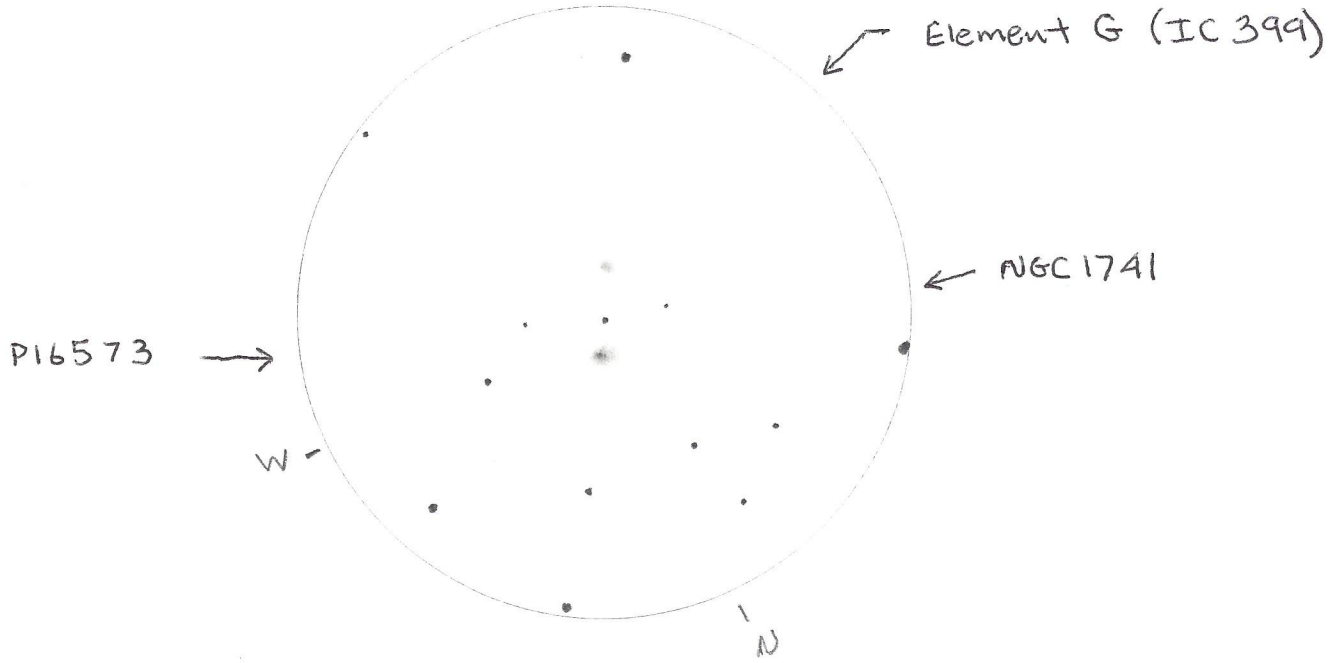
GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 21 February 2014
Time Started: 1911 CST Time Finished: 1932 CST
Location: Huntingdon, TN
Weather: Clear & cold
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: Hickson 31
NGC 1741 Group
Coordinates: 05 01.6 -04.3
Constellation: Eri
Magnitude Range: 12.5 – 17.3

Size Estimate: 3.4'
No. Of AV Galaxies: 3
No. Of DV Galaxies: Ø

~166 million lt. yrs.



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

I could see two of the four listed galaxies, essentially merged together (the two elements a & C or NGC 1741 & P16573).

P16573 - AV1. The brightest element as it contains the central starburst which shows as a bright stellar nucleus.

NGC 1741 - AV3. Visible only as a vague, hazy extension of P16573 to the ENE. (N1741 & P16533 are interacting.)

Element G - AV2. Not listed in the A.L. GG&C booklet but listed by other sources as Element G, a possible member of the group. Roundish, becoming brighter toward the center. (IC 399)

Reference:

Infrared Space observatory observations of Hickson Compact Group 31 with the Central Wolf-Rayet Galaxy NGC 1741