Pitch Gradient with Noise #6 (in Bb)

for harp, flute, oboe, 2 vibraphones, accordion, 2 violas, cello, 2 double basses, and electronics

JORDAN DYKSTRA (2019)

Commissioned by Ben Richter for a premiere by Ghost Ensemble on June 15, 2019 at UMass NYPOP, 526 W 26 St. #314 in New York, NY .

Spring 2019
Amsterdam, The Netherlands

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Pitch Gradient with Noise #6 (in Bb) (2019)
JORDAN DYKSTRA

DURATION
21:00 (with 30" of silence at the beginning and end)

INSTRUMENTATION*
(1) flute
(1) oboe
(1) accordion
(2) vibraphones (bowed)
(1) harp (with Ebow)
(2) violas
(1) cello
(2) double basses
(1) electronics (sine tones) – may be performed live or fixed playback (optionally provided by the composer via *jordandykstra@gmail.com*)
*Instruments may be subtitled with others in their instrument class. Multiple players per part is okay.

PROGRAM NOTES
General description: Throughout the course of the piece, the ensemble creates an amorphic sound mass which gradually evolves – at a rate of 10 cents per minute – from one semitone to the next. Players may play the notated pitch class (with cent deviation) in any octave, playing with the beating pattern interactions found within the ensemble. All players are also encouraged, instead of voicing their sounding pitch, to, at their choosing, create a sustained noise instead with their instrument (i.e. string players bowing the body of their instrument, wind players blowing just breath, sliding fingers up and down the strings of a harp, etc.) or through implementation from another noise source all together (i.e. rubbing 2 stones together, brush on a drum head, rustling a bowl of leaves, swishing a plastic bag, etc.).

Score in C.
Attention to cent deviation is *extremely important*, all players are encouraged to use a tuner with contact mic-clip.
A seating arrangement should be chosen so the lowest audible spectrum is in the center and, fanning out, the highest spectrum on either side of the semicircle.
Dynamics: Balanced throughout, the ensemble forming one sound texture. Electronic playback should be heard, but never competing with any one instrument.
String players: Without vibrato. Harmonics, sul ponticello/tasto are fine.

Amsterdam, The Netherlands (Spring 2019)

Pitch Gradient with Noise #6 (in Bb)

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"

Flute

Oboe

Accordion

Vibraphone 1

Vibraphone 2

Harp

Viola 1

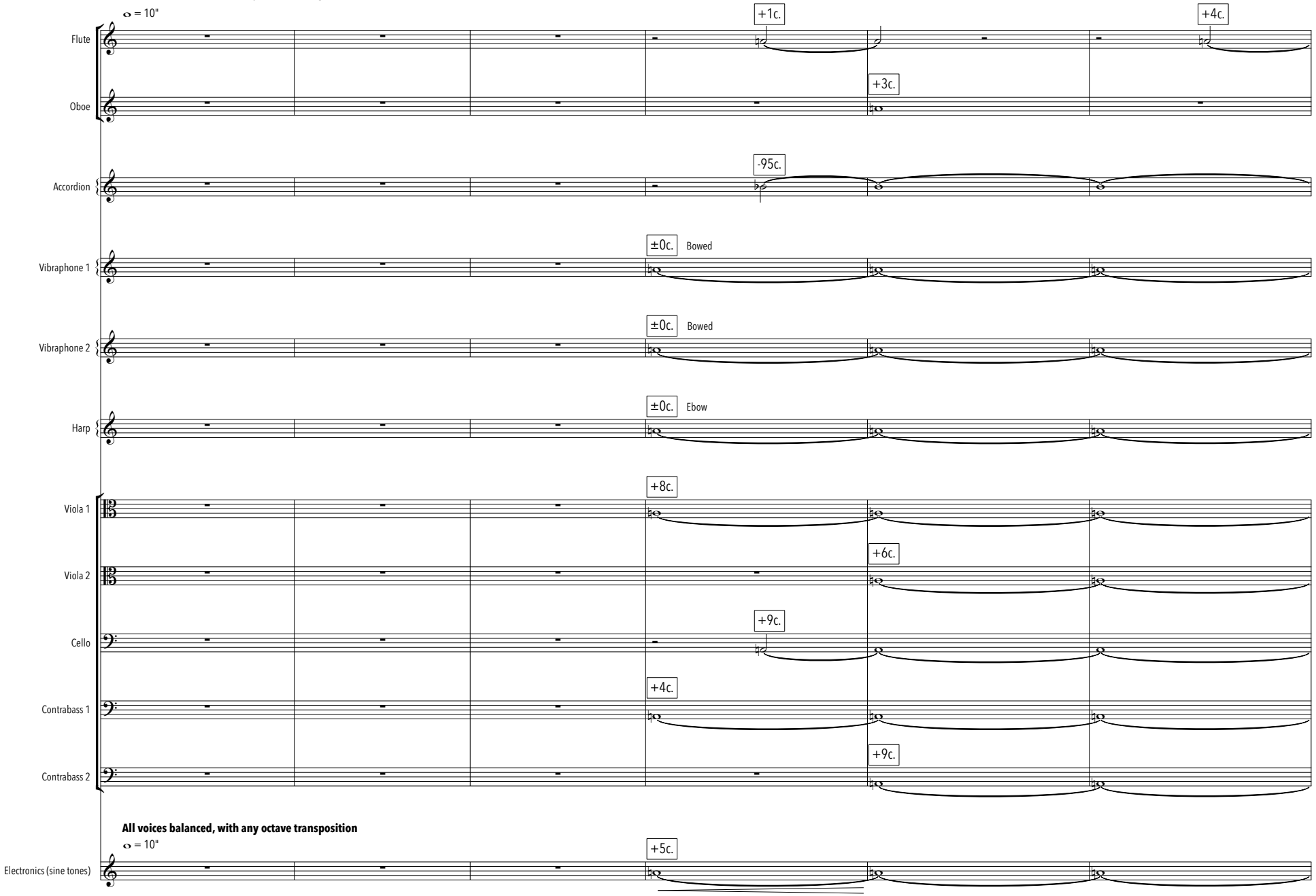
Viola 2

Cello

Contrabass 1

Contrabass 2

Electronics (sine tones)



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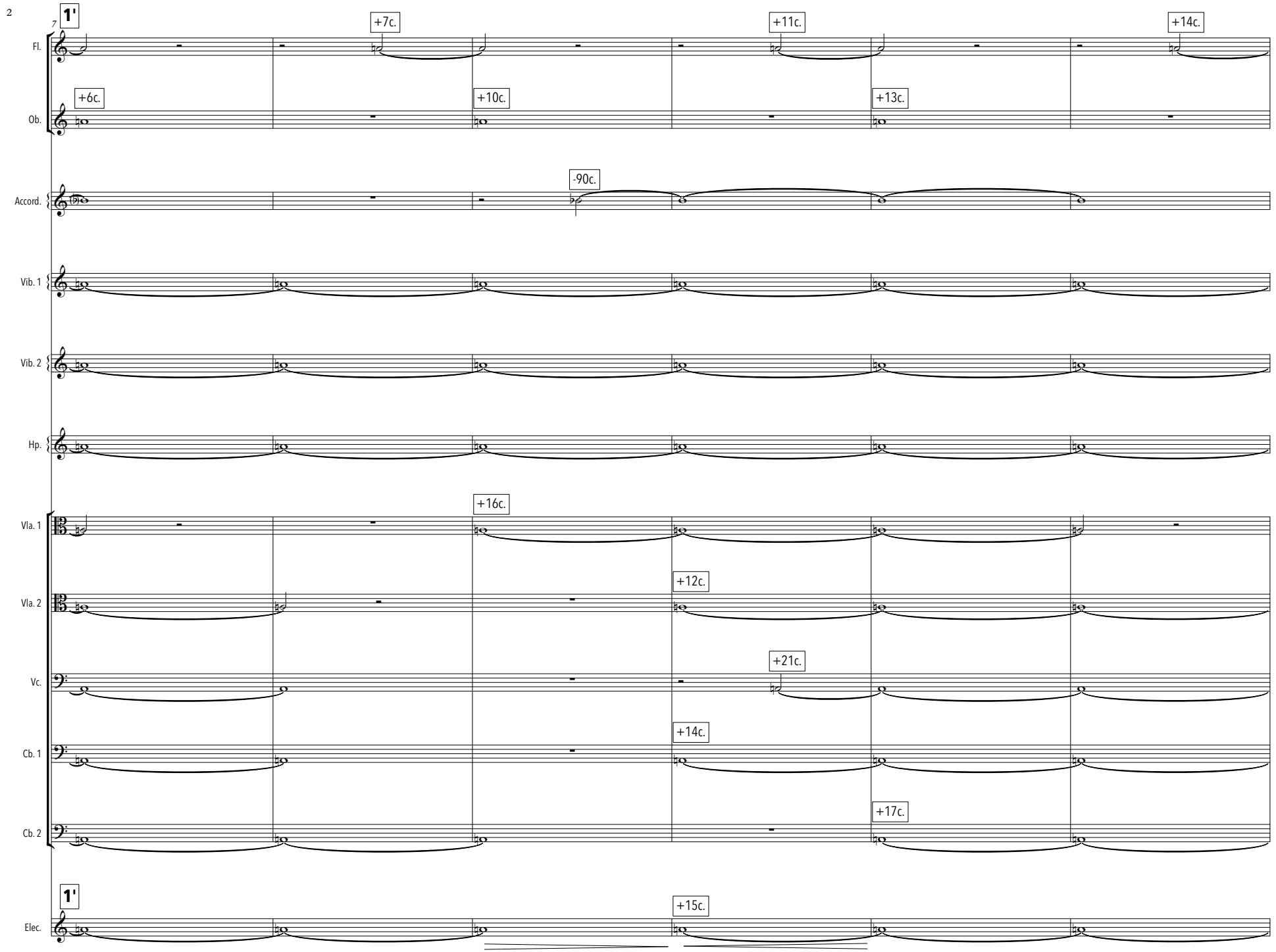
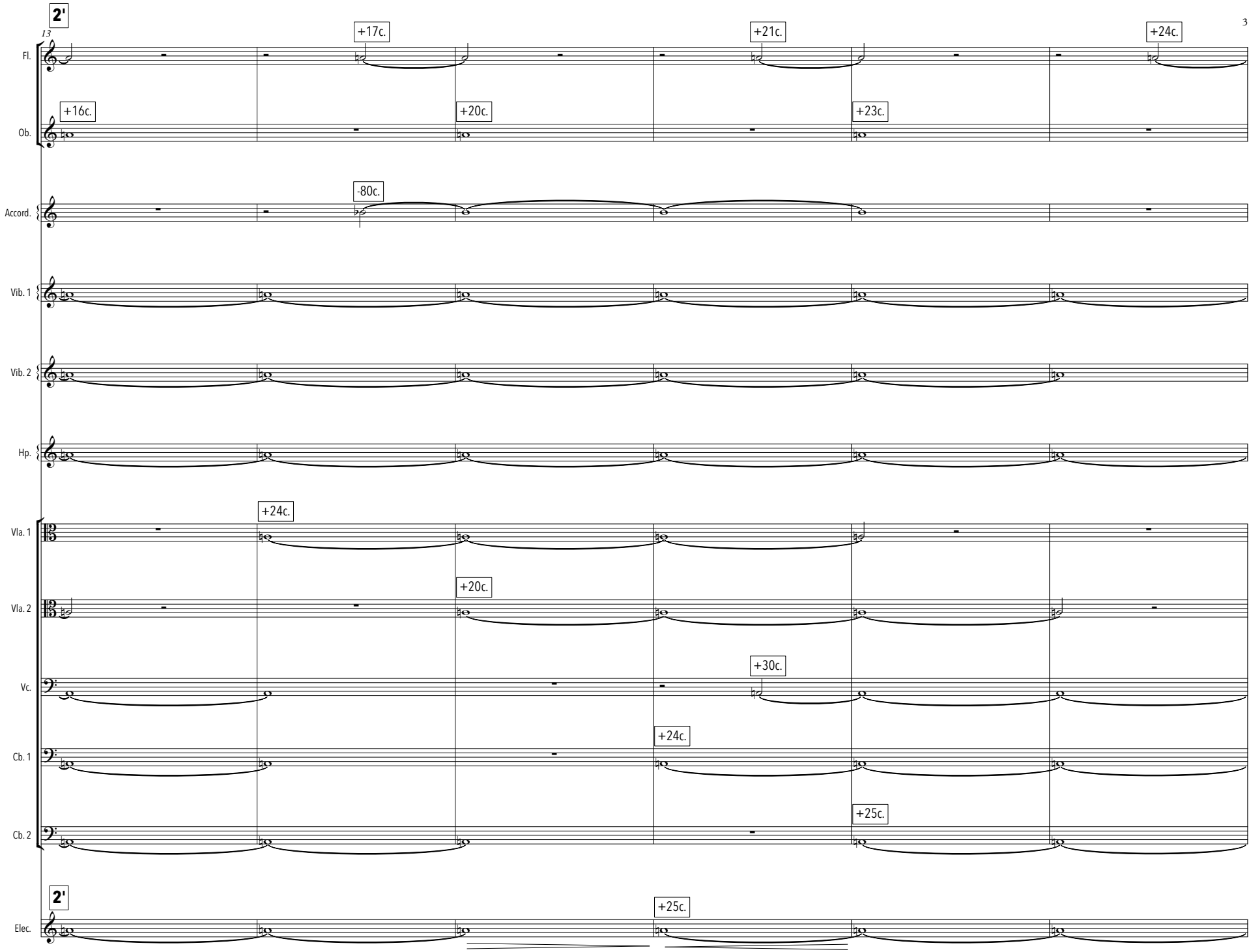
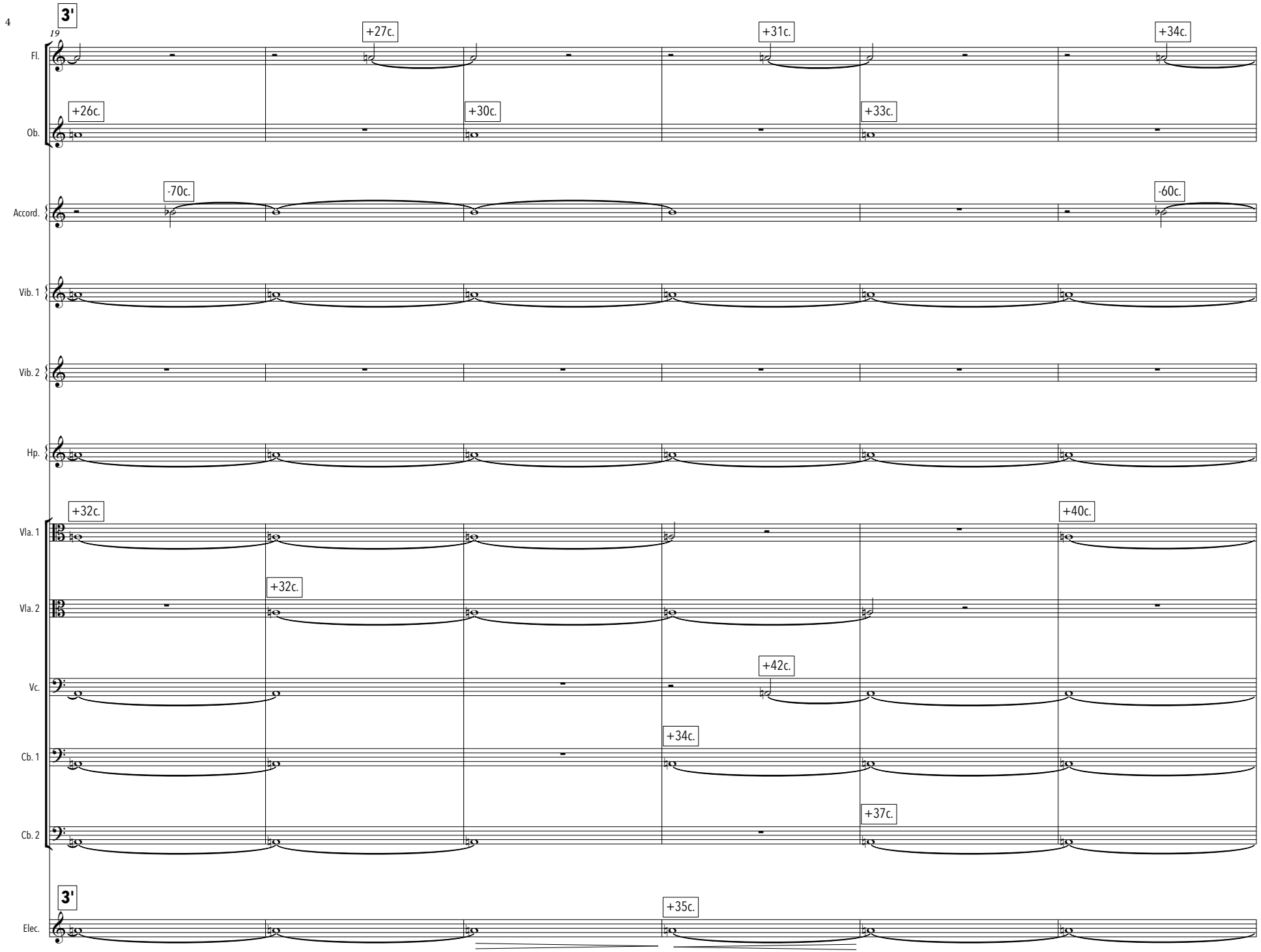
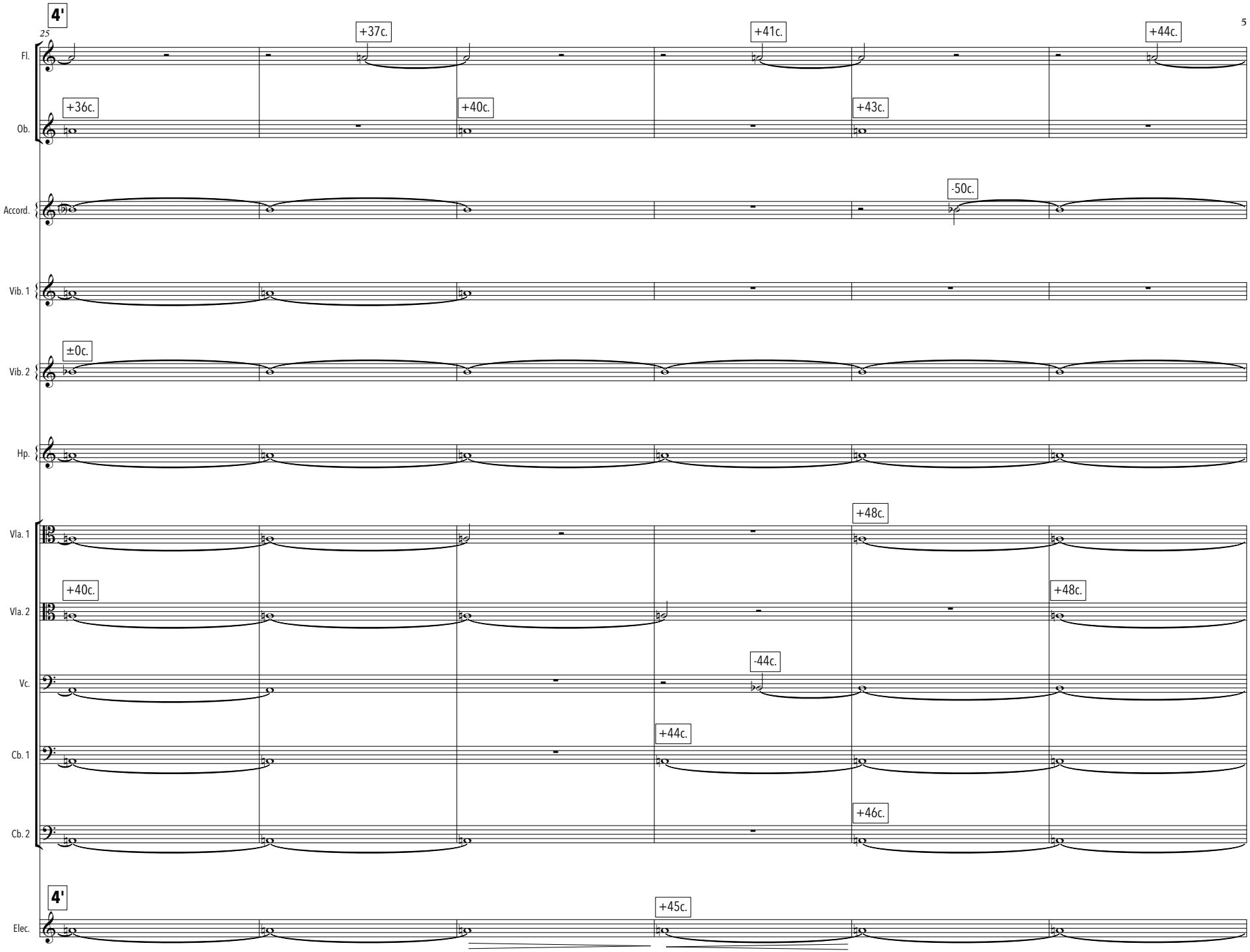
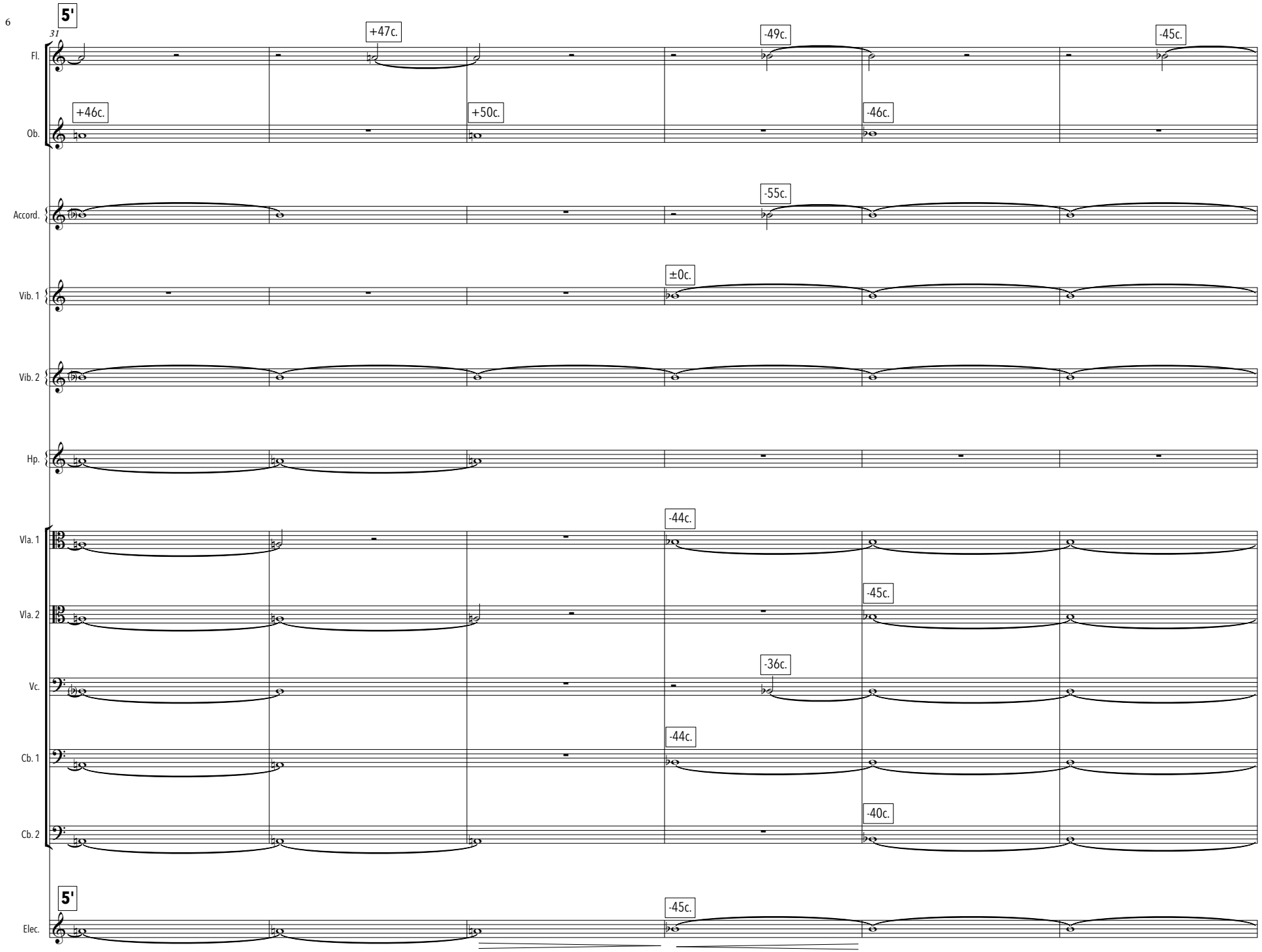
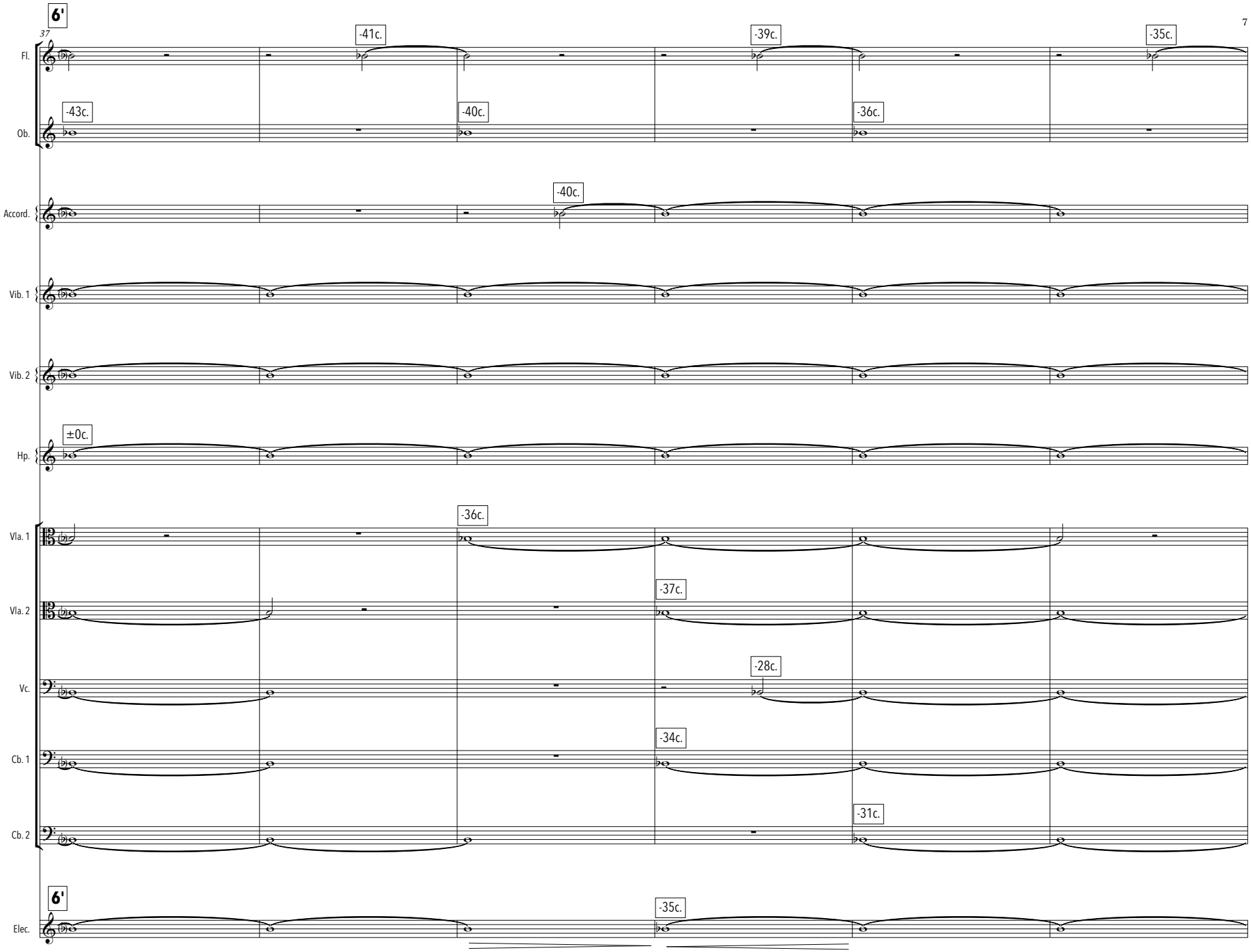

7
1'
+7c.
+11c.
+14c.
Fl.
+6c.
+10c.
+13c.
Ob.
-90c.
Accord.
Vib. 1
Vib. 2
Hp.
+16c.
Vla. 1
+12c.
Vla. 2
+21c.
Vc.
+14c.
Cb. 1
+17c.
Cb. 2
1'
+15c.
Elec.

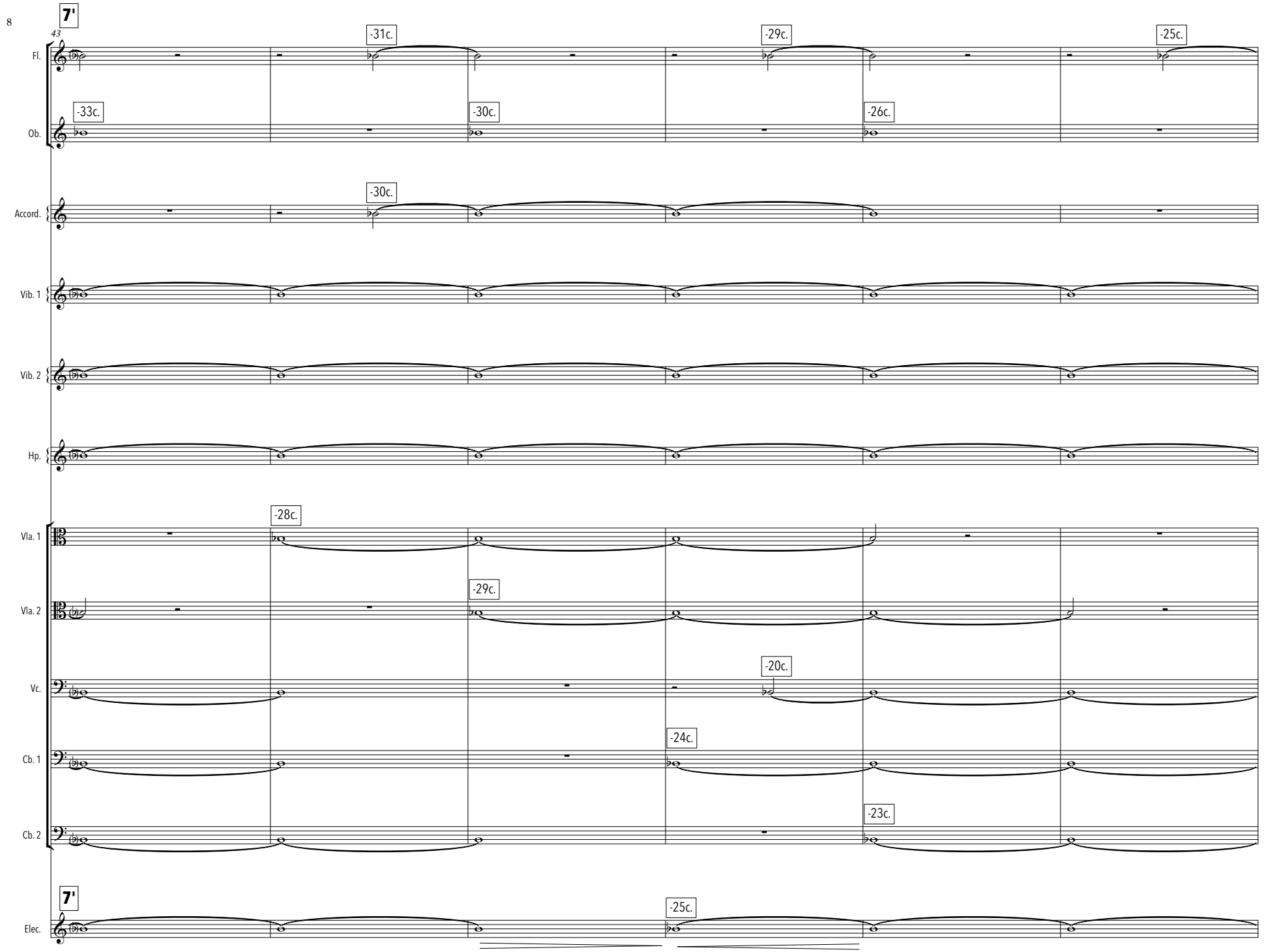

2'
13
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+16c.
+17c.
+20c.
+21c.
+23c.
+24c.
-80c.
+24c.
+20c.
+30c.
+24c.
+25c.
2'
+25c.

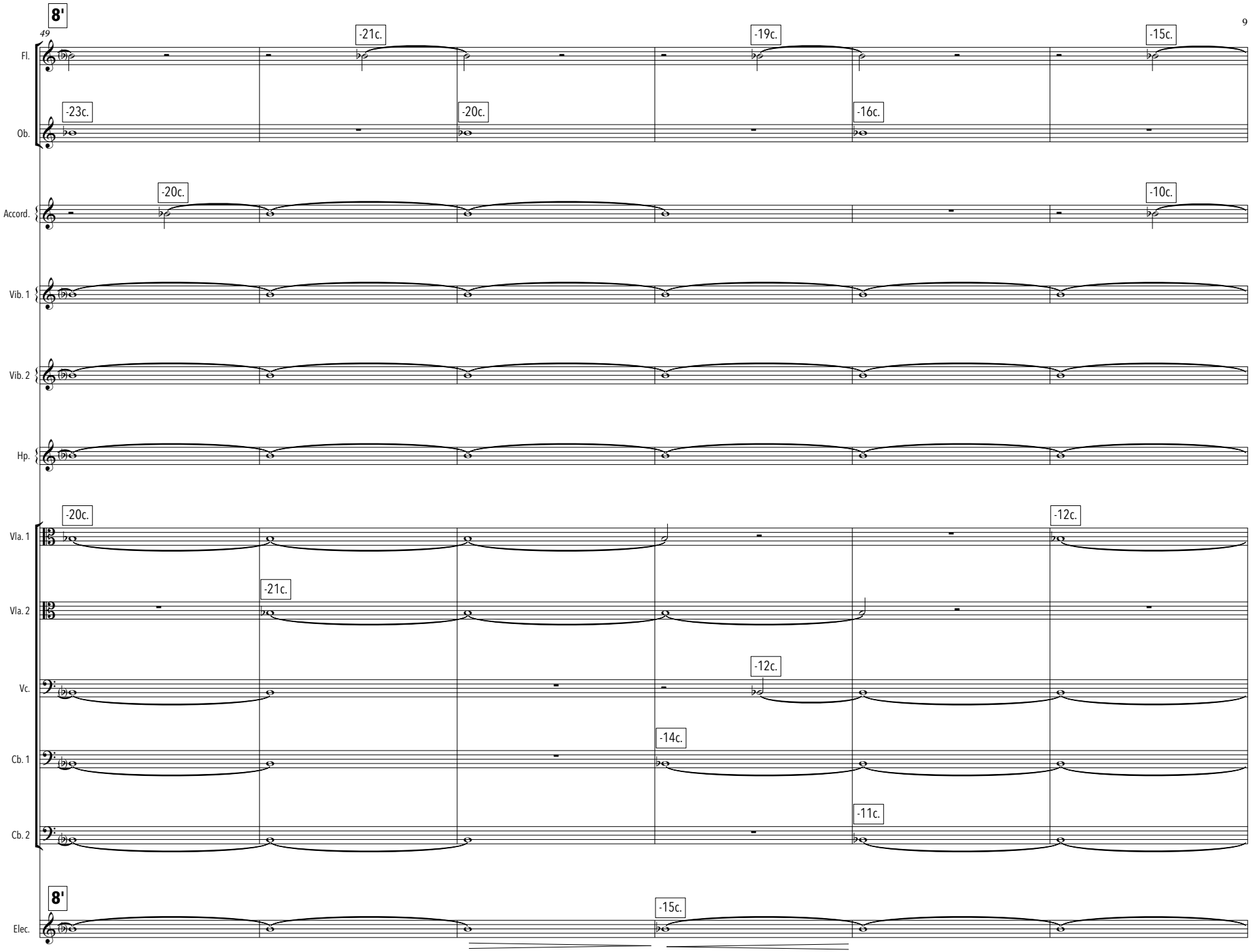

19
3'
+27c.
+31c.
+34c.
Fl.
+26c.
+30c.
+33c.
Ob.
-70c.
-60c.
Accord.
Vib. 1
Vib. 2
Hp.
+32c.
+40c.
Vla. 1
+32c.
Vla. 2
+42c.
Vc.
+34c.
Cb. 1
+37c.
Cb. 2
3'
+35c.
Elec.

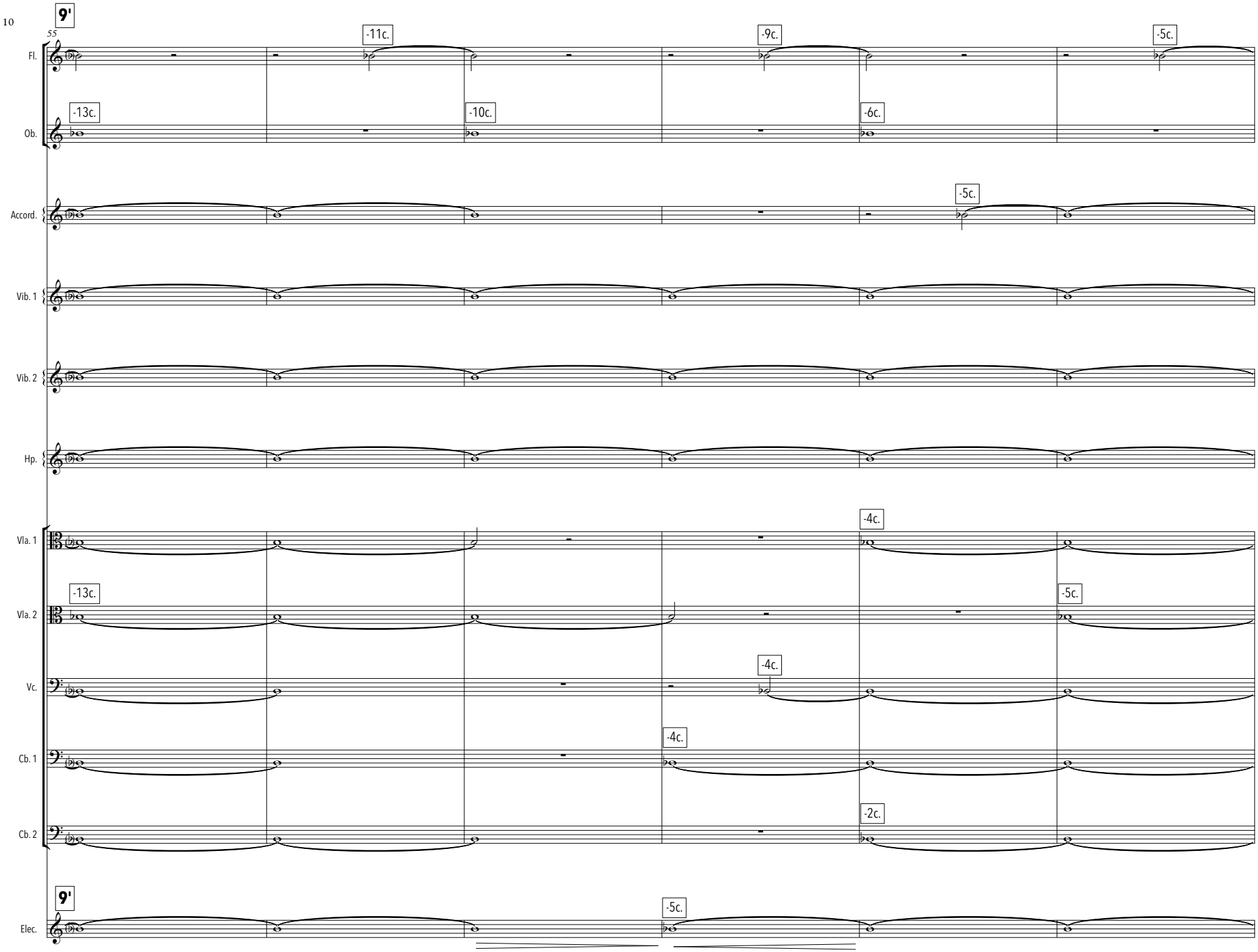

4'
25
Fl.
+37c.
+41c.
+44c.
Ob.
+36c.
+40c.
+43c.
Accord.
-50c.
Vib. 1
Vib. 2
±0c.
Hp.
Vla. 1
+48c.
Vla. 2
+40c.
+48c.
Vc.
-44c.
Cb. 1
+44c.
Cb. 2
+46c.
4'
Elec.
+45c.

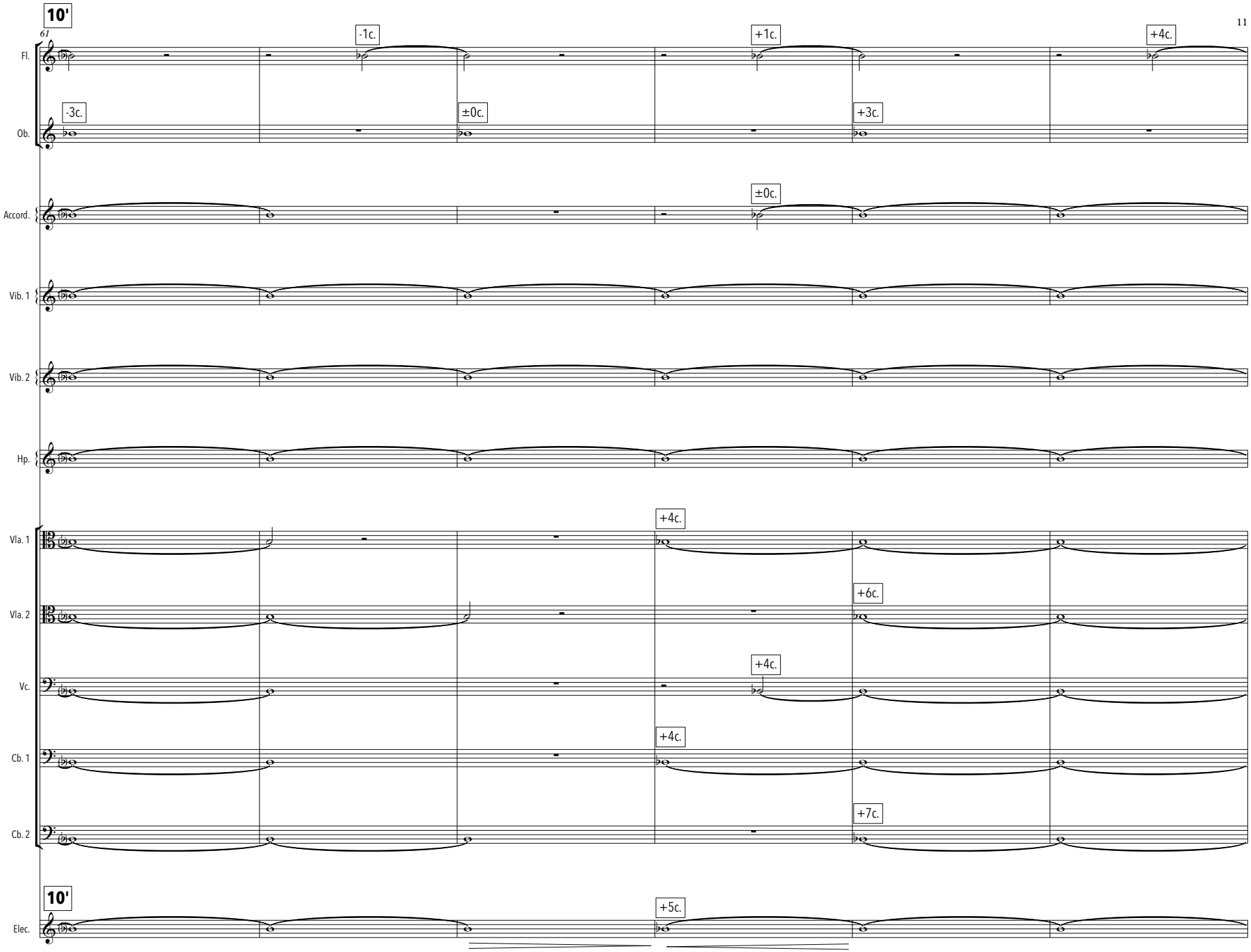

5'
31
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+46c.
+47c.
+50c.
-49c.
-46c.
-45c.
-55c.
±0c.
-44c.
-45c.
-36c.
-44c.
-40c.
5'
-45c.

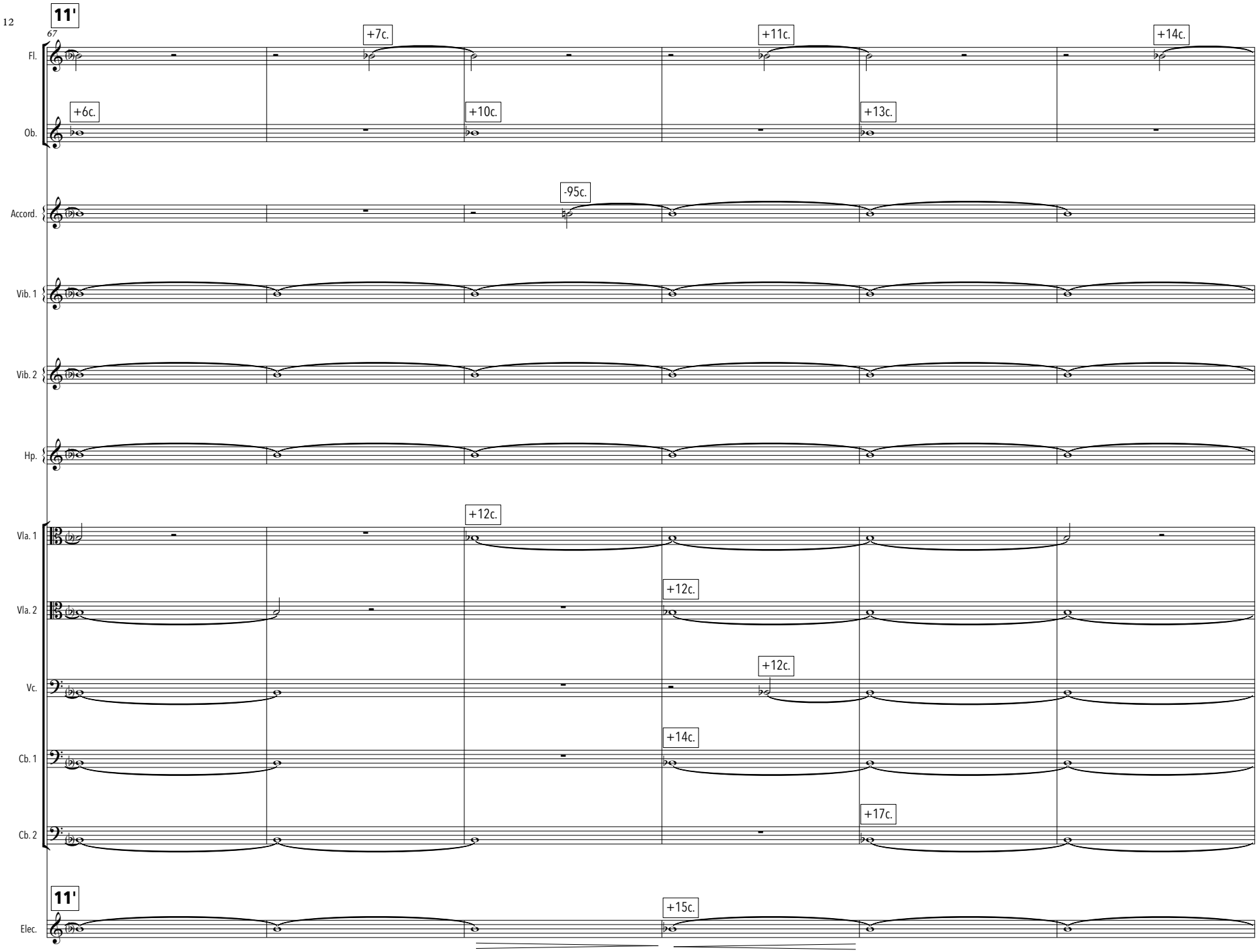

6'
37
Fl.
-41c.
-39c.
-35c.
Ob.
-43c.
-40c.
-36c.
Accord.
-40c.
Vib. 1
Vib. 2
Hp.
±0c.
Vla. 1
-36c.
Vla. 2
-37c.
Vc.
-28c.
Cb. 1
-34c.
Cb. 2
-31c.
6'
Elec.
-35c.

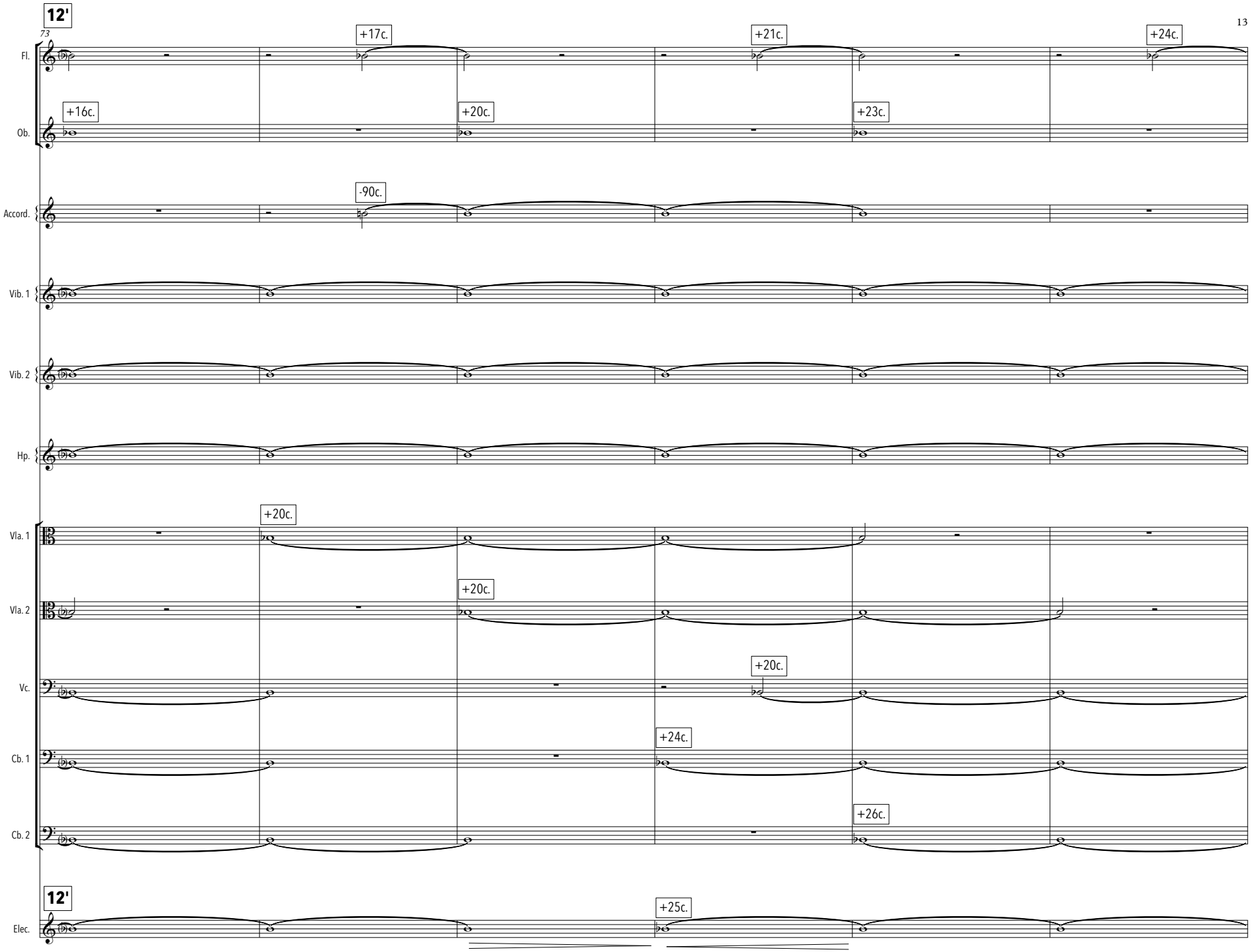

7'
43
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
-31c.
-29c.
-25c.
-33c.
-30c.
-26c.
-30c.
-28c.
-29c.
-20c.
-24c.
-23c.
7'
-25c.

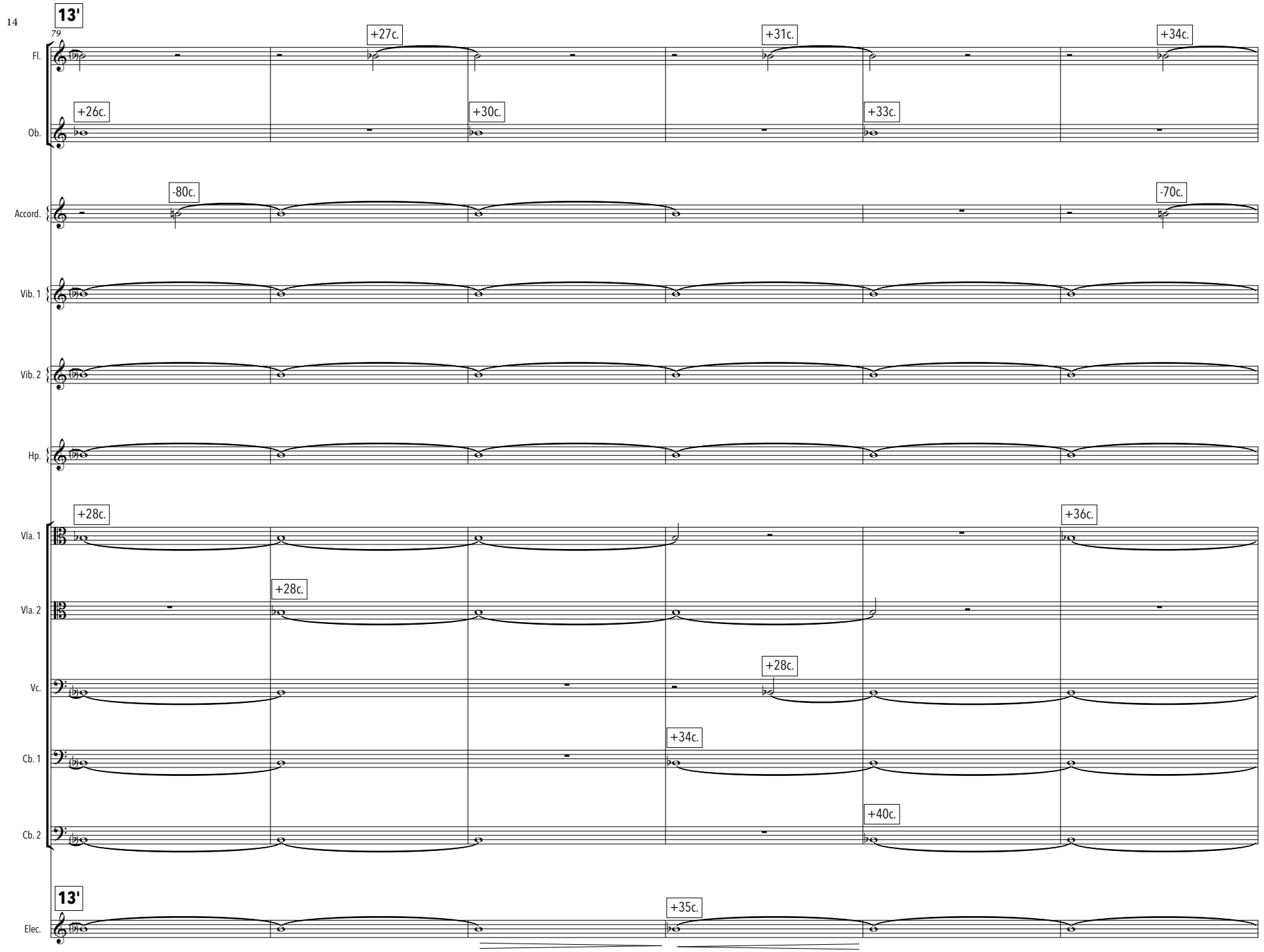

8'
49
Fl.
-21c.
-19c.
-15c.
Ob.
-23c.
-20c.
-16c.
Accord.
-20c.
-10c.
Vib. 1
Vib. 2
Hp.
Vla. 1
-20c.
-12c.
Vla. 2
-21c.
Vc.
-12c.
Cb. 1
-14c.
Cb. 2
-11c.
8'
Elec.
-15c.

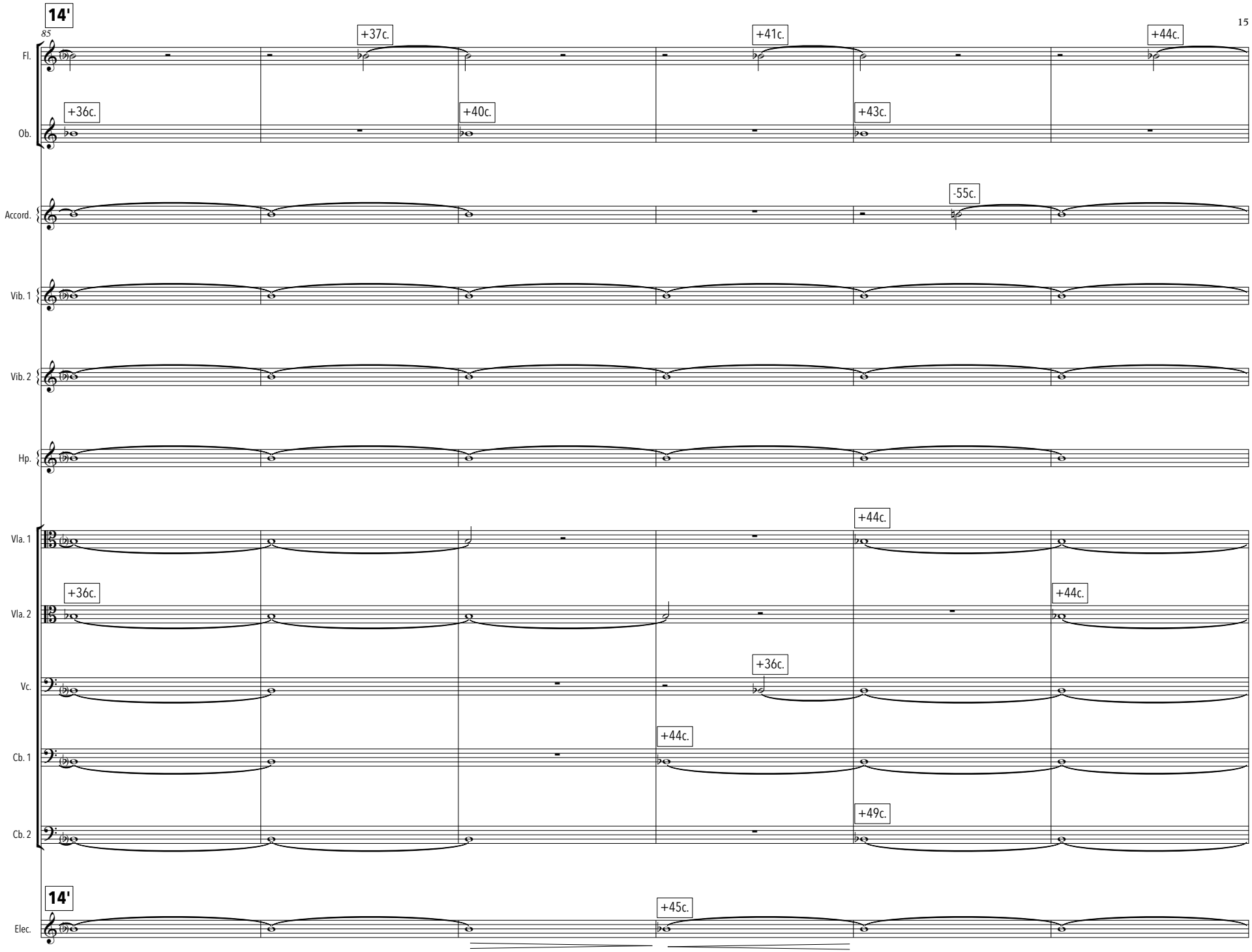

9'
55
-11c.
-9c.
-5c.
Fl.
-13c.
-10c.
-6c.
Ob.
-5c.
Accord.
Vib. 1
Vib. 2
Hp.
-4c.
Vla. 1
-13c.
-5c.
Vla. 2
-4c.
Vc.
-4c.
Cb. 1
-2c.
Cb. 2
9'
-5c.
Elec.

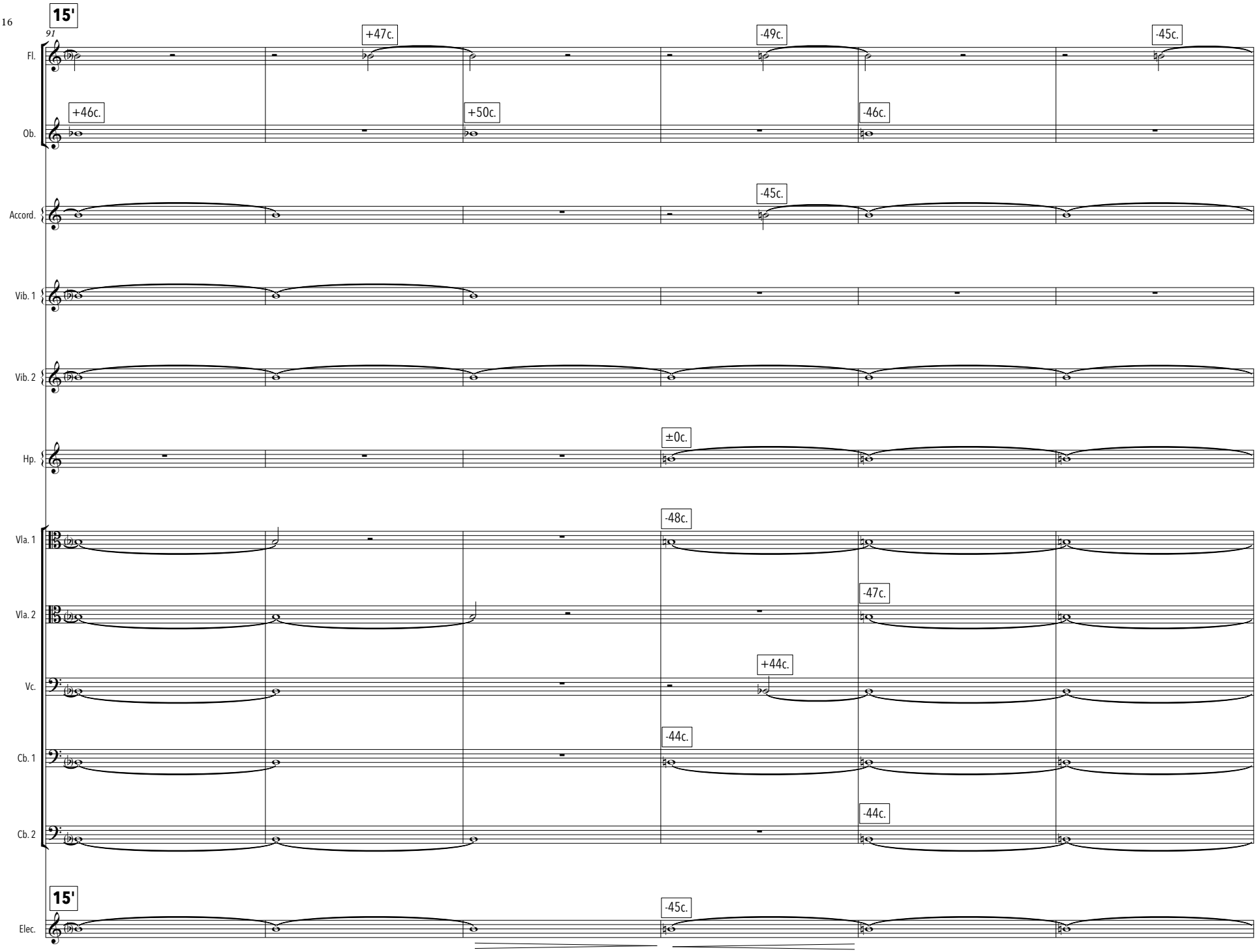

10'
61
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
-1c.
+1c.
+4c.
-3c.
±0c.
+3c.
±0c.
+4c.
+6c.
+4c.
+4c.
+7c.
10'
+5c.

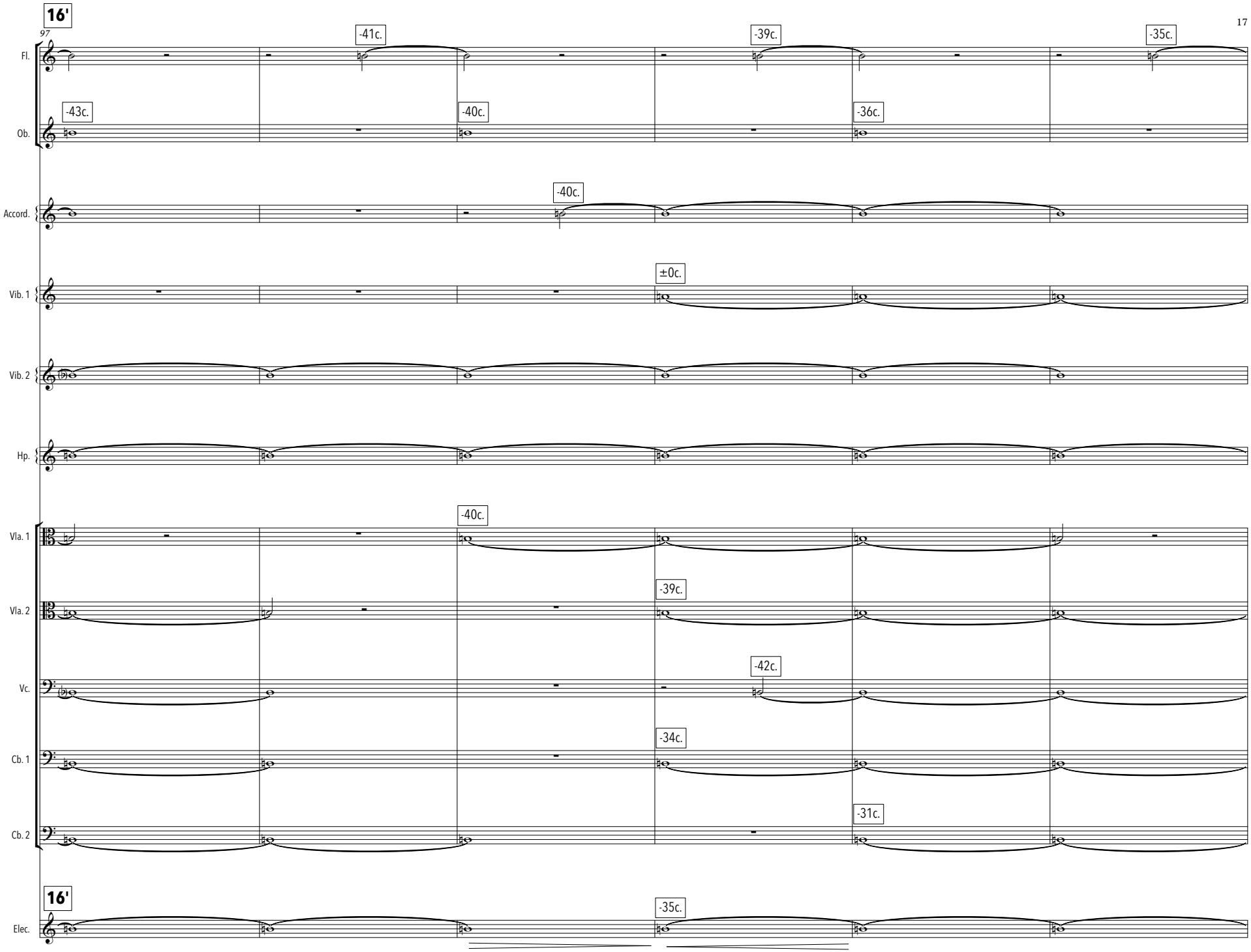

11'
67
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+6c.
+7c.
+10c.
+11c.
+13c.
+14c.
-95c.
+12c.
+12c.
+12c.
+14c.
+17c.
+15c.

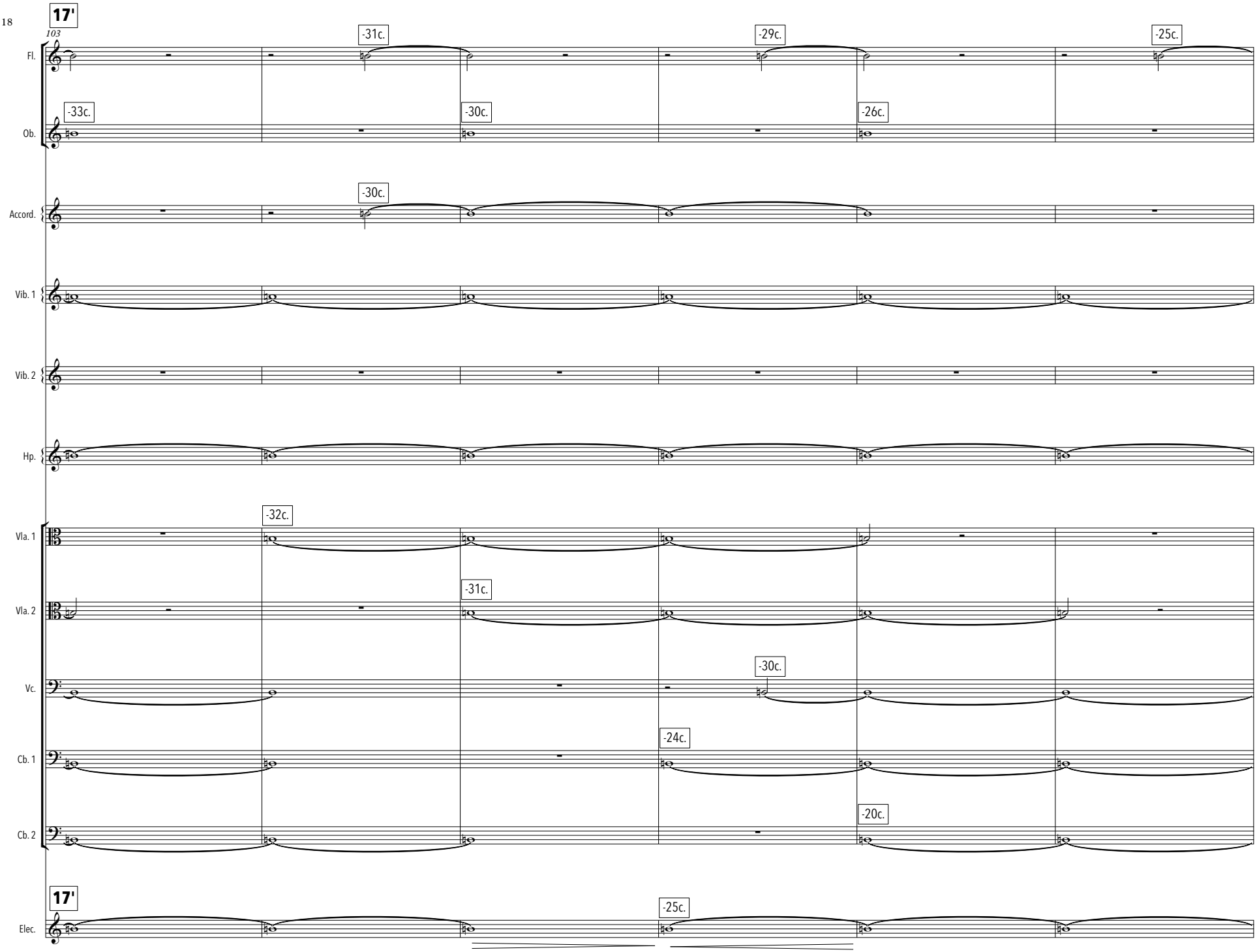

12'
73
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+16c.
+17c.
+20c.
+21c.
+23c.
+24c.
-90c.
+20c.
+20c.
+20c.
+24c.
+26c.
12'
+25c.

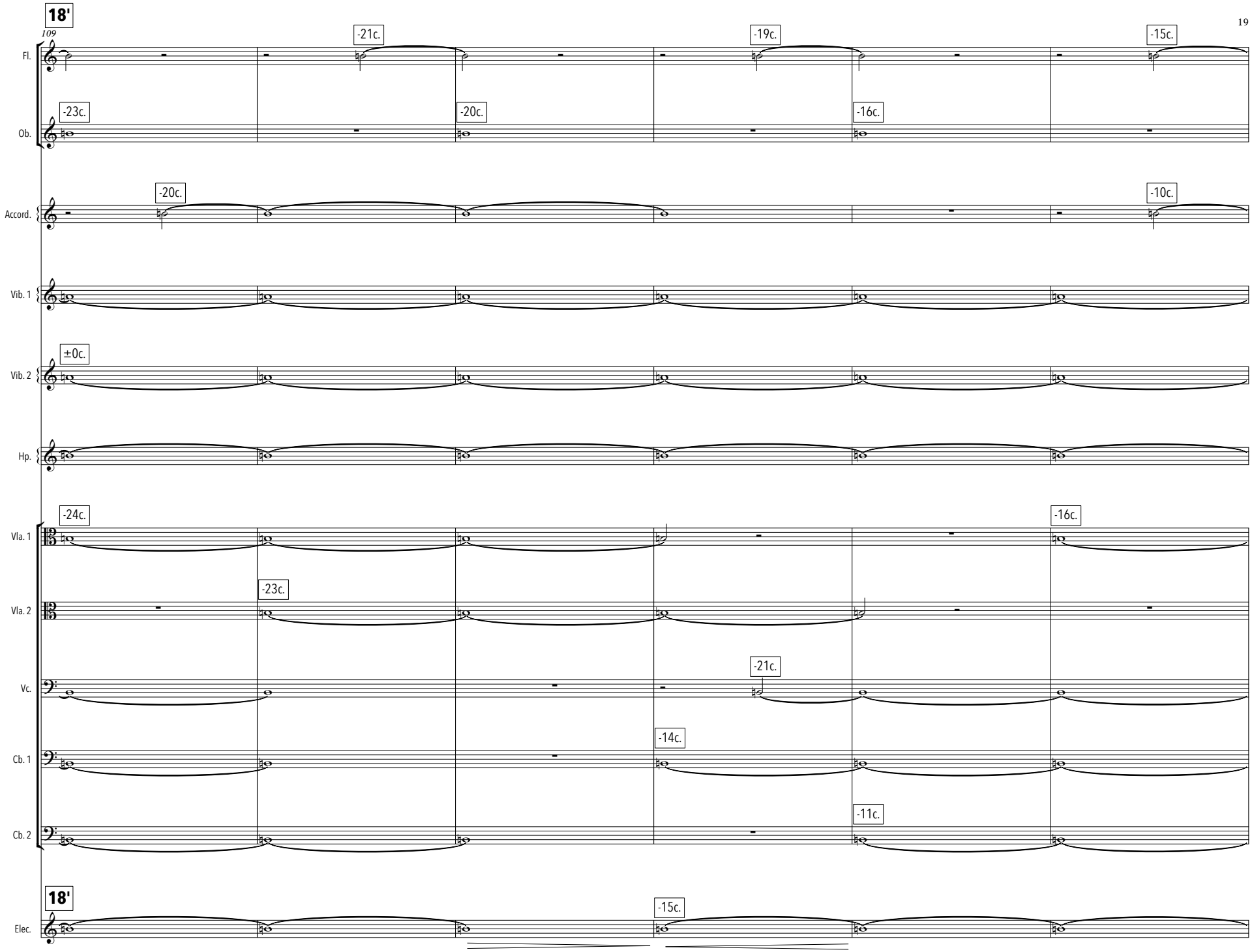

13'
79
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+26c.
+27c.
+30c.
+31c.
+33c.
+34c.
-80c.
-70c.
+28c.
+36c.
+40c.
+35c.

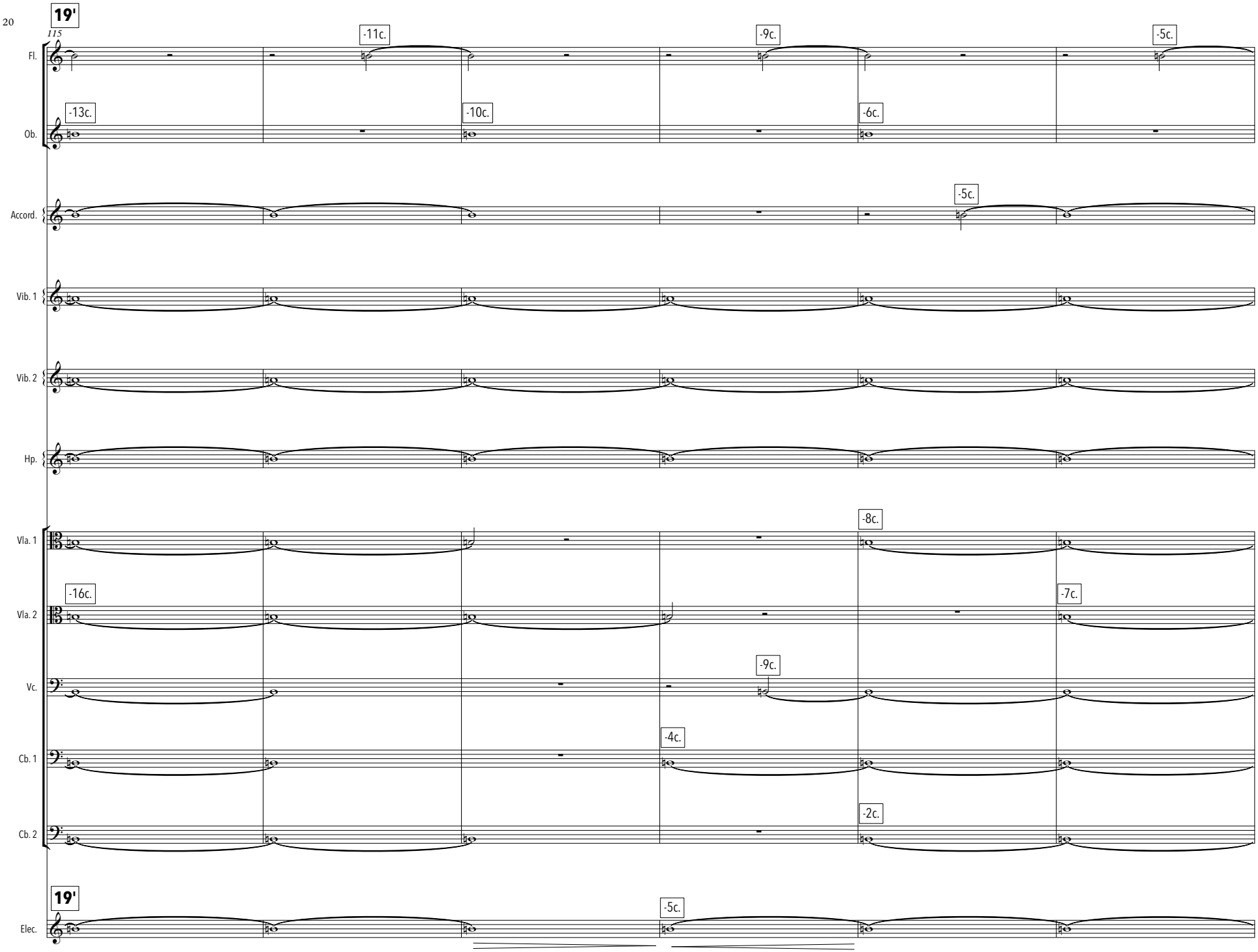

14'
85
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+37c.
+41c.
+44c.
+36c.
+40c.
+43c.
-55c.
+44c.
+36c.
+44c.
+36c.
+44c.
+49c.
14'
+45c.

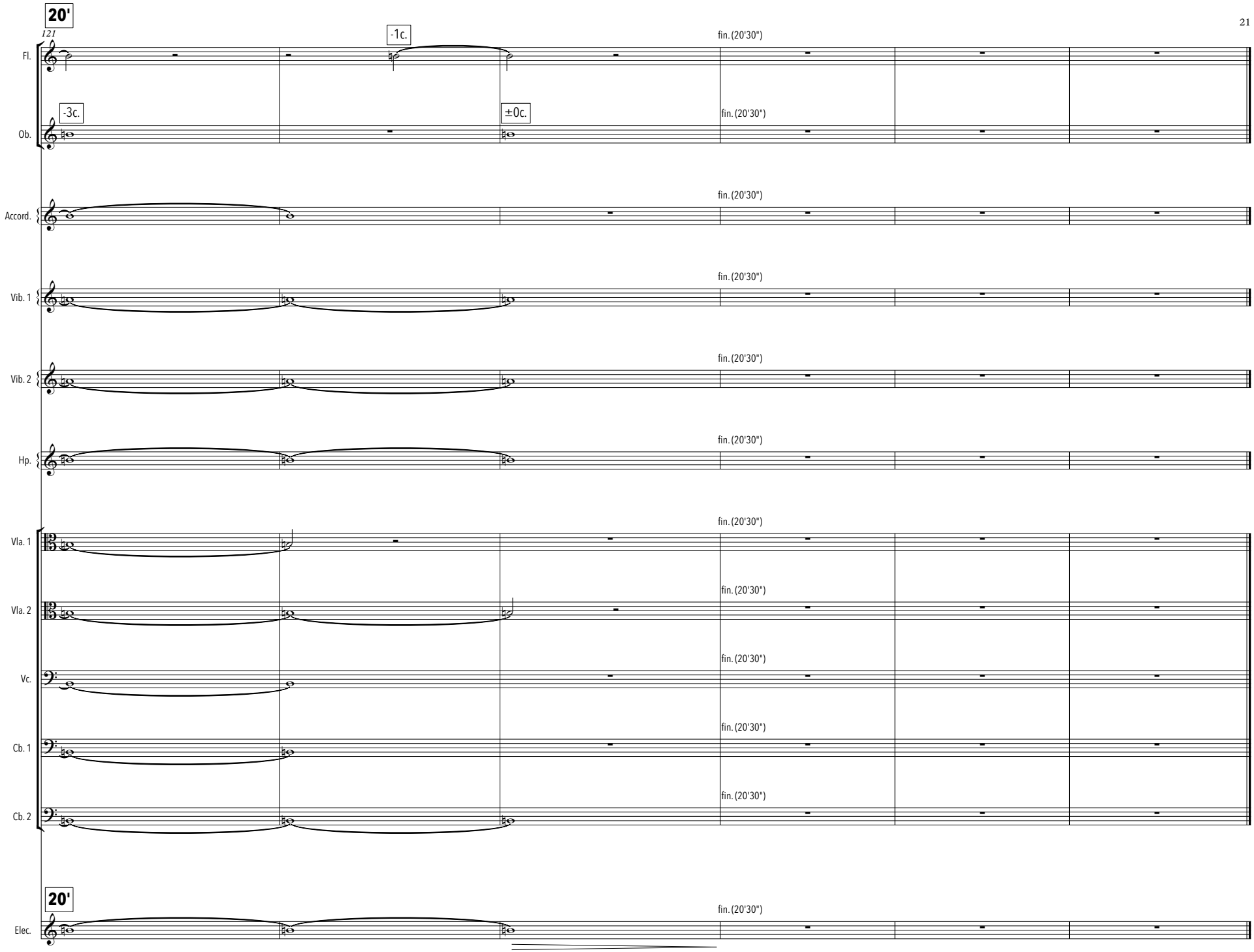

15'
91
Fl.
Ob.
Accord.
Vib. 1
Vib. 2
Hp.
Vla. 1
Vla. 2
Vc.
Cb. 1
Cb. 2
Elec.
+47c.
-49c.
-45c.
+46c.
+50c.
-46c.
-45c.
±0c.
-48c.
-47c.
+44c.
-44c.
-44c.
15'
-45c.


16'
97
-41c.
-39c.
-35c.
Fl.
-43c.
-40c.
-36c.
Ob.
-40c.
Accord.
±0c.
Vib. 1
Vib. 2
Hp.
-40c.
Vla. 1
-39c.
Vla. 2
-42c.
Vc.
-34c.
Cb. 1
-31c.
Cb. 2
16'
-35c.
Elec.


17'
103
-31c.
-29c.
-25c.
Fl.
-33c.
-30c.
-26c.
Ob.
-30c.
Accord.
Vib. 1
Vib. 2
Hp.
-32c.
Vla. 1
-31c.
Vla. 2
-30c.
Vc.
-24c.
Cb. 1
-20c.
Cb. 2
17'
-25c.
Elec.


18'
109
-21c.
-19c.
-15c.
Fl.
-23c.
-20c.
-16c.
Ob.
-20c.
-10c.
Accord.
Vib. 1
±0c.
Vib. 2
Hp.
-24c.
-16c.
Vla. 1
-23c.
Vla. 2
-21c.
Vc.
-14c.
Cb. 1
-11c.
Cb. 2
18'
-15c.
Elec.


19'
115
Fl.
-11c.
-9c.
-5c.
Ob.
-13c.
-10c.
-6c.
Accord.
-5c.
Vib. 1
Vib. 2
Hp.
Vla. 1
-8c.
Vla. 2
-16c.
-7c.
Vc.
-9c.
Cb. 1
-4c.
Cb. 2
-2c.
19'
Elec.
-5c.


20'
121
-1c.
fin. (20'30")
Fl.
-3c.
±0c.
fin. (20'30")
Ob.
fin. (20'30")
Accord.
fin. (20'30")
Vib. 1
fin. (20'30")
Vib. 2
fin. (20'30")
Hp.
fin. (20'30")
Vla. 1
fin. (20'30")
Vla. 2
fin. (20'30")
Vc.
fin. (20'30")
Cb. 1
fin. (20'30")
Cb. 2
20'
fin. (20'30")
Elec.

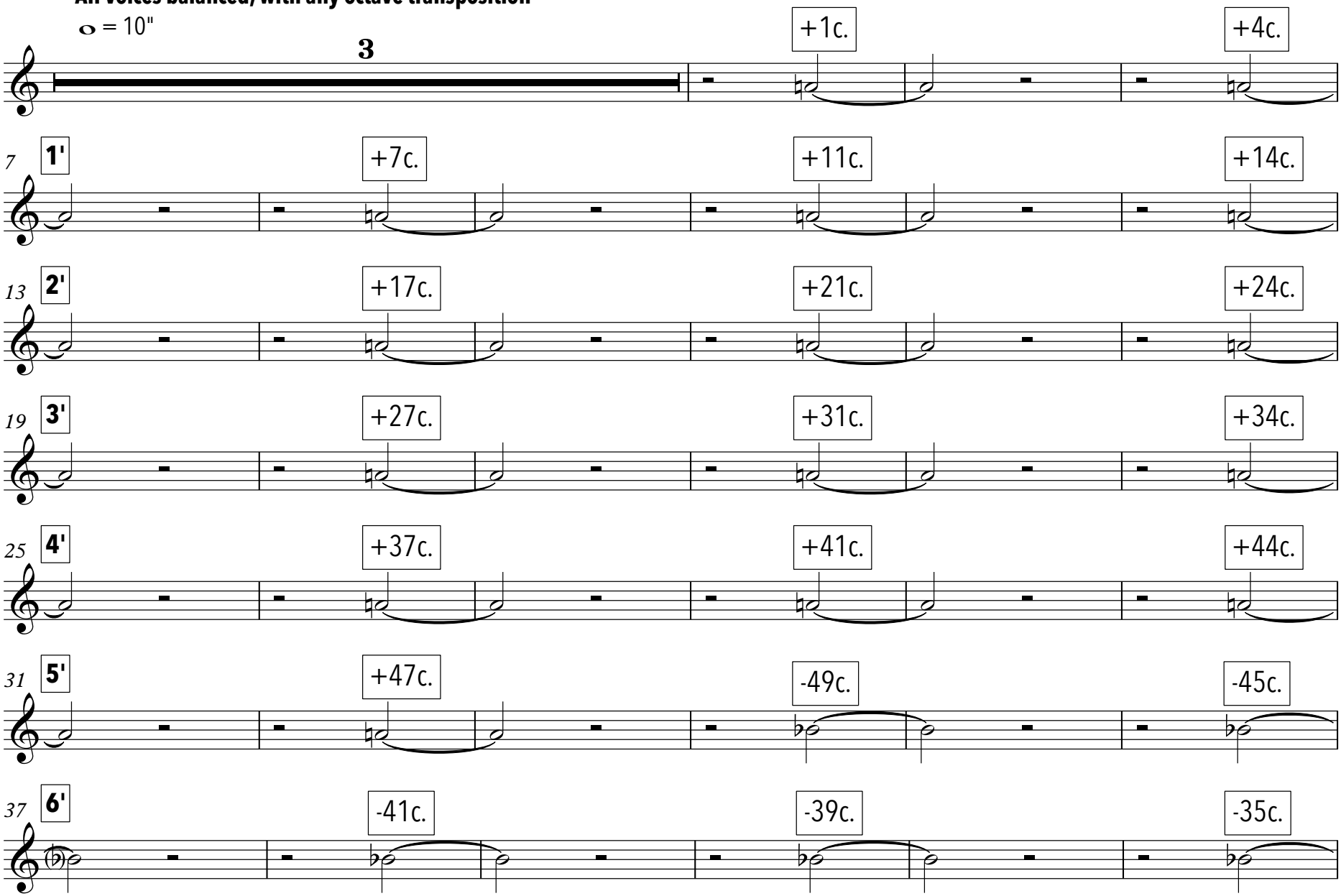
Pitch Gradient with Noise #6 (in Bb)

Flute

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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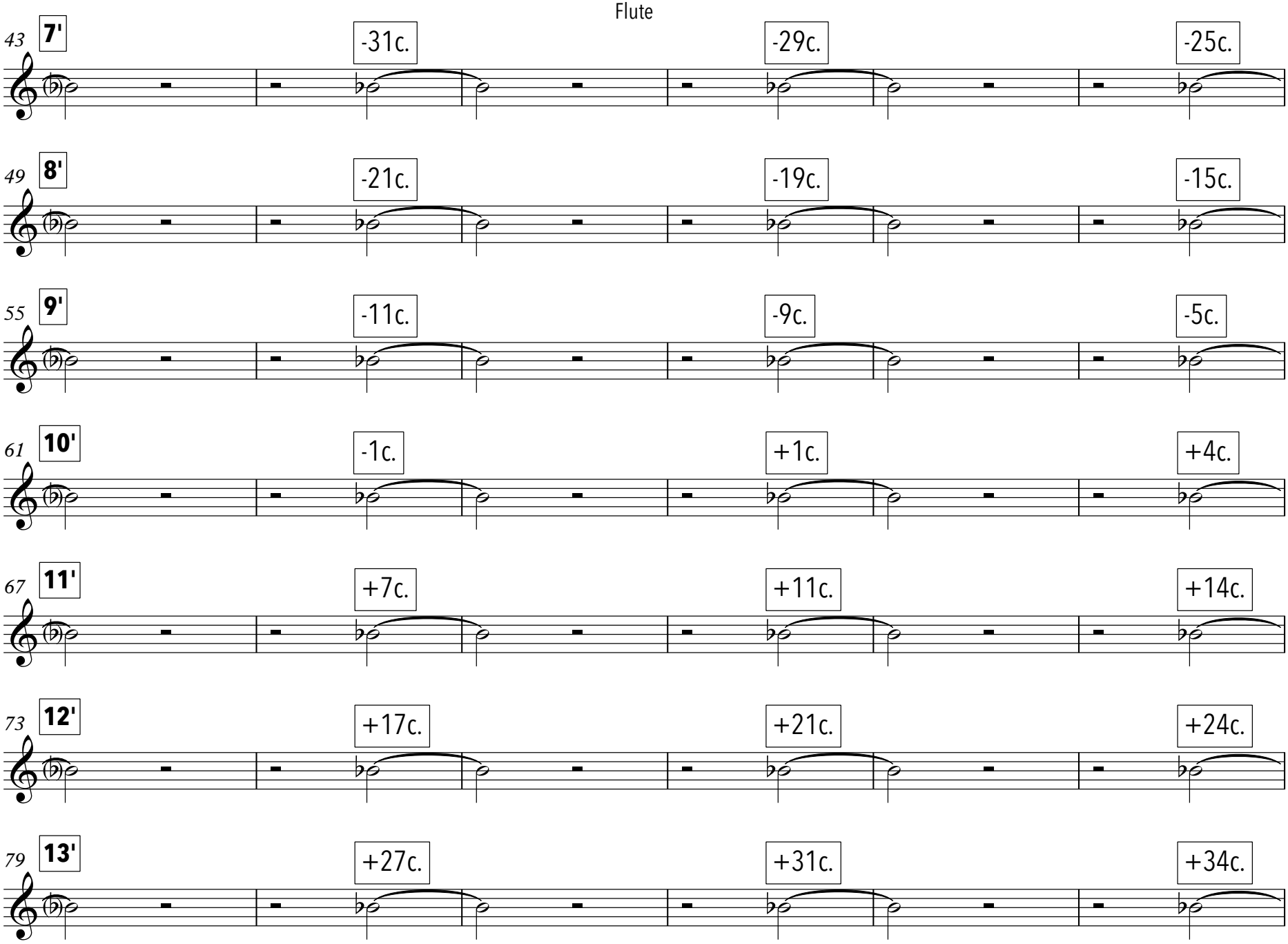
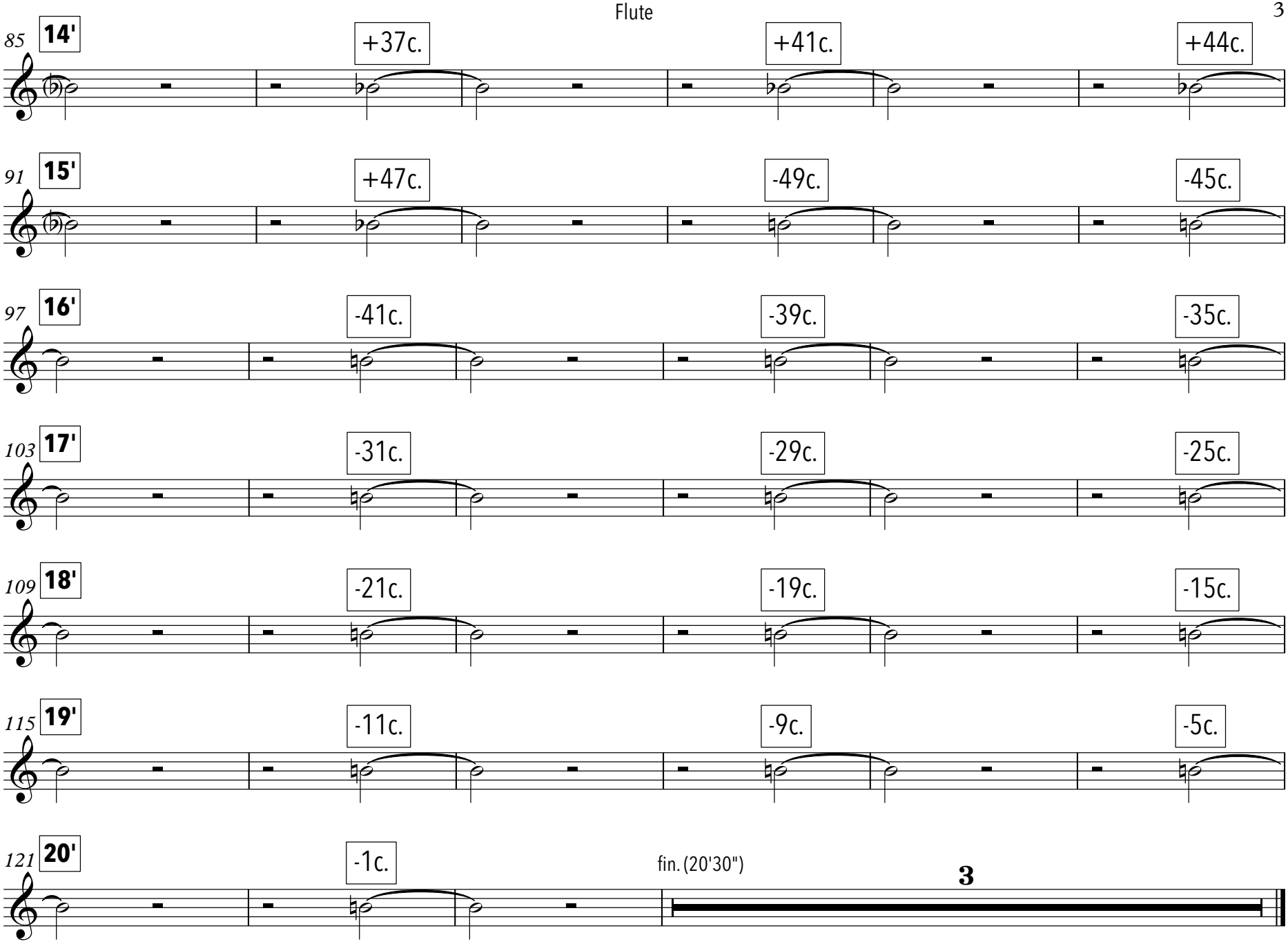
Flute


43
7'
-31c.
-29c.
-25c.
49
8'
-21c.
-19c.
-15c.
55
9'
-11c.
-9c.
-5c.
61
10'
-1c.
+1c.
+4c.
67
11'
+7c.
+11c.
+14c.
73
12'
+17c.
+21c.
+24c.
79
13'
+27c.
+31c.
+34c.


85
14'
+37c.
+41c.
+44c.
91
15'
+47c.
-49c.
-45c.
97
16'
-41c.
-39c.
-35c.
103
17'
-31c.
-29c.
-25c.
109
18'
-21c.
-19c.
-15c.
115
19'
-11c.
-9c.
-5c.
121
20'
-1c.
fin. (20'30")
3

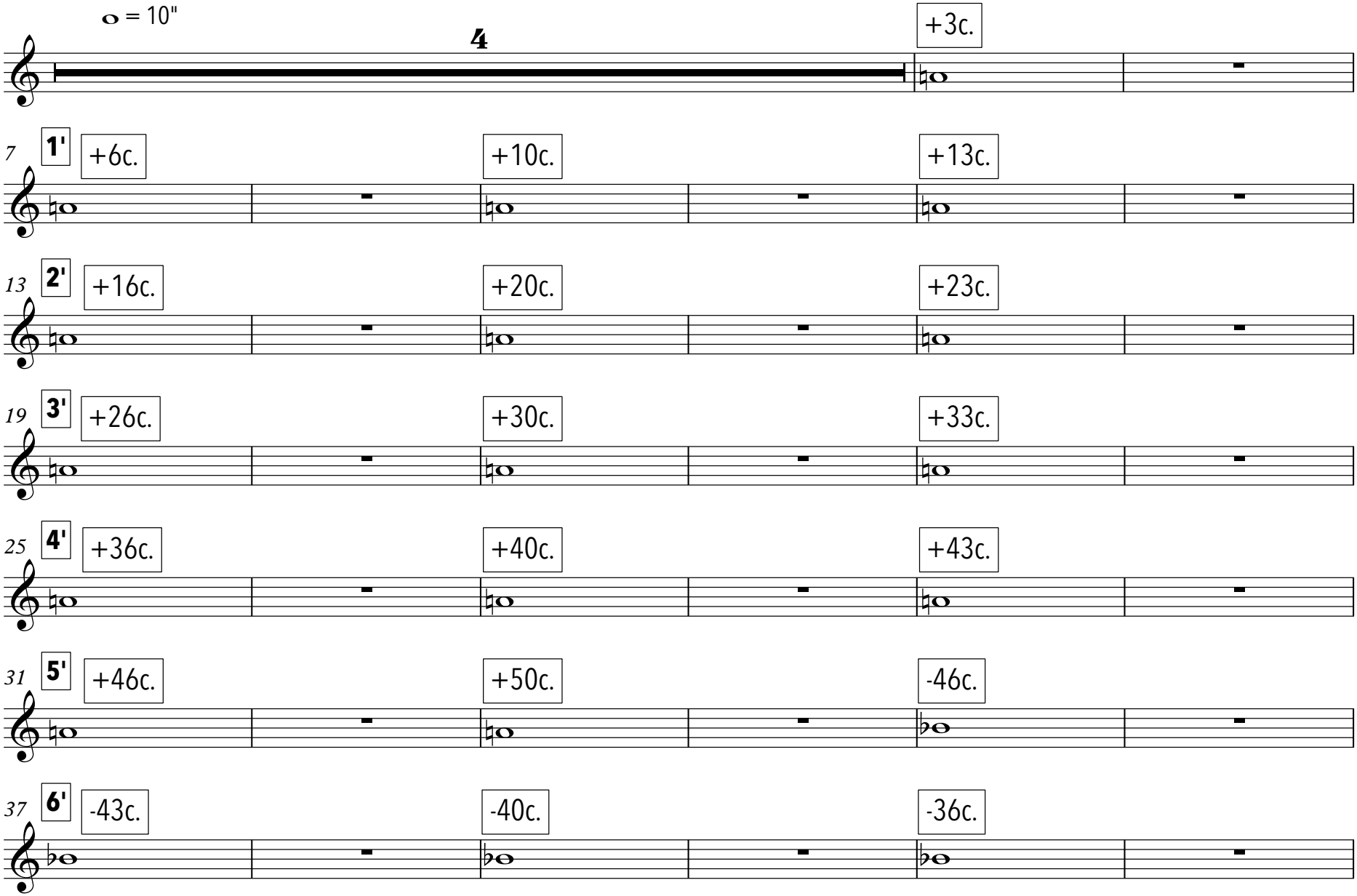
Pitch Gradient with Noise #6 (in Bb)

Oboe

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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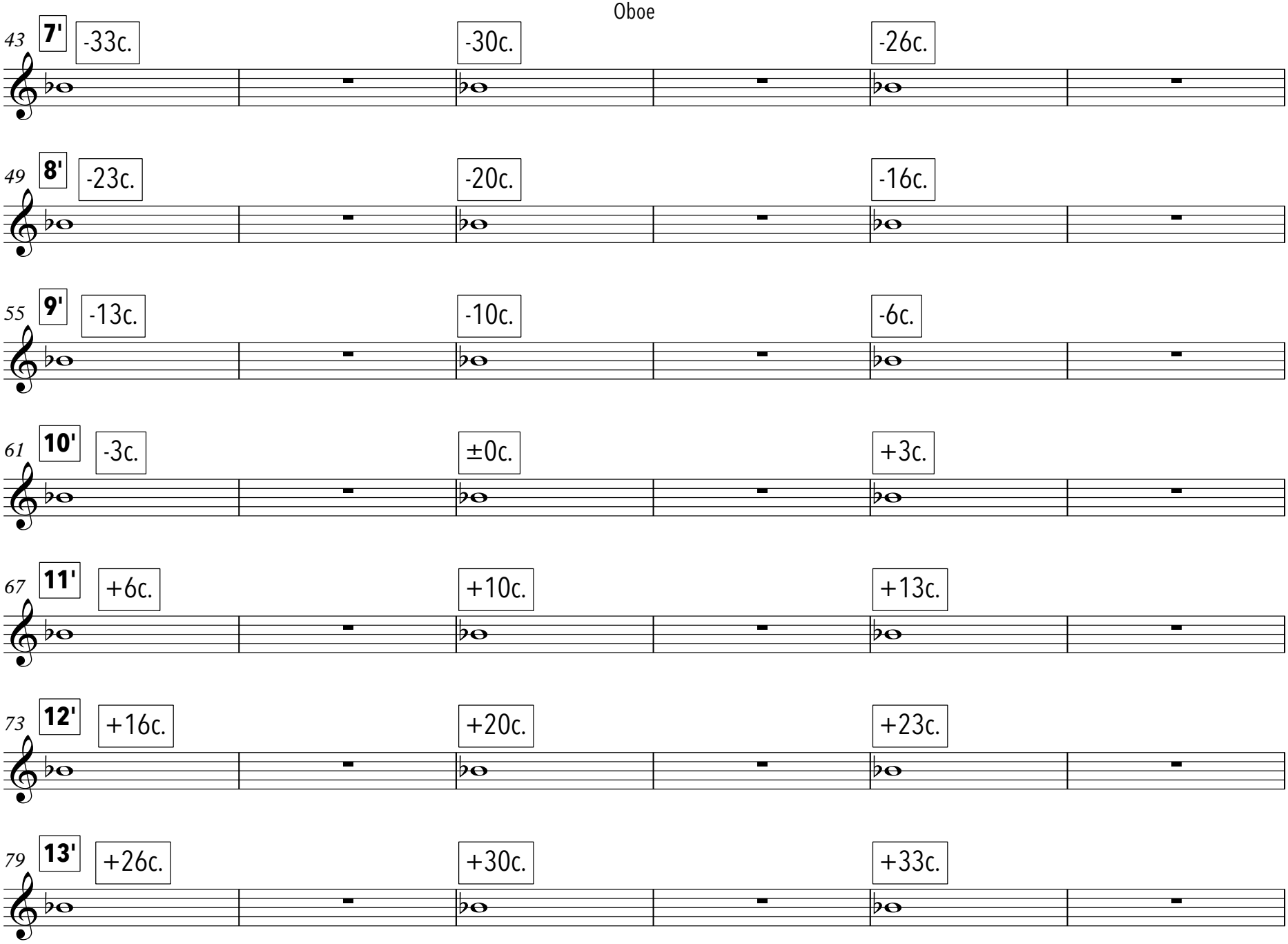
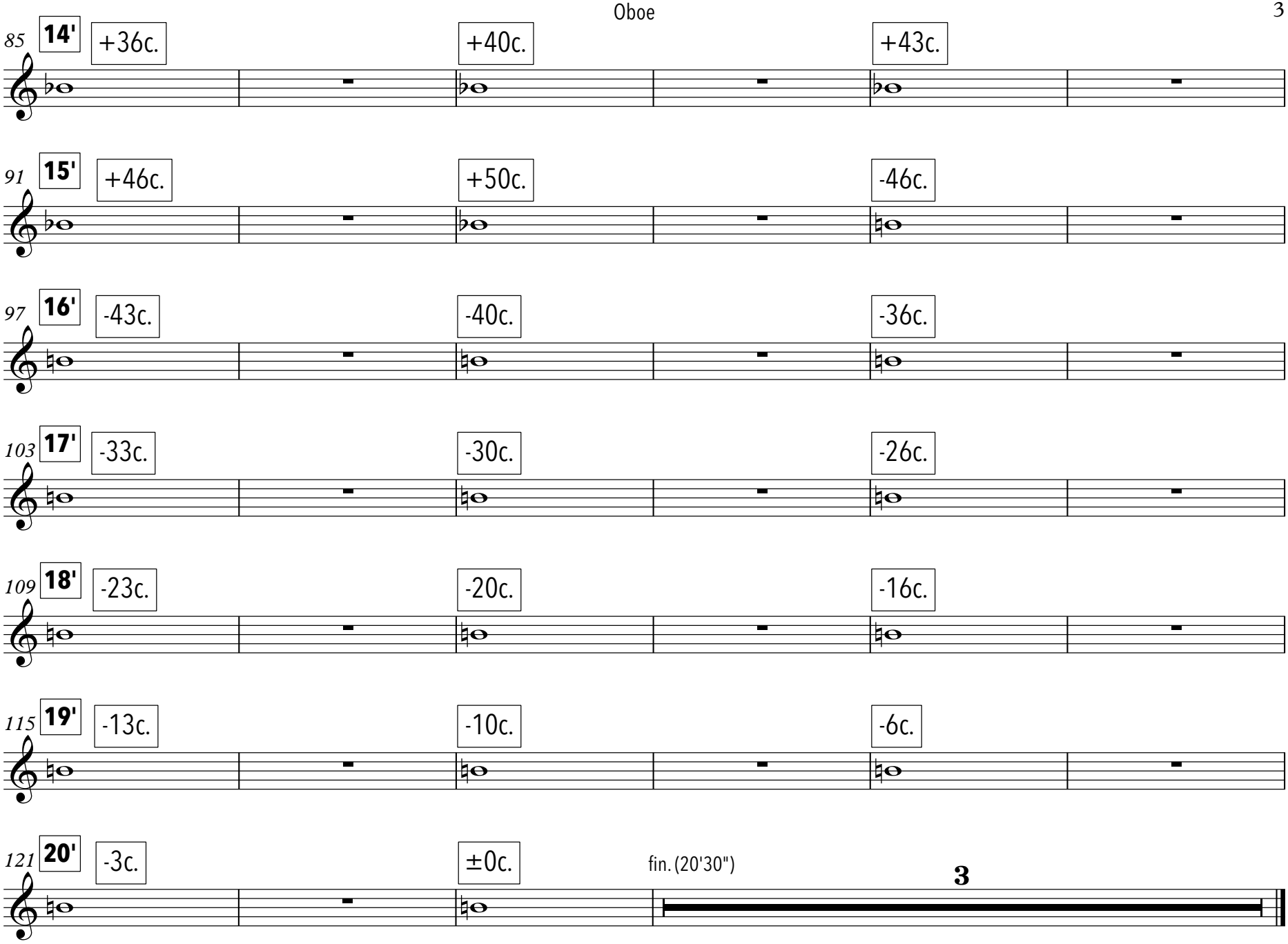

43
7'
-33c.
-30c.
-26c.
49
8'
-23c.
-20c.
-16c.
55
9'
-13c.
-10c.
-6c.
61
10'
-3c.
±0c.
+3c.
67
11'
+6c.
+10c.
+13c.
73
12'
+16c.
+20c.
+23c.
79
13'
+26c.
+30c.
+33c.


85
14'
+36c.
+40c.
+43c.
91
15'
+46c.
+50c.
-46c.
97
16'
-43c.
-40c.
-36c.
103
17'
-33c.
-30c.
-26c.
109
18'
-23c.
-20c.
-16c.
115
19'
-13c.
-10c.
-6c.
121
20'
-3c.
±0c.
fin. (20'30")
3

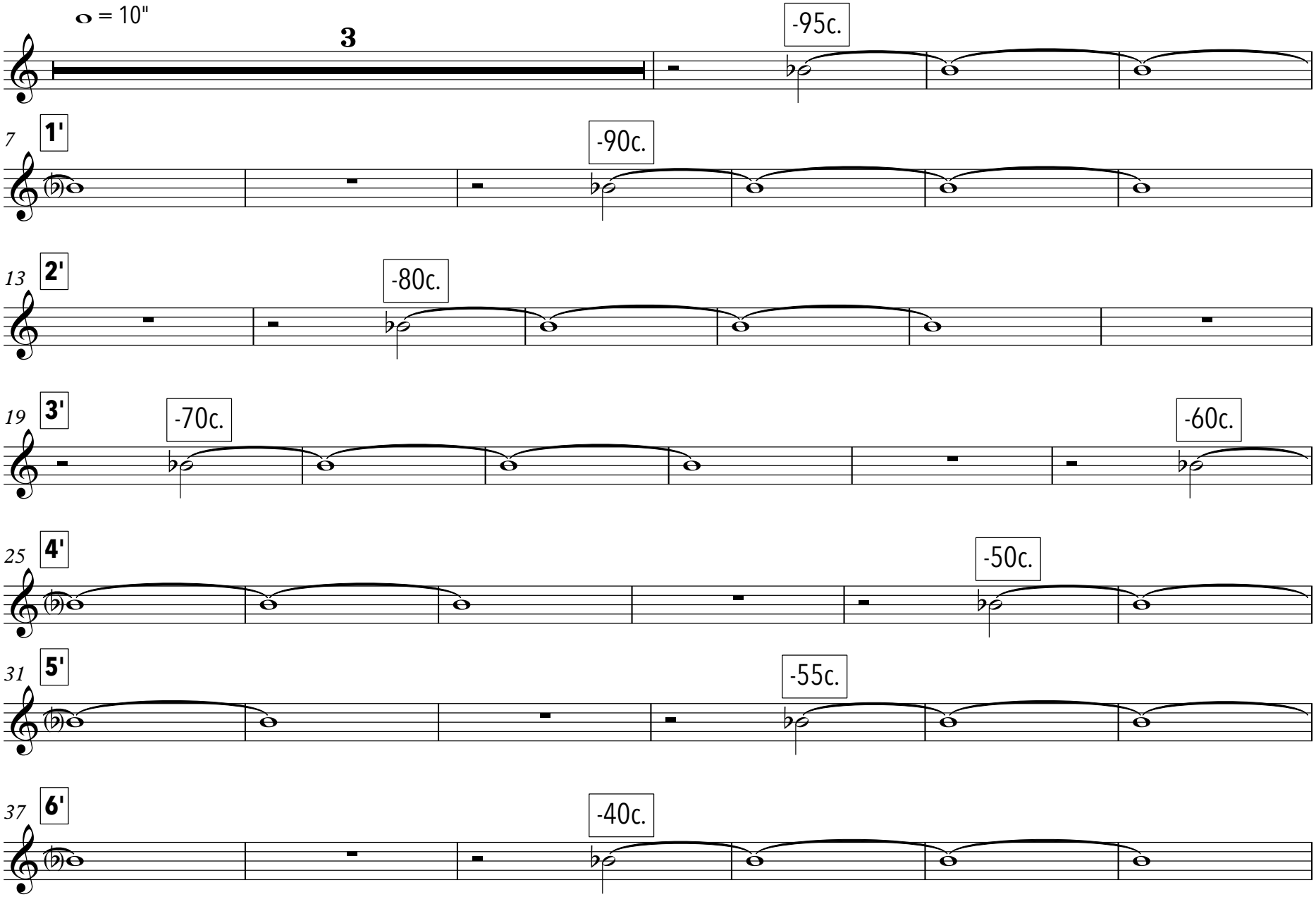
Pitch Gradient with Noise #6 (in Bb)

Accordion

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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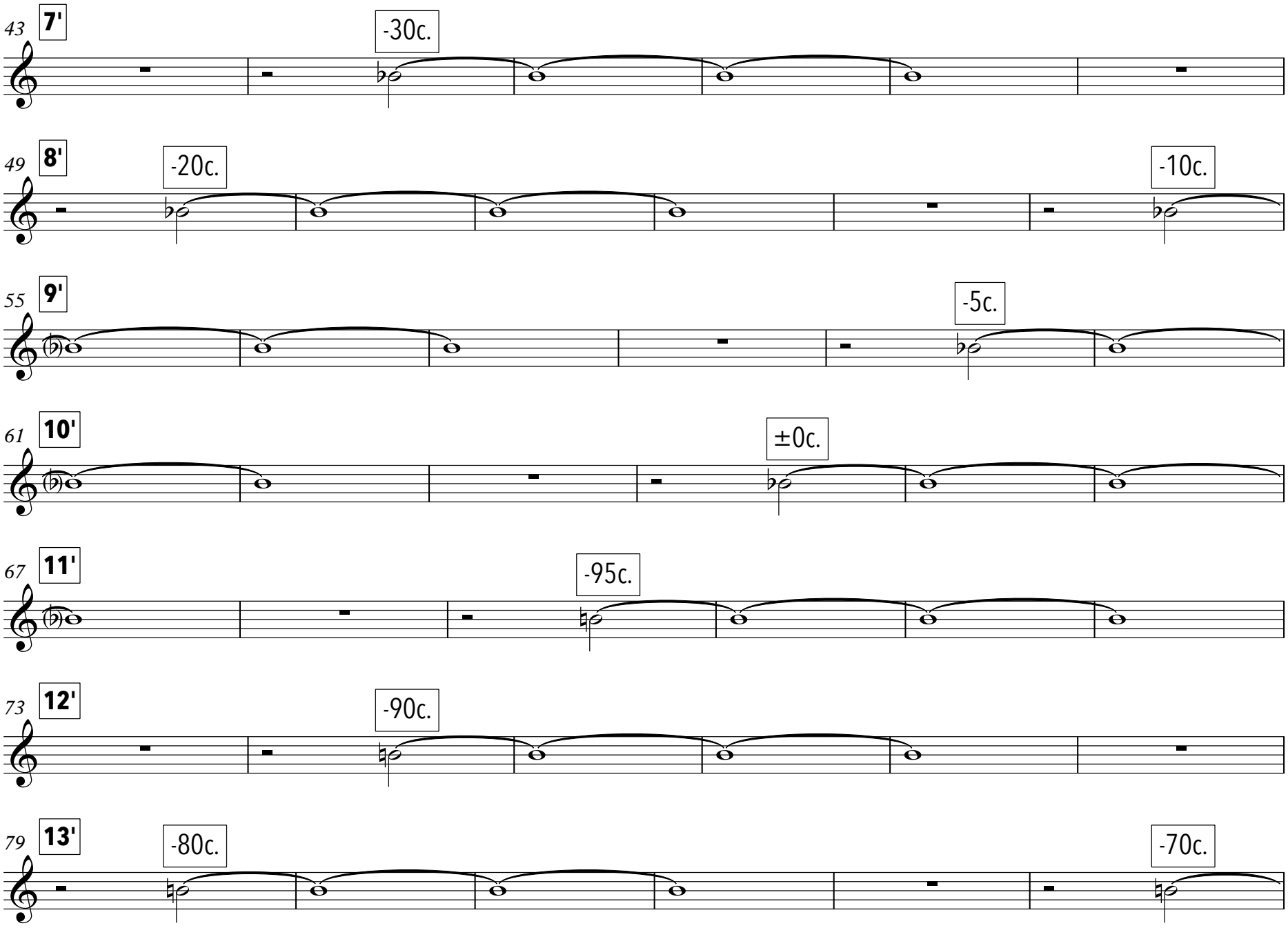
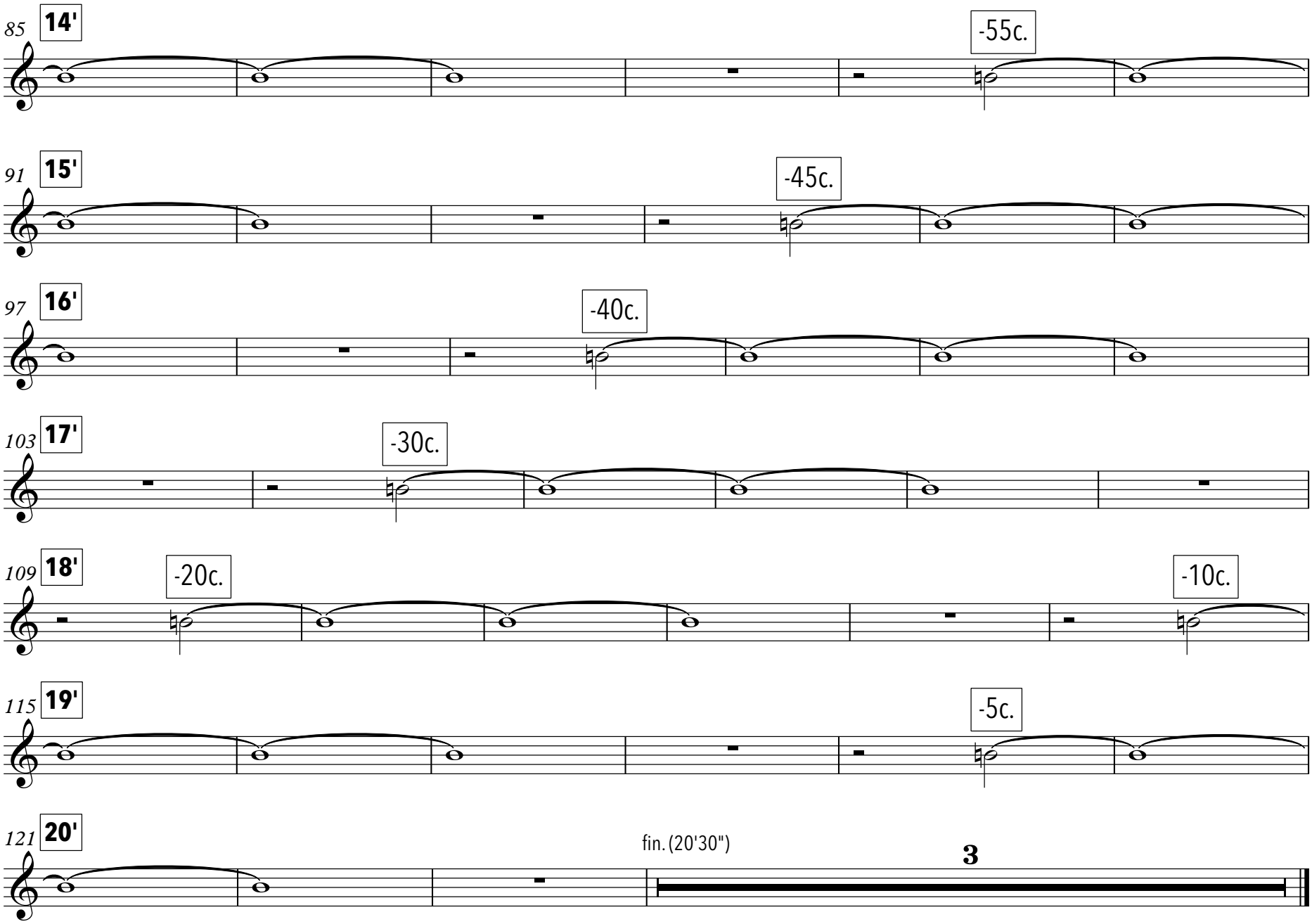
Basilita Bonita Publishing (BMI)


43
7'
-30c.
49
8'
-20c.
-10c.
55
9'
-5c.
61
10'
±0c.
67
11'
-95c.
73
12'
-90c.
79
13'
-80c.
-70c.


85
14'
-55c.
91
15'
-45c.
97
16'
-40c.
103
17'
-30c.
109
18'
-20c.
-10c.
115
19'
-5c.
121
20'
fin. (20'30")
3

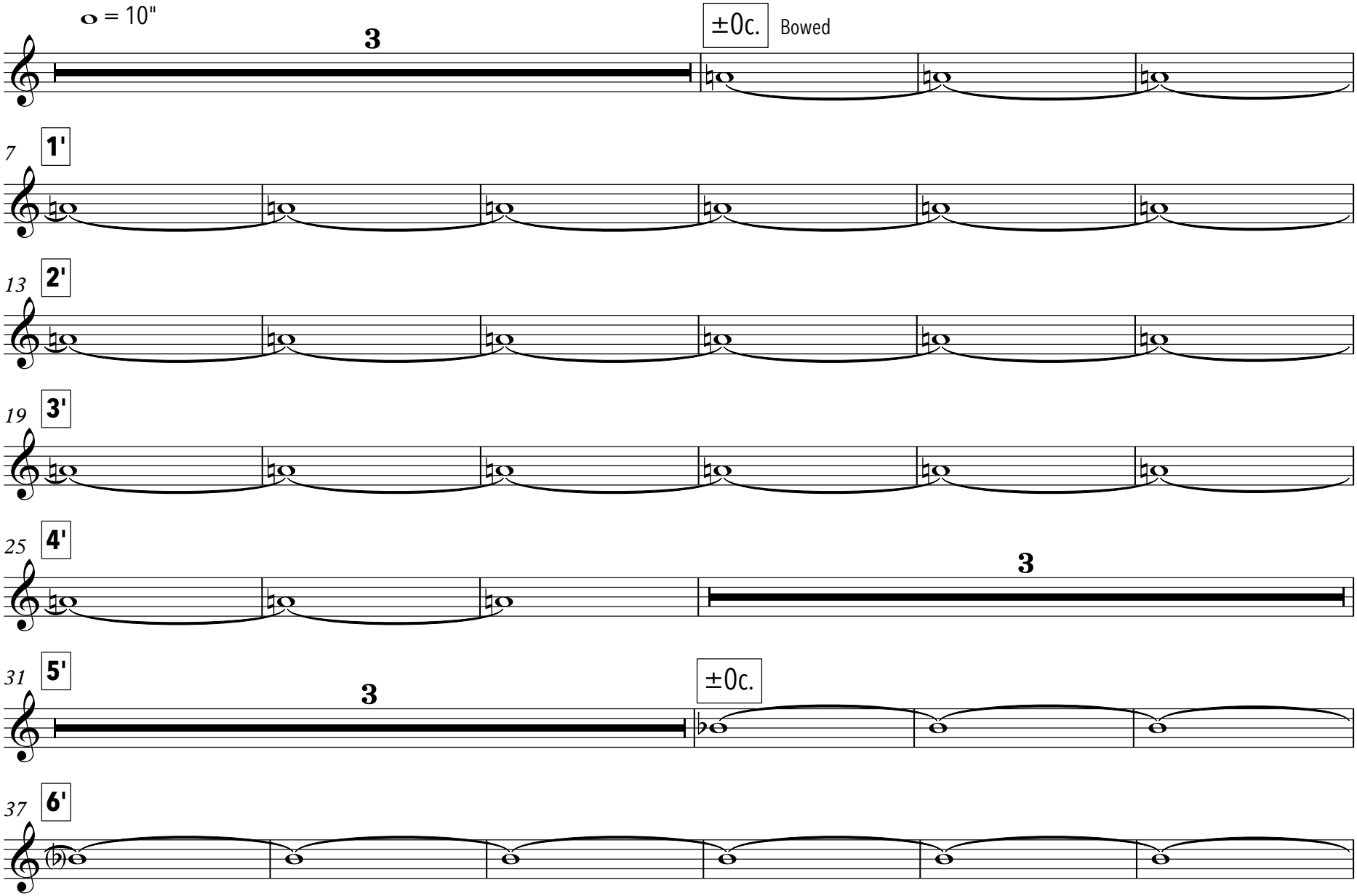
Pitch Gradient with Noise #6 (in Bb)

Vibraphone 1

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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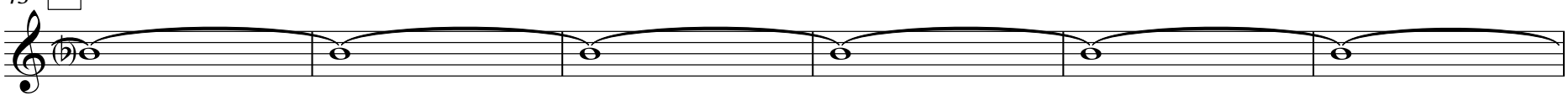
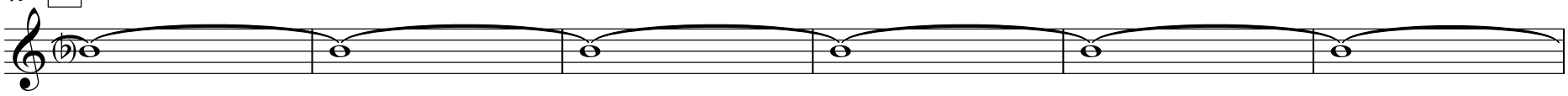
Basilita Bonita Publishing (BMI)

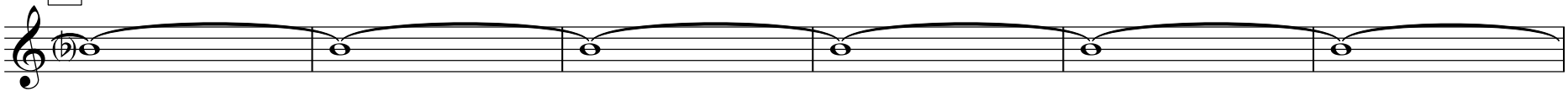
43 **7'**



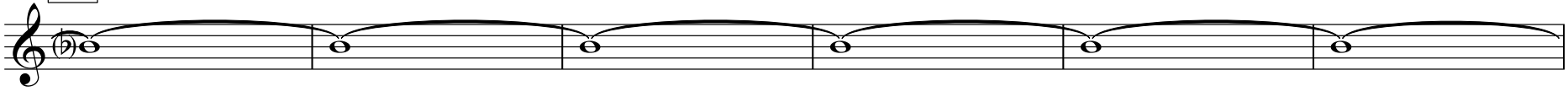
49 **8'**



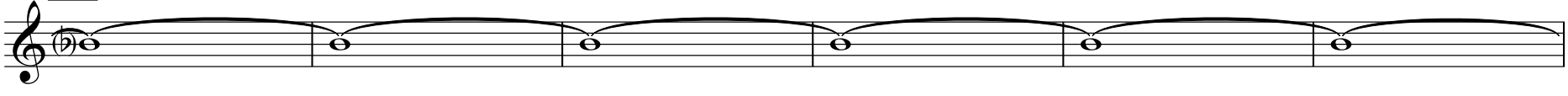
55 **9'**



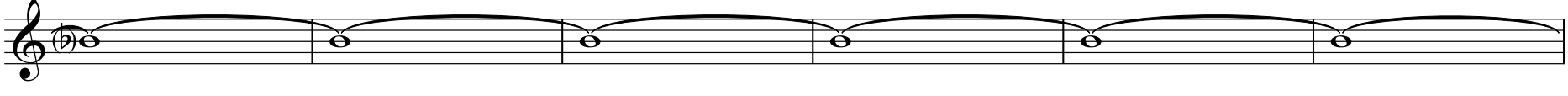
61 **10'**



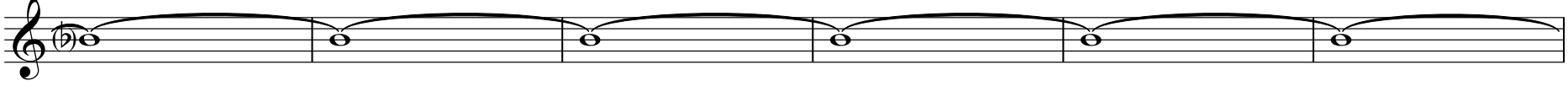
67 **11'**

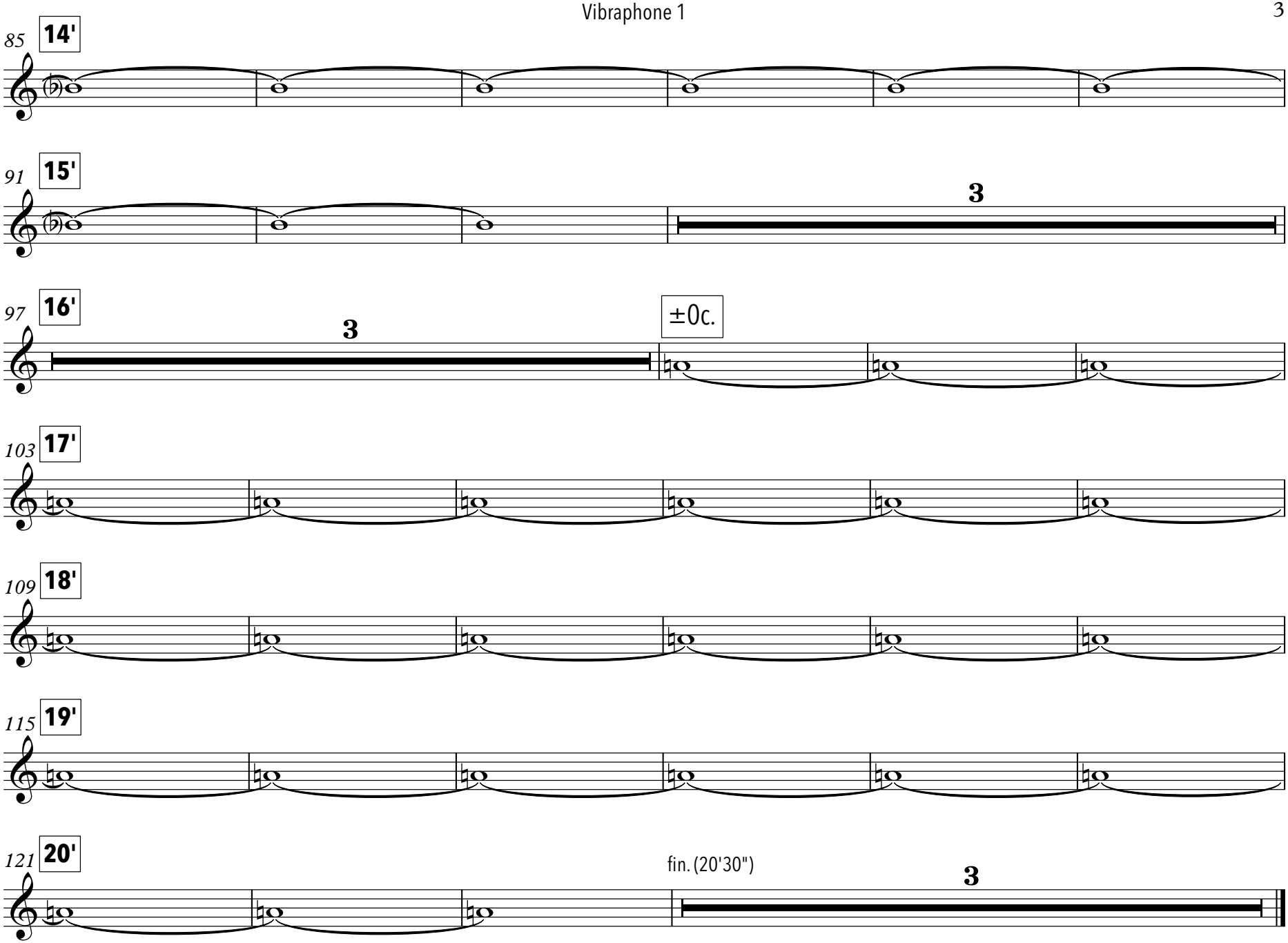


73 **12'**



79 **13'**




85
14'
91
15'
3
97
16'
3
±0c.
103
17'
109
18'
115
19'
121
20'
fin. (20'30")
3

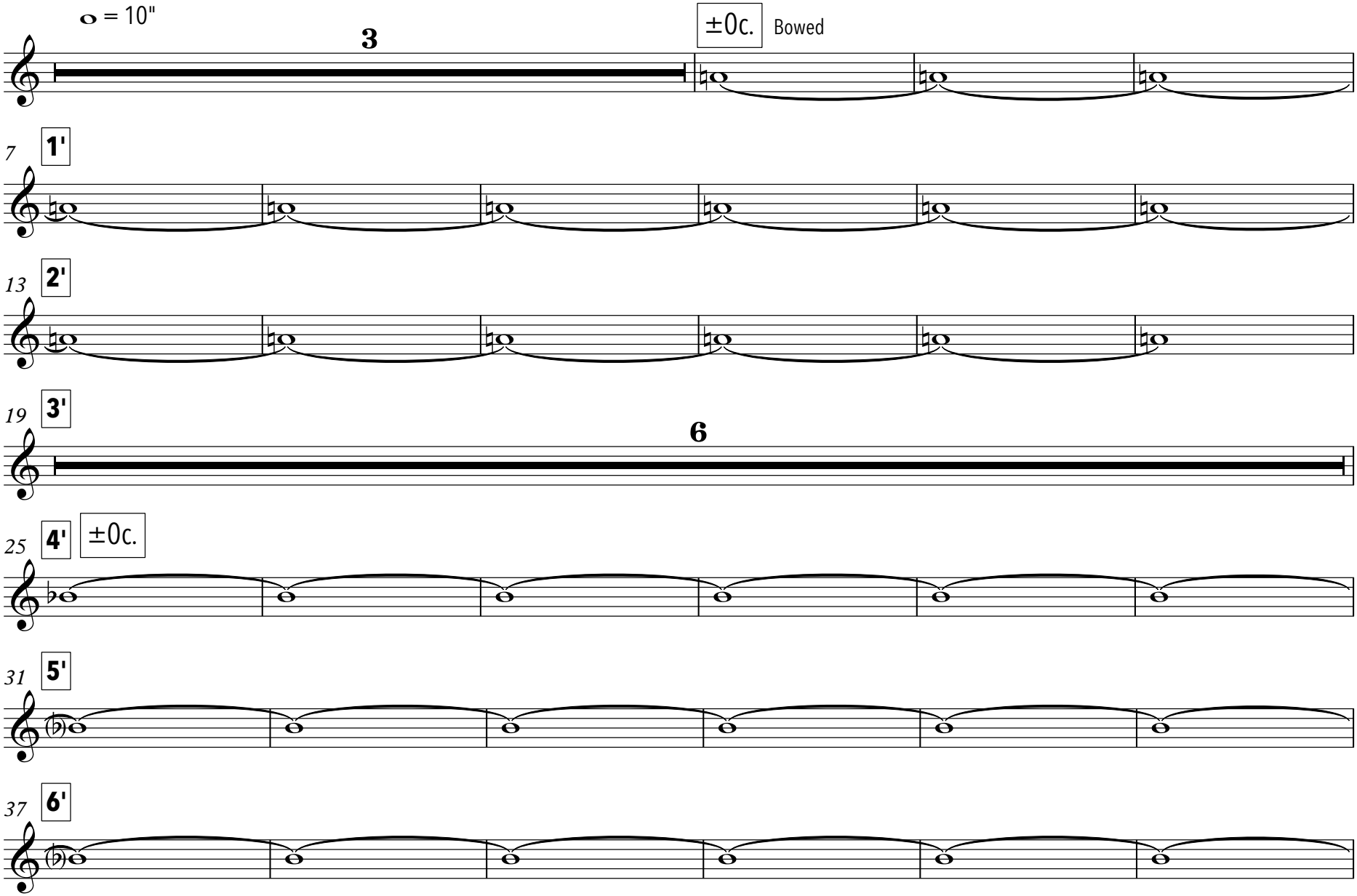
Pitch Gradient with Noise #6 (in Bb)

Vibraphone 2

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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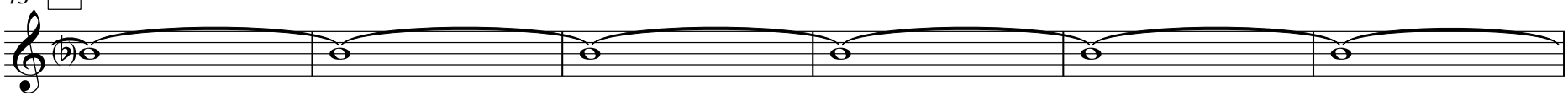
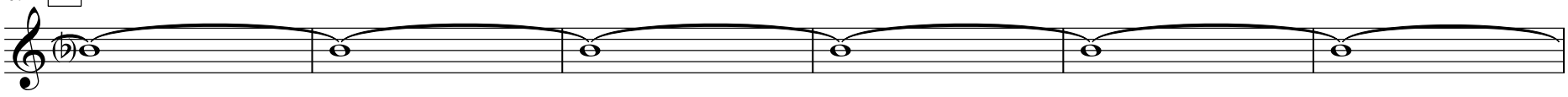
Basilita Bonita Publishing (BMI)

Vibraphone 2

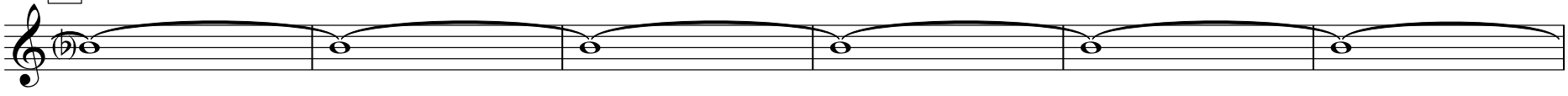
43 **7'**



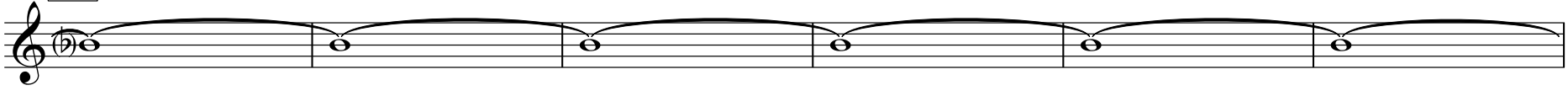
49 **8'**



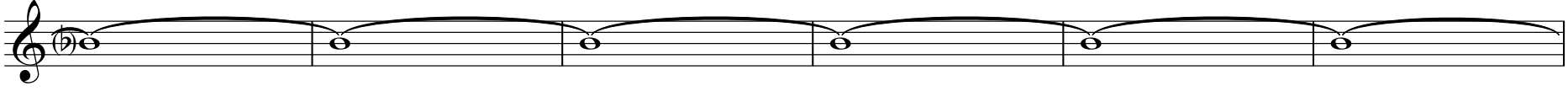
55 **9'**



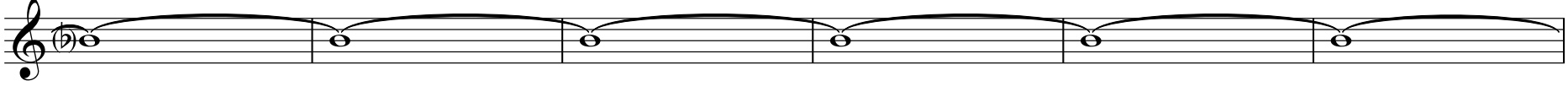
61 **10'**



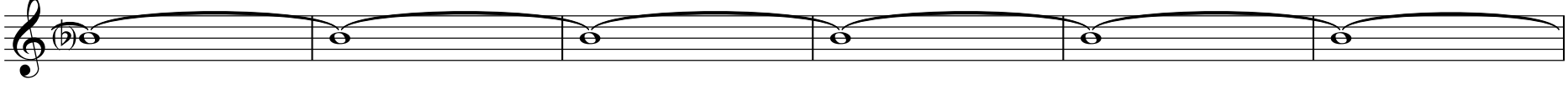
67 **11'**

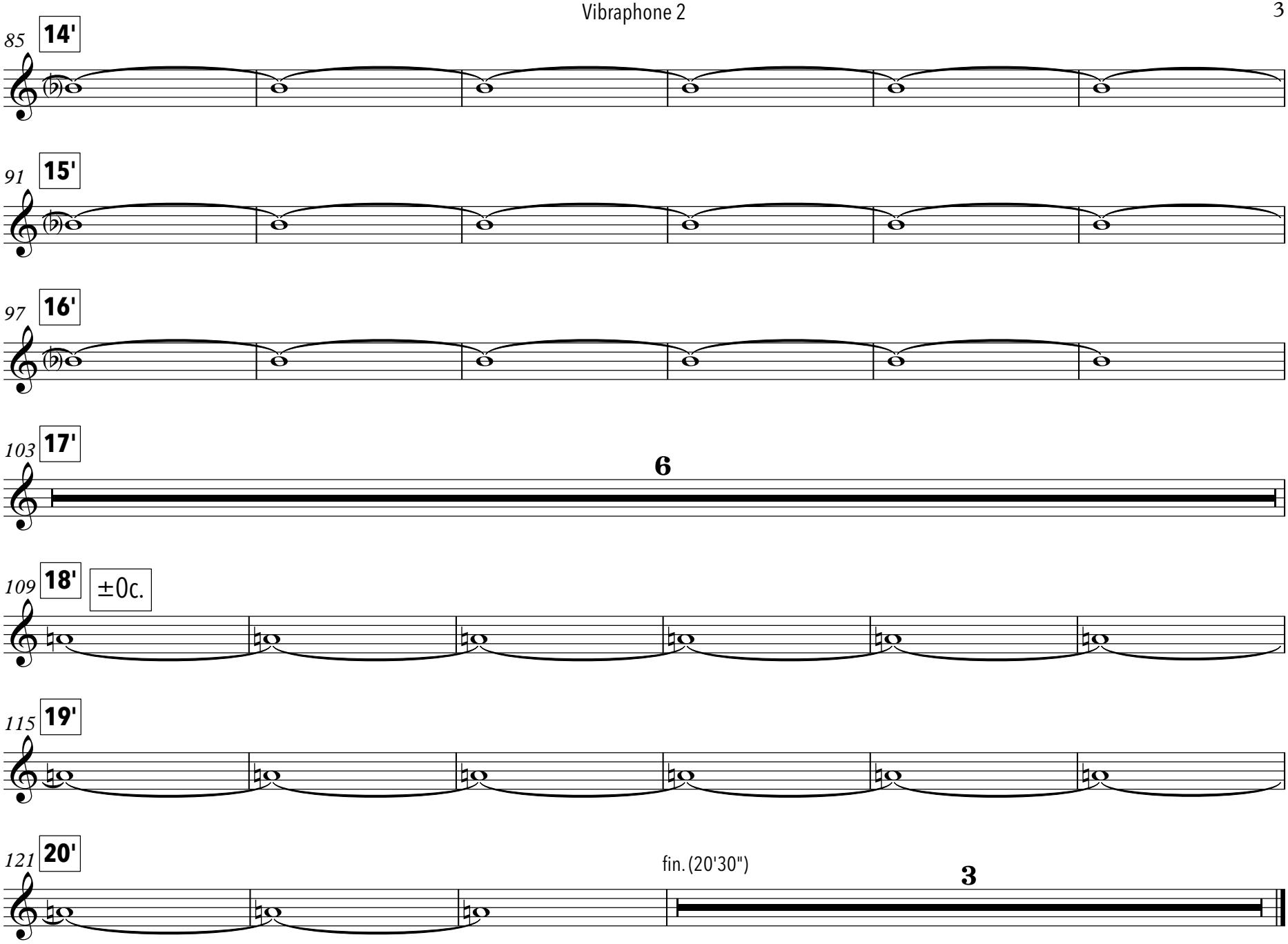


73 **12'**



79 **13'**




85
14'
91
15'
97
16'
103
17'
6
109
18'
±0c.
115
19'
121
20'
fin. (20'30")
3

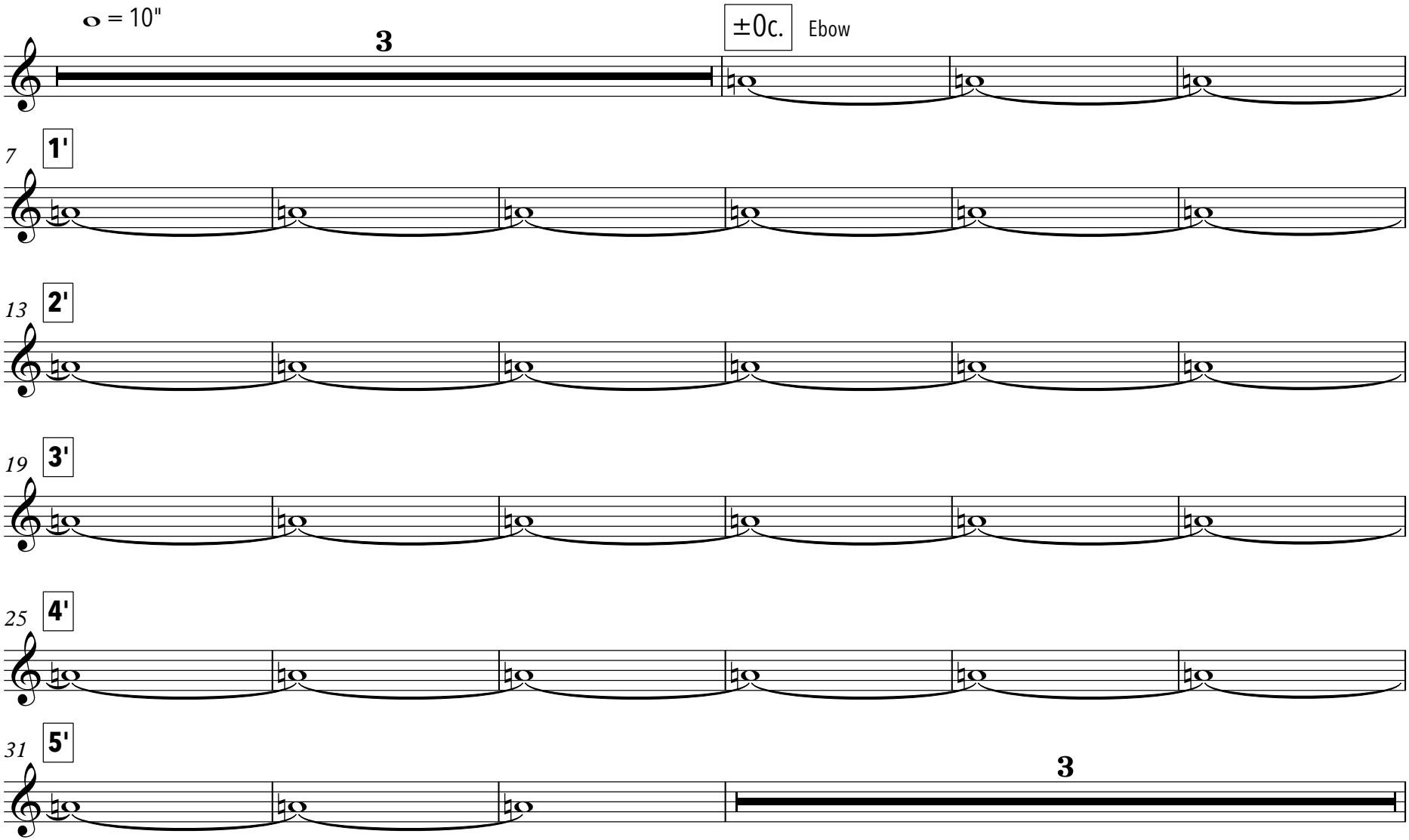
Harp

Pitch Gradient with Noise #6 (in Bb)

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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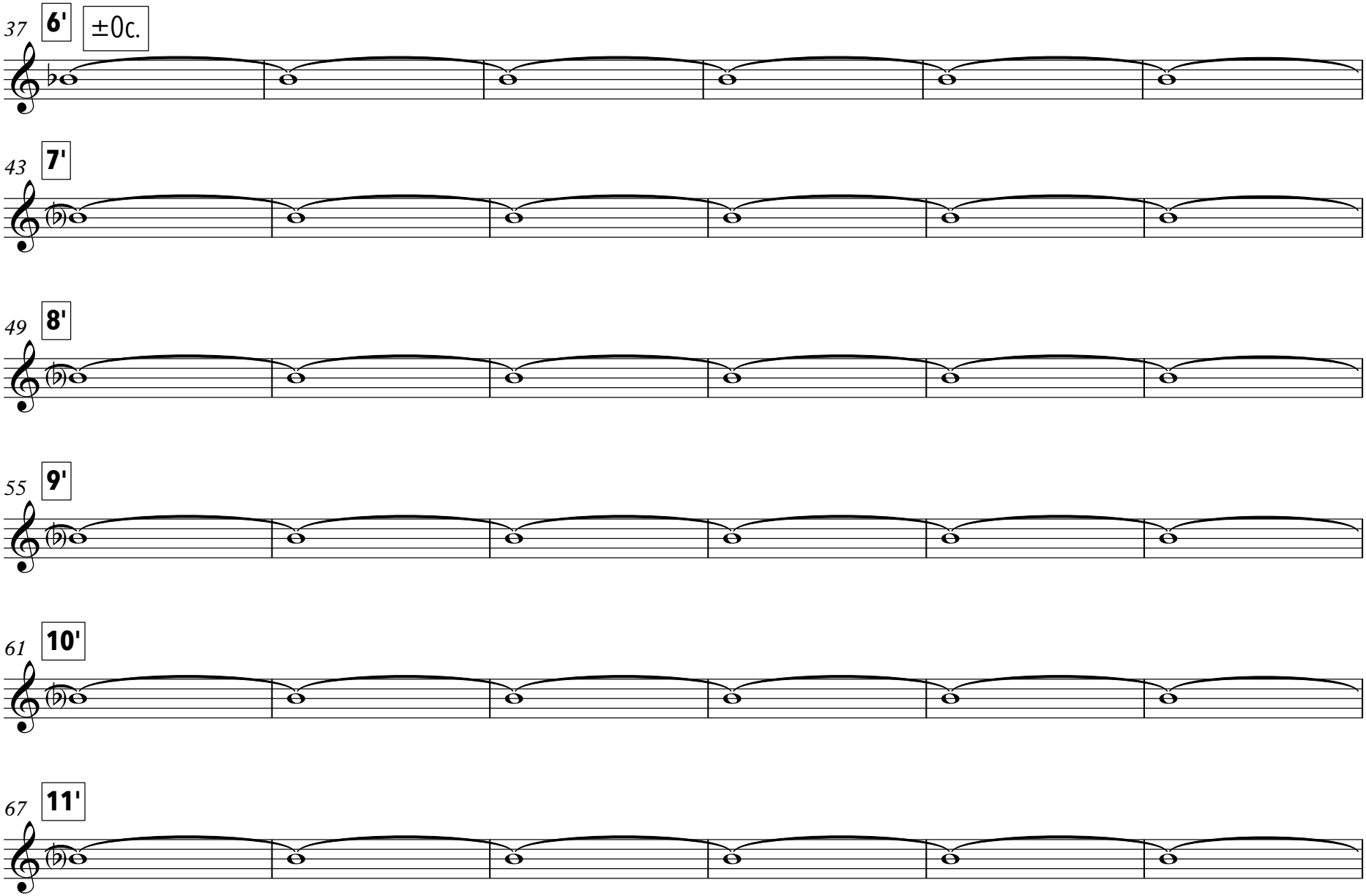
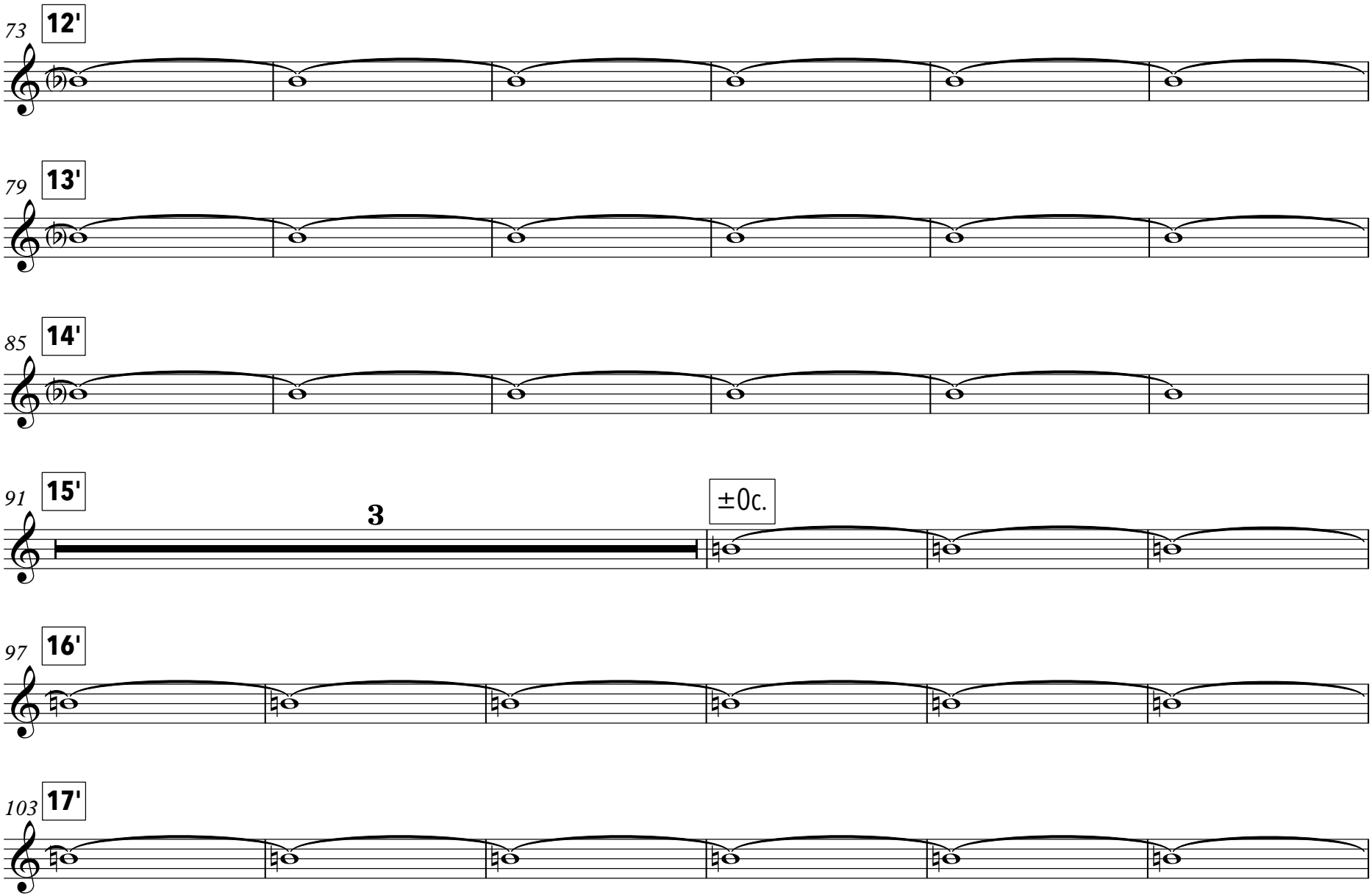
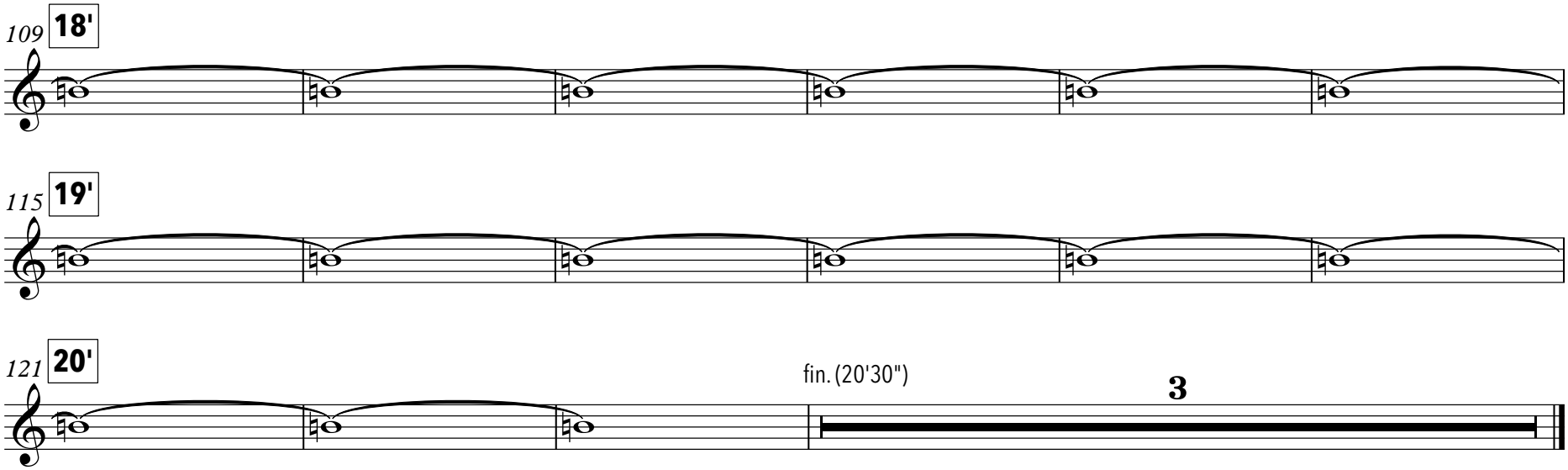
Basilita Bonita Publishing (BMI)


37
6'
±0c.
43
7'
49
8'
55
9'
61
10'
67
11'


73
12'
79
13'
85
14'
91
15'
3
±0c.
97
16'
103
17'


109
18'
115
19'
121
20'
fin. (20'30")
3

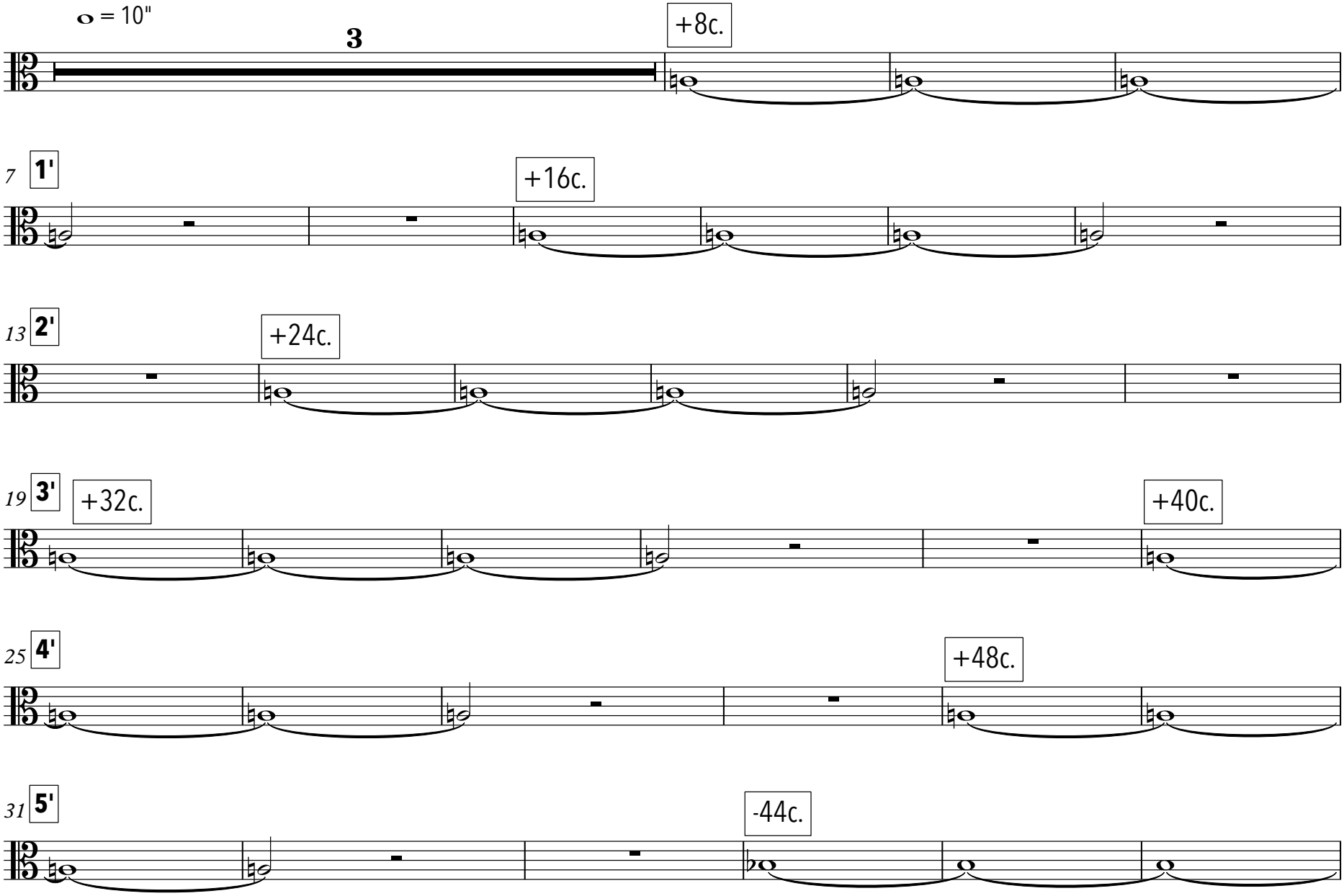
Pitch Gradient with Noise #6 (in Bb)

Viola 1

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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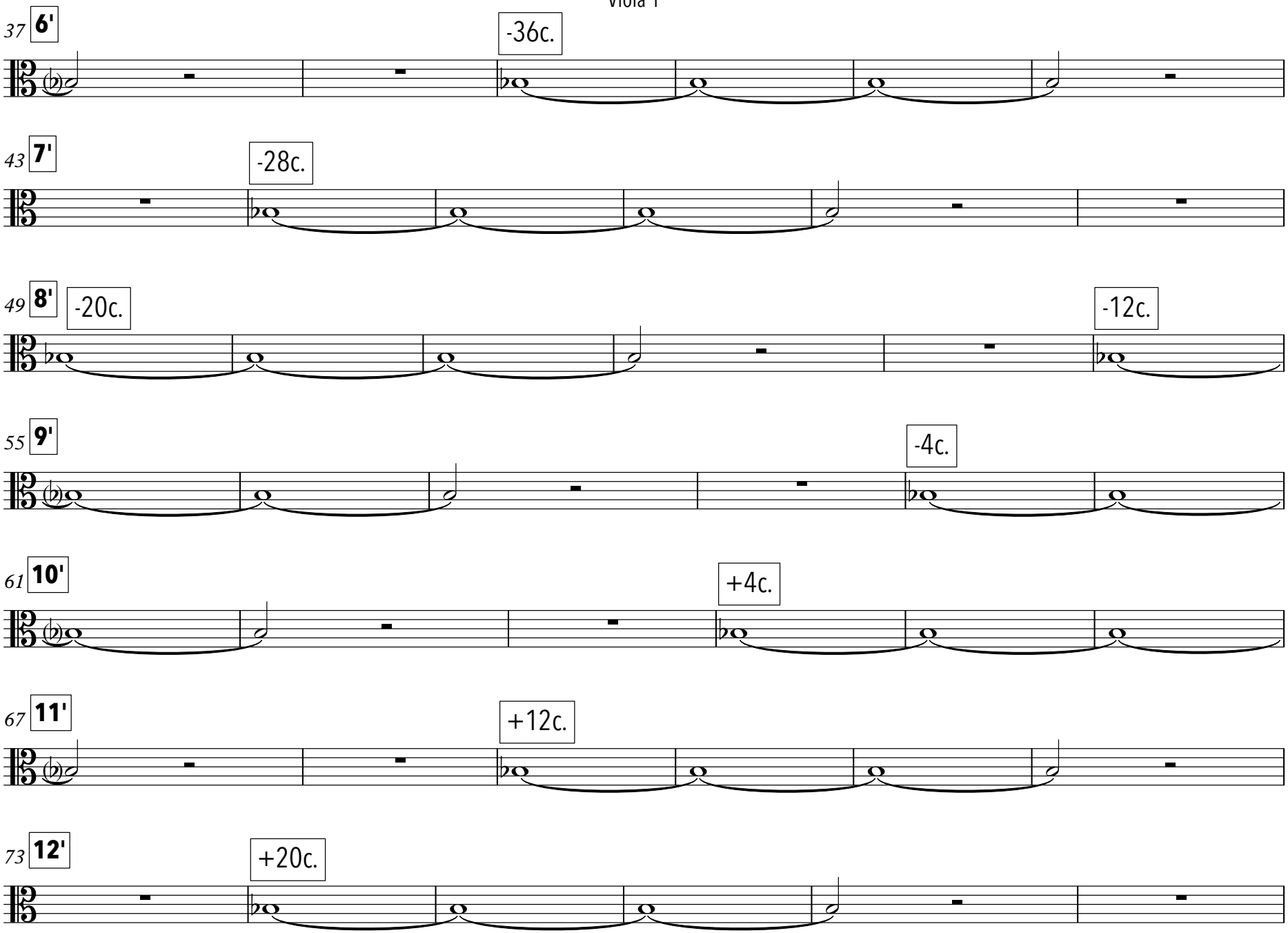
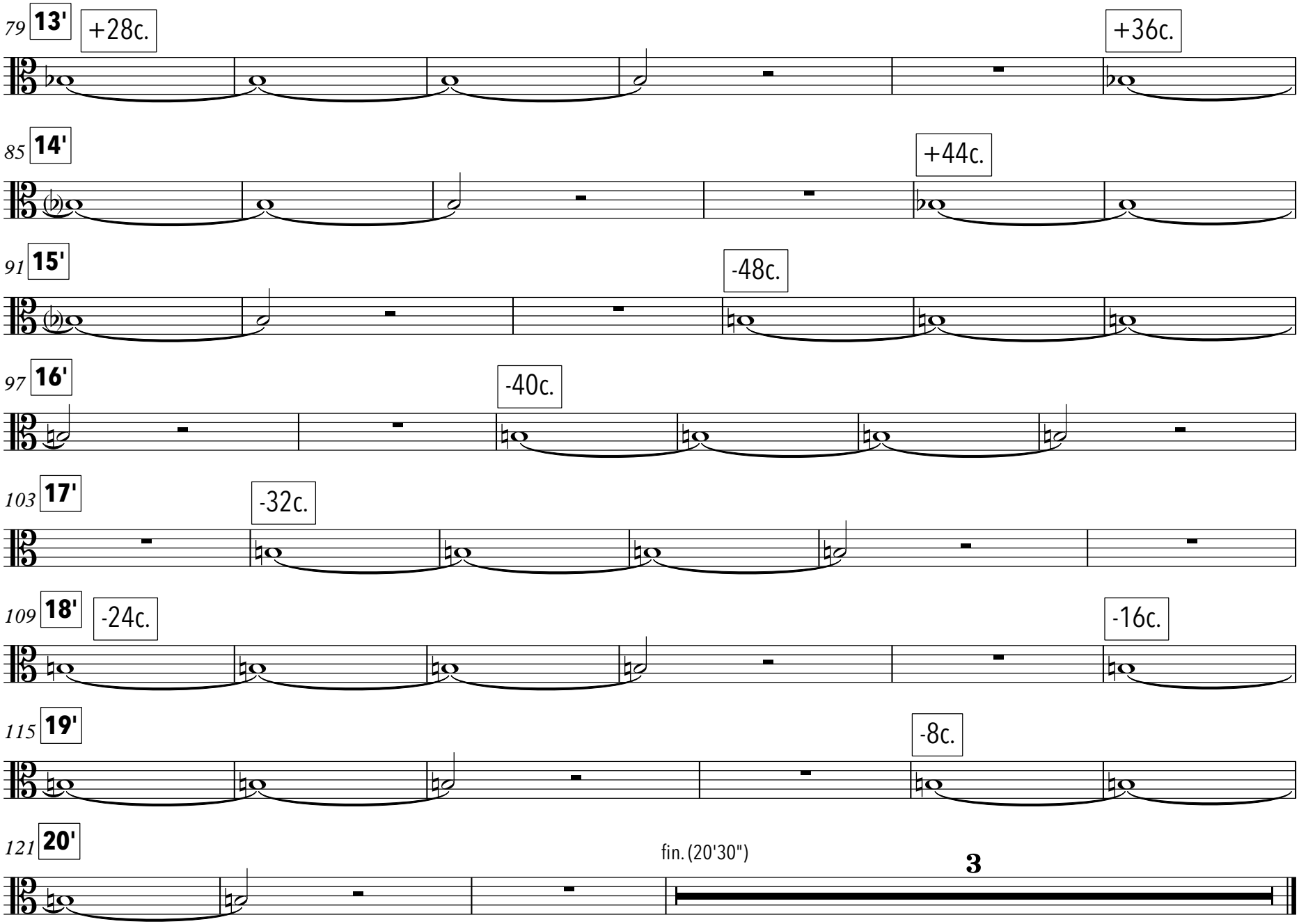
Viola 1




79
13'
+28c.
+36c.
85
14'
+44c.
91
15'
-48c.
97
16'
-40c.
103
17'
-32c.
109
18'
-24c.
-16c.
115
19'
-8c.
121
20'
fin. (20'30")
3

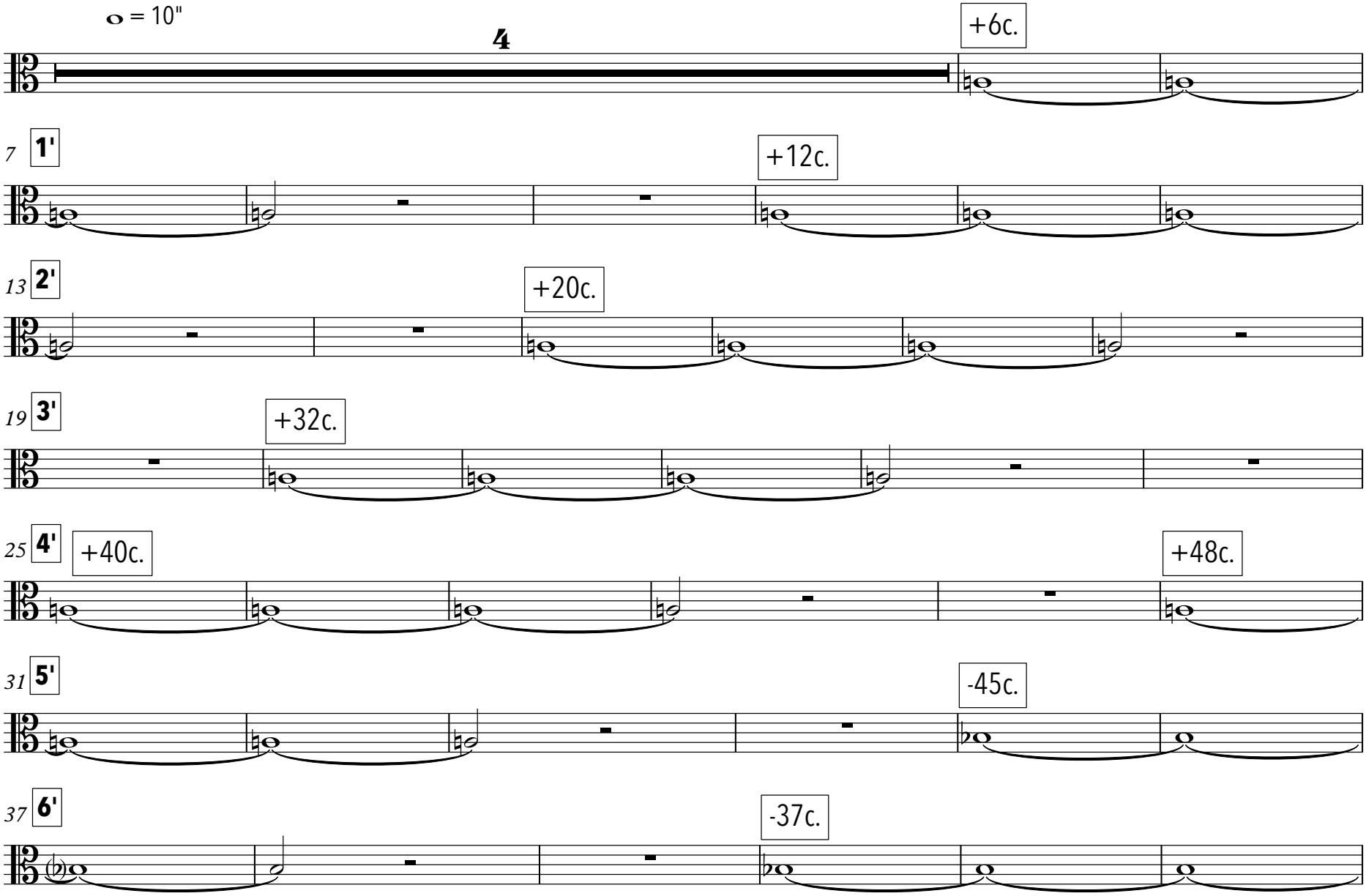
Pitch Gradient with Noise #6 (in Bb)

Viola 2

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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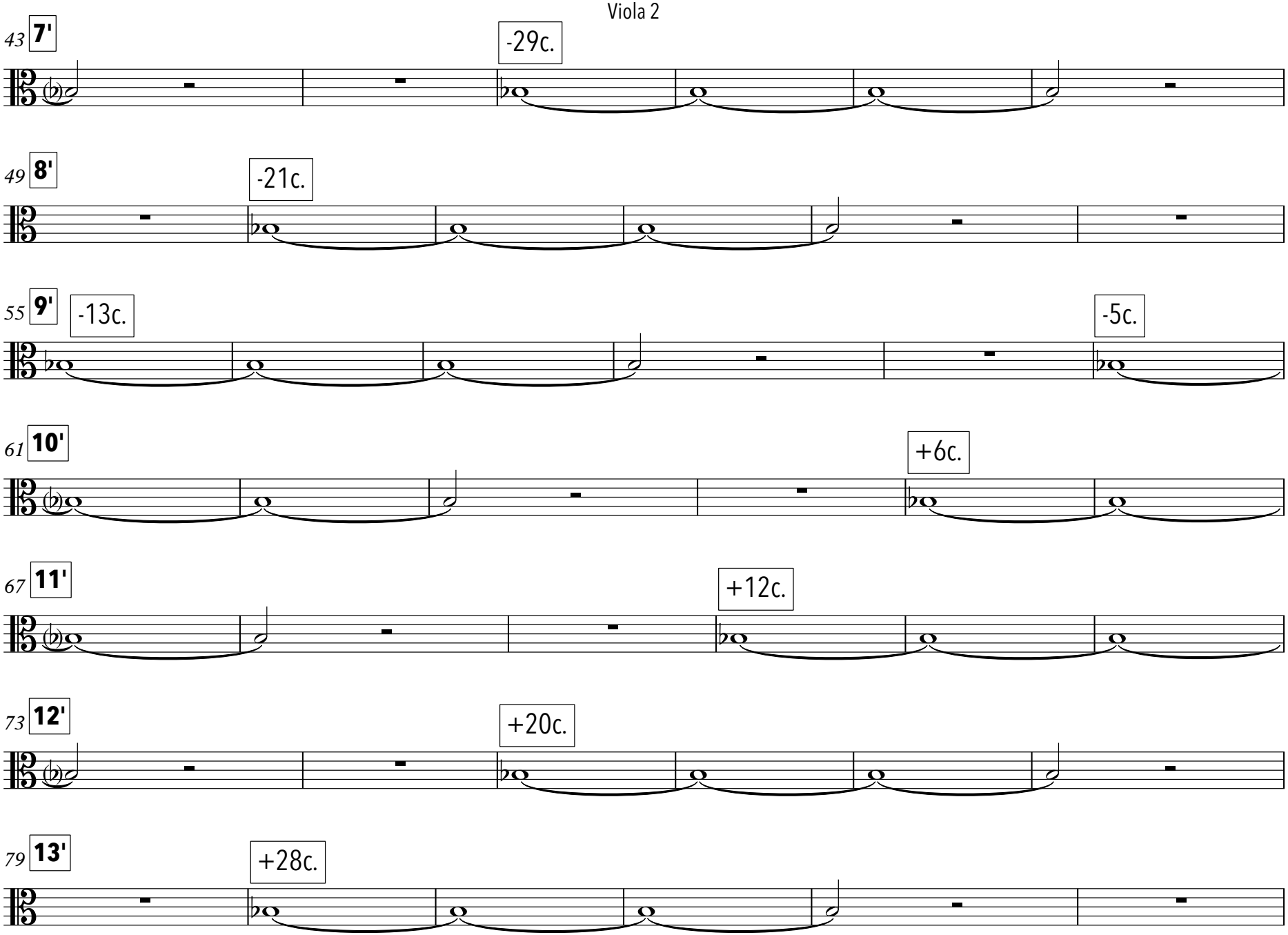
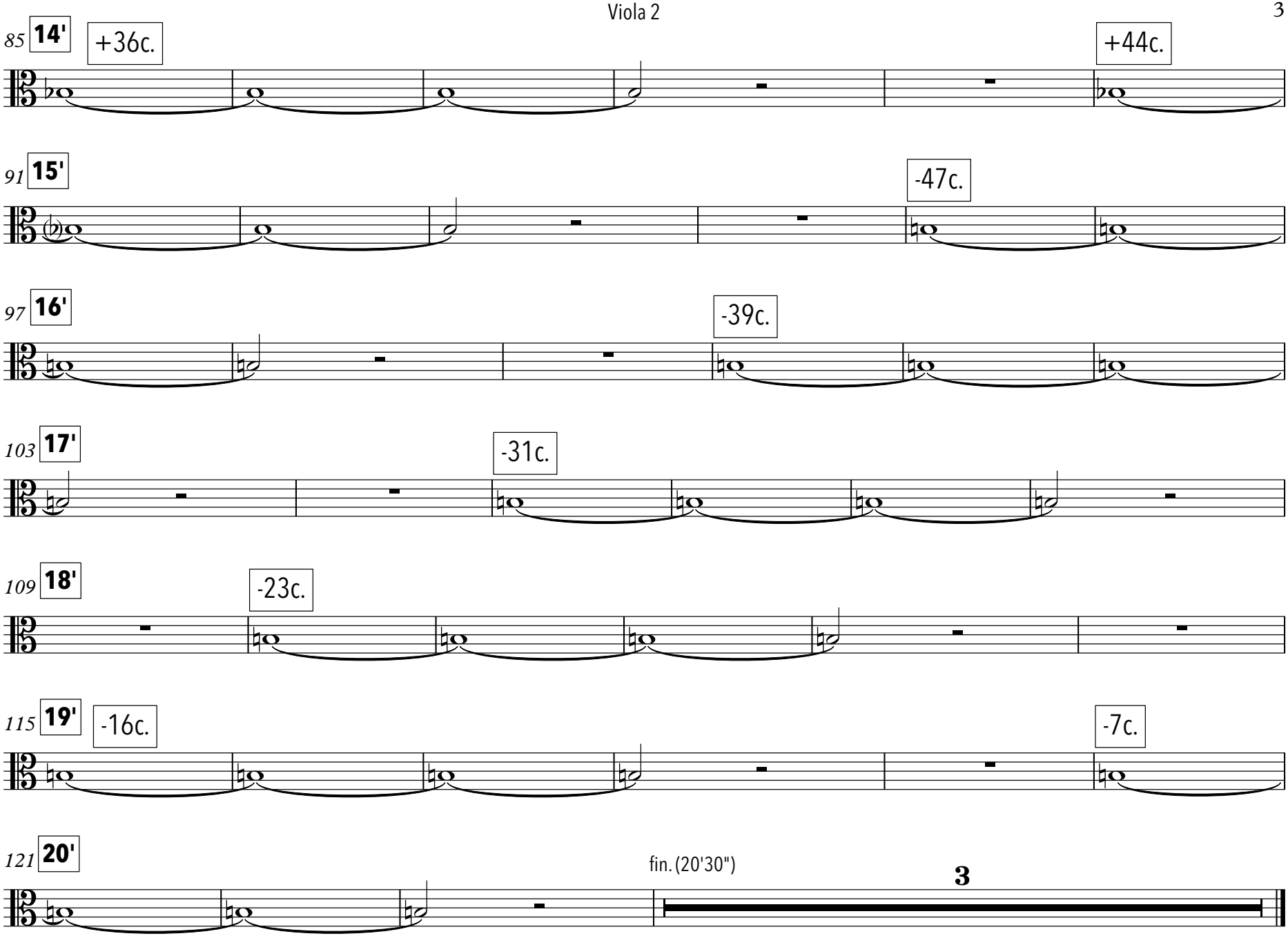
Basilita Bonita Publishing (BMI)

Viola 2




85
14'
+36c.
+44c.
91
15'
-47c.
97
16'
-39c.
103
17'
-31c.
109
18'
-23c.
115
19'
-16c.
-7c.
121
20'
fin. (20'30")
3

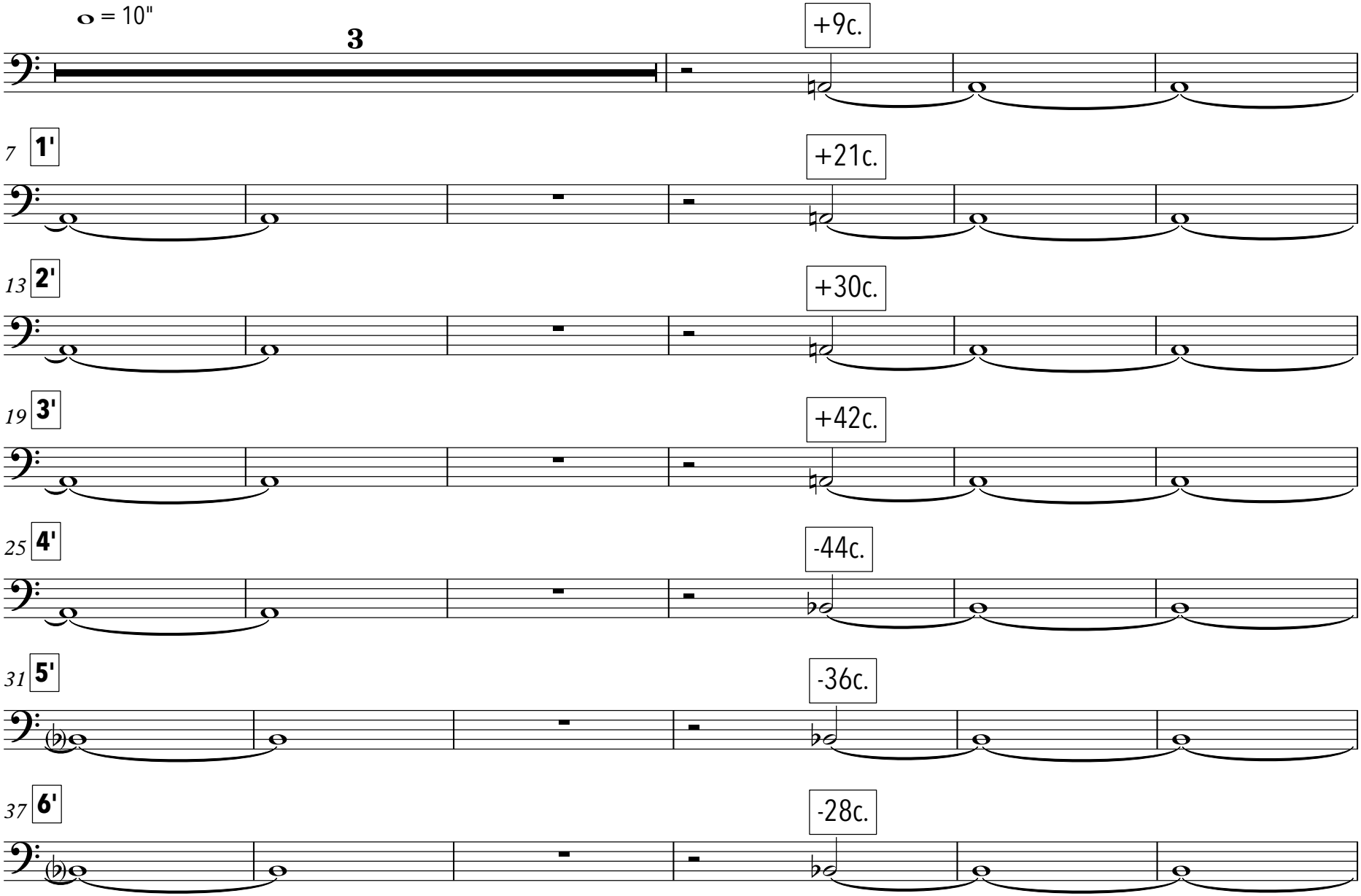
Pitch Gradient with Noise #6 (in Bb)

Cello

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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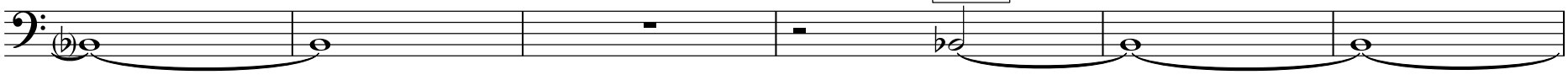
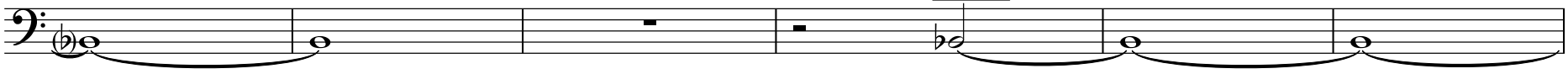
Basilita Bonita Publishing (BMI)

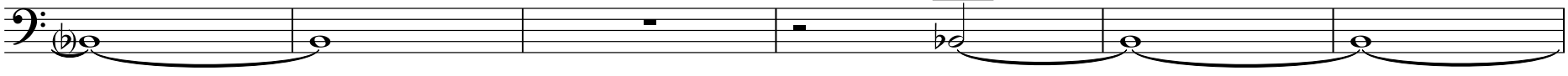
43 **7'** -20c.



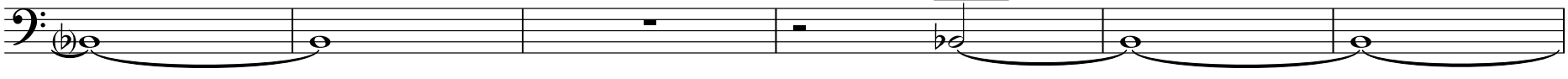
49 **8'** -12c.



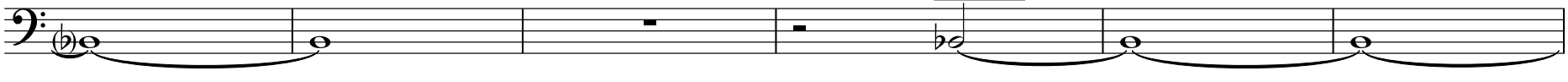
55 **9'** -4c.



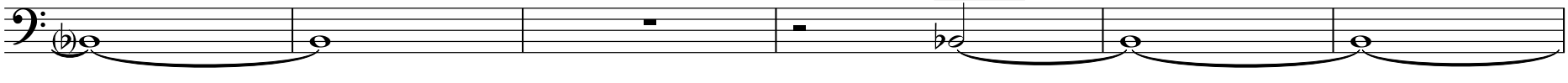
61 **10'** +4c.



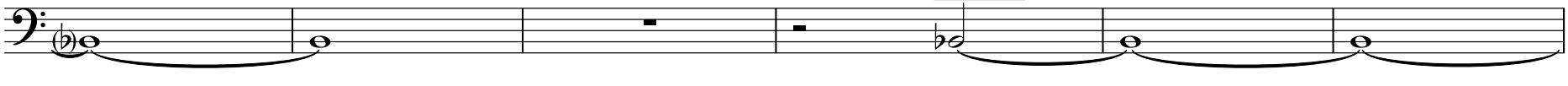
67 **11'** +12c.

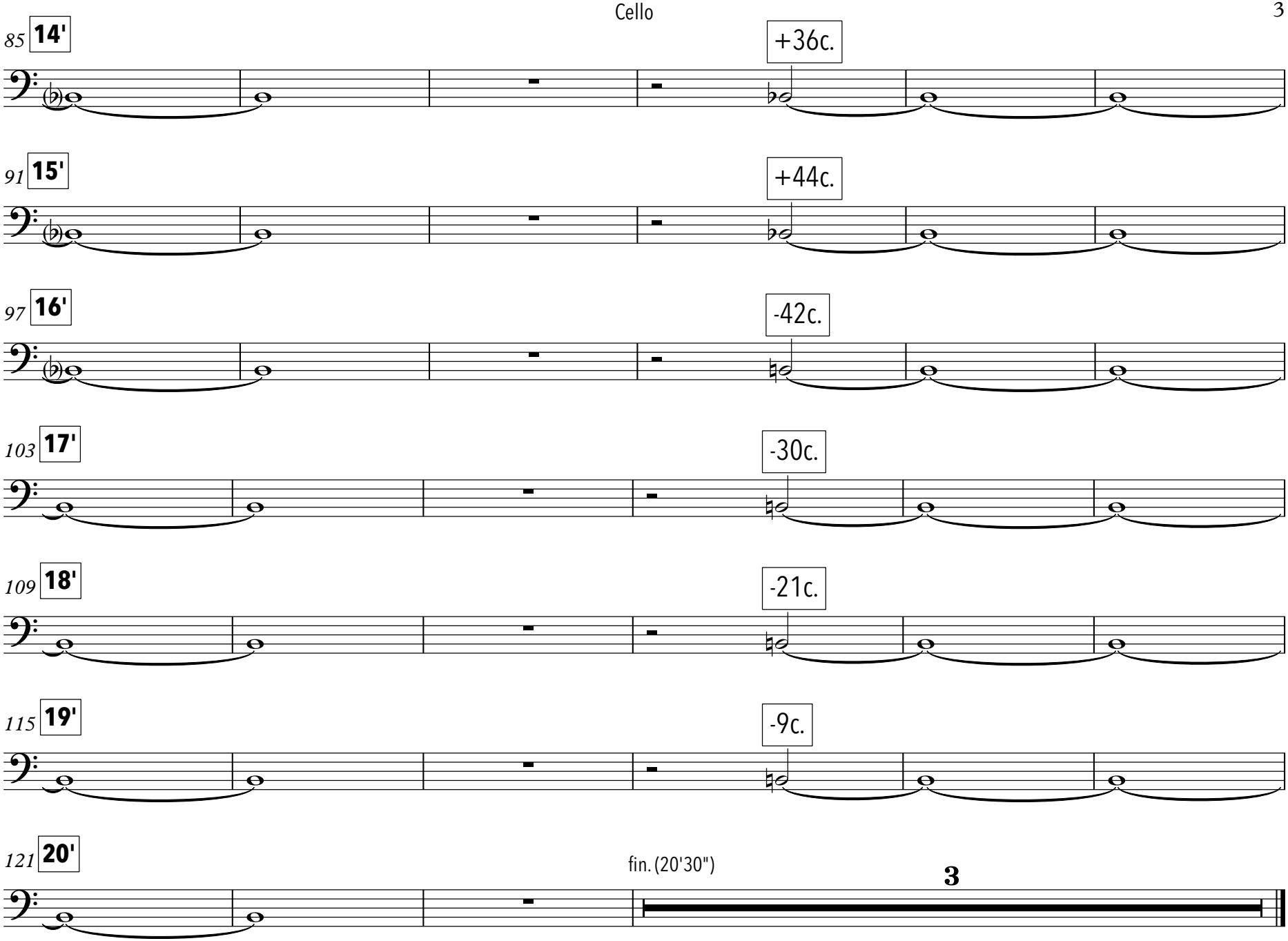


73 **12'** +20c.



79 **13'** +28c.



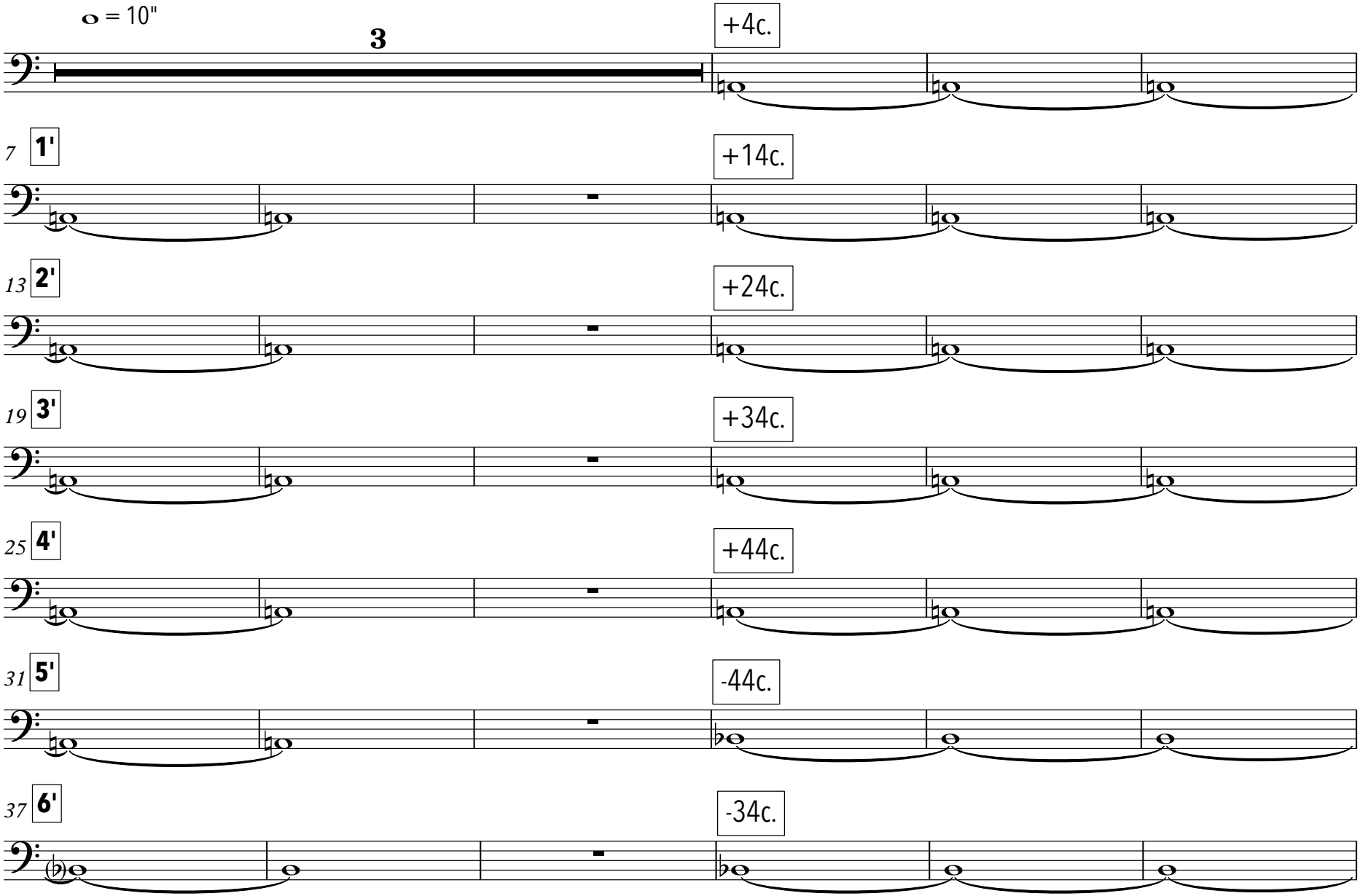

85
14'
+36c.
91
15'
+44c.
97
16'
-42c.
103
17'
-30c.
109
18'
-21c.
115
19'
-9c.
121
20'
fin. (20'30")
3

Pitch Gradient with Noise #6 (in Bb)

Contrabass 1

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition



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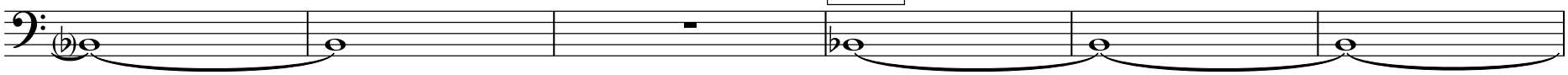
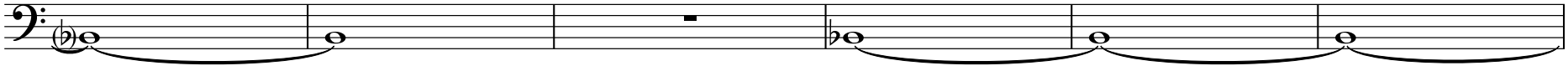
Basilita Bonita Publishing (BMI)

Contrabass 1

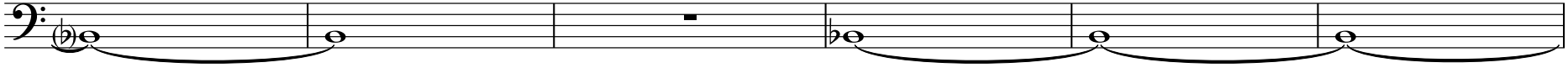
43 **7'** -24c.



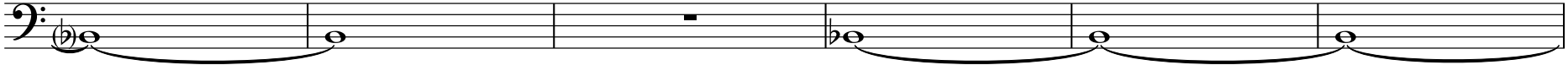
49 **8'** -14c.



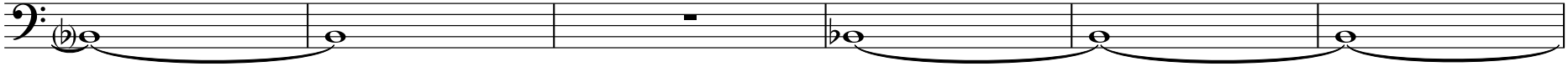
55 **9'** -4c.



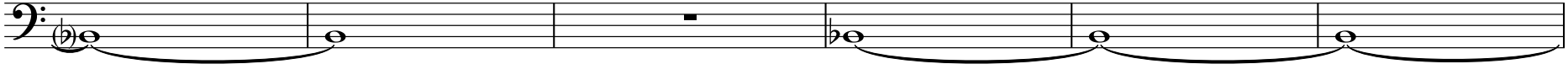
61 **10'** +4c.



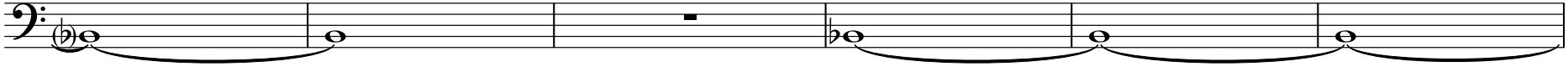
67 **11'** +14c.

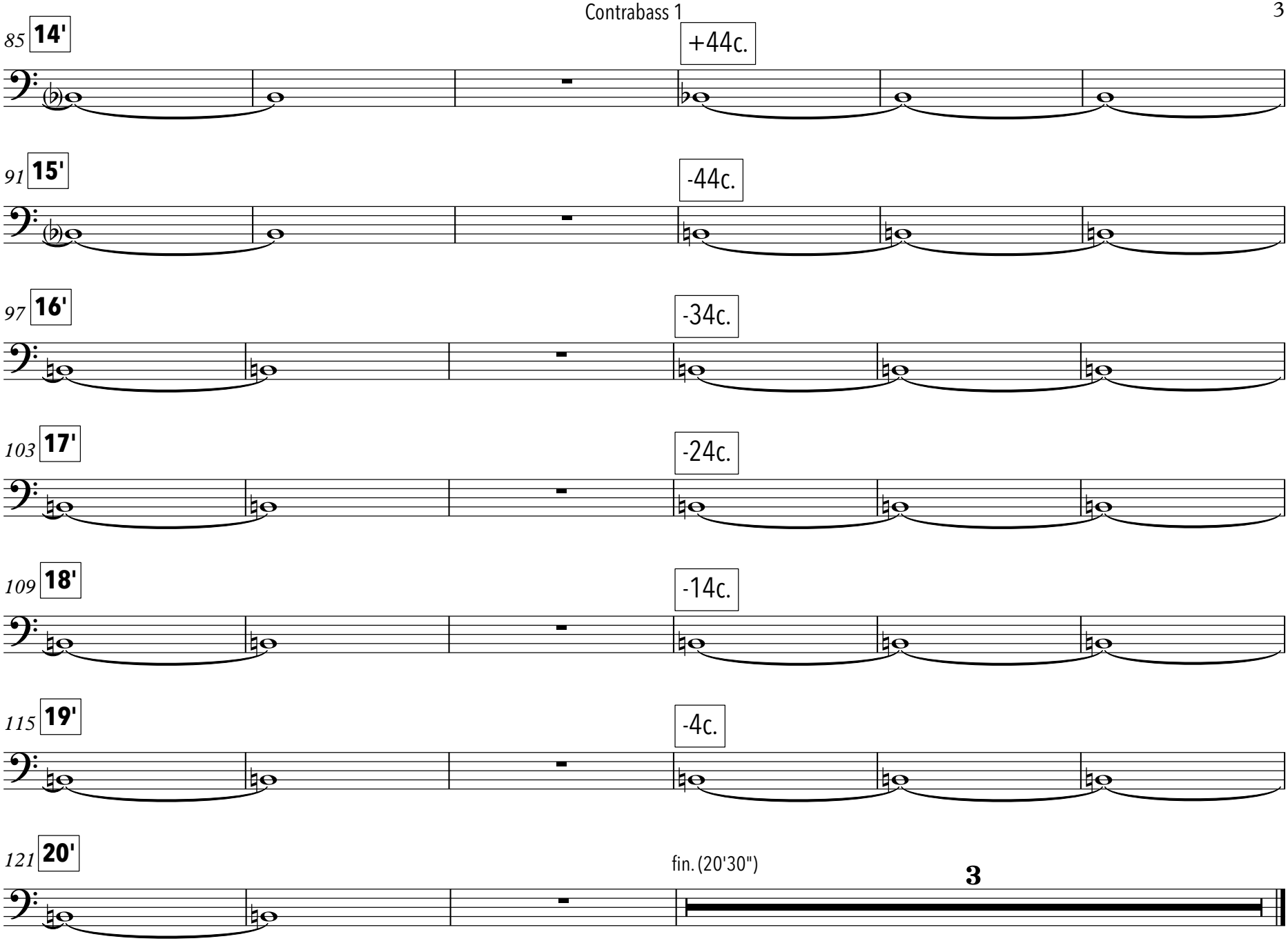


73 **12'** +24c.



79 **13'** +34c.



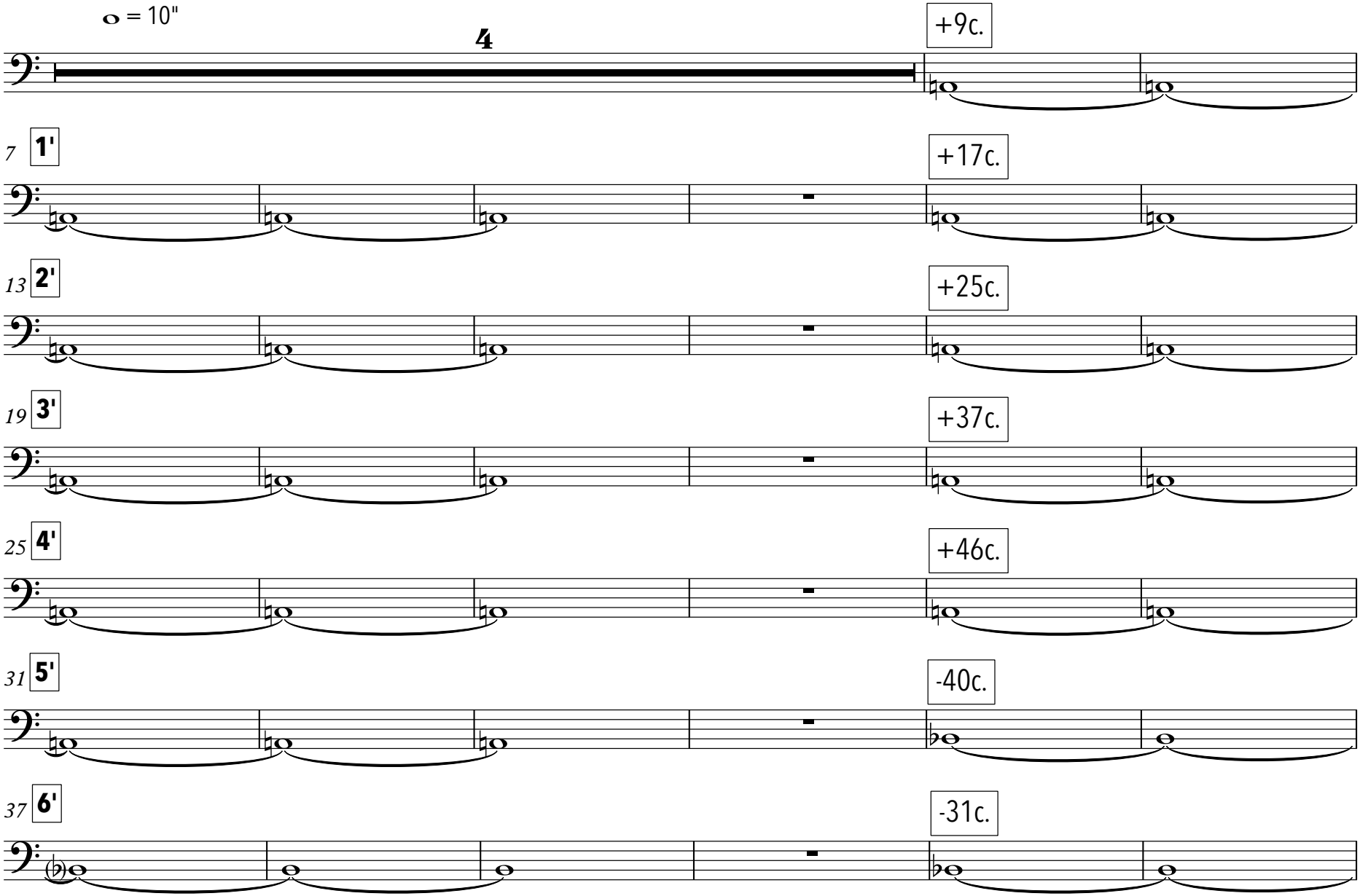

85
14'
+44c.
91
15'
-44c.
97
16'
-34c.
103
17'
-24c.
109
18'
-14c.
115
19'
-4c.
121
20'
fin. (20'30")
3

Pitch Gradient with Noise #6 (in Bb)

Contrabass 2

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition



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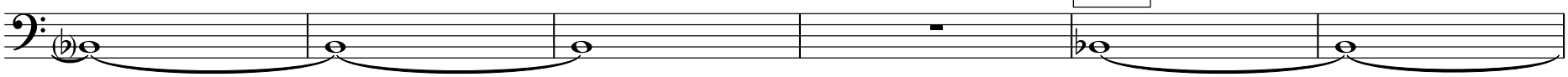
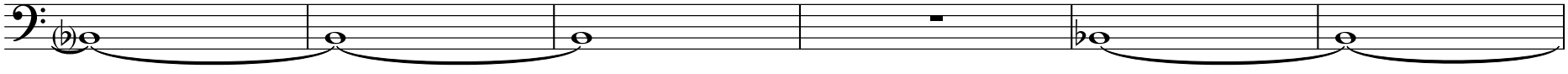
Basilita Bonita Publishing (BMI)

Contrabass 2

43 **7'** -23c.

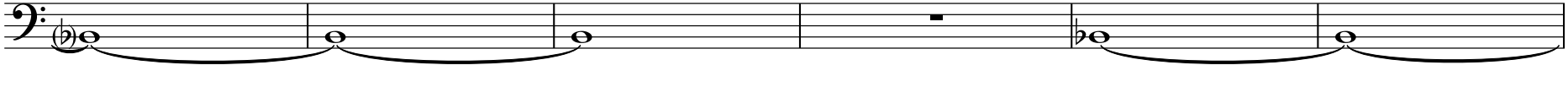


49 **8'** -11c.

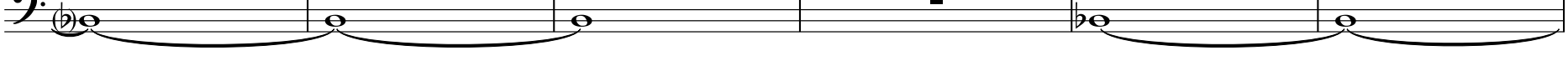


55 **9'** -2c.

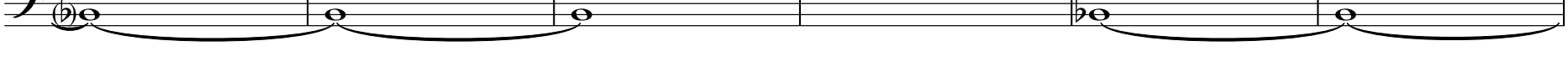
61 **10'** +7c.



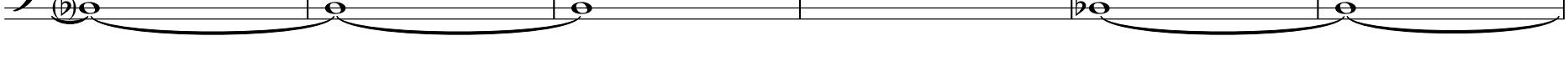
67 **11'** +17c.

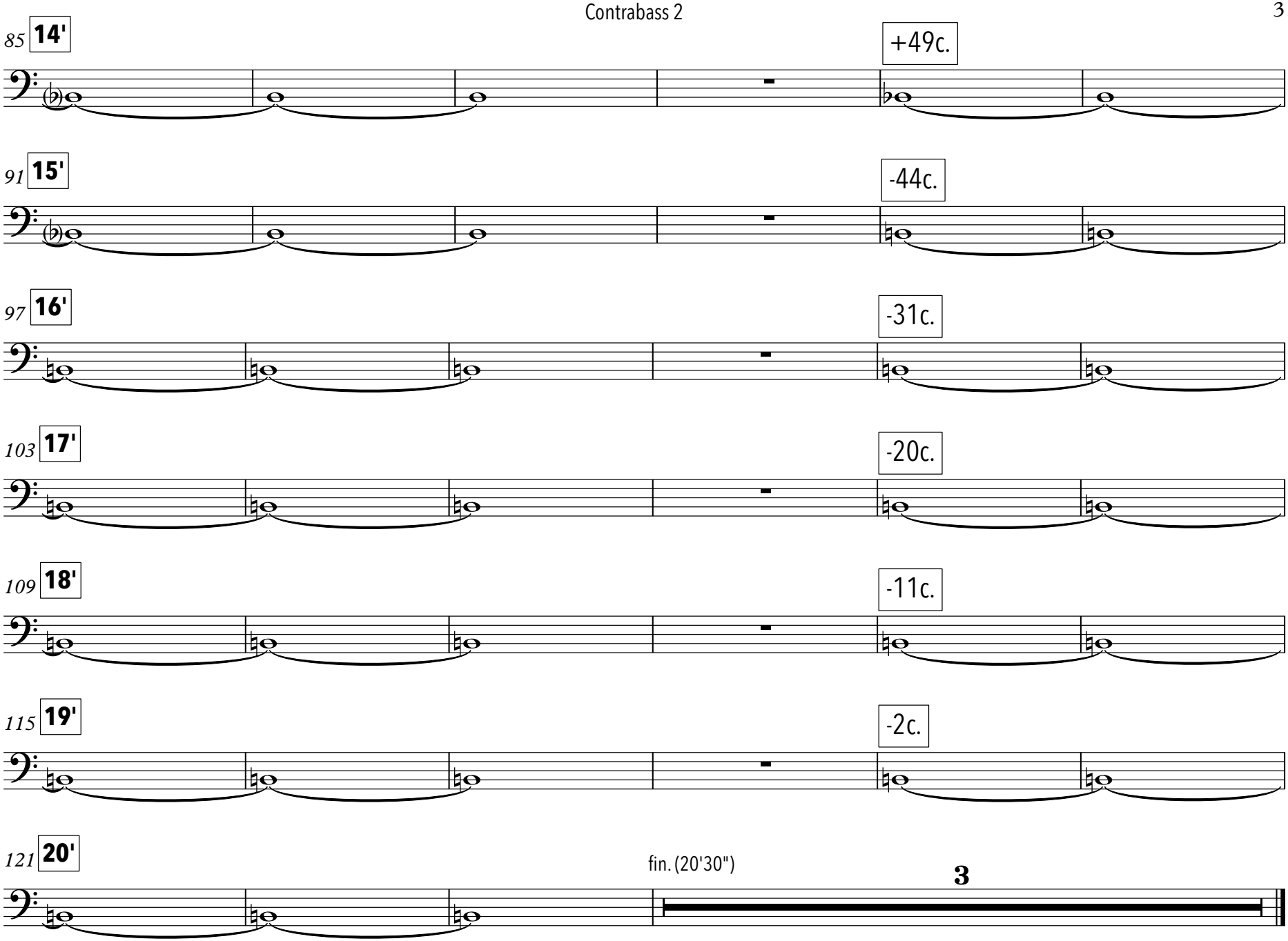


73 **12'** +26c.



79 **13'** +40c.




85
14'
+49c.
91
15'
-44c.
97
16'
-31c.
103
17'
-20c.
109
18'
-11c.
115
19'
-2c.
121
20'
fin. (20'30")
3

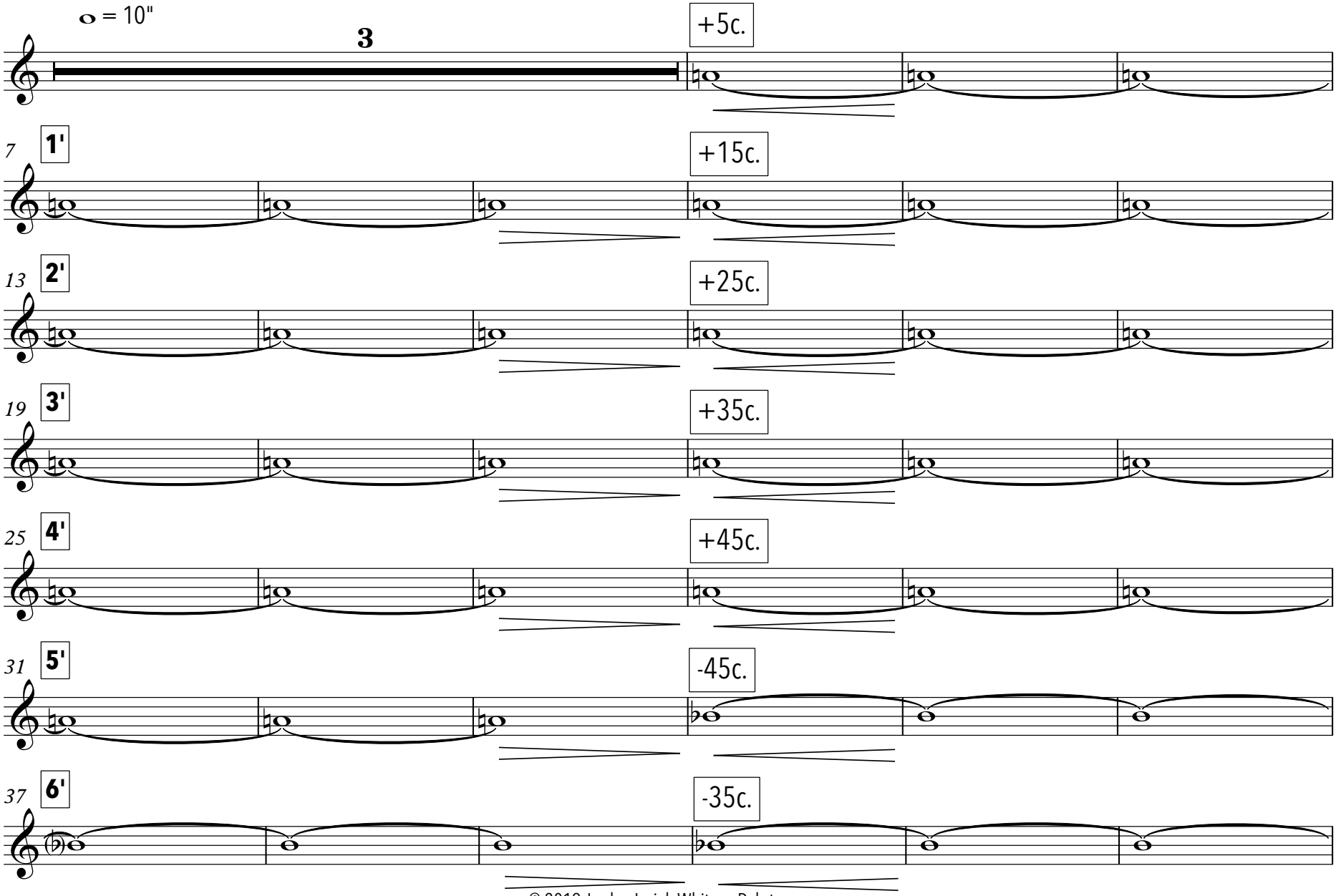
Pitch Gradient with Noise #6 (in Bb)

Electronics (sine tones)

JORDAN DYKSTRA (2019)

All voices balanced, with any octave transposition

𝅝 = 10"



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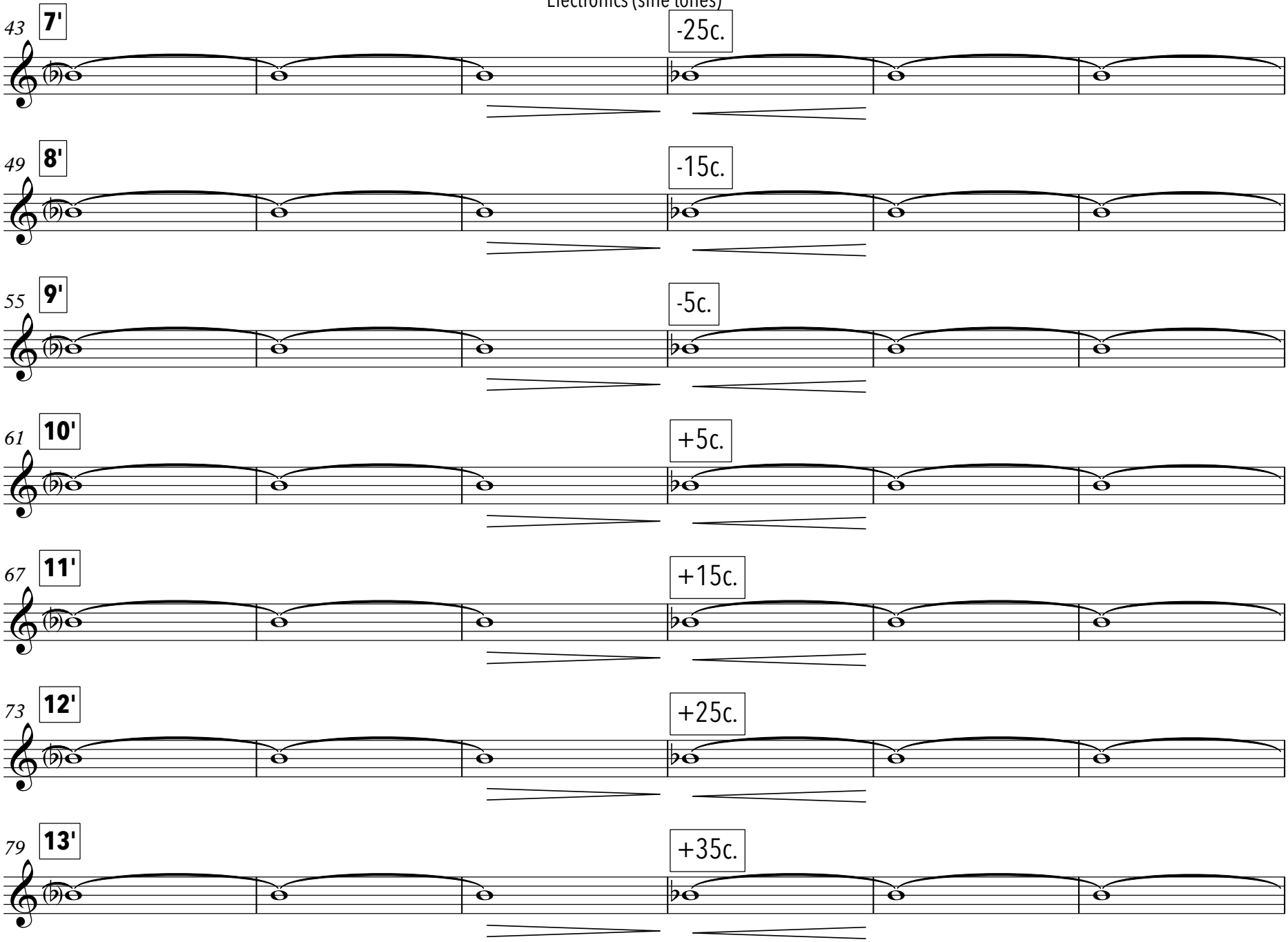
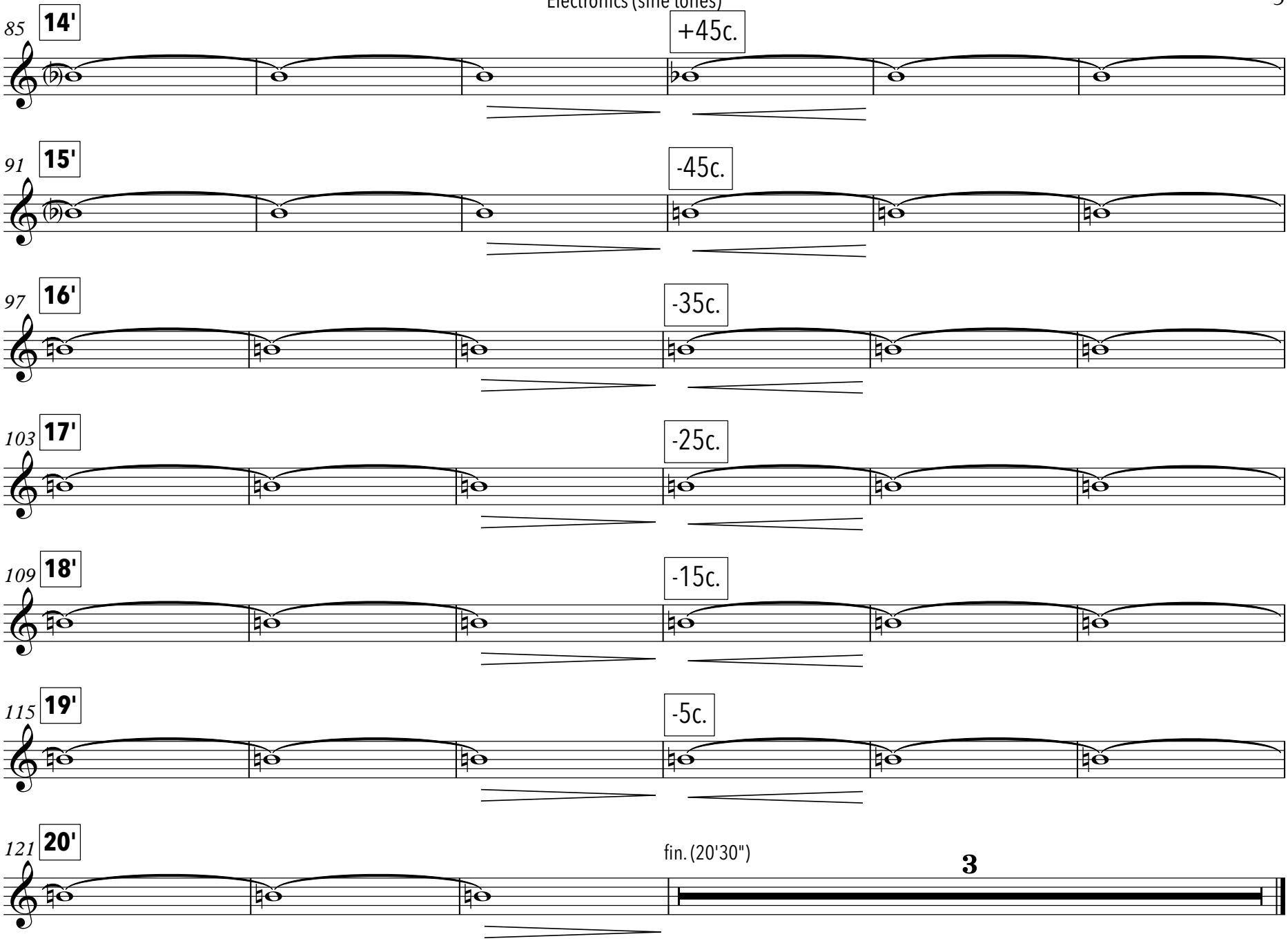
Electronics (sine tones)




85
14'
+45c.
91
15'
-45c.
97
16'
-35c.
103
17'
-25c.
109
18'
-15c.
115
19'
-5c.
121
20'
fin. (20'30")
3