

ZWURM, 10-05-2021 14:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk61)

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

This will likely be a short week, with Ascension day and many taking Fri off as well.

Harro reports developments on the Next Generation Field System as presented by JimL at the TOW last week: focus on lights-out running and remote monitoring/control for wide-band VGOS observations; some steps towards NGFS have been taken through "fesh2" (sync local copies of schedules and DRUDG automatically) and defining tasks in a new infrastructure for running FS tasks automatically.

Ilse: prepared first draft of JJ WP2 final report; talked with JorgeR about outreach; asked DesS if useful input can be extracted from usage code. Asked BjornE re. CASA6 on MacOS: some use on Catalina, no one on BigSur - problems with pip install for some libraries; will try to experiment with that this week. AardK opened up Jupyterhub so can hopefully start exercising notebook this week, but only three-day week.

Aard: brought Jupyterhub online; permission problem was more difficult than expected but seems to be fixed now; eduGAIN access requires (formal) contract with SURFconext [Action HarroV]. Versioned notebooks in archive: have ideas, most likely git based; may require another gitea instance because it has user and group access (for collaborators); proposal to have experiments as repos, user as submodule [MarkK: users won't like it if the whole history of the notebook will be published, something to take care of]. Two more FRB papers coming, one using DSPSR convolving filterbank: interesting, gives high res in t & f; have concerns about statistical independence of measurements, will carefully read paper.

eBob: basic archive webpages now in Python; problem: sometimes include TXT and/or HTML; TXT fine, how to handle HTML? PHP archive used <iframe> but that is deprecated (according to Har). Started working on NorthStar change request proposals. Mailed UweB about FiLa10G other eth port test, answer UweB: next week since busy this week.

Des: between holidays provided usage statistics to give upper levels a toy to play with. Investigating fringe fit behaviour on MinghuiX data. Usage statistics precision: correlator hours within 10hr accumulated over one year. [Q HarroV: how much data is manually fed in?] A: jexp data manual + linking proposal to experiment ID [MarkK: can have copy for VO database?].

Mark: three tickets already on CASA 5.9/6.3 branch; one doesn't need validation; Tsys NaN flagging ticket (origin: DesS) requires person to validate fix, so need to trace originator (DesS claims it wasn't him who ran into the problem). Per-scan interpolation validation revealed issue in other part of CASA (strong SEP field), but was triggered by own #FAIL: provided cal data for only two scans out of

three - then results become unpredictable; supplying good cal tables result in reproducibility. For RadioIG prep meeting ran u,v-plane characterisation on full year of EVN obs, minus test and NMEs; did not observe hoped-for bimodal distribution: e histo relatively featureless, f histo high peak near zero, long/exponential tail; was volunteered to speak about this at radio session in upcoming IVOA interop. MichaelJ: have rPICARD user with LBA data! so now must check/verify Hobart mount-type fix.

Paul: fb2 has five out of six pools, last attempt at reviving pool 4 tomorrow, otherwise insert 6x4TB and call deadpool; frb still/again complaining about some disks, will check tomorrow; desktop working again although had probs signing certs for cl3/cl4 because of BIOS secure boot disabled running the (encrypted) VM set up for this purpose. Have ParseITongue script to process three cal source + one target to compute calibrations to three calibs and interpolate to target working; have to check if improvement on science.

Harro: within geo community interest for file-to-file transfer tool "etransfer", finding rough edges, trying to smooth them.