



Dynamic Scheduling with the GBT

**The Path Forward:
Challenges to Scheduling**



Scheduling Issues

1. Fixed Sessions (VLBI)
2. Receiver Availability
3. Overhead Time
4. Exceptions to the System



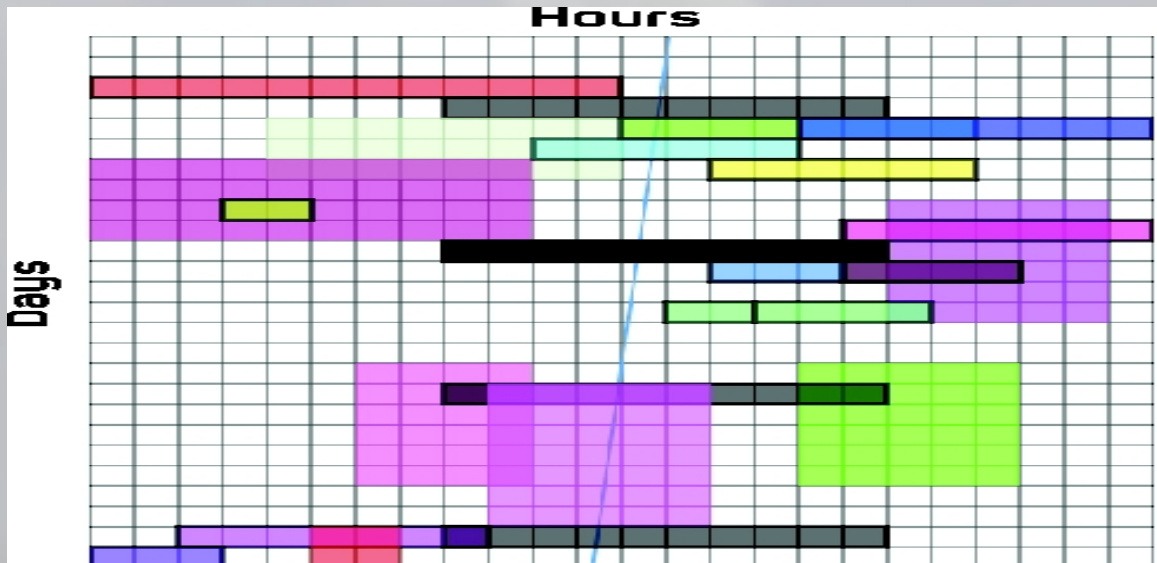
Fixed Sessions (VLBI)

1. GBT + VLBA:
 - Incorporate VLBA into the scoring algorithm
2. GBT + VLBA + others (HSA):
 - Fixed-day or paired-day scheduling



Receiver Availability

1. Visualization Software

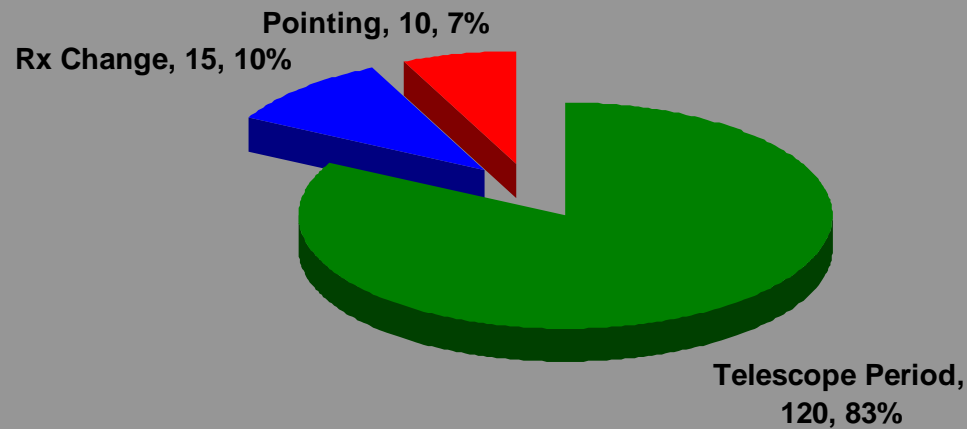


2. Simulations

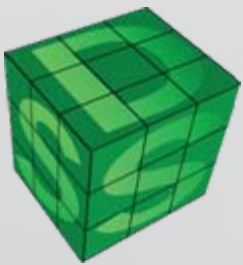
- Reveal potential conflicts
- Optimize observing efficiency



Overhead Time



1. Modify Gregorian feed turret
2. Include in scheduling algorithm



Exceptions to the System

1. Solar System objects
2. Horizon-to-horizon observing
3. Schedule tied to phase of source
4. Etc.

→ Solve automatically or manually



Questions?