

WURM, 07-04-2025 13:00 CEST WURMng Marjo's office

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

Plenary: e-VLBI tomorrow, 1 Gbps/L-band with not too many stations, expect not challenging, JIVE GM tomorrow too: no info re VL0PS yet.

Des: experimenting with SFXC (=>AOB). Got data from BenitoM for PolConvert test, turned out to be taking 1/2 a day to copy (!). LSQ SNR investigated and implemented: intend to wrap + write up. Together w/ Wybren: sanitizing Flask env, where one instance serves three web-apps, but running into more issues. ERIC Forum gender + diversity subgroup: Europe is still in favour of it.

Mark: worked on registration form and announcement text for SFXC workshop. Succeeded in using UCX to transport data from one node's memory directly into other node's GPU memory; may incidentally have written C++ UCX wrapper.

Aard: following Des' testing made VEX parser pip-installable; some scripts to Py3, missing sfxc2mark4 and PCAL transfer scripts for geodesy. Made GPU code dynamically compilable, no gain on desktop but easier to run code on larger GPU. Own FFT in GPU filter: also needs a transpose, made an error in that (get memory error), likely address computation error.

Bob: worked on pipeline-product-protection-database script. DOI script: now works on epochs, how to test? [After discussion: generate for a subset of epochs, then spot check] Had some communication w/ e-Merlin about setting up jive5ab w/ SFXC e-VLBI ("streaming") setup: they are getting write errors from mem2sfxc, maybe try live debug session. BobC mentions SCHED12 released, should merge into pySCHED (on planning).

Wybren: w/ Des working on Flask apps de-cluttering: set up a Flask-VM, but cl2 has broken OS-info database (fixed, really weird bug, but self-inflicted w/o warning from system), now waiting for cert from ICT: taking a LONG time, and CSR process seems to be broken as well. fb HDD failure. Mattermost MySQL=>PostgreSQL: they *really* want you to pay for this migration "large database? See section X.Y.Z for help" => HTTP/404. Want to finish mk6-2 reconfigure this week.

Marjo: worked on SFXC workshop items [MarkK: LOC please final check registration form and self-register for test]

AOB:

[Des: got to stage of being able to run SFXC, now need data - should have some data-to-play-with publicly available, where to host it?]

[Aard: have a few seconds of NME, some pulsar data and some mixed bandwidth data, maybe spectral line?]

[After discussion: could be put on the archive, specifically as a separate "data product" for certain experiments, after verifying w/ PI if ok]