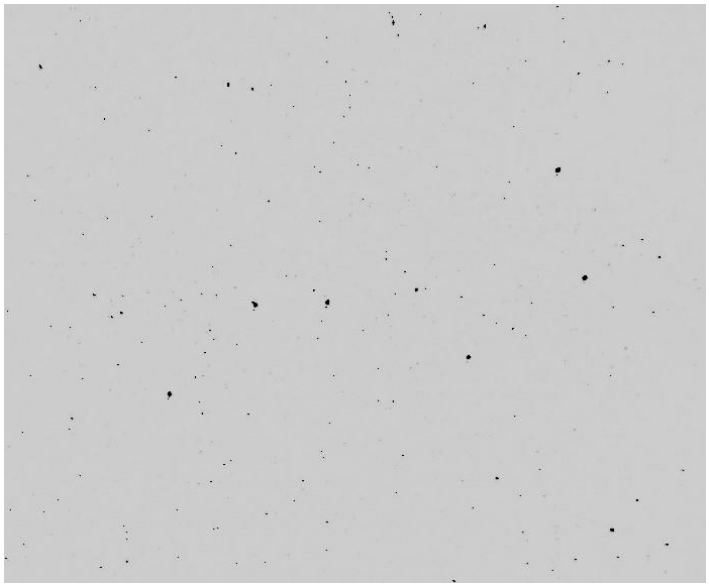
Ursa



for bass clarinet and live electronics

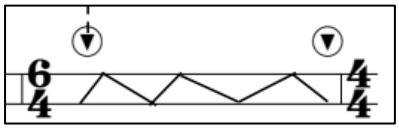
Elena Ralli

2023

Electronics

Notation

press USB Pedal to start or stop the electronics



open and close the Breath-Sensor-Belt by diaphragmatic breathing and moving your belly

Hardware

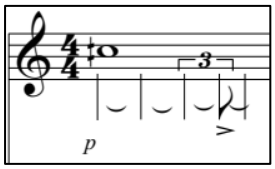
USB Pedal
Breath-Sensor-Belt (provided by the composer)
Laptop
Audio Interface
Mixer
Sound-System of 4 channels or more

Software

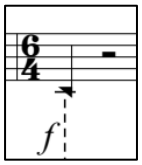
Pure Data Patch with 7 channel output (provided by the composer)

Bass clarinet

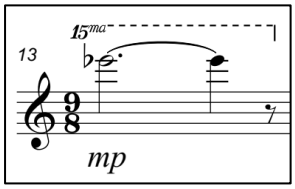
Notation



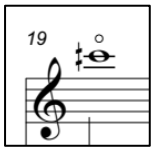
only do an accent when notated



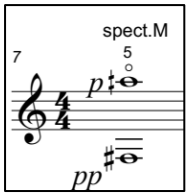
right-angled triangle noteheads: slap tongue



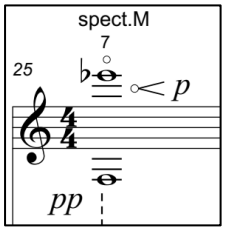
in bars 13,22,28,40,57 and 64, use teeth tone if needed

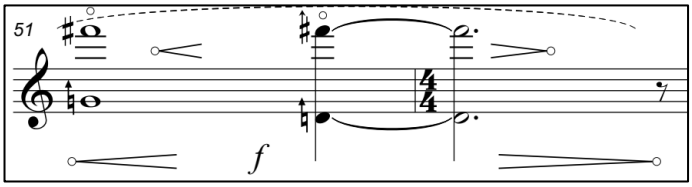


play as a harmonic, you can decide the fingering



spectral Multiphonic



and


start with the low tone and then play together with the high tone

<u>Performance instructions</u>

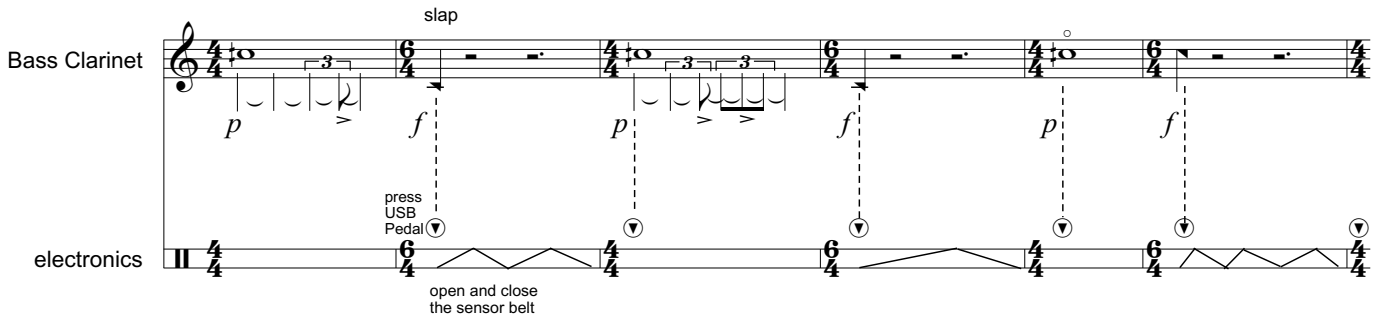
Vibrato only when notated

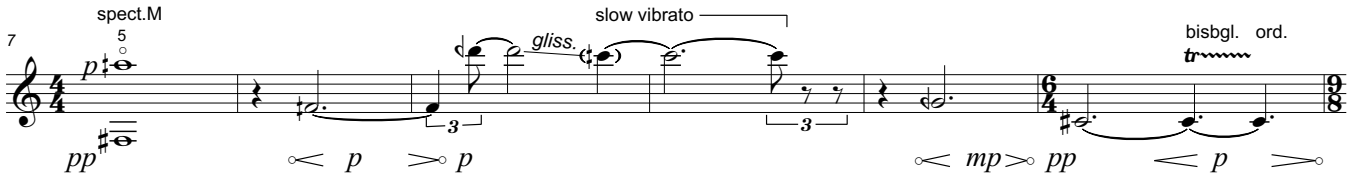
for Carlos Cordeiro

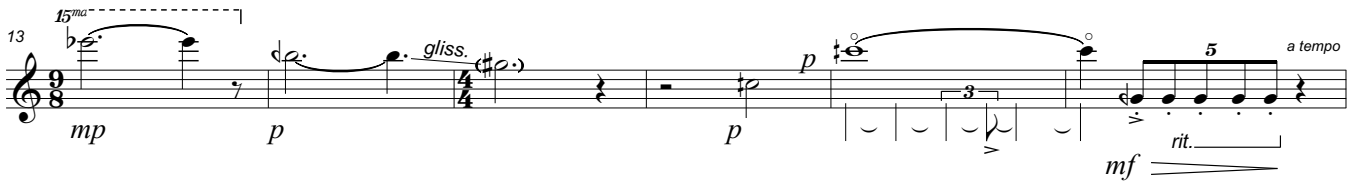
Ursa

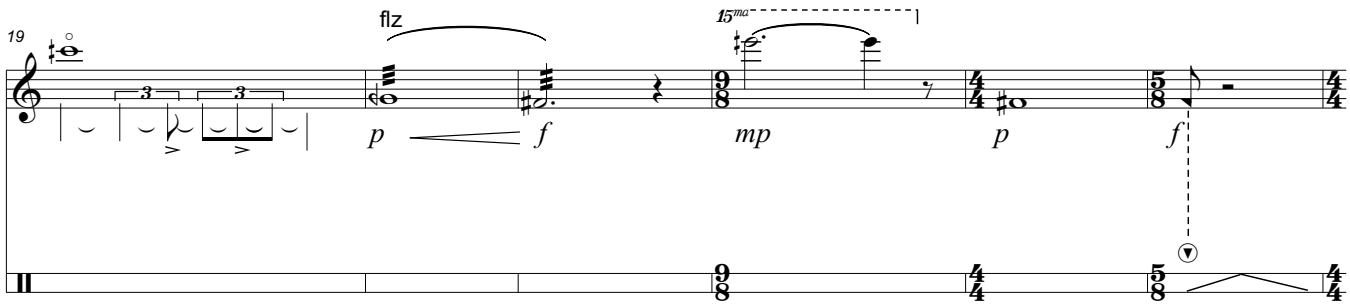
♩ = 60-68

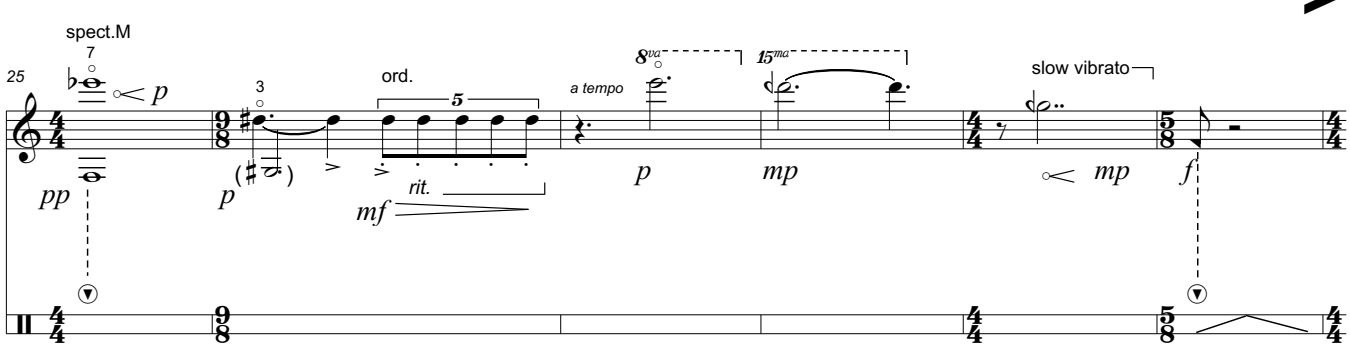
Elena Ralli

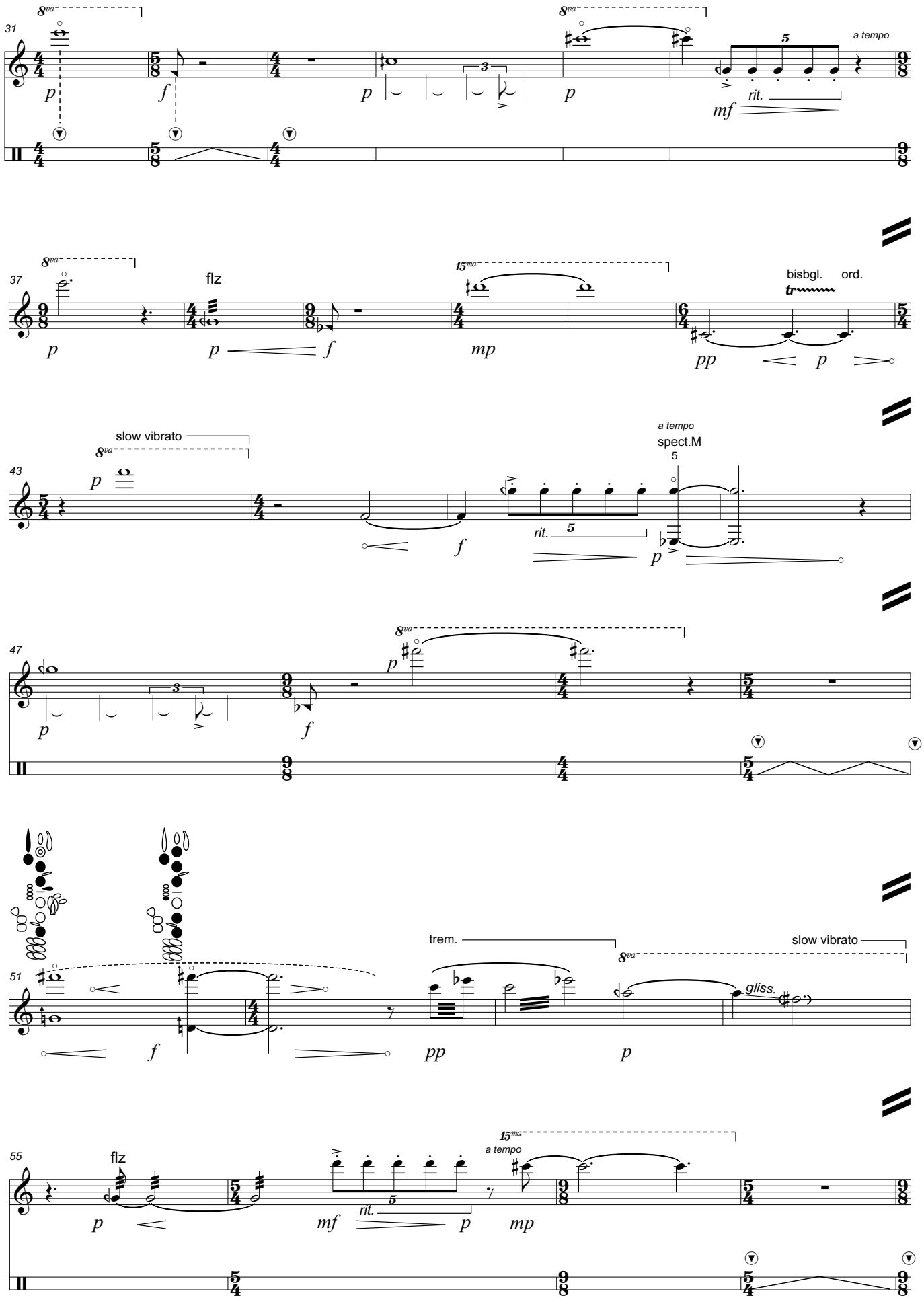


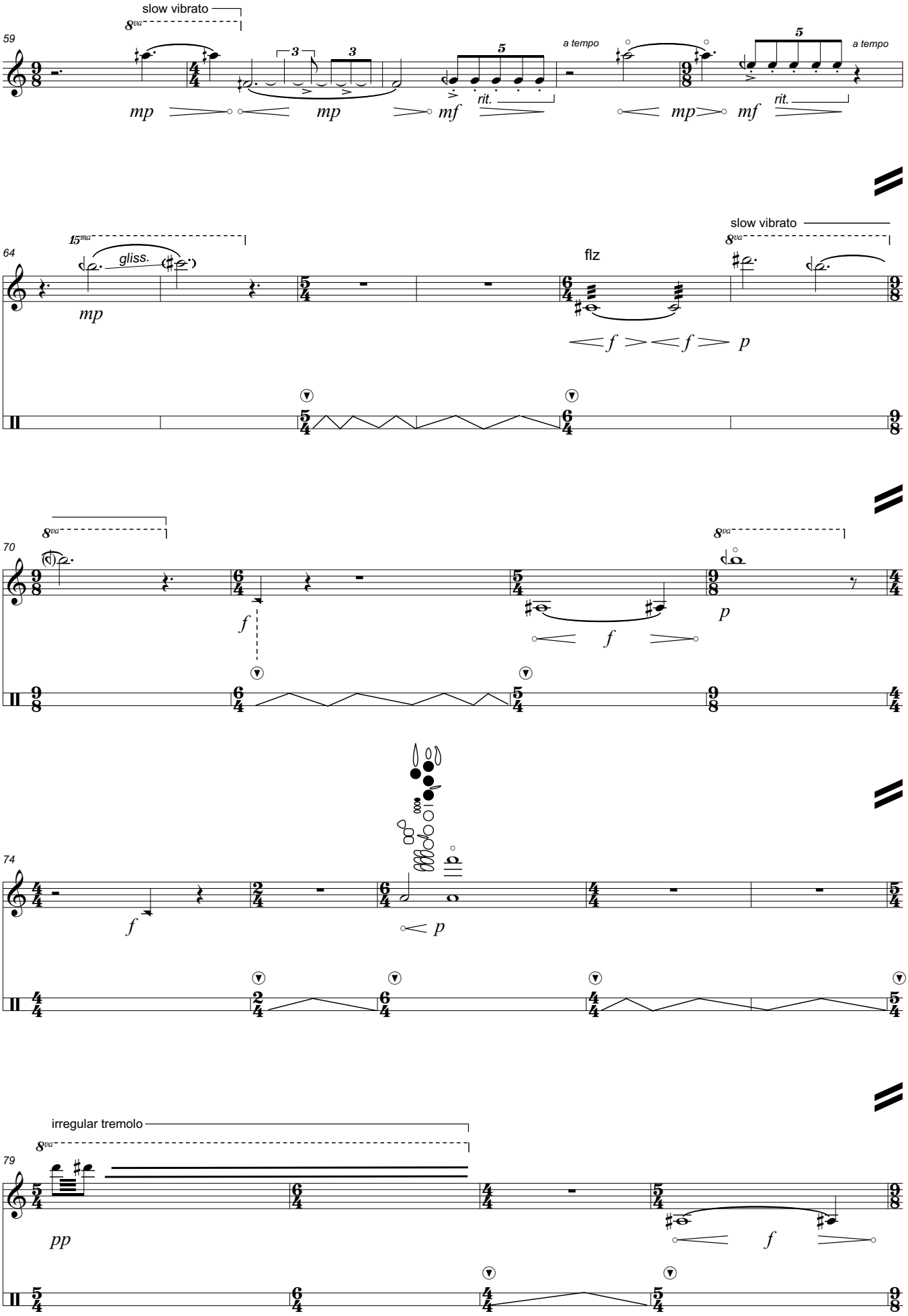


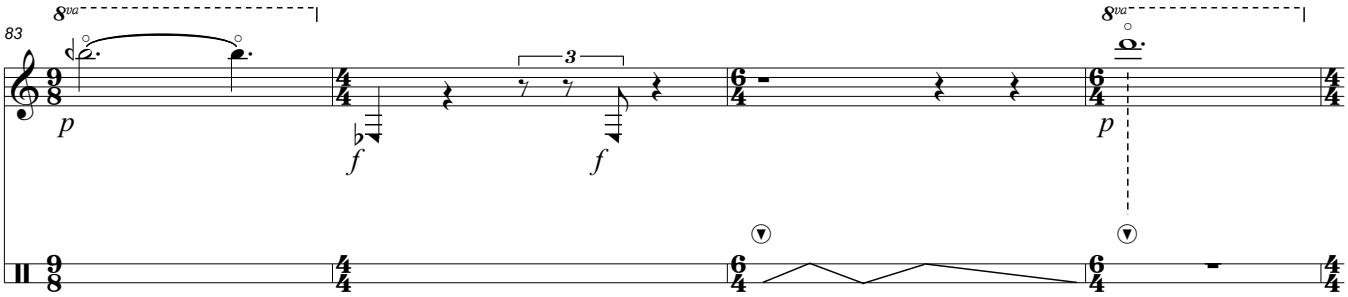


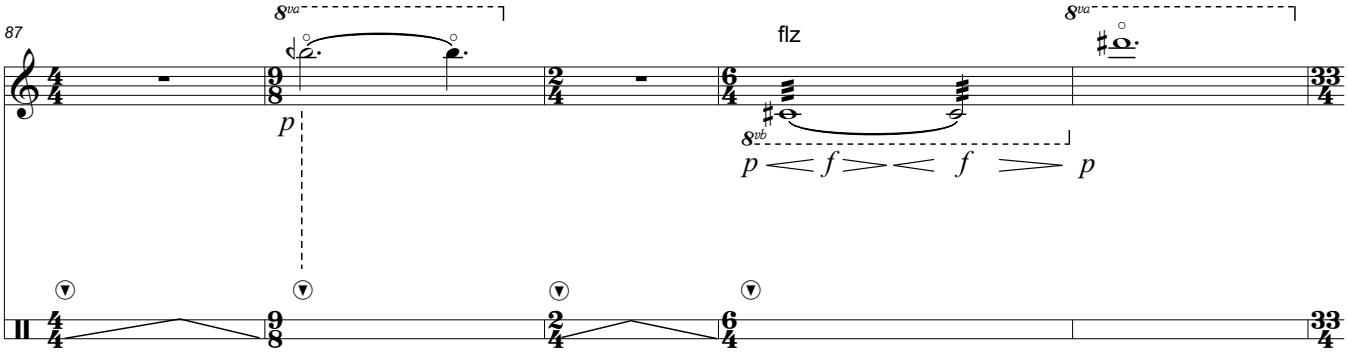


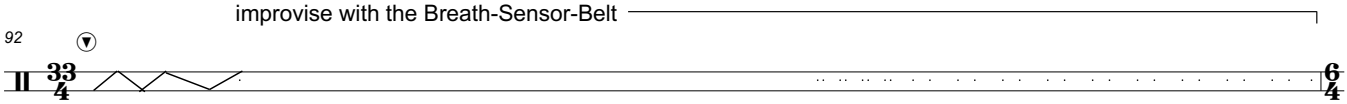


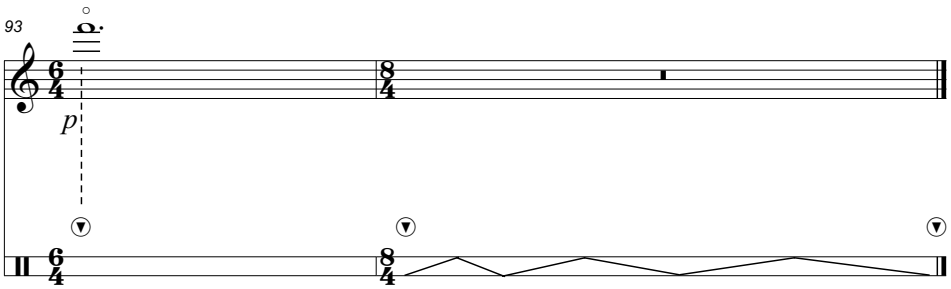

31
8va
p
f
p
3
8va
5
a tempo
mf
rit.
37
8va
flz
15ma
bisbgl.
ord.
tr
p
p
f
mp
pp
p
43
slow vibrato
8va
p
a tempo
spect.M
5
f
rit.
5
p
47
8va
p
3
p
f
51
trem.
8va
slow vibrato
gliss.
f
pp
p
55
flz
15ma
a tempo
p
mf
rit.
5
p
mp


slow vibrato
8va
59
mp
mp
mf
rit.
a tempo
mp
mf
rit.
a tempo
15ma
64
gliss.
mp
flz
slow vibrato
8va
f
f
p
8va
70
8va
f
f
p
74
f
p
irregular tremolo
8va
79
pp
f


83
8va
p
f
3
f
8va
p


87
8va
p
flz
8va
8vb
p
f
f
p
8va


improvise with the Breath-Sensor-Belt
92


93
p