

Benjamin Lieberman

Atmavictu

for Wind Quintet and Electric Guitar

(2019)

The **Guitar** should be tuned, from 6th string to 1st string, as follows: C2; G2; E3 -14c; Ab3 +41c; Bb3 - 31c; B3 -12. That is, the guitar is tuned to a C0 fundamental, where the 6th to 1st strings are respectively tuned to the 4th, 6th, 10th, 13th, 14th, and 15th partials. When quarter-tones are called for, the player must slightly bend the 3rd string. Chord diagrams and/or roman numerals are provided indicating fret number. In some instances, for legibility, some microtonal accidentals are omitted in chord clusters. However, the correct note will still be played if the chord diagram is followed. Altered quarter-tone symbols always indicate a note played on 3rd string, and sixth-tone-flat symbols always indicate a note played on the 2nd string.

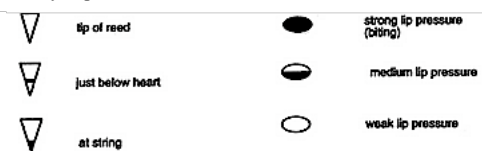
Fingering charts for each woodwind instrument are provided throughout the score, at least at the first occurrence of each microtone. These fingering charts are suggestive only. For some smaller microtones, only the closest pitch for which a chart was available is provided. If more than one microtone exists in a given measure, arrows and/or brackets are provided to clarify which diagram corresponds to which microtone. In addition, multiple fingering charts are often provided for the same pitch so that the player may determine the best balance between intonation and playability. The players are asked to make fingering and embouchure adjustments as they see fit. If precise intonation is impossible for a given pitch, an approximation to the closest quarter-tone or semitone is acceptable.

The **Flute** part calls for air sounds at times. The performance instructions as indicated throughout the score should be generally followed, but the flutist is welcome to improvise or embellish upon the notated rhythms or specific instructions according to their taste. All flute fingering diagrams come from Robert Dick's *The Other Flute*. The flutist is asked to play the piccolo in the section between Rehearsals F and H. Fingering diagrams are not provided here. The flutist is requested to determine best fingerings for the desired microtones.

In the **Oboe** part, all quarter-tone fingering diagrams come from *Oboe Unbound, Contemporary Techniques* by Libby Van Cleve, whereas all eighth-tone fingering charts come from *The Techniques of Oboe Playing* by Peter Veale.

The oboist is asked to perform a metamorphic multiphonic at measures 41-44. This multiphonic corresponds to metamorphic multiphonic 13, which can be heard at <http://libbyvancleve.com/oboe-unbound/>

The diagrams at measures 41-44 are also from *Oboe Unbound*, and indicate lip pressure and reed position, in addition to fingering. A key is provided below:



The oboist is also asked to perform double-tonguing on air at measures 154-157. The oboist should freely improvise, as long as the resulting sounds are quick and mainly unpitched. An example of this technique can also be heard at <http://libbyvancleve.com/oboe-unbound/>

The **Clarinet** part calls for several types of multiphonics. All of the multiphonics and their associated fingering charts come from <https://heatherroche.net/>. The multiphonics at measures 9-11 and 70-72 correspond to multiphonic nos. 12 and 28, and may be heard at:

<https://heatherroche.net/2018/09/13/27-easy-bb-clarinet-multiphonics/>

Dyad multiphonics at measures 40, 51, 137, and 138 may be heard here:

<https://heatherroche.net/2014/07/02/on-close-dyad-multiphonics-for-bb-clarinet/>

Spectral multiphonics at measures 43-48 and 79-81 are performed by overblowing the fundamental. Spectral multiphonics are notated with a diamond notehead at the fundamental pitch, and approximate desired higher partials with regular noteheads above the diamond. This technique, as well as the "downward sweep" called for at measure 43, is explained with audio examples here: <https://heatherroche.net/2016/09/26/spectral-multiphonics-bb-and-bass/>

All quarter-tone fingerings for the Clarinet are taken from Jason Alder's Clarinet Quarter-Tone Fingering Chart, which is publicly available at the following link: https://www.jasonalder.com/fingeringchart/Clarinet_quarter-tone_fingering-chart--Jason_Alder.pdf

The **Bassoon** part calls for multiphonics to be performed at measures 38-44, 47-54, and 64-69. The notated lowest pitch represents the closest fingering, not necessarily the sounding pitch. The fingering charts for the bassoon multiphonics, as well as for microtones, are ascii fingering representations as described in the Bassoon-Family Fingering Companion by Terry B. Ewell, and provided by The International Double Reed Society at <https://www.idrs.org/wp-content/uploads/2018/04/FINGHOME.htm>

All bassoon fingering charts for microtones used in this score were those provided by bassoonist Johnny Reinhard.

Reproduced below is an explanation of the ascii fingering representation, taken from the Bassoon-Family Fingering Companion:

Heckel Bassoon Key and Hole Names

HECKEL-SYSTEM BASSOON

e	eb	Eb	Db	c#	Bb	F#
x	x	x		x	x	F
d	c	a	c#	w	lock	Bb
Bb	B	C	D			

EXAMPLES

Heckel-System Bassoon Fingering for C#3:

PICTORAL REPRESENTATION

ASCII REPRESENTATION

x x x | o o o

c# w

D

Heckel-System Bassoon Fingering for Eb4:

PICTORAL REPRESENTATION

ASCII REPRESENTATION

x x o | (x) x x

OPTIONAL

An "x" indicates a covered hole or G key, an "o" (not shown here) indicates an open hole or G key. When the name of a key is given the key should be depressed. The sign "/" stands for a half hole, or in some instances a venting of the hole 1/4-3/4 open. The fractions 1/4 and 3/4 designates openings more or less than a half hole when the author specifies the size of the hole. Parentheses "(" indicate an optional hole or key. Trills are designated as "tr," with more complex trills written out as two or three fingerings.

For Mom, who first gave me music

Atmavictu

Benjamin Lieberman

(b. 1985)

Plaintive; Longing; Distant

Hn. $\overset{C}{\sim 5''}$ $\sim 4''$ $\sim 15''$ $\overset{6-8''}{\sim}$
 pp mp p mf pp mp n

Fl. $\overset{2}{\sim 3''}$ $\sim 3''$ $\sim 3''$ $\sim 10''$
 p ppp mp n

Hn. $\overset{C}{\sim 3''}$ $\sim 3''$ $\sim 3''$ $\sim 10''$
 p ppp mp n

Fl. $\overset{3}{\sim 59}$ $\overset{g}{\sim}$ $\overset{ti-ka-ti-ka... (air)}{\sim}$
 p mf n

Hn. $\overset{C}{\sim 59}$ $\overset{f}{\sim}$ $\overset{p}{\sim}$ $\overset{mf}{\sim}$ $\overset{p}{\sim}$ $\overset{mp}{\sim}$
 $< f$ p mf p mp

E.Gtr. $\overset{6}{\sim 59}$ $\overset{7fr.}{\sim}$ $\overset{n}{\sim}$ $\overset{mf}{\sim}$
 n mf

Fl. $\overset{6}{\sim}$ $\overset{mp}{\sim}$ $\overset{pp}{\sim}$ $\overset{mp}{\sim}$ $\overset{p}{\sim}$ $\overset{mp}{\sim}$
 mp pp mp p mp

Ob. $\overset{c}{\sim}$ $\overset{pp}{\sim}$ $\overset{mf}{\sim}$ $\overset{p}{\sim}$ $\overset{mp}{\sim}$ $\overset{pp}{\sim}$ $\overset{mp}{\sim}$
 pp mf p mp pp mp

B♭ Cl. $\overset{mp}{\sim}$ $\overset{pp}{\sim}$ $\overset{mf}{\sim}$
 mp pp mf

Hn. $\overset{mf}{\sim}$ $\overset{n}{\sim}$ $\overset{p}{\sim}$ $\overset{mp}{\sim}$
 mf n p mp

Bsn. $\overset{ppp}{\sim}$ $\overset{mp}{\sim}$ $\overset{pp}{\sim}$ $\overset{p}{\sim}$ $\overset{n}{\sim}$
 ppp mp pp p n

Blow directly into mouth piece. Widen and narrow space in your mouth to change shape of the sound.

ti-ka-ti-ka... (air)

gentle, toneless sputtering. indeterminate rhythm.

more assertive

Placement of breath accent or diaphragmatic accent (>) shows point of emphasis. Swell may begin slightly before, and should last for around an eighth note in duration.

airy-

resonant slaps (tabla-like)

Eb x x x | x o x
 C# F#

With slowly growing urgency

11  12fr.

E. Gtr. *n* *n < mf*

11  8va- 6fr.

Fl. *mf* *f > mp* *mf* *p sub.* *loco*

Ob. *assertive* *mf* *p sub.* *mf* *p*

B♭ Cl. *p* *mf* 5

Hn. *pp* *p* *mp* *n* *mp* *mf*

Bsn. *mp* *ppp* *mp*

15  8fr.

E. Gtr. *n* *n* *mf*

15  6fr.

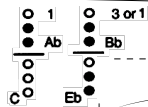
Fl. *mf* *pp* *mf* *air, unpitched*

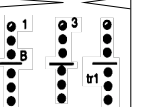
Ob. *mp* *p* *mf*

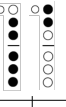
B♭ Cl. *p* *n* *p* *mp* *pure tone, no vibrato*

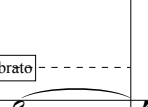
Hn. *p* *mf* *mp* *13* *mf*

Bsn. *p* *mp* *p*

 13fr.

 13fr.

 13fr.

 13fr.

19  2fr. 

E.Gtr. $n <$

Fl. ti-ti-ti ta ka p mf mf 10 f n

Ob. mp 11

B♭ Cl. 3 f mp f 13 mf mp

Hn. mf p

Bsn. mf p

A Undulating; Underwater (L'istesso Tempo: $\text{♩}=\text{♩}$)

In this section between Rehearsal A and Rehearsal B, dynamics should be mostly balanced such that instruments blend with slight undulations. Intensity should progressively increase with each successive system. The overall texture, regardless of intensity, should be shimmering, watery, and dream-like.

21  XVIII 

E.Gtr. n mp n mf n mf

Fl. n mf pp 3 p mf p mp p

Ob. mf p sub. 3 mf mp mf

B♭ Cl. n p pp mf p mf mp p

Hn. C p pp mp B mf pp

Bsn. pp mf p mf mf p

4 6fr. VIII VI XVI X

E.Gtr. *f* *n*

Fl. *mp* *mf* *mf* *p* *f* *pp*

Ob. *mp* *mf* *mp* *pp* *mp*

B♭ Cl. *mp* *p* *mf* *p* *mp* *pp*

Hn. *p* *B* *E♭ D♭* *mf*

Bsn. *mf* *mp* *pp*

13 13

E♭ C#
x x x | o x x x
a c# Bb

E♭
x o x | x x x x
Bb

2fr. IV II XVI 8fr. VII XIV 7fr.

E.Gtr. *n* *f*

Fl. *f* *mp* *mf* *p*

Ob. *f* *p* *mp*

B♭ Cl. *f* *mp* *mf* *mp* *mf*

Hn. *f* *p sub.* *mf* *mp* *sfz* *mp* *pp*

Bsn. *f* *mp*

Bolder
(D♭) C A♭ E♭ D♭ E♭ C

E♭
x x x | o o o
Bb

B A Violent Awakening

Twice as fast: $\leftarrow \text{♪} = \text{♪} \rightarrow$ ($\text{♪} = 118$)

[illegible][illegible]

6 **C** Slower; Cascading; Cavernous (♩=90)

This section should see a quiet intensity, slowly building.

In this section, the guitar chords should be relatively soft so as not to overpower, and the melodies should pop out, notably louder.

38

E.Gtr. *f* *p* *f*

Fl. *f* *p* *f*

Ob. *ppp* *p*

B♭ Cl. *mf* *mp* *f*

Hn. *mf* *p* *mf*

Bsn. *pp* *mf* *p*

42

E.Gtr. *p* *f*

Fl. *mp* *mf* *pp*

Ob. *f* *p* *mf* *ppp*

B♭ Cl. *p* *f* *pp* *p* *f*

Hn. *p* *mf* *ppp*

Bsn. *mf* *p* *mp* *ppp*

Okay to breath/re-articulate, just avoid barlines

*start of metamorphic multiphonic

dyad #38

Multiphonic. Lowest note represents closest base fingering, not (necessarily) sounding pitch.

spectral multiphonic - downward sweep to fundamental, then bring out higher partials. Approximate pitches.

47

E. Gtr.

mp

47

Fl.

f

ppp

mf

p

Ob.

f

p

mf

3

p

mf

ppp

B♭ Cl.

mp

mf

mf

Hn.

mp

ppp

mf

Bsn.

mf

pp

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

*F₄ if quarter-sharp not feasible at speed.

(Fingering for C quarter-flat.
Please adjust if possible.)

D
E

C# W

61 ^{2fr.} ^{4fr.} ^{2fr.}

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

mf *mp* *f* *f* *mp* *pp* *mp*

D

mp *f* *mp*

mf

E *Swaggering!*
Allegro

64 ^X ^{XII} ^{VI₃} ^{VIII} ^{VII₃} ^{III} ^V ^V ^{VII} ⁰ ^{II}

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

f *n* *ff* *mf* *f* *mf* *f* *mp* *f* *fp* *f* *fp*

Forceful *Forceful*

f *p sub.* *mf*

f *mf* *p* *f* *mf*

Resonant, hollow

tight, buzzing

wide, hard beating

68

E.Gtr. 13fr. 6fr. 3fr.

Fl. 6 *f* *mp* 3 *f*

Ob. *mf* 3 *p* *f*

B♭ Cl. *f* *mp* *f* *mp* *f*

Hn. *D_b* *F#* *D* *E* *G*

Bsn. *f* *mf*

With deep yearning

#28

f *mp* *f* *mp* *f*

f *mf*

A little calmer

72

E.Gtr. 6fr. 5fr.

Fl. 72 *short* *pp* *mf*

Ob. *short* *mp* *mf* *f* *ff* *mp sub.*

B♭ Cl. *short* *p* *mf* *ff*

Hn. *A short* *p* *B_b*

Bsn. *short* *f* *mp* 3

(F fifth-tone raised)
 o o o | o x o
 c# w Bb

(E₅ fifth-tone raised)
 (Db)
 x o o | x o o
 w Bb

80

E.Gtr.

Fl.

Ob.

B $\flat$ Cl.

Hn.

Bsn.

f *mp* *fff*

fff *sfz*

microtonal trill

*Fingerings for B $\flat_7$
Please adjust if possible.

*Fingerings for C $_4$
Please adjust if possible.

*Fingering for B $_6$
Please adjust if possible.

F Laid back; Loose; Gritty

Guitar should be loose; some improv/embellishments that stay within the groove are acceptable. Improvise dynamics. Be out front, but do not overpower.

83

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

f *pp* *pp* *mf*

+27c

+29c

(C)

13

Fingering for F₄ - - - - -

Please adjust if possible. Aiming for -20 cents.

f *mp* *pp*

86

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

Switch to piccolo

(C)

mp *mf* *p*

13

89

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

sharp, all air

sharp, all air

Very calm and even
(C)

mp

93

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

mp

ppp

p

pppp

p

mf

p

mp

pp

Fingering for F₂
Please adjust if possible.

Please approximate.

mp

p

mp

x	x	x	x	x	x	x	x	x	x	x	x

97

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

Fingering for F₄
Please adjust if possible.

untongued attack

mf mp *mf* *pp* *mp*

101

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

playful

dirty

covered

Fingering for B₁
Please approximate.

Fingering for A₁
Please approximate.

mf pp *p* *mf* *mf* *mp* *mf* *mp* *p*

105

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

p *mp*

f

mf *f* *mf*

13

E♭ w x x x | x o x F

C# | o o o |

B♭ w

x x x | x x o A♭

G In measures 108-115:
 Unaccented notes with a tremolo should form a stuttering, pulsating texture at around *pp-mp*. Accented notes with a tremolo should quickly "pop out" for the duration of one to three attacks or pulses at the indicated dynamic level, and then immediately recede back into the texture. The speed of the stutter, i.e., individual pulsations, should be around triplet 16th or 32nd notes, with some slight variation. Please achieve this effect either by staggering or shaking the air flow without tonguing or with very quick, light tonguing so that the individual attacks in the unaccented portions are not sharp or percussive.

108

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

f *n* *f*

p *ff* *pp*

mf *pp* *f*

f *pp* *f*

p *f* *mf* *mp* *pp* *f* *p* *mf* *pp*

6

f *p sub.*

3

E♭ w x x o | x x o F

a c#

110

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

mf *mp* *ff* *f* *pp* *mf*

mp *p* *mf*

mf *f* *mp* *pp* *f* *mp* *mf*

mp sub. *pp*

mf *f* *p* *f*

Okay to substitute C₄

Okay to substitute B₄

112

E.Gtr.

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

pp *f* *pp* *f* *mp* *f* *mp* *p* *pp* *mp* *f* *mf* *p* *fp*

untongued attack

**Okay to substitute E₄ if smooth connection is difficult.* *p* *mp*

13 *mf* *p sub.* *mp* *p*

mf *mp* *mf*

116

E. Gtr.

116

Picc.

Ob.

B♭ Cl.

Hn.

Bsn.

precise intonation not important here.
please just aim to be detuned from oboe.

playful, as before

mf *mp* *f* *p* *mf* *f* *mp* *f* *mp* *p*

This page contains the musical score for six instruments: E♭ Trombone, Piccolo, Oboe, Bass Clarinet, Horn, and Bassoon. The score is written in 2/4 time and includes various musical notations such as notes, rests, and dynamic markings.

- E. Gtr. (E♭ Trombone):** The part begins at measure 120 with a treble clef. It features a series of eighth notes, a triplet of eighth notes, and a half note. The dynamic marking *ff* is present.
- Picc. (Piccolo):** The part begins at measure 120 with a treble clef. It includes a series of eighth notes, a half note, and a rest. A box indicates "Switch to flute - re-enter at m. 127".
- Ob. (Oboe):** The part begins at measure 120 with a treble clef. It includes a series of eighth notes, a half note, and a rest. The dynamic marking *mp* is present.
- B♭ Cl. (Bass Clarinet):** The part begins at measure 120 with a treble clef. It includes a series of eighth notes, a half note, and a rest. The dynamic marking *f* is present.
- Hn. (Horn):** The part begins at measure 120 with a treble clef. It includes a series of eighth notes, a half note, and a rest. The dynamic marking *p* is present.
- Bsn. (Bassoon):** The part begins at measure 120 with a bass clef. It includes a series of eighth notes, a half note, and a rest. The dynamic marking *mf* is present.

123 0

E.Gtr. *mp* *f* *p*

Fl. 123

Ob. *mp* *f*

B♭ Cl. *f* *sub p* *mf* *p*

Hn. *pp* *mf* *mp* *mf*

Bsn. *f*

Ab Bb

B

13

Eb F#

x x x x x x F

W D

H Sharp-edged; Crystalline

126

E.Gtr. *f* *mp* *f*

Fl. 126 *f* *mp* *f*

Ob. *f* *pp* *mf*

B♭ Cl. *mf* *f* *pp* *mf*

Hn. *mp* *f* *n* *mf* *p* *mp* *p*

Bsn.

Play just behind clarinet.
Diffuse, airy tone.

*Please lip the G down slightly.
Approximate intonation.

*dyad #5

may substitute multiphonic of similar sonority and register if this one does not speak

133 *rubato*

E.Gtr. *More unsure; inquisitive*

Fl. *More unsure; inquisitive*
 3 *mp* *pp* *mf* *n* *loco*

Ob.

B♭ Cl. *More unsure; inquisitive*
 Play just behind flute. Subtones.
 3 *mp* *p* *mf* *p* *mp* *mp* *pp*

Hn.

Bsn.

dyad #38 dyad #33 dyad #1 dyad #131

139 *A tempo*

E.Gtr.

Fl. *p* *ppp* *f*

Ob.

B♭ Cl. *p* *mf* *p* *mp*

Hn. *E* *mp* *p* 13

Bsn.

pp *mf*

I Ethereal; Ominous

In this section, breath accents should be played as surges in volume around one eighth note to one quarter in duration. Larger volume changes and tempo are somewhat loose.

144

E.Gtr. *p*

Fl. *n* *mf* *n* sharp "S." improvise rhythm and air sound variations. No tone.

Ob. *f* *n* *pp* *f*

B♭ Cl. Up to next rehearsal mark, improvise variations in air/tone ratio. *pp* *mp* *p* breath on beat 3 if needed

Hn. *p* *mp* *pp* *mf* *mp* *p*

Bsn. *pp* *p* *mp*

151

E.Gtr. 3fr.

Fl. 151 *pp* *f* *mp* *f* *p* Blow directly into mouth piece. Widen and narrow space in your mouth to change shape of the sound. The flutter should emerge as if an extension of the guitar. air flz. tone Continue to vary air/tone balance

Ob. *p* *ppp* Double-tonguing on air. Rhythm freely determined. breath if needed

B♭ Cl. *mf* *pp* *n*

Hn. *pp* *mf* *pp* *pp* *p*

Bsn. *pp* *mp* *n*

J Misty; Elusive

V.P.

159  6fr.

E.Gtr. *n* *mf*

Fl. 159 (>) *n*

Ob. *p* *mf*

B♭ Cl. *mp*

Hn. *p* *mp*

Bsn.

162  8fr.  11fr.  11fr.  11fr.

E.Gtr. *p* *mf* *mp* *n* *p*

Fl. 162 *ppp*

Ob. *start gliss.*

B♭ Cl. *mf* *mp*

Hn. *C* *pp* *mp* *B* *pp* *mf*

Bsn. *mp* *mf*

x x x	o o o
	Bh

			E♭ F♯
x	x	x	x x x F

Weeping

173 0

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

pp *p* *f* *mp* *f* *pp* *mp* *mf* *mp* *p* *f*

D **D_b** **C**

6 13

K Passionate; Wistful; With Deepest Longing

176

E.Gtr.

Fl.

Ob.

B♭ Cl.

Hn.

Bsn.

fp *mf* *p* *f* *pp* *mp* *f* *p* *mf* *mp* *f* *mf* *mp* *f* *mf*

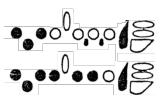
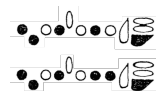
(Fingering for B₂. Please adjust if possible.)

(Fingering for G quarter-sharp. Please adjust if possible.)

(Fingerings for B₂. Please adjust if possible.)

C **B_b**

n

180

Fl.

Ob.

Hn.

mf

(B $\flat$)

C

3



All-out, full intensity



182

E. Gtr.

f

rapidly fluctuate in volume *f-fff* at breath accents (approximate)

quasi-improv striking chord and playing figure

Fl.

p

fff

rapidly fluctuate in volume *f-ff* at breath accents (approximate)

Ob.

ff

rapidly fluctuate in volume *f-ff* at breath accents (approximate)

B $\flat$ Cl.

ff

rapidly fluctuate in volume *mf-ff* at breath accents (approximate)

Hn.

(C)

ff

rapidly fluctuate in volume *mf-ff* at breath accents (approximate)

Bsn.

ff

p

f

185

E.Gtr.

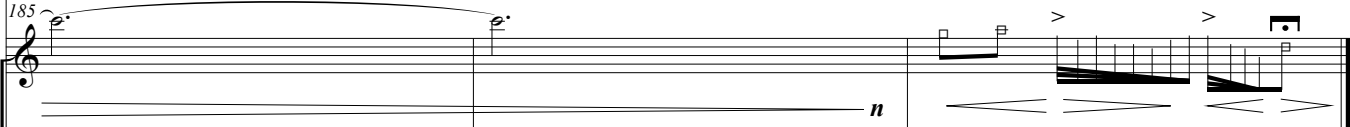
Let decay *a niente*



all air. gentle sputtering. Improvise rhythm.
Hold last exhale, *diminuendo*, until completely
out of breath.

185

Fl.



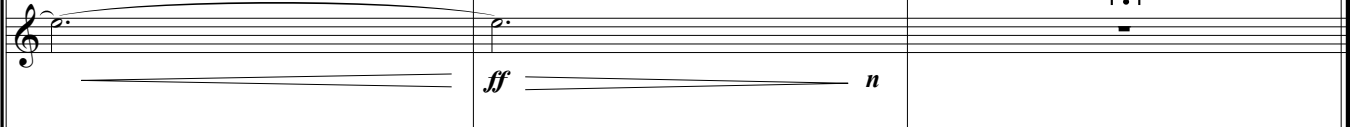
n

Ob.



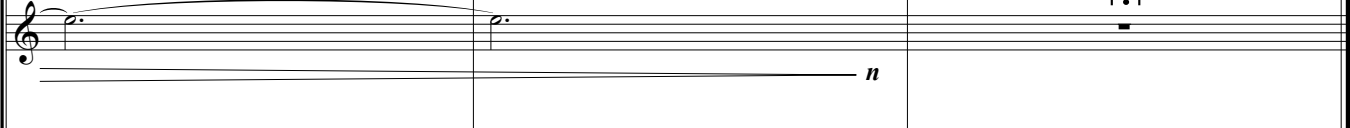
n

B♭ Cl.



ff *n*

Hn.



n

Bsn.



n