

WURM, 06-11-2023 13:00 WURM Marjolein's office

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

Plenary part: there will be the EVN CBD and JIVE Council meetings next week at JIVE. [Des+Ilse: first EUCLID imgs tomorrow!]

Wybren: attempting to start Deb12 upgrade run into lots of issues w/ clusternodes, decided to fix underlying/basic probs before continuing (BIOS settings, switch ports on blade systems), automating IPMI key mgmt+rollout: can now make BIOS backups and push BIOS updates/configs, implement failsafe against pushing wrong BIOS, then update all BIOSes, push correct config, after that upgrade O/S. [Q Aard: Can ShivaniB correlate again?] Yes; sfxc-l node not in migration yet, sfxc-k node was needed, but she can use the rest; check w/ operations. Demo ntop_ng: working on that this week.

Ilse: following up BHTOM science targets: two mismatches and one 4C source w/ many VLBI observations so nothing to do here; have fed back to scientists, got question re LOFAR (have good resolution + all-sky): what API (we think it's V0 but will check w/ local peeps and then feed back). Preparing for NOVA Instrument Steering Committee and RADIOBLOCKS mtng this week. Workclimate survey: will be sent to Ipsos this week for translation+implementation, some PR for this @next week's plenary. "Sharing a baseline" pilot outreach project targeting school kids; some EVN+LOFAR sites working on this, helping Ioanna.

Des: found that PCAL table now in MeasurementSet (from AIPS FITS file), tried and easy to get results out: should be low effort to add to CASA [Marjo: excellent! But try to be aware of doing too many things at a time]. Charlottesville meeting: ngCASA + building blocks, trying out new system, could not import EVN MeasurementSet, acknowledged to be "their problem", expect fix this week; found out JustinL CASA stakeholder for VLBI but never used EVN/EHT [Ilse: related, CASA User Committee being reorganised, should have EVN representation there, maybe same person?] [Marjolein: yes makes sense]. Will be attending (part of) the simulation meeting organised by Ilse.

[Des+Ilse: What about RADIOBLOCKS WP5? Hardly any activity there?]
[Marjolein: I've brought this up in WP4 mtng, specifically that ASTRON is doing 5.1 and should 1) involve us in there because 5.1 going off in own direction isn't good (ChrisB to be pinged) and 2) expected to run on same accelerator h/w as WP4 is purchasing so more collab needed there]

Bob: db access issue (temp table creation) holding back Py2=>Py3 migration: doing unrelated action made problem go away (delete users didn't help, create temp table in other schema fixed it), diagnosed as mysqld bug and won't spend more time on this; can now proceed ccsbeta Py3 conversion (Py3 int division issues and lack of `cmp` operator in Py3); before live test want to check/run fb xfer test system, but state is close to switchover date (possibly test during

e-vlbi next week?). Proposal tool: conf files are hostname dependent so migration is more involved than just copying the code, but doable; this too is close to switchover, need updated DNS + cert from ICT [Wybren: I'll take care of that]. pySCHED support: user anaconda env broken, after reinstall found FORTRAN compiler + linker set in yaml don't agree, but SCHED builds now (separately); remaining problem, as far as known, is prob in .skd file. Start work on DBBC3 plan.

Aard: BobC: have 4 Gbps spectral line exp with two lines that don't fit in one band so have two (partially) overlapping bands - can sfxc handle? A: yes depending on how much overlap - if narrow corr bands have multiple choices (take the band from the overlapping SBx or SBy) it is predictable which one is chosen (VEX-file order first) but may not be the one intended; apparently this case not a problem. Helped MasS along after no-detection (clock search, show how to broadcast one-to-all channels), didn't help using a scan with not all stations in, suggest to step through delay ranges to search +/- 1 ms. JohnR shared GPU filter, filed first issue: not all code was in the repo, built ok, test prog runs, but is cplx samples only. WP4 mtng: selecting newer GPUs: cheaper card w/ more memory but less mem bw (which is probably not so good for our use case); debugging delay module and surrounding code.