

ZWURM, 02-08-2021 13:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk73)

Present BobE, Mark, Paul, Aard, Harro

Aard: The Jupyterhub plugin now extracts calibration tables from the archive (waiting for V0 to return these DataLinks). In evn-monitor add Mc (had working install), pinged Ys (need to set it up) and pondering On. [Mark: TOG should take action on this]

Paul: UDT problems with Hartrao: together with JonQ redefined IP range for Hartrao, eliminate internal extra routing and asymmetric routing. Spending lot of time on ASTRON 100G migration + firewall upgrade; old ASTRON-SURF router has issues with new optics, may require reboot i.e. network outage: postponed to tomorrow because of LOFAR proposal deadline today. Many new broken HDDs (fb1, fb4, frb, sfxc-c1, and some more); messages to central mail account attempted to set up via Ansible but doesn't work so far. Mc enquired about fb upgrade possibilities/costs/timeline.

Mark: VEX2 standard announced! Incorporates some minor fixes, most feedback postponed until later (migrate first, extend later); version with changes clearly marked (strikethrough, colours) available now, have proper text published later. CASA: produced some versions for MichaelJ, still runs OutOfMemory w/ Des' memory fixes: need to buy more memory; X-Y mount fix now in casacore (LBA data processing in CASA!) so will end up in CASA eventually; evaluating Python CALC wrappers underway, CentOS6 on casadev so old Anaconda won't run [REQ: please get VM cluster and new head node with modern O/S], ALMA CALC interface nice but cannot reproduce CALC11 delays from DiFX yet, understand first before moving on. First announcement of the EU DataProvider forum went out, HelgeR and PaulH personally invited to contribute. Berth reported very slow correlation, using sfxc's debug button found one very slow Mark5: moving to 5C (crashing it) and then 5B+ fixed the speed issue; maybe copy Mark5 disk packs to fb as they come in; can be done when no correlation yet (no slow down there) and increase correlator efficiency.

Bob: UDT transfer to Hartrao (very) slow: at times 1h40m of no xfer at all! Debugging led to "disconnect" packet lost which is not resent (lost data packets do), triggers timeout mechanism, found likely bug in timeout system that increases intended 60s timeout to 6000s; UDT repo has PRs from 2012/2013 not honoured so likely dead. Backing up the archive experience tape I/O error every 2-3 TB [Paul: drive, tape or O/S error?] [Mark: check log?] [Paul: found these(*)]. Restarted work on archive redesign [Mark: @EVN Symposium users report very slow fitsfinder.php - suggest to base new search on V0 interface].

(*) Tape device related errors found in archive log
Fri Jul 16 13:23:19 2021] mpt2sas0: log_info(0x3112010c):
originator(PL), code(0x12), sub_code(0x010c)
Fri Jul 16 13:23:19 2021] st1: Error b0000 (driver bt 0x0, host bt 0xb)