



GBT Remote Observing Workshop

Virtual Workshop

February 16-18, 2021



- Welcome to the Green Bank Observatory! *(kind of)*
- Located in the “National Radio Quiet Zone”, protected from radio interference.
- Come visit and explore the grounds
 - Trail maps available upon request
 - No electronic devices near the telescopes (past the gate)
 - Be aware of wildlife
- Gift shop/science center open online
 - 10% off coupon in Informational email



Goals for the Workshop

- Become familiar with GBT observing modes and user interfaces
- Practice standard data reduction techniques
- Learn how to observe remotely
 - ...*But come visit in person some day!*

Schedule

- 9 am – 4:30 pm EDT on Wed & Thurs
 - Lectures and Observation Prep
 - We're on the same Zoom for everything
- 5:00 pm – 1 am on Wed & Thurs
 - GBT Observations (Two hour blocks)

Friday Activities:

9 am – 12:30 pm : Data Reduction Session

1:30 pm – 3:00 pm : Project Presentations (Each Group)

| A | B | | C | D | E | |
|-------|---|---------------------------------|---|--|--------|--|
| | Wednesday | | | Thursday | Friday | |
| | Feb 16 | | | Feb 17 | Feb 18 | |
| 9:00 | Welcome <i>(Jim Jackson & Will Armentrout)</i> | | Continue Data Reduction & Observing Preparation w/ Project Friends VLBI Discussion (Optional) 10:00-10:30 <i>(Tapasi Ghosh)</i> | Data Reduction w/ Project Friends | | |
| 9:30 | The Green Bank Telescope <i>(David Frayer)</i> | | | | | |
| 10:00 | | | | | | |
| 10:30 | Break (10:30-11 am) <i>GBO Account Information Distributed</i> | | Break (10:30-11 am) | Break (10:30-11 am) | | |
| 11:00 | Introduction to Astrid and Cleo <i>(Brenne Gregory & Amber Pisano)</i> | | GBT Dynamic Scheduling System <i>(Will Armentrout & Toney Minter)</i> | Data Reduction w/ Project Friends | | |
| 11:30 | | | Review of High Freq. GBT Corrections <i>(Emily Moravec)</i> | | | |
| 12:00 | | | | | | |
| 12:30 | Lunch Break (12:30-1:30 pm) | | Lunch Break (12:30-1:30 pm) | Lunch Break (12:30-1:30 pm) | | |
| 13:00 | | | | | | |
| 13:30 | Green Bank Computing Environment - Linux, IDL, etc. <i>(Larry Morgan)</i> | | GBT Public Relations <i>(Jill Malusky)</i> | Project Presentations <i>(Participants)</i> | | |
| 14:00 | Spectral Line & Continuum Reduction (Pedro) | Pulsar Data Reduction (Ryan) | How to Prepare & Submit a GBT Proposal <i>(Jesse Bublitz)</i> | | | |
| 14:30 | | | Frequently Asked Questions <i>(Amber Pisano & Andrew Seymour)</i> | | | |
| 15:00 | Break (3-3:30 pm) | | Break (3-3:30 pm) | <i>All times are EST (UTC - 5)</i> | | |
| 15:30 | Group Observing Preparation w/ Project Friends | | Group Observing Preparation w/ Project Friends | | | |
| 16:00 | | | | | | |
| 16:30 | | | | | | |

Observing Accounts

- If we have a new account for you, I'll send you a message over Zoom with your account information.
- Two Options to Log In
 - (1) Login using “ssh [username]@ssh.gb.nrao.edu”
 - (2) Use “FastX” -- Link included in welcome email.
- Change password with “passwd” command (**on your first login**)



GREEN BANK OBSERVATORY

greenbankobservatory.org

*The Green Bank Observatory is a facility of the National Science Foundation
operated under cooperative agreement by Associated Universities, Inc.*