

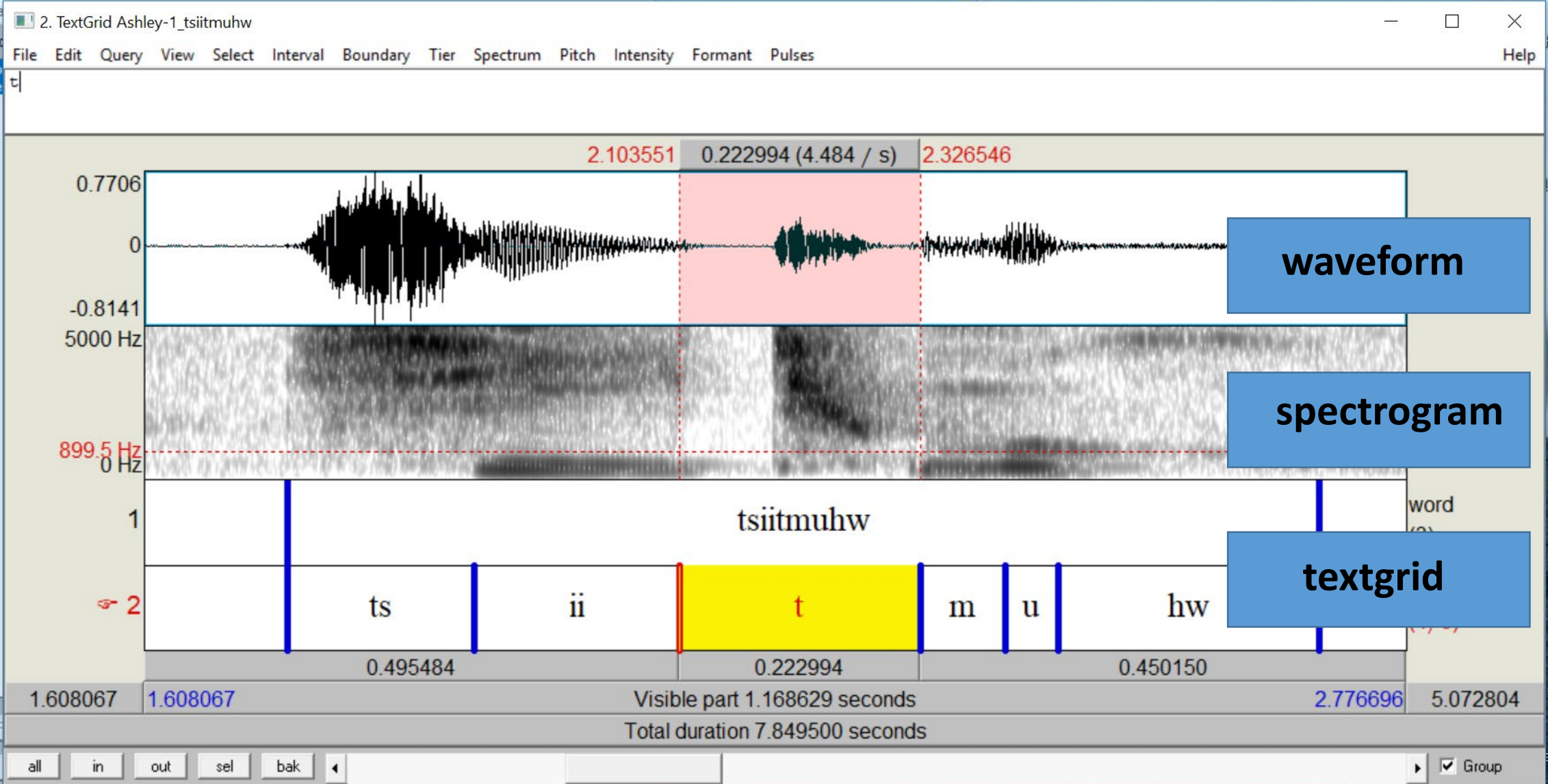
# Using Praat

Exploring consonant and vowel acoustics

Sonya Bird – LING 830 (SFU)

August 2018

# Praat displays

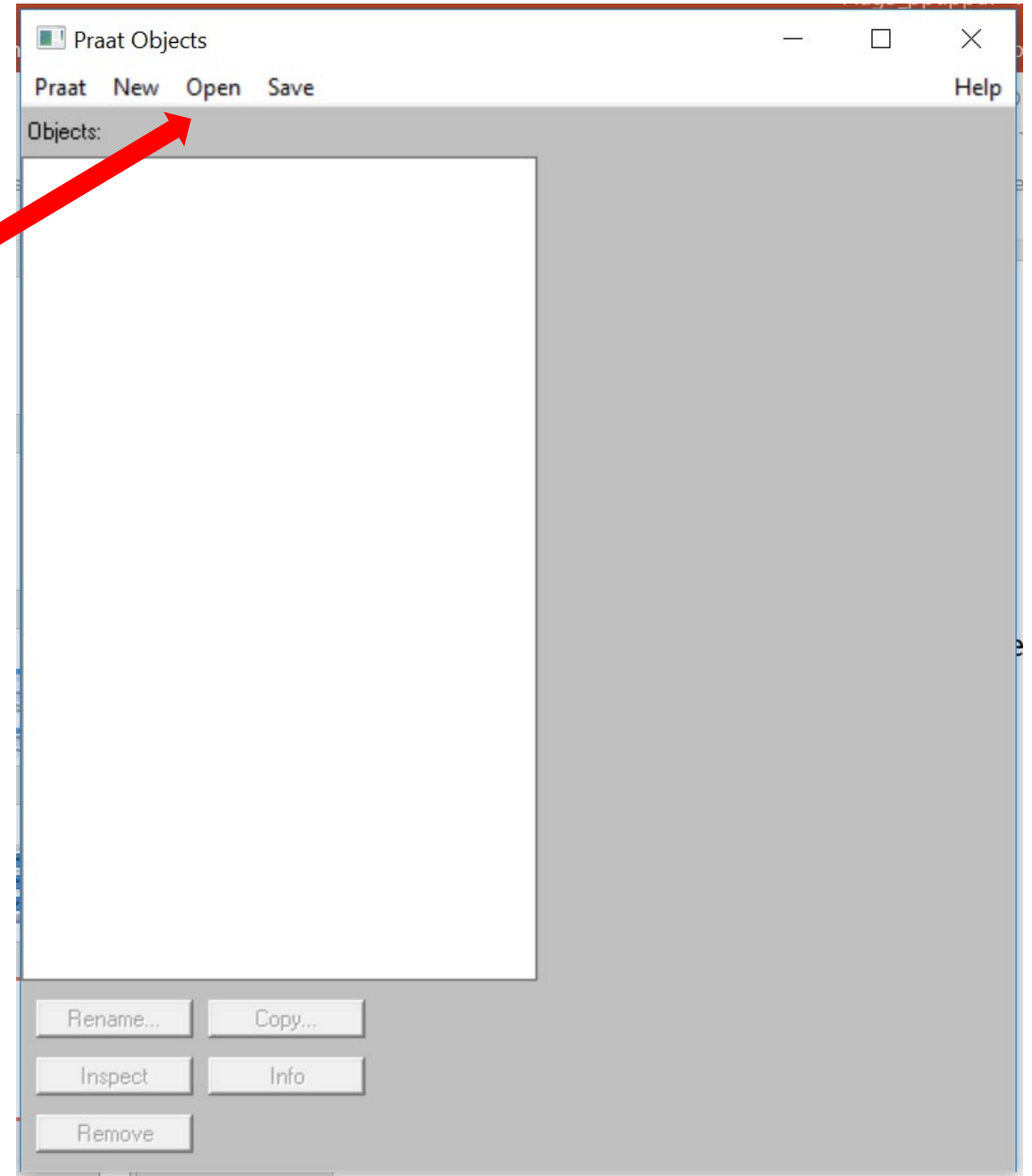


# Some things to notice

- Manners of articulation:
  - Affricate /ts/ = stop /t/ + fricative /s/
  - Vowel
  - Stop /t<sup>h</sup>/
    - **Note release: aspiration ~ frication**
    - Compare with English 'bitmap': unreleased and glottalized
  - Nasal /m/
  - Vowel /u/
  - Fricative /hw/

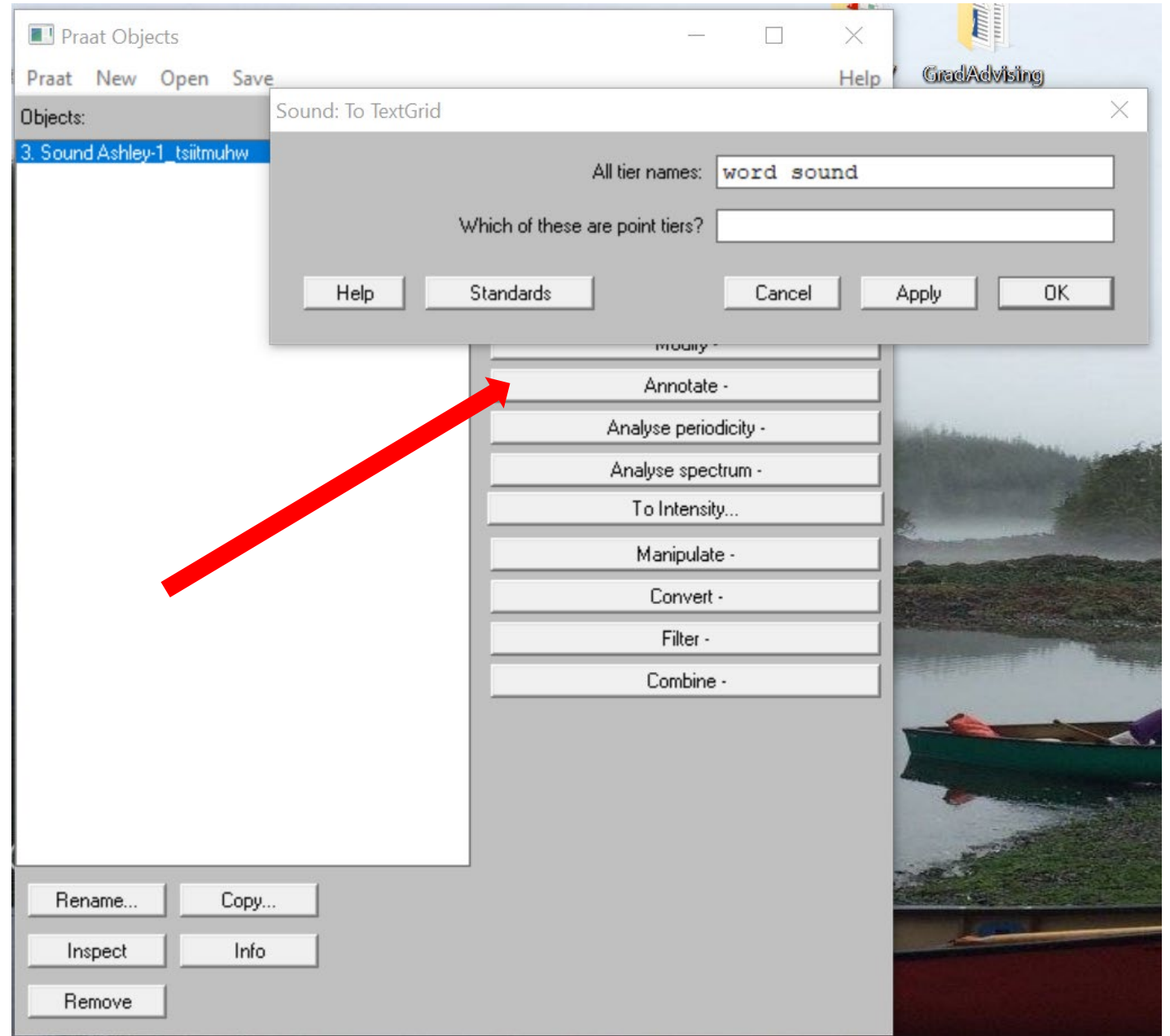
# Praat basics

- Opening sound files
  - Open Praat (pink lips)
    - Praat > Open > Read from file...



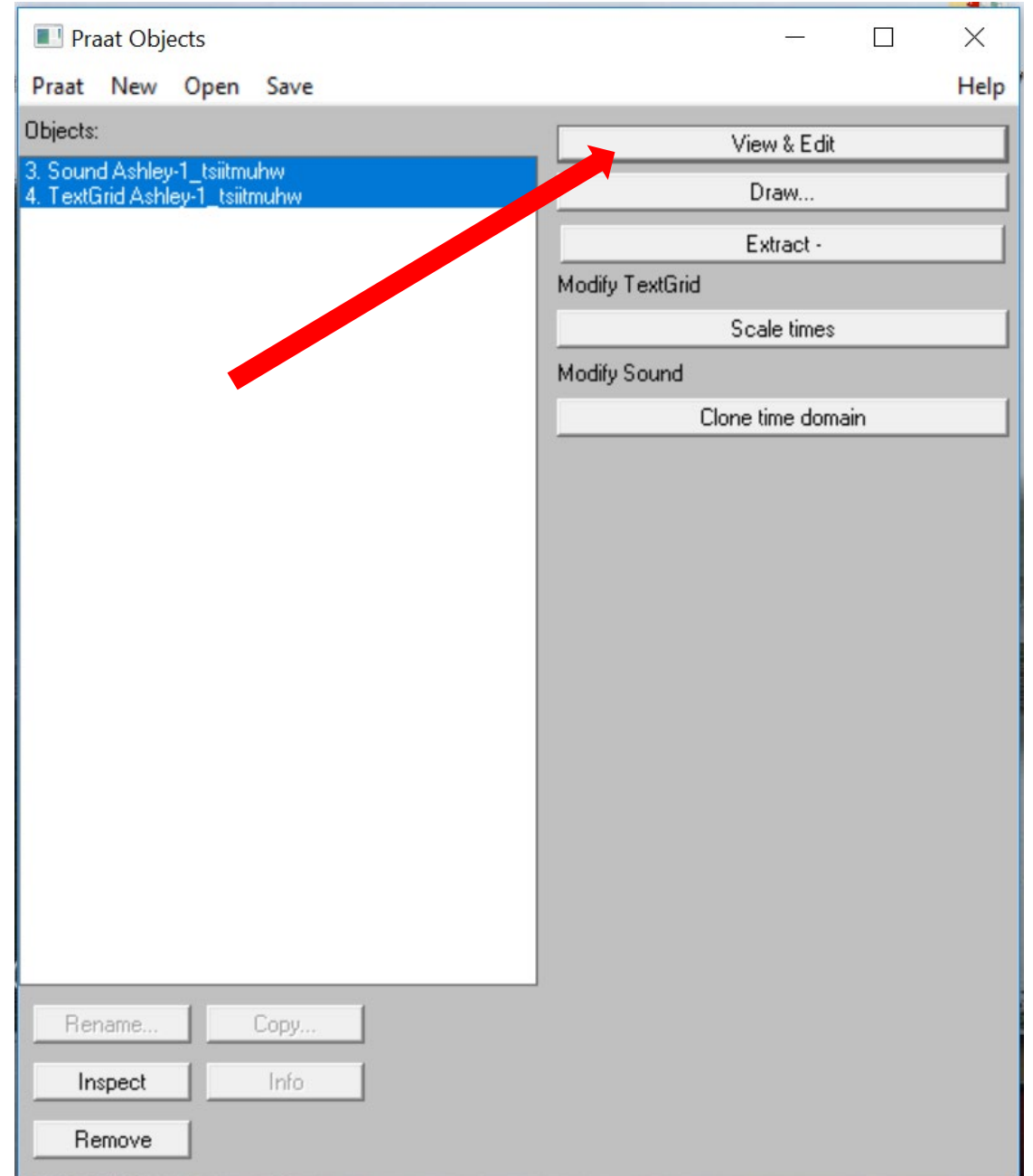
# Praat basics

- Creating a textgrid
  - Highlight the sound file
  - Annotate > To TextGrid...
  - All tier names: **word sound**



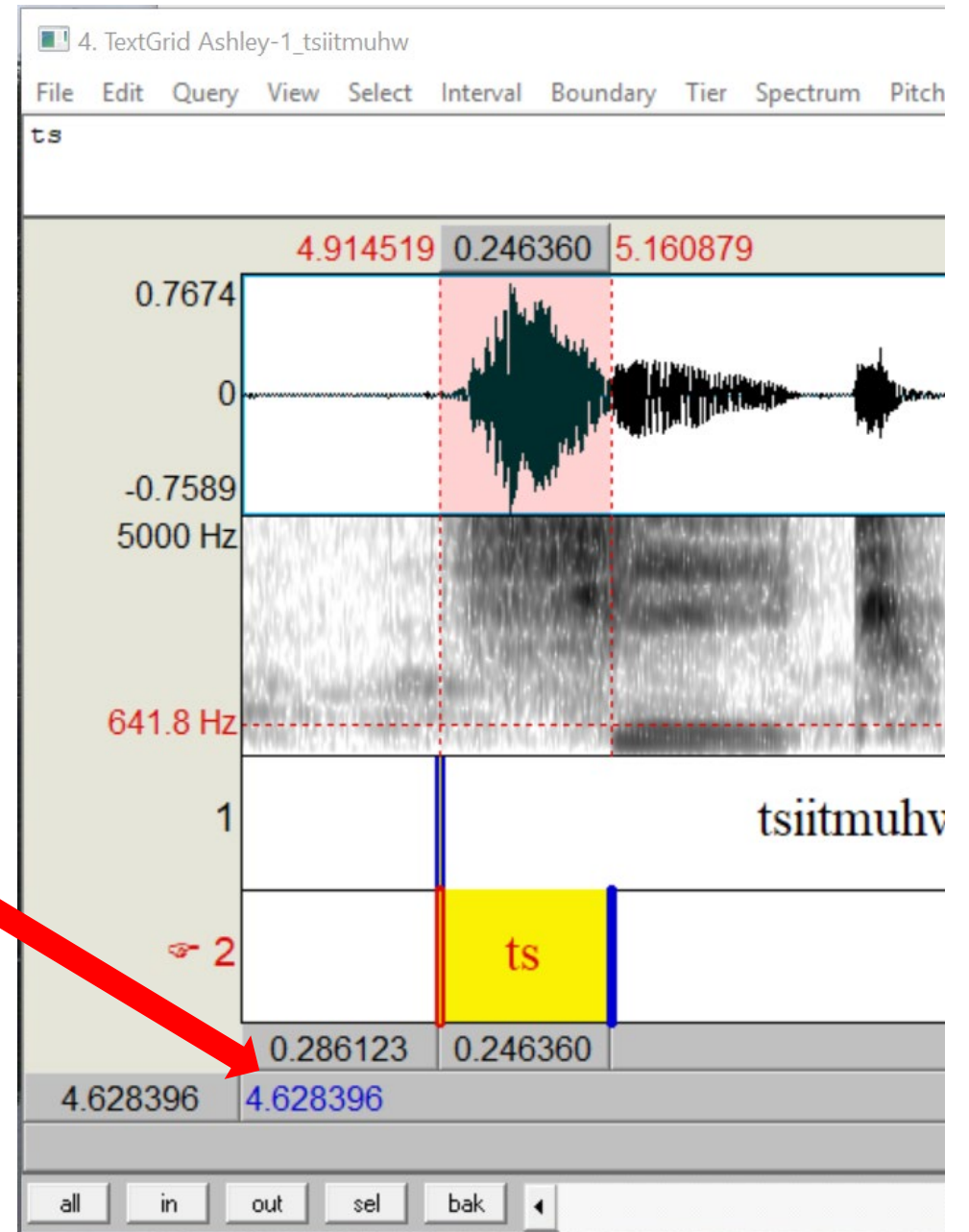
# Praat basics

- Opening a sound file + textgrid
  - Highlight both, using Shift or Ctrl



# Praat basics

- Listening to a sound file
  - Top bar: just the selected interval
  - Middle bar: sound file section displayed in the current window
  - Bottom bar: whole sound file



# Praat basics

- Marking up a textgrid
  - Place the cursor on the **spectrogram**, in the spot where you want to place a boundary
  - On the **textgrid**, circles will show up
  - Click in the circle to place a boundary
  - Use Alt + backspace to delete a boundary (if you make a mistake)

