

Extinction mapping of the IC63 photodissociation region using the BEAST

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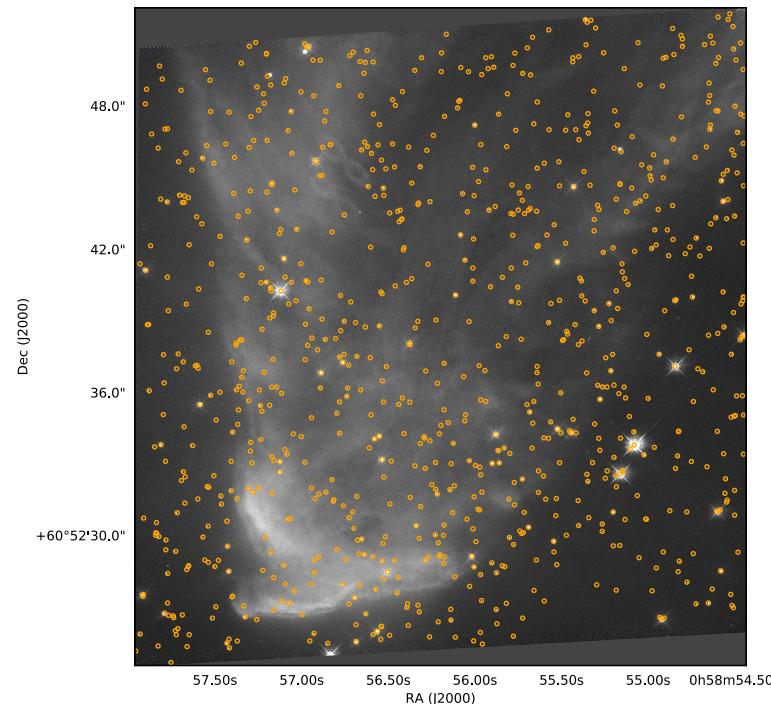
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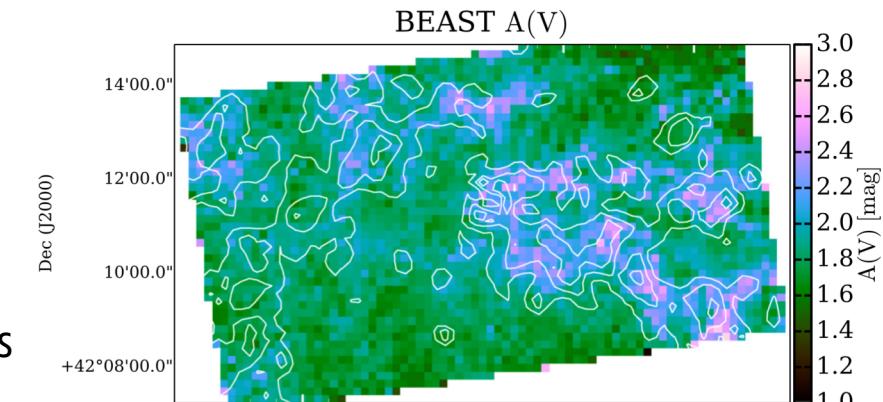
Method

- Observations in **7 wide filters** with Hubble's WFC3
- Photometry of **background sources** using Dolphot
- Derive **stellar properties and extinction parameters** using our Bayesian Extinction and Stellar Tool (BEAST)



Using these sources...

...make a map like this



Extinction map example for a part of M31 (PHAT survey, brick 21, see Gordon et al. 2016)

Goal

- Map extinction properties across the PDR
- Investigate dust properties under the varying conditions in the PDR