

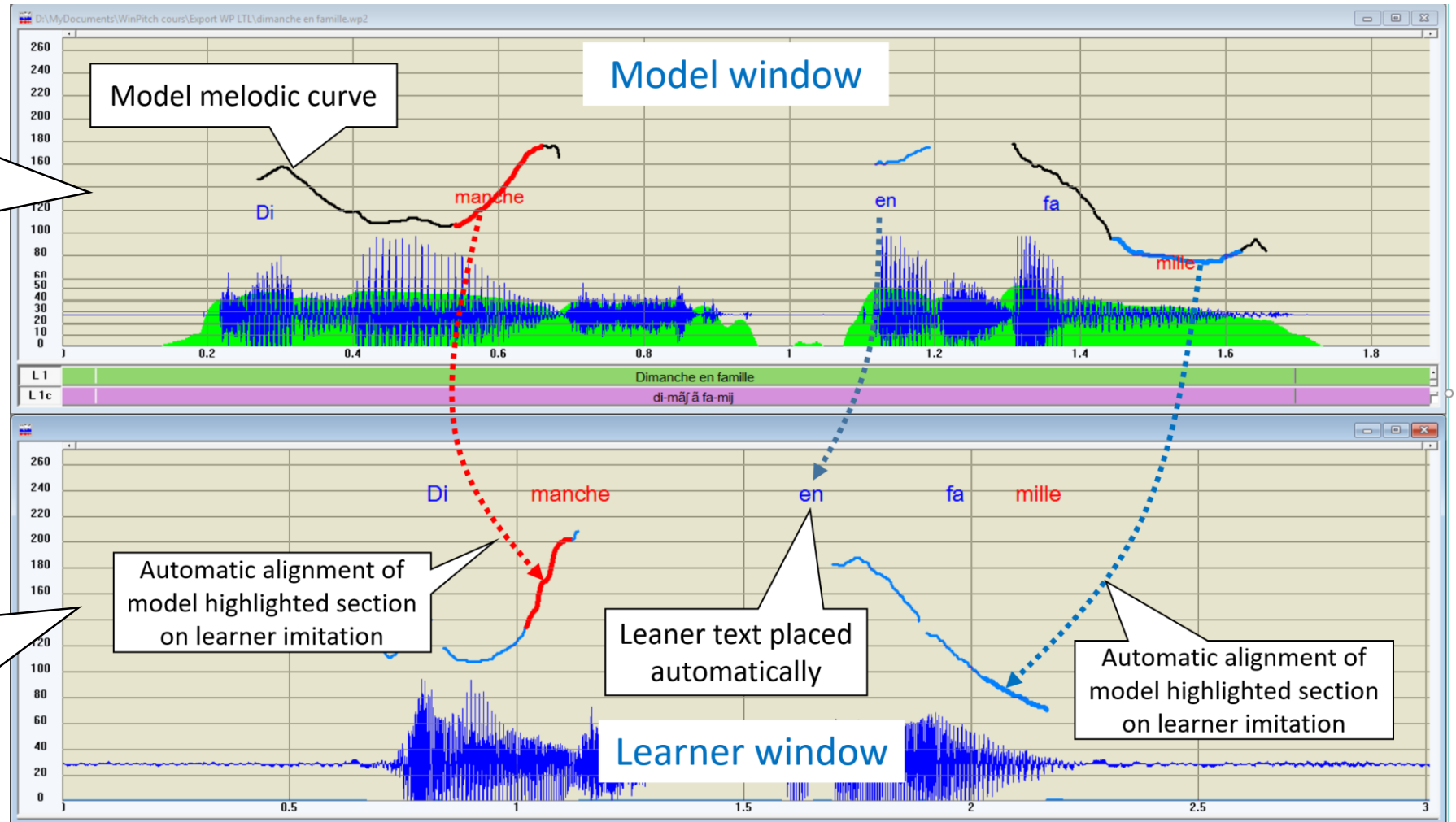
Pitch Instruments Inc.

How to build wp2 and text lessons for WinPitchLTL using WinPitchW10

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Object 1: create a wp2 file containing model sentences for learners in an oral language teaching environment

Melodic curve display on a model sentence, with aligned text and speech segment highlighting



Melodic curve display on a learner imitation with automatically aligned text and highlighted segments

Language Laboratory

Load Text *wp2 Save *wp2 Comment Mapping Synthe

Abc

Extent 160 % Delay 2 s Repeat

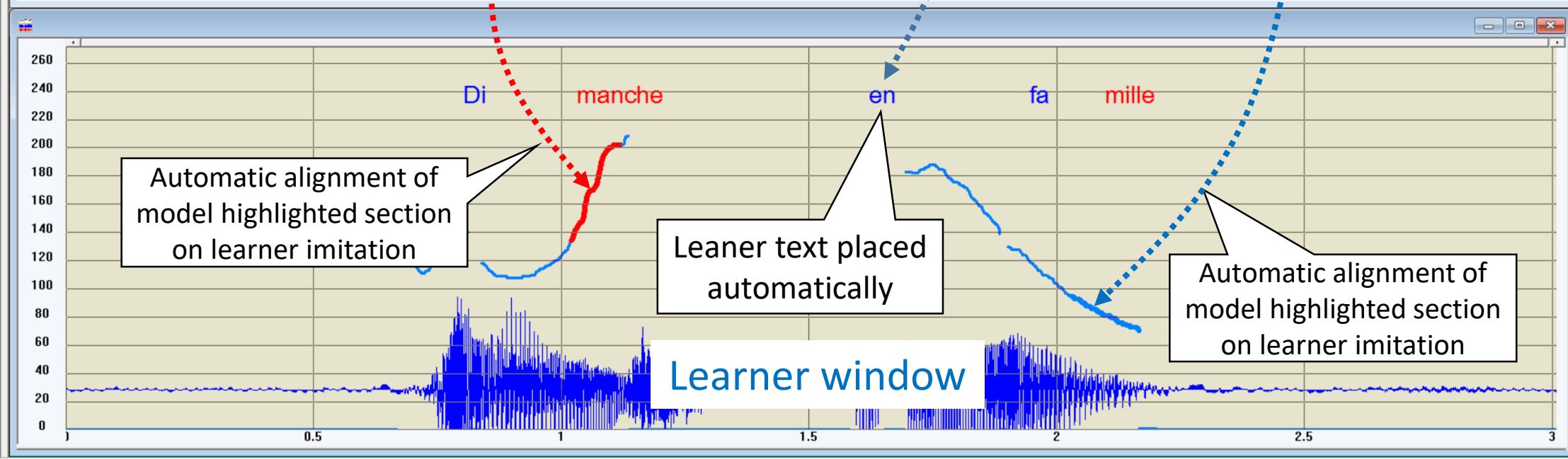
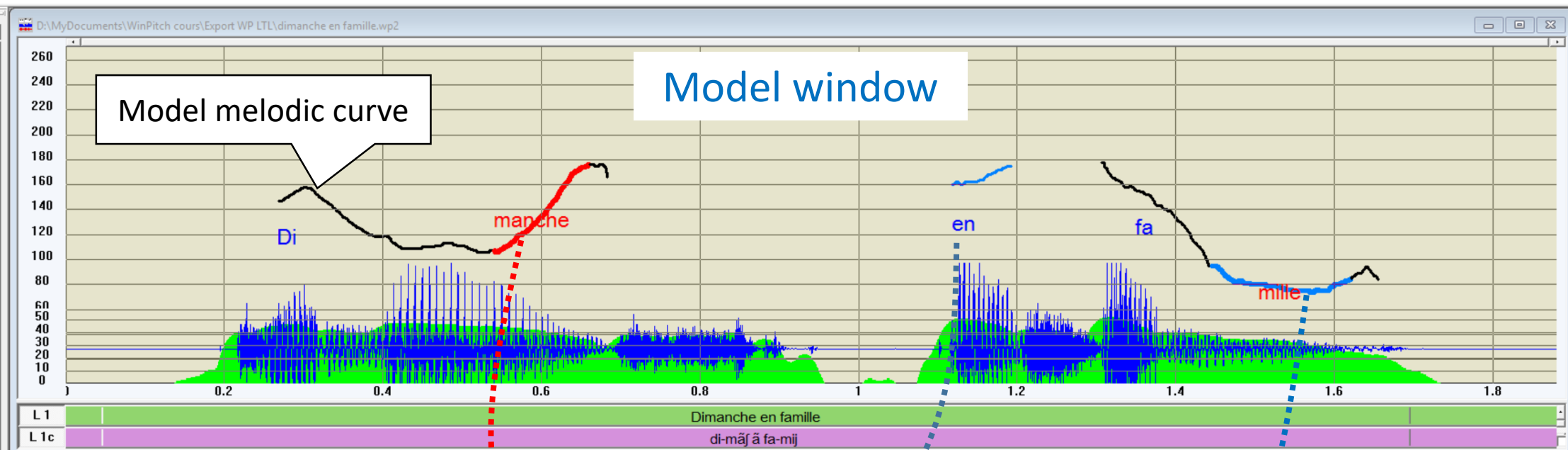
Playback speed 100 % 100 Spectro

Prec Item 1 Next

Listen L & R Rec L & L Stop Play Morph

Trials Morphing Erase

1 2 3 4 5 6 7 8



Lessons are created from an existing speech recorded file, annotated in a wp2 format text file

The speech file is divided into sentences using a specially labelled highlight segment called “LIMIT”

The model sentences can be further enriched by highlighting speech segments considered as important or remarkable by the lesson author

Text can also be added and placed to the model display

Melodic curve, highlighted segments and text will then automatically aligned on corresponding learner produced syllables for easier (and possibly) automatic comparison

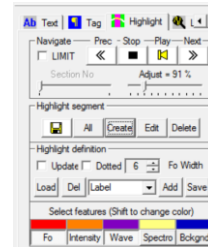
To be done by the creator of a lesson :

1. Select or create a set of model sentences recorded on a single wav file (preferably in 22,050 Hz, mono, 16 bit format)

2. Load the wav lesson speech file into WinPitchW10 or WinPitchLTL

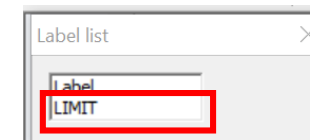
3. Access the “HIGHLIGHT” command box

4. The list of available highlight labels will appear

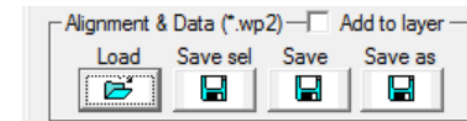


5. For each sentence boundary, create a block in the WinPitch analysis window

6. Click on LIMIT in the list box, a sentence boundary will be created



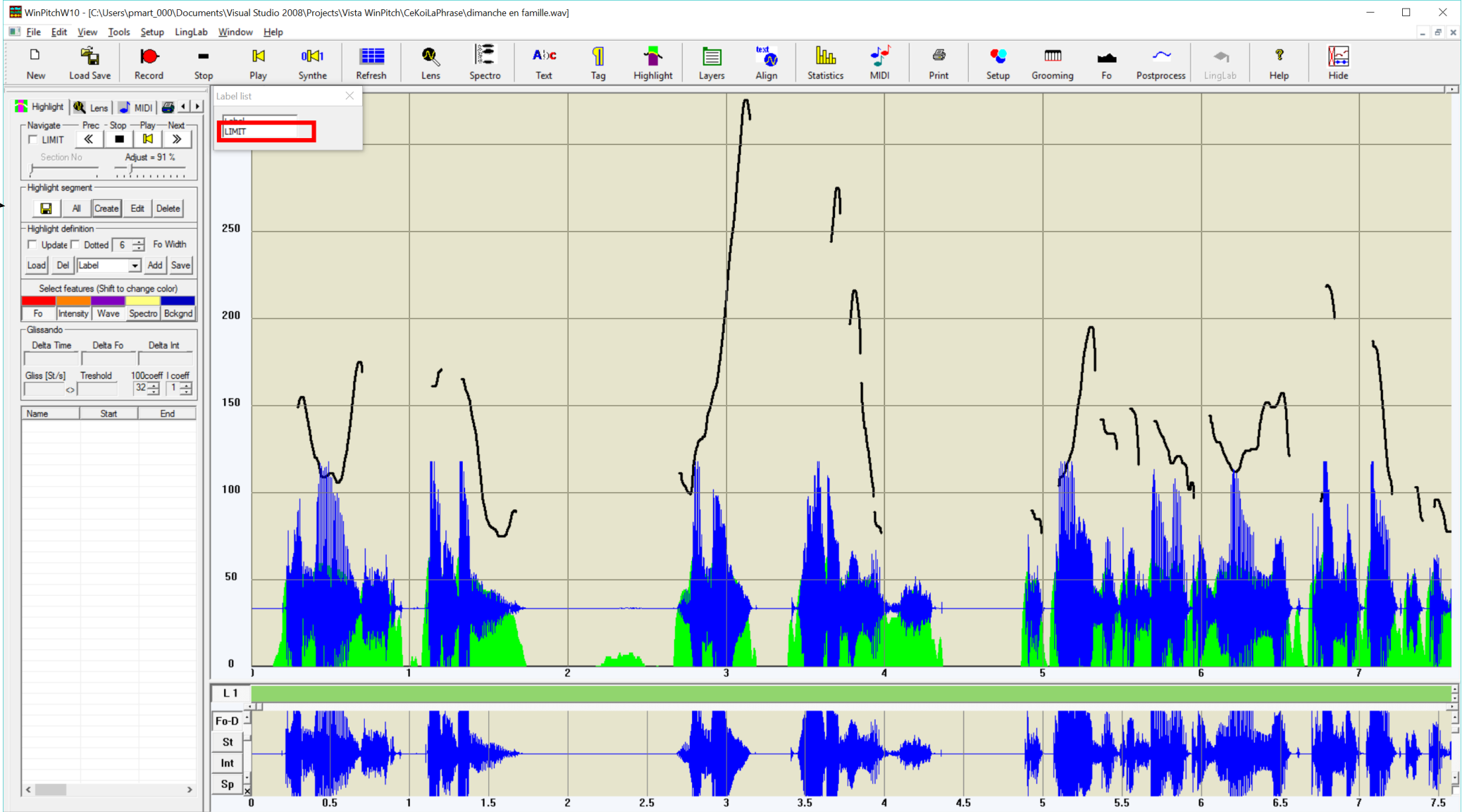
7. Save the work in wp2 format (Load / Save box command in WinPitch)



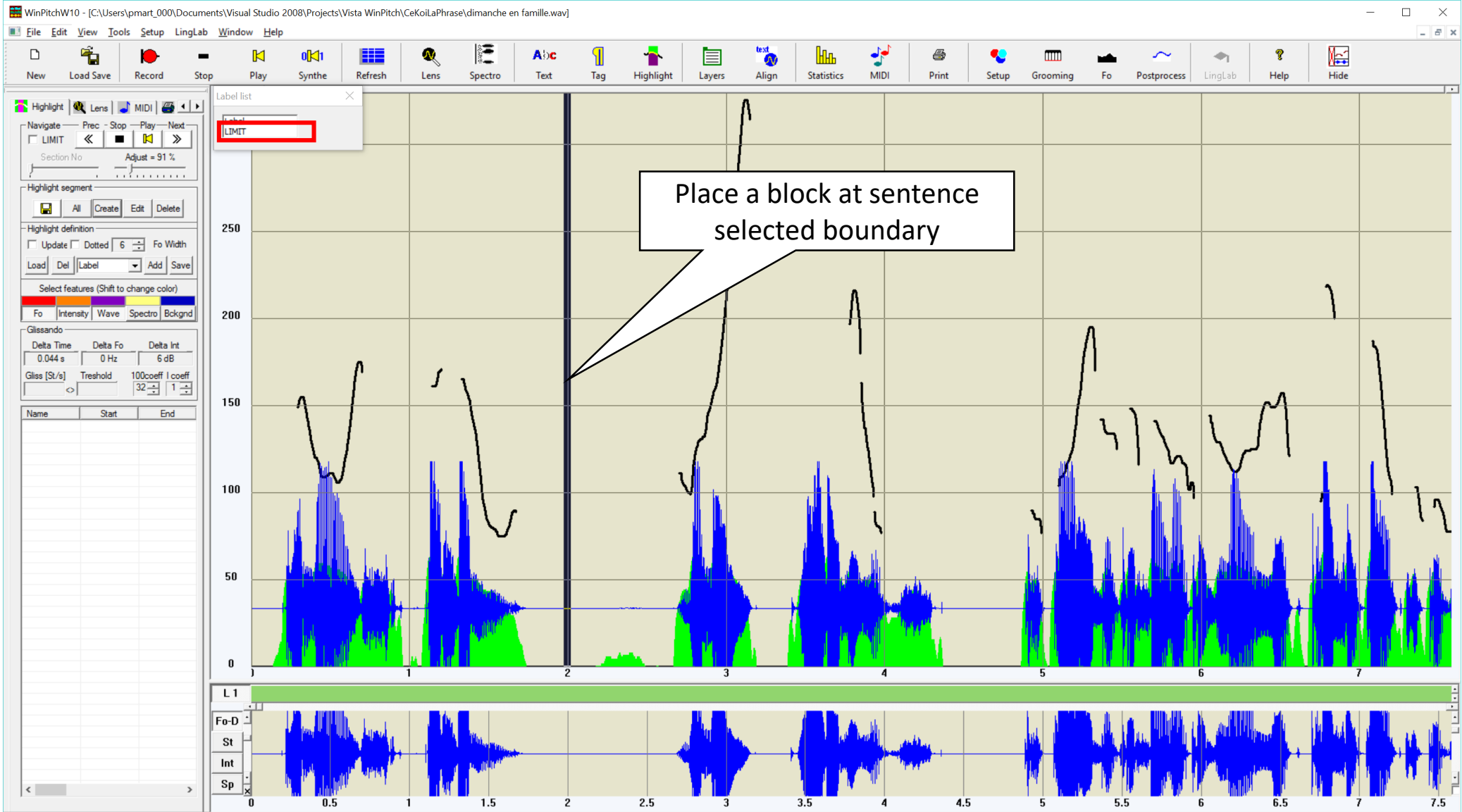
8. Optionally, the author can add text and highlight speech segments in the wp2 lesson file (see WinPitchW10 user manual)

Steps 1 to 4

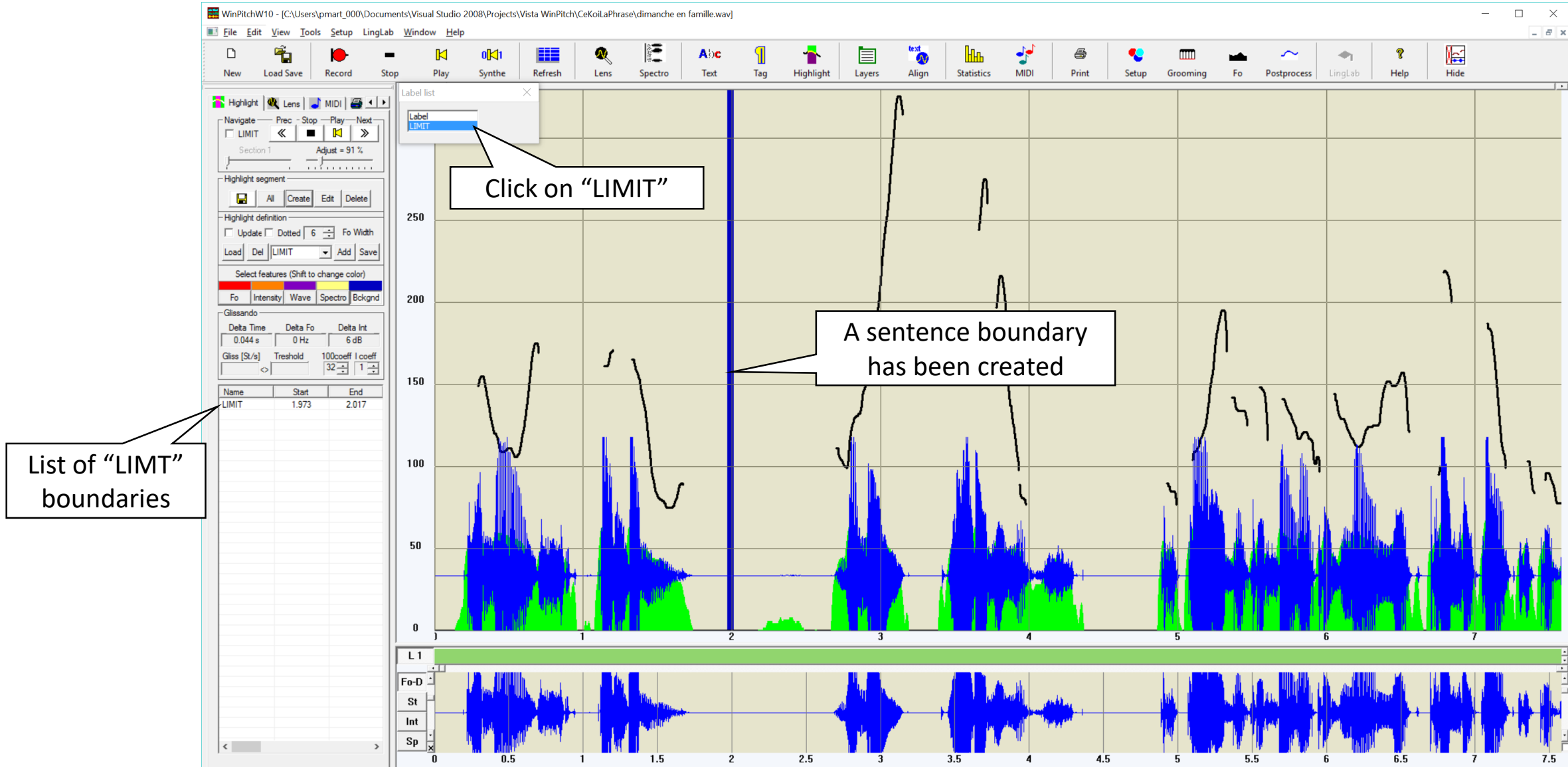
Highlight command box



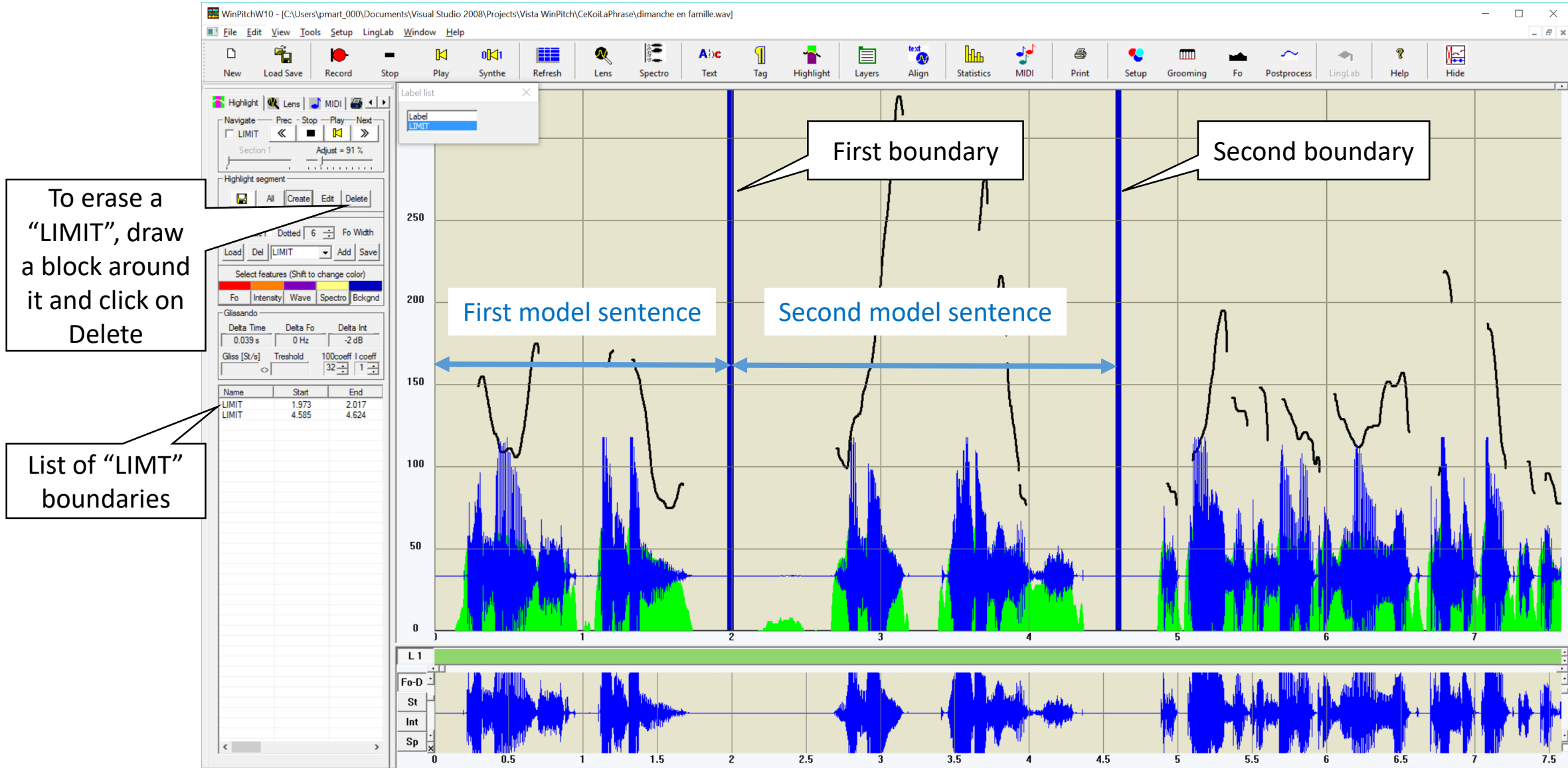
Step 5



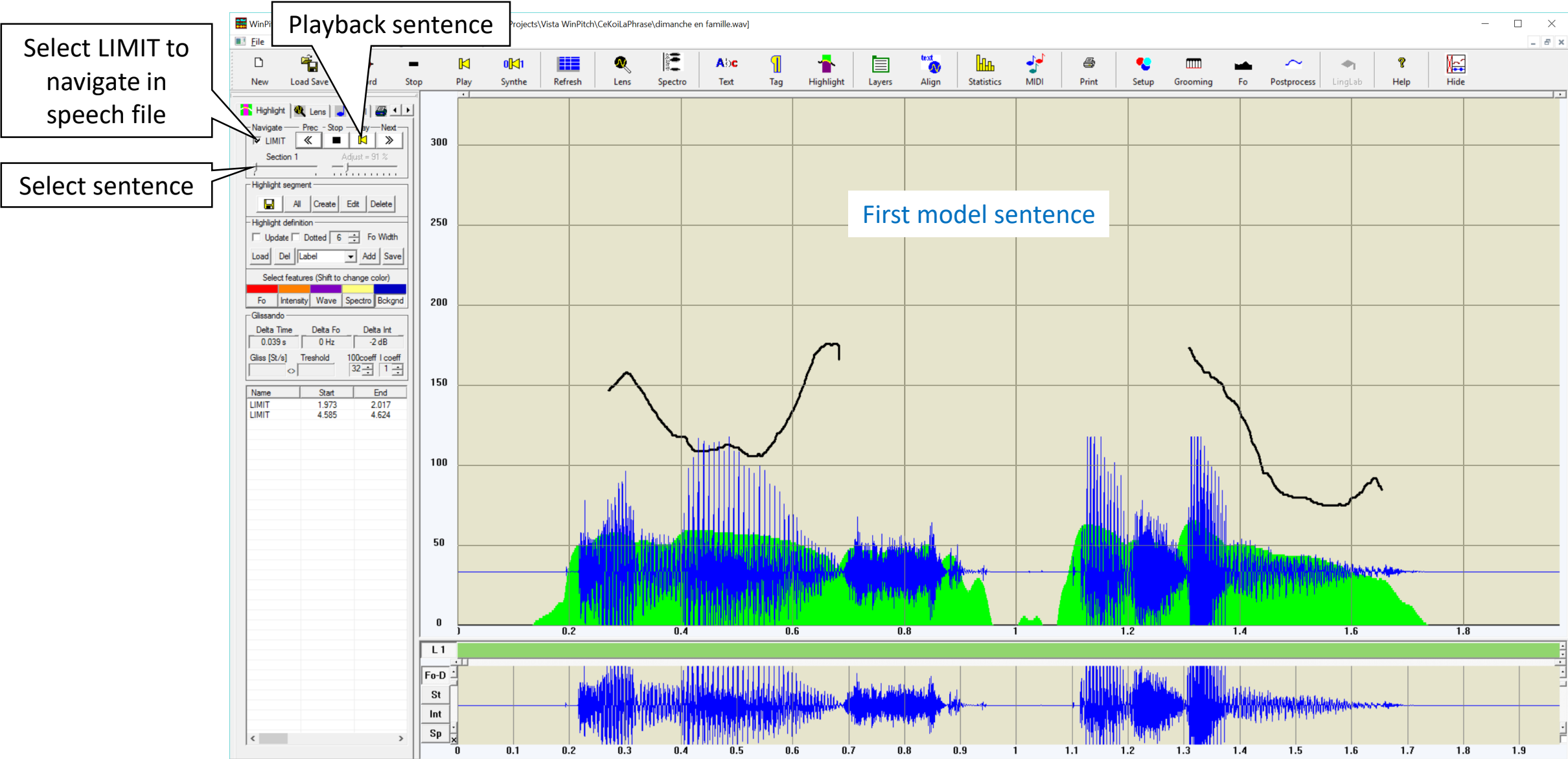
Step 6



Step 6



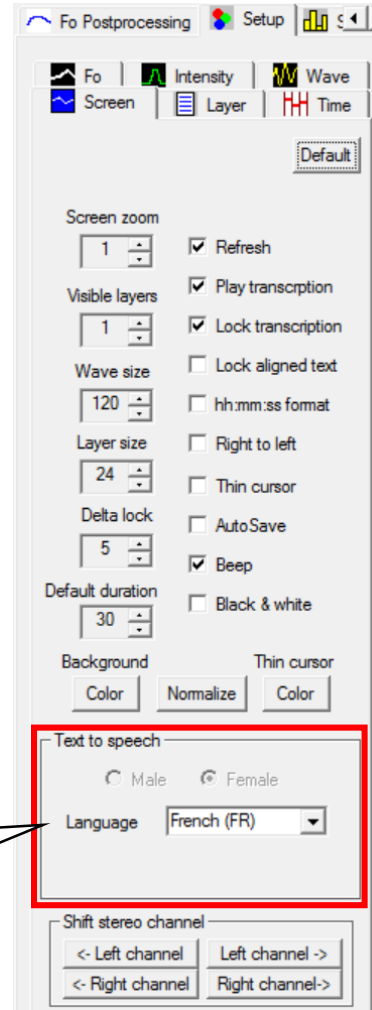
Sentence creation can the be tested using the Navigate command (using LIMIT)



Object 2: create a wp2 file from a text using the imbedded text to speech synthesis engine

Many languages are available:
see Microsoft® Text-To-Speech
downloadable programs for
Windows®

Select the learning
language in the
WinPitchW10 setup
command box



A example of text file to create a WinPitchLTL lesson file

Les tartines, il les a mangées, Max.

Juliette a cru bien faire en les lui laissant.

Le frère de Max a mangé les tartines.

Le soir, le matin, paraît loin.

Les joies de l'enseignement sont innombrables.

Each sentence must
end with a dot

Parts of text can use
different colors, be
in bold, italic or
underlined

This text file **MUST** be saved in **rtf** format

A example of text file to create a WinPitchLTL lesson file

Les tartines, <pitch middle="-5"> il les a mangées, <bookmark mark="C0"/></pitch>

Max. Juliette a cru <pitch middle="5"> bien faire <bookmark mark="C1"/> en les lui laissant.

<rate speed="5"> Le frère de <pitch middle="30"> Max a mangé les tartines. </rate>

<emph> Le soir, le matin, paraît loin. </emph>

Les joies de l'enseignement sont innombrables.

The author can insert bookmarks,
select playback speed and pitch.

This text file **MUST** be saved in **rtf** format

The wp2 lesson is now ready to be loaded into WinPitchLTL!

