WURM, 29-01-2018, 14.00

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

Ilse is sick, Wybren has a sick child

Mark: has been changing SFXC output format to contain antenna source and freq tables, need to check with j2ms2. Maybe broke pulsar binning at the same time. Fixed re-referencing problem in FF, needs testing. SKA-NL meeting tomorrow, presentation

Paul: talked to Klaas. Surfnet is upgrading their PoP in Westerbork, unfortunately new connectors, will need different cables for DBBC (which has arrived). Don't know yet what will happen in Dwingeloo. Mellanox will buy new switches for us, use old ones as demo pool. Not clear if switches need to be built first. Outage showed that we need a backdoor, loopy was not on UPS. VM? 2 new flexbuffs ordered, extra memory so that they may be used as SFXC nodes as well. Mark6 still needs ordering. 3D printing has been done. Now reviewing design document of atomic clocks ensemble of SKA. Still no decision on CDR.

Aard: made a Jupyter/CASA demo VM, then found out that it is really dangerous. Docker is a bit of a nightmare wrt firewalls, also is root. Singularity however less popular, fewer tools etc. Is not root, but does not solve problem that python could cause. Together with Wybren worked out way to close all loopholes, in IPtables. Show solution to Paul first though. Looking at plotcal, in CASA one can scroll through images, does not seem to be possible in Jupyter. Solutions exist, but not very elegant.

Harro: working on Kat7, managed to make VDIF data, then got ill. Put data through correlator. 4 hours to generate 2 sec data, slow. Compare to results of SA program. Iridium not visible, very iffy. Injected tones to help analysis. Also looking at data of other stations. If the data prove to be completely rubbish, we might want to get our hands on some MeerKat data instead. Would like to spend some time on jiveplotter as well.

Des: adding features to ff, LS turn-offable, was easy to do in C++, managed the windowing, but needs checking, and choices of weights also nearly done. Troubles building though. CASA forgot the branch, should prevent that in the future.

eBob: worked on Sched, not looking into automake, which does not know f2py. Will send out an email announcing the current version, with script to build it.