

WURM, 13 Nov 2018, 14.00

present: Paul, eBob, Des, Ilse, Harro

Paul: got quote for fiber duct, fiber trace is now known. SKA CDR 99.99% done. Found strange errors on some links between our HP switches. Internal network upgrade may fix some of these but remains under investigation. Really need to get the ccsbeta => ccs upgrade done, possibly test this during next week's e-VLBI test period. (The new eee must also be migrated). Could use an extra hand with all that work.

eBob: Python based log2vex deployed to Dr. Bob & support scientists. Flexbuff transfers of the last session have been started; biggest problem so far: Ir had not started their jive5ab. Working on runjob splitting off a second correlation for debugging/testing purposes during production. Can be easily tested using the simulator so no dedicated telescope/test time req'd.

Des: an initial version of db2vex to extract a specific VEX file from the database was created and is now under test (can be run only by Des). Seems to work but will be rolled out later. Added a better convergence test to the CASA fringe-fit test procedures which is more (if not as) equal to AIPS for more readily comparison. Started work on phase-cal tones. CASA importfitsidi does not officially support the phase-cal table from the IDI-FITS file so getting that information in the MeasurementSet is not easy; there is no official place for it in there. Therefore much of this has to be made up as it's going along. Looking at AIPS handling of phase-cal tones already shows signs of bizarreness there.

Ilse: EHT week at Nijmegen was brutal, very busy programme. No blood though. Six papers scheduled for medio March 2019, deadline initial versions before Christmas 2018. The calibration and error analysis papers are in good shape for that. Still much discussion about what type of papers (collaboration vs PI), let alone author list(s) and who gets to be on that/those. Needs internal discussion of who from JIVE are eligible - must have contributed to the project. Witnessed CASA/HOPS pipeline shootout, still some differences which one detects fringes on some baselines. No obvious hints from the data itself. The fact that all three packages do slightly different things to the data may be hiding some of that. AIPS seems to be worse for finding fringes. The first science release may happen as soon as next week.

Harro: made a lot of progress on jiveplot averaging/masking data handling (fuse ~16 different combinations of options into one implementation), finalizing this for *-vs-time plots. *-vs-frequency easier because it can reuse that code. giza: some commits to the package revealed difference between PGPLOT and giza (under investigation) or broke compilation on older systems (fixed). Fixed an open issue: some PGPLOT markers were completely different symbols in giza than in PGPLOT. Investigated bad performance, so far linked to coordinate transform from world => pixel, not sure can be overcome. casacore horrible performance: followed GvDiepen tip for increasing cache size (took a day to get the fixed github version up and running; GvD found a bug using his own tip ...) but no observed difference in speed between 1.6GB cached versus 16GB. On disk the data set is 4.4GB. Going to invite GvD/TammoJan for a chat.