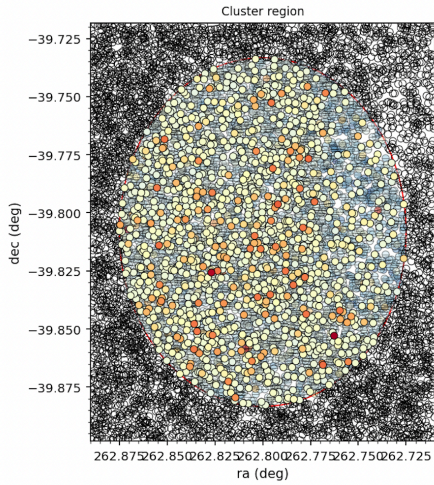


# STAR CLUSTER ANALYSIS - RESEARCH NOTES

## SR 1758:

- There exist tidal tails, groups of stars in elongated shape in the star cluster
- Able to determine the radius and calculate the membership probability
- The core radius is 2.77 arcmin, field radius is 5.30 arcmin
- The model completes at 20% of the data
- Able to detect the rotational motion
- The field and member star are not well separated
- In the SC, very few red giants are seen on the graph.



- Metallicity is 0.02/0.035 – The GC is usually metal-poor
- Age – 11 billion years
- Distance modulus – 12.6/13.9
- Dust Extinction -

