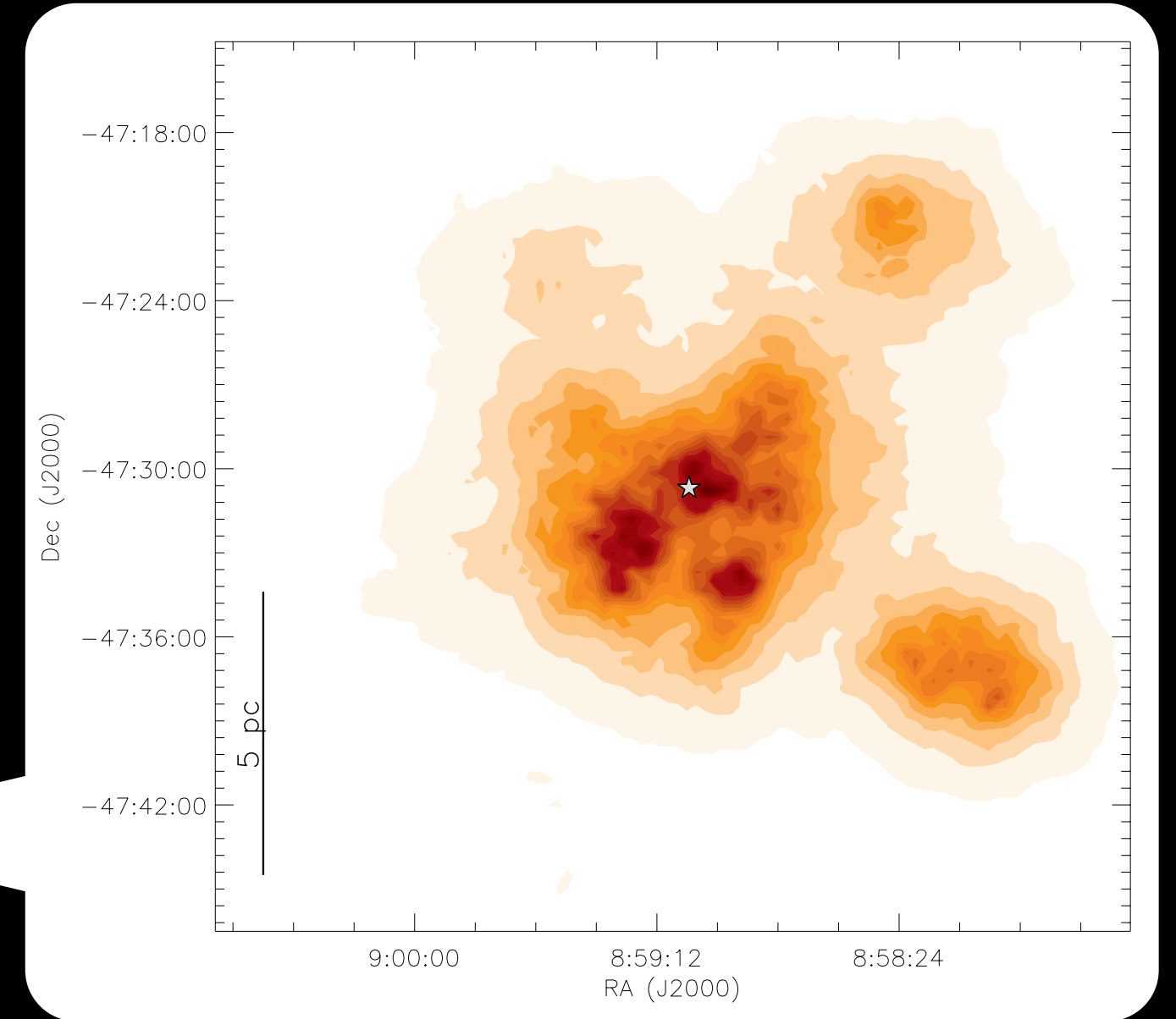
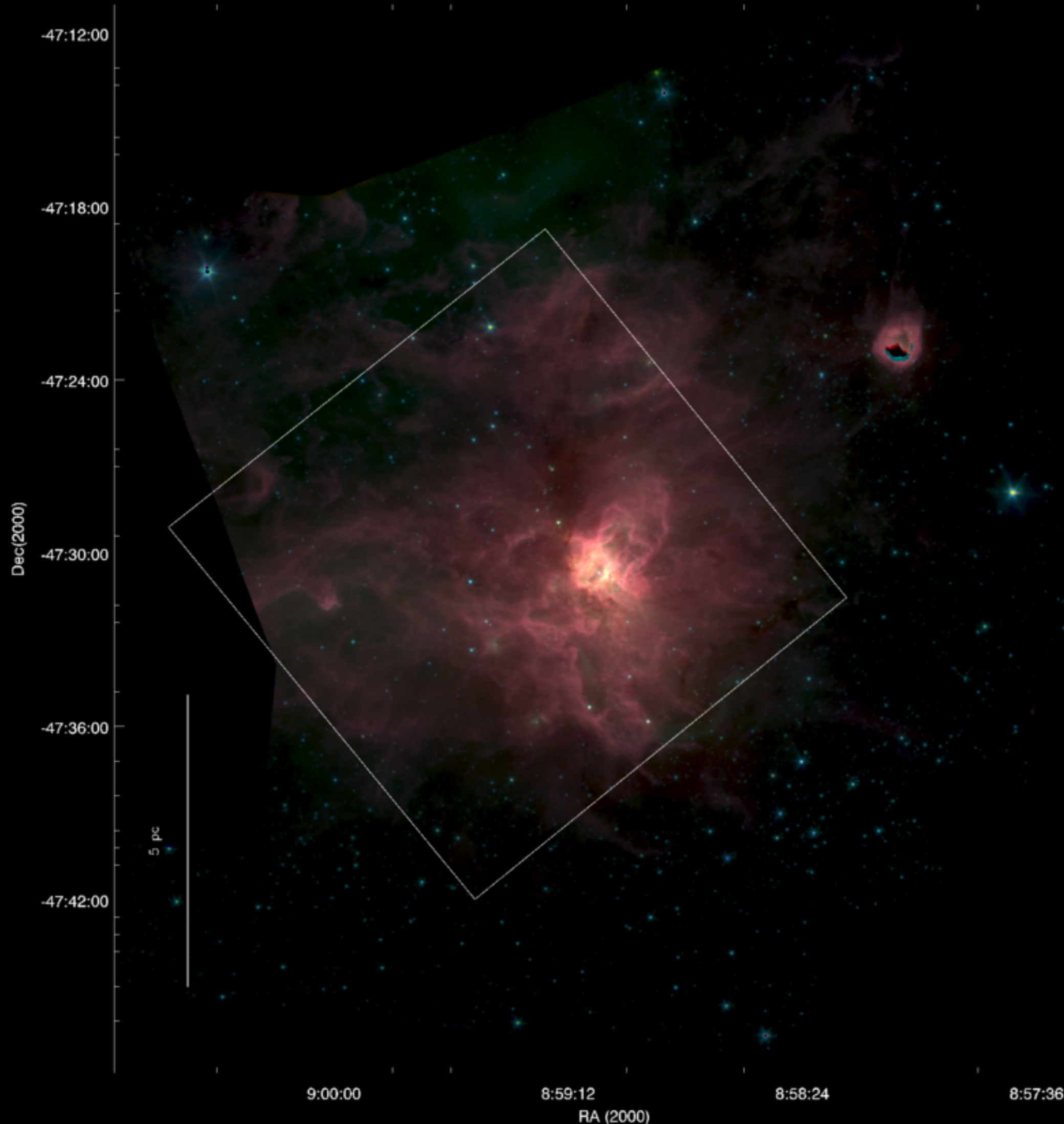


# Clusters within Clusters: RCW 38

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## RCW 38:

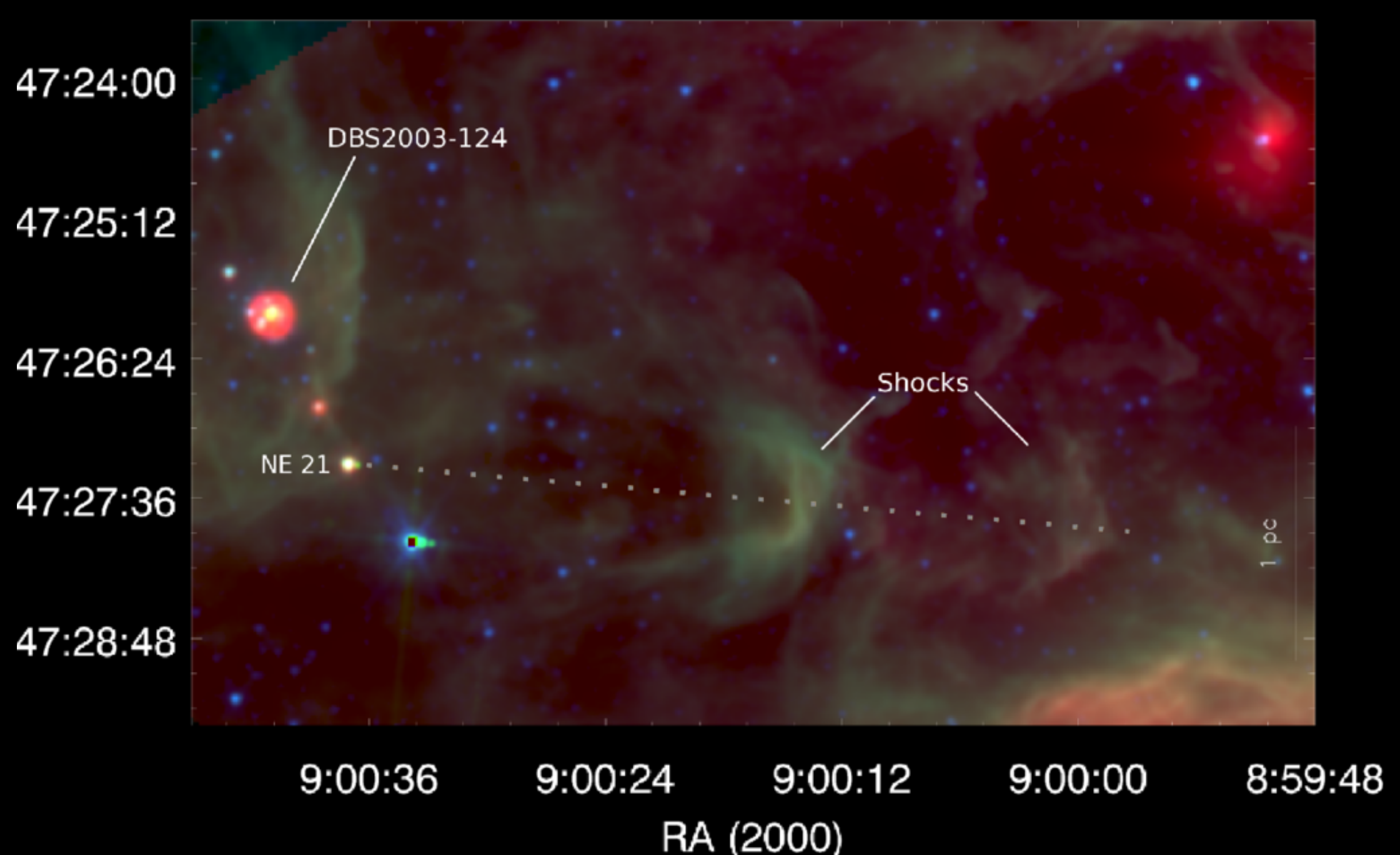
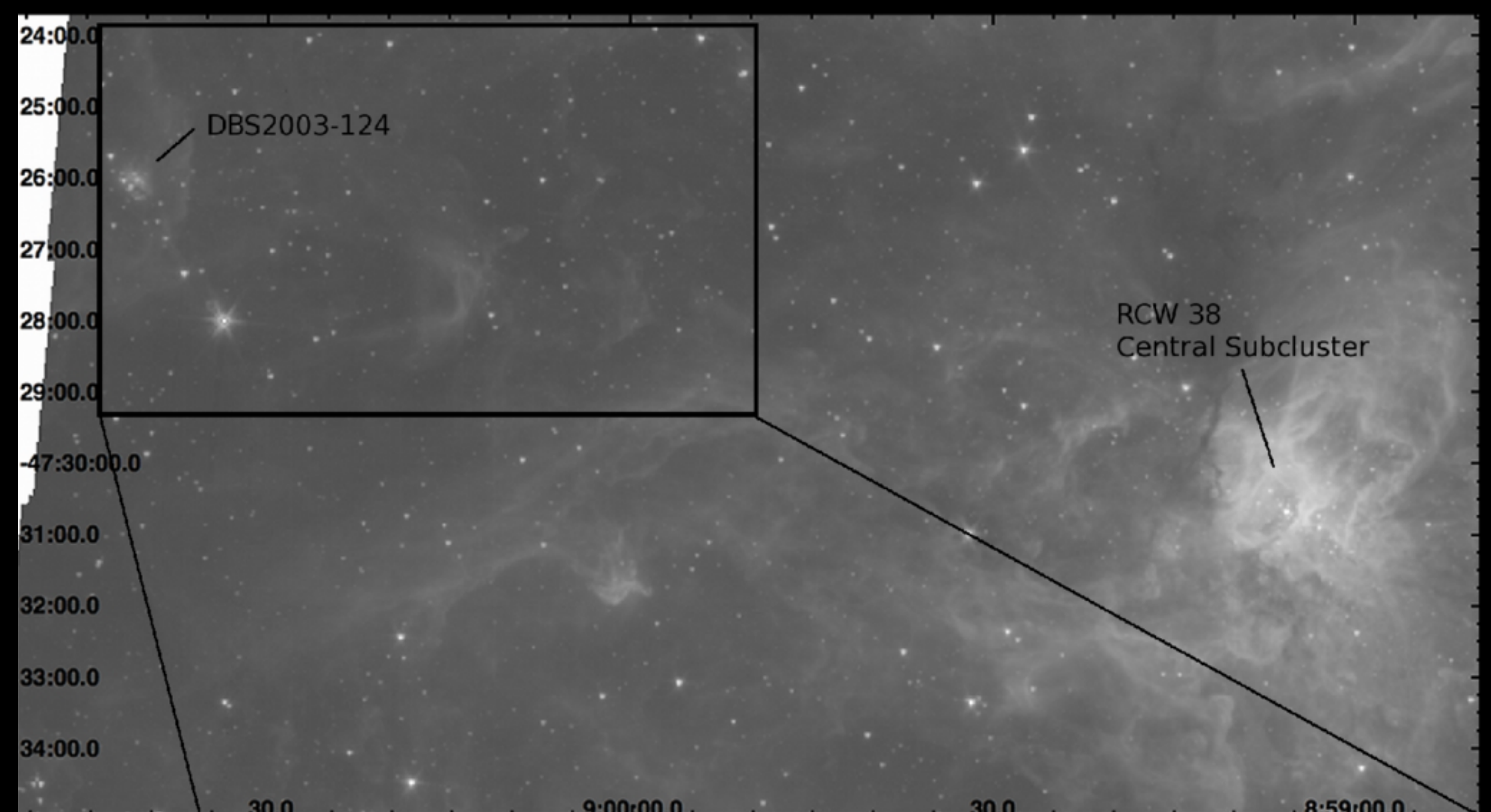
Left: IRAC 3.6, 4.5, 8.0 $\mu$ m false colour image, with overlay showing Chandra ACIS field of view. The O5.5 binary, IRS 2, is the bright source left of centre (DeRose et al 2009).

Above: a density map of 624 YSOs showing 4 subclusters.

## Yet Another Subcluster?

DBS2003-124 was found by Dutra et al 2003 using 2MASS near-IR observations. Mid-IR Spitzer observations identify it as a cluster of young stars likely associated with RCW 38.

We find 33 candidate YSOs in the grouping, and also identify a possible protostellar jet.



## Conclusion:

- ★ Identify 624 YSOs: 23 class 0/I, 90 flat spectrum, 437 class II, 74 class III.
- ★ Four subclusters identified.
- ★ Additional potential subcluster is DBS2003-124.

## References:

- DeRose, K., et al., 2009, *AJ*, 138, 33.
- Dutra, C.M., et al., 2003, *A&A*, 400, 533.
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- Winston, E., et al., 2011, *ApJ*, submitted.