From the records, we can find that:

IIR is better for tracking;

MAF and FIR are better in reducing noise.

MAF/FIR scalars: 10

IIR filter: average = 0.2 *previous + 0.8*new;

FIR filter coefficients: {0.01,0.02,0.03,0.04,0.1,0.12,0.14,0.16,0.18,0.2};