

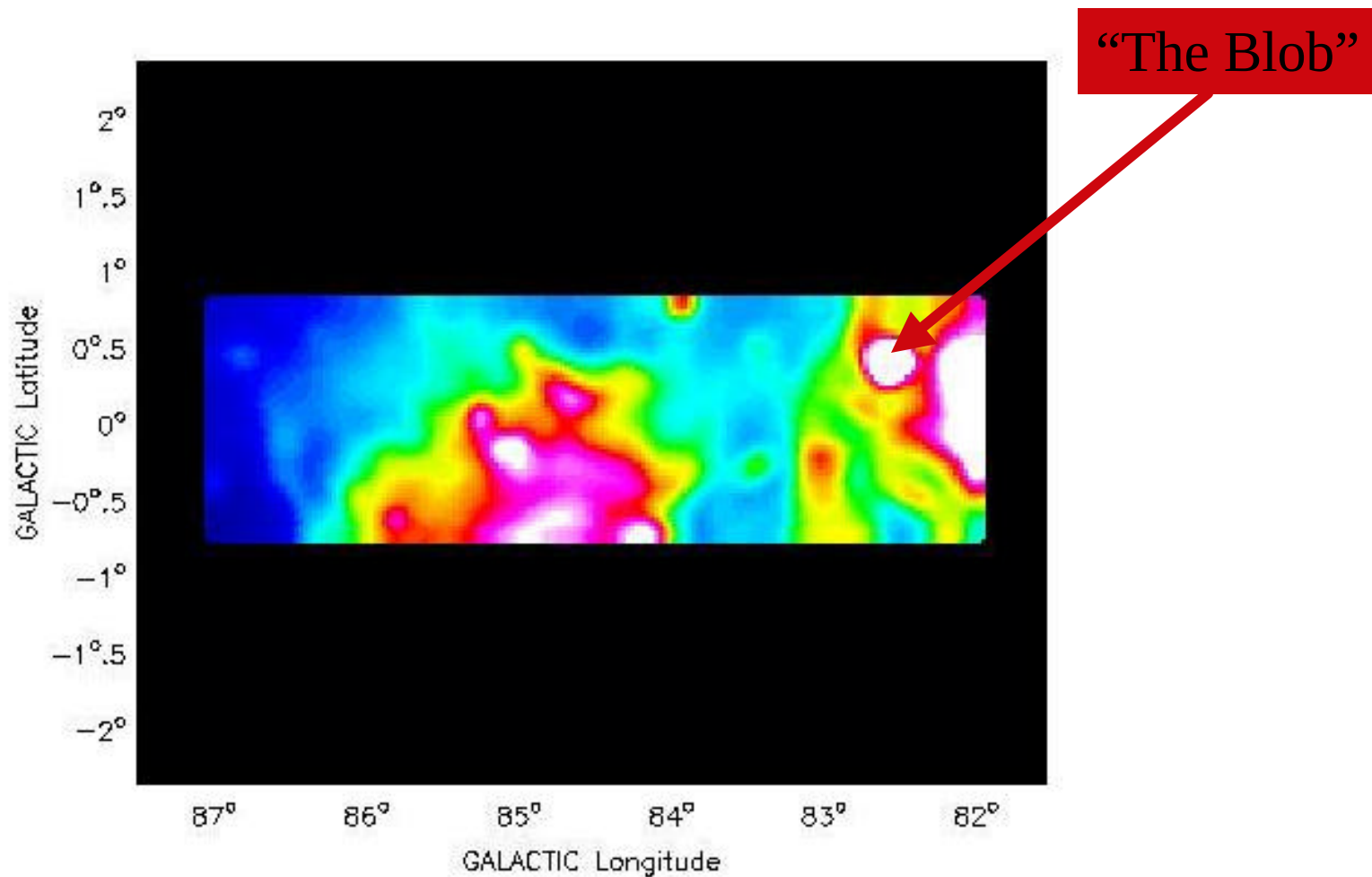
GBT REU STUDENT GROUP

Continuum Mapping with the GBT

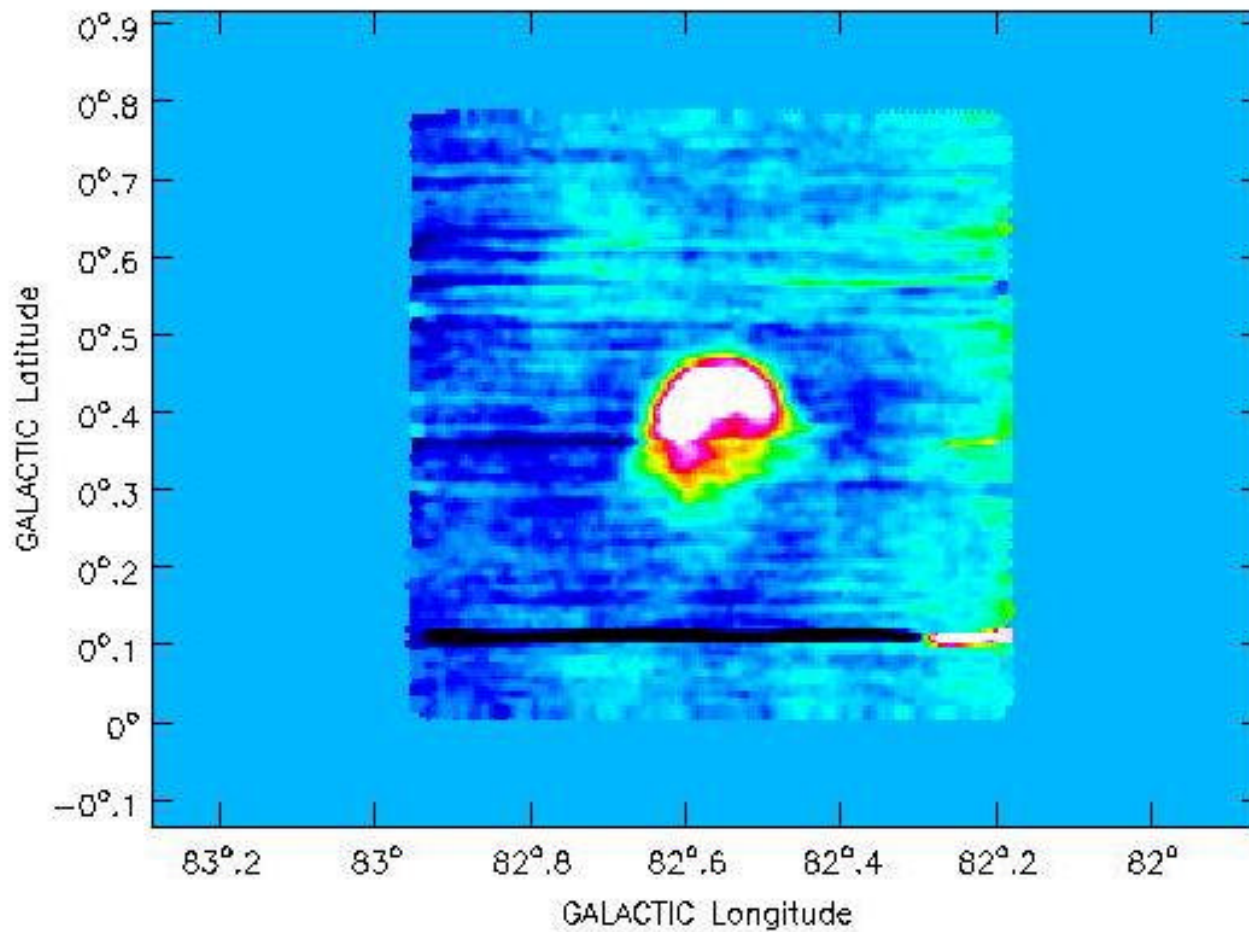


GBT OBSERVATION INSTRUCTOR: Brian Mason

L Band Map



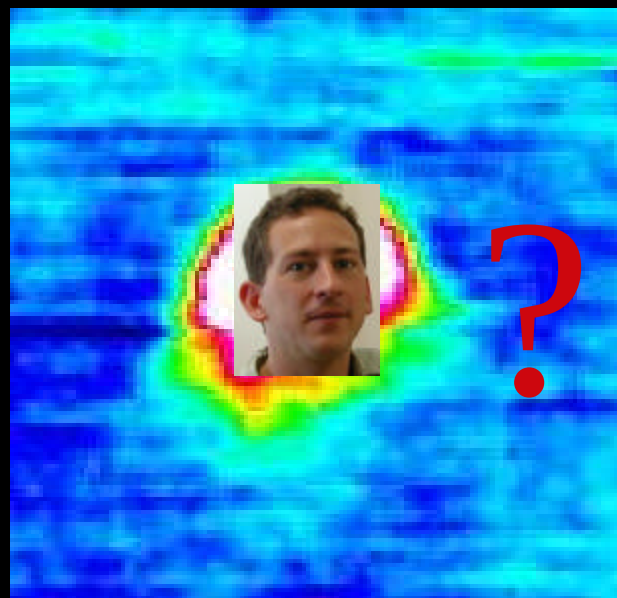
X Band Map



Measurements

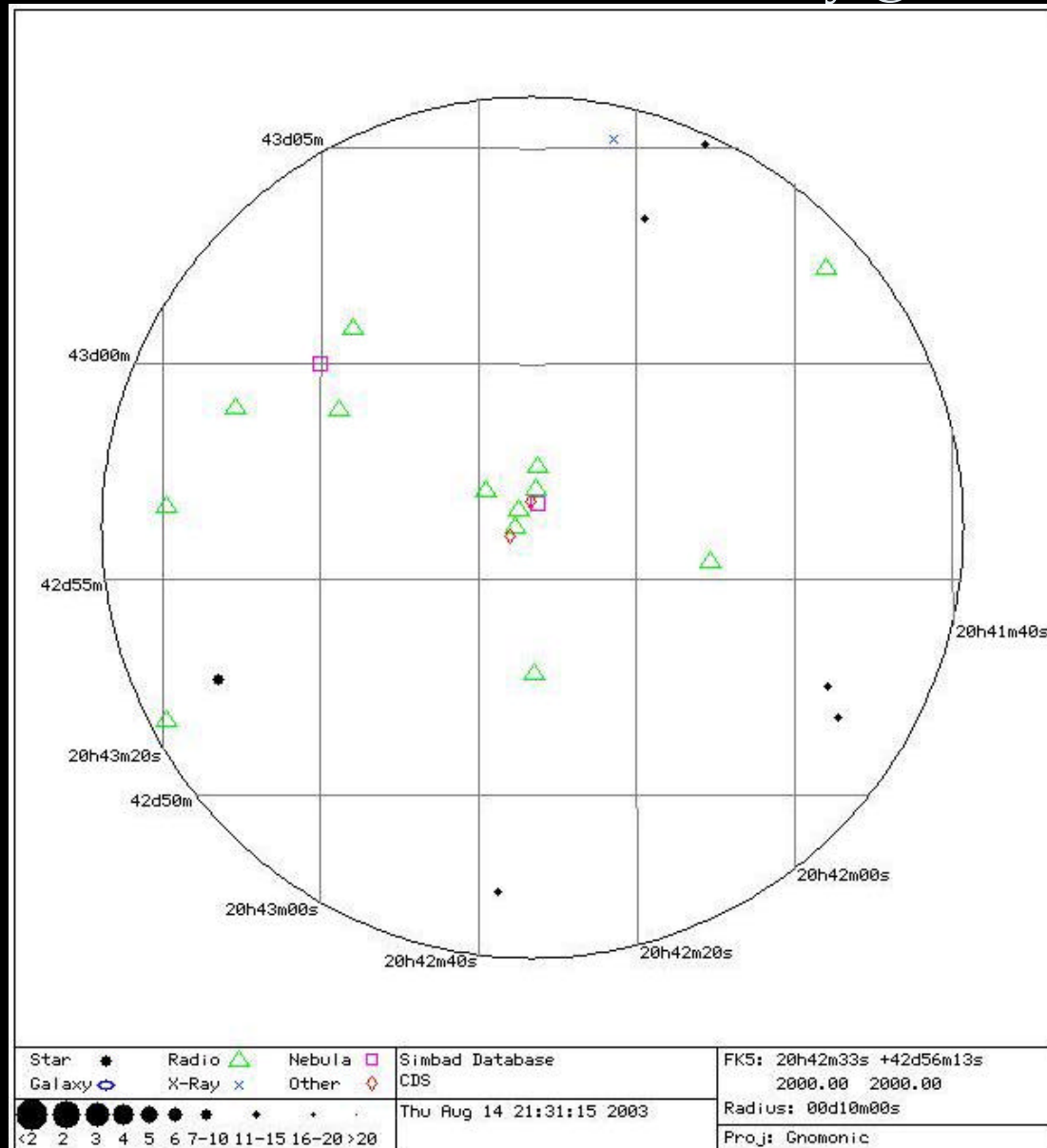
- RMS in L band map = 8.72 Jy/beam
- RMS in X band map = 0.033 Jy/beam
- L band: $S \sim 15.72$ Jy
- X band: $S \sim 13.95$ Jy
- Spectral Index ~ -0.064

Source Identification: What is the “blob”?



Source Identification:

Langston Mintor et al. First Galactic Plane Survey @ 8.35 and 14.35 GHz



LMD200b

