

ZWURM, 24-01-2022 13:00 ZWURM (COVID-19 wk100)

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

Plenary announcements: remember, the TOG and GMVA will be held 8-9 Feb: please provide input if you want to make sure your hard labour isn't missed, otherwise it'll be whatever I can remember from the ZWURMs; the IVS General Meeting has moved from hybrid to full virtual so registration can be done at will w/o asking me; the INFRA-TECH proposal discussions are slowly gaining momentum, this week we'll have a few meetings with those involved locally.

Aard: sfxc problems: PaulB will say more; Q: fb5, fb17 issues fixed by MLAG fix? what about ssh issues? fb17 pkt loss? Progress on Jupyterlab git commit plugin, have identified correct frameworks and wrapping of objects, should be "just javascript issues" from here.

Ilse: comparison AIPS vs CASA: found + fixed some issues in AIPS script, transfer from calibrator to target sources still not optimal; compared calibration output to JackR DARA tutorial: one source still odd, but overall still converging. NAEIC mtng, started work on SKA-VLBI paper. This week: SKA software training preparation, CASA VLBI paper mtng (which clashes with ngEHT C&E wg), CASA VLBI coordination, ngEHT wg.

Mark: MPC tests during e-VLBI clock search not at all possible, too many n/w issues so no test time left. V0 server: DaCHS updated, did not require O/S upgrade, but still want to do that; adding links to preview image to V0 record: issue with archive only doing http, V0 server only https: browsers do not allow this typically (addressed in new archive server); our ObsTap service not yet propagated. PhaseCal tones in MS progressing. Invitations for ngEHT DataMgmt WG sent. Mtngs last week: EHT town hall, EU-VGOS meeting. This week: INFRA-TECH mtng, attend SURFsara research cloud introduction.

BobE: archive website finished, discuss with BenitoM et al. to verify. In e-VLBI only few minutes of test time left: tried udpsnor protocol, was sent to sender as well = issues(*); MPC test: guis came up [MarkK:] Observe weights? A: saw one weight. NorthStar started to produce errors connected to name->coord mapping service, maybe it was moved? LT08 tape full error message was unclear (fixed); LT08 w/ mixed archive/sfxc output holds ~14.5 TB of data (raw capacity of tape is 12 TB uncompressed).
(* udpsnor is only implemented at the receiving end of a transfer

Des: tested control_dbbc.py during e-VLBI, mostly OK, got problem report from Mc (polling issue in dbbc_proxy or elsewhere?), maybe utf8 related? Database query extended to show experiment+scan, if available. Fringefit document, transferring from Notebook to other format. This week LOFAR busy week, attending LBA group [MarkK:] how about using HBA data to calibrate LBA? [IlsevB:] Old idea, tried and found delta-nu between HBA/LBA too large but understanding of instrument may be better now so situation might be better now. Have already two datasets: one on which it maybe maybe could work, one

where it may work.

Paul: archive's mass storage HDDs have arrived. QSFP+ issues: 11 broken so far (out of 30+), cause LOT of networking issues, working on getting them replaced by vendor (but we have no working spares anymore!), supplier says: must be sent to China, repaired, back, could be two months. SNMP microblade switch monitoring: resource leak in SNMP implementation root cause of malfunctioning and blocking ssh access; works for ~3 mins after reboot then stops; will get new release of prod firmware; found that MLAG intermittent working on reboot -> unstable connections. Had telecon w/ ExclusiveNetworks (our official Mellanox supplier) and discussed support level nosedive since NVidia purchase of Mellanox. New evn-vo certificate; certificates valid for one year only these days. e-VLBI problems not caused by 100 Gbps migration: switch was confused by port reconfiguration, causing different MTUs to be supported on some VLANs (monitoring system showed e-VLBI traffic arriving at switches but not at correlator); took 1 1/2 hour to fix: half hour diagnose, half hour lost due to JIVE coffee, half hour for reboot; problems with Ys caused by RedIRIS (Spanish NREN) suddenly no jumbo frame support; fixed and tested after observation. fb11 new SATADOM expected today or tomorrow; supplier advised to look out for different solution, maybe SSD + mounting bracket, if place for that can be found. Security audit: Jupyter biggest risk, already shut down, unrelated to sec audit, so is not problem anymore. Received quote for tape robot system: less likely solution b/c support is expensive: pay each tape drive again in ~3 yrs. HamburgNet (provider of much JIVE servers) has shipped servers last year with different support level (not advanced replacement anymore but "just warranty") w/o notice! Our quotes looked the same as before, couldn't tell until yearly overview of what is in maintenance was received; under negotiation, not sure if CAN be upgraded, and if so, who will pay for it.