

WURM, 27-05-2024 13:00 CEST WURMng Marjolein's office

Present Des, Aard, Paul, Bob, Marjolein

No pressing plenary points to mention.

Paul: trantor2 situation: backups now going to it and parts required for installation in Westerbork were received. Old trantor reported > 90% disk usage, resulting in scrubs taking ~a whole week; root cause: approx 1000 old snapshots. Another one of marcopolo's HDDs #FAILED. Problems getting ICT tickets serviced; currently in WAIT state on 2x10Gbps link between JIVE basement and ASTRON, mailman winmail.dat. Also in WAIT state on WhiteRabbit paper co-authors. Received new eee quote. Lost access to Google account that holds/manages google analytics key and the key has to be refreshed. [Need to discuss who uses ga and if we _want_ to keep using it]

Bob: mattermost <-> Keycloak "posing as GitLab" config = not so simple; need 3 API points and CERN has fork of MM; we could use that but that would introduce a dependency. e-VLBI 2wk ago w/ ccsbeta ran successful, tried to reproduce sfxc problem (channel extractor not built first time using ccsbeta) [topic for AOB discussion]. DBBC3 test w/ Onsala; equipment made available whole week: got 200 Mbps on day 1 w/ two spikes of 3.7 Gbps, day2 after reboot of flexbuff = 4 Gbps no loss; similar setup as in Yebes; PaulB helped consulting w/ network setup through switch.

Aard: fixed very old macro's in sfxc allowing in/throwing exceptions destructors. Jupytercasa bump to 6.3.3: problem w/ Py3.8 pkg; upgraded jupyterlab; CASA tasks now mostly AppImages, implying the actual tasks need to be extracted from those; find that plotms and viewer are kapot. Allegedly GinoT provided DBBC3 8-bit f/w w/ better bandpass, expect data; converted 8-bit to 2-bit data: saw no difference in own tools, need to go to CASA to find diffs. RADIOBLOCKS: GPU model implementation Akima splines need to be changed: single precision + lower order; looking at 1/8 or 1/16th second 1st order.

Des: PolConvert status: src apparent position in AIPS is on DATEOBS, CASA has no apparent coords so did own rotation in casacore framework (works), now finalising bookkeeping. BenitoM reports prob w/ feedback if exp not in db (feedback does not pick it up), make submission independent of db

AOB:

Tests w/ ccsbeta (other O/S than ccs) inconclusive; sometimes sfxc slows down, already two different cases: very fast crash (current root cause hypothesis: sfxc using slow dechanneliser), other is when it starts slowly lagging and might run out of memory after minutes. Role of "ccs" computer in running correlation explained, discussed various tests that we could do to see how a different O/S on ccs can trigger slowing down of sfxc (channel order in control file is only visible diff at this point but specific tests have indicated that sfxc speed is independent of this). Other hypothesis: sfxc_gui

monitors log file and prints in X11 window; Aard will investigate if that reading / updating X11 could be made asynchronous.