st404.15.1

sumtone

:

luís antunes pena

k-u-l-t

for piano and electronics

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2011/15

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version 04 – 29th december 2016

setup & electronics:

Download and Install all files

Note: These instructions were written using a macintosh computer running OSX10.9. For a Windows machine should be similar using the cywin shell https://www.cygwin.com

1. Download the latest Csound version for your platform and install it following the instructions: http://sourceforge.net/projects/csound/files/

2. Download the KULT.zip file from http://icem.folkwang-hochschule.de/~pena/KULT.zip (ca. 270 MB). Please contact sumtone at http://sumtone.com (→ performance materials) to get the password for the zip file.

3. Unzip the file and put it in your prefered folder. Please do not move files whithin the folder structure (KULT/orcsco KULT/readme KULT/pdf_score KULT/ssdir)

4. Make sure you have a sound card connected with at least 8 output channels and 2 inputs. Use the Audio-Preferences of your Mac to select your sound card as system default. Csound will use it too.

5. Start the terminal (on your OSX Computer open the Terminal under /Applications/Utilities/Terminal.app/)

6. Navigate on the terminal to the project directory KULT/orcsco/ with a command similar to this one:

cd KULT/orcsco

(if you're not familiar with the Terminal write cd [cd + backspace] and drag-and-drop with the mouse the KULT/orcsco folder into the Terminal window. Press enter.)

7. To run the electronics write on the terminal:

csound KULT.csd

and press Enter .

Run Csound

After starting csound with the file KULT.csd you'll see the following window with some basic instructions (colors may differ):

```
*************************************************************
*                                                           *
*                     K - U - L - T                         *
*                                                           *
*                VERSION FOR 8 CHANNELS                     *
*                                                           *
*************************************************************
*                                                           *
*       Keyboard control                                    *
*                                                           *
*       Backspace       start next program                  *
*       0               reset                               *
*       1               decrease program                    *
*       a - q           goto marks A-Q                      *
*       T               test sound channels 1-8             *
*       H               open help doc                       *
*       Q               quit csound                         *
*                                                           *
*       MIDI:                                               *
*       Foot-controller set channel 1, controll number 1    *
*                                                           *
*       M               test income midi messages           *
*                                                           *
*************************************************************
* version 04 / 29.12.2016                                   *
*************************************************************
```

The keyboard should controll the whole electronics.

Use characters a-q to spring to the selected programm a until q. After a reset please press twice to activate the selected program.

The electronics of K-U-L-T use 8 outputs from your interface with different samples and live processing. Use the mixing console to control the amplitude of the outpus.

To setup the levels of the piano input use programs C, E, G, I and K. The output should be clearly audible and according to the waveforms showed in the score.

Setup

KULT.csd will look for input 1 and 2 of the interface to process the piano sounds. Use two microfones to capture the sound of the piano.

Midi-Control to change the program during performance you can either use the keyboard (Backspace) or you can use a Midi-Pedal. The program is set to react to Midi-Pedal on channel 1 and control number 1. You can test income midi messages pressing the key M.

For any additional information contact:

antunespena@web.de

Partitur

K-U-L-T

Luís Antunes Pena

A

♪ = 132

Piano

pp *sempre*

sfz

(sfz sempre ff)

sfz

sfz

sfz

sfz

5

Pno

sfz

sfz

sfz sfz

10

Pno

sfz

sfz

14

Pno

sfz *sfz*

sfz *sfz*

19

Pno

sfz

24

Pno

sfz

29

Pno

sfz sfz

33

Pno

37

Pno

sfz sfz pp

41

Pno

ff p

B

41

FxMedia

S02_PianoElgthtones_1-1.aiff | OUTS 1/2

C

D

Pno

FxMedia

Live-Ele.

46

15

sfz pp

(sfz sempre ff)

sfz

sfz

S04_PianoElgthtones_2-1.aiff OUTS 1/2

S04_PShifter_075.aiff OUTS 3/4

PShifter Transp 0.75 OUTS 5/6

sfz notes should be clearly hearable

E

F

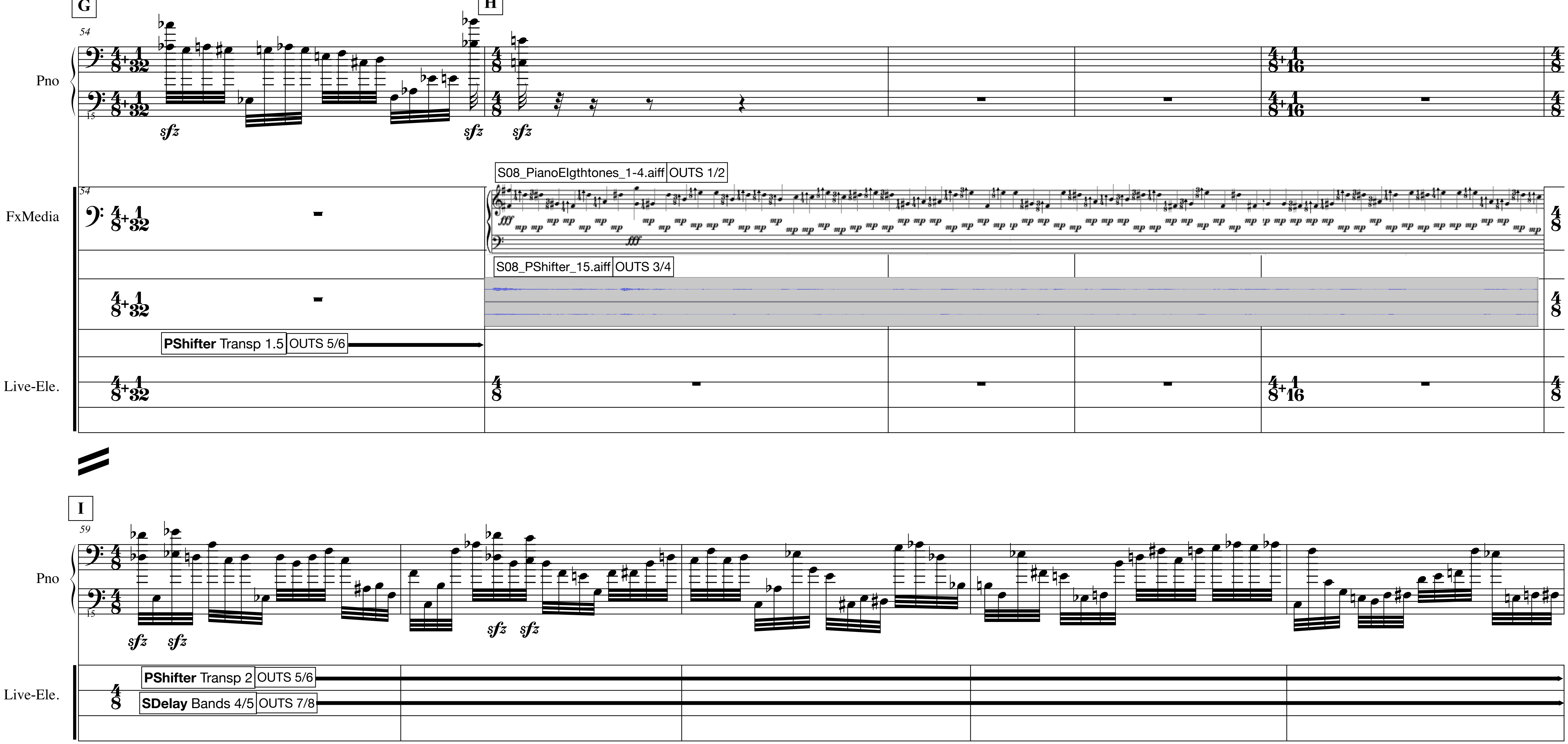
50

sfz

S06_PianoElgthtones_1-3.aiff OUTS 1/2

S06_PShifter_05.aiff OUTS 3/4

PShifter Transp 1.0 OUTS 5/6


G
H
54
Pno
sfz
FxMedia
S08_PianoElgthtones_1-4.aiff
OUTS 1/2
fff
mp
S08_PShifter_15.aiff
OUTS 3/4
PShifter Transp 1.5
OUTS 5/6
Live-Ele.
I
59
PShifter Transp 2
OUTS 5/6
SDelay Bands 4/5
OUTS 7/8

J

64

Pno

15

FxMedia

64

Live-Ele.

S10_PianoElgthtones_1-6.aiff OUTS 1/2

FxMedia

K

74

Pno

15

S11_PShifter_08-08.aiff OUTS 3/4

FxMedia

PShifter Transp 2 OUTS 5/6

SDelay Bands 4/5 OUTS 7/8

SDelay Bands 6/7/8 OUTS 7/8

Live-Ele.

79

repeat ad libitum with acce.
to achieve the ff

Pno

15

pp mp pp sfz sfz sfz sfz sfz sfz sfz sfz sfz ff

FxMedia

Live-Ele.

PShifter Transp 2

SDelay Bands 4/5

SDelay Bands 6/7/8

a tempo

84

Pno

15

sfz pp (sfz sempre ff) sfz sfz sfz sfz sfz sfz sfz sfz sfz sfz

FxMedia

Live-Ele.

repeat ad libitum with acce.
to achieve the ff

89

Pno

15

sfz sfz sfz sfz ff sfz pp sfz sfz sfz sfz pp mp pp

FxMedia

Live-Ele.

94

Pno

Live-Ele.

Delay (only if used with midi controllers otherwise the Delay is deactivated)

99

Pno

Live-Ele.

104

Pno

Live-Ele.

109

Pno

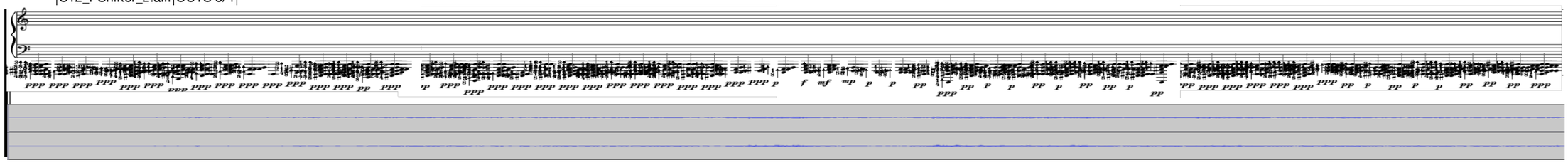
Live-Ele.

L

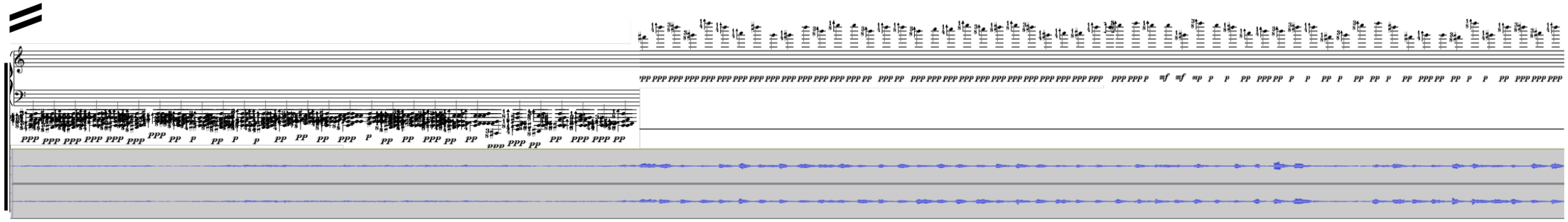
S12_PianoEigthtones_12-1.aiff | OUTS 1/2

S12_PShifter_2.aiff | OUTS 3/4

FxMedia



FxMedia



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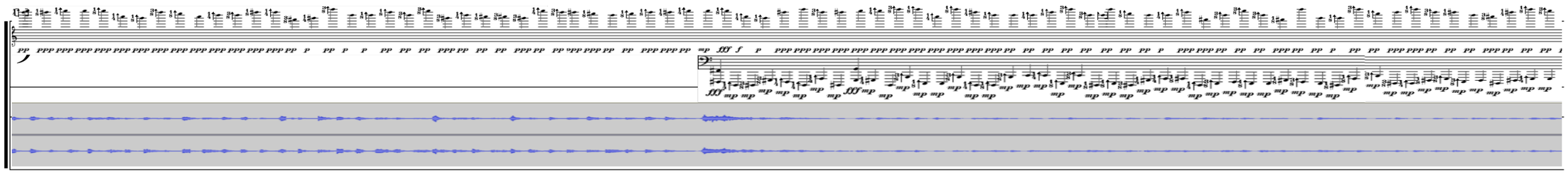
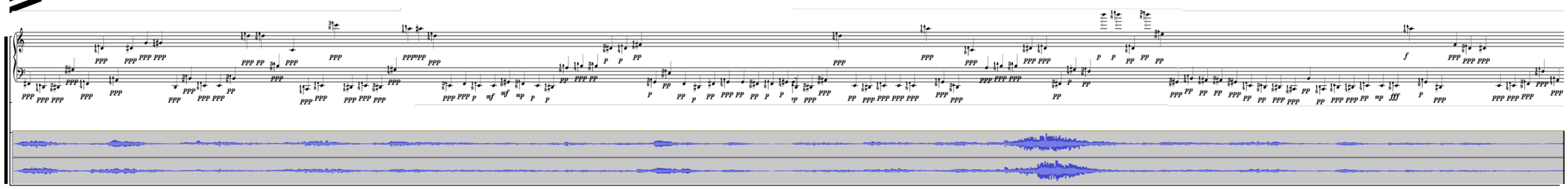
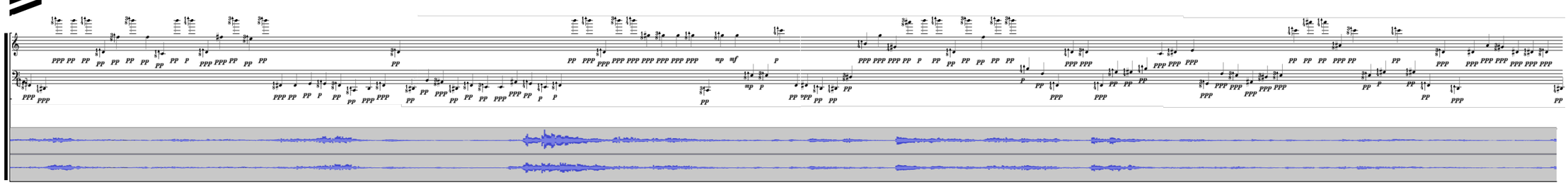


FxMedia



FxMedia



Pno

Sost. Pedal

sost. ped.

FxMedia

M

115

Pno

pp *sempre*

sost. ped.

S13_PianoEigthtones.aiff | OUTS 1/2 | S13_PShifter_2.aiff | OUTS 3/4 | S13_SDelay.aiff | OUTS 7/8

FxMedia

PShifter

Spectral Delay

120

Pno

sost. ped.

FxMedia

K-U-L-T

125

Pno

15

sost. ped.

FxMedia

130

Pno

15

sost. ped.

-------- ca. **20 sec** ----------
(until the resonance fades out)

N

Sost. Pedal

sost. ped.

FxMedia

S14_SampleNoise.aiff | OUTS 1/2

- 03:11 seconds -

Sample_Noise

133

Pno

15

ff

sost. ped.

O

137

-------- ca. **12 sec** ----------
(until the resonance fades out)

Pno

sost. ped.

Sost. Pedal

sost. ped.

S15_Sample_Street.aiff | OUTS 1/2 | S15_SDelay.aiff | OUTS 7/8

FxMedia

P

138

-------- ca. **20 sec** ----------
(until the resonance fades out)

Pno

pp *mf* *p* *sfz* *pp*

sost. ped.

Sost. Pedal

sost. ped.

S16_Samples.aiff | OUTS 1/2 | S16_SDelay.aiff | OUTS 7/8

FxMedia

Q

140

Pno

ff

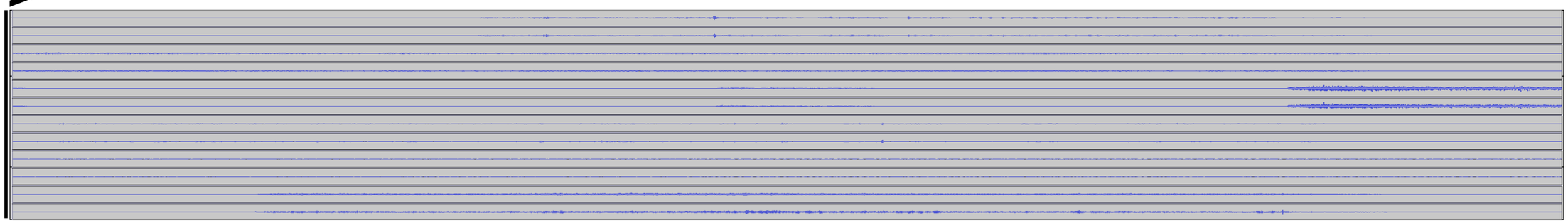
sost. ped.

sost. pedal until the end of the piece

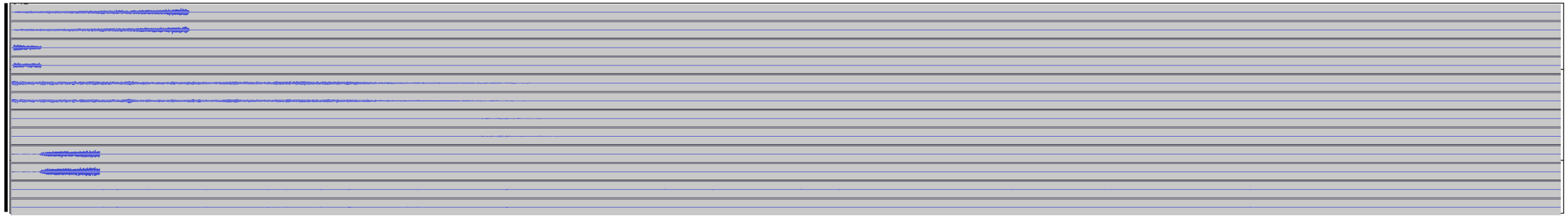
FxMedia

FxMedia

FxMedia



FxMedia



FxMedia