WURM, 10-03-2025 13:00 CET WURMng Marjolein's office

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

Paul: looking into Gitea issues (HTTP/500 errors); root cause as yet unknown, need to dig. Cooling issues started since last Fri evening, mostly fb's shut down was enough to prevent overheating, MartinL/ WybrenB switching equipment back on this morning. ICT User Committee: users asking whether good idea to rely on US companies (Slack, documents etc.) — SURF and ASTRON director share similar doubts b/c of "publieke waarden": looking into alternatives but except e.g. Slack => Mattermost migration will be lot of work; link DAS6 <=> FlexBuffs status: no action on ticket for > one month; looking into URL-rewriting switching off per user possibility; A/V equipment tender ongoing, Library meeting room will be used for pilot, expect to take some time for roll-out; calendar not working w/ MacOS — thinking of dropping support completely.

Des: working on LSQ fringe fit for RADPS infrastructure, looking into using numba and sympy; arbitrary channel/spw selection mod passed verification, now into validation by NRAO. Addressed probs w/ feedback tool reported by user. PolConvert on MS: w/ BenitoM, bring up at VLOPS tomorrow.

Mark: test cluster moved to sfxc-[ij] nodes, replaced golden dataset b/c want to be able to perform bit-for-bit comparison on same CPU (but also tests rewritten, to verify new golden dataset). Tried to use existing script to compare GPU output, find that station numbers and baseline numbering different => needs work to fix. Reference frame issue: edited importfitsidi then create/export FITS image: coordinates same but coord system now correct so seems OK (still require formal testing), contacted other arrays, expect approval. For RADIOBLOCKS looking into UCX API: project said MPI but Slurm + DAS6 + FlexBuffs => MPI difficult; under UCX can also manually start processes. Enquired LOFAR sampler setup: also two's-complement i.e. asymmetric encoding.

Aard: new normalisation data re-correlated w/ correct clocks (phases now match). Addressing more Py2=>Py3 vsn of sfxc2mark4 issues, geo experiment incoming, bug in code identified, will fix if data arrives. Clock-search utility "bug": scans w/o stations returned empty list (old) but get exception now (new); writing list of scans in control file so clock-search util can find scan. Built Singularity Apptainer, WybrenB installed Apptainer on test cluster: could correlate OK despite MPI warnings; advantage: no suid root necessary anywhere. Working on integrating GPU filter and TCC.

Bob: released new PySCHED vsn based off SCHED 11.8, repos synced (code *and* catalogs!); built PySCHED under miniforge — Qt problem. BenitoM running auto fringe test: fixed Py2=>Py3 issues.

AOB:
[DesS: have moved to using micromamba] [miniforge-based so OK]