

dedicated to Philipp Diederich & Mariana Hernández

ohne Titel (3)
for violin, alto saxophone & radio orchestra

Levin Eric Zimmermann

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25.08.2021

The musical score consists of three staves of music for violin. The first staff shows a continuous line of notes from measure 34:10 to 34:15, with a grace note at the beginning. The second staff shows a similar line from 34:30 to 34:40, with grace notes at the beginning and end. The third staff shows a line from 34:55 to 35:05, with grace notes at the beginning and end. All staves are in common time (indicated by 'C') and have a key signature of one sharp (F#). The violin part is indicated by the label 'violin' and a bow icon.

Notes

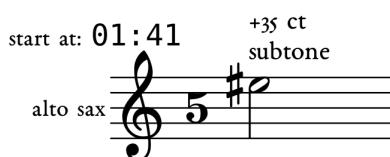
General remarks

This work is intended for an outdoor performance. Together with the electronics the players create a slowly evolving sound field. The intention of the resulting field shouldn't be to dominate the acoustic space and overlay the environmental noise but rather to enrich it.

In order to perform this work each player will need a stopwatch¹. The notation consist of time brackets as it has been developed in the late works of US-American composer John Cage. The two left numbers indicate the time range (in minutes and seconds) within which the player may start. The two right numbers indicate the time range (in minutes and seconds) within which the player shall stop.



Besides the rather free time brackets the score also contains stricter variants. In the example below the player has to start at the given time and play the music within the notated tempo.



¹Alternatively a video score can be used which is provided by the composer.

In time-brackets rhythm is written with duration-lines. Duration in time is equal to space in notation ("proportional notation"). Empty space between lines and note heads indicate rests.



Microtonal deviations to the closest chromatic tempered pitch are notated with cent values above notes.



Additionally microtonal accidentals² are provided.

𝄪 ♯ ♮ -21 cents hint to fifth partial

𝄪 ♯ ♮ +21 cents hint to fifth partial

𝄪 -27 cents hint to seventh partial

𝄪 +27 cents hint to seventh partial

𝄪 +53 cents hint to eleventh partial

Instruments should be tuned to the concert pitch $a=442$ Hertz (this the tuning of the tape part).

²The Helmholtz-Ellis-JI-Notation accidentals have been developed by Marc Sabat and Wolfgang von Schweinitz. See the plainsound webpage for a complete introduction of the accidentals.

Alto Saxophone

Harmonics are notated as chords where the lower notes indicate the root pitch (pitch for fingering) and the upper note the respective harmonic.

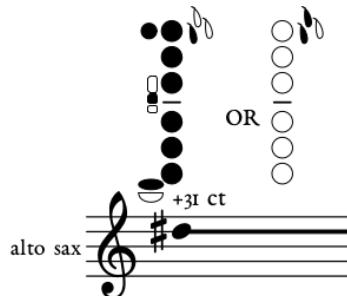


Multiphonics are notated with the expected (transposed) pitches and a suggested fingering. The player is encouraged to freely move and vary the sound within the given multiphonic e. g. start with only one pitch, then slowly open the whole chord and finally end with another single pitch, or begin with the whole multiphonic and let it slowly vanish to only one note.

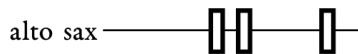


For microtones there are also suggestions for fingerings. If more than one fingering does work on the particular instrument and if the fingerings differ in the resulting timbre, the

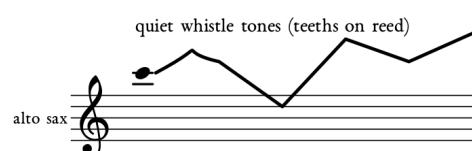
player can freely alternate between all possibilities to gain variations in sound.



Graphical notation of white blocks indicate short irregular noise sounds (for instance key clicks or dry slaps with as little recognizable pitch as possible). The density of the rectangles represent the density of the sounds. The notation is merely symbolic and shouldn't be read literally.



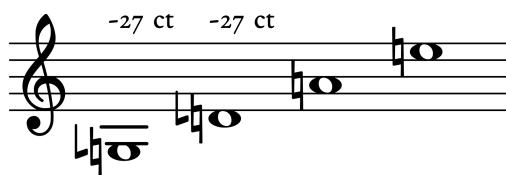
The notation for high whistle sounds by placing the teeth on the reed is merely symbolic too. Both the absolute pitch and the pitch contour (glissando) can be determined by the saxophone player.



Tones should mostly be quiet but sometimes be loud. The melodic phrases ("Westminster Chimes") should sound distant and anonymous.

Violin

The violin needs a simple scordatura which detunes the two lower strings. For tuning the violin without a electronic tuner the player can first tune the d - string to the seventh partial of the e - string and then tune the g - string as a perfect fifth to the detuned d - string.



All harmonics are natural harmonics. The string is indicated with the lower note head and the finger position with the upper note head.



For double harmonics there are lines between the nodes and the strings.



The bow crossing note head means that the performer should damp any string with the left hand and simultaneously bow with over-pressure close to the fretboard to gain a noisy sound.



The notation below means harmonic glissando. Both the string played and the exact pitch contour are left to the performer (the notation is only symbolic).



Tones should mostly be quiet but sometimes be loud.

List of saxophone multiphonics

1 kientzy 20, Dynamics: ('pp', 'mp')

2 kientzy 25, Dynamics: ('mp', 'p')

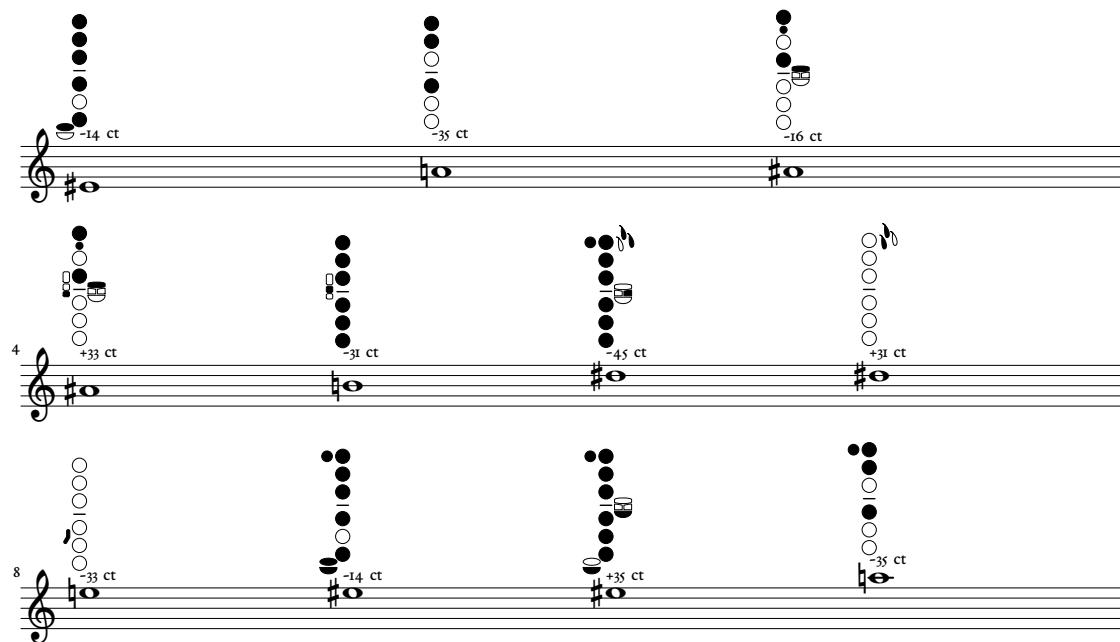
3 kientzy 46, Dynamics: ('p',)

4 weiss 112, Dynamics: ('pp', 'p')

5 kientzy 79, Dynamics: ('pp', 'p', 'mf')

6 adjusted kientzy 102, Dynamics: ('mp', 'mf')

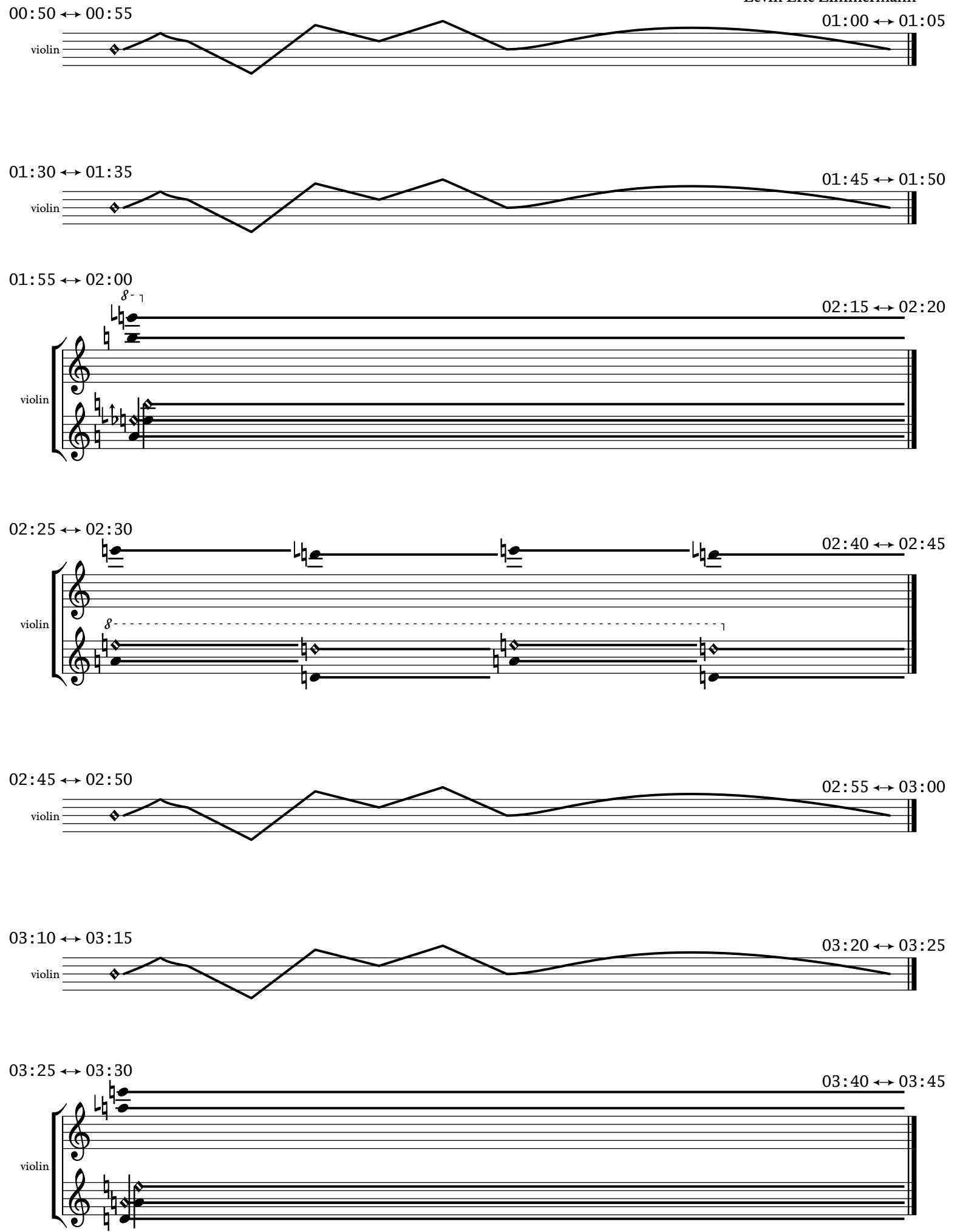
List of saxophone microtonal pitches



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01:00 ↔ 01:05



2

03:45 ↔ 03:50 8 - 1 04:10 ↔ 04:15

violin

04:45 ↔ 04:50 05:05 ↔ 05:10

violin

05:15 ↔ 05:20 05:30 ↔ 05:35

violin

06:05 ↔ 06:10 06:15 ↔ 06:20

violin

06:20 ↔ 06:25 06:45 ↔ 06:50

violin

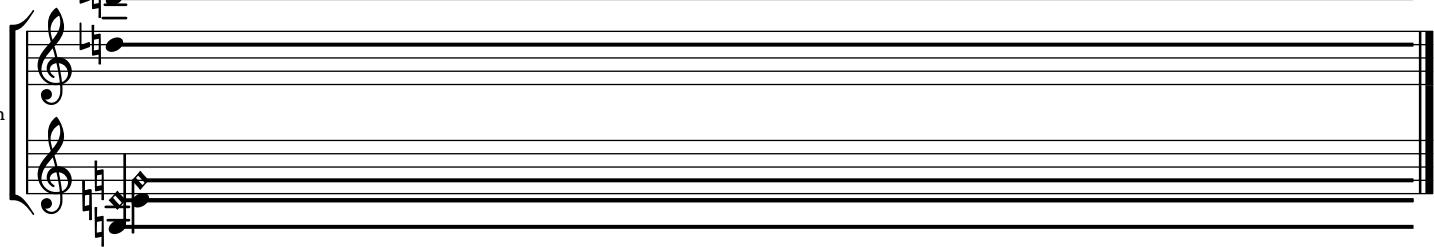
07:00 ↔ 07:05 07:20 ↔ 07:25

violin

07:25 ↔ 07:30

07:45 ↔ 07:50

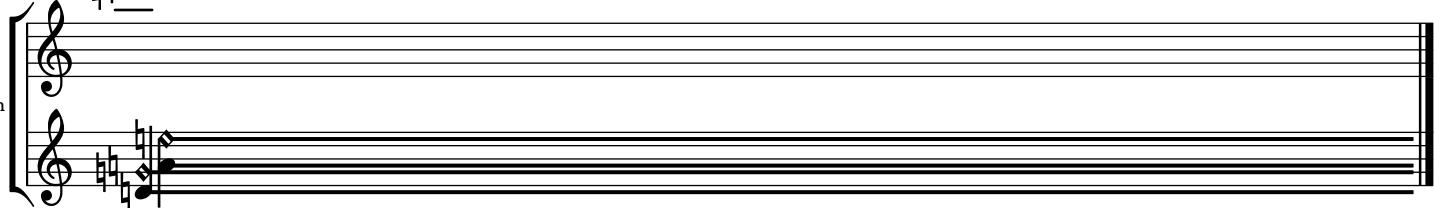
violin



07:50 ↔ 07:55

08:05 ↔ 08:10

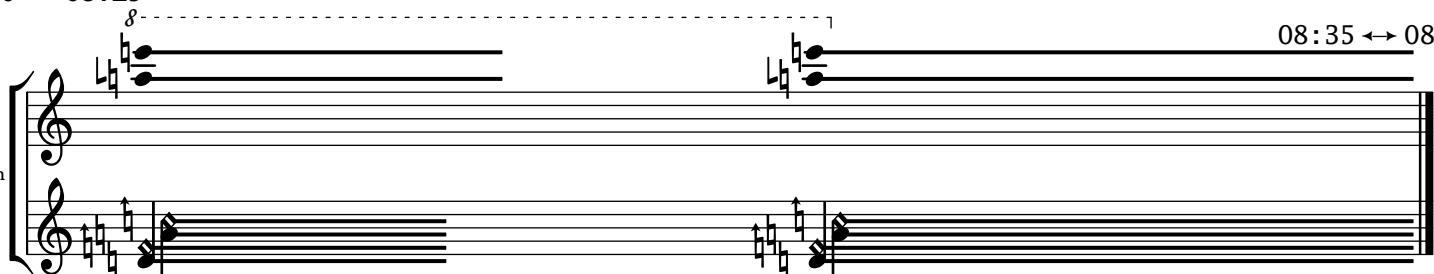
violin



08:10 ↔ 08:15

08:35 ↔ 08:40

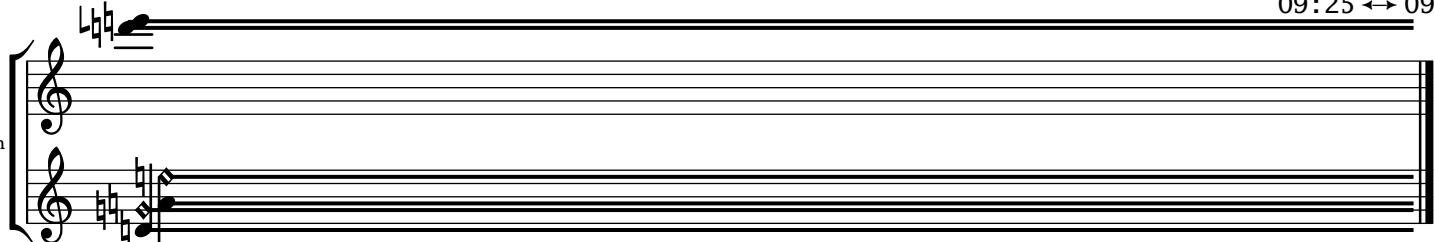
violin



09:05 ↔ 09:10

09:25 ↔ 09:30

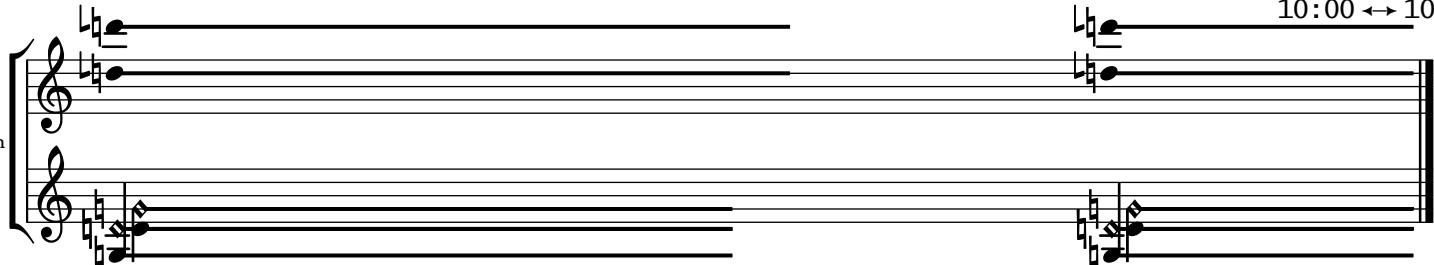
violin



09:45 ↔ 09:50

10:00 ↔ 10:05

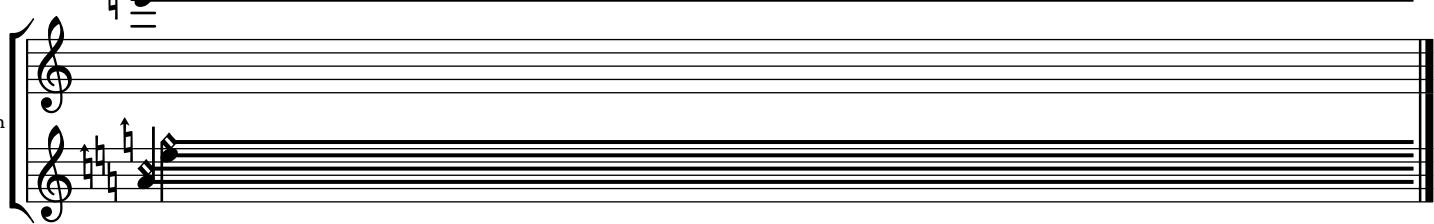
violin



10:40 ↔ 10:45

11:05 ↔ 11:10

violin



4

11:10 ↔ 11:15



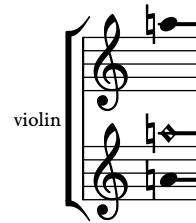
11:25 ↔ 11:30

11:35 ↔ 11:40



11:55 ↔ 12:00

12:05 ↔ 12:10



12:20 ↔ 12:25

12:30 ↔ 12:35



12:45 ↔ 12:50

12:50 ↔ 12:55



13:15 ↔ 13:20

13:40 ↔ 13:45



14:00 ↔ 14:05

14:05 ↔ 14:10



14:20 ↔ 14:25

14:35 ↔ 14:40

14:50 ↔ 14:55

violin

14:55 ↔ 15:00

15:05 ↔ 15:10

violin

15:10 ↔ 15:15

15:35 ↔ 15:40

violin

15:40 ↔ 15:45

16:00 ↔ 16:05

violin

16:10 ↔ 16:15

16:20 ↔ 16:25

violin

16:25 ↔ 16:30

16:40 ↔ 16:45

violin

16:45 ↔ 16:50

8-

17:00 ↔ 17:05

violin

6
17:05 ↔ 17:10 17:30 ↔ 17:35

violin

17:35 ↔ 17:40 18:00 ↔ 18:05

violin

18:05 ↔ 18:10 18:25 ↔ 18:30

violin -31 ct

19:05 ↔ 19:10 19:15 ↔ 19:20

violin

19:20 ↔ 19:25 19:40 ↔ 19:45

violin

19:45 ↔ 19:50 20:00 ↔ 20:05

violin

20:05 ↔ 20:10 20:30 ↔ 20:35

violin

This musical score for violin consists of six staves of music. The score is organized into time periods separated by horizontal dashed lines. Measure numbers are positioned at the top left of each staff. Performance instructions such as '8-' and '1' are placed above specific notes. Measure times are indicated by vertical tick marks. The violin part includes slurs and grace notes.

20:35 ↔ 20:40

g- 1

violin

20:50 ↔ 20:55

20:55 ↔ 21:05

violin

21:15 ↔ 21:20

21:20 ↔ 21:30

violin

21:35 ↔ 21:40

21:40 ↔ 21:45

violin

22:00 ↔ 22:05

22:05 ↔ 22:15

violin

22:25 ↔ 22:30

start at: 22:39

g- 54

violin

alto sax

vln

a. s.

3

vln. 5 -35 ct

a. s. -33 ct

4 vln. -35 ct

a. s. -33 ct

5 vln. +35 ct -33 ct 6

a. s. -33 ct +35 ct +31 ct

6 vln. 8 -10 ct

a. s. -33 ct

7 vln. PIZZ. ARCO ORD. 4

a. s. -33 ct

8 vln. 4 +16 ct 5

a. s. -33 ct

9 vln. 5 -33 ct -35 ct +14 ct 4

a. s. 5 -33 ct

10

vln. 4

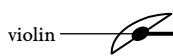
+33 ct

a. s. 4 -33 ct

vln. 3 PIZZ. 1 φ

a. s. 3 (slap)

24:55 ↔ 25:00



25:05 ↔ 25:10



25:10 ↔ 25:15



25:30 ↔ 25:35

violin

25:45 ↔ 25:50



26:00 ↔ 26:05

violin

26:05 ↔ 26:10



26:30 ↔ 26:35

violin

26:35 ↔ 26:40

+2 ct

26:55 ↔ 27:00

IO
27:00 ↔ 27:05 8-1 27:25 ↔ 27:30

27:35 ↔ 27:40 27:55 ↔ 28:00

28:15 ↔ 28:20 28:35 ↔ 28:40

29:00 ↔ 29:05 8- - - - - 1 29:25 ↔ 29:30

29:30 ↔ 29:35 29:50 ↔ 29:55

29:55 ↔ 30:05 -47 ct -62 ct -31 ct -47 ct -31 ct 30:10 ↔ 30:15

30:15 ↔ 30:25 -47 ct -29 ct +4 ct -33 ct 30:35 ↔ 30:40

30:40 ↔ 30:50 violin

31:00 ↔ 31:05 violin

31:20 ↔ 31:30 violin

31:40 ↔ 31:45 violin

31:45 ↔ 31:50 violin

32:00 ↔ 32:05 violin

32:05 ↔ 32:10 violin

32:30 ↔ 32:35 violin

32:40 ↔ 32:50 violin

32:55 ↔ 33:00 violin

33:00 ↔ 33:05 violin

33:20 ↔ 33:25 violin

I2

33:25 ↔ 33:30 33:40 ↔ 33:45

33:45 ↔ 33:50 34:00 ↔ 34:05

34:10 ↔ 34:15 34:25 ↔ 34:30

34:30 ↔ 34:40 34:50 ↔ 34:55

34:55 ↔ 35:05 35:10 ↔ 35:15

start at: 35:27 = 50

violin: 5 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

alto sax: 5 F G A B C D E F

vl.: 4 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

a. s.: 4 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

vl.: 2 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

a. s.: 2 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

3 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

a. s.: 2 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

3 $\text{F} \# \text{G}$ $\text{A} \# \text{B}$ $\text{C} \# \text{D}$ $\text{E} \# \text{F}$ G A

+37 ct +33 ct -64 ct -33 ct -17 ct +35 ct -31 ct -33 ct

5

vln. 5

-35 ct -31 ct -35 ct -29 ct

a. s. 5

-33 ct

6

vln. 2

+14 ct +18 ct -29 ct -33 ct -29 ct

a. s.

-33 ct -31 ct

7

vln. 4

+31 ct

a. s. 4

+33 ct

36:50 ↔ 37:00

Violin part for measures 37-40. The staff shows a continuous eighth-note pattern. Measure 37 starts with a sharp sign. Measure 38 starts with a sharp sign. Measure 39 starts with a sharp sign. Measure 40 starts with a sharp sign.

37:15 ↔ 37:25

Musical score for violin. The score consists of five measures. Measure 1: A sustained note on the G string (3rd line) with a grace note on the E string (4th line). Time value: -47 ct. Measure 2: Sustained note on the G string with grace notes on the D and A strings. Time value: -62 ct. Measure 3: Sustained note on the G string with grace note on the D string. Time value: -47 ct. Measure 4: Sustained note on the G string with grace note on the A string. Time value: -31 ct. Measure 5: Sustained note on the G string with grace note on the D string. Time value: -47 ct. The measure ends with a double bar line and repeat dots, followed by the text "37:30 ↔ 37:35".

37:45 ↔ 37:50

A musical score for violin. The staff begins with a treble clef and a B-flat key signature. A long horizontal line extends across the page, representing a sustained note. Above this line, the text "-66 ct" is written. In the top right corner, the time "38:05 ↔ 38:10" is displayed. The word "violin" is written vertically along the left side of the staff.

38:10 ↔ 38:15

A horizontal timeline bar representing a duration of 5 seconds, from 38:20 to 38:25. The bar is black with a thin grey border. At the left end, there is a small icon of a violin. At the right end, there is a small icon of a grand piano. The timeline is positioned at the bottom of the page.

38:25 ↔ 38:30

A horizontal timeline representing time from 38:35 to 38:40. The timeline is a black line with arrows at both ends. At the left end (38:35), there is a small icon of a violin. At the right end (38:40), there is a small icon of a metronome.

14

38:40 ↔ 38:45

8 -

39:05 ↔ 39:10

39:20 ↔ 39:30

+4 ct -31 ct +4 ct -33 ct 39:40 ↔ 39:45

violin

39:45 ↔ 39:50

40:00 ↔ 40:05

violin

40:05 ↔ 40:10

8 - 1 40:25 ↔ 40:30

violin

40:30 ↔ 40:35

8 - 1 40:55 ↔ 41:00

violin

41:00 ↔ 41:05

-17 ct 41:15 ↔ 41:20

violin

41:40 ↔ 41:45

41:50 ↔ 41:55

violin

start at: 42:15 = 45

violin

alto sax

2 vln. 2 a. s.

3 vln. 3 a. s.

4 vln. 4 a. s.

5 vln. 5 a. s.

6 vln. 6 a. s.

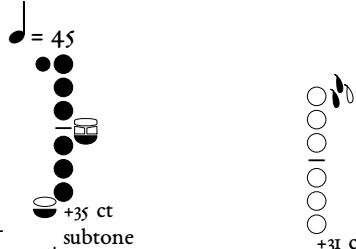
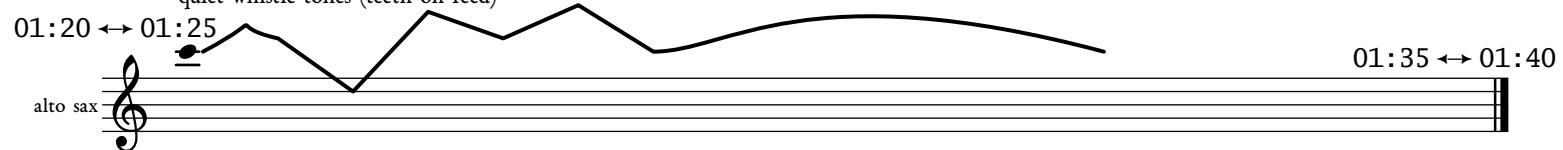
7 vln. 7 a. s.

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quiet whistle tones (teeth on reed)

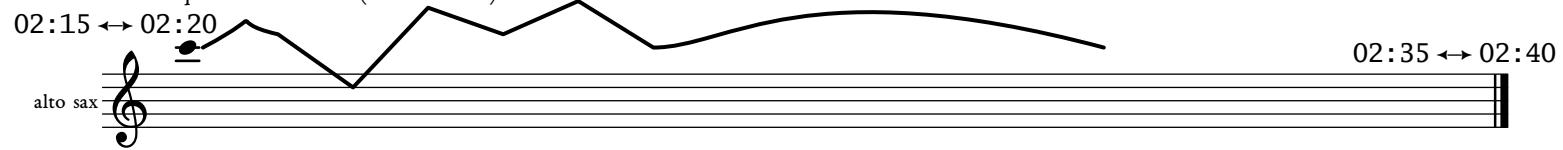
01:35 ↔ 01:40



start at: 01:41

quiet whistle tones (teeth on reed)

02:35 ↔ 02:40



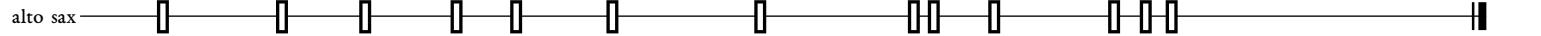
02:50 ↔ 02:55

03:05 ↔ 03:15



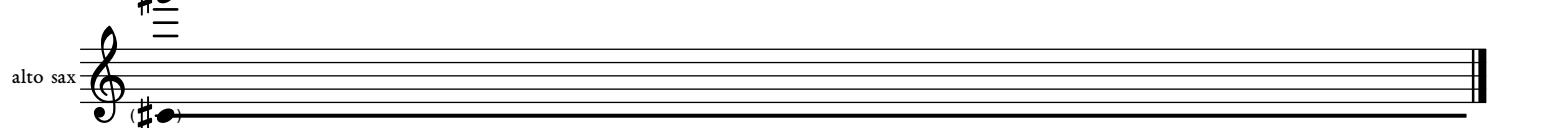
03:15 ↔ 03:20

03:35 ↔ 03:45



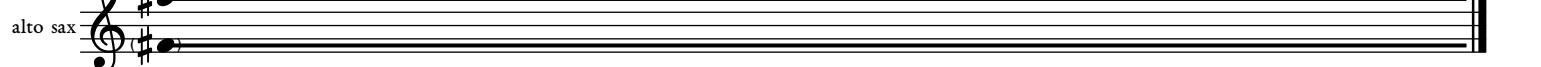
04:00 ↔ 04:05

04:25 ↔ 04:30



04:40 ↔ 04:45

05:00 ↔ 05:05



05:10 ↔ 05:15

05:35 ↔ 05:45



2

05:50 ↔ 05:55 06:05 ↔ 06:10

alto sax

quiet whistle tones (teeth on reed) 06:15 ↔ 06:20 06:30 ↔ 06:35

alto sax

06:40 ↔ 06:45 07:00 ↔ 07:05

alto sax

07:05 ↔ 07:10 07:20 ↔ 07:30

alto sax

07:30 ↔ 07:35 07:45 ↔ 07:50

alto sax

quiet whistle tones (teeth on reed) 08:00 ↔ 08:05 08:20 ↔ 08:25

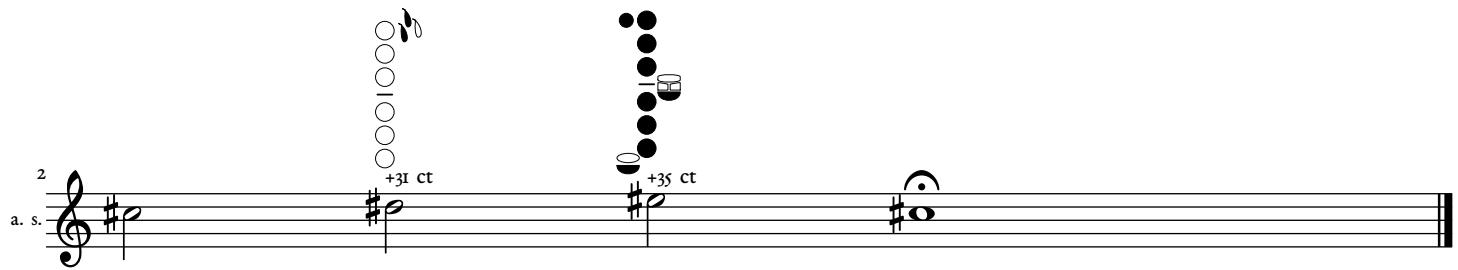
alto sax

08:25 ↔ 08:30 08:50 ↔ 08:55

alto sax

start at: 09:02 ♩ = 48 subtone +35 ct +31 ct

alto sax



09:40 ↔ 09:45

10:05 ↔ 10:10

alto sax

Musical score for alto saxophone (a. s.) in G major (two sharps) from 09:40 to 09:45. The score shows a continuous line of notes and rests on the staff.

10:10 ↔ 10:15

10:30 ↔ 10:35

alto sax

Musical score for alto saxophone (a. s.) in G major (two sharps) from 10:10 to 10:15. The score shows a continuous line of notes and rests on the staff.

10:40 ↔ 10:45

10:55 ↔ 11:00

alto sax

Musical score for alto saxophone (a. s.) in G major (two sharps) from 10:40 to 10:45. The score shows a continuous line of notes and rests on the staff.

11:15 ↔ 11:20

11:40 ↔ 11:45

alto sax

Musical score for alto saxophone (a. s.) in G major (two sharps) from 11:15 to 11:20. The score shows a continuous line of notes and rests on the staff.

11:45 ↔ 11:50

12:05 ↔ 12:10

alto sax

Musical score for alto saxophone (a. s.) in G major (two sharps) from 11:45 to 11:50. The score shows a continuous line of notes and rests on the staff.

12:15 ↔ 12:20

12:30 ↔ 12:35

alto sax

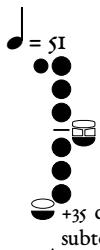
Musical score for alto saxophone (a. s.) in G major (two sharps) from 12:15 to 12:20. The score shows a continuous line of notes and rests on the staff.

12:35 ↔ 12:40

13:00 ↔ 13:05

alto sax

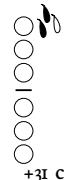
Musical score for alto saxophone (a. s.) in G major (two sharps) from 12:35 to 12:40. The score shows a continuous line of notes and rests on the staff.



+35 ct
subtone

start at: 13:22

alto sax



+31 ct

a. s.

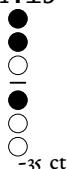
-33 ct

a. s.

a. s.

a. s.

14:10 ↔ 14:15

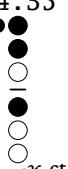


-35 ct

14:25 ↔ 14:30

alto sax

14:30 ↔ 14:35

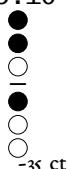


-35 ct

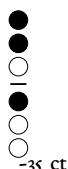
14:55 ↔ 15:00

alto sax

15:00 ↔ 15:10



-35 ct



-35 ct

15:15 ↔ 15:20

alto sax

6

19:25 ↔ 19:30



19:50 ↔ 19:55

19:55 ↔ 20:00



20:15 ↔ 20:20

20:25 ↔ 20:30



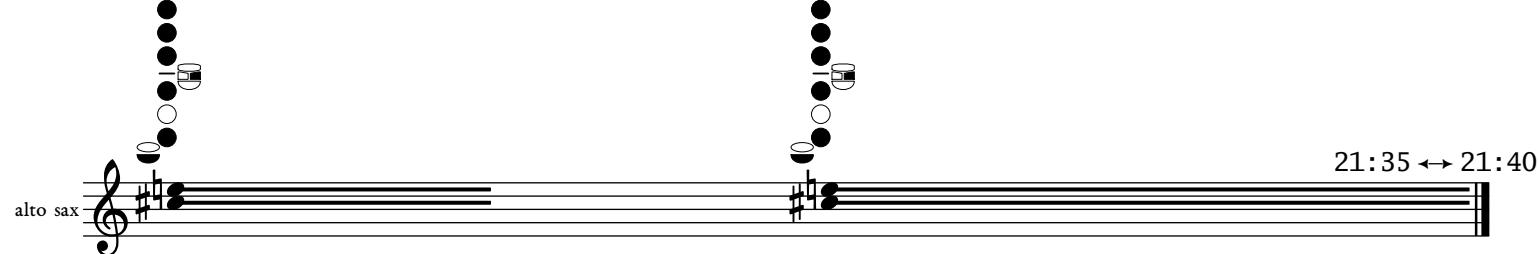
20:45 ↔ 20:50

20:50 ↔ 20:55



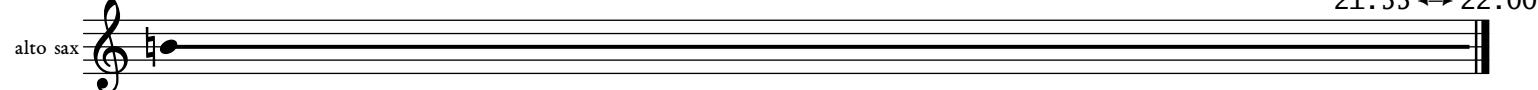
21:05 ↔ 21:10

21:10 ↔ 21:15



21:35 ↔ 21:40

21:40 ↔ 21:45



21:55 ↔ 22:00

22:00 ↔ 22:05



22:25 ↔ 22:30

6

vl. 6 *8* -10 ct

a. s. (C₄) -33 ct

7

vl. 7 -33 ct PIZZ. ARCO ORD. -35 ct

a. s. (C₄) -33 ct

8

vl. 8 4 -33 ct +16 ct

a. s. 4 (C₄) -33 ct

9

vl. 9 5 -33 ct -35 ct +14 ct

a. s. 5 (C₄) -33 ct

10

vl. 10 4 -33 ct +33 ct

a. s. 4 (C₄) -33 ct

II

vl. II 3 PIZZ. -

a. s. 3 (slap)

25:20 ↔ 25:30
alto sax

25:45 ↔ 25:50
alto sax

26:15 ↔ 26:20
alto sax

26:45 ↔ 26:55
alto sax

27:05 ↔ 27:15
alto sax

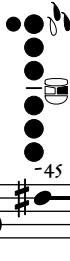
27:30 ↔ 27:35
alto sax

=57

start at: 27:56 +35 ct subtone +31 ct

IO

28:20 ↔ 28:30

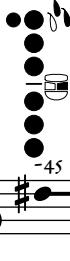


-45 ct

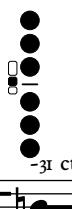
alto sax

28:40 ↔ 28:45

28:45 ↔ 28:55



-45 ct



-31 ct



-45 ct

29:00 ↔ 29:05

29:10 ↔ 29:15



-31 ct

29:40 ↔ 29:45



-31 ct

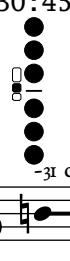
30:05 ↔ 30:10



-31 ct

30:00 ↔ 30:05

30:35 ↔ 30:45

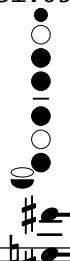


-31 ct

(C4)

30:20 ↔ 30:25

31:00 ↔ 31:05



-31 ct

30:55 ↔ 31:00

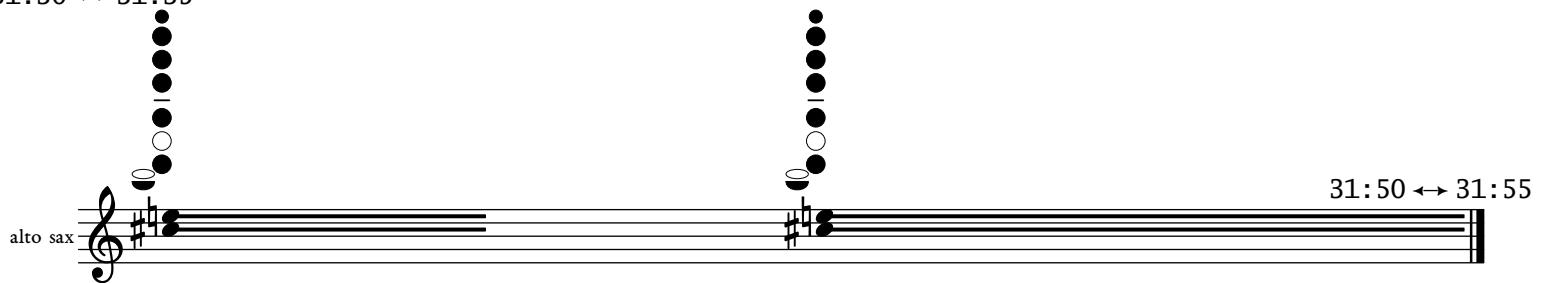
31:25 ↔ 31:30



-31 ct

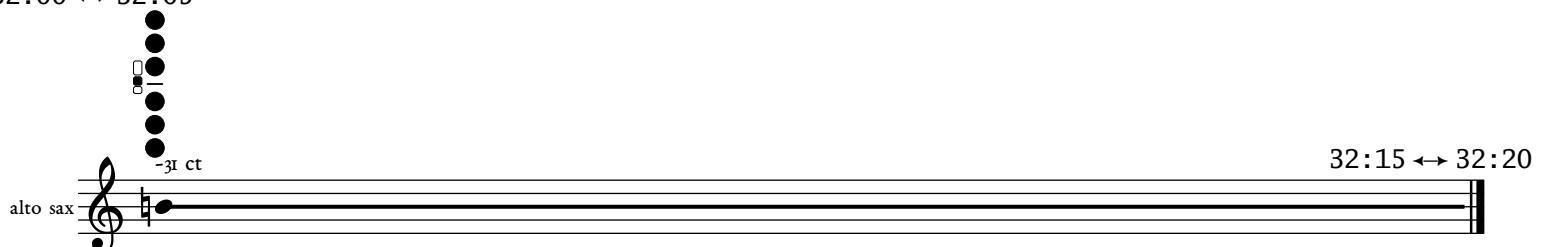
alto sax

31:30 ↔ 31:35



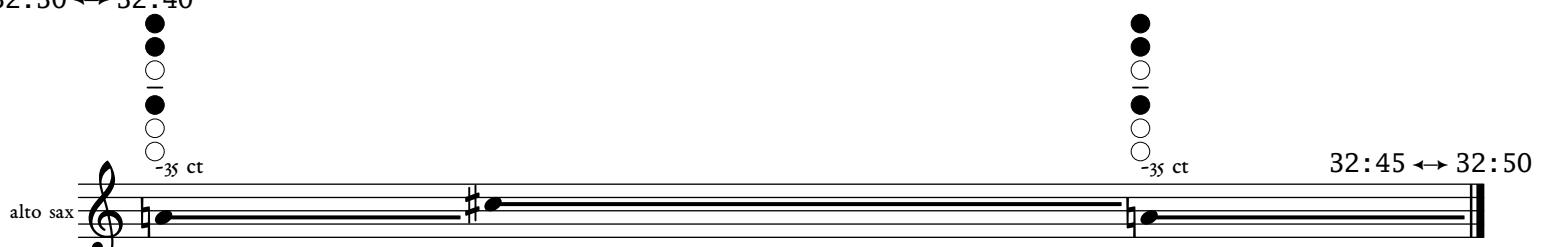
31:50 ↔ 31:55

32:00 ↔ 32:05



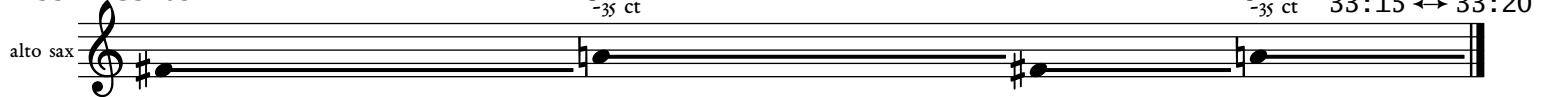
32:15 ↔ 32:20

32:30 ↔ 32:40



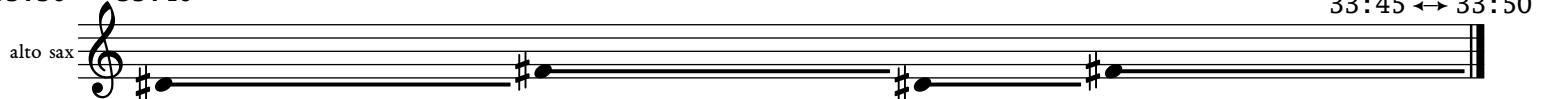
32:45 ↔ 32:50

32:55 ↔ 33:05



33:45 ↔ 33:50

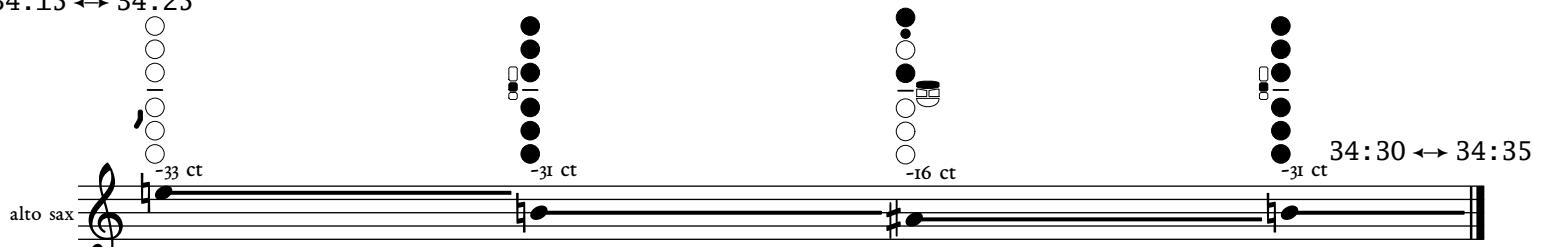
33:30 ↔ 33:40



34:10 ↔ 34:15

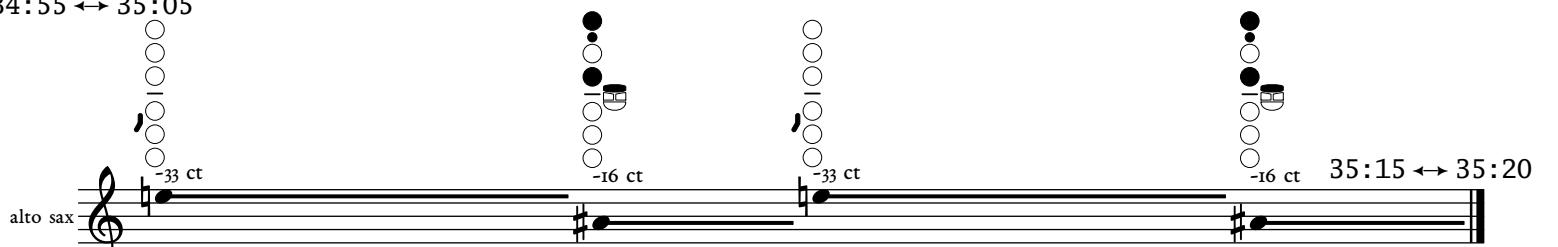
33:50 ↔ 34:00
(C₄)

34:15 ↔ 34:25



34:30 ↔ 34:35

34:55 ↔ 35:05



35:15 ↔ 35:20

start at: 35:27 $\text{d} = 50$

1

violin

+37 ct +33 ct #
5 5

alto sax

+33 ct
5

2

vl. 4
5

-31 ct

5

a. s.
4

5

(C4)
-33 ct
2

3

vl.
2
5

-35 ct

5

a. s.
2

5

(C4)
3
-33 ct
5

5

vl.
5
-35 ct

5

-31 ct

5

-35 ct

5

-29 ct

5

a. s.
5

5

-33 ct

5

(C4)
-31 ct

5

6

vl.

5

+14 ct

5

+18 ct

5

-29 ct

5

-33 ct

5

a. s.

5

-33 ct

5

(C4)
-33 ct

5

(C4)
-31 ct

5

7

vl.
4

5

+31 ct

5

+33 ct

5

a. s.
4

5

37:15 ↔ 37:20

alto sax

37:35 ↔ 37:40

38:30 ↔ 38:40

alto sax

38:45 ↔ 38:50

38:50 ↔ 39:00

alto sax

39:10 ↔ 39:15

39:30 ↔ 39:35

alto sax

39:45 ↔ 39:50

40:00 ↔ 40:05

alto sax

40:25 ↔ 40:30

40:30 ↔ 40:35

alto sax

40:45 ↔ 40:50

start at: 41:24

alto sax

(C4)

2

a. s. (C4) -33 ct

3 +35 ct +31 ct

4 a. s. 2 #o

start at: 42:15 $\text{♩} = 45$

violin 6 -33 ct (left hand pizz.) -31 ct -33 ct 5

alto sax 6 #o (C4) -33 ct #o #o 5

vln. 5 -31 ct +14 ct -33 ct 2

a. s. 5 #o #o #o #o -33 ct #o 2

vln. 2 -31 ct +12 ct 5

a. s. 2 -33 ct 5

vln. 5 PIZZ. +14 ct ARCO ORD. -35 ct PIZZ. ARCO ORD. -33 ct

a. s. 5 -33 ct (C4) #o #o 2

Musical score for strings and soprano soloist, measures 5-7.

Measure 5: Violin (vl.) and soprano (a. s.) play eighth-note patterns. The violin's pattern consists of six eighth notes with slurs and dynamic markings: $\text{f} \# \text{p} \text{f} \# \text{p}$. The soprano's pattern starts with $\text{f} \# \text{p}$, followed by a fermata, then #p , and ends with a fermata. The vocal line includes lyrics: "(C4)" at the beginning, and "-31 ct", "-31 ct", "-45 ct", "-31 ct", "+31 ct", and "+45 ct" above the notes. Measure 5 concludes with a measure number "3".

Measure 6: Violin (vl.) and soprano (a. s.) play sustained notes. The violin note is marked #p . The soprano note is marked #p . The vocal line includes lyrics: "-33 ct" and "-45 ct" above the notes. Measure 6 concludes with a measure number "3".

Measure 7: Violin (vl.) and soprano (a. s.) play sustained notes. The violin note is marked #p . The soprano note is marked #p .