

WURM, 27-06-2022 13:00 WURM Supp.sci. office

Present BobE, Ilse, Aard, Paul, Des, Wybren, Marjolein

Plenary: this week or next will be Active Bystander Training. For ASTRON employees mandatory, JIVE did not make such statement but from our group I would like to strongly suggest attending: ABT is useful in any situation where you might have walked away from "should I have said something?" and also discusses when NOT to act.

Wybren: sfxc-k nodes almost ready, moving towards preparing VM for head+tail. [Wybren leaves by 13:15]

Des: MichaelJ reports that polarization combination does not work if station has single-pol data; under investigation. Landing page site visible internally only (by design) - up for internal discussion. Req from Paul to modify certificate/site check mail text to avoid spam filter link rewriting/mangling.

Ilse: EHT mtng Granada (~100pax); after return spent time on ombudspanel issues. Got CASA VLBI paper referee report - only minor comments, should be doable this week. Starting up AEON science; have summer student lecture next week on black holes/EHT.

Paul: FS optics should be "back" - story ends on (yet another twist): expected "begin of June"; but FS not manufacturer, org manufacturer apparently said to FS: these are out of warranty! so now we got new ones from FS. sfxc-[ijl]: now that we have optics, what to do? Purpose of those unknown: operators don't use them, not part of test cluster. Got report that cost of electricity for ASTRON will go up a lot, expect similar for JIVE. Backup server status: > 100 hosts/day backed up. Went through tickets w/o assignee and assigned staff (mostly self) [Des: can Redmine be configured to not accept empty assignee?] Will investigate. Over the weekend: zfs issues at home: 2NVMEs reporting different checksums compared to on-disk stored, triggering running memtest. Relevance for JIVE: after searching found that Ubuntu's shipped a broken memtest tool (crashes at 4 GB boundary) and JIVE have discarded equipment based on memtest results: will boot "packman" machine, install fixed/new memtest to verify if h/w passes or not. Working on EVN symposium presentation.

Aard: FranzK on-site last week, wanted to learn about delay mapping; found lots of FRBs - no (sfxc) detection on bright one? Investigation reveals: one station USB, other LSB, bug in dedispersion code did not take this into account - disperse signal away (fixed). Whilst at it found issue with weight scaling in bins - two stages, one fixed, revealed issue with other stage. [Paul: user data released w/ this?] Yes but all weights affected similar. Need version w/o weight scaling (req BobC for primary beam correction expt), had one, can't find back, have built new option into sfxc to not do scaling: req offline CLCOR or similar task; can improve mixed b/w amplitude scaling issues. In fact, should move scaling out of sfxc (but SergeiP was of persuasion that corr should be "as perfect

as possible" so no kludging downstream/in post processing).

Bob: BerthH strange error(s) from tapes 2016 and earlier: "ssh cat ... | tar" error 255; investigation reveals only happens on last record of batch, and only if "ssh cat ..." is used; extract + scp to target host and then tar = Just Fine (tm); version history ~2016 => started to check tape command return codes, probably for a reason [Paul: try mbuffer?] [Marjolein: started off by trying that iirc, there may be reason why not using it now]. e-VLBI last week: used fork-job feature to clock search station late: configuration uses all network params including "ipd=", meaning input too slow, after several minutes job hang (fixed). pySCHED: sumfile writing code rewritten, can now start on real sunwarnings.

AOB: last week discussion w/ FranzK, JasonH, RichardB, Paul, Marjolein: likely that WSRT finally gets two-flexbuff approach - joint usage makes maintenance/usage for both parties difficult and FranzK got money in proposal for h/w investment, might be enough, with extra chip-in from ASTRON to buy new one for JIVE and update storage in old one (scheduled for moving to WSRT site).