

ZWURM, 01-02-2021 14:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk47)

Present eBob, Aard, Paul, Ilse, Mark, Des, Harro

General announcement: Harro's working on a persistent identifier (PID) proposal for the MT and the JIVE CBD/Council, as PIDs have financial consequences as well as obligations that may have an effect on services that JIVE needs to provide or changes to operations that need to be made.

Ilse: All EAS invited speakers have accepted, initial programme formed and 1st announcement out. Third dataset put through pipeline: data has issues but still went through mostly ok: calibrator imaging works, target doesn't. Some more datasets from JunY to do verification run on – try to understand which "bandpass flattening" steps are used, try to replicate in CASA and compare; data with (lots of) RFI requires careful flagging, which impacts amp cal. [Mark: Check VLBA Scientific Memo #37]. Submitted an URSI abstract. Will be continuing work on EVN notebook and bandpass cal and EHT notebook; start preparing for next week's V0 school [Mark: the EVN V0 service can be made available to you to experiment with].

Aard: Investigating slow sfxc: m-nodes have only one bond interface operational, after fix lot better; m+n nodes = -30% performance, n+ nodes = 100% performance. MartinL changing BIOS backup batteries, will continue investigation afterwards. Former summer student Alexander (Sacha) contacted Aard: want to finish paper; KenziN+JasonH now involved too for extra comparison on RM measurement. "nbdime" (git control notebook) released dev version, seems to be compatible with Jupyterlab v3 (the Christmas release that broke everything). Currently thinking about AuthN/AuthZ: token from keycloak AuthN/AuthZ retrieved before container start/resume, but want to use it inside container to access resources – e.g. to forward the token to server-side Jupyterlab extension(s).

Mark: Implemented per-channel clock offsets in sfxc, now elegantly specifiable in control file; involve eBob to enable specification in runjob. CASA PR was merged for the next release! Attended EHT software+data compatibility meeting; ngEHT have funding for ngHOPS (by MIT Haystack); make ASCII dumps of certain cal tables available to JohnB (Haystack) for comparison of future ngHOPS cal algorithm (which needs to be developed; CASA already has it). There will be an EU-VGOS meeting later this week where PolConvert and multi-thread VDIF recording format(s) are on the agenda. Will start work on applying PolConvert sol'n on MeasurementSet. The EVN archive "vo crawler" still grovelling, currently has ~12k records.

Des: RoboZsolt v1 deployed, got feedback, implemented/fixed. Got results from MichaelJ WB fringe fit on real EHT data – looking quite good but needs fine-tuning (this week); may be in time for the next release [Mark: possibly do not rush WB into next release and need to benchmark e.g. speed]. Worked with CASA devs on plotms plotting cal table: several get pkg->detect issue->feedback->repeat loops, 11th

build seems ok (if plotcal goes and plotms has no alternative => stuffed).

eBob: Working on test platform for automatic pySCHED GUI/plot tests: run into issues between notebook + desktop, tied to newest pyQT vsn (older vsn = ok); after turning test into cron-job, does not work (no X11), probably better to migrate to a VM. A runjob problem was reported, fixed and tested. Will start on per-channel clock offset support in runjob.

Paul: The requested webserver fix (jive.[nl|eu] -> www.* and certificate issues) broke more than it fixed; reverted; real fix after migrating to new website + server. BIOS battery issues raised with supplier: "no known issue" (so far); sfxc-m5 node lost IPMI i/f after battery replacement - opened another ticket with supplier, no fix yet. KVM storage expansion arrived (TUM monitoring). Will be configuring LDAP AuthN for services.jive.nl, @ASTRON on Tuesday, preparing for TiFoon conference next week, received invitation to become member of SKA Regional Centre Steering Committee WG.

Harro: Added support for individual options for j2ms2 to collapse (or not) the antenna and/or source table meta data; collapsing sometimes necessary to prevent meta data leakage, not-collapsing req'd for applying primary beam corrections to mpc data sets.