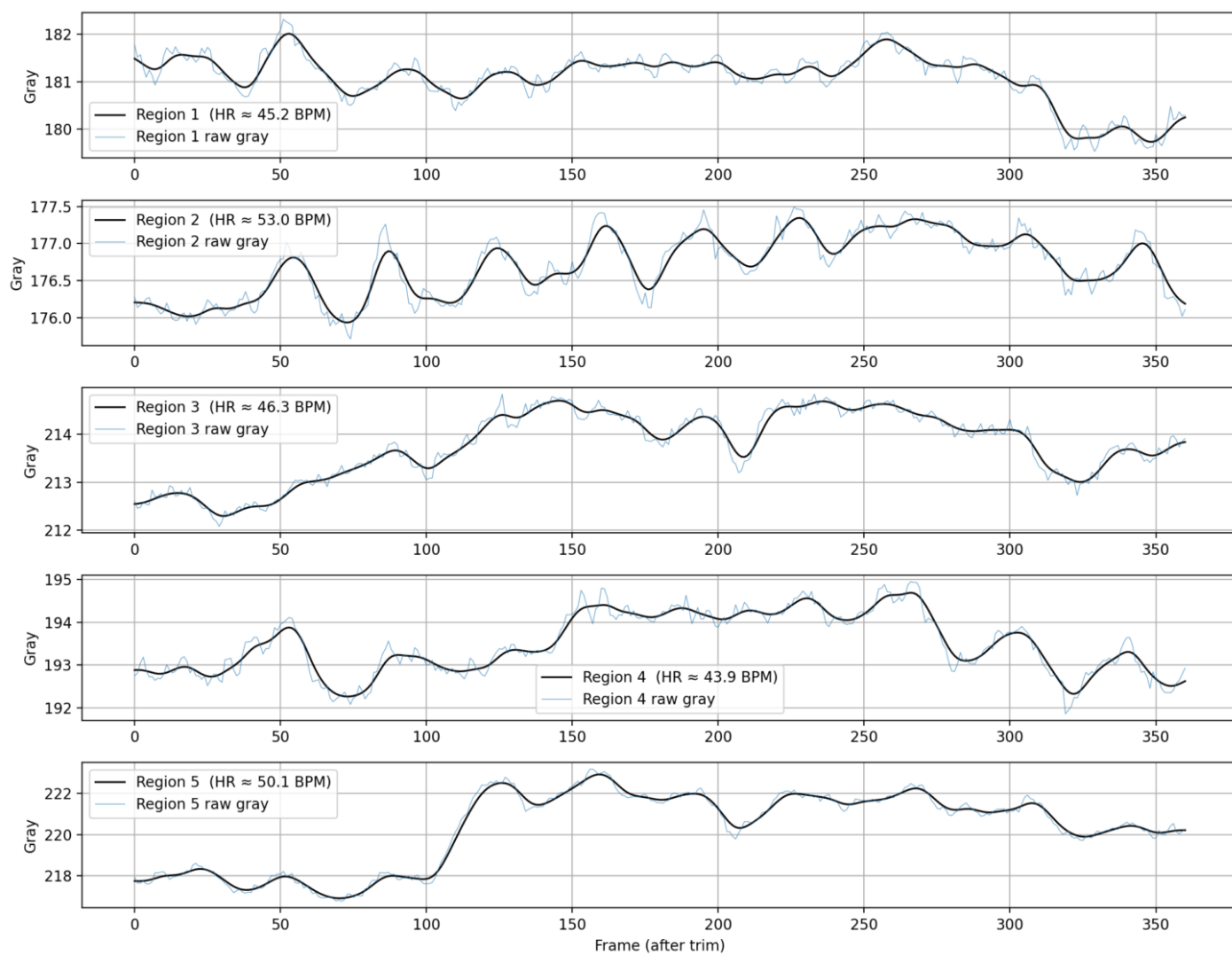Moving-average intensity of raw signal per region (window = 20 frames)

Region 1 (HR ≈ 45.2 BPM)
Region 1 raw gray

Region 2 (HR ≈ 53.0 BPM)
Region 2 raw gray

Region 3 (HR ≈ 46.3 BPM)
Region 3 raw gray

Region 4 (HR ≈ 43.9 BPM)
Region 4 raw gray

Region 5 (HR ≈ 50.1 BPM)
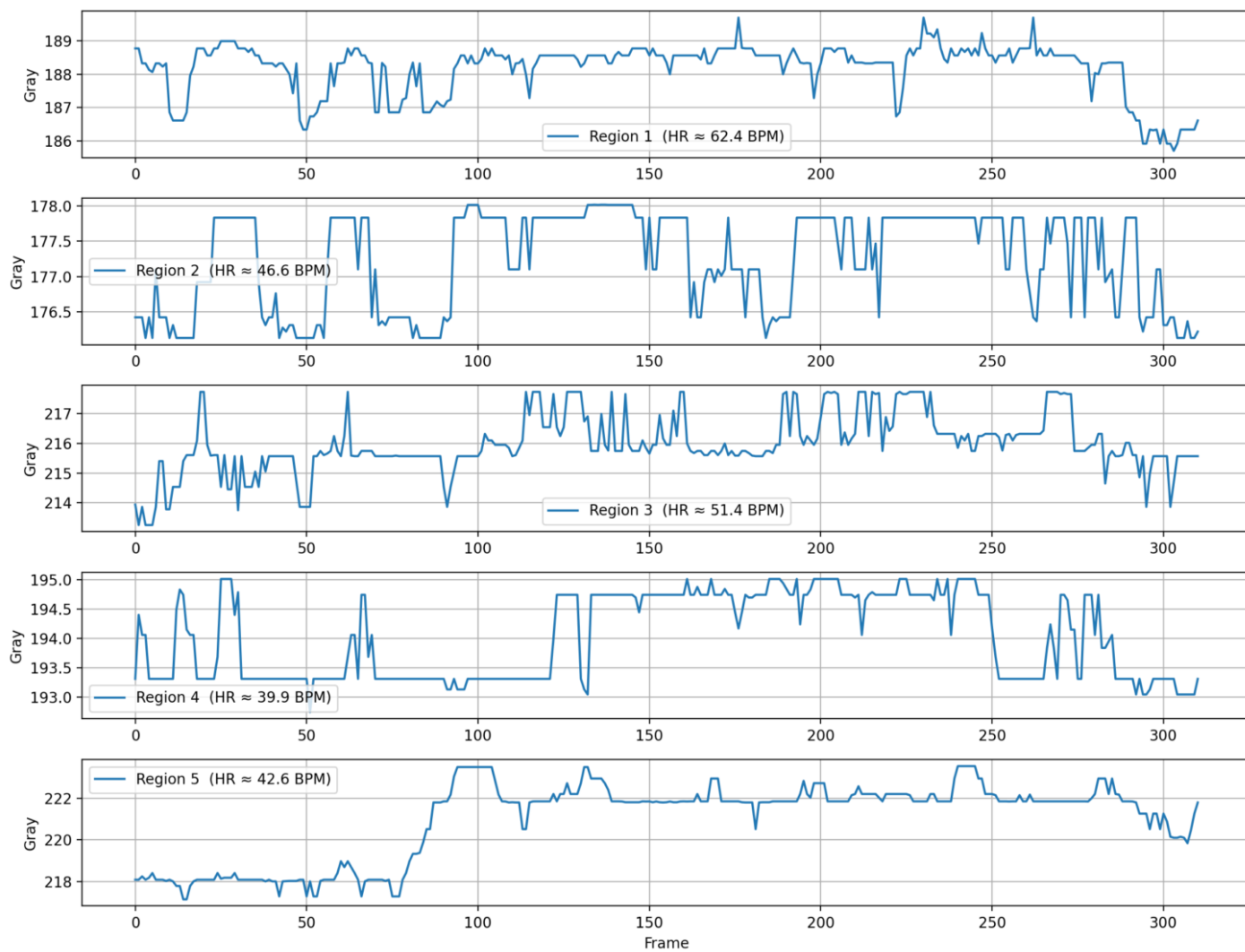Region 5 raw gray
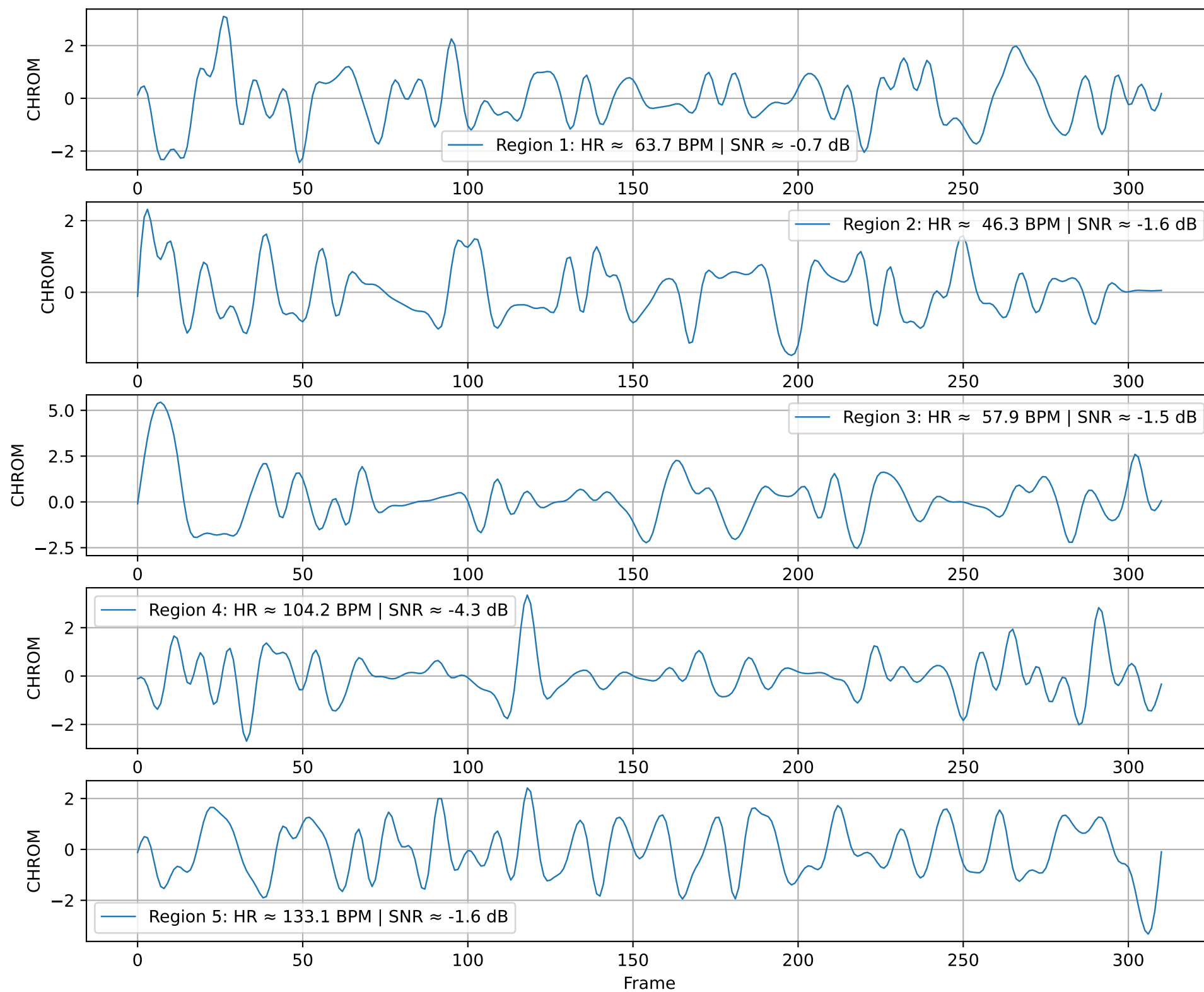
Frame (after trim)

Raw grayscale (Euclidean-norm) intensity per region
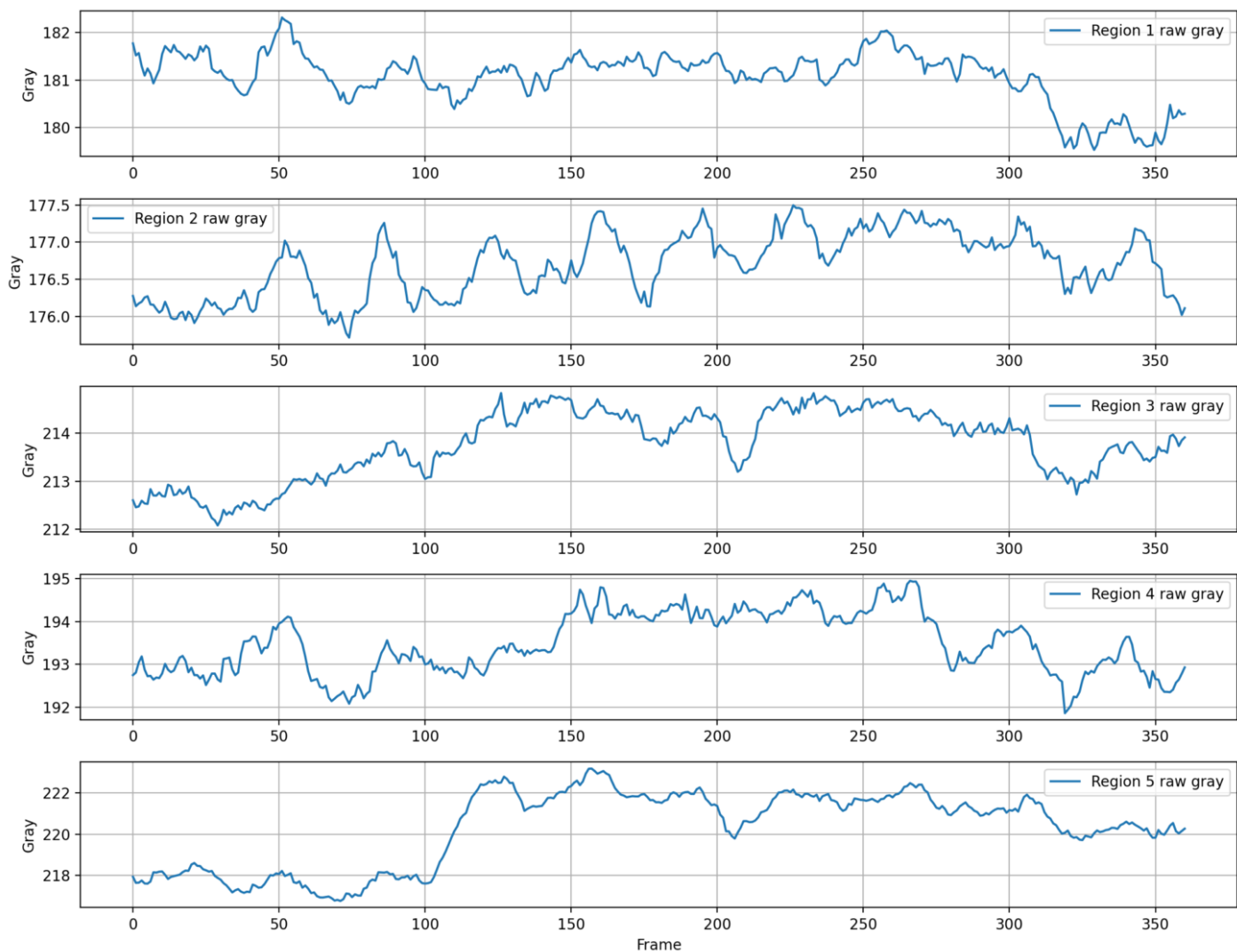
Motion filtered out of raw signal per region
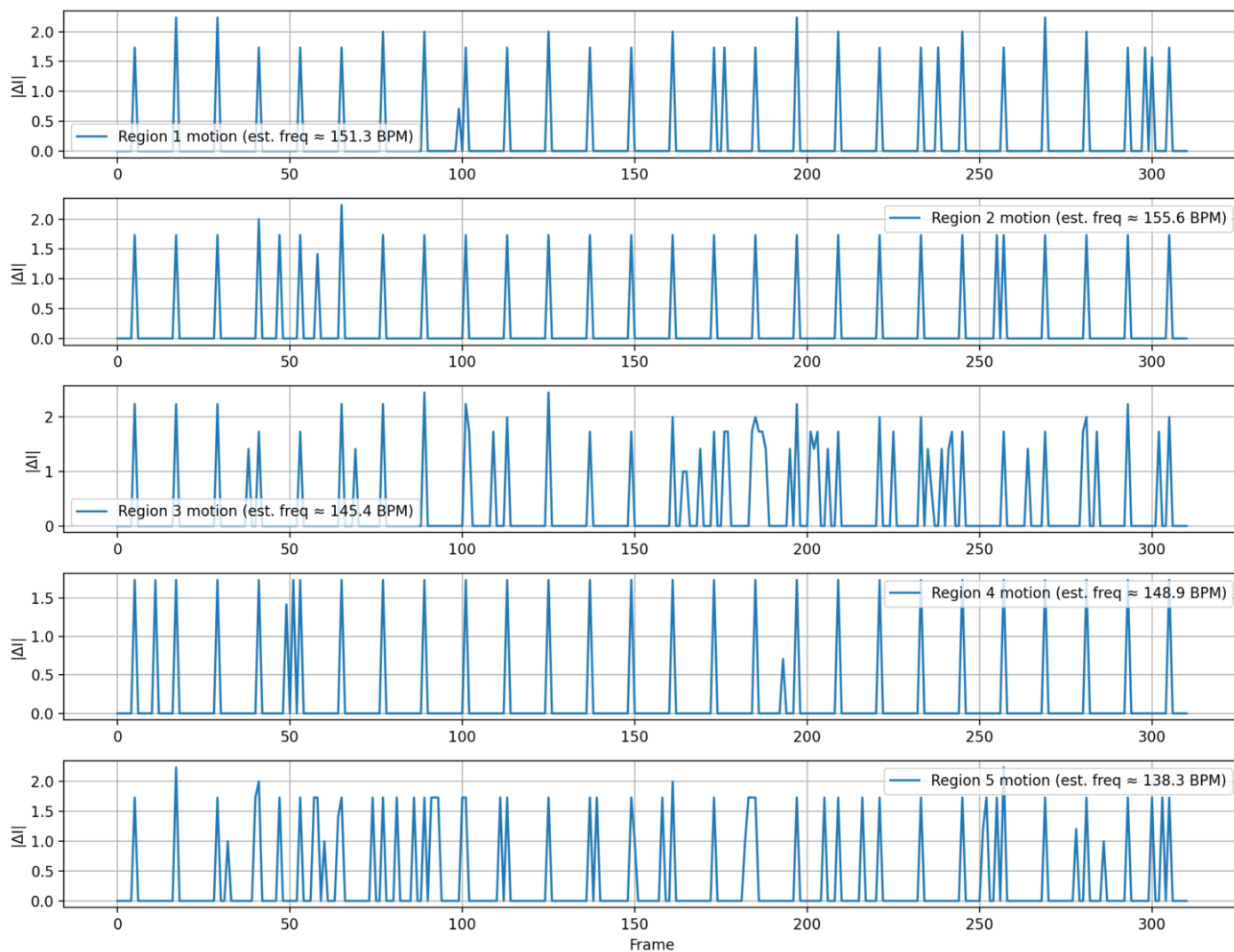
Filtered signal per region

CHROM with motion-processed signal
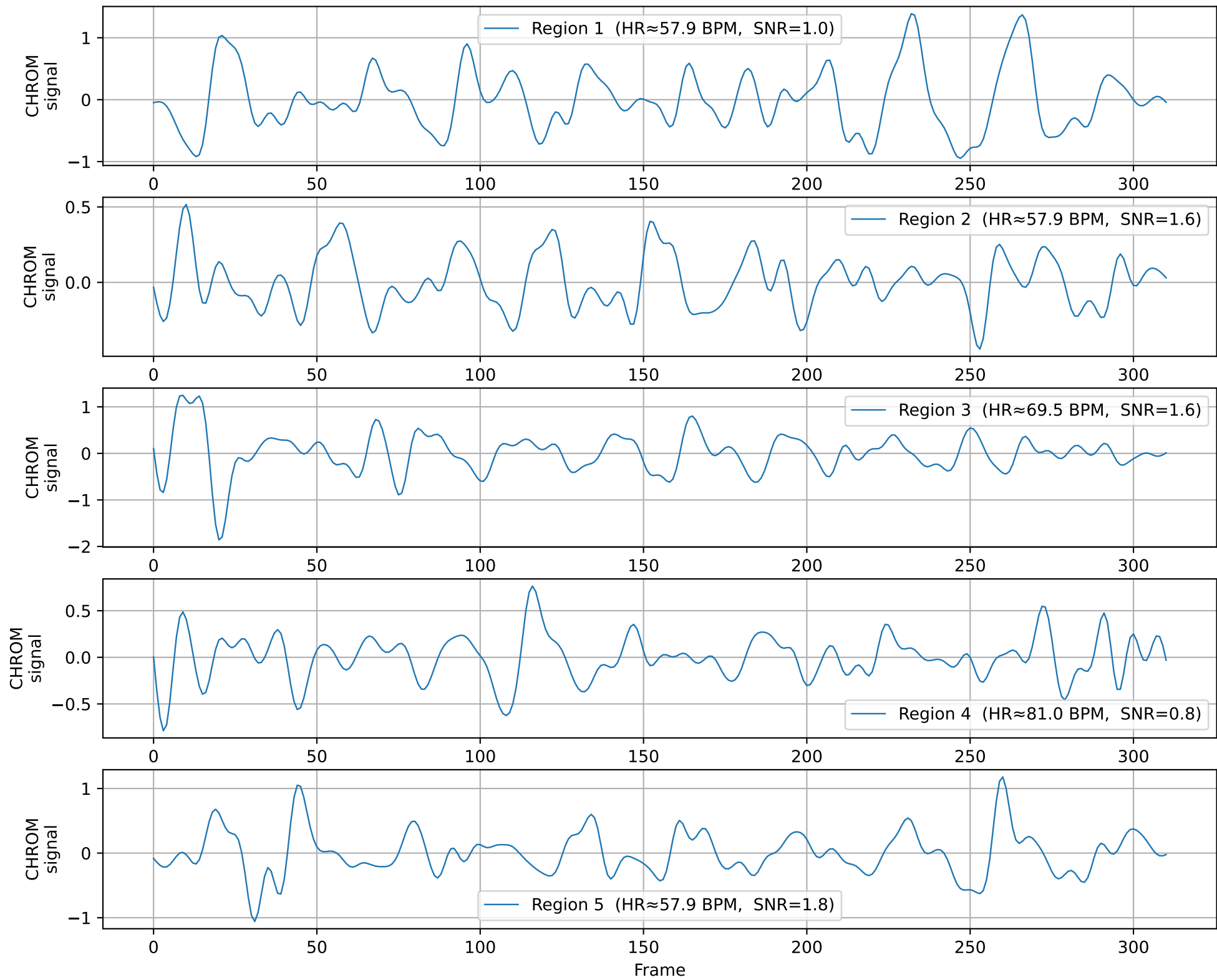
Region 1: HR ≈ 63.7 BPM | SNR ≈ -0.7 dB

Region 2: HR ≈ 46.3 BPM | SNR ≈ -1.6 dB

Region 3: HR ≈ 57.9 BPM | SNR ≈ -1.5 dB

Region 4: HR ≈ 104.2 BPM | SNR ≈ -4.3 dB

Region 5: HR ≈ 133.1 BPM | SNR ≈ -1.6 dB

Frame

Reconstructed signal from CHROM input
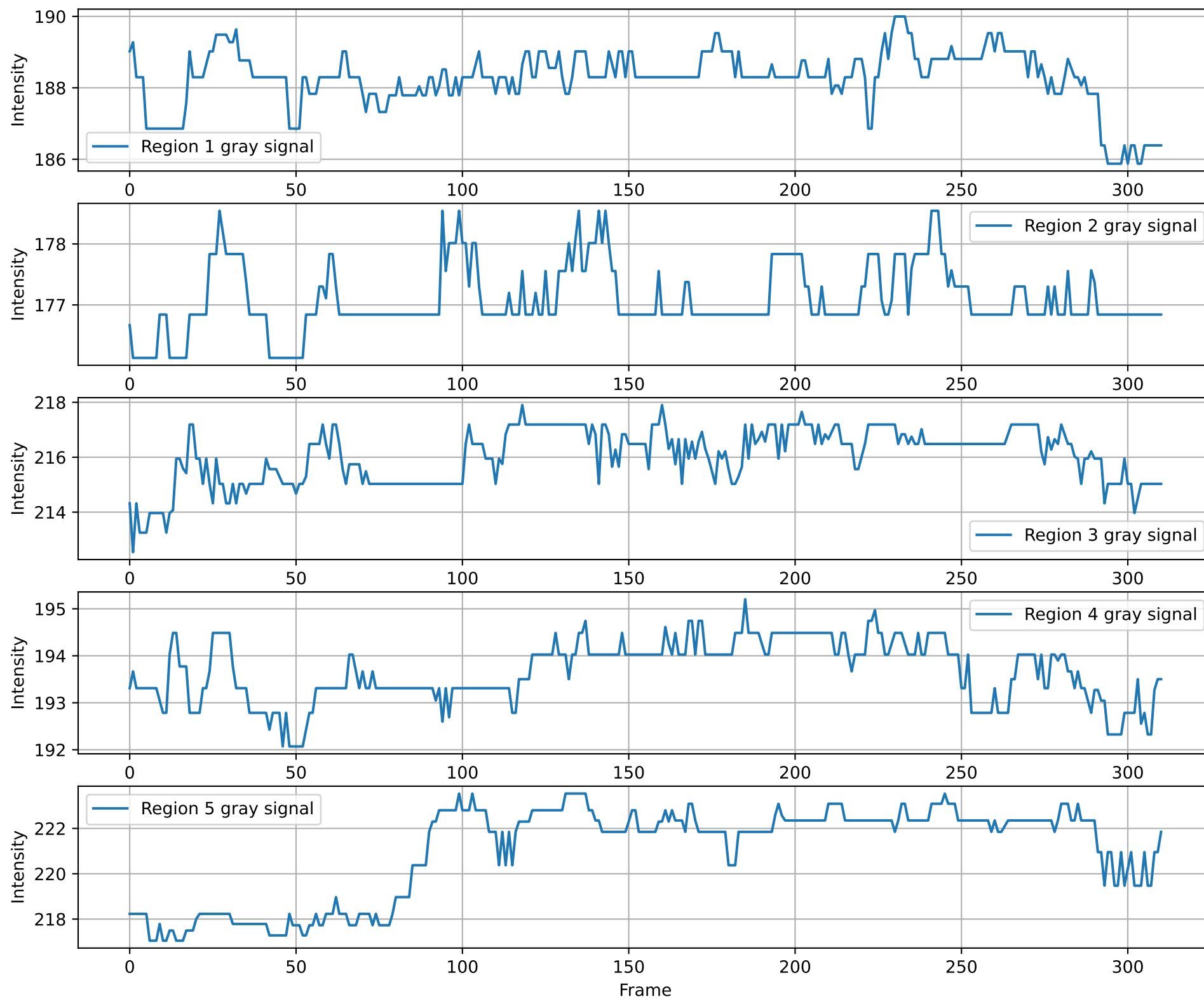
CHROM no motion process

POS pulse extraction per region (no motion process)