

WURM, 15-04-2024 13:00 WURM Marjo's office

Present Aard, Des, Wybren, Bob, Marjolein

Plenary part: JIVE General Meeting tomorrow

Wybren: during e-VLBI last week tests re pkt loss: no probs observed on machines classified as "good" (unsurprisingly, red.) but also not on machine whose NIC was changed (extra hint towards NIC problem). UDP testing w/ iperf: getting erratic results - 1st time some loss and with reruns all ok. Investigated running process/IRQs on same or different die: difficult to enforce or recover, but from IRQ counts can tell coalescing /is/ already happening, approx. 64 pkts. Grafana on dop288/old.evlbi.org: fortunately uses db0, being migrated to own VM. Mattermost notifications were broken: traced to change from http=>https in MM test server (!) = advised to not use for production, no guarantees it will work/be kept up-to-date; options are: paid MM or self host, and then arrange w/ Google+Apple (ouch).

Bob: during e-VLBI last week: no fringe at start of test root cause bad source scheduled, confusion cost quite a bit of time lost, but was able to test ccsbeta (=ok), correlator was able to keep up Just Fine (expected for 1 Gbps exp). Worked on leave overview web app. Q from IoannaK "how can I set the colour" (never filled in a leave request, apparently ...); find cookie-sharing issue between leave overview, JIVE webapp, and 0365 webmail. Started w/ Keycloak demo.

Des: involved in magnets VLBI demo w/ schoolkids visit ("Ends of a baseline" project), succes and tool now works as expected; educational value for (school)kids is different question. Alt weighting scheme: code still crashing, need to fix that first. Also looking at Q from RichardD on dispersive wide-band fringe fit. Work on a preliminary implementation of a caltable in ngCASA environment.

Aard: e-VLBI 2x ago (corr slowing down using ccsbeta w/ Py3): investigated hypothesis that dechannelising speed is function of channel disordering (wrote test script): no real impact on performance measured! JunY generated 8-bit data, now nicely gaussian w/ ~5 sigma headroom (TMS say 4 as min) so seems ok; hopefully next week w/ other station; [Q Des/Marjo: don't you need > 1 sta @8 bps?] A: if you have 8 bps and 2 bps data for the same telescope can compare the 2- and 8-bit baselines to see impact. Coherent dedispersion merge: found subtle windowing problems (fixed), next is testing coherent dedispersion, and after that output of filterbank format before calling it done.

NOB.