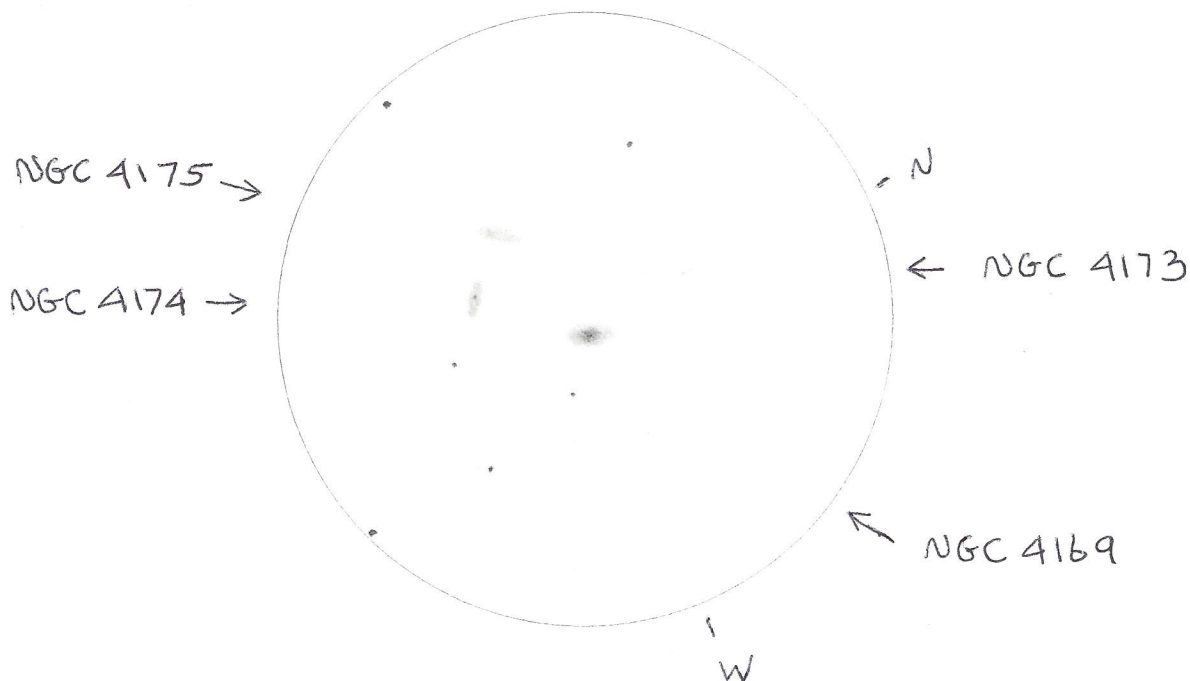


# GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 3 May 2014  
 Time Started: 2200 CDT Time Finished: 2218 CDT  
 Location: Huntingdon, TN  
 Weather: Clear & cool  
 Transparency:(1-5) 4.5 Seeing:(1-5) 2.0  
 Faintest Naked Eye Star: \_\_\_\_\_  
 Telescope: 18" Obsession - f/4.5 - f.l. 81"  
 Eyepiece: 7mm Televue Nagler Type 6  
 Magnification: 294x FOV: 16.7'

Object ID: Hickson 61  
The Box  
 Coordinates: 12 12.3 +29.2  
 Constellation: Com  
 Magnitude Range: 12.6 - 14.1  
 Size Estimate: 6'  
 No. Of AV Galaxies: 2  
 No. Of DV Galaxies: 2



Description (Pattern? Distribution even or uneven? Galaxies superimposed or signs of interaction? Nuclei, dust lanes, spiral arms? Estimate on AV scale): Four fairly bright galaxies forming a rectangle or "Box" shape.

NGC 4169 - DV - Bright, Elongated NW/SE, Brighter core w/ stellar nucleus.

NGC 4174 - DV - Next brightest, Elongated NE/SW w/ stellar nucleus,

NGC 4175 - AV2 - Very elongated SE/NW, Even brightness,

NGC 4173 - AV3 - Very elongated SE/NW. Elusive dim haze,

Reference: Uniform surface brightness. Foreground galaxy 60 million light years away in Virgo cluster, other three galaxies

S&T May 2010 p. 67 about 180 million light years away,