

ZWURM, 21-06-2021 13:00 (ZWURM through Zoom because of #COVID19 house quarantaine/wk67)

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

Harro mentions that the "checkbox" plugin for Redmine costs money for the useful version, hasn't bought it yet: trying to contact sales department since special terms and discounts apply for not-for-profit organisations. No answer yet.

Mark: Last week was 2nd week of ESCAPE school, unfortunately due to issues with the deep learning teacher this lecture (on the last day) did not happen and the school ended a day early on Thursday. The EHT collaboration meeting started on Friday, has an interesting program so will attend that this week - time slot unfavourable for being awake in European mornings. Pushed CASA tickets; one in validation state (MichaelJ did already validate it long ago so should be a formality), per-scan interpolation ticket still pending w/ GeorgeM - requires a poke. [Q: Des] Need this for MichaelJ fix test passing, can use ticket branch? [A: Mark] Should cherrypick from that, will help. Doing parallactic/coparallactic angle correction for Hobart: flagging outer edges of band improves data quality to usable level.

Paul: jop83/archive: NFS issues last week, fixed at some point (aps3 mounted again), but scripts on jop83/archive still no work; in root's bash history "rm /aps3" - was symlink to "/auto/aps", which is actual mountpoint; after creating "/aps3" symlink everything back working [supp.sci. vlcoffee this morning also discussed this, possibly rearrangement when new archive server being configured]. EVN monitor progressing; data ingress from Wettzell working. Monthly zfs pool scrub revealed seven (7) broken disks in five (5) machines, replacement disks ordered (out of warranty). fb16 now in production. Re-evaluating HDD vs tape: 12TB HDD ~250€, 12TB LT08 ~80€; but tape requires less cooling, electricity and weight on correlator room floor. Q: how difficult to change operations to use tape? [Mark:] Probably need staging area and several tape drives, but might be doable.

Aard: EVN monitor: finally have super-permission to see everything! Copied Wz setup for On, now need to contact On for putting data in; even "basic monitoring" scheme requires work/support from station. VEX writer done; script to broadcast one thread to others and cycle working - need outer script to actually run sfxc for all combinations. Gitlab plugin to download data from EVN archive rewritten to Formik - despite both ends now in ReactJS not work; example code from documentation: doesn't work either (changing dependencies, APIs, ...); after steep learning curve figured it out.

Des: attended LOFAR Long Baseline busy week as CASA representative, turned out to be fruitful: for LOFAR not everything is point source, so use crude image to feed back into fringe-fit stage to improve calibration [documented]; would work even better if everyone at same space-time coords. Wrote different version of polarization averaging; the tests for frequency matching issue (still) fail to

pass/run. Need to deliver revamped PaperDB to Zsolt this week - halfyearly paper review coming up.

BobE: automatic transfers from JB0 -> JIVE broken: one disk with I/O error cause nftw(3) to stop, so jive5ab doesn't see all mountpoints: get vague errors about more data at destination than on source; unmounting broken disk makes transfer system work again. Investigated changes necessary to consolidate archive backup on same LT08 as DDD: doable (weeks time scale), keep administration separate (as long as an entry can be linked to a label on tape that's only req'ment). At vlcoffee noticed that BobC micromanaging fb space; zfs performance drops (noticeably apparently) if fill > 95%. [Paul: can set limit to 101% but then never get reports ...]; clear that disk space is becoming an issue already.

Ilse: ESCAPE school + EHT collaboration meeting = same as Mark; inbetween sessions attended EAS and Diversity meetings and addressed issues; EAS basically ready to go. Finally have conclusion: EHT ombudspanel should get six persons; discussion on results of climate survey shows there is still work to do ... Q: at EVN users meeting, to announce science platform (jupyterhub?), get beta testers? [Aard:] Only if plugin really works, but may be too soon [Harro:] also need to arrange for feedback/documentation mechanism before getting external (to JIVE) users in.