

ZWURM, 28-04-2020 14:00 (WURM through Zoom because of #COVID19 house quarantine/wk8)

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

eBob: Fighting with NorthStar code repository; it uses two, one of which drags in a lot of unused code. Spent time trying to split/extract only useful bits to be able to create new single repository at JIVE but gave up due to broken tooling (scripts, compiled code, nothing handled dependencies). Decided to commit the GDPR changes as separate branch on ASTRON version control. Changed NorthStar has been sent to Gina for feedback. Worked on log2vex generating VEX2 support, found EOP parameters dEpsilon, dPsi missing in VEX2 definition. [Mark: CALC8 needed them, then CALC updated model such that these local parameter were not necessary anymore so they were unused anyway] Slowly grinding through all runjob functionality to enable VEX2 support.

Mark: Found same baseline-swap-does-not-swap-polarization bug in importfitsidi whilst working on gaincurve code. A pull request for the fix already generated, including test-code to validate the fix. The CASA VLBI requirements document needs to include already completed items too, working on that.

Paul: LT08 tape drive and Trantor expansion disks are ordered. The SURFNet network dashboard meeting was useful and allowed for giving feedback; portal is shaping up nicely. Due to COVID19 VLA remains in B configuration so new proposals using DDT are called; working on submitting one. A patch for "zfs" on the backup server was installed so hopefully the bimonthly hangs are now fixed - we'll know end of June. Received a request to review an IEEE paper on WhiteRabbit. Mellanox will hold a webinar on May 5th about their switches' "What just happened" feature - hopefully helping in debugging events/fails. Deleted own stuff from flexbuff 13/14 to make some room.

Ilse: Mark's scripts now work in the notebook but was not able to exactly reproduce results, will have to debug the notebook. Setting up a CWL environment on new system not yet successful, will contact others for help. Attended JUMPING JIVE telecon, need to assess impact of project extension by 0, 6, and 12 months. Found that there was no CASA5.6 yet on eee-dev [Des: will install for you]

Des: Borrowed OlgaB for testing the dispersive delay fringe fitter. Created Mattermost channel for this, invited others as well. SQLite to MySQL migration completed. Can now run through Python prettyprint HTML module, will start filling the database with some NMEs.

Aard: Filterbank output improved to output crosspolarizations. Thinking about extra SFXC debug output - added virtual function in baseclass such that each derived class can dump state info. When to trigger? [Mark: maybe add to "Abort" button in GUI. Side discussion: we may get false positives but that too may learn about good vs bad state; e.g. "Abort" is also used to prematurely terminate a successfully running job]

