

WURM, 25-09-2018, 15.00

present: Aard, eBob, Mark, Des, Harro, Arpad

Aard: last week eVLBI with eMerlin and Sardinia, everything worked. Sampler stats are still weird, although hCm is good now. Outsfxc broke during e, took some time to figure out and set up another machine. Three satadoms have died now, replace with normal SSDs. Mark: need better solution for switching machine in case of emergency, working on it. Some discussion on access to essential machines, most people do have sudo on many machines, however VMs only Paul. Need an essential machine meeting, Arpad to set up. Aard is working on folding coherent dedispersion, phased array into trunk.

eBob: added functionality to SFXC vex parser to produce a correlation vex file as well, transferring comments as well. This instead of the old perl parser of Bauke.

Mark: found the bug that gave wrong weights in mixed BW correlation. More than 2Gsamples/integration: no more counter overflow. Pulsar binning now gets administrated properly in database. Should make sub-integrations possible, eMerlin with 64MHz bands is very slow, at 2 sec, at 1 sec ok, but needs real fix. Never had any priority, now is beginning to.

Des: FF ready for pull request, Michael checked the code. KVN data: calibration on lowest band, use for higher bands. Zero padding does not seem to need a correction, hops does not do it either. No dispersion visible in KVN data. Good data set for wide bands for RINGS. Maybe new implementation directly into C++ version. Was a JUC e-test last week as well, something wrong in code. Should be possible to organise a test with three telescopes, Wb, On, Jb, not be dependent on real e-VLBI runs. Harro will get in touch with stations.

Harro: before vacation several pull requests for Python pgplot. Working on jplotter, apply flagging, re-writing weight thresholding which was very inefficient. Request to enable averaging in time and in time + frequency. Installed anaconda 2 on E3, python pgplot and casacore. Also for Python 3

Ilse via email: she'll continue on the CASA memo/paper, trying to ff Iniyans simulation in Aips with a source model, preparing EVN symp and CASA tutorial