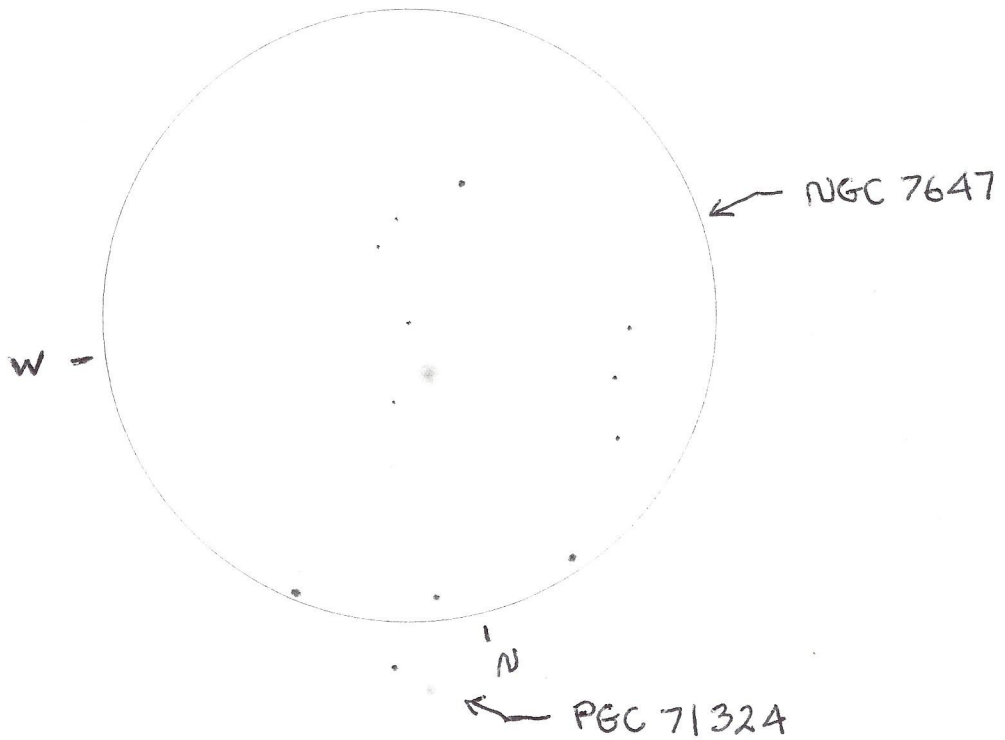


# GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 26 December 2013  
 Time Started: 1845 CST Time Finished: 1920 CST  
 Location: Huntingdon, TN  
 Weather: Clear  
 Transparency:(1-5) 4.5 Seeing:(1-5) 2.0  
 Faintest Naked Eye Star: \_\_\_\_\_  
 Telescope: 18" Obsession - f/4.5 - f.l. 81"  
 Eyepiece: 9mm Televue Nagler Type 6  
 Magnification: 231x FOV: 21.3'

Object ID: GG&C Abell #46  
(Abell 2589)  
 Coordinates: 23 24.0 +16.8  
 Constellation: Peg  
 Magnitude Range: 14.6 →  
 Size Estimate: 12'  
 No. Of AV Galaxies: 2  
 No. Of DV Galaxies: 0



Description (Pattern? Distribution even or uneven? Galaxies superimposed or signs of interaction? Nuclei, dust lanes, spiral arms? Estimate on AV scale):  
 Could only see two out of 15 or so plotted galaxies. Most are dim PGC galaxies.  
 NGC 7647 - By far the brightest of the cluster, AV3. A roundish haze with a slightly brighter core.  
 PGC 71324 - AV4. Small roundish spot.

Reference: