

# Praat

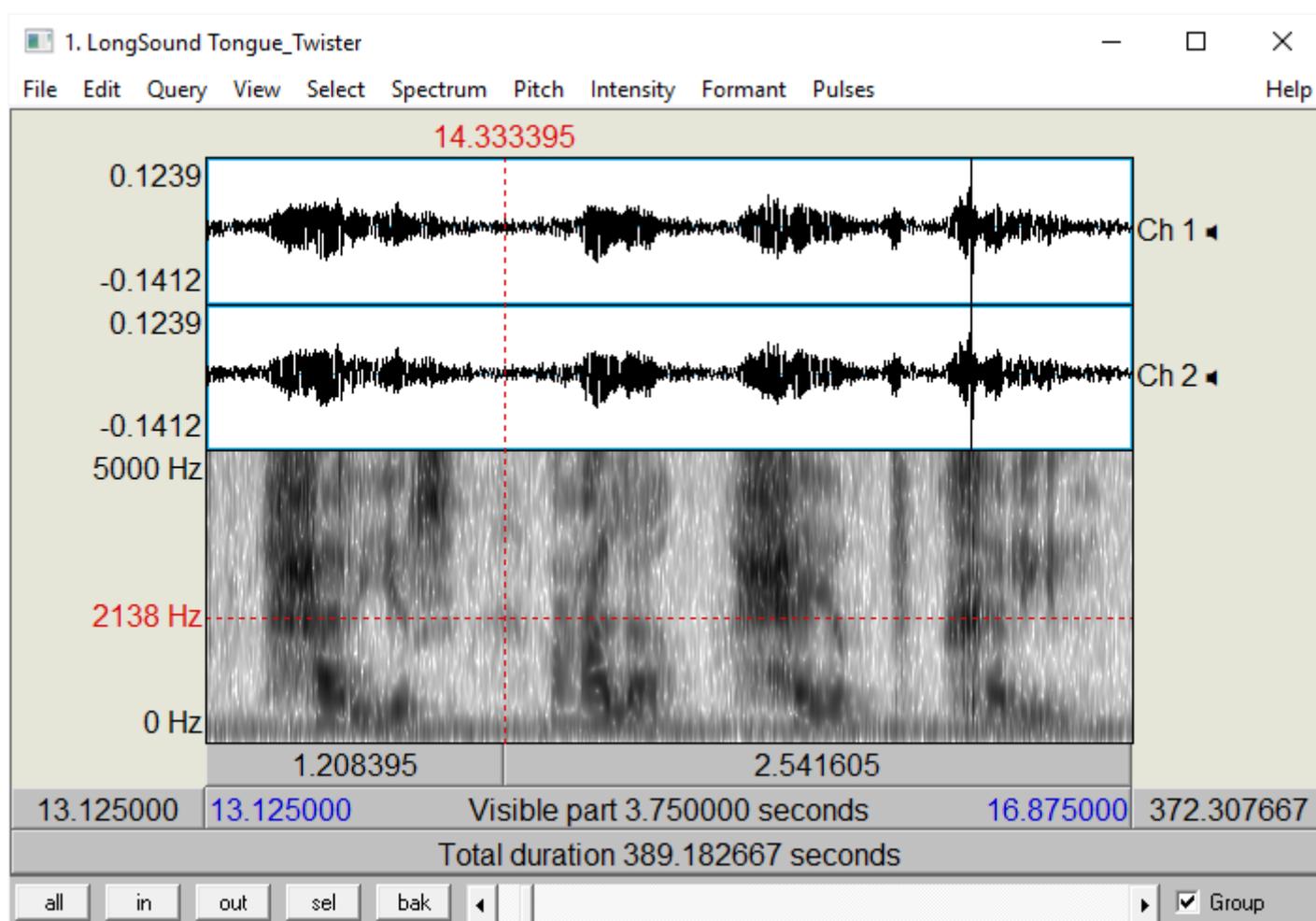
## Table of Contents:

- [Getting Started](#)<sup>[1]</sup>
- [Annotating a sound file](#)<sup>[2]</sup>
- [Creating a vowel chart](#)<sup>[3]</sup>

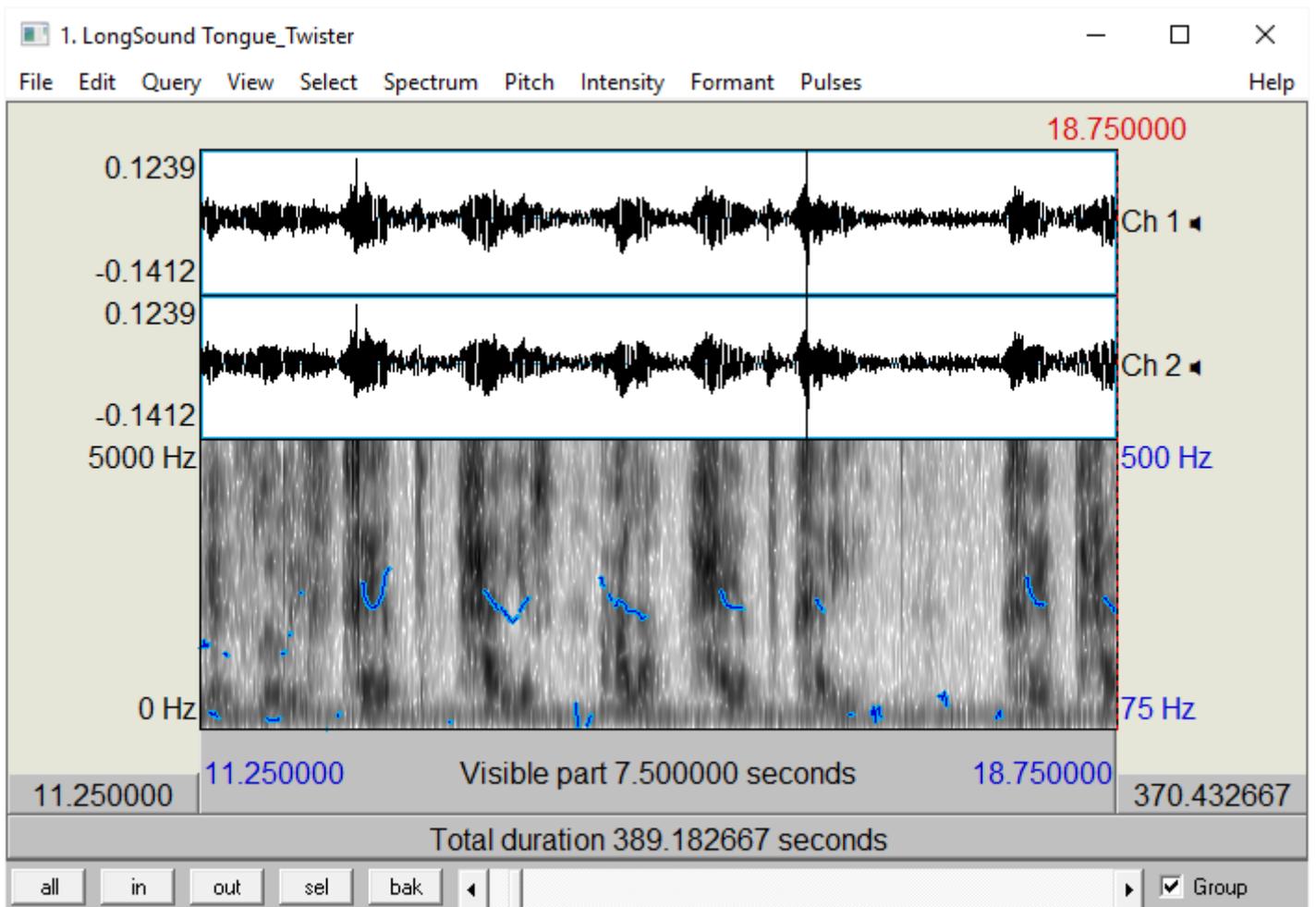
## About Praat:

Praat is a free, cross-platform software for analyzing, synthesizing, and manipulating speech sounds. It is available for download from [www.praat.org](http://www.praat.org)<sup>[4]</sup> or [www.fon.hum.uva.nl/praat/](http://www.fon.hum.uva.nl/praat/)<sup>[5]</sup>. Versions are available for Windows, Mac, and Linux. A helpful tutorial is available at [www.fon.hum.uva.nl/praat/manual/Intro.html](http://www.fon.hum.uva.nl/praat/manual/Intro.html)<sup>[6]</sup> or in the software help menu. Praat can read a sound from a file, record directly into the program, or create a sound from a formula. It can then be used to:

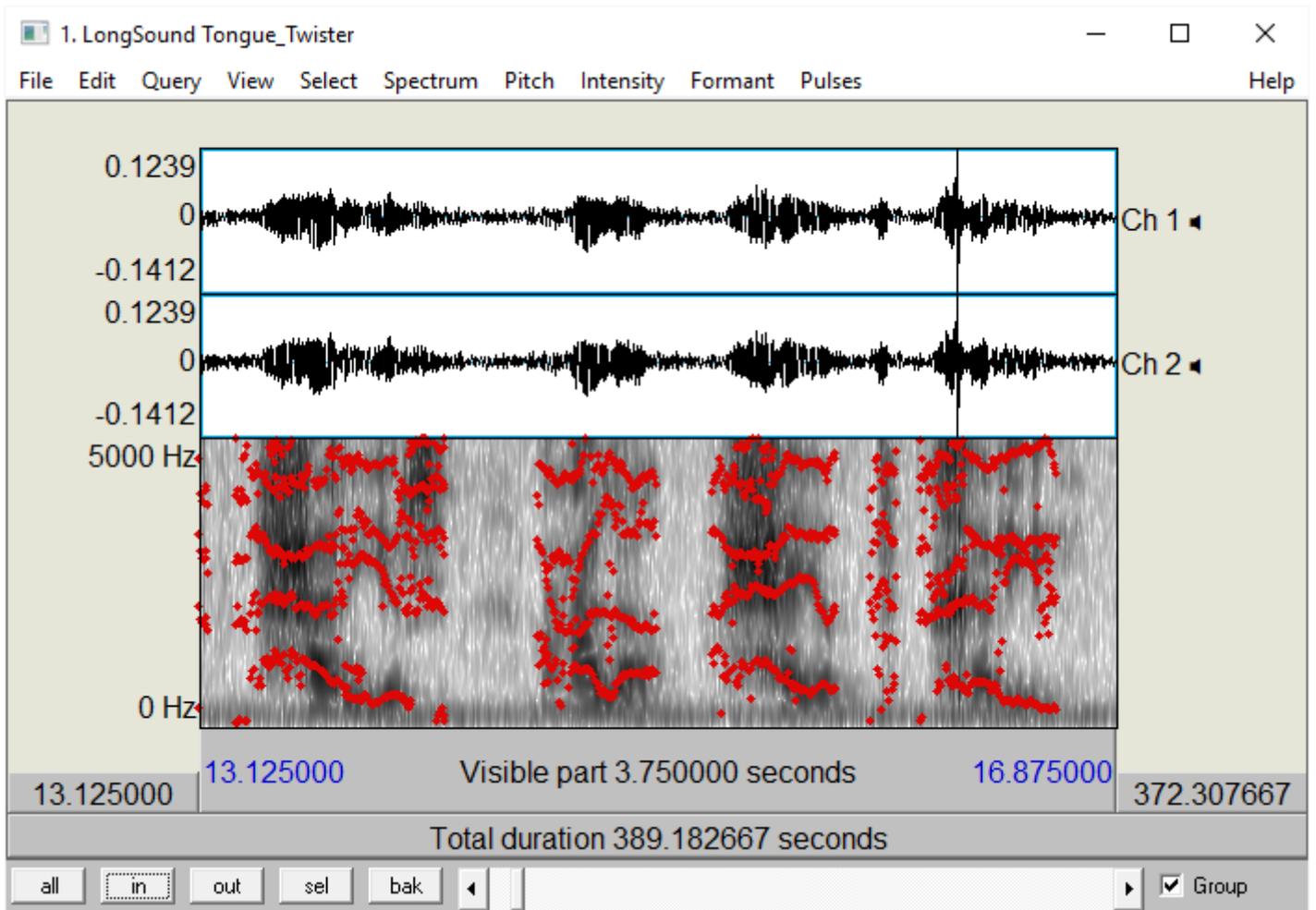
- View, configure, query, or print spectrograms



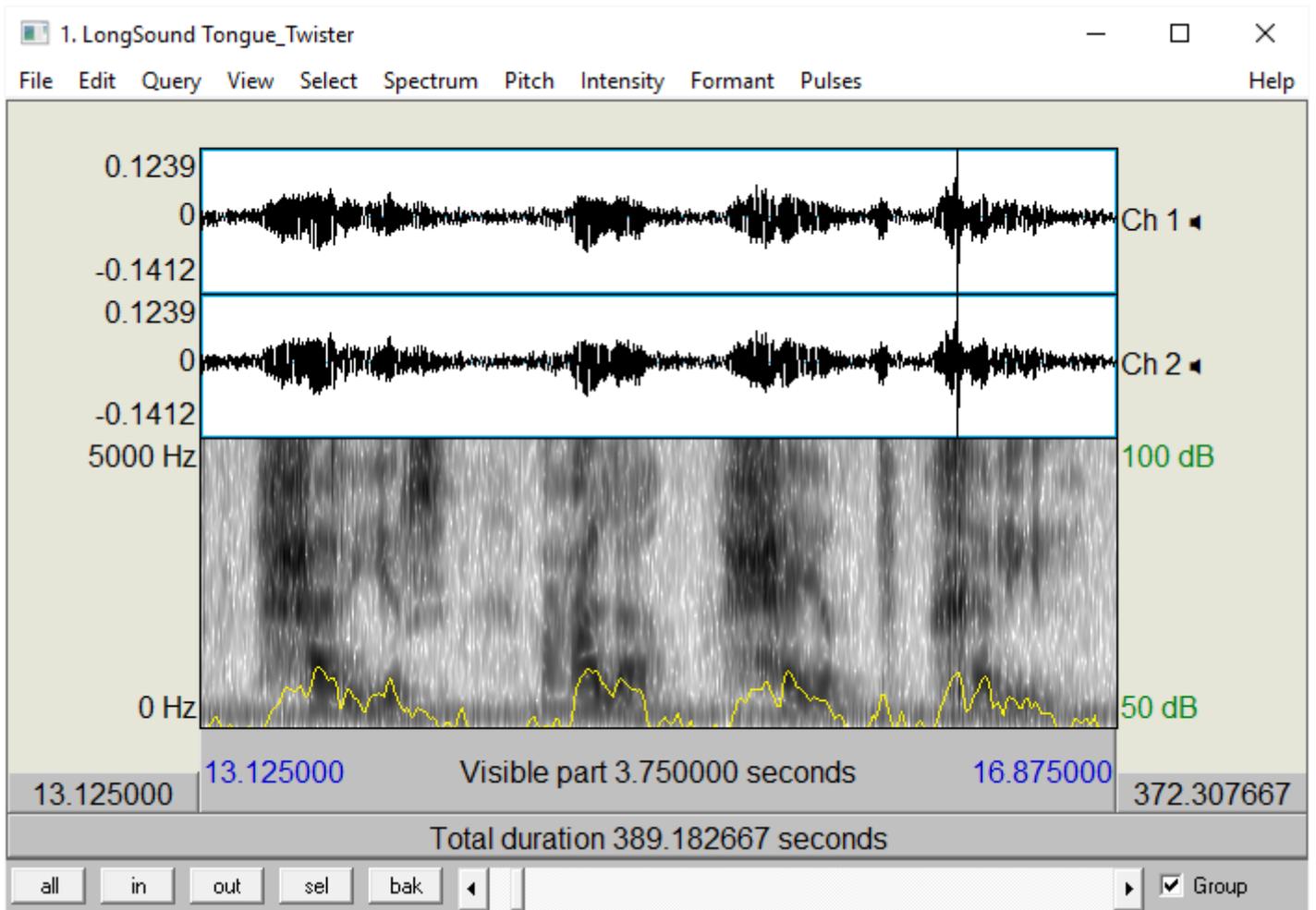
- View, configure, query, or print pitch contours



- View, configure, query, or print formant contours



- View, configure, query, or print intensity contours



**Recommendations for further reading in acoustic sound analysis:**

- Ladefoged, Peter and Sandra Ferrari Disner. 2012. *Vowels and Consonants: Third Edition*. Malden, MA: Blackwell Publishing.  
(Relevant chapters: 2. Pitch and Loudness, 4. The Sounds of Vowels, 5. Charting Vowels, 6. The Sounds of Consonants, 9. Listening Computers)
- Ladefoged, Peter. 2003. *Phonetic data analysis*. Malden, Massachusetts and Oxford, England: Blackwell Publishing.  
(Relevant chapters: 4. Pitch, Loudness, and Length, 5. Characterizing Vowels, 6. Acoustic Analysis of Consonants, 7. Acoustic Analysis of Phonation Types.)
- Johnson, Keith. 2012. *Acoustic and Auditory Phonetics*, 3rd edition. Cambridge, MA: Blackwell Publishing.  
(Relevant to this topic: Part 2. Speech Analysis)

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<sup>[1]</sup> <https://lingtran.net/Getting+Started>

<sup>[2]</sup> <https://lingtran.net/Annotating+a+sound+file>

<sup>[3]</sup> <https://lingtran.net/Creating+a+vowel+chart>

<sup>[4]</sup> <http://www.praat.org>

<sup>[5]</sup> <http://www.fon.hum.uva.nl/praat/>.

<sup>[6]</sup> <http://www.fon.hum.uva.nl/praat/manual/Intro.html>