

Messier Observing List, evening of 2012 Feb 1 at Cleveland, Ohio

Sunset 17:46, Twilight ends 19:17, Twilight begins 06:03, Sunrise 07:34, Moon rise 12:05, Moon set 03:24

Completely dark from 03:24 to 06:03. First Quarter Moon. All times local (EST).

Listing All Classes visible above the perfect horizon and in twilight or moonlight before 23:59.

Cls	Primary ID	Alternate ID	Con	RA (Ap)	Dec (Ap)	Mag	Size	Distance	Rise	Transit	Set
Gal	Cigar Galaxy	M 82	UMa	09h56m56.8s	+69°37'03"	9	9.3'x 4.4'	12.0 Mly	-	1:36	-
Gal	Bode's Galaxy	M 81	UMa	09h56m36.7s	+69°00'13"	7.8	21.9'x 10.5'	12.0 Mly	-	1:36	-
Open	M 52	NGC 7654	Cas	23h25m19.8s	+61°39'52"	8.2	15.0'	4600 ly	-	15:06	-
Open	M 103	NGC 581	Cas	01h34m12.6s	+60°43'02"	6.9	5.0'	7200 ly	-	17:15	-
Doub	M 40	HD 238107	UMa	12h22m49.2s	+58°00'34"	9.6		510 ly	-	4:02	-
Gal	M 102	NGC 5866	Dra	15h06m49.6s	+55°42'39"	10.7	6.3'x 2.8'	47.0 Mly	-	6:45	-
Gal	M 108	NGC 3556	UMa	11h12m15.9s	+55°36'09"	10.7	5.4'x 1.9'	53.0 Mly	-	2:51	-
PNe	Owl Nebula	M 97	UMa	11h15m32.1s	+54°56'50"	11	3.4'	2000 ly	-	2:55	-
Gal	M 101	NGC 5457	UMa	14h03m38.9s	+54°17'01"	8.4	21.9'x 21.4'	28.0 Mly	-	5:42	-
Gal	M 109	NGC 3992	UMa	11h58m15.6s	+53°18'03"	10.5	7.4'x 4.9'	64.0 Mly	-	3:37	-
PNe	Little Dumbbell	M 76	Per	01h43m07.0s	+51°38'26"	10.1	2.7'	2400 ly	-	17:24	-
Open	M 39	NGC 7092	Cyg	21h32m13.2s	+48°29'21"	5.3	29.0'	1100 ly	-	13:14	-
Gal	M 106	NGC 4258	CVn	12h19m35.3s	+47°13'49"	9.1	16.6'x 6.3'	30.0 Mly	16:19	3:58	15:42
Gal	Whirlpool Galaxy	M 51	CVn	13h30m24.1s	+47°07'33"	8.7	9.8'x 7.8'	43.0 Mly	17:38	5:09	16:45
Glob	M 92	NGC 6341	Her	17h17m28.8s	+43°07'14"	6.5	14.0'	33000 ly	22:57	8:56	18:58
Open	M 34	NGC 1039	Per	02h42m53.4s	+42°48'59"	5.8	35.0'	1600 ly	8:25	18:23	4:18
Gal	Sunflower Galaxy	M 63	CVn	13h16m23.2s	+41°57'34"	9.3	12.0'x 7.2'	43.0 Mly	19:11	4:55	14:43
Gal	M 110	NGC 205	And	00h41m02.5s	+41°45'21"	8.9	17.8'x 9.8'	2.6 Mly	6:36	16:22	2:03
Gal	Andromeda Galaxy	M 31	And	00h43m24.6s	+41°20'19"	4.3	2.6°x 1.1°	2.6 Mly	6:44	16:24	2:01
Gal	M 94	NGC 4736	CVn	12h51m28.8s	+41°02'54"	8.7	10.0'x 8.7'	17.0 Mly	18:57	4:30	14:08
Gal	M 32	NGC 221	And	00h43m22.1s	+40°56'09"	8.9	8.5'x 5.9'	2.6 Mly	6:48	16:24	1:57
Open	M 29	NGC 6913	Cyg	20h24m22.9s	+38°32'54"	7.5	10.0'	3700 ly	2:53	12:06	21:15
Glob	Keystone Cluster	M 13	Her	16h42m06.8s	+36°26'01"	5.8	20.0'	26000 ly	23:28	8:20	17:16
Open	M 38	NGC 1912	Aur	05h29m31.3s	+35°51'29"	6.8	20.0'	3500 ly	12:22	21:10	5:57
Open	M 36	NGC 1960	Aur	05h37m08.6s	+34°08'50"	6.5	10.0'	4300 ly	12:41	21:17	5:53
PNe	Ring Nebula	M 57	Lyr	18h54m01.4s	+33°02'36"	9.4	1.4'	2600 ly	2:03	10:32	19:04
Open	M 37	NGC 2099	Aur	05h53m08.0s	+32°33'19"	6.2	14.0'	4500 ly	13:08	21:33	5:58
Gal	Pinwheel Galaxy	M 33	Tri	01h34m32.8s	+30°43'28"	6.4	61.7'x 36.3'	2.9 Mly	8:57	17:15	1:29
Glob	M 56	NGC 6779	Lyr	19h17m03.7s	+30°12'22"	8.4	8.8'	42000 ly	2:44	10:55	19:10
Glob	M 3	NGC 5272	CVn	13h42m45.7s	+28°18'44"	6.3	18.0'	42000 ly	21:21	5:21	13:26
Open	M 35	NGC 2168	Gem	06h09m46.9s	+24°20'47"	5.6	25.0'	3000 ly	14:09	21:50	5:30
Open	Pleiades	M 45	Tau	03h47m45.0s	+24°09'17"	1.5	120.0'	490 ly	11:44	19:28	3:08
PNe	Dumbbell	M 27	Vul	20h00m07.2s	+22°45'17"	7.3	8.0'	1100 ly	4:04	11:38	19:15
Neb	Crab Nebula	M 1	Tau	05h35m15.9s	+22°01'25"	8.4	8.0'		13:45	21:15	4:45
Gal	Black Eye Galaxy	M 64	Com	12h57m21.0s	+21°36'47"	9.3	10.0'x 5.0'	12.0 Mly	21:08	4:36	12:08
Open	Beehive	M 44	Cnc	08h41m08.2s	+19°37'12"	3.9	70.0'	610 ly	17:01	0:21	7:40
Glob	M 71	NGC 6838	Sge	19h54m17.9s	+18°48'37"	8.4	4.0'	16000 ly	4:16	11:32	18:52
Gal	M 85	NGC 4382	Com	12h26m02.4s	+18°07'10"	10	7.6'x 5.9'	70.0 Mly	20:52	4:05	11:18
Glob	M 53	NGC 5024	Com	13h13m32.0s	+18°06'05"	7.7	13.0'	65000 ly	21:39	4:52	12:09
Gal	M 74	NGC 628	Psc	01h37m21.7s	+15°50'46"	9.7	9.5'x 8.9'		10:10	17:18	0:22
Gal	M 100	NGC 4321	Com	12h23m33.4s	+15°45'04"	10	7.6'x 6.8'	70.0 Mly	20:59	4:02	11:06
Gal	M 98	NGC 4192	Com	12h14m27.1s	+14°49'39"	10.9	9.5'x 2.3'	70.0 Mly	20:54	3:53	10:53
Gal	M 91	NGC 4548	Com	12h36m04.7s	+14°25'31"	10.9	5.4'x 4.6'	70.0 Mly	21:17	4:15	11:13
Gal	M 88	NGC 4501	Com	12h32m37.6s	+14°20'57"	10.2	7.8'x 4.8'	70.0 Mly	21:14	4:11	11:09
Gal	St. Katherine's Wheel	M 99	Com	12h19m28.2s	+14°20'42"	10.4	5.1'x 4.6'	70.0 Mly	21:01	3:58	10:56
Gal	M 90	NGC 4569	Vir	12h37m28.3s	+13°05'30"	10.1	9.5'x 4.5'	70.0 Mly	21:23	4:16	11:09
Gal	M 65	NGC 3623	Leo	11h19m35.7s	+13°01'18"	10.1	8.1'x 2.1'	41.0 Mly	20:06	2:59	9:51
Gal	M 66	NGC 3627	Leo	11h20m54.8s	+12°55'16"	9.7	8.9'x 4.0'	41.0 Mly	20:08	3:00	9:52
Gal	M 86	NGC 4406	Vir	12h26m50.7s	+12°52'28"	9.8	10.0'x 7.4'	70.0 Mly	21:14	4:06	10:58
Gal	M 84	NGC 4374	Vir	12h25m42.5s	+12°48'56"	10.1	6.3'x 5.5'	70.0 Mly	21:13	4:05	10:57
Gal	M 105	NGC 3379	Leo	10h48m30.1s	+12°30'49"	10.2	5.0'x 4.6'	45.0 Mly	19:37	2:28	9:18

Gal	M 89	NGC 4552	Vir	12h36m18.2s	+12°29'07"	10.7	6.9'x 6.6'	70.0 Mly	21:25	4:15	11:06
Gal	M 87	NGC 4486	Vir	12h31m27.6s	+12°19'13"	9.6	7.9'x 7.4'	70.0 Mly	21:20	4:10	11:00
Glob	M 15	NGC 7078	Peg	21h30m32.8s	+12°13'15"	6.3	18.0'	42000 ly	6:18	13:12	20:02
Gal	M 96	NGC 3368	Leo	10h47m26.2s	+11°45'06"	10.1	7.6'x 5.0'	45.0 Mly	19:39	2:27	9:14
Open	M 67	NGC 2682	Cnc	08h52m00.1s	+11°45'02"	7.4	25.0'	3000 ly	17:44	0:31	7:19
Gal	M 58	NGC 4579	Vir	12h38m22.3s	+11°44'52"	10.5	5.6'x 4.4'	70.0 Mly	21:29	4:17	11:05
Gal	M 95	NGC 3351	Leo	10h44m38.2s	+11°38'09"	10.6	7.1'x 4.3'	45.0 Mly	19:36	2:24	9:11
Gal	M 59	NGC 4621	Vir	12h42m40.5s	+11°34'38"	10.7	4.8'x 3.3'	70.0 Mly	21:34	4:22	11:09
Gal	M 60	NGC 4649	Vir	12h44m18.3s	+11°28'57"	9.8	7.4'x 6.3'	70.0 Mly	21:36	4:23	11:10
Gal	M 49	NGC 4472	Vir	12h30m25.5s	+07°55'47"	9.3	9.3'x 7.6'	70.0 Mly	21:36	4:09	10:43
Gal	M 61	NGC 4303	Vir	12h22m33.8s	+04°24'14"	10.2	6.3'x 5.8'	70.0 Mly	21:41	4:01	10:22
Neb	M 78	NGC 2068	Ori	05h47m27.3s	+00°05'05"	8	8.0'		15:22	21:27	3:33
Gal	M 77	NGC 1068	Cet	02h43m19.1s	+00°02'14"	9.7	6.6'x 5.8'	70.0 Mly	12:18	18:24	0:29
Glob	M 2	NGC 7089	Aqr	21h34m04.1s	-00°46'08"	6.6	16.0'	49000 ly	7:09	13:15	19:18
Neb	M 43	NGC 1982	Ori	05h36m07.7s	-05°15'44"	9	7.0'x 6.0'		15:29	21:16	3:03
Neb	Great Orion Nebula	M 42	Ori	05h35m55.6s	-05°22'43"	4	40.0'x 20.0'		15:30	21:16	3:02
Open	M 48	NGC 2548	Hya	08h14m21.2s	-05°47'26"	5.5	30.0'	2500 ly	18:09	23:54	5:39
Open	M 50	NGC 2323	Mon	07h03m19.1s	-08°24'17"	7.2	14.0'	3300 ly	17:08	22:43	4:19
Gal	Sombrero Galaxy	M 104	Vir	12h40m38.9s	-11°41'29"	9.1	9.1'x 5.6'	60.0 Mly	22:56	4:19	9:43
Glob	M 72	NGC 6981	Aqr	20h54m07.5s	-12°29'24"	9.2	6.6'	68000 ly	7:11	12:36	17:56
Open	M 73	NGC 6994	Aqr	20h59m34.5s	-12°35'08"	8.9	9.0'	2000 ly	7:17	12:41	18:01
Open	M 47	NGC 2422	Pup	07h37m10.7s	-14°30'52"	4.3	25.0'	1600 ly	18:04	23:17	4:30
Open	M 46	NGC 2437	Pup	07h42m21.6s	-14°50'33"	6.6	20.0'	4500 ly	18:10	23:22	4:34
Open	M 41	NGC 2287	CMa	06h46m34.4s	-20°46'25"	5	39.0'	2300 ly	17:39	22:26	3:14
Glob	M 30	NGC 7099	Cap	21h41m02.8s	-23°07'23"	6.9	12.0'	39000 ly	8:41	13:22	18:00
Open	M 93	NGC 2447	Pup	07h45m03.1s	-23°53'24"	6.5	10.0'	3400 ly	18:50	23:25	3:59
Glob	M 79	NGC 1904	Lep	05h24m42.7s	-24°31'06"	7.7	9.6'	49000 ly	16:33	21:05	1:36