

WURM, 20-01-2020 14:00

Present Ilse, eBob, Paul, Des, Aard, Harro

Ilse: The EAS special session announcement went out last week. Another CASA/JIVE VLBI coordination meeting was held; this year's NRAO summer school no CASA (there is no-one to teach it). The CASA VLBI workshop at the EVN Symposium will be a 1 hr demo, later this year a multi-day workshop @JIVE (target: ~50 participants). Need to decide what the next step(s) are w.r.t. CASA pipeline. Been working on HI calibration/spectral window mapping issue. Contacted Yan Grange & Tammo J. Dijkema about CWL; answer delayed (arguing which will be the most knowledgeable?). Will give a public lecture about VLBI, EHT at Volkssterrewacht Bussloo Feb 14 2020.

eBob: Spent the week fighting with the combination pandas + matplotlib and datetime + matplotlib (and they won). Workarounds were implemented. Petrov contacted us about updates of SCHED catalogs in pySCHED.

Paul: Monday 20 Jan 2020 the 100Gbps fiber was lit, no data routed over it yet. The request from new 'frb' machine users to exchange data with the WSRT flexbuff triggered the detection of unavailability of a jive5ab 2.9.0 package not linked to StreamStor libraries. After discussion Harro will hand over the packaging to eBob. The EVN proposal deadline is approaching, Paul's proposal is shaping up but not done yet. Next week Paul will be ESTEC for "business not otherwise specified". Backups from marcopolo still being worked on and one sfxc node has a damaged fiber.

Des: The CASA dispersive fringe fitter should now be checked by someone from NRAO, otherwise good to go. Thinking about doing the wideband version in a memory-efficient way in stead of current brute force (FFT with potentially a lot of zeroes in it) to find FFT peak between grid points.

Aard: A creative operator crashed sfxc: 2Gbps L-band exp, select subset of channels w/ data in, mix of single/dual pol => sfxc crash. Now fixed. If this is tried more often, should add runjob warning/"are you really sure" dialog. Installed Oleg c.s.'s "radiopadre". Documentation completely out of date so everything fails. Installing on the new eee-dev.jive.nl "machine" provisioned by ASTRON. Singularity not working at all reveals that that is a container, not a VM. Being investigated by Sipior. The "parallel job problem" reported last week could not be reproduced. Tried the SFXC PFB mode on synthetic data, found amplitude is lower, and what's more, quite pronounced ringing in the spectrum at band edge. Will investigate if SFXC approach of small FFT before delay compensation is to blame. (Questioning Sergei P.'s method's validity here!)