

WURM, 06-10-2025 14:30 CEST Strategy hybrid zoom/Marjo's office
Present: Aard, Mark, Des, Bob, Paul, Wybren (remote), Marjolein

Plenary: Marjo will be travelling large parts of Oct + Nov, i.e. of anything needs to be signed or organised, there could be delays.

#1074: tape library

New quote from Quantum (LT010). Hopefully will be on CBD agenda.

#1080: new normalisation scheme (Gabor0)

Aard: discussed @VLOPS last week; two new supp.sci started = not good problem for starters => transfer to Jungwan0.

Mark: data is available but needs in-depth comparison (ZsoltP volunteered), maybe BenitoM/Jungwan0 final check?

#1081: alt weighting scheme in fringe fit

no activity

Des: new SNR computation in CASA to make sensible result – starting to doubt if LSQ is best/correct method – AIPS uses Newton, we opted for Levenberg–Marquardt. Given that fringe fit memory use is a) a CASA6 ticket to address b) CASA6 will be around for qst yet and c) Newton's feasible + uses much less memory = probably change to using that too.

Mark: be aware of rewriting again – better implement something, hand over to supp.sci to experiment with and move on.

#1102: centralized identity

Bob: reading up on gitlab/mattermost connection (our keycloak will masquerade as 'gitlab'), new mattermost users from keycloak = other ID, how to fix?

@Wybren: can have Mattermost test server up again?

#1118: archive script

One sub-ticket open: DOI rollout

Bob: announced on Mattermost during JVS school only, people way too busy; will bring up at VLOPS tomorrow.

#1204: db situation

Wybren: db0=>db1 migration: need to find a proper window allowing for downtime.

First check permissions between db0/db1, binlog settings; will probably require password reset; check w/ users about possible problems foreseen, then go ahead and do it.

#1212 Update HOPS fringe fit doc

Des: can't find how to put onto RADIOBLOCKS

[Mark/Marjo: can upload anything yourself, then ask RADIOBLOCKS to add to community]

#1213: Interferometry outreach enhancement

To be handed over to new supp.sci; discuss @VLOPS

#1226: Test cluster to sfxc-[ij] nodes
Mostly done; oldest nodes still running – will be shut down at end of week (post SFXC Workshop participant leniency)

#1232: Set up machine for running LLMs
Wybren: still on todo-list to try ML training

#1236: Batch processing of correlator jobs
Mark: SLURMification of regression tests mostly done; probably will request @Wybren/@Paul to roll out SLURM across production cluster and fb's. If prod jobs SLURM-fähig, integrate w/ runjob?
Wybren: want to add accounting in SLURM.

#1327: Next-gen GPU corr
AOB on order details

#1330 JIVE vs Geodesy
Action Des: create subticket for correlation of VGOS data on file (including VEX file + where the raw data is)

#1333: j2ms2 to create CASA-swallowed MSs?
Created FLAG_CATEGORY subticket (one obvious difference)
Mark: compare raw j2ms2 MS with roundtripped tConvert + importfitsidi version to spot the (main) diffs?

#1340: SWEEPS
Needed: 1) accounts, 2) gluster, 3) prepare test cluster (sfxc-[ij])
@2: 8 x 8 TB spares that can be used for gluster tests
@3: Wybren: Apptainer installed, check OpenMPI config w/ Mark
@1: Paul: ask ssh pub keys, make LDAP groups, homedirs in gluster

AOB:

GPU Server config:
[after some discussion] Fill in w/ memory (1st prio), anything left: more or larger U.2 NVMEs

j2ms2 MS into CASA?
Des: quick compare showed two obvious diffs
– flagging
– station names in MS two pieces "station name" and "antenna name"
Mark: actual usage of these names is: 'station name' is the pad where the physical antenna is located, 'antenna name' is, well, the physical antenna.

And you must also change J2000 into ICRS
Marjo: also found an issue with the "reference time" (not initialised), which causes some of FITS-IDI subtable TIMEstamp columns to have the wrong time stamp (should be days-since-0hUT-at-day-of-observation).