

ZWURM, 20-09-2021 13:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk80)

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

Plenary announcements: the EC will open a call spring 2022 in the Horizon Europe framework (successor of Horizon2020, under which ESCAPE and ORP-PILOT are funded) so we'll expect to submit a proposal for that - currently entirely unknown (to me) with whom or about what.

Des: becoming a javascript + GraphQL expert, today's webstack pretty cool to develop with: working on migrating old VRI functionality to javascript. Using DataCite Fabrica credentials can mint (sandbox) DOIs. CASA memory issue fix validated, PR accepted. Combining polarizations wrapup: now write out solutions for both polarizations; need to verify that the polarization combining factory generates an object that implements this in the expected way; have not gotten round to testing/verification as per MarkK suggestion of last week.

Aard: sfxc home drive full, lot of (spacegroup) data from ex-JIVErts, is it backed up? [Paul: yes, but keeps only last N snapshots so delete now and in ~month or so it'll be gone] [Harro: contact user(s) and ask to move to e.g. marcopolo or ok to delete]. Managed to get Binderhub working on the demo Jupyterhub machine (it's a crazy nonsensical mixture of k8s and docker (latter is explicit dependency that the system doesn't actually depend on?!)), now know how: can port to production environment if desired [Harro: let's first publish this URL in the ESAP and see if it works, then add to prod env]; running on port 2080 since couldn't get system to listen on external IP address port 80 (not even w/ root privilege) [Paul: try with "sudo netcat -l 80" and see if that works]. Thu + Fri this week is Baltic "BAASP" conference, have talk on Thu afternoon.

Bob: Investigating TOM toolkit for ORP-PILOT, to add EVN in there, it's a Django application w/ two sides: scheduling + data presentation; former can be done [MarkK: advise not to re-use trigger infrastructure to distribute schedules, maybe something better should be developed and EVN will never be robotic][Harro: it doesn't have to be perfect, didn't get lot of funding, it's a pilot to see if it can work and from the start warned ORP-PILOT partners that EVN is not robotic and will never be], latter probably not [maybe run default pipeline and provide crude FITS file, or point to Jupyterhub w/ notebook]. Archive issues reported over the weekend: huge MPC data archived, hypothesis: database conn lost because copying files from temp->final takes ~2d, updating status fails, restarts xfer of FITS files from temp->final area; does 3x md5sum on huge files, after discussion think that at least one of them is superfluous. BenitoM reports problem w/ spectral line ANTAB, add width of spectral channel in file, then works; under investigation.

Mark: many meetings last week; initially could not log in anymore - laptop new ssh, does not accept portal.astron.nl's ancient ssh; together with MikeS go through bastion.astron.nl and use FIDO key w/ ssh, now works; very old machines at JIVE: head/tail (should have been virtualized + upgraded O/S long time ago, but on radar), casadev is real problem: now CentOS6, CentOS7 also old, cannot go to CentOS8 w/o contract - NRAO sol'n: provide CentOS image to compile CASA as packages, then distribute + run on any old Debian/Ubuntu & cet; will discuss as postponed CASA/VLBI coord mtng end of Sept; have spent time verifying that CASA still builds; have V0 workshop teaching tomorrow.

Ilse: spent time validating Des' memory fix; implemented some fixes in spectral line notebook. EHT is preparing special session @EAS 2022, involved in writing proposal; ngEHT activities starting up - expect science book this year. Rounding up authors for writing CASA-VLBI paper. Took part in Future of Meetings, lot of expertise in "howto hybrid" by group in Australia, published observations: "digital first" seems to be very important; group planning to generalize tool to compute how much is saved by having conference not in-person (was specific to one particular conference). This week: JUMPING JIVE final reporting: helping Giuseppe; V0 workshop teaching; Wed @Nijmegen for ChristiaanB thesis defense; check new CASA ticket if can be reproduced.

Paul: will install new new fb5 backplane tomorrow. Correlator floor strengthening: expect equipment to be switched off starting Thu 11:00 AM [Update: contractor indicates staffing issue, may have to postpone]. Last week at Bad Honnef / CLONETS-DS mtng (see trip report). Will be upgrading gitea to allow upload of PDF; GNU radio conf this week (US Eastern time) so will reschedule/take some time off to attend.