WURM, 16-01-2023 13:00 WURM (Oort room)

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

Plenary announcements/discussion:
- Marjolein attended INFRASERV [ACME] proposal meeting last week, will try to negotiate some effort our way
- asked HenkV to keep the verlofforms working for JIVE until we've transitioned to our new system: that way we have a record for ourselves and can share our availability w/ everyone
- this Wednesday there will be the New-Year's speeches, BobC will do the honours for JIVE
- tomorrow there's e-VLBI - be available for problem solving (it's L-band so probably not much of that)

Paul: all new optics installed; mounted 2x LTO3 tape drive but neither work -> use LTO4 drive on out.sfxc: it can read LTO2 fine, doing several tapes/day. LTO5 taperobot test: getting 70-80 MB/s expect ~150 MB/s. Helped BobE w/ nginx + django + uwsgi (works). Scheduled mtng w/ BenitoM this week on archive migration; need HBA (have cables, thought we still had HBA - nope, must order). fb7b (old WSRT fb7) scheduled to be removed this week. Final vsn EVN symposium paper submitted. Together with Wybren: productionalisation of Mk6's, which jive5ab vsn? 3.1.0 not official but have pkg, what about vbs_fs [Marjolein: 3.1.0 never officially released, there is RC1 now; both projects should now build packages easily]

Wybren: several failing disks replaced, fb18 SNMP probs addressed. Set up ufw on Mk6#[12], moving Mk6#0 to Deb11. fb7 fully migrated & synced; not sure WSRT ops realise they're expected to record on that one, no shared access to new fb7@JIVE (WSRT becoming normal EVN station), will contact RichardB. Set up fail2ban on code.jive.eu webinterface [Marjolein: *sigh*]. Documented how to push ufw config from Ansible. "burp" issue w/ certificates if config and backup exist, need to choose which one depending on what's available. Added redundant 10G eth I/F to fb7. Set up VM to test w/ half raid1 and add disk later - works [Paul: yeah that's supposed to work]. Certificates for evn-vo and pb-vm pending. Bringing all Mk6's to same platform, finding sudoers issue: is this needed? [Marjolein: yes]

Ilse: NAEIC, NRAO/CASA, EHT and CASA workshop mtngs. Addressed requirements for workshop webpage(s) if supported by ORP. rPICARD on casadev works; MichaelJ don't have no vsn for MacOS [Des: there must be a MacOS vsn, I'll look it up for you][Mark: there may be just one (1) MacOS build]. Talked with RobertoP, SandertV about TMSS - not so much s/w platform as ideas behind the (automatic, templated) scheduling: could be interesting to generate run-of-the-mill EVN schedules. Analysis of ORP questionnaire at EAS yields biased results; most recipients identify as "senior male researcher" and don't see any problems [Marjo: of course they don't]. Working on script for RA data. Request from EHT: calibration training @Taipei meeting? [No, not if no reimbursement at all].

Mark: casadev back to old HDD+O/S; NRAO/CASA coord mtng: modular build system > 2 wk out, CASA v6.5.2 on the horizon w/ old build system, after getting that out, merge build system and per-scan interpolation patch (currently in validation by NRAO); mentioned IvanMV visit to JIVE in Feb re. PolConvert: JayB also working on this (required for global obs w/ Ef), request: could mtng facilitate remote/hybrid participation? Investigated what ORP funding of CASA VLBI workshop can be used for — only ORP partners tutors. MichaelJ wants old VLBA data into CASA, extension .UVFITS but contains IDI, but not 100% valid IDI (trailing zeroes & more) so triggers some importfitsidi "nobody will want this" issues (well, apparently people do). Some progress on datastructure for plots and OSSR paper writing.

Des: focussed on closure-based imaging w/ EHT before, now builds and trying examples: got it to work w/ EVN data; not full replacement of all cal steps, is replacement for CLEAN i.e. all cal up to CLEAN must still be done by self; requires strong averaging (one point / spectral window, ~10 min integration time); works "trivially" now for point-source, would like to run on src w/ structure [Ilse, Marjolein: there are definitely cal srcs in the archive that have structure or have double peaks]. Will present feedback tool @TOG so better had one to show off. Suma is away, impacting weighted fringefit attempt.

Bob: TOM backend exposed to outside world, addressed some usability issues: now seems to work; PawelZ test got HTTP 500 error report (needs looking into); code now installs pySCHED: found that ~ half Dec 2022 new numpy with updated f2c provides different interface to common blocks, not documented so need to find out exactly what's changed; arrays of strings are very badly affected [Marjolein: the nightly build on the VM didn't catch this?] apparently not, indeed. Idea (c) JunY: use FiLa10g splitmode to split 4 Gbps into 2x 2 Gbps, using both FiLa10g eth ports, want to test (manually) after e-VLBI this week.

Aard: Jupytercasa image officially accepted into OSSR; last WP5 monthly meeting: talk of continuing the good work after ESCAPE finish (~two weeks from now). ShivaniB: can has FRB correlation? Yes, want to demo to both BenitoM+ShivaniB how to do that but neither are on-site same day and self will travel next week. Question BobC: 1/64 t_int in sfxc no work? internally uses us for time representation but rounds to integer number of samples so w/ 1/64 s roundoff => error message unintelligible what is actually wrong, need to change. JasonH: use DSPSR to do dynamic level control to change 2-bit amplitude scaling to prevent artefacts when strong narrowband RFI present, could be interesting to see impact on EVN data. Need to prepare two TOG presentations.