WURM, 26-09-2022 13:00 ZWURM (Hooghoudt room)

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

General reminder: JIVE GM tomorrow. [Attendees: haven't seen agenda/minutes yet.] Discussion on timelines and possible routes to bring points to the attention of the MT ("via local MT member") and MT meeting schedule (Marjolein: rate is picking up but not often enough). Marjolein will take the following points to the next MT meeting: request GM agenda + minutes distributed week before, MT agenda shared ~two days in advance good enough.

Ilse: Last week fully spent on ERIS and NOVA ISC between the breaks. Fall-out of ERIS: request for HOWTO install Juphub on own system to run notebook(s) locally; feature request: d/l all materials with one button push; plotms grid plot shows only top-left [Aard: both features seem very feasible] This week: reports for NOVA ISC, AEON checkup (meeting later this week). ASP: invited to review a paper. NWO-groot AMT proposal: HeinoF n/a, need to rewrite rebuttal w/ HuibvL < two weeks. Sunday open day: help set up interferometer for Des, Mas, Shivani.

Des: brushing up cgi schedule access; done in Flask: investigating how to run > 1 Flask app on same server: not successful yet (need wsgi to work, which is non-trivial). Closure phases: old script from @MarjoleinV: several probs, not the least runtime (> few hours) then produces 2000 page pdf; managed to plot phase vs time in CNGI w/ Dask, which is Really Fast TM; will try to get closure phase plot by this week using this system. Asked NRAO about wide band fringe fit: need help? Probably need to ask someone else than MichaelJ for verification.

Aard: spent lot of time on supporting ERIS; conclusion: VMs not portable solution at all; Vagrant files lot better. Jupyterhub crashed under ERIS student load: single user tutorial is ~15 min, @15 concurrent users takes >> 15 times longer; will start manual processing to investigate [PaulB: AMD EPYC cpu's use hyperthreading?] [MarjoleinV: observed scheduling I/O on the "hypyterthread" cores severely degrades performance on flexbuffs long time ago] Will investigate and retry with those switched off. Sad thing: Jup hub/lab parallel development not synchronized: lab computes everything but hub requires client (=webbrowser) involvement to refresh so after logout+disconnect, then login will not show updated cell content if processing finished in the mean time; will try Jup lab collaborative mode: meant for joint work on notebook, may be sol'n to this caveat, but is experimental feature.

Bob: helped Wybren to diagnose irregular ssh connect issue; have hypothesis! ssh has limit of pending unauthorized connections (default: 10), if more, starts dropping ~30% of connections until below limit. Due to bug in Ubuntu ssh warning didn't show up in logs; fb18 has newer (fixed) ssh: see warning around time of #FAIL => strong candidate. Archive web site: data download page done, now working on plots pages.

Paul: attended ERIS, very useful, provided support to some users
(someone deleted /usr/lib/python.so => system fubar); received new
laptop during day#1, got it ready w/ CASA and all before start
day#2. Broken disk in fb9: after resilver kicked out of pool within
an hour, now replacing. map.jive.eu fixed after time reset + sync to
time[01]; other systems still referring to cl[01] also fixed.

AOB:
[MarjoleinV] A Mark6 should be incoming from Kunming for expanding
the storage pool @JIVE. Will install as flexbuff: 1) need to make
sure disks not removed and 2) 6 x 6 ZFS pools not possible,
investigate options for zfs pool setup.