oph	GC		___:___	
85.	M62	6266	Oph	GC		___:___	
86.	M6	6405	Sco	OC		___:___	Butterfly cluster
87.	M7	6475	Sco	OC		___:___	
88.	M11	6705	Sct	OC		___:___	Wild Duck cluster
89.	M26	6694	Sct	OC		___:___	
90.	M16	6611	Ser	OC		___:___	Eagle nebula
91.	M17	6618	Sgr	DN		___:___	Swan nebula

No.	M#	NGC#	Con	Type	Your#	Time	Comments
92.	M18	6613	Sgr	OC		__:__	
93.	M24	>6603	Sgr	OC		__:__	
94.	M25	14725	Sgr	OC		__:__	
95.	M23	6494	Sgr	OC		__:__	
96.	M21	6531	Sgr	OC		__:__	
97.	M20	6514	Sgr	DN		__:__	Trifid nebula
98.	M8	6523	Sgr	DN		__:__	Lagoon nebula
99.	M28	6626	Sgr	GC		__:__	
100.	M22	6656	Sgr	GC		__:__	
101.	M69	6637	Sgr	GC		__:__	
102.	M70	6681	Sgr	GC		__:__	
103.	M54	6715	Sgr	GC		__:__	
104.	M55	6809	Sgr	GC		__:__	
105.	M75	6864	Sgr	GC		__:__	
106.	M15	7078	Peg	GC		__:__	
107.	M2	7089	Aqr	GC		__:__	
108.	M72	6981	Aqr	GC		__:__	
109.	M73	6994	Aqr			__:__	(asterism of 4 stars)
110.	M30	7099	Cap	GC		__:__	

Key:

No. Don Machholz' sequence number
M# Messier number
NGC# NGC (or IC) number
Con Constellation (abbreviated)
Type Object Type (see below)
Your# Your actual sequence number
Time Your observing time (in your time zone)
Comments Any important observing circumstances/results etc.

Types:

<blank> .. asterisms (2)	IG Irregular Galaxy (1)	Total objects: (110)
DN Diffuse Nebula (7)	OC Open Cluster (28)	
EG Elliptical Galaxy (12)	PN Planetary Nebula (4)	
GC Globular Cluster (29)	SG Spiral Galaxy (27)	

Score _____ of 110 !!!

Special thanks to: Hartmut Frommert - <http://www.seds.org/~spider/>
Christine Kronberg - <http://www.maa.mhn.de/P/smil.htm>

MESSIER CARD

...with additional deep-sky objects

