

ZWURM, 10-01-2022 14:00 ZWURM (COVID-19 wk96)

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

Plenary announcements: Happy New Year to all, sadly the circumstances are still such that these wishes cannot be expressed in person.

Paul: Worked on SKA and THEZA papers, both submitted. Surprised by a security audit (pentest), got three-page vulnerability report on jupyter.jive.eu - this test was done without anyone being informed; jupyter.jive.eu is not running Jupyterhub anymore so vulnerability was already fixed between finding and disseminating the report; political issues re. security audits need to be addressed. Network I/F issues (40 Gbps equip) means that only one of the 100 Gbps links ASTRON <-> JIVE operational; testing with 40 Gbps -> 4 x 10 Gbps breakout = Zabbix again totally confused. SNMP graphs for microblade switches, f/w issue workaround: get data but cannot log in anymore; did reboot: login ok, but no SNMP graphs anymore. New archive server chassis arrived, need to set up migration taskforce, include staff from support group (discuss @next vlcoffee [(BenitoM, BobC, ZsoltP?) and tech ops (MarkK, DesS, BobE, PaulB, MarjoleinV). Received 30x 18 TB HDDs for "fb90" from Onsala. Synchronizing Mark6 systems: different jive5ab versions (3.0.0-rel, 3.1.0-dev), one Mark6 still has primordial O/S (can all be synchronised to same modern O/S + one working jive5ab >= 3.0.0).

Des: Developed a "controlDBBC" application, waiting for opportunity to test (next week's e-VLBI, for instance). Spending time on Fourier theory for fringe fit.

Aard: Regarding jupyter.jive.eu security report: is old jupytercasa demo install, WybB set up firewall rules to allow outgoing only to NRAO for d/l demo data sets and machine is now running BinderHub and not jupytercasa anymore. Work on the app for submitting notebook to the archive version control continued.

BobE: New version of ANTABeditor: multiple setups / band; Suma reports error, find new version of matplotlib; turns out BenitoM upgraded conda which drew in new matplotlib; working on fix found that matplotlib icon handling now also adds "\_large" to filename of user supplied icons, filed bug report, should be fixed in next matplotlib, implemented workaround until then. NorthStar e-Merlin justification signed off by BobC, ZsoltP, re-initiated discussions about old ToO edit between ZsoltP, BobC.

Mark: sfxc-gui multiple phase center support in e-VLBI addressed, should be ok, local test before next week's e-VLBI. Worked on CASA VLBI paper and reviewed some EHT papers. V0 service: FITS crawler updated to cache at V0 dataset level so can easily rerun, indexed 2021, so V0 catalog now up to date; filled in V0 RoR request \*again\* but now got email address that's monitored by a person and a JIVE IVORN is now assigned, although based on "JIV ERIC"; request for edit based on JIVE sent. EHT Data Mgmt WG telecon: bootstrapping WG,

have charter, looking to invite people. RadioIG meeting on pulsar data in V0 tomorrow.

Ilse: AIPS/CASA comparison: used archive Tsys file (AIPS CL2 table), it has corrections for KVAZAR stations, diff now  $\leq 10\%$ ; raises questions "what do supp sci do to make this?" and "why does CASA work out of the box?". Preparing presentation for SKA VLBI mtng, hope to pick up spectral line notebook again, have ngETH SWG later this week.

Marjolein: Had some time to work on jive5ab, m5copy and e-transfer, addressing some user reported issues (see githubs).