

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

Adam Ginsburg and the BGPS team

$\ell=12$

$\ell=10$

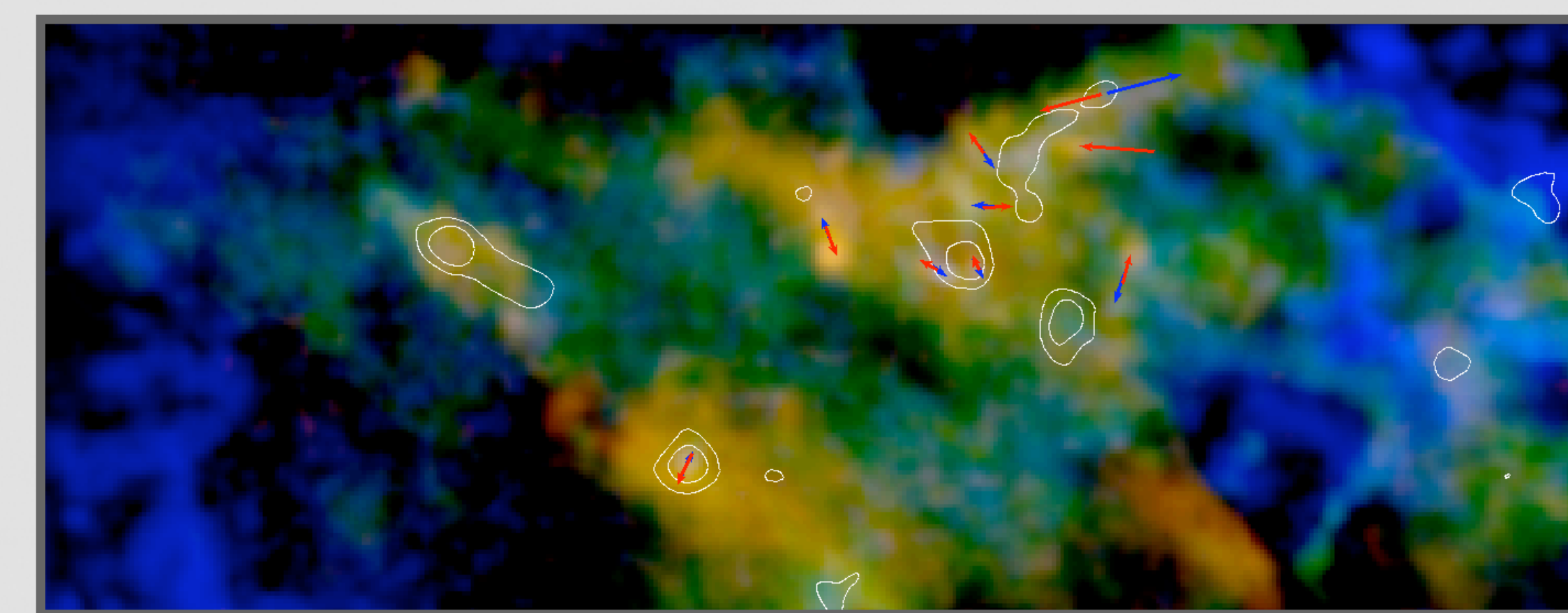
- 1.1mm continuum traces optically thin dust
- 33" beam shows the dense ($n \sim 10^{3-4} \text{ cm}^{-3}$) component of GMCs at 1-10 kpc

SHARC-II 350 μm

NGC 7538

- 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/ 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

