

# NJAA's MESSIER MARATHON

## Target List for BINOCULARS

Name \_\_\_\_\_

Optical Equipment \_\_\_\_\_

1. OBJECTS 1 TO 5 SHOULD BE FOUND BEFORE TWILIGHT ENDS

2. OBJECTS 6 TO 12 ARE EARLY EVENING OBJECTS.

ORDER	M#	CON	TYPE	RA	Dec	MAG	DIM	GET IT?	REMARKS
1	M45	TAU	OC	03 47.0	+24 07	1.2	110		
2	M42	ORI	DN	05 35.4	-05 27	--	85x60		
3	M41	CMA	OC	06 46.0	-20 44	4.5	38		
4	M35	GEM	OC	06 08.9	+24 20	5.1	28		
5	M31	AND	GAL	00 42.7	+41 16	3.5	178x63		
6	M32	AND	GAL	00 42.7	+40 52	8.2	8x6		
7	M33	TRI	GAL	01 33.9	+30 39	8.0	73x45		
8	M79	LEP	GC	05 24.5	-24 33	8.0	8.7		
9	M52	CAS	OC	23 24.2	+61 35	6.9	13		
10	M103	CAS	OC	01 33.2	+60 42	7.4	6		
11	M34	PER	OC	02 42.0	+42 47	5.2	35		
12	M38	AUR	OC	05 28.4	+35 50	6.4	21		
13	M36	AUR	OC	05 36.1	+34 08	6.0	12		
14	M37	AUR	OC	05 52.4	+32 33	5.6	24		
15	M1	TAU	DN	05 34.5	+22 01	--	6x4		
16	M78	ORI	DN	05 46.7	+00 03	--	8x6		
17	M50	MON	OC	07 03.2	-08 20	5.9	16		
18	M47	PUP	OC	07 36.6	-14 30	4.4	30		
19	M46	PUP	OC	07 41.8	-14 49	6.1	27		
20	M93	PUP	OC	07 44.6	-23 52	6.2	22		
21	M48	HYA	OC	08 13.8	-05 48	5.8	54		
22	M44	CNC	OC	08 40.1	+19 59	3.1	95		
23	M67	CNC	OC	08 50.4	+11 49	6.9	30		
24	M81	UMA	GAL	09 55.6	+69 04	6.9	21x10		
25	M82	UMA	GAL	09 55.8	+69 41	8.4	9x4		
26	M40	UMA	DS	12 22.4	+58 05	8.0	0.8		
27	M94	CVN	GAL	12 50.9	+41 07	8.2	7x3		
28	M63	CVN	GAL	13 15.8	+42 02	8.6	10x6		
29	M49	VIR.	GAL	12 29.8	+08 00	8.4	9x7.5		

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30	M53	COM	GC	13 12.9	+18 10	7.7	12.6		
31	M64	COM	GAL	12 56.7	+21 41	8.5	9.3x5.4		
32	M3	CVN	GC	13 42.2	+28 23	6.4	16.2		
33	M104	VIR.	GAL	12 40.0	-11 37	8.3	9x4		
34	M83	HYA	GAL	13 37.0	-29 52	8	11x10		
35	M5	SER	GC	15 18.6	+02 05	5.8	17.4		
36	M13	HER	GC	16 41.7	+36 28	5.9	16.6		
37	M92	HER	GC	17 17.1	+43 08	6.3	11.2		
38	M12	OPH	GC	16 47.2	-01 57	6.6	14.5		
39	M10	OPH	GC	16 57.1	-04 06	6.6	15.1		
40	M14	OPH	GC	17 37.6	-03 15	7.6	11.7		
41	M4	SCO	GC	16 23.6	-26 32	5.9	26.3		
42	M80	SCO	GC	16 17.0	-22 59	7.2	8.9		
43	M62	OPH	GC	17 01.2	-30 07	6.6	14.1		
44	M19	OPH	GC	17 02.6	-26 16	7.9	13.5		
45	M6	SCO	OC	17 40.1	-32 13	4.2	25		
46	M7	SCO	OC	17 53.9	-34 49	3.3	80		
47	M8	SGR	DN	18 03.8	-24 23	--	90x40		
48	M23	SGR	OC	17 56.8	-19 01	5.5	27		
49	M24	SGR	OC	18 16.9	-18 29	4.5	90		
50	M18	SGR	OC	18 19.9	-17 08	6.9	9		
51	M25	SGR	OC	18 31.6	-19 15	4.6	40		
52	M17	SGR	DN	18 20.8	-16 11	--	11		
53	M16	SGR	DN	18 18.8	-13 47	--	7		
54	M22	SGR	GC	18 36.4	-23 54	5.1	24		
55	M28	SGR	GC	18 24.5	-24 52	6.9	11.2		
56	M11	SCT	OC	18 51.1	-06 16	5.8	14		
57	M39	CYG	OC	21 32.2	+48 26	4.6	32		
58	M29	CYG	OC	20 23.9	+38 32	6.6	7		

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ORDER	M#	CON	TYPE	RA	Dec	MAG	DIM	GET IT?	REMARKS
59	M27	VUL	PN	19 59.6	+22 43	7.6	8.0x5.7		
60	M55	SGR	GC	19 40.0	-30 58	7	19		
61	M15	PEG	GC	21 30.0	+12 10	6.4	12.3		
62	M2	AQR	GC	21 33.5	-00 49	6.5	12.9		
63	M30	CAP	GC	21 40.4	-23 11	7.5	11		