

WURM, 24-04-2023 13:00 WURM (Library meeting room)

Present Bob, Aard, Des, Ilse, Marjolein

Plenary part: Marjolein thanks the ones of us that have already started to jot down work on the whiteboard in different categories. As far as she is concerned one of the most important categories is the "Wait" (or "Blocked?") – projects that work has been done on but are unfinished and left hanging. The other two can be used to balance workload and priorities.

Des: addressing VEX2 issues that popped up – not trivial to verify that generated-from-db VEX2 contains all the correct and same information as for VEX1.5 output. [Bob: possibly we'll use the sfxc VEX parser; it parses VEX into a simple structure and overloading the equality operator seems a simple and viable approach]. PolConvert script: makes three calls to the same function for different tasks; last call no effect yet: it edits the IDI file directly – need to come up with a way how to do that in MS. It's annual report time so the PapersDB tool got some attention again + new request. Will be working on publishing a real DOI for verifying.

Bob: numpy pull request integrated, new release available; still get compile errors but may need to clear build env. OAuth2 into EVN TOM: building prototype to be able to discuss what it really has to do. eVLBI probs last week: Ir started late, pcal tone extraction switched on (no indication), Nt keeps sending data (maybe command shares data channel?). Also performed Tr phase jump test: DBBC3 and DBBC2 jump at same time in the same way → cause very likely outside DBBC. Mark6 monitoring: those who are only used for copying VLBA data keep "disabled" state (so s/w does not monitor) but keep machines with that status visible: rely on human to have expectation of when they're actually on or off.

Aard: on-the-fly pcal extraction too expensive, can rewrite and make a lot faster; there is sufficient room for improvement [Discussion: so little request that it's always forgotten that it has a big impact on (real-time) correlation; Bob to make warning in GUI "if(evlbi && pcal_extract)" b/c the setting is hidden in advanced config in GUI; it is good to know it can be made faster but there are higher priority tasks right now]. Mail from Zs: AndrewS contacted us again, req to prepare few slides on what unique sfxc features can impact SETI (e.g. very high time, freq resolution, phased array?, binning?). RADIOBLOCKS WP4 biweekly meeting: contributing to requirements for cluster. Toy-correlator data ingress: using WalterB mark5access and finding it, secretly, very handy. Mixed-bandwidth experiment correlated in two ways, todo: put through AIPS + selfcal for verification. Phased-array recorelation: all Tr data from file have few valid frames then rubbish; correlating from mk5read = fine but don't want to stress diskpack into #FAIL.

Ilse: CASA workshop organization meeting; GeorgeM question on organization of in-house sessions – clear to us (LOC) but not for

tutors; will arrange meeting shortly; instruction to make exercises not cut+paste only. Q for Aard: notebooks upgraded to v6.5.5? [Aard: did upgrade ~ month ago so probably not latest]. Work climate survey ongoing (NWO finding out about > 1 surveys in parallel ...). EHT review finished; had CASA NRAO VLBI coord mtng. RADIOBLOCKS: had chat with Gomez; no contact from Nijmegen. Working on ORP EVN proposal.