

# Green Bank Telescope Observer Training Workshop

May 15 -- 19, 2017

Green Bank Observatory, WV

## Sunday May 14

Arrival

## Monday May 15

07:30-08:30 Breakfast

09:00-09:15 Welcome to Green Bank and the Quiet Zone (Karen O'Neil)

09:15-10:00 Science with the GBT (Jay Lockman)

10:00-10:30: Coffee Break

10:30-11:15: Radio Telescope Fundamentals (Frank Ghigo)

11:15-12:00: GBT Observing Methods and Strategies (David Frayer)

12:15-13:00: Lunch

13:15-14:00: Introduction to Astrid and CLEO (Ryan Lynch)

14:00-14:45: GBT Observing Scripts (Frank Ghigo)

14:45-15:00: Coffee Break

15:00-15:30: Project Descriptions and Group Organization

15:30-17:30: Group Breakout Sessions -- GBT Observing Preparations

17:30-18:30 Dinner

17:00-:00 GBT Observing Session #1

(Tuesday morning can be swapped depending on maintenance schedule)

## Tuesday May 16

07:30-08:30: Breakfast

08:45-10:45: GBT Tour (Science Staff)

11:00-11:35: Electronics Lab Tour (Electronics Staff)

11:40-12:15: Shop & GBT Control Room (Shop Staff/Science Staff)

12:15-13:00: Lunch

13:15-14:00: Radio Telescope Instrumentation (Richard Prestage)

14:00-16:00: GBTIDL Data Reduction and GBT Pipeline (David Frayer)

14:00-16:00: Pulsar Presto Reduction (Ryan Lynch and Natalia Lewandowska)

16:00-17:00: Group Breakout Sessions (Discussion of previous night's observing, prep for second session)

17:30-18:30: Dinner

19:45-23:45 GBT Observing Session #2

**Wednesday May 17**

07:30-08:30: Breakfast  
09:00-09:45: CLEO (Ron Maddalena)  
09:45-10:15: Coffee Break  
10:15-11:00: Telescope Control Systems (Richard Prestage)  
12:15-13:00 Lunch  
13:15-14:00: GBT Sensitivity Calculator and Mapping Calculator (Ron Maddalena)  
14:00-17:00 Group Breakout Sessions (Data Reduction and Analysis)  
17:30-18:30 Dinner  
16:30-20:30 GBT Observing Session #3

**Thursday May 18**

07:30-08:30: Breakfast  
09:00-09:30: The Proposal Submission Tool (Jennifer Weston)  
09:30-10:00: Remote Observing (Nichol Cunningham)  
10:00-12:00: Remote Observing Practical  
12:15-13:00: Lunch  
13:15-17:00: Group Breakout -- Final Data Reduction and Presentation Prep  
17:30-18:30: Dinner  
16:30-20:30 GBT Observing Session #4

**Friday May 19**

07:30-08:30 Breakfast  
09:00-09:45: Proposal Writing Tips (Ryan Lynch)  
09:45-10:15: Coffee Break  
10:15-11:00: Observing FAQ and Avoiding Common Mistakes (GBT Postdocs)  
11:00-12:00: Using the GBT with Other Telescopes (Nichol Cunningham)  
12:15-13:00 Lunch  
13:15-14:15: Group Presentations  
14:15-14:30: Coffee Break  
14:30-15:30: Group Presentations (cont.)  
15:30-16:00: Wrap-up  
16:30: Cookout at the Rec Area

**Saturday May 20**

Departure