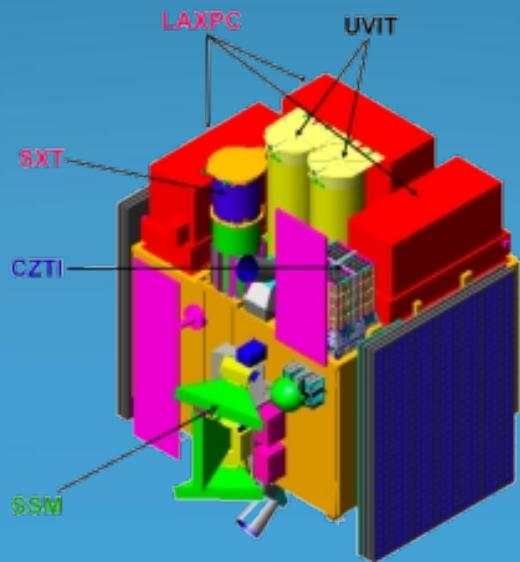
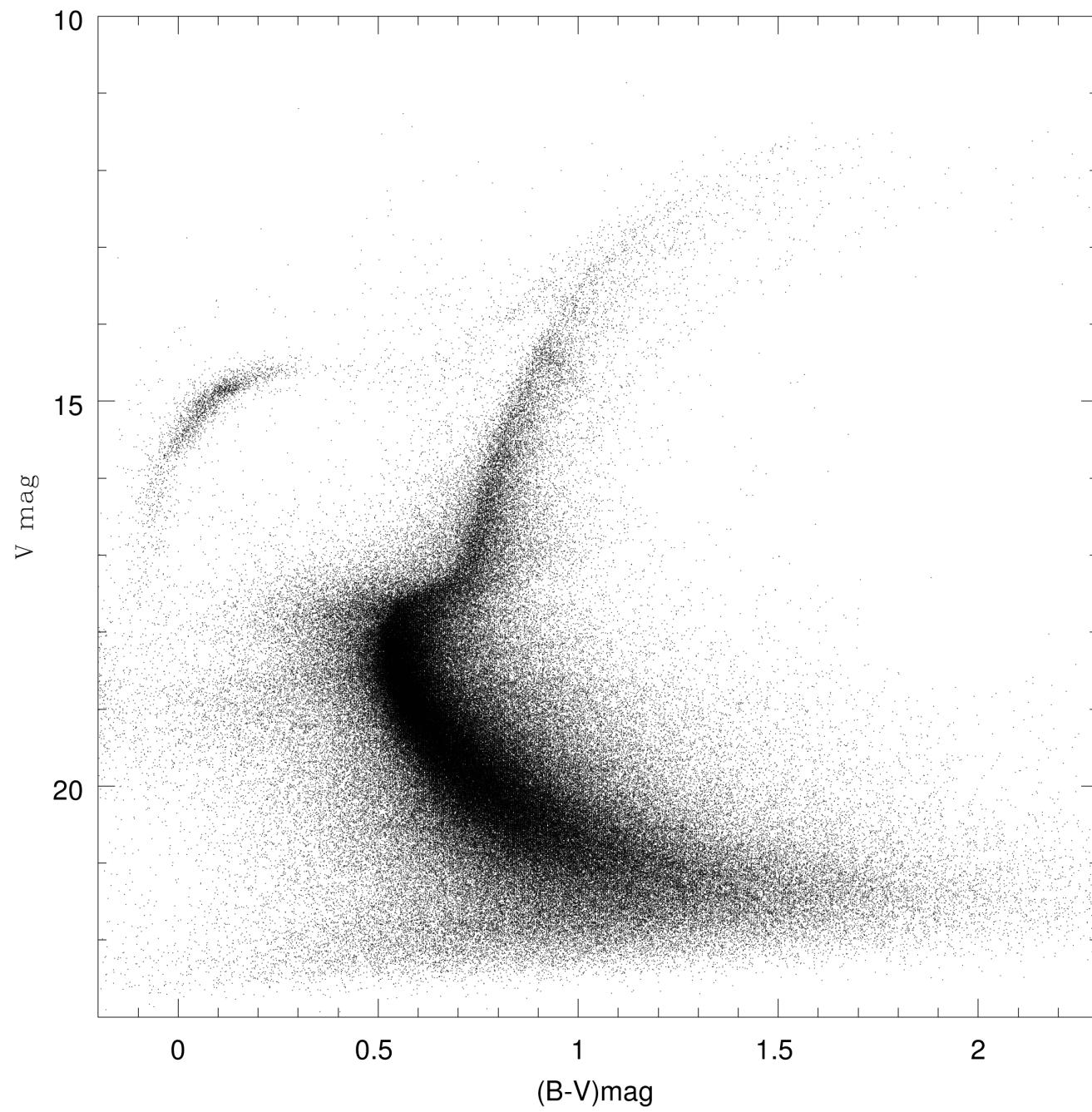


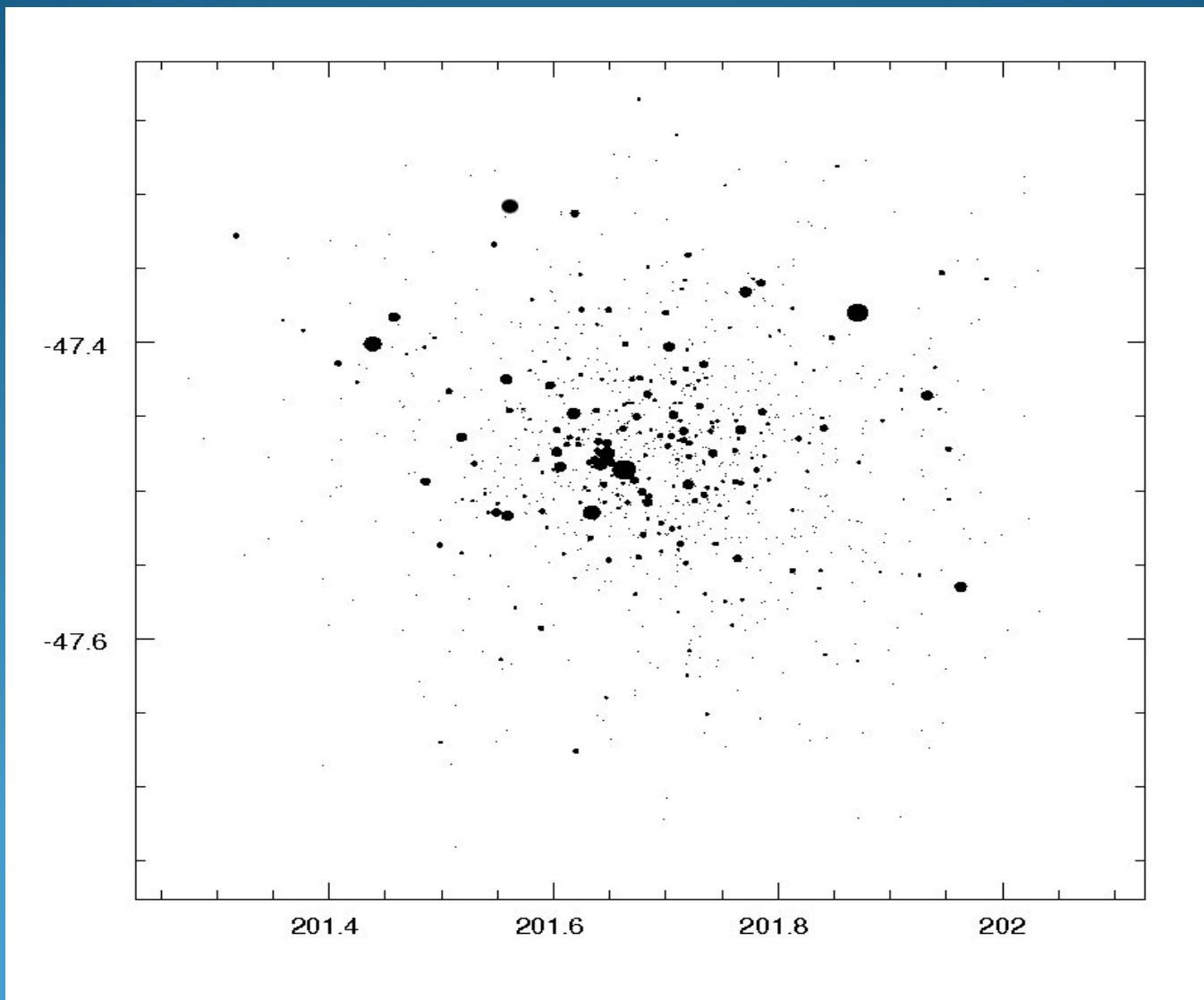
- *Star clusters – open and globular*
- *Annapurni Subramaniam (UVIT group)*
 - $II\mathcal{A}$



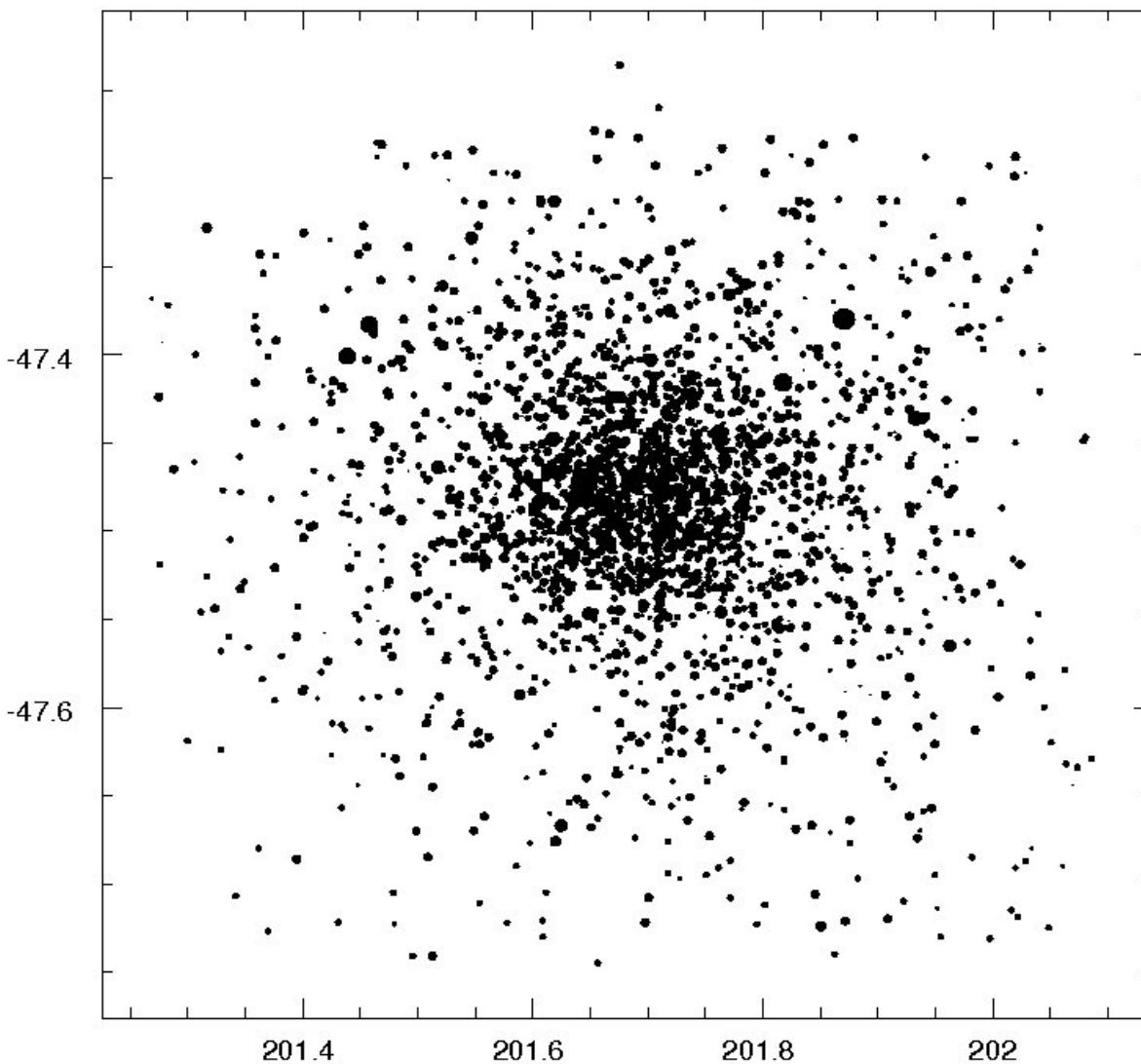
359391 stars



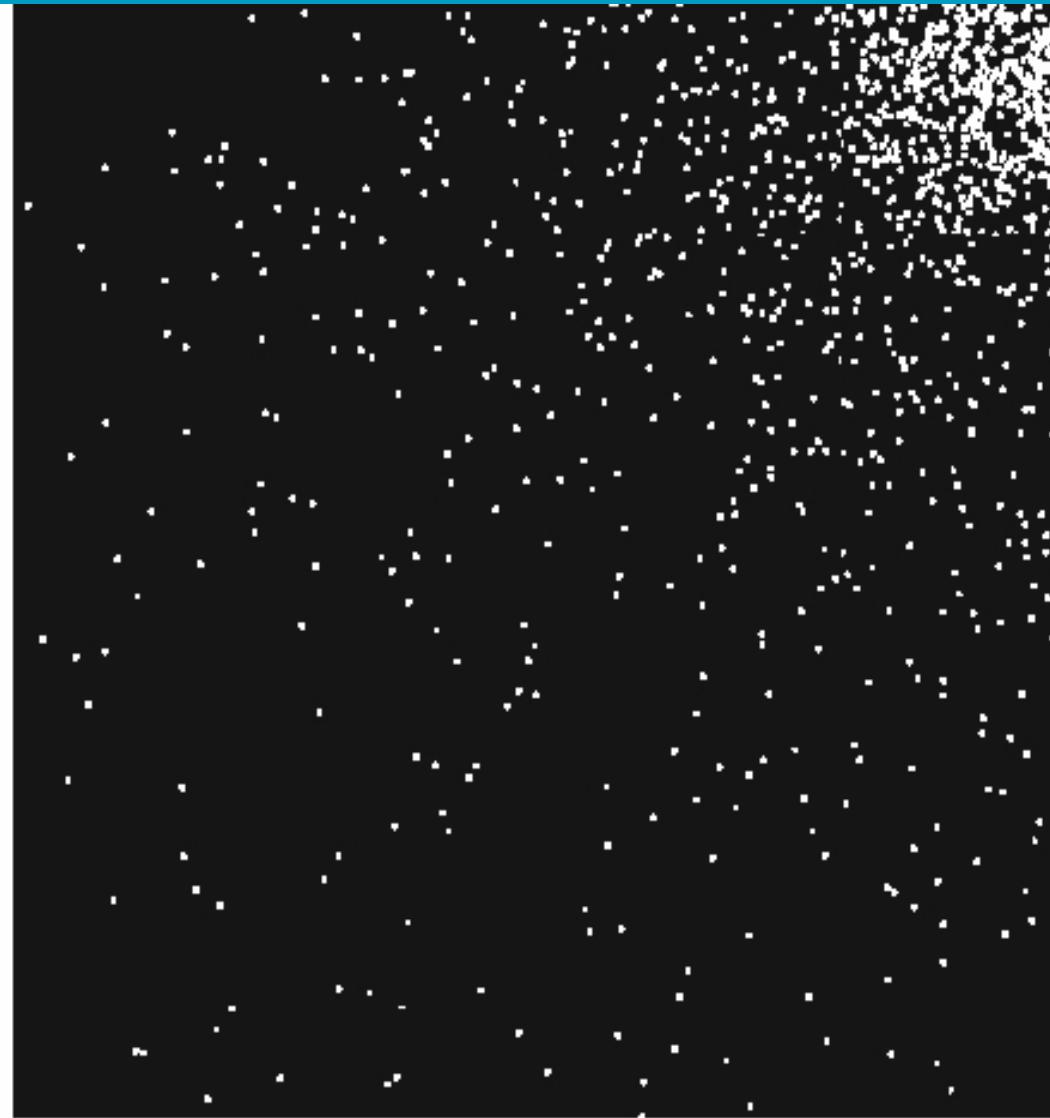
• Omega Centauri in FUV



• Omega Centauri in NUV

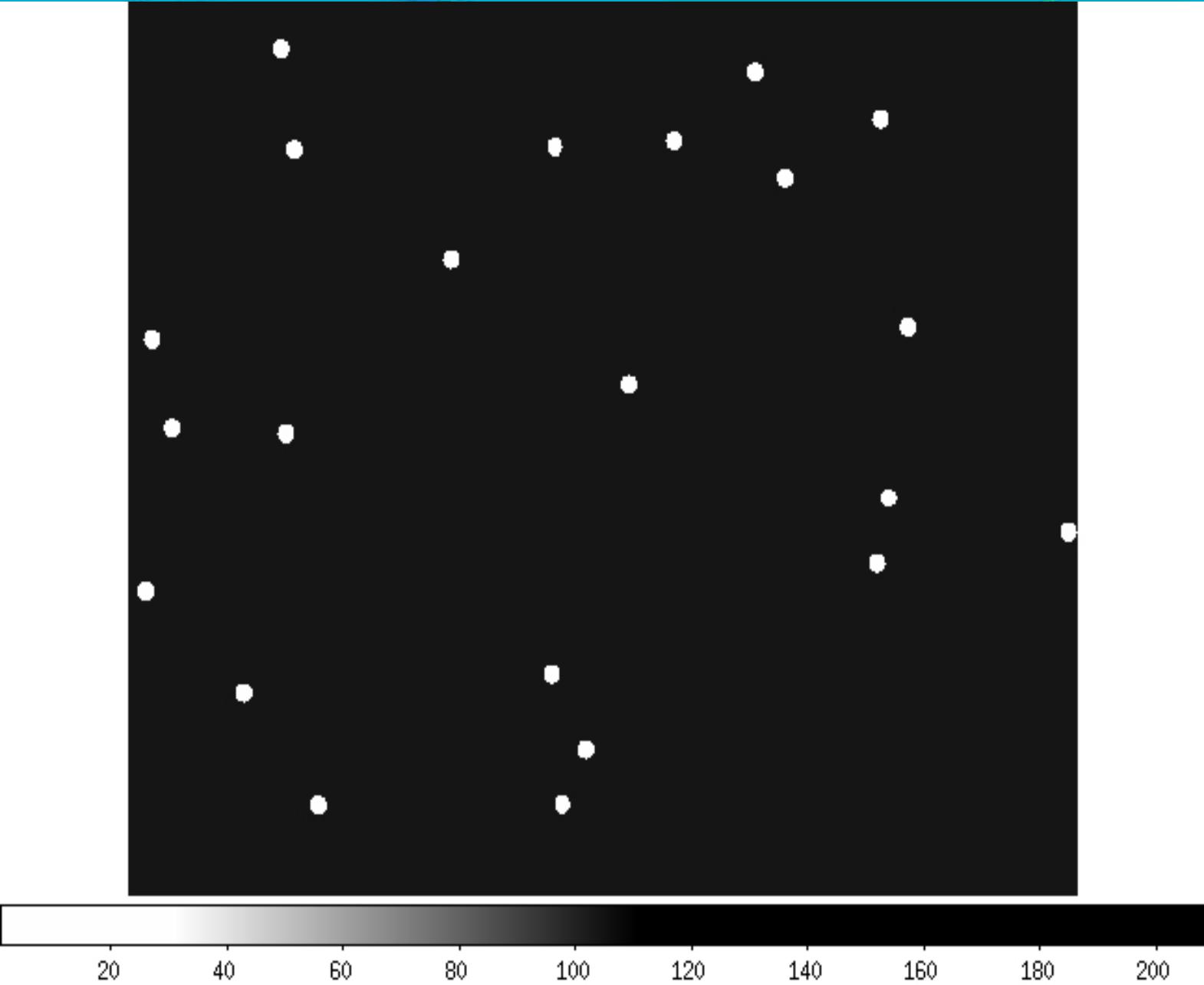


- Input Image of Omega Centauri (1/4) in NUV

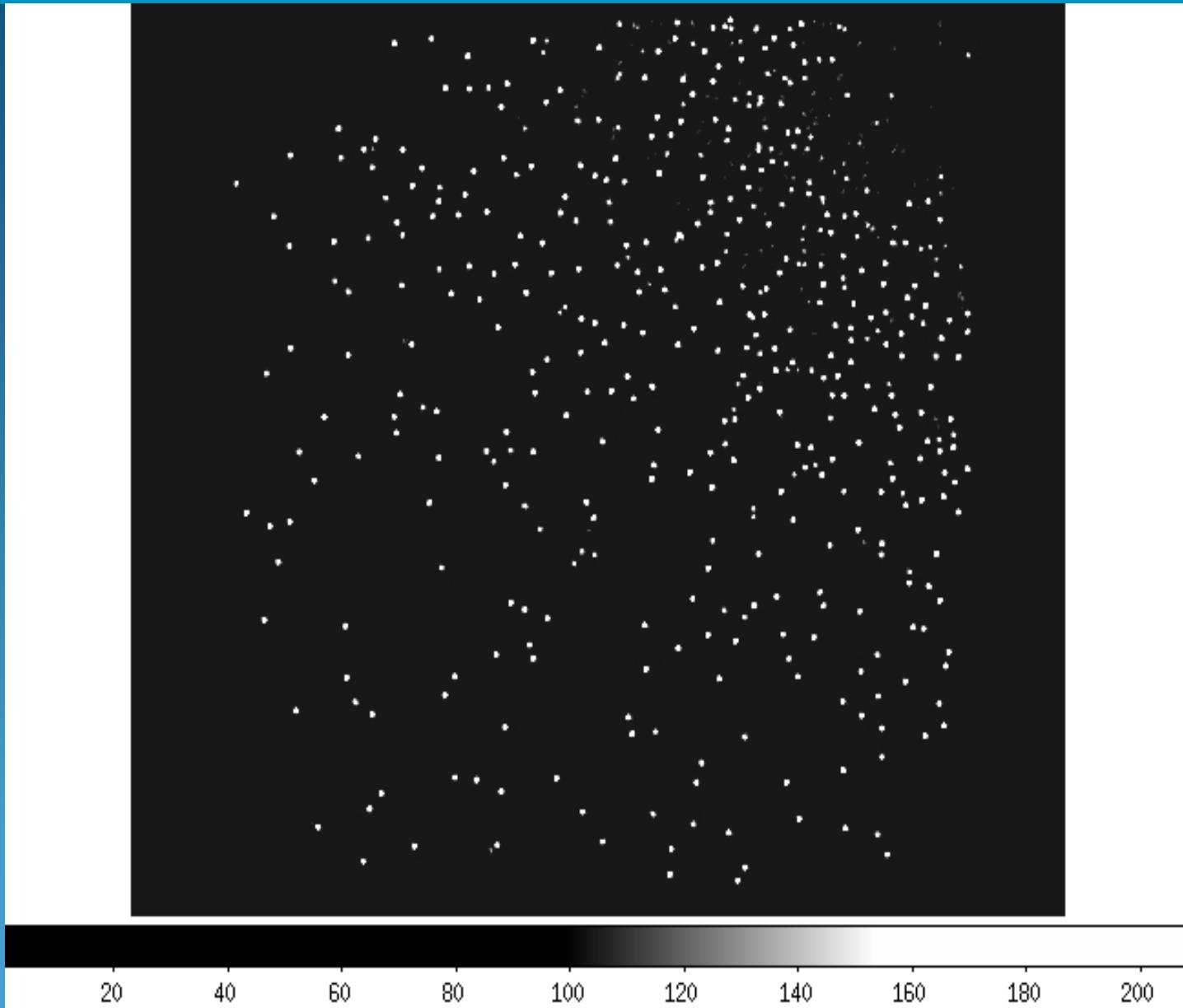


20 40 60 80 100 120 140 160 180 200

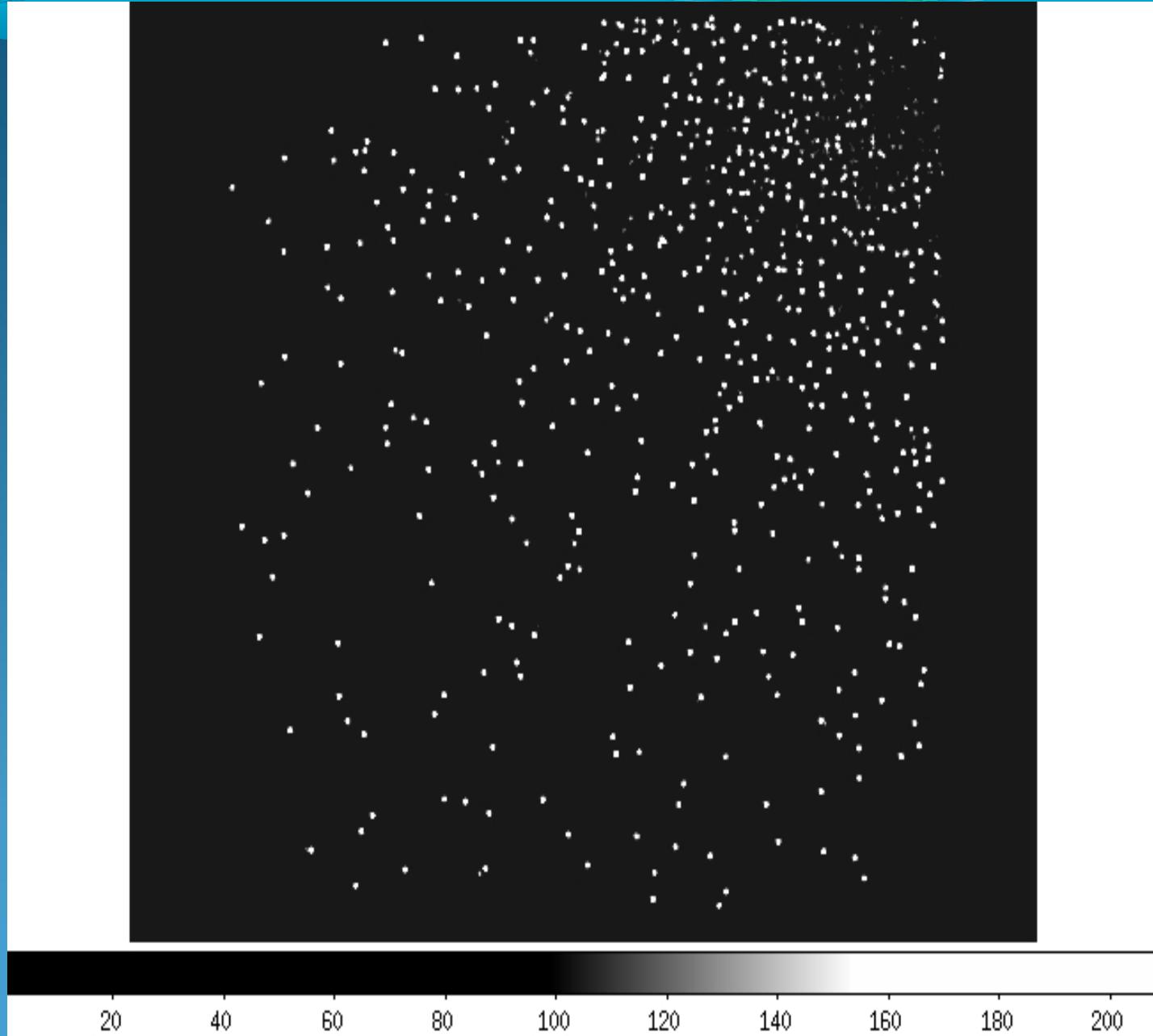
- Close up of the input image



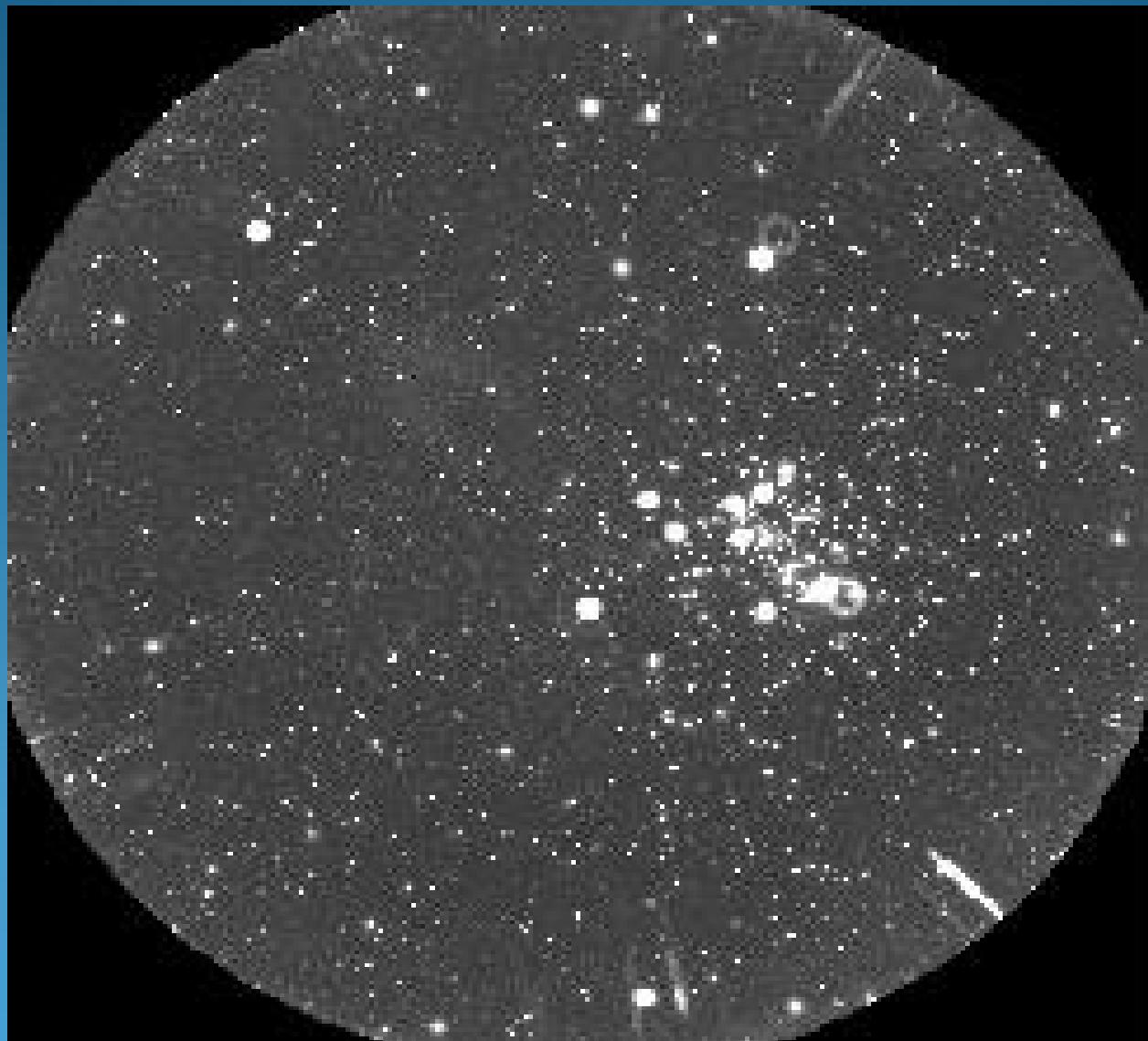
- Simulated image in NUV using UVIT simulator
- (Rejection threshold – more than one photon/frame)



- Simulated image – rejection threshold increased



■ GALEX IMAGE OF M67 IN NEAR-UV



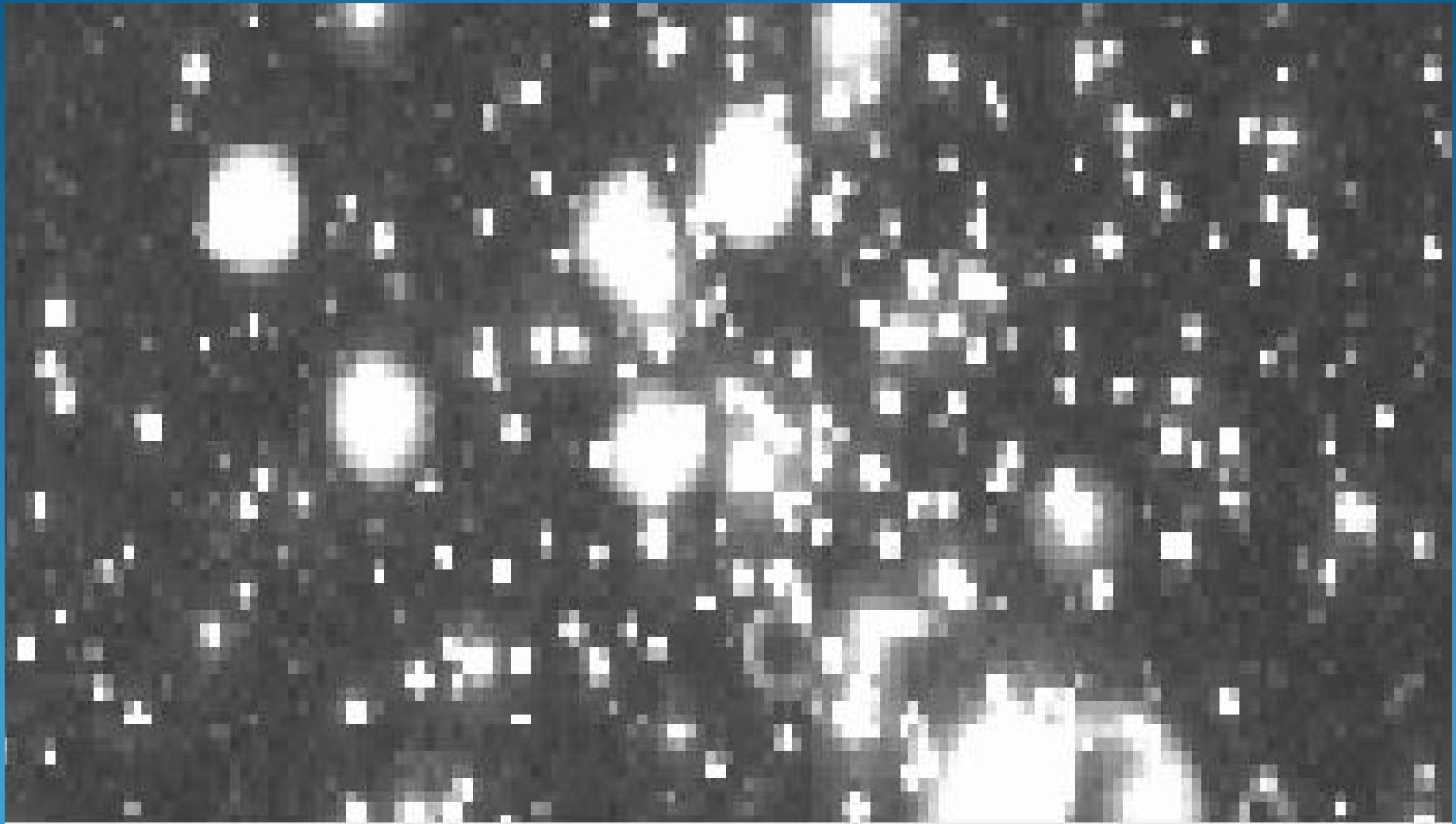
□ M67 / NGC2682

The Old Open Cluster Messier 67

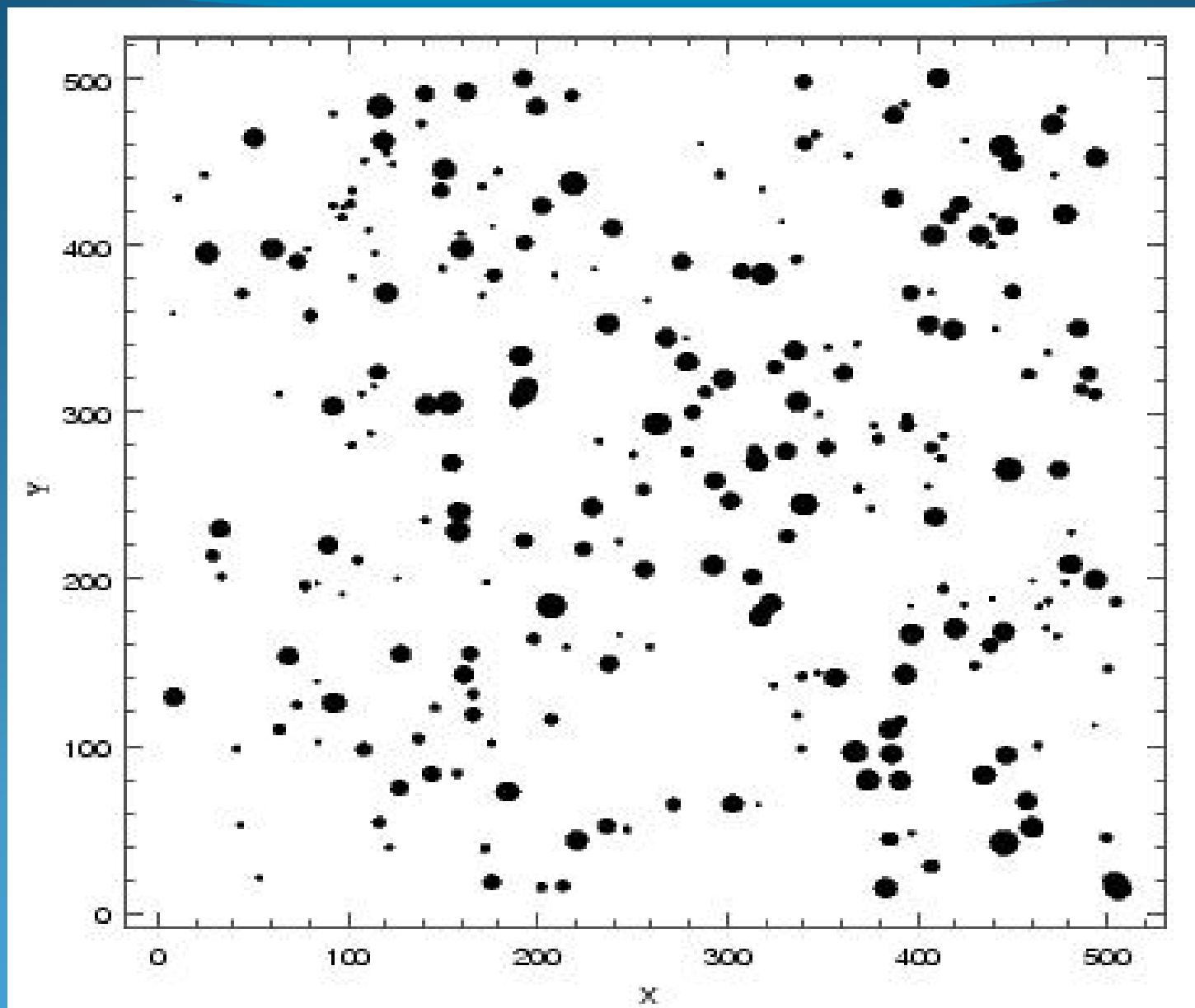


Two Micron All Sky Survey
– Northern Facility –
2MASS Atlas Image Mosaic
Infrared Processing and Analysis Center & University of Massachusetts

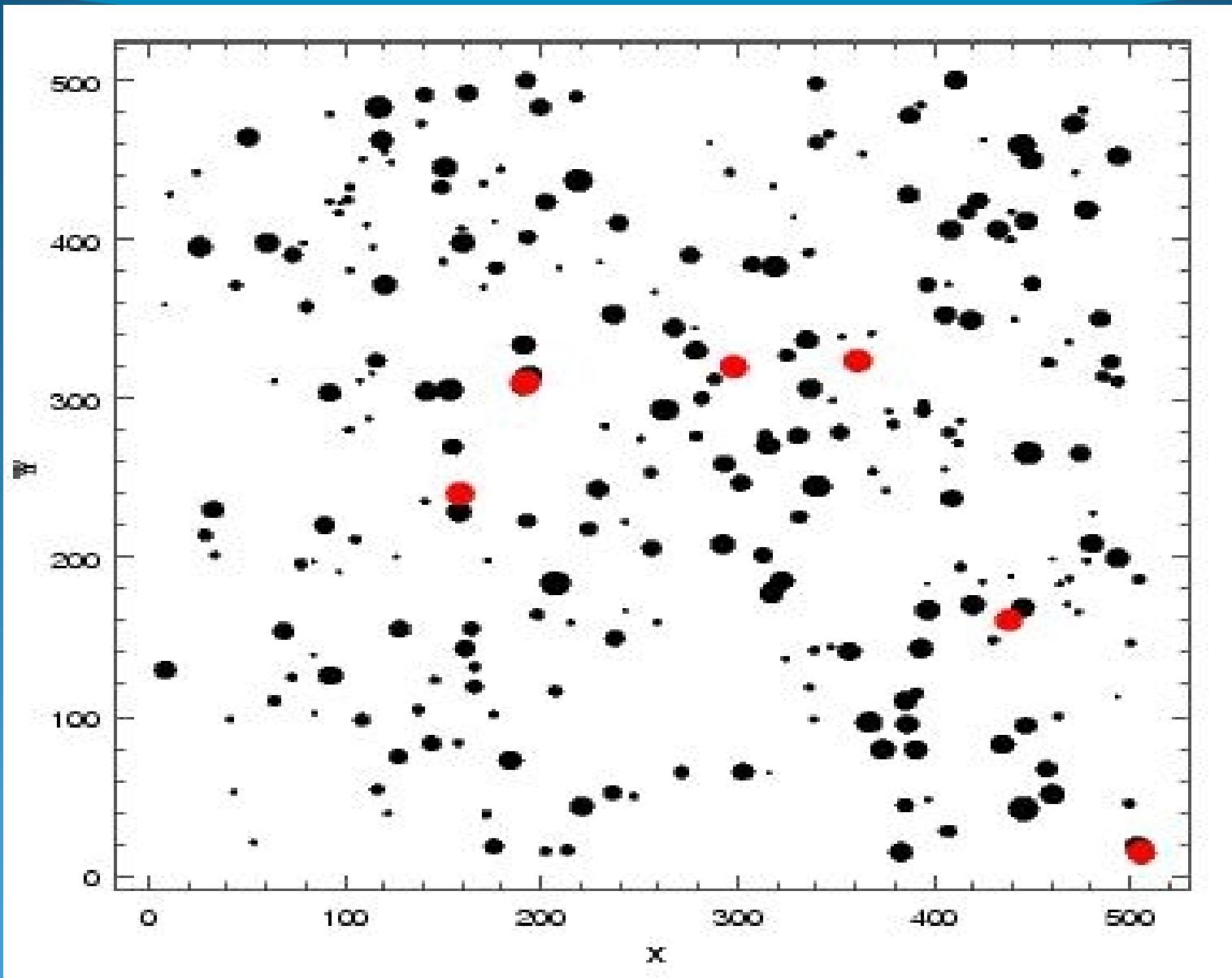
- Galex image of M67 cluster



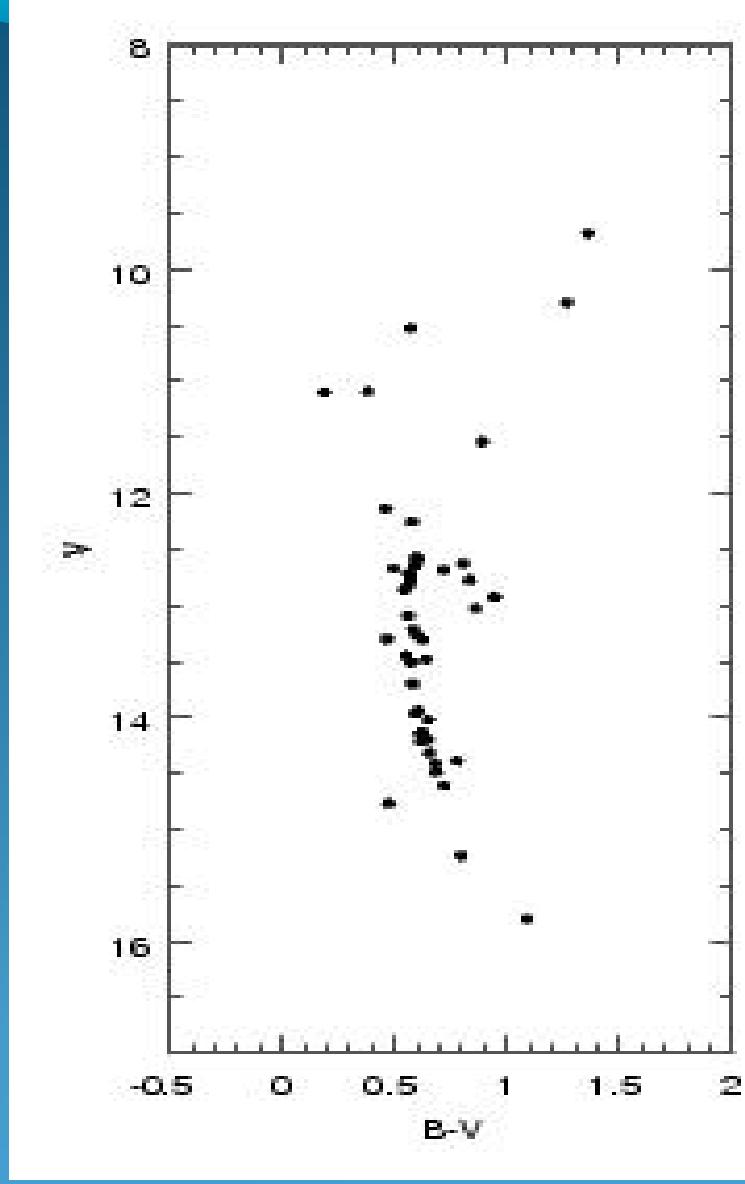
X – Y PLOT OF M67



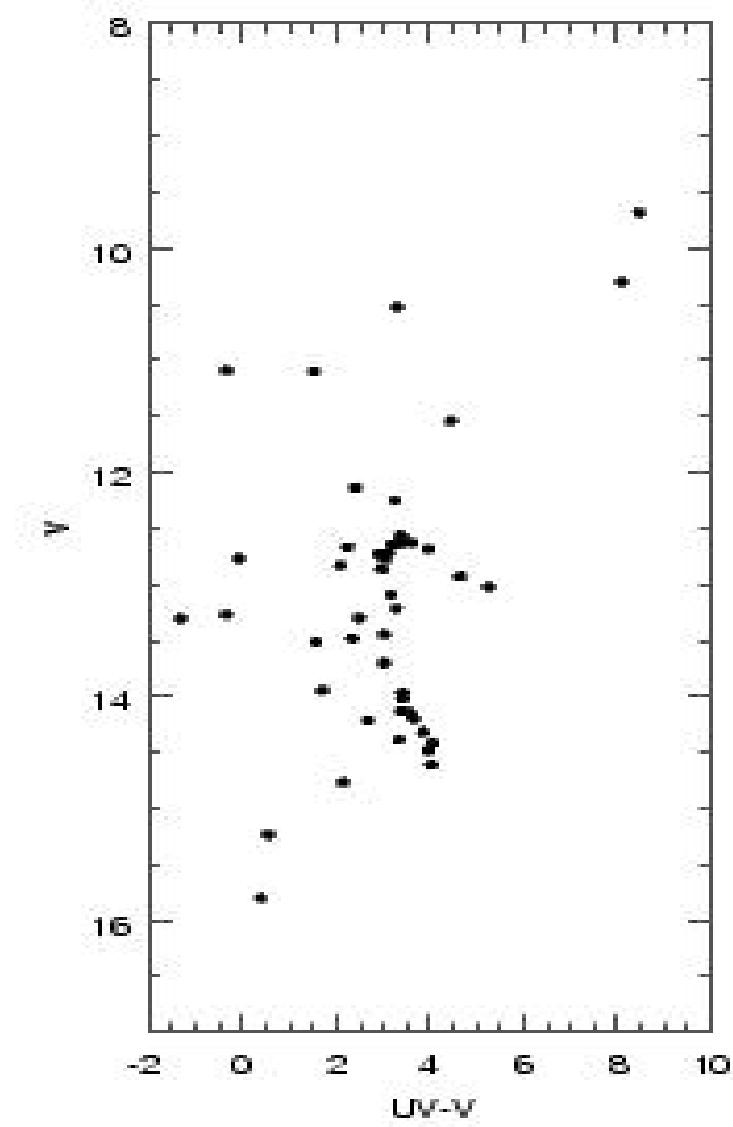
X-Y PLOT SHOWING CATACLYSMIC VARIABLES



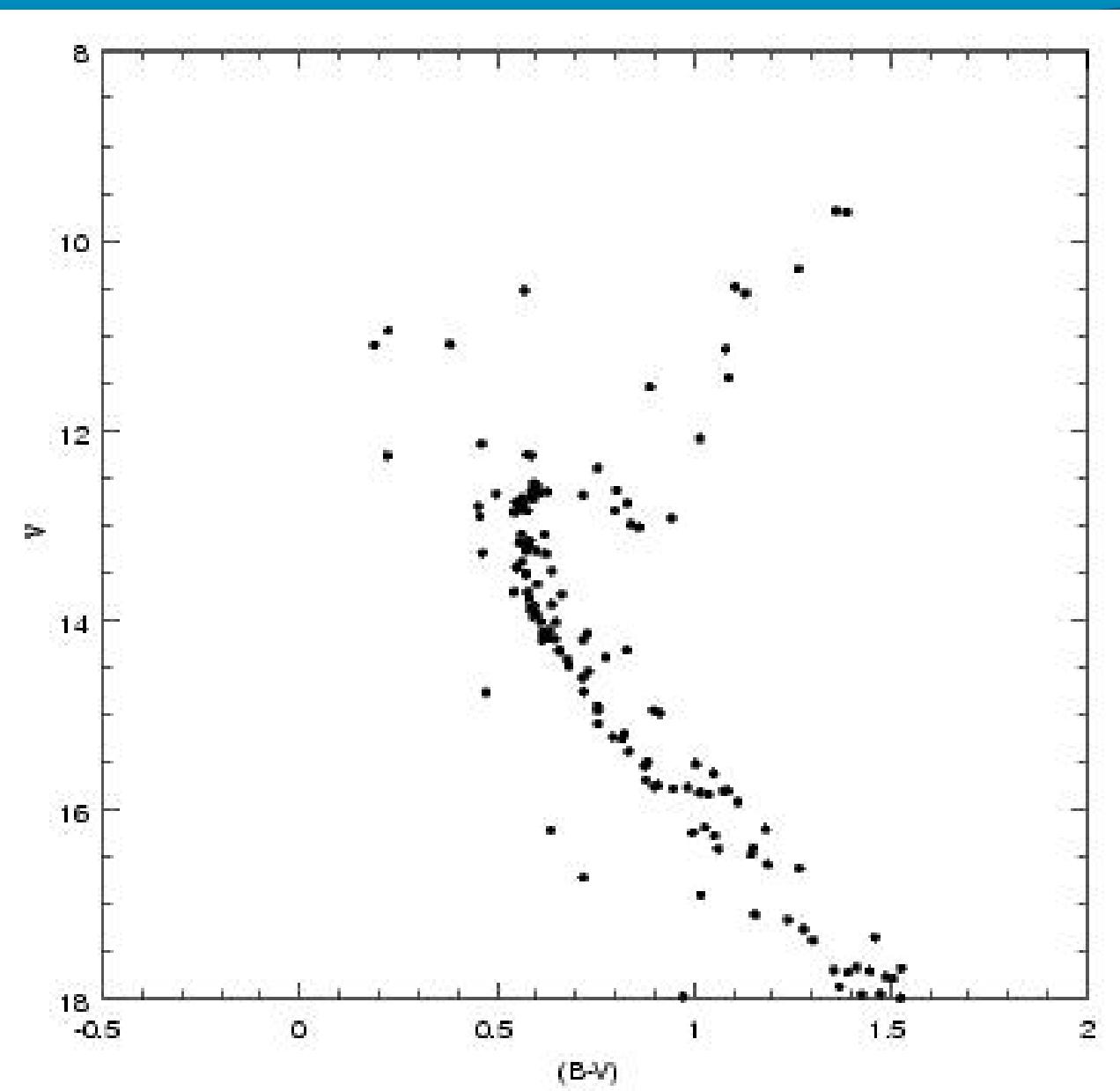
OPTICAL CM DIAGRAM



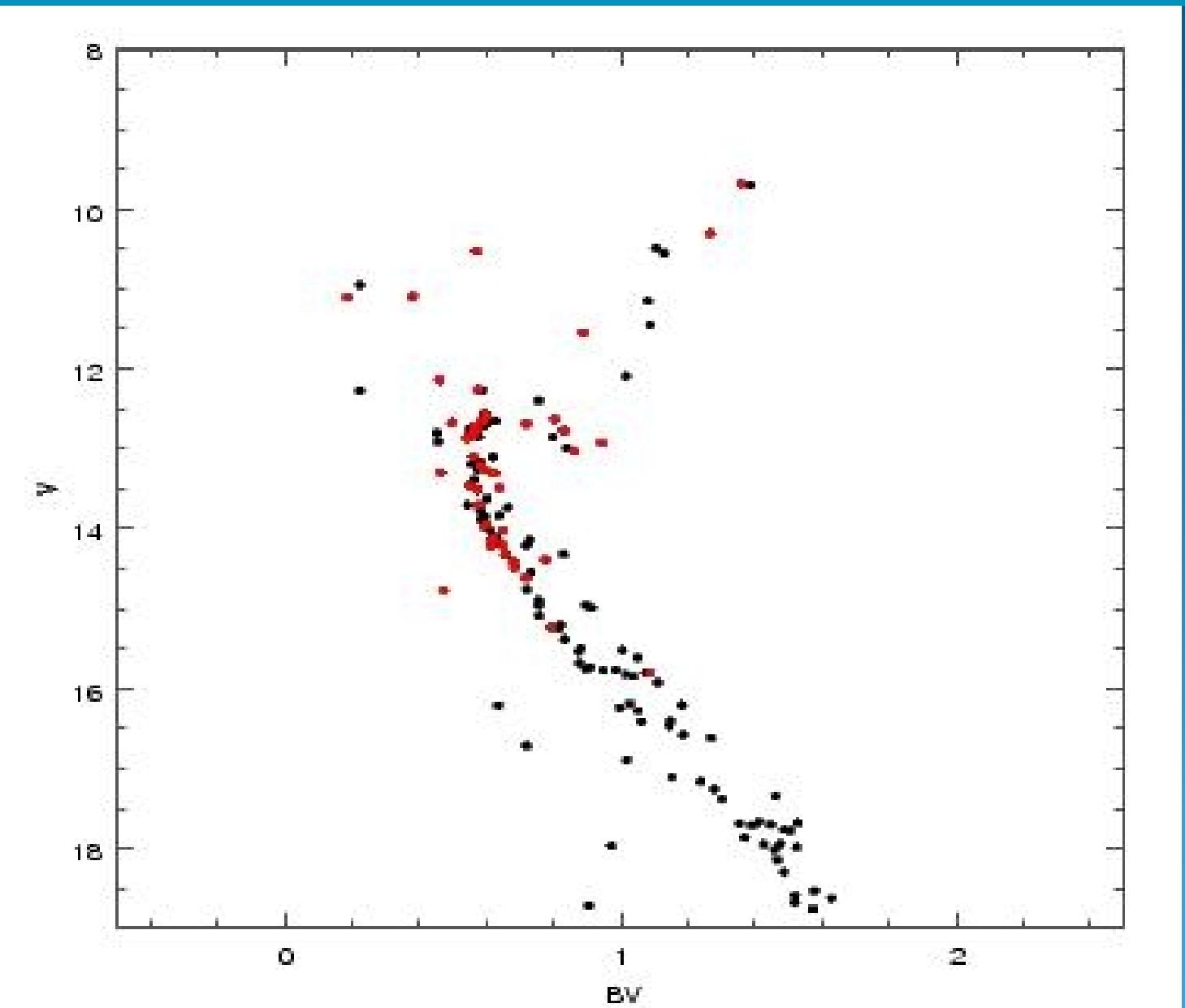
UV CM DIAGRAM



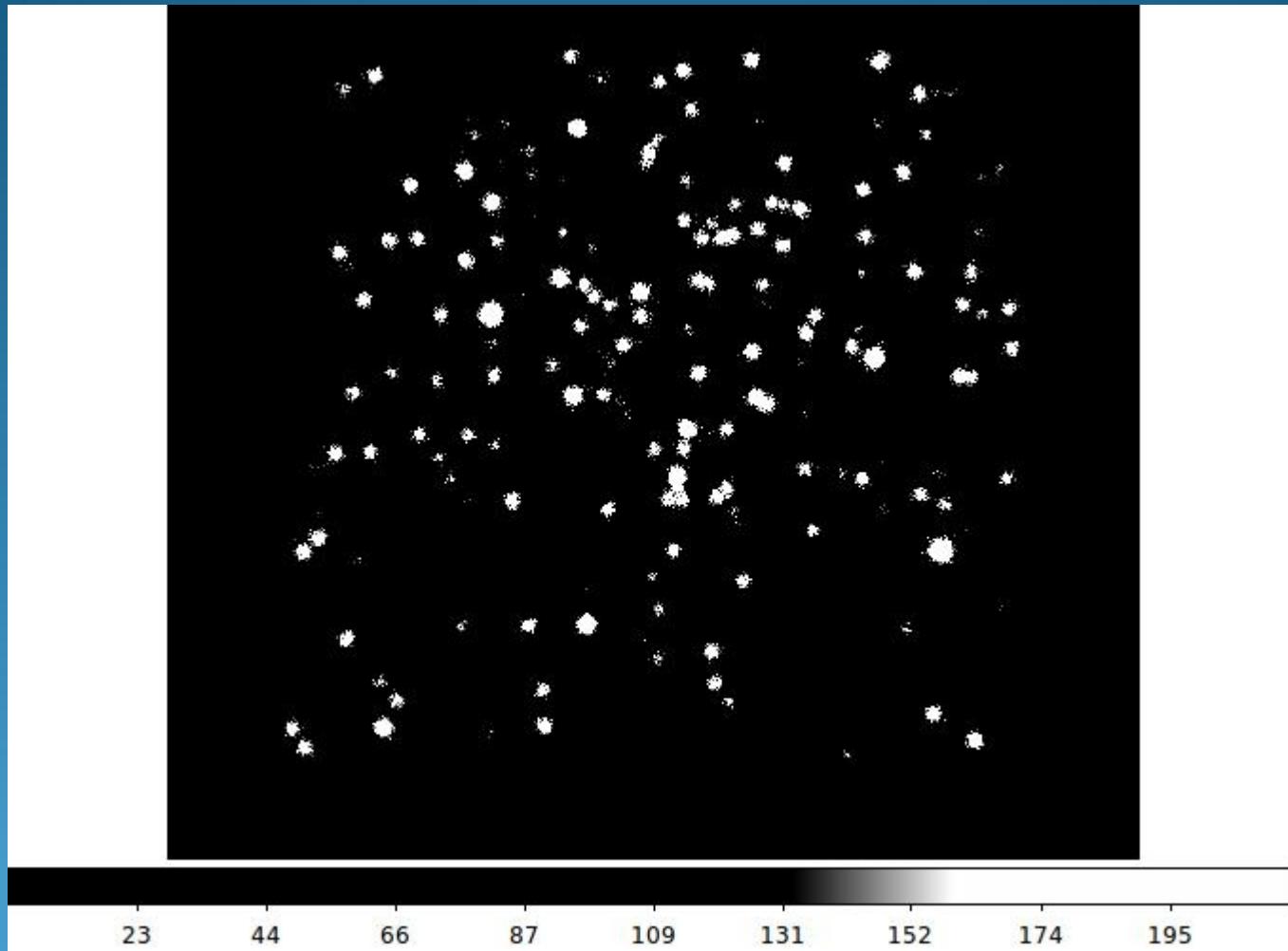
OPTICAL COLOR MAGNITUDE DIAGRAM



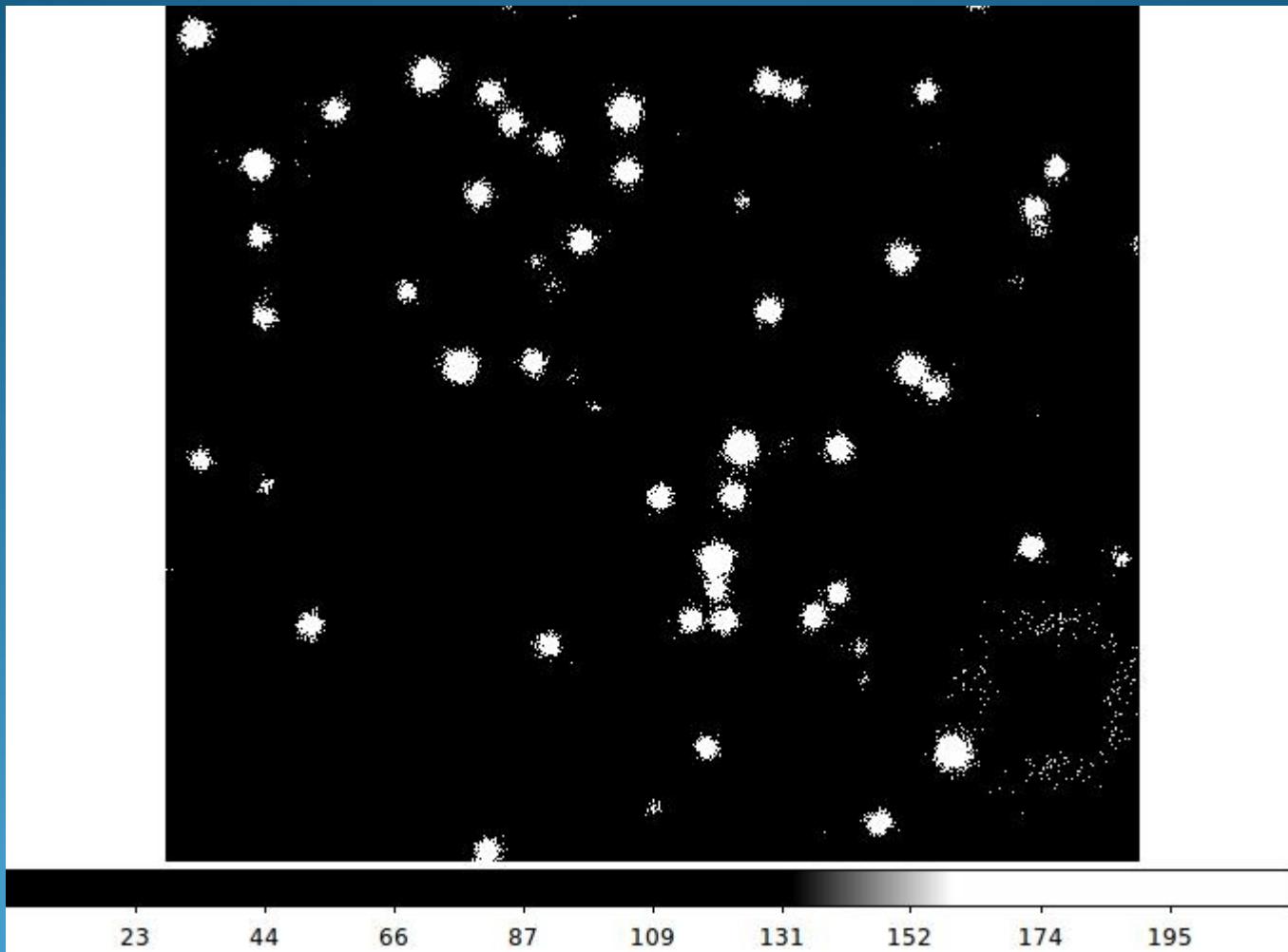
OPTICAL COLOR MAGNITUDE DIAGRAM

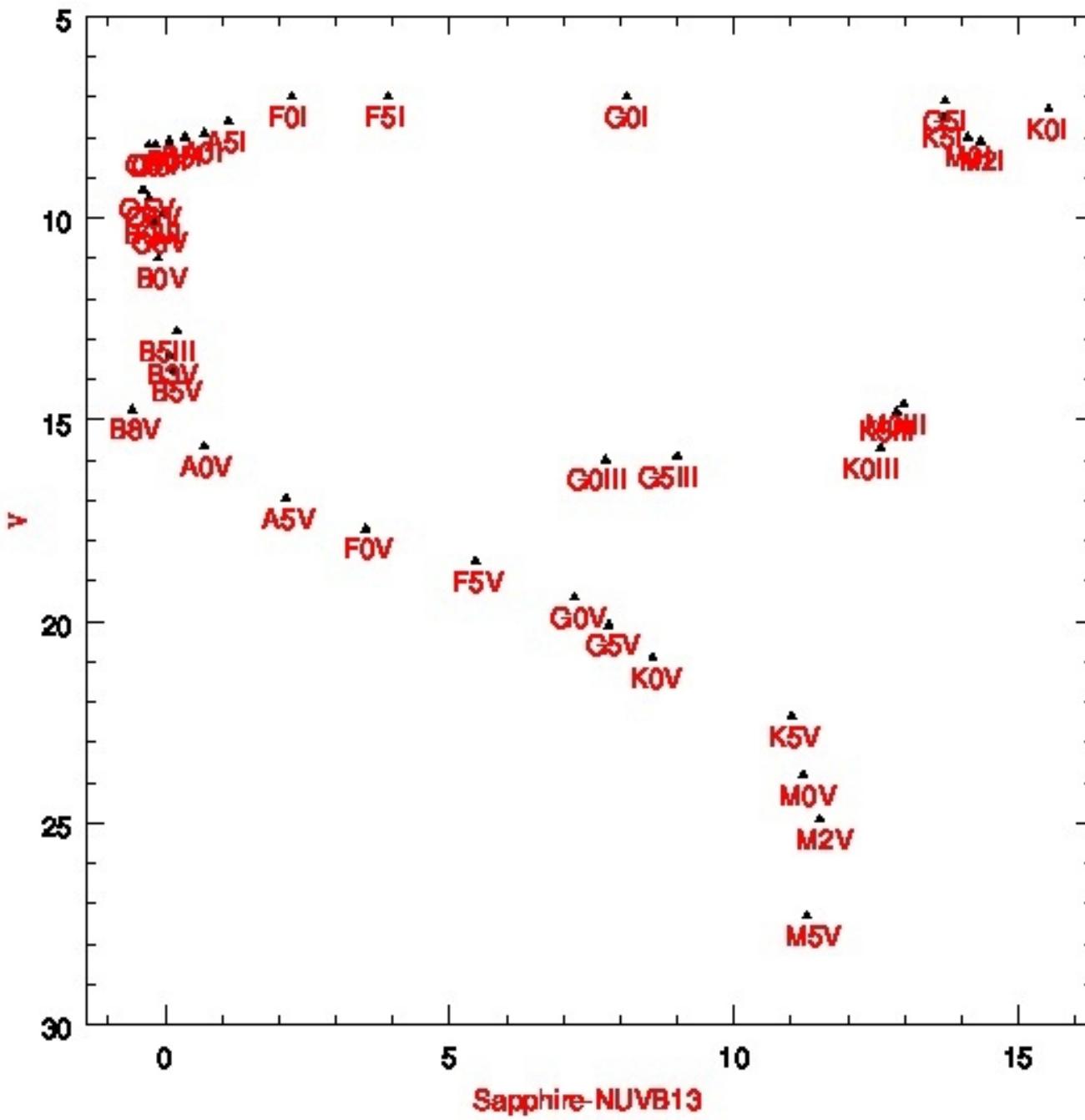


Simulated image of M67 for UVIT

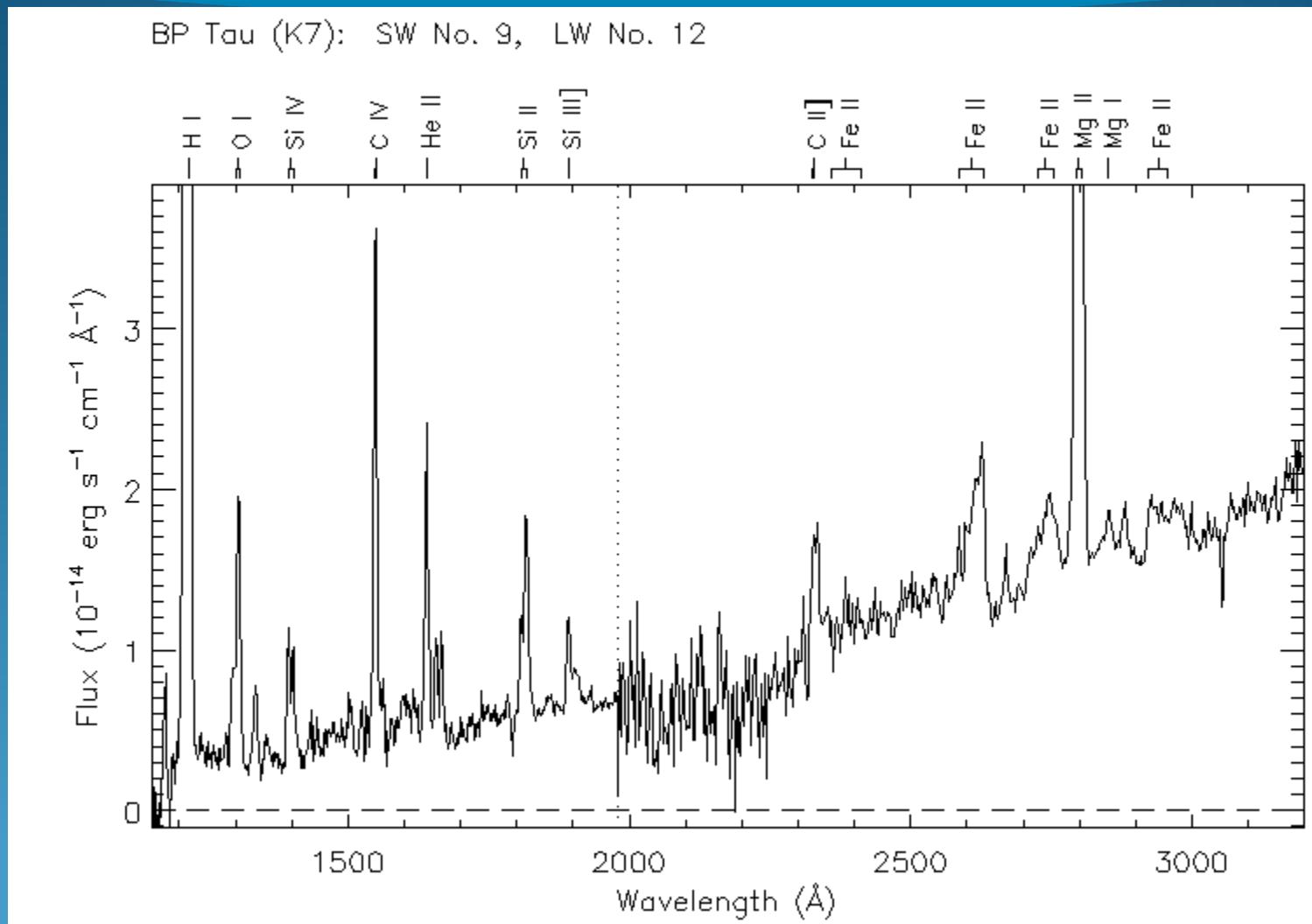


Close up of the simulated M67 image

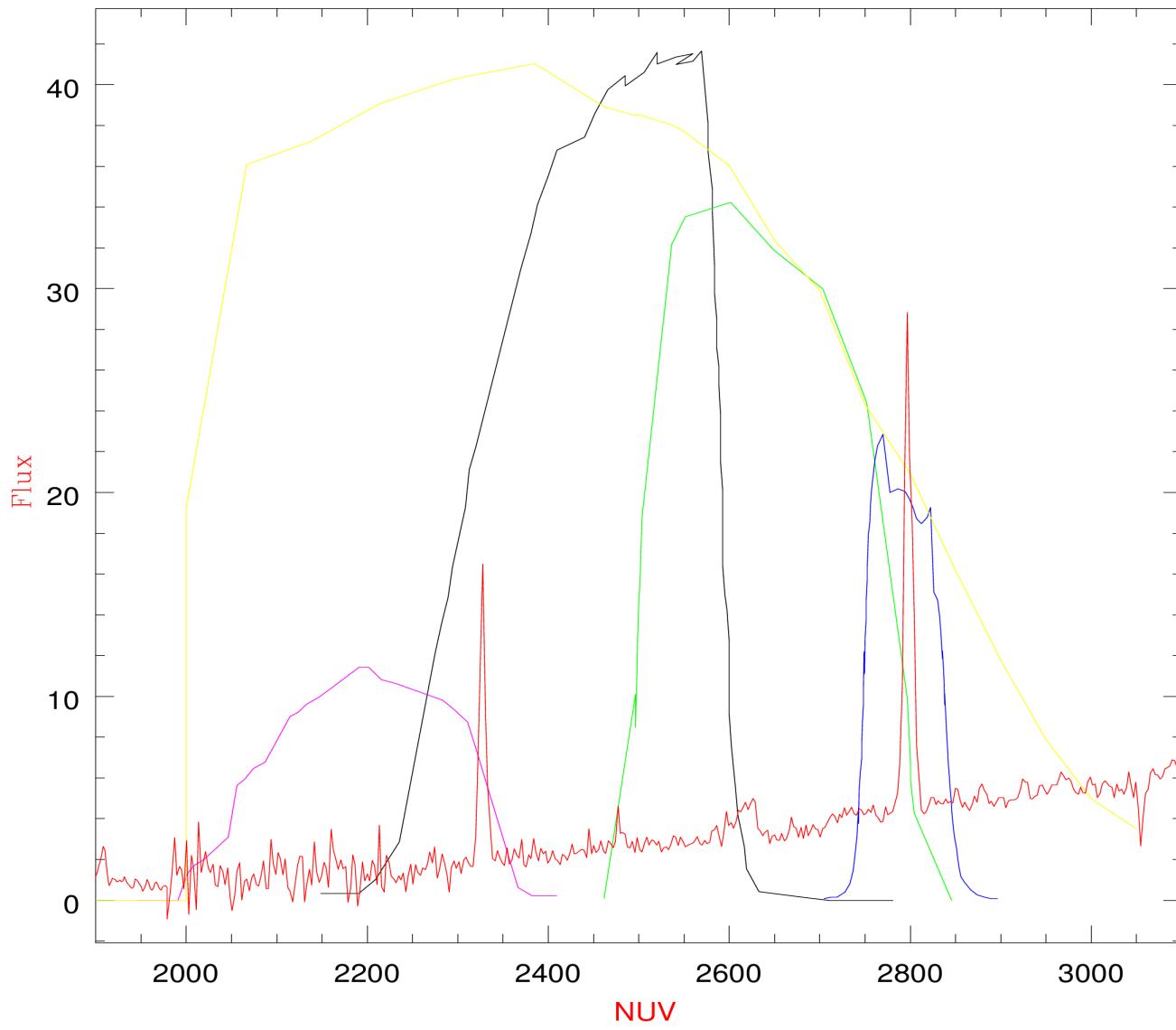




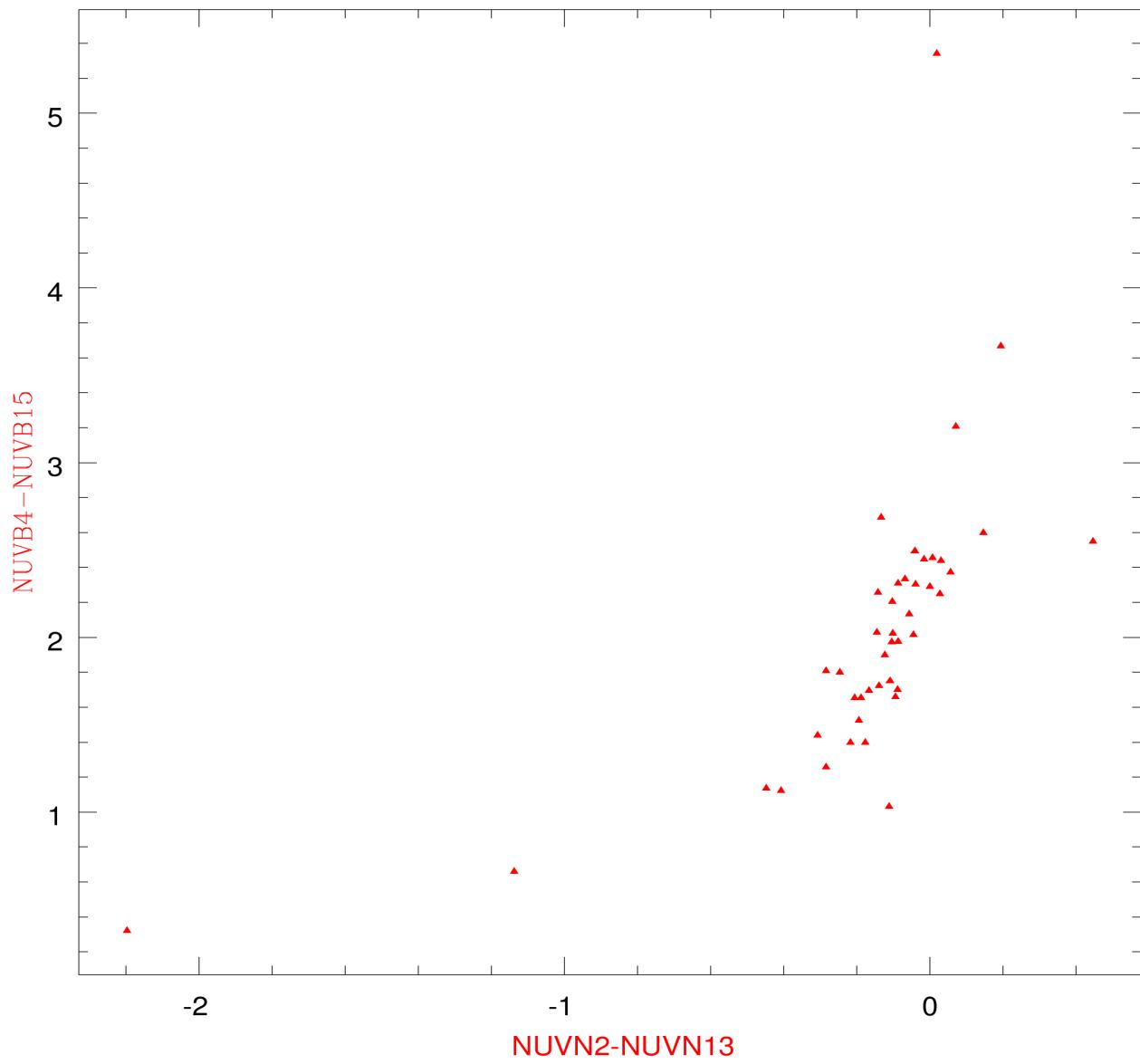
YSOs - BP Tau – IUE spectrum

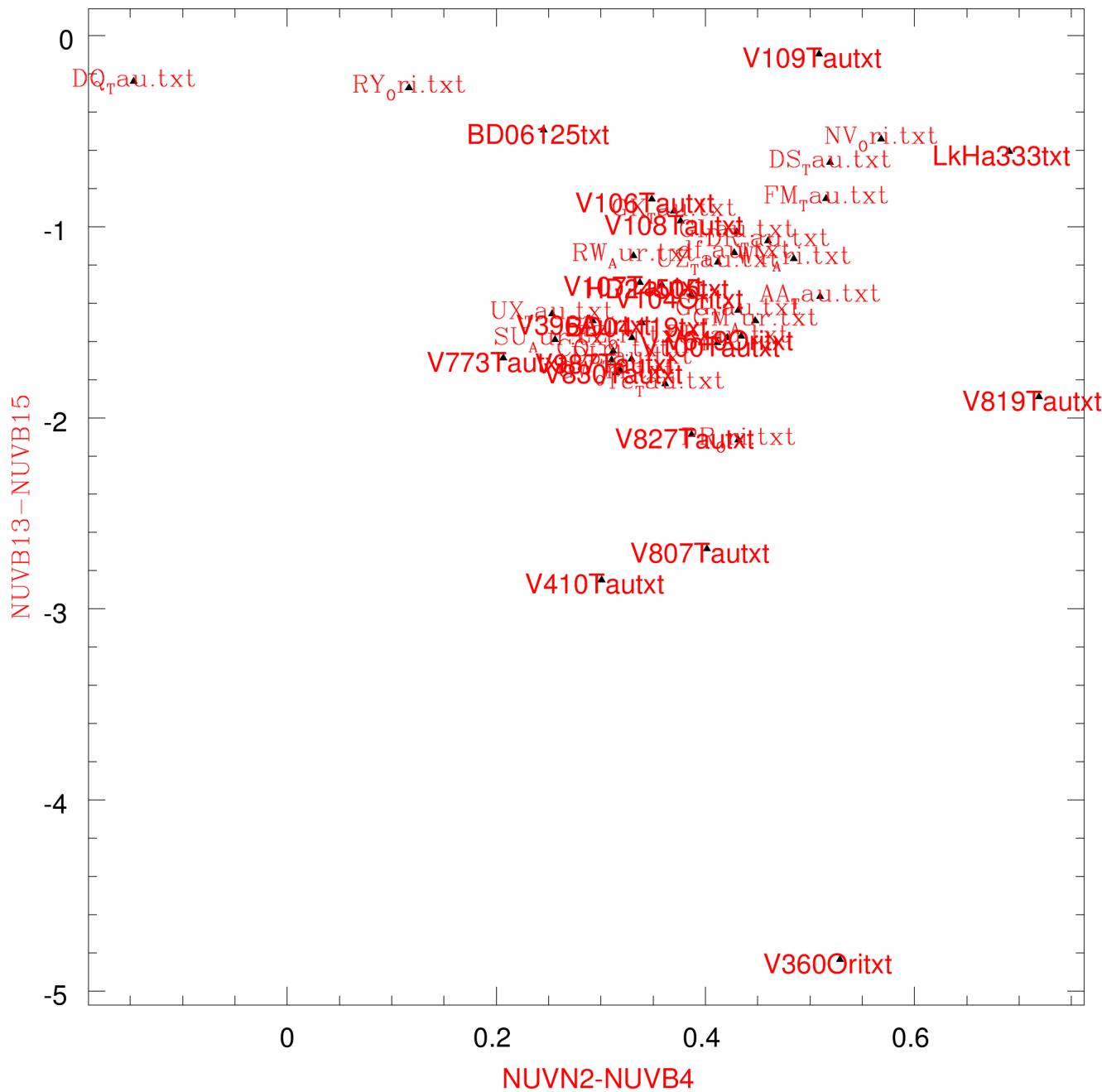


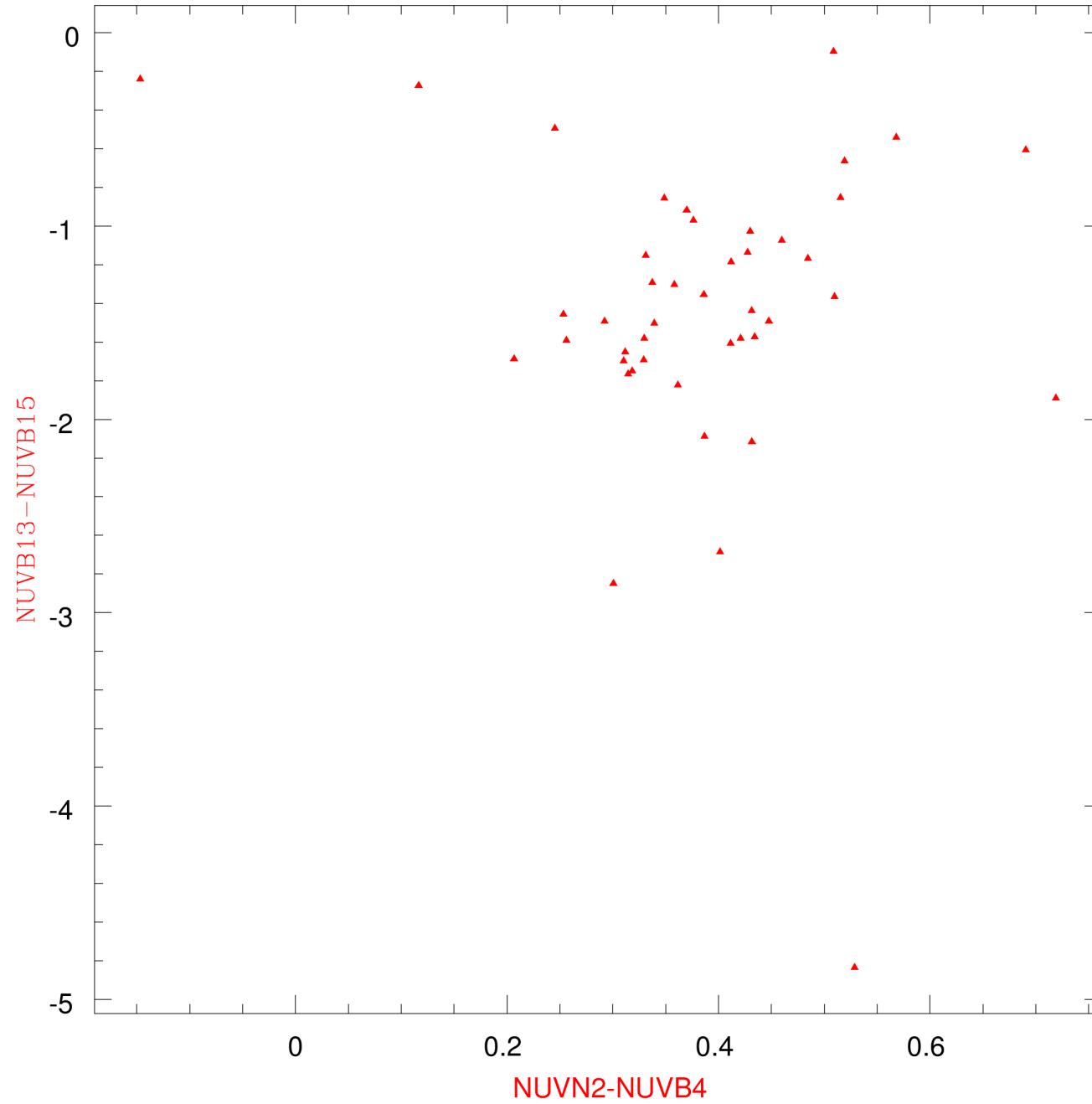
YSO – BP Tau with NUV filters



T-Tauri stars – 50 spectra from IUE







Herbig Ae/Be stars – 40 IUE spectra

