

README

Date of Data Collection

2025-06-24 through 2025-09-02

Location of Data Collection

John F. Kennedy Elementary School, 7 Bolster St, Jamaica Plain, MA 02130

Data and File Overview

Data collected at the Site over the Date Range include:

Sound Levels

Concentration of Airborne Particulates

Concentration of Airborne Volatile Organic Compounds (VOC)

Sub-Surface Vibration Levels

List of Recorded Variables - Audio

Marker	Measurement Description
LASmax_dt	Maximum A-weighted slow Sound Level over the interval
LASmin_dt	Minimum A-weighted slow Sound Level over the interval
LAFmax_dt	Maximum A-weighted fast Sound Level over the interval
LAFmin_dt	Minimum A-weighted fast Sound Level over the interval
LAFinst_dt	Instantaneous A-weighted fast Sound Level at the interval
LAImax_dt	Maximum A-weighted Impulse time Sound Level over the interval
LAImin_dt	Minimum A-weighted Impulse time Sound Level over the interval
LAPKmax_dt	Peak A-weighted sound level over the interval
LAE_dt	A-weighted sound exposure level over the interval
LAeq_dt	Average A-weighted Sound level over the interval
LAeq	Average A-weighted Sound level
LAeq_g5"	Average A-weighted Sound level over a gliding 5 minute interval
LAeq_g5"max	Maximum A-weighted Sound level over a gliding 5 minute interval
LAeq_g10'	Average A-weighted Sound level over a gliding 10 minute interval
LAeq_g10'max	Maximum A-weighted Sound level over a gliding 10 minute interval
LAeq_g15'	Average A-weighted Sound level over a gliding 15 minute interval

Marker	Measurement Description
LAeq_g15'max	Maximum A-weighted Sound level over a gliding 15 minute interval
LAeq_g60'	Average A-weighted Sound level over a gliding 60 minute interval
LAeq_g60'max	Maximum A-weighted Sound level over a gliding 60 minute interval
LAleq_dt	Average A-weighted Impulse time Sound Level over the interval
LAFT3	Maximum A-weighted fast Sound Level over 3 seconds
LAFT3eq	Average A-weighted fast Sound level over 3 seconds
LAFT5	Maximum A-weighted fast Sound Level over 5 seconds
LAFT5eq	Average A-weighted fast Sound level over 5 seconds
LCSmax_dt	Maximum C-weighted slow Sound Level over the interval
LCSmin_dt	Minimum C-weighted slow Sound Level over the interval
LCFmax_dt	Maximum C-weighted fast Sound Level over the interval
LCFmin_dt	Minimum C-weighted fast Sound Level over the interval
LCFinst_dt	Instantaneous C-weighted fast Sound Level at the interval
LCImax_dt	Maximum C-weighted Impulse time Sound Level over the interval
LCImin_dt	Minimum C-weighted Impulse time Sound Level over the interval
LCPKmax_dt	Peak C-weighted sound level over the interval
LCE_dt	C-weighted sound exposure level over the interval
LCeq_dt	Average C-weighted Sound level over the interval
LCeq	Average C-weighted Sound level
LCeq_g5"	Average C-weighted Sound level over a gliding 5 minute interval
LCeq_g5"max	Maximum C-weighted Sound level over a gliding 5 minute interval
LCeq_g10'	Average C-weighted Sound level over a gliding 10 minute interval
LCeq_g10'max	Maximum C-weighted Sound level over a gliding 10 minute interval
LCeq_g15'	Average C-weighted Sound level over a gliding 15 minute interval
LCeq_g15'max	Maximum C-weighted Sound level over a gliding 15 minute interval
LCeq_g60'	Average C-weighted Sound level over a gliding 60 minute interval
LCeq_g60'max	Maximum C-weighted Sound level over a gliding 60 minute interval
LCleq_dt	Average C-weighted Impulse time Sound Level over the interval
LZSmax_dt	Maximum unweighted slow Sound Level over the interval
LZSmin_dt	Minimum unweighted slow Sound Level over the interval
LZFmax_dt	Maximum unweighted fast Sound Level over the interval
LZFmin_dt	Minimum unweighted fast Sound Level over the interval
LZFinst_dt	Instantaneous unweighted fast Sound Level at the interval
LZImax_dt	Maximum unweighted Impulse time Sound Level over the interval
LZImin_dt	Minimum unweighted Impulse time Sound Level over the interval
LZPKmax_dt	Peak unweighted sound level over the interval
LZE_dt	Unweighted sound exposure level over the interval
LZeq_dt	Average unweighted Sound level over the interval
LZeq	Average unweighted Sound level
LZleq_dt	Average unweighted Impulse time Sound Level over the interval

Marker	Measurement Description
LAF1.0%	Statistical marker, the A-weighted sound level that is exceeded 1% of the measured time
LAF5.0%	Statistical marker, the A-weighted sound level that is exceeded 5% of the measured time
LAF10.0%	Statistical marker, the A-weighted sound level that is exceeded 10% of the measured time
LAF50.0%	Statistical marker, the A-weighted sound level that is exceeded 50% of the measured time
LAF90.0%	Statistical marker, the A-weighted sound level that is exceeded 90% of the measured time
LAF95.0%	Statistical marker, the A-weighted sound level that is exceeded 95% of the measured time
LAF99.0%	Statistical marker, the A-weighted sound level that is exceeded 99% of the measured time
LAFT5eq-LAeq	Statistical marker, LAFT5eq minus LAeq
LAleq-LAeq	Statistical marker, LAleq minus LAeq
LCeq-LAeq	Statistical marker, LCeq minus LAeq
Low(eq/peak)	Audio Correction
Overload	Was the meter exposed to excessive sound in this second and forced to stop working to prevent damage
Pause	Was the meter paused at this time

List of Recorded Variables – Airborne Particulate Concentration

Marker	Measurement Description
PM10 mass 60s (ug/m3)	Time-weighted 1-minute average concentration of airborne particulate matter with a particle size of 10 micrometers or less in micrograms per cubic meter
PM10 mass 900s (ug/m3)	Time-weighted 15-minute average concentration of airborne particulate matter with a particle size of 10 micrometers or less in micrograms per cubic meter

List of Recorded Variables – Airborne Volatile Organic Compound Concentration

Marker	Measurement Description
VOC (ppm)	Instantaneous total volatile organic compound concentration in parts per million by volume
VOC - 15-min avg (ppm)	Time-weighted 15-minute average total volatile organic compound concentration in parts per million by volume

List of Recorded Variables – Sub-Surface Vibration

Marker	Measurement Description
VM01 LongPPV	Instantaneous longitudinal peak-to-peak vibration in inches per second.

Marker	Measurement Description
VM01 TranPPV	Instantaneous transverse peak-to-peak vibration in inches per second
VM01 VertPPV	Instantaneous vertical peak-to-peak vibration in inches per second