



**Radboud
University
Nijmegen**

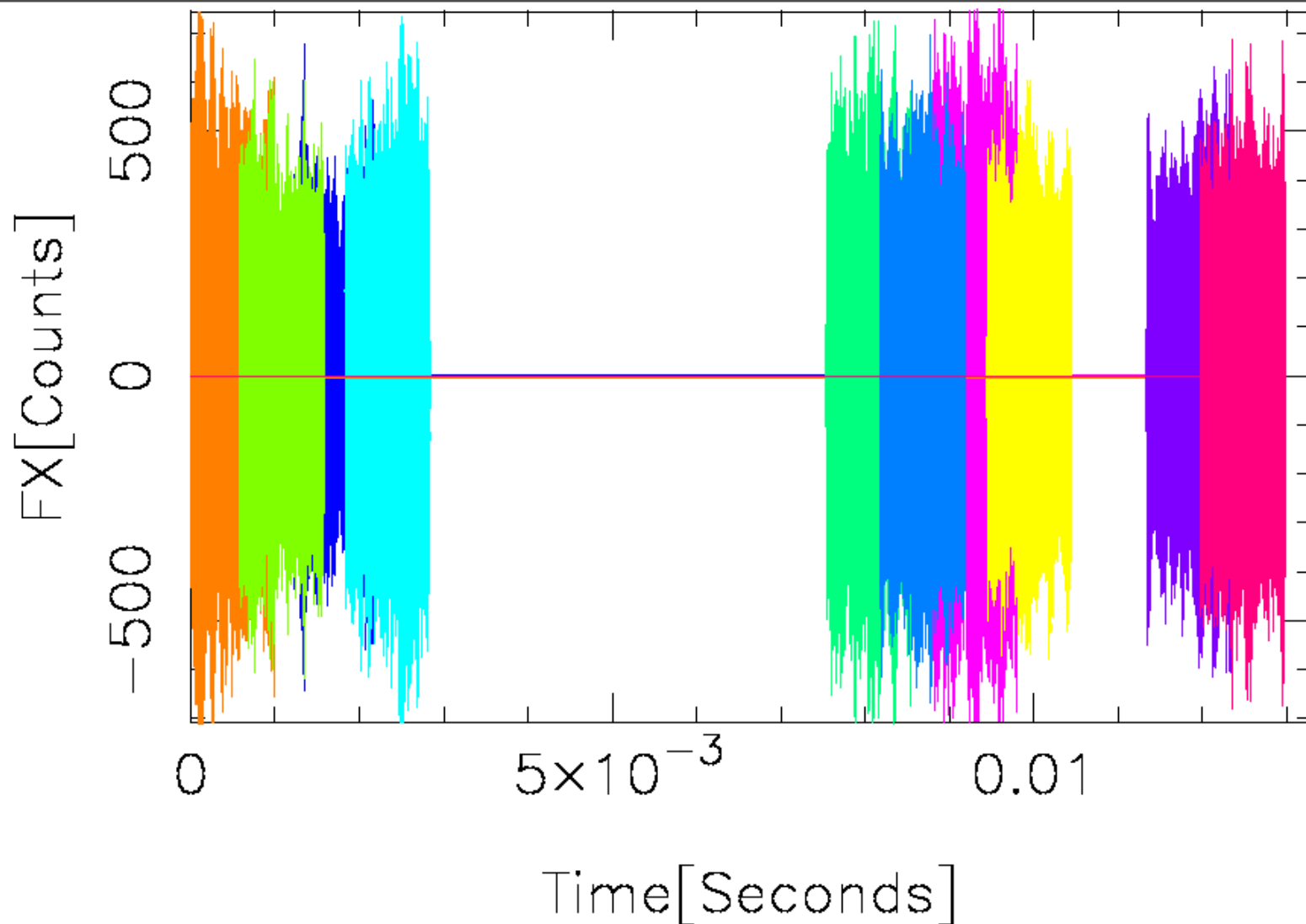


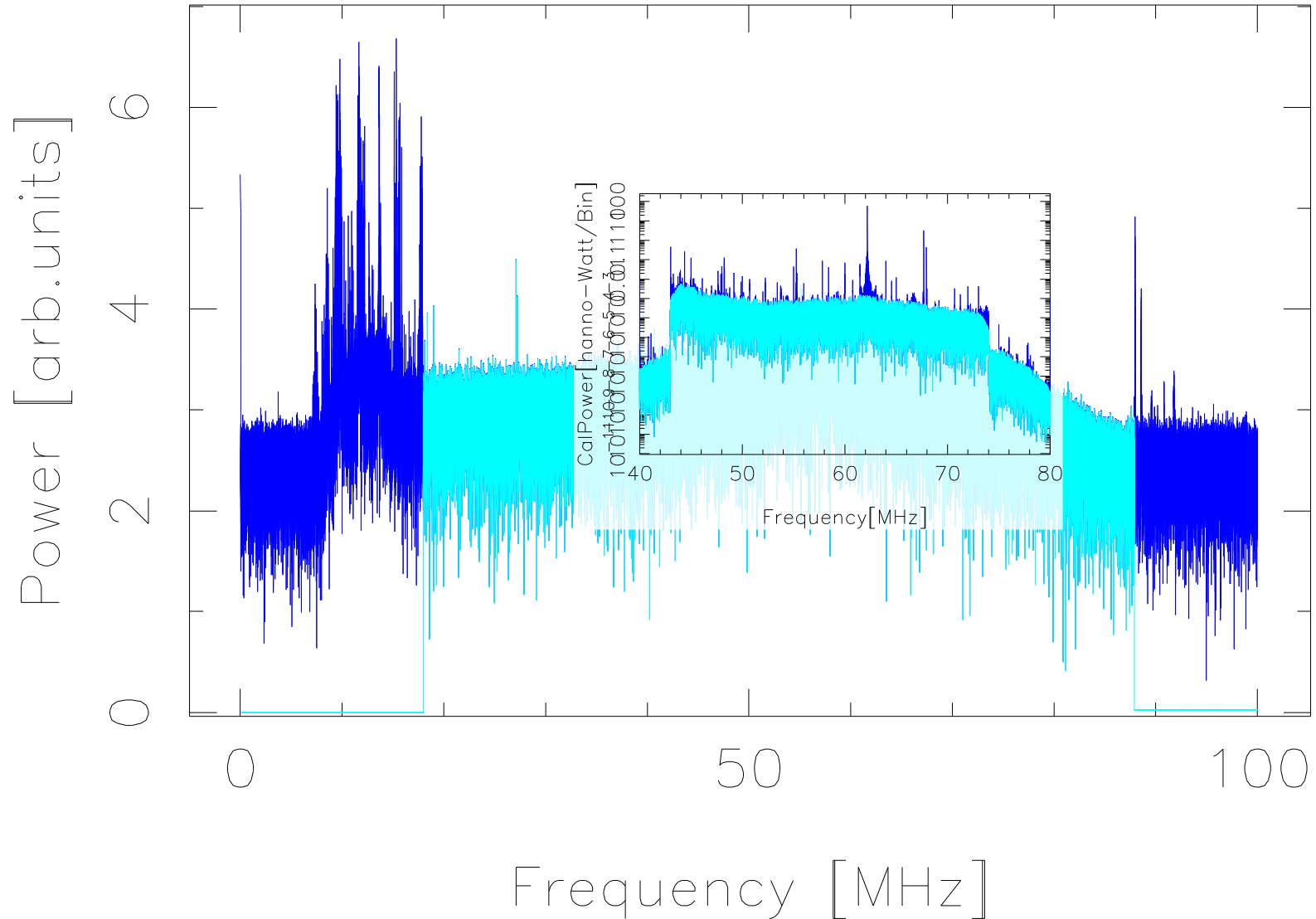
First CS1 TBB-Data

Andreas Horneffer
for the LOFAR-CR Team

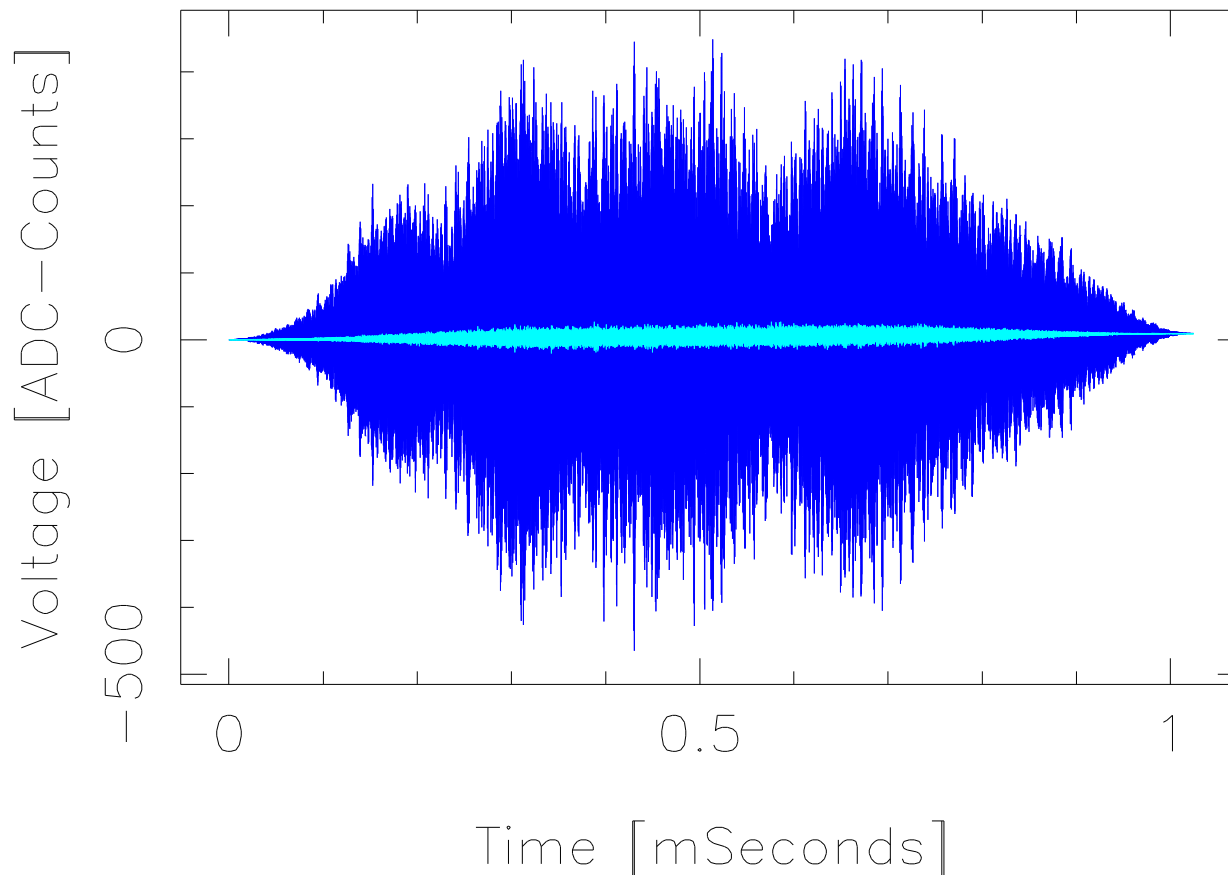


- 2 TBBs installed at CS1 → 32 channels
- No data-acquisition via CEP yet:
 - Need to log onto cs001c
 - Basic TBB operations via `tbbctl` command
 - Data in “data-dump” format
 - System is not robust: easy to crash the drivers...
- Preliminary routine to read data into lopestools
(since Monday evening...)
- Read out according to position in TBB memory not
to time of data taking

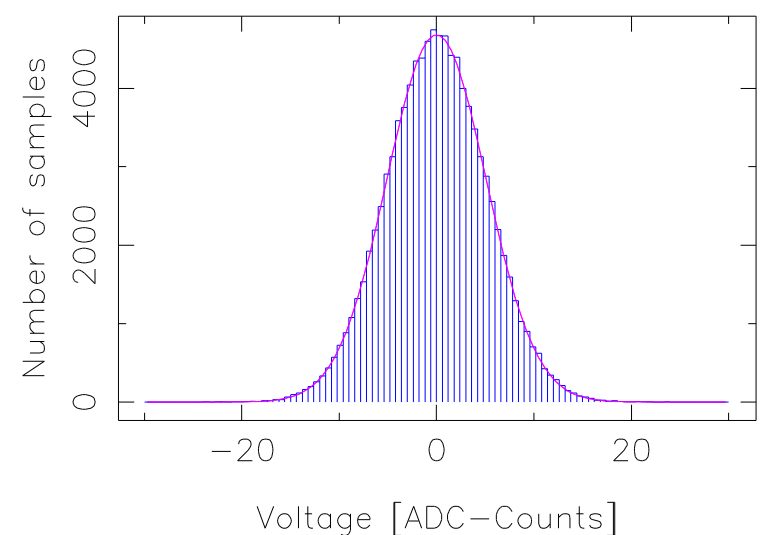
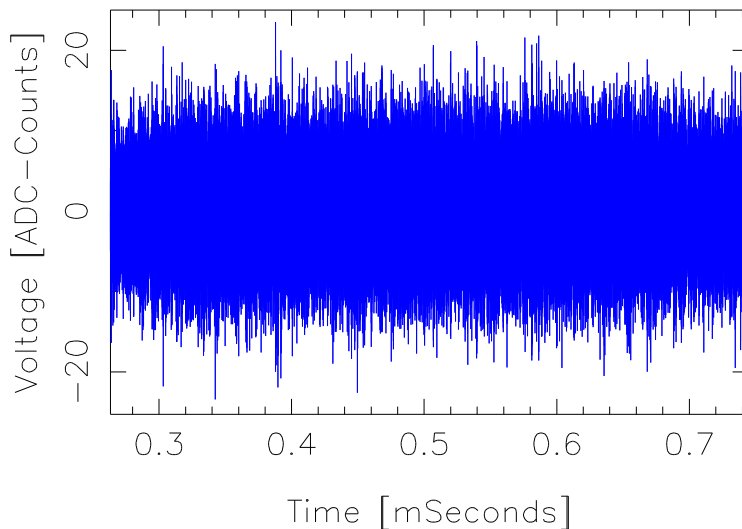
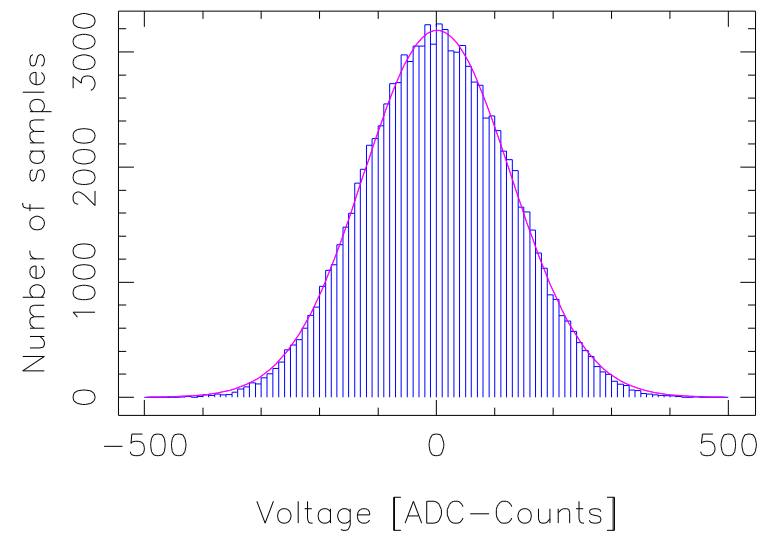
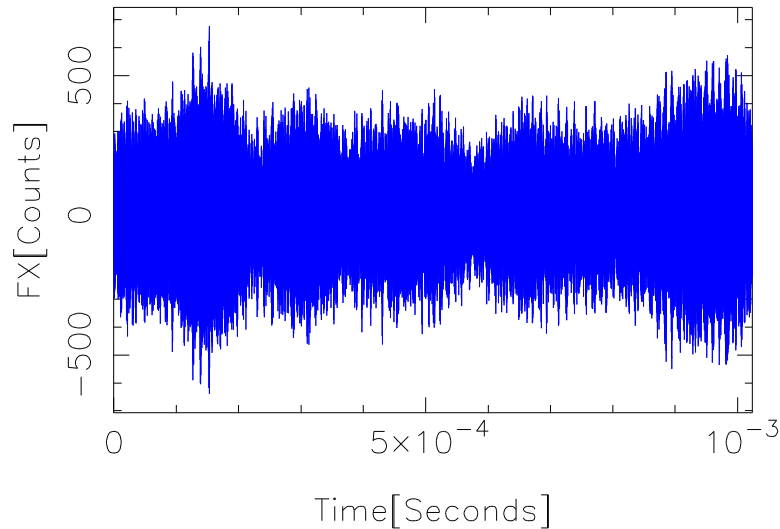




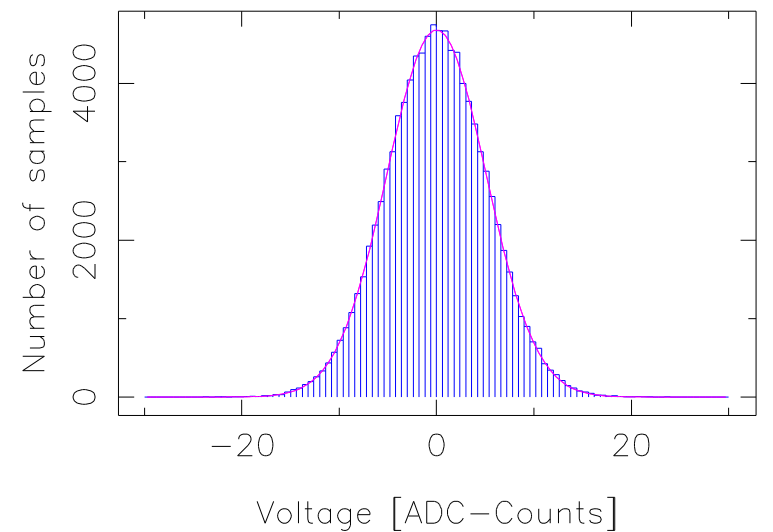
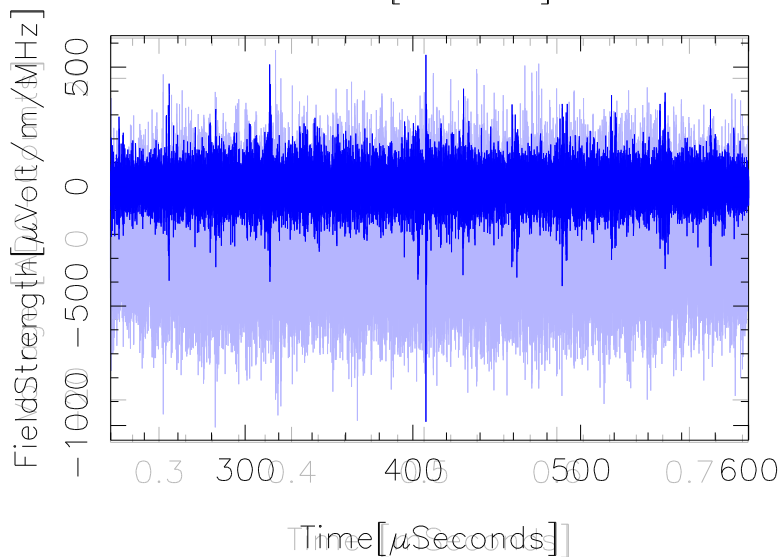
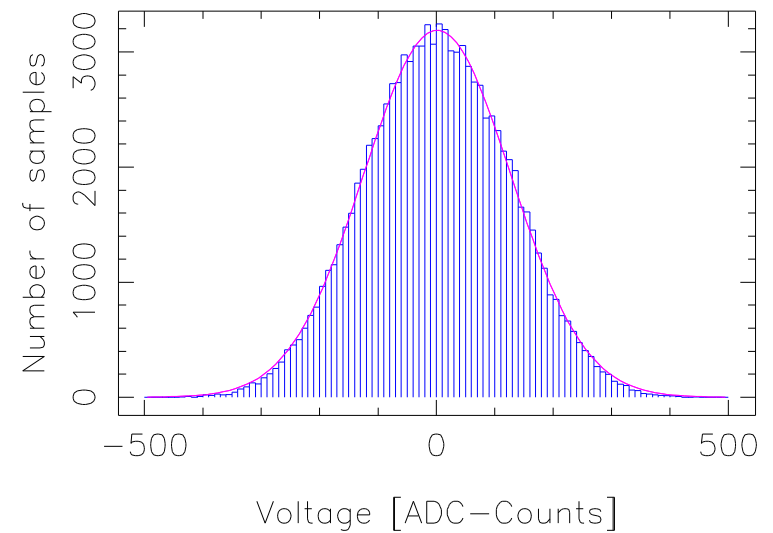
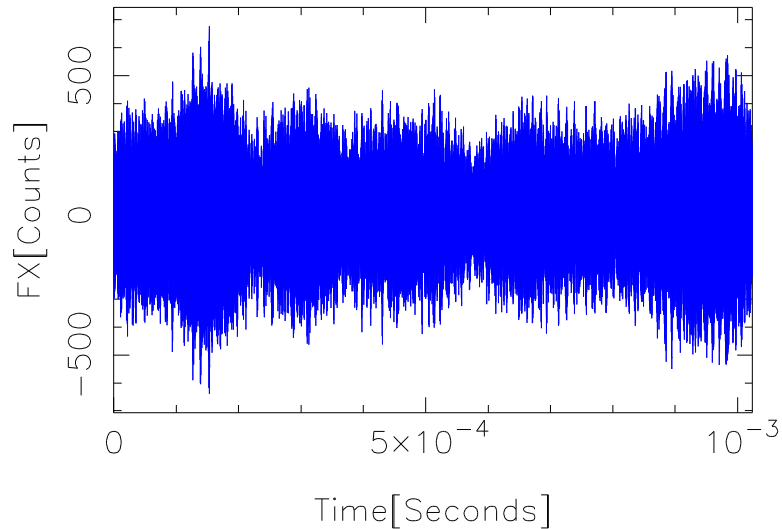
(Un-)Filtered Time Series



Time Series Statistics



Time Series Statistics



- Near Future:
 - Inventory of RFI situation as function of time: Take one dataset every 10(?) minutes for 24h in the week and during weekend
 - Test TBB trigger algorithm
 - implement it in software
 - compare software to hardware implementation
 - optimize parameters
- Future
 - DAQ via CEP in new HDF5 file format
 - Read in via DAL
 - Beamforming/Imaging tests