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: 733.  741.
histogram decimate by 4 data

horizontal blowup, samples spaced by 16 counts
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