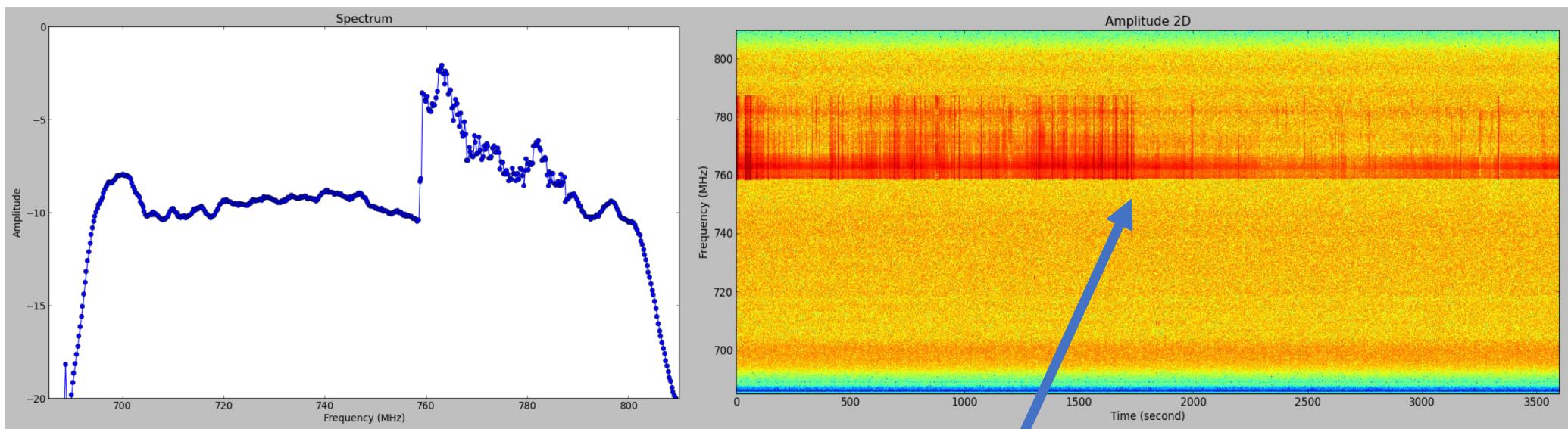


Site Status Update

Jixia Li

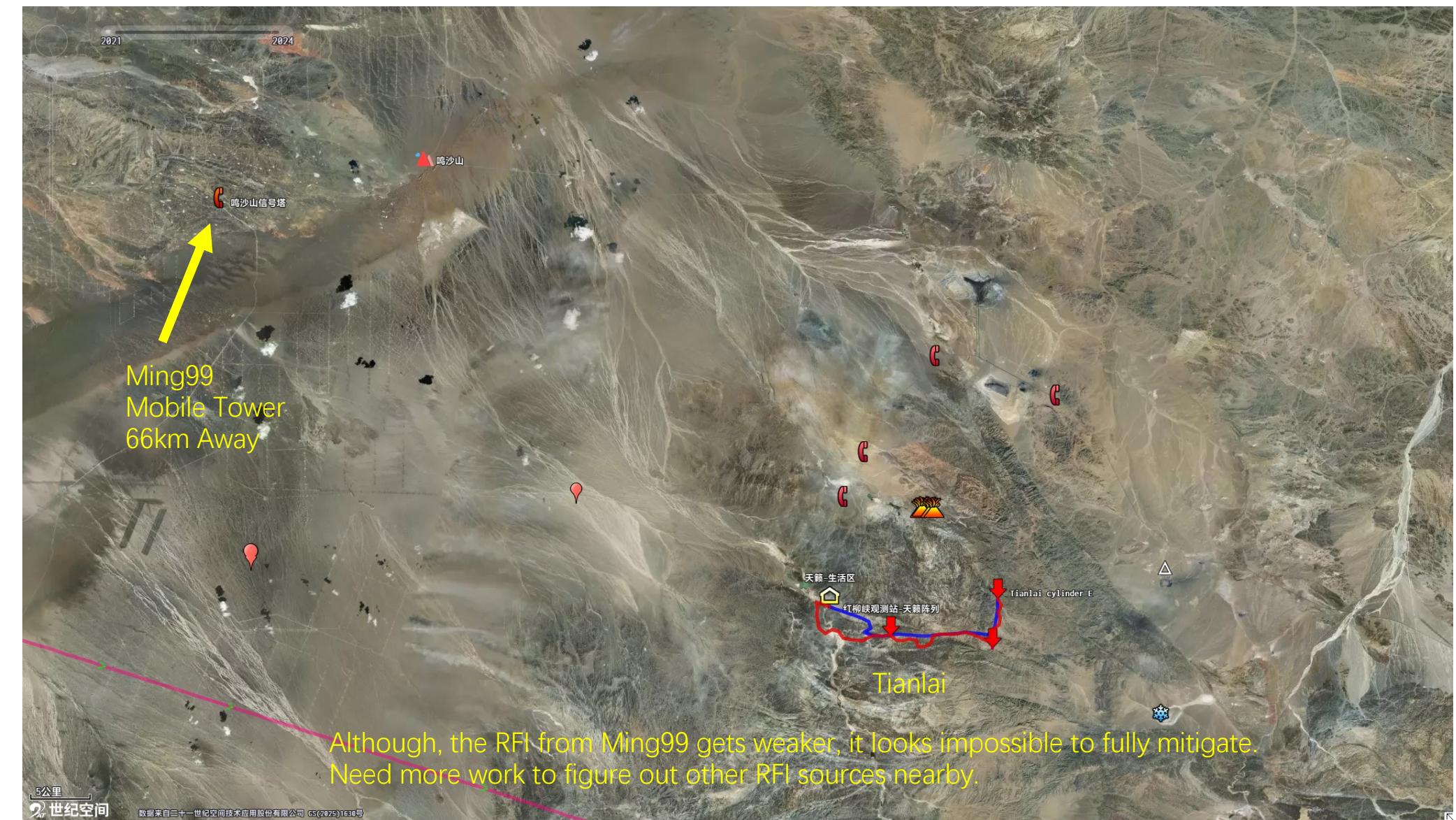
2026/01/20

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.



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 Singletturn 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 ≥ 128 GB
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.

