

2006 SJAA Messier Marathon

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Location: **Henry Coe Park** Lat:**37.211** Long:**-121.514**

Sunset (3/25) **18:24** Sunrise (3/26) **06:02**

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 (or check mark)
- Time : Your observing time (in your time zone)

R: Rise Time T: Transit Time S: Set Time AA: Always Above Horizon

Times not shown if before sunset or after sunrise

Types:

OC1=Open Cluster, G1=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

The Object List:

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No.	M#	Con	Type	Your#	Time				
								S 23:45	
						11.	M45 Tau OC1	_____	__:_
							S 23:04		
1.	M77	Cet	G S	_____	__:_	12.	M79 Lep G1	_____	__:_
					S 20:40		S 22:00		
2.	M74	Psc	G S	_____	__:_	13.	M42 ori DN	_____	__:_
					S 20:24		S 23:19		
3.	M33	Tri	G S	_____	__:_	14.	M43 Ori DN	_____	__:_
					S 21:19		S 23:16		
4.	M31	And	G S	_____	__:_	15.	M78 Ori DN	_____	__:_
					S 21:30		S 23:43		
5.	M32	And	G E	_____	__:_	16.	M1 Tau SNR	_____	__:_
					S 21:27		S 00:47		
6.	M110	And	G E	_____	__:_	17.	M35 Gem OC1	_____	__:_
					S 21:31		S 01:30		
7.	M52	Cas	OC1	_____	__:_	18.	M37 Aur OC1	_____	__:_
					AA T 11:20		S 01:50		
8.	M103	Cas	OC1	_____	__:_	19.	M36 Aur OC1	_____	__:_
					AA T 13:28		S 01:42		
9.	M76	Per	Pl	_____	__:_	20.	M38 Aur OC1	_____	__:_
					S 00:55		S 01:44		
10.	M34	Per	OC1	_____	__:_				

21.	M41 CMa OC1	_____	__:	__	40.	M106 CVn G S	_____	__:	__
	S 23:35					T 00:16			
22.	M93 Pup OC1	_____	__:	__	41.	M94 CVn G S	_____	__:	__
	T 19:39 S 00:26					T 00:48			
23.	M47 Pup OC1	_____	__:	__	42.	M63 CVn G S	_____	__:	__
	T 19:31 S 00:51					T 01:13			
24.	M46 Pup OC1	_____	__:	__	43.	M51 CVn G S	_____	__:	__
	T 19:36 S 00:55					T 01:27			
25.	M50 Mon OC1	_____	__:	__	44.	M101 UMa G S	_____	__:	__
	T 18:57 S 00:18					AA T 02:00			
26.	M48 Hya OC1	_____	__:	__	45.	M102 Dra GS0	_____	__:	__
	T 20:08 S 01:56					NGC 5866 AA T 03:03			
27.	M44 Cnc OC1	_____	__:	__	46.	M53 Com G1	_____	__:	__
	T 20:34 S 03:44					R 18:02 T 01:10			
28.	M67 Cnc OC1	_____	__:	__	47.	M64 Com G S	_____	__:	__
	T 20:44 S 03:27					R 17:34 T 00:54			
29.	M95 Leo G S	_____	__:	__	48.	M3 CVn G1	_____	__:	__
	T 22:38 S 05:20					R 17:52 T 01:39			
30.	M96 Leo G S	_____	__:	__	49.	M98 Com G S	_____	__:	__
	T 22:40 S 05:23					T 00:07			
31.	M105 Leo G E	_____	__:	__	50.	M99 Com G S	_____	__:	__
	T 22:41 S 05:26					T 00:16			
32.	M65 Leo G S	_____	__:	__	51.	M100 Com G S	_____	__:	__
	T 23:12					T 00:20			
33.	M66 Leo G S	_____	__:	__	52.	M85 Com GS0	_____	__:	__
	T 23:14					T 00:23			
34.	M81 UMa G S	_____	__:	__	53.	M84 Vir GS0	_____	__:	__
	AA T 21:49					R 17:33 T 00:22			
35.	M82 UMa G Ir	_____	__:	__	54.	M86 Vir GS0	_____	__:	__
	AA T 21:50					R 17:33 T 00:23			
36.	M97 UMa P1	_____	__:	__	55.	M87 Vir G E	_____	__:	__
	AA T 23:08					R 17:40 T 00:28			
37.	M108 UMa G S	_____	__:	__	56.	M89 Vir G E	_____	__:	__
	AA T 23:05					R 17:44 T 00:33			
38.	M109 UMa G S	_____	__:	__	57.	M90 Vir G S	_____	__:	__
	AA T 23:51					R 17:43 T 00:34			
39.	M40 UMa 2St	_____	__:	__	58.	M88 Com G S	_____	__:	__
	AA T 00:20					R 17:34 T 00:29			

59.	M91 Com G S _____ __:__ R 17:38 T 00:33	78.	M12 Oph Gl _____ __:__ R 22:44 T 04:24
60.	M58 Vir G S _____ __:__ R 17:49 T 00:35	79.	M10 Oph Gl _____ __:__ R 23:00 T 04:54
61.	M59 Vir G E _____ __:__ R 17:54 T 00:39	80.	M14 Oph Gl _____ __:__ R 23:38
62.	M60 Vir G E _____ __:__ R 17:55 T 00:41	81.	M9 Oph Gl _____ __:__ R 00:09 T 05:16
63.	M49 Vir G E _____ __:__ R 17:53 T 00:27	82.	M4 Sco Gl _____ __:__ R 23:43 T 04:21
64.	M61 Vir G S _____ __:__ R 17:56 T 00:19	83.	M80 Sco Gl _____ __:__ R 23:23 T 04:14
65.	M104 Vir G S _____ __:__ R 19:07 T 00:37 S 04:58	84.	M19 Oph Gl _____ __:__ R 00:25 T 04:59
66.	M68 Hya Gl _____ __:__ R 20:00 T 00:37 S 04:04	85.	M62 Oph Gl _____ __:__ R 00:20 T 04:58
67.	M83 Hya G S _____ __:__ R 21:11 T 01:34	86.	M6 Sco OC1 _____ __:__ R 01:28
68.	M5 Ser Gl _____ __:__ R 21:03 T 03:15	87.	M7 Sco OC1 _____ __:__ R 01:55
69.	M13 Her Gl _____ __:__ R 20:14 T 04:38	88.	M11 Sct OC1 _____ __:__ R 01:05
70.	M92 Her Gl _____ __:__ R 20:03 T 05:14	89.	M26 Sct OC1 _____ __:__ R 01:08
71.	M57 Lyr Pl _____ __:__ R 22:44	90.	M16 Ser OC1 _____ __:__ R 00:56
72.	M56 Lyr Gl _____ __:__ R 23:21	91.	M17 Sgr DN _____ __:__ R 01:06
73.	M29 Cyg OC1 _____ __:__ R 23:43	92.	M18 Sgr OC1 _____ __:__ R 01:08
74.	M39 Cyg OC1 _____ __:__ R 23:20	93.	M24 Sgr OC1 _____ __:__ R 01:10
75.	M27 Vul Pl _____ __:__ R 00:39	94.	M25 Sgr OC1 _____ __:__ R 01:27
76.	M71 Sge Gl _____ __:__ R 00:48	95.	M23 Sgr OC1 _____ __:__ R 00:52
77.	M107 Oph Gl _____ __:__ R 23:04 T 04:29	96.	M21 Sgr OC1 _____ __:__ R 01:12

97.	M20 Sgr DN	_____	__:	__	R 03:22		
	R 01:12				105.	M75 Sgr G1	_____
98.	M8 Sgr DN	_____	__:	__		R 03:11	
	R 01:18				106.	M15 Peg G1	_____
99.	M28 Sgr G1	_____	__:	__		R 02:46	
	R 01:41				107.	M2 Aqr G1	_____
100.	M22 Sgr G1	_____	__:	__		R 03:29	
	R 01:49				108.	M72 Aqr G1	_____
101.	M69 Sgr G1	_____	__:	__		R 03:26	
	R 02:20				109.	M73 Aqr 4St	_____
102.	M70 Sgr G1	_____	__:	__		R 03:32	
	R 02:32				110.	M30 Cap G1	_____
103.	M54 Sgr G1	_____	__:	__		R 04:50	
	R 02:35						
104.	M55 Sgr G1	_____	__:	__			