Dialóg

Richard Hughes

[Electronics]

Performance notes

Granulator

A granulator with the following six MIDI parameters is to be used. Any granulator can be used once the parameters can be controlled and a live sample can be fed into it. The sample is a live recording of the opening bar, played on double bass. Therefore half the sample is the six note motif and the other is silence. *Granulator II* created by Robert Henke is a recommended granulator to use but not requisite. If using a modulating enabled granulator, play the sample at pitch for the duration of performance.

Grain Size — This core parameter defines how many crossfading sample chunks are played back per second. The higher the frequency, the more chunks with shorter duration are created. This parameter is logarithmically scaled.
Unit: Hertz (Hz). Min / Max: 0.25 / 150.

Random — This parameter defines the regularity of time between grains. The more random, the more irregular the spacing between grains are.
Unit: Percentage (%). Min / Max: 0 / 100.

Spray — This parameter adds a random variation to the readout position of each single grain. It defines the maximum possible deviation from the fixed file position. The spray should be symmetrical about the file position.
Unit: Millisecond (ms). Min / Max: 0 / 20,000.

Frequency of Filter — A 12dB lowpass filter with a slightly below median bandwidth (Q / resonance filter) is to be applied to the granulator. The performer controls the cut-off frequency of the lowpass filter. This parameter is logarithmically scaled.
Unit: Hertz (Hz). Min / Max: 20 / 20,000

Volume

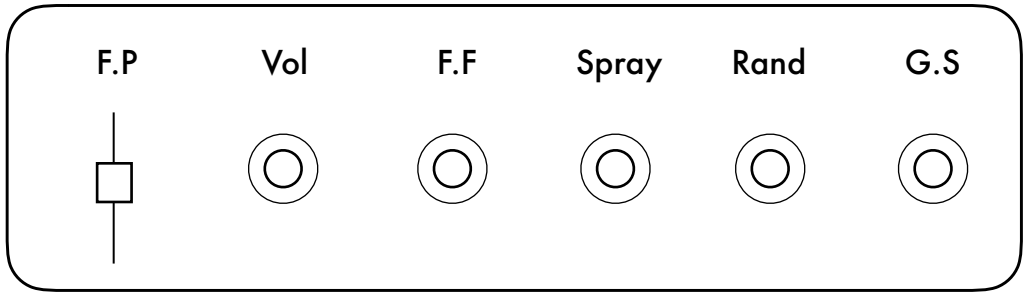
This parameter controls the main output volume for the granulator. It is used mainly for fade-ins and fade-outs. This parameter is logarithmically scaled.
Unit: Decibel (dB). Min / Max: –infinity / 0

File Position

This parameter defines the readout position for each grain, 0% being the start of the sample and 100% being the end. The spray parameter affects the randomisation of the readout position whilst based about the file position.
Unit: Percentage (%). Min / Max: 0 / 100

Recommended setup

Grain Size, Random, Spray, Frequency of Filter and Volume parameters can be MIDI mapped to knobs.
File Position can be MIDI mapped to a slider.



Notation

All parameters are notated in their own staves.
A specific preset is indicated but all other indications are relatively arbitrary.
A red line denotes a parameter is moving.
A black line denotes a parameter is static.
The vibrato line indicates to shake the parameter in a vibrato like manner. The range of the vibrato is indicated by the thickness of the vibrato line.

Live Audio From Double Bass

Live recording of the double bass should happen throughout the performance.

Monitoring can be active throughout the performance if the double bass needed amplification.

A 12dB frequency filter is to be applied to the live audio of the double bass (b. 19 - 24). Monitoring must be active for these measures.

The bow of the double bass is to be attached to a 2-axis MIDI controller, e.g string attached from bow to joystick, *Gametrak*.

The X direction of the controller parametrises the cut-off frequency.

The Y direction of the controller parametrises the bandwidth (Q / resonance filter).

The electronics performer is to turn on and off the filter and fade in and out.

Miscellaneous

The Instructions & Cues stave is intended as a space for relevant cues and notes written by the performer as each individual setup may entail unique instructions and cues.

While volume output from the granulator is set to 0dB mostly, further mixing can be done to achieve a more balanced sound. Particular mixing is not indicated as it is dependant on the location of performance.

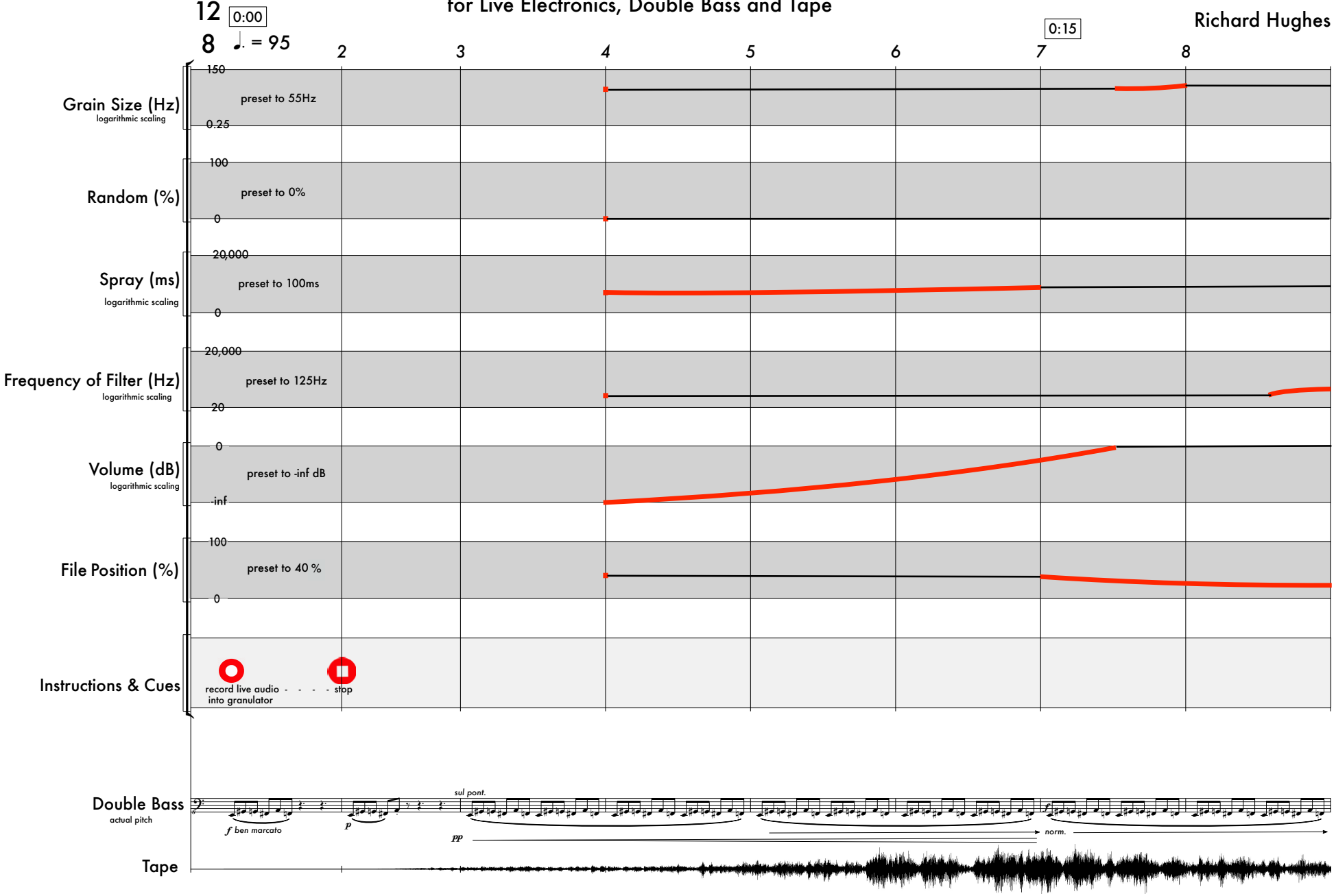
Live electronics, audio from double bass and the pre-recorded tape should be mixed accordingly.

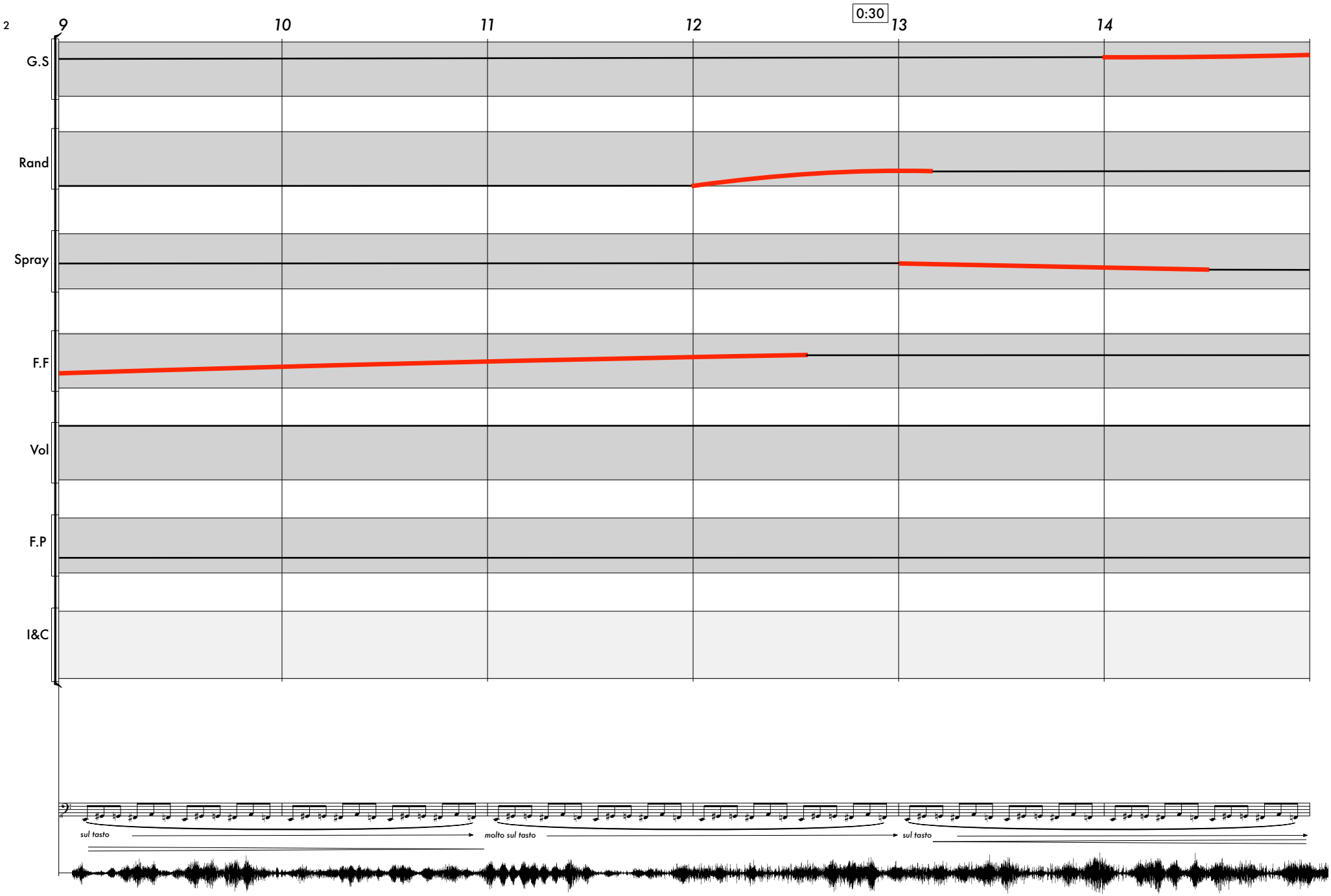
Please find the visual (and audio) click track attached with performance equipment.

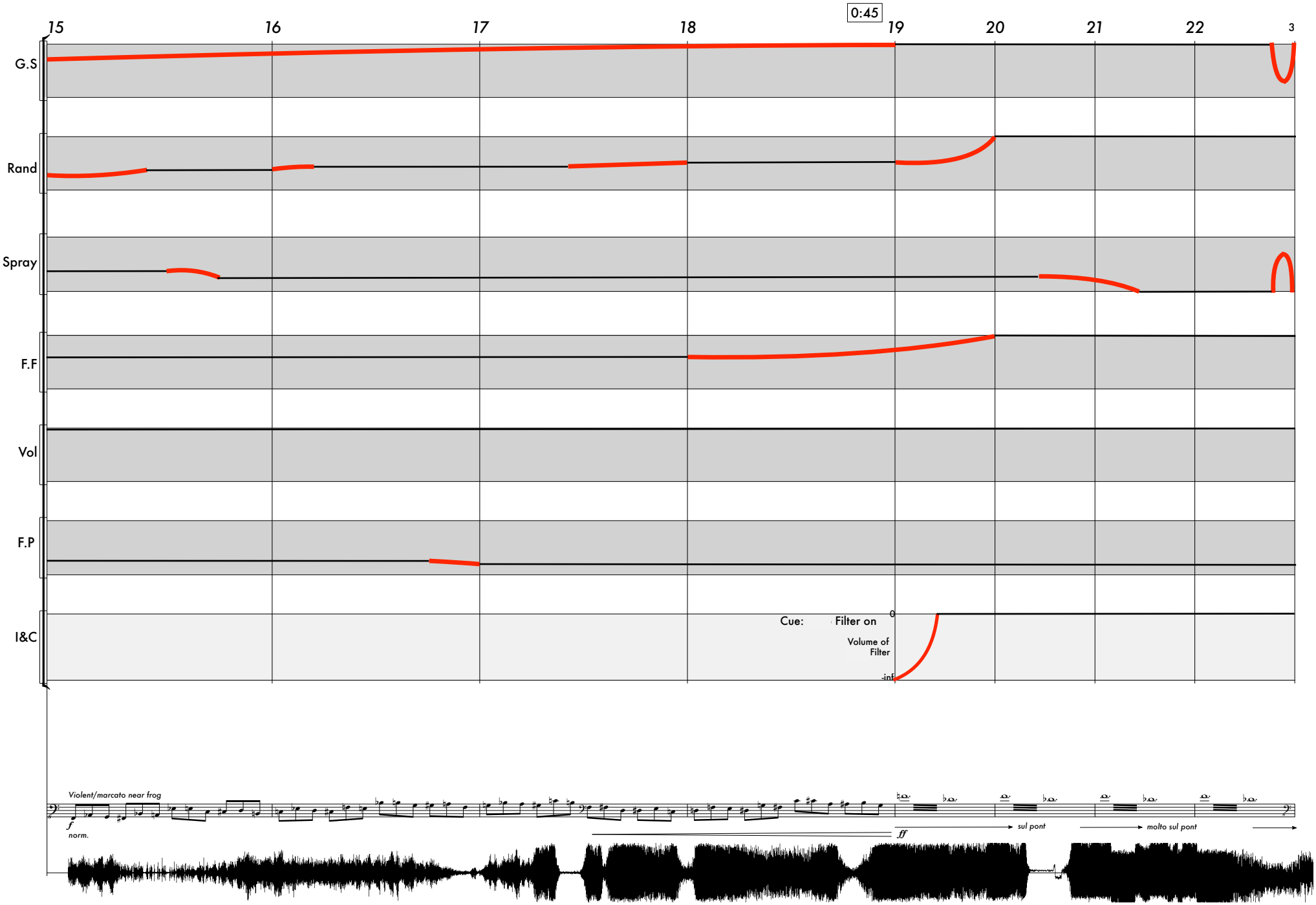
Dialóg

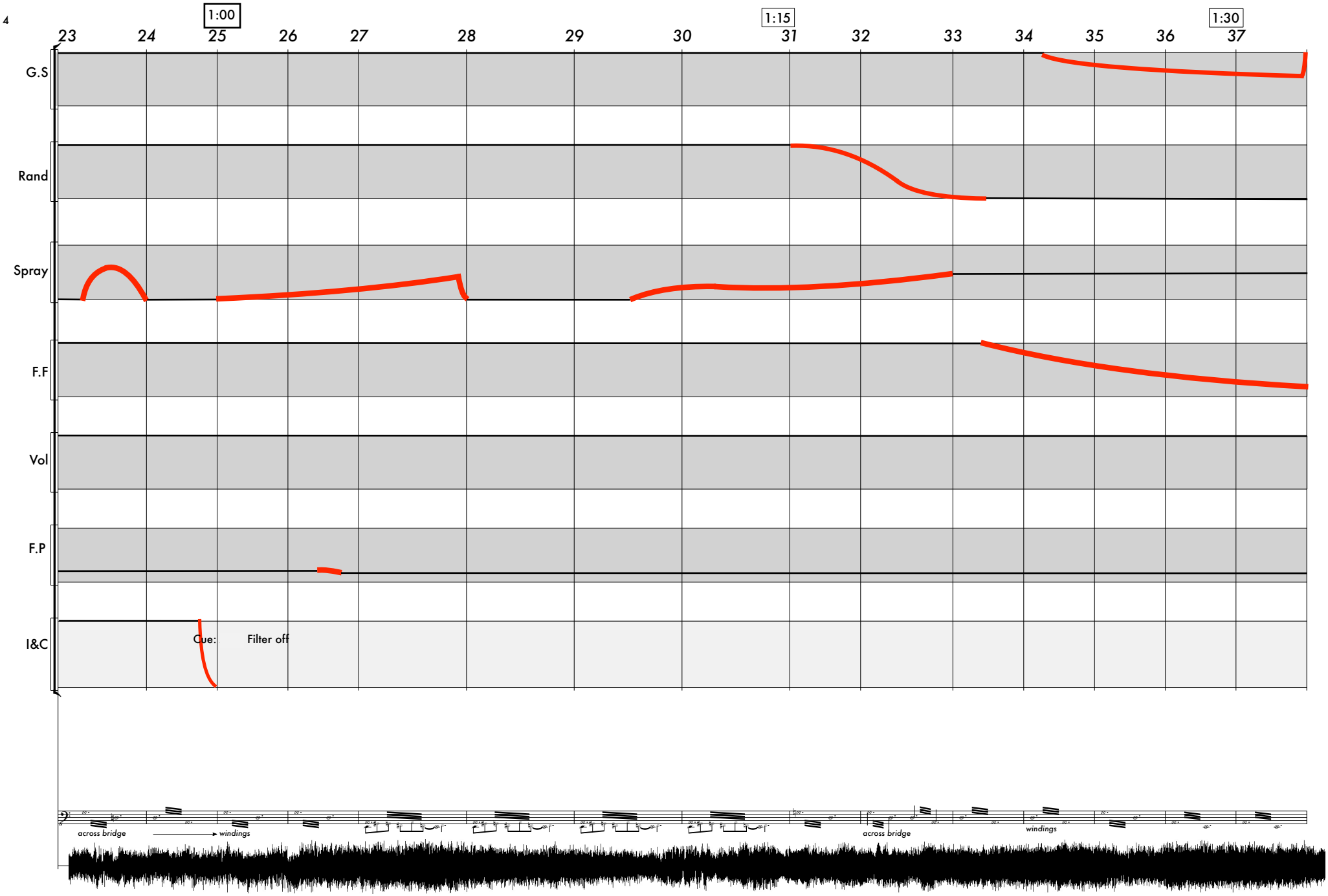
for Live Electronics, Double Bass and Tape

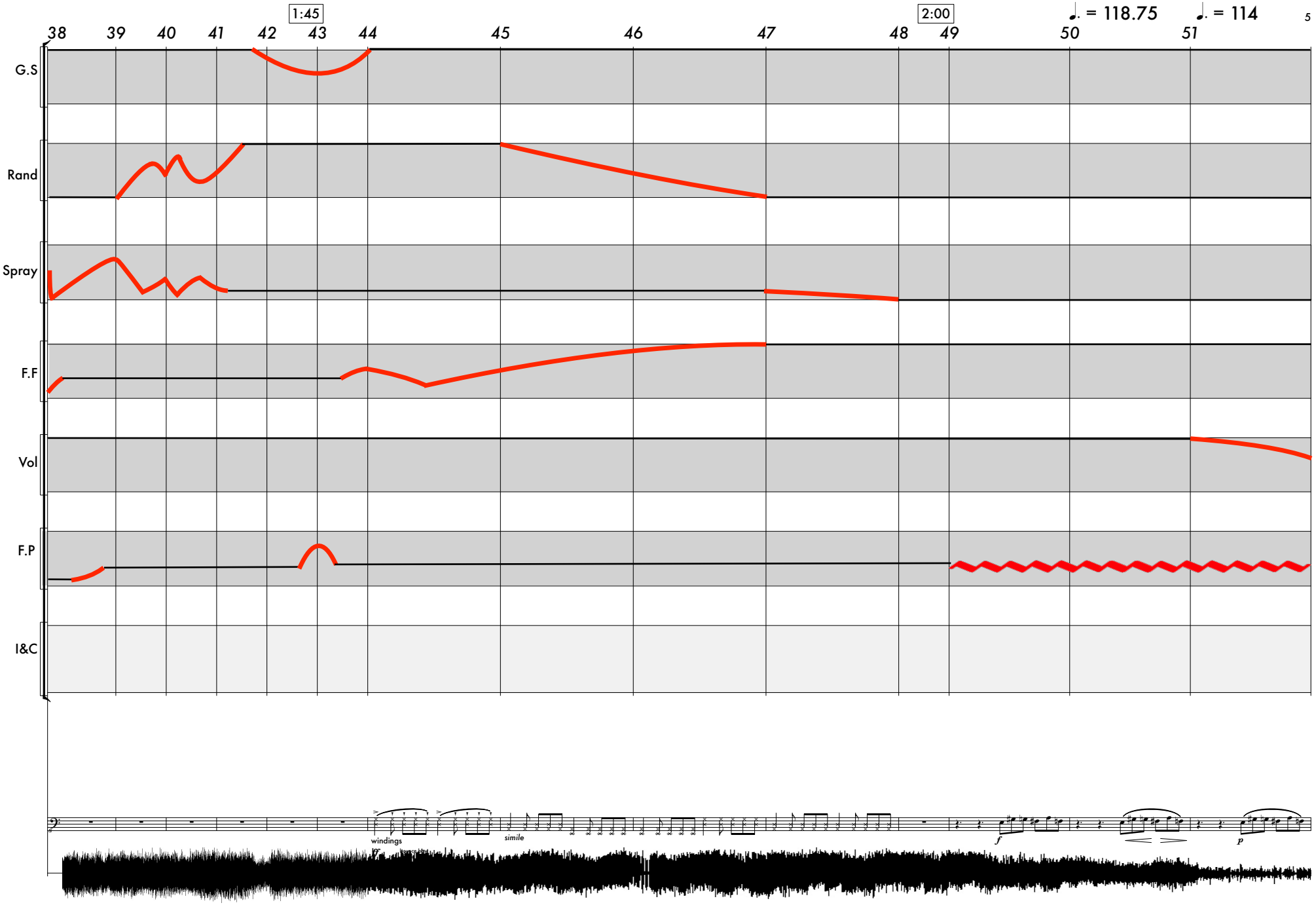
Richard Hughes

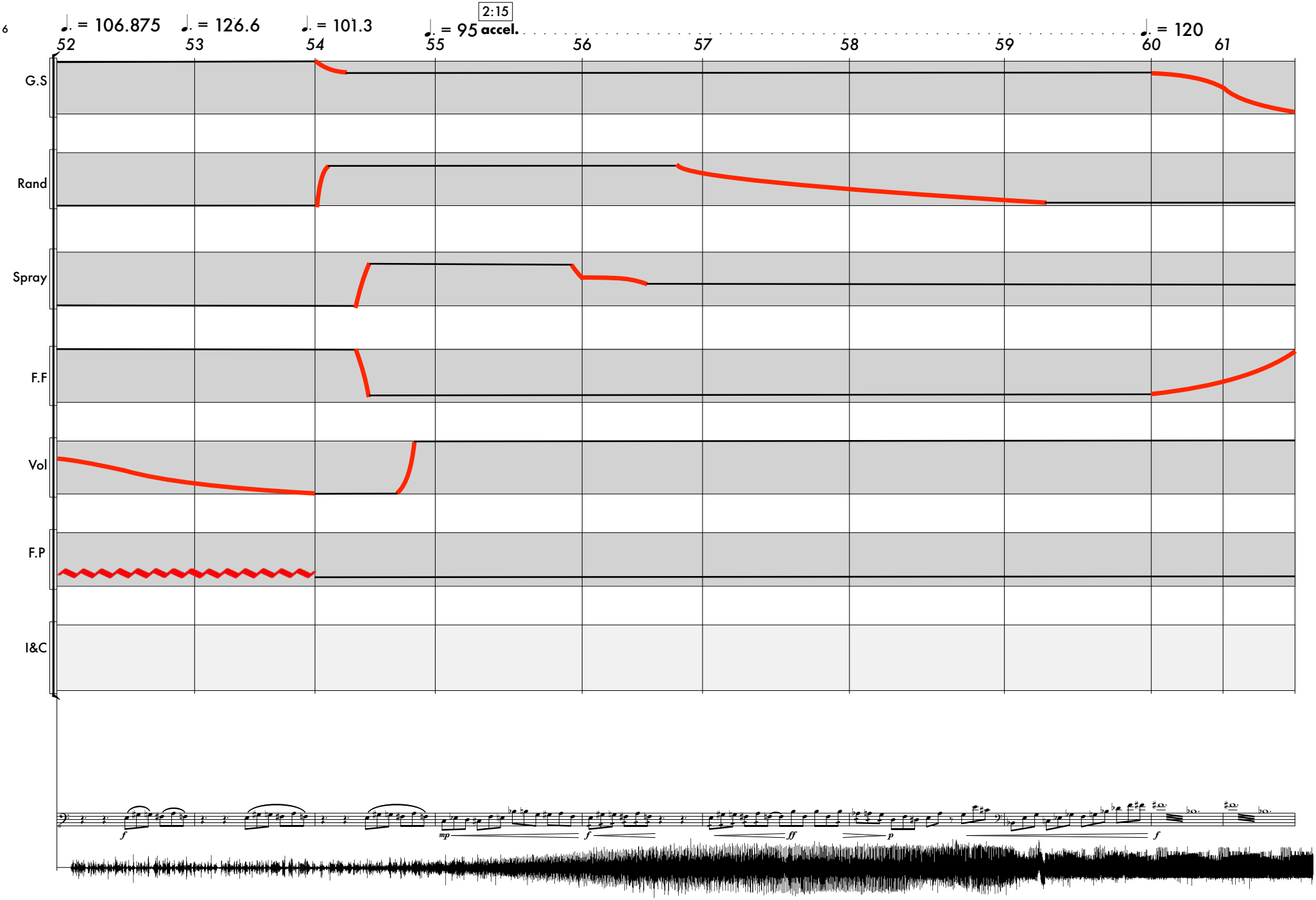


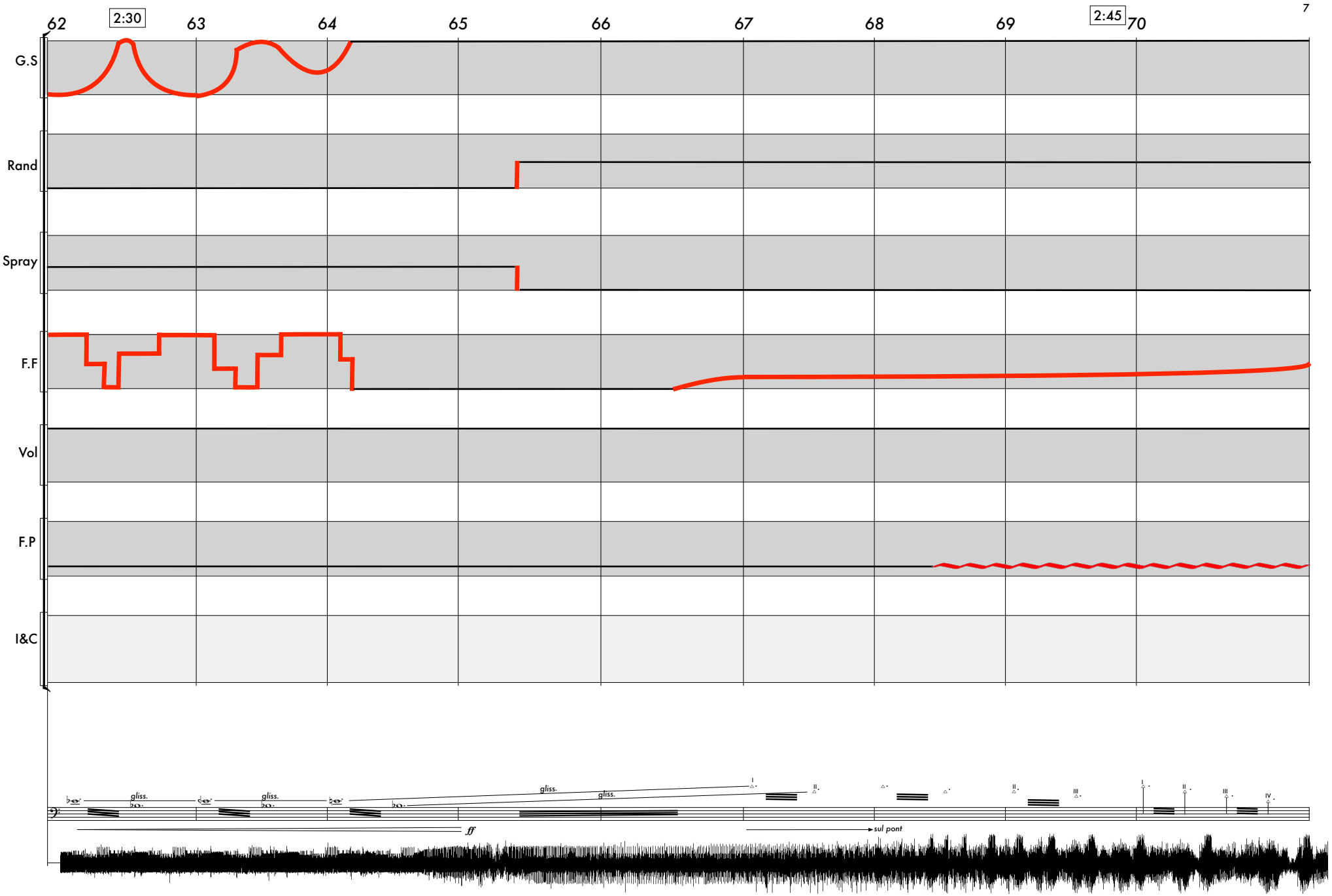

9
10
11
12
0:30
13
14
G.S
Rand
Spray
F.F
Vol
F.P
I&C
sul tasto
molto sul tasto
sul tasto

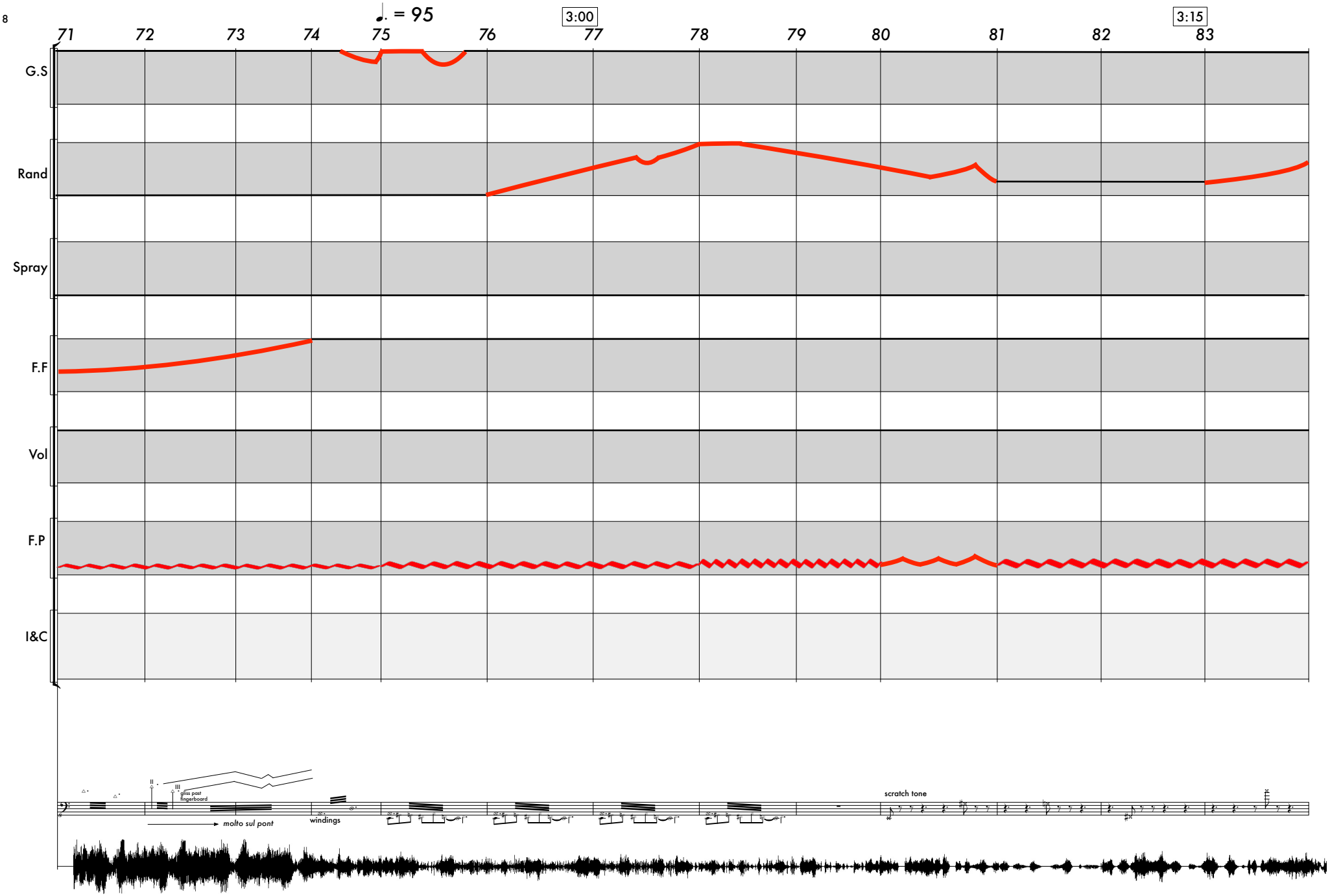

15
16
17
18
0:45
19
20
21
22
3
G.S
Rand
Spray
F.F
Vol
F.P
I&C
Cue:
Filter on
0
Volume of Filter
-inf
Violent/marcato near frog
f
norm.
ff
sul pont
molto sul pont

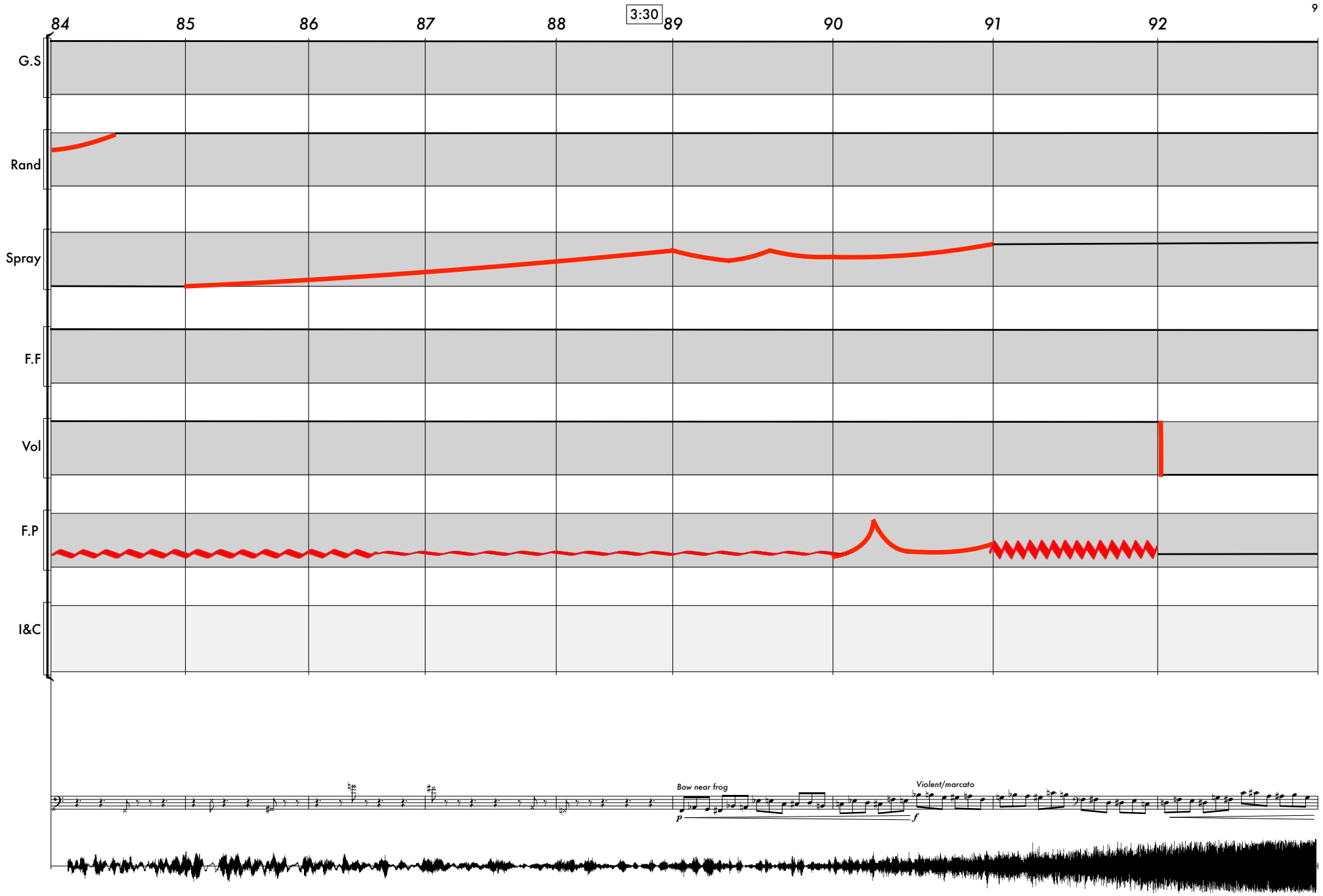

1:00
1:15
1:30
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
G.S
Rand
Spray
F.F
Vol
F.P
I&C
Cue:
Filter off
across bridge
windings
across bridge
windings

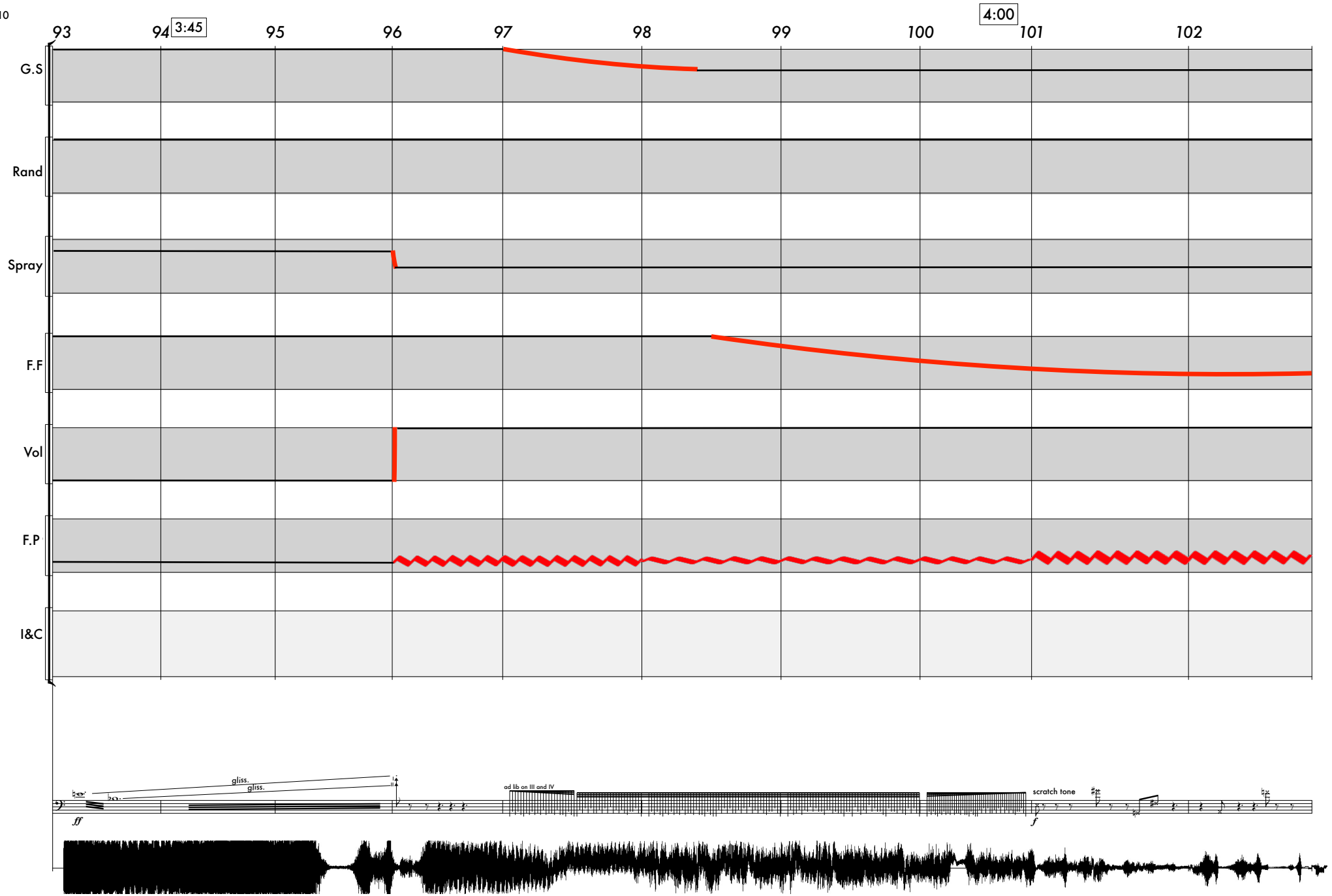

1:45
2:00
♩. = 118.75
♩. = 114
5
38
39
40
41
42
43
44
45
46
47
48
49
50
51
G.S
Rand
Spray
F.F
Vol
F.P
I&C
windings
simile
f
p

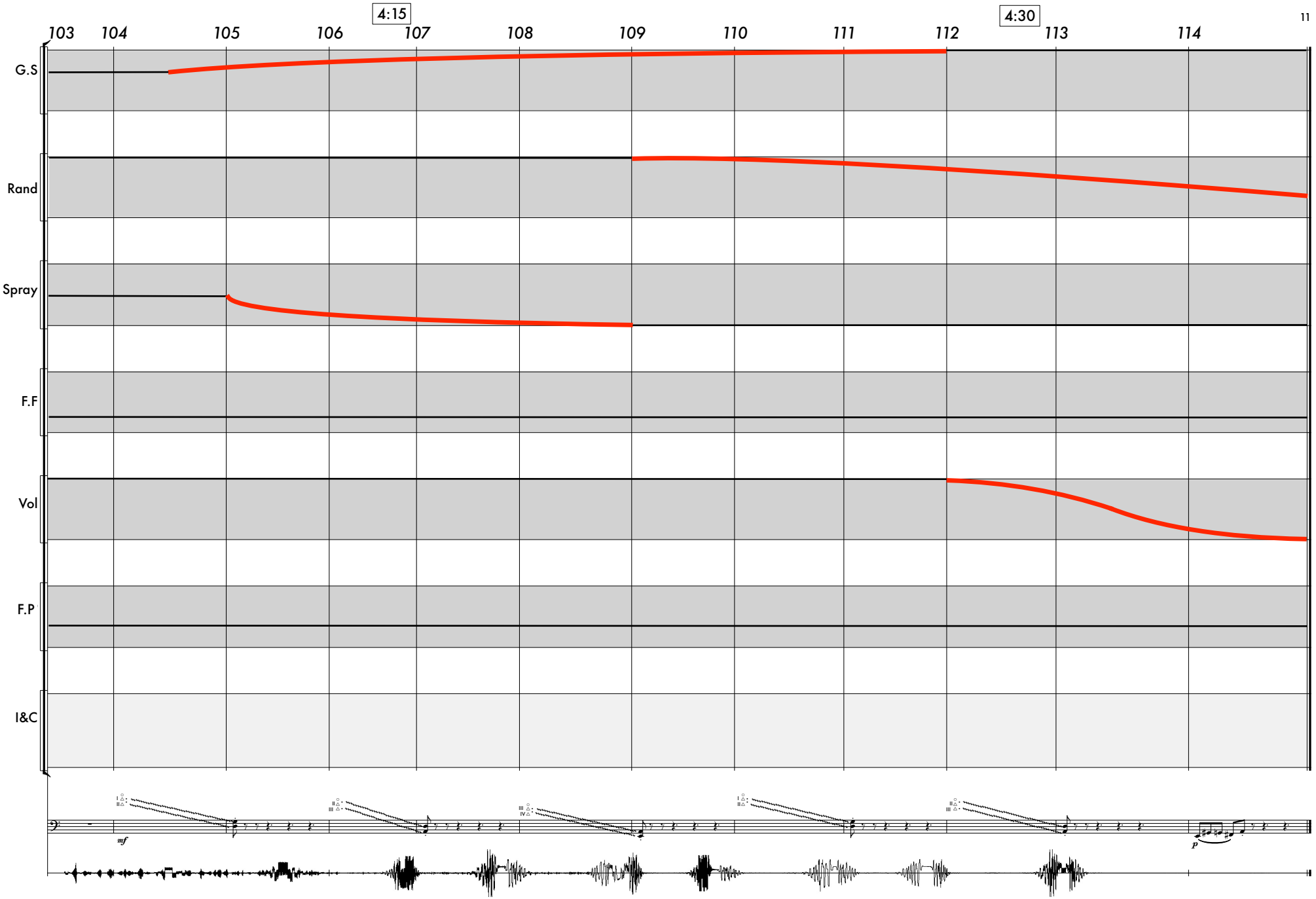

♩. = 106.875
♩. = 126.6
♩. = 101.3
♩. = 95 accel.
2:15
♩. = 120
52
53
54
55
56
57
58
59
60
61
G.S
Rand
Spray
F.F
Vol
F.P
I&C
f
mp
f
ff
p
f


62
2:30
63
64
65
66
67
68
69
2:45
70
G.S
Rand
Spray
F.F
Vol
F.P
I&C
gliss.
gliss.
gliss.
gliss.
ff
sul pont


♩. = 95
3:00
3:15
71
72
73
74
75
76
77
78
79
80
81
82
83
G.S
Rand
Spray
F.F
Vol
F.P
I&C
gliss past fingerboard
molto sul pont
windings
scratch tone


84
85
86
87
88
3:30
89
90
91
92
G.S
Rand
Spray
F.F
Vol
F.P
I&C
Bow near frog
p
Violent/marcato
f


93
94
3:45
95
96
97
98
99
100
4:00
101
102
G.S
Rand
Spray
F.F
Vol
F.P
I&C
gliss.
gliss.
ff
ad lib on III and IV
scratch tone
f


4:15
4:30
103
104
105
106
107
108
109
110
111
112
113
114
G.S
Rand
Spray
F.F
Vol
F.P
I&C
mf
p

Dialóg

Richard Hughes

[Double Bass]

Performance notes

Notated at actual pitch.

X noteheads indicate bowing across the bridge on the string notated.

Slashed noteheads indicate plucking with the left hand.

Ping noteheads indicate hammer-ons.

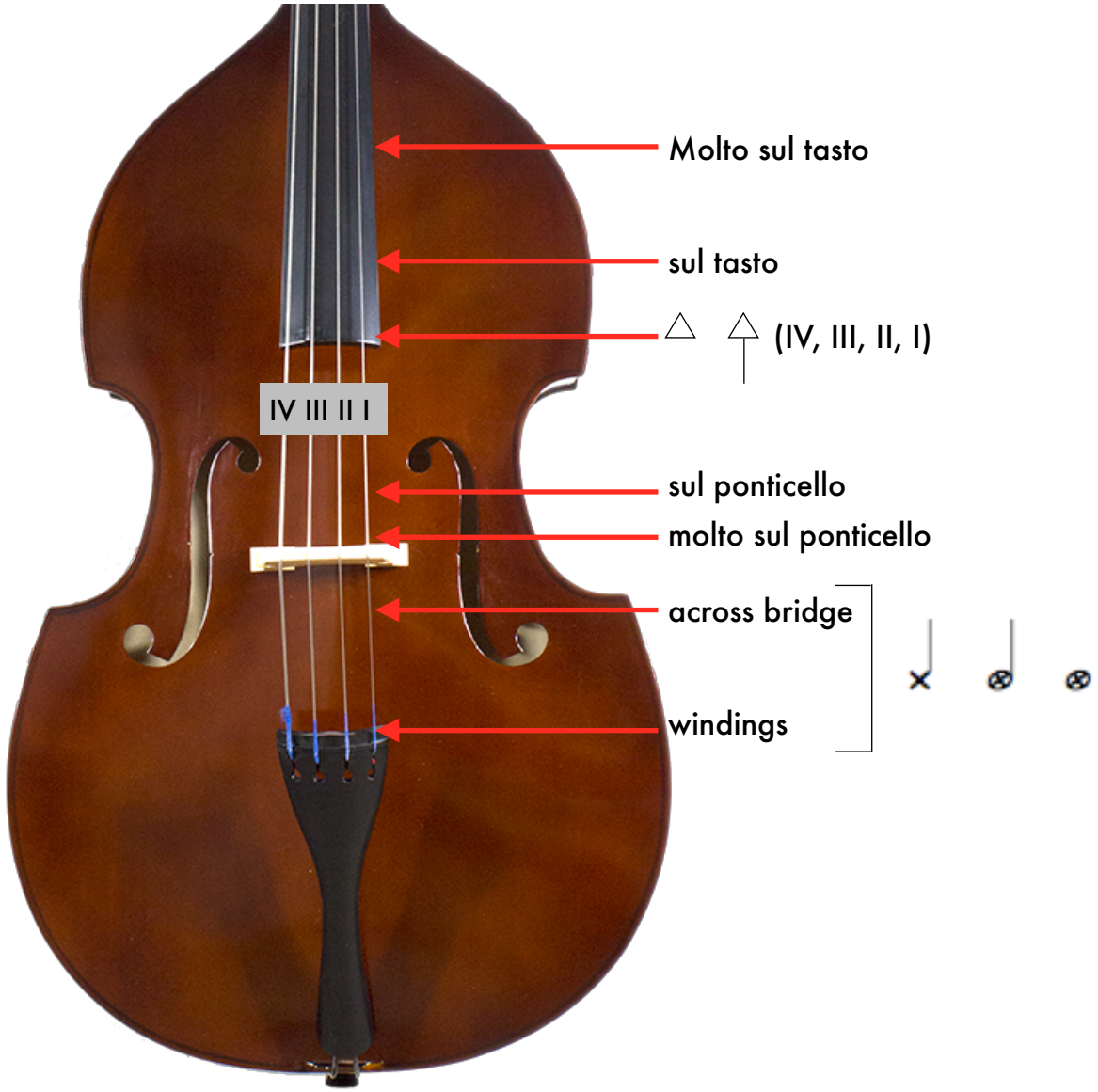
Cross noteheads indicate to produce a scratch tone

△

Triangle noteheads indicate to play as high up as possible on the fingerboard on the string indicated. (I, II, III, IV for the respective strings).

Harmonic glissando from pitch notated to open string.

A 2-axis MIDI controller is to be connected to the bow for bars 19 - 24. Possible setups are discussed in the electronics performance notes.

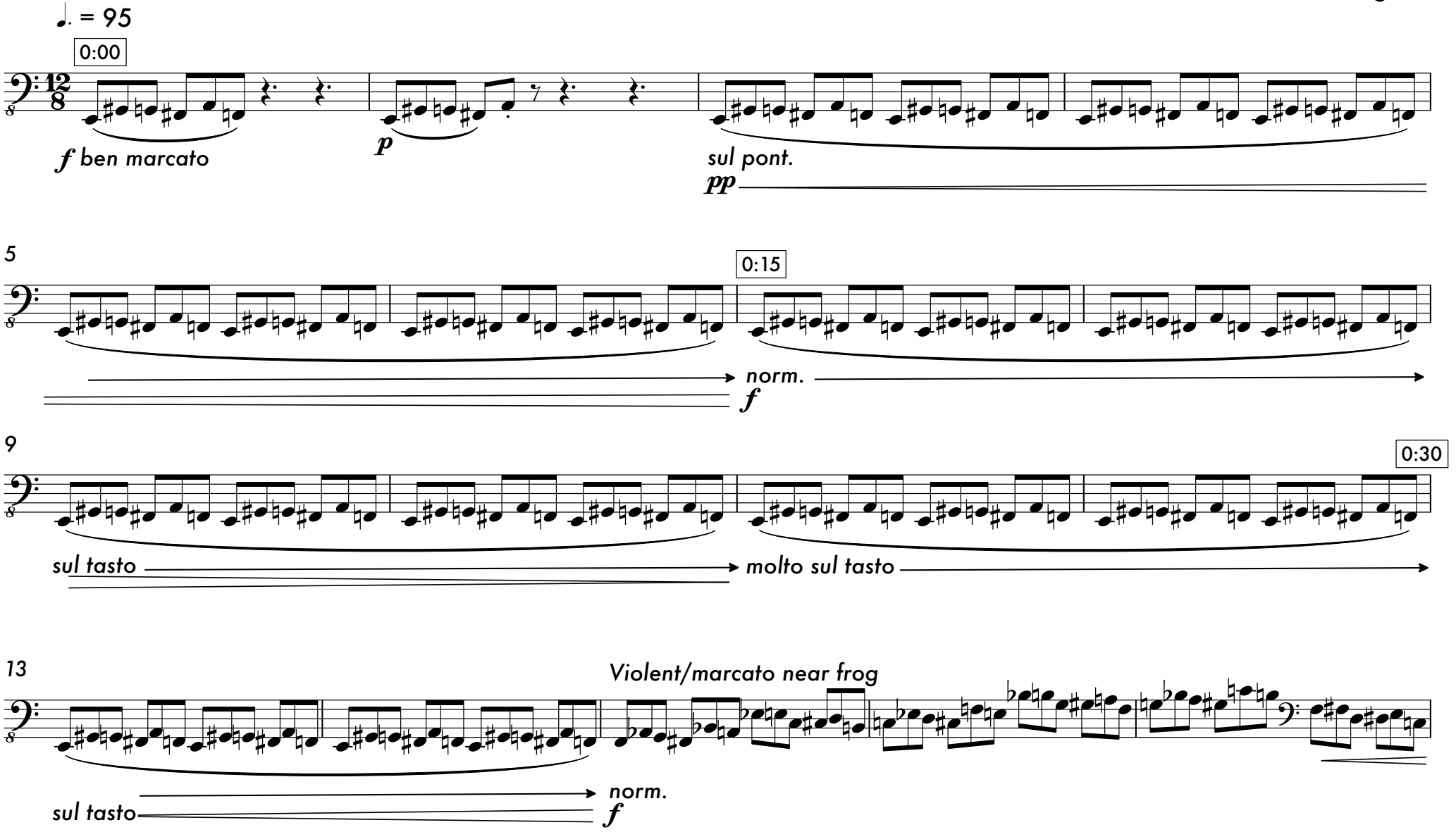

Molto sul tasto
sul tasto
(IV, III, II, I)
IV III II I
sul ponticello
molto sul ponticello
across bridge
windings

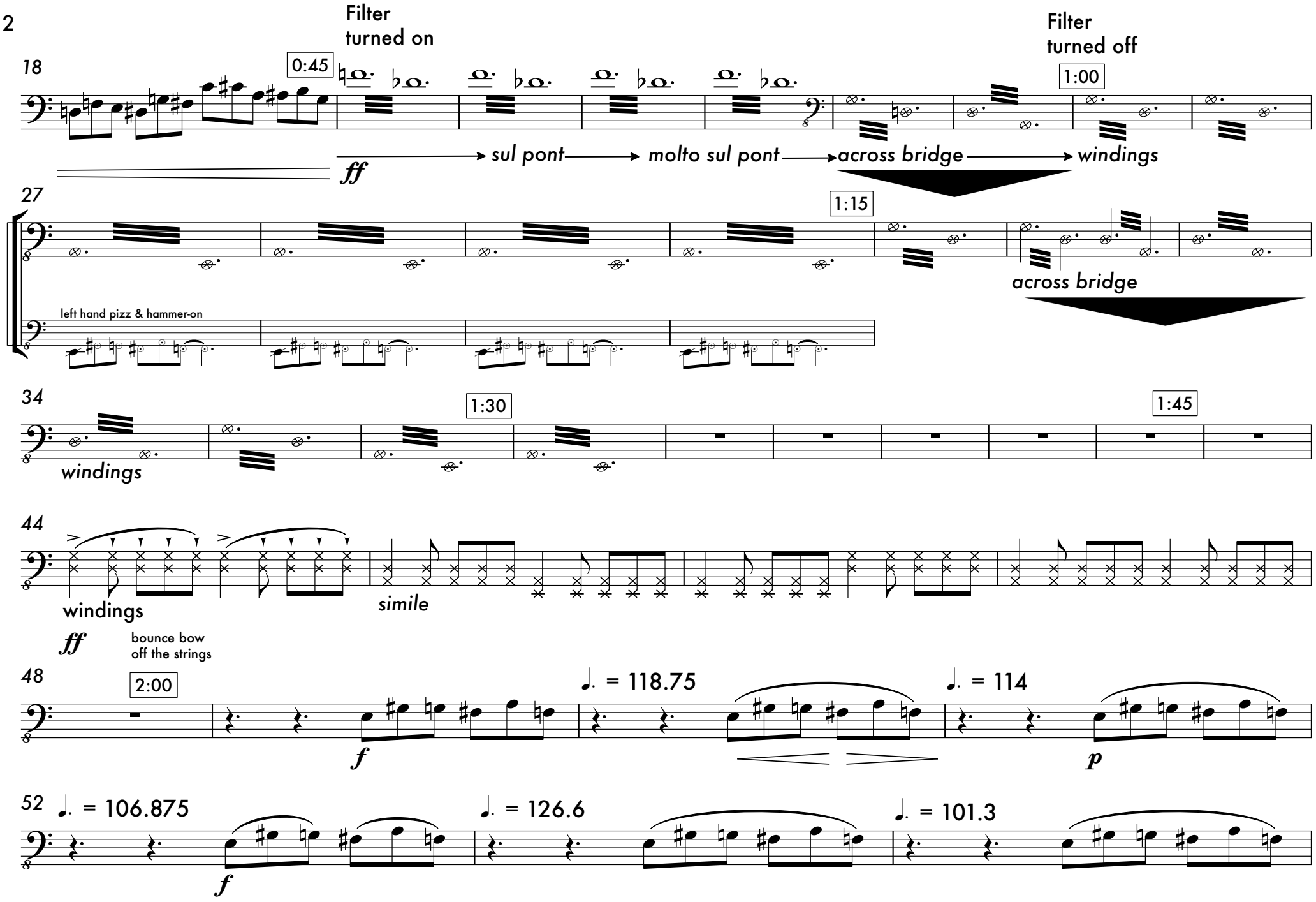
Double Bass

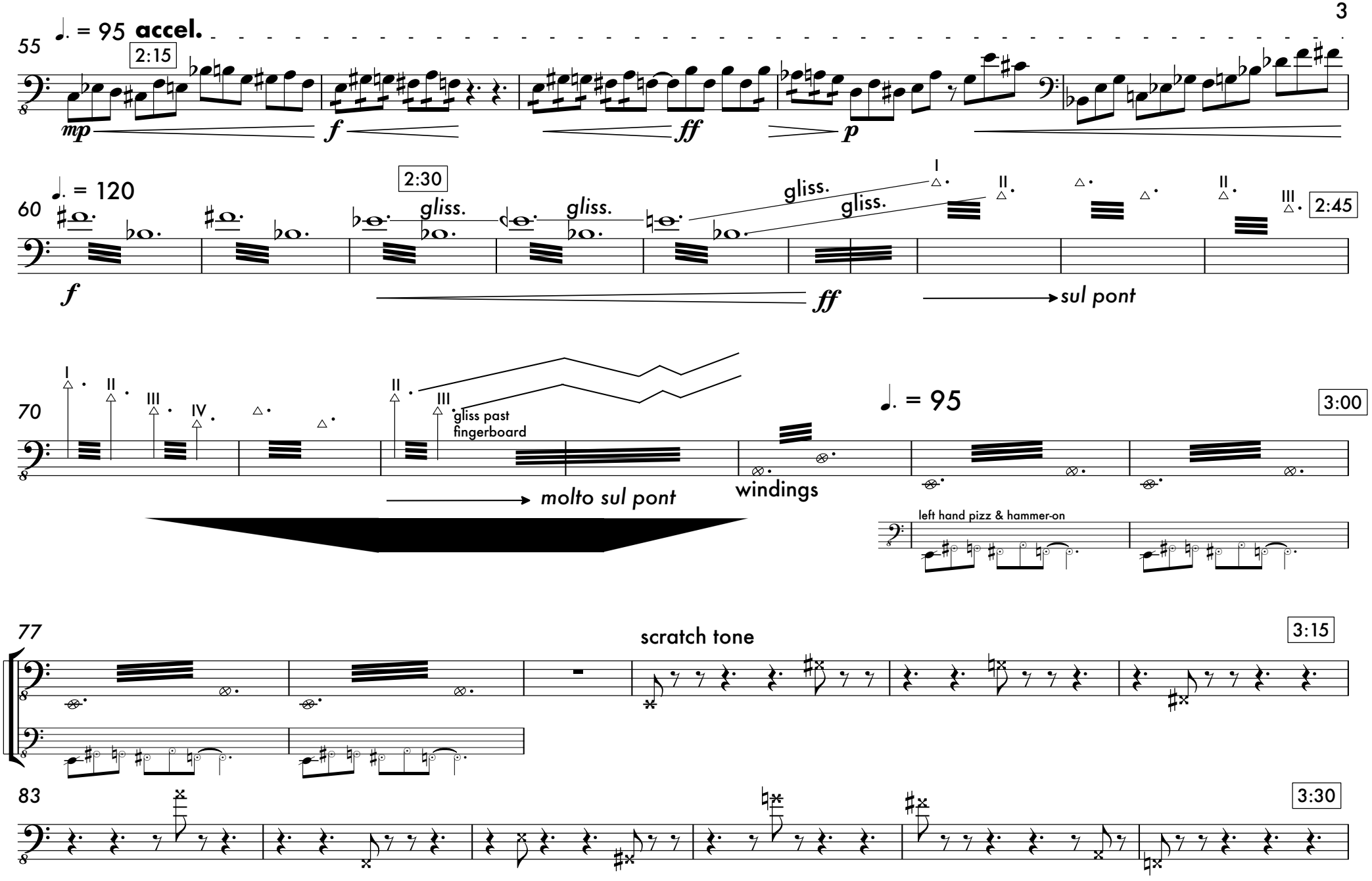
Dialóg

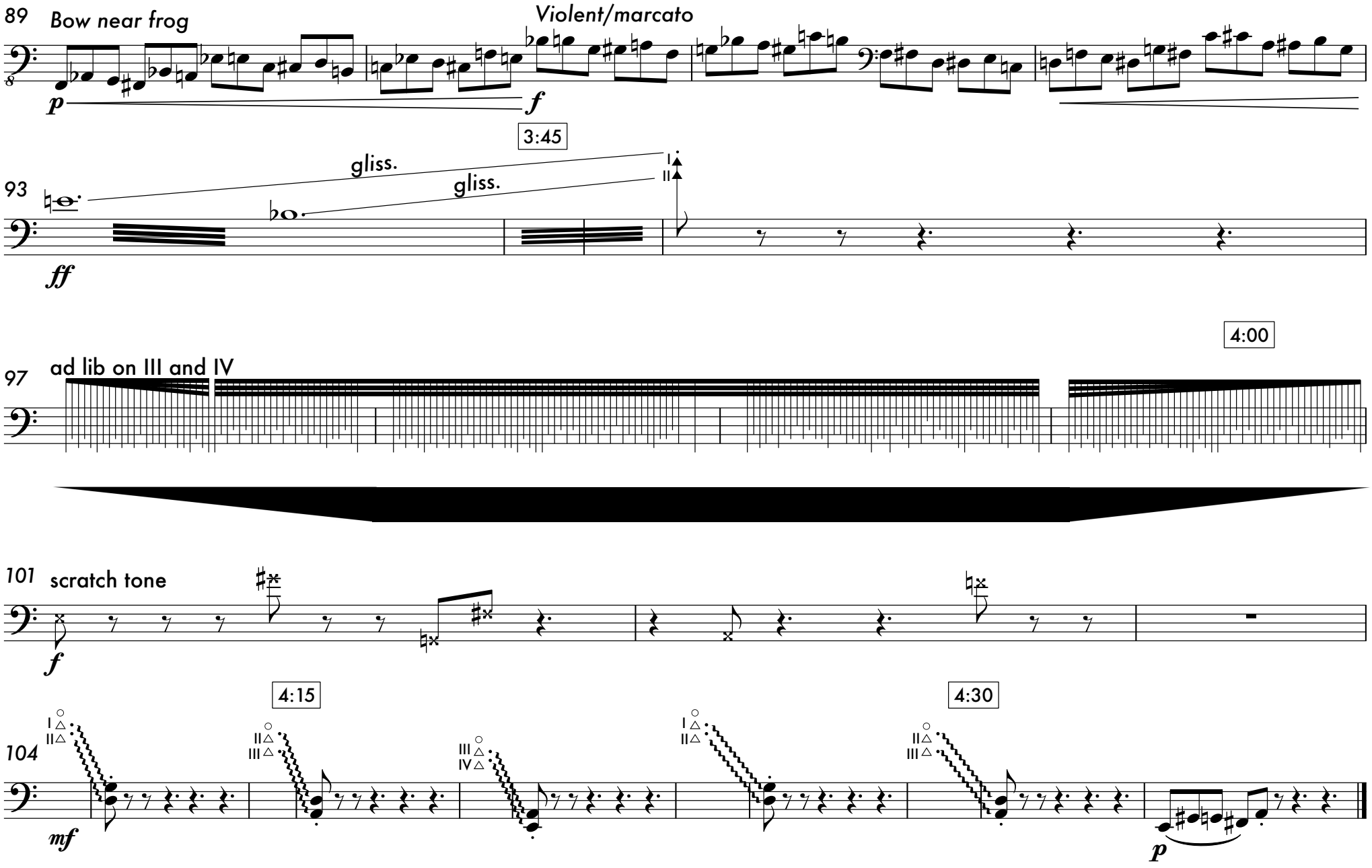
for Live Electronics, Double Bass & Tape

Richard Hughes




Filter
turned on
Filter
turned off
18
0:45
1:00
ff
sul pont
molto sul pont
across bridge
windings
27
1:15
across bridge
left hand pizz & hammer-on
34
1:30
1:45
windings
44
windings
simile
ff
bounce bow
off the strings
48
2:00
f
♩. = 118.75
♩. = 114
p
52
♩. = 106.875
f
♩. = 126.6
♩. = 101.3


55
♩. = 95 accel.
2:15
mp
f
ff
p
60
♩. = 120
2:30
gliss.
gliss.
gliss.
gliss.
I
II
II
III
2:45
f
ff
sul pont
70
I
II
III
IV
II
III
gliss past fingerboard
molto sul pont
windings
♩. = 95
3:00
left hand pizz & hammer-on
77
scratch tone
3:15
83
3:30


89
Bow near frog
Violent/marcato
p
f
3:45
93
gliss.
gliss.
I
II
ff
4:00
97
ad lib on III and IV
101
scratch tone
f
4:15
4:30
104
I
II
III
IV
mf
p