Binocular Messier Program – Appendix C

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Appendix C:

Appendix C is for reference purposes, listing all 110 of the Messier objects at the times when they are best observed, and in constellation sequence. So, if you are wondering what is the best time of the year to observe a Messier object, refer to Appendix C. Appendix C tells you which season to observe each object, each object's coordinates, their NGC numbers, the constellation they are located in, and their sizes and magnitudes. Also, Appendix C lists all of the Messier objects in the exact same order as the Astronomical League's Observe manual "Observe: A Guide to the Messier Objects", in case you are using that as an observing aide.

Appendix C – The Messier List

I. The Winter Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
224	0	42.8	41	16	4.5	Gal	And	178′	31
221	0	42.8	40	52	10.0	Gal	And	8′ X 6′	32
205	0	40.4	41	41	10.0	Gal	And	17′ X 10′	110
598	1	33.9	30	40	7.0	Gal	Tri	73′ X 45′	33
7654	23	24.2	61	35	8.0	OCl	Cas	13.0′	52
581	1	33.2	60	42	7.0	OCl	Cas	6.0′	103
1039	2	42.0	42	47	6.0	OCl	Per	35.0′	34

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
650	1	42.4	51	34	12.0	PlN	Per	163″ X 107″	76
1952	5	34.5	22	1	9.0	PlN	Tau	6′ X 4′	1
1432	3	47.0	24	7	1.4	OCl	Tau	110.0′	45
1960	5	36.1	34	8	6.5	OCl	Aur	12.0′	36
2099	5	52.4	32	33	6.0	OCl	Aur	24.0′	37
1912	5	28.7	35	50	7.0	OCl	Aur	21.0′	38
1976	5	35.3	-5	23	5.0	DfN	Ori	85′ X 60′	42
1982	5	35.5	-5	16	7.0	DfN	Ori	20′ X 15′	43

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
2068	5	46.8	0	4	8.0	DfN	Ori	8′ X 6′	78
1904	5	24.5	-24	33	8.5	GCl	Lep	8.7′	79
2168	6	8.9	24	20	5.5	OCl	Gem	28.0′	35
2323	7	3.2	-8	20	7.0	OCl	Mon	16.0′	50
2287	6	47.0	-20	44	5.0	OCl	CMa	38.0′	41
2437	7	41.8	-14	49	6.5	OCl	Pup	27.0′	46
2422	7	36.6	-14	30	4.5	OCl	Pup	30.0′	47
2447	7	44.6	-23	52	6.5	OCl	Pup	22.0′	93

II. The Early Spring Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
2632	8	40.1	19	59	4.0	OCl	Cnc	95.0′	44
2682	8	50.4	11	49	7.5	OCl	Cnc	30.0′	67
2548	8	13.8	-5	48	5.5	OCl	Hya	54.0′	48
3031	9	55.6	69	4	8.5	Gal	UMa	21′ X 10′	81
3034	9	55.9	69	41	9.5	Gal	UMa	9′ X 4′	82
3587	11	14.8	55	1	12.0	PlN	UMa	202″ X 196″	97
3556	11	11.6	55	41	11.0	Gal	UMa	8′ X 1′	108

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
3992	11	57.6	53	23	11.0	Gal	UMa	7′ X 4′	109
5457	14	3.3	54	22	8.5	Gal	UMa	22.0′	101
WIN4	12	20.0	58	22	9.0	Dbl	UMa	49″	40
3623	11	18.9	13	6	10.5	Gal	Leo	8′ X 1.5′	65
3627	11	20.2	13	0	10.0	Gal	Leo	8′ X 2.5′	66
3351	10	43.9	11	42	11.0	Gal	Leo	4.4′ X 3.3′	95
3368	10	46.7	11	49	10.5	Gal	Leo	6′ X 4′	96
3379	10	47.8	12	35	11.0	Gal	Leo	2.0′	105

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
5272	13	42.2	28	23	7.0	GCl	CVn	16.2′	3
5194	13	30.0	47	11	8.0	Gal	CVn	11′ X 7′	51
5055	13	15.8	42	2	8.5	Gal	CVn	10′ X 6′	63
4736	12	50.9	41	8	9.5	Gal	CVn	7′ X 3′	94
4258	12	18.9	47	19	9.5	Gal	CVn	19′ X 8′	106

III. The Late Spring Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
4472	12	29.8	8	1	10.0	Gal	Vir	9′ X 7.5′	49
4579	12	37.8	11	50	11.0	Gal	Vir	5.5′ X 4.5′	58
4621	12	42.1	11	39	11.5	Gal	Vir	5′ X 3.5′	59
4649	12	43.7	11	34	10.5	Gal	Vir	7′ X 6′	60
4374	12	25.1	12	54	11.0	Gal	Vir	5.0′	84
4406	12	26.3	12	57	11.0	Gal	Vir	7.5′ X 5.5′	86
4486	12	30.9	12	24	11.0	Gal	Vir	7.0′	87

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
4552	12	35.7	12	34	11.5	Gal	Vir	4.0′	89
4569	12	36.9	13	10	11.0	Gal	Vir	9.5′ X 4.5′	90
4303	12	22.0	4	29	10.5	Gal	Vir	6′ X 5.5′	61
4594	12	39.9	-11	37	9.5	Gal	Vir	9′ X 4′	104
5024	13	12.9	18	10	8.5	GCl	Com	12.6′	53
4826	12	56.7	21	41	9.0	Gal	Com	9.3′ X 5.4′	64
4382	12	25.5	18	12	10.5	Gal	Com	7.1′ X 5.2′	85
4501	12	32.1	14	26	11.0	Gal	Com	7′ X 4′	88

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
4192	12	13.9	14	55	11.0	Gal	Com	9.5′ X 3.2′	98
4254	12	18.9	14	26	10.5	Gal	Com	5.4′ X 4.8′	99
4321	12	23.0	15	50	10.5	Gal	Com	7′ X 6′	100
4548	12	35.5	14	30	11.5	Gal	Com	5.4′ X 4.4′	91
4590	12	39.5	-26	45	9.0	GCl	Hya	12.0′	68

IV. The Mid-summer Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
5236	13	37.1	-29	52	8.5	Gal	Hya	11′ X 10′	83
5904	15	18.6	2	5	7.0	GCl	Ser	17.4′	5
5866	15	6.5	55	45	10.5	Gal	Dra	5.2′ X 2.3′	102
6205	16	41.7	36	28	7.0	GCl	Her	16.6′	13
6341	17	17.1	43	8	7.5	GCl	Her	11.2′	92
6333	17	19.2	-18	31	9.0	GCl	Oph	9.3′	9
6254	16	57.1	-4	6	7.5	GCl	Oph	15.1′	10

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6218	16	47.2	-1	57	8.0	GCl	Oph	14.5′	12
6402	17	37.6	-3	15	9.5	GCl	Oph	11.7′	14
6273	17	2.6	-26	16	8.5	GCl	Oph	13.5′	19
6266	17	1.2	-30	7	8.0	GCl	Oph	14.1′	62
6171	16	32.5	-13	3	10.0	GCl	Oph	10.0′	107
6121	16	23.6	-26	32	7.5	GCl	Sco	26.3′	4
6093	16	17.0	-22	59	8.5	GCl	Sco	8.9′	80
6405	17	40.1	-32	13	4.5	OCl	Sco	15.0′	6

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6475	17	53.9	-34	49	3.5	OCl	Sco	80.0′	7

V. The Late Summer Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6705	18	51.1	-6	16	7.0	OCl	Sct	14.0′	11
6694	18	45.2	-9	24	9.5	OCl	Sct	15.0′	26
6611	18	18.8	-13	47	6.5	C/N	Ser	7.0′	16
6618	18	20.8	-16	11	7.0	C/N	Sgr	11.0′	17
6613	18	19.9	-17	8	8.0	OCl	Sgr	9.0′	18
6603*	18	18.4	-18	25	11.5	OCl	Sgr	5.0′	24
6514	18	2.3	-23	2	5.0	C/N	Sgr	28.0′	20

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6531	18	4.6	-22	30	7.0	OCl	Sgr	13.0′	21
6523	18	3.1	-24	23	5.0	C/N	Sgr	60′ X 35′	8
6656	18	36.4	-29	54	6.5	GCl	Sgr	24.0′	22
6626	18	24.5	-24	52	8.5	GCl	Sgr	11.2′	28
6494	17	56.8	-19	1	6.0	OCl	Sgr	27.0′	23
4725	18	28.8	-19	17	4.9	OCl	Sgr	40.0′	25
6715	18	55.1	-30	29	8.5	GCl	Sgr	9.1′	54
6809	19	40.0	-30	58	7.0	GCl	Sgr	19.0′	55

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6637	18	34.4	-32	21	9.0	GCl	Sgr	7.1′	69
6681	18	43.2	-32	18	9.0	GCl	Sgr	7.8′	70
6864	20	6.1	-21	55	9.5	GCl	Sgr	6.0′	75

* NGC 6603 is only part of M24.

VI. The Fall and Early Winter Group

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
6779	19	16.6	30	11	9.5	GCl	Lyr	7.1′	56
6720	18	53.6	33	2	9.5	PlN	Lyr	85.6″ X 61.6″	57
6913	20	23.9	38	32	9.0	OCl	Cyg	7.0′	29
7092	21	32.2	48	26	5.5	OCl	Cyg	32.0′	39
6853	19	59.6	22	43	7.5	PlN	Vul	480″ X 340″	27
6838	19	53.8	18	47	8.5	GCl	Sge	7.2′	71
7099	21	40.4	-23	11	8.5	GCl	Cap	11.0′	30

NGC	R.A.		Dec.		Mag.	Typ	Con	Size	Messier
7089	21	33.5	-0	49	7.5	GCl	Aqr	12.9′	2
6981	20	53.5	-12	32	10.0	GCl	Aqr	5.9′	72
6994	20	59.0	-12	38	9.0	OCl	Aqr	2.8′	73
7078	21	30.0	12	10	7.5	GCl	Peg	12.3′	15
628	1	36.6	15	48	10.5	Gal	Psc	10.2′ X 9.5′	74
1068	2	42.7	-0	2	10.5	Gal	Cet	7′ X 6′	77