



Have you seen these 2 members of the Local Group?



M31's Other Two Companion Galaxies

NGC 147 (Caldwell 17) & NGC 185 (Caldwell 18), Two Dwarf Spheroidal Galaxies

Navigate to NGC 185 then to NGC 147

1. Mid way between M31 and Alpha Cassiopeiae shines 4.5 magnitude Omicron Andromedae.
2. 1° directly west lies NGC 185.
3. NGC 147 is about 1° directly west of NGC 185.

Published Characteristics for NGC 147:

Integrated magnitude: 9.3

Size: 13 min x 8 min

Surface brightness: 14.4 mag./min², 23.3 mag./sec²

Position Angle: 31°

Distance: 2.1 million light-years

Published Characteristics for NGC 185:

Integrated magnitude: 9.2

Size: 12 min x 9 min

Surface brightness: 14.3 mag./min², 23.2 mag./sec²

Position Angle: 51°

Distance: 2.1 million light-years

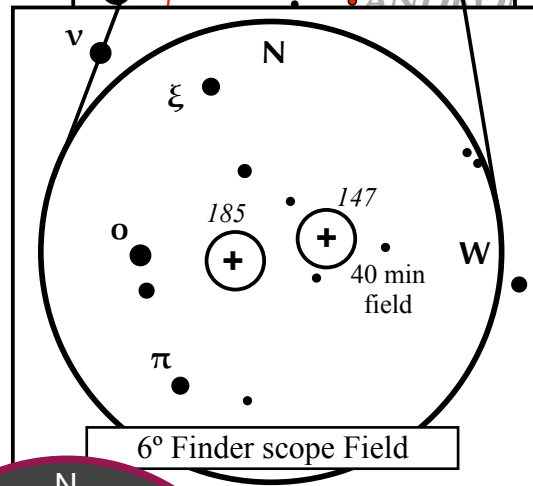
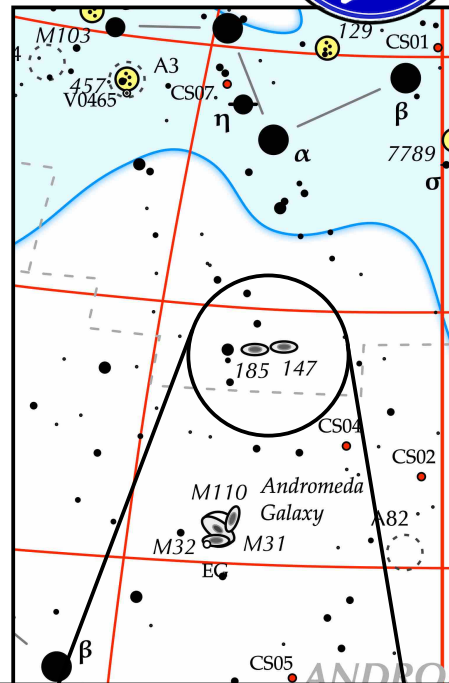
Visual Appearance through an 8-inch aperture:

NGC 147: very faint and large.

NGC 185: large and faint with a small core. Easier to see than 147.

Recommended Aperture:

Not less than 8 inches. The larger, the better.



Dark, transparent skies are a must!

