

ZWURM, 23-05-2022 13:00 JIVE ZoomRoom#1

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

Aard: reply from GabrieleS re SRT beam: fwhm values do not match what we got - GabrieleS used distance between pointings, we used the positions and the two don't match up; value by GabrieleS results in 52m d\_eff, which makes enough sense so will use those params for the pipeline; when SRT comes back online GabrieleS will create new beam map. Created theme for Keycloak which includes privacy policy (user must accept on first use) + technical and operational measures document. Keycloak now at vsn 18, we at 11; changed platform inbetween; sounds like wildly out-of-date but six vsn's released last year; new platform: our install now "legacy mode", supported for one month more; working on getting new infrastructure up-and-running. Ran tests for sfxc paper: scalability of sliced integrations, get counter-intuitive results.

BobE: spent all time working on pySCHED sunwarnings (lot of FORTRAN=>Python), will continue through this week.

Paul: spent time unboxing fb18 (former fb90/PetaBuff), installed O/S, all 72 disks (when switching on have to check cables for melting ;-)); rackmounting: MartinL machined kit to allow server to be pulled forward, making room at back, now working on securing rack to wall to prevent toppling; expect to put in production this week. Word through WybrenB from FranzK: "have \$MONEYS for fb", questions: for project or EVN? where?; hope to find out. Data from previous EBnnn exps; asked to provide schedules for next obs and correlation params for previous data.

Mark: e-VLBI w/ MPC plot hiccup hypothesis tested (recreated e-VLBI conditions in test) and verified fix. Did another review of CASA-VLBI paper. EOPs in CASA: recorrelated old test exp w/ different EOP values, indeed change in phases on some baselines, now can attempt fix and compare residuals. Had NL-V0 meeting last Thu, security team meeting tomorrow, CASA-VLBI coord meeting.

Ilse: laptop @ICT to fix problem, got back, spent several days to get back working environment (after really clean install ...). Wrapping up CASA-VLBI paper, aim submission next week. u,v-range test on hold, need to sit with DesS. Had short meeting with MarcelT from Hochschule für Technik und Wirtschaft Berlin (<https://www.htw-berlin.de>) on (degrading!) CASA tclean performance on memory-compute based system; now redirected to appropriate NRAO contacts, including CASA Next Generation Infrastructure. INAF data probs: spw windows in "wrong" order, fringe fit miss calib data; may be related: in ANTAB spws in definite order - after import missing cal data. This week only two working days.

Des: ill most of last week. Tried to build MeqSilhouette, using docker, but recipes not up-to-date so lots had to be (re)invented; got it to almost work. Received feedback on fringe fit memo from GeorgeM, will review so hopefully can be published quickly and

included as reference in the CASA-VLBI paper. On DOIs: parent-child model as implemented didn't work, computer just said "no" (base64 encoded XML in json in HTTP request in ...), after debugging found "white space in passing actual DOI from one format to another.

Marjolein: created release candidates j2ms2/tConvert with features "tConvert run from lisfile" and "create FITS files of any size"; passed regression toolchain test; should add test for multiple+single chunk FITS files. Created Py3 versions of vbs\_ls, vbs\_rm, dbbc\_proxy, vlbish. [Mark: should set Py3 as default on our systems? Also may need to install "python-is-python[23]" to set up /usr/bin/python, otherwise scripts with #! won't run]

AOB: [Mark: phase flip in MS by j2ms2 - prefer documentation or patch?] [Marjo: prefer doc since would like to know what we've been doing wrong (or not), prefer to understand wazzup with that]