

ZWURM, 13-12-2021 13:00 ZWURM; back to WfH (COVID-19 wk92)

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

Plenary announcements: Looking for topics for the EVN newsletter – correlator floor and fireproof safe could be in, anything else? [No] There has been a request from the basement to have an application to monitor the FiLa10G/DBBC when doing e-VLBI – anyone offering? [Des: I have offered this a long time ago already, so yes]

Ilse: EHT meeting last week – lots of time at different time slots. AIPS/CASA comparison: still observable differences but at least comparable: under investigation (flagging? weights? anything else?); calibration solution comparison together with ElisabettaL (INAF, ARC Bologna). BenitoM's continuum notebook suggestions and remarks addressed [discussion on Tsys+ANTAB ensues, tbc at vlcoffee]. This week meetings: NAIEC, NOVA, CASA VLBI coord; for special astrolunch produced AIPS/CASA comparison img.

Aard: e-VLBI last week very eventful, turns out fb10 network issue root cause for rainy weights; hint was in demsg output, link had a down/up event day before w/o real cause [PaulB: error counts on the interface are also high]; quick fix to skip invalid frames discarded jive5ab filler frames ("sfxc keepalive frames") as well, make correlator hang (fixed). [MarkK: committed on trunk, what about stable e-VLBI vsn, when pushed to there?] Can be done after being verified, maybe do test. Notebook committing on Jupyterhub: now works! Creates rep, user, commit = "invalid request"; turns out gitea freshly created repo not initialized automatically (now fixed); now need button in plugin to actually commit. SURFconext auth: ASTRON not in list b/c IdP must authorize service, possibly not avail in test environment. Report from basement: correlator won't start? Caused by "run input node on cluster" checkbox not checked (forgot) but checkbox is useless these days b/c won't work at all if not checked (as demonstrated), should be removed.

Des: Polished up PapersDB, ZsoltP cannot log in, suspect pebkac; otherwise seems to be working Just Fine. On own computer set up Apache config + Flask + WSGI to handle experiment URL without HTML parameters (in sub-URL) and let standard addressing schemes intact [BobE: including d/l data w/ password?] [Des: yes]; will become DOI landing page. DOI generation: not all fields supported in the JSON, must use XML, so now minting is two-step process: use JSON to bootstrap/generate DOI itself, generate XML with full meta data and then send back to add/overwrite certain meta data associated with the DOI, which now includes identifiers of JIVE's GRID record and the EVN Archive's re3data record. CASA VLBI paper writing this week, plus CASA coord mtng: want to do some polarisation combination preparations even though might not make the bill. Time allowing: baseline stacking; though about it, need to see what is possible.

Mark: EHT mtng, long hours at inconvenient times sometimes, watched recordings of graveyard shift talks. Spent time on e-VLBI issues, want to test udpsnr protocol; root cause is Ir developing ~12% pkt

loss on link, could PaulB help debugging the link with the Irbenians? [Paul creates Redmine ticket on-the-fly to not forget]. CASA tickets: dysko storage manager in next CASA release; > 255 antennas also on NRAO list, created CASA ticket proper (not VLBI specific), pending validation.

BobE: Had test w/ udpsnor ready but due to eventful e-VLBI startup didn't test. vbs2db issue: using 1MB data #FAIL timestamp decoding, then uses whole chunk (256MB), which is time consuming. Also, because of large number of chunks ran out of xargs number-of-arguments so wrote script that attempts to find `_actual_xargs` limit (script already checked an xargs limit but there are more than one). BenitoM + GaborO: changed catalog entries for some Australian telescopes in SCHED, need to propagate into pySCHED. Archive webpage: standardplot PNGs requested to be in the HTML, but images are rotated? NorthStar change requests for e-Merlin justification must be in place before next CFP.

Paul: IPMI password must be changed; new hardware has unique, random pw, old hardware has default; OK with those involved to write it down in the rescue folder in Marjolein's room? [Yes]. Re pkt loss: network monitoring of microblade switches show gaps, root cause traced to bug in switch f/w SNMP implementation, all have same EngineID; bug filed with manufacturer, have set EngineID manually to fix. fb9 broken disk (likely related to corr floor rebuild). Network testing: fb10, fb7 and m-nodes suffer pkt loss, possibly dodgy cheap optics root cause. Attended SALF VIII conference, very interesting; skipped graveyard time slot (02:00-04:00 ...). SKA paper woes: deadline is before end-of-year but requires work (now at least co-author). THEZA paper had lot of referee comments, needs big rewrite. On Dec 17th after office hours will attempt merge of ASTRON onto 100 Gbps. log4j vulnerability: used in NorthStar, but possibly soooo old that not vulnerable; Q to BobE: connectivity to MySQL improved from NorthStar host? [BobE: nope]: will ask ICT with more force.