

ZWURM, 12-12-2022 13:00 ZWURM (JIVE Zoomroom#1)

Present Mark, Aard, Bob, Wybren, Des, Paul, Marjolein

Plenary announcements/discussion:

- Marjolein mentions that cgi-bin scripts on the new evlbi.org website are possible, with the restriction that only one (1) of us has permission to write/update the contents of that directory. Since we need to migrate old.evlbi.org where everyone could do just about anything we must come up with a solution: pls start thinking.

Mark: VLBA importfitsidi issue: investigated, applied correction that shouldn't be done (DiFX doesn't zero-pad): most data not affected but if strong narrow-band RFI present correction makes data slightly worse; pushing fix through casacore. CASA VLBI mtng: RADIOBLOCKS is timely, although ngCASA direction not decided very likely it'll be Dask + xarray; GeorgeM: should think about CASA calibration infrastructure in that system. CASA VLBI workshop LOC/SOC mtng, ESCAPE WP3 mtng want to publish final paper, might invite Des, Aard as co-auth but paper more on policy + background of OSSR. Had local mtng with Bob[CE] on VEX2 data streams, can experiment with Onsala in getting it right. Want to continue EOPs, and EHT collaboration workshop this week.

Des: Investigating login using OAuth2: more difficult than expected; is only authentication not authorisation, which is what we want. Landing pages polished, disseminated to final check before real DOIs published. Have use case for weighted fringe fit: merged/committed but pkgs failed to build, applied other setting, will see at end of day if that worked. Want to try wideband fringe fit on real dataset. Will try to listen in on selected EHT workshop talks.

Bob: Py3 conversion: needed a lot of Aard time to test (data w/ fillpattern giving issues), e-VLBI tests need to be done: will coordinate with Berth. Received pySCHED mail: root cause = old catalog w/ string where number expected: pySCHED stricter parsing. Working on getting nginx/uwsgi set up for TOM Django backend.

Aard: finished Python script that uses fringe fit + LSQ to estimate FRB position for recorrelation - list of pos'ns handed to BenitoM, will see how accurate the method is. UweB has indicated wanting to enter Ef into EVN Monitoring system, waiting for ssh key. SFXC paper: received lot, useful, comment from BenitoM, FranzK.

Paul: fb7b rackmounted, next steps: moving data (preferably w/o requiring vbs2db) + transfer of ownership. EVN symposium paper deadline this week. Helped Des w/ Mattermost OAuth2, Bob w/ TOM backend. Want to upgrade Mattermost server - probably over Christmas holiday. Mellanox support contracts price increased ~20-25% (various reasons), trying to negotiate; leaf switches' firmware was upgraded already, now plan to do spines: will cause downtime, probably over Christmas too. SAS cables for less risky transition of archive=>archive2 ordered & received; also equip to reinstate SCSI tape robot for PoC. Plan to replace remaining five dodgy 2017

Flexoptic transceivers with proper/branded ones; already showing some spurious pkt loss (those were not replaced under warranty). Want to rename cl[23] to cl[01]=>also downtime, schedule during holidays.

Wybren: fb7b installed & configured, when trying rsync(1) get ~1Gbps, would take 18 days to do all data, will try kicking off six parallel rsyncs, need to coordinate w/ Observer@WSRT b/c fb7 still their local recorder. code.jive.eu: still out of memory, but no kernel panics [yet]. Tried to silence ufw logging in dmesg, impossible so switched off logging completely. Personal interest: investigate zfs metadata. Todo: fw on deviating Mark6(s), building VM for testing Debian.