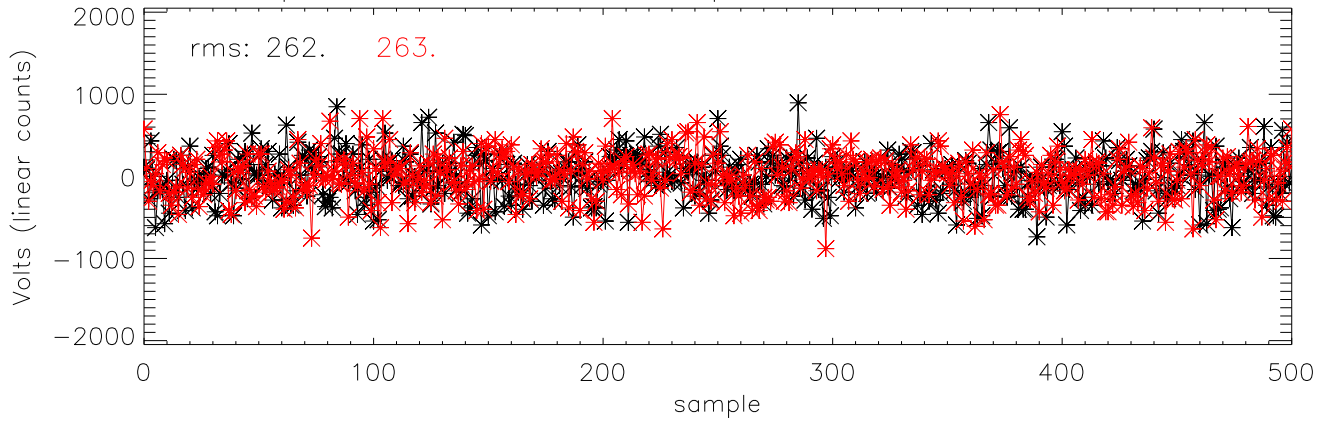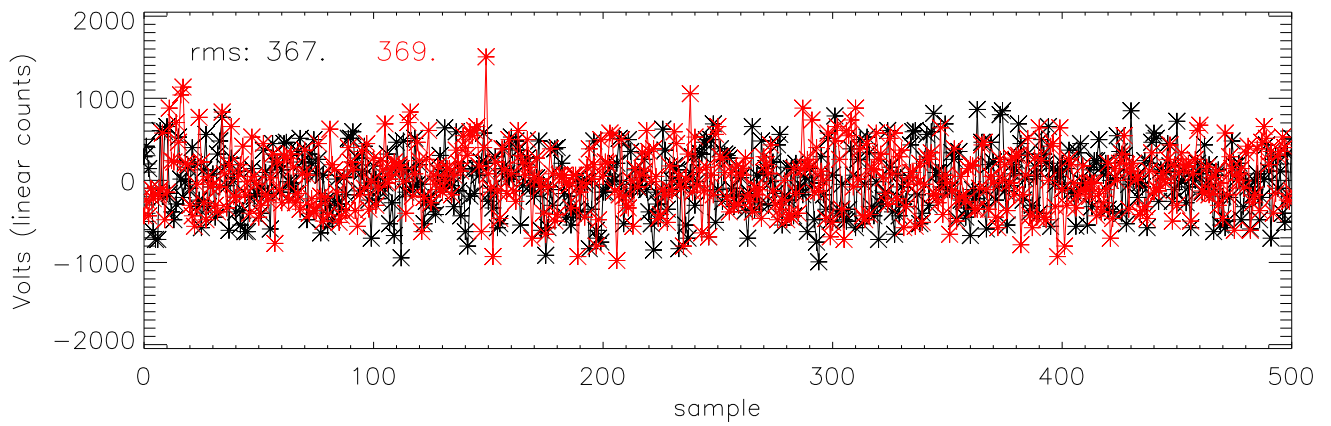24sep07 16 bit TmDomain Samples with hr_shift=10.decimate:4

rms: 262.   263.

decimate:8

rms: 367.   369.

decimate:16

rms: 520.   523.

decimate:32
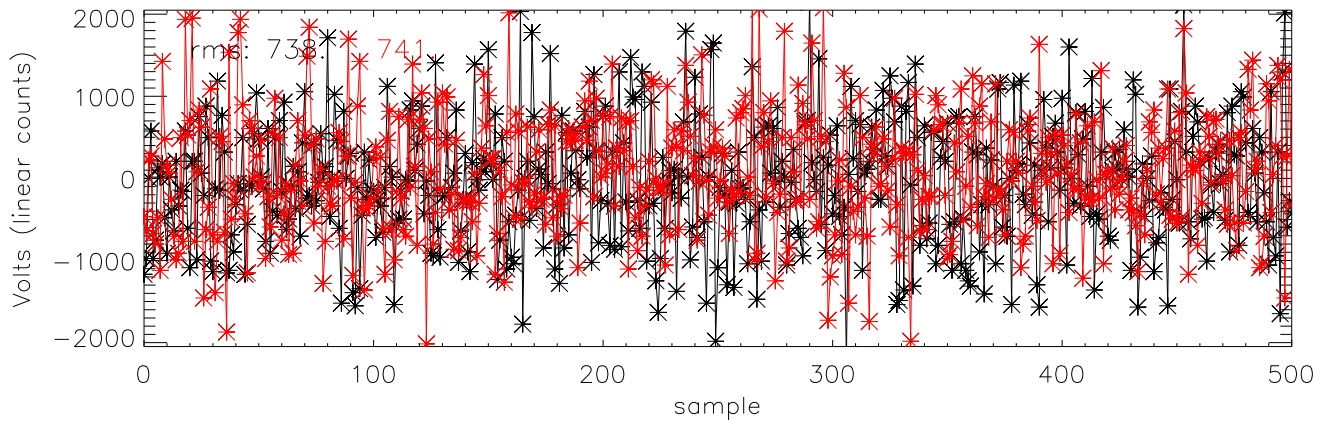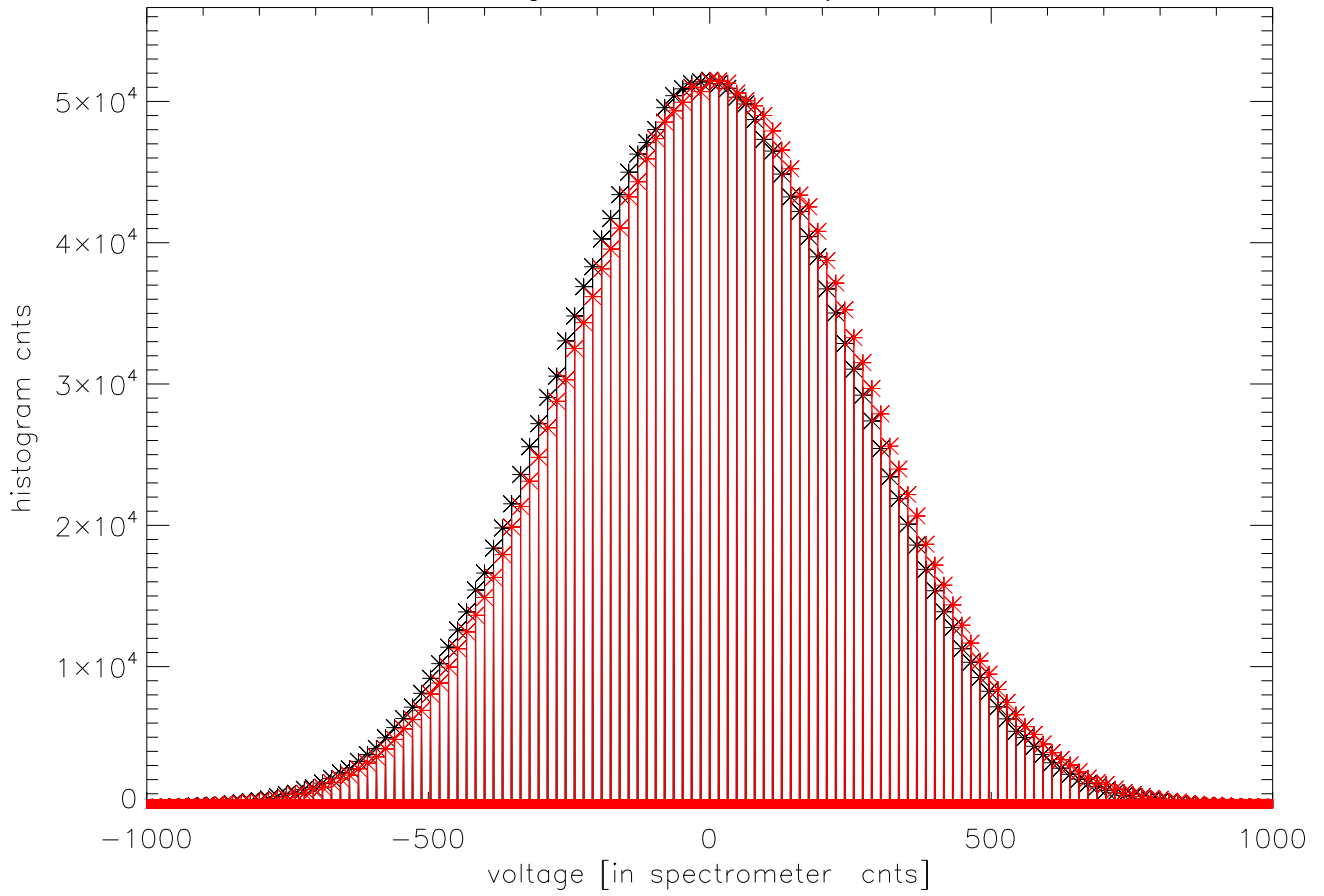
rms: 738.   741.

histogram decimate by 4 data

horizontal blowup.samples spaced by 16 counts

Rms/sqrt(decimation) vs decimation

[Decimation]

Divide by 16 (for extra 4 bits)

Measured rms at A/D: 48 counts

dlpf filter gain .62

Expected filters rms: 48*.62=30 counts. Measured:8

[Decimation]