

UCLA

Contemporary Music Score Collection

Title

dipping

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2020

Oktawia Pączkowska

dipping (2019)

for amplified ensemble, electronics and live-video

Scoring:

Flauto basso, flauto grande (Fl. b., Fl.)

Clarinetto basso in Si ♭ (Cl. b. in Si ♭)

Sassofono baritono, sassofono contralto (S. bar, S. c.)

Batteria:

- Timpano (81-76 cm) (Timp.)
- Campana tibetana (piccolo)
- Gran cassa (G. c.)

- Crotali (Crt.) - scala cromatica:



- Waterphone (Wtph.)
- Lastra grande (Lstr.)
- 2 Piatti sospesi medio e grande (Ptt.)
- Gong tailandese (medio) (Gong)
- Tam-tam (grande) (Tmt.)

- Marimba



(Mar.)

Pianoforte (Pf.)

Violino I (Vn I)

Violino II (Vn II)

Violoncello (Vc)

Elettronica (El.)

Video

Duration: 12 min

An alternative notation was used in the score; metric - with a constant value $J = 60$, and the time axis (sec). In this way, phases with approximate duration within 4-second segments are controlled, as well as phases with strictly defined duration of rhythmic values within "measures" on 4/4. The duration of the value or rhythmic group placed in the frame is determined by the length of the line.

Technical notes:

Musicians should be placed outside the concert hall in a separate room (preferably a recording studio) with a possibility to output a signal to the mixer in the concert hall. Each instrument must be amplified. The room should have a display with a stopwatch and a second display with a preview of the concert hall. The performance takes place without the use of a click. Behavior of performers should be natural, like when performing on stage.

For technical reasons, it is possible to perform with a percussionist on stage. Amplification of the percussion is then optional.

Required equipment:

- projection screen with dimensions corresponding to the stage (if possible 3/4 the width of the room and at least 1/2 of its height)
- projector
- 2 computers (1 for video, 1 for electronics)
- computer with a monitor to display the stopwatch (if necessary, two monitors connected to one computer)
- analog camera + large monitor / TV
- 2 mixers
- 4 loudspeakers
- amplification
- communication between the studio and concert hall

The piece requires three performers of the electronics/video part.

1. The electronics performer (at the concert hall) uses a mixer placed in the middle of the concert hall, with inputs for computer and signal from the studio. The performer starts a .wav file in the given moment, and then controls the dynamic levels.
2. The video performer (at the concert hall) uses a computer connected to the projector to control the video. The installation of the *Resolume Arena 5* program is required.
3. Another performer, preferably a sound engineer (in the studio), does a stereo mix of the signal from the microphones of the amplified ensemble. The signal is then forwarded to the mixer at the concert hall.

The video performer is supposed to trigger the sequences designated in the score. Individual sequences are defined as "C1, C2," etc. (up to no. 21), which corresponds to the individual columns in the attached Resolume project. In some cases, it is possible for the performer to select one of the proposed sequences, then the columns that can be selected are separated by the "/" sign. Individual elements appearing on a given layer are defined by the letters Q, W, E, etc., which requires mapping the keyboard in the following way:

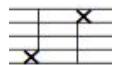
Column 22	Column 23	Column 24	Column 25	Column 26	Column 27	Column 28
1	Q	W	E	R	T	Y
	strobo	stroboskop s	tło	wizualki 1	fireworks	b98515bffad9df3...
2	A	S	D	F	G	H
	stroboskop w	koło wiele	b98515bffad9df3...	wizualki 1	1	księżyca z glitchem
3	Z	X	C			
	siatka 2	siatka 2	siatka 2			
4	V	B				

The number "0" extinguishes all running layers. Individual columns should be assigned to the keyboard according to the performer.

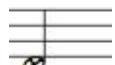
Performance notes:

The accidentals apply until the end of the “bar” (4-second segment)

Wind instruments:



- air sound (low register; high register)



- air sound combined with pitch



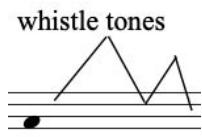
- frullato



- jet whistle (flute)



- slap tongue (clarinet, saxophone)



- very subtle sound based on harmonics

Sources of multiphonics charts:

Bass Clarinet - Ph. Rehfeldt, “Multiphonics for Clarinet”

Saxophone - M. Weiss, G. Netti, “The Techniques of Saxophone Playing”

Percussion:



- soft mallet



- hard mallet



- superball



- bow (preferably double bass bow)



- strike the singing bowl placed on a timpano



- scraping with a fingernail



- damping

Waterphone:

Wtph.



Notation:

The lines determine the sound range of the instrument (not register).



- rods



- resonator



- move the instrument in a circular motion during the sound

Marimba - preparation:

Put aluminum foil under the bars of the designated sounds:



Piano:

Required items to perform the piece:

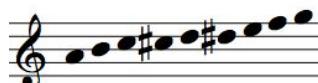
- EBow - electronic bow. The device applied to the strings causes its vibrations by means of an electromagnet. After pressing the pedal, the sound comes out after approx. 3 seconds.
- plastic hammer
- Blu Tack (mounting putty) for muting the strings
- guitar feather
- superball

Preparation:

Before the performance, mute the sound A4



During the piece (after 1'40"), the following sounds must be muted:



EBow:

a)



b)

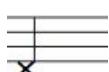


- vibrating sound effect, obtained by shifting the electronic bow so it covers two strings of the same sound (a); or placing EBow between the strings of adjacent sounds (b)



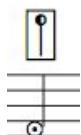
- sound modulation via the pedal, the dotted line indicates incomplete release of the pedal

Rest:

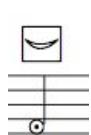


- muted sound

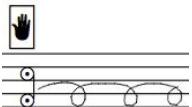
a)



b)



- performed inside the piano on the strings (hit with a mallet or scratch with a fingernail / guitar feather)



- circular movement with an open hand on the strings

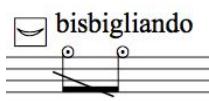
a)



b)



- pulling a superball stick along the strings, continuously (a), or allowing the head to bounce (b)



- plucking the two strings of the same sounds with fingernails (or guitar feathers)



- striking the nickel-plated with a plastic hammer

String instruments:

Scordatura (tuning):

Violin I:



Violin II:



Cello:



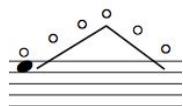
- quarter tone sharp



- quarter tone flat



- rhythmic tremolo



- harmonic glissando

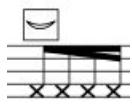


- behind the bridge (pitch indicates a particular string)

overpressure



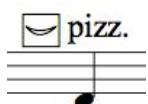
- the diagram determines the pressure of the bow



- uderzanie paznokciami o pudło rezonansowe



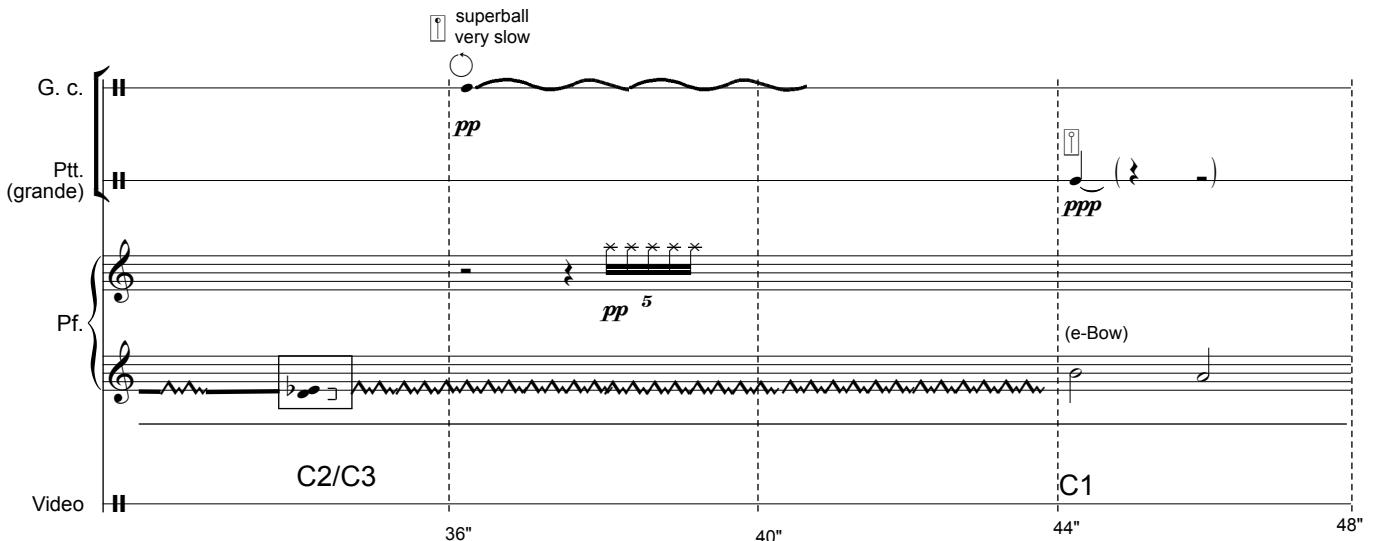
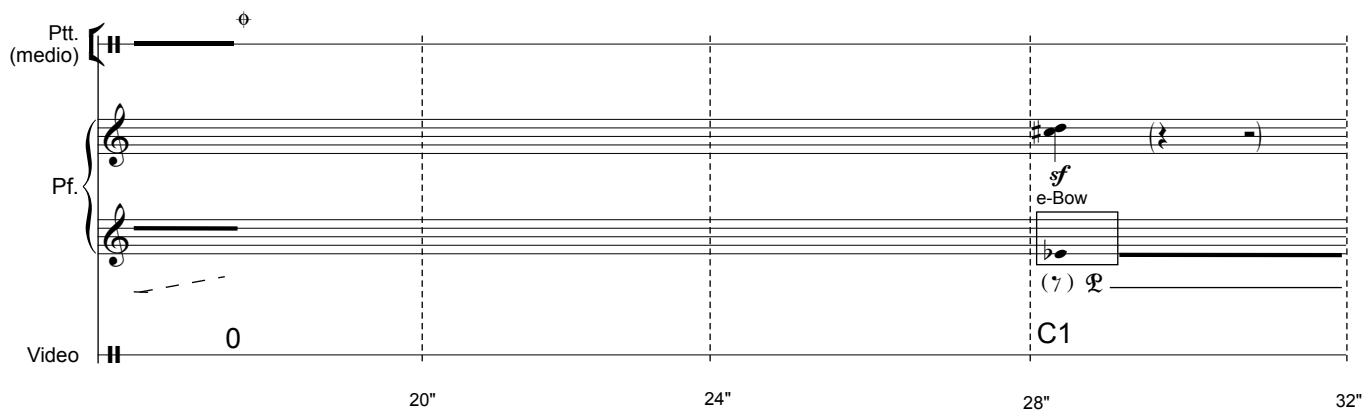
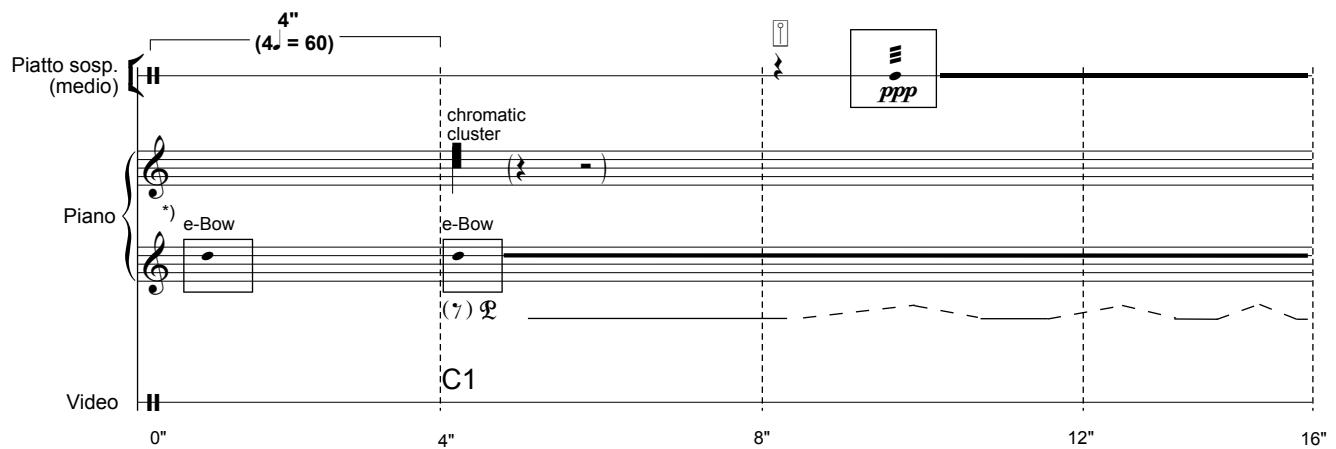
- Bartók pizzicato



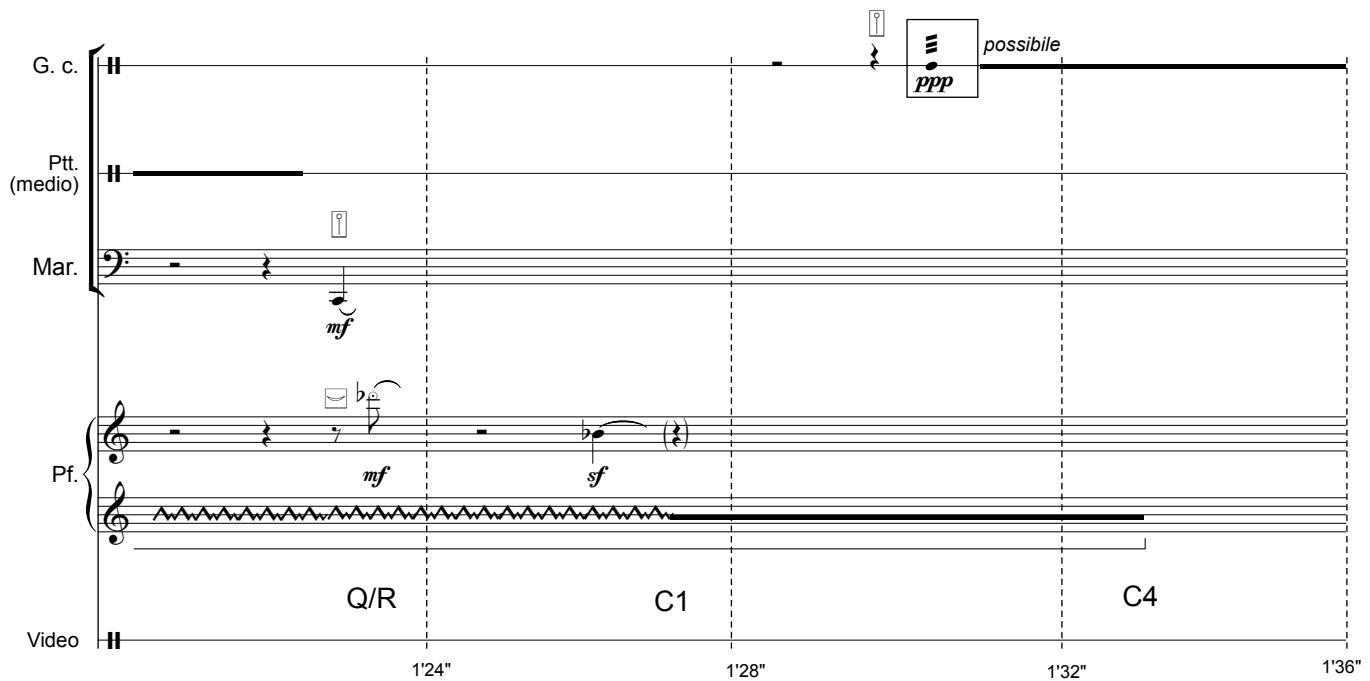
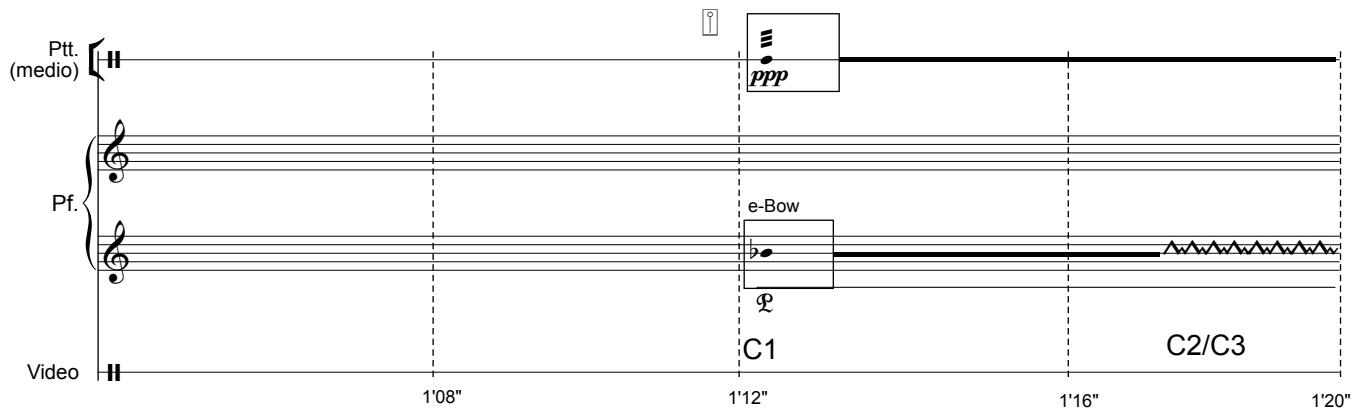
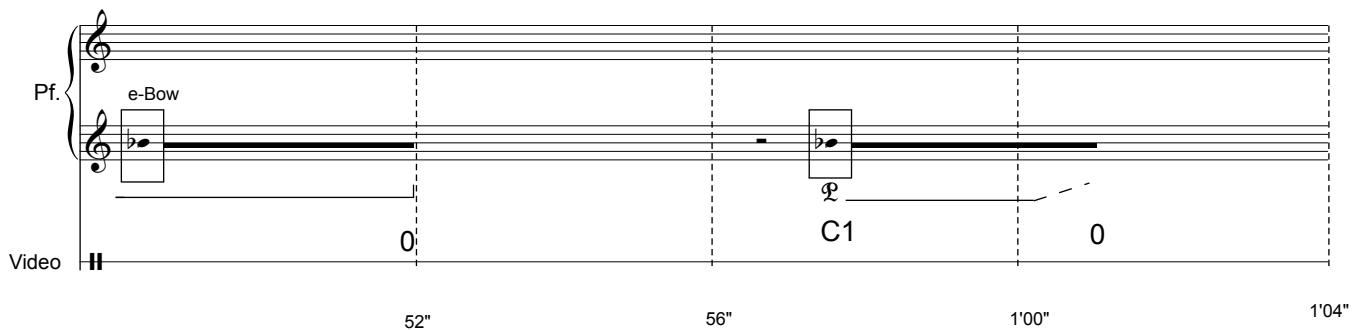
- fingernail pizzicato

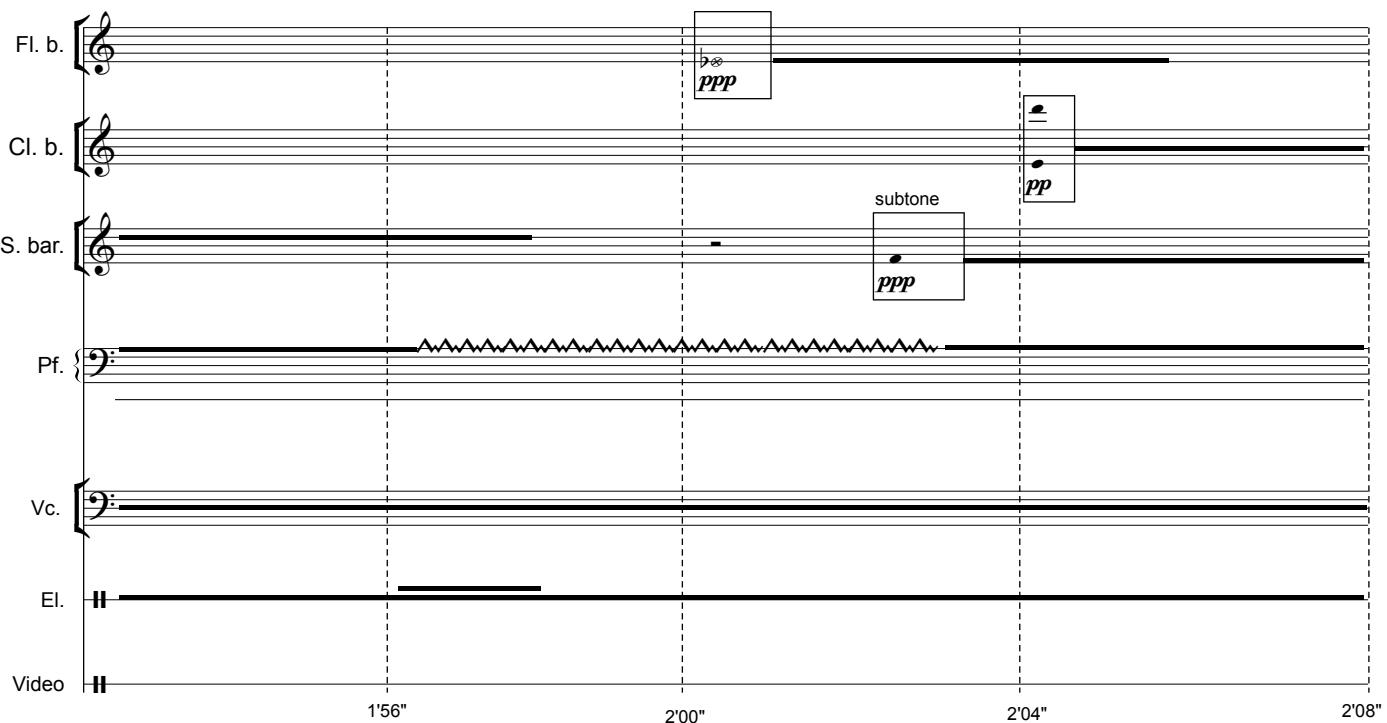
dipping

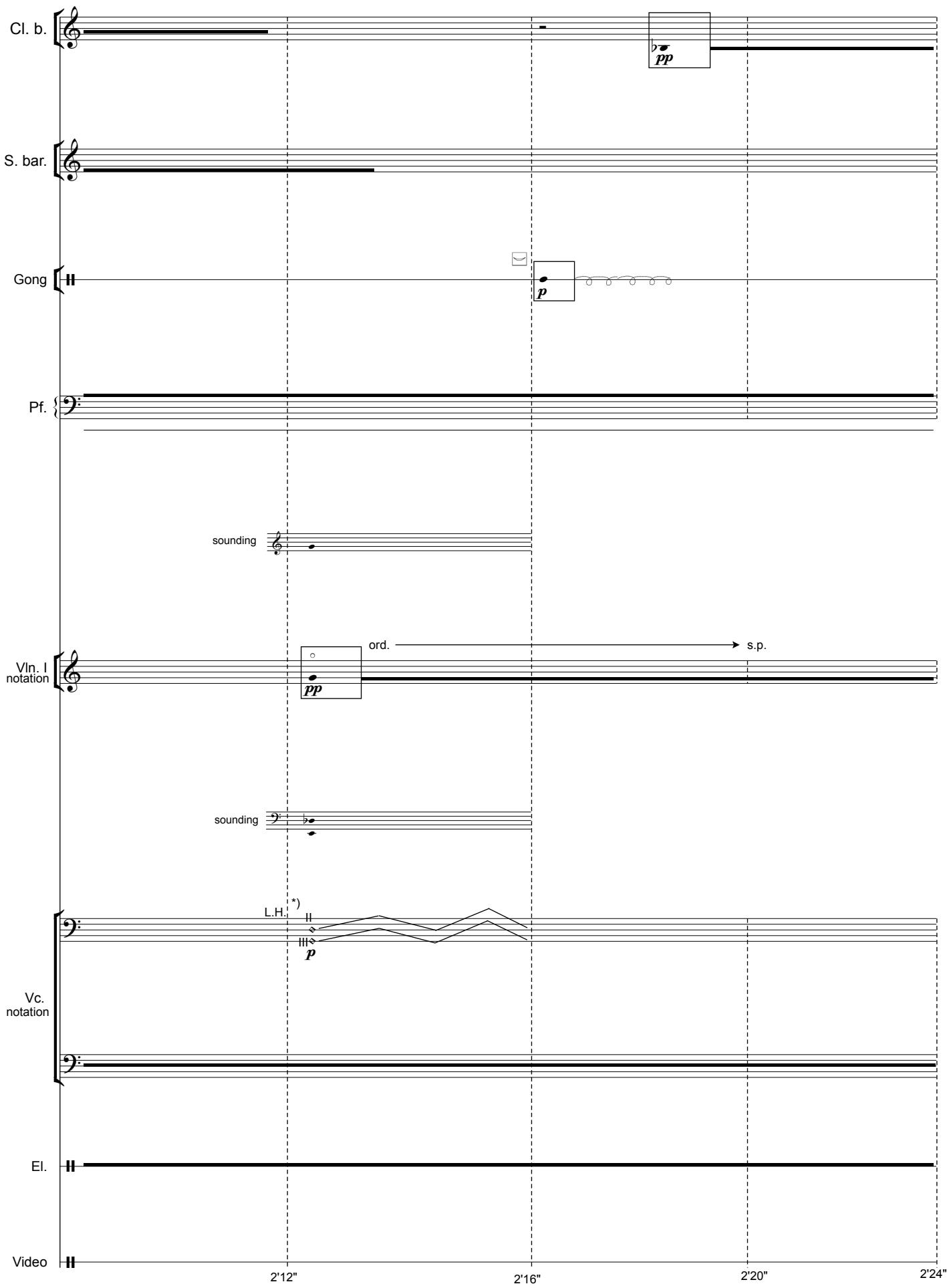
Oktawia Pączkowska (2019)



*) place the e-Bow on the indicated string







*) glissando with loose fingertips (left hand) - quasi flagelot

jet whistle 5

This musical score page displays a multi-layered composition across ten staves. The instruments include Flute bass (Fl. b.), Clarinet bass (Cl. b.), Bassoon (S. bar.), Timpani (Timp.), Bassoon (G. c.), Piano (Pf.), Violin I (Vn. I), Violin II (Vln. II), Cello (Vc.), and Electronic (El.) components. The Video layer is also present. The score is divided into measures by vertical dashed lines, with specific performance instructions and dynamics indicated within each measure. Key markings include *slow*, *gliss.*, *superball very slow*, *15^{mb}*, *mp*, *p*, *pp*, *sf*, and *jet whistle*. Measure numbers 64 and 65 are shown above the G. c. staff. The Vn. I staff has a bracket labeled "sounding". The Vln. II staff has a bracket labeled "notation" and includes a dynamic marking *pp*. The Vc. staff has a bracket labeled "sounding" and includes a dynamic marking *p*. The El. staff shows a series of dots and a wavy line. The Video staff is at the bottom. Time markers at the bottom indicate 2'28", 2'32", 2'36", and 2'40".

Fl. b. *ppp*

Cl. b.

S. bar.

Timp. *slow* *mp* *mf* *pp* *gliss.*

G. c. *mp* *mf*

Pf. *superball very slow* *15^{mb}* *mp* *15^{mb}* *mp*

Vn. I

sounding

Vln. II *flaut.* *pp*

notation

sounding

Vc. *p* under the strings \emptyset *) \emptyset \emptyset \emptyset

El.

Video

2'28" 2'32" 2'36" 2'40"

*) damping the strings with all fingers

Fl. b. non vib. → vib. → non vib.

Cl. b. pp

S. bar. 64 pp

Tim. gliss. mf

Pf. → 15mb mp

Vn. I na pudle rezonansowym pp pp

sounding

Vn. II s.p. notation p

sounding s.p. (s.p.)

Vc. notation p

El. Video R/Y 1

Fl. b. *pp*

Cl. b. *bisbigliando p*

S. bar. *subtone pp*

Lstr. *slow mp*

Ptt. (grande) *p mf*

Vn. I *bow under the string ord. z pp*

sounding

Vn. II *pizz. arco s.p.*
III *mf pp pp*

notation sounding

Vc. notation *ord. s.p.*

El. *Video*

vib. → non vib.

C6/C8

Fl. b.

Cl. b. 3

S. bar. 49

Crt.

Tmt

Pf. 15^{bb}
p
R

Vn. I notation

sounding

Vln. II notation

flaut.
g/s/s.
ppp

sounding

Vc. notation

pizz.
f

El.

Video

frull.
pp

pp

49

mf

pp < mf pp < mf

on the sounding board
pp mp pp

ord.
mf pp

arco
mp

C5/C7/C9

The score is divided into three vertical sections by dashed lines. The first section (measures 3'16" to 3'20") includes parts for Flute bass, Clarinet bass, Bassoon, Cello, Double Bass, Piano, Violin I, Violin II, and Viola. The second section (measures 3'20" to 3'24") includes parts for Flute bass, Clarinet bass, Bassoon, Cello, Double Bass, and Video. The third section (measures 3'24" to 3'28") includes parts for Flute bass, Clarinet bass, Bassoon, Cello, Double Bass, and Video. The piano part has a dynamic marking of 15^{bb} p R. The violin parts have dynamic markings of pp, mp, and pp. The cello part has a dynamic marking of f. The double bass part has a dynamic marking of mf. The video part shows a gray gradient bar from 3'16" to 3'24".

Fl. b.

Cl. b.

S. bar.

place the singing bowl (cmp. tib.)
on the timpano

Tim.

Tmt

Pf.

Vn. I
notation

Vn. II
notation

Vc.
notation

EI.

Video

pp *mf*
bisbigliando

pp

frull.
mp

f (—)

pp *ff*

slow
f

sounding
gliss.

pizz.
f

sounding

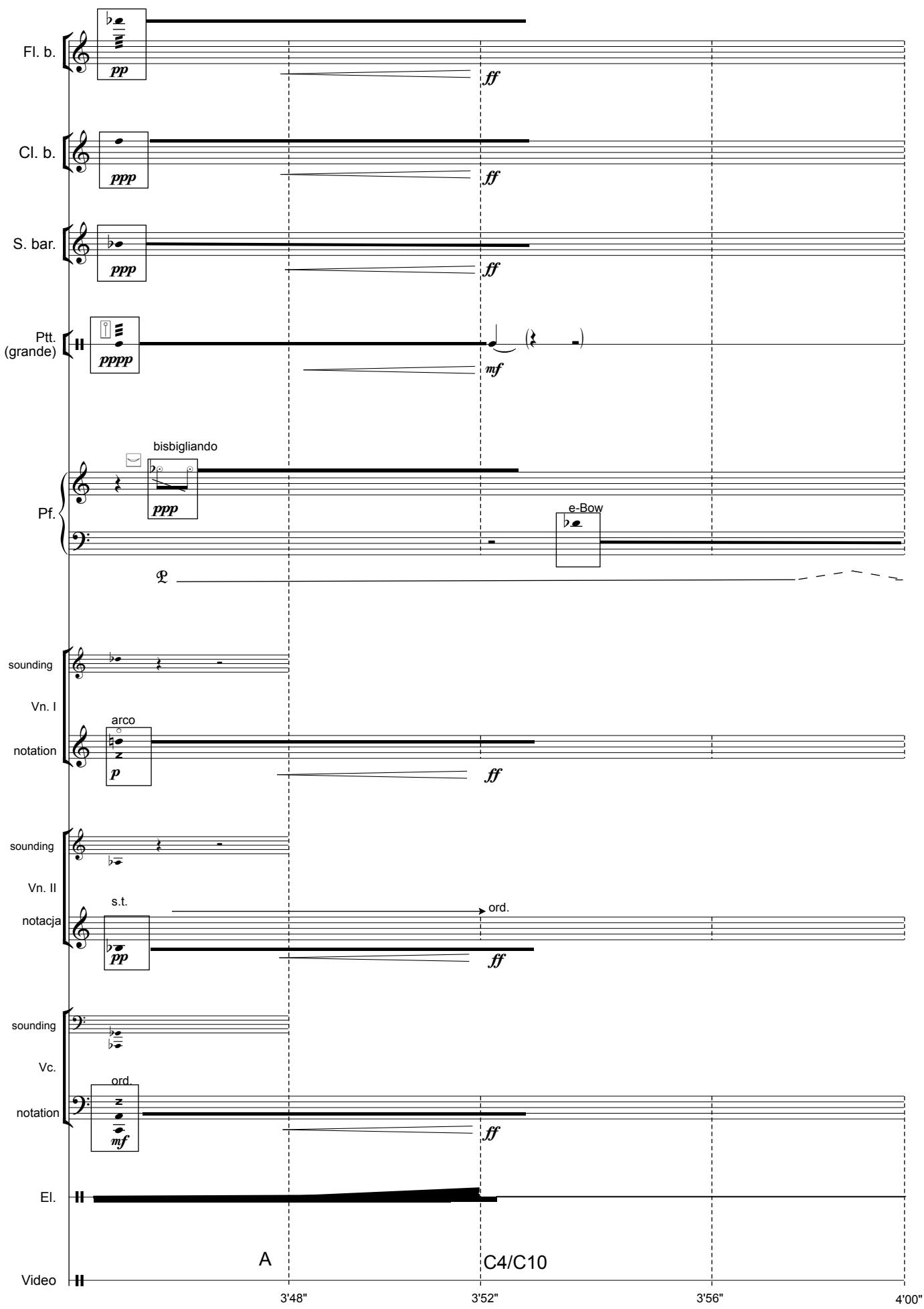
p *mf* *p*

sounding
pp *mf* *pp*

s.p.

S/G

10



*) naprzemienne szarpanie paznokciami (lub dwoma piórkami gitarowymi) dwóch strun tego samego dźwięku

Fl. b.

Cl. b.

S. bar.

G. c.

Lstr.

Mar.

Pf.

sounding

Vn. I

notation

sounding

Vn. II

notation

EI.

Video



This musical score page shows a multi-layered composition. At the top, woodwind instruments (Flute bassetto, Clarinet bassetto, Bassoon) play sustained notes with dynamic markings *p*, *p*, and *p*. The bassoon has a grace note and a fermata. Below them, the strings (Double Bass, Cello, Double Bassoon) play sustained notes with dynamics *pp* and *mp*. The violins (Violin I, Violin II) play eighth-note patterns with dynamics *p* and *p*. The piano (Pf.) plays eighth-note patterns with dynamics *pp* and *p*, followed by a forte dynamic *f*. The marimba (Mar.) and electric instrument (EI.) provide rhythmic patterns. The video layer (Video) at the bottom shows a grid pattern. The score is divided into measures by vertical dashed lines, with time markers at 4'04", 4'08", 4'12", and 4'16".

Fl. b. muta in Fl.

Cl. b. *p* < > *p*

S. bar. *bisbigliando* *pp*

Crt. *mf*

Ptt. (medio) *pp*

Pf. *bisbigliando* *f* *mp*

sounding

Vn. I notation

sounding

Vn. II notation

sounding

Vc. notation *mf* *p*

EI.

Video

Flauto *p*³

D/H

Fl. *mf*

Cl. b. *mf* > *mf* > *mf* : *f* > *f*

S. bar. *mf* < *f* subtone *pp*

Mar. *s.f.* *mp* *mf* >

Pf. *bisbigliando* *mf* *p*

Vn. I

Vn. II on the sounding board *pp* *mp* *pp*

Vc. notation sounding *z* *s.p.* *mp*

EI.

Video

4'36"

4'40"

4'44"

4'48"

2

Fl.

Cl. b.

S. bar.

Mar.

Pf.

Vn. I

Vn. II

Vc.

notation

El.

Video

pp 5 *mp*

f

sf

pp *mp*

sf

f

sf

e-Bow

mf *pp*

pizz.

pp *mp* *pp*

arco

sounding

pp

arco

pp

overpr.

ord.

s.p.

pp

C5/C6/
C7/C9

Musical score for orchestra and video projection, page 15, measures 5'08" to 5'20".

The score includes parts for Flute (Fl.), Clarinet in B-flat (Cl. b.), Bassoon (S. bar.), Trombone (Ptt. (medio)), Piano (Pf.), Violin I (Vn. I), Violin II (Vn. II), Cello (Vc.), Double Bass (El.), and Video.

Key features include:

- Flute (Fl.):** Playing eighth-note patterns. Dynamics: *mp*.
- Clarinet in B-flat (Cl. b.):** Playing eighth-note patterns. Dynamics: *pp*.
- Bassoon (S. bar.):** Playing eighth-note patterns. Dynamics: *pp*.
- Trombone (Ptt. (medio)):** Playing eighth-note patterns. Dynamics: *ppp*.
- Piano (Pf.):** Playing eighth-note patterns.
- Violin I (Vn. I):** Playing eighth-note patterns.
- Violin II (Vn. II) notation:** Playing eighth-note patterns. Dynamics: *s.p.*, *pp*. Includes a dynamic marking *8va*.
- Cello (Vc.):** Playing eighth-note patterns.
- Double Bass (El.):** Playing eighth-note patterns.
- Video:** A solid gray rectangle representing a video projection.

Performance instructions:

- sounding**: Above the Vn. II notation staff.

Time markers at the bottom of the page: 5'08", 5'12", 5'16", 5'20".

Fl.

Cl. b.

S. bar.

Crt.

Gong

Pf.

Vn. I

Vn. II notation

Vc. notation

EI.

Video

ff *ff* *pp*

f *ff* *ff* *pp*

ff *ff* *p*

f *f* sim.

sf *f5mb-1 mp* *f5mb-1 mp*

ppp ord. *p*

sounding ord. *p*

IV *ppp* II *ppp* sounding ord. *p*

pp

C13/C14

5'24" 5'28" 5'32" 5'36"

Fl. *f*

Cl. b. *f*

S. bar. *f* 5'36"

Crt. *f*

Pft. (grande) *pp* *f*

Mar.

Pf. *f* 3 (—)

Vn. I overpr. *mf* *f* *ppsub.*

sounding

Vn. II overpr. *mf* *f* *ppsub.*

notation

sounding

Vc. notation *f* *p* *f* *p*

EI.

Video 0 C13/C14 0 C5/C6/C8 5'52"

Musical score for orchestra and video projection, measures 5:56 to 6:08.

Measure 5:56:

- Fl.**: Dynamics **pp**, dynamic **f**.
- Cl. b.**: Dynamics **pp**, dynamic **f**.
- S. bar.**: Dynamics **pp**, dynamic **f**.
- Ptt. grande**: Dynamics **pp**.
- Mar.**: Dynamics **f**, dynamic **pp**.
- Pf.**: Dynamics **f**.
- Vn. I**: Dynamics **s.p.**, **z**, **pp**, dynamic **f**.

Measure 5:58: **sounding**

- Vn. II notation**: Dynamics **pp**, dynamic **f**.
- Vc.**: Dynamics **f**.
- El.**: Shaded gray bar.

Measure 6:00:

- Vn. II notation**: Dynamics **pp**, dynamic **f**.
- Vc.**: Dynamics **f**.

Measure 6:04: **C4/C10**

Measure 6:08:

- Video**: Shaded gray bar.

Time markers: 5'56", 6'00", 6'04", 6'08"

Fl. - *pp* gliss. *mf* gliss.

Cl. b. - *p* gliss. *mf* gliss.

S. bar. subtone *pp* gliss. *mf* gliss.

Ptt. (grande)

Mar.

Pf. e-Bow *sf*

Vn. I notacja *pp* ord. gliss. *mf* gliss.

sounding

Vn. II notation *s.p.* *pp* ord. gliss. *mf* gliss.

sounding

Vc. notation *s.p.* *pp* strike the sounding board with an open hand *sf* ord. gliss. *mf* gliss.

EI. Z/X/C V/B

Video

Fl.

Cl. b.

S. bar.

Ptt.
(medio)

Tmt.

Pf.

Vn. I

Vln. II
notation

Vc.
notation

EI.

Video

p 3

f

e-Bow

p

ppp

arco flaut

ppp

sounding

flaut.

ppp

sounding

bow under the strings

ord.

IV *pp*

p

A

C4/C10

6'44" 6'48" 6'52" 6'56"

Fl. *sf psub.* *mf*

Cl. b. *ff psub.* *ppp*

S. bar. *#p* *p* *ppp* *muta in S. alt.*

Crt. *f* *p*

Ptt. (grande) *ppp* *mp*

Gong

Tmt. *p*

Pf. *f* *sf*

Vn. I notation *s.p.* *p* *ppp*

sounding

Vln. II notation *s.p.* *p* *ppp*

sounding

Vc. notation *sf* *arco* *overpressure*

El. *2*

Video

7'00" 7'04" 7'08" 7'12"

Tmt. *mp*

Mar.

Pf. *e-Bow* *pp*

Vn. I *ord.* *s.t.* *p* *sf* *psub.*

sounding

Vn. II *ord.* *s.t.* *p* *sf* *psub.*

notation

sounding

Vc. *sf*

notation

El.

Video

A C11/C12 7'24"

Mar.

Pf.

Vn. I

Vn. II
notation

El.

Video

7'32"

7'36"

7'40"

7'44"

Ptt. (grande)

Mar.

e-Bow

Pf.

Vn. I

Vn. II

EI.

Video

7'48"

overpr.

7'52"

ff

overpr.

7'56"

ff

2

8'00"

Fl.

Cl. b.

S. c.

Ptt. (grande)

Pf.

Vn. II notation

sounding

Vc. notation

EI.

Video

8'04"

sf

8'08"

sounding

sf

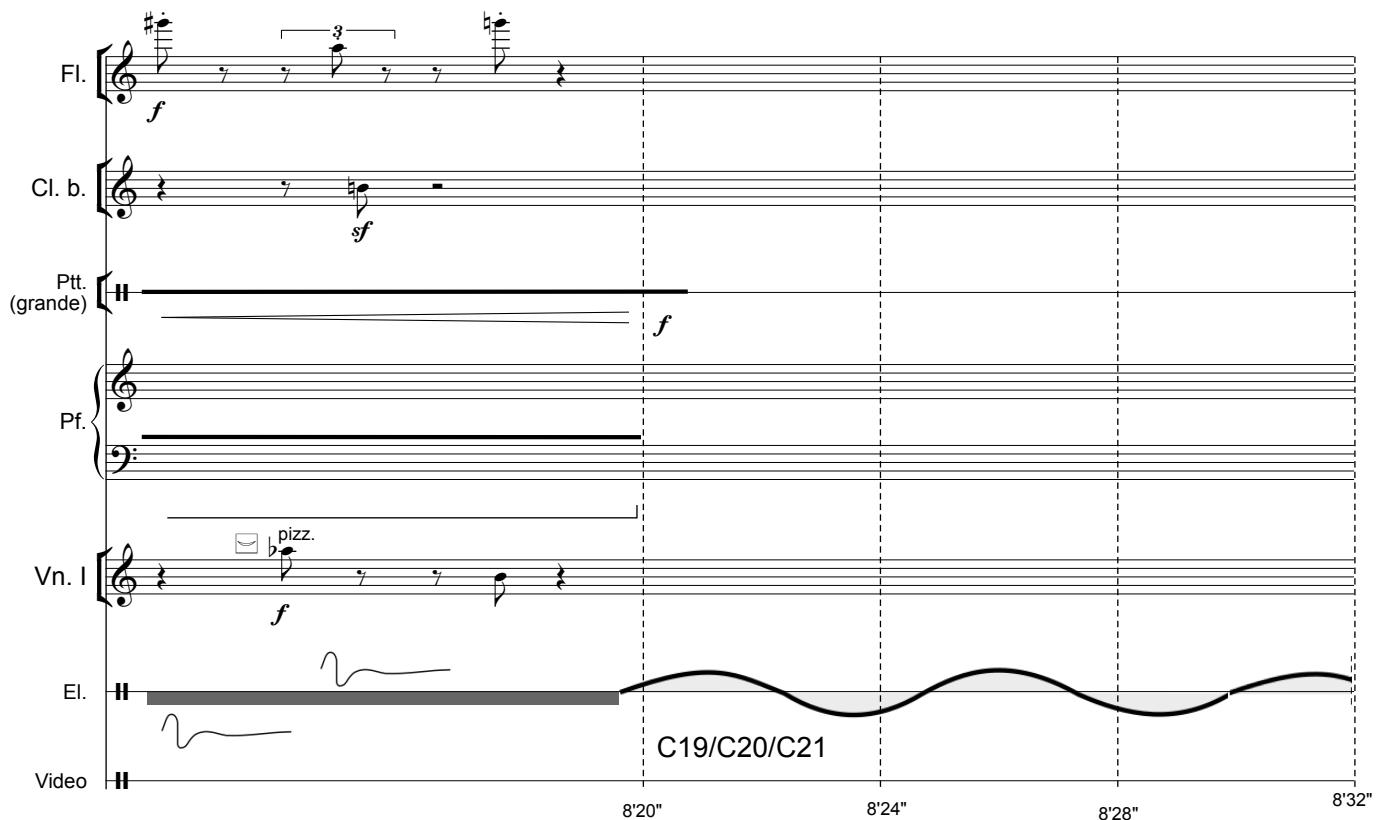
pizz.

8'12"

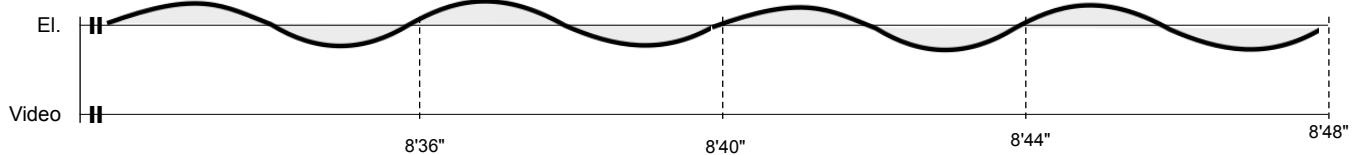
sf

sf

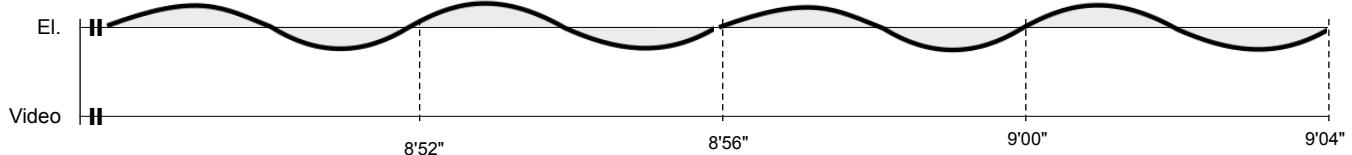
8'16"



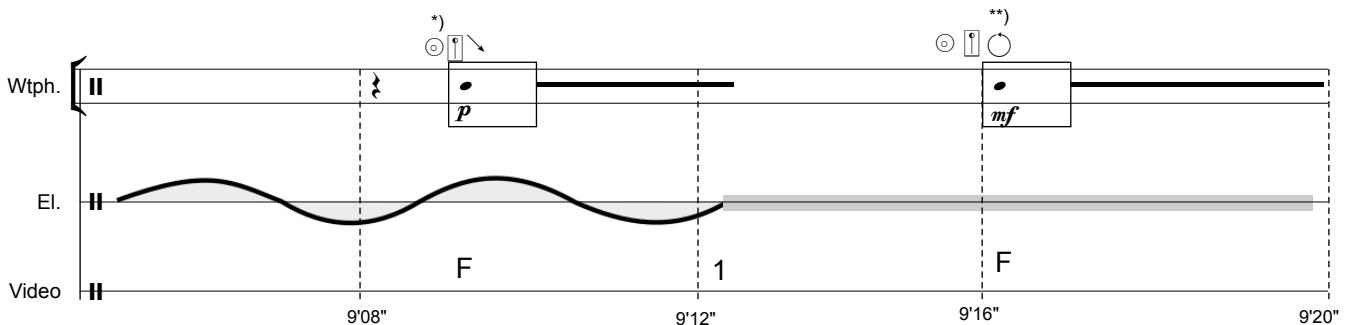
≡



≡



≡



S. c.

Wtph.

EI.

Video 1 F

15 *p*

9'24" 9'28" 9'32" 9'36"

==

Wtph.

Pf. e-Bow *p*

sounding

Vn. I arco flaut. *pp*

notation

EI.

Video V/B

9'40" 9'44" 9'48" 9'52"

==

S. c.

Wtph. *p*

Pf. e-Bow *mf*

Vn. I

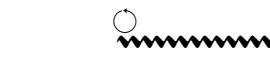
Vc. sounding *pp*

notation arco

EI.

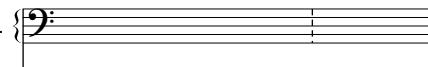
Video

9'56" 10'00" 10'04" 10'08"

Wtph. 
Pf. 
El. 
Video 

C4/C5

10'12" 10'16" 10'20" 10'24"

Pf. 
Vc. notation 
El. 
Video 

e-Bow
P
sounding
V
ppp

Z/X/C

10'28" 10'32" 10'36" 10'40"

Lstr. 
Pf. 
sounding 
Vc. notation 
El. 
Video 

ppp **p**
s.p. → **ord.** **(ord.)** → **s.t.**
mp → **pp** **mp** **ppsub.**
II **v**

10'44" 10'48" 10'52" 10'56"

Cl. b. 

S. c. 

Pf. -

sounding

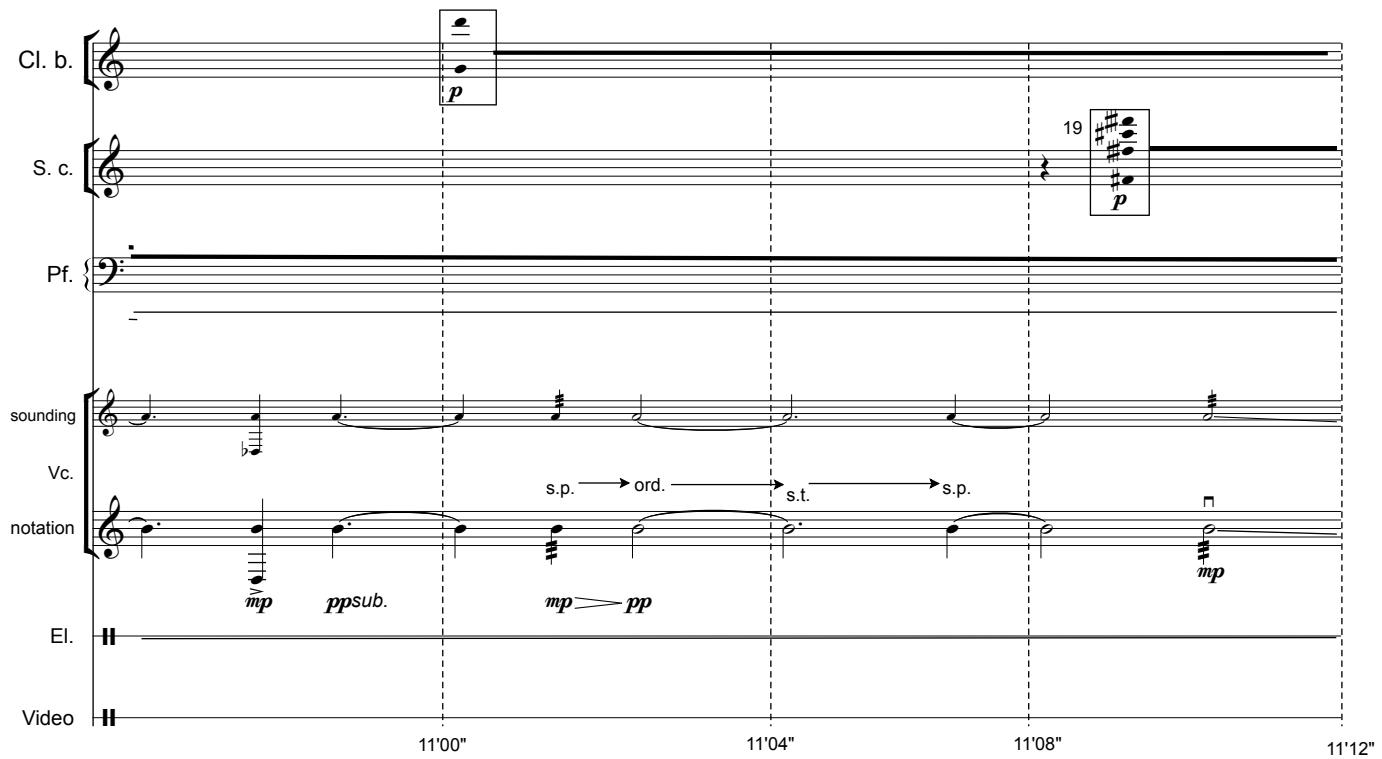
Vc. s.p. → ord. → s.t. → s.p.

notation 

EI. 

Video 

11'00" 11'04" 11'08" 11'12"



=

Cl. b. 

S. c. 

Crt. 

Gong 

Pf. -

Vn. I sounding 

Vc. sounding 

notation 

EI. 

Video 

11'16" 11'20" 11'24" 11'28"

D



Fl.

Cl. b.

S. c.

Wtph. *mf*

Pf.

sounding

Vn. I notation *p* *mf p* *mp* *pp*

sounding

Vn. II notation *ppsub.* *mp* *p* *ppp* *s.p. arco* *ppp*

sounding

Vc. notation *ppsub.* *mp* *p* *ppp* *p* *s.t.* *ppp*

Video

11'32" 11'36" 11'40" 11'44"

