ZWURM, 20-04-2020 14:00 (WURM through Zoom because of #COVID19 house quarantaine/wk6)

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

Aard: Correlated a CHIME follow-burst for FranzK at 8192 frequency points, results in AIPS FITLD error "missing FQ". FITS-IDI file seems correct, likely AIPS limit but as yet unconfirmed. Will contact local AIPS experts. Python script to parse last week's eVLBI logs reveals indeed a single node (m1) froze and it took 10 minutes before the rest of the system ran out of buffer space. The reported crash mid through a scan was hypothesized to be on the limit of memory allocation (~100GB) because that scan ran with XXXL buffers. When retried with less stations, i.e. less memory needed, could not reproduce. All Jupyterhub javascript was converted to IPython Widgets, which is a really bad job. However, some loose ends were tied up in the process and the code is now more futureproof as well.

Ilse: Participated in several telecons (NOVA Instrument Steering Committee, EHT Diversity taskforce). Experimenting with the EVN meta data appending scripts, only took until Friday afternoon for a revelation. Will continue this week. [Harro: good thing the scripts now are *in* the container and callable from notebook. Mark: meta data should actually be added to FITS-IDI]. For the coming week CWL is on the agenda and there's a JUMPING JIVE telecon.

eBob: Proposal tool uses Java struts in stead of HTML so took longer to add GDPR button. Code repositories are now being cloned. Next up in the VEX2-ification is log2vex.

Paul: Got quotes for LTO8 tape drive. The trantor disk backup is filling up as well, needs expansion. Mk6-2 is now onlie, Mk6-0 really requires O/S upgrade but network cards does not support netboot, needs replacing first. db0 backup area still full; did not want to mess with system whilst e-VLBI, after that forgot. If there is a non-busy slot this week, will move to larger partition. Flexbuff3+14 are filled quite asymmetric, both have one zpool with ~95% fill (degraded zfs speed if fill level > 95%). gitea will be installed on code.jive.eu, requires certificate and thoughtful migration of existing repositories. Has been asked to take part in SURFNet conference call to advise on improvements of their network portal.

Des: Took part in two LOFAR Long Baseline telecons, ASTRON's found some resources to work on fringefit testing, Des will help/support. MichaelJ's tests failed, the refant code was not in his branch. Will be urged to migrate to CASA6 because that fix is in that code, amongst many others. Pushed code to NRAO and asked Benito+Olga to sign off on the quick test that the change does not break things obviously. Working on the SQLite -> MySQL migration for the publication treasury.

Mark: The metadata appending scripts are now proper importable Python modules, although some naming conflicts seem to still appear;

difficult to come up with a unique yet descriptive module name.
Design of the table that importing a gain curve from FITS writes
(sneaky) now written down; can be reviewed. Collected some more
mimetypes and drafted a mail to ESCAPE partners asking for their
contribution. Was asked to be on ShepD's cloud correlation technical
advisory committee (2yr ago), this week first telecon.