

TBB RFI Monitoring

CR KSP

A. Horneffer

presented by H. Falcke

Setup

- 10 ms of TBB dump (LBA) every 5 minutes
- ~4 MB /event, 1 GB /day,
- Duration: Fr 2007-11-17, 15:00 UT - Mo 2007-11-19, 24:00 UT
- One antenna, one polarization: CS 1, RCU0, ID0
- Goal: investigate spectral and temporal noise
- First result: dynamic spectrum

100 MHz

FM band

Buffer wraps

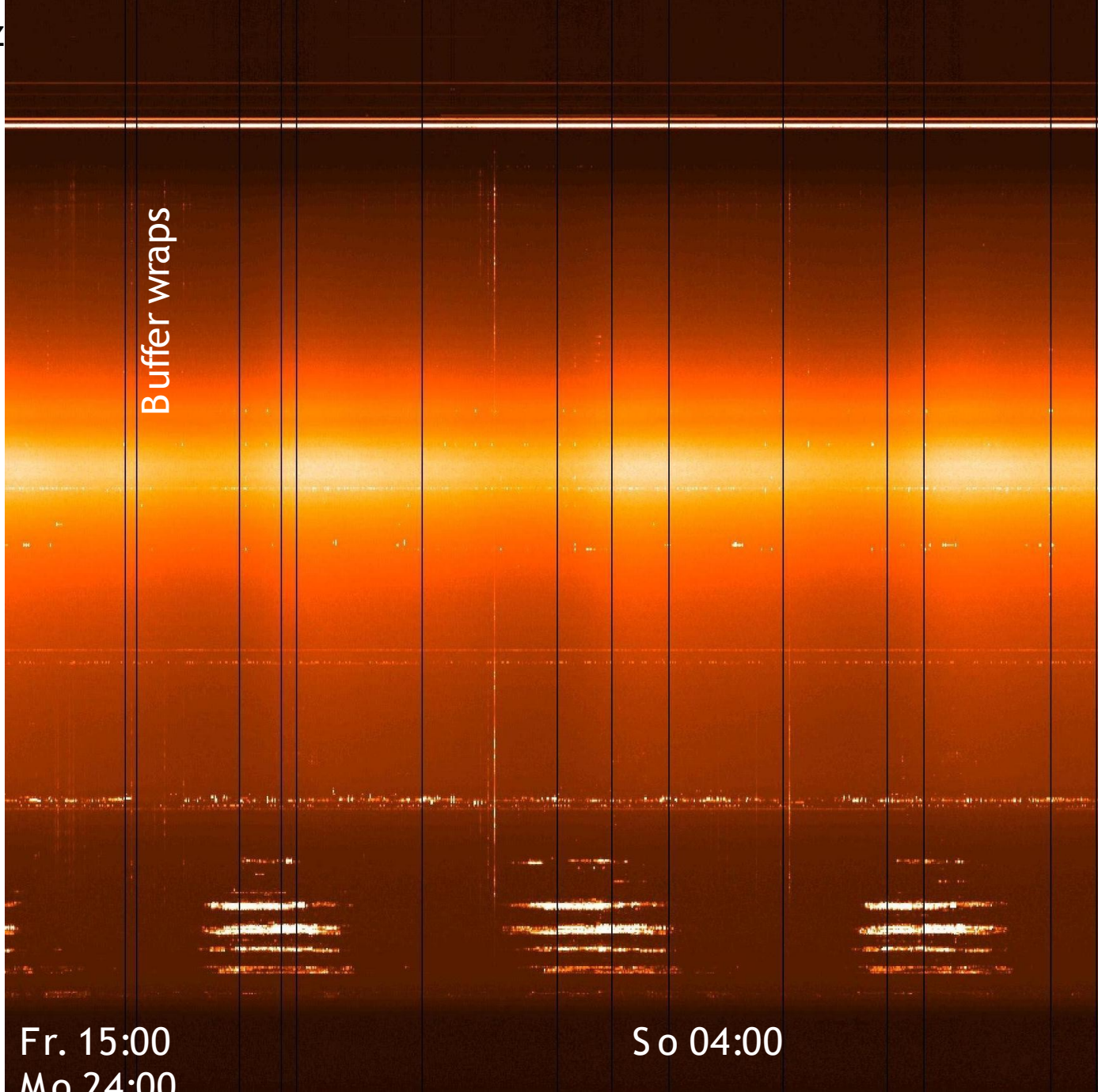
No TV

Short wave radio


0 MHz

Fr. 15:00
Mo. 24:00

So 04:00



Conclusions

- Range between S W and FM band is almost as clean as in Western Australia ...

- No giant flares seen
- Detailed analysis of temporal noise ongoing
- Improvements needed:
 - Read-out software (buffer wraps, addressing)
 - Completion of DAL & time series format
 - FM suppression is insufficient