WURM, 09-12-2024 13:00 CET WURMng Marjolein's office

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

Plenary announcements: Marjo's got her own Zoom-room so hybrid meetings will be held in a different zoom than JIVE ZR#1; will disseminate and remind again if & when it comes up. JIVE GM (=early start + short VLOPS), EVN CBD, and JIVE Council meetings this week.

Paul: EVN Seminar mailing list sending winmail.dat: Outlook setting that was changed by ICT (now works!) but until after raised w/ ICT again ("it now works?") got ticket closed message; made BenitoM list moderator. AIPS TV on archive does not work anymore, make BenitoM co-owner of repository. 10 x 16 TB HDDs from old archive placed into new archive. EEE reboot for patches = several attempts required to bring back to life. UK Petabuff arrived, mount in rack next year. About 19" racks: ICT moving to 80 cm wide racks. Working on database overview.

Bob: Observatory Control System: last two components installed: downtime (EVN would need uptime) + adaptive scheduler; seems to actually do something; at re-evaluation replaces whole queue (undecided if this is good or bad), would only work if all telescopes use the API to poll the system. New archive website: prototype was built using Bottle, now rewriting in Flask, works for some experiments; redesign expects some non-standard inputs to be handled. Git pySCHED rebasing together with MarkK: rebase Py version on own master to get clean patches then onto NRAO local, seeing files that have edits in both Py and master branch: code is ok but catalogs don't work b/c updates in both NRAO and own repo). Helped MartinL w/ downloading MeerKAT data, turned out to be an out-of-memory problem, remote jive5ab was given very little mem.

Aard: RADIOBLOCKS correlator code refactored, now in C++ and in order to use ASTRON blocks switch to CUDA-wrappers; is nightmare (not documented); want to use Filter and Correlator blocks, Filter useful for stage between sfxc delay algorithm and actual correlation, except currently doesn't work (does not accept real-valued samples as input, promised it would do soon). 8-bit VDIF: f/w bug? SNR fringes 5-10% too low; did quick test to cut 8-bit down to 2-bit, see SNR going down 5-10%.

Wybren: GPUs installed in FRB, not reinstalled yet. Setting up Keycloak: suffering from feature creep (e.g. attempted to do w/ Ansible). Transferring databases from db0 to dbzero as test migration until they all succeed. Monitor point for md-raid implemented, found one broken. New Flask VM built for Marjo.

Des: used jplotter to check PolConvert: zero diff except on ACs; checked IvanMV's source code and find no link between publications and source code - i.e. need to understand much better. HOPS doc fixed, VLOPS wiki does not exist (i.e. where to put it?). VIPER mtng this week: invited to demonstrate code. Ready to check in for next CASA release: fringe fit channel selection spread over > 1 SPW.

Marjolein: got reports from stations about jive5ab SIGSEGV'ing
erratically, sometimes only after many hours: diagnosed & fixed,
whilst performance testing on EEE2 found another one, also fixed.
Built Flask-based WebApp for EVN Publication statistics
visualisation. Have Zoom meeting w/ UAE next week.