

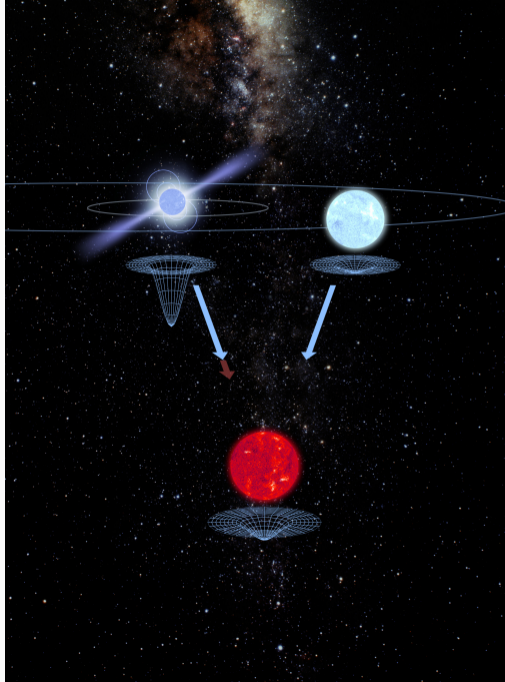
# Timing a Stellar Triple System

Lessons for precision pulsar timing

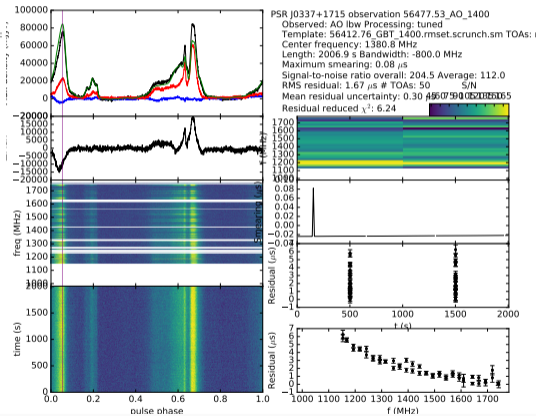
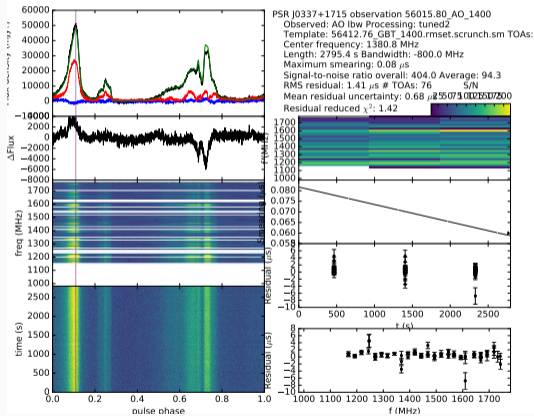
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**Anne Archibald**, Nina Gusinskaia, Jason Hesses, Adam Deller, David Kaplan, Duncan Lorimer, Ryan Lynch, Scott Ransom, and Ingrid Stairs

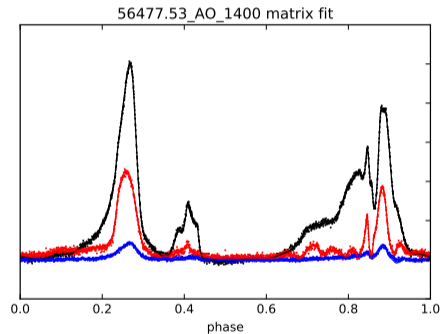
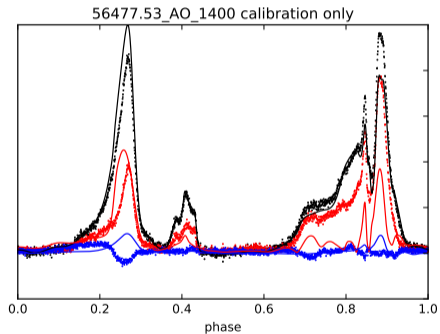
2020 October 29



# Summary plots

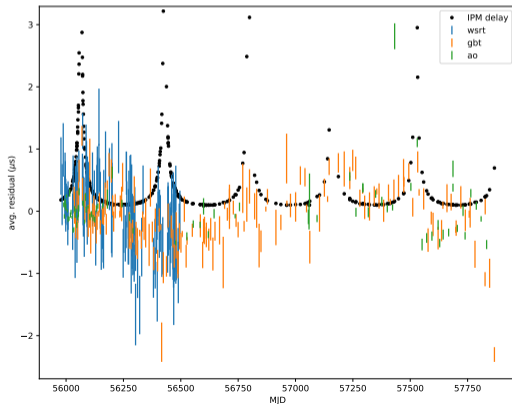


# Polarization structure



# Effects of the interplanetary medium

The ecliptic latitude of our source is only 2.1 degrees, so our line of sight passes close to the Sun every March. Using a simple model of the IPM, and assuming a density of 10 electrons per cubic centimeter at 1 AU, we obtain:



# Lessons for NANOGrav?

- Summary plot format
- Smearing estimation (?)
- Müller matrix fitting
- IPM handling

