WURM, 13-03-2023 13:00 WURM (Library meeting room)

Present Bob, Paul, Aard, Wybren, Des, Mark, Ilse, Aga, Marjolein

Plenary announcements/discussion:
- Submission of the ACME proposal to the INFRASERV CfP is confirmed,
SpaceSciRI: didn't hear anything, but expect this to have been
submitted as well.
- the RADIOBLOCKS kickoff will be in ~two weeks time, affecting four
(5) of our group.
- Bob & Marjolein (and Aga) will attend an ORP meeting in Berlin
this week Wed; Tue/Thu travel

Paul: provisioned VMs sandbox and nottermost for Des, Aard; cleaning
tape: ongoing, running into some new financial system woes. ICT
network upgrade: very little downtime this time, few more coming.
EVN symposium paper accepted after reviews. Have a detection in
data! Attended Zabbix meeting: best choice costs money; some of our
probs may already have been solved but under NDA with other, paying,
customers. Visited JeroenK@VU for WR work/paper writing.

Wyb: fb18 mountpoints holding copy of fb7 data: ended up in back
(name not in exclude list): had to delete backup snapshots, deleted
one too many so now sync to off-site broken; will be fixed after
next backup. Whilst fixing backup issues updated Ansible "burp"
role, fixing some issues. sfxc-l nodes now are on Deb11. Ansible can
now use Zabbix API - create host in Ansible, push to Zabbix for
monitoring; IPMI monitoring rolled out, note that in test env high
load already with small number of hosts to monitor; fb18 readout
works but gives value of other component that is of less interest,
looking into that; want to add readout of sfxc crates/blades/
switches. Found that Debian issues disk scrubs too: look similar in
log but are ext[234] so pretty useless -> disabled those.

At this point Aga joins the meeting, wanting to get to know the
group. Marjolein proposes a round of introductions of everyone and
then proceed as usual.

Aard: N23L1 parallel DBBC3 data from On, Ef; both wrong in different
ways; On: weight 1/2 => recording only half data rate, managed to
fix by end of exp; observe lower amplitude on fringes and phase cal
tones [Mark: this was just 2s of data for each scan - need to get
all data for a a few scans; this is not included in automatic
transfer]. sfxc-l nodes on Deb11: works for correlation, Py runjob
forthcoming. RADIOBLOCKS WP4 pre-kickoff meeting mostly about
introducing the WP, arranging administrative bits; signed up for
online NVIDIA conference next week. Setting up Keycloak for Des ->
connect w/ Mattermost -> silent #FAIL; switch of SSL (used self-
signed cert): works; getting host w/ actual cert; creating
Mattermost docker: lot of work but now seems to work.

Des: working on Mattermost progressing. PolConvert c++ code: large
blob of someone else's code to wade through. SumaM reappeared: got
copy of unnormalised data for testing weighted fringefit, got

request-for-abstract for CASA VLBI school lecture in return; BenitoM reported problem in callib, under investigation. Got RADIOBLOCKS WP5 task lead (sizeof(taskgroup)==1).

Bob: numpy issue: found edit that makes element size now a dimension, and code that strips dimension — opened bug report, only project lead reacted so far; inspected diff & found relevant part where last dim is stripped and where the inverse is happening: made local version with reverted commit, limited test case works but pySCHED compile #FAIL, possibly b/c using different base; will retry on tagged vsn. DAT to LTO8 progress report by Bert: ~20 tapes done, 4-5 have prob w/ last recording on tape; no error checking back then and use assumed tape size, i.e. if not fit then fail silently. BobC: NorthStar invitation mail prob? Likely sync issue between PI and invitee. Travelling to ORP meeting in Berlin this week.

Mark: casacore VLBA edits accepted, pkgs out for testing by MichaelJ; more ticket pushing done to get them into next CASA release. RADIOBLOCKS WP4 post pre-kickoff thoughts: what simplifications avail for building blocks to do run of the mill EVN correlations — Aard & YT should discuss locally. Submitted Bologna meeting abstract. ESCAPE OSSR paper published (but peer review happens afterwards). VO publishing results: still munching through JackR observations.

Ilse: rPICARD vs Notebooks difference not effect of correlation dependent flagging; whilst not huge diff, needs to understand origin. JackR also wrote pipeline and BenitoM also; ongoing issue on how to proceed. NRAO science panel mtng this week, 3x EHT mtng, NOVA ISC mtng, and NAEIC. Email exploder research findings (1) very difficult to find, (2) signing up even worse; should at least be on own website.