



VCAS, P.O. Box 982, Simi Valley, CA 93062

WWW.VCAS.ORG

VCAS ALCor INFORMATION

Messier Club / Certificate



Messier Club Logo

Introduction:

Welcome to the Astronomical League's Messier Club. The purpose of the Messier Club is to introduce observers to 110 of the some of the finest star clusters, nebulae, and deep sky objects in the heavens. You don't need a large, expensive telescope to view the objects on this list, a small refractor, Newtonian reflector, or Schmidt-Cassegrain will do just fine.

Rules and Regulations:

The Astronomical League offers special recognition in the form of a Messier Club Certificate for those who have observed most or all of the Messier objects. To qualify you need only be a member of the Astronomical League, either through VCAS or as a Member-at-Large, and observe the following rules:

Rule 1:

Observe 70 Messier objects and keep a record of your observations. Your notes must show:

- Date of observation;
- Time of observation;
- Seeing conditions;
- Aperture size of telescope;
- Power used;
- A short note describing your observation of the object.

Rule 2:

Have your notebook or record examined by the VCAS ALCor or any officer of VCAS. A Certificate of Membership in the Messier Club will be awarded to you at a club meeting.

Rule 3:

When you have observed the balance of the Messier Objects, have your notebook or records examined again, indicating that you have completed the observations of the Messier Catalog. You will receive an **Honorary** membership certificate signed by the current President of the Astronomical League.

Submit your log sheets along with your name, address, and phone number to the VCAS ALCor through VCAS or at :

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Messier Object 31 Andromeda Galaxy

Some Suggested Resources:

Messier Objects—A Beginners Guide,
Astronomical League Press
Machin & Wheatley

The Year-Round Messier Marathon Field Guide,
Willmann-Bell
Pennington

The Observing Guide to the Messier Marathon,
Cambridge University Press
Macholz

Stars & Planets, Peterson Field Guides,
Pasachoff

www.astroleague.org

They have a great online bookstore, log sheets, and pertinent information on the various observing programs. You can order books from Astronomical League Sales at:

<http://www.astroleague.org/al/obsclubs/> or e-mail VCAS ALCor to receive all pertinent info on a single pdf file.

The Sky Software

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
650	1 42.4	51 34	12.0	PIN	Per	163" X 107"	76
1952	5 34.5	22 1	9.0	PIN	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
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	PIN	UMa	202" X 196"	97
3556	11 11.6	55 41	11.0	Gal	UMa	8' X 1'	108
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
WIN 4	12 20.0	58 22	9.0	DbI	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
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
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
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

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
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
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	OCI	Sct	14.0'	11
6694	18 45.2	-9 24	9.5	OCI	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	OCI	Sgr	9.0'	18
6603*	18 18.4	-18 25	11.5	OCI	Sgr	5.0'	24
6514	18 2.3	-23 2	5.0	C/N	Sgr	28.0'	20
6531	18 4.6	-22 30	7.0	OCI	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	GCI	Sgr	24.0'	22
6626	18 24.5	-24 52	8.5	GCI	Sgr	11.2'	28
6494	17 56.8	-19 1	6.0	OCI	Sgr	27.0'	23
IC47 25	18 28.8	-19 17	4.9	OCI	Sgr	40.0'	25
6715	18 55.1	-30 29	8.5	GCI	Sgr	9.1'	54
6809	19 40.0	-30 58	7.0	GCI	Sgr	19.0'	55
6637	18 34.4	-32 21	9.0	GCI	Sgr	7.1'	69
6681	18 43.2	-32 18	9.0	GCI	Sgr	7.8'	70
6864	20 6.1	-21 55	9.5	GCI	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	GCI	Lyr	7.1'	56
6720	18 53.6	33 2	9.5	PIN	Lyr	85.6" X 61.6"	57
6913	20 23.9	38 32	9.0	OCI	Cyg	7.0'	29
7092	21 32.2	48 26	5.5	OCI	Cyg	32.0'	39
6853	19 59.6	22 43	7.5	PIN	Vul	480" X 340"	27
6838	19 53.8	18 47	8.5	GCI	Sge	7.2'	71
7099	21 40.4	-23 11	8.5	GCI	Cap	11.0'	30
7089	21 33.5	-0 49	7.5	GCI	Aqr	12.9'	2
6981	20 53.5	-12 32	10.0	GCI	Aqr	5.9'	72
6994	20 59.0	-12 38	9.0	OCI	Aqr	2.8'	73
7078	21 30.0	12 10	7.5	GCI	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