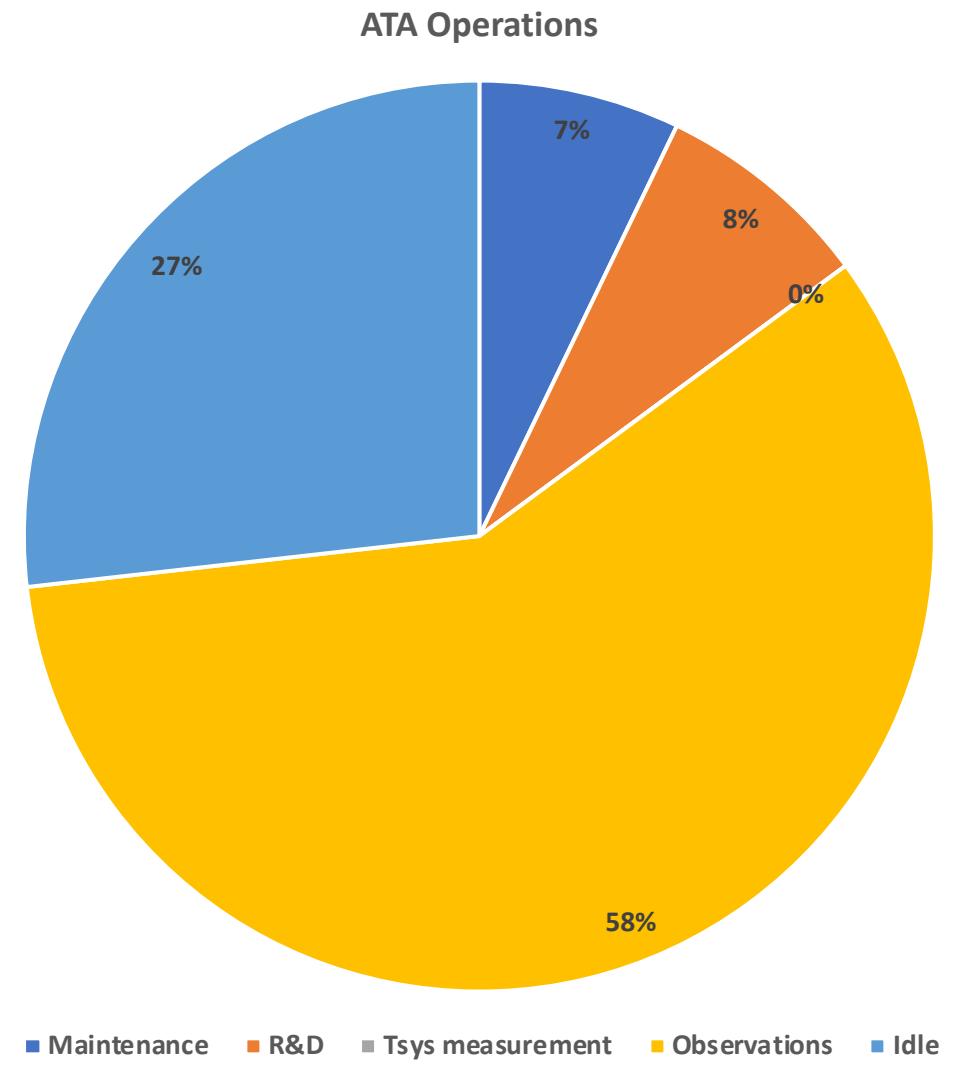


General Update

- Antonio Feeds
 - Maintenance 3C replacement of Cryocooler

Agenda for today's meeting

- Current status of observations.
- Maintenance on 3C
- RFI survey 3D updates
- Update from going over observing data from last summer (Sofia)
- DSP Development updates (Wael).
- LO firmware update DONE, sis1.hcro.org 400TB installed
- Antonio Feed Updates

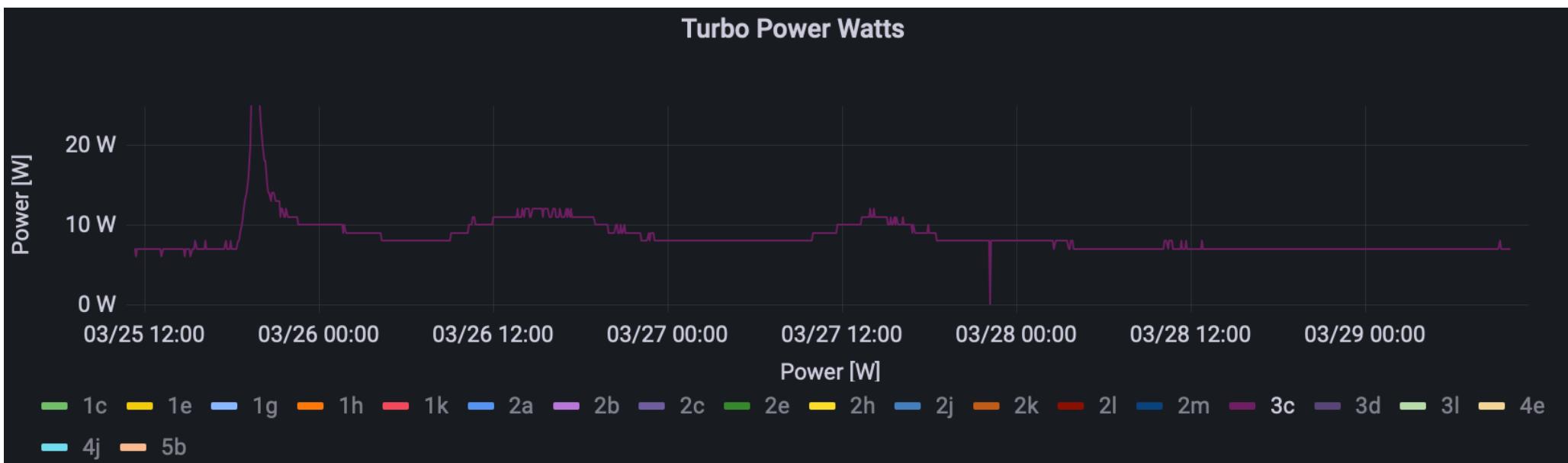
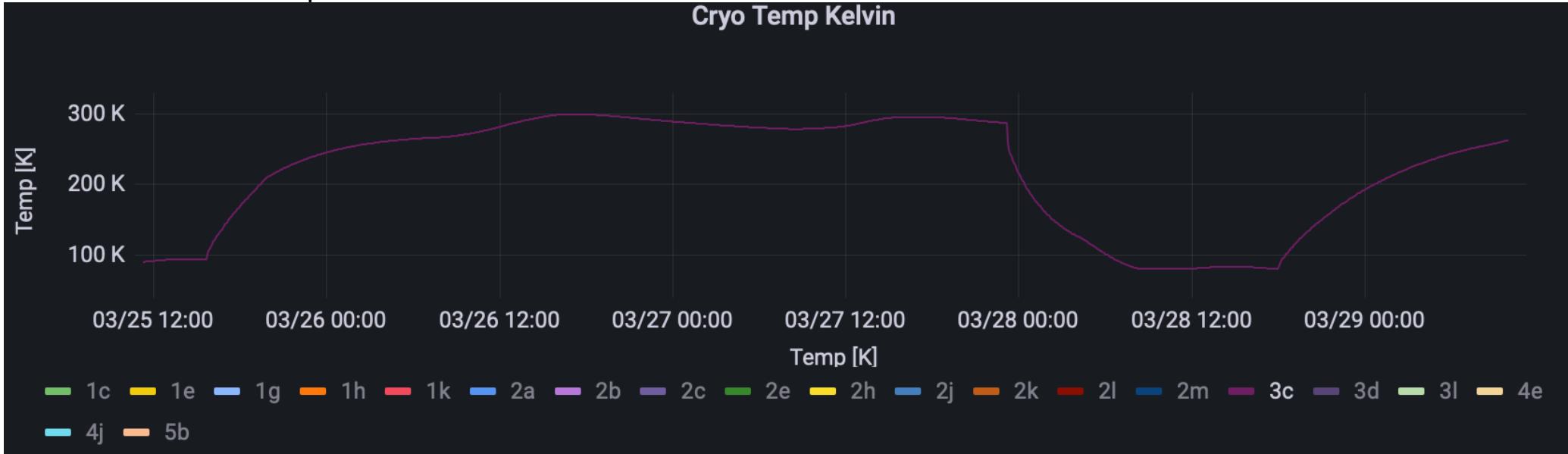


Current status of observations:

Observation Type	Sources	Backend	Observation Time	Disk Space Used
SETI Survey	Recons Catalog	Beamformer	89 hours	175 TB
Calibration	Quasars (3c84, 3c147)	Correlator	9 hours	60 GB
Tests (Phase Stability, Phase Center)	Quasars (3c84, 3c454.3, 3C147)	Correlator	13 hours	90 GB

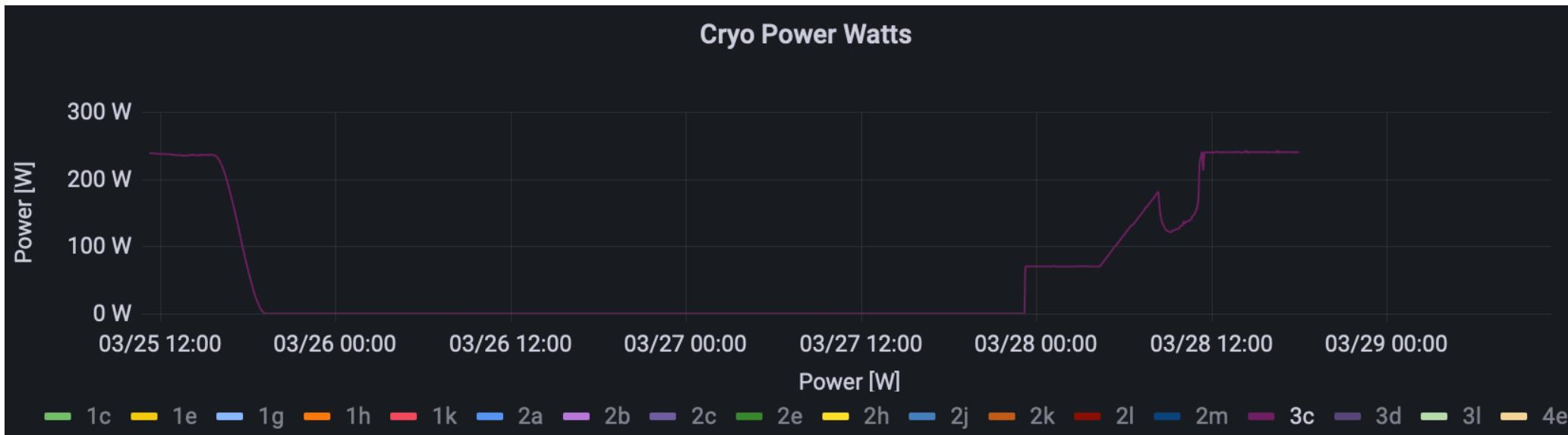
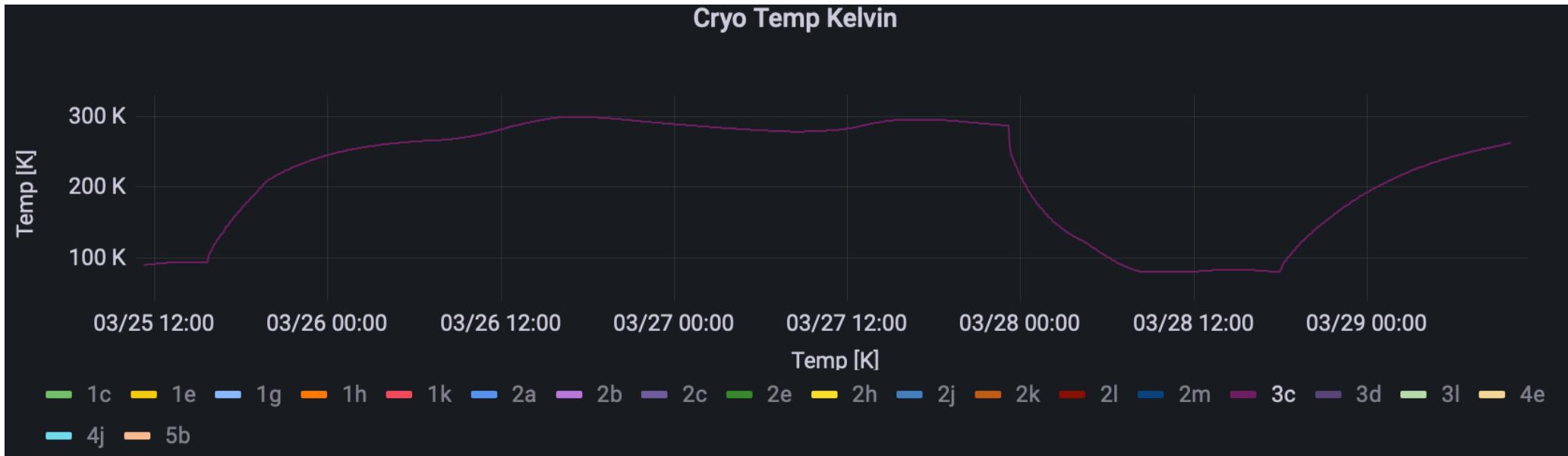
Maintenance 3C:

- Does not maintain stable temperature



Maintenance 3C:

- Does not maintain stable temperature



Maintenance 4J:

- Repaired and used for observations
- H/C missing



3D:



Our young members of the team were very creative:



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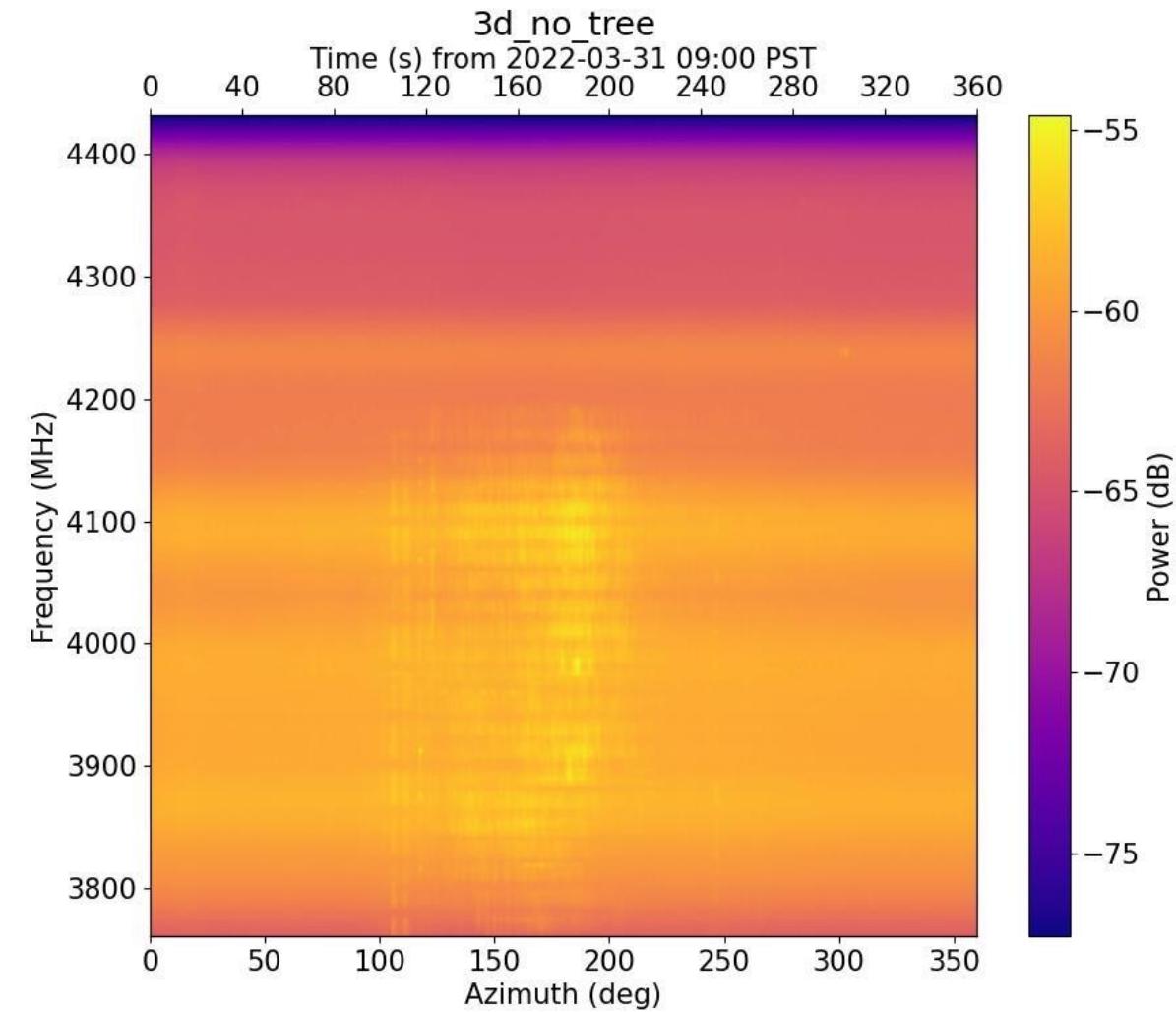
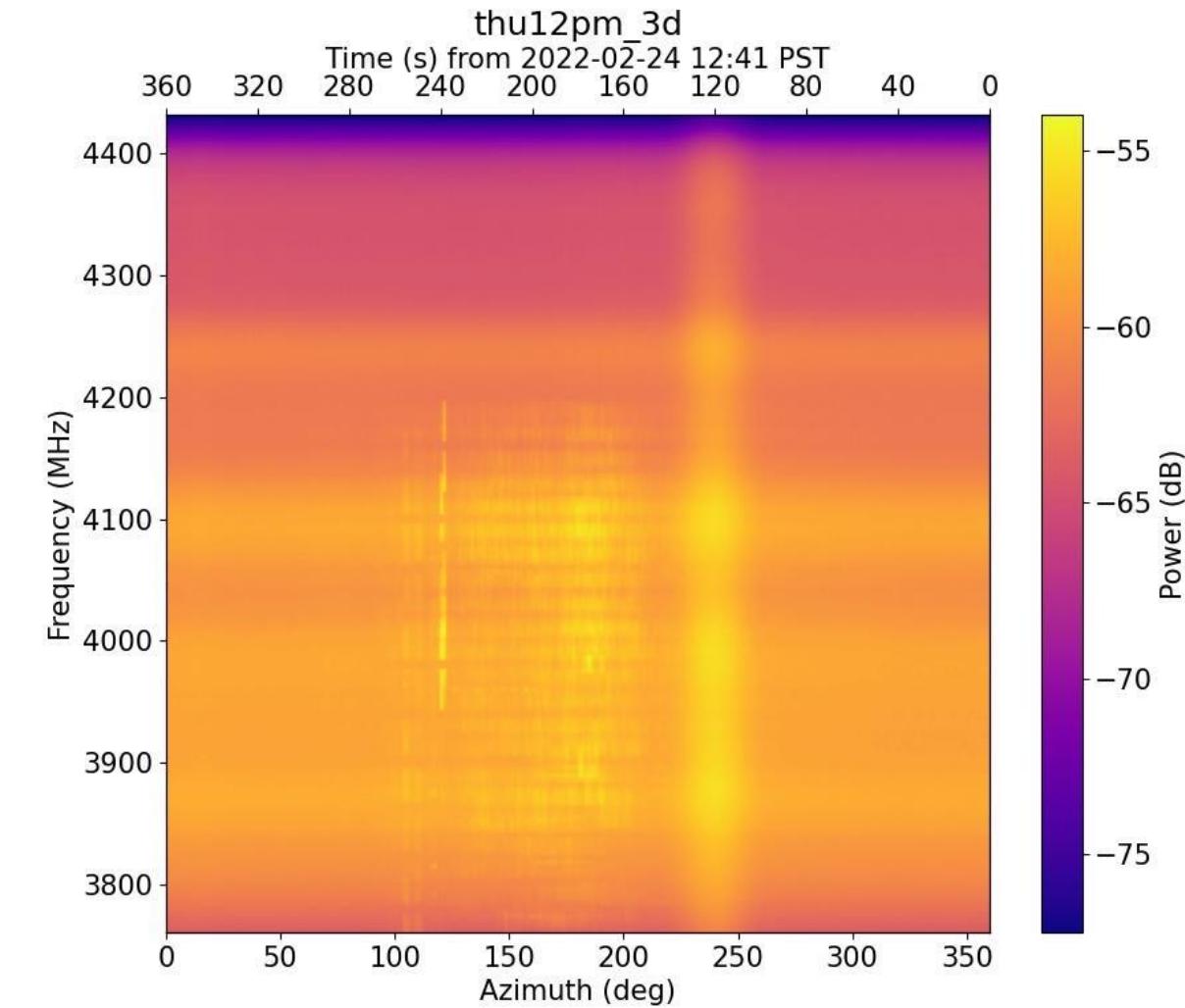


3D:

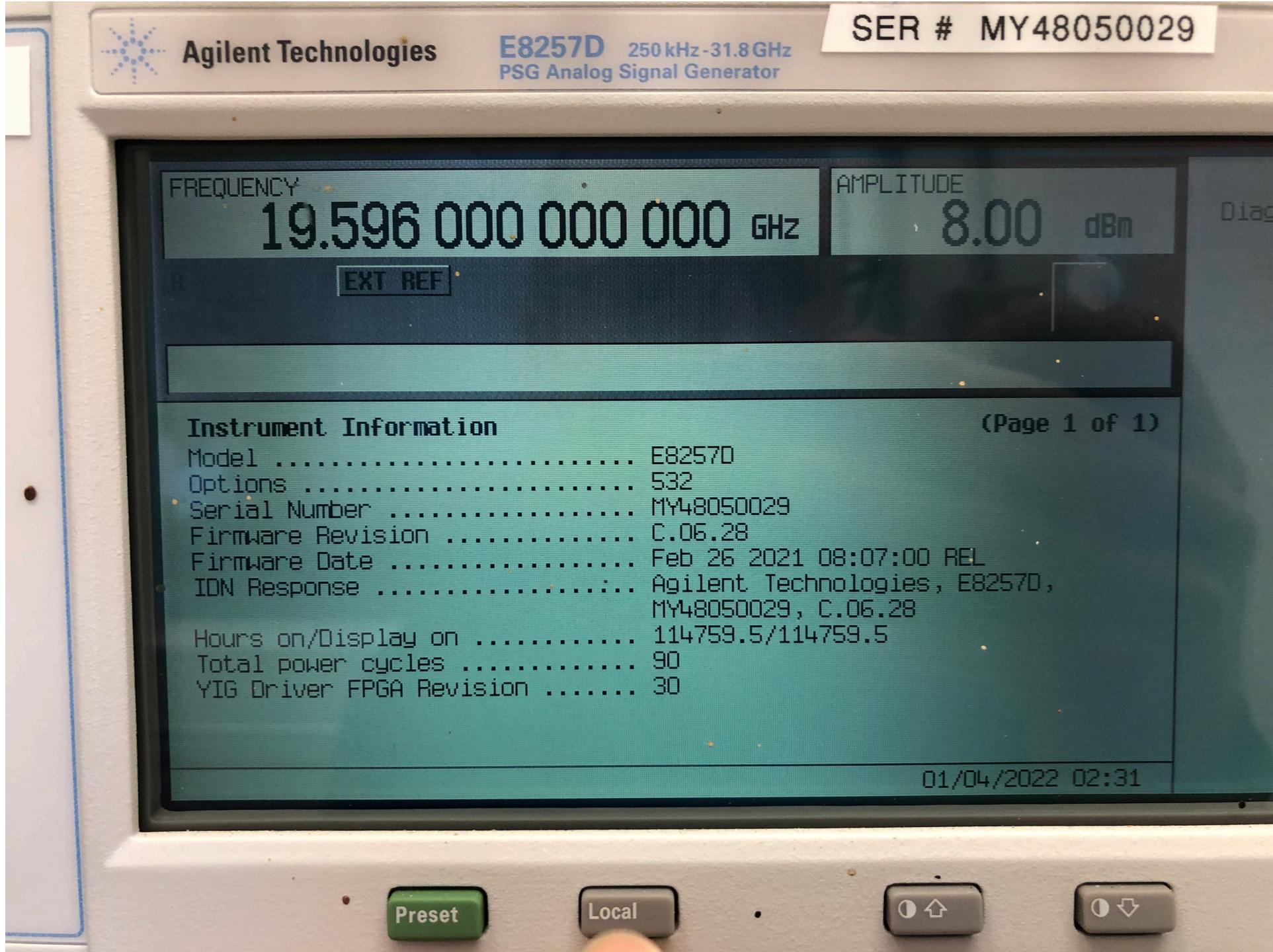




3D before and after:



LOs updated:



New 400TB storage:

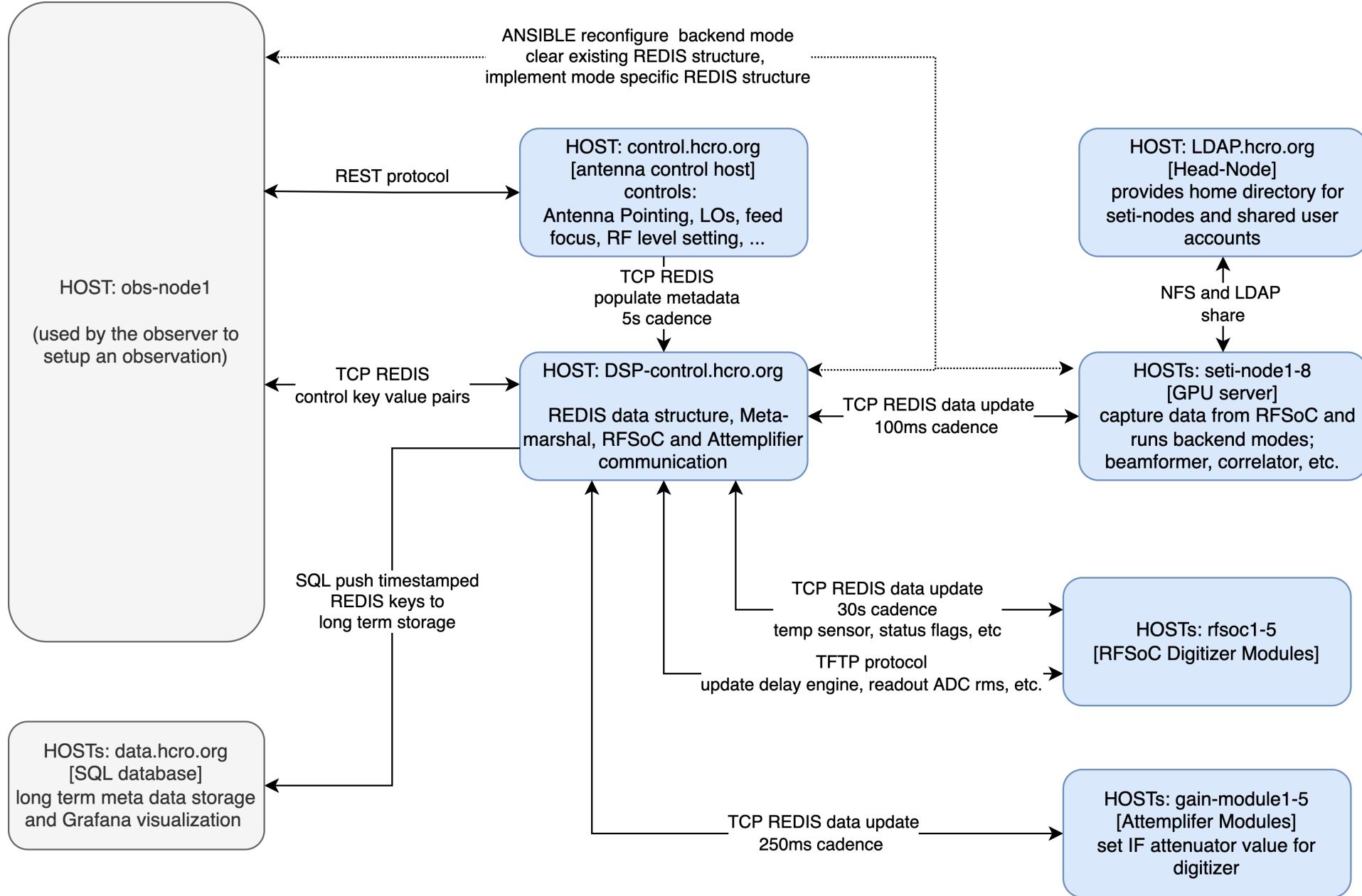
- Total Storage at HCRO 1.2PB

FYI: First disk needed to be replaced this week (on original storage RAID)



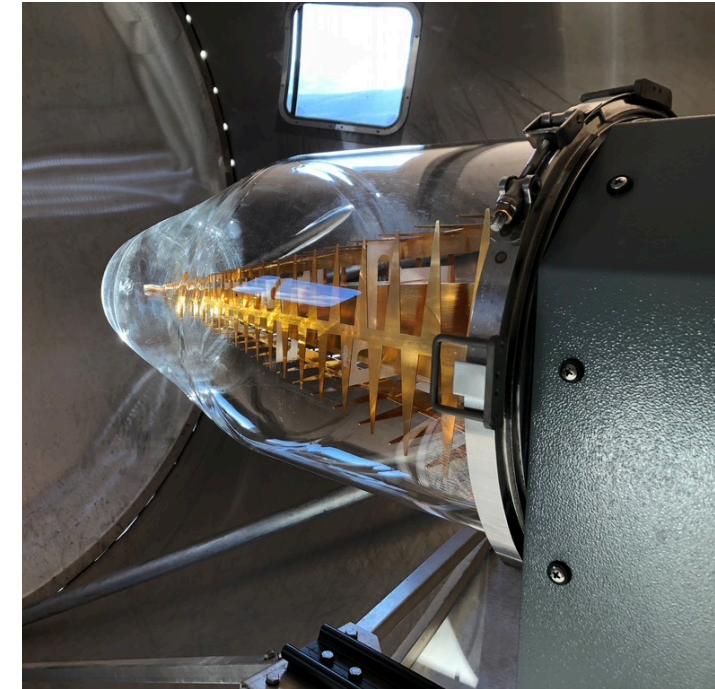
DSP-Control host

ORDERED:

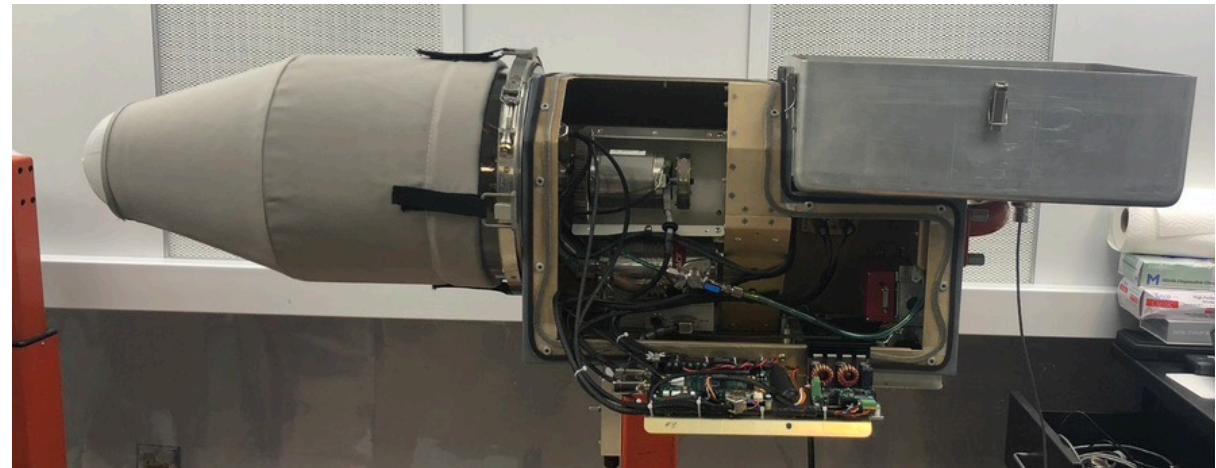


Antonio Feed buildout:

- 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 (ordered eta: 04/20)**
 - **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 (waiting for delivery)**
 - ❑ 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

