**READ ME**

Frames used: 50-250

Contraction (vel\_contract\_ave): Frame 50-120

Expansion (vel\_expand\_ave): Frame 120-200

Rest (vel\_rest\_ave): Frame 200-250

Vel\_pulse\_ave: Frames 50-250

**Time Snapshots**

Frames 50-250

20 times are taken over the entire pulse.

vel\_t\_i corresponds to the average of frames (i-1)\*10+50 through (i-1)\*10+4+50 (in other words, 5 frames are averaged, and this average is taken every 10 frames)