ZWURM, 16-05-2022 13:00 JIVE ZoomRoom#1

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

Plenary part: Congratulations to Ilse, Des and Mark on the nice SgrA* result of last week and the press coverage/exposure! Also, Ilse did a very nice presentation at the NL Radio Astronomy Community Day (NRAAC) held in Dw'loo last Fri. Aim to wrap up R&O cycle before the summer holidays, which means looking at mid- to end June for the R&O meeting; the form will be distributed at most two weeks before (this was an error in the prep meetings where I said four weeks); inform me if you won't be available in this period. The NWO CISO visited last week and MarjoleinV had a chat; impression good, firm but open to pragmatism: goal is to have an inventory of the risks such that they can be managed and acceptable exceptions might be discussed. MarjoleinV gives some background of the KPI discussion between Council and JIVE and efforts so far: they were rejected; different KPIs were discussed in the MT and with ArpadS, those will be presented to the council. If accepted it would mean, amongst others, registering and/or measuring user support requests for science users but also technical requests, which in turn would mean administrative overhead for our group as well as the burden of implementing a system that supports this with as low overhead as our group can muster.

Des: Word from MichaelJ that combining polarizations works, improves SNR on VLBA data; ticket now offered to NRAO for validation. The u,v-range ticket is waiting for feedback from IlsevB. Have been working on controlDBBC to "implement BertH's wishes if his wishes were those of MarjoleinV".

Aard: Sr primary beam not good fit with Gaussian, get 16' FWHM (=42m effective diam), cannot verify how good this is, beam measured on CasA, now checking with GabrieleS before enabling in production pipeline (especially since exp needing it has "weak sources" in the title). Zolochiv data conversion: inspected raw NADR data, did not notice top-hat bandpass so unrealistic bandpass likely effect of conversion. Trying to get privacy policy and technical+operational measures onto Jupyterhub, which isn't easy; may need to run webserver on it as well.

BobE: pySCHED edits used by group (wrapzones) by BobC published as new release; BenitoM: should run NME with pySCHED VEX output to see which station(s) #FAIL as they rely on comment [there is a backwards compat flag in pySCHED but it's necessary to move forward and fix those stations]. Sunwarnings: hope was to have small local changes but SCHED's FORTRAN code opens file as LOGICAL UNIT and reads/writes often, cannot easily get file descriptor out of LU so need to rewrite all routines using the LU to Python: more work than anticipated, not more difficult.

Mark: e-VLBI w/ MPC: worked great except fringe- and weightplots and progress window despite tests. Hypothesis: started in gap, scripts keep on monitoring old files. Tried hotfix, manual effort; also

automatic scp hung (called as different user), had to manually kill every 10min or so. Will fix known issues and test again locally. ESCAPE WP3 mtng: gitlab docker functionality switched off so cannot build docker images under certain circumstances; discussion: have environments as separate OSSR entries besides s/w? e.g. JIVE offers env: CASA bundled w/ Jupyter kernel; in any case need to submit final s/w to OSSR between now and end of Sept. Ro data discussion: two datastreams i.e. requires VEX2, need to teach support group to do this by themselves. Need to make sure that manual edits (e.g. clocks) from VEX1.5 get transplanted to VEX2 correctly. May get access to complex data, wait w/ request until current data correlates. EHT2017 L1 data now fully public.

Ilse: u,v-range testing: understanding what is happening, but is not necessarily what user expects; need to check if parameter does what it should do and write up an explanatory note for the user if needed. INAF data: order of SPWs different (from VEX file, not by freq): AIPS sorts after import, CASA doesn't; fringe fit prob: missing calibration data, will try to reproduce locally before investigating. Last week EHT press event + party + NRAAC presentation. This week: CASA VLBI paper, u,v-range testin', Berlin CASA parallelization meeting, try to poke SKA-VLBI simulation wg.

Paul: Apr e-VLBI: SURF reports pkt loss on link from Dw'loo, traced to ALTA-SARA conn, where big xfer was started just before e-VLBI; JulianK replaced 100Gbps optic - seemed to have solved prob, but also not large ALTA xfer. Last week: again loss reported on link - turns out local 40Gbps optic broken and switch forwards broken packet (starts to put octets on the destination line after ethernet header seen, by end of packet prob? need to signal error but pkt already in-flight). fb18 (aka PetaBuff): attempt install several times cannot boot yet; coming issue: rackmounting: server extends far backwards cannot go behind cabinets, will investigate mounting it more forward in cabinet, but only if drawer-with-disks can be safely opened. Trantor had broken HDD, checksum error on same HDD as last month, schedule replacement. New version of backupscript (c/o DesS) add extra test if off-site backup server is actually there. EVN Symposium abstract accepted for oral presentation.