WURM, 23-4-2018, 15.00

present: Wybren, Paul, Ilse, Des, eBob, Aard, Arpad

Wybren: cluster has been installed. Not in SFXC domain, which will be discontinued. Will double host the crucial machines, after this we can gradually change scripts. Paul and Wybren to warn everybody when this can be started. Infiniband will remain on until new cluster up and running. Now on to Zabbix!

Paul: submitted paper. Received WR switches for Cleopatra. Setting up 10G from Wb. Wonders about the IP renumbering of the UB, Des thinks it is fixed now, needed to be changed in two places. Extra airco in correlator room. Replacement drawer works fine, but need to reconnect all cables. Working on SaDT CDR, many comments in.

Ilse: CASA newsletter contribution nearly done. Looking at tutorial, found weird issue with scaling phases, need Mark (tomorrow). Got simulations from Inyan, fringe fit in Aips and CASA, get SNR comparison as well. Des very much wants just one comparison, just to know if he is in the right ball park. Talk for NAC

Des: tried to fix Jonathans script, but it seems not quite ok. Jive5ab was freezing up, maybe, should try again with new release which has not been rolled out yet. Got two but reports from Michael, one fixed, other one still ongoing, will it make release 5.3? After all this, back to UB

eBob: talked to dr Bob. DBBC changes are actually in the official version, through Cormac, so also in our version. Cable wrap optimisation not. We should have a meeting with Mark and Des this week. Flexbuff transfer changes: all eMerlin outstations on one flexbuff.

Aard: correlator crashes, one on a typo in vex file. But should not crash of course. Another crash because of selecting channels without stations. Again, should not crash. Jack's paper has been sent around for comments, detected 31 out of 700 targets. Kind of low. SFXC to mk4, writing the root file is surprisingly tricky. Fourfit is segfaulting, so clearly something is still wrong.

Paul asks whether SFXC is ready for direct recording at JIVE of Wb data. Anser is yes.

report by Harro (at hackathon)

* spent time ascertaining the MeerKAT multiple fringes are an effect of the data and not an artefact of the signalprocessing (generate a noise signal, embed one spike, look at autocorrelations – no repetations at 77 lags whatsoever)

* did make minor modifications to m5copy based on user feedback (Jon Q), new issue raised by other user (from Yebes – Mk6 to VBS does not work, currently in progress)

* spent some time working on the streamlining of j2ms2: potentially different setup_ref_station per job now supported. But highlighted a problem in j2ms2, have an idea how to fix, will be done in the near future.