JUC meeting, 27 May 2014

present Jonathan, Salvatore, Harro, Des, Guifre, Arpad

Jonathan: validity up bug fixed in simulation, not yet synth. Looking at value down problem, every 4 secs, which is lenght of memory buffer. Did a bit on the flipping test with sine, but it seems not needed. Harro and Des happy with explanation of Sergei. This should be written up, Des will do so, maybe add simulation of Sergei.

Guifre: 13 stations 8 bands, comparing SFXC-UB. 4 Minutes data take 9 minutes to process. Using 1 erlang node, strangely enough using 3 slows down things. Some confusion in direction of phases, using vex file order all are wrong, opposite all are fine. Harro made a fix w phase flipping, should take another good look. UB1 does not stop, 0 stops fine. Same firmware?? Lots of packet loss, whole integrations even, but when checked, after corr, nothing else on machine going on.

Decision was made to empty 4 disks of flexbuff, make raid. Still some NMEs in flexbuff format, some expts in file, stuff of Mark and Paul. Arpad will talk to Bob, find out what can go, Harro will move rest of stuff to other disks.

Problem w firmware, starts missing subbands, remains until reset. Jonathan has put tap in, wants to take a look next time it happens. Des could make a cheap test to detect this condition. Workarounds are possible, much better to fix it...

Data of UB at 1024 looks better than SFXC? **after meeting, Guifre talked to Sergei, most likely wrong mapping of sign and amplitude streams in SFXC

Des: working on integration with e-Bob stuff. Use of mk5s much easier, hopefully tomorrow.

Guifre: rate in Wb seems wrong, all else right? Cannot be. Check values in db.

Arpad should talk to dr Bob about suitable experiments.

Harro: work on speeding up sending data. About one week of programming effort.