

# General Update

- SPR
  - Cable management analog rack installation first part **DONE**
  - Moved DSP hardware into analog racks
  - Engineering downtime
    - Replace old compute racks
  - AC replacement
- 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
- Other
  - Attemplifer testing **DONE**
- Design work:
  - LO distribution
  - Weather station data connection and power supply
  - **Enclosure Control unit for PAX testing (LNA testing) DONE**
  - LNA test rig

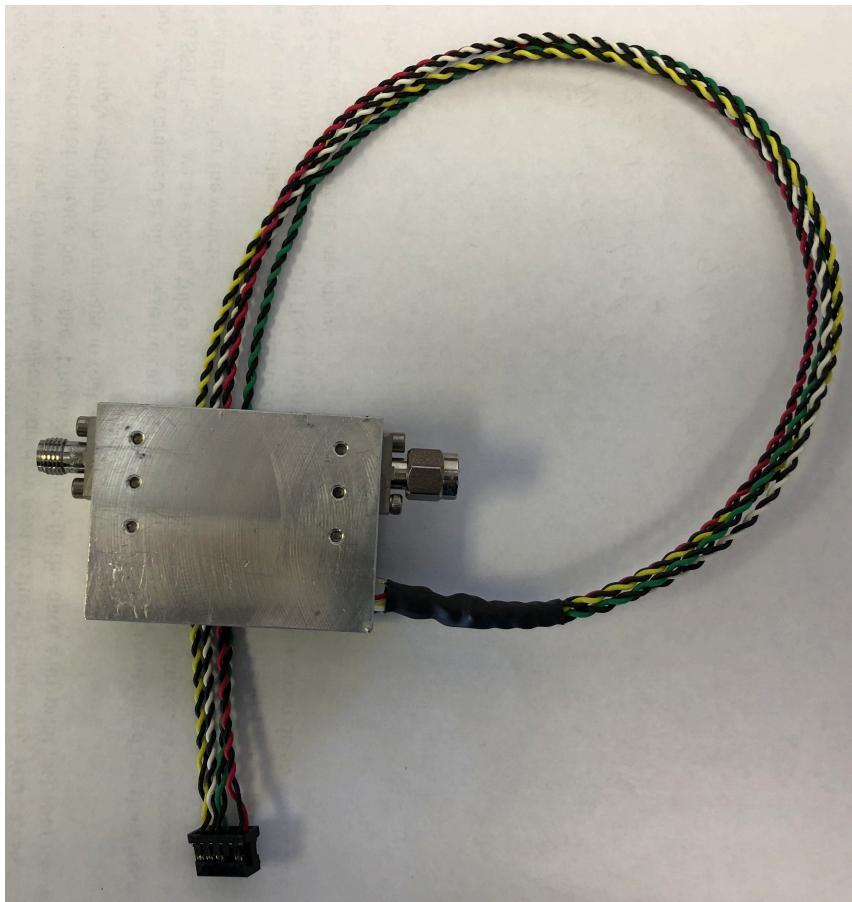


# Minex Engineering Schedule for SETI Work:

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	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				
210201A	PO 3626		Recive new LNAs and modify coax.				
		6 ea	Prep pyramid & arms for plating.				
		6 ea	Pyramids & arms to plater.				
			Feed SN 001, 003, 010, 016, 017, ???				
210202A	PO 3627	6 ea	Fabricate new LNA Modules.				
		6 ea	Feed complete with Modules & tip links.				
			Feed SN 001, 003, 010, 016, 017, ???				
210203A	PO 3628	6 ea	Pyramid, solder and complete.				
		6 ea	Arm sets, solder and complete.				

# Attemplifier:

- 336 required for full buildout
- 352 tested and in working condition
- 48 wired up



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 schoultzy Amp png [...](#) 2 days ago [History](#)

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 Component Measurements 2 days ago

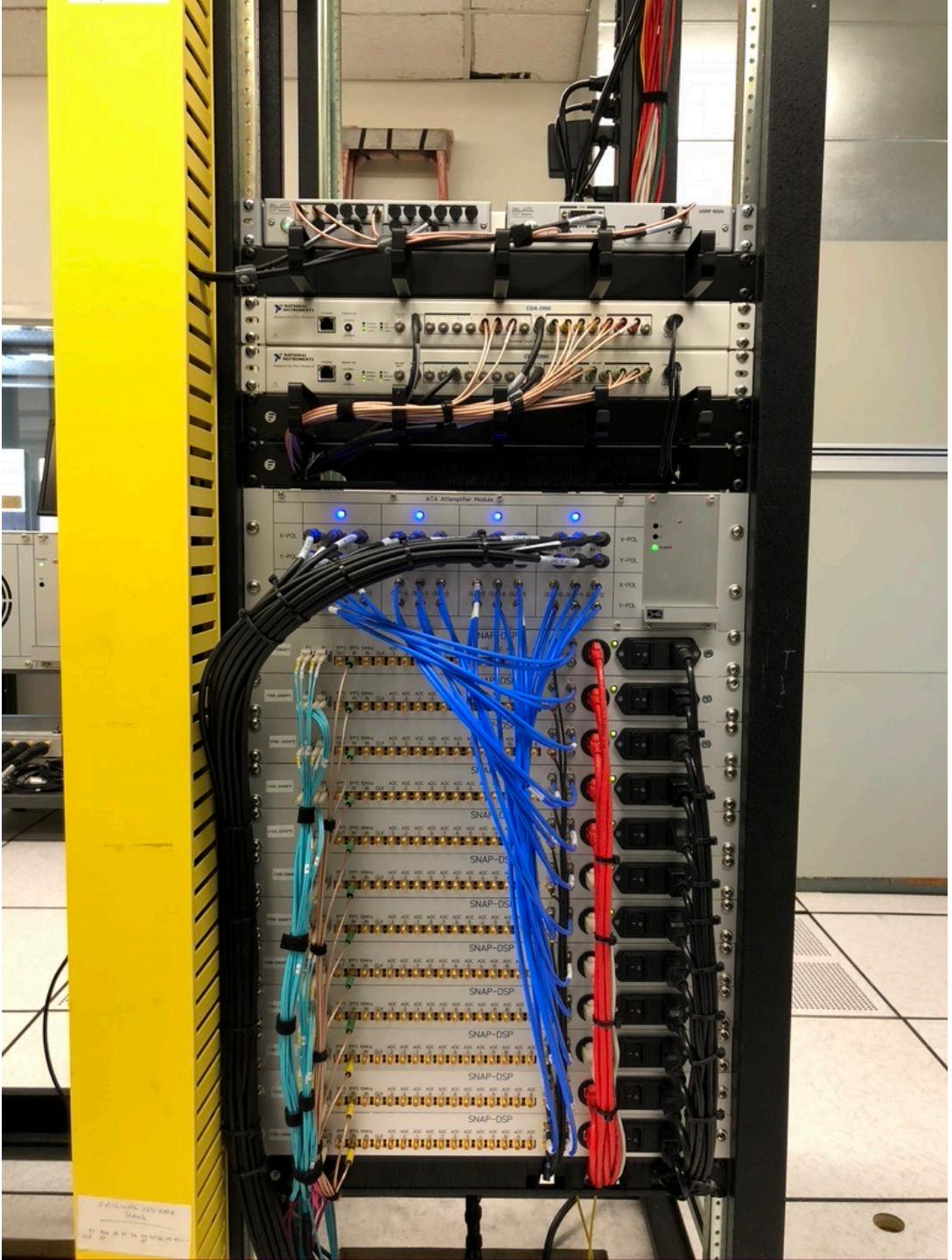
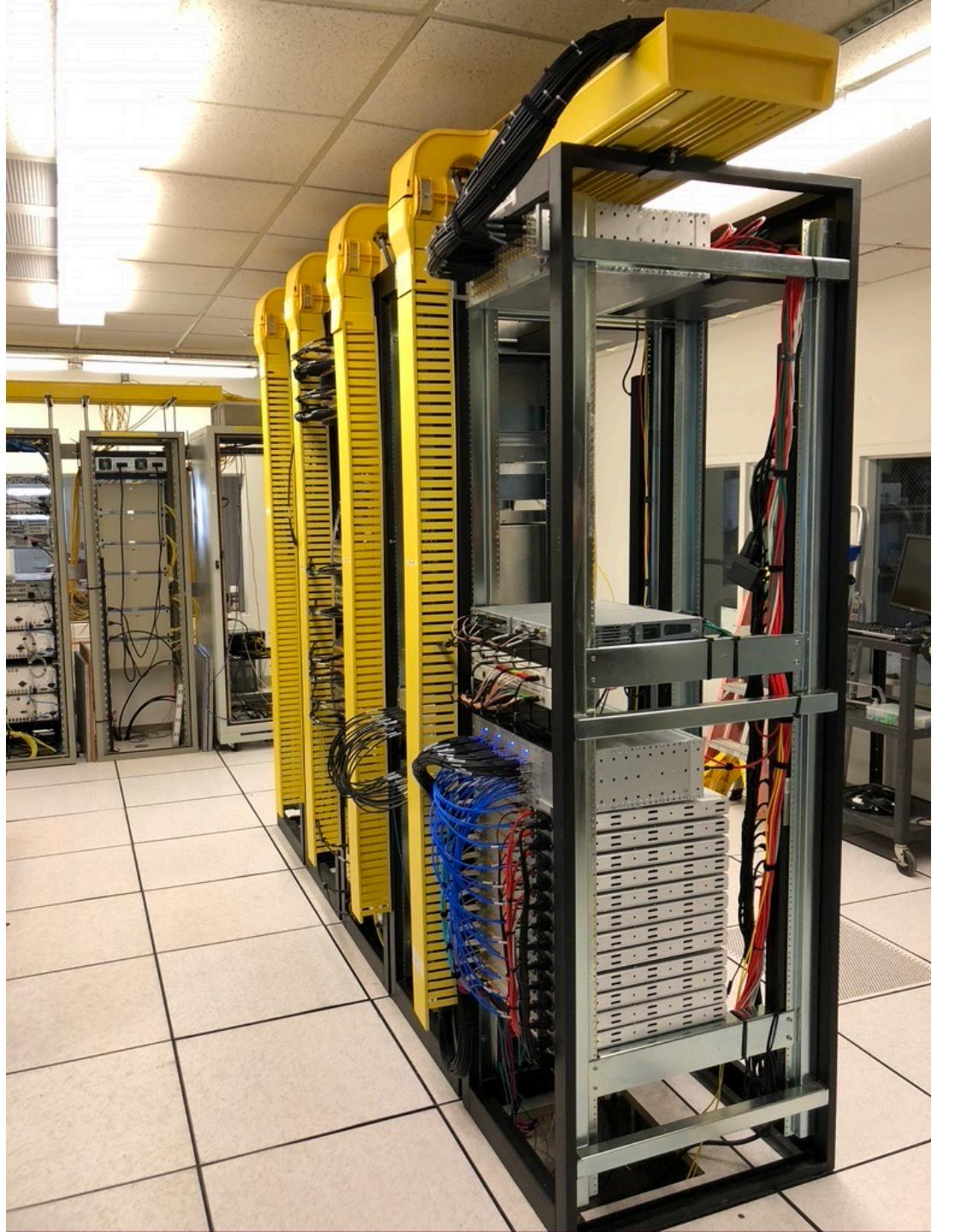
 .DS\_Store 2 days ago

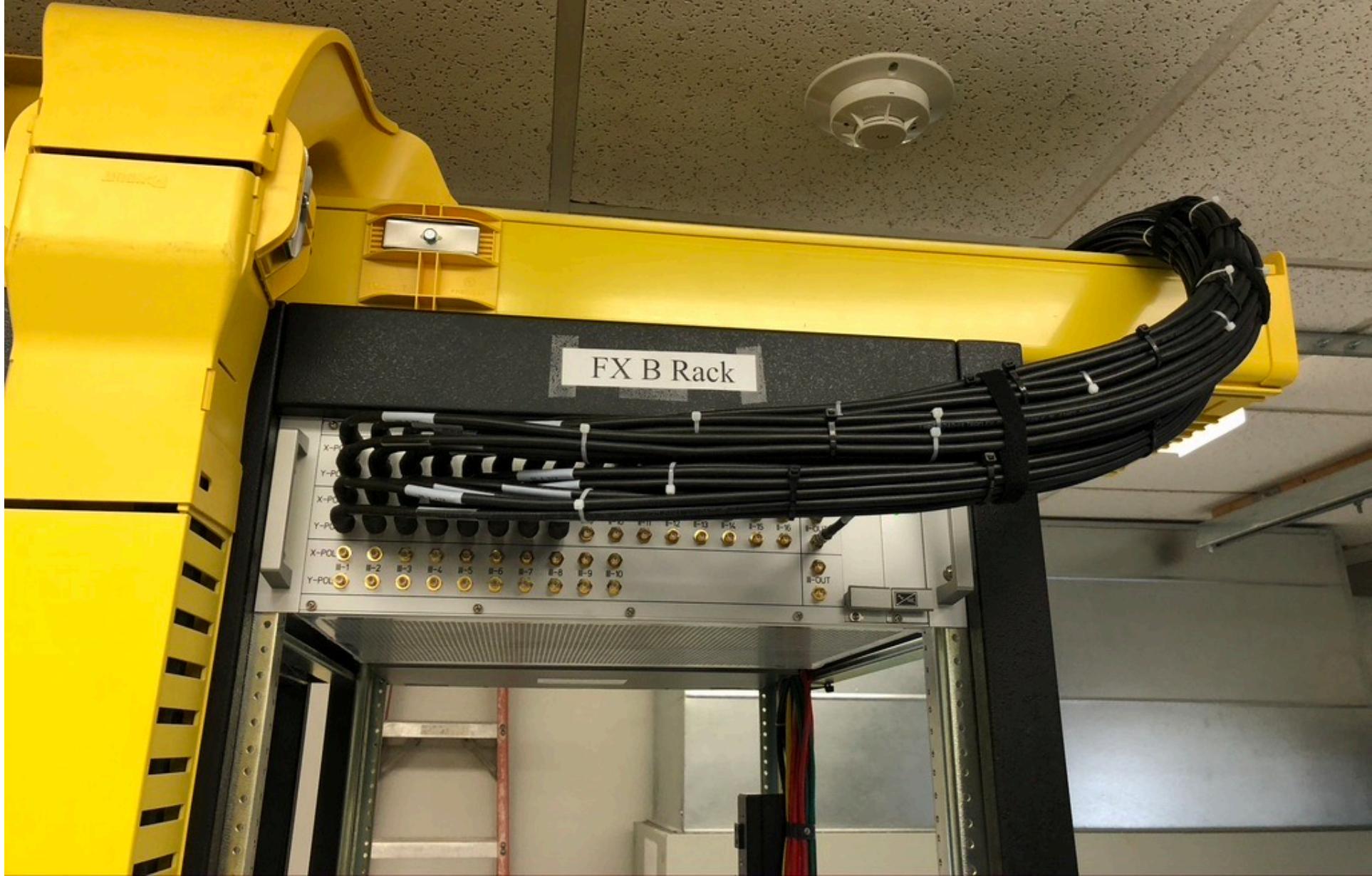
# Engineering Down Time:

- Move DSP hardware to analog racks









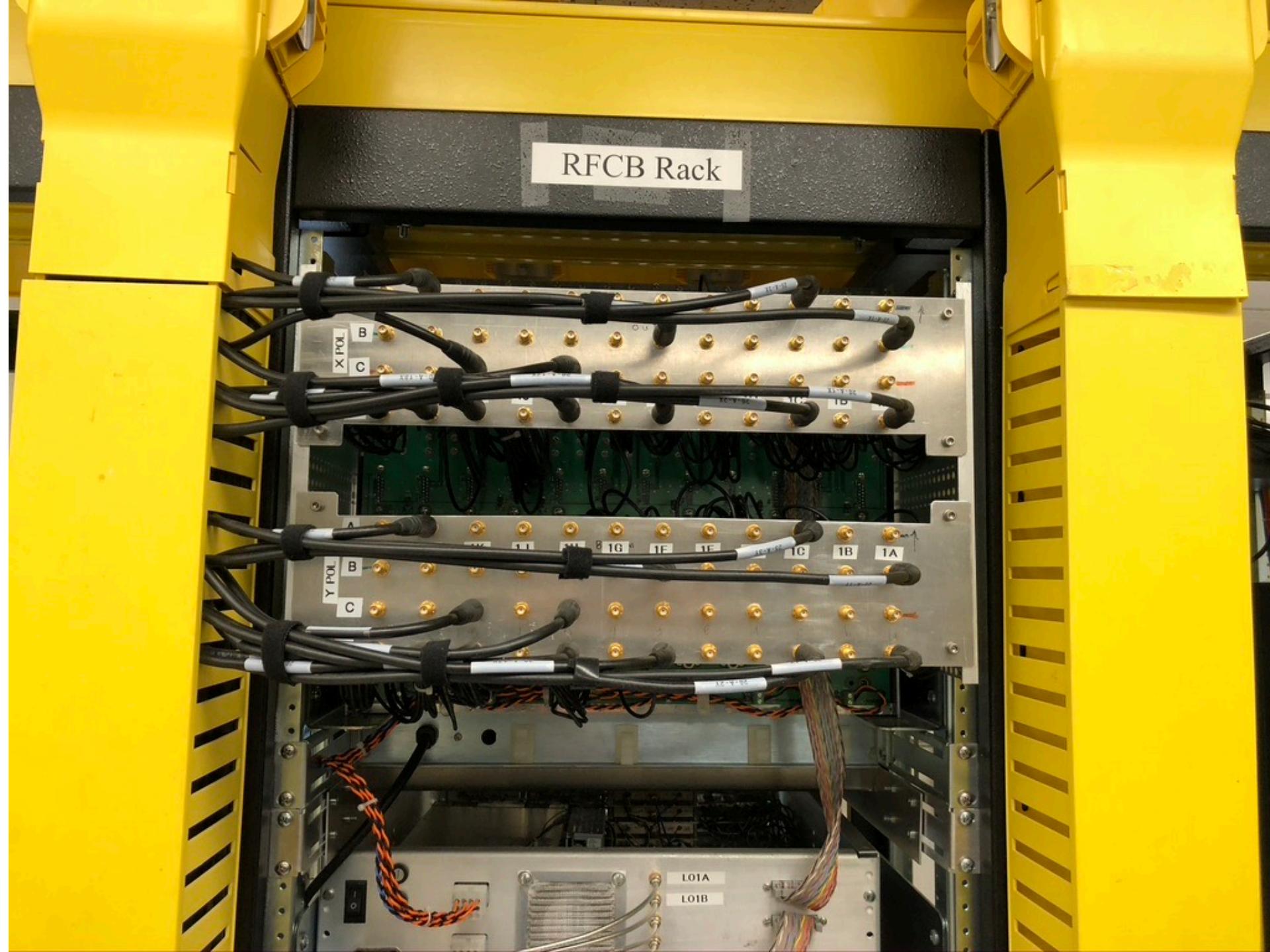
FX B Rack

X-POL  
Y-POL  
X-POL  
Y-POL  
X-POL  
Y-POL

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10

B-OUT

RFCB Rack



Network Management Card 2 X +

Getting Started Sophos Sophos OmniSIG Web OTA ... SD5 sis0

## Outlet Control

**Control Action**

No Action

**Apply to Outlets**

All Outlets

#	State	Outlet Name	Phase
1	On	SNAP-7	L1-N
2	On	SNAP-1	L1-N
3	On	SNAP-2	L1-N
4	On	SNAP-8	L1-N
5	On	SNAP-10	L1-N
6	On	SNAP-9	L1-N
7	On	SNAP-3	L1-N
8	On	SNAP-11	L1-N
9	On	SNAP-CLK	L1-N
10	On	SNAP-12	L1-N
11	On	SNAP-6	L1-N
12	On	SNAP-4	L1-N
13	On	SNAP-5	L1-N
14	On	SNAP-IF-Gain-Control	L1-N
15	On	USRP2 (N320)	L1-N
16	On	USRP1 (N321)	L1-N
17	On	Time Distribution	L1-N
18	On	GNU-Radio-IF-Switch	L1-N

## Phase Status

### Phase - L1

**Voltage**  
120 V

**Power**  
0.72 kW

**Apparent Power**  
1.01 kVA

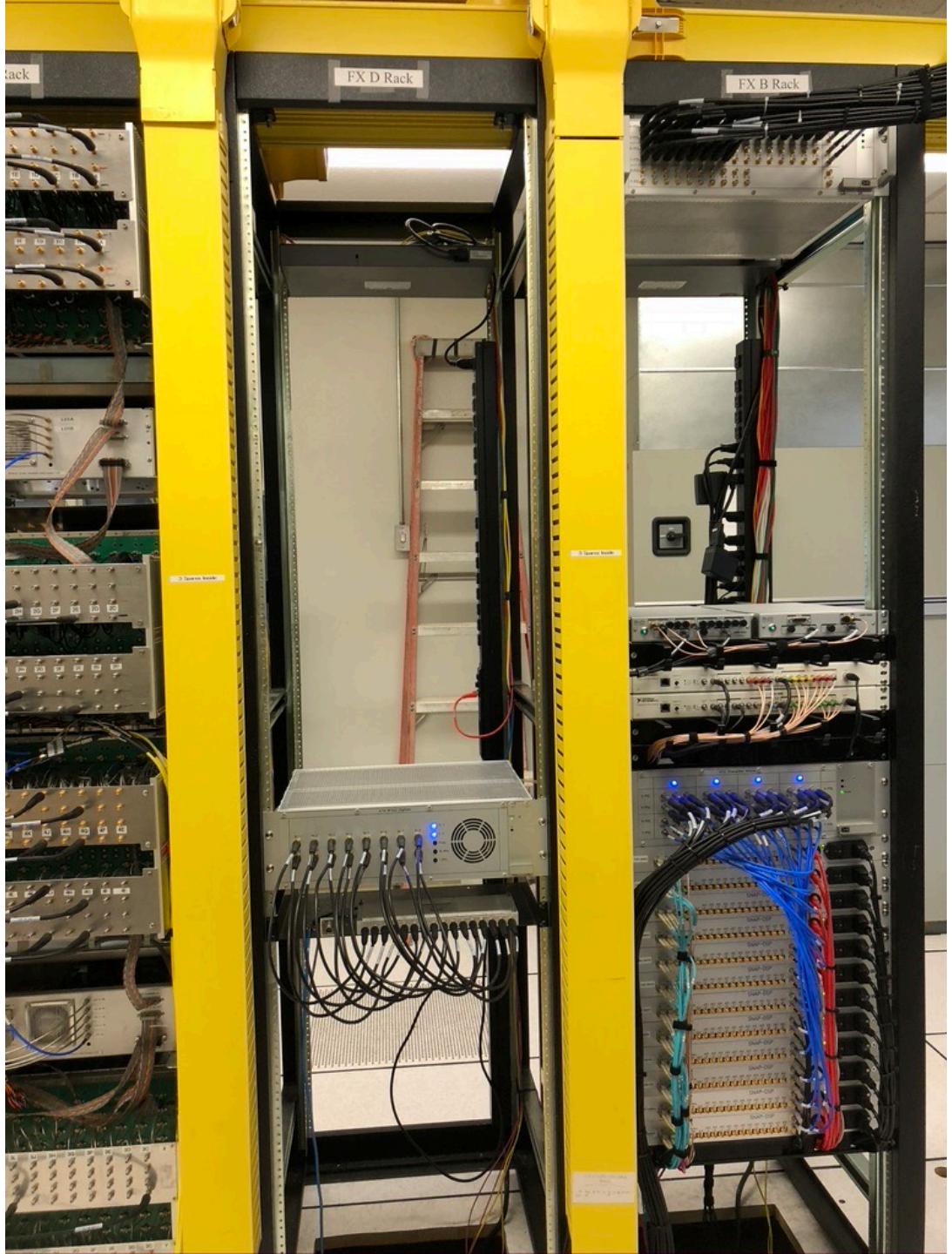
**Power Factor**  
0.71

**Current**  
8.4 A

**Normal Load**

**Peak Current**  
8.5 A

**Configure phase settings**



RFCB RACK C	DSP RACK D	DSP RACK E
12x RFCB	Access Switch (nw-sw11) 8x[1PPS & 10MHz] dist. 1- IF Gain Control 8x dual channel 1- RFSoC Digitizer 16 input 2.5GHz	Access Switch (nw-sw10) IF Switch 24x dual channel
LOA-D & LO2 Distribution		
12x RFCB		USRP N320&N321
12x RFCB		8x[1PPS & 10MHz] dist.
LOA-D & LO2 Distribution		8x[1PPS & 10MHz] dist.
6x RFCB	7- IF Gain Control 8x dual channel 7- RFSoC Digitizer 16 input 2.5GHz	IF Gain Control 12x dual channel
APC PDU 120V	APC PDU 120V	frb-snap1 frb-snap12
		Valon 5009 CLK
		APC PDU 120V

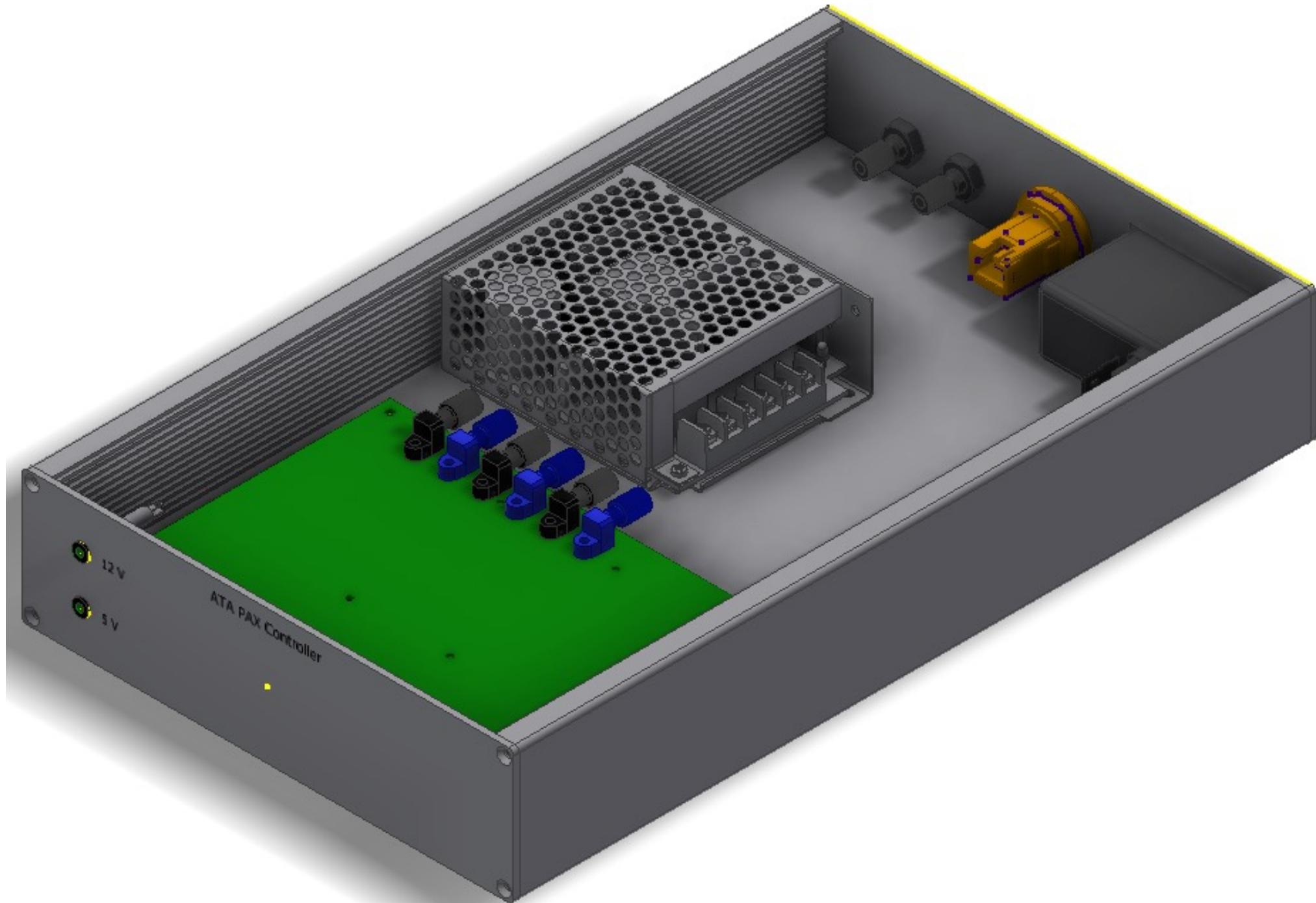
# Engineering Down Time:

- Replace old racks



# PAX Controller:

- Design DONE
- Parts ORDERED



# RFSoC:

- First ADC results

