

Hybrid WURM, 20-03-2023 13:00 WURM (Library meeting room and JIVE Zoomroom#1)

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

Plenary announcements/discussion:

- Marjolein explains hospital visit of last Fri and future outage expected from that
- proposal to have vlcoffee tomorrow b/c today's slot was missed (again)? [All: no, not really feasible, better wait for next slot in two weeks' time] Marjolein to mail ZsoltP about this.

Ilse: mostly held up in meetings last week. Managed to merge notebooks, as preparation for casa workshop. Registration for that one closed, have 50 in-person registrations (=the max); local staff can sit quietly in back row but indicate intent in order to be able to have enough food/drinks. Sat down with AukelienP on new leave system: several bugs came up, she hopes to sit down with the devs this week. rPICARD differences with notebook: no time, so no progress. This week: interviews.

Paul: cleaning tape received and already used; spent time repairing backups together with WybrenB; next week be in Paris.

Wybren: six faulty WD disks from new wsrt-fb7 sent to ServerDirect for inspection, after initiating contact (turns out ServerDirect was given wrong info on who contacted them - hence no contact to us). Contacted SuperMicro on topic of strange IPMI power readout, managed to convey/make understand the problem only last Fri. sfxc-l nodes put into IPMI power monitoring, turns out IPMI does not like high frequency polling, so increased readout interval. Investigating if dashboards can be automatically created but API works with "screens" which do not exist anymore. Besides ext[234] scrub, removed zfs trim b/c that is specifically for SSDs. Migrating Zabbix to 6.4. Broken disk in fb8.

Des: made progress on PolConvert, not finished; need to add error messages and make them descriptive. fringeFit with callib syntax (bug report BenitoM): difficult to find (=sigsegv), happens at Python/C++ boundary if default not actually set (Py defaults ended up in wrong source tree): add better error handling. Negotiation with GeorgeM/JustinL on casa tickets e.g. MichaelJ report [Mark: see my email]: that is an edge case so propose to make sure to add useful feature asap into CASA and fix edge case behaviour in later version; GeorgeM has started testing wide-band mode, and we have the data that JustinL uses to test.

Mark: pushing CASA tickets to make sure they end up in upcoming release, before the casa workshop; handled uprev of casacore, successfully processed back-out of VLBI digicorr fix. Last week first post-ESCAPE OSSR mtng; will submit trip report. EHT C&I mtng: discussing tutorials for next meeting and how difficult it is to find tutors; also attended EHT town hall meeting. Pondered idea on module for processing VDIF data and move to GPU (RADIOBLOCKS)

preparation). This week: NVIDIA GTC conference. EVN Archive V0-publisg-crawler seems to have finished!

Aard: JupyterHub moved to casa v6.5.3 [Mark: if easy, push to Zenodo], installed new node.js; found that eee-dev environment was broken (now fixed). Phased-array mode issue not being able to reproduce plot: suddenly realised Gb sent 1-bit data! Plot now looks at least credible, but would like a data point between small and huge collecting area (latter w/ Arecibo). During this found that disk inventory webpage not working [Bob, Marjolein: other web-based forms also don't work, need to migrate to services] [Action for Paul to look into reverse proxy and/or other solution to have multiple independent services accessible through physical services.jive.eu] Investigating low-precision (=short(er)) float representation to see what is still acceptable; maybe verify w/ sfxc by using software 16-bit library; or use "tf32" (tensor flow 32 bit, which is 18 bits, which is actually 16-bit precision float with a bit larger exponent) [Mark: discuss with JohnR]

Bob: attended ORP f2f meeting in Berlin, observation: (F)AAI big thing, "proxies are answer to everything"; proposal tool expects a demo "soon"; PawelZ poked Tr staff to look into checking automatically created VEX file(s): got response this morning. numpy bugreport: someone with fix for scalar variable, should also work on array descriptor but turns out only for F90 [we require F77 - red]; will look into this and likely create PR for F77 fix. [Paul: gitification of archive web code?] was done some time ago [Marjolein: minuted on 6 Mar 2023 that web site/code was gitified and ready for checkout and test]