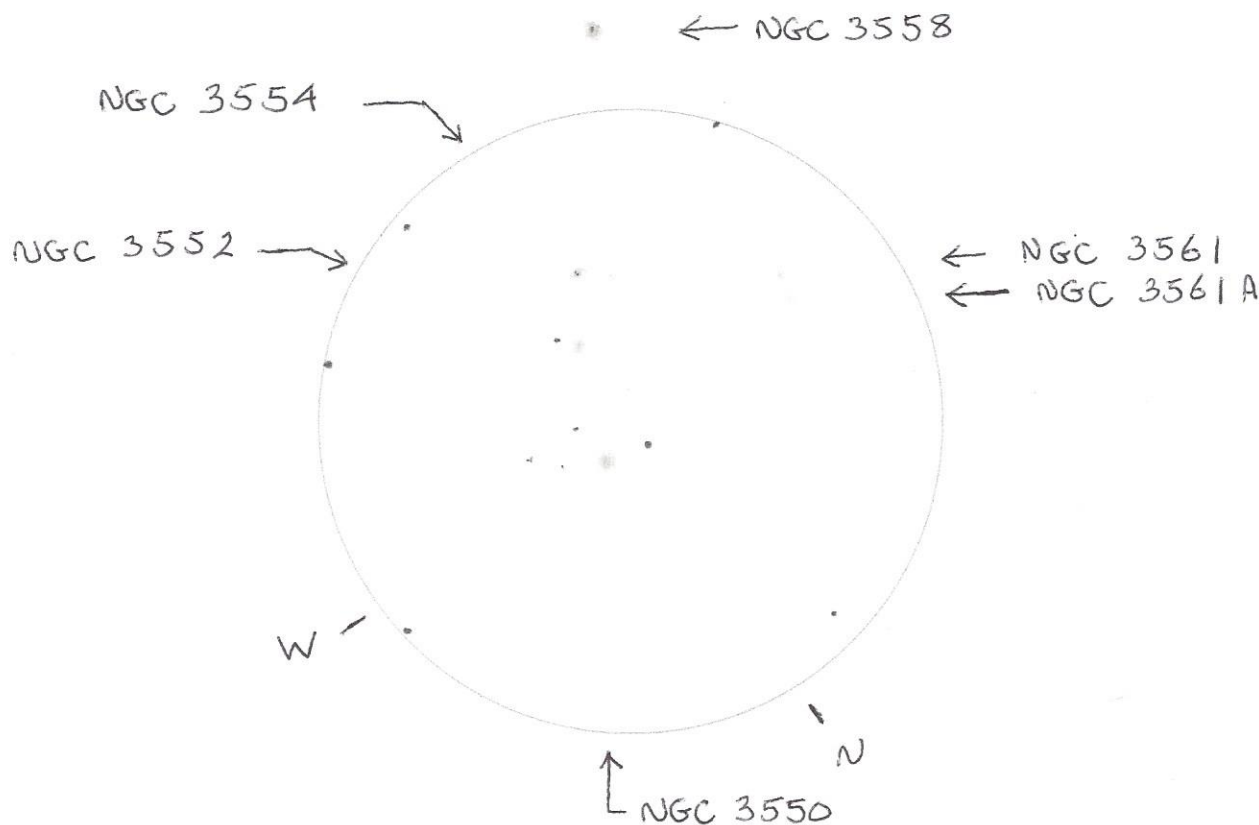


GALAXY GROUPS & CLUSTERS OBSERVATION RECORD

Date: 19 May 2015
 Time Started: 2115 CDT Time Finished: 2200 CDT
 Location: Huntingdon, TN
 Weather: Clear & Cool
 Transparency (1-5): 4.5 Seeing (1-5): 3.0
 Faintest Naked Eye Star: —
 Telescope: 18" Obsession - f/4.5 - f/1.81"
 Eyepiece: 7mm Televue Nagler type 6
 Magnification: 294X FOV: 16.7'

Object ID: GG4C AL Abell #22
Abell 1185 (Leo A cluster)
 Coordinates: 11 10.6 +28.8
 Constellation: UMa
 Magnitude Range: 14.1 - 16.0
 Size Estimate: 13'
 No. of AV Galaxies: 4
 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): A clump of brighter galaxies toward the middle of a large cluster of 82 or more total galaxies. ~43 million ^{distant} light years

- NGC 3550 - DV - Brightest galaxy in cluster and largest. Roundish cloud w/ no stellar nucleus. Fairly even brightness, becoming a little brighter toward the center.
- NGC 3552 - AV2 - Smaller, roundish, no nucleus. Field star just to SW.
- NGC 3554 - AV2 - Stellar nucleus surrounded by small, round halo.
- NGC 3558 - DV - Fairly bright stellar nucleus w/ moderate round halo.
- NGC 3561 - AV3 - Small, round, very dim (but seems brighter than 61A)
- NGC 3561A - AV4 - " " extremely "

Reference: 61A & 61A together are part of Arp 105 (The Guitar). I could not see any other detail of "The Guitar", nor could I see Ambartsumian's Knot. See APOD for 22 November 2005