

Messier Marathon *Observer's Checklist*

Observer:

√ ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
ID	RA	DEC	CON	TYPE	MAG	SIZE	NAME	NOTES
√ 1.001	00h 40m 22s	41° 41' 07"	And	GXY	8.9	19.5x11.5	M110	Hour 1 (Dusk to 8:00 PM) NGC205 ; Satellite Of M31 vB, vL, mE 165deg , vgvmbM
√ 1.002	00h 42m 42s	40° 51' 54"	And	GXY	9.1	8.5x6.5	M32	Hour 1 (Dusk to 8:00 PM) NGC221; Satellite Of M31 ! vVB, L, R, psmbMN
√ 1.003	00h 42m 44s	41° 16' 08"	And	GXY	4.3	189.1x61.7	M31	Hour 1 (Dusk to 8:00 PM) NGC224; Andromeda Galaxy !!! eeB, eL, vmE
√ 1.004	01h 33m 23s	60° 39' 00"	Cas	OCL	7	6	M103	Hour 1 (Dusk to 8:00 PM) NGC581 Cl, pL, B, R, Ri, st 10...11
√ 1.005	01h 33m 51s	30° 39' 37"	Tri	GXY	6.2	68.7x41.6	M33	Hour 1 (Dusk to 8:00 PM) NGC598; Triangulum Galaxy ! eB, eL, R, vgbMN
√ 1.006	01h 36m 42s	15° 47' 01"	Psc	GXY	9.8	10x9.4	M74	Hour 1 (Dusk to 8:00 PM) NGC628; The Phantom glob. cl. , F, vL, R, vg, psmbM, rr
√ 1.007	01h 42m 18s	51° 34' 15"	Per	PNE	12	4.8	M76	Hour 1 (Dusk to 8:00 PM) NGC650; Little Dumbbell Nebula vB, p of Dneb
√ 1.008	02h 42m 05s	42° 45' 42"	Per	OCL	6	35	M34	Hour 1 (Dusk to 8:00 PM) NGC1039; Spiral Cluster
√ 1.009	02h 42m 41s	00° 00' 48"	Cet	GXY	9.7	7.3x6.3	M77	Hour 1 (Dusk to 8:00 PM) NGC1068; Cetus A
√ 1.010	03h 47m 30s	24° 07' 00"	Tau	OCL	1.6	120	M45	Hour 1 (Dusk to 8:00 PM) Pleiades, Seven Sisters
√ 1.011	05h 24m 11s	-24° 31' 29"	Lep	GCL	8.5	8.7	M79	Hour 1 (Dusk to 8:00 PM) NGC1904 glob. cl. , pL, eRi, eC, rrr
√ 2.012	05h 28m 40s	35° 50' 54"	Aur	OCL	7	21	M38	Hour 2 (8:00 to 9:00 PM) NGC1912; Starfish Cluster Cl, B, vL, vRi, iF, st L & S
√ 2.013	05h 34m 32s	22° 00' 52"	Tau	PNE	8.4	6x4	M1	Hour 2 (8:00 to 9:00 PM) NGC1952; Crab Nebula vB, vL, E 135deg +/- , vglbM, r
√ 2.014	05h 35m 16s	-05° 23' 25"	Ori	OCL + DNE	4	66	M42	Hour 2 (8:00 to 9:00 PM) NGC1976; Great Orion Nebula !!! theta1 Ori and the great neb
√ 2.015	05h 35m 31s	-05° 16' 03"	Ori	DNE	9	20	M43	Hour 2 (8:00 to 9:00 PM) NGC1982; De Mairan's Nebula ! vB, vL, R with tail, mbM *8-9
√ 2.016	05h 36m 18s	34° 08' 24"	Aur	OCL	6.5	12	M36	Hour 2 (8:00 to 9:00 PM) NGC1960; Pinwheel Cluster Cl, B, vL, vRi, IC, st 9...11 sc
√ 2.017	05h 46m 45s	00° 04' 48"	Ori	DNE	8	8	M78	Hour 2 (8:00 to 9:00 PM) NGC2068

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√ 2.018	05h 52m 18s	32° 33' 12"	Aur	OCL	6	24	M37	Hour 2 (8:00 to 9:00 PM) NGC2099; Salt-and-pepper Cluster
√ 2.019	06h 09m 00s	24° 21' 00"	Gem	OCL	5.5	28	M35	Hour 2 (8:00 to 9:00 PM) NGC2168
√ 2.020	06h 46m 01s	-20° 45' 24"	CMa	OCL	5	38	M41	Hour 2 (8:00 to 9:00 PM) NGC2287; Little Beehive
√ 2.021	07h 02m 42s	-08° 22' 60"	Mon	OCL	7	16	M50	Hour 2 (8:00 to 9:00 PM) NGC2323; Heart-shaped Cluster
√ 2.022	07h 36m 35s	-14° 29' 00"	Pup	OCL	4.5	30	M47	Hour 2 (8:00 to 9:00 PM) NGC2422
√ 3.023	07h 41m 46s	-14° 48' 36"	Pup	OCL	6.5	27	M46	Hour 3 (9:00 to 10:00 PM) NGC2437
√ 3.024	07h 44m 30s	-23° 51' 24"	Pup	OCL	6.5	22	M93	Hour 3 (9:00 to 10:00 PM) NGC2447
√ 3.025	08h 13m 43s	-05° 45' 00"	Hya	OCL	5.5	54	M48	Hour 3 (9:00 to 10:00 PM) NGC2548
√ 3.026	08h 40m 24s	19° 39' 60"	Cnc	OCL	4	95	M44	Hour 3 (9:00 to 10:00 PM) NGC2632; Beehive Cluster
√ 3.027	08h 51m 18s	11° 48' 00"	Cnc	OCL	7.5	30	M67	Hour 3 (9:00 to 10:00 PM) NGC2682; King Cobra
√ 3.028	09h 55m 33s	69° 03' 56"	UMa	GXY	7.8	24.9x11.5	M81	Hour 3 (9:00 to 10:00 PM) NGC3031; Bode's Galaxy
√ 3.029	09h 55m 53s	69° 40' 50"	UMa	GXY	9.2	10.5x5.1	M82	Hour 3 (9:00 to 10:00 PM) NGC3034; Cigar Galaxy
√ 3.030	10h 43m 58s	11° 42' 13"	Leo	GXY	10.6	7.3x4.4	M95	Hour 3 (9:00 to 10:00 PM) NGC3351, UGC5850
√ 3.031	10h 46m 46s	11° 49' 12"	Leo	GXY	10.1	7.8x5.2	M96	Hour 3 (9:00 to 10:00 PM) NGC3368, UGC5882
√ 3.032	10h 47m 50s	12° 34' 55"	Leo	GXY	10.5	5.3x4.8	M105	Hour 3 (9:00 to 10:00 PM) NGC3379, UGC5902
√ 3.033	11h 11m 31s	55° 40' 26"	UMa	GXY	10.6	8.6x2.4	M108	Hour 3 (9:00 to 10:00 PM) NGC3556, UGC6225
√ 4.034	11h 14m 48s	55° 01' 08"	UMa	PNE	12	3.2	M97	Hour 4 (10:00 to 11:00 PM) NGC3587; Owl Nebula
√ 4.035	11h 18m 56s	13° 05' 31"	Leo	GXY	10.1	9x2.3	M65	Hour 4 (10:00 to 11:00 PM) NGC3623; Leo Triplet
√ 4.036	11h 20m 15s	12° 59' 26"	Leo	GXY	9.7	9.1x4.1	M66	Hour 4 (10:00 to 11:00 PM) NGC3627; Leo Triplet
√ 4.037	11h 57m 36s	53° 22' 29"	UMa	GXY	10.6	7.5x4.4	M109	Hour 4 (10:00 to 11:00 PM) NGC3992, UGC6937
√ 4.038	12h 13m 48s	14° 54' 01"	Com	GXY	10.9	9.4x2.3	M98	Hour 4 (10:00 to 11:00 PM) NGC4192, UGC7231
√ 4.039	12h 18m 50s	14° 25' 01"	Com	GXY	10.4	5.3x4.6	M99	Hour 4 (10:00 to 11:00 PM) NGC4254; Virgo Cluster

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								NGC4254; Virgo Cluster
√ 4.040	12h 18m 58s	47° 18' 16"	CVn	GXY	9.1	17.4x6.6	M106	Hour 4 (10:00 to 11:00 PM) NGC4258, UGC7353
√ 4.041	12h 21m 55s	04° 28' 23"	Vir	GXY	10.1	6.5x5.9	M61	Hour 4 (10:00 to 11:00 PM) NGC4303; Swelling Spiral
√ 4.042	12h 22m 12s	58° 04' 60"	UMa	DST + AST	8.7	1	M40	Hour 4 (10:00 to 11:00 PM) Winnecke 4
√ 4.043	12h 22m 55s	15° 49' 21"	Com	GXY	10.1	7.5x6.1	M100	Hour 4 (10:00 to 11:00 PM) NGC4321; Mirror of M99
√ 4.044	12h 25m 04s	12° 53' 12"	Vir	GXY	10.2	6.7x6	M84	Hour 4 (10:00 to 11:00 PM) NGC4374, UGC7494
√ 5.045	12h 25m 24s	18° 11' 27"	Com	GXY	10	7.4x5.9	M85	Hour 5 (11:00 PM to 12:00 AM) NGC4382, UGC7508
√ 5.046	12h 26m 12s	12° 56' 46"	Vir	GXY	9.9	9.8x6.3	M86	Hour 5 (11:00 PM to 12:00 AM) NGC4406, UGC7532
√ 5.047	12h 29m 47s	08° 00' 01"	Vir	GXY	9.3	9.8x8.2	M49	Hour 5 (11:00 PM to 12:00 AM) NGC4472, UGC7629
√ 5.048	12h 30m 49s	12° 23' 27"	Vir	GXY	9.6	8.7x6.6	M87	Hour 5 (11:00 PM to 12:00 AM) NGC4486; Smoking Gun
√ 5.049	12h 31m 59s	14° 25' 12"	Com	GXY	10.2	6.8x3.7	M88	Hour 5 (11:00 PM to 12:00 AM) NGC4501, UGC7675
√ 5.050	12h 35m 27s	14° 29' 47"	Com	GXY	10.9	5.2x4.2	M91	Hour 5 (11:00 PM to 12:00 AM) NGC4548; Missing Messier Object
√ 5.051	12h 35m 40s	12° 33' 23"	Vir	GXY	10.9	5.3x4.8	M89	Hour 5 (11:00 PM to 12:00 AM) NGC4552, UGC7760
√ 5.052	12h 36m 50s	13° 09' 48"	Vir	GXY	10.2	9.9x4.4	M90	Hour 5 (11:00 PM to 12:00 AM) NGC4569, UGC7786
√ 5.053	12h 37m 44s	11° 49' 06"	Vir	GXY	10.4	6x4.8	M58	Hour 5 (11:00 PM to 12:00 AM) NGC4579, UGC7796
√ 5.054	12h 39m 28s	-26° 44' 32"	Hya	GCL	9	12	M68	Hour 5 (11:00 PM to 12:00 AM) NGC4590
Marathon BREAK							BREAK	Take a 1-hour break, have a meal, collect your logs, check batteries and get ready for another 5 hours of exciting observing!
√ 6.055	12h 39m 59s	-11° 37' 23"	Vir	GXY	9.2	8.6x4.2	M104	Hour 6 (1:00 to 2:00 AM) NGC4594; Sombrero Galaxy
√ 6.056	12h 42m 02s	11° 38' 48"	Vir	GXY	10.7	5.3x4	M59	Hour 6 (1:00 to 2:00 AM) NGC4621, UGC7858
√ 6.057	12h 43m 40s	11° 33' 08"	Vir	GXY	9.8	7.6x6.2	M60	Hour 6 (1:00 to 2:00 AM) NGC4649, UGC7898
√ 6.058	12h 50m 53s	41° 07' 12"	CVn	GXY	8.9	12.3x10.8	M94	Hour 6 (1:00 to 2:00 AM) NGC4736; Croc's Eye Galaxy
√ 6.059	12h 56m 44s	21° 40' 58"	Com	GXY	9.3	10.3x5	M64	Hour 6 (1:00 to 2:00 AM) NGC4826; Black Eye Galaxy

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								NGC4826; Black Eye Galaxy
√ 6.060	13h 12m 55s	18° 10' 07"	Com	GCL	8.5	12.6	M53	Hour 6 (1:00 to 2:00 AM) NGC5024
√ 6.061	13h 15m 49s	42° 01' 46"	CVn	GXY	9.3	12.6x7.5	M63	Hour 6 (1:00 to 2:00 AM) NGC5055; Sunflower Galaxy
√ 6.062	13h 29m 52s	47° 11' 45"	CVn	GXY	8.9	10.8x6.6	M51	Hour 6 (1:00 to 2:00 AM) NGC5194; Whirlpool Galaxy
√ 6.063	13h 37m 00s	-29° 51' 51"	Hya	GXY	8	13.1x12.2	M83	Hour 6 (1:00 to 2:00 AM) NGC5236; Southern Pinwheel
√ 6.064	13h 42m 11s	28° 22' 35"	CVn	GCL	7	16.2	M3	Hour 6 (1:00 to 2:00 AM) NGC5272
√ 6.065	14h 03m 13s	54° 20' 56"	UMa	GXY	8.2	28.5x28.3	M101	Hour 6 (1:00 to 2:00 AM) NGC5457; Pinwheel Galaxy
√ 7.066	15h 06m 30s	55° 45' 47"	Dra	GXY	10.8	6.5x3.1	M102	Hour 7 (2:00 to 3:00 AM) NGC5866; Spindle Galaxy
√ 7.067	15h 18m 33s	02° 04' 57"	Ser	GCL	7	17.4	M5	Hour 7 (2:00 to 3:00 AM) NGC5904
√ 7.068	16h 17m 03s	-22° 58' 32"	Sco	GCL	8.5	8.9	M80	Hour 7 (2:00 to 3:00 AM) NGC6093
√ 7.069	16h 23m 35s	-26° 31' 35"	Sco	GCL	7.5	26.3	M4	Hour 7 (2:00 to 3:00 AM) NGC6121; Cat's Eye
√ 7.070	16h 32m 32s	-13° 03' 11"	Oph	GCL	10	10	M107	Hour 7 (2:00 to 3:00 AM) NGC6171
√ 7.071	16h 41m 41s	36° 27' 35"	Her	GCL	7	16.6	M13	Hour 7 (2:00 to 3:00 AM) NGC6205; Hercules Cluster
√ 7.072	16h 47m 14s	-01° 56' 52"	Oph	GCL	8	14.5	M12	Hour 7 (2:00 to 3:00 AM) NGC6218; Gumball Globular
√ 7.073	16h 57m 09s	-04° 05' 56"	Oph	GCL	7.5	15.1	M10	Hour 7 (2:00 to 3:00 AM) NGC6254
√ 7.074	17h 01m 13s	-30° 06' 45"	Oph	GCL	8	14.1	M62	Hour 7 (2:00 to 3:00 AM) NGC6266; Flickering Globular
√ 7.075	17h 02m 38s	-26° 16' 04"	Oph	GCL	8.5	13.5	M19	Hour 7 (2:00 to 3:00 AM) NGC6273
√ 7.076	17h 17m 07s	43° 08' 11"	Her	GCL	7.5	11.2	M92	Hour 7 (2:00 to 3:00 AM) NGC6341
√ 8.077	17h 19m 12s	-18° 30' 58"	Oph	GCL	9	9.3	M9	Hour 8 (3:00 to 4:00 AM) NGC6333
√ 8.078	17h 37m 36s	-03° 14' 43"	Oph	GCL	9.5	11.7	M14	Hour 8 (3:00 to 4:00 AM) NGC6402
√ 8.079	17h 40m 20s	-32° 15' 12"	Sco	OCL	4.5	15	M6	Hour 8 (3:00 to 4:00 AM) NGC6405; Butterfly Cluster
√ 8.080	17h 53m 51s	-34° 47' 36"	Sco	OCL	3.5	80	M7	Hour 8 (3:00 to 4:00 AM) NGC6475; Scorpion's Tail

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√ 8.081	17h 57m 04s	-18° 59' 06"	Sgr	OCL	6	27	M23	Hour 8 (3:00 to 4:00 AM) NGC6494
√ 8.082	18h 02m 42s	-22° 58' 18"	Sgr	OCL + DNE	5	29	M20	Hour 8 (3:00 to 4:00 AM) NGC6514; Trifid Nebula
√ 8.083	18h 03m 41s	-24° 22' 48"	Sgr	OCL + DNE	5	90	M8	Hour 8 (3:00 to 4:00 AM) NGC6523; Lagoon Nebula
√ 8.084	18h 04m 13s	-22° 29' 24"	Sgr	OCL	7	13	M21	Hour 8 (3:00 to 4:00 AM) NGC6531
√ 8.085	18h 18m 26s	-18° 24' 24"	Sgr	OCL	4.5	80x35	M24	Hour 8 (3:00 to 4:00 AM) NGC6603; Sagittarius Star Cloud
√ 8.086	18h 18m 48s	-13° 48' 24"	Ser	OCL + DNE	6.5	35	M16	Hour 8 (3:00 to 4:00 AM) NGC6611; Eagle Nebula
√ 8.087	18h 19m 58s	-17° 06' 07"	Sgr	OCL	8	9	M18	Hour 8 (3:00 to 4:00 AM) NGC6613; Black Swan
√ 9.088	18h 20m 47s	-16° 10' 18"	Sgr	OCL + DNE	7	46	M17	Hour 9 (4:00 to 5:00 AM) NGC6618; Omega Nebula
√ 9.089	18h 24m 33s	-24° 52' 07"	Sgr	GCL	8.5	11.2	M28	Hour 9 (4:00 to 5:00 AM) NGC6626
√ 9.090	18h 31m 23s	-32° 20' 51"	Sgr	GCL	9	7.1	M69	Hour 9 (4:00 to 5:00 AM) NGC6637
√ 9.091	18h 31m 42s	-19° 07' 00"	Sgr	OCL	6.5	40	M25	Hour 9 (4:00 to 5:00 AM) IC4725
√ 9.092	18h 36m 24s	-23° 54' 17"	Sgr	GCL	6.5	24	M22	Hour 9 (4:00 to 5:00 AM) NGC6656; Sagittarius Cluster
√ 9.093	18h 43m 12s	-32° 17' 27"	Sgr	GCL	9	7.8	M70	Hour 9 (4:00 to 5:00 AM) NGC6681
√ 9.094	18h 45m 18s	-09° 22' 60"	Sct	OCL	9.5	15	M26	Hour 9 (4:00 to 5:00 AM) NGC6694
√ 9.095	18h 51m 05s	-06° 16' 12"	Sct	OCL	7	14	M11	Hour 9 (4:00 to 5:00 AM) NGC6705; Wild Duck Cluster
√ 9.096	18h 53m 35s	33° 01' 44"	Lyr	PNE	9.5	2.5	M57	Hour 9 (4:00 to 5:00 AM) NGC6720; Ring Nebula
√ 9.097	18h 55m 03s	-30° 28' 47"	Sgr	GCL	8.5	9.1	M54	Hour 9 (4:00 to 5:00 AM) NGC6715
√ 9.098	19h 16m 36s	30° 11' 02"	Lyr	GCL	9.5	7.1	M56	Hour 9 (4:00 to 5:00 AM) NGC6779
√ 10.099	19h 39m 60s	-30° 57' 44"	Sgr	GCL	7	19	M55	Hour 10 (5:00 AM to Dawn) NGC6809
√ 10.100	19h 53m 46s	18° 46' 42"	Sge	GCL	8.5	7.2	M71	Hour 10 (5:00 AM to Dawn) NGC6838
√ 10.101	19h 59m 36s	22° 43' 15"	Vul	PNE	7.5	15.2	M27	Hour 10 (5:00 AM to Dawn) NGC6853; Dumbbell Nebula
√ 10.102	20h 06m 05s	-21° 55' 19"	Sgr	GCL	9.5	6	M75	Hour 10 (5:00 AM to Dawn) NGC6864

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√ 10.103	20h 23m 57s	38° 30' 30"	Cyg	OCL	9	7	M29	Hour 10 (5:00 AM to Dawn) NGC6913; Cooling Tower
√ 10.104	20h 53m 28s	-12° 32' 14"	Aqr	GCL	10	5.9	M72	Hour 10 (5:00 AM to Dawn) NGC6981
√ 10.105	20h 58m 56s	-12° 38' 07"	Aqr	OCL + AST	9	3	M73	Hour 10 (5:00 AM to Dawn) NGC6994
√ 10.106	21h 29m 58s	12° 10' 02"	Peg	GCL	7.5	12.3	M15	Hour 10 (5:00 AM to Dawn) NGC7078; Great Pegasus Cluster !, glob. cl. , vB, vL, iR, vsmbM, rrr, st vS
√ 10.107	21h 31m 42s	48° 25' 00"	Cyg	OCL	5.5	32	M39	Hour 10 (5:00 AM to Dawn) NGC7092 Cl, vL, vP, vIC, st 7...10
√ 10.108	21h 33m 27s	00° 49' 23"	Aqr	GCL	7.5	12.9	M2	Hour 10 (5:00 AM to Dawn) NGC7089 !!, glob. cl. , B, vL, gpmbM, rrr, st eS
√ 10.109	21h 40m 22s	-23° 10' 45"	Cap	GCL	8.5	11	M30	Hour 10 (5:00 AM to Dawn) NGC7099 !, glob. cl. , B, L, IE, gpmbM, st 12...16
√ 10.110	23h 24m 48s	61° 35' 36"	Cas	OCL	8	13	M52	Hour 10 (5:00 AM to Dawn) NGC7654; The Scorpion