hybrid WURM, 22-01-2024 13:00 WURMng Oort room + JIVE ZoomRoom#1

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

Plenary session: [Marjolein: I've got a lot of things]
Reminder: an approved travel request does not automatically show up in the leave overview, need to ask for "business trip" category leave. First strategy WURM next week; PaulB and myself checking Redmine as digital Post-It equivalent: not ideal but can accomodate most of the wishes for middle/longer term issues (e.g. planning a multi-staged project with subtasks and — deity of choice forbid it — Gantt charts). Hope to send mail later this week with schedule and URL of digi-Post-Its. Some mumble about internal affairs that cannot be publicly disclosed yet. In the EC CfP song-and-dance JIVE is involved in another proposal "EVNCam" — add 1-3 small-N small-D (16-20 x 6m) dishes to EVN+LOFAR site (share network, share H-maser) as wide field of view stations to the EVN (now) and outriggers to the large-N small-D ARGOS (European DSA-2000) which will appear in Crete. Building construction: opportunity to add electronic door logs/locks to JIVE basement and correlator room: necessary for cyber sec and GDPR.

Paul: implemented "digital Post-Its" in Redmine (special tracker), moved several projects to within R&D too so tickets & docs can easily be linked to each other; maybe not exactly 100% of wish list but def good enough to get by for now. Trantor2 to WSRT: actual fiber cannot do > 10 Gbps (dispersion related). Archive2: have meeting w/ BenitoM and BobE on next steps. Finishing WR paper for publication. ccsbeta test @ e-VLBI: new RSA keys to STS terminal servers, created PR for mk5 terminals prog.

Aard: closer look at Onsala 8-bit VDIF: samplerstats look like $int8\_t$ (-127..127) but mk5_access does $uint8\_t$ (0..255) — who's right/wrong [after mtng w/ Mark+Marjo: DBBC3 doin' it wrong; VDIF standard documents this]. Bumped CASA version in JupyterHub; Singularity on eee-dev now totally useless: dockerhub fmt changed, not supported in (old) Singularity: what to do w/ eee-dev? BobC/ multiple phase centre exp w/ low SNR phase centre issue: verified for both sources; correlation uses 1/4 subint, switch subint off => all SNR equal to no MPC => seems to scale w/ subints [MarkK: never properly commissioned, switch off in prod sfxc vsn first then find out & fix]

Ilse: lots of NAEIC last week, e.g. work climate survey running into first tech prob in under twenty min after opening (Ipsos: "never had that before"(*)). RADIOBLOCKS T5.3 mtng: not lots of work yet, good discussions though; MSTeams #FAILing so back to GDrive; wrote URSI meeting proposal. CEP6 work and EDI day this week. EHT science board nomination committee ongoing, refining process.

Mark: created xradio dataset (MSv2 => MSv4), select global, few scans, into 50 MB (will be part of CI/CD so everyone running tests needs to check out a copy: cannot have GB); VIPER meeting brought MSv4 issues to light (e.g. mixed pol handling, assume Tsys in data

sampled at all stations at same time). Created code to extract VO ObsCore extension parameters from our data sets. Got access to Grace Hopper superchip system: built+ran sfxc ok; optimization? ARM has fftw interface w/ half precision FFT: allow for investigating impact (e.g. loss of precision); cannot access code.jive.eu from DAS6 cluster.

Bob: multi-facility CfP: emails work, public access on the way? [Wybren: yes]. e-VLBI: ccsbeta test: partial success — all dbbc_proxies OK, runjob testing limited time (Tr clock test topped it); found prob in clocksearch (Py2 => Py3 woes). log2vex from Zabbix: all done in Py3 vsn [Wybren: is that using evn-monitor?] Yes [expect some breakage in the future (upgrading Zabbix]. Request AdriaanR reading back DDS1 tapes (old WSRT data) using JIVE equip? Test: tape drive ate tape and won't release ... Keycloak on local machine: "hmmmm"; how about kc VM? [Aard: yes we have one, not really used, so good candidate probably]. Got report from BobC: showlog issue: "sort on lags" but sfxc don't do lags.

Des: got assigned ticked to move EVNCalculator from dop288 (one may ask: why? we now have planobs avail? Simple mode in planobs?) [Marjo: step one is to get a hold of a copy of the code such that if h/w dies we *can* resurrect; let user/science upport bicker about *that*] [Paul: VLBA proposal requires upload of screenshot of EVNCalculator]. Got question BenitoM: sessions in feedback system? About time to hand this over to ops. Created branch for MichaelJ feature: cherrypicked, committed, built using NRAO help b/c was only giving a wheel not pkg; now it does. Dask fringe fit: have mini working impl: MSv4 all data per source = not OK (recover scans: not all meta data there, but should be); working on how to glue together partial results. Tomorrow SURF day on Big Data in Astronomy+Climate. PapersDB: it's January, ann rep upcoming: find repeating entries in PapersDB b/c autorefresh not using proper article primary key (know how to fix): proposed approach: stop auto update, remove dups, finish classification for ann rep, fixup code, restart auto update.

Wybren: wrote Zabbix template for SFP modules, 2 out of 3 report too high rx power, may need to look into. Updated gitea, mattermost. sfxc/fb auto security updates every two weeks: based on IP either 1st or 15th of month, not auto-reboot. Want to upgrade evn-monitor? [Aard: new Zabbix didn't work?] db settings lost, not broken, so should work; need to test if sites have access [Paul: make sure to contact AlexanderN at Wettzell before touching evn-monitor]. Helping Bo setting up multi-facility CfP host.

Followup points:
[BobE: 10 Gig to WSRT not good enough?]
[PaulB: for backup is ok, but need to optimise for (parallel) restore]
[WybrenB: ASTRON has 40 Gbps to WSRT?]
[PaulB: implemented as 4 x 10 Gbps, don't know how marginal this is]

(*) reminiscent of one of Murphy's rules: the repairman will never have seen a model quite like yours