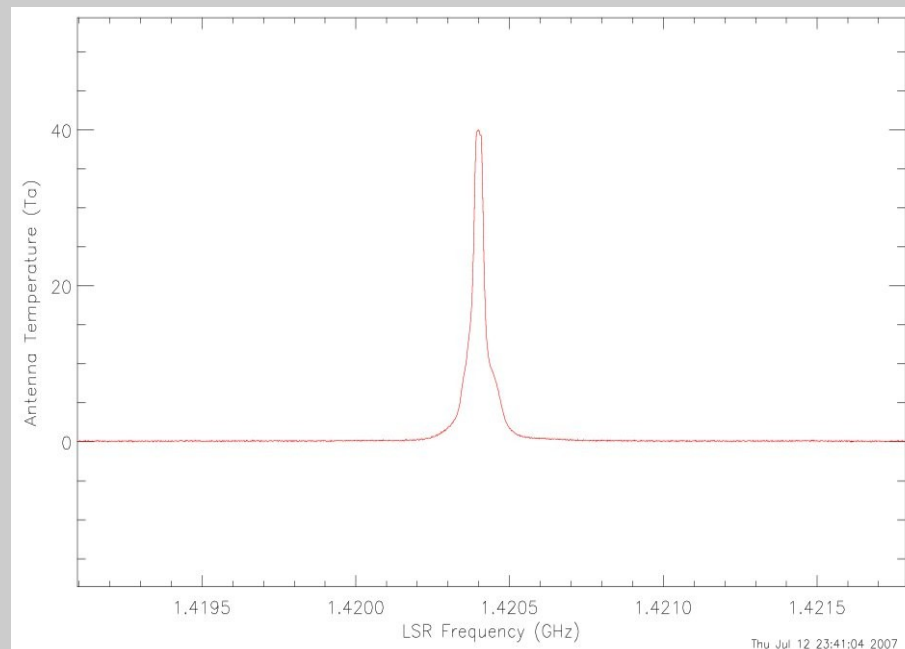


First Science Results From:

Green Bank Galactic HI Partial-Sky Drift Scan Survey (GBGHIPSDSS)



Goals:

- 1) Determine the properties of HI in our Galaxy.
- 2) Serendipitously detect OH maser and recombination lines.

Parameters:

Frequency switched by 3 MHz

4 windows:

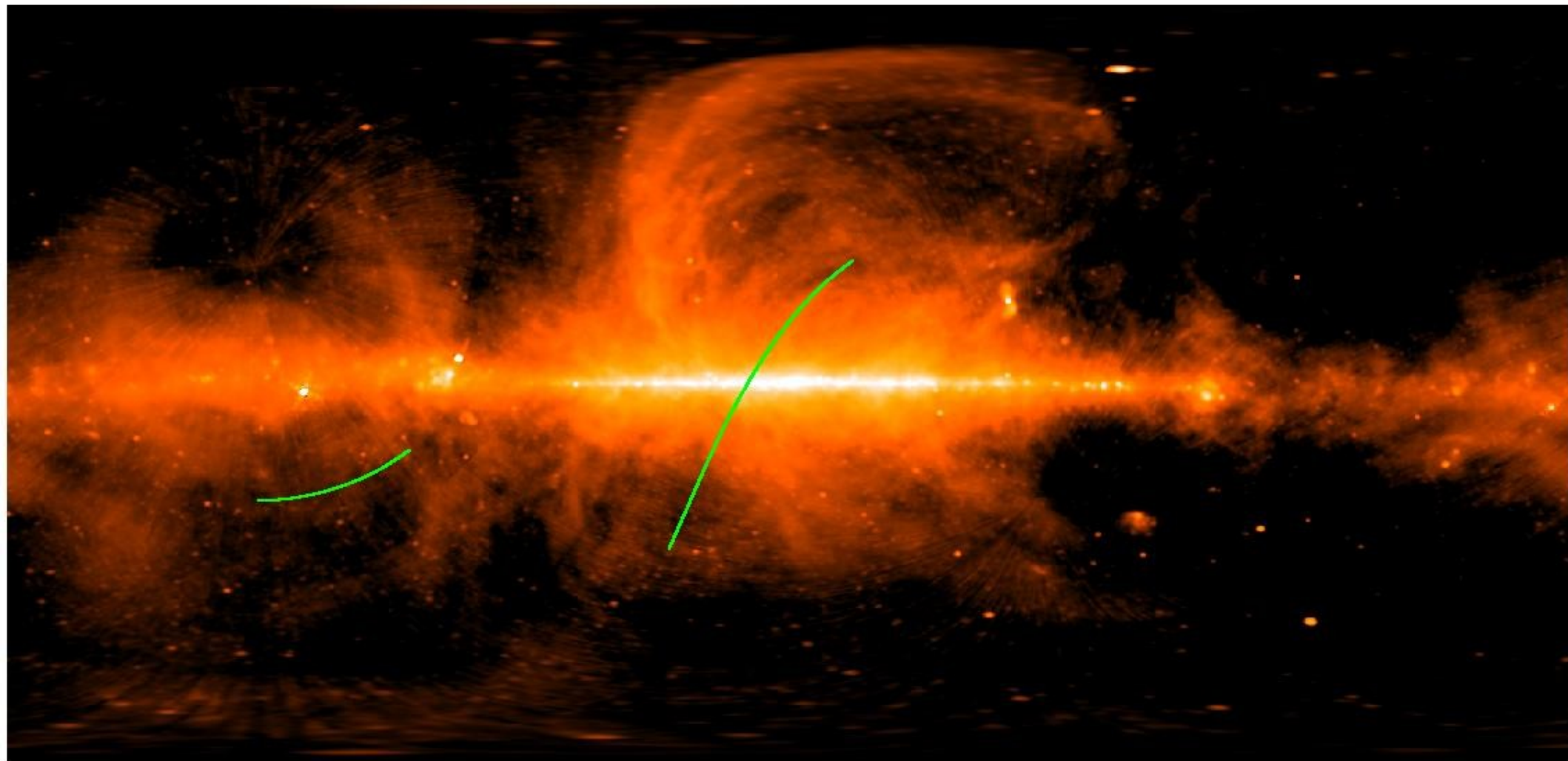
- 1) 1420 MHz (HI & recomb. line at 1424 MHz)
- 2) 1667 MHz (OH masers at 1667 and 1665 MHz)
- 3) 1612 MHz (OH maser)
- 4) 1720 MHz (OH maser & recomb. line at 1715 MHz)

12.5 MHz bandpass with ~8000 channels per window
-> 0.3 km/s resolution

5 minute scans read out every 10 seconds
-> 3000 spectra

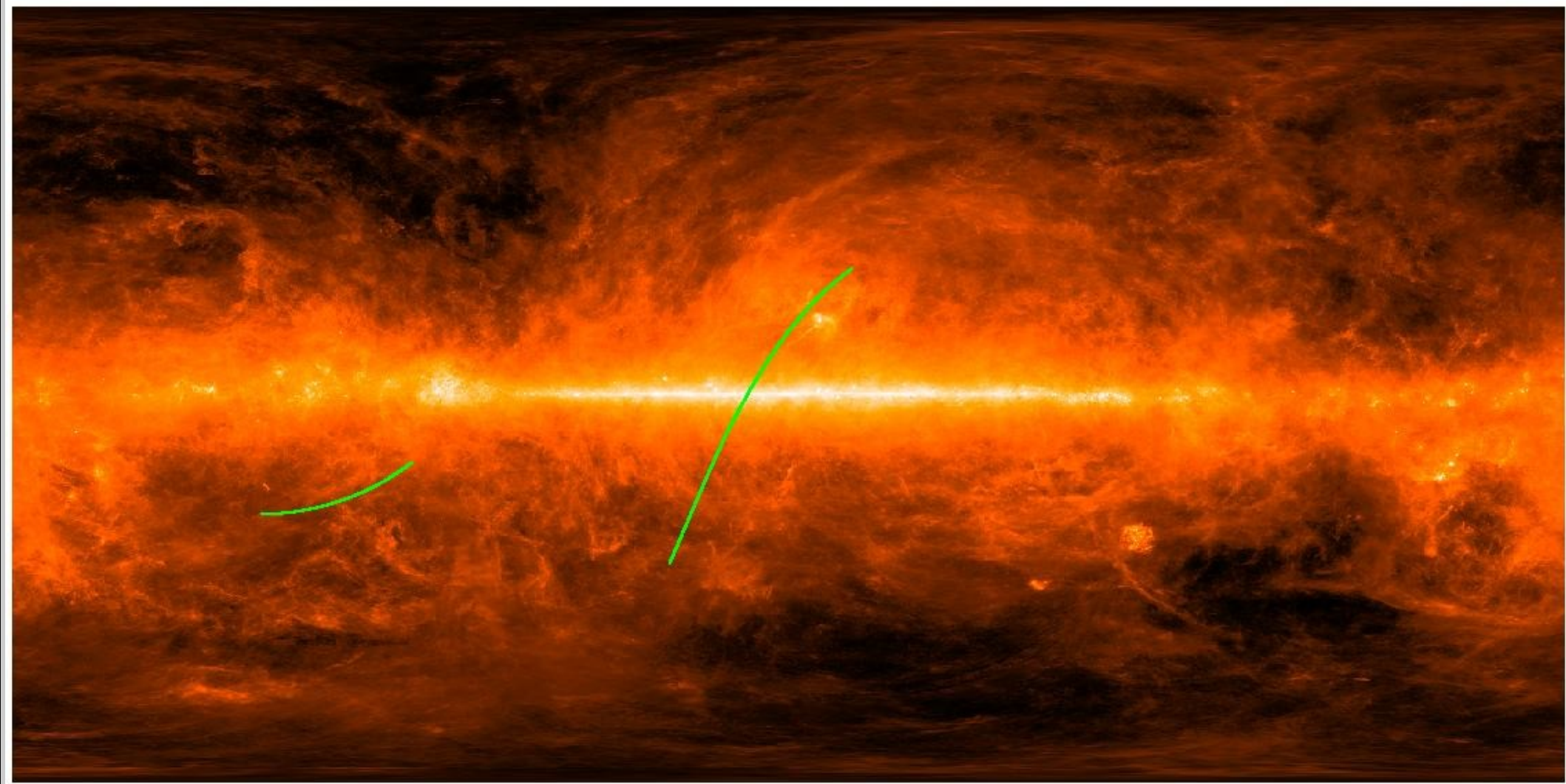
9' beam

Sky Coverage



Bonn 408 MHz Continuum Survey

Sky Coverage



IRAS 100 μm