

# WAS Messier Marathon Log – 2010

( Harvard Pennington's Sequence )

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_ Instrument: \_\_\_\_\_

Method  Manual or  Computer Assisted

Aperture  4 inches or less or  More than 4 inches

Seq#	Object	Time Found	Seq#	Object	Time Found	Seq#	Object	Time Found
1	M 74		38	M 51		75	M 39	
2	M 77		39	M 101		76	M 5	
3	M 31		40	M 106		77	M 10	
4	M 110		41	M 40		78	M 12	
5	M 32		42	M 81		79	M 107	
6	M 33		43	M 82		80	M 9	
7	M 34		44	M 97		81	M 14	
8	M 76		45	M 108		82	M 11	
9	M 79		46	M 109		83	M 26	
10	M 42		47	M 102		84	M 16	
11	M 43		48	M 63		85	M 17	
12	M 78		49	M 94		86	M 18	
13	M 50		50	M 68		87	M 6	
14	M 47		51	M 83		88	M 7	
15	M 46		52	M 104		89	M 19	
16	M 41		53	M 61		90	M 62	
17	M 93		54	M 49		91	M 4	
18	M 52		55	M 58		92	M 80	
19	M 103		56	M 59		93	M 8	
20	M 1		57	M 60		94	M 20	
21	M 45		58	M 84		95	M 21	
22	M 36		59	M 86		96	M 23	
23	M 37		60	M 87		97	M 24	
24	M 38		61	M 88		98	M 25	
25	M 35		62	M 89		99	M 22	
26	M 48		63	M 90		100	M 28	
27	M 44		64	M 91		101	M 54	
28	M 67		65	M 98		102	M 69	
29	M 65		66	M 99		103	M 70	
30	M 66		67	M 100		104	M 55	
31	M 95		68	M 13		105	M 75	
32	M 96		69	M 92		106	M 15	
33	M 105		70	M 56		107	M 2	
34	M 3		71	M 57		108	M 72	
35	M 53		72	M 71		109	M 73	
36	M 64		73	M 27		110	M 30	
37	M 85		74	M 29				

Total Found: \_\_\_\_\_ Signed: \_\_\_\_\_

## WAS Messier Marathon 2010 — Rules

- The Marathon will be held at Coyle Field on Route 72 in NJ (Coyle is at 39° 48' 47" North, 74° 25' 20" West). Because of rain on the primary date of March 13, the Marathon will be postponed until Saturday evening, March 20, and run to sunrise on Sunday, March 21, 2010. Here's the timeline for Coyle that night (all are EDT):

Sunset, March 20:	7:10 pm	
End of astro twilight:	8:40 pm	
Moonset, March 21:	12:28 am	(at 10 pm, it will be 25% illuminated)
Start of astro twilight:	5:29 am	
Sunrise, March 21:	7:00 am	

This event is dependent on weather and member interest, so a call will be made on Saturday afternoon and announced on the WAS Home Page and the Yahoo e-Group.

- There will be four categories, one for each method and aperture range:
  - Computer Assisted...*
    - aperture > 4 inches
    - aperture ≤ 4 inches
  - Manual...*
    - aperture > 4 inches
    - aperture ≤ 4 inches
- The computer-assisted mode applies to "go-to" telescopes and electronic setting circles, such as those used on Dobsonian mounts.
- The sequence is designed to efficiently find all objects in a single night, but you're not obligated to use this particular sequence.
- You may ask anyone for *help* (but you still need to locate the object yourself).
- You can start and finish at any times you choose (but of course, starting late or quitting early could limit the total number of objects you acquire).
- All objects must be observed through the designated instrument, even naked-eye objects (other instruments, such as binoculars, may be used supplementally for searching). If one is so inclined, independent logs may be maintained for separate instruments.
- When you find and confirm an object, mark the time in the respective box on the log.
- You should keep score and add up the total yourself. Completed logs can be given to any club officer either at the Marathon or at the next club meeting. ***We will be operating on an honor system.***
- For the purposes of this Marathon:
  - M 102 = NGC 5866 (rather than just a duplicate of M 101 / NGC 5457)
  - M 110 = NGC 205 (the final 20<sup>th</sup> Century addition to Messier's catalog)