

WURM, 13-02-2023 13:00 WURM (Hooghoudt room)

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

Plenary announcements/discussion:

- There will be e-VLBI tomorrow, usual suspects be ready for stand-by
- IvánMV visiting this week, lots of PolConvert discussions going on
- New hours writing, (leave + WfH + sick) request all integrated; will be required to fill in timesheets from 1 Jan 2023, details on who, how much, which project will be forthcoming. [Question: WfH also in old system for overview?] No, b/c then you'd have to enter data twice, is not an improvement. [Update: by the end of the afternoon the old system was removed from the intranet, rendering the point moot ...]

Aard: tested sfxc-l0 Deb11 install: can correlate if several nodes upgraded; problem is Py2 scripts on out.sfxc (Deb11 does not have Py2). Some tools already Py3, notably not sfxc-gui, so same probs as w/ CCS migration b/c of PyQt4=>PyQt5 [Mark: plots being redone completely in Py3 so wait w/ migration until that done; plots are ~80% of sfxc-gui; Py3 on out.sfxc new enough?] Will hold migration of out.sfxc; py3 is 3.6.9, should be just about new enough. [Marjolein: how many LOC are we talking about?] few thou, but see CCS Py2=>Py3 migration [BobE: CCS code was more complex so should be manageable], only incompatibility found w/ libs if mixing Deb11 nodes. FRB team report bug in sfxc? Observe pattern: every 2nd IF change of Stokes param sign: investigation finds their sfxc version has local fix for wrong sideband (issue w/ lsb found+fixed earlier), but mixed in other fix erroneously applied to flip both IFs; now have correct and updated-with-other-fixes-as-well vsn; suggest to run on (polarised) pulsar to test. Access to DAS-6 cluster, works (but info misleading/wrong); managed to compile+run toy correlator on GPU. [MarkK: JohnR forwarded NVIDIA developer conference, should probably attend]

BobE: TOM backend: added requests for observations until end of month so if stations indicate availability schedules will be generated for download; Django app uses sqlite, which doesn't do concurrency very well (if at all), want MySQL but db0 MariaDB too old, Paul: db1 has newer vsn. DAT tape installed, can read tapes but extracted content doesn't make a lot of sense so far (cat files and labels = no match); issue: tape label not written on tape, can read tape only whole, sometimes find entry but starts in middle of catalog; actions: try diff block sizes, try to find original code. CVS: tried cvs2git on code.jive.eu and works, now getting archive local mods committed before conversion and checkout on archive2.

Ilse: 2nd CASA VLBI workshop announcement out the door, layout got garbled for some reason. NAEIC discussion: national EID climate survey? Also have NAEIC meeting this week; EAS survey results uploaded on ORP-PILOT Redmine. RA processing restarted, immediately ran into casadev Py3 version probs. Want to do rPICARD testing this week. Q for Aard: what is current JupyterHub CASA vsn? [Aard: 6.5.2]

Mark: IvánMV visiting this week, CASA VLBI meeting this Wed. Before last week was convinced that VLBA zeropad data implies do not apply correction, turns out AIPS defaults is to apply even when not 0-padded (missed GOTO statement ...) i.e. old code did same thing as AIPS, will contact TammoJD on reverting casacore commit.

Wybren: working on Deb11 Ansible procedure: sssd now working on Deb11 – not trivial since w/ same setup as with Ubuntu "everything" broken, AppArmour complaining about almost everything b/c of wrong profile; some complaints remain, looking into fixing those. Restarted LDAP setup in Deb11, hope to finish this week. Installed sfxc-l nodes. IPMI power monitoring: ongoing investigation.

Paul: DAT restore: nicked DDS4 drive from visitors room (with approval), connected to out.sfxc – see BobE's report; can read DDS4,3 and 2, need diff tape drive if we want to recover the DDS1 tapes; also looking for cleaning tape (Marktplaats, they're not manufactured anymore) since when using DDS drive at some point will start asking for it. Received reviewer comment on submitted EVN Symposium proceedings paper (unexpected), will be addressing that. Help using db1 for new MySQL/MariaDB vsn. Reported eee <-> vlbeer issue (conn stall after while): certainly looks like MTU prob, so far seems to be traced to ASTRON fw. Air flow behind racks in corr room now proper doors iso bubble wrap!