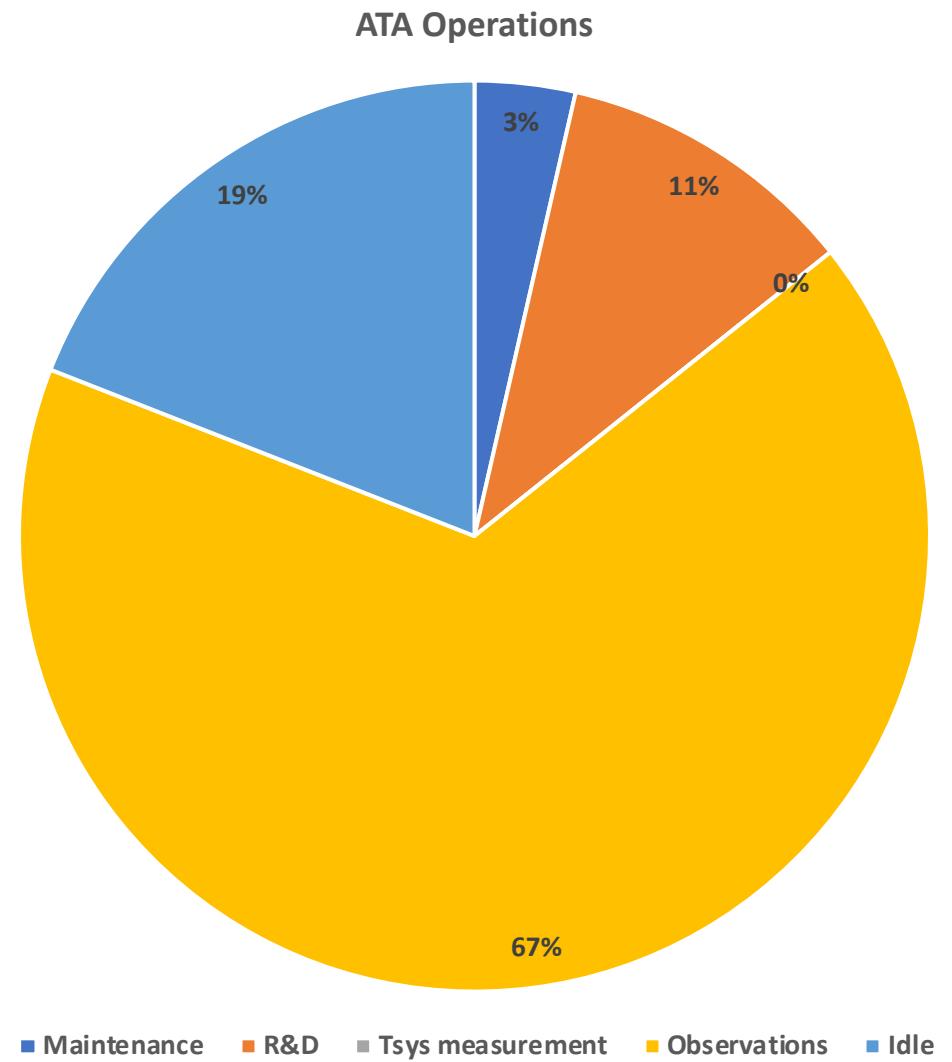


General Update

- Antonio Feeds
 - Maintenance 3C cryocooler replaced, pending final assembly
 - Maintenance 2K temperature sensor problem

Agenda for today's meeting

- Current status of observations.
- Maintenance on 3C and 2K and other problems!
- Antonio Feed buildout updates
- Progress on filtering gridding3 signals (Sofia)
- DSP development updates (Wael).
- Baseline estimation updates (Wael)

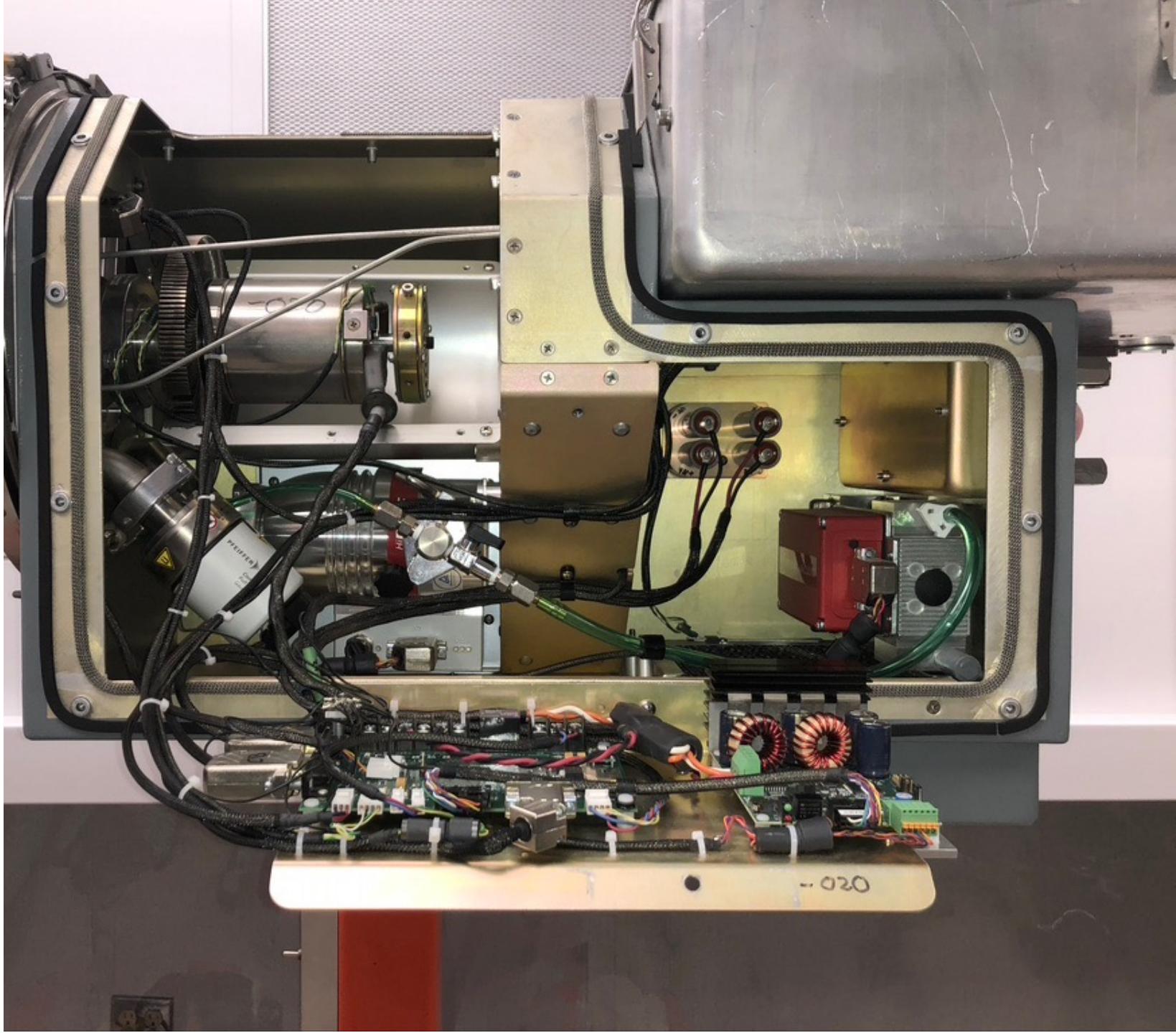


Current status of observations:

Observation Type	Sources	Backend	Observation Time	Disk Space Used
SETI Survey	Recons Catalog	Beamformer	104 hours	225 TB
Calibration	Quasars (3c84, 3c454.3)	Correlator	8 hours	47 GB
Tests (Phase Stability, Phase Center)	Quasars (3c84, 3c454.3)	Correlator	16 hours	94 GB
Calibration and Imaging Demonstration	3c84, CasA	Correlator	2 hours	12 GB

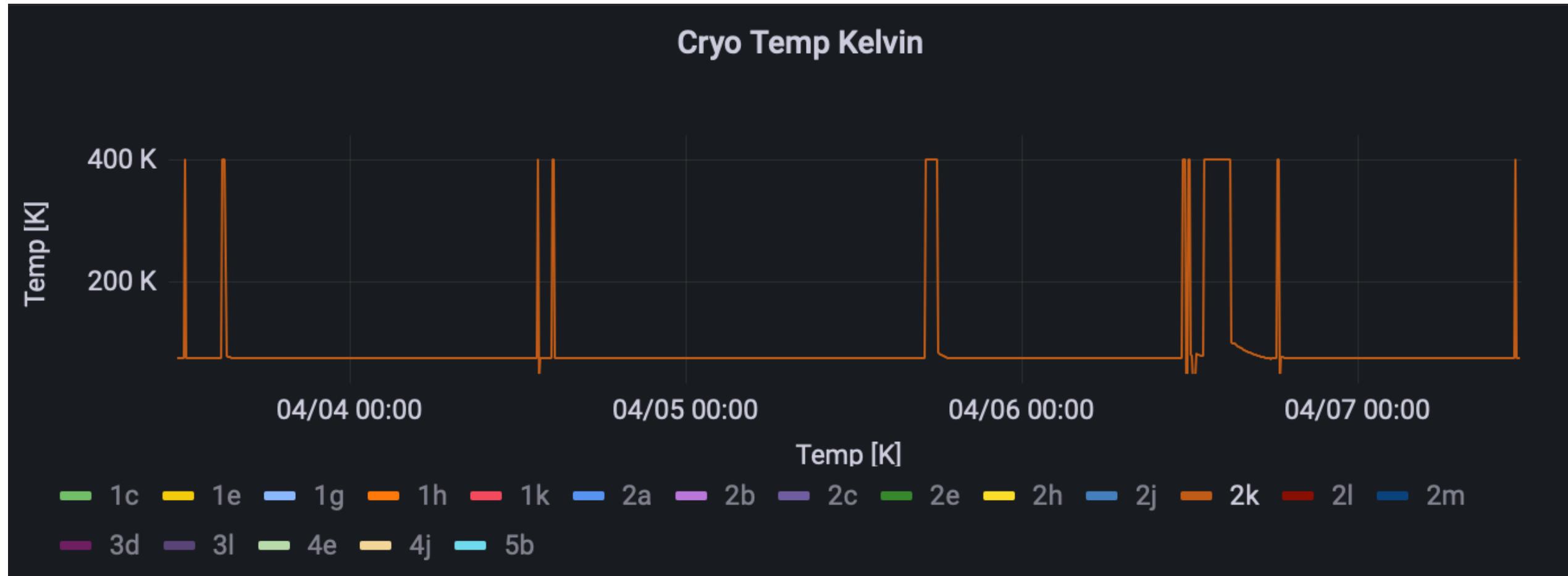
Maintenance 3C:

- Cryocooler replaced
- Cryocooler tuned
- Install of log-periodic feed
- 24h vacuum test
- Install on antenna
- Final H/C measurement



Temperature sensor problem 2K:

- Sensor connection fails



Bug in control JSDA code:

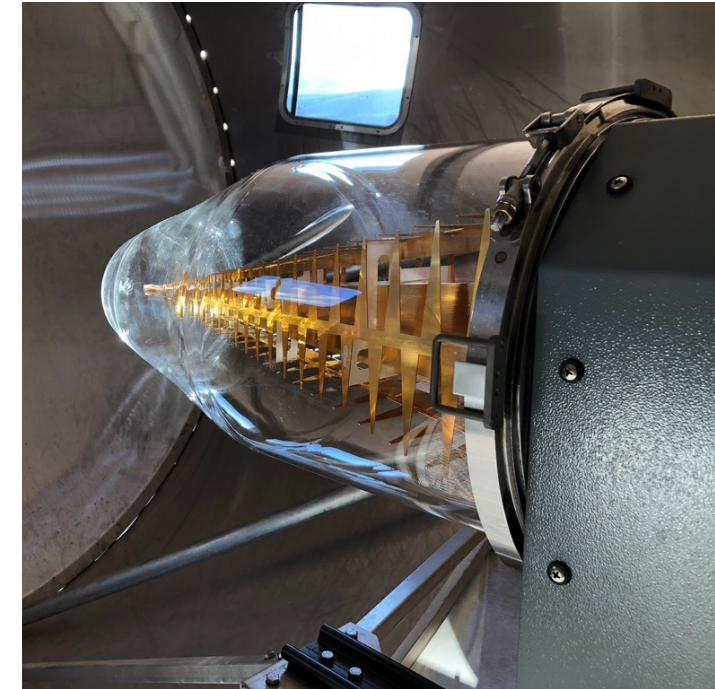
- Antennas randomly oscillate in elevation and azimuth
- Narrowed down the problem to **QueueServer** in control box,
Todd is investigating the problem.

Feed:	Ant:	Pb:	Tsys:	Rfit:
019	1C	040	OK	No
013	X1h:	039	OK	Yes
012	1k:	026	OK	Yes
005	X2a:1	013	OK	No
004	X2L:1	005	OK	Yes
014	X2e:1	029	OK	Yes
002	X2L:	006	OK	Yes
020	X3C:1	016	OK	Yes
007	X3L:	004	OK	1AF
006	47:	008	OK	Yes
011	25:	045	OK	Yes
008	2m:	015	OK	Yes

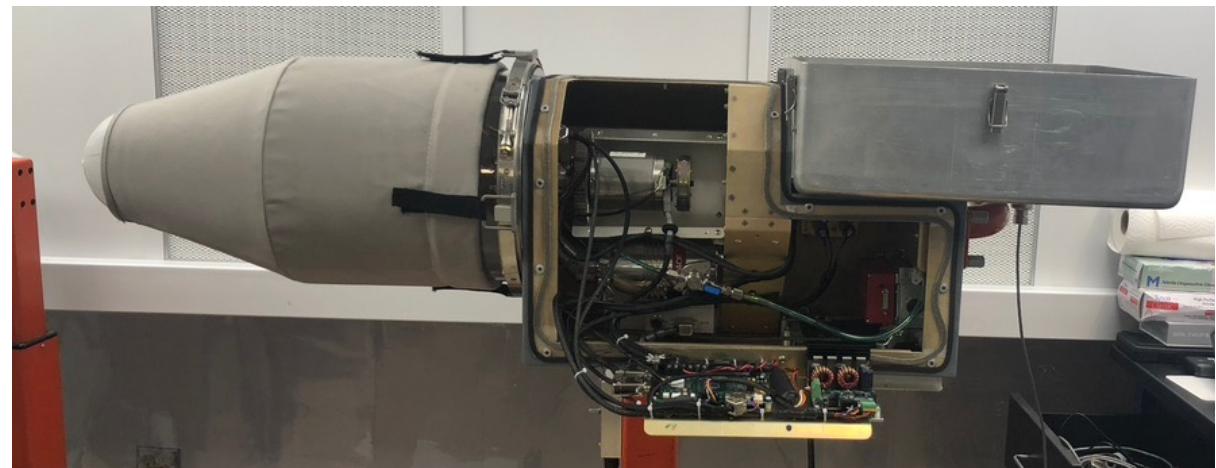


Antonio Feed buildout:

- 6x additional log-periodic feed pyramids
 - ✓ 12x LNAs tested and at Minex
 - ✓ 6x gold plated log-periodic feeds
 - ✓ UT-034-95 coaxial cable
 - **Wiring parts (Nano-D, 085 SS coaxial cable)**
 - LNA Module, assembly with conditioned coaxial cables
 - Complete assembly and tip link installation
 - **Lakeshore DT-670D-SD (shipped eta: 04/11)**
 - **6x SS-Coaxial Cable (ordered eta: 06/01)**

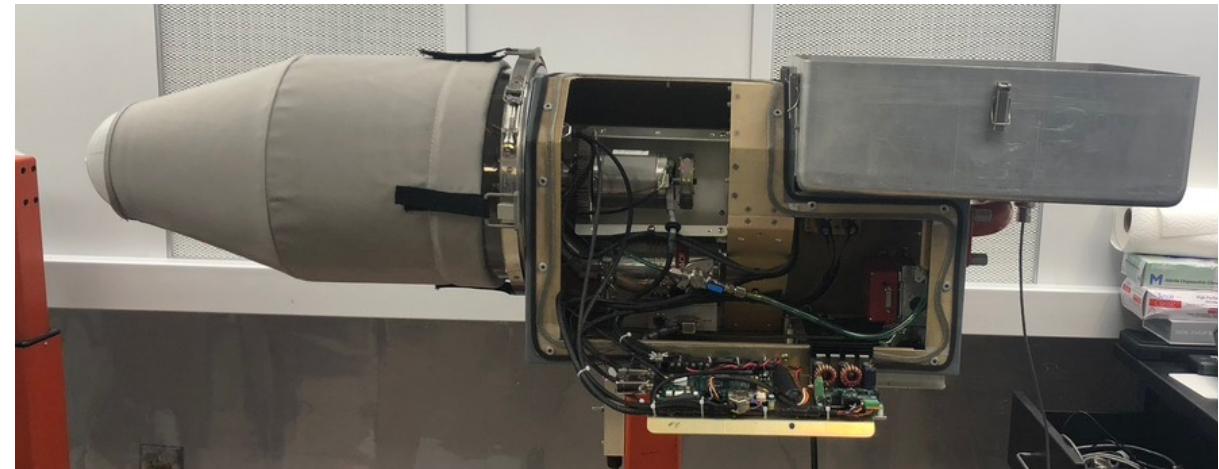
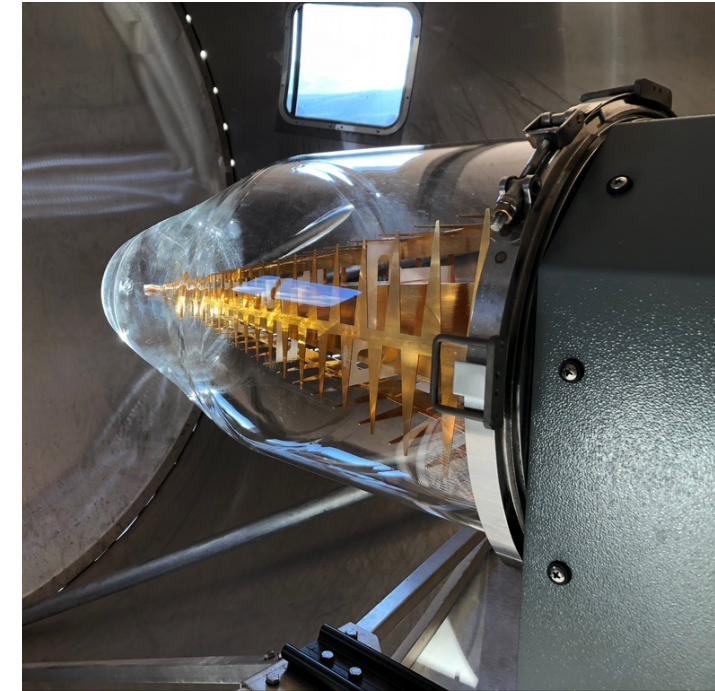


- 4x additional feed bases
 - ✓ Feed Control PCB
 - ✓ Fan Blowers
 - ✓ Cryocooler
 - ✓ Turbo Pump
 - ✓ **Diaphragm**
 - Main Enclosure
 - ✓ **Wire Harness Retrofitted**
 - ✓ **Glass Dome**
 - **Base Plate Assembly**
 - **Hermetic Feedthroughs (ordered eta: 06/01)**
 - Damper for Cryocooler
 - ...



Antonio Feed buildout MINEX:

- 6x additional log-periodic feed pyramids
 - LNA Module, assembly with conditioned coaxial cables
 - Complete assembly and tip link installation
- 4x additional feed bases
 - Main Enclosure
 - Front face machined
 - Installation of PAX enclosure
 - Assembly of mechanical parts (EMI filter, etc.)
 - Base Plate Assembly
 - Fabric Cover
 - Damper for Cryocooler
 - Brackets for mounting fabric cover
 - Feed base front mounting support



Order placed!

DSP-Control Host:

- Delivered yesterday
- Installed in rack
- Wire network connection
- Install Ubuntu
- Configure system
- Setup Backup
- Handover to Wael



DSP-Control host

ORDERED:

