

ZWURM, 22-11-2021 13:00 ZWURM; back to WfH (COVID-19 wk89)

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

Paul: Correlator floor reinforcement was finished around lunch, will try to replace first rack this afternoon (ahead of planning), expect downtime + switching at end of afternoon. New IPMI switches were ordered and will be installed (energy saving wrt old switches > list price of new). This Fri evening more downtime: ASTRON 100 Gbps switchover and merge JIVE/ASTRON onto same link. Expect FiberStore equipment (bits & pieces for expansion of data centre and replenishing stock). Got quote for 90-bay FlexBuff system.

Des: CASA wideband low SNR improvement 2nd attempt actually does improve SNR ~3 detections! Now working on speeding up of the algorithm. Got request from upstairs to link publications to specific station (Tr) for statistics, involves manually scraping annual rep for EVN project codes ...

Aard: co-I on another Nature Astronomy publication (Nimmo et al.)! e-VLBI issue last week: Ir data from future; investigation revealed sfxc interpret invalid marked VDIF frame (inserted by jive5ab) header values, leading to erroneous time stamp decoding (fixed) [BobE:] officially the invalid bit only marks the data invalid [discussion:] extremely hard to fill in correct missing header so let's keep sfxc as is, maybe experiment more with jive5ab "udpsnor" protocol - BobE will try at next clocksearch if time permits]. Authentication using SURFconext: more difficult than expected, uses SAML iso OAuth; https on eee-dev impossible, must do on production env. Continued development of notebook version control on JupyterHub.

Mark: Spent time monitoring e-VLBI live (using eye technology) and by checking recorded e-VLBI concluded problem local not @Ir; ran MPC (4-5 phase centres) with e-VLBI w/ moderate wide field settings for 30min w/o any noticeable issues; buffering changes made by @AardK helped, committed yet? [AardK: hardcoded values in sfxc probably not best option] [discussion: make config option in runfile]; other observation: weight- and fringeplots didn't work, tool need to track different files during e-VLBI+MPC. Pushed CASA tickets; importfitsidi time range not updated correctly sometimes, now pushed upstream; dysko storagemanager for LOFAR now in casacore, next stop is updating CASA to new casacore; SKA request (via RobertB): CAN HAS UVFITS w/ > 255 stations? Suggested Miriad workaround is not very good, better change to (documented+implemented years ago by Greisen) AIPS approach, will update importfitsidi for them. CASA VLBI tech meeting w/ George, no mgmt present = better: per-scan interp discussion points ironed out. This week European Data Providers forum (three full days).

BobE: The automated pySCHEd matplotlib checker croaked up w/ another deprecation; dashed line (None) with DateTime was own work (not supported by mpl out of the box) and this implementation uses deprecated code: either rewrite or try something else, force mpl

version that does not deprecate this code. Request from JunY: could JIVE stop FiLa10G sooner after e-VLBI ends? BHTom: is full Django app on backend (running on the VM), try to make one callback hook work: attempt to let TOM form communicate w/ our backend. During correlator downtime moved ccc Python from svn to git, checkout from git working: automatic fb xfer system working.