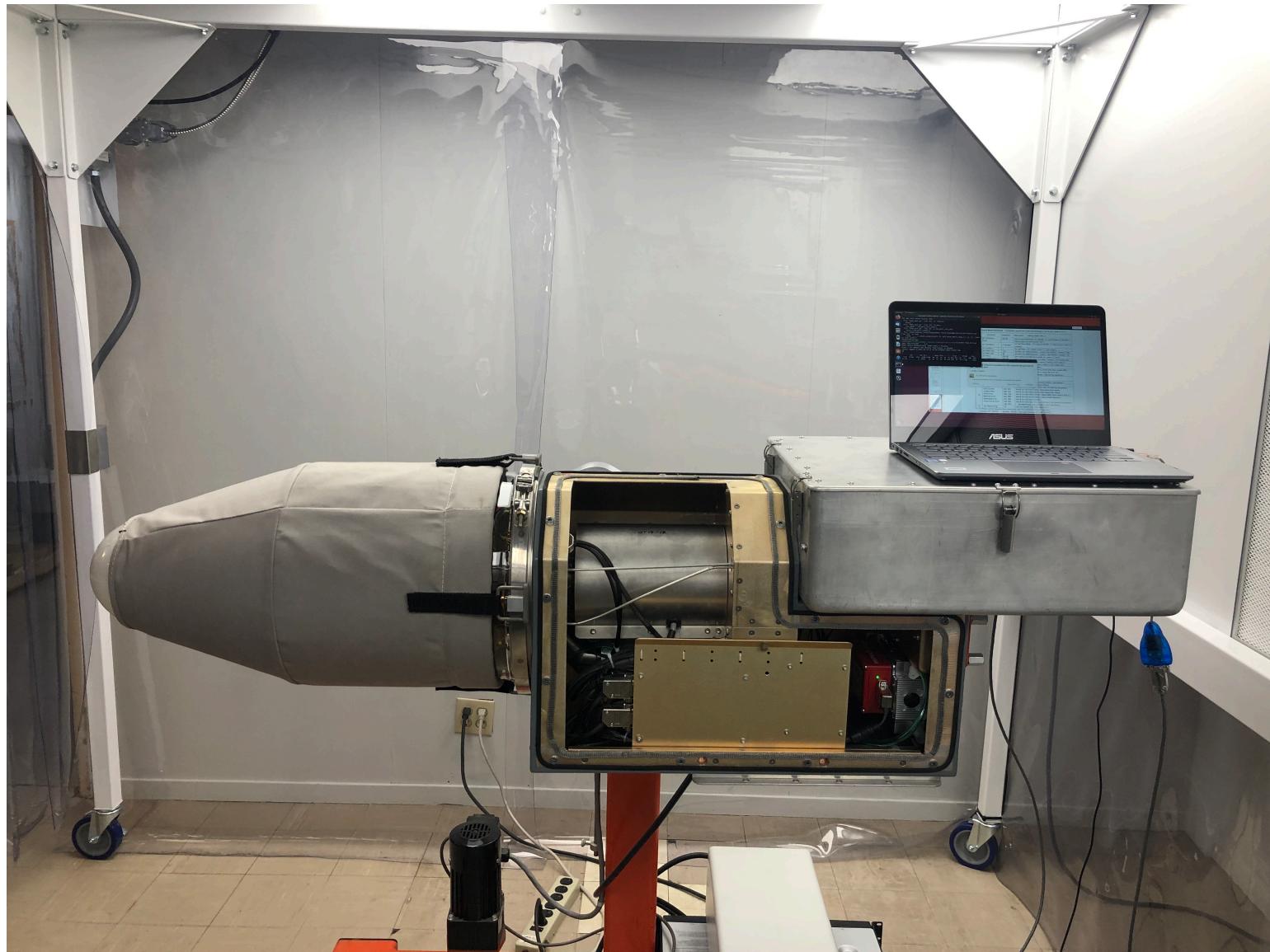


General Update

- SPR
 - Engineering downtime
 - Configure redundant FW DONE
 - Two more tests required, 15 min
 - AC replacement INITIATED
- Other
 - Working on component groups for Attemplifier and RFSoC enclosure.
 - Antenna retrofit for Antonio feeds.
 - Antenna control box retrofit
 - Build up of feed 002 cryo-cooler tuned
 - LNA bond wire investigated
 - Semi-Annual maintenance started
- 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

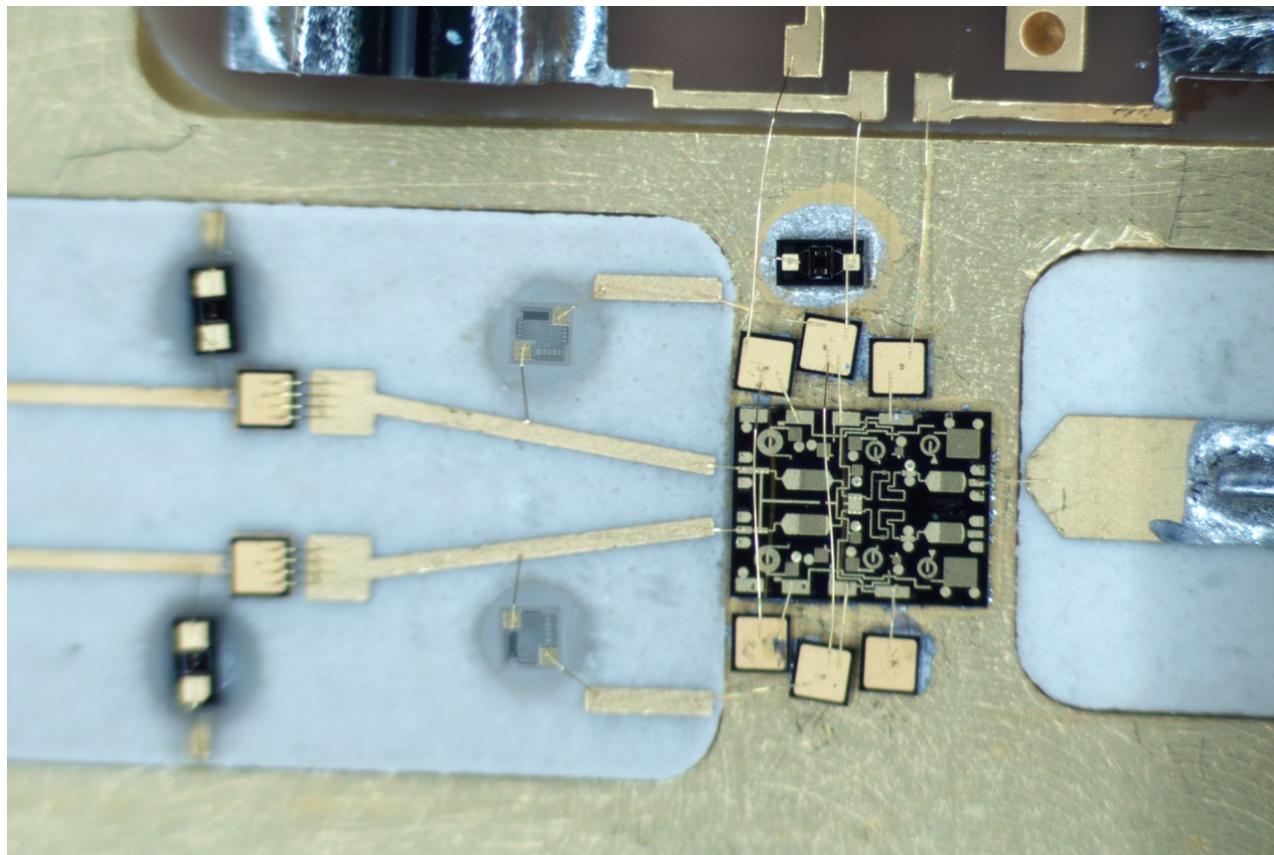
Feed 002:

- Buildup with new glass dome



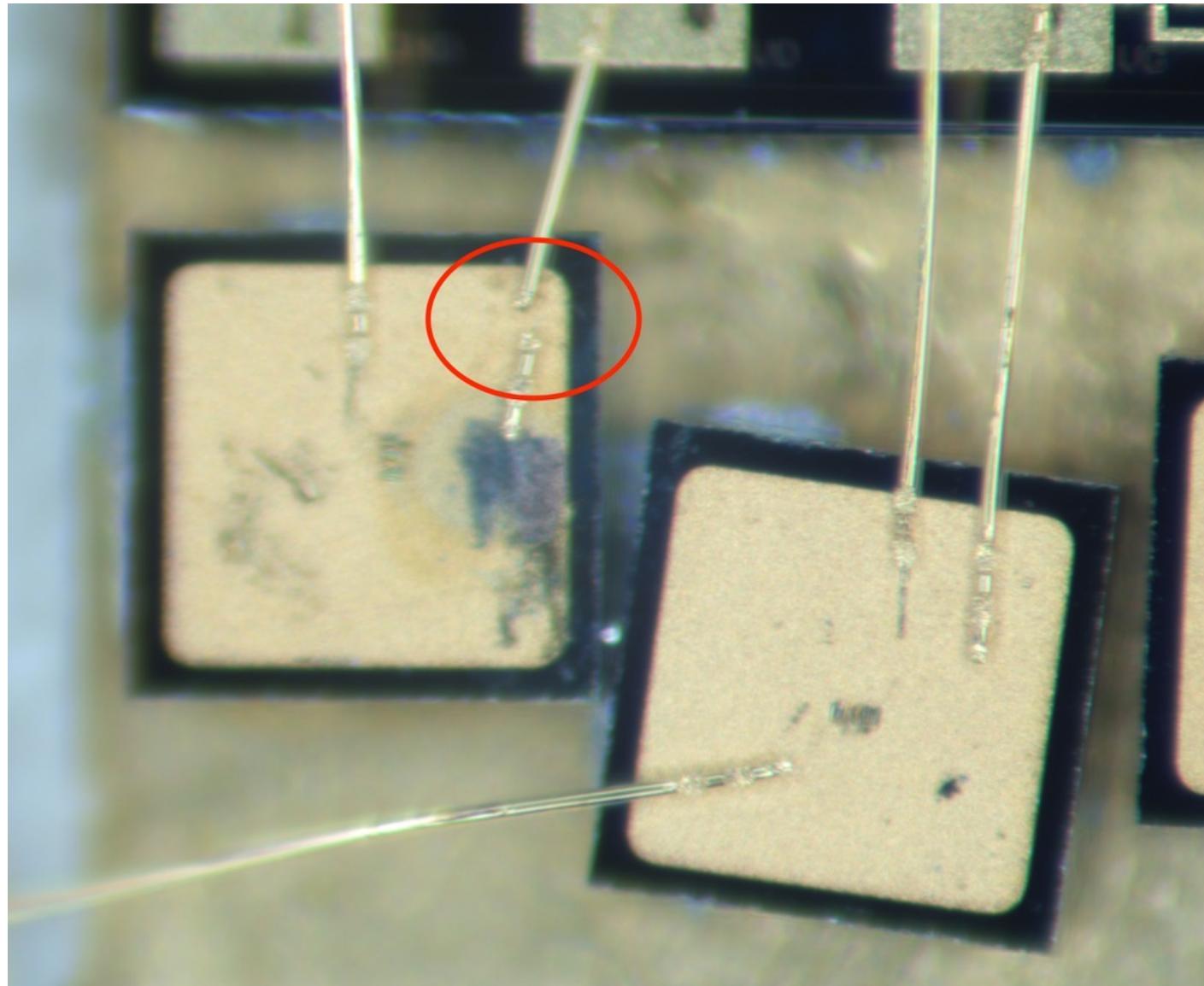
LNA 0061:

- broken wire bond



LNA 0061:

- broken wire bond



DSP Buildout:

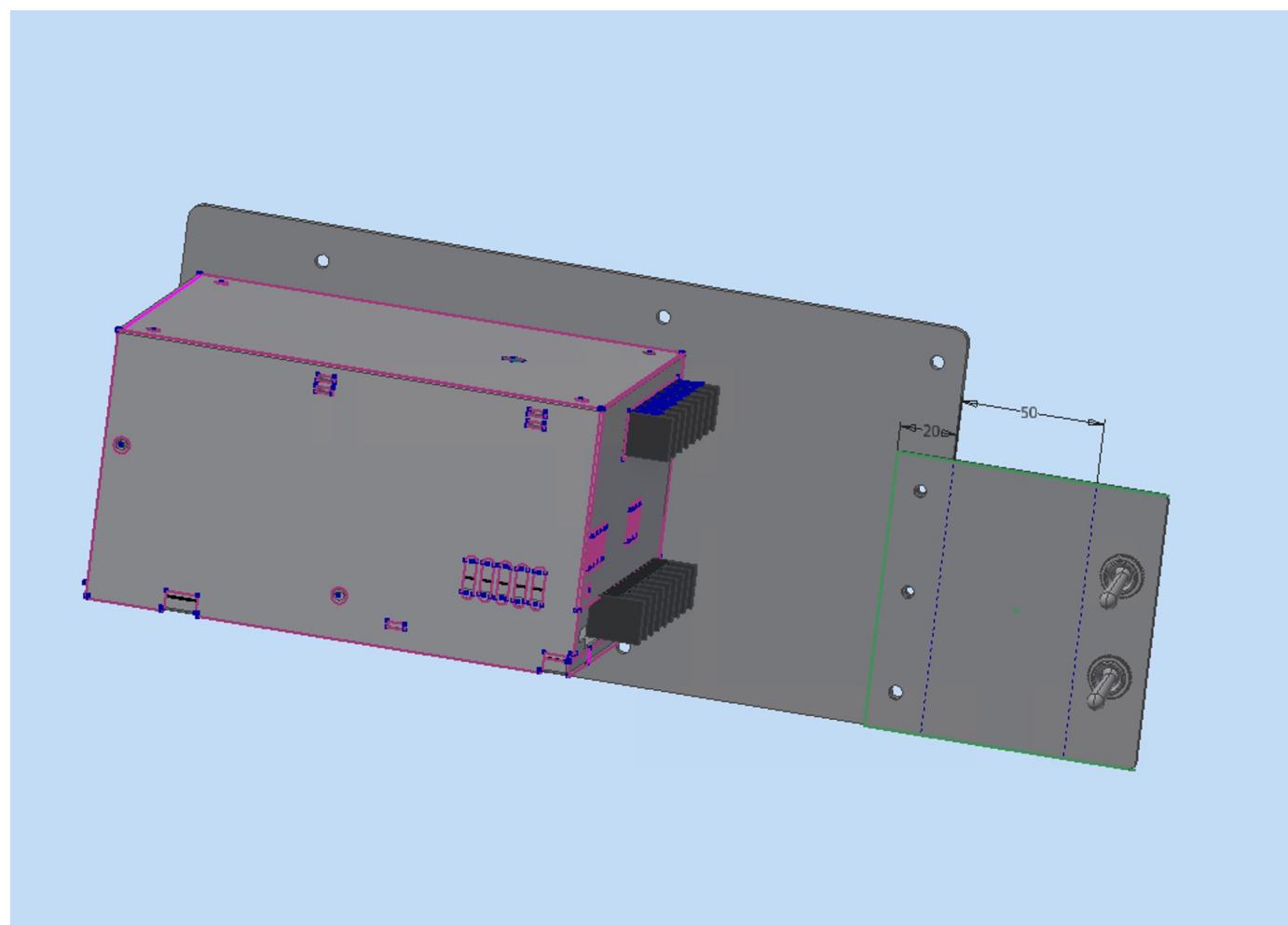


DSP Buildout:



Antenna retrofit:

- Sarah made the CAD design



Antenna retrofit:

- 19 antennas fully retrofitted
- spare parts for full retrofit



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

Antenna control box retrofit:



Antenna control box retrofit:



Maintenance 5C:



Maintenance 5C:



SETUP DONE:



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