ZWURM, 24-08-2020 14:00 (WURM through Zoom because of #COVID19 house quarantaine/wk24)

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

eBob: Fixed reported bugs in log2vex for radioastron; breaking up in n x 2 Gbps will be installed this week. Reported pySCHED "bug" was PEBKAC: user using inappropriate template .key file for their intent. Continue with the tape backup script normalization/ aggregation. Will contact WSRT operators to check for FiLa10G test time.

Aard: Take up merging dedispersion into SFXC trunk. Recent CASA release 5.7/6.1: can now start work to base Jupyterhub image on this. Will do primary beam correction experiment with Zsolt next week, so might end up in production (finally!).

Ilse: Application for EAS2021 special sessions open; contact EVN symposium (no response yet); will be VLBI special session at the very least. SIGSEGV in AOFlagger was bonafide Bug(tm); AndréO provided fix. Aard to install proper on eee-dev, until then use patched version. Spectral line pipeline translation from 2004 AIPS pipeline to CASA: DesS sais: fringefit on single spectral channel might work not tested so keep in touch with Des. Pre-calibration pipeline flowcharts done, now how to streamline those? i.e. which tool, if any, to use for FAIR data? [Comment: CASA pipelines/ notebooks should first be as AIPS like as possible, make changes to use more/better CASA then compare both CASA results (after verification of AIPS-like CASA compares favourably to AIPS of course)]. Listened in on EHT AGN working group; EHT has not disseminated data to PIs yet - checking with MichaelJ to see if this can be improved (using experience from cal. wg). Pinged Iniyan about plans in SouthAfrica (no response yet). Evaluating OneNote (M$ product) vs. EverNote; OneNote disconnected, needed to sign in/ register with two-factor auth for no reason; if persist that's a major NO.

Des: Wrote backupprocessing/parsing script for Paul (finished). Spent time reading up on CASA calibration, now at stage safe to discuss w/ GeorgeM about solution interval problem fix. Wideband fringefit should not replace current version; both should be available behind one FringeJones: add switch to select which one (~two weeks!). Major issue again: devise/do proper testing to verify both.

Paul: services2 is now available; will switch services2 -> services tomorrow (EVN session is looming). eBob/Aard perform mock e-VLBI run (check with operations) to verify fringe plot accessibility from outside. Backup circus is now cleaning up: 83 hosts daily backed up (system backups so quite stable). Tried de-duplication: took looooong time and gained no disk-space (which is weird!). Database server db0 still on 14.04, MariaDB old - need newer DB server: installing db1 with 20.04, will migrate databases one by one. sfxc k-nodes not upgraded yet on account of non-standard config,

hardware, and use (e.g. ftp fringe test server). Broken disk in
fb12. Some sfxc data left on aribox:/data/juc — please check: want
to remove disks.

Mark: Finalizing fallout from casacore changes that break CASA
build/test; tickets+discussions opened on casacore github. AndréO
Array class refactoring has potential large impact; regexp changes
are backwards incompatible. Will prepare some slides for the CDS
radio-into-the-vo meeting of this week; provide spectral line
MeasurementSet: same data correlated in different modes, see how
CDS' ObsCore looks after reading that. Dr Bob reports some issues
with mark4 output data for user experiment: phasecal issues; scans
with no pcal at all for at least one station, T6 pcal > 32 bit
number, Zc used wrong samplerate and DrBob changed both sr and bw
causing overlapping bands — sfxc has to make choice (made wrong
one). Suggested to change only sr. The VEX2 committee has restarted
discussions now that EdH is working on VEX2 parsing + support.