WURM, 31-03-2025 13:00 CEST WURMng Marjo's office

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

Aard: tried using JohnR's GPUfilter in sfxc, replaced by own FFT
(turns out only dual pol really supported in practice) and expect
implementing WOLA is easy; still using GPU TCC — x8 performance on
own desktop, using 1/2 precision floats. Helped BenitoM w/ burst
correlation: two issues, using an sfxc linked to old library and was
using ssh-agent w/ old/too short key => #FAIL, but now can correlate
again. [Wybren: sfxc hanging on k-nodes from the auto ftp fringe
test] Yah, if something fails during startup process could hang,
maybe discuss if+how that should be fixed.

Mark: EHT PolConvert prob found to be PEBKAC. UCX testing: messages
between nodes in cluster, now trying to do direct-to-GPU-memory, and
if working, try to integrate into "toy" correlator. ACME: working
group on (VO)standards/data formats for the high-energy community w/
BrunoK — expected to deliver a document (milestone) ~ September.
Added ref_frame parameter to importfitsidi, this topic sparked
discussion on terrestrial reference frame/system for e.g. station/
array reference positions (typically comes down to: which ellipse
are you using).

Wybren: on Monday morning fb9 broken, have MartinL insert new disk,
then *really* broken, handed over to Paul to fix it b/c of having to
travel to 2nd day of SURF HPC course. Discussed SLURM accounting,
which could be useful for ourselves as well to get resource-usage
metrics (can be CPU cycles, power consumption, etc.) — could be
worthwhile to look into. Our Mattermost currently on last version
that support MySQL so migrating to PostgreSQL-based VM (clear that
there is a business model there: want you to pay for that migration
service); test deployment online, seems to be able to migrate; need
to coordinate downtime w/ users since have to take server really
down before full switchover. Added monitoring cache status of the
"stats" web application to Zabbix. fb5 SATA-DOM died; reinstalling
now.

Des: had lots of meetings last week, amongst others finding out
about Indico calendar links and protection levels... Tried helping
Wybren w/ Flask: want to distentangle three Flask-apps running from
the same instance better, but immediately running into Py dependency
hell where nothing works. PapersDB speed is erratic — should be
looked into. LSQ fringe fit in VIPER/RADPS: SNR derivation +
computation done, checked what AIPS does and now have an idea what
needs to be done; whilst at it changed FFT SNR from "KRING" in
ngCASA env; seems to be on par w/ LSQ output; could eventually be
transplanted into CASA.

Bob: new PC arrived, installing and data copying: find NFS + LDAP
not ok, created Jira ticket last week but no reaction yet, but time
limit for sync is set to one (1) week so someone from ICT already
came trying to collect old PC! Created scan filter for BertH in
runjob but has unreliably reproducible bug — added debug info

waiting to see if can fix. BenitoM reported ANTAB bug: some files have duplicate time stamps which makes interpolation #FAIL; added button to average those values [discussion ensues: why are there double time stamps? this is potentially hiding a problem so need to figure out what's happnin' – discuss at VLOPS tomorrow]. Hanging sfxc on k0 node was from 4 Gbps fringe test w/ Ur which didn't work very smoothly, want to allocate all k-nodes to ftp fringe test to see if that helps.

Paul: reminder: people have two (2) network connections per work place... Just before last e-VLBI SURFnet maintenance on light paths, disappeared, created ticket, re-deployed after that, but then were missing from dashboard (aliases were missing, got "UUID"s which do not help identifying which link is what). fb9 woes: the file system hung completely on the replacement disk, had to export a pool, take disks out, put in new replacement disk, resilver/repair, and then put back other pool: i.e. a LOT of work. Night from Sat=>Sun at 2:00 (or 3:00) AM: lots of alarms going off in Zabbix: one NVIDIA switch dropped all connections, back after few minutes but MLAGs did not come up: will create ticket w/ NVIDIA (paying for support). Looking into db[01] performance issues. RADIOBLOCKS link: apparently had ordered wrong optics, getting new ones. Am this week's Astrolunch speaker (science results).

AOB:
[Marjo: negotiating ICT part of the SLA w/ ASTRON, expect a lot of changes – many things not needed anymore, want it to reflect we have two (2) FTEs working on ICT too]

[Marjo: after last week's Strategy WURM looked into all open tickets: there may be a market for 'update WURM', 'Strategy WURM' and 'go over open tickets WURM' – the latter to prevent things falling off the radar. Currently ~6p of open tickets which means: too much for reviewing, but also not +Inf list] [All: ok let's do some spring cleaning of tickets, there must be quite a few that can/ need/should be closed]