

## Astronomical League - Binocular Messier's

#	Class	M#	Mag	Common Name	Type	Constellation	Date	Time	Inst.	See	Trans	Observations	S.A.
1	I	M 31	3.4	Andromeda Galaxy	GX	Andromeda	8/21/06	23:50	12x50	8-9	8-9	vB,vL,Oval,Bnuc,HISB,R=E!!	
2	II	M 32	8.1	-	GX	Andromeda	8/21/06	23:50	12x50	8-9	8-9	B,S,Oval,NND,R=F	
3	IV	M 110	8.5	-	GX	Andromeda	8/21/06	23:50	12x50	8-9	8-9	B,L,Oval,UB,NND,R=G	
4	I	M 2	6.5	-	GC	Aquarius	10/31/04	1930	12x50	7-8	7-8	R=F	
5	IV	M 72	9.3	-	GC	Aquarius	10/8/06	20:45	12x50	8-9	8-9	vF,S,R=F	
6	IV	M 73	9.0	-	OC	Aquarius	10/8/06	20:47	12x50	8-9	8-9	F,S,R=F	
7	I	M 36	6.3	-	OC	Auriga	10/2/06	0545	12x50	8-9	8-9	pB,S, R=G, smallest of three	
8	I	M 37	6.2	-	OC	Auriga	10/2/06	0545	12x50	8-9	8-9	pB,L,R=G, largest of three	
9	I	M 38	7.4	-	OC	Auriga	10/2/06	0545	12x50	8-9	8-9	pB,S, R=G	
10	I	M 44	3.7	Beehive Cluster	OC	Cancer	3/8/07	20:25	12x50	8	8	B,L,Rich Cluster,R=G	
11	I	M 67	6.1	-	OC	Cancer	3/8/07	20:27	12x50	8	8	pB,pL,Patchy,R=G	
12	I	M 3	6.2	-	GC	Canes Venatici	3/10/07	22:15	12x50	9	9	F,pS,R=F	
13	II	M 51	8.4	Whirlpool Galaxy	GX	Canes Venatici	1/11/07	0545	12x50	8-9	8-9	vB,pL,Oval,Bnuc,R=G	
14	II	M 63	8.6	Sunflower Galaxy	GX	Canes Venatici	3/10/07	21:40	12x50	9	9	F,fL,Oval,NND,R=G	
15	III	M 94	8.2	-	GX	Canes Venatici	3/8/07	20:35	12x50	8	8	pF,S,R,NND,R=F	
16	III	M 106	8.4	-	GX	Canes Venatici	11/3/06	5:45	12x50	9-10	9-10	pB,pL,Oval,NNC,R=G	
17	I	M 41	4.6	-	OC	Canis Major	3/10/07	21:14	12x50	9	9	vB,vL,NND,R=G, Resolve 12+	
18	II	M 30	7.2	-	GC	Capricornus	8/16/06	23:45	12x50	9-10	9-10	pF,S,R=F	
19	I	M 52	7.3	-	OC	Cassiopeia	8/21/06	22:25	12x50	8-9	8-9	B,L,R=G	
20	I	M 103	7.4	-	OC	Cassiopeia	8/21/06	22:27	12x50	8-9	8-9	pB,pL,R=G	
21	IV	M 77	8.9	-	GX	Cetus	10/29/06	23:15	12x50	9	9	pF,pS,Ova,NND,R=F	
22	II	M 53	7.6	-	GC	Coma Berenices	3/10/07	22:20	12x50	9	9	pB,pL,R=G,Compressed	
23	II	M 64	8.5	Blackeye GX	GX	Coma Berenices	3/10/07	22:25	12x50	9	9	B,pL,Oval,NND,R=G	
24	IV	M 85	9.1	-	GX	Coma Berenices	3/10/07	23:15	12x50	9	9	vF,pS,Oval,NND,AV,R=F	
25	IV	M 88	9.6	-	GX	Coma Berenices	3/10/07	23:45	12x50	9	9	pF,S,Oval,NND,R=F	
26	IV	M 91	10.2	-	GX	Coma Berenices	5/6/07	22:30	12x50	8-9	8-9	vF,S,Oval,NND,R=F	
27	IV	M 98	10.1	-	GX	Coma Berenices	5/6/07	22:30	12x50	8-9	8-9	vF,S,Oval,NND,R=F	
28	IV	M 99	9.9	-	GX	Coma Berenices	5/6/07	22:30	12x50	8-9	8-9	F,S,Oval,NND,R=F	
29	IV	M 100	9.3	-	GX	Coma Berenices	3/10/07	23:15	12x50	9	9	F,S,Oval,NND,R=F	
30	I	M 29	7.1	-	OC	Cygnus	8/16/06	21:47	12x50	9-10	9-10	B,S,R=F	
31	I	M 39	4.6	-	OC	Cygnus	8/16/06	21:47	12x50	9-10	9-10	B,S,R=F	

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32	I	M 35	5.3	-	OC	Gemini	10/2/06	0545	12x50	8-9	8-9	vB,vL,R=E. very nice cluster.	
33	I	M 13	5.8	Hercules Cluster	GC	Hercules	9/7/06	2100	12x50	7-8	7-8	Diff,mB,L,R=G	
34	I	M 92	6.4	-	GC	Hercules	9/7/06	2100	12x50	7-8	7-8	Diff,pF,pS,R=F	
35	III	M 65	9.3	-	GX	Leo	3/10/07	21:16	12x50	9	9	vF,pS,Oval,NND,AV,R=F	
36	III	M 66	8.9	-	GX	Leo	3/10/07	21:16	12x50	9	9	B,pL,Oval,NND,R=G	
37	IV	M 95	9.7	-	GX	Leo	5/6/07	21:35	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
38	IV	M 96	9.2	-	GX	Leo	5/6/07	21:40	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
39	IV	M 105	9.3	-	GX	Leo	5/6/07	21:35	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
40	II	M 56	8.3	-	GC	Lyra	10/8/06	20:45	12x50	8-9	8-9	pB,S,R=G	
41	IV	M 57	8.8	Ring Nebula	PN	Lyra	10/8/06	20:47	12x50	8-9	8-9	F,S,R=F	
42	I	M 50	6.3	-	OC	Monoceros	3/8/07	20:17	12x50	8	8	B,pL,Rich Patch, Resolve 7+ Stars	
43	II	M 9	7.7	-	GC	Ophiuchus	8/16/06	22:25	12x50	9-10	9-10	pF,pS,R=F	
44	I	M 10	6.6	-	GC	Ophiuchus	8/12/06	2216	12x50	9-10	9-10	pF,S,R,R=F	
45	I	M 12	6.7	-	GC	Ophiuchus	8/12/06	2216	12x50	9-10	9-10	pF,S,R,R=F	
46	II	M 14	7.6	-	GC	Ophiuchus	8/16/06	22:30	12x50	9-10	9-10	pF,pS,RF,brighter than 6366	
47	II	M 19	6.8	-	GC	Ophiuchus	8/16/06	22:40	12x50	9-10	9-10	F,S,R=F	
48	II	M 62	6.5	-	GC	Ophiuchus	8/16/06	22:40	12x50	9-10	9-10	B,S,R=F	
49	IV	M 107	7.9	-	GC	Ophiuchus	8/21/06	23:25	12x50	8-9	8-9	vF,pS,AV,R=F	
50	I	M 42	4.0	Orion Nebula	DN	Orion	9/8/06	0500	12x50	7-8	7-8	Dff,mB,pL patch of neb.,R=G	
51	IV	M 43	9.0	de Mairan's Nebula	DN	Orion	9/8/06	0500	12x50	7-8	7-8	Dff,B,Lpatch of neb.,R=G	
52	III	M 78	8.3	-	DN	Orion	10/29/06	23:40	12x50	9	9	F,S,R=F	
53	I	M 15	6.2	-	GC	Pegasus	10/31/04	1900	12x50	7-8	7-8	R=G	
54	I	M 34	5.5	-	OC	Perseus	10/29/06	22:53	12x50	9	9	B,L,R,R=G	
55	IV	M 76	10.1	Little Dumbbell Nebula	PN	Perseus	10/1/06	1200	12x50	9	9	pF,pS,R,R=F	
56	IV	M 74	9.4	-	GX	Pisces	10/29/06	23:00	12x50	9	9	B,cS,Oval,Fnuc,R=G	
57	III	M 71	8.2	-	GC	Sagitta	8/21/06	23:30	12x50	8-9	8-9	F,L,R=F	
58	I	M 8	6.0	Lagoon Nebula	OC w/Neb	Sagittarius	8/12/06	2230	12x50	9-10	9-10	vB,vL,Extended,R=E	
59	I	M 17	7.0	Omega Nebula	OC w/Neb	Sagittarius	8/16/06	21:55	12x50	9-10	9-10	pB,pL,R=F	
60	I	M 18	7.5	-	OC	Sagittarius	8/16/06	21:50	12x50	9-10	9-10	B,L,R=F	
61	IV	M 20	9.0	Trifid Nebula	OC w/Neb	Sagittarius	8/12/06	2230	12x50	9-10	9-10	vB,vL,R=E	
62	IV	M 21	6.5	-	OC	Sagittarius	8/12/06	2230	12x50	9-10	9-10	B,S,R=F	

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63	I	M 22	5.1	-	GC	Sagittarius	8/12/06	2221	12x50	9-10	9-10	pB,pL,R,R=F	
64	I	M 23	6.9	-	OC	Sagittarius	8/16/06	22:10	12x50	9-10	9-10	B,pL,R=G, resolve outer stars	
65	I	M 24	4.6	Sagittarius Star Cloud	OC	Sagittarius	8/16/06	21:45	12x50	9-10	9-10	B,pL,R=G	
66	I	M 25	6.5	-	OC	Sagittarius	8/12/06	2226	12x50	9-10	9-10	B,L,R=G	
67	II	M 28	6.8	-	GC	Sagittarius	8/16/06	22:45	12x50	9-10	9-10	B,S,R=F	
68	II	M 54	7.6	-	GC	Sagittarius	8/16/06	22:45	12x50	9-10	9-10	pF,pS,R=F	
69	I	M 55	6.3	-	GC	Sagittarius	8/16/06	22:12	12x50	9-10	9-10	pF,L,R=F	
70	IV	M 69	7.6	-	GC	Sagittarius	8/21/06	23:12	12x50	8-9	8-9	F,S,R=F	
71	IV	M 70	7.9	-	GC	Sagittarius	8/21/06	23:12	12x50	8-9	8-9	pF,S,R=F	
72	III	M 75	8.5	-	GC	Sagittarius	8/16/06	0:00	12x50	9-10	9-10	pF,S,R=F	
73	I	M 4	5.6	-	GC	Scorpius	8/12/06	2210	12x50	9-10	9-10	pF,vL,R,R=G	
74	I	M 6	5.3	Butterfly Cluster	OC	Scorpius	8/16/06	22:15	12x50	9-10	9-10	vB,vL,R=G	
75	I	M 7	4.1	Ptolemy's Cluster	OC	Scorpius	8/16/06	22:15	12x50	9-10	9-10	vB,eL,R=E	
76	III	M 80	7.3	-	GC	Scorpius	8/21/06	23:05	12x50	8-9	8-9	pF,S,R=F	
77	I	M 11	6.3	Wild Duck Cluster	OC	Scutum	8/12/06	2226	12x50	9-10	9-10	B,L,R=G	
78	II	M 26	8.0	-	OC	Scutum	8/16/06	23:55	12x50	9-10	9-10	pB,L,R=G	
79	I	M 5	5.6	-	GC	Serpens	8/16/06	23:00	12x50	9-10	9-10	B,S,R=G	
80	I	M 16	6.4	Star Queen Nebula	OC w/Neb	Serpens	8/16/06	23:05	12x50	9-10	9-10	pB,pL,R=G	
81	II	M 1	8.4	Crab Nebula	SN	Taurus	10/29/06	23:24	12x50	9	9	F,pS,R,R=F	
82	I	M 45	1.6	Pleiades, Seven Sisters	OC	Taurus	10/1/06	2315	12x50	9	9	vB,vL,R=G	
83	II	M 33	5.7	Triangulum Galaxy	GX	Triangulum	10/31/04	2130	12x50	7-8	7-8	vB,mL,Eon,HSB,R=G	
84	II	M 40	8.4	Double Star WNC4	2-Stars	Ursa Major	8/21/06	22:39	12x50	8-9	8-9	2-Stars	
85	III	M 81	6.9	Bode's Galaxy	GX	Ursa Major	8/21/06	22:55	12x50	8-9	8-9	pB,pL,Oval,Fnuc,HISB,R=G	
86	III	M 82	8.4	Cigar Galaxy	GX	Ursa Major	8/21/06	22:55	12x50	8-9	8-9	pB,L,Oval,Fnuc,R=G	
87	III	M 97	9.9	Owl Nebula	PN	Ursa Major	8/21/06	22:47	12x50	8-9	8-9	pF,vS,AV,R=F	
88	III	M 101	7.9	Pinwheel Galaxy	GX	Ursa Major	8/21/06	22:40	12x50	8-9	8-9	F,S,Oval,NND,R=F	
89	IV	M 108	10.0	-	GX	Ursa Major	8/21/06	22:47	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
90	IV	M 109	9.8	-	GX	Ursa Major	11/3/06	5:45	12x50	9-10	9-10	pB,pL,Oval,NNC,R=G	
91	II	M 49	8.4	-	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pB,pS,Oval,NND,R=G	
92	IV	M 58	9.7	-	GX	Virgo	3/10/07	23:20	12x50	9	9	F,S,R,NND,R=F	
93	IV	M 59	9.6	-	GX	Virgo	3/10/07	23:25	12x50	9	9	B,pS,Oval,fNuc,R=G	

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94	IV	M 60	8.8	-	GX	Virgo	3/10/07	23:15	12x50	9	9	B,pS,R,fNuc,R=G	
95	IV	M 61	9.7	-	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pB,pS,Oval,NND,R=G	
96	IV	M 84	9.1	-	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
97	IV	M 86	8.9	-	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pF,pS,Oval,NND,R=F	
98	IV	M 87	8.6	Virgo A	GX	Virgo	3/10/07	23:35	12x50	9	9	pF,S,Oval,R=F	
99	IV	M 89	9.8	-	GX	Virgo	3/10/07	23:45	12x50	9	9	B,S,R,NND,R=F	
100	IV	M 90	9.5	-	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pB,pS,Oval,NND,R=G	
101	III	M 104	8.0	Sombrero Galaxy	GX	Virgo	5/6/07	22:10	12x50	8-9	8-9	pB,pL,Eon,NND,R=G	
102	I	M 27	7.4	Dumbbell Nebula	PN	Vulpecula	8/12/06	2235	12x50	9-10	9-10	F,S,R,R=F	
1	IV	M 102	9.9	Spindle Galaxy	GX	Draco							13
2	I	M 48	5.5	-	OC	Hydra							12
3	III	M 68	7.8	-	GC	Hydra							21
4	III	M 83	7.6	Southern Pinwheel GX	GX	Hydra							21
5	III	M 79	7.7	-	GC	Lepus							19
6	I	M 46	6.0	-	OC	Puppis							12,19
7	I	M 47	5.2	-	OC	Puppis							12,19
8	I	M 93	6.0	-	OC	Puppis							19

**Class**

- I Easy - 42 Objects**
- II Tough - 18 Objects**
- III Challenge - 16 Objects**
- IV Not Included By Astronomical League**