

Brief Updates: PSET1 Symposium, gridding3

Sofia Sheikh - 04/21/2022

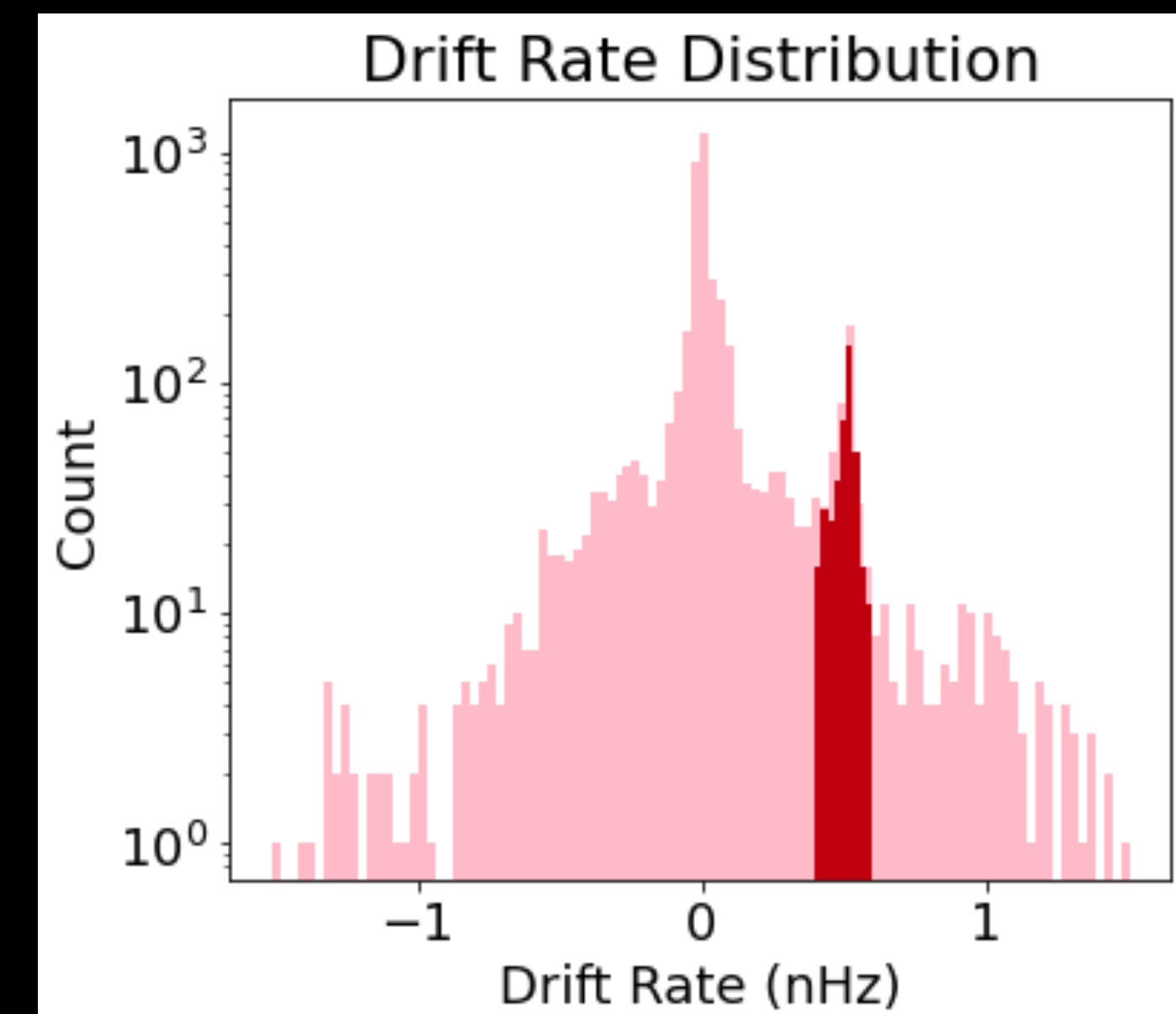
PSETI Symposium 2022

<https://sites.psu.edu/setisymposium2022/>

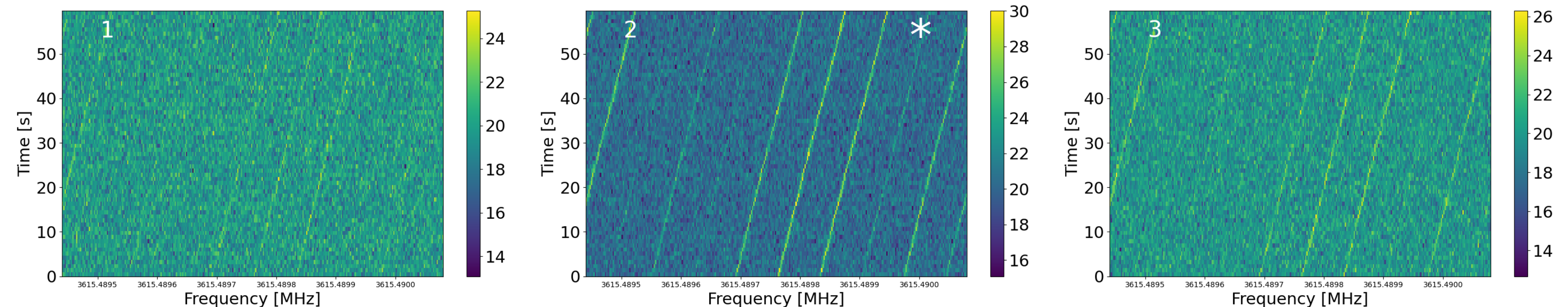
- June 27-30 in State College, PA
- Hosted by the Penn State Extraterrestrial Intelligence Center (PSETI)
- Biggest technosignature conference of the year!
- I'm the SOC chair
- We should make sure to have a strong ATA presence!
- At the very least, I'm definitely going and can give an overview of current ATA activities

An update on the drifting cluster

- RA, Dec = 17.69 hr, -25.253°
- alt, az = 22.5°, 165°
- On MJD = 59360 (2021 May 26)
- Frequencies: 3615.4649 - 3615.5860 MHz



59360_33845_277335 ---- fstart = 3615.48944 MHz



Matching gridding3 hits to nearbystar hits

- Want to see if any of the 179 signals-of-interest in the gridding3 survey are also present in the nearby star sample
- These surveys are targeting entirely different areas of the sky, so can identify RFI this way
- Pranav did a 1 MHz match between the 179 remaining gridding3 signals and 950 nearbystar signals and found **20 matches**
- Plots are made very differently, so it's hard to tell if they're morphologically similar -> work for next week!

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