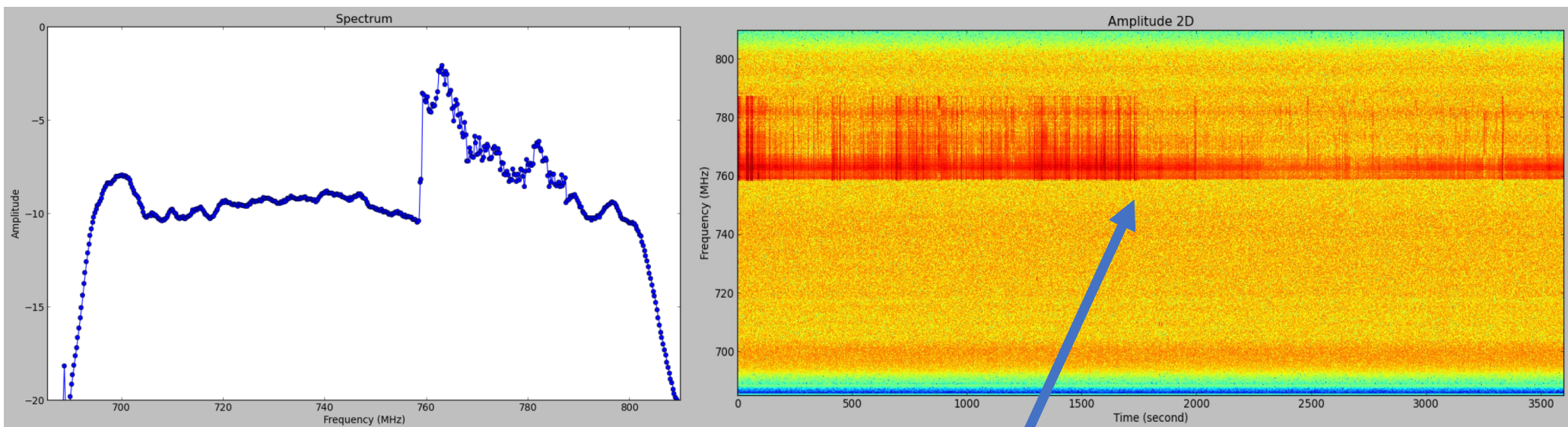


Site Status Update

Jixia Li

2026/01/20

RFI @ 758MHz—788MHz



On: 8 am to 2am (next day)
Off: 2 am to 8 am

RFI from Ming99 is shutdown, then we see different RFI sources.



Although, the RFI from Ming99 gets weaker, it looks impossible to fully mitigate.
Need more work to figure out other RFI sources nearby.

Dish antenna EMI control upgrading

- Made EMI shielding box for central control devices.
- Made boxes for control devices of each antennas too, but failed. It turns out to be the encoder of the dish that generates the strongest RFI.
- [Model: OCD-S101G-0016-C100-2RW](#)
- New encoder has no RFI but its enclosure is different from the old ones, so need a longer time to finish than expected.
- Currently, dish antennas cannot move.



POSITAL IXARC absolute Singleturn encoder



Central control box



Dish antenna box

Cylinder Correlator (RoachGPU)

- Need to upgrade GPU servers.
 - Some GPU servers are hard to boot up due to DDR3 memory problem.
- New server has been proved practical when developing RoachGPU correlator.

Original servers

13yrs old
Supermicro 16 CPU cores
DDR3 64GB
Cent OS 7.9



New servers

5 yrs
Dell R730 24 CPU cores
DDR4 \geq 128GB
Rocky Linux 8.10, better compatibility to latest GPU drivers.

Others

- Feeds, LANs, feed RF cables, Optic transmitter and their DC power supplies, AC powers cables, optic receivers for expanded cylinder A,B,C were installed in summer.
 - Red dots indicate the new expanded feeds.
- Electronics for cylinder D,E,F will be installed this summer.
- Mixers are in production.
- FRB backends are in developing.

