

General Update

- SPR
 - Engineering downtime
 - Sort out RF fiber cables from patch panel to RFCB DONE
 - Configure redundant FW (beginning of May)
 - AC replacement
- Other
 - Most components for RFSoc and Attenuifier units ARRIVED
 - Working on component groups for Attenuifier and RFSoc enclosure.
 - Glass Dome shipped, will arrive next week.
 - Antenna retrofit for Antonio feeds.
 - Forest Service inspection Tomorrow
- Design work:
 - Weather station data connection and power supply
- Antonio Feed
 - Need to investigate feed 016 LNAs
 - Update feed firmware with longer vacuum times
 - Install new pyramids in feeds:
 - Test vacuum (24h)
 - Install on antenna and cool down(24h)
 - Tsys measurement with absorber

Feed List		Feed Revision Overview							
Number	Installed Ant.	Tip-Link: R03	Temp S. Isolation	New Harness	Bellow Removed	Cryo Tuned	Firmware 5.4	Gold-Plated	Preconditioned Coax
5C4-001	Minex								
5C4-002	Minex	In Progress						x	x
5C4-003	Feed Lab	In Progress	x	x	x	x	x	x	x
5C4-004	2B	x	x	x	x	x	x	x	x
5C4-005	2A								
5C4-006	4J	x	x	x	x	x	x	x	x
5C4-007	3L	x	x	x	x	x	x	x	x
5C4-008	2M	x	x	x	x	x	x	x	x
5C4-009	Feed Lab	In Progress	x	x	x	x	x	x	x
5C4-010	Feed Lab	In Progress	x	x	x	x	x	x	x
5C4-011	2J	x	x	x	x	x	x	x	x
5C4-012	1K	x	x	x	x	x	x	x	NA
5C4-013	1H	x	x	x	x	x	x	x	x
5C4-014	2E	x	x	x	x	x	x	x	x
5C4-015	Feed Lab	In Progress	x	x	x	x	x	x	In Progress
5C4-016	Feed Lab	x	x	x	x	x	x	x	x
5C4-017	Feed Lab	In Progress	x	x	x	x	x	x	In Progress
5C4-018	2H	x	x	x	x	x	x	x	NA
5C4-019	1C		x	x	x	x			
5C4-020	3C	x	x	x	x	x	x	x	x

Minex Engineering Schedule for SETI Work:

Quote	Purchase	Qty	Description	February 22 23 24 25 26	March 1 2 3 4 5	March 8 9 10 11 12	March 15 16 17 18 19
	PO 3600	40 ea	Fabricate new coax cables.				
		3 ea	Install new coax on existing LNAs.				
		3 ea	Fabricate new LNA Modules.				
		3 ea	Feed complete with Modules & tip links.				
			Feed SN 008, 011, 014				

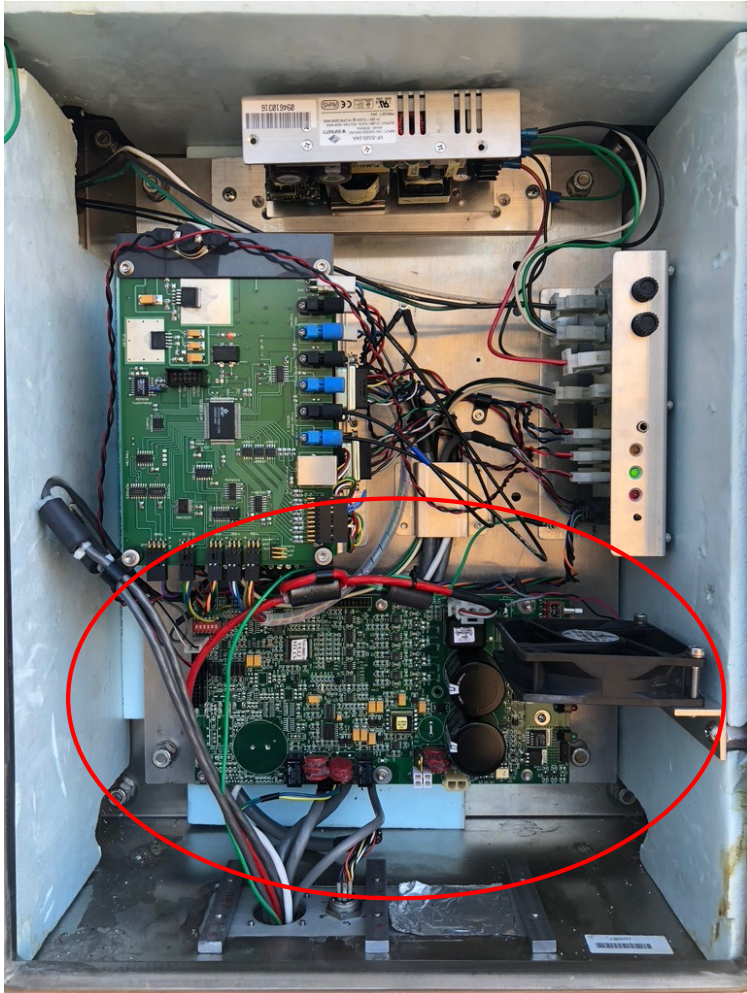
Antenna retrofit:

- 16 antennas currently can house Antonio feeds
- Parts for 3 additional retrofits are already available
- Currently getting design and part list together to retrofit additional antennas.

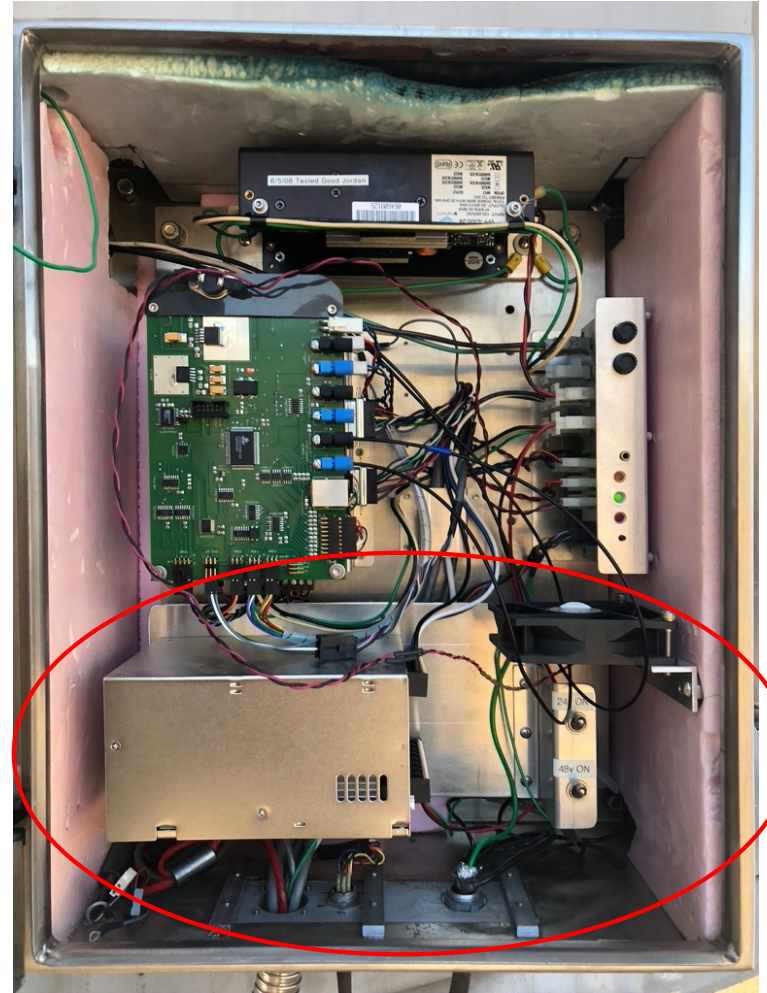
Antennas		
Ant	Feed Version	Feed installed
1A	V1	YES
1B	V1	-
1C	V2	YES
1D	V1	-
1E	V2	-
1F	V1	YES
1G	V2	-
1H	V2	YES
1J	V1	-
1K	V2	YES
2A	V2	YES
2B	V2	YES
2C	V2	-
2D	V1	-
2E	V2	YES
2F	V1	-
2G	V1	-
2H	V2	YES
2J	V2	YES
2K	V2	-
2L	V2	-
2M	V2	YES
3C	V2	YES
3D	V2	-
3E	V1	-
3F	-	-
3G	-	-
3H	-	-
3J	V1	-
3L	V2	YES
4E	V1	-
4F	V1	-
4G	V1	YES
4H	V1	-
4J	V2	YES
4K	V1	-
4L	V1	-
5B	V2	-
5C	V1	YES
5E	V1	-
5G	V1	-
5H	V1	-

Antenna retrofit:

Before



After

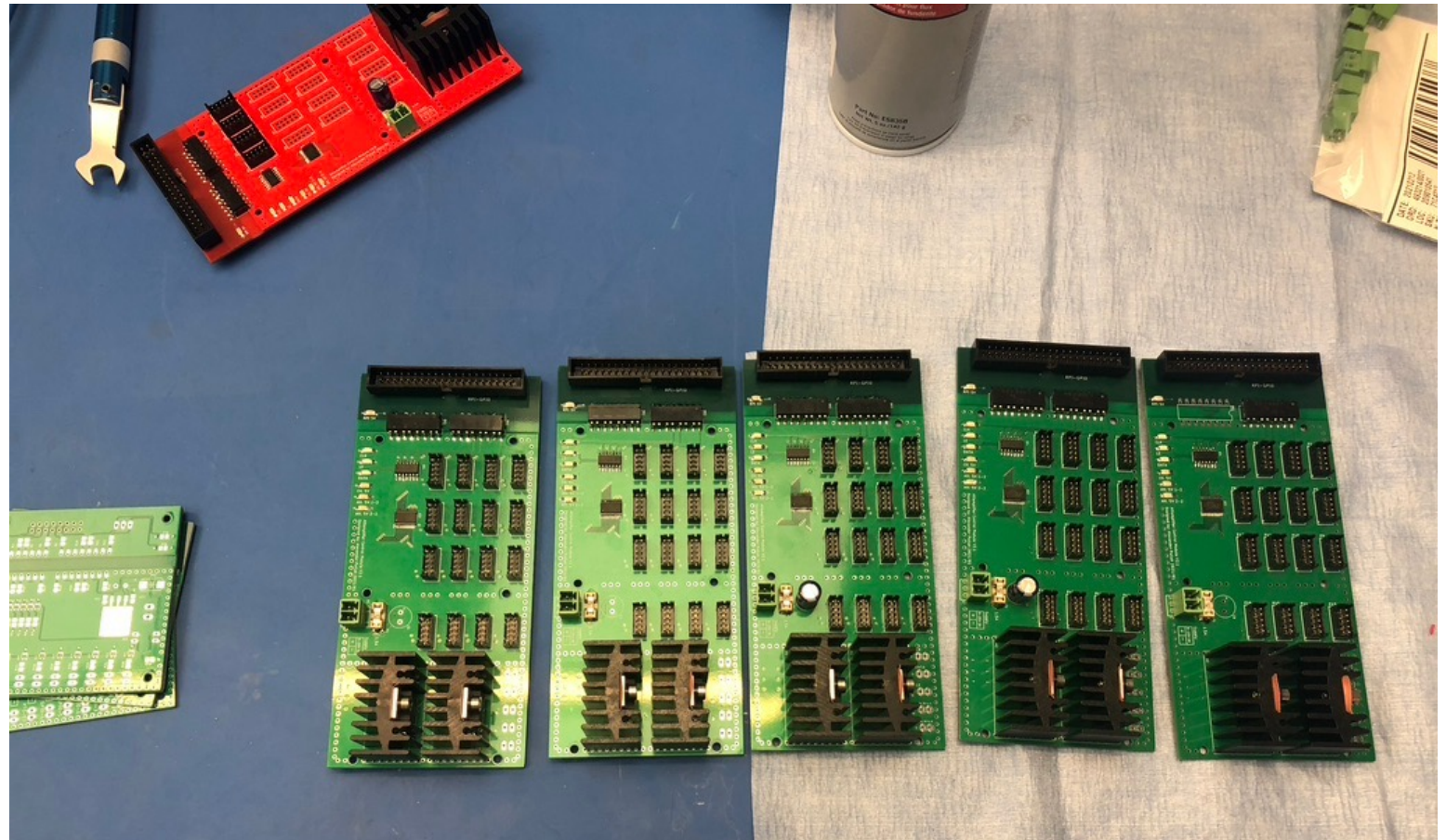


Antenna retrofit:

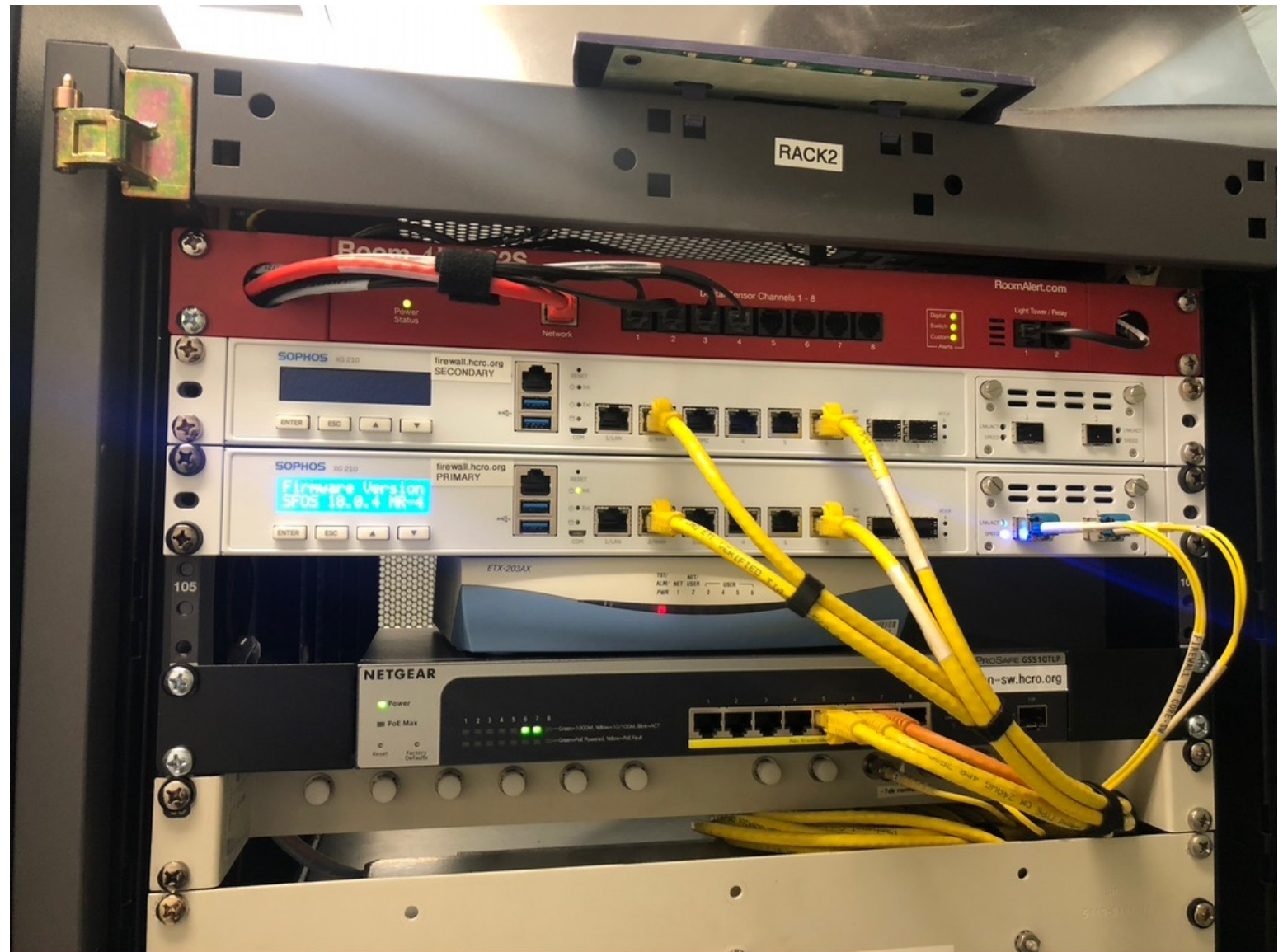
- Create CAD design of mounting plate
- Create part list



RFSoc and Amplifier:



Down Time:



Planned Maintenance on FEEDS:

- 3C feed 020
 - Test vacuum system
- feed 016
 - Test LNAs
- Assembly of new Antonio Feeds:
 - Test vacuum (24h)
 - Install on antenna and cool down(24h)
 - Tsys measurement with absorber