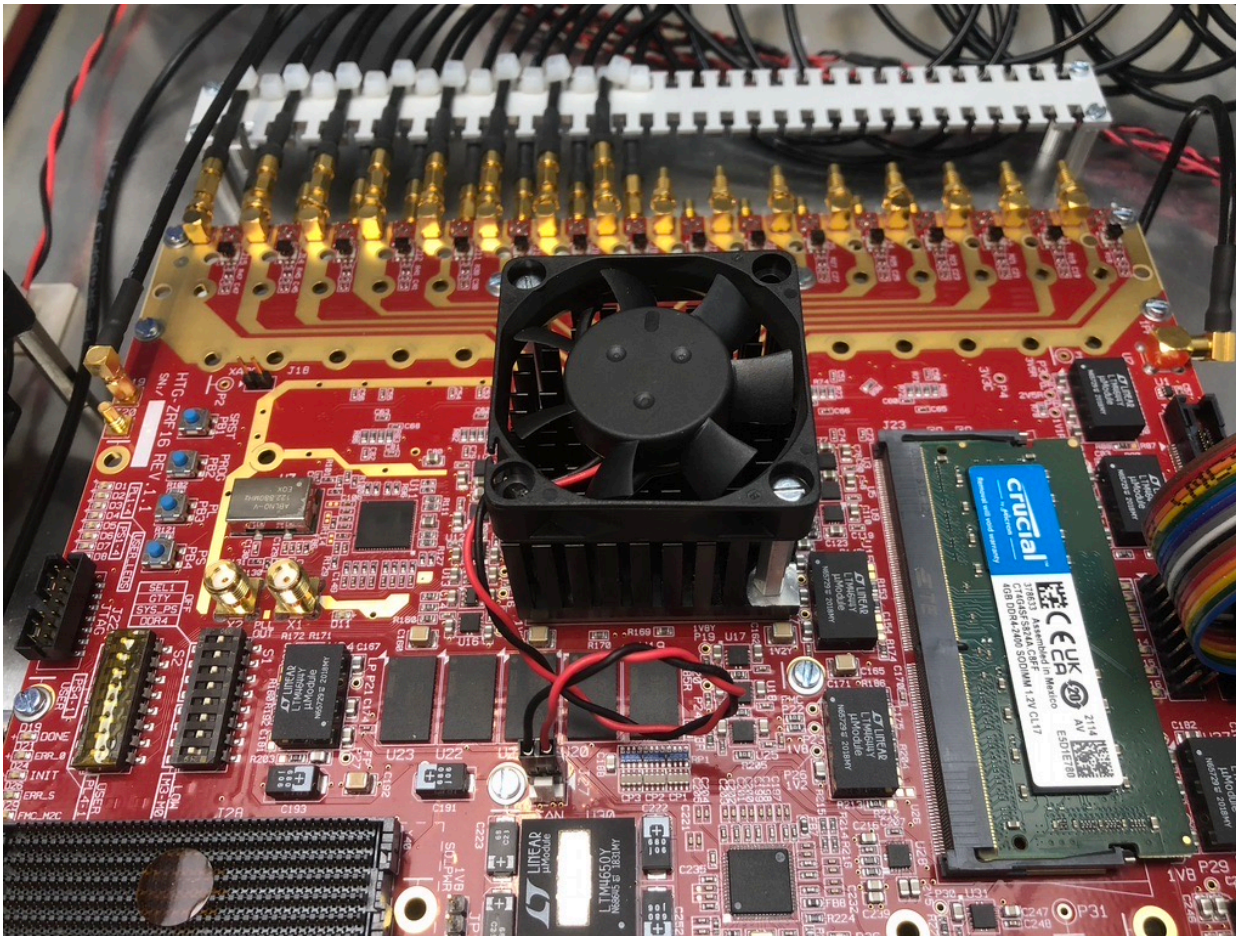


General Update

- SPR
 - Install of additional 30A sockets for rack power supply
 - RFSOC heatsink retrofitted
- Other
 - Wire harness construction for Antonio Feeds
 - RFSOC Enclosure construction
- Documentation:
 - Uploaded memos to GitHub
 - In process of writing up RFSOC design
- CHIME:
 - Geotechnical in prep
 - Clearing field in prep
 - Shasta County Use Permit APPROVED
- Antonio Feed
 - Quotes for 6 LNA modules
 - Quotes for 3 Feed bases
 - Get anechoic chamber from Minex
 - 2K installed and ready to be tested
 - 4J Cryo-Controller replaced
- ATA full buildout
 - PAM design and prototype
 - PAX control board (Mike / Todd)
 - Drive box control board
 - Control box replacement
 - Antenna PSU retrofit

RFSoc heatsink:

- Second generation about 25 deg improvement
- Voltage firmware:
 - 65 - 70 degC new
 - 90 - 95 degC original



```
(base) obsuser@obs-node1:~
```

```
rfsoc1_sensors
```

```
remote_temp = 68.4
```

```
pl_temp = 68.3
```

```
ps_temp = 64.9
```

```
rfsoc2_sensors
```

```
remote_temp = 70.7
```

```
pl_temp = 71.5
```

```
ps_temp = 66.1
```

```
rfsoc3_sensors
```

```
remote_temp = 71.4
```

```
pl_temp = 71.6
```

```
ps_temp = 69.0
```

```
rfsoc4_sensors
```

```
remote_temp = 68.7
```

```
pl_temp = 69.6
```

```
ps_temp = 64.0
```

```
rfsoc5_sensors
```

```
remote_temp = 69.9
```

```
pl_temp = 72.4
```

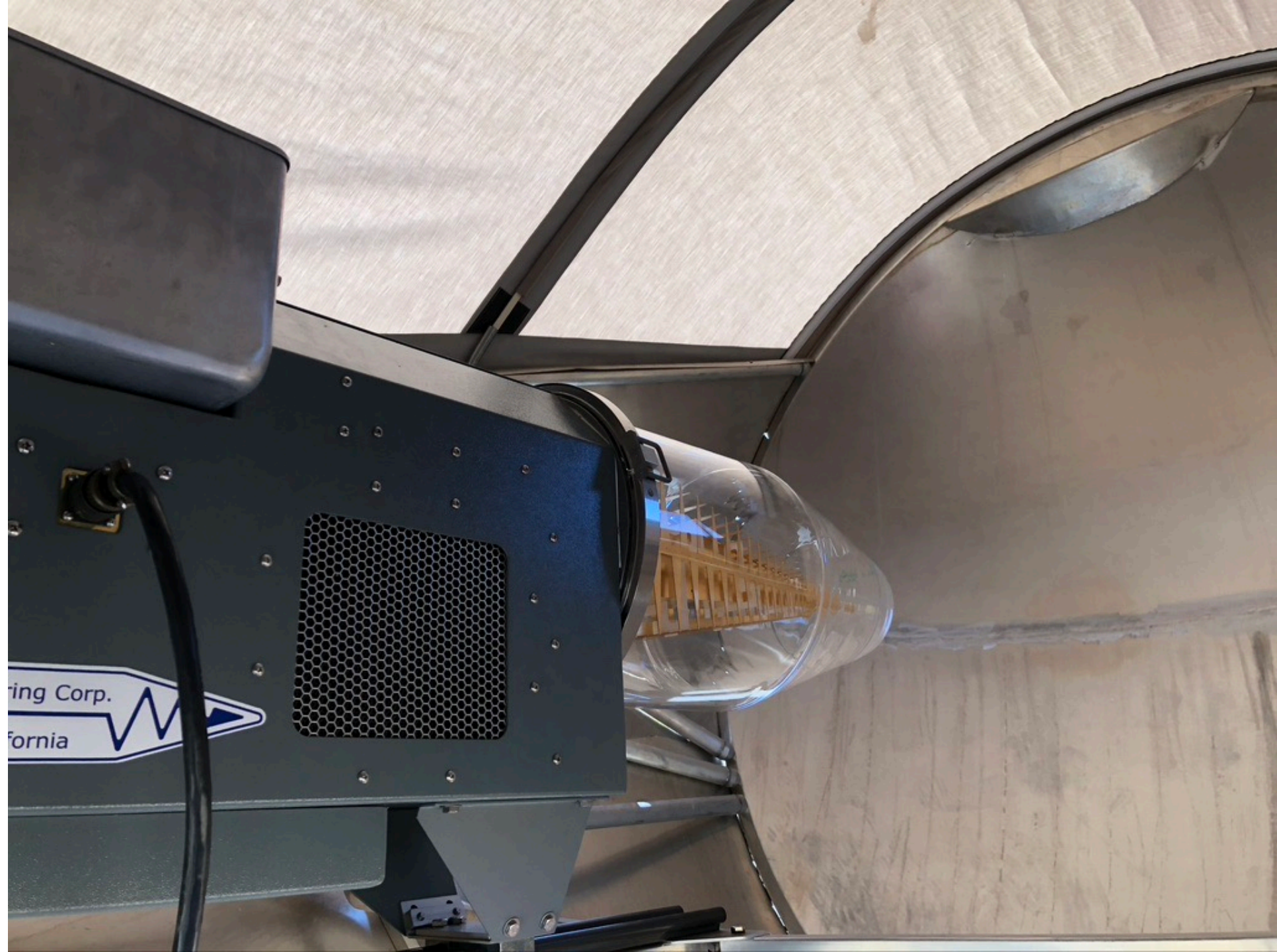
```
ps_temp = 67.6
```


2K installed again:

Currently cooling down

Next steps:

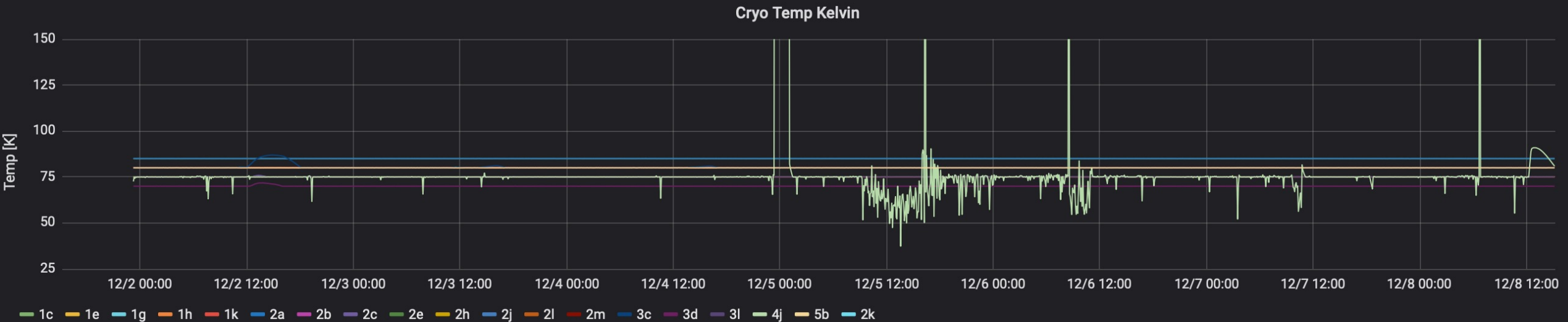
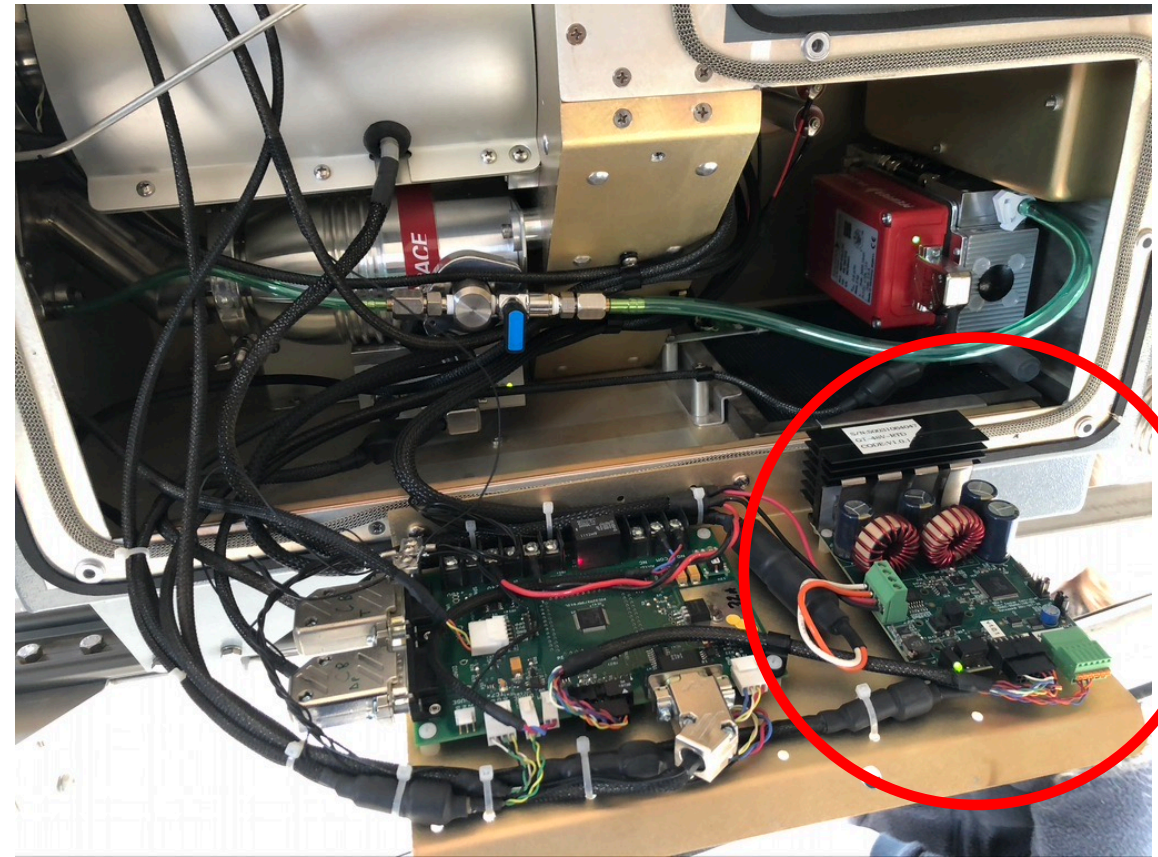
- pointing calibration
- SEFD measurement



4J Cryo-Controller replaced:

Temperature readout intermittent noise and cut outs

- Had similar issue in the past on a different antenna.
- Now monitoring to see if that solved the problem.




Antenna retrofit:

- Control box replacement, this week we managed to replace 10 old control boxes.
- 8 more control boxes need to be replaced
- Also discovered broken power supply boards, all of them are replaced



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


 master ▾


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Add file ▾

...

 AlexanderPollak added attemplifier memo

0d4320d 26 seconds ago  History

..

	2019-10 Antenna Tsys Measurement	added memos	4 months ago
	2020-01 Snap Board Enclosure	updated correct date of document	last month
	2020-02 PAX Power Level Control Software	added memos	4 months ago
	2020-09 ATA Dynamic Range Report	added memos	4 months ago
	2020-10 RFCB-Measurement Report	added memos	4 months ago
	2021-03 Interface & Rate Sheet	replaced old rate sheet	2 months ago
	2021-04 Pointing-Calibration	fix formatting	last month
	2021-07 Antonio Feed Buildout	added memos	4 months ago
	2021-08 Tsys-Calibration(RonMaddalena)	updated memo	2 months ago
	2021-09 ATA Beamformer	Add ATA GUPPI file format description	23 days ago
	2021-12 Attemplifier Module	added attemplifier memo	26 seconds ago
	.DS_Store	added attemplifier memo	26 seconds ago
	Readme.md	Update Readme.md	14 months ago