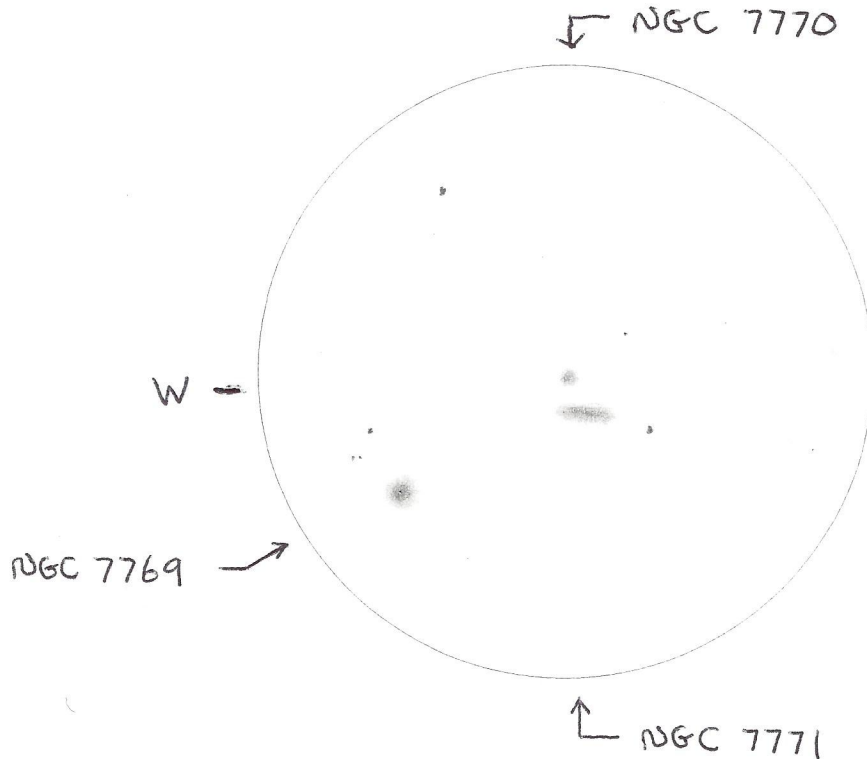


# GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 24 December 2013  
 Time Started: 19:30 Time Finished: 20:01  
 Location: Huntingdon TN  
 Weather: Cold & clear  
 Transparency:(1-5) 4.5 Seeing:(1-5) 2.5  
 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: A.L. Trio #49  
NGC 7769 Group  
 Coordinates: 23 51.2 + 20 08  
 Constellation: Peg  
 Magnitude Range: 12.0 - 13.8  
 Size Estimate: 6'  
 No. Of AV Galaxies: 0  
 No. Of DV Galaxies: 3



Description (Pattern? Distribution even or uneven? Galaxies superimposed or signs of interaction? Nuclei, dust lanes, spiral arms? Estimate on AV scale):

Trio forms a long narrow triangle. NGC 7769 has a dim stellar nucleus,

NGC 7769 - DV - Brightest of the three at mag 12.0. Round, becoming brighter toward the middle w/ dim stellar nucleus.

NGC 7771 - DV - Next brightest. Mag 12.2. Very elongated wsw/ene w/ brighter elongated core.

NGC 7770 - DV - Barely direct vision at mag 13.8. Small and round. Becoming a little brighter toward the center.

Reference: