JUC meeting, Thursday January 30, 2014, Arpad's room

present: Jonathan, Salvatore, Harro, Des, Guiffre, Arpad

– Jonathan: bugs bugs bugs. Header issue solved (legacy vs extended). Problems remain with validity. Affecting 2nd, 3rd and so pairs of telescopes more than first, which is weird. Last 8–18 FFTs affected, zero validity, no matter how big packet. Could be caused by reading/writing simultaneously from/to memory. In simulation, first write, then read. Now simulating both at same time. Might use only 32 FFTs to cut down on simulation time. Full thing would take 40 hours. Placing taps as well, see where things go wrong. Salvatore and John did check crossing of time domains, found one signal that needed reclocking, but that did not solve it, all other signals seem just fine. The arbitration of reading/writing with data packets is fine, but storing and reading of validities is done completely differently.

– Des: making erlang code to talk to jive5ab, each mk5 will have an erlang node, still some troubles reaching all mk5s. Harro thinks there should really no problem. First test of sending real data, next week?

– Guifre: talked to Sergei, will start at L band, 2 big telescopes, check for phase jumps. Compare models, go to more stations, higher freqs. Will document as he goes along. Start with data on Aribox, when problems with new packetRX are over will make direct comparison. Harro + Des will help Guifre setting up Erlang on his laptop.