

General Update

- SPR
 - AC replacement INITIATED
- Other
 - Antenna control box retrofit
 - 2x RFSoC board delivered
 - 2x RFSoC boards next week
 - Weather station failed, replacement ordered
 - REU field trip to HCRO (Sarah will take over organization)
 - 27 of June to 3 of July
 - Agenda in prep.
 - Berkeley House:
 - Quotes for: roof, asbestos removal, windows, electric wiring, new kitchen
 - CHIME:
 - Agreement draft send to Chime
 - Need to get quotes for geotechnical survey
 - Construction permit minor modification
 - List of available equipment at HCRO
 - Antonio Feed
 - Trip to Minex this weekend
 - 2H feed 002 installed and tested
 - Diaphragm pumps not available currently
 - 3C showed failure on Monday
 - 2B needed azimuth motor replaced DONE
 - 4G needs elevation drive replaced
 - Sunbrella measurement
 - With and Without
 - Dry and Wet
 - Feed focus measurement
 - Mobile setup needed
 - Feed focus need to be tested at all antennas

- Antonio Feed Overview
 - 18 Antennas fully operational
 - 14 / 19 Antonio Feeds

Sunbrella measurements:

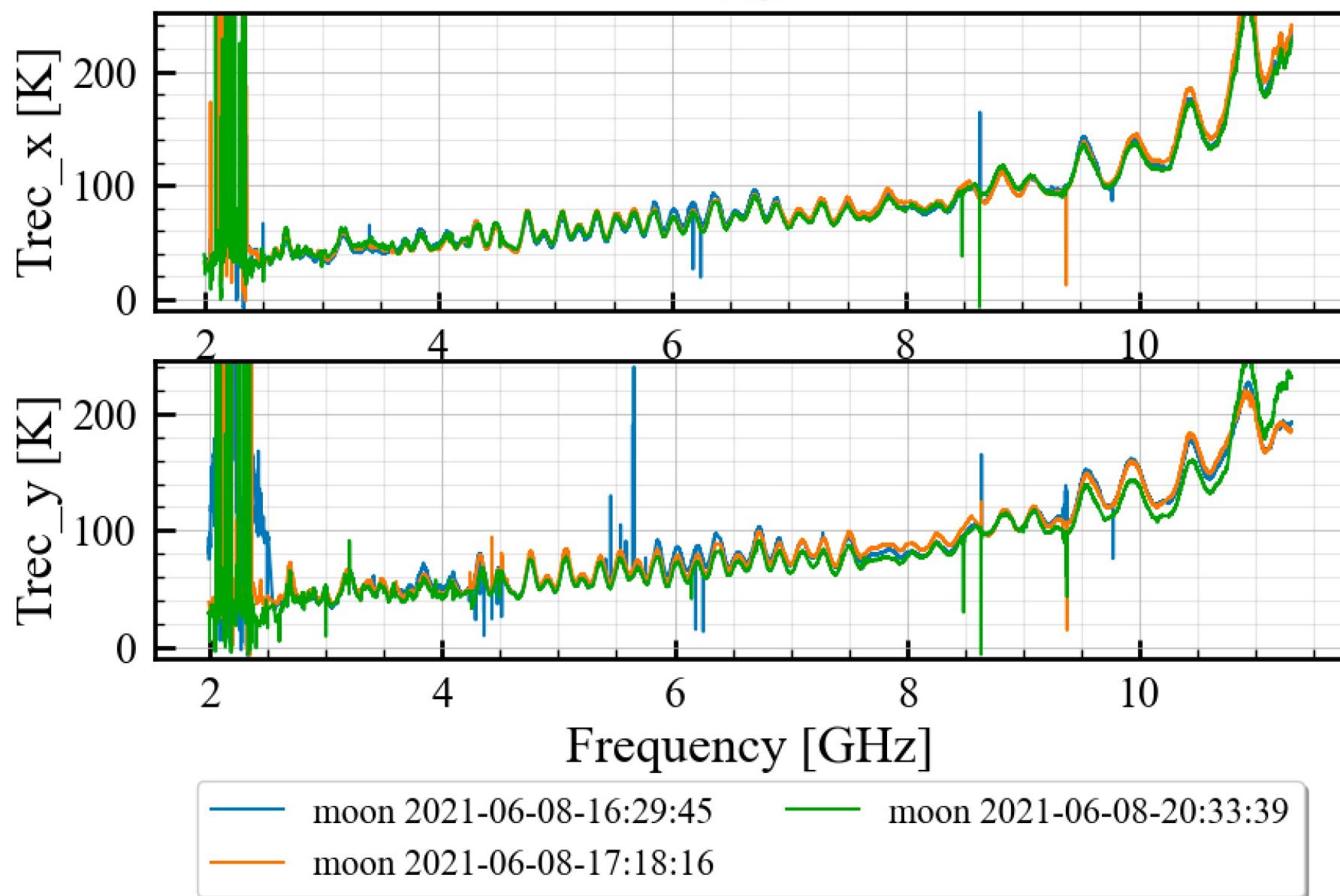
- SEFD with and without dry sunbrella



Sunbrella measurements:

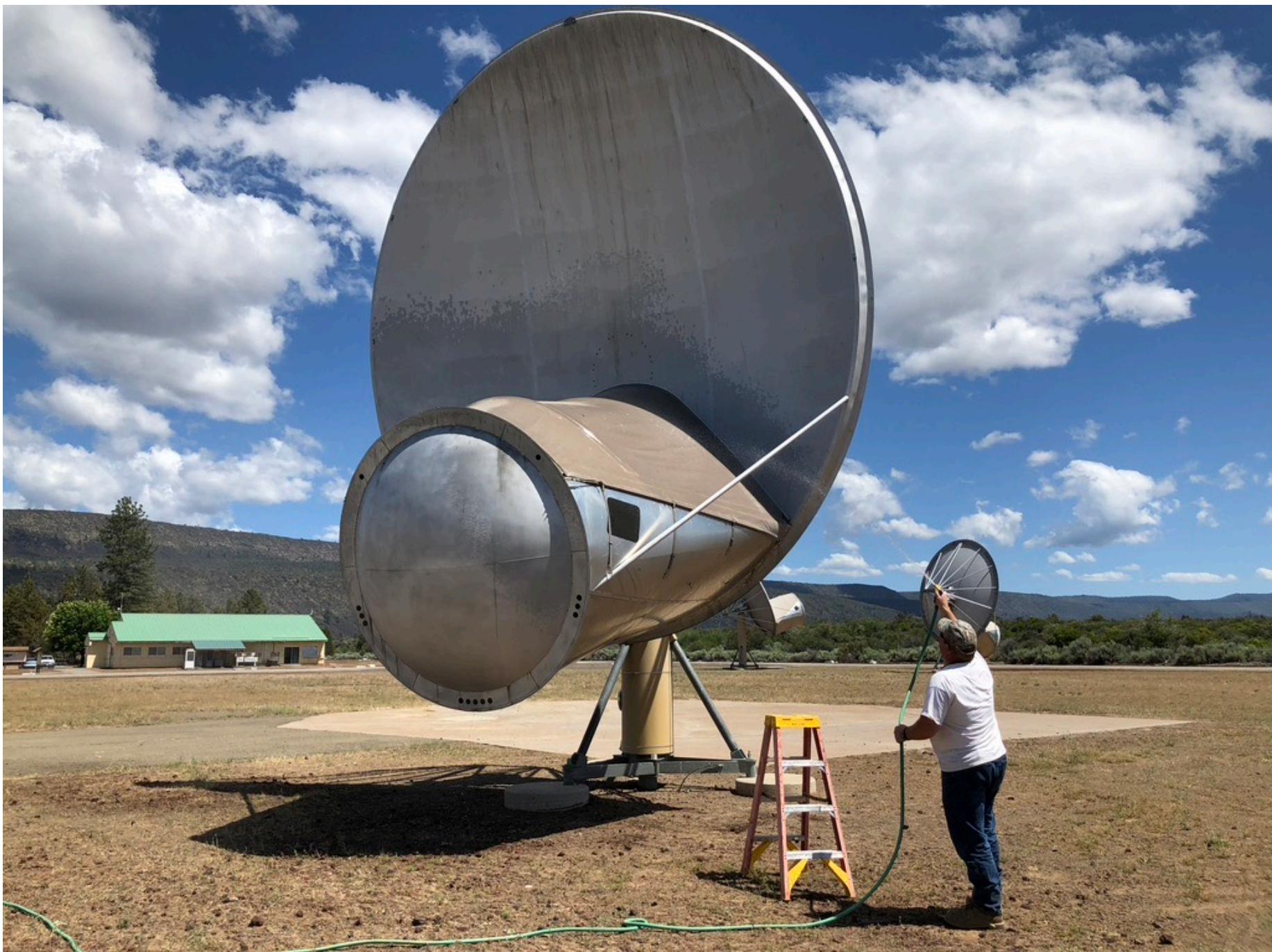
- SEFD with and without dry sunbrella
- Blue + Orange => without sunbrella
- Green => with sunbrella

2b



Sunbrella measurements:

- SEFD with wet sunbrella



Sunbrella measurements:

- SEFD with wet sunbrella



Sunbrella measurements:

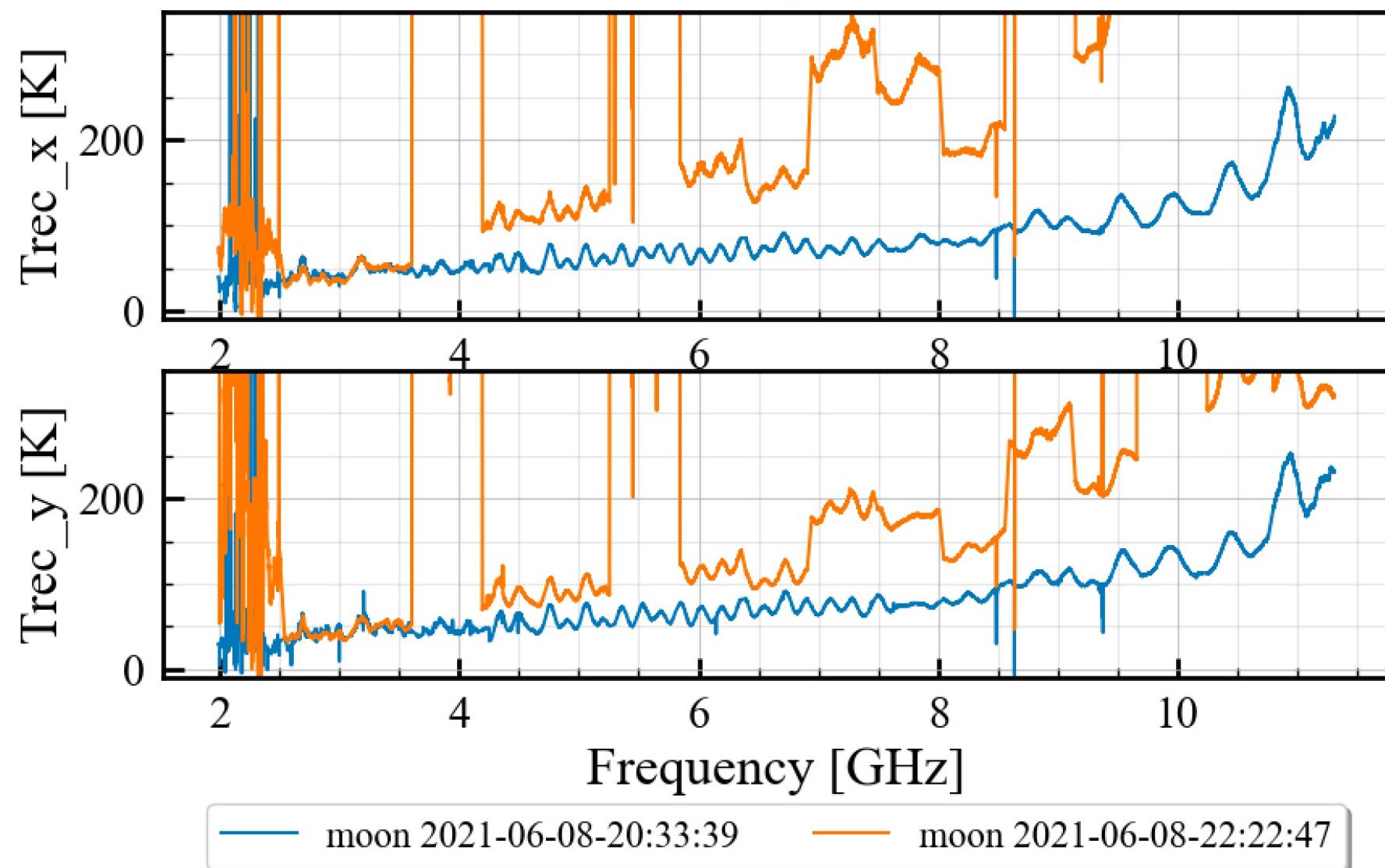
- SEFD with wet sunbrella



Sunbrella measurements:

- SEFD with dry and wet sunbrella
- Blue => dry sunbrella
- Orange => wet sunbrella

2b



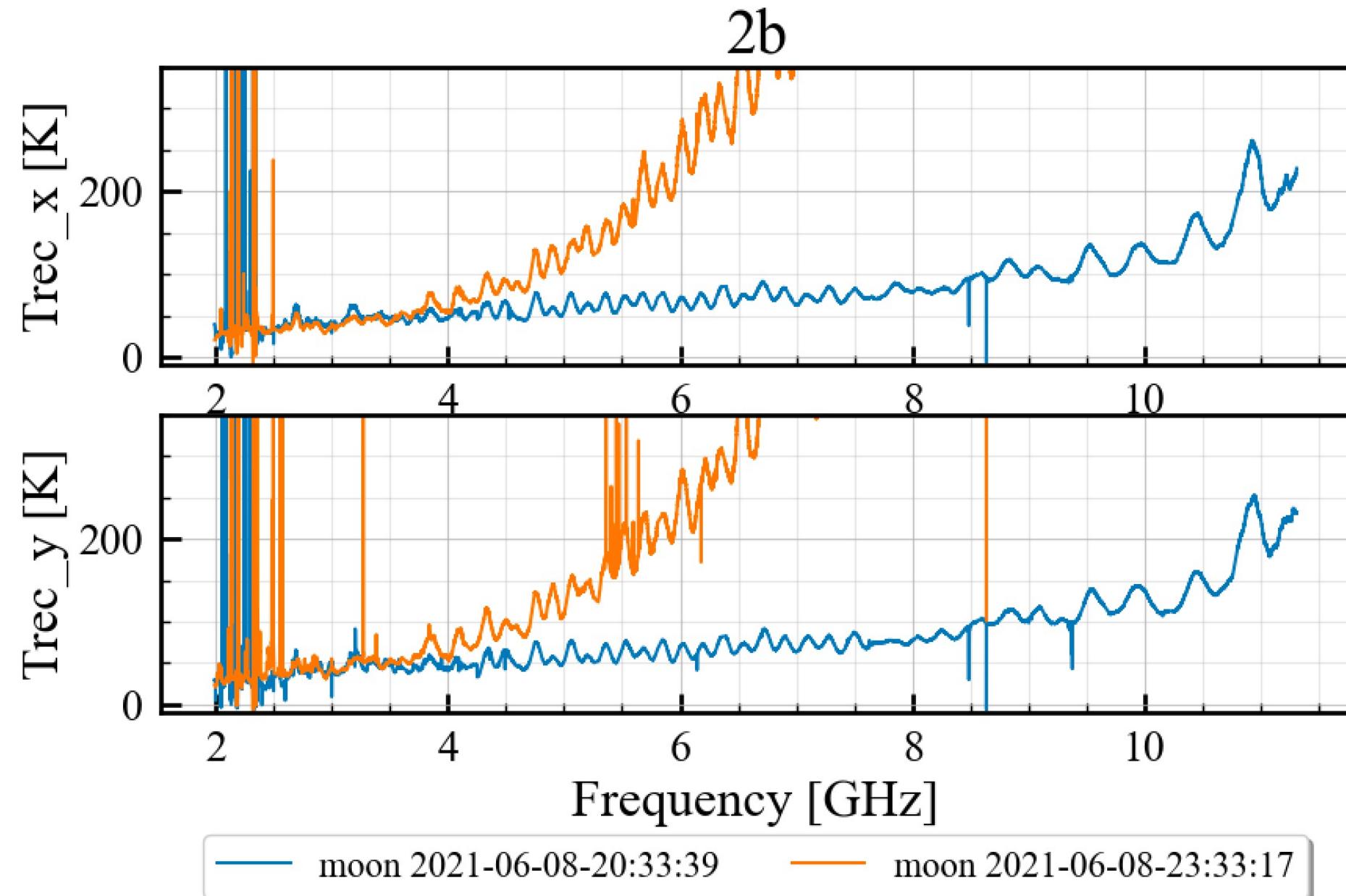
Feed focus measurements:

- Fixed at 2GHz



Feed focus measurements:

- Fixed at 2GHz
- Blue => with feed focused
- Orange => fixed at 2GHz



Feed focus measurement:

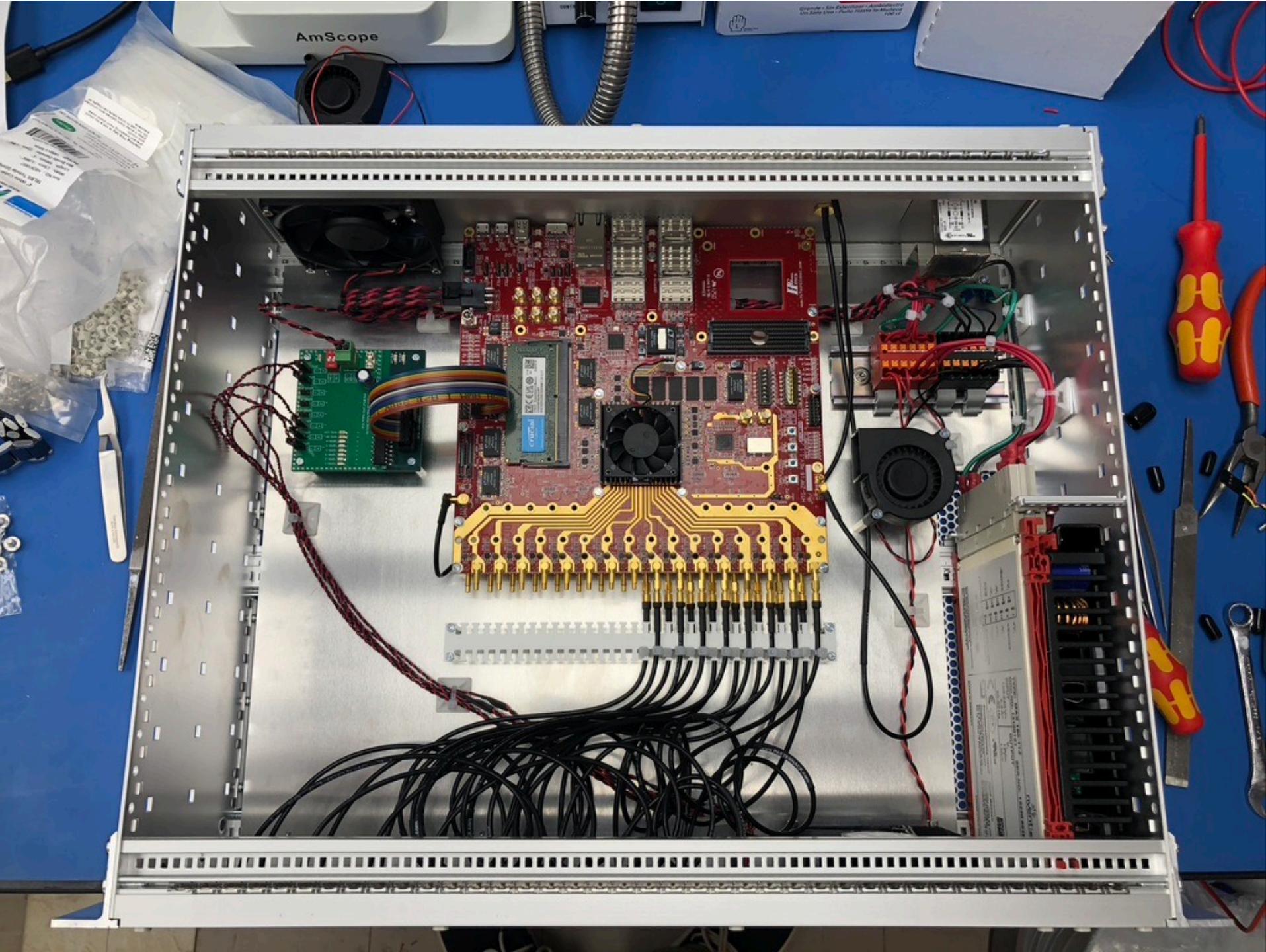
- Mobile setup for maintenance
- 60GHz link for laptop
- Total: \$600



RFSoC DSP installation:



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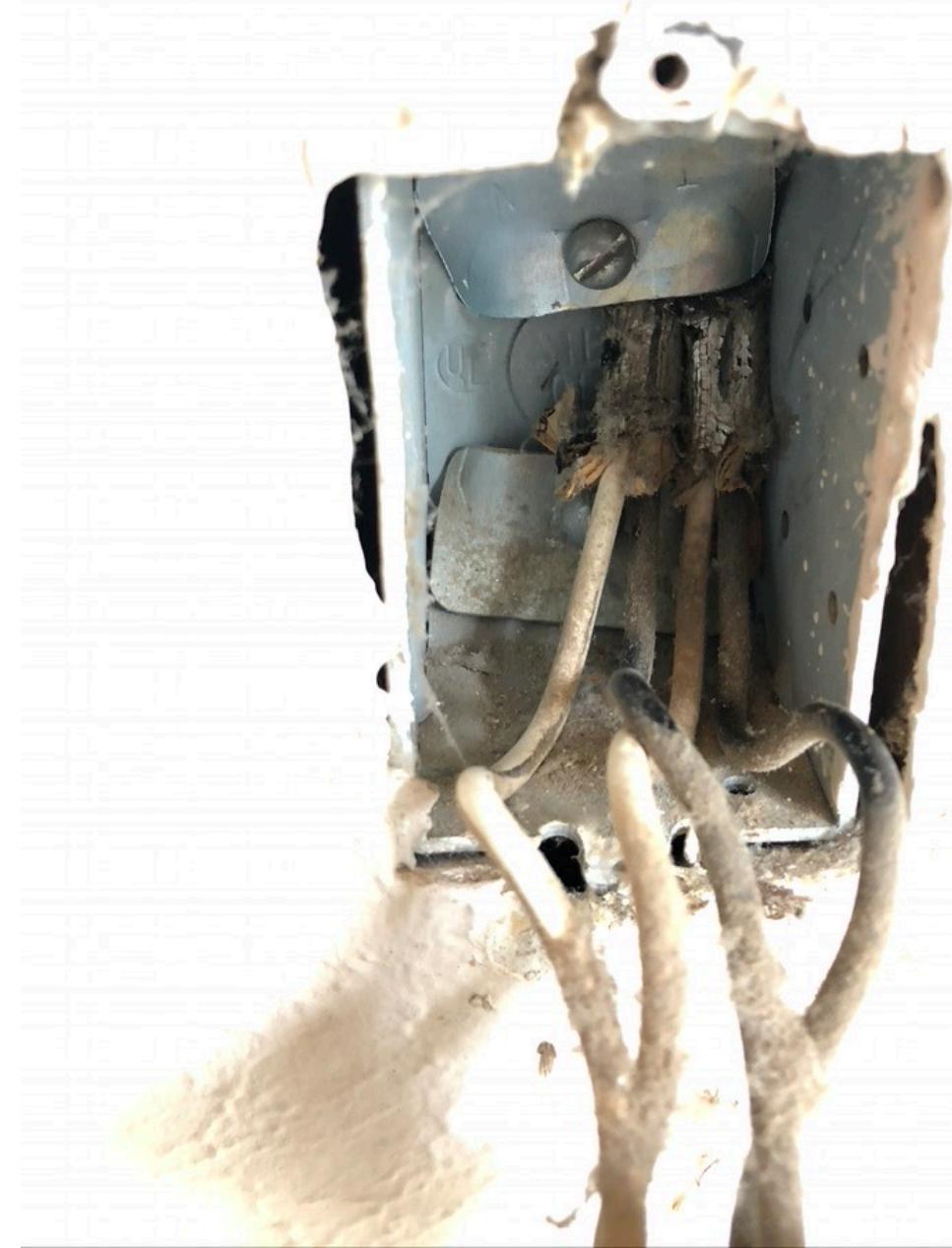


2B Azimuth gearbox:



Berkeley House:

- 1st Electrician looked at the house



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- 1st Electrician looked at the house

