

ZWURM, 16-11-2020 14:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk36)

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

Ilse: Processed successful CASA VLBI workshop fallout, presenting as much material on the website as possible. Harvest Mattermost channels for useful information to persist. BenitoM suggest github repo for useful scripts and pipeline(s). The RadioNet report for the meeting was already sent in and accepted. Preparing for next week's RadioNet board meeting and JUMPING JIVE board meeting tomorrow. EHT Ombudspanel documentation more work than expected; has to be ratified by all partners – unlikely will happen before early December EHT meeting. Hope to pick up spectral line work with Olga again next week. Preparing talk for RadioCameraInitiative – will send invites for dress rehearsal(s).

Des: was at ADASS last week – tiring (four days x 7:00 – 21:30), see tripreport. Working on issue come up during workshop where one bad antenna flags solutions for whole scan. MichaelJ reported issue with the provided new fringefitter package. RINGS reporting should be done now. Wrote a script for Paul to check SSL certificates. This was done manually – should be turned into cron job.

Paul: inspecting trantor chassis: not compatible with new(er) mobos. The VM servers arrived, installed in rack, have network; IPMI not working yet, requires ASTRON involvement. A server for handling V0 queries was bought, expect 3wk delivery time. Had to spend time and then some more time on (reporting)requests made by ArpadS. Will be @ASTRON this Wed: ASTRON network upgrade and VM cluster install. CASA VLBI workshop was great! Q: Can have SURFnet8 test after e-VLBI? [may or may not be used by eBob's two-stream test, see below]. ZFS monthly test run: four HDDs show problems, replaced (ZFS really worth the effort). db1.jive host with modern MariaDB up – time to migrate! Participated in SURFnet portal usability test – was requested to give feedback. AIPS install on archive: updated to 31DEC19, moving install location away from root of the file system. Worked on AIPS wizardry calibration script. LDAP maintenance planned soon (new O/S – several steps, new certificate); expect some probs with sfxc cluster, redmine and gitea.

Aard: CASA6 image: added wsclean and AOFlagger; require casacore too. X11 task in Jupyterlab/xvfb hang: now in script, doesn't hang anymore [really strange, still don't know why]. Ported old "plotcal" program from CASA5.6 to CASA6 [Mark: plotms does almost everything now, except fringe cal table]. In Jupyternotebook: task output (log) stored in cell, use Javascript in client browser to hide/reveal; Jupyterlab does not allow javascript → add Jupyterlab button, on click, contact kernel, display result. However, if kernel busy (e.g. long calibration task): unresponsive. Can fix by adding separate log thread. After CASA VLBI workshop: goal to make user use notebook+singularity image locally: not good idea; too many surprises (e.g. data generated = owned by user-id from inside container). Maybe an app-image good idea? [Mark, Harro: no, yet

another format to support, lot of work, don't know MacOS status of AppImage support].

eBob: perform 2x n Gbps eVLBI streams test in 7h clock search period tomorrow. Wed 11:00–14:00 already booked as test time – could perform SURFnet8 test in that time frame, provided stations get at least be involved in the (potential) change of test goal. Mc FlexBuff root disk died last Fri. Lost file with data already transferred to JIVE: checked manually; requested e-VLBI test before tomorrow since dbbc_proxy also runs on that machine. Request from Dhanya to tell about antabeditor → no documentation yet, so showed in online demo → will now add documentation to code repo. Beppe report pySCHED not working for Python < 3.6; "fixed" by adding this as dependency; not sure if proper solution (dependence on format string syntax introduced in 3.6). Working on moving BobC's 4Gbps setini's to catalog. BertH noticed that disklist on website has error about condition status of pack; traced to not-strict enough join resulting in > 1 query results (fixed). CDDIS has stopped support of ftp for EOP downloads, change to use http in scripts was already prepared but not activated.

Mark: After CASA VLBI workshop spent time answering questions (amazing how users can find edge cases). Week after that was (intense) ADASS conference. Spent time on serving ArpadS requests too. Working on MichaelJ requests (Taiwan processing 2018 EHT data); thinking about proposal for per-scan interpolation that NRAO might be ok with – then JIVE can implement (no prio for NRAO but is on their plate). EHT software formats working group: attended since the UVFITS reader can't handle > 1 IF. Plan to attend DiFX miniworkshop 23:30 CET tonight, Tue–Thu IVOA interop (virtual, 3x session / day, worse schedule than ADASS), present JIVE progress at RadioInterestGroup. Created test for CASA importfitsidi gaincurve import with specially created VL(B?)A dataset.