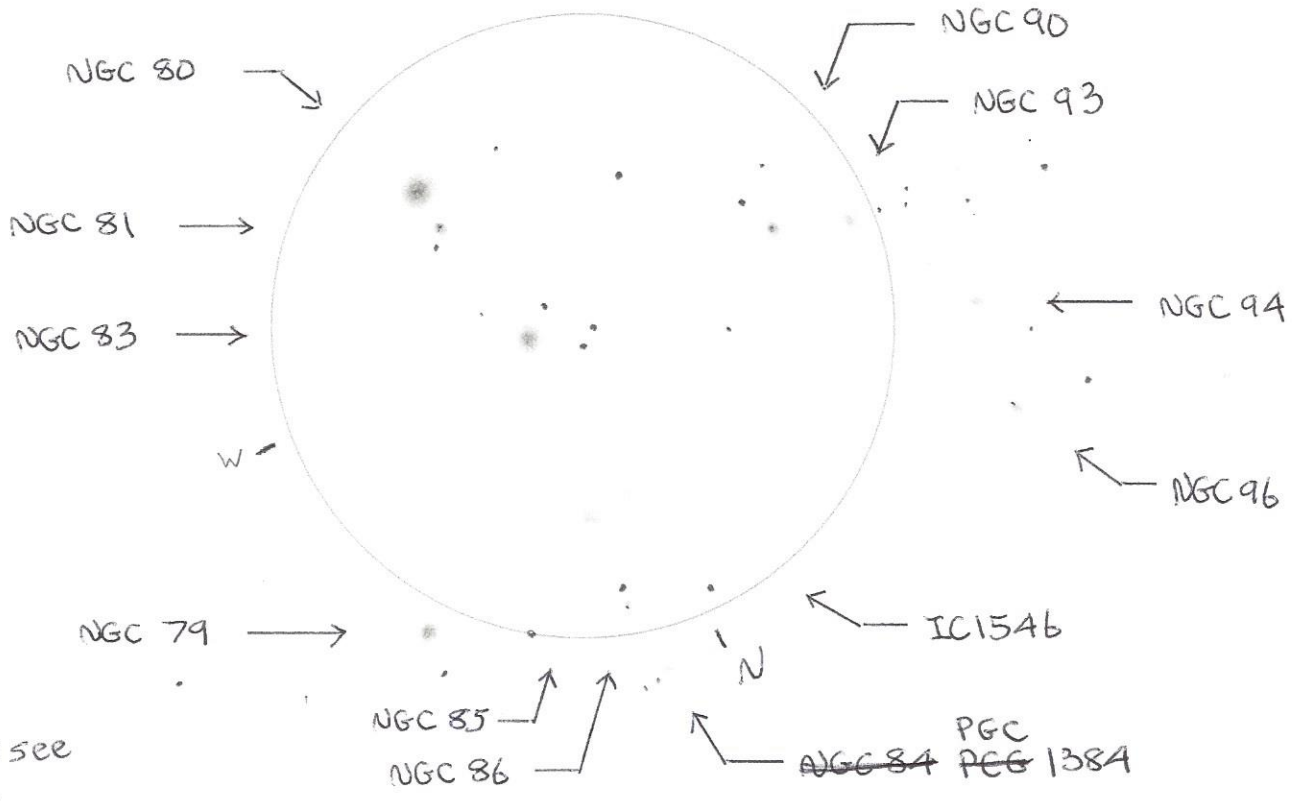


# GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 2 January 2016  
 Time Started: 1845 CST Time Finished: 2039 CST  
 Location: Huntingdon, TN  
 Weather: Cold & clear  
 Transparency (1-5): 4.5 Seeing (1-5): 1.5  
 Faintest Naked Eye Star: -  
 Telescope: 18" Obsession - f/4.5 - f/1.81"  
 Eyepiece: 9mm Televue Nagler Type 6 (87mm)  
 Magnification: 231x FOV: 21.3  
                   294x               16.7

Object ID: GGAC Add'l #4  
                   NGC 80 Group  
 Coordinates: 00 21.2 +22 21  
 Constellation: And  
 Magnitude Range: 13.1 - 15.7  
 Size Estimate: 22'  
 No. of AV Galaxies: 10  
 No. of DV Galaxies: 2



- Description (Pattern? Distribution even or uneven? Galaxies superimposed or signs of interaction? Nuclei, dust PGC lanes, spiral arms? Estimate on AV scale): Fairly compact group of uneven brightnesses.
- ~~PGC 1384~~ ~~NGC 84~~ - AV5 Extremely dim, small round smudge (AKA MCG +4-2-10)
  - NGC 83 - DV Pretty bright, Round. Becomes brighter toward center.
  - NGC 80 - DV Like N83 only larger, Round. Becomes brighter toward center w/ nearly stellar nucleus (dim).
  - NGC 81 - AV3 Dim, very small halo w/ dim stellar nucleus.
  - NGC 85 - AV3 very dim, Round. Brighter than nearby IC 1546. Even brightness.
  - IC 1546 - AV3 " " Elongated WNW/ESE. Even brightness, cloud like.
  - NGC ~~84~~ <sup>86</sup> - AV2 Very small elongated halo w/ dim stellar nucleus
  - NGC 79 - AV2 Small & round. Becomes brighter toward center w/ bright core
  - NGC 90 - AV3 Small, very dim, vaguely round, brighter core (AKA Arp 65)
  - NGC 93 - AV2 slightly elongated NE/SW, Even brightness
  - NGC 94 - AV4 very dim and small. Seems elongated NNE/SSW
  - NGC 96 - AV2 small round spot, nearby star looks like off center stellar nucleus.