

ZWURM, 17-08-2020 14:00 (WURM through Zoom because of #COVID19 house quarantine/wk23)

Present Des, Ilse, Mark, Paul, Harro

Des: Installed MS Office, filed travel applications. Worked on "burp" backup report processing script to help Paul. Started work on smarter CASA fringe fit solution interval choosing to prevent "orphan" integrations. CASA 5.8/6.2 feature freeze already half September!

Ilse: contacted CASA VLBI workshop tutors + participants and more and more unlikely physical workshop. Decision day early September, still enough time to morph into full online school. Restarted experiments with AOflogger - SIGSEGV on eee. Will try on casadev too to rule out eee-version mixup issues, otherwise kick it upstairs to AndreO. EAS issued call for session/symposia 2021; discussing with EVN Symposium about special session or have full symposium to share VLBI load with EVN Symposium. Wrote an EAS article for the EVN Newsletter. Restarted work on spectral line pipeline with OlgaB - got reading/background materials. Noteworthy: MichaelJ likely sending dissertation Aug, will start post-doc in Bonn on 1 Nov.

Mark: migrate gaincurve changes in casacore reveals issues building CASA. Also reveals bugs/issues breaking CASA introduced by others into casacore; working through resolving those (e.g. GvD replacing old casacore Regex with C++11 std::regex - subtly different behaviour, FFTpack removal difficult: many call sites in CASA and 1:1 replacement with fftw calls cannot be done blindly, must be tested thoroughly). Currently the test suite works again but does not finish yet. Monthly CASA meeting w/ GeorgeM et.al., CASA 5.7/6.1 release "imminent".

Paul: created account for TammoJanD on casadev - now casacore mods can be checked against CASA builds locally. Upgraded four flexbuffs, including WSRT's flexbuf7. Observed several netboot/install flapping behaviour; seems race condition involving DHCP; fixed by static IP during install, after upgrade finish back to stable, dynamic IP situation. Working on backup output processing to generate proper overview of real failures/problems vs. expected/knows issues. ZFS backups to trantor seem to work so far. The ASTRON 100 Gbps equipment not working yet, received programmer from manufacturer to try and program compatible settings into the optics ["should have bought the cheap Chinese equipment" which Just Works apparently]. Aribox upgrade: JUC partition? Save data, after upgrade, at some point, /data/juc disks will be removed from the machine. Busy updating the redmine wiki with quotes, contracts etc., for better/easier access to server metadata.

Harro: added a meta-data comparison tool to the toolchain verification suite - comparing antenna-, source-, and frequency tables between multiple MeasurementSet(s) and/or FITS IDI file(s) and showing only the properties that are different to condense the output.