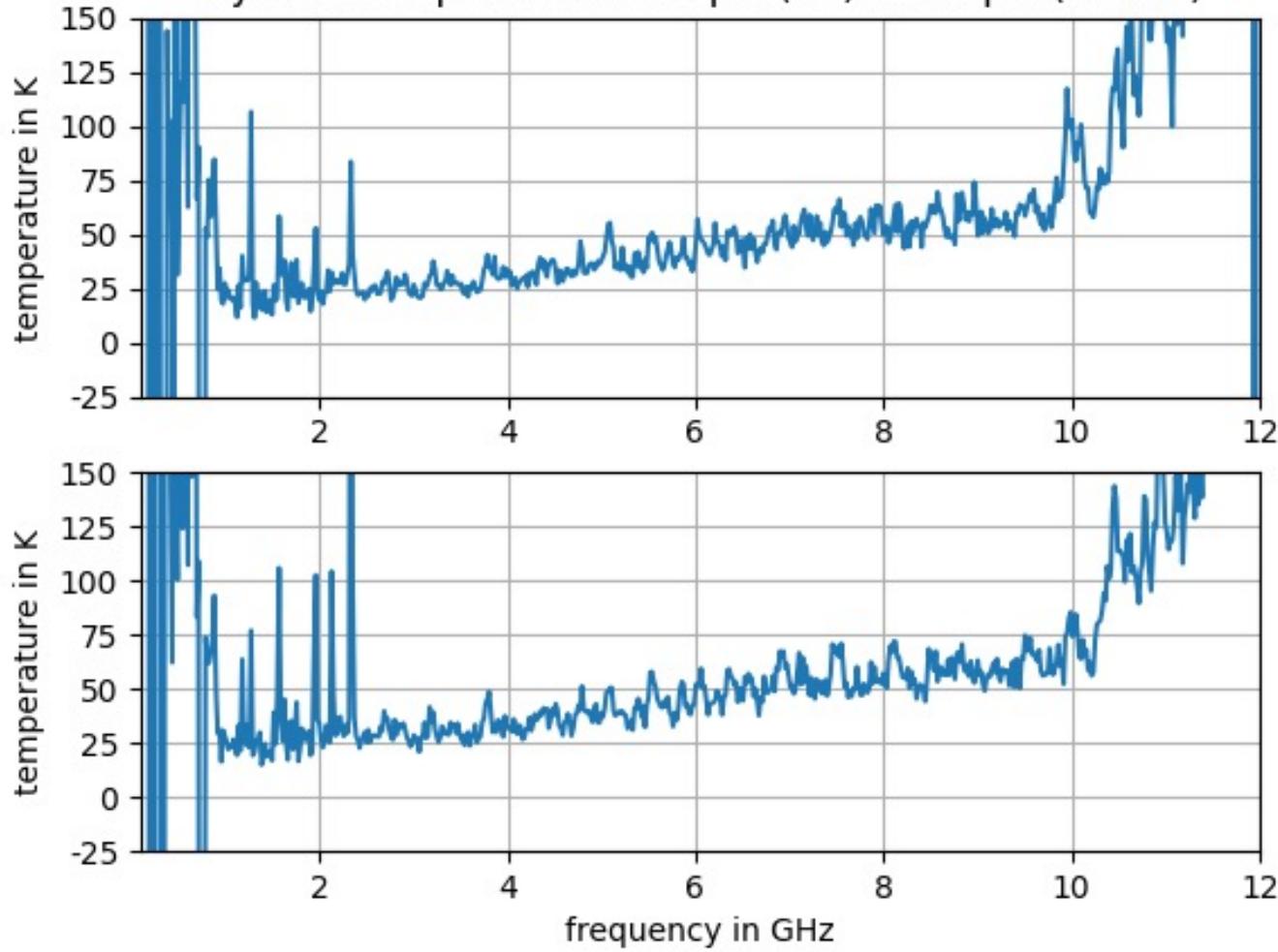


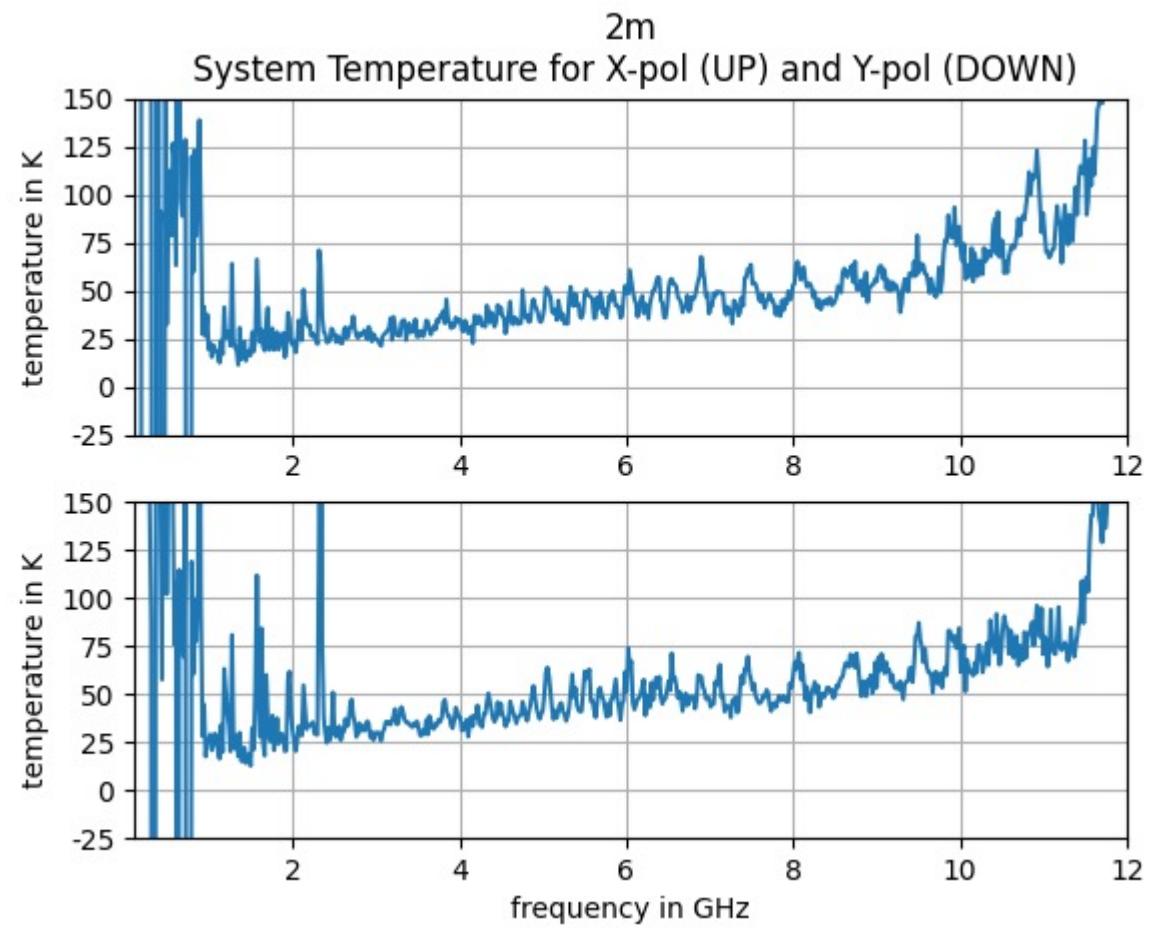
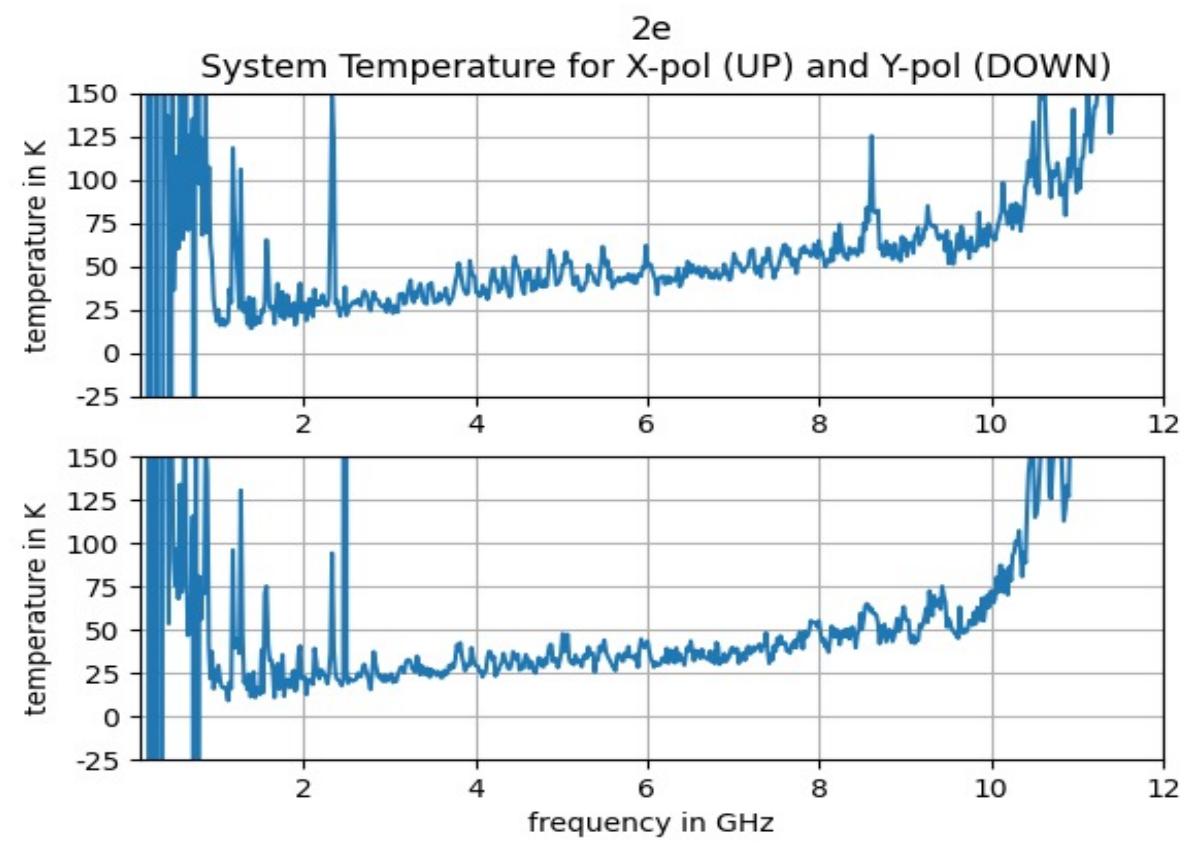
General Update

- SPR
 - Cable management analog rack installation ongoing
 - LO distribution
 - Engineering downtime next week.
 - SETUP signal generator for RFSoC digitizer
 - AC replacement
- Design work:
 - LO distribution
 - Weather station data connection and power supply
 - Enclosure Control unit for PAX testing (LNA testing)
 - LNA test rig
- Antonio Feed
 - LNAs Arrived
 - Feed 014 installed and tested 2E
 - Feed 011 installed and tested 2J
 - Feed 008 installed and tested 2M
 - 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

2j

System Temperature for X-pol (UP) and Y-pol (DOWN)



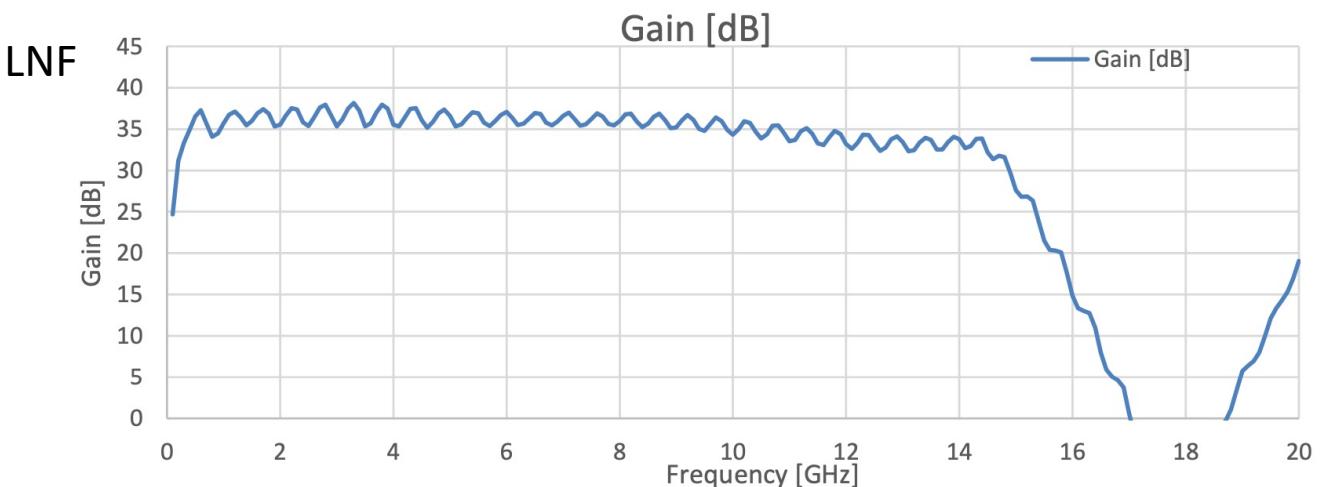
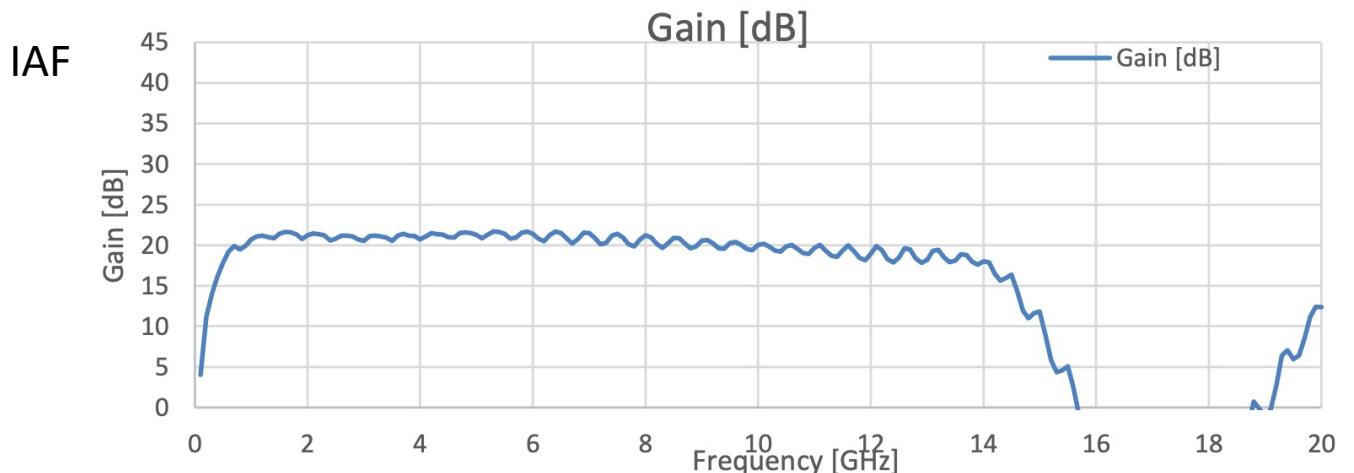


Minex Engineering Schedule for SETI Work:

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.				

LNAs:

- 44 LNF LNAs
- 6 IAF LNAs
- Potential 2x IAF and 2x LNF (first delivery)



Low Noise Factory LNA Shipments

#	Date Rec'd	Qty.	LNF S.N. LNF P.N. ATA-2013	Minex S.N.	Comments
1	2013-11-03	1	LNF-ABNC1_15A sn0001A	C-0001A(F)	
		2	LNF-ABNC1_15A sn0002A	C-0002A(C)	
		3	LNF-ABNC1_15A sn0002A	C-0003A(C)	
		4	LNF-ABNC1_15A sn0002A	C-0004A(F)	
2	2015-03-05	1	LNF-ABNC1_15A sn0012A	C-0012A	
		2	LNF-ABNC1_15A sn0062A	C-0039A	
		3	LNF-ABNC1_15A sn0055A	C-0055A	
		4	LNF-ABNC1_15A sn0062A	C-0062A	
3	2015-09-04	1	LNF-ABNC1_15A sn0018A	C-0018A	
		2	LNF-ABNC1_15A sn0028A	C-0028A	
		3	LNF-ABNC1_15A sn0040A	C-0040A	
		4	LNF-ABNC1_15A sn0043A	C-0043A	
		5	LNF-ABNC1_15A sn0044A	C-0044A	
		6	LNF-ABNC1_15A sn0047A	C-0047A	
		7	LNF-ABNC1_15A sn0050A	C-0050A	
		8	LNF-ABNC1_15A sn0052A	C-0052A	
		9	LNF-ABNC1_15A sn0061A	C-0061A	Broken wirebond
		10	LNF-ABNC1_15A sn0071A	C-0071A	
4	2015-09-08	1	LNF-ABNC1_15A sn0013A	C-0013A	Structure / low dB
		2	LNF-ABNC1_15A sn0015A	C-0015A	
		3	LNF-ABNC1_15A sn0023A	C-0023A	
		4	LNF-ABNC1_15A sn0024A	C-0024A	
		5	LNF-ABNC1_15A sn0041A	C-0041A	
		6	LNF-ABNC1_15A sn0045A	C-0045A	
		7	LNF-ABNC1_15A sn0048A	C-0048A	
		8	LNF-ABNC1_15A sn0057A	C-0057A	
		9	LNF-ABNC1_15A sn0059A	C-0059A	
		10	LNF-ABNC1_15A sn0083A	C-0083A	
5	2015-10-14	1	LNF-ABNC1_15A sn0019A	C-0019A	
		2	LNF-ABNC1_15A sn0021A	C-0021A	
		3	LNF-ABNC1_15A sn0030A	C-0030A	
		4	LNF-ABNC1_15A sn0037A	C-0037A	
		5	LNF-ABNC1_15A sn0056A	C-0056A	
		6	LNF-ABNC1_15A sn0060A	C-0060A	
		7	LNF-ABNC1_15A sn0064A	C-0064A	
		8	LNF-ABNC1_15A sn0068A	C-0068A	
		9	LNF-ABNC1_15A sn0073A	C-0073A	
		10	LNF-ABNC1_15A sn0084A	C-0084A	
6	2017-03-03	1	LNF-ABNC1_15A sn0016A	C-0016A	
		2	LNF-ABNC1_15A sn0017A	C-0017A	
		3	LNF-ABNC1_15A sn0034A	C-0034A	
		4	LNF-ABNC1_15A sn0046A	C-0046A	
		5	LNF-ABNC1_15A sn0053A	C-0053A	
		6	LNF-ABNC1_15A sn0072A	C-0072A	
		7	LNF-ABNC1_15A sn0075A	C-0075A	
		8	LNF-ABNC1_15A sn0082A	C-0082A	
		9	LNF-ABNC1_15A sn0085A	C-0085A	
		10	LNF-ABNC1_15A sn0099A	C-0099A	
7	2021-03-25	1	LNF-ABLNC1_15A sn0027A_v2	C-0027F	
		2	LNF-ABLNC1_15A sn0032A_v2	C-0032F	
		3	LNF-ABLNC1_15A sn0058A_v2	C-0058F	
		4	LNF-ABLNC1_15A sn0066A_v2	C-0066F	
		5	LNF-ABLNC1_15A sn0067A_v2	C-0067F	
		6	LNF-ABLNC1_15A sn0098A_v2	C-0098F	

LNAS:

- LNF LNAs we are at approx. 41K at 5GHz
- IAF LNAs we are at approx. 68K at 5GHz

Component	Gain dB	Physical temp (K)	Gain temp (K)	Running Gain (dB)	Power at this stage (dBm)	(P1dB)	Dynamic Range (dB)	Tsys (K)
CMB	0.000	2.7	0	0	-92.53	-	-	2.700
Atmosphere	-0.060	220.0	0	-0.060	-89.30	-	-	5.761
Dish	-0.020	290.0	0	-0.080	-88.40	-	-	7.118
Mirror	-0.020	290.0	0	-0.100	-87.66	-	-	8.481
Radome	0.000	290.0	0	-0.100	-87.66	-	-	8.481
Feed	-0.040	80.0	0	-0.140	-87.32	-	-	9.239
Link-Capacitor	-0.300	80.0	0	-0.440	-85.48	-	-	15.148
Cable1	-0.100	80.0	0	-0.540	-85.02	-	-	17.210
LNA	20.000	0.0	20	19.460	-61.38	-10.00	51.38	39.858
SS cable	1.500	80.0	0	17.960	-62.83	-	-	40.231
Feedthru SMA	-0.100	290.0	0	17.860	-62.92	-	-	40.340
SS cable	-2.000	290.0	0	15.860	-64.63	-	-	43.116
Bandwidth red. 12/15 GHz	-1.000	0.0	0	14.860	-65.63	-	-	43.116
NDA-412	12.000	0.0	630	26.860	-51.94	14.00	65.94	63.691
Filter	-3.000	0.0	0	23.860	-54.94	-	-	63.691
HMC424	0.000	0.0	0	23.860	-54.94	22.00	76.94	63.691
NDA-412	12.000	0.0	630	35.860	-42.77	14.00	56.77	66.281
Slope Compensator	-2.000	0.0	0	33.860	-44.77	-	-	66.281
NDA-412	12.000	0.0	630	45.860	-32.75	14.00	46.75	66.540
Slope Compensator	-2.000	0.0	0	43.860	-34.75	-	-	66.540
NDA-412	12.000	0.0	630	55.860	-22.75	14.00	36.75	66.566
HMC424	-10.000	0.0	0	45.860	-32.75	22.00	54.75	66.566
NDA-412	12.000	0.0	630	57.860	-20.75	14.00	34.75	66.582
Slope Compensator	-2.000	0.0	0	55.860	-22.75	-	-	66.582
NDA-412	12.000	0.0	630	67.860	-10.75	14.00	24.75	66.584
PAM output cable to OTX	0.000	0.0	0	67.860	-10.75	-	-	66.584
NX8560LJ-CC189	0.000	0.0	0	67.860	-10.75	11.60	22.35	66.584
Fiber cable	-35.000	290.0	7284180	32.860	-45.66	-	-	67.926
DSC-40S	0.000	0.0	0	32.860	-45.66	-	-	67.926
NDA-412	12.000	0.0	630	44.860	-33.64	14.00	47.64	68.253
NDA-412	12.000	0.0	630	56.860	-21.64	14.00	35.64	68.273
NDA-412	12.000	0.0	630	68.860	-9.64	14.00	23.64	68.274
4-way Wilkinson Divider	-6.000	290.0	0	62.860	-15.64	-	-	68.274
NDA-412	12.000	0.0	630	74.860	-3.64	14.00	17.64	68.275
Stepped Impedance Filter	-1.000	290.0	0	73.860	-4.64	-	-	68.275
Fixed Attenuator	-10.000	290.0	0	63.860	-14.64	-	-	68.275
HMC260	-7.500	290.0	0	56.360	-22.14	12.00	34.14	68.275
BP700MHz	-3.500	290.0	0	52.860	-25.64	-	-	68.276
Bandwidth red. 0.7/12 GHz	-12.300	0.0	0	40.560	-37.94	-	-	68.276
HMC516	20.500	0.0	170	61.060	-17.44	14.00	31.44	68.291
HMC412	-8.000	290.0	0	53.060	-25.44	11.50	36.94	68.292
SGA-2286	15.000	0.0	360	68.060	-10.44	8.30	18.74	68.294
RFCB output cable	-0.100	290.0	0	67.960	-10.54	-	-	68.294
LMR-240 25ft	-1.500	290.0	0	66.460	-12.04	-	-	68.294
AA06-xxH	-10.000	0.0	0	56.460	-22.04	-	-	68.294
ZX60-43-S+	22.000	0.0	715	78.460	-0.04	17.30	17.34	68.296
ZX76-31R5A-SPS+	-19.000	290.0	0	59.460	-19.04	22.00	41.04	68.296
AFX-CA-141-xx	-0.100	290.0	0	59.360	-19.14	-	-	68.296
EVA8AQ160 ADC	-0.050	290.0	0	59.310	-19.19	0.00	19.19	68.296

LNAS:

- LNF LNAs we are at approx. 41K at 5GHz
- IAF LNAs we are at approx. 45K at 5GHz

Component	Gain dB	Physical temp (K)	Gain temp (K)	Running Gain (dB)	Power at this stage (dBm)	(P1dB)	Dynamic Range (dB)	Tsys (K)
CMB	0.000	2.7	0	0	-92.53	-	-	2.700
Atmosphere	-0.060	220.0	0	-0.060	-89.30	-	-	5.761
Dish	-0.020	290.0	0	-0.080	-88.40	-	-	7.118
Mirror	-0.020	290.0	0	-0.100	-87.66	-	-	8.481
Radome	0.000	290.0	0	-0.100	-87.66	-	-	8.481
Feed	-0.040	80.0	0	-0.140	-87.32	-	-	9.239
Link-Capacitor	-0.300	80.0	0	-0.440	-85.48	-	-	15.148
Cable1	-0.100	80.0	0	-0.540	-85.02	-	-	17.210
LNA	20.000	0.0	20	19.460	-61.38	-10.00	51.38	39.858
SS cable	-1.500	80.0	0	17.960	-62.83	-	-	40.231
Feedthru SMA	-0.100	290.0	0	17.860	-62.92	-	-	40.340
AOX LNA	27.000	0.0	200	44.860	-35.58	14.50	50.08	43.613
SS cable	2.000	290.0	0	42.860	-37.58	-	-	43.619
Bandwidth red. 12/15 GHz	-1.000	0.0	0	41.860	-38.58	-	-	43.619
NDA-412	12.000	0.0	630	53.860	-26.58	14.00	40.58	43.660
Filter	-3.000	0.0	0	50.860	-29.58	-	-	43.660
HMC424	-15.000	0.0	0	35.860	-44.58	22.00	66.58	43.660
NDA-412	12.000	0.0	630	47.860	-32.56	14.00	46.56	43.823
Slope Compensator	-2.000	0.0	0	45.860	-34.56	-	-	43.823
NDA-412	12.000	0.0	630	57.860	-22.56	14.00	36.56	43.840
Slope Compensator	-2.000	0.0	0	55.860	-24.56	-	-	43.840
NDA-412	12.000	0.0	630	67.860	-12.56	14.00	26.56	43.841
HMC424	-20.000	0.0	0	47.860	-32.56	22.00	54.56	43.841
NDA-412	12.000	0.0	630	59.860	-20.56	14.00	34.56	43.851
Slope Compensator	-2.000	0.0	0	57.860	-22.56	-	-	43.851
NDA-412	12.000	0.0	630	69.860	-10.56	14.00	24.56	43.853
PAM output cable to OTX	0.000	0.0	0	69.860	-10.56	-	-	43.853
NX8560LJ-CC189	0.000	0.0	0	69.860	-10.56	11.60	22.16	43.853
Fiber cable	-35.000	290.0	7284180	34.860	-45.48	-	-	44.699
DSC-40S	0.000	0.0	0	34.860	-45.48	-	-	44.699
NDA-412	12.000	0.0	630	46.860	-33.46	14.00	47.46	44.905
NDA-412	12.000	0.0	630	58.860	-21.46	14.00	35.46	44.918
NDA-412	12.000	0.0	630	70.860	-9.46	14.00	23.46	44.919
4-way Wilkinson Divider	-6.000	290.0	0	64.860	-15.46	-	-	44.919
NDA-412	12.000	0.0	630	76.860	-3.46	14.00	17.46	44.919
Stepped Impedance Filter	-1.000	290.0	0	75.860	-4.46	-	-	44.919
Fixed Attenuator	-10.000	290.0	0	65.860	-14.46	-	-	44.919
HMC260	-7.500	290.0	0	58.360	-21.96	12.00	33.96	44.920
BPF 700MHz	-3.500	290.0	0	54.860	-25.46	-	-	44.920
Bandwidth red. 0.7/12 GHz	-12.300	0.0	0	42.560	-37.76	-	-	44.920
HMC516	20.500	0.0	170	63.060	-17.25	14.00	31.25	44.930
HMC412	-8.000	290.0	0	55.060	-25.25	11.50	36.75	44.930
SGA-2286	15.000	0.0	360	70.060	-10.25	8.30	18.55	44.932
RFCB output cable	-0.100	290.0	0	69.960	-10.35	-	-	44.932
LMR-240 25ft	-1.500	290.0	0	68.460	-11.85	-	-	44.932
AA06-xxH	-10.000	0.0	0	58.460	-21.85	-	-	44.932
ZX60-43-S+	22.000	0.0	715	80.460	0.15	17.30	17.15	44.933
ZX76-31R5A-SPS+	-19.000	290.0	0	61.460	-18.85	22.00	40.85	44.933
AFX-CA-141-xx	-0.100	290.0	0	61.360	-18.95	-	-	44.933
EVA8AQ160 ADC	-0.050	290.0	0	61.310	-19.00	0.00	19.00	44.933

master ▾

Front-Page / Antonio-Feed /

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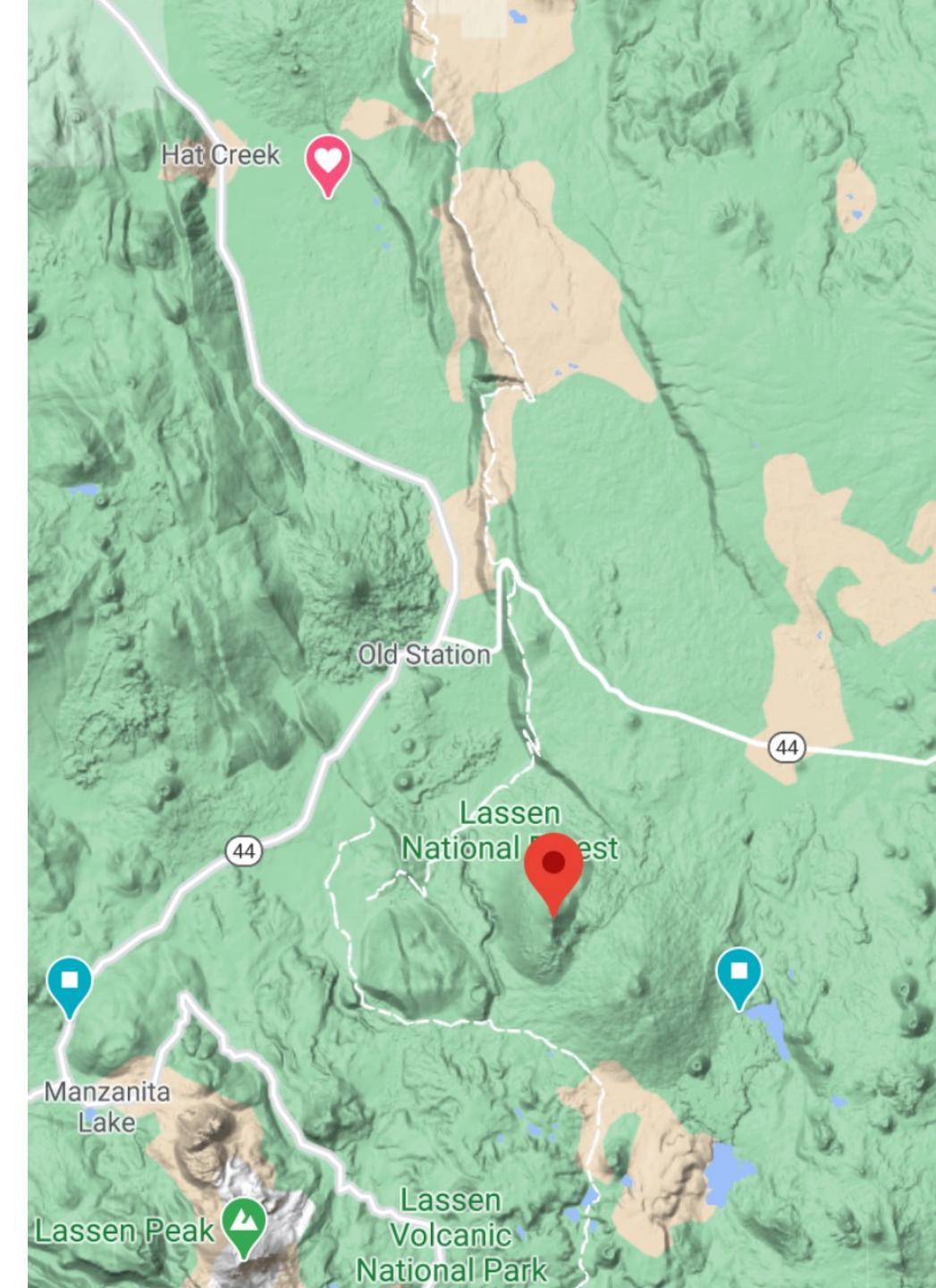
Add file ▾

...

 AlexanderPollak	updated FeedPartsInventory	ec920d3 35 minutes ago	History
<hr/>			
..			
 Design Files	Added Antenna CAD model	2 days ago	
 Documents	Added Antenna CAD model	2 days ago	
 Feed Inspections	updated feed status	last month	
 Jack Welch Lab Notebooks	Added Antonio Feed Documentation	4 months ago	
 Other	updated antonio feed files	2 days ago	
 Pictures	updated files antonio feed	3 months ago	
 System_Temp_Measurements	updated antonio feed files	2 days ago	
 Vibration	Added Antenna CAD model	2 days ago	
 Wiring Harnesses	updated antonio feed files	2 days ago	
 _Feed SN Datasheets	Added Antenna CAD model	2 days ago	
 _LNA SN Datasheets	added LNF data sheets	1 hour ago	
 .DS_Store	added LNF data sheets	1 hour ago	
 SETI-TN-RAL-0001_01 Antonio Feed Thermal Analysis...	Added Antonio Feed Documentation	4 months ago	
 _FeedPartsInventory.xlsx	updated FeedPartsInventory	35 minutes ago	

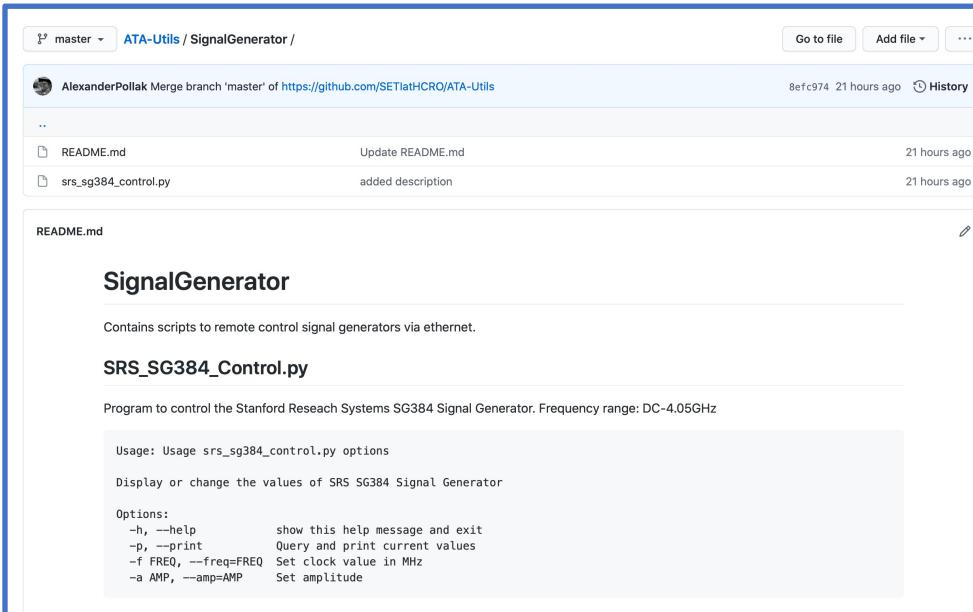
Berkeley Seismic Laboratory:

- Moved their equipment to our DMZ network
- Planned installation or transmitter at West Prospect (ISM) pointing at HCRO. [STOPPED]
- Will provide information of all transmitters and equipment installed at West Prospect.



RFSoC:

- Move DSP hardware to analog racks



AlexanderPollak Merge branch 'master' of https://github.com/SETIatHCQ/ATA-Utils into master

...
README.md Update README.md 21 hours ago
srs_sg384_control.py added description 21 hours ago

README.md

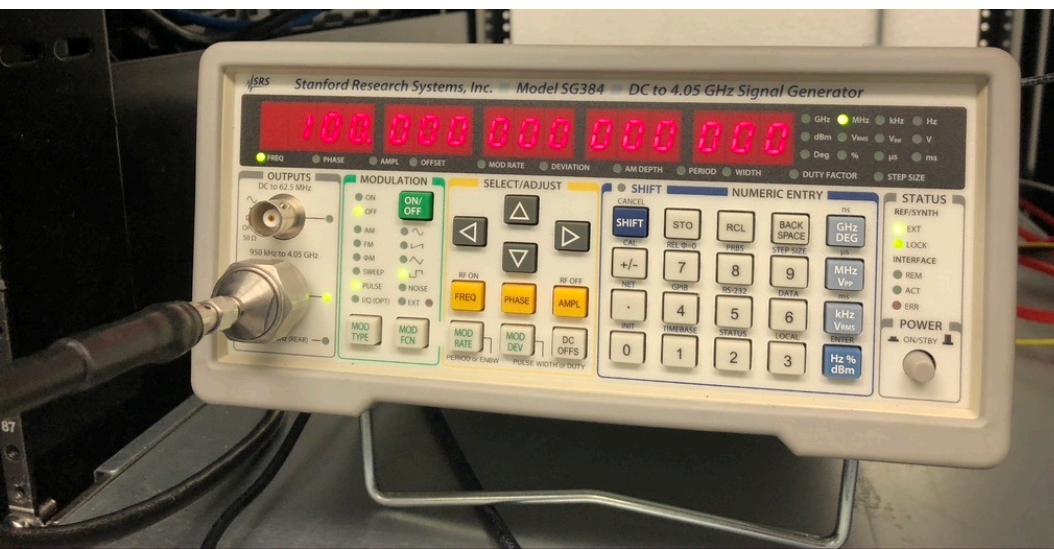
SignalGenerator

Contains scripts to remote control signal generators via ethernet.

SRS_SG384_Control.py

Program to control the Stanford Research Systems SG384 Signal Generator. Frequency range: DC-4.05GHz

```
Usage: Usage srs_sg384_control.py options
Display or change the values of SRS SG384 Signal Generator
Options:
-h, --help      Show this help message and exit
-p, --print     Query and print current values
-f FREQ, --freq=FREQ Set clock value in MHz
-a AMP, --amp=AMP Set amplitude
```



Engineering Down Time:

- Move DSP hardware to analog racks



DMZ configuration

- Berkeley Seismology Lab
- GPS receiver UNAVCO
- Retire SRI firewall and and DMZ network

