JUC, Tuesday July 1 2014, 11.00, Arpad's room

present Harro, Des, Jonathan, Guifre, Arpad

Jonathan: has identified reason for everything to stop working every so often and which was not fixed by appl reset. The way it handles commans from code of Des was incorrect. Only happens when a correlation is done all the way, which was rarely happening but happens often now.... Des changed one line, Jon made new code, test later today.

Des: need more resolution for delay model, scaling up as much as possible so that Sergei can test and see if it makes any difference at all. Sergei now thinks picosec resolution is needed, even better to be future proof. Right now about 100 picosec. Quite possible with 48 bits register (not implemented yet) but the 8-bit lookup table would limit resolution anyway. Jonathan will look into changing his method. Des made new work-around for end of correlation problem which refuses to go away.

Control to switch delay on and off in runtime is in now, will test off, on, extra resolution. Guifre will test normalization, fringe and bandpass, compare with SFXC. J2ms2 should move to production, changes do not affect SFXC anywa. Harro mentions new smoothing scheme for SFXC, Mark with Sergei cooked this up, involves a lot of ffts. For the time being, we stick to smoothing.