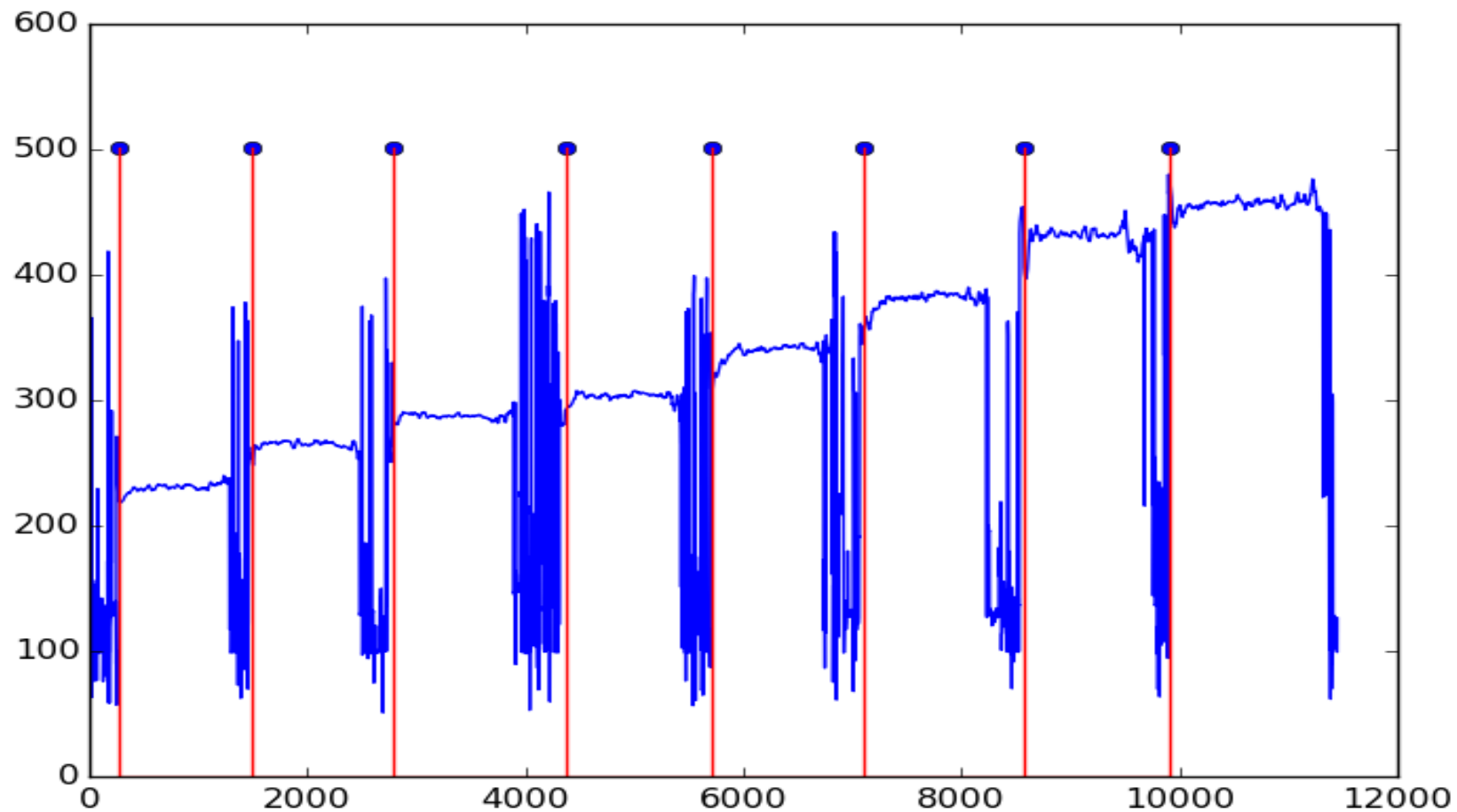


# SARGAM Note Deviation Indicator

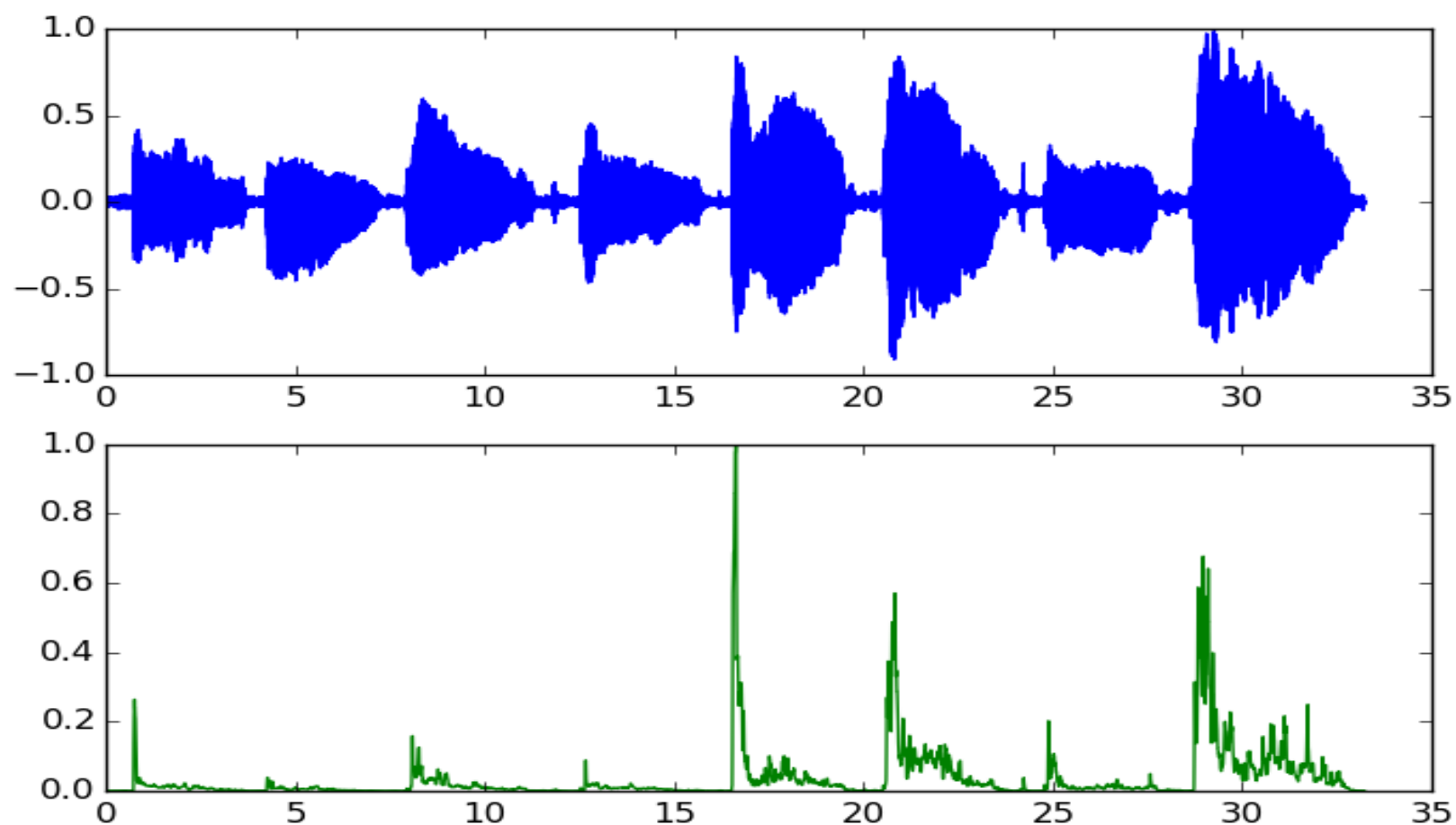
# Sequence of Notes



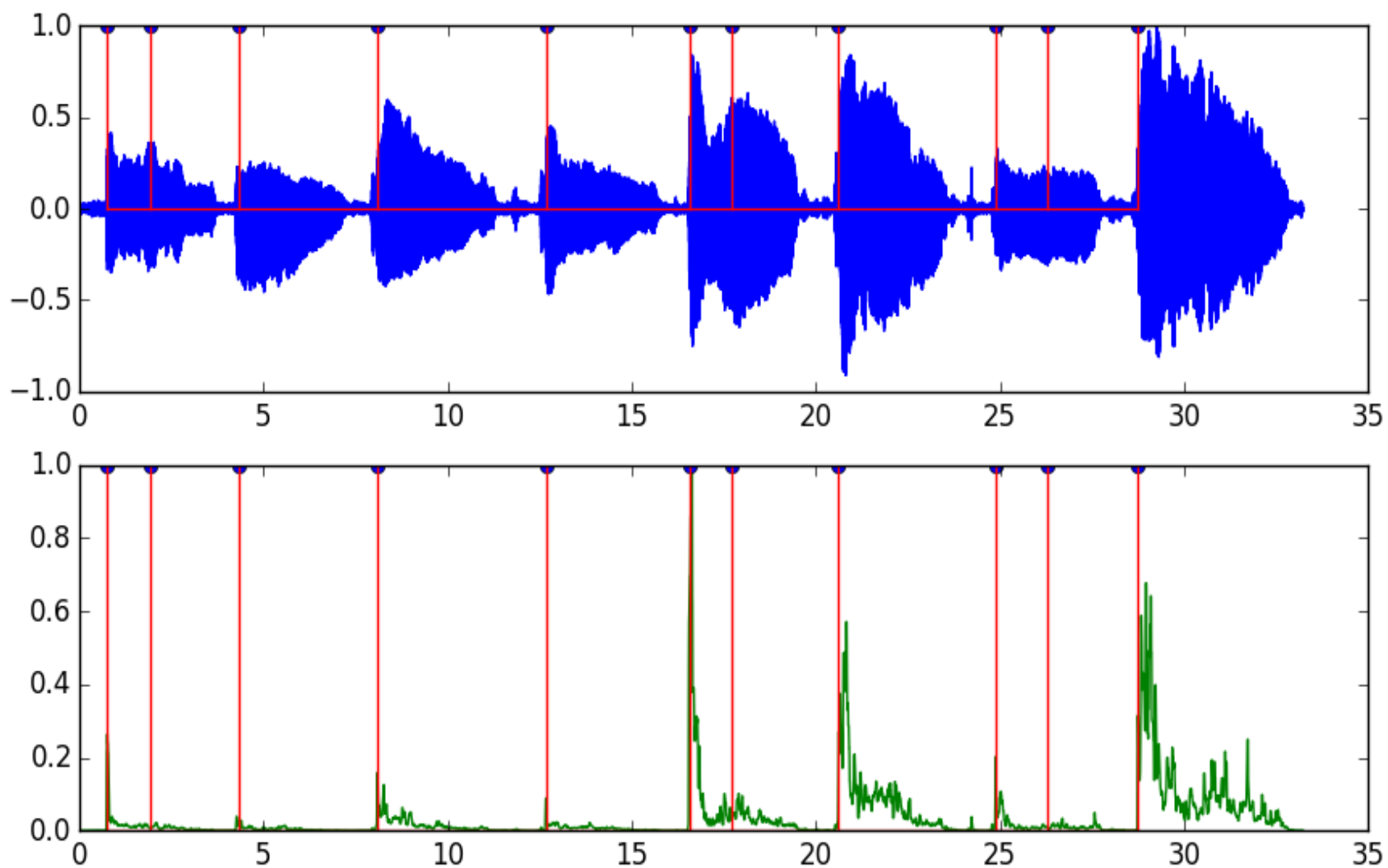
# Identifying out of tune notes

<b>Pure Tuning Shruti Name</b>	<b>Pure Tuning Ratios &amp; Fractions 12 of 22 tones (Closest to ET)</b>	<b>Pure Tuning Cents of 12 closest tones</b>
SA	1.0000	0000
re	$1.0666 = 16/15$	111.308
RE	$1.125 = 9/8$	203.910
ga	$1.2 = 6/5$	315.641
GA	$1.25 = 5/4$	386.314
ma	$1.333 = 4/3$	498.043
MA	$1.406 = 45/32$	590.224
PA	$1.5 = 3/2$	701.995
dha	$1.6 = 8/5$	813.686
DHA	$1.666 = 5/3$	884.357
ni	$1.8 = 9/5$	1017.596
NI	$1.875 = 15/8$	1088.269
SA	2.0000	1200

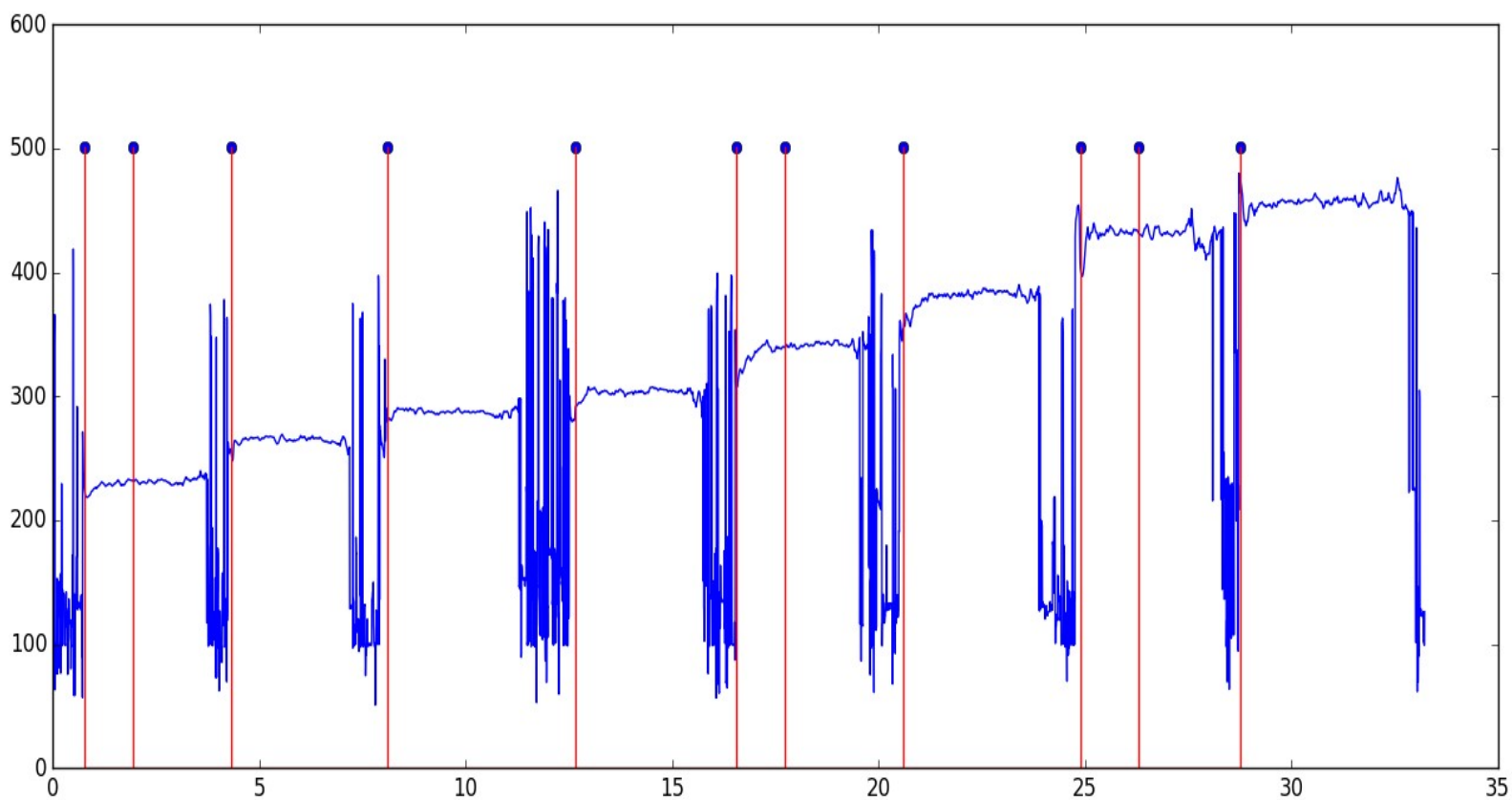
# Note onset detection



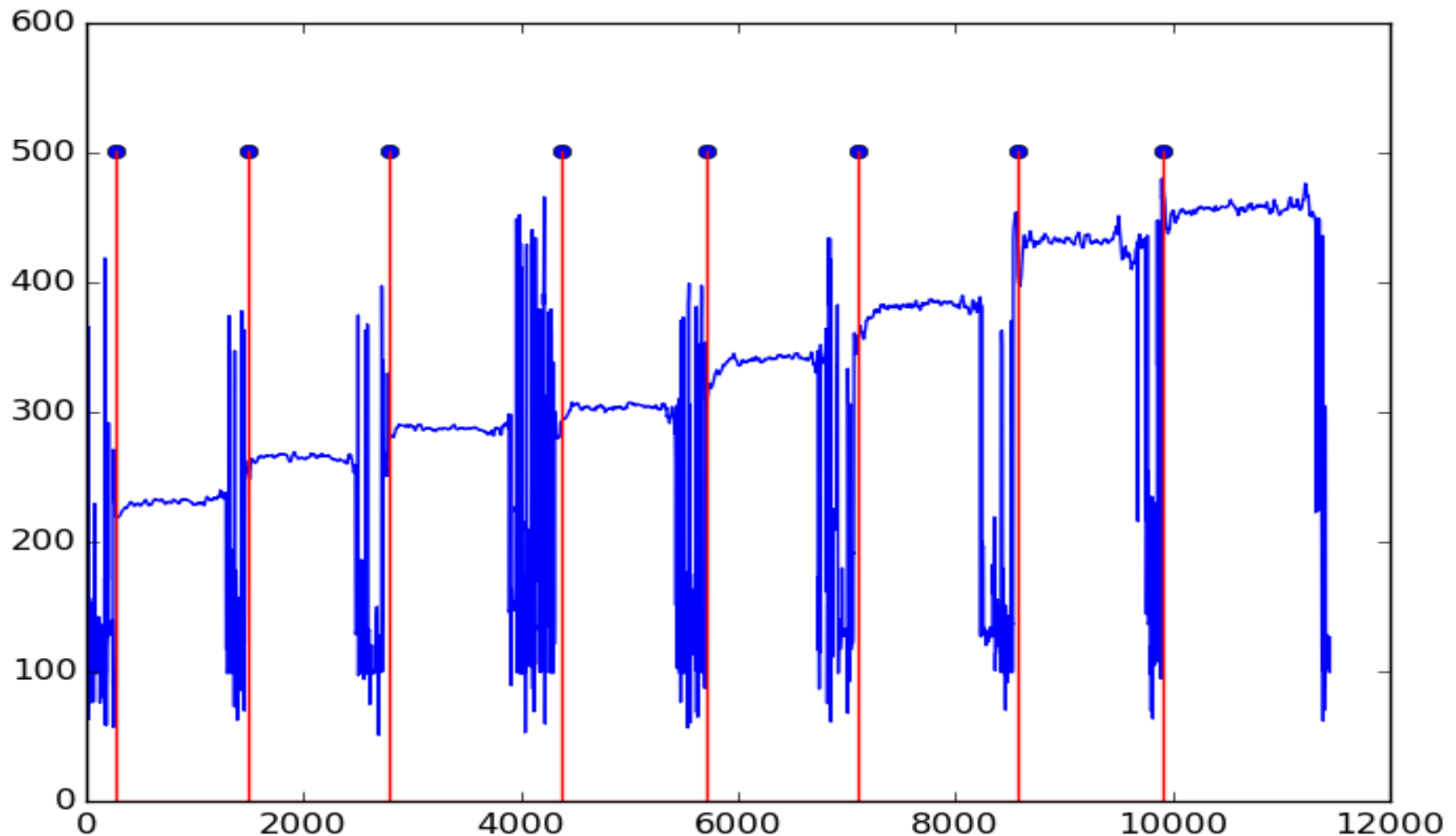
# Spurious Onsets



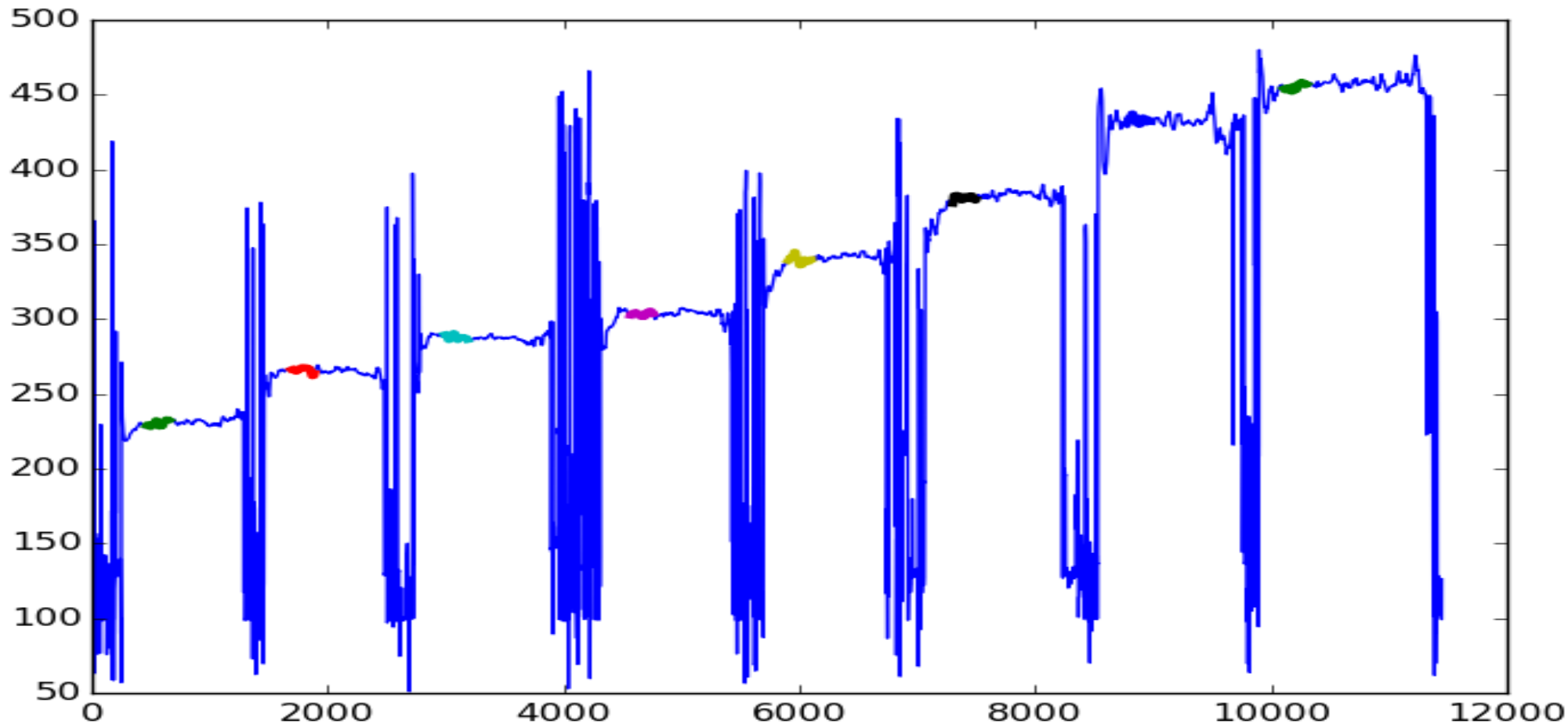
# Pitch as a secondary clue



True onsets = spectral change +  
pitch



# Pitch Detection from Stable Note Region





# Note Deviation Plot in Cents

