

## CAA - Yearlong Messier Marathon

Time represents 1 hour after sunset (*maximum darkness*). M-objects are approximately +/- 15 degrees off the meridian. **Red lettered objects** are circumpolar (*never set*).

Month	Time	Object	Catalog Number	R. A. hh mm.m	Dec Deg Min	Object Classification	Mag.	Constellation	Object
01/15/04	7:00	M076	NGC 650	01 42.2	+51 34	Nebula, Planetary	10.1	Perseus	M076
01/15/04	7:00	M034	NGC 1039	02 42.0	+42 47	Cluster, Open	5.2	Perseus	M034
01/15/04	7:00	M077	NGC 1068	02 42.7	-00 01	Galaxy, Spiral Sb	8.9	Cetus	M077
01/15/04	7:00	M045	M 45	03 47.5	+24 07	Cluster, Open	1.2	Taurus	M045
02/15/04	7:45	M079	NGC 1904	05 24.2	-24 31	Cluster, Globular	7.8	Lepus	M079
02/15/04	7:45	M038	NGC 1912	05 28.7	+35 50	Cluster, Open	6.4	Auriga	M038
02/15/04	7:45	M001	NGC 1952	05 34.5	+22 01	Nebula (Nova Rem.)	8.0	Taurus	M001
02/15/04	7:45	M042	NGC 1976	05 35.3	-05 23	Nebula/Cluster, Open	5.0	Orion	M042
02/15/04	7:45	M043	NGC 1982	05 35.5	-05 16	Nebula/Cluster, Open	7.0	Orion	M043
02/15/04	7:45	M036	NGC 1960	05 36.3	+34 08	Cluster, Open	6.0	Auriga	M036
02/15/04	7:45	M078	NGC 2068	05 46.7	+00 04	Nebula, Reflection	8.0	Orion	M078
02/15/04	7:45	M037	NGC 2099	05 53.0	+32 33	Cluster, Open	5.6	Auriga	M037
02/15/04	7:45	M035	NGC 2168	06 08.8	+24 20	Cluster, Open	5.1	Gemini	M035
02/15/04	7:45	M041	NGC 2287	06 47.0	-20 44	Cluster, Open	4.5	Canis Major	M041
03/15/04	8:00	M050	NGC 2323	07 03.0	-08 21	Cluster, Open	5.9	Monoceros	M050
03/15/04	8:00	M047	NGC 2422	07 36.6	-14 29	Cluster, Open	4.4	Puppis	M047
03/15/04	8:00	M046	NGC 2437	07 41.8	-14 49	Cluster, Open	6.1	Puppis	M046
03/15/04	8:00	M093	NGC 2447	07 44.6	-23 53	Cluster, Open	6.2	Puppis	M093
03/15/04	8:00	M048	NGC 2548	08 13.8	-05 48	Cluster, Open	5.8	Hydra	M048
03/15/04	8:00	M044	NGC 2632	08 40.0	+20 00	Cluster, Open	3.1	Cancer	M044
04/15/04	8:45	M067	NGC 2682	08 51.3	+11 48	Cluster, Open	6.9	Cancer	M067
04/15/04	8:45	M081	NGC 3031	09 55.8	+69 04	Galaxy, Spiral Sb	6.9	Ursa Major	M081
04/15/04	8:45	M082	NGC 3034	09 56.2	+69 42	Galaxy, Irregular	8.4	Ursa Major	M082
04/15/04	8:45	M095	NGC 3351	10 44.0	+11 42	Galaxy, Spiral SBb	9.7	Leo	M095
04/15/04	8:45	M096	NGC 3368	10 46.8	+11 49	Galaxy, Spiral Sb	9.2	Leo	M096
04/15/04	8:45	M105	NGC 3379	10 47.9	+12 43	Galaxy, Elliptical	9.3	Leo	M105
05/15/04	9:30	M108	NGC 3556	11 11.6	+55 40	Galaxy, Spiral Sc	10.0	Ursa Major	M108
05/15/04	9:30	M097	NGC 3587	11 14.9	+55 01	Nebula, Planetary	9.9	Ursa Major	M097
05/15/04	9:30	M065	NGC 3623	11 18.9	+13 06	Galaxy, Spiral Sa	9.3	Leo	M065
05/15/04	9:30	M066	NGC 3627	11 20.3	+13 00	Galaxy, Spiral Sb	8.9	Leo	M066
05/15/04	9:30	M109	NGC 3992	11 57.7	+53 22	Galaxy, Spiral Sbe	9.8	Ursa Major	M109
05/15/04	9:30	M098	NGC 4192	12 13.8	+14 54	Galaxy, Spiral Sb	10.1	Coma Berenices	M098
05/15/04	9:30	M099	NGC 4254	12 18.8	+14 25	Galaxy, Spiral Sc	9.9	Coma Berenices	M099
05/15/04	9:30	M106	NGC 4258	12 19.0	+47 18	Galaxy, Spiral Sb	8.4	Canes Venatici	M106
05/15/04	9:30	M061	NGC 4303	12 21.9	+04 28	Galaxy, Spiral Sc	9.7	Virgo	M061
05/15/04	9:30	M040	WNC 4	12 22.2	+58 06	Double Star	9.3	Ursa Major	M040
05/15/04	9:30	M100	NGC 4321	12 22.9	+15 49	Galaxy, Spiral Sc	9.3	Coma Berenices	M100
05/15/04	9:30	M084	NGC 4374	12 25.1	+12 53	Galaxy, Elliptical	9.1	Virgo	M084
05/15/04	9:30	M085	NGC 4382	12 25.4	+18 11	Galaxy, Spiral SO	9.1	Coma Berenices	M085
05/15/04	9:30	M086	NGC 4406	12 26.2	+12 57	Galaxy, Elliptical	8.9	Virgo	M086
05/15/04	9:30	M049	NGC 4472	12 29.8	+08 00	Galaxy, Elliptical	8.4	Virgo	M049
05/15/04	9:30	M087	NGC 4486	12 30.8	+12 23	Galaxy, Elliptical/Pec.	8.6	Virgo	M087
05/15/04	9:30	M088	NGC 4501	12 32.0	+14 25	Galaxy, Spiral Sb	9.7	Coma Berenices	M088
05/15/04	9:30	M091	NGC 4548	12 35.4	+14 30	Galaxy, Spiral SBb	10.7	Coma Berenices	M091
05/15/04	9:30	M089	NGC 4552	12 35.7	+12 33	Galaxy, Elliptical/Pec.	9.8	Virgo	M089
05/15/04	9:30	M090	NGC 4569	12 36.8	+13 10	Galaxy, Spiral Sb	9.5	Virgo	M090
05/15/04	9:30	M058	NGC 4579	12 37.7	+11 49	Galaxy, Spiral Sb	9.7	Virgo	M058
05/15/04	9:30	M068	NGC 4590	12 39.5	-26 45	Cluster, Globular	7.7	Hydra	M068
05/15/04	9:30	M104	NGC 4594	12 40.0	-11 42	Galaxy, Spiral Sa	8.0	Virgo	M104
05/15/04	9:30	M059	NGC 4621	12 42.0	+11 39	Galaxy, Elliptical	9.6	Virgo	M059
05/15/04	9:30	M060	NGC 4649	12 43.7	+11 33	Galaxy, Elliptical	8.8	Virgo	M060
05/15/04	9:30	M094	NGC 4736	12 50.9	+41 07	Galaxy, Spiral Sb	8.2	Canes Venatici	M094
05/15/04	9:30	M064	NGC 4826	12 56.7	+21 41	Galaxy, Spiral Sb	8.5	Coma Berenices	M064
05/15/04	9:30	M053	NGC 5024	13 12.9	+18 10	Cluster, Globular	7.5	Coma Berenices	M053
05/15/04	9:30	M063	NGC 5055	13 15.8	+42 02	Galaxy, Spiral Sb	8.6	Canes Venatici	M063
05/15/04	9:30	M051	NGC 5194	13 29.9	+47 12	Galaxy, Spiral Sc	8.4	Canes Venatici	M051

## CAA - Yearlong Messier Marathon

Time represents 1 hour after sunset (*maximum darkness*). M-objects are approximately +/- 15 degrees off the meridian. **Red lettered objects** are circumpolar (*never set*).

Month	Time	Object	Catalog Number	R. A. hh mm.m	Dec Deg Min	Object Classification	Mag.	Constellation	Object
05/15/04	9:30	M083	NGC 5236	13 37.7	-29 52	Galaxy, Spiral Sc	7.6	Hydra	M083
05/15/04	9:30	M003	NGC 5272	13 42.2	+28 23	Cluster, Globular	5.9	Canes Venatici	M003
06/15/04	11:00	M101	NGC 5457	14 03.5	+54 21	Galaxy, Spiral Sc	7.9	Ursa Major	M101
06/15/04	11:00	M102	NGC 5866	15 06.5	+55 46	Galaxy, Elliptical	9.9	Ursa Major	M102
06/15/04	11:00	M005	NGC 5904	15 18.5	+02 05	Cluster, Globular	5.7	Serpans Cabut	M005
06/15/04	11:00	M080	NGC 6093	16 14.1	-22 59	Cluster, Globular	7.3	Scorpius	M080
06/15/04	11:00	M004	NGC 6121	16 23.6	-26 31	Cluster, Globular	5.9	Scorpius	M004
06/15/04	11:00	M107	NGC 6171	16 32.5	-13 03	Cluster, Globular	8.1	Ophiuchus	M107
06/15/04	11:00	M013	NGC 6205	16 41.7	+36 28	Cluster, Globular	5.7	Hercules	M013
06/15/04	11:00	M012	NGC 6218	16 47.2	-01 57	Cluster, Globular	6.8	Ophiuchus	M012
06/15/04	11:00	M010	NGC 6254	16 57.2	-04 06	Cluster, Globular	6.6	Ophiuchus	M010
06/15/04	11:00	M062	NGC 6266	17 01.2	-30 07	Cluster, Globular	6.7	Ophiuchus	M062
06/15/04	11:00	M019	NGC 6273	17 02.6	-26 16	Cluster, Globular	6.0	Ophiuchus	M019
06/15/04	11:00	M092	NGC 6341	17 17.1	+43 08	Cluster, Globular	6.4	Sagitta	M092
06/15/04	11:00	M009	NGC 6333	17 19.2	-18 31	Cluster, Globular	7.6	Sagittarius	M009
06/15/04	11:00	M014	NGC 6402	17 37.6	-03 15	Cluster, Globular	7.6	Ophiuchus	M014
07/15/04	11:00	M006	NGC 6405	17 40.0	-32 12	Cluster, Open	4.2	Scorpius	M006
07/15/04	11:00	M007	NGC 6475	17 54.0	-34 49	Cluster, Open	3.3	Scorpius	M007
07/15/04	11:00	M023	NGC 6494	17 56.9	-19 01	Cluster, Open/Nebula	5.5	Sagittarius	M023
07/15/04	11:00	M020	NGC 6514	18 02.4	-23 02	Cluster, Open/Nebula	-	Sagittarius	M020
07/15/04	11:00	M008	NGC 6523	18 03.7	-24 23	Nebula/Cluster, Open	3.6	Scorpius	M008
07/15/04	11:00	M021	NGC 6531	18 04.7	-22 30	Cluster, Open/Nebula	5.9	Sagittarius	M021
07/15/04	11:00	M024	M 24	18 18.4	-18 25	Milky Way Patch	-	Sagittarius	M024
07/15/04	11:00	M016	NGC 6611	18 18.9	-13 47	Cluster, Open/Nebula	6.0	Serpens Cauda	M016
07/15/04	11:00	M018	NGC 6613	18 19.9	-17 08	Cluster, Open/Nebula	6.9	Sagittarius	M018
07/15/04	11:00	M017	NGC 6618	18 20.8	-16 10	Cluster, Open/Nebula	6.0	Sagittarius	M017
07/15/04	11:00	M028	NGC 6626	18 24.6	-24 52	Cluster, Globular	6.8	Sagittarius	M028
07/15/04	11:00	M069	NGC 6637	18 31.4	-32 21	Cluster, Globular	7.6	Sagittarius	M069
07/15/04	11:00	M025	NGC 4725	18 31.7	-19 14	Cluster, Open	4.6	Sagittarius	M025
07/15/04	11:00	M022	NGC 6656	18 36.4	-23 54	Cluster, Globular	5.1	Sagittarius	M022
08/15/04	10:00	M070	NGC 6681	18 43.2	-32 17	Cluster, Globular	8.0	Sagittarius	M070
08/15/04	10:00	M026	NGC 6694	18 45.2	-09 24	Cluster, Open	8.0	Scutum	M026
08/15/04	10:00	M011	NGC 6705	18 51.1	-06 16	Cluster, Open	5.8	Scutum	M011
08/15/04	10:00	M057	NGC 6720	18 53.6	+33 02	Nebula, Planetary	8.8	Lyra	M057
08/15/04	10:00	M054	NGC 6809	18 55.1	-30 29	Galaxy, Nucleus	7.6	Sagittarius	M054
08/15/04	10:00	M056	NGC 6779	19 16.6	+30 11	Cluster, Globular	8.3	Lyra	M056
08/15/04	10:00	M055	NGC 6809	19 40.0	-30 57	Cluster, Globular	6.4	Sagittarius	M055
08/15/04	10:00	M071	NGC 6838	19 53.7	+18 47	Cluster, Globular	8.3		M071
08/15/04	10:00	M027	NGC 6853	19 59.6	+22 43	Nebula, Planetary	7.3	Vulpecula	M027
09/15/04	9:00	M075	NGC 6864	20 06.1	-21 55	Cluster, Globular	8.5	Sagittarius	M075
09/15/04	9:00	M029	NGC 6913	20 24.0	+38 31	Cluster, Open	6.6	Cygnus	M029
09/15/04	9:00	M072	NGC 6981	20 53.5	-12 32	Cluster, Globular	9.3	Aquarius	M072
09/15/04	9:00	M073	NGC 6994	20 59.0	-12 38	Star-Group of 4	8.9	Aquarius	M073
10/15/04	8:15	M015	NGC 7078	21 30.6	+12 10	Cluster, Globular	6.0	Pegasus	M015
10/15/04	8:15	M039	NGC 7092	21 32.3	+48 26	Cluster, Open	4.6	Cygnus	M039
10/15/04	8:15	M002	NGC 7089	21 33.5	-00 49	Cluster, Globular	6.4	Aquarius	M002
10/15/04	8:15	M052	NGC 7654	23 24.2	+61 36	Cluster, Open	6.9	Cassiopeia	M052
11/15/04	7:00	M030	NGC 7099	24 40.4	-23 11	Cluster, Globular	7.3	Capricornus	M030
12/15/04	6:30	M032	NGC 221	00 42.7	+40 52	Galaxy, Elliptical	8.0	Andromeda	M032
12/15/04	6:30	M031	NGC 224	00 42.7	+41 16	Galaxy, Spiral Sb	4.4	Andromeda	M031
12/15/04	6:30	M110	NGC 205	00 42.7	+41 41	Galaxy, Elliptical	8.8	Andromeda	M110
12/15/04	6:30	M103	NGC 581	01 33.1	+60 42	Cluster, Open	7.0	Cassiopeia	M103
12/15/04	6:30	M033	NGC 598	01 33.8	+30 39	Galaxy, Spiral Sc	6.3	Triangulum	M033
12/15/04	6:30	M074	NGC 628	01 36.7	+15 47	Galaxy, Spiral Sc	8.9	Pisces	M074