

WURM, 18-11-2024 13:00 CET WURMng Marjolein's office

Present: Paul, Wybren, Bob, Aard, Des, Marjolein

Plenary announcements: none

Des: RADPS development ongoing: processing set = "lazy", what to do with calibration? probably cannot fit all in mem (on-the-fly?), also do not want to write back except only sometimes – discussing w/ team. Investigated ShivaniB's delay mapping, documentation is in head [Q: interesting enough to dump in wiki or text?]. PolConvert: want to wrap that up. Issue brought up: removing exps from blockschedule; implemented in Python script, handed over to BenitoM. Reiterated DOI doc based on more feedback.

Aard: single precision float made into CMake option, changed algorithm to have delays in samples iso time => can remove several divisions resulting in speedup, but loss of SNR (under investigation). CUDA wrappers: spending effort on this [Q: why?] Should, theoretically, also work on AMD GPU accelerators, otherwise need to re-implement; RADIOBLOCKS plan to purchase such a system. sfxc paper: ready to submit, now dealing with Springer red tape.

Bob: git SCHED rebase: after fork, in NRAO vsn had extra sched/ subdirectory, deleted on ours; git says it can handle, but tried on older versions and still don't work. Obs.Contr.System: investigating scheduling, seems partly usable; uses docker-compose but want to run components individually (to be able to see what's going on).

Wybren: Zabbix power monitoring in place, stragegey issue: shut down sfxc-[efgh] nodes, quite inefficient nodes – saves on power. Keycloak for BobE on bare metal: not rly maintainable, seeking alternative. Copied switch configs but manpage sais better to automate: include in burp backup system; this week no proper day to upgrade switches, will try next week.

Paul: presentations last week, created marcopolo accounts, Q: gofrito still requires root, for what? Several petabuffs underway: may need to invest in new rack for proper mounting of these – they stick out a lot. [Discussw/ Martin].

Marjolein: want to wrap up R&O before Christmas, expect invitations for a meeting soon-ish.

AOB:

[Marjolein: Correlator workshop next year – need a proto-SOC to develop the curriculum at the very least, may need to invite others]  
Appointees: DesS, (Mark+Aard)K, MarjoV