

ZWURM, 14-09-2020 14:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk27)

Present eBob, Aard, Ilse, Des, Harro

Ilse: Problem report by YunJ; reduce AIPS + image CASA = double flux. Too many datasets mentioned so start investigation by selecting one dataset and compare full AIPS + full CASA flows. Working on N14C3 plots generated by jplotter to compare against archival ones. EAS'21 special session: EVN symposium (DeniseG) not interested in cooperating (fear: too close to each other); checking if BlackHoleCam (CiriacoG) interested in (max) 3x 1.5hr session. Two EHT data analysis review sessions on SgrA* data last week, more coming this week. OlgaB working on ParselTongue flow based on RossB's document, Ilse on CASA based version. CASA workshop platform choices: (Zoom or Teams) and (Mattermost or Discord); will be contacting lecturers this week to make sure prerecordings are available. Attending VanessaM meeting (Sydney) on "future of meetings" platform.

Des: C++ implementation of switch to decide on fringe fit backend done, Python needs to be fixed still. Question from CormacR: future of ParselTongue? ParselTongue is strictly Py2, which is dying/being removed. Will start with docker image to generate Singularity. If that doesn't work need to get other people involved.

Aard: delivered high time resolution data to JasonH/KenzieN: 1/8 us - 4 channels per band (5 point real FFT ;-)). CASA6.1 work: plots/viewer are AppImages -> don't work with Singularity (AppImage mount inside image requires FUSE, which requires root, which Singularity explicitly forbids). Some wrapper code needs to be fixed; found that plotms ipython code to inline images is broken. Log messages are not saved anymore; the "log" button in notebook disappears after saving notebook. Tried docker push on jiveplot image after cloning: just works?! [Harro's setup on same machine doesn't allow docker push]. Suggestion: add ssh key to docker? Bert mentioned crashes - real crashes this time. MPC experiment, reproducible when #-of-slices per integration > 1 (i.e. workaround: no sliced integrations). Hints at issue with sliced integrations.

eBob: in tomorrow's e-VLBI KVAZARs come in after test/clock search; Q: can sfxc do subnetting in e-VLBI mode? A[Aard]: nope, will only correlate one scan. Other option to have multiple jobs, fork e.g. Ef's data to both jobs to do KVAZAR clock search in parallel. Spent time generating catalogs for pySCHED; no diffs compared to SCHED11.6. Developed script to check catalog differences. Benito found pySCHED bug: one warning too much (fixed). NorthStar: working on getting total datarate dependency on observing frequency - finding out how these dependencies work. Q[Harro]: what about LT08 backups? A: no development. Requires higher prio - check with DrBob which is higher: LT08 backups or NorthStar.