WURM, 03-02-2025 13:00 CET WURMng Library meeting room

Present: Paul, Wybren, Bob, Aard, Mark, Des, Marjolein

MT meeting tomorrow, so send in items if needed.

Wybren: database migration db0=>db-1-but-then-new-0 (or so) onging.
Mounted HDDs in sfxc-i nodes, not enough 4TB disks for -j nodes;
after enough data moved can move HDDs to -j nodes. Preparing a new
Ansible VM. Enabling monitoring on cl[23]: repeated warnings about
one (1) file that needs healing, suspicious: looks like file does
not exist, will discuss w/ Paul before disabling/ignoring; auto-
discovery sadly doesn't work. New "northstar-ng" VM in preparation.

Bob: working on pySCHED catalog updates for Session I/2025, merge
ongoing w/ some build problems — seems related to local conda
install. MartinL moving data into fb19 ("pre-loading"): updated
vex2db to support > 1 exp on cmd line. Re new "northstar-ng" VM: db
will remain self-hosted, old Java can't talk to new db engine(s).
Revisited Observatory Control System — expected to give talk last
week but due to mail delivery issues announcement to LCO staff did
not happen: postponed into early March.

Des: Northstar view succesfully federated into db0. Working on
PapersDB: one query suddenly slow: fixed; will put into (parallel)
production tomorrow. An "almost" machine readable vsn of the block
schedule already exists: following that one up — other meta data
sourced from other sources anyway; working w/ BenitoM on this, run
by EVN Scheduler if a prototype is available. CASA fringefit SPW
slicing/dicing: needs to get into next vsn of CASA; EHT scientists
have signed off, now need to define tests in CASA6.

Aard: axis flipping in SFXC (reported by Ventspils colleagues):
installed newer vsn of j2ms2, problem gone (were using ~2018 vsn).
Wrote input for RADIOBLOCKS D4.4; JohnR's GPU filter: now does reals
(yay) but only fp16 (less jay) but sais can make fp32 avail [MarkK:
could do kernel in fp16] A: Yes; would allow direct comparison. SFXC
paper: will be accepted after minor revision. Finding out several
broken/usability issues w/ JupyterHub: exps missing from notebook db
and VO-query a bit broken, and some plugin GUI issues; this Thu will
have online presentation at ACME workshop.

Mark: after finding out jplotter documentation not 100% correct was
able to demonstrate that BeamWaveGuide corrections in CASA work:
approved PR but need to check with TammoJD before merge. Had VLBI
coord mtng last week; NRAO access not yet working for me (ok for
Des); new CASA project lead: UrvashiR working on other topic(s) — if
invited to VLBI coord mtng will let @Marjo know to get acquainted;
casacore: tests for FITS-IDI written, almost ready to submit. EHT
tiger team formed: current PolConvert usage method results in some
ALMA data issues, looking into other options and YT asked to share
insights. Had several RADIOBLOCKS meetings; planning meeting mostly
w/ ASTRON (IlseB, AndreG) looking for overlap; D4.4 text needs to be
submitted this week. ParselTongue script to generate ampcal

statistics created, hand-over to Sup.Sci imminent.

Paul: requested access to proposal from db0, Q: working? [A: yes].
Discussion on EEE2 install w/ BenitoM/JungwanO [difference between
casacore and CASA explained and why both need to be on the machine,
but casacore not as package, want controlled environment for j2ms2/
tConvert/jplotter]; use ticket #824 for collecting EEE2
requirements. Created ICT ticket for connection fb's to DAS6 [MarkK:
checked w/ Steven vdV? May submit/have submitted similar ticket] A:
ICT will merge, or not. h/w donated to 3fm serious request still not
collected.

Marjolein: j2ms2 did not compile out of the box on new(er) O/S e.g.
Ubuntu 24.04 LTS, now it does (on experimental branch) [Q: will be
merged?] A: Yes, after at least minimal regression testing (not yet
done).

AOB:

[MarkK: Currently evn-vo has my personal mail address as registered
mail address, can has change, e.g. automatic forward?]
[A: get a delegated mailbox from ICT with you as priviliged reader:
mgmt of who can access that mailbox then is outside of personal mail
accounts, and mail not stored in personal account]