

ZWURM, 27-09-2021 13:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk81)

Present Ilse, BobE, Aard, Des, Mark, Paul, Harro

Plenary announcement: with the return to normal – coming into the office on a regular basis – opens up the possibility to have R&O talks again, so between now and half a year official R&O talks should be scheduled.

Ilse: Plans for last week interrupted by GiuseppeC request for JJ reporting. The V0 workshop went fine, joy to do but was not very interactive so unsure about participants. Attended thesis defense in person: really nice meeting people after 1.5yrs but very inefficient (Zoom would take 1.5hr, now all day). Spectral line notebook progressing, some issue(s) with flagging, under investigation. CASA ticked proved easy to reproduce and forwarded to MarkK – workaround shared with user + NRAO (good to see how this is working nicely), MarkK detailed report. ESCAPE meeting, ORP-PILOT meeting and ECHO training later this week. ngEHT galaxies + cosmology group increasing momentum writing science cases, want science book by Nov.

Aard: Attended 2-day BAASP conference, gave presentation; GinoT presents DBBC4 plans w/ AI to do RFI removal; presentation on working sfxc installation at Ventspils and many talks about asteroids and ranging. Binderhub now running on port 80: rogue k8s installation was still running; trusted notebook issues: found older v3 that does /not/ show the issue to generate a detailed bug report. Furthermore addressing some plotting issues reported by IlsevB.

Paul: fb5 back into production; problem wasn't backplane but 4-way SATA cable – once replaced all disks visible again; decided to keep the backplane as spare. LOFAR meeting changed again (Tue 11:00) – may clash with JIVE coffee. Waiting for quote for new archive machine for distribution.

Bob: ORP-PILOT meeting later this week, preparing presentation on how to integrate EVN with the opticals. BobC sent station updates, updated pySCHED catalogs, SCHED updating needs to be done by Des; TSCAL changes in catalogs: pySCHED per band per station, in SCHED per station, write script to help updating. antab_editor issue: freq range in ANTAB file should be receiver range (MarkK) but rxg file not known and if range set to VEX file limits AIPS will flag/discard upper band – add half BBC bandwidth to freq range, now works.

Mark: V0 workshop sentiment same as Ilse's – it wasn't very interactive. Had koffie-with-klaas, EU-VGOS meeting: IvanMV continues PolConver for VGOS, remains very interesting for us, now standalone vsn w/o CASA; will install and ask BenitoM to see if issues fixed. GeorgeM: need to have a chat, freq meta data changed: can have different ref freqs in gencal and applycal, needs to be verified for fringe-fitter; have to make sure there will not be a release w/o our fix; need to revisit MichaelJ issue(s) – not the same environment anymore; verify spectral line fringe-fit results

applied to continuum data. New CASA ticket: easy to fix, bug in importfitsidi if day crossing in data: generated erroneous timestamp (actually: TEC time range was always wrong, only caused crash if day crossing in dataset); writing test code to verify correct operation of the fix took longer than writing the fix, but that is known; CASA code repository being reorganised to remove all CASA5 related (infra)structure; CASA-VLBI coord meeting this Wed; AndreO has submitted dysko storage manager into casacore - required to be able to use in CASA6.

Des: New VRI now has contours of countries (territorial disputes redirected to source of information). Can mint DataCite DOIs, but our data URLs contain "?..." suffix - are HTML parameters, not proper URL, some even contain ".php?...", exposes way too much detail and must come up with new data set access URL(s), have experience with lighttpd + Python for URL rewriting, don't know yet how to do in Apache; DOIs minted from json -> XML -> base64 -> json, but seems to work; suggest to use the DOI provider generated suffixes; will compile list of metadata that will require to be filled in. Need to write new test(s) for fringeFit to check frequency metadata change.