

ZWURM, 31-08-2020 14:00 (WURM through Zoom because of #COVID19 house quarantine/wk25)

Present eBob, Aard, Ilse, Des, Paul, Harro

Paul: services is now fully migrated, old VM still around for a short time to retrieve forgotten files/data. gitea installed on code.jive.eu; machine accessible through https from external network. The gitea homepage could do with JIVE personalisation. "db1" VM online with MariaDB v.10 - it's time to start migrating databases from db0 -> db1. [Q(eBob): v.10 backwards compat? Need testing? A: Hopefully. Yes. - should migrate "dbtest" to MariaDB v.10 for testing too.]. No progress on ASTRON 100 Gbps. All fb's upgraded, some SFXC nodes remain.

Des: working on fringeFIT CASA code to reorganize internally and add switch to support choice of FFT backend (normal or wide-band).

eBob: tests with tape backup, achieve 50 MB/s transfer from archive (local archive file copy much faster so tape limit?). Require extra packages to be installed on jop83 - already under our control or ICT? [A: ICT, moving archive to JIVE space and upgrading needs planning]. Received some proposal tool requests from Dr Bob; 4 Gbps in next call (XML already edited), dependencies (enable only for C band or higher - difficult since code spans two webforms), justification should go from three files to one (might be doable in front-end).

Ilse: Inian responded, will be continuing Bayesian fringeFITting e.g. checking time variability. AIPS verification of CASA pipeline - see if plots can be reproduced w/ jplotter in stead of plotms. EHT AGN group: not sure who in charge for data quality after ER6; polarization WG: reading up on how polarization calibration is done. Have flow-chart for spectral line pipeline, RossB suggested test dataset of 0.5TB (too big for eee-dev); check with MarkK after return from holiday. Experimenting with AOFlogger: ran into antab issues after pulling "random" exp from archive: AIPS groks archived antab file, CASA doesn't (indexing and syntax errors in archived antab file); in 68 good scans could not find the bad scan. Scan limits may point to fundamental problem in AOFlogger algo preventing useful use for us. plotms has stopped working on eee-dev (AardK to look into this). Working on draft EAS special session proposal.

Aard: Complaint from Latvia re sfxc: some scan correlated some scans not? Investigation reveals strange freq setup - overlapping bands and then sfxc does things differently; old fringeplot crashes, suggest trying the new tool. KenziN/JasonH request for sfxc support of $t_{int} < 1\mu s$ (currently hard limit); Aard can think about this but is probably change with unknown effect in the whole code & output data so would require substantial testing. Coherent dedispersion merged with phased array branch, from that it's one more step to trunk; want to delete support for windowing after dedispersion - probably not a good idea anyway.