Julio Zúñiga

CAS

for contrabass clarinet and
piccolo with octave pedals,
and sine tones

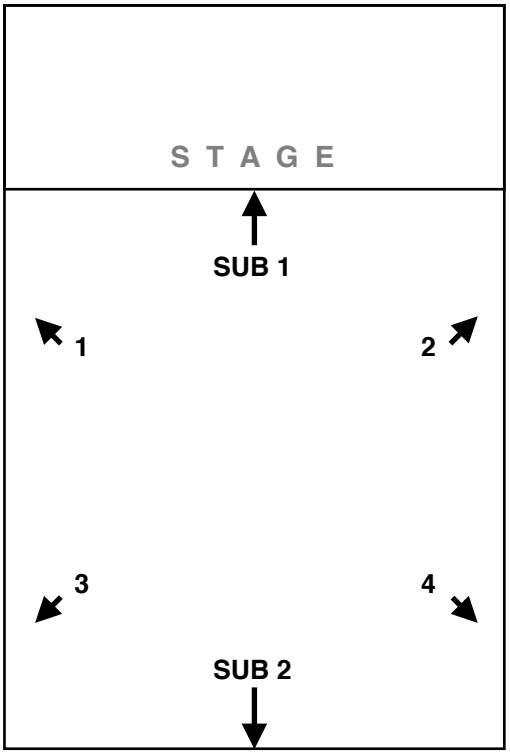
(2017)

INSTRUMENTATION AND SETUP

contrabass clarinet in B♭
    1 analog octave pedal
    1 MIDI foot switch
piccolo
    1 analog octave pedal

3 cardioid condenser microphones (Neumann KM 184 or similar)

1 subwoofer facing the stage
1 subwoofer facing the back wall of the hall
4 speakers around the audience, pointing toward the side walls



The performers must not be on stage. Rather, they are amplified from a separate room. This may be a room backstage or any other with a routing mechanism whereby the signal can be fed into the hall.

NOTATION AND GENERAL INDICATIONS

This is a **transposing** score. In addition to the customary transposition applied to the contrabass clarinet, the octave pedal will transpose the resulting pitch yet one more octave down.
In the case of the piccolo, the octave pedal is set to transpose the sound one octave above the sounding pitch.

Small arrows on accidentals indicate subdivisions smaller than a quarter-tone.

Dynamics are to be interpreted very literally throughout. *Cresc*. and *decresc*. should not be applied to note onsets and offsets, respectively. Rather, the impression of crude sonic blocks is desired.
(Think of **NOTE ON**, **NOTE OFF**.)

CONTRABASS CLARINET

With the exception of the first bar, everything should be played in full tone, with as little air sound as possible. It is important that the tone is kept dark—poor in upper partials, with a strong emphasis on the fundamental—throughout.

SINE TONES AND AMPLIFICATION

The low sine tones, triggered by the clarinetist, come out exclusively of the second sub (except for the 83.944 Hz sine in measure 7), while the low contrabass clarinet sounds are heard mostly from the front sub.

Duration: 7’13”

CAS

for Ingólfur and Kristjana

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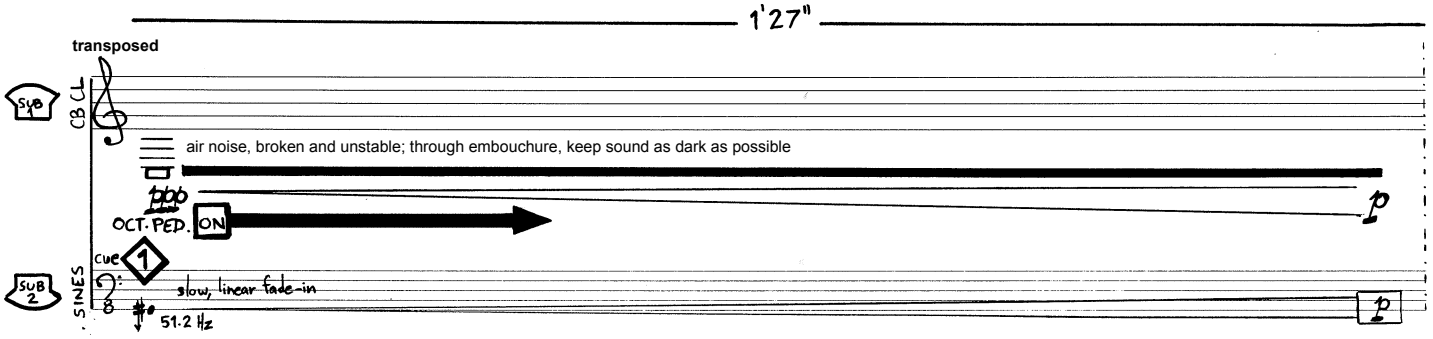

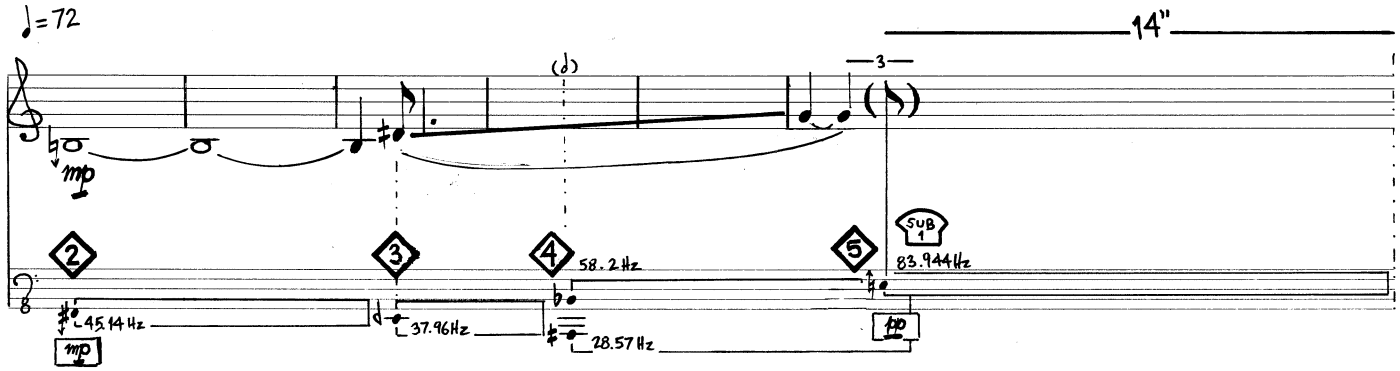

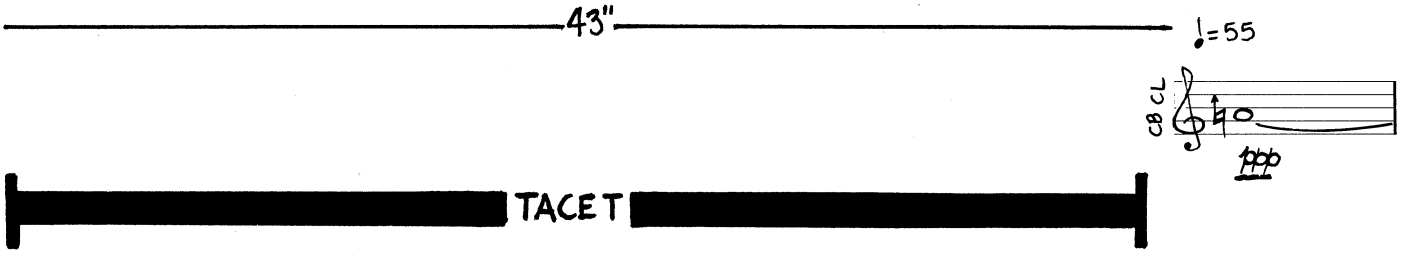

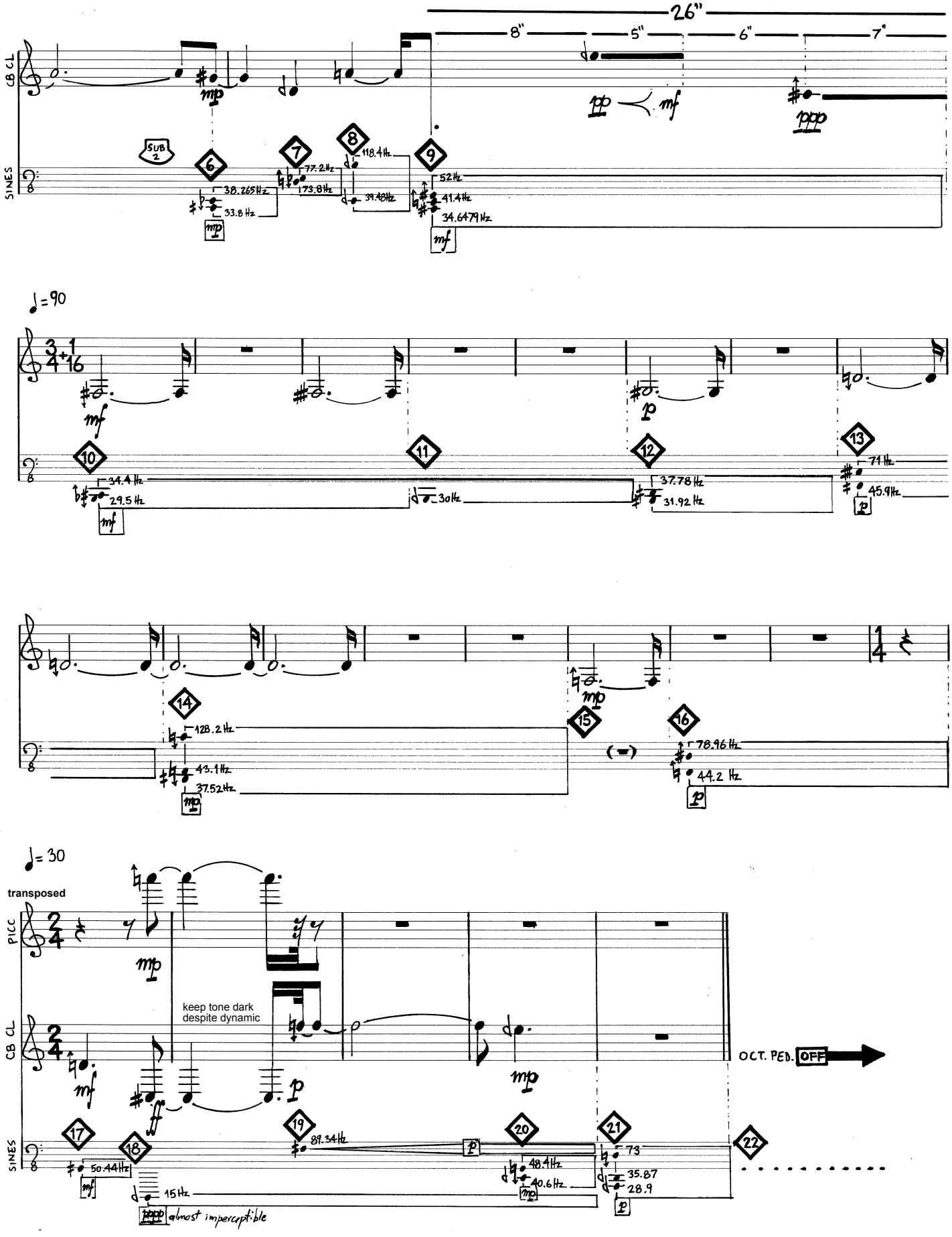
26"
8"
5"
6"
7"
CB CL
SINES
SUB 2
6
7
8
9
38.265Hz
33.8 Hz
77.2Hz
173.8Hz
118.4Hz
39.48Hz
52Hz
41.4Hz
34.6479Hz
♩=90
3/4+1/16
10
11
12
13
34.4 Hz
29.5 Hz
30Hz
37.78 Hz
31.92 Hz
71Hz
45.9Hz
14
15
16
128.2Hz
43.1Hz
37.52Hz
78.96 Hz
44.2 Hz
♩=30
transposed
PICC
CB CL
SINES
keep tone dark
despite dynamic
OCT. PED. OFF
17
18
19
20
21
22
50.44Hz
15Hz
almost imperceptible
89.34Hz
48.4Hz
40.6Hz
73
35.87
28.9