

Antti Auvinen

Palo Inferno

for midi-clarinet and ensemble
with live-electronics

2010

For promotional
use only

Music Finland

Music Finland

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Score

Palo Inferno was commissioned by defunensemble. The commission was supported by the Madetoja Foundation.

Palo Inferno was premiered 18.4.2010 by defunensemble during the Tampere Biennale Festival.

Instrumentation:

Bass Flute
amplified
1 head-set mic for voice
1 mic for flute

Harp (electric harp is preferred)
amplified
1 head-set mic for voice

with super ball mallet

Midi Clarinet in C
1 head-set mic for voice

Piano
amplified

with soft mallets
tam tam beater
high frequency bird whistle

Cello
amplified

Max/MSP patch is prvoided by the composer

Duration ≈ 8 min

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PALO INFERNO

for midi-clarinet and ensemble with live-electronics

Antti Auvinen 2010

4/4 ♩ = 96

Bass Flute

voice

Harp

voice

4/4 ♩ = 96

Midi Clarinet in C

voice

high middle low

Piano

high middle low

Bird Whistle

Cello

Triggering of Electronics

E 1

Inhale and exhale into the mouth piece

INHALE

p

57

n

mf

fff

l.v.

with soft mallets

n

5

B Fl

voice

Hrp.

voice

57

Midi Clarinet in C

voice

high middle low

Pno.

high middle low

whistle

voice

E

EXHALE

mf

p

n

ok

3

3

5

3

3

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Full Score (version 30.3)

17

B Fl

voice

INHALE

EXHALE

ossia.

ff

p

3

4

4

4

5

Hrp.

voice

hit the bass strings with the hand

mf

mf

3

4

4

59

Midi Cl in C

voice

pp

mf

3

4

4

5

high middle low

Pno.

high middle low

mf

fff

fff

whistle

Vc.

extreme pont. extreme vibr. / shake

fff

increase bow pressure distorted sound

E 2

21

EXHALE
→ → → → → → → → → → → → → → → →
ossia:
flt. - - - - -

B Fl
voice

10 10

fff *pp*

Hrp.

5 3

pp *mf* *pp*

voice

sim.
[r]
mf *n*

Midi Cl
in C
voice

fff *n*

high middle low
Pno.

high middle low

with soft mallets
n

whistle

sim. 3

Vc.

sim.

E

24

Score for measures 24-28. Instruments: B Fl, voice, Hrp., voice, Midi Cl in C, voice, high middle low Pno., high middle low, whistle, Vc., E.

Measure 24: *mf* (Harp), *f* (Voice), *fff* (Midi Cl), *mf* (Piano), *sim.* (Violoncello).

Measure 25: *f* (Harp), *f* (Voice), *fff* (Midi Cl), *mf* (Piano), *Distorted burst - maximum bow pressure* (Violoncello).

Measure 26: *pp* (Harp), *f* (Voice), *fff* (Midi Cl), *mf* (Piano), *sim.* (Violoncello).

Measure 27: *pp* (Harp), *pp* (Voice), *fff* (Midi Cl), *mf* (Piano), *sim.* (Violoncello).

Measure 28: *pp* (Harp), *pp* (Voice), *fff* (Midi Cl), *mf* (Piano), *sim.* (Violoncello).

29

Score for measures 29-31. Instruments: B Fl, voice, Hrp., voice, Midi Cl in C, voice, high middle low Pno., high middle low, whistle, Vc., E.

Measure 29: *INHALE* (B Fl), *p* (Harp), *fff* (Piano), *sim.* (Violoncello).

Measure 30: *3/4* (B Fl), *3/4* (Voice), *3/4* (Midi Cl), *fff* (Piano), *sim.* (Violoncello).

Measure 31: *4/4* (B Fl), *4/4* (Voice), *4/4* (Midi Cl), *fff* (Piano), *sim.* (Violoncello).

E 3

33

play with air
- _ g r a d u a l l y ->
With voice (speaking into the mouth piece)
with ad lib key clicks

B Fl

voice

pp

ff

zk! inhale through flute with voice with ad lib key clicks

ff

p

4

4

fl. with air

pp

ff

inhale through flute with voice with ad lib key clicks

mute string(s) with hand knock with metal

ff

p

2

4

4

4

Midi Cl In C

voice

high middle low

Pno.

high middle low

3

3

3

3

5

fff

l.v.

p

whistle

Vc.

f

pp

f

f

sim.

E

This musical score is for the piece "The Wind" by John Williams, from the "The Wind" soundtrack. The score is arranged for a full orchestra and includes a large promotional watermark that reads "For promotional use only" and "MusicFinland".

The score is divided into two systems, each with a key signature of one flat (B-flat) and a time signature of 3/8. The first system is marked with a tempo of "Allegretto" and a dynamic of "ff". The second system is marked with a tempo of "Allegretto" and a dynamic of "ff".

The instruments and parts included are:

- B Fl (B-flat Flute)
- voice
- Hrp. (Harp)
- voice
- Midi Cl In C (Midi Clarinet in C)
- voice
- high middle low (Piano)
- high middle low (Piano)
- whistle
- Vc. (Violoncello)
- E (Electric Bass)

The score features various musical notations, including dynamics (ff, p, fp, mf, f, pp), articulations (accents, slurs, staccato), and performance instructions (play with air, fit.). The score is marked with a large blue circle containing the text "For promotional use only" and "MusicFinland".

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52

B Fl
voice

Hrp.

voice

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

whistle

Vc.

E

sim.
fff

*increase bow pressure
distorted sound*

sim.
fff

*increase bow pressure
distorted sound*

mp

n *mf* *n*

58

B Fl
voice

Hrp.

voice

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

whistle

Vc.

E

scrape with nails (with 3-4 fingers)
fff

*superball mallet
scrape the sound board*

sim.
fff

p

pp

sim.

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73

EXHALE
→→→→→
(with voice+key clicks / filtering)

INHALE
←←←←←
(with voice+key clicks / filtering)

B Fl

voice

Hrp.

voice

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

whistle

Vc.

E

scrape with nails (with 3-4 fingers)

superball mallet
scrape the sound board

Voice (sim.)
[ii]
n mf

scrape the bass strings

mf fff

3

L.v.

with tam tam beater (or sim.) fff

increase pressure (sim.)
mp fff

Nasal voice sound
[y] [u] [i] [ə]
alter ad lib.

superball mallet
scrape the sound board



78

EXHALE
→→→→→
(with voice+key clicks / filtering)

INHALE
←←←←←
(with voice+key clicks / filtering)

B Fl

voice

Hrp.

voice

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

whistle

Vc.

E

scrape with nails (with 3-4 fingers)

superball mallet
scrape the sound board

Voice (sim.)
[ii]
n mf

scrape the bass strings

mf fff

3

L.v.

with tam tam beater (or sim.) fff

increase pressure (sim.)
mp fff

Nasal voice sound
[y] [u] [i] [ə]
alter ad lib.

superball mallet
scrape the sound board

INHALE (sim.)
←←←←←

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83

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

high middle low

Pno.

high middle low

whistle

Vc.

E

EXHALE (sim.)

INHALE (sim.)

EXHALE (sim.)

INHALE (sim.)

EXHALE (sim.)

INHALE (sim.)

scrape with nails (with 3-4 fingers)

superball mallet

scrape the sound board

Voice (sim.)

[ii]

n

ff

sim.

[y] [u] [i] [ä]

alter ad lib.

(sim.)

mf

fff

l.v.

fff

l.v.

Whistle

3

pp

increase pressure (sim.)

f

fff

(sim.)

fff

(sim.)



87

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

high middle low

Pno.

high middle low

whistle

Vc.

E

superball mallet

scrape the sound board

p

INHALE

p

on the bridge (or sim.)

pp

mf

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91

B FI

voice

scrape (sim.)

p

superball mallet

(sim.)

with a lot of air
(descending intonation)

Al - la - la - la - la - la - la - la. INHALE

scrape (sim.)

p

El - la - la - la - la - la - la - la. INHALE

scrape (sim.)

p

Il - la - la - la - la - la - la - la. INHALE

scrape (sim.)

p

Ol - la - la - la - la - la - la - la. INHALE

EXHALE
→→→→→
(with voice+key clicks / filtering)

p

Hrp.

scrape (sim.)

p

superball mallet

(sim.)

scrape (sim.)

p

superball mallet

(sim.)

scrape (sim.)

p

superball mallet

(sim.)

scrape (sim.)

p

superball mallet

(sim.)

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

Pno.

whistle

p

p

p

Vc.

mf

mf

mf

E

95

B FI

voice

scrape (sim.)

mf

INHALE
(with voice+key clicks / filtering)

mf

EXHALE
→→→→→
(with voice+key clicks / filtering)

mf

INHALE (sim.)

mf

Hrp.

scrape (sim.)

mf

superball mallet

(sim.)

scrape (sim.)

mf

superball mallet

(sim.)

scrape (sim.)

mf

superball mallet

(sim.)

scrape (sim.)

mf

superball mallet

(sim.)

Midi Cl
in C

voice

high
middle
low

Pno.

high
middle
low

Pno.

whistle

ff

ff

mf

Vc.

ff

ff

mf

E

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low chest voice, unclearly
(into inside of the piano)

ff

im - mim - mim - mim - mim - mim,

ff

(only) distorted sound

mf

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106

1/8 4/4

sim.

fff

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

high middle low

Pno.

high middle low

whistle

mo - lo, mo - lo, mo - lo, mo - lo mo - lo, mo - lo, mo - lo, mo - lo

fff

Vc.

fff

E

sim.

fff

sim.

f

[y] [i] alter ad lib.

continue sim.

continue sim.

110

3/4 2/4 4/4

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

high middle low

Pno.

high middle low

whistle

mo - lo, mo - lo, mo - lo, mo - lo

fff

Vc.

fff

E

sim.

f

[m] = lips closed alter ad lib.

continue as fast as possible

continue sim.

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16

4
4

5
8

4
4

114

Score page 114, measures 114-117. The page features a 4/4 time signature and a key signature of one flat. The score includes parts for B Flute, Harp, Voice, Midi Clarinet in C, Piano (high, middle, low), Whistle, Violoncello, and Electric Bass. The music is characterized by complex rhythms, including triplets and quintuplets, and dynamic markings such as *fff* and *f*. The lyrics include "mo-lo, mo-lo, mo-lo," and "[shu]".



118

3
4

Score page 118, measures 118-121. The page features a 3/4 time signature and a key signature of one flat. The score includes parts for B Flute, Harp, Voice, Midi Clarinet in C, Piano (high, middle, low), Whistle, Violoncello, and Electric Bass. The music is characterized by complex rhythms, including triplets and quintuplets, and dynamic markings such as *fff* and *pp*. The lyrics include "mil-li, mil-li," and "mo-lo, mo-lo, mo-lo!".

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122

4
4

B Fl

voice

Hrp.

(sim.)

voice

4
4

Midi Cl
in C

voice

[shu] [shu] [shu] [shu]

f *p*

high
middle
low

Pno.

high
middle
low

whistle

Vc.

E

The musical score is for the piece "Kun on tää" by J. V. Kosunen. It is a 4/4 piece in the key of E major (indicated by the E7 chord symbol at the bottom left). The score is divided into two systems, each containing five staves. The instruments and parts are as follows:

- Staff 1 (B Fl):** Flute part, starting with a melodic line in the first system and a rest in the second.
- Staff 2 (voice):** Vocal part, featuring falsetto and melodic lines with lyrics "pil - li, pil - li, pil - li, - - -" and "li-mil-li, mil-li, mil-li, mil-li, - - -". Dynamics include *ppp* and *mf*.
- Staff 3 (Hrp.):** Harp part, featuring a melodic line in the first system and a rest in the second.
- Staff 4 (voice):** Vocal part, featuring falsetto and melodic lines with lyrics "mil - li, - - -" and "li-mil-li, mil-li, mil-li, mil-li, - - -". Dynamics include *ppp* and *mf*.
- Staff 5 (Midi Cl In C):** Clarinet part, featuring a melodic line in the first system and a rest in the second.
- Staff 6 (voice):** Vocal part, featuring a melodic line with lyrics "[shu] [shu] [shu] [shu]" and "[shi]". Dynamics include *f* and *p*.
- Staff 7 (high middle low):** Piano part, featuring a melodic line in the first system and a rest in the second.
- Staff 8 (high middle low):** Piano part, featuring a melodic line in the first system and a rest in the second.
- Staff 9 (whistle):** Whistle part, featuring a melodic line with lyrics "mo - lo!".
- Staff 10 (Vc.):** Violoncello part, featuring a melodic line in the first system and a rest in the second.

The score includes various musical notations such as notes, rests, and dynamic markings. A large blue watermark with the text "For promotional use only" is overlaid on the score.

130

key clicks (fast) ad lib.

B Fl

voice

ppp

mf

ad lib. (vir.koneiston ja tapin välistä...)

Hrp.

voice

ppp

mf

li - li, pil - li, pil - li, -

3 6 5

3 8

4 4

3 4

Midi Cl in C

voice

f

[shu]

f

p

high middle low

Pno.

high middle low

whistle

Vc.

E

E 8

135

key clicks (fast) ad lib.

B Fl

voice

ppp

mf

ad lib. (vir.koneiston ja tapin välistä...)

Hrp.

voice

ppp

mf

li - li, pil - li, pil - li, -

3 6 5

3 8

4 4

3 4

Midi Cl in C

voice

f

[shu]

f

p

high middle low

Pno.

high middle low

whistle

Vc.

E

E 9

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[illegible]

Musical score for measures 143-146. The score includes staves for B Flute I, voice, Harp, voice, Midi Clavinette in C, voice, Piano, whistle, Violoncello, and Eb.

- B Fl I:** Measures 143 and 146 feature a melodic phrase starting on G4, moving up to A4, B4, and C5, then down to B4, A4, and G4.
- voice:** Measures 143 and 146 feature a vocal line with lyrics "li - mil - li,".
- Harp:** Measures 143 and 146 feature a harp arpeggio figure.
- Midi Clavinette in C:** Measures 143 and 146 feature a complex rhythmic pattern with triplets and sixteenth notes.
- Piano:** Measures 143 and 146 feature piano accompaniment with chords and single notes.
- Violoncello:** Measures 143 and 146 feature a cello line with a five-measure rest in measure 145.

147

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

Pno.

whistle

Vc.

E

li - mil - li,

with voice (with air)

with air

fff

8vb

5

art. harm.

n



151

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

Pno.

whistle

Vc.

E

INHALE

[r]

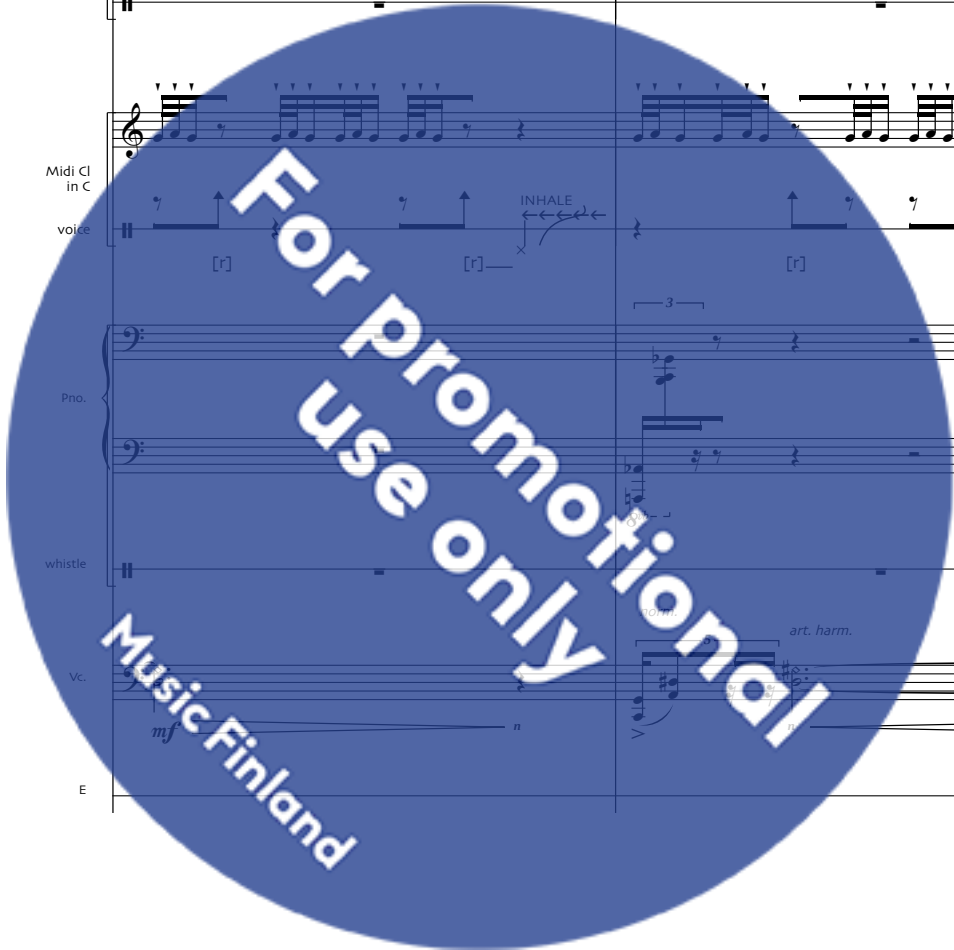
3

mf

5

art. harm.

n



155

Score page 155, measures 155-158. Instruments: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E.

Measure 155: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Midi Cl in C has an INHALE marking and (x = inhale) below it.

Measure 156: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Midi Cl in C has an INHALE marking and (x = inhale) below it.

Measure 157: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Midi Cl in C has an INHALE marking and (x = inhale) below it.

Measure 158: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Midi Cl in C has an INHALE marking and (x = inhale) below it. Pno. has a non l.v. marking. Whistle has a Hair of the bow against bridge/body (rattling sound) marking. Vc. has a f marking.

159

Score page 159, measures 159-162. Instruments: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E.

Measure 159: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Hrp. has a play with superball mallet (let bounce) marking. Midi Cl in C has a f marking.

Measure 160: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Hrp. has a mf marking. Midi Cl in C has a mf marking. Pno. has a mp marking.

Measure 161: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Hrp. has a p marking. Midi Cl in C has a ppp marking. Pno. has a mp marking.

Measure 162: B Fl, voice, Hrp., voice, Midi Cl in C, voice, Pno., whistle, Vc., E. Hrp. has a p marking. Midi Cl in C has a ppp marking. Pno. has a pp marking. Vc. has a 9.01 Hz marking. E has a 6.61 Hz marking.

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163

B Fl

voice

[shi]

ppp

Hrp.

voice

sim.

mf

p

Midi Cl in C

voice

sim.

mf

ppp

Pno.

voice

mp

pp

whistle

Vc.

E

Midi Cl interference:

3.77 Hz

3.77-2.33 Hz



167

B Fl

voice

[shi]

ppp

Hrp.

voice

sim.

mf

p

Midi Cl in C

voice

sim.

mf

ppp

Pno.

voice

p

whistle

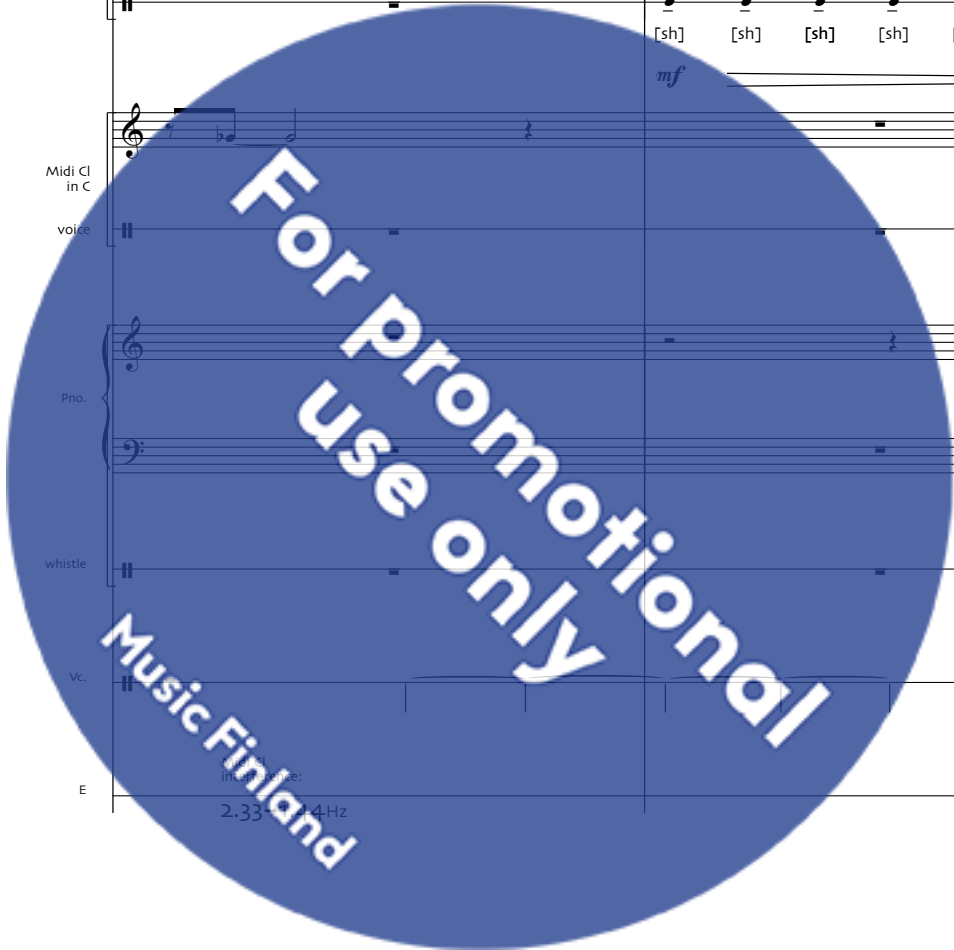
Vc.

E

Midi Cl interference:

2.33-1.4 Hz

0.89 Hz



171

B Fl
voice

[shi]

ppp

sim.

mf

p

ppp

Hrp.

voice

sim.

[sh] [sh] [sh] [sh] [sh] [sh] [sh] [sh]

mf

ppp

Midi Cl
in C

voice

Pno.

pp

p

whistle

Vc.

Midi Cl
interference:

0.55-0.34Hz

Midi Cl
interference:

0.21-0.08Hz

176

B Fl
voice

[sh] [sh] [sh] (sim.)
ppp

zk - kh zk - kh (sim.)
mp *ppp*

Hrp.

voice

sim.
[sh] [sh] [sh] [sh] [sh] [sh]
mf *ppp*

Midi Cl
in C

voice

sim.

Pno.

whistle

Vc.

E

Midi Cl
interference:
0.05-0.01Hz

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181

B Fl

voice

zk - kh zk - kh - - - - - (sim.) - - - - -

ppp *p* *ppp*

Hrp.

voice

[sh]

pp

Midi Cl in C

voice

[sh]

ppp

Pno.

voice

pp

whistle

Vc.

E

Midi Cl interference:
0.0 Hz



186

B Fl

voice

Hrp.

voice

Midi Cl in C

voice

n

Pno.

voice

whistle

Vc.

E

