

WURM, 29-09-2025 14:30 CEST WURMng Oort room

Plenary: Marjolein thanks everyone who has helped organising the SFXC Workshop for their effort, it went pretty well.

[Some collected remarks: enough interest (some cancellations were involuntary), two days is too short, room for improvement, certainly have much more documentation than we had before]

Des: busy at SFXC Workshop. After that working on tidying up PolConvert loose ends; ran on EHT data (no improvement over other results), Benito test case fine. Note: lot of SIGSEGVs, may need to look at memory mgmt. Cleaning up RADPS code.

AOB: j2ms2-generated MSs do not work out of the box in CASA, should be fixed.

Paul: T6 pkt loss down to 0.5% @ 2 Gbps, turned out to be only for iperf, not e-VLBI, found another firewall, but by then e-VLBI already started. Attending SURF Network+Cloud event tomorrow, hope to learn about international capacity. Working on unified backup script for all db hosts. w/ Des fixed backup reporting (add new category for bookkeeping/filtering). Fall-out from SWEEPS meeting: top-level ticket created w/ sub-tickets for actual tasks. Backup server was down for a bit following IPMI troubles (fixed). CRAF Redmine was down for a while: root cause = disk full (fixed). Quote for correct HBA for fb22 (finally). WR <-> Dw'loo link reinstated, 50% working (1 out of 2 fibers). jive.eu website "down"? at least page didn't display - traced to 10 MB press release image that was pulled by each browser, and _then_ scaled to 320x300 or so (fixed by Aukelien).

Bob: BerthH prob w/ Ur caused by subnetting w/ disk packs involved (fixed). e-VLBI: e-Merlin problems (no connectivity to out-station's jive5ab), got somewhat fixed, then borked again; eventually only De data, rest "WIDAR issues". Recorded e-VLBI: Lovell needed local control system (not FS) to enable non-celestial-object tracking; rerouted through DBBC2 eventually (after fixing freq setup difference between local system and DBBC2-based); recorded e-Merlin locally; Ef did as well, arranging manual xfers. Issue w/ dual xfers (manual + auto): root cause = a second/newer VEX file put on vlbeer triggered automatic d/l. PySCHED mailbox Q: can do subnetting? A: No, SCHED can't do it, so neither can PySCHED. POLARIS: security issue(s) tested on production installation: yes, still there; submitted to appropriate authority. BobC: log2vex issue, vbs2db chunks have name and time (indexed), but log2vex only uses scan label, so if different VEX in db => problem(s) finding data (fixed). jexp check how sub-projects are handled (e.g. for e-VLBI master w/ multiple user exps): what if changed/fixed afterwards? Seems all ok; all jexp data db'ified and all tools feed off the db. MartinL: vbs2db very slow on Yj data? Fix: it's complex-sampled VDIF, was not in list of accepted data formats so would check (much) more data = slow (fixed). Request from ZsoltP: MeerKAT added to evn calculator? (done).

Mark: SWEEPS meeting fallout: slurmification of regression tests? Progress made, including fixing ranks across nodes. Two IVTW abstracts accepted (Correlator and xarray-based VIPER developments). IVAO meeting: preparing interop for upcoming ADASS. BenitoM reported ANTAB issue attaching cal data, but shared the wrong raw data files, waiting for the broken file(s).

Aard: JavierG: evn monitor data only every 10min, thought it would be difficult to increase frequency, but maybe not that difficult after all; requested alert if no data uploaded [Note: would require individual accounts, for which a central identity mgmt would come in handy]. SFXC Workshop: some python scripts missing from install (added), plus some dependencies now pip-installable, notable exception is sfxc-gui b/c of PyQt5 dep not maintained (new Qt lib has "fixed" some things, but in a way that it breaks backwards compat, so not switching just yet). Hanging correlator MPI nodes: caused by sending "EXIT" via MPI (to capture individual node log/debug output into the output node and hence job log file; abort via MPI does not allow for this), if other message received whilst waiting => hang. Needs rethinking. Working on coherent dedispersion on sfxc-gpu.

Wybren: SWEEPS fall-out: install apptainer on cluster, put in own repo. Test LDAP server reactivated, also needed for SWEEPS; moved O/S to Deb13, find Ansible not working 100%, need to upgrade Ansible host to Deb13 too. "Anubis" proof-of-work for connections might be interesting for bringing down "DDOS"-like situation. DenisS (facilities): tested changing cooling (increment cool water temp), when scrub + correlating = lot of heat. Best probe still remains HDD temp but waiting for fix (zabbix module breaks ZFS and O/S hard disk driver (timeout)). Experimenting to have SMARTD send only useful info, such as HDD temp. Working on MPI configuration/installation w/ Mark. Attending SURF Network+Cloud event tomorrow.

Marjolein: CHEERS proposal submitted; JIVE is on it, as beneficiary, but no effort from our group required (I hope). Disseminated GDPR proposal for EVN-CBD/JIV-ERIC Council to JIVE MT; Ageing disk pool document nearly finished; expect internal dissemination very soon. Attending SURF Network+Cloud event tomorrow.

AOB:

[Q: How long to keep SFXC Workshop cluster 'alive'?]

[A: until end of next week]

[Re GPU server: added extra note to Redmine ticket: if support cannot be offered for reasonable price, opt for more DIMMs]

[Des: since SFXC Workshop more internal people know how to run correlator. We still have VGOS data to correlate - volunteers?]
Action Marjolein: get VEX file for the data.