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 \* Messier Marathon Observer's Form \*  
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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  
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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.

My Messier Marathon  
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Date: \_\_\_\_ . \_\_\_\_ \_\_\_\_ Observer: \_\_\_\_\_

Location: \_\_\_\_\_ Lat: \_\_\_\_ Long: \_\_\_\_ Time Zone: \_\_\_\_

Instruments used: \_\_\_\_\_

General Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

The Object List:  
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No.	M#	NGC#	Con	Type	Your#	Time	Comments
1.	M77	1068	Cet	G S	_____	__:__	_____
2.	M74	628	Psc	G S	_____	__:__	_____
3.	M33	598	Tri	G S	_____	__:__	_____
4.	M31	224	And	G S	_____	__:__	_____
5.	M32	221	And	G E	_____	__:__	_____
6.	M110	205	And	G E	_____	__:__	_____
7.	M52	7654	Cas	OC1	_____	__:__	_____
8.	M103	581	Cas	OC1	_____	__:__	_____
9.	M76	650	Per	Pl	_____	__:__	_____
10.	M34	1039	Per	OC1	_____	__:__	_____
11.	M45	-	Tau	OC1	_____	__:__	_____
12.	M79	1904	Lep	G1	_____	__:__	_____

13.	M42	1976	ori	DN	_____	__:	_____
14.	M43	1982	Ori	DN	_____	__:	_____
15.	M78	2068	Ori	DN	_____	__:	_____
16.	M1	1952	Tau	SNR	_____	__:	_____
17.	M35	2168	Gem	OCl	_____	__:	_____
18.	M37	2099	Aur	OCl	_____	__:	_____
19.	M36	1960	Aur	OCl	_____	__:	_____
20.	M38	1922	Aur	OCl	_____	__:	_____
21.	M41	2287	CMa	OCl	_____	__:	_____
22.	M93	2447	Pup	OCl	_____	__:	_____
23.	M47	2422	Pup	OCl	_____	__:	_____
24.	M46	2437	Pup	OCl	_____	__:	_____
25.	M50	2323	Mon	OCl	_____	__:	_____
26.	M48	2548	Hya	OCl	_____	__:	_____
27.	M44	2632	Cnc	OCl	_____	__:	_____
28.	M67	2628	Cnc	OCl	_____	__:	_____
29.	M95	3351	Leo	G S	_____	__:	_____
30.	M96	3368	Leo	G S	_____	__:	_____
31.	M105	3379	Leo	G E	_____	__:	_____
32.	M65	3623	Leo	G S	_____	__:	_____
33.	M66	3627	Leo	G S	_____	__:	_____
34.	M81	3031	UMa	G S	_____	__:	_____
35.	M82	3034	UMa	G Ir	_____	__:	_____
36.	M97	3587	UMa	P1	_____	__:	_____
37.	M108	3556	UMa	G S	_____	__:	_____
38.	M109	3992	UMa	G S	_____	__:	_____
39.	M40	-	UMa	2St	_____	__:	_____
40.	M106	4258	CVn	G S	_____	__:	_____
41.	M94	4736	CVn	G S	_____	__:	_____
42.	M63	5055	CVn	G S	_____	__:	_____

43.	M51	5194	CVn	G S	_____	__:	_____
44.	M101	5457	UMa	G S	_____	__:	_____
45.	M102?	5866	Dra	GS0	_____	__:	_____
46.	M53	5024	Com	G1	_____	__:	_____
47.	M64	4826	Com	G S	_____	__:	_____
48.	M3	5272	CVn	G1	_____	__:	_____
49.	M98	4192	Com	G S	_____	__:	_____
50.	M99	4254	Com	G S	_____	__:	_____
51.	M100	4321	Com	G S	_____	__:	_____
52.	M85	4382	Com	GS0	_____	__:	_____
53.	M84	4374	Vir	GS0	_____	__:	_____
54.	M86	4406	Vir	GS0	_____	__:	_____
55.	M87	4486	Vir	G E	_____	__:	_____
56.	M89	4552	Vir	G E	_____	__:	_____
57.	M90	4569	Vir	G S	_____	__:	_____
58.	M88	4501	Com	G S	_____	__:	_____
59.	M91	4548	Com	G S	_____	__:	_____
60.	M58	4579	Vir	G S	_____	__:	_____
61.	M59	4621	Vir	G E	_____	__:	_____
62.	M60	4649	Vir	G E	_____	__:	_____
63.	M49	4472	Vir	G E	_____	__:	_____
64.	M61	4303	Vir	G S	_____	__:	_____
65.	M104	4594	Vir	G S	_____	__:	_____
66.	M68	4590	Hya	G1	_____	__:	_____
67.	M83	5236	Hya	G S	_____	__:	_____
68.	M5	5904	Ser	G1	_____	__:	_____
69.	M13	6205	Her	G1	_____	__:	_____
70.	M92	6341	Her	G1	_____	__:	_____
71.	M57	6720	Lyr	P1	_____	__:	_____
72.	M56	6779	Lyr	G1	_____	__:	_____

73.	M29	6913	Cyg	OC1	_____	__:	__	_____
74.	M39	7092	Cyg	OC1	_____	__:	__	_____
75.	M27	6853	Vul	Pl	_____	__:	__	_____
76.	M71	6838	Sge	G1	_____	__:	__	_____
77.	M107	6171	Oph	G1	_____	__:	__	_____
78.	M12	6218	Oph	G1	_____	__:	__	_____
79.	M10	6254	Oph	G1	_____	__:	__	_____
80.	M14	6402	Oph	G1	_____	__:	__	_____
81.	M9	6333	Oph	G1	_____	__:	__	_____
82.	M4	6121	Sco	G1	_____	__:	__	_____
83.	M80	6093	Sco	G1	_____	__:	__	_____
84.	M19	6273	Oph	G1	_____	__:	__	_____
85.	M62	6266	Oph	G1	_____	__:	__	_____
86.	M6	6405	Sco	OC1	_____	__:	__	_____
87.	M7	6475	Sco	OC1	_____	__:	__	_____
88.	M11	6705	Sct	OC1	_____	__:	__	_____
89.	M26	6694	Sct	OC1	_____	__:	__	_____
90.	M16	6611	Ser	OC1	_____	__:	__	_____
91.	M17	6618	Sgr	DN	_____	__:	__	_____
92.	M18	6613	Sgr	OC1	_____	__:	__	_____
93.	M24	>6603	Sgr	OC1	_____	__:	__	_____
94.	M25	I4725	Sgr	OC1	_____	__:	__	_____
95.	M23	6494	Sgr	OC1	_____	__:	__	_____
96.	M21	6531	Sgr	OC1	_____	__:	__	_____
97.	M20	6514	Sgr	DN	_____	__:	__	_____
98.	M8	6523	Sgr	DN	_____	__:	__	_____
99.	M28	6626	Sgr	G1	_____	__:	__	_____
100.	M22	6656	Sgr	G1	_____	__:	__	_____
101.	M69	6637	Sgr	G1	_____	__:	__	_____
102.	M70	6681	Sgr	G1	_____	__:	__	_____

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103.  M54   6715 Sgr  Gl  _____  __:___  _____
104.  M55   6809 Sgr  Gl  _____  __:___  _____
105.  M75   6864 Sgr  Gl  _____  __:___  _____
106.  M15   7078 Peg  Gl  _____  __:___  _____
107.   M2   7089 Aqr  Gl  _____  __:___  _____
108.  M72   6981 Aqr  Gl  _____  __:___  _____
109.  M73   6994 Aqr  4St _____  __:___  _____
110.  M30   7099 Cap  Gl  _____  __:___  _____

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*                                     *
*                                     *
*   Score: _____ of 110  !!  *
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*                                     *
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## Key:

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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.

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## Types:

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OCl=Open Cluster, Gl=Globular Cluster, Pl=Planetary Nebula,
DN=Diffuse Nebula, G S=Spiral Galaxy, G E=Elliptical Galaxy,
GIr=Irregular Galaxy, GS0=Lenticular (S0) Galaxy, SNR=SNR,
2St=Binary Star, 4St=4 Star System

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Hartmut Frommert   - http://www.seds.org/~spider/
Christine Kronberg - http://www.maa.mhn.de/P/smil.html

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