





Multimedia

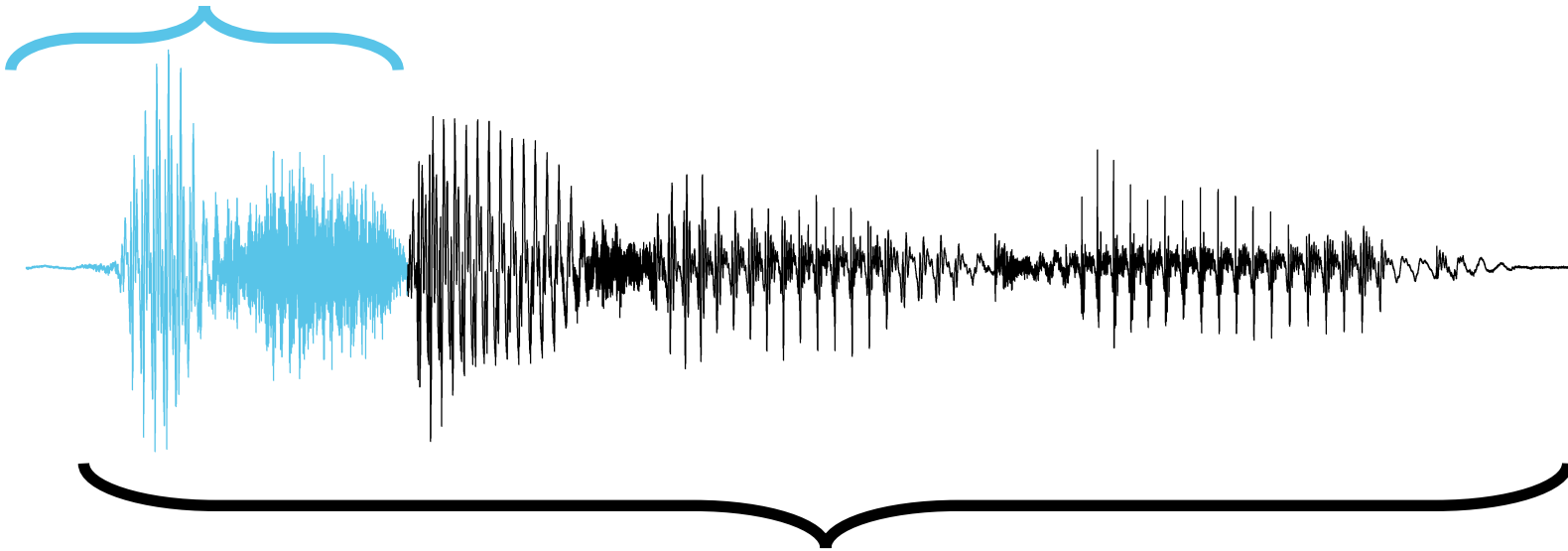
“Speech: It’s Not as Acoustic as You Think”

(1) Elliptical speech

-  1. “His tlan neant tating a did rist” in quiet
 -  2. “His tlan neant tating a did rist” in speech-spectrum noise +5 dB signal-to-noise ratio
 -  3. “His tlan neant tating a did rist” in speech-spectrum noise 0 dB signal-to-noise ratio
 -  4. “His tlan neant tating a did rist” in speech-spectrum noise -5 dB signal-to-noise ratio
- As the signal-to-noise ratio gets lower, there is an increased likelihood to hear the sentence as the more well-formed “His plan meant taking a big risk”

(2) Words out of context

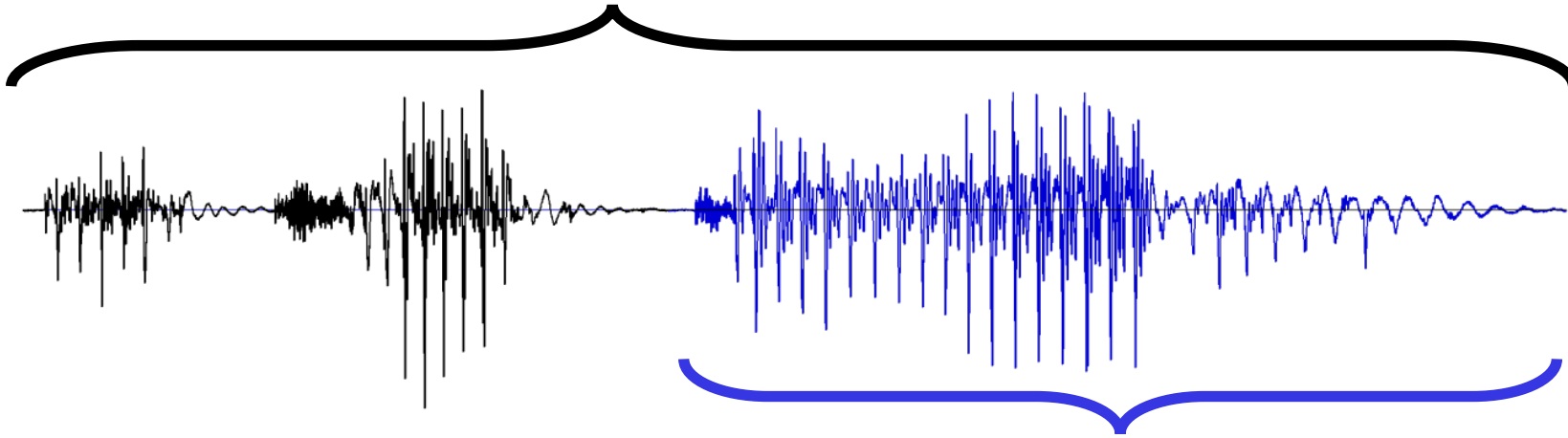
1. “His” excerpted from the full sentence



2. “His shoes are untied” full sentence

(3) Words out of context

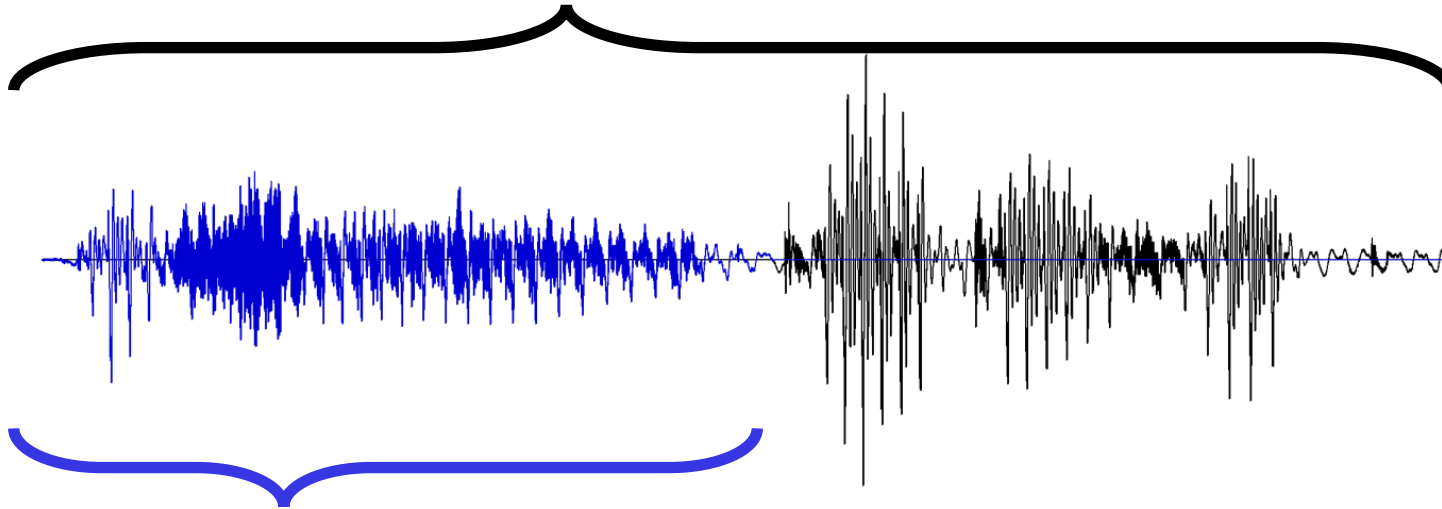
1. “I’ll talk to you later” full sentence



2. “to you later”
excerpted from the full sentence

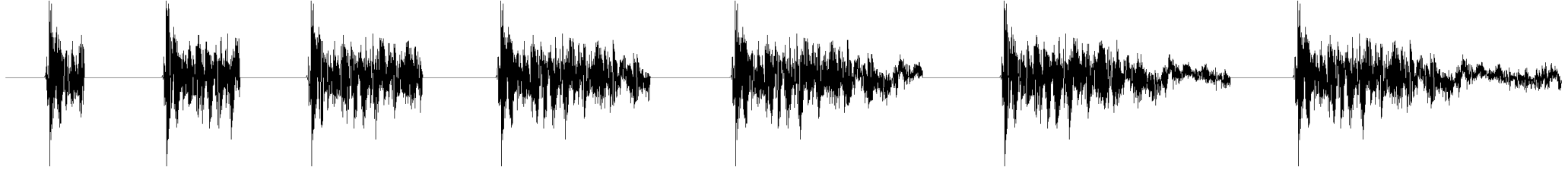
(4) Words out of context

1. “This is as good as it gets”



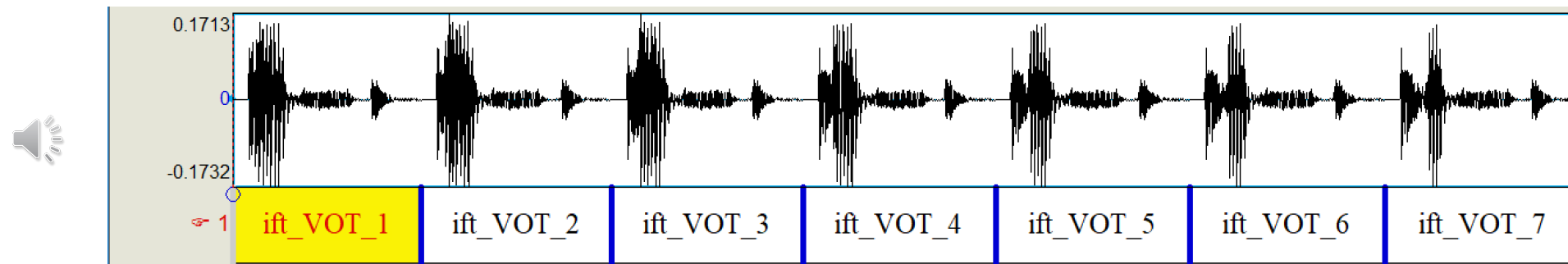
2. “This is as” excerpted from the full sentence

(5) /g/ - /k/ phonetic continuum in different contexts

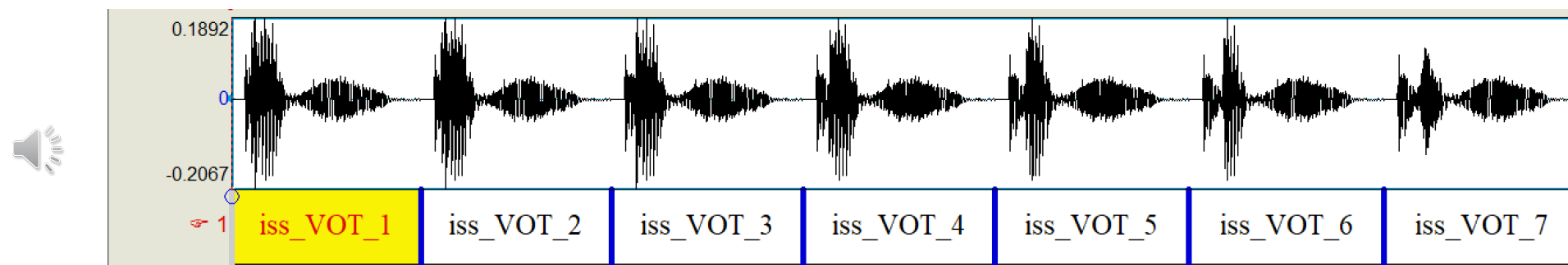


- 1. 7-step /g/ - /k/ continuum, differing by duration of the consonant burst and aspiration.
The durations of each segment are 5, 17, 28, 40, 52, 63 and 75 milliseconds long.
- 2. First context: the syllable “ift”
- 3. Second context: the syllable “iss”

(5) /g/ - /k/ phonetic continuum in different contexts



- 4. The /g/ - /k/ continuum blended into the context “ift”
- 5. Accompanying Praat TextGrid for sound 4
(can be viewed in the open-source Praat software together with the sound, to let the listener more easily hear once word at a time)



- 6. The /g/ - /k/ continuum blended into the context “iss”
- 7. Accompanying Praat TextGrid for sound 6