

JUC meeting, 30-04-2015, 11.00, Arpad's room

present: Des, Harro, Jonathan, Arpad

Jonathan: 32MHz still has problems. Made hack to make all BNs send data, but still not ok, not worth putting effort into as real solution has to be made anyway.

Tried bin averaging in BNs, which was not only not too hard, but even easy. Is already done! One new register to specify averaging factor, j2ms2 will need some work. High on priority list, compare Harro smoothing to Jon smoothing, Des and Jon can do this next week (Harro gone to US).

SFXC smoothing, not applicable to UB, unless Jon puts in loads of work. Mark tells Harro difference between smoothing methods not impressive, would be nice to have a number of sorts. Will have to talk to Aard, compare SFXC results with both smoothings. Although Mark told me afterwards DIFX does use the simple binning. Refer to that?

Need some work to support the smoothing, make sure it is all as it should, then attack amplitude problems. Then compare smoothing with SFXC.

Harro shows comparisons between amplitudes SFXC and UB. Also phase vs freq, UB clearly more noisy. Amplitudes seem close enough but spikes differ, scaling different? Offset in subband 1, later found out it is Iridium. Different filterbanks also show in comparison.