

Measures of Coma-Virgo

fields of view
resides the
Open Cluster
ae Berenices,
ular double star

Here lies Markarian's Chain

Beware of the Eyes

M54 M90 M89

M59 M58 779 Voyage

4596 4608 4567 4568

M85
4394 X

4450 X

4147, a globular cluster

11 Comae Berenices

M100

6 Comae Berenices

4302 X

M98
M99

Messier's 1781 Voyage

M87

4371 X

4429 X

X 4442

4535

X

XX

4608

4526

M49, Messier's 1771 Voyage

4216 X

Finderscope field of view

Denebola

Omicron Virginis



Observing characteristics of Messier Galaxies

Messier	Dimensions (arc min)	Integrated Magnitude (magnitude)	Surface Brightness (mag./min ²)	Binocular Appearance
M49	8.9 x 7.4	8.4	12.70	Bright, round glow between two 6th mag. stars
M58	5.4 x 4.4	9.8	13	Faint hazy glow 7' east of an 8th mag. star
M59	5.1 x 3.4	9.8	12.6	Rho Virginis 2Y to its southeast
M60	7.2 x 6.2	8.8	12.7	Bright, uniform round glow
M84	5.0 x 4.4	9.3	12.4	Bright, uniform round glow 15' west of M86
M85	7.1 x 5.2	9.2	12.9	Elongated patch 1Y east of 11 Comae Ber.
M86	7.4 x 5.5	9.2	13	Round and brighter than M84
M87	7.2 x 6.8	8.6	12.6	Bright round glow
M88	6.9 x 3.9	9.5	12.8	Elongated smudge 35' southeast of 7th mag. star
M89	4.2 x 4.2	9.8	12.7	Hard to spot small, round glow 1Y east of M87
M90	9.5 x 4.7	9.5	13.4	Elongated smudge 45' southwest of 7th mag. star
M91	5.4 x 4.4	10.2	13.4	Difficult to find faint, round smudge
M98	9.5 x 3.2	10.1	13.5	Difficult to find elongated smudge 30' west of 6 Comae Ber.
M99	5.4 x 4.8	9.8	13.1	Dim, round patch 10' southwest of 6.5 mag. star
M100	6.9 x 6.2	9.4	13.2	Faint, round smudge at center of triangle of 6.5 mag. stars

