

A large radio telescope dish, part of the Green Bank Telescope, is the central focus of the image. It is a massive, white, lattice-structured parabolic dish pointing towards the sky. In the foreground, three people are visible: two men standing and talking, and one person on a bicycle. The background shows a green field, a small building, and a line of trees under a blue sky with scattered white clouds.

CONTINUUM OBSERVATIONS of the GALACTIC CENTER

Project # TSDSS2AB_01

PRESENTERS

(alphabetical order)

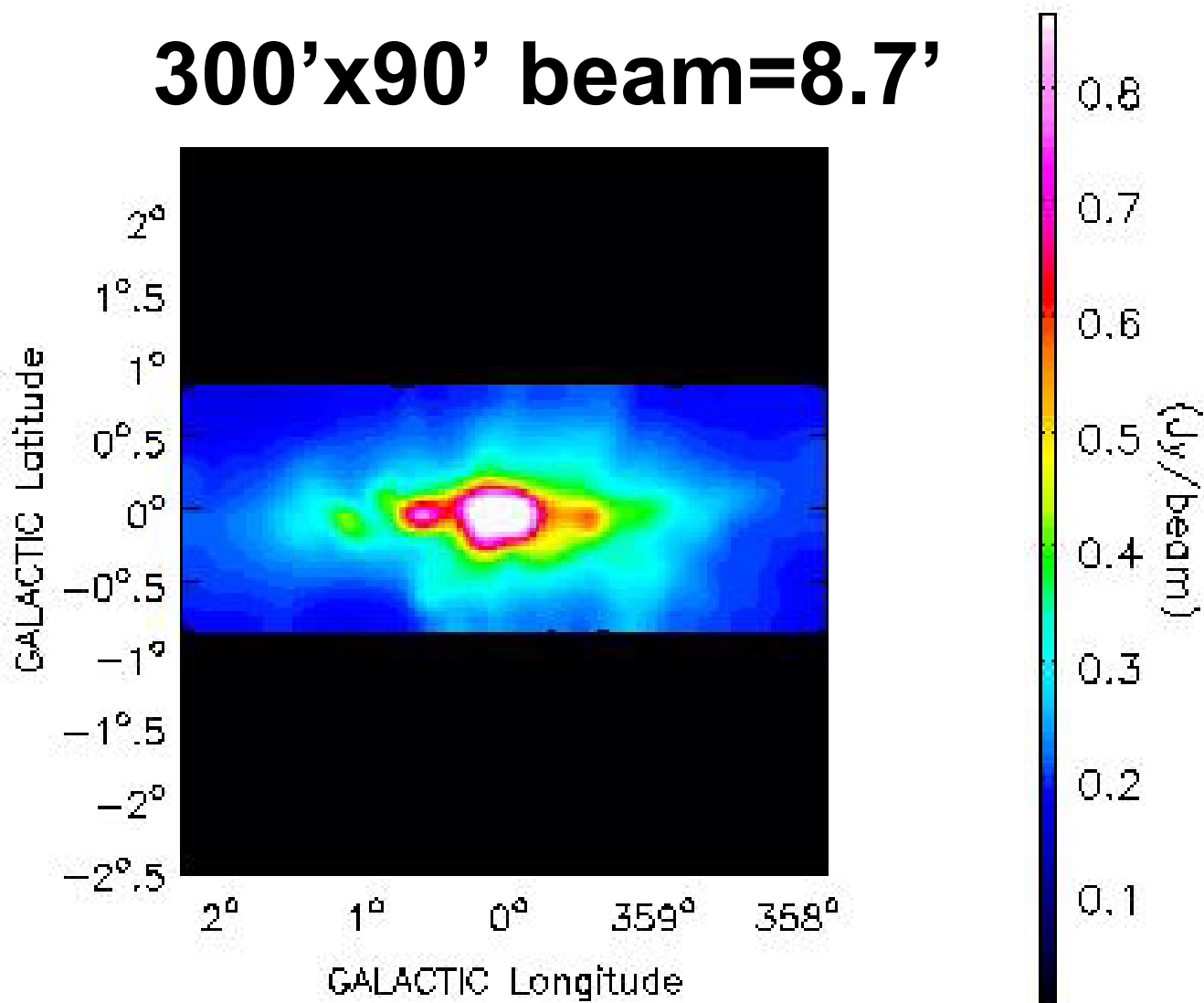
Carmen Blasco, Clayton Hogen,
Cheung Chung Hung,
Marek Jamrozy, Ibrahim Kucuk,
Yutaka Shiratori, Sebastian Soberski

Data

- L-Band beam = 8.7 arcminutes
- X-Band beam = 1.4 arcminutes
- Central Position = $0^{\circ}, 0^{\circ}$ (ℓ, b)
- L-Band RMS = $0.3 \text{ Jy/arcminute}^2$
- X-Band RMS = $10.7 \text{ Jy/arcminute}^2$

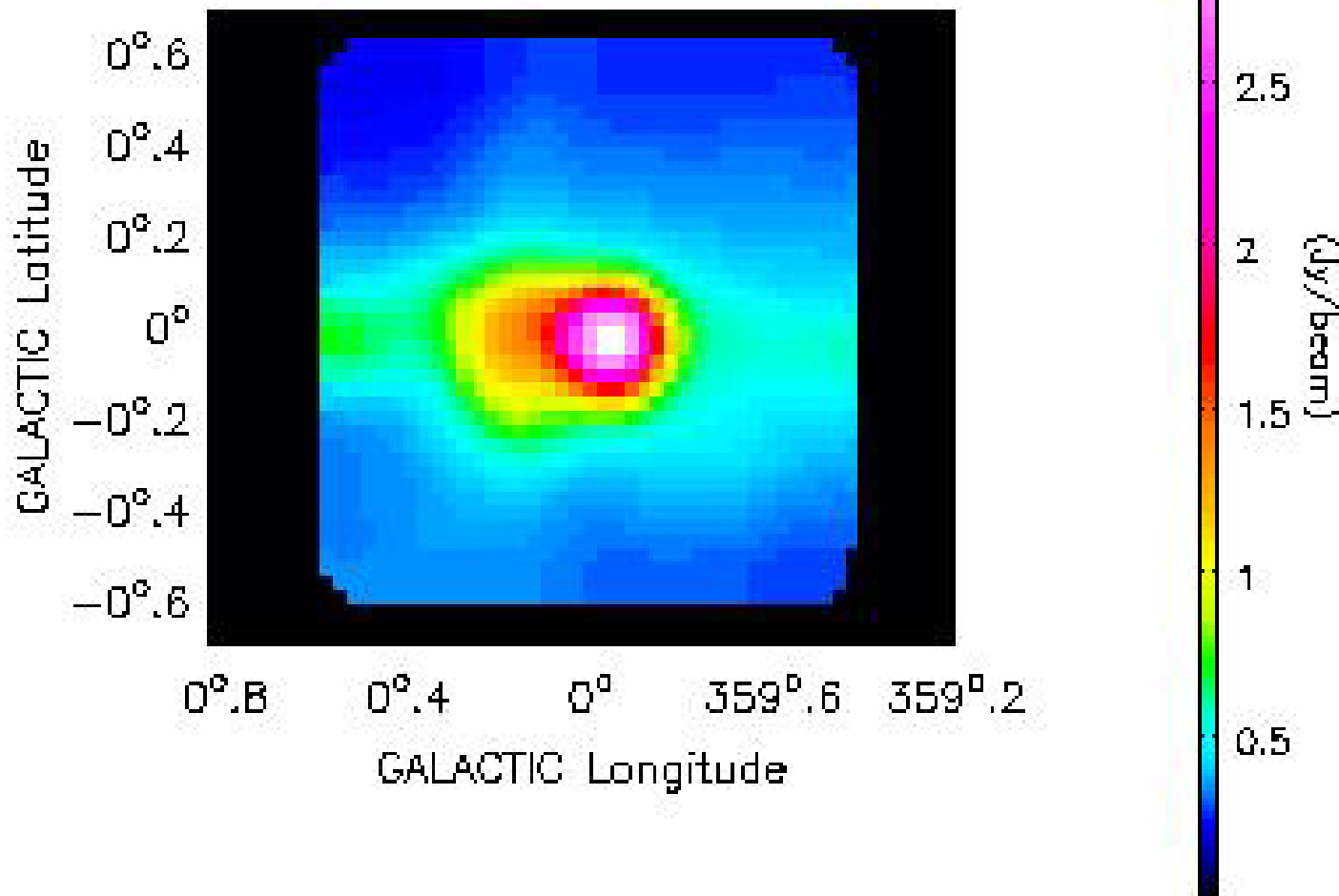
Galactic center – 1420MHz

300'x90' beam=8.7'



Galactic center – 1420MHz

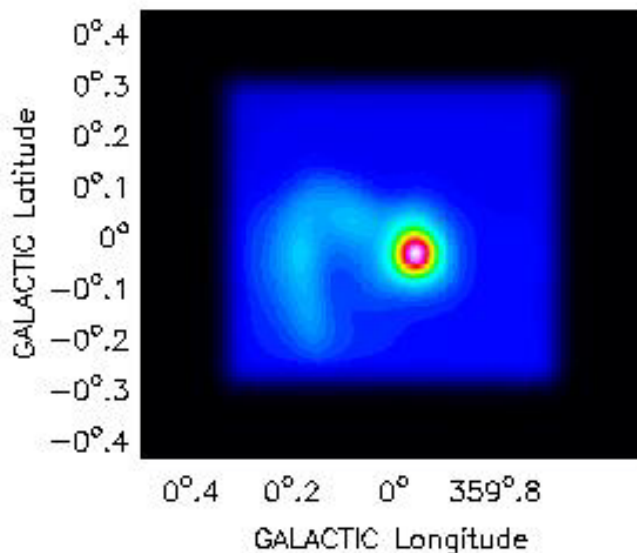
40'x40' beam=8.7'



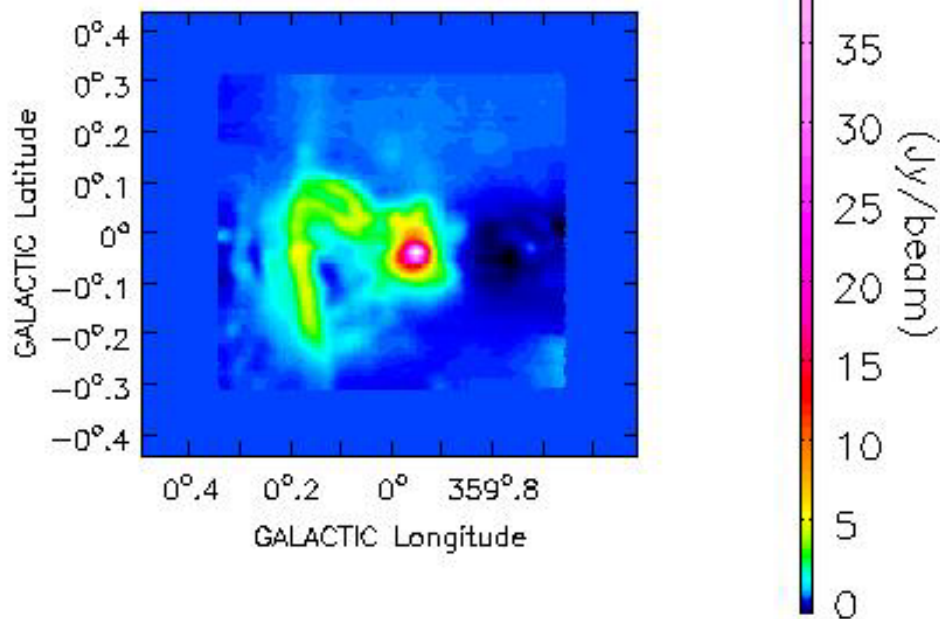
Galactic center – 9000MHz

40'x40'

Beam= 8.7arcmin



Beam= 1.4arcmin



Results

Spectral Index = 0.05



(SHOWN BY ARROWS)