

JUC, 03-03-2017, 11.00

present Des, Jonathan, Harro, Benito, Arpad

Des: rewriting code for e, will spend most of next week on this. Unclear how much work it is in all, will know better next Friday

Jon: 90 deg shift fix to 32+64MHz versions, testing but takes time. Seems to be new space-saving file system on Aribox which Wybren wants to have tested, 1.6 compression? Unclear how big resulting files are though. Side band flipping has been checked, seems fine. Looking at windowing and noise problem.

Benito: no time this week, but next week will look at output of BP, also check UV coverage. There is of course a difference in time, could do SFXC with exactly same integration as JUC, and compare to integer second integration, see if any difference in primary beam visible. We do not expect so.

Harro: changed fan-out code to read from UDP socket, plus real time mode and support for VTP. Not sure anymore whether VTP was implemented in JUC or not, we did talk about it.

Checked noise averaged over subbands over time (according to Aard not relevant within subband). Looks tighter than SFXC, clear influence of phase jumps. Now what does this mean? Next week, also invite dr Bob and Aard, also plot amp vs time.