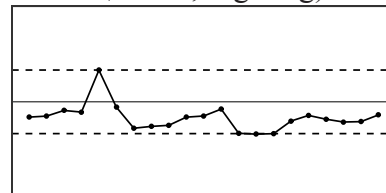
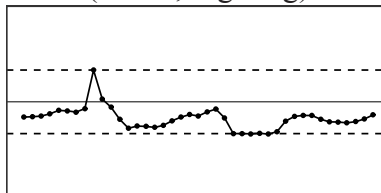
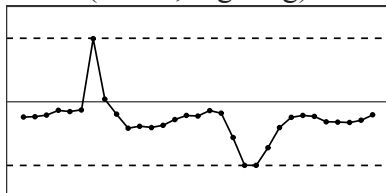
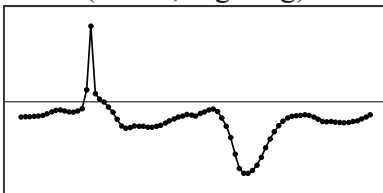


Device 0
(80 Hz, -8g ~ 8g)

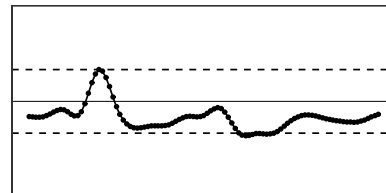
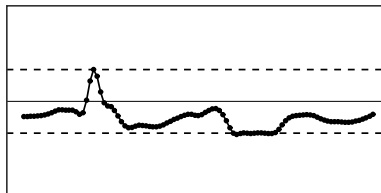
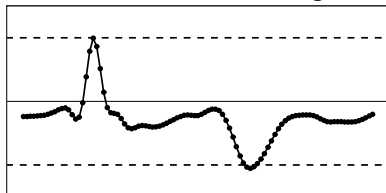
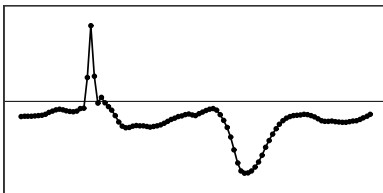
Device 1
(30 Hz, -4g ~ 4g)

Device 2
(40 Hz, -2g ~ 2g)

Device 3
(20 Hz, -2g ~ 2g)

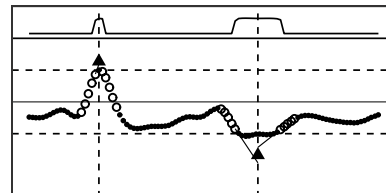
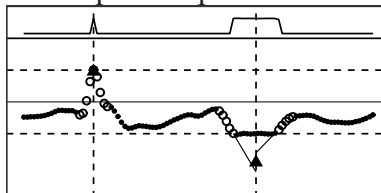
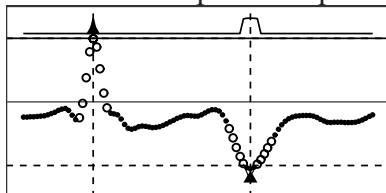


Interpolate to 100 Hz

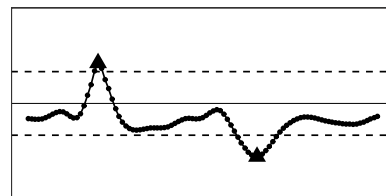
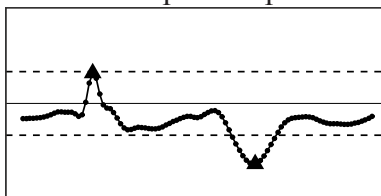
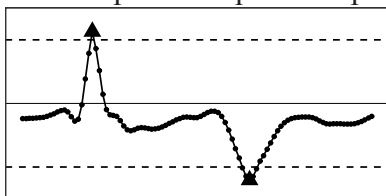
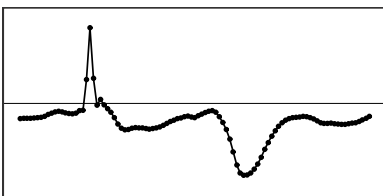


Extrapolate step 1: find extrapolated point

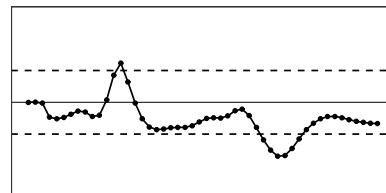
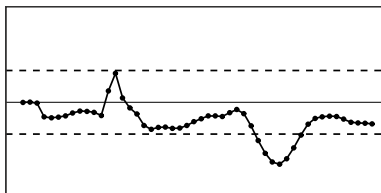
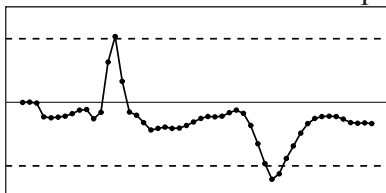
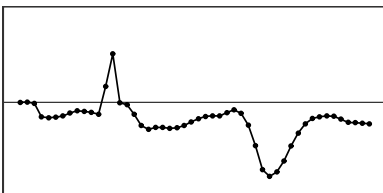
No need for extrapolation



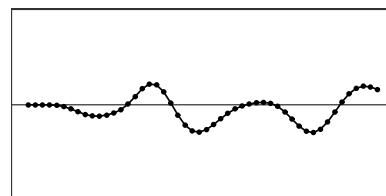
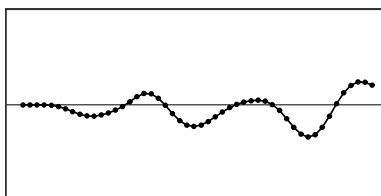
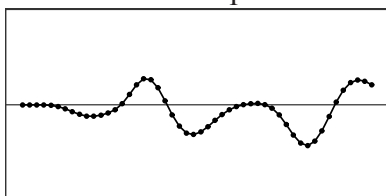
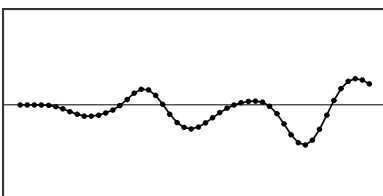
Extrapolate step 2: interpolate with extrapolated point



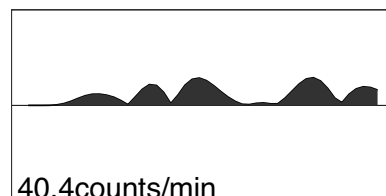
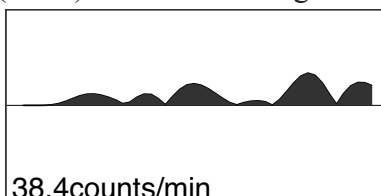
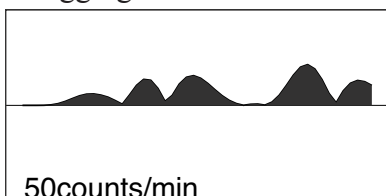
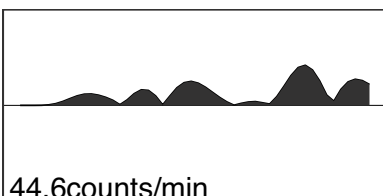
Resample to 50 Hz



Bandpass filter at cutoffs 0.2 ~ 5Hz



Aggregate area under curve (AUC) with rectified signal



44.6counts/min

50counts/min

38.4counts/min

40.4counts/min