

## Report

Project: 1958\_Augusto Camacho/Água da Fonte

Key (Global - All Beats): ('b', 'min')

Key (Section 2 Only): ('b', 'min')

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Computed median BPM: 33.31

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Beat-Synchronized HCF:

Pearson Correlation Coefficient (R): 0.7663

R-squared (R^2): 0.5873

P-value: 0.0000

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Frame-Level HCF:

Pearson Correlation Coefficient (R): 0.0198

R-squared (R^2): 0.0004

P-value: 0.0190

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Beat-Synchronized Chroma Comparison:

Pearson Correlation Coefficient (R): 0.7088

R-squared (R^2): 0.5024

P-value: 0.0000

Sum of Absolute Differences: 217.0180

Sum of Squared Differences: 98.0054

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Sensory Dissonance and Tonal Dissonance:

Pearson Correlation Coefficient (R): 0.2444

R-squared (R^2): 0.0597

P-value: 0.0234

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Tonal Dispersion (Audio vs. Ground Truth):

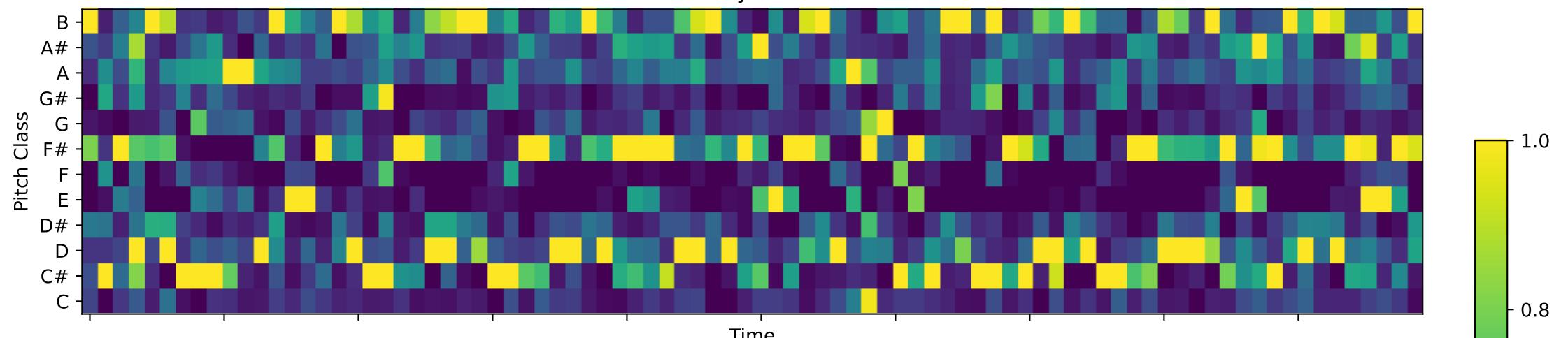
Pearson Correlation Coefficient (R): 0.7933

R-squared (R^2): 0.6294

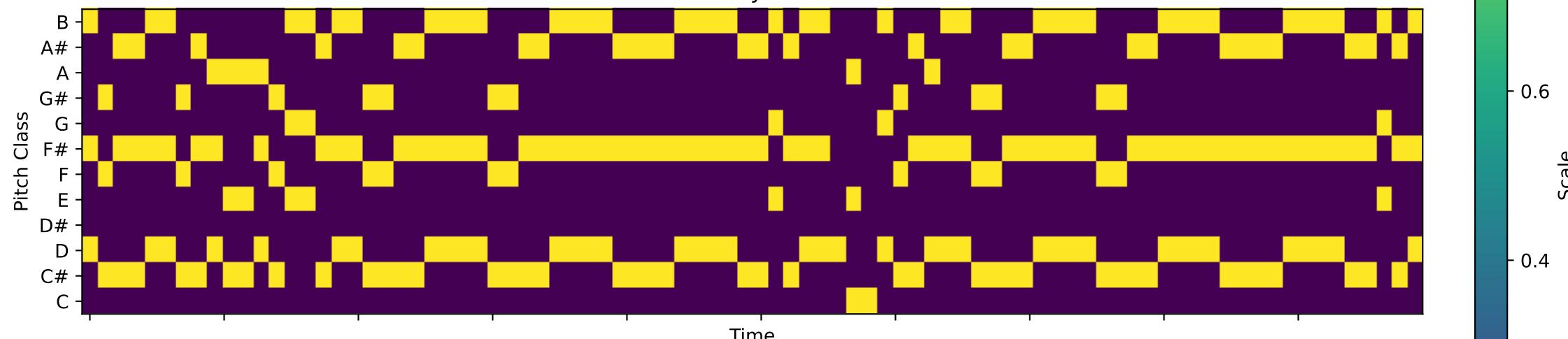
P-value: 0.0000

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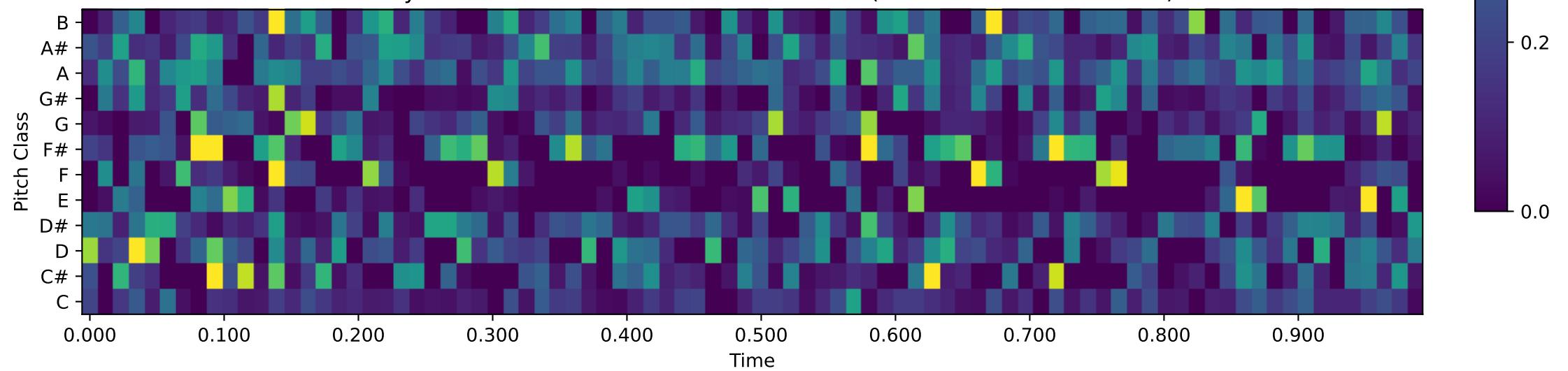
Calculated Beat-Synchronized Chroma



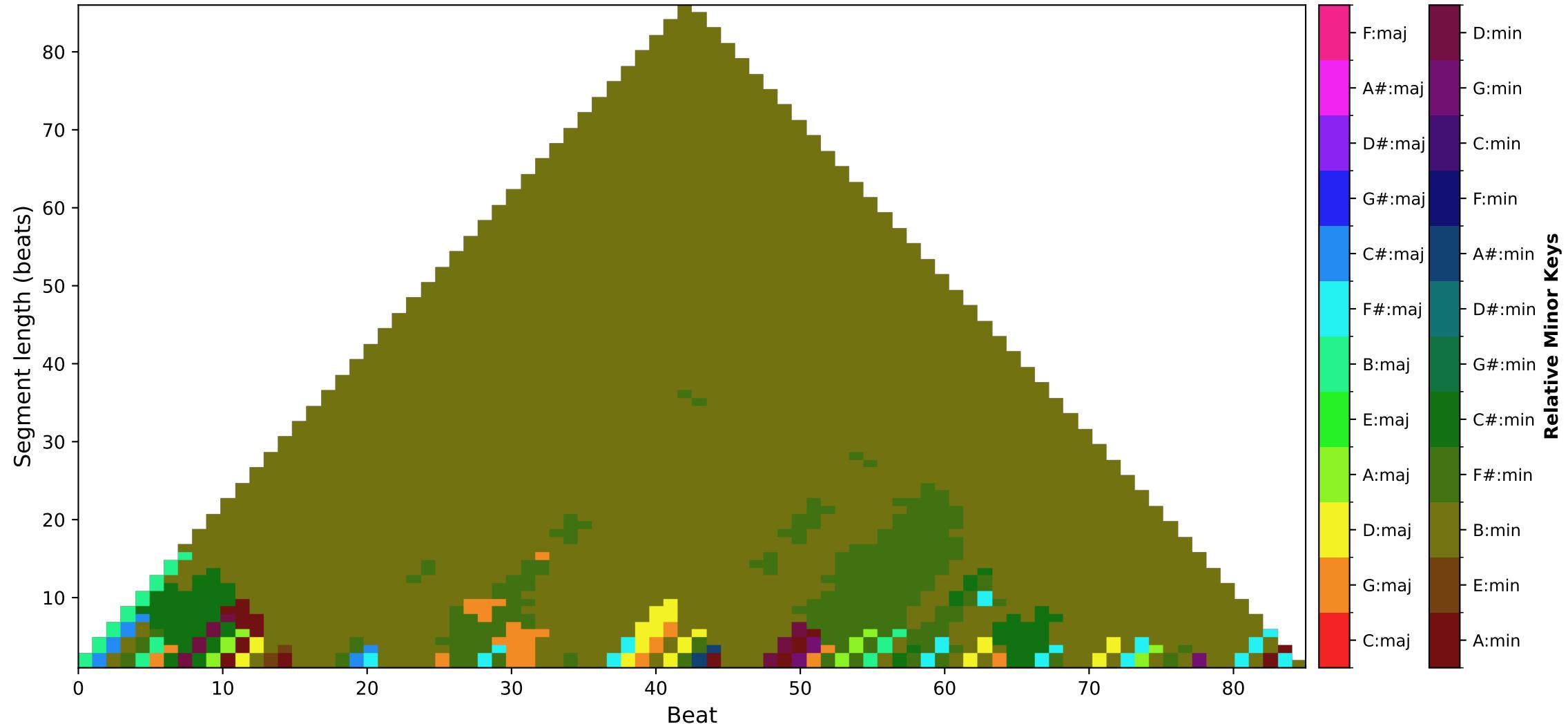
Ground Truth Beat-Synchronized Chroma



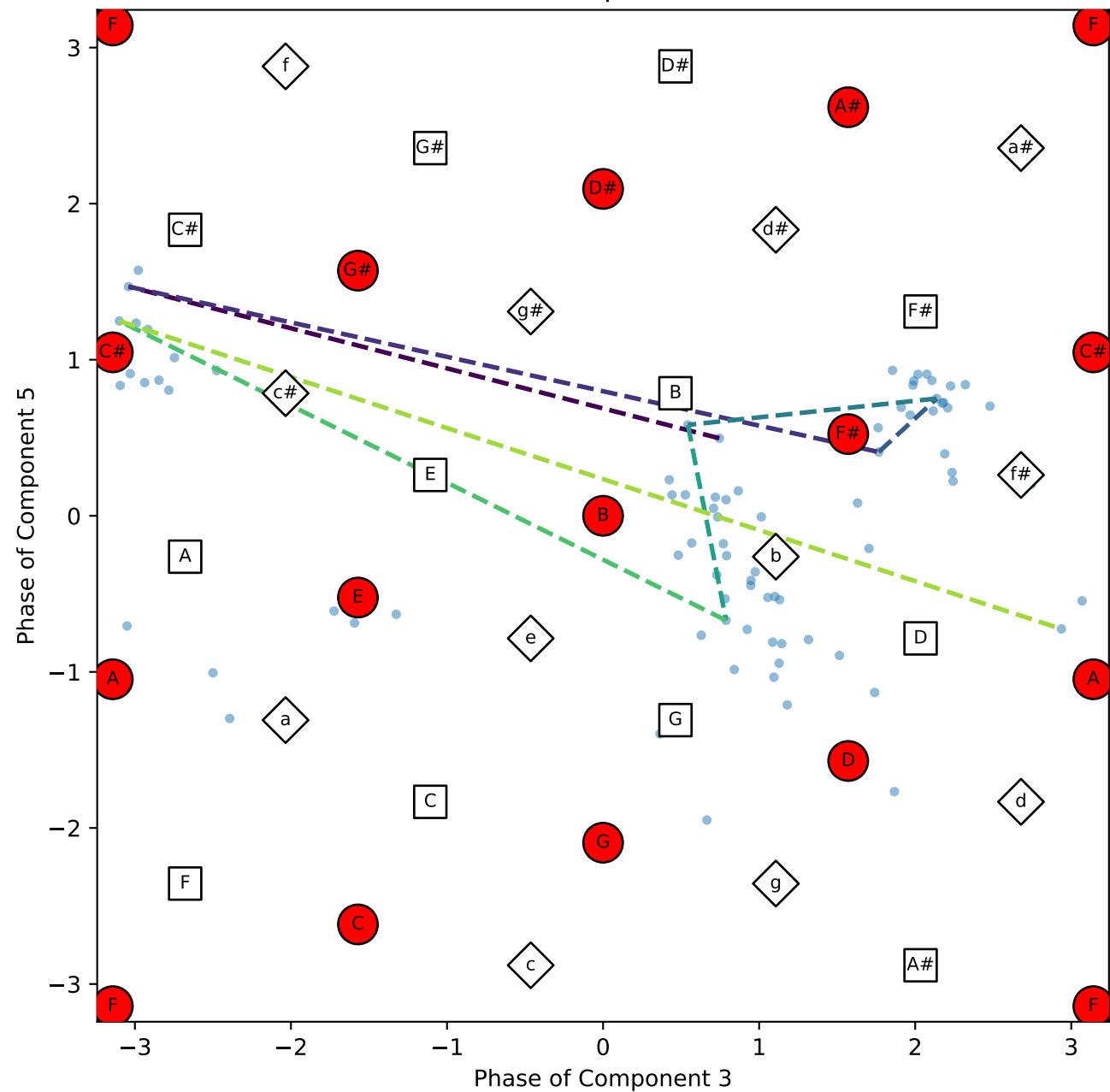
Beat-Synchronized Chroma Absolute Difference (Calculated - Ground Truth)



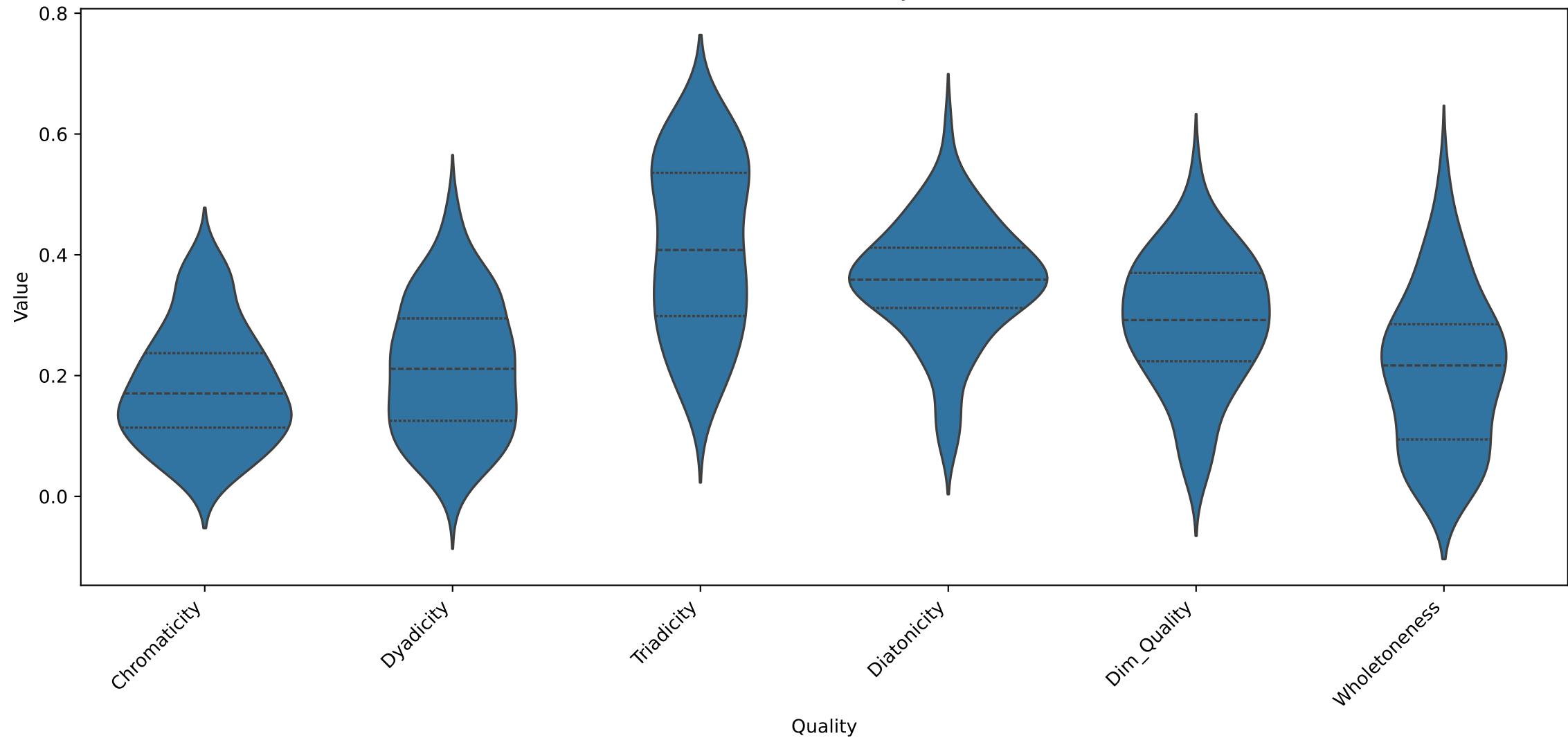
# Keyscape



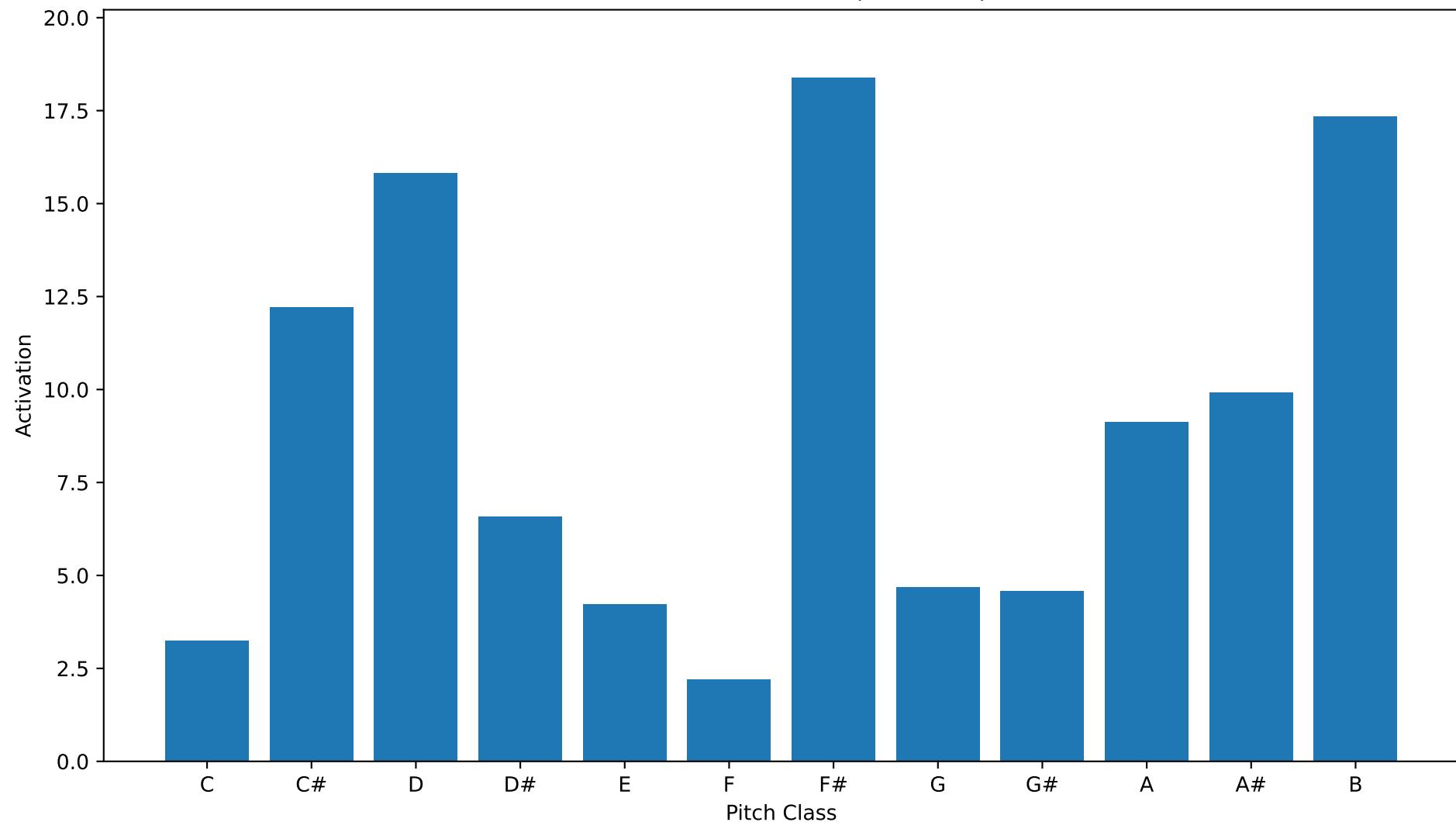
# Tonnetz Phase Space (center: B)

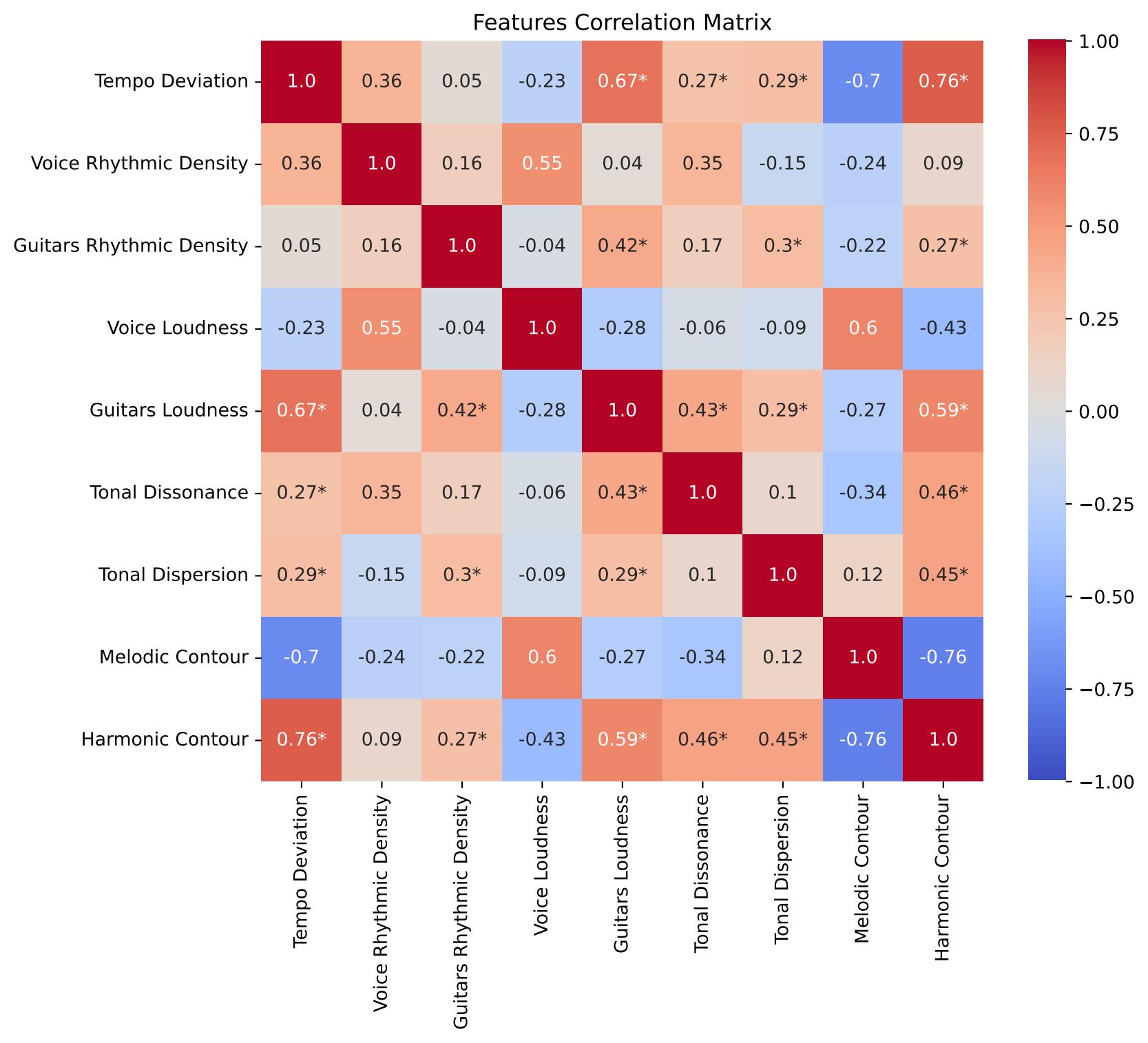


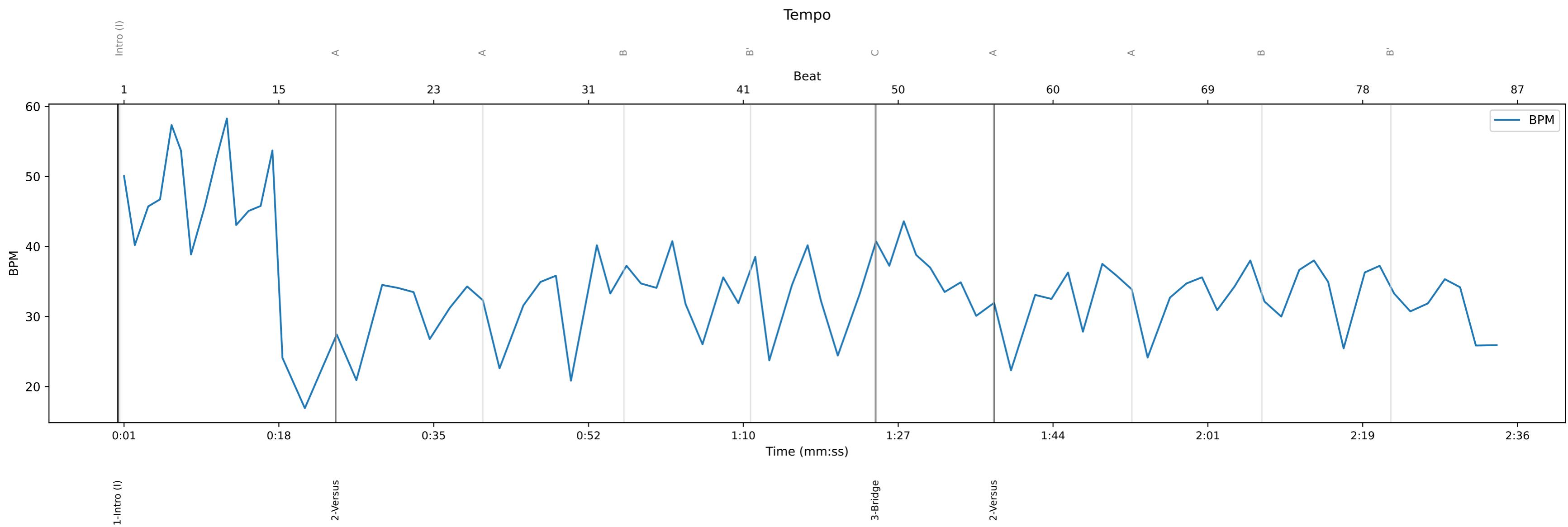
### Distribution of Tonal Qualities

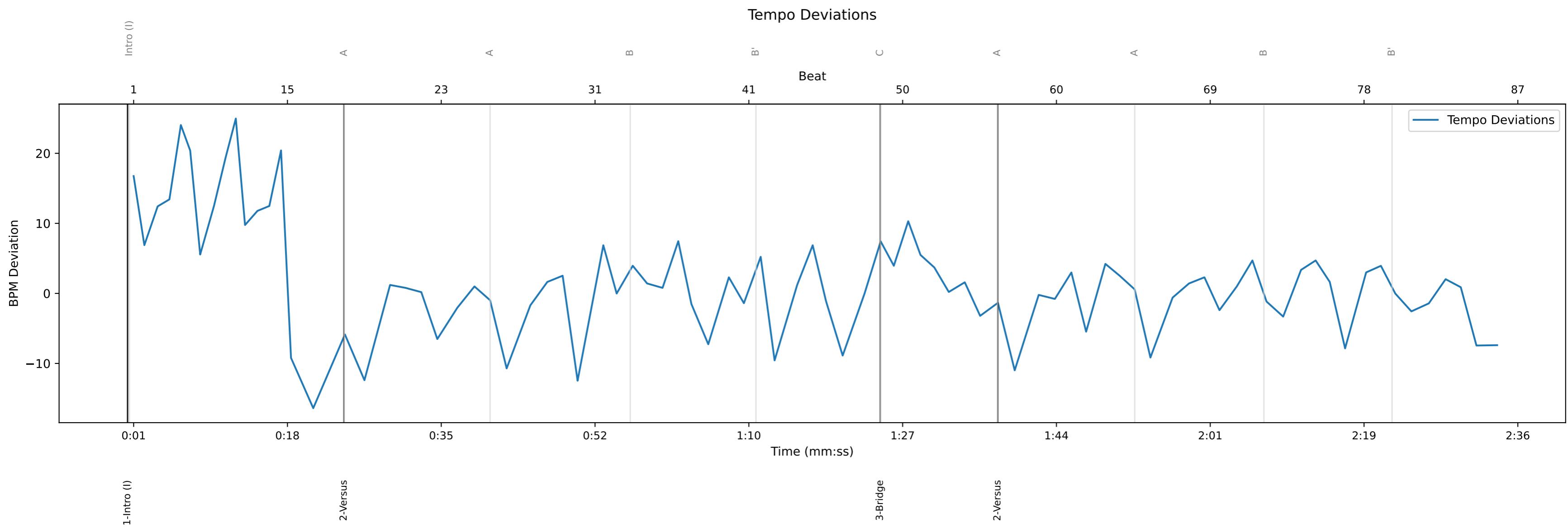


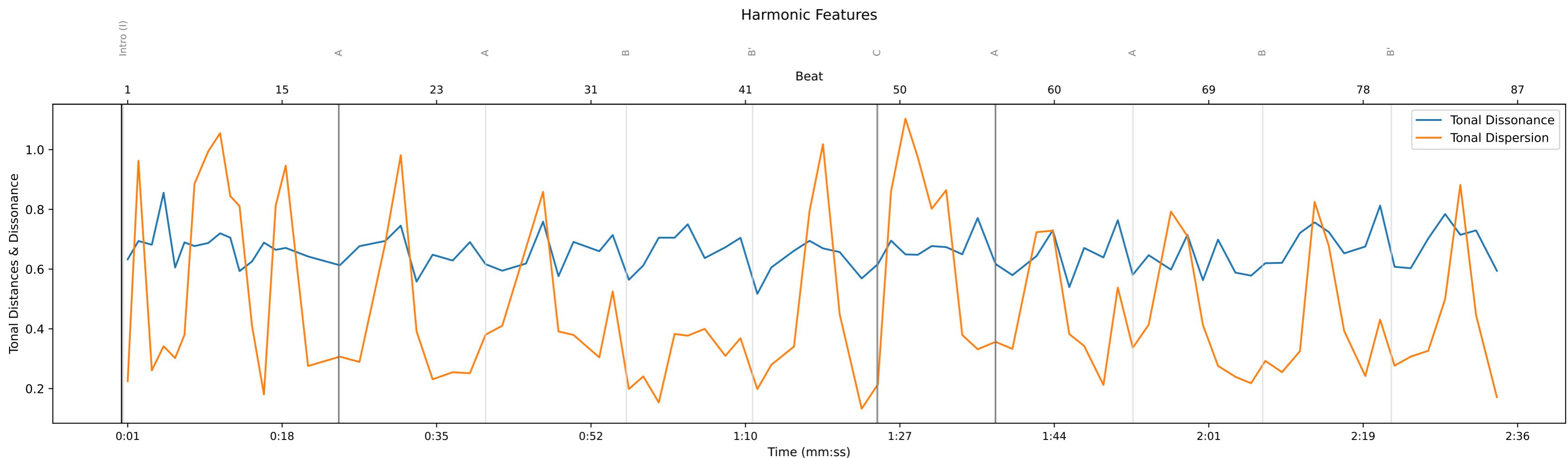
## Global Chroma Vector (Section 2)









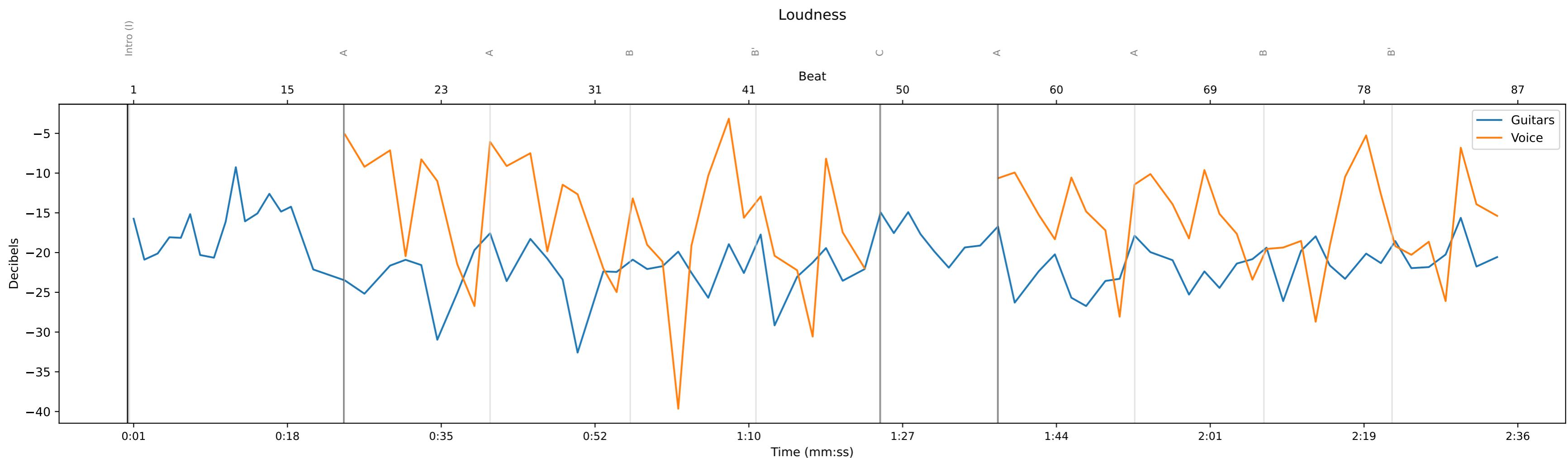


1-Intro (I)

2-Versus

3-Bridge

2-Versus

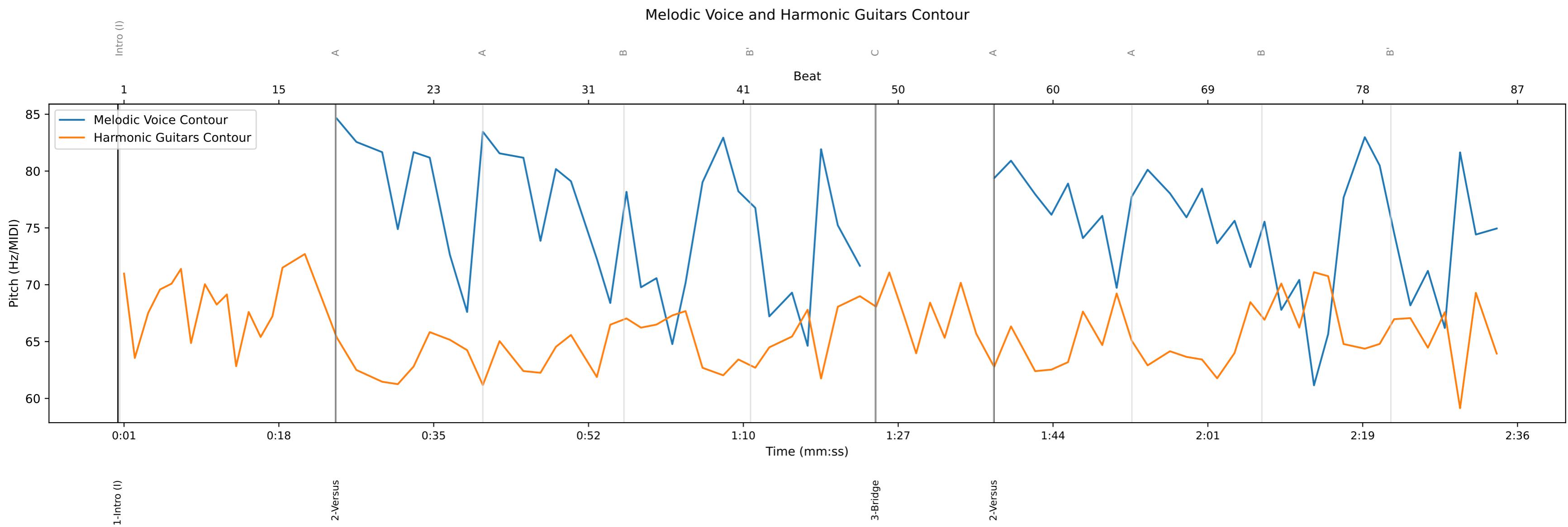


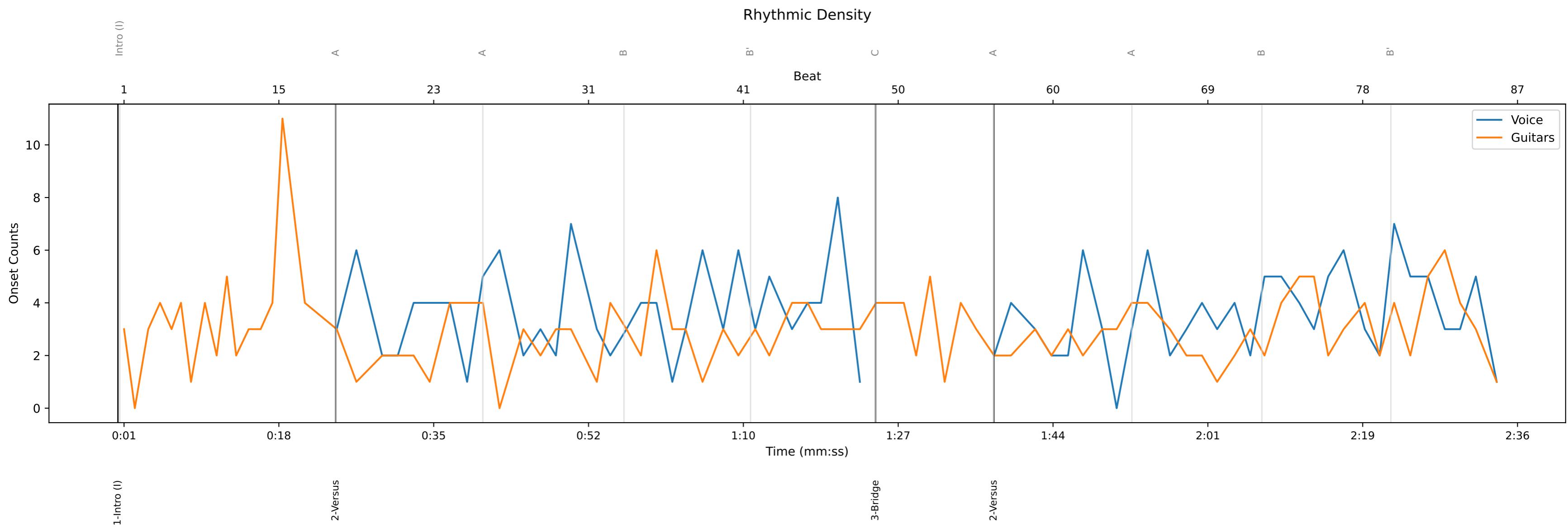
1-Intro (I)

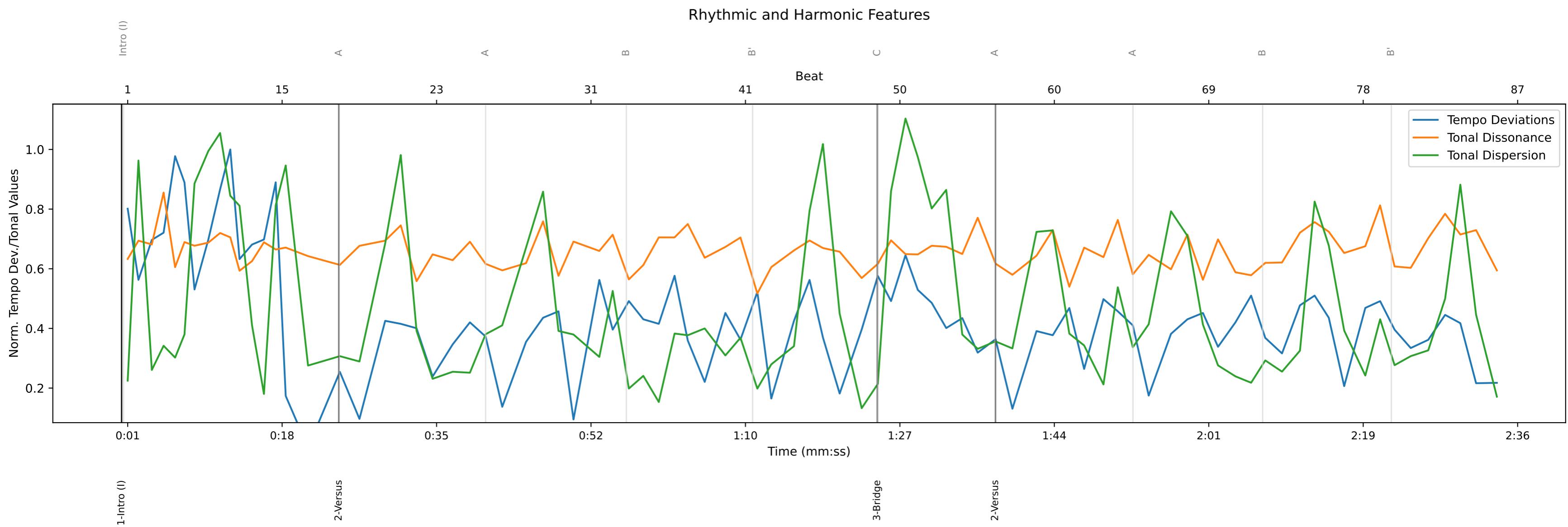
2-Versus

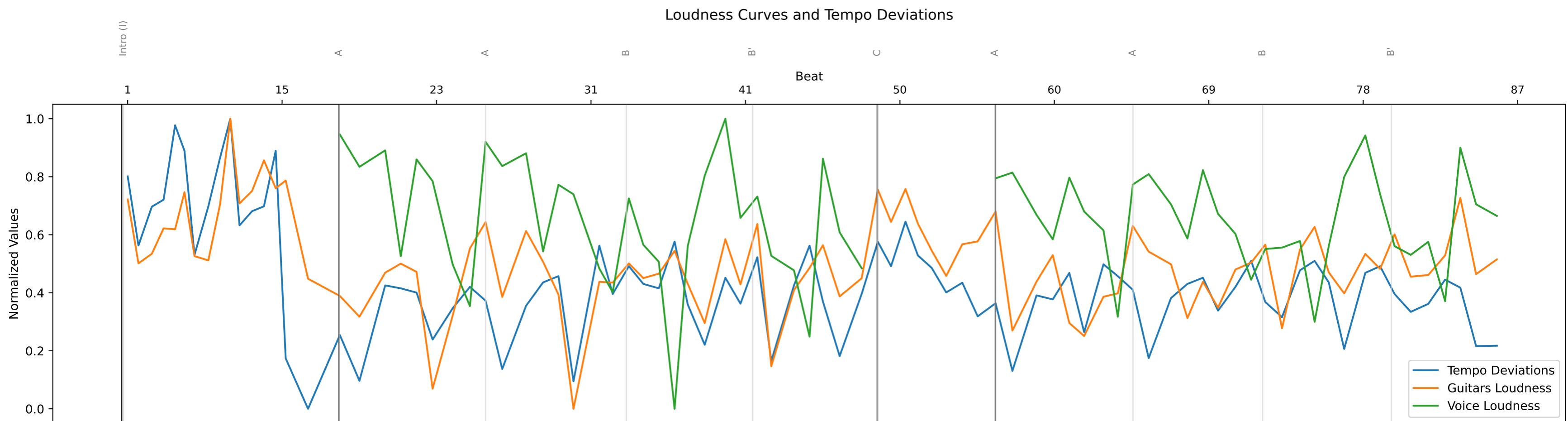
3-Bridge

2-Versus

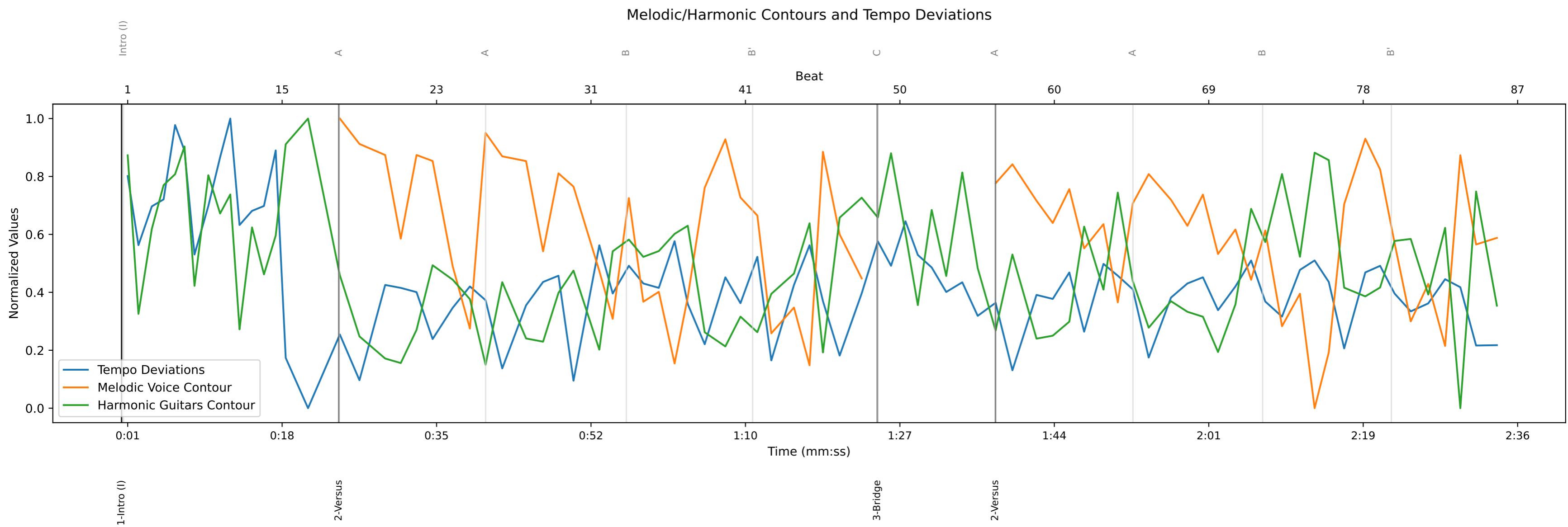


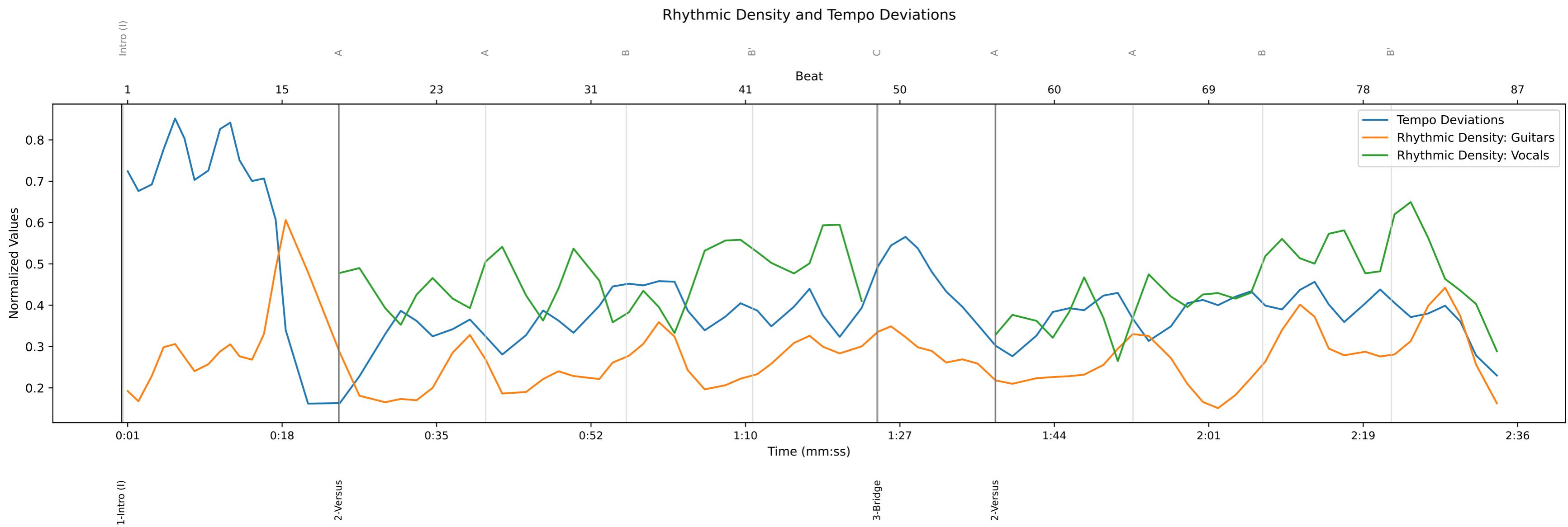


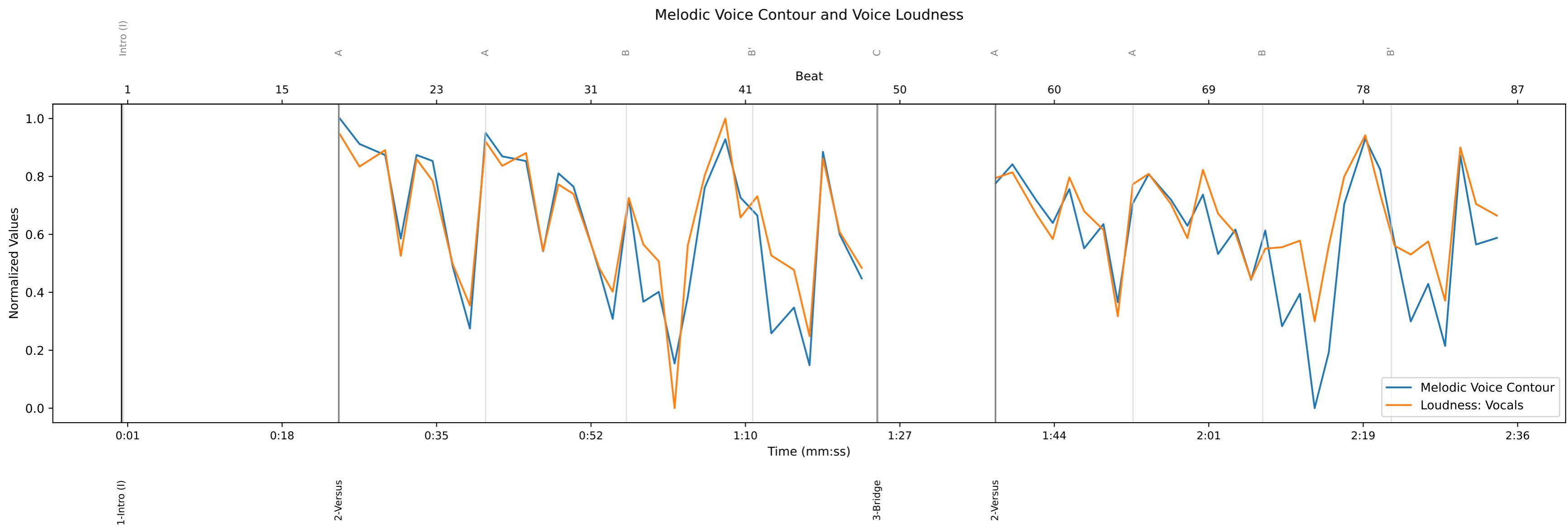




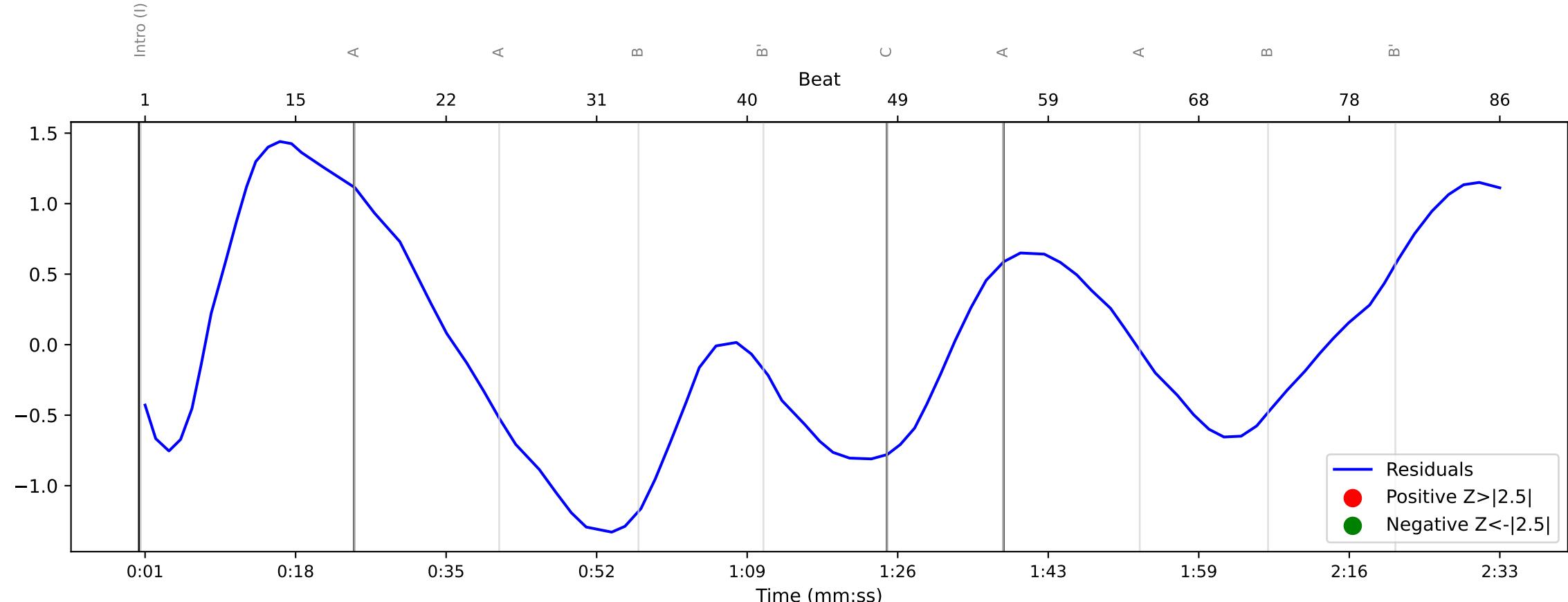
1-Intro (l)  
2-Versus  
A  
A  
B  
Beat  
C  
A  
B  
B'  
3-Bridge  
2-Versus  
A  
B' 87







# Tempo Deviation vs. Guitars Loudness (EMD Corr: 0.67)



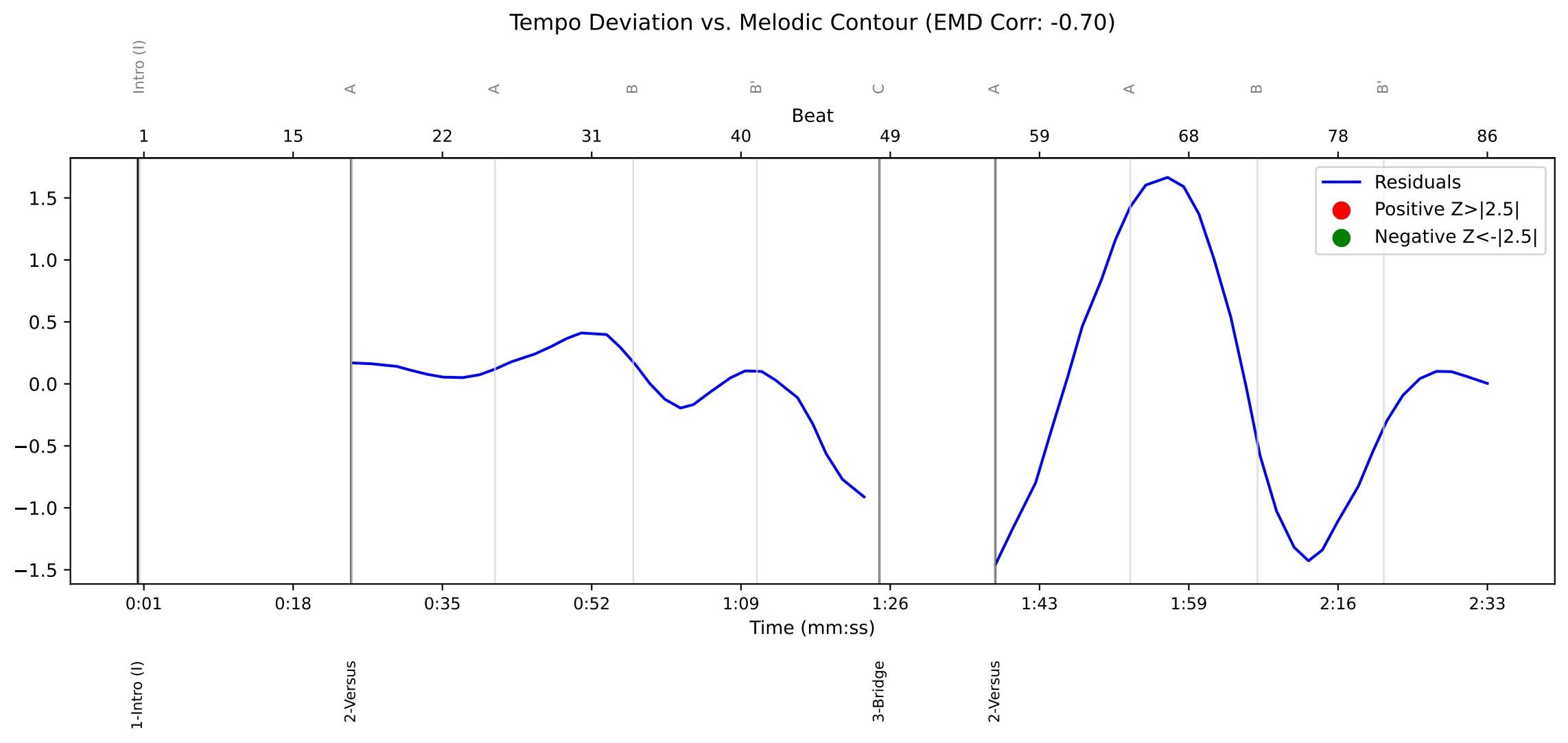
1-Intro ()

2-Versus

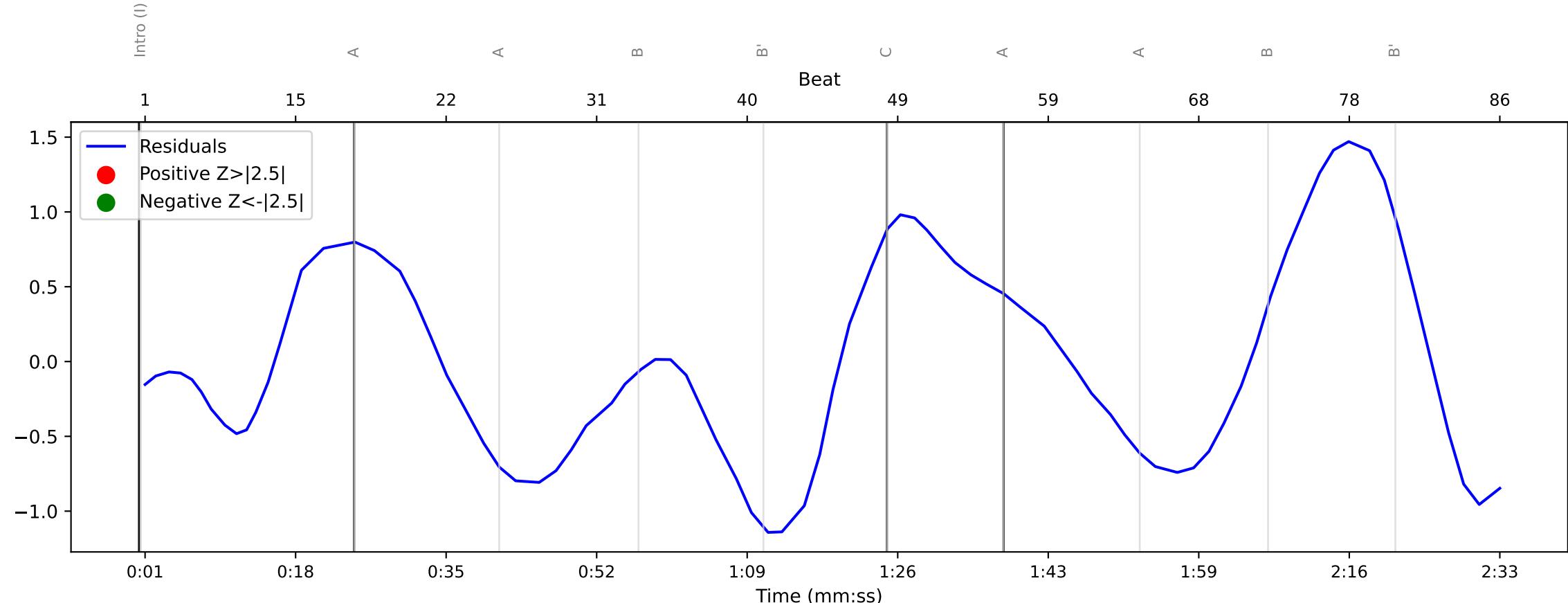
3-Bridge

2-Versus

# Tempo Deviation vs. Melodic Contour (EMD Corr: -0.70)



# Tempo Deviation vs. Harmonic Contour (EMD Corr: 0.76)



1-Intro (I)

2-Versus

3-Bridge

2-Versus

# Melodic Contour vs. Harmonic Contour (EMD Corr: -0.76)

