Present Bob, Aard, Wybren, Des, Paul, Ilse, Mark, Marjolein
Plenary: Marjolein mentions that none of the INFRASERV astronomy
proposals (ACME, SpaceSciRI) have been selected for funding; ACME
remains on the reserve list in case one of the funded ones fails to
materialize or the EC finds more money. GiovanniL has been
successful, got two proposals funded, OSCARS (cascading funding to
work on small EOSC work: 100-250k€, 12-24 months) and EVERSE
(virtual software institute). Participants in the ESCAPE Open
Collaboration (such as JIVE) are expected to put in 1-2 proposals to
the cascading grant OSCARS, and suggest review panel members w/o
conflict of interest. Marjolein invites everyone to think of EOSC-
related small bits of work. [Mark: the M2O maser database might be a
good candidate for addition into the virtual observatory]
[Marjolein: maybe have someone grind over the EVN Archive and image/
calibrate all public data] [Mark: MichaelJ has a student working on
a subject like this]

Ilse: wrapping up documentation and administration of CASA workshop;
it's nearly done. Spent time on the NAEIC workclimate survey (for
RvdA). NWO wants to perform an employee survey as well; need to
coordinate; invited to NWO strategy day in Dec ("tafel van de
astronomie"). Invited to review EHT paper from Spanish PhD, being
imaging expert (initially: ??, but paper has lot overlap with
dynamical imaging topic from RADIOBLOCKS). Gave summer student
lecture. RADIOBLOCKS task meeting: JackR and MichaelJ underway to
comparing pipelines with standard data set - asked them to keep us
posted; sharepoint config: it's a hurdle, but now somewhat
understood for e.g. external users and workable but it remains weird
(no permission on intermediate directory => strange access path
necessary).

Aard: working on delay compensation on GPU: VLBI requires double
precision but is 20x slower than single prec; inspecting to see if
possible to use two single prec instead, have developed code, now
waiting for a week to get time on the shared system. JackR's big
MPC: provided help and have updated some docs, script to write
correlator config files could do with some improv. SFXC phased array
mode: now have mathematical description of impact of using x-corrs
only, paper ready for final internal review.

Bob: MySQL v10 testing fun! stored procedure for union of per-scan
and flexbuff transfers: generates temp tables with keys of length
~4096 bytes, but max key len in v10 is 3072: take some info out of
key to make smaller, now test a bit slower; production: MUCH slower
- procedure with arg = slow, if put in literal exp code = fast:
revert to doing invdividual queries and join in Python (so now is
faster); this code is now in production and is the most "creative"
use of db, so think we're ready to switch over. Continued archive2
code pruning, and separation of utilities and website, can has
Zabbix size warn if home partition getting too big? Received two
pySCHED install support requests: MacOS and Windows; [discussion:
support Windows native build? result: no not really; advise to try

WSL; that is something we could support, but not native Windows].

Mark: [echoes ZsoltP question: where is EVN Calculator?] [Marjo: needs to be migrated to services.jive.eu because it requires shell access for maintenance, cannot have that on new webserver]. Create new CASA vsn for MichaelJ to allow reading old VLBA data, found that old branches don't work with new build system -> created new branch: there is a new CASA release based on the new build system. Efficient data extractor: tested on newer AMD arch, now fast (any AMD arch newer than Milano; up to Rome is slow); working on mechanism to send decoded data to correlator node efficient/fast.

Wybren: sfxc-l node w/ Deb12 & Py3 done [Aard: sfxc compiles, albeit 25% slower, need to check actual runtime speed]. FlexBuff Ansible playbook pruning: taking out old O/S related actions [Mark: can we upgrade casadev this week?] [A: yes]. Tried optimizations to make Zabbix go faster: indeed no more disk I/O now but graphing "last two days" still (very) slow. Autodiscovery+registration is simple but want IPMI monitoring automatically added, but that does not seem to work. Had two disk #FAIL in same pool but fortunately not bad enough to cause loss. The KVN disks have been mounted in fb18/PetaBuff and put into production; we now have six spares (or an extra pool and no spares). The backup server is getting full again, culprit is FRB / home — plz clean up [Paul: want to sanitize/check backups to verify we back up at least everything that is needed, and throw out backing up data]. Will create VM w/ Deb12; upgraded db0, and looking into Zabbix course -> need to call/mail to see if can skip mandatory zabbix101 ("creating a server").

Paul: was at EAS last week; noticed 10 Gbps to ASTRON completely filled, copy from Mk6 to FlexBuff used external FB address so traffic took detour. Installed some Perl mods on archive2 for BobE, documented this. There will be planned outages early and late Sep, and possibly even more whilst I'm away in the US of A: let's do trial run this week. Plan content/questions for Zabbix consultancy purchase. EVN proposal on WX UMa approved.

Des: DOIs — checked metadata, is now better and also easily modified; for now visible only inside. Report that VEX1.5 output broken by VEX2 mod, now fixed. Dask experimentation: using xarr from CNGI, it's not pleasant but now have dask on top; reading up on dask tutorials — put an algorithm, FFT on single baseline, in dask; working and is FAST; multi-band delay will be difficult b/c cannot guarantee shape of each participating SB is same [Mark: will have to pad]. EHT imaging: tested on a known non-point source and out comes not-a-point-source. SYMBA simulations: didn't work anymore; Singularity recipe for v2, but that is unavail for a long time, so need to update to v3 (which was interesting; uses go and go doesn't like symlinks). Schedule-extraction webtool db access now uses Flask.

AOB:
[BobE: MartinL webpages on disk info &etc.?] [Marjolein: thought these were already moved to services? If not: have to make it so]