

# The Bolocam Galactic Plane Survey: Data, Early Results, and Future Directions

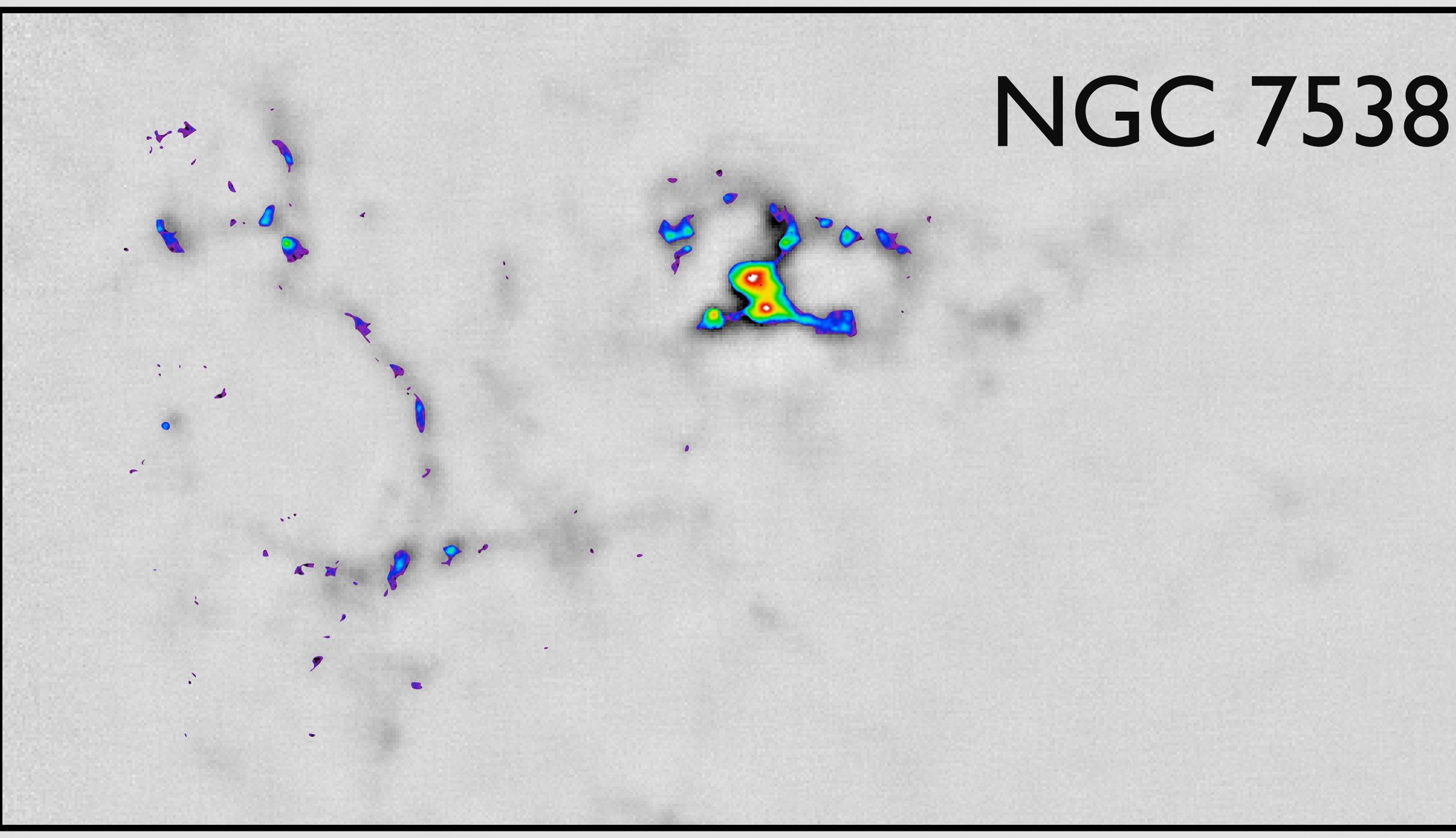
Adam Ginsburg and the BGPS team

$\ell=12$

$\ell=10$

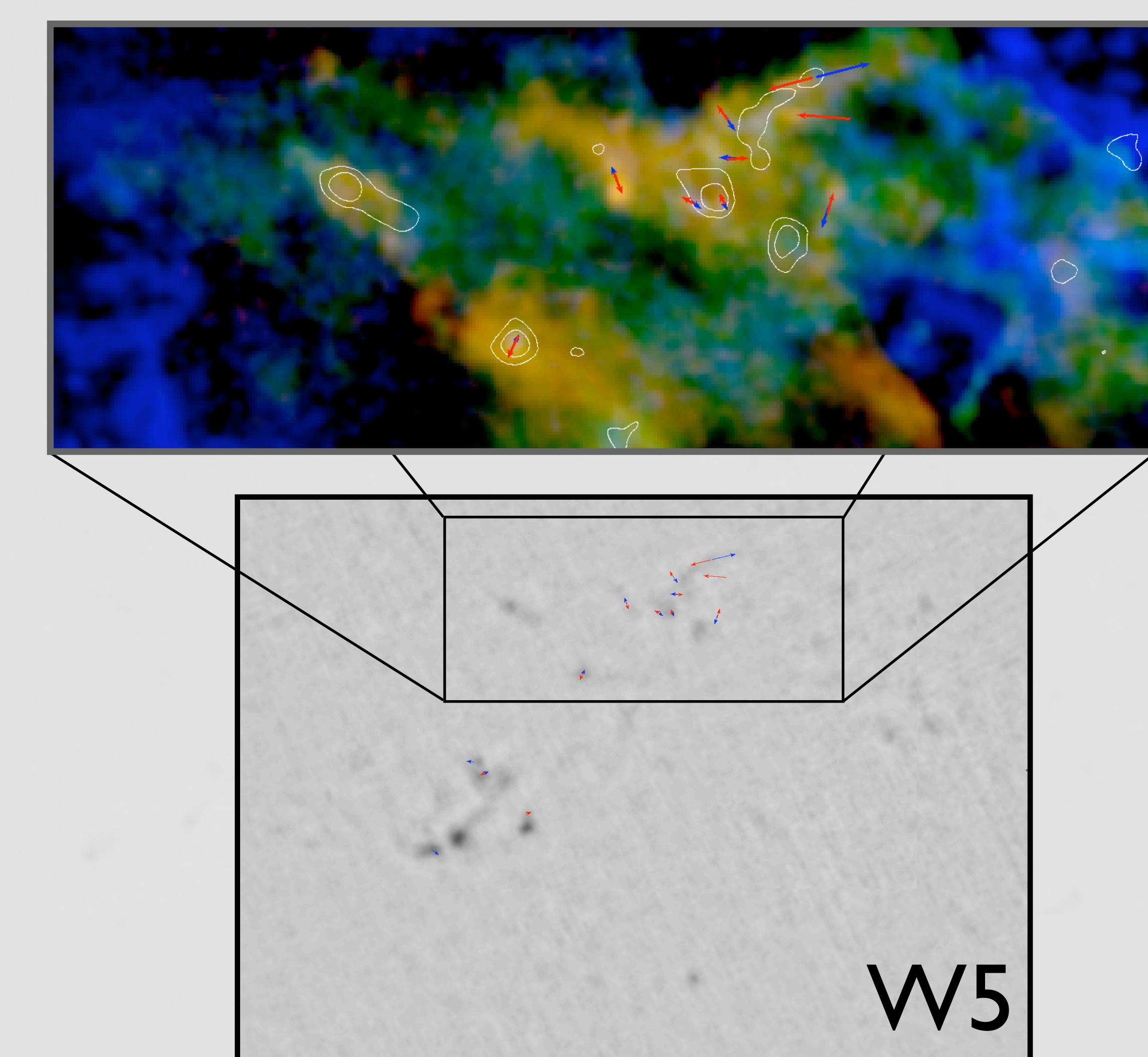
- 1.1mm continuum traces optically thin dust
- 33" beam shows the dense ( $n \sim 10^{3-4} \text{ cm}^{-3}$ ) component of GMCs at 1-10 kpc

SHARC-II 350 $\mu\text{m}$



- Shows filamentary structure, clumps, and massive cores
- Extended in the outer Galaxy in December 2009
- Follow-up heterodyne and continuum projects are underway using CSO, GBT, HHT, JCMT, and the VLA

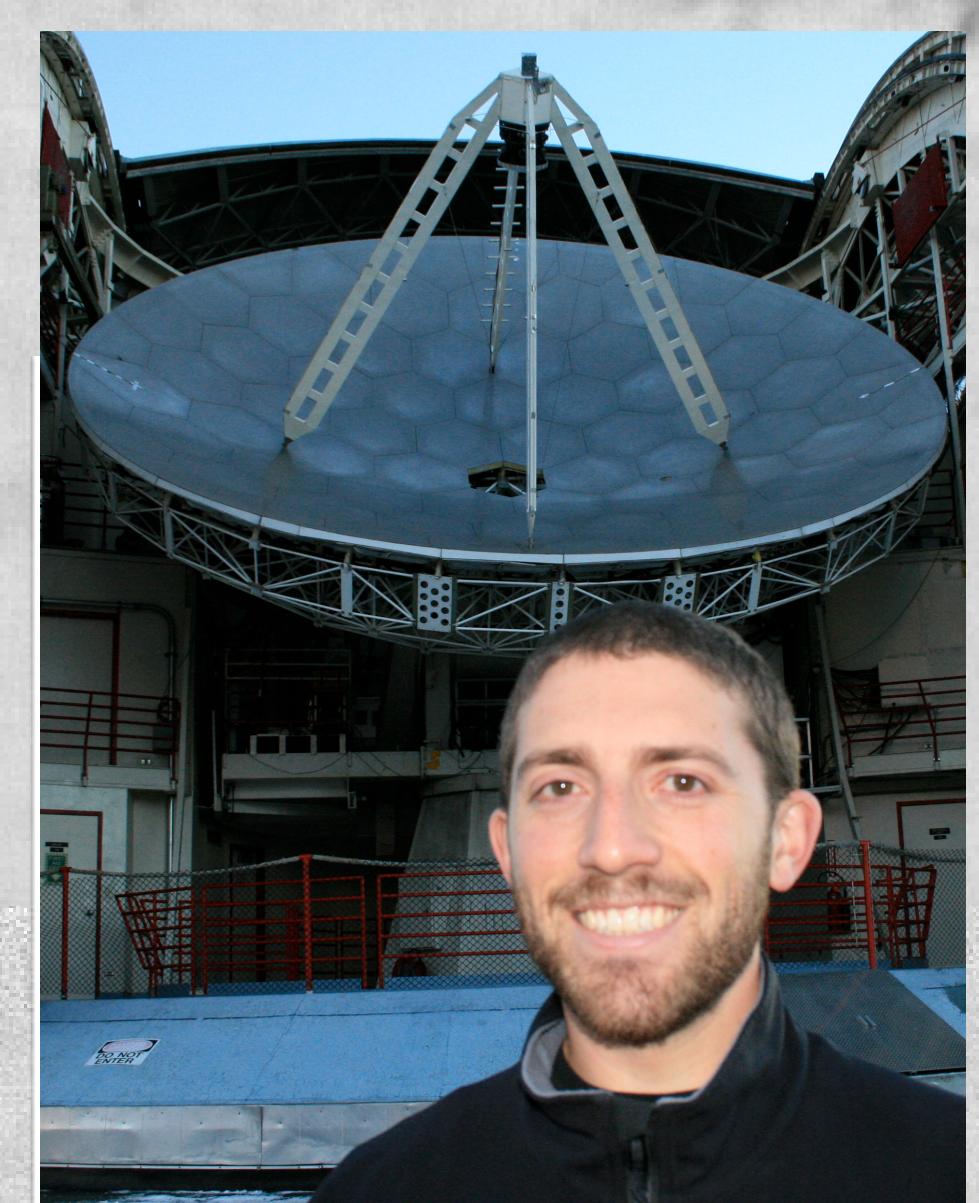
HARP CO 3-2



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See also posters by Cara Battersby,  
Wayne Schlingman, and Marc Eimers,  
and talk by Miranda Dunham

Data available at [http://irsa.ipac.caltech.edu/data/  
BOLOCAM\\_GPS/](http://irsa.ipac.caltech.edu/data/BOLOCAM_GPS/) and featured at <http://third.ucllnl.org/gps/>

$\ell=30$

## Publications:

- I. Survey Description and Data Reduction - Aguirre et al 2010
- II. Catalog of the Image Data - Rosolowsky et al 2010
- III. Characterizing Physical Properties of Massive Star-Forming Regions in the Gemini OB1 Molecular Cloud - Dunham et al 2010
- IV. Dust Continuum Emission in the Galactic Center Region - Bally et al 2010