WURM, 26-06-2023 13:00 WURM (Oort cloud)

Present Bob, Aard, Wybren, Des, Mark, Ilse, Marjolein

Plenary announcements: JIVE general meeting and e-VLBI tomorrow.

Mark: CASA workshop evaluation and financial wrapping up. Attended RADIOBLOCKS meeting, now working on prototyping code.

Des: Used new DOI creds - seem to work; we have real DOIs! Helped Wybren w/ MySQL (see Wybren's contrib). VEX2: was all in schema so tested on production version and committed, code not rolled out in prod yet (after e-VLBI). PolConvert misery: some diffs seen, tested various elements (visibilities, phase calibrations &cet., all seem to be ok, found strange data handling, write data to file, execute task, overwrite contents, makes it difficult to inspect intermediate result; now forced code to run only first part and found there exists extra minus sign appearing after adjugation; errors are at small levels anyway but need fixing; when using a wrong/bad antenna code would coredump, fixed by flagging but may have to find more elegant handling.

Aard: found sfxc bug when million point fft w/ subints; do not use subints = it works, need to find cause. SATOSA proxy for SURFconext working. sfxc paper: did simulation of n equal antennas, different noise + small same signal, phased-array should sum(acorr+xcorr) but sfxc drops acorr, use simulation results to show this does not affect the result. Attended RADIOBLOCKS mtng.

Wybren: attended SURFnet networking day (see tripreport). db0 work w/ Des: do not use backup but export+import indiv. dbs; found that backup does not write triggers and procedures as SQL but as tables?!; now working on users+grants tables (dbs and schemas must exist before grants can be set up), finalizing setup of machine (e.g. making sure it's backed up &cet.) such that once we switch over it's properly in production; need to arrange test w/ BobE. sfxc-f2 scratch partition broken (HDD #FAIL). With Martin: updating FlexBuffs to Deb12, start w/ sfxc-l0, then fb7 (both not entirely into production). Tried to mail HDDs to ServerDirect: made package but not picked up? Current suggestion is that disks broken due to vibrations. @Aard reported issue with code.jive.eu: cannot register own key (anymore).

Ilse: attended EU-level nmeeting in Lund (.SE), .SE still EU presidency; .ES taking over 1 July; magic word was "FAIR" and astronomy is way ahead of basically everyone else (VO, archives); "AI" was 2nd most important; discussions on finances: ERICs compete at national level and rules too complex => may feed into FP10 pillars discussion. Handling workshop aftermath. Q from A'dam: fringe fit w/ range then plotting scans show phase offset, was able to provide help (had similar issue). RADIOBLOCKS WP5 task 3: trying to get momentum before summer but very little response. Started time mgmt course, writing requirements for simulations to be able to test calibration schemes, checking JackR's pipeline, and working on work-

climate survey.

Bob: Py2->Py3 testing: operators asked, using runjob; find out showlog needed Perl module not installed yet and need to handle different locale. MartinL: probs w/ e-shipping from Chinese Mk5B; data rate from FlexBuff in same network was good but not from Mk5B, testing from Mark5B to local FLexBuff also not good => problem w/ their Mark5B. Mark6 dispack copying hangs: one disk failing-but-not-entirely; need to take out disk. High-datarate observations resurrected, checked runjob, is datastream based so should be capable in design.

AOB:
[Marjolein] Are the HDDs in trantor2 - the replacements for the weirdly #FAILing disks - in full production use yet?
[Bob+Wybren] not really; system was put into pool but did not have external IP address until this morning so e-shipping did not do much, and there isn't much of the session left to transfer. Will ask Martin to put any left-over manual e-shipping stuff on there.