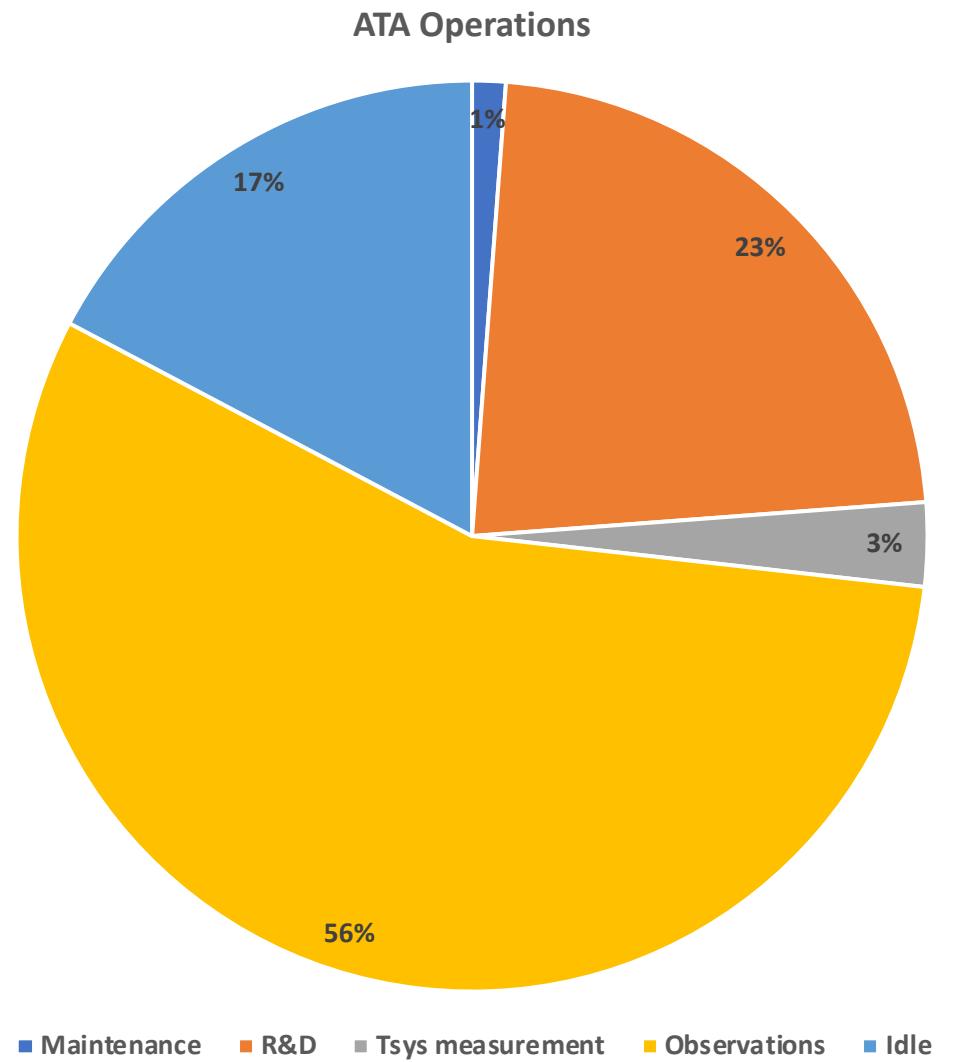


General Update

- Antonio Feeds
 - Maintenance 4J
 - Feed buildout

Agenda for today's meeting

- Current status of observations.
- Maintenance on 4J
- Current status of DSP backend and next steps.
- DSP-Control host document
- SETI near star observing campaign
- RFI survey update



Current status of observations:

Observation Type	Sources	Backend	Observation Time	Disk Space Used
SETI Targets	Ross248, HD173740	Beamformer	39 hours	50 TB
Maser	W3OH	Beamformer	1.5 hours	1.85 TB
Tpoint	GPS Satellites	Spectrometer	40 hours	250 GB
Tsys	Moon	Spectrometer and Correlator	5 hours	155 GB
Calibration	Quasars (3c84, 3c147)	Correlator	13 hours	75 GB
Tests (Phase Stability, Delay Slope tests)	Quasars (3c273, 3c286, 3c295, 3c45)	Correlator	38 hours	210 GB

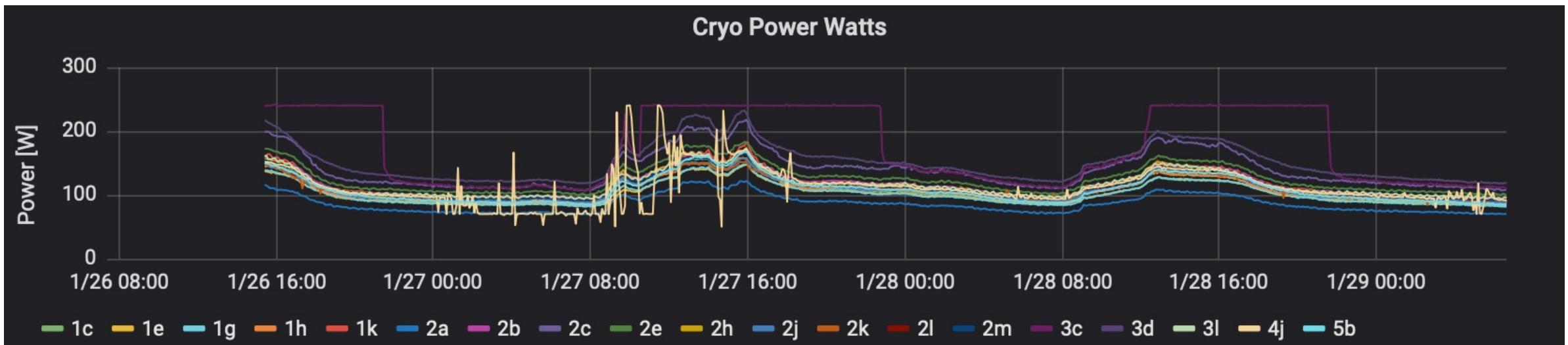
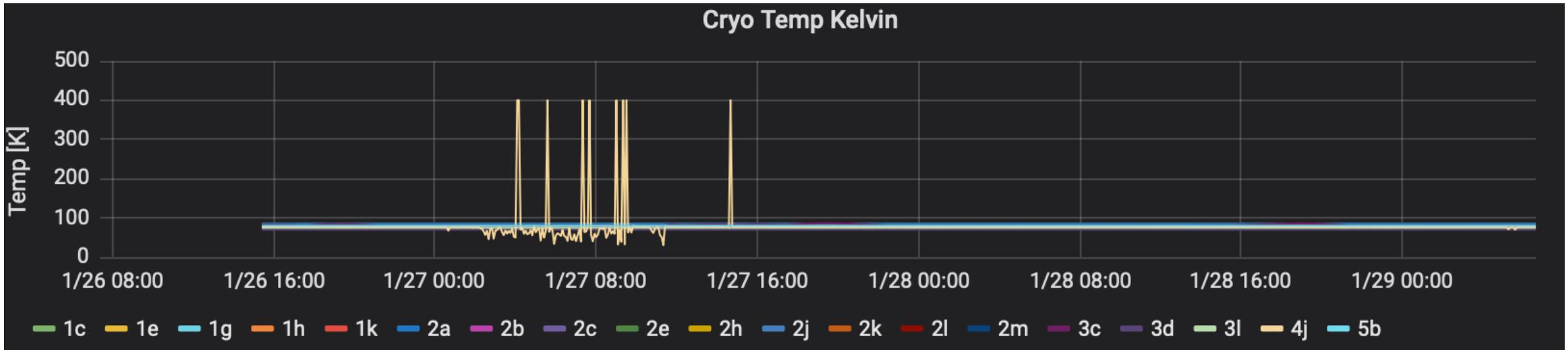
Quad-Ridged Feed Horn Prototype:

- If operates well, used as replacement when performing maintenance on 4J and 3C



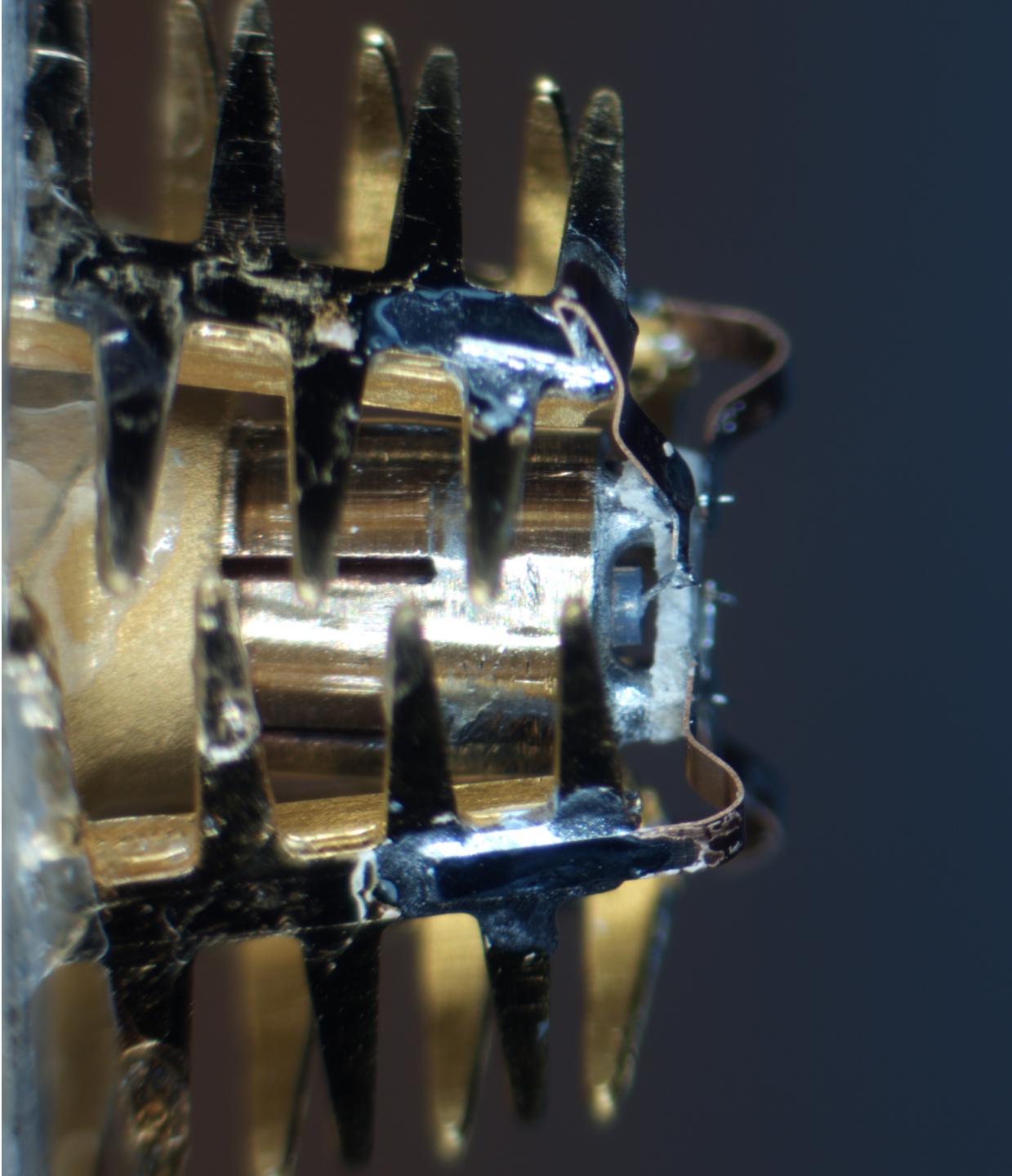
Maintenance 4J:

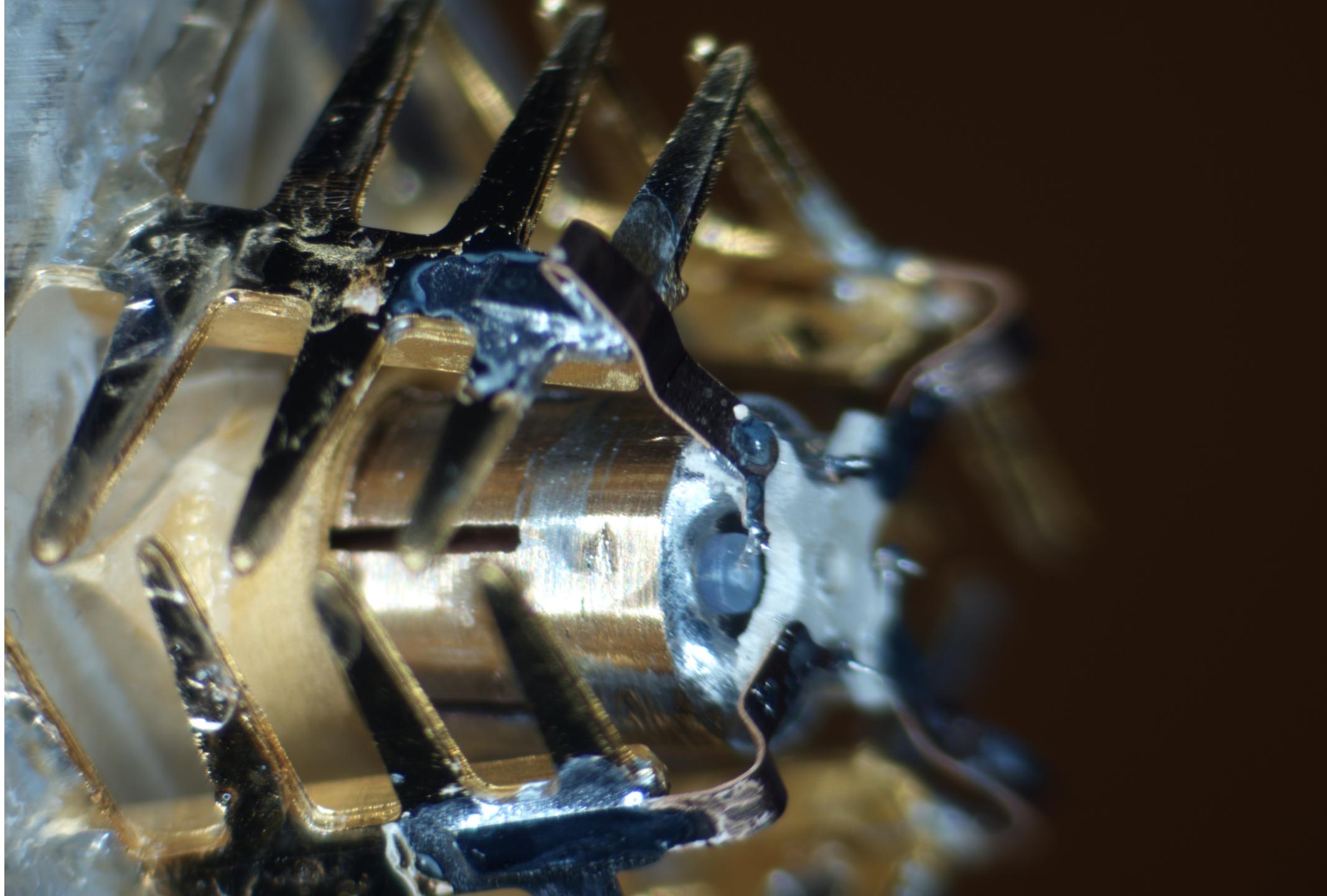
- Showed problems with the temperature sensor

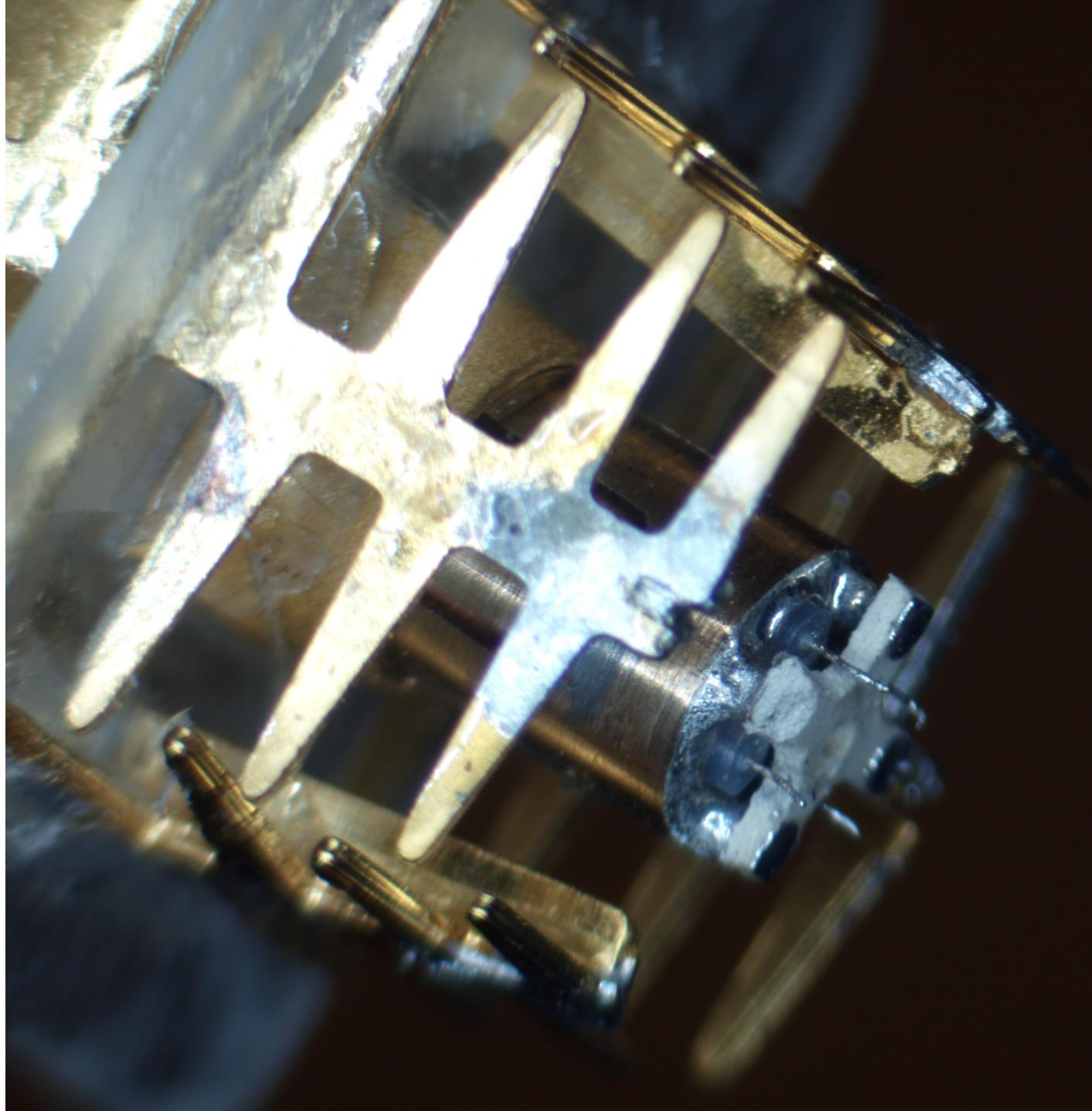


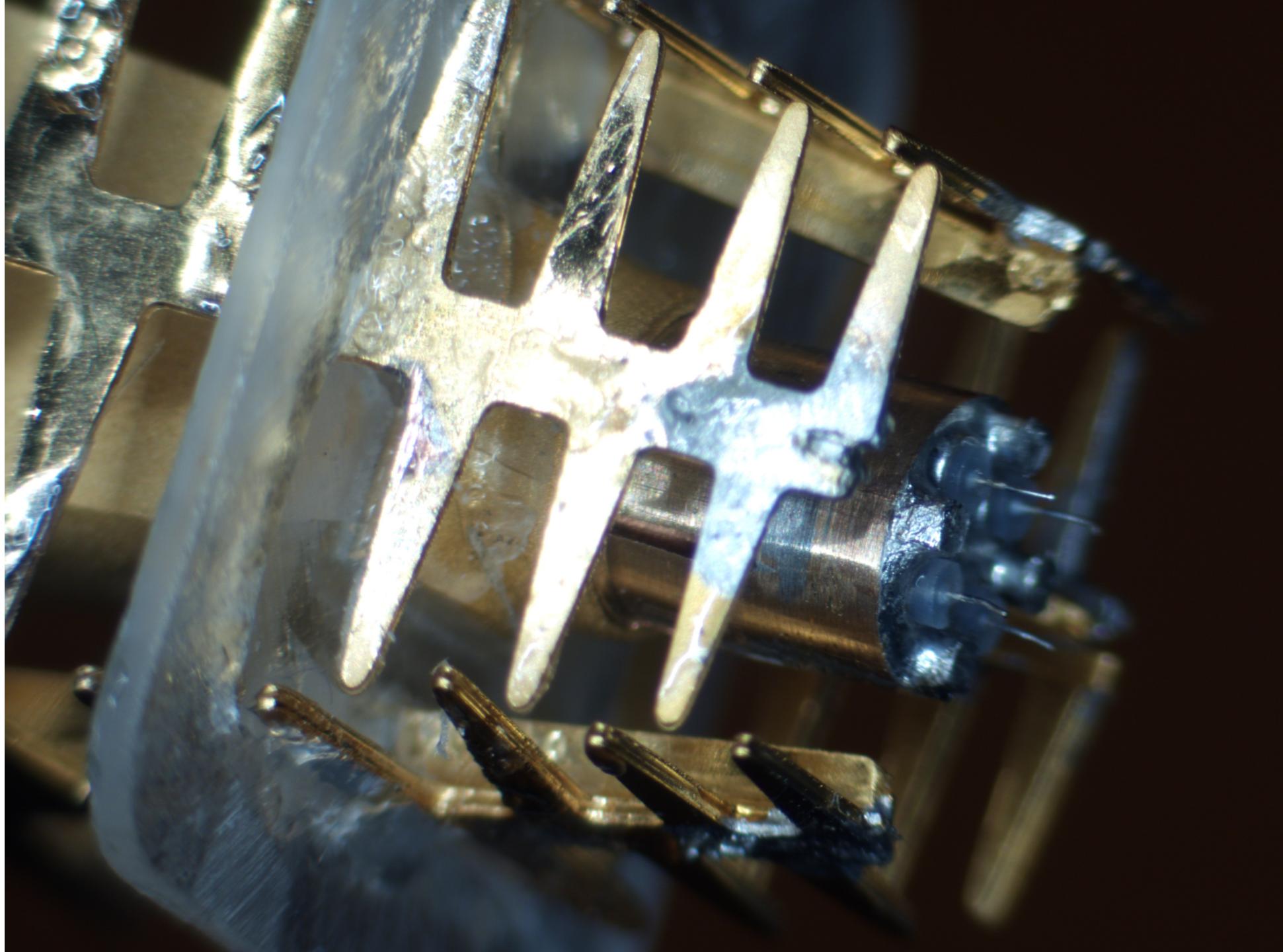
Maintenance 4J:

- Found also a damaged tip









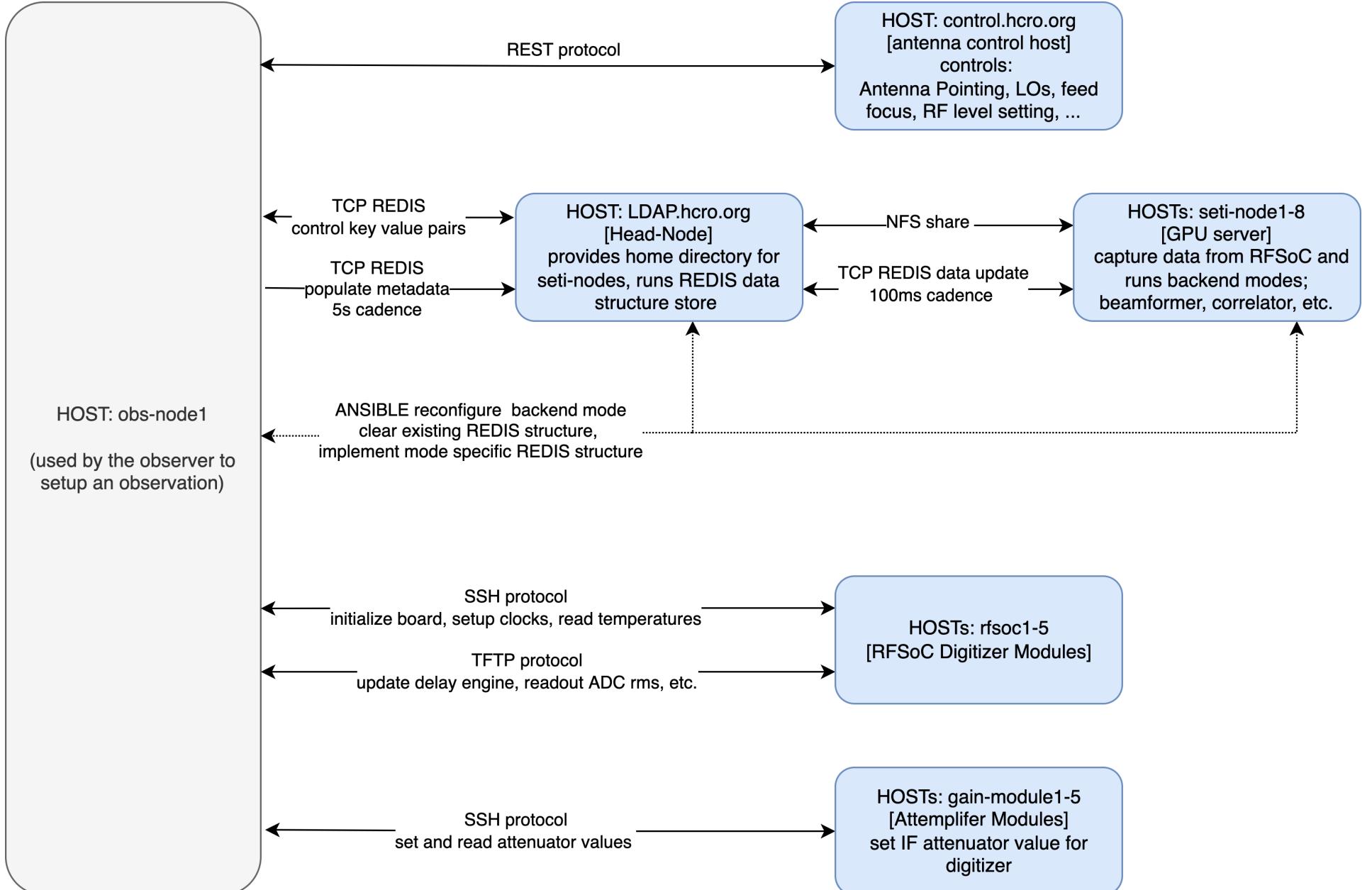
Current status of DSP backend and next steps:

- Realtime Correlator: Post processing software:
 - automate phase calibration [DONE]
 - verify delay engine with astrometry [bore side pointing] (medium priority)
 - automate data output (low priority)
- Realtime Beamformer: Post processing software:
 - produce correct data format for turbo SETI [DONE]
 - verify, run tests on data format for turbo SETI [DONE]
 - produce multiple beams on the sky [DONE]
 - implement functions from correlator into beamformer (high priority)

DSP backend next steps:

- Observations:
 - Implement + book-keep + execute of survey target list [High Priority]
- Realtime Correlator:
 - Post processing software:
 - verify delay engine with astrometry [bore side pointing] (medium priority)
 - automate data output (low priority)
- Realtime Beamformer:
 - Post processing software:
 - implement functions from correlator into beamformer (high priority)
 - implement + test complex weight calculation on GPU (multibeam)
 - implement + test BLADE multibeam realtime beamformer

DSP-Control host document:



DSP-Control host document:

