ZWURM, 07-12-2020 14:00 (ZWURM through Zoom because of #COVID19 house quarantaine/wk39)

Present eBob, Aard, Des, Paul, Mark (partial), Harro

Ilse and Mark are engaged in the (closed) EHT project meeting. Mark leaves after having contributed to the ZWURM.

Mark: Per scan interpolation seems to work; MichaelJ tested immediately, ran into other, generic, fringefitter problem (crash) — will be delegated to Des. Spent time fighting MacOSX to get Py3 ParselTongue to work; targeting release January 2021. Attended EHT software group meeting; someone's working on a Julia interface to difmap; a Python interface is also underway. ESCAPE WP3 telecon about metadata: switch to using codemeta.json and change into what is needed for Zenodo and incorporate WP5 extensions as necessary. sfxc regression test framework broken (didn't receive mails for ~two weeks): another sfxc-c node died, MPI process hangs, cron starts new job every day, cron didn't work anymore; after removing broken node from nodeset and restart of cron back to operational. Q[Aard] re Jupyterhub server: advise re dual socket fewer cores/CPU or single socket many core CPU since base frequency different, boost frequency identical. A[Mark]: several cores can reach boost freq at same time so if not overloaded same speed, single socket CPU cheaper so mobo also cheaper, memory bandwidth of single socket CPU w/ 2x number of cores also twice as high so no issue there; select single socket machine.

Des: Solution to the problem risen during CASA workshop implemented and now in testing, will be mailing GeorgeM about this very soon; revisiting old tickets, closing or removing duplicates; CASA release postponed to at least end of year, possibly early next year. Attending parallel Python course from the NL e-Science center. Will have a meeting with Zsolt about PaperDatabase — PacoC seems to think the script actually works. Will take part in Jupyter-notebook versioning later this week.

Paul: All certificates updated except gitea, will be decommissioned (check who still has data on there and switch off after migrating). Gitea lacks intermediate visibility between private and public projects — need access at institute level w/o transferring ownership, Des will look into modifying gitea code base. Will be @ASTRON Wed to work on VO and VM cluster server installs and ASTRON network reorganization meeting. sfxc-c3 node Infiniband broke (not the first node to have this), taken offline. Spending time answering SKA questions re SaDT. Had a meeting with AlexanderN about (EVN) monitoring system. On migration of databases to db1.jive.eu — small ones OK but most big databases are interconnected/dependent so is more like database d-day; plan: bring testdb up-to-date, migrate, check if works, after that migrate in one go — check with operations when is appropriate. WhiteRabbit equipment returned by ASTRON but Paul's lab has been cluttered with junk so cannot reach 19" rack; needs to run tests for PhD.

Aard: Jupyterplugin suddenly broken, javascript dependency hell: two packages depend on same 3rd package, one specifies ":latest" other ":<specific version>" -> javascript resolves this by including both -> #FAIL, fixed by modifying config file and requiring same dependency for both packages. Plotcal implementation progressing but (surprise surprise ...) making a "generic" plotting program is difficult. Q[for Des]: where are the rates located in the cal tables? [Des:] FPARM has eight entries per row = two polarizations x four parameters, rate is fourth, this is not officially documented anywhere but maybe could or should be.

eBob: working on multi-mode support in ANTAB editor, basics done, now checking with support scientists. After that moving onward with NorthStar edits.