

Carbon Dioxide Melody

Piano

Based on CO₂ Data Recorded at The NOAA Mauna Loa Observatory By Charles Jahren Conrad

1 ♩ = 100

Movement 1. A complete 60 years of climate change

Right hand (RH): 1959-2019 annual values.
Left hand (LH): Major chords of annual values.

Musical notation for Movement 1, measures 1-4. The right hand plays a melody of quarter notes, and the left hand plays major chords. The dynamic is marked *mf*.

Musical notation for Movement 1, measures 5-8. The right hand continues the melody, and the left hand continues with major chords.

9

10

Movement 2. 40 years of annual increase

RH: annual averages from 1980-2019.
LH: 4 year averages chords as root notes.

Musical notation for Movement 2, measures 9-12. The right hand plays a melody, and the left hand plays chords. The dynamic is marked *mp*.

13

17

Musical notation for Movement 2, measures 13-17. The right hand continues the melody, and the left hand continues with chords.

21

Movement 3. Monthly fluctuations in recent five years

Musical notation for Movement 3, measures 21-24. The right hand plays a melody, and the left hand plays chords. The dynamic is marked *pp*.

RH: Minor chords of first monthly fluctuation.
LH: 2015-2019 monthly fluctuations.

25

Musical notation for Movement 3, measures 25-28. The right hand plays chords, and the left hand plays a melody. Dynamics are marked *p* and *mp*.

Musical score for measures 29-32. Treble clef has chords in G major, F major, E major, and D major. Bass clef has a descending eighth-note line. Dynamics: *mf*, then *f*.

33

37 Movement 4. Decadal averages

Musical score for measures 33-36 and 37-40. Measures 33-36 show chords in G major, F major, E major, and D major. Measures 37-40 show a descending eighth-note line in the treble and sustained chords in the bass. Dynamics: *mf*.

RH: Arpeggiating LH minor chords.
LH: Minor chords of decadal average root notes from 1960s-2010s.

Musical score for measures 41-44. Treble clef has a descending eighth-note line. Bass clef has sustained chords. Dynamics: *mf*.

41

Musical score for measures 45-48. Treble clef has a descending eighth-note line. Bass clef has sustained chords. Dynamics: *mf*.

Musical score for measures 49-52. Treble clef has a descending eighth-note line. Bass clef has sustained chords. Dynamics: *mf*.

45

Musical score for measures 53-56. Treble clef has a descending eighth-note line. Bass clef has sustained chords. Dynamics: *ff*.

Movement 5. Annual values
of the 21st century

RH: Linear projected CO2 values of 2020-2044 as root notes.
LH: Mirror of RH major and minor chords. 53