

JUC meeting, Thursday April 18, 2013, Arpad's room

present: Harro, Des, Jonathan, Salvatore, Arpad

previous problems (which were not discussed):

BNs not responding after some time. Jonathan: something seems to get stuck in FN, maybe a virtual FIFO. Has log file from Des, now waiting for it to break again, look with signal tap + new logfile. Not fixed yet.

Several virtual stations on one FN: Jonathan has not looked at that yet. Will do so today (March 28)

Harro: investigating the staggering of output from UB to prevent bursting and overwhelming the data sink and/or network. Connecting every BN to a separate machine might do the trick. Des: how about trying this in practice, enough machines with 10G connections should be available. Jonathan explains that all products per frequency bin are burst out. Size depends on integration time. Delay between packets should be programmable, will depend on number of machines to download data. Ongoing.

Jonathan: problem with stations other than 0 and 1: cornerturner seems to stick the data in wrong places. Some fixes, re-running simulation, if all ok will be compiled this afternoon. When all 8 stations work, look at more FNs. Synchronisation will be tricky in simulation.

Des: going to 1 coefficient per integration basically broke everything. Changed code to write to FIFO, needs Jonathan to change opcode. Minor change, will do so this afternoon, new FN code.