

JUC, 4/11/2016, 13.30, Arpad's room

Present Jonathan, Harro, Des, Arpad, Benito (for a short while)

Benito has been trying to re-correlate a comparison data set with SFXC, with same settings as JUC (only stations with 32MHz bands). This failed, eBob also did not know why, wait until Mark comes home (Monday).

Jonathan: looking at HMC, managed to do read/write to register

64 MHz FFT, weights don't look right, made a fix but now gets timeouts, which may have to do with Des code (or not).

Longer FFTs, some samples may not have validity checked. 32MHz ok. Maybe smaller FFTs, easiest to implement, highest freq resolution changes, but nobody cares about that. Or fix the way validity is checked, up to Jonathan.

Then long discussion about how data might get overwritten while it is still being read in e-VLBI mode. General consensus is that there should be some more diagnostics, this could point at station problems (fila10G not properly configured). Number of frames with wrong time, number of overwrites. Jonathan is going to implement these.

Harro: segfault in Des test was caused by race condition, nothing to do with segfault that Quick found (locking (unlocking?) unopened mutex). Anyway, fixed.

Des: worked on fringe fitting