

ZWURM, 23-11-2020 14:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk37)

Present eBob, Aard, Ilse, Des, Paul, Mark, Harro

Aard: Investigating authn/authz for EVN Jupyterhub - very difficult to support > 1 mechanism. Applied for ESCAPE Indigo IAM, no response yet. Integrating plotcal into jupytercasa image: find (too) many casa dependencies; probably easier to bundle app + libs from casa 5.7 in image (identical to plotms solution ...). Debugging SFXC long fft + sliced integrations hang: found race condition in unpacking data - remaining data should be deleted but not always, start new integration = hang. ESCAPE WP3 onboarding talk (together w/ Mark) this week.

Ilse: Finalized casa workshop fallout; lessons learned gathered. Attended EHT en NAEIC related events and online yoga (which doesn't quite work). Start preparing for RadioCameraInitiative presentation early Dec. This week more EHT gatherings coming. Hope to be able to spend some time on notebook versioning.

Des: Processing workshop fallout: ANTAB issue also triggers CASA issue [one station has one pol flagged -> fringe fit no sol'n for whole scan, all stations]; will create test data set from existing archive data for GeorgeM to trigger issue/validate fix. Working on own casa ticket: MichaelJ reported problem not related to MPI; have no permission to create core dump on RadboudU casadev machine - will continue after core dump avail. Spectral line fringe fit tested by self, confident does work, on to OlgaB for further testing. [Mark: won't work in general case since bug in spectral window mapping. Fix by me 1.5y ago, but not according to GeorgeM standard (wants proper fix) - low prio so won't get fixed readily. Not enough resources available at NRAO to handle bug-fix paperwork; submitters of small fixes give up after > 1y or so. All bugfixes have to go through same lengthy review and paperwork process]

Bob: Done split datastream test; runjob bug: mixing split/non-split stations didn't work; require sfxc trunk version to have crosspols; Hh required FiLa10G f/w upgrade; Ef FiLa10G sends wrong size packet after ~5000 pkts in splitmode (note: Mc FiLa10G showed same behaviour doing 4 Gbps test, non-split); need to drudg vex file w/o fila10g support. Now need to do correlator stress test. An issue arrived for pySCHED, which turned out to be a plotting issue; experiment start just after midnight, plot starts plotting a bit earlier -> seems to plot erroneous day; clearer plot now. Continue working on antabeditor documentation and NorthStar change requests.

Paul: Will be @ASTRON this Wed, ASTRON 100 Gbps network mgmt server arrived; will be installed as well as having meeting with ASTRON network staff. A SURFnet8 test was done during the split-stream test; rerouting/loss of one fiber result in few packets lost (former) to ~4000 lost packets (latter). [Should inform Dr Bob that this was done and what the results are, and as far as we're concerned as good as it gets.] This morning db0's root fs full (/tmp

temp mysql tables); fixed by dynamically growing root fs size +5 GB; should reboot db0 to clear /tmp. Invite people again to migrate to db1. Working on activating 31DEC19 AIPS on archive machine - more difficult than anticipated. Expose new planobs.jive.eu on normal port run lighttpd + fastCGI to serve non-standard VM port on http/https. Calibrating own data manually (fun). The V0 server might arrive this week and the upgrade of ldap0/1 is in progress.

Mark: Attended IVOA interop meeting; RadioInterestGroup: not much news; PeterT made case for single dish radio, although no common data format; looks like IVA0 authn/authz will be OAuth and JSON WebTokens based; data model working group not cup of tea but may be required to build better DM for radio; pgsphere (Postgres extension) supports MultiOrderCoverage - DaCHs uses Postgres -> our V0 service might offer MOC too. Will have to work on WP3 onboarding presentation, ADASS BoF paper. Intend to come up with per-scan interpolation in casa for MichaelJ; officially on GeorgeM but might take many years if left there.