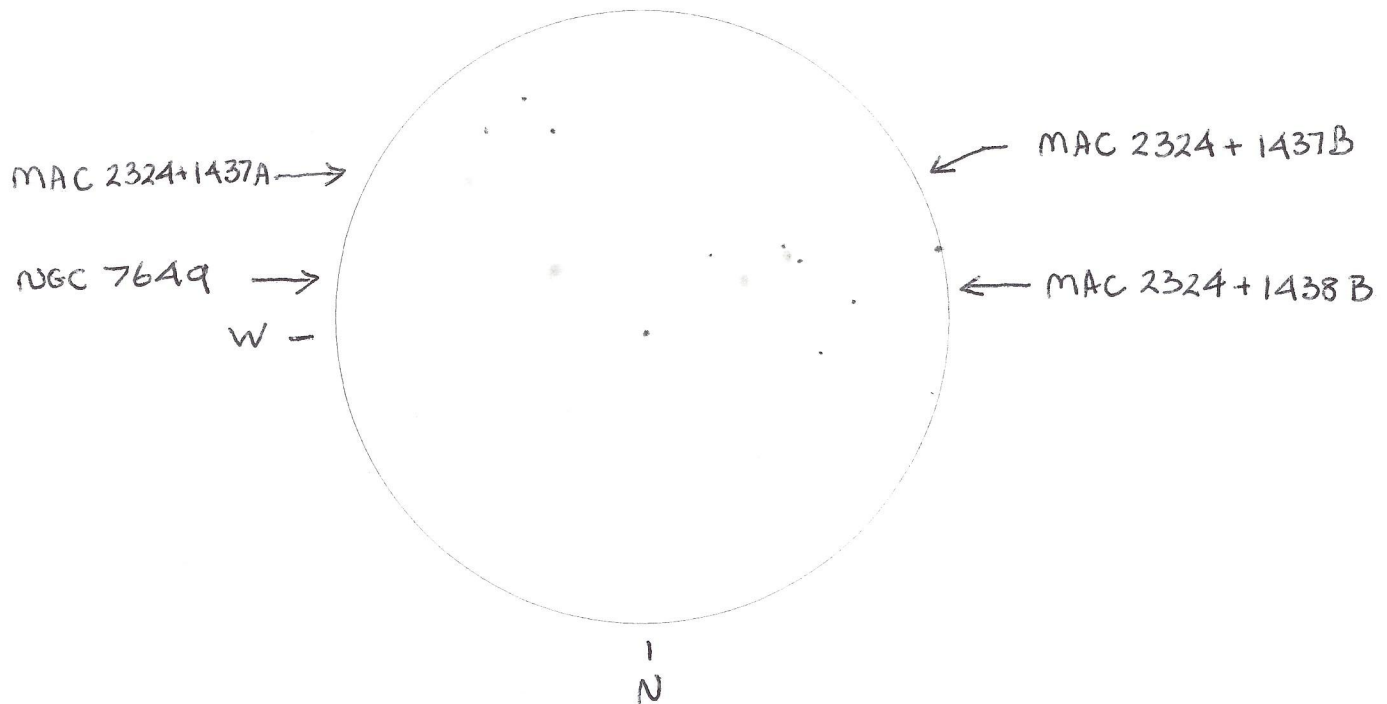


# GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 26 December 2013  
 Time Started: 1930 CST Time Finished: 2000 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 #47  
(Abell 2593)  
 Coordinates: 23 24.5 +14.6  
 Constellation: Peg  
 Magnitude Range: +5.0  
14.5 →  
 Size Estimate: 11'  
 No. Of AV Galaxies: 4  
 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 see four out of thirty-two plotted. Mostly a cluster of dim MAC galaxies.

NGC 7649 - AV2, Roundish, Larger than the rest, Diffuse, Brighter

core.  
MAC 2324+1437B - AV2, Small round smudge between two 14th mag stars.

MAC 2324+1437A - AV3, Small round smudge.

MAC 2324+1438B - AV3, " " "

Reference: