

KNUT OLAF SUNDE

COMFORT MUSIC



This music is copyright protected

Concert installation for Vulkan Arena and Nødsentralen Torshov, Oslo.

8 amplified musicians

Alto saxophone

Trombone

Vibraphone (possibly two performers)

Piano (e-bow)

Guitar (e-bow), sounds 8va bassa

Violin

Cello

Contrabass, sounds 8va bassa

Conductor

2 audio technicians

1 bus driver

2 sites

Loudspeakers

Commissioned by notam and Oslo Sinfonietta.

Premiered 14. Sep 2015 by notam and aksiom at Ultima. Produced by notam in cooperation with Telenor Kulturarv and Telemuseet.

Supported by Norsk Kulturråd and Det Norske Komponistfond.

Max programming assistance by Koka Nikoladcze

Introduction sound recording: "De Nære Ting" by Kurt Foss & Reidar Bøe (1951)

Thanks to everyone at notam - Notto, Magnus, Koka, Thom, Gyrid, Asbjørn - and Ole Lützow-Holm, Marianne Heier - and Astrid, Hermund and Lotte for their patience.

Duration about 90 min

Material:

Score and parts for musicians

Soundfiles

Max-patch

Vulkan plan

Emergency plan

Time and space plan

Soundfile plan

Synopsis

Text for guide

COMFORT MUSIC

Ver. 3.2 2.11.2015

Concert installation for Vulkan arena and Åsen Emergency Communication Hub at Torshov, Oslo

Knut Olaf Sunde
2015

dnt-collage 15:00-20:00

1 ♩ = 84 **static 30:00**

① Start prior to announced event - before any audience enters.
ca. 20 min

Enter vib + pno

Alto Saxophone

Trombone

Vibraphone

Piano

Guitar

Violin

Cello

Contrabass

Soundfile

TRIG 1

SF dnt-collage

TRIG 2

fade out

TACET

In speakers in main concert hall and additional
waiting room for separated audience

11

2

3 vib + pno octaves

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

32

4

Alto Sax

Alto Sax staff with 24 measures of rests.

Tbn

Tbn staff with 24 measures of rests.

Vib

Vib staff with 24 measures of rests. Measure numbers 12, 16, 4, 8, 12, 16 are written above the staff.

Pno

Pno grand staff with 24 measures of rests. Measure numbers 12, 16, 4, 8, 12, 16 are written above the upper staff, and 12, 16, 4, 8, 12, 16 are written above the lower staff.

Gtr

Gtr staff with 24 measures of rests.

Vln

Vln staff with 24 measures of rests.

Vlc

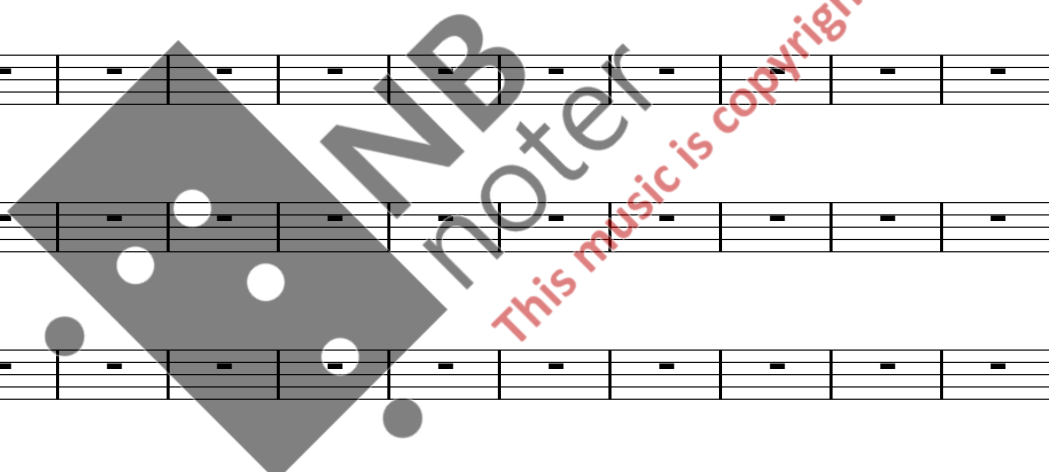
Vlc staff with 24 measures of rests.

Cb

Cb staff with 24 measures of rests.

Soundfile

Soundfile staff with 24 measures of rests.



5

6

Enter gtr

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

The musical score consists of eight staves. The first five staves are for Alto Sax, Tbn, Vib, Pno, and Gtr. The last three staves are for Vln, Vlc, and Cb. A Soundfile track is at the bottom. Measure 5 is marked with a box containing the number 5. Measure 6 is marked with a box containing the number 6 and the text 'Enter gtr'. The guitar part begins in measure 6 with a melodic line starting on a middle C, marked with a dynamic of *mp*. The vibraphone and piano parts feature rhythmic patterns of eighth notes, with measure numbers 4, 8, 11, 12, and 16 indicated above the staves. A large watermark 'MP notet' is overlaid on the score, along with the text 'This music is copyright protected'.

7

8

Alto Sax

Musical staff for Alto Saxophone, measures 7-24.

Tbn

Musical staff for Trombone, measures 7-24.

Vib

Musical staff for Vibraphone, measures 7-24. Includes measure numbers 4, 8, 12, 16, 4, 8, 12 above the staff.

Pno

Musical staff for Piano, measures 7-24. Includes measure numbers 4, 8, 12, 16, 4, 8, 12 above the staff.

Gtr

Musical staff for Guitar, measures 7-24. Includes measure numbers 4, 8, 12, 16, 4, 8, 12 above the staff.

Vln

Musical staff for Violin, measures 7-24.

Vlc

Musical staff for Viola, measures 7-24.

Cb

Musical staff for Cello, measures 7-24.

Soundfile

Soundfile track, measures 7-24.



111

9 Enter vln + vlc

Alto Sax

Alto Sax staff with rests.

Tbn

Tbn staff with rests.

Vib

Vib staff with rests and measure numbers 16, 17, 4, 8, 12, 16.

Pno

Pno grand staff with rests and measure numbers 16, 17, 4, 8, 12, 16.

Gtr

Gtr staff with rests and measure numbers 16, 17, 4, 8, 12, 16.

Vln

Vln staff with rests and a melodic line starting at measure 6, marked *mf*.

Vlc

Vlc staff with rests and a melodic line starting at measure 6, marked *mf*.

Cb

Cb staff with rests.

Soundfile

Soundfile staff with rests.

10

11

Enter cb

Alto Sax

Alto Sax staff with rests

Tbn

Tbn staff with rests

Vib

Vib staff with slurs and fingerings 4, 8, 10, 4, 8, 12

Pno

Pno grand staff with slurs and fingerings 4, 8, 10, 4, 8, 12

Gtr

Gtr staff with slurs and fingerings 4, 8, 10, 4, 8, 12

Vln

Vln staff with slurs and fingerings 4, 8, 10, 4, 8, 12

Vlc

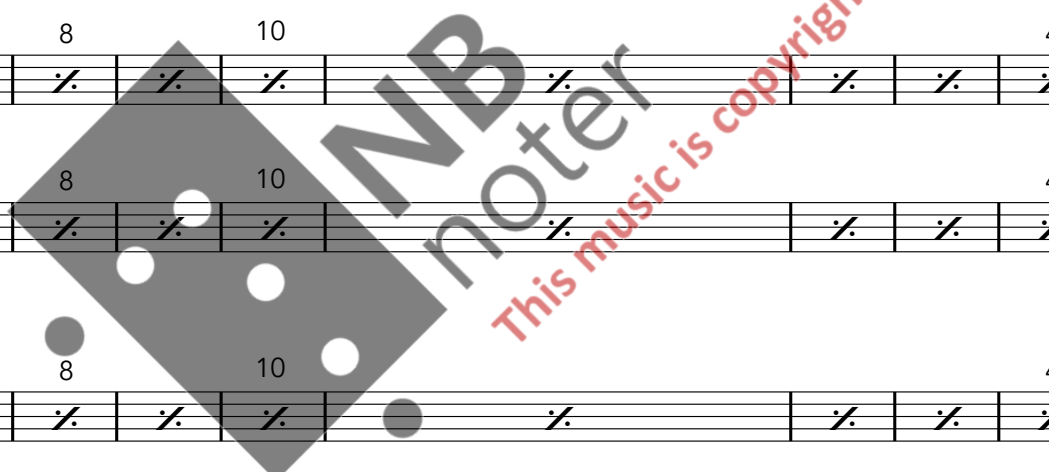
Vlc staff with slurs and fingerings 4, 8, 10, 4, 8, 12

Cb

Cb staff with rests, then *sul tasto* and *ff* markings, then slurs and fingerings 4, 8, 12

Soundfile

Soundfile staff with rests



154

12 Pitch vlc

13 Enter sax + tbn
Breathe ad. lib during 2nd beats only.

Alto Sax

Musical staff for Alto Sax. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mp*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Tbn

Musical staff for Tbn. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Vib

Musical staff for Vib. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Pno

Musical staff for Pno. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Gtr

Musical staff for Gtr. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Vln

Musical staff for Vln. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Vlc

Musical staff for Vlc. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Cb

Musical staff for Cb. Measures 1-12 are rests. Measures 13-14 contain a melodic line starting on a dotted quarter note, marked *mf*. Measure 15 is a whole rest. Measure 16 is a whole note with a fermata.

Soundfile

Soundfile staff showing a series of vertical tick marks corresponding to the measures of the score.

173

14 Pitch tbn

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

193

15 Pitch sax

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

The musical score consists of eight staves for instruments: Alto Sax, Tbn, Vib, Pno, Gtr, Vln, Vlc, and Cb. A ninth staff at the bottom is labeled 'Soundfile'. The score is divided into measures, with measure numbers 12, 15, 4, 8, 12, and 16 indicated above the staves. A circled '193' is at the top left, and a box containing '15 Pitch sax' is above measure 15. The Alto Sax part has a melodic line starting at measure 15, marked with a sharp sign and 'mp'. The other instruments have rests for most of the score. A large watermark 'NB noter' and the text 'This music is copyright protected' are overlaid on the score.

16

17

Pitch tbn + vib

Alto Sax

Tbn

Vib

Pno

Gtr

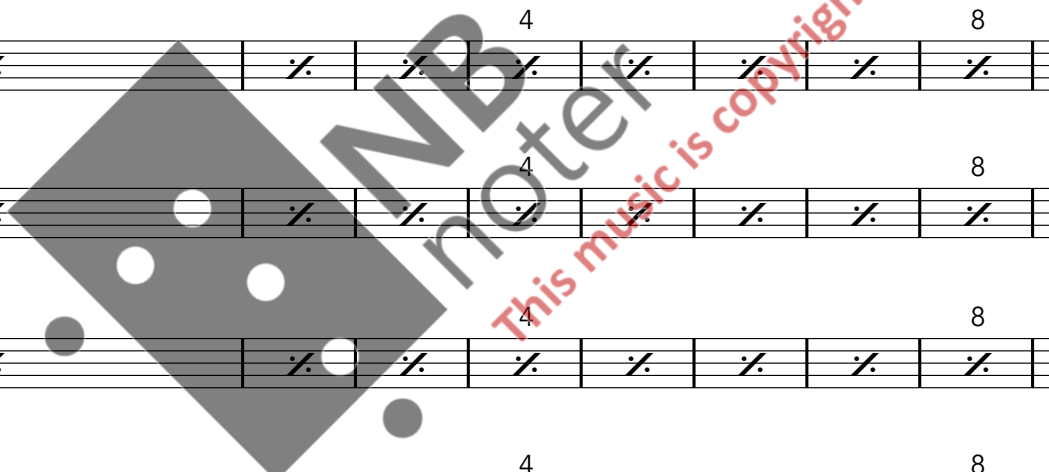
Vln

Vlc

Cb

Soundfile

Musical score for measures 16 and 17. The score includes parts for Alto Sax, Tbn, Vib, Pno, Gtr, Vln, Vlc, and Cb. Measure 17 features a melodic line for Tbn and Vib with accents and a dynamic marking of *mp*. Other instruments have rests or slash marks. The score is marked with measure numbers 4, 8, 12, and 16.



18

19

Pitch sax + vib

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

20

21

End sax + tbn + gtr
Pitch pno + cb

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

The musical score consists of nine staves. The first seven staves are for instruments: Alto Sax, Tbn, Vib, Pno, Gtr, Vln, and Vlc. The eighth staff is for Cb, and the ninth is for Soundfile. Rehearsal mark 20 covers measures 1 through 14, and rehearsal mark 21 covers measures 15 through 22. The score includes various musical notations such as rests, slurs, and dynamic markings. A large watermark 'MNB noter' is overlaid on the score, along with the text 'This music is copyright protected'.

279

22

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

23 Pitch vln + vlc

24 Enter sax + tbn
Pitch vib
E-bow gtr + pno

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

mp

f

e-bow

e-bow

f

f

314

25 Pitch sax

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

26

27

Pitch vib + pno (e-bow)

Alto Sax

Musical staff for Alto Sax with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks indicating performance instructions.

Tbn

Musical staff for Tbn with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks.

Vib

Musical staff for Vib with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks and a dense tremolo pattern in measure 4.

Pno

Musical staff for Pno with measure numbers 3, 4, 8, 12, and 16. Includes an 'e-bow' annotation and a specific note in measure 4.

Gtr

Musical staff for Gtr with measure numbers 3, 4, 8, 12, and 16. The staff is mostly empty with a few notes in measure 3.

Vln

Musical staff for Vln with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks.

Vlc

Musical staff for Vlc with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks.

Cb

Musical staff for Cb with measure numbers 3, 4, 8, 12, and 16. The staff contains rhythmic slash marks.

Soundfile

Soundfile timeline with vertical tick marks corresponding to the measures of the score.



28 29 Pitch sax + tbn + gtr (e-bow) 30 Pitch cb

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

376

31 Pitch sax + tbn + vib + guit + vlc
End gtr e-bow

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

394

32

Pitch sax + tbn + vln

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

The musical score for rehearsal mark 32 is arranged for a jazz ensemble. The instruments are Alto Sax, Tbn, Vib, Pno, Gtr, Vln, Vlc, and Cb. The score is divided into measures, with rehearsal marks at 12, 4, 8, and 12. The Alto Sax and Tbn parts feature a melodic line starting at measure 12, marked *mp-mf*. The Vln part also has a melodic line starting at measure 12. The Pno, Gtr, and Cb parts are mostly silent, indicated by slashes. The Soundfile part is a simple rhythmic pattern. A large watermark reading "NB noter This music is copyright protected" is overlaid on the score.

410

33 End sax + tbn
Pitch vib + gtr + vln

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

16

16

16

16

16

16

16

16

16

16

4

8

12

16

4

8

12

16

4

8

12

16

4

8

12

16

4

8

12

16

34

35

End cb

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

36

37

End vln + vlc

Alto Sax

Alto Sax staff with rests

Tbn

Tbn staff with rests

Vib

Vib staff with slash marks and measure numbers 4, 6, 4, 8, 12

Pno

Pno grand staff with slash marks and measure numbers 4, 6, 4, 8, 12

Gtr

Gtr staff with slash marks and measure numbers 4, 6, 4, 8, 12

Vln

Vln staff with slash marks and measure numbers 4, 6

Vlc

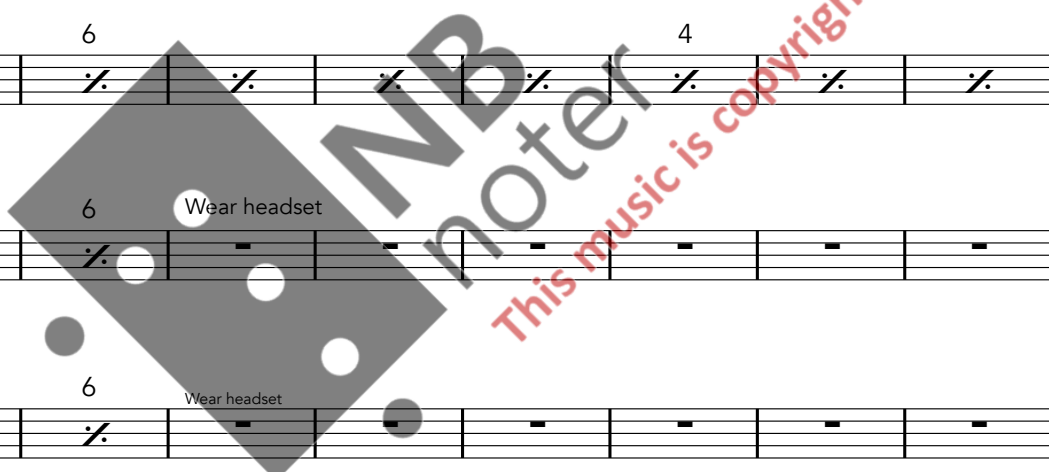
Vlc staff with slash marks and measure numbers 4, 6

Cb

Cb staff with rests

Soundfile

Soundfile staff with rests



Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

16 4 8 12

16 4 8 12

16 4 8 12

mp *mf* *ff*

mp *mf* *ff*

mp *mf* *ff*

22:50 min

40 glissandi and difference

Glissando vln 16 bars

502

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

TRIG 3 for vln headset only

SF syncVLN45

41 Enter sax + tbn + pno
Pitch vib

42

Alto Sax *mp*

Tbn *mp* con sord.

Vib *f*

Pno *p* Ped.

Gtr 8

Vln

Vlc 4

Cb 4

Soundfile

540

43

44 Enter vln cresc.

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

Musical score for measures 540-544. The score includes staves for Alto Sax, Tbn, Vib, Pno, Gtr, Vln, Vlc, and Cb. Measures 540-543 contain slash marks. Measure 544 features a violin entry with a crescendo and a ppp dynamic marking. A watermark 'NB noter' and 'This music is copyright protected' is visible across the score.

560 **45** Pitch tbn

Alto Sax *mf*

Tbn (5) Wear headset *mp*

Vib

Pno

Gtr

Vln *ff* **46** Glissando vln 44 bars *f*

Vlc

Cb

Soundfile **TRIG 4** for vln headset only **SF syncVLN120**

580

47

48

Vln gliss pass through c#
Glissando tbn 22 bars

Alto Sax

8 12 16 4 6 4 8

Tbn

8 12 16 4 6 4 8

Gliss, wear headset for synchronization

Vib

8 12 16 4 6 4 8

Pno

8 12 16 4 6 4 8

Gtr

8 12 16 4 6 4 8

Vln

8 12 16 4 6 4 8

Glissando pass through c# (after ca. 60 sec).

Vlc

8 12 16 4 6 4 8

Cb

8 12 16 4 6 4 8

Soundfile

TRIG 5 for tbn headset only

SF syncTBN60

603

49

50 Pitch sax

51 Pitch vib + pno
Glissando vlc 22 bars
End gtr

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

TRIG 6 for vlc headset only

SF syncVLC60

dim.

p

mp

dim.

Glissando 60 sec, wear headset for synchronization

623

8 12 16 18 4

Alto Sax

8 12 16 18 4

Tbn

8 12 16 18 4

Vib

8 12 16 18 4

Pno

8 12 16 18 4

Gtr

8 12 16 18 4

Vln

Vlc

8 12 16 18 4

Cb

52 Pitch sax

53 Vlc gliss reach c#

This music is copyright protected

Soundfile

54

Pitch cb

55

Pitch tbn + vib + pno
Glissando vln + vlc 40 sec

56

End sax + low pno + cb
Subtle gliss tbn

Alto Sax

4 8 11
dim. al niente

Tbn

4 8 11 4

Vib

p 4 8 11 4

Pno

p 4 8 11 4

Gtr

8

Vln

Glissando 40 sec, wear headset for synchronization
4 8 11 4

Vlc

Glissando 40 sec, wear headset for synchronization
4 8 11 4

Cb

(*p*) sul E
p 4 8 11
dim. al niente

TRIG 7 only for vln and vlc respectively

SF syncVLN40
SF syncVLC40

Soundfile

31:20 min

57 low cycles 16:50

Gliss end tbn + vln + vlc
Enter deep electronics slowly dal niente

31:45 min

58 senza mizura

5 x
Glissando vln + vlc / 10 min

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

TRIG 8

SF syncVLNtrig8

SF syncVLCtrig8

SF lowcycles

32 sec 11 sec 12 sec 15 sec 5 sec 25 sec 15 sec 10 sec

41:40 min
59 SF P-lowcycle.2
6:30 min

48:10 min
60 ruined b131 18:07
Enter SF ruined b131

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

X-fade lowcycle.2

SF ruined b131
0:00 min (time since SF B131)
very slow - approx. 6,5 sec pro ↓

2:42 min

686

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb

Soundfile

NB
noter
This music is copyright protected

59:03 min

699

61 *senza misura*
Enter vlc + cb

Alto Sax

Tbn

Vib

Pno

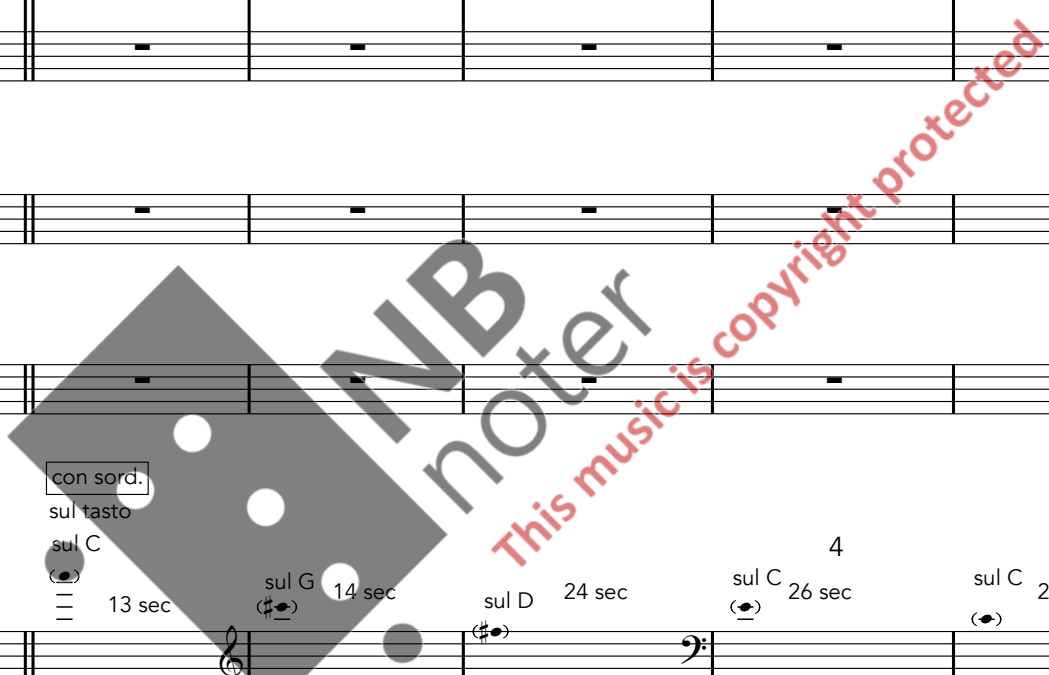
Gtr

Vln

Vlc

Cb

Soundfile



musical score for Alto Sax, Tbn, Vib, Pno, Gtr, Vln, Vlc, Cb, and Soundfile.

Annotations for Vlc and Cb:

- con sord. sul tasto sul C (13 sec)
- con sord. sul tasto sul G (14 sec)
- con sord. sul tasto sul D (24 sec)
- con sord. sul tasto sul C (26 sec)
- con sord. sul tasto sul C (25 sec)
- con sord. sul tasto sul G (25 sec)
- con sord. sul tasto sul A (26 sec)
- con sord. sul tasto sul E (25 sec)
- con sord. sul tasto sul D (24 sec)
- con sord. sul tasto sul A (25 sec)

Soundfile annotations:

- 10:01 min
- 10:25 min
- 10:53 min
- 11:06
- 11:20
- 11:44
- 12:10
- 12:35
- 13:01
- 13:25

Dynamic markings: *mp*, *sf*

62

63

Alto Sax

Tbn

Vib

Pno

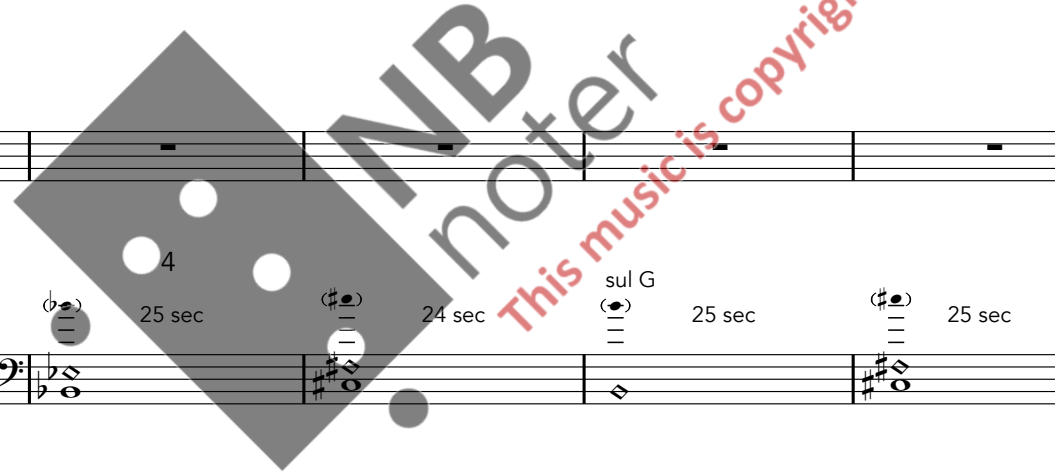
Gtr

Vln

Vlc

Cb

Soundfile



Alto Sax staff with measure numbers 62 and 63. The staff contains rests for all measures.

Tbn staff with measure numbers 62 and 63. The staff contains rests for all measures.

Vib staff with measure numbers 62 and 63. The staff contains rests for all measures.

Pno staff with measure numbers 62 and 63. The staff contains rests for all measures.

Gtr staff with measure numbers 62 and 63. The staff contains rests for all measures.

Vln staff with measure numbers 62 and 63. The staff contains rests for all measures.

Vlc staff with measure numbers 62 and 63. Includes performance instructions: *sul G* 20 sec, *sul A* 15 sec, *sul G* 25 sec, *sul G* 25 sec, *sul G* 25 sec, *sul G* 25 sec, *sul G* 25 sec.

Cb staff with measure numbers 62 and 63. Includes performance instructions: *sul E* 20 sec, *sul E* 15 sec, *sul D* 25 sec, *sul D* 24 sec, *sul D* 25 sec, *sul D* 25 sec, *sul D* 27 sec, *sul E* 25 sec, *sul E* 25 sec.

Soundfile staff with measure numbers 62 and 63. Includes time stamps: 13:50, 14:10, 14:30, 14:45, 15:10, 15:34, 15:59, 16:24, 16:51, 17:16.

1:06:17 min

64 slowbird 6:29

720

Alto Sax

Tbn

Vib

Pno

Gtr

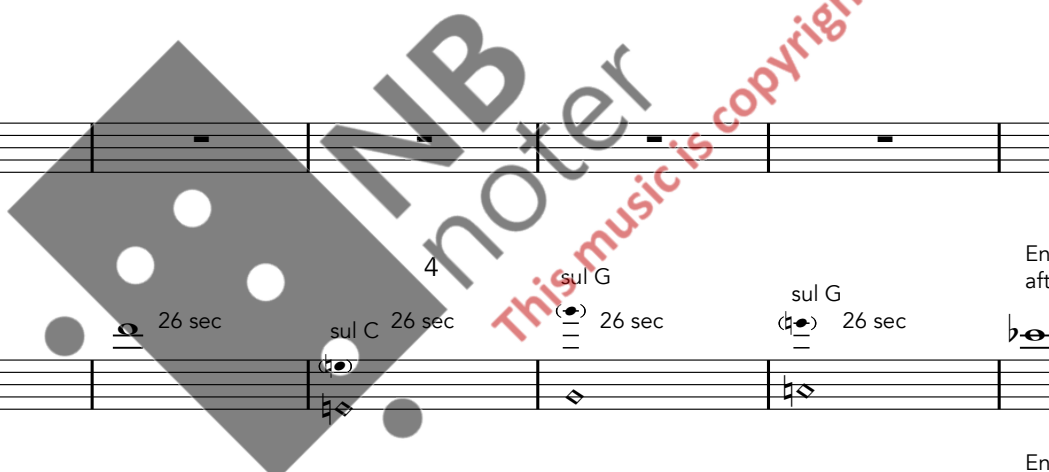
Vln

Vlc

Cb

Violin and Cello parts include the following performance instructions:

- Violin: sul C 26 sec, 23 sec, 26 sec, 26 sec, sul C 26 sec, sul G 26 sec, sul G 26 sec, Enter SF low crow after 7 sec 26 sec, sul G 26 sec, SF low crow after 7 sec 26 sec.
- Cello: sul D 26 sec, sul D 23 sec, 26 sec, sul D 26 sec, 26 sec, sul E 26 sec, 26 sec, Enter SF low crow after 7 sec 26 sec, 26 sec, 26 sec, SF low crow after 7 sec 26 sec.



Soundfile

17:41

18:07

18:30

SF slowbirdalarm

Enter low crow

Low crow

731

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb.

Soundfile

bird: wings: crow: --- || || || || || (alarm audible)

26 sec 12 26 sec SF medium crow approx. here sul A 26 sec sul G 26 sec 26 sec 15 sul G 26 sec

sul D 26 sec sul E 12 26 sec SF medium crow approx. here sul E 26 sec 15 sul A 26 sec

medium crow

1:12:46 min

65 alarm 4:05

Enter SF alarm + pno + gtr e-bow
End vlc

Ca. 1 min

1:13:46 min

66 ♩ = 107

Enter SF noise + tutti

senza mizura

Ca. 1:20 min

1:15:05 min

67

End SF noise
Ca. 0:40 min

1:15:46 min

68

End SF alarm
Ca. 1 min

1:16:50 min

Alto Sax

Tbn

Vib

Pno

Gtr

Vln

Vlc

Cb.

Soundfile

Enter alarm

TRIG 9

SF noisealarm

SF slowbirdalarm:



End noise

End alarm

TACET

soft mallets

mp-mf
Ped.

