

PROJECT NAME: NYC BOROUGH BASED JAILS SYSTEM, MANHATTAN
FACILITY PROJECT

AGREEMENT NUMBER: 20258806440

PROJECT OWNER: NYC DEPARTMENT OF DESIGN & CONSTRUCTION

PREPARED BY: TUTOR PERINI CORPORATION/O&G



Plan History					
Rev.	SR	Issue Date	Description	TPC Approval	DDC Approval
00		5/20/2026	Environmental Monitoring Report – April 2026		
01		6/16/2026	Environmental Monitoring Report – April 2026		
02		6/25/2026	Environmental Monitoring Report – April 2026		

NOISE, VIBRATION & DUST MONITORING REPORT Number 003

DDC. Project ID:		BBJ-MN-FAC		Period Start: 04/01/26 End: 04/31/26	
Project Name:		Manhattan Borough-Based Jail Facility			
DDC Pin No.:		85025I8006KXL			
1) Community Noise Monitoring Monthly Summary					
Units to be determined (TBD) typically a weighted decibels (dBA) level					
Number of Workdays in a Month		Number of Noise Monitoring Days in a Month		Number of Days with Noise Levels above Action Levels by Month	
22		30		14	
Noise monitoring devices are active 24/7. During work hours noise levels are compared against the applicable action levels as noted below.					
Community Noise Monitoring Excursions and Corrective Actions					
Mondays - Fridays 7:00 am – 6:00pm: 85 dBA Leq					
Mondays - Fridays 6:00 pm – 7am: 75 dBA Leq					
Saturdays and Sundays: 75 dBA Leq					
Date		Leq 1hr Noise Reading before Corrective Action (DBA)		Leq 1hr Noise Reading after Corrective Action (DBA)	
972 - APR-02-NIGHT		82		N/A	
972 - APR-25-NIGHT		76.2		N/A	
972 - APR-25-NIGHT		79.5		N/A	
972 - APR-25-NIGHT		77.7		N/A	
972 - APR-26-NIGHT		83.1		N/A	

972 - APR-26-NIGHT	83.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
972 - APR-26-NIGHT	78.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
972 - APR-26-NIGHT	75.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
972 - APR-30-NIGHT	79.1	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-01-DAY	95	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-01-DAY	92	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-02-NIGHT	82	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-01-NIGHT	77	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-02-NIGHT	76	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-02-NIGHT	78	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-02-NIGHT	77	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-02-NIGHT	76	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-03-DAY	100	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed

			to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	93	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	94	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	91	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	89	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	88	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	86	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-DAY	87	N/A	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to background urban noise sources such as vehicular traffic and other off-site ambient conditions.
977 - APR-03-NIGHT	81	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.

977 - APR-03-NIGHT	79	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-03-NIGHT	78	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977 - APR-20-NIGHT	78	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
977-APR-21-NIGHT	79	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-02-NIGHT	84.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-05-DAY	86.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-05-DAY	86.3	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-05-DAY	86.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-05-DAY	87.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-11-NIGHT	77.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-11-NIGHT	77.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-22-NIGHT	78.6	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-23-NIGHT	76.7	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-DAY	85.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.

991-APR-25-DAY	91.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-DAY	91.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-DAY	91.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-DAY	92.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-NIGHT	91	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-NIGHT	92.7	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-NIGHT	89.3	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-25-NIGHT	90.5	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-26-NIGHT	92.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-26-NIGHT	88.4	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-26-NIGHT	79.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-26-NIGHT	77.8	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-29-NIGHT	78	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.

991-APR-30-NIGHT	90.1	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-30-NIGHT	88	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-30-NIGHT	89.2	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-30-NIGHT	90.1	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
991-APR-30-NIGHT	76.9	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
998-APR-13-DAY	95	N/A	This noise meter was powered down prior to and after this singular reading occurred. This reading is likely due to power issues on the device. Site work preparation and mobilization activities occurred across the project site on April 13, 2026. No noise monitoring equipment at any location recorded an exceedance during these activities.
998-APR-20-DAY	93	N/A	The construction team conducted work involving jackhammers, which resulted in elevated noise levels. Once the issue was identified, mitigation efforts were analyzed, and the subcontractor began implementing sound barriers and other appropriate noise control measures. Moving forward, all jackhammering and other high-noise activities will be performed with noise barriers in place to minimize impact.
998-APR-21-DAY	86	N/A	The construction team conducted work involving jackhammers, which resulted in elevated noise levels. Once the issue was identified, mitigation efforts were analyzed, and the subcontractor began implementing sound barriers and other appropriate noise control measures. Moving forward, all jackhammering and other high-noise activities will be performed with noise barriers in place to minimize impact.
998-APR-22-DAY	88	N/A	The construction team conducted work involving jackhammers, which resulted in elevated noise levels. Once the issue was identified, mitigation efforts were

			analyzed, and the subcontractor began implementing sound barriers and other appropriate noise control measures. Moving forward, all jackhammering and other high-noise activities will be performed with noise barriers in place to minimize impact.
998-APR-22-DAY	91	N/A	The construction team conducted work involving jackhammers, which resulted in elevated noise levels. Once the issue was identified, mitigation efforts were analyzed, and the subcontractor began implementing sound barriers and other appropriate noise control measures. Moving forward, all jackhammering and other high-noise activities will be performed with noise barriers in place to minimize impact.
998-APR-23-NIGHT	76	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
998-APR-23-DAY	86	82	Based on a review of site operations, construction activities were not the dominant contributor to the exceedance. The exceedance was primarily attributed to early temp SOE work & background urban noise sources such as vehicular traffic and other off-site ambient conditions. Sound barriers installation along Baxter Street were completed on this day.
998-APR-25-NIGHT	76	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
998-APR-26-NIGHT	76	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
998-APR-26-NIGHT	85	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.
998-APR-29-NIGHT	77	N/A	TPOG was not on site at the time, and the exceedance was not related to construction activities.

Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During April 2026, four noise monitoring devices were operational at the project site, continuously recording construction-related noise levels in decibels (dBA). For several days, monitoring devices experienced outages due to power loss, resulting in some inconsistencies in the data for the month. The monitoring contractor maintains an on-site technician responsible for the maintenance and calibration of these devices.

Periods where the monitoring graphs display a constant flat or horizontal line represent times when the monitors experienced power loss or inactivity. All noise monitoring devices are inspected daily and calibrated weekly to maintain accuracy.

Between April 20, 2026, and April 22, 2026, four noise exceedances occurred due to construction-related activities. Additional readings approached the allowable limit but did not exceed it. During this period, the construction team performed demolition activities involving jackhammering. These activities occurred during the reported timeframes, and noise barriers should have been in place.

Once the elevated noise levels were identified, mitigation efforts were analyzed, and the subcontractor was directed to implement appropriate noise control measures, including the installation of sound barriers to reduce impacts.

The construction team has since installed sound barriers along the construction fence on Baxter Street and Centre Street, as well as implementing localized sound barriers at noise-generating activities. Since implementing these measures, noise levels have dropped significantly. Moving forward, jackhammering and secant pile drilling activities will be performed with noise barriers in place.

2) Community Vibration Monitoring Monthly Summary

Units inches per second (in/sec)

Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Construction Vibration Levels above Stop Work Levels by Month	Comments
22	30	4	No action required. Vibration caused by exercise equipment and free weights.

Community Vibration Monitoring Excursions and Corrective Actions

Alert Level = 0.25 in/sec

Stop Work Level = 0.5 in/sec

Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
APR 1 - R19	0.73	N/A	No action required. Vibration caused by exercise equipment and free weights.
APR 5 – R19	0.591	N/A	No action required. Vibration caused by exercise equipment and free weights.
APR 19 – R19	0.528	N/A	No action required. Vibration caused by exercise equipment and free weights.
APR 15 – R05	0.971	N/A	During the exceedance, Early temp SOE work was performed near Monitor R06, which did not register any alerts or exceedances. Monitor R04 also showed no exceedance. A site visit by the Engineer of Record on April 23, 2026, identified no issues in the area.

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

During the month of April 2026, fifteen vibration monitoring devices were in continuous operation at the project site recording construction-related vibration levels in units of (in/sec).

Four stop work exceedances occurred in April 2026. Vibration monitor R19 installed at 100 Centre St is in an area known for elevated vibration levels primarily caused by exercise equipment and free weights. This monitor will be relocated in the month of May.

Monitor R05 at Chung Pak recorded a single exceedance on April 15, 2026, while the other monitors in the same building (R04 and R06) did not register any stop-work exceedances. Early temp SOE Work was occurring near Monitor R06 at the time without triggering an exceedance. Following identification of the event, the Engineer of Record inspected the installation and surrounding area on April 23, 2026, and found no issues. The exceedance at R05 may be attributed to vibration or external environmental factors at the installation location.

The R17 vibration monitor at 100 Centre Street was temporarily offline from April 17th to May 21st due to a modem failure. The modem was replaced on May 21, 2026. A Vibranalysis site representative was present during the outage and collected raw data directly at the device location. Review of the raw data indicates that no vibration exceedances occurred during this period for the month.

3) Community Dust Monitoring Monthly Summary

TWA – Time Weighted Average

ug/m³ – micrograms per cubic meter

Number of Workdays in a Month	Number of Dust Monitoring Days in a Month	Number of Days with Dust Concentrations above Action Concentrations by Month	Comments
22	30	0	Dust Monitoring was performed during work hours.

Community Air Monitoring Excursions and Corrective ActionsAction Concentration = 100 ug/m³ 15 minute TWA above background concentrationStop Work Concentration = 150 ug/m³ 15 minute TWA above background concentration

Date: Time	Maximum Dust Reading before Corrective Action 15 Minute TWA (ug/m ³)	Maximum Dust Reading after Corrective Action 15 Minute TWA (ug/m ³)	Corrective Action
N/A	N/A	N/A	N/A

Narrative Summary of Dust Monitoring, Excursions and Corrective Actions:

During the month of April 2026, a total of Six (6) dust monitoring devices were in operation at the project site recording construction-related levels of Particulate Matter₁₀ (PM₁₀)

From April 1 to April 28 the monitoring devices were active during all working hours, including weekends. For few days during this month, the data was not recorded due to battery depletion in the monitoring devices. The equipment was promptly restored to service following battery replacement and resumed normal operation thereafter.

No stop work level exceedances took place this month.

4) Monitoring Well Monthly Summary

Unit is measured in 'feet'

Number of Workdays in a Month	Number of Monitoring Days in a Month	Number of Days with Exceedances above Action Concentrations by Month	Comments
22	0	0	Monitoring wells are not installed on site. Therefore, there are no readings

Community Monitoring Well Excursions and Corrective Actions

Alert Level = 2.0 Feet

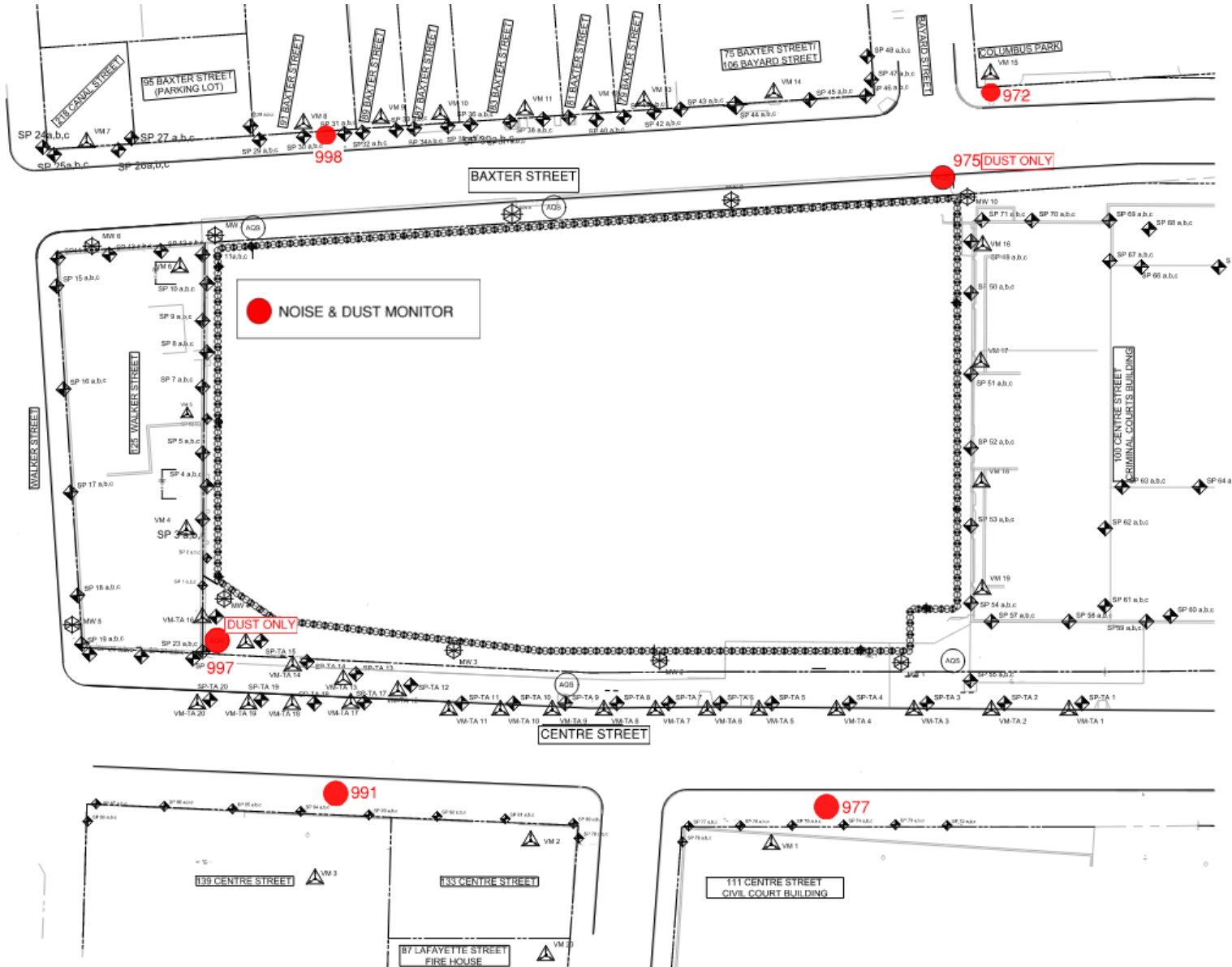
Stop Work Level = 5.0 Feet

Date: Time	Maximum Level before Corrective Action (feet)	Maximum Level after Corrective Action (feet)	Corrective Action
N/A	N/A	N/A	N/A

Narrative Summary of Monitoring Well, Excursions and Corrective Actions:

Groundwater monitoring wells are not required at this time and have not been installed to date; therefore, no monitoring data is currently available.

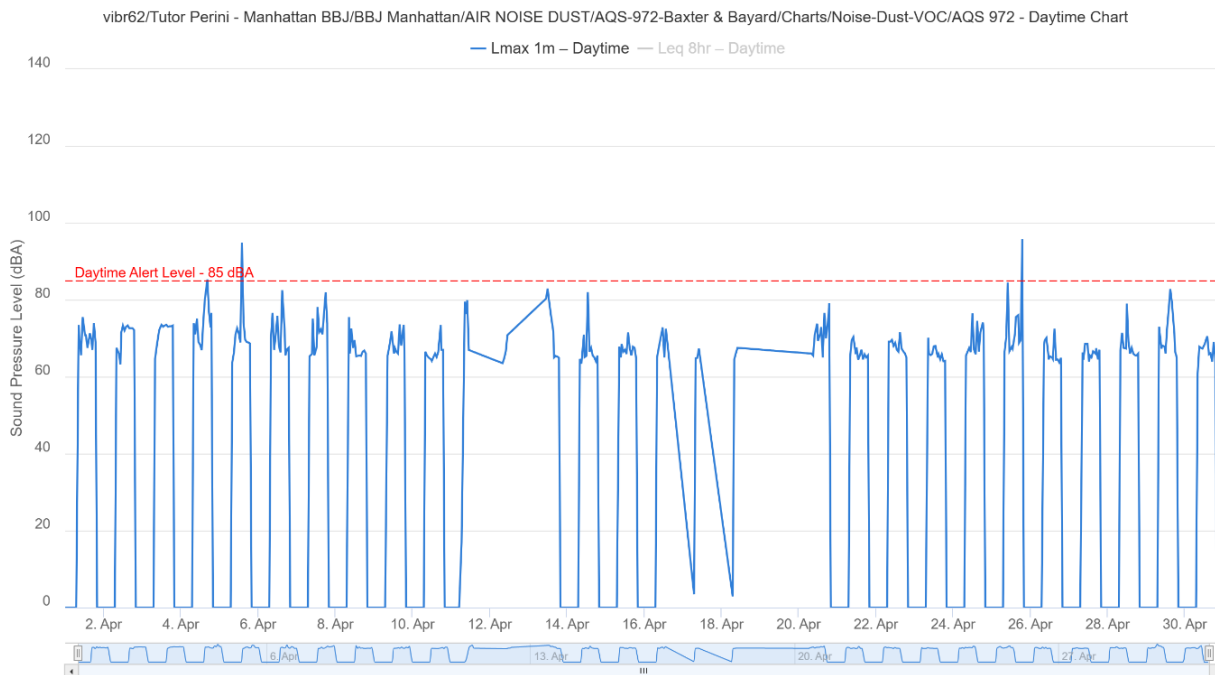
NOISE METER LOCATIONS



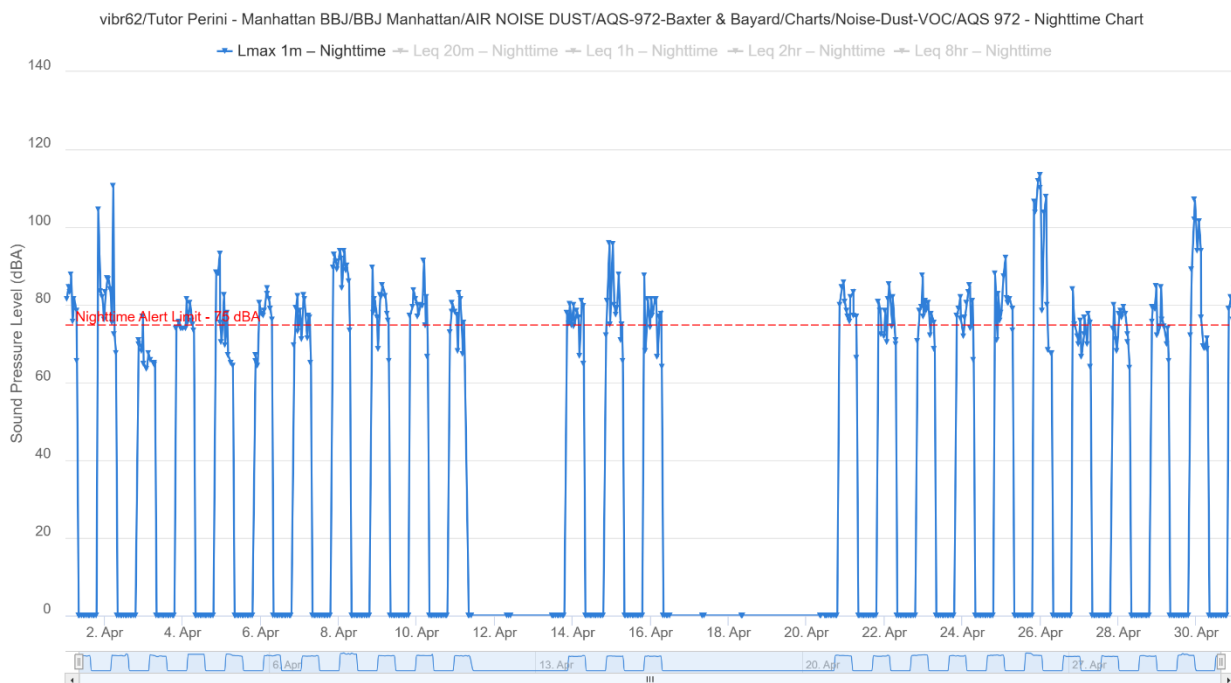
NOISE GRAPHS

Device #975 – Noise Monitoring Station

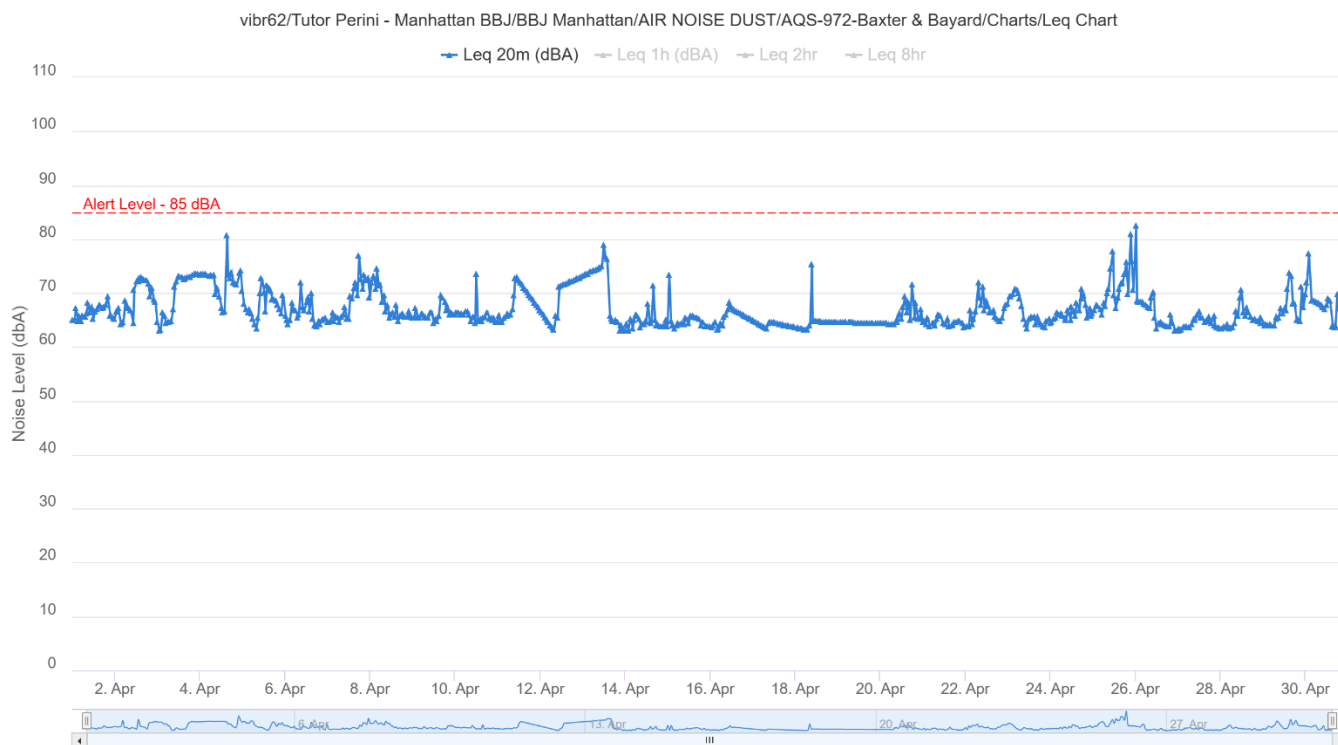
Noise Monitoring Station #972 Lmax – Daytime



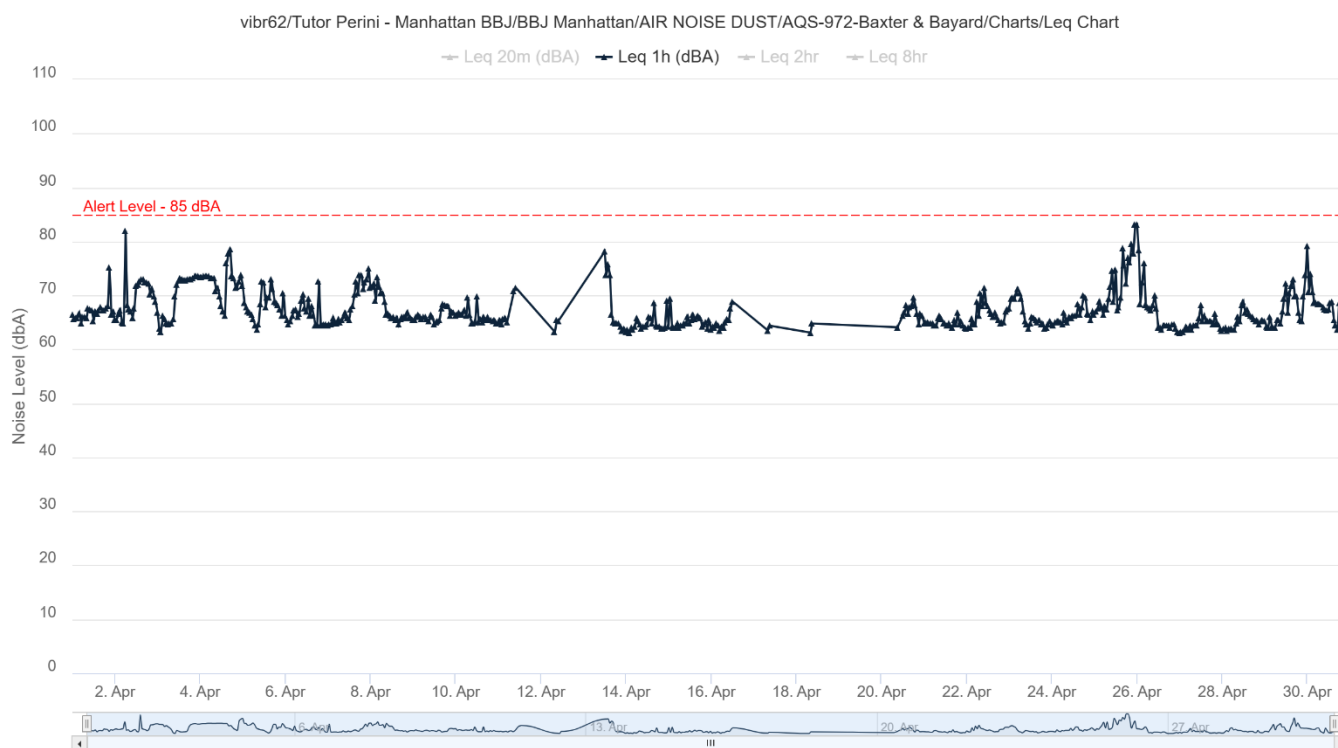
Noise Monitoring Station #972 Lmax – Nighttime



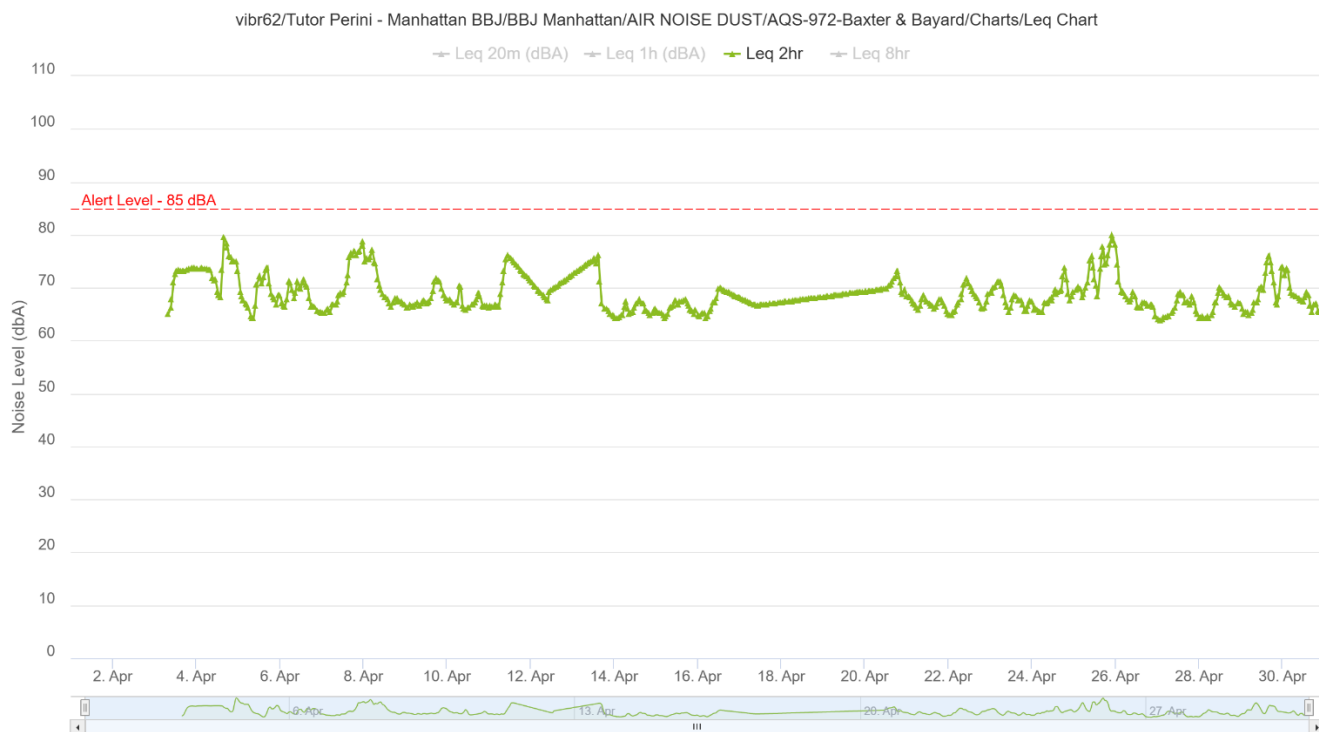
Noise Monitoring Station #972 Leq – 20 minute



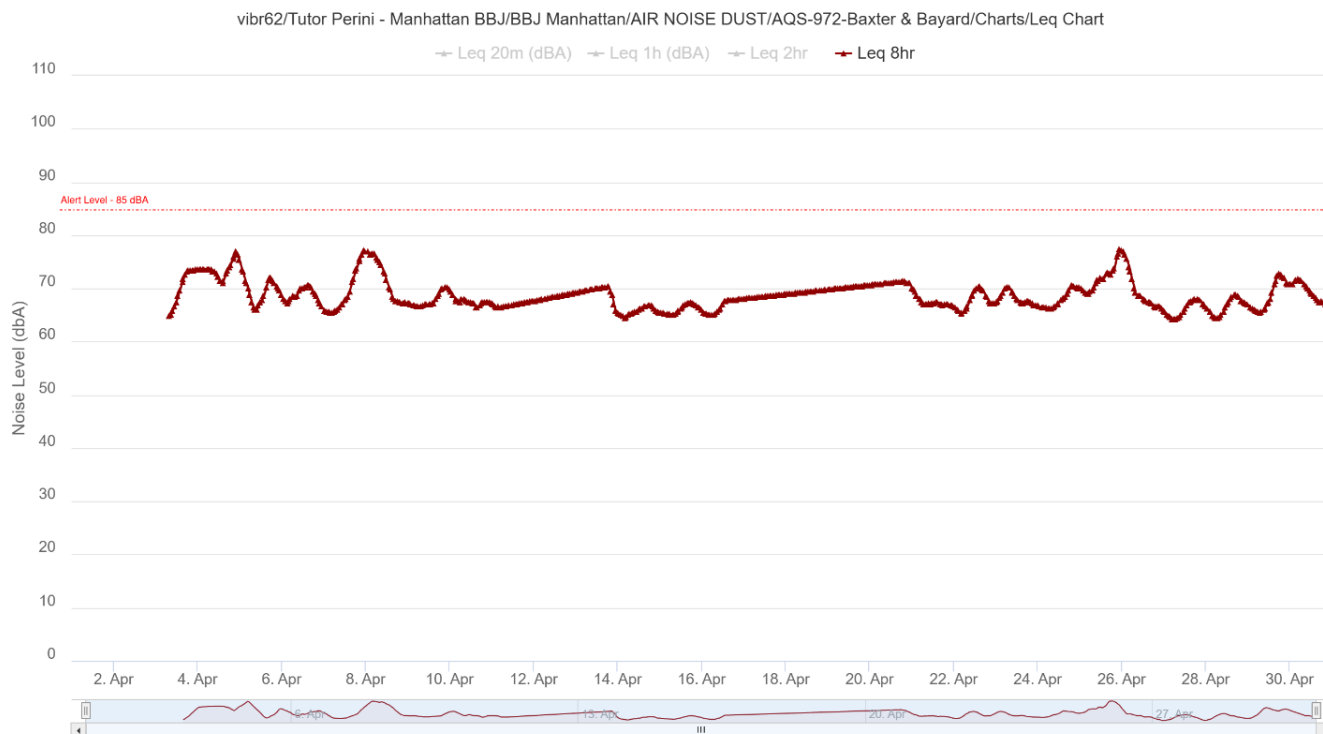
Noise Monitoring Station #972 Leq – 1 hour



Noise Monitoring Station #972 Leq – 2 hour

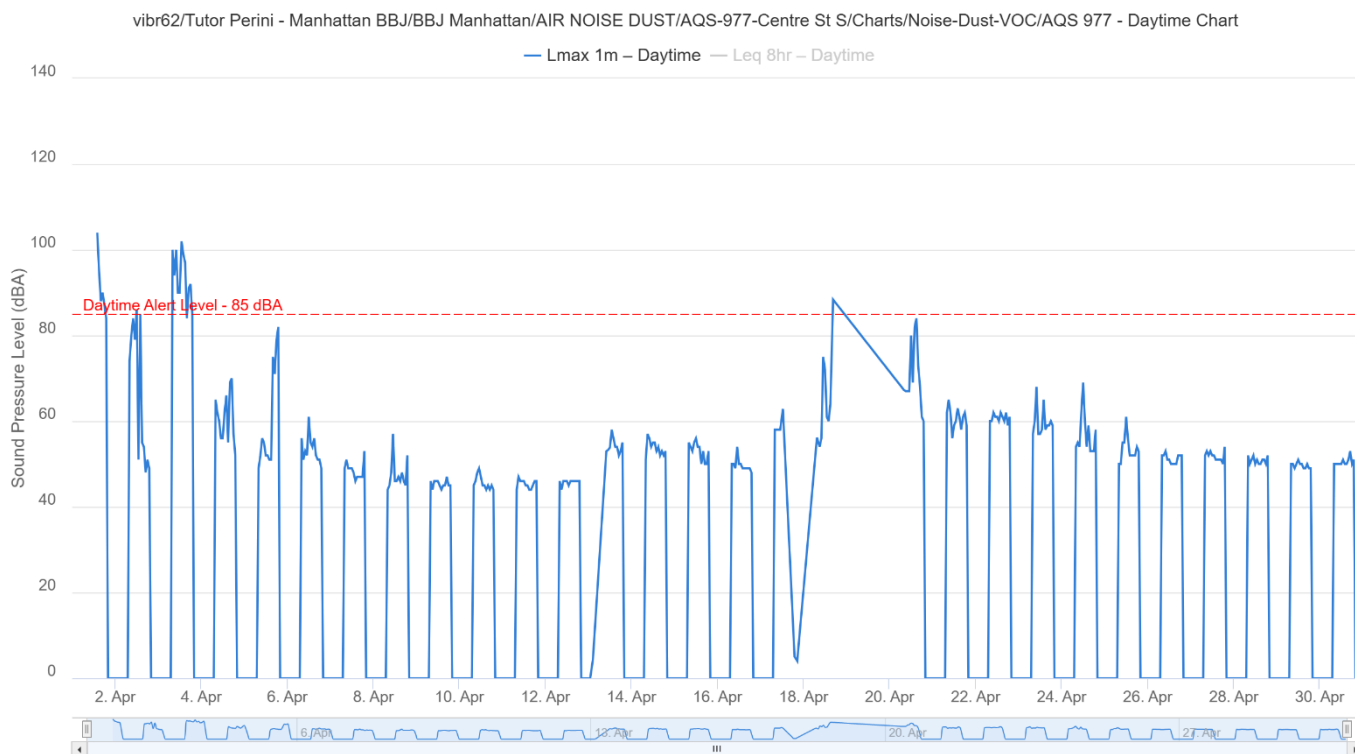


Noise Monitoring Station #972 Leq – 8 hour

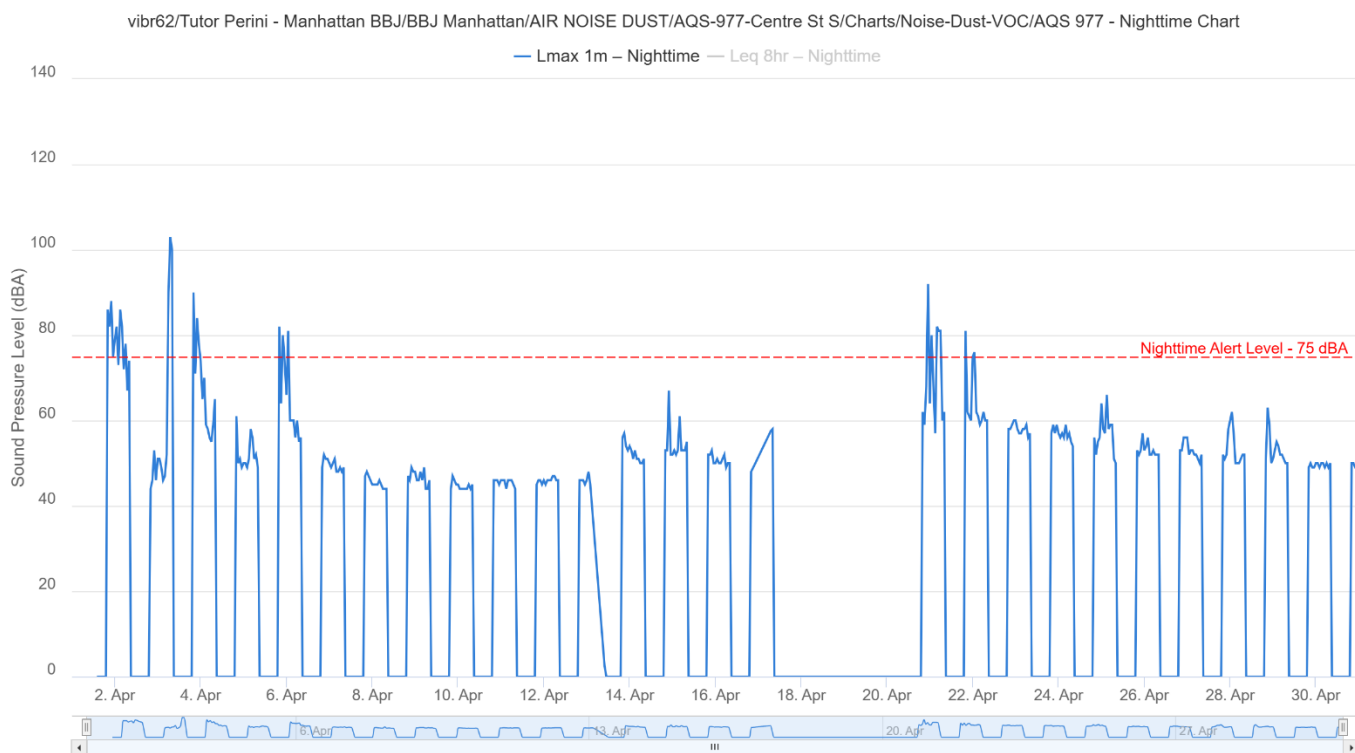


Device #977 – Noise Monitoring Station

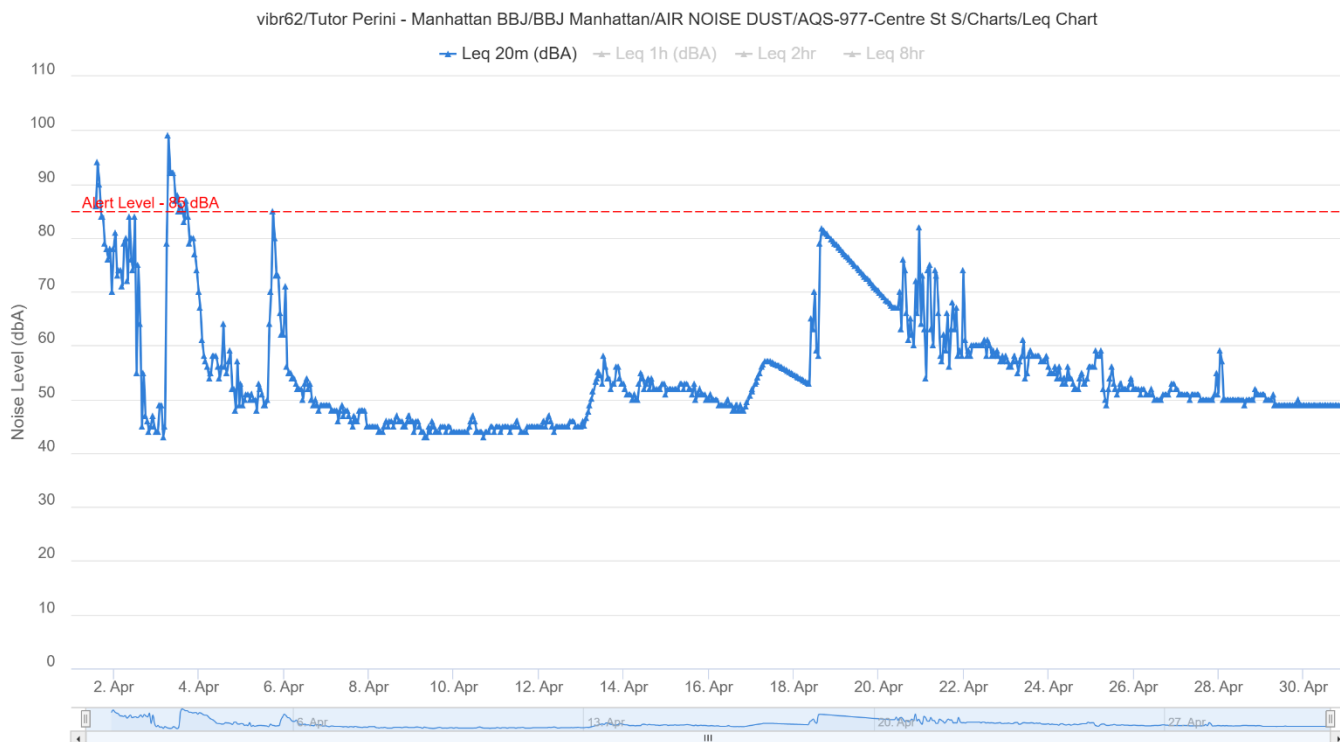
Noise Monitoring Station #977 Lmax - Daytime



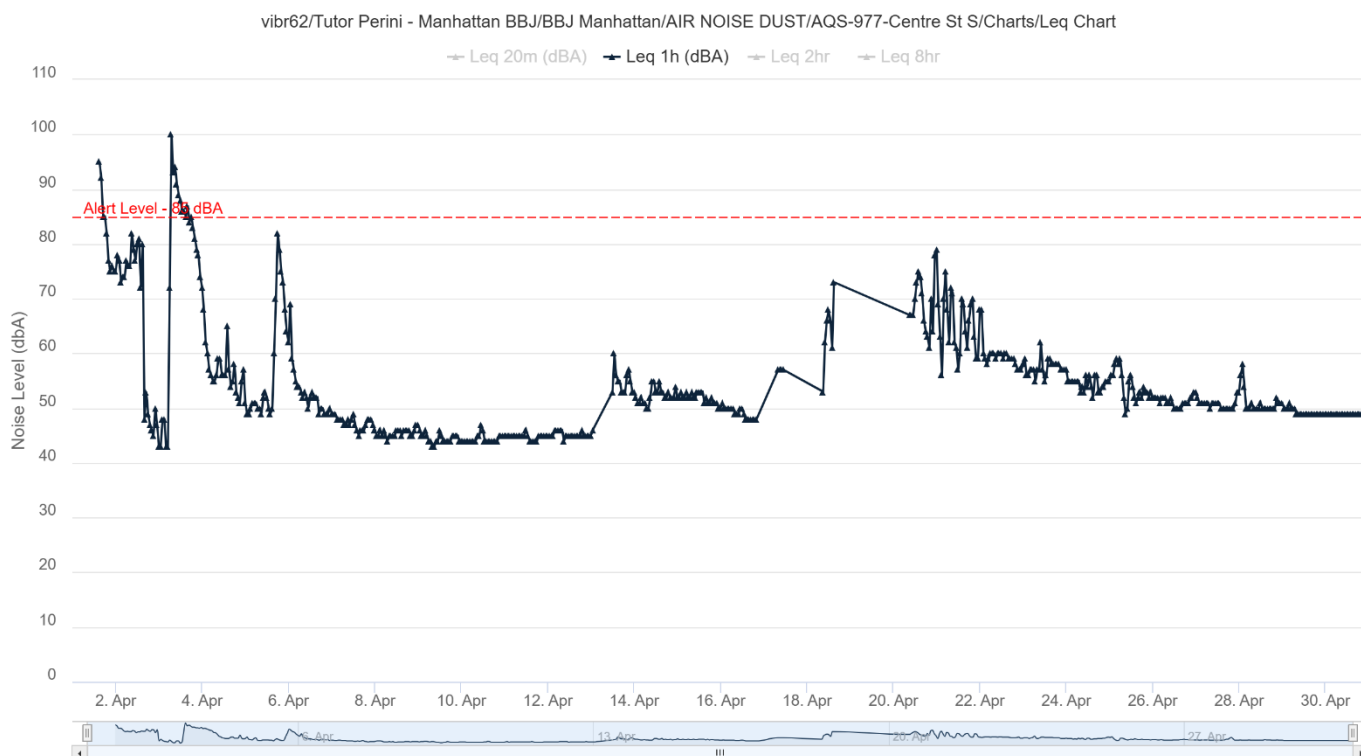
Noise Monitoring Station #977 Lmax - Nighttime



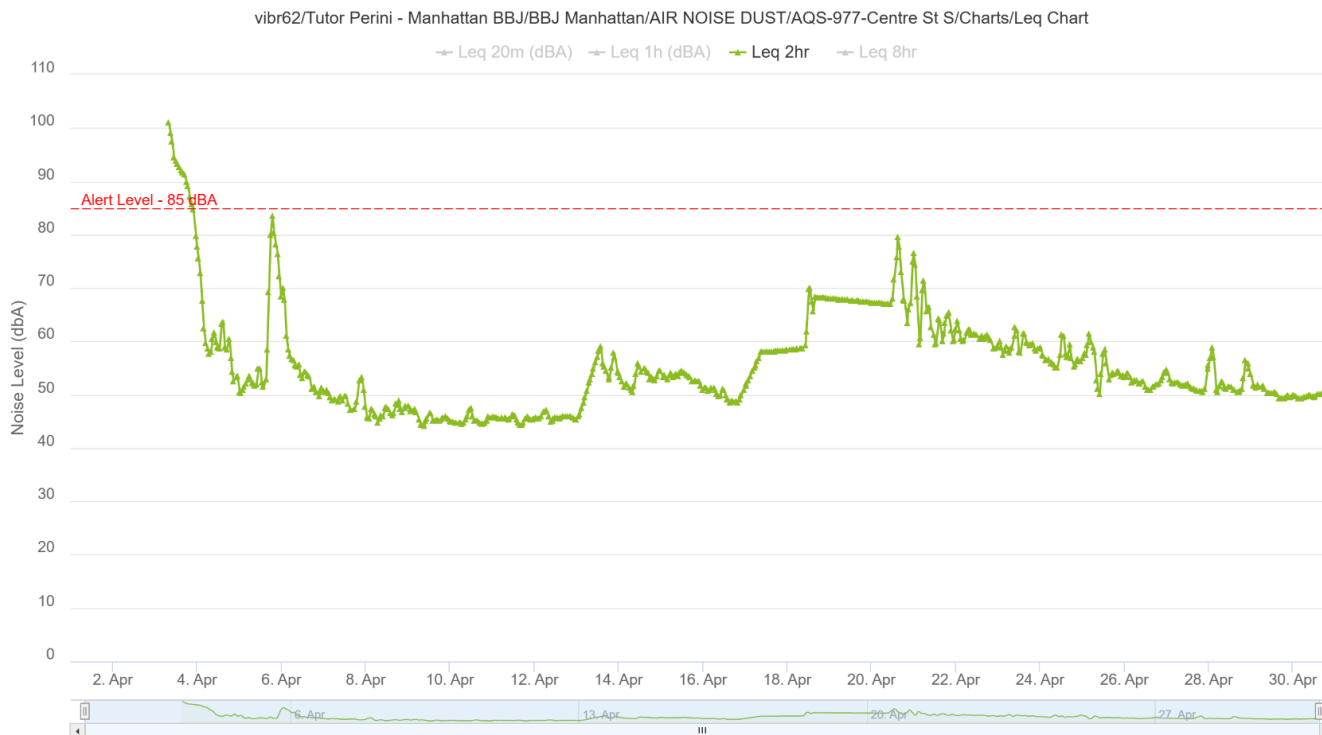
Noise Monitoring Station #977 Leq – 20minute



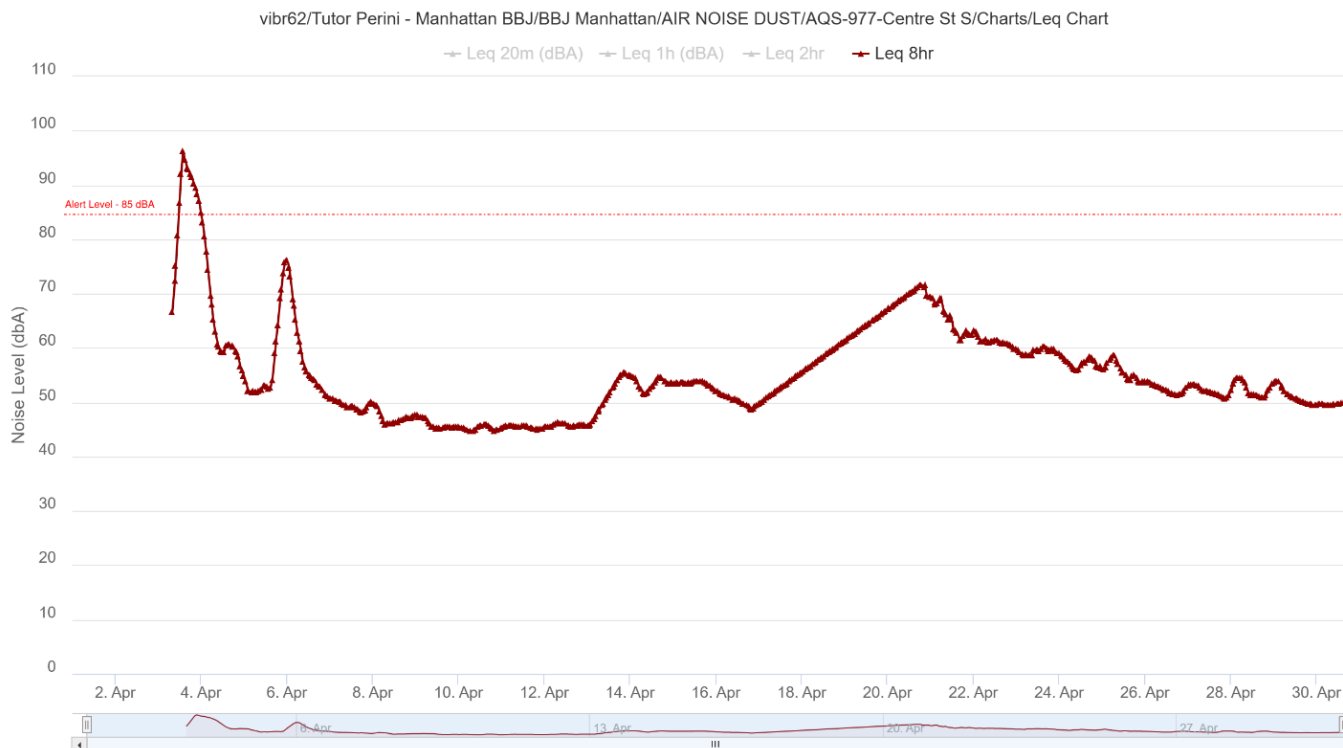
Noise Monitoring Station #997 Leq – 1 hour

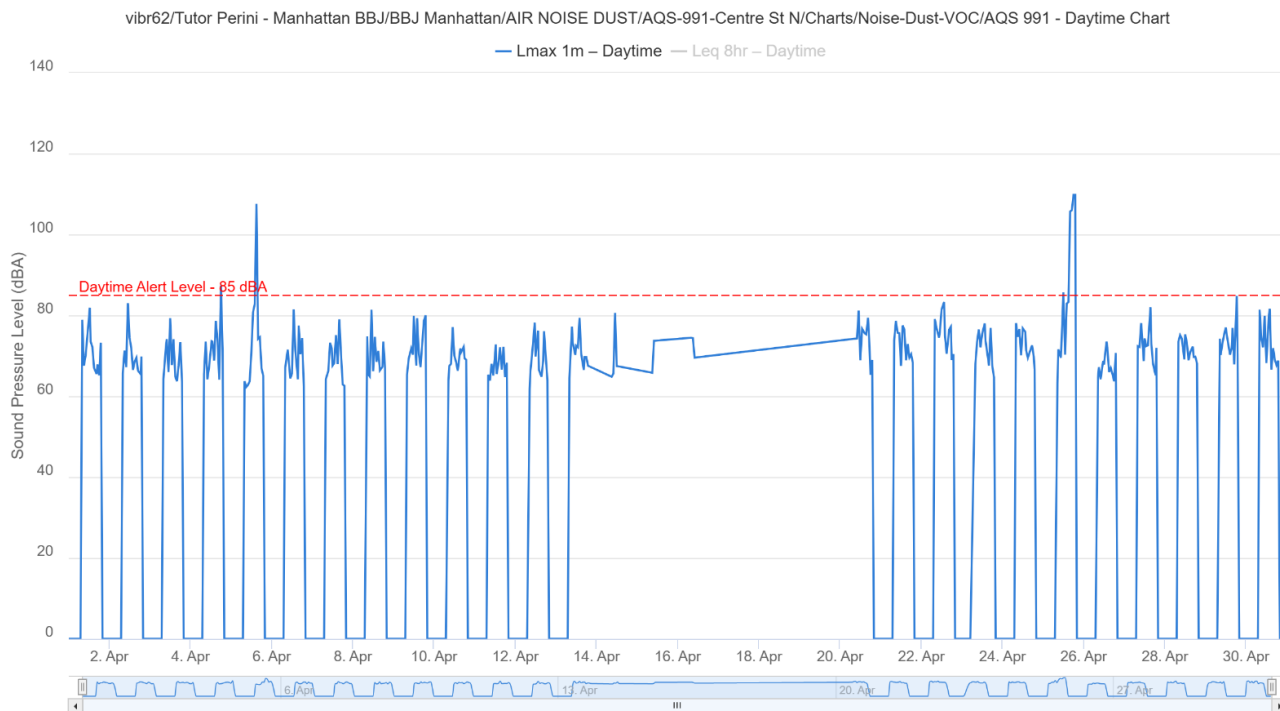
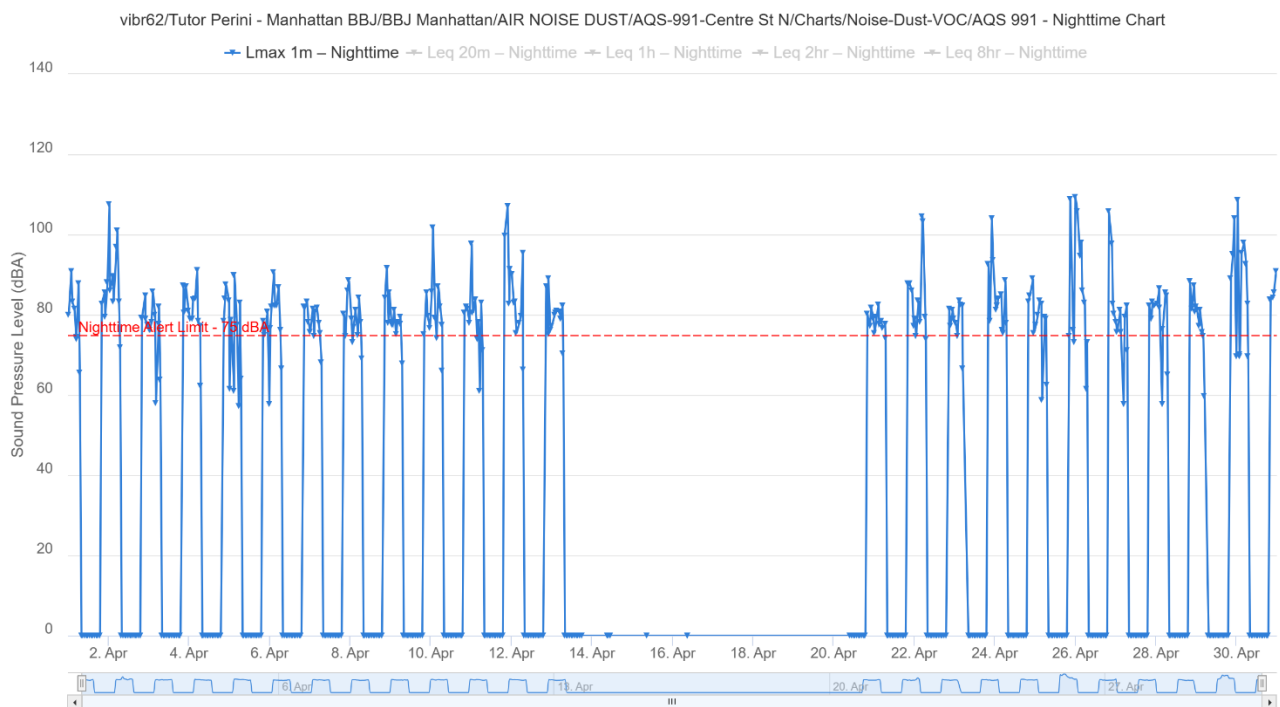


Noise Monitoring Station #977 Leq – 2 hour

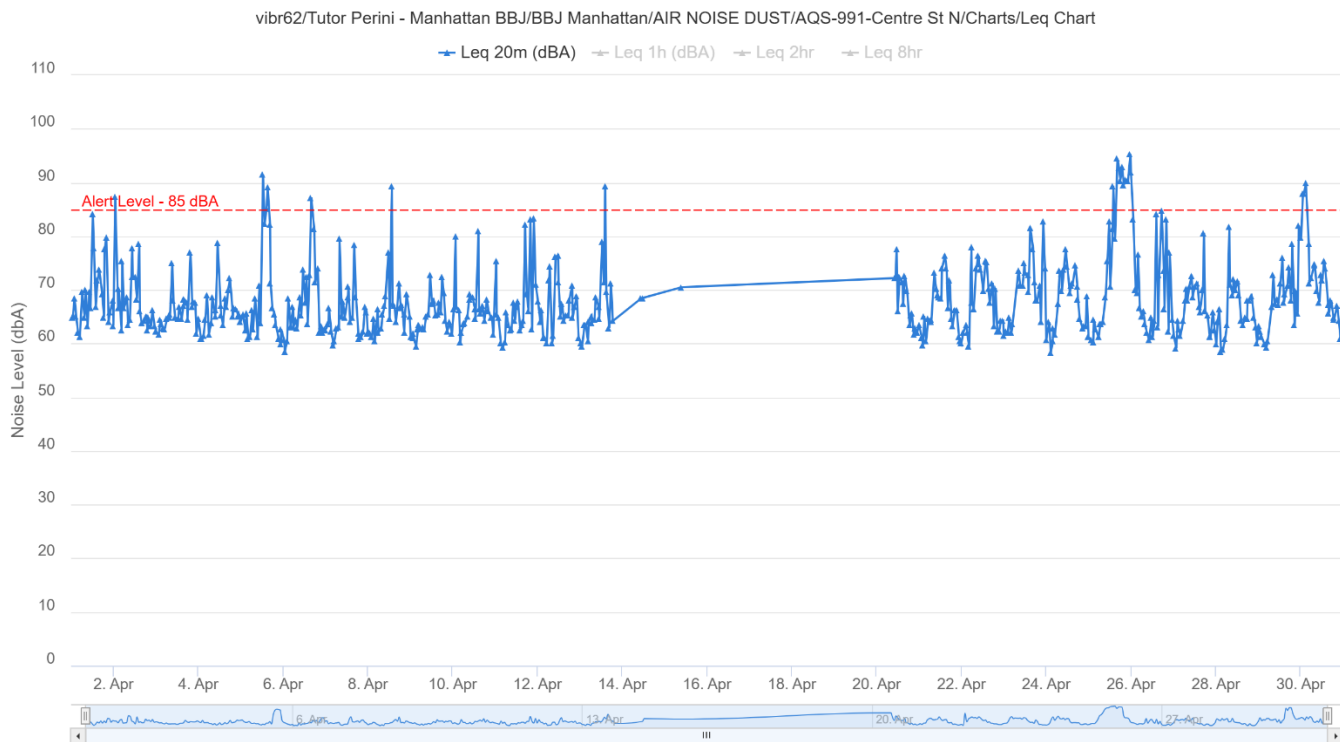


Noise Monitoring Station #977 Leq – 8 hour

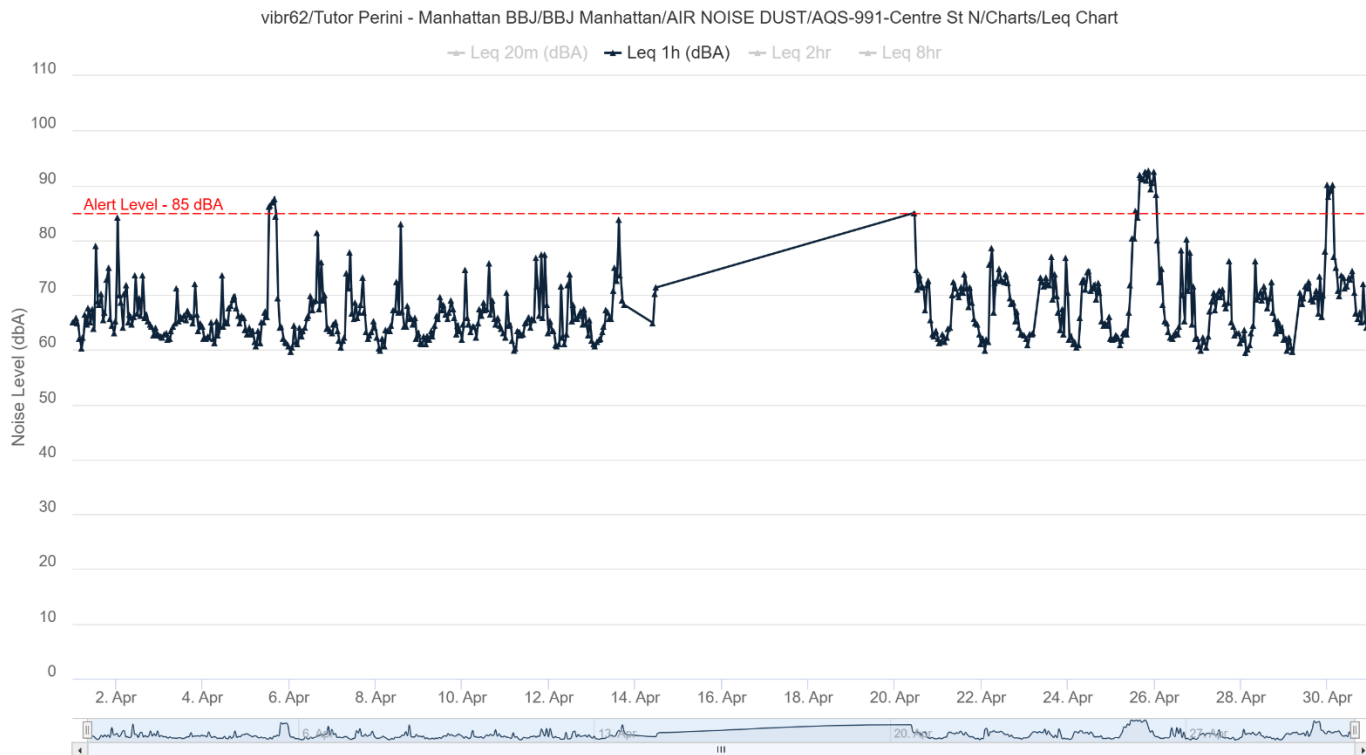


Device #991 – Noise Monitoring Station**Noise Monitoring Station #991 Lmax - Daytime****Noise Monitoring Station #991 Lmax – Nighttime**

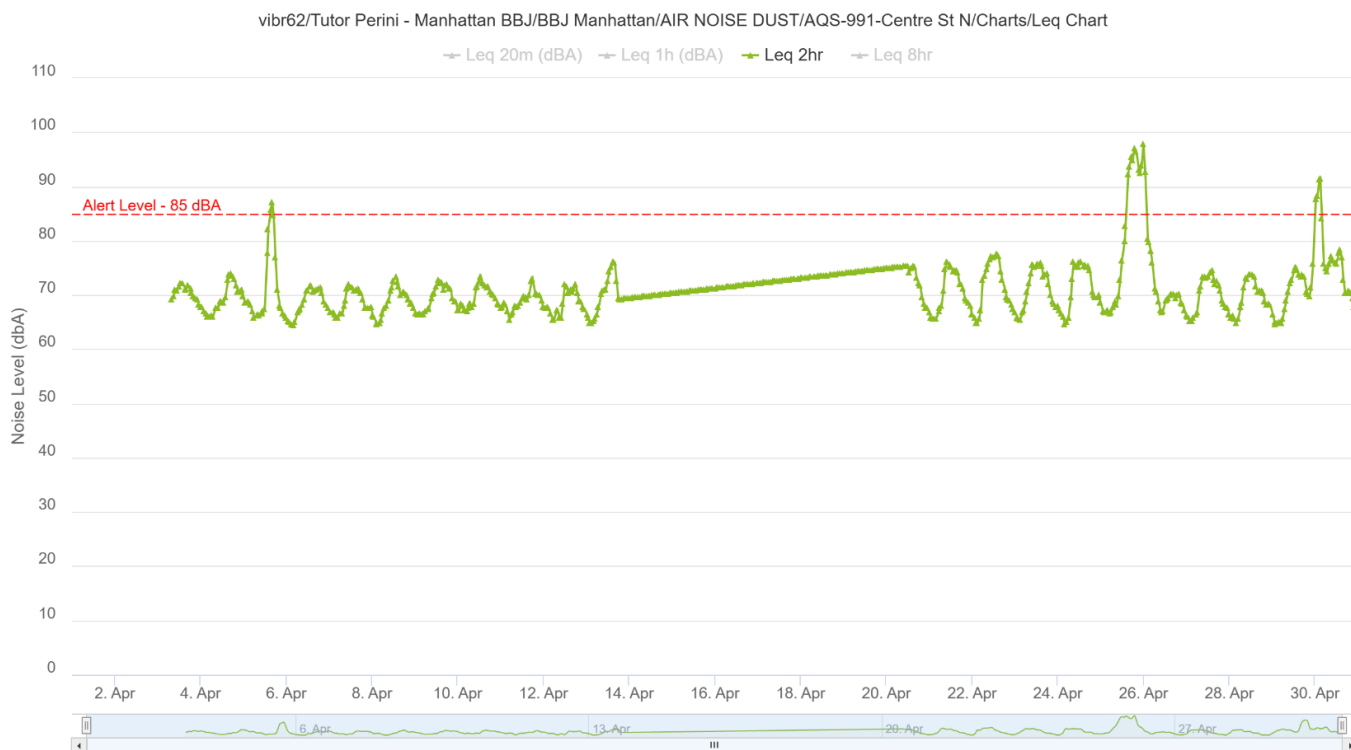
Noise Monitoring Station #991 Leq – 20minute



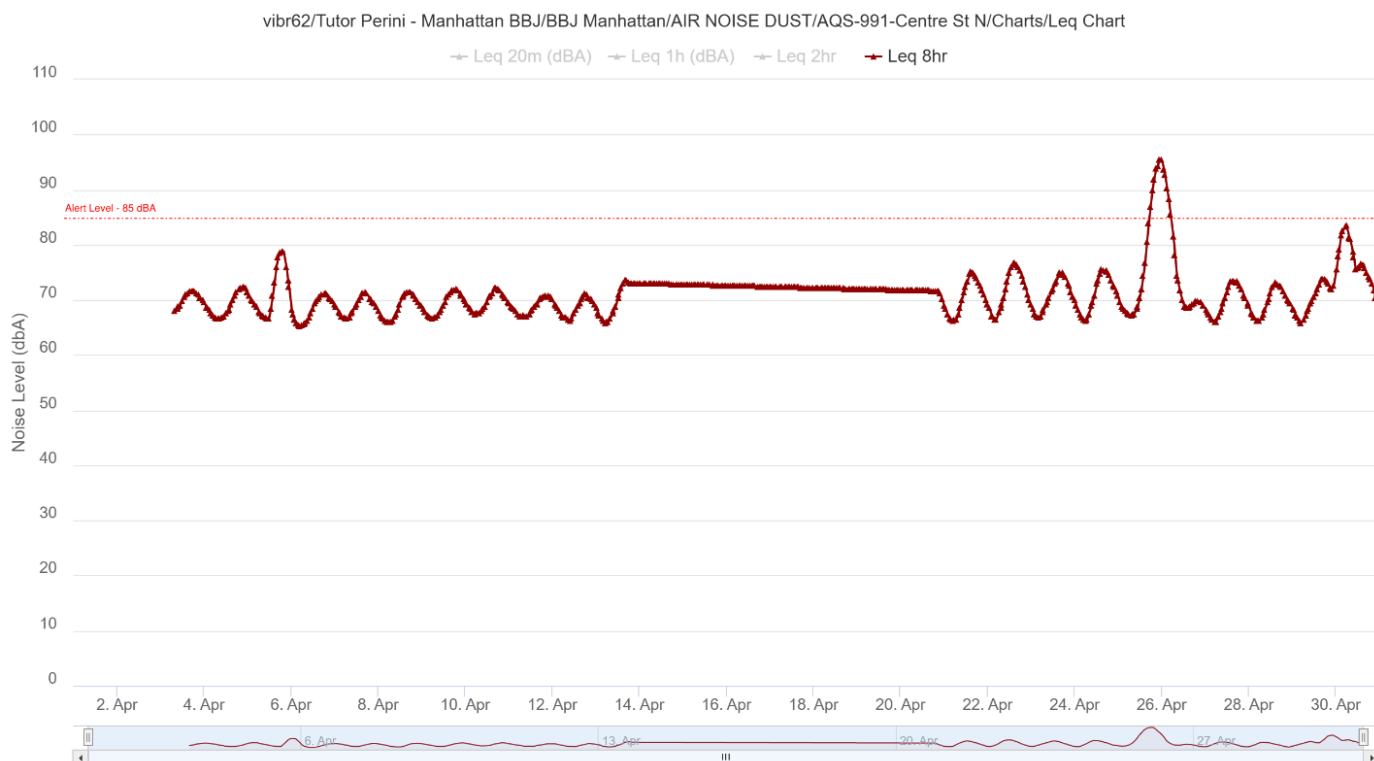
Noise Monitoring Station #991 Leq – 1 hour

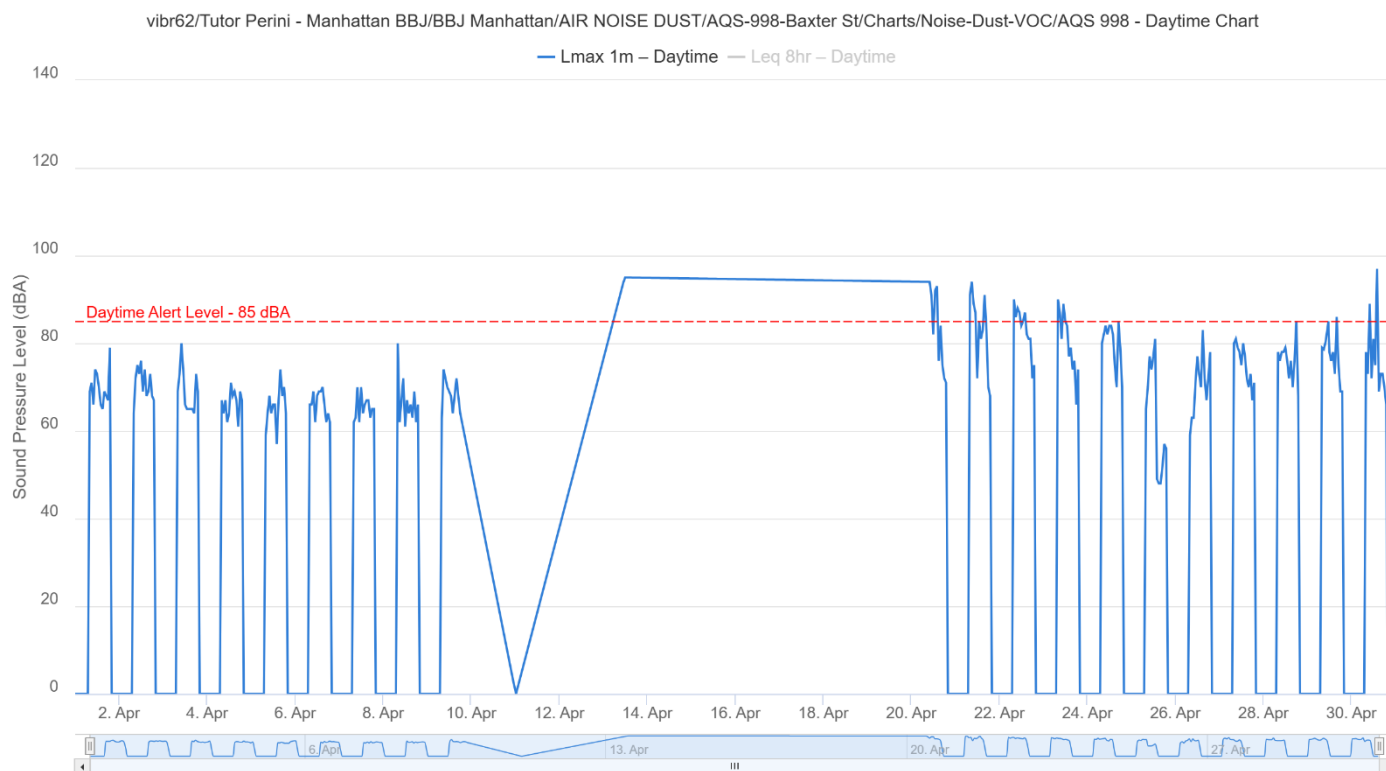
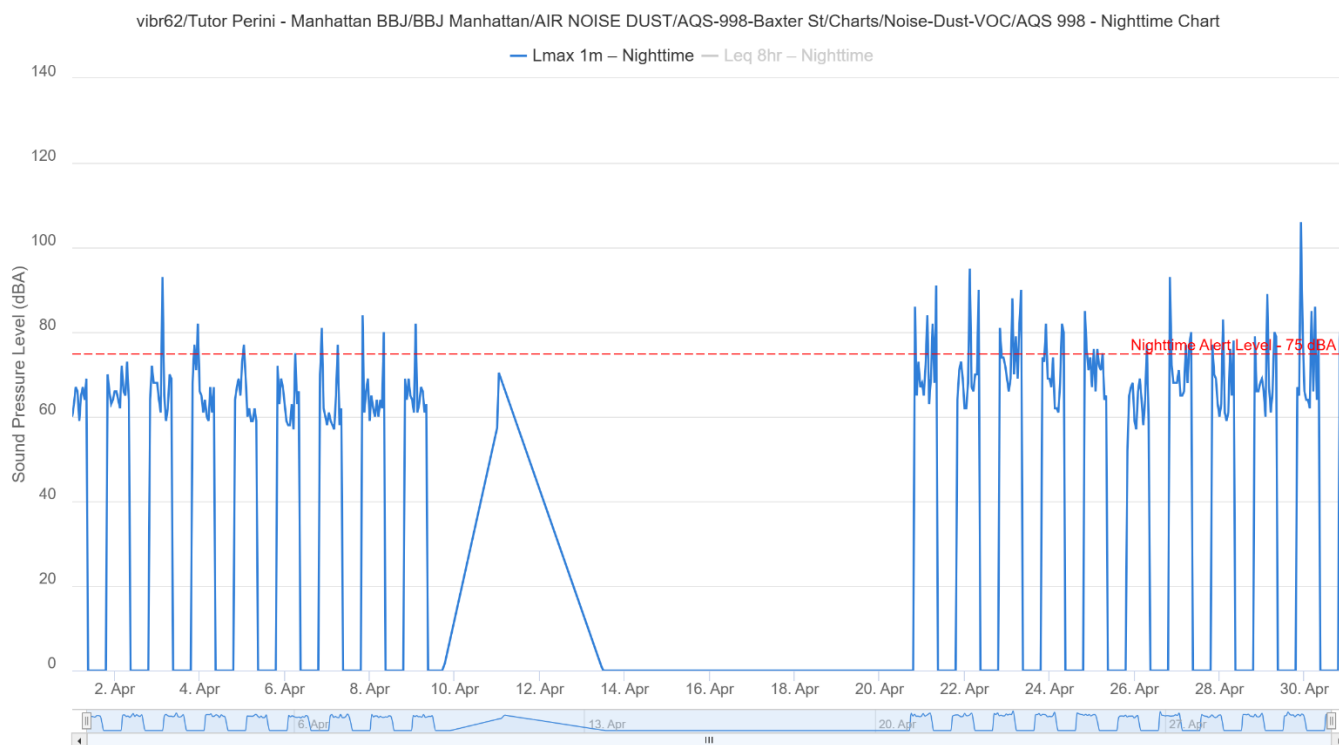


Noise Monitoring Station #991 Leq – 2 hour

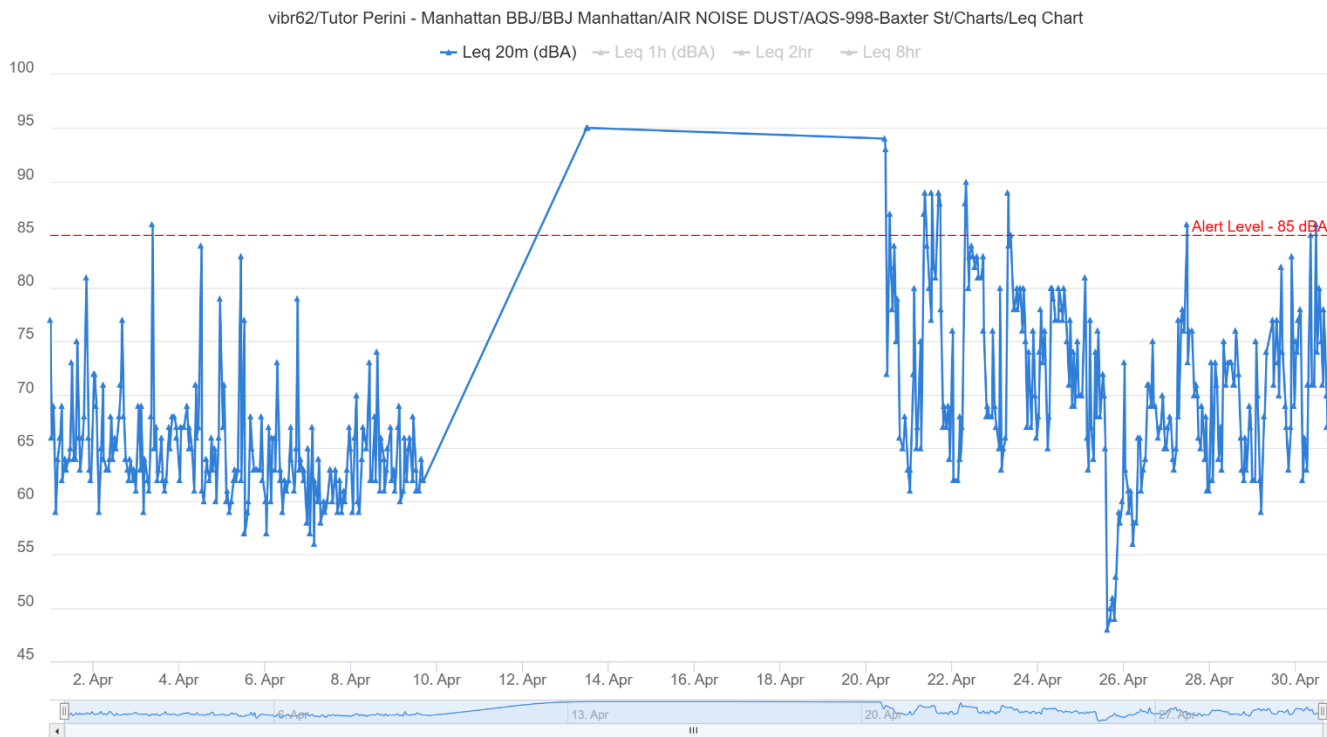


Noise Monitoring Station #991 Leq – 8 hour

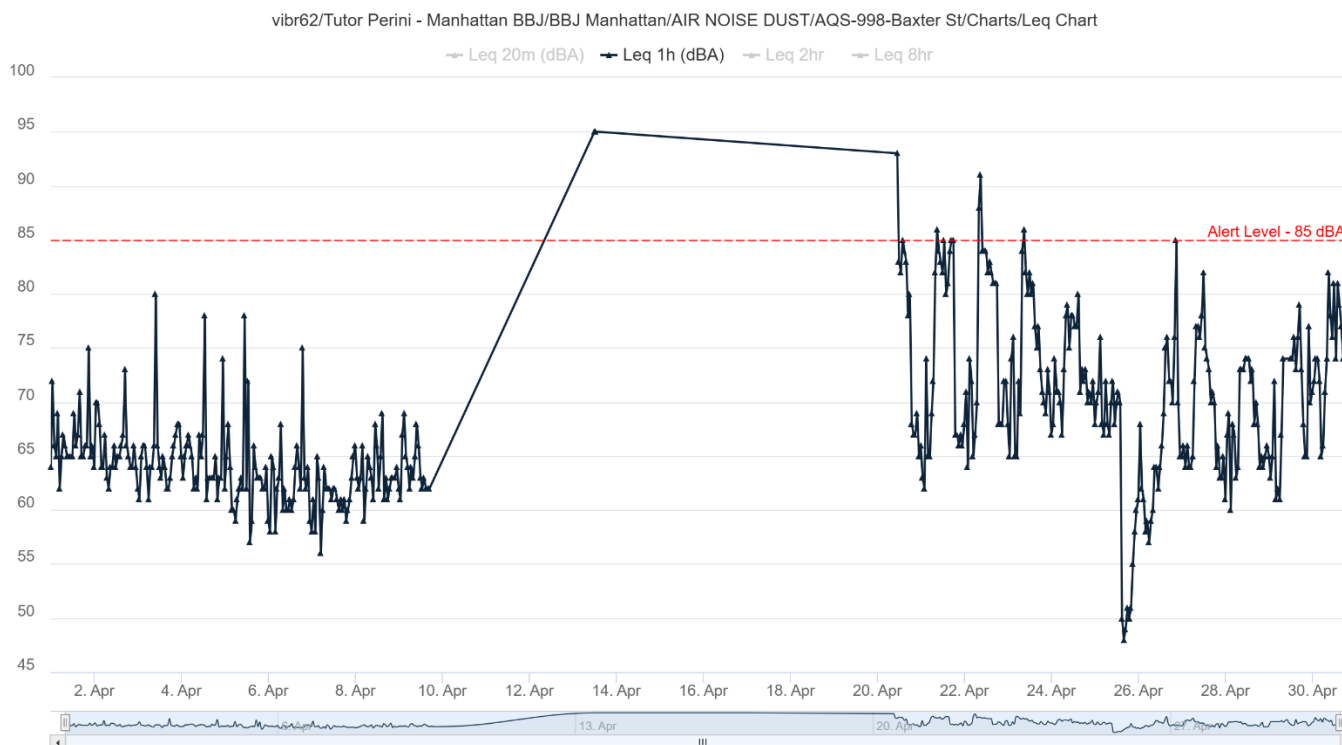


Device #998 – Noise Monitoring Station**Noise Monitoring Station #998 Lmax - Daytime****Noise Monitoring Station #998 Lmax – Nighttime**

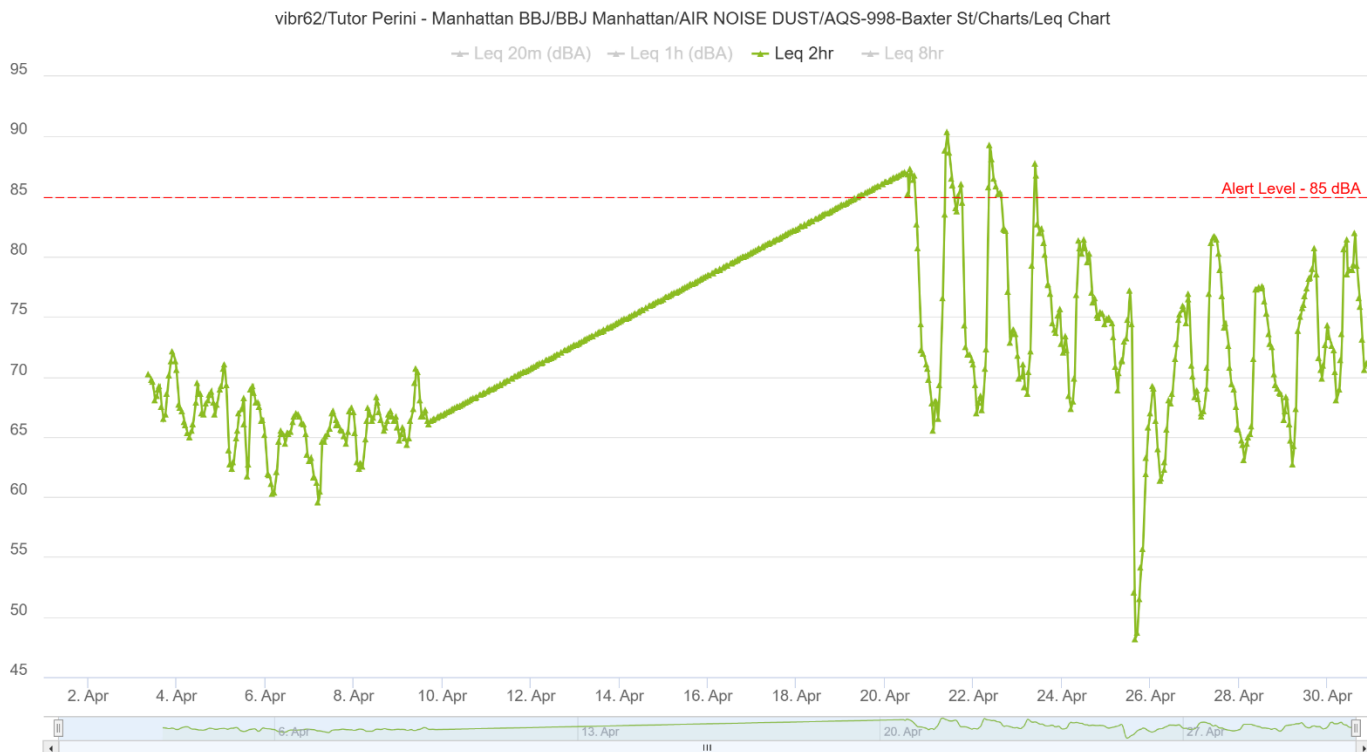
Noise Monitoring Station #998 Leq – 20minute



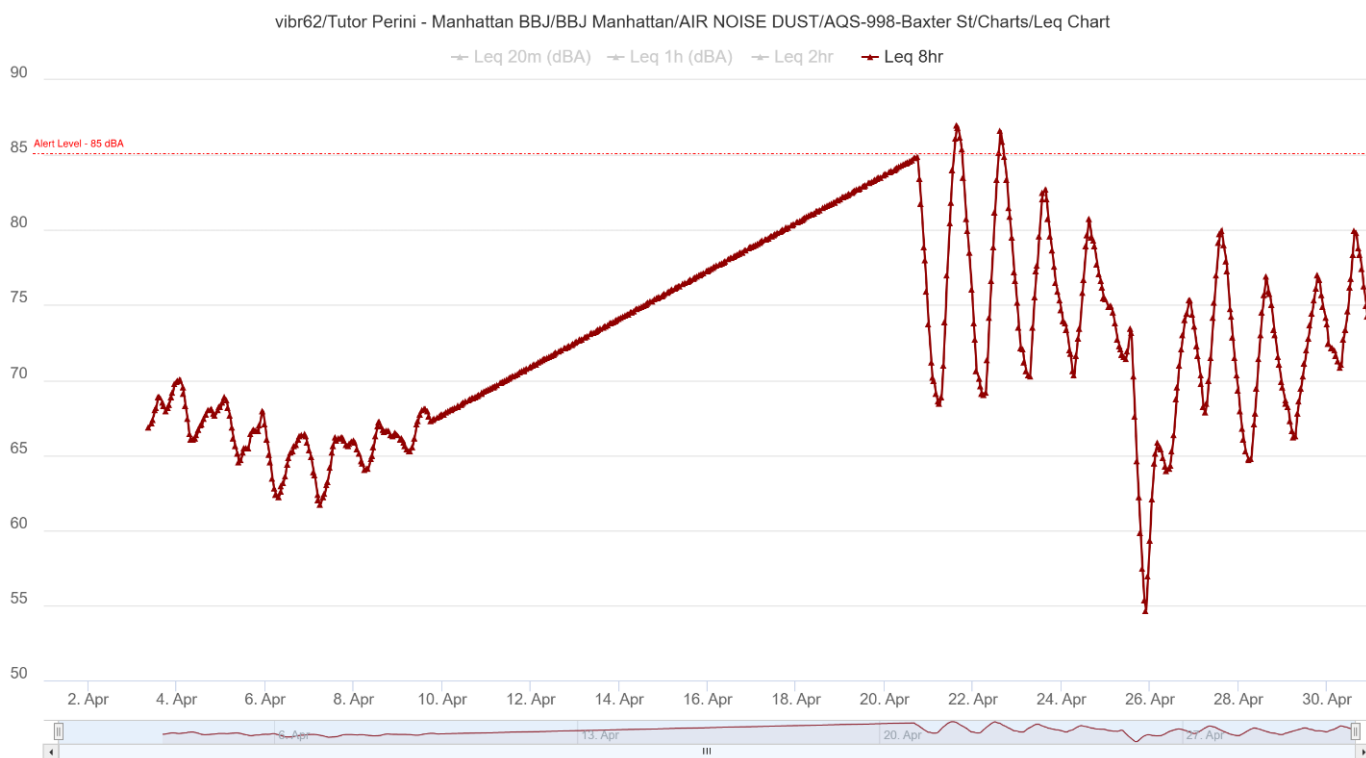
Noise Monitoring Station #998 Leq – 1 hour



Noise Monitoring Station #998 Leq – 2 hour



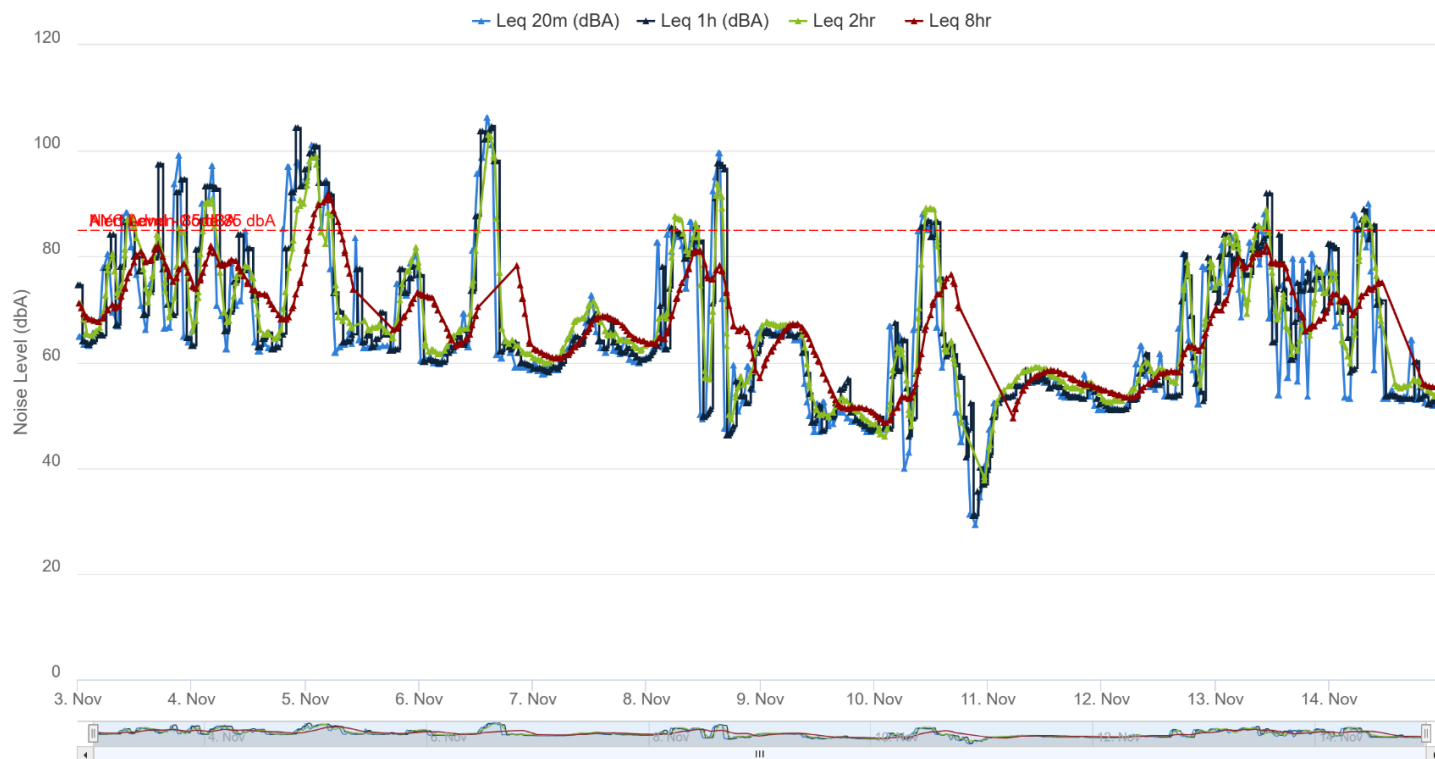
Noise Monitoring Station #998 Leq – 8 hour



Noise Baseline**Leq Baseline**

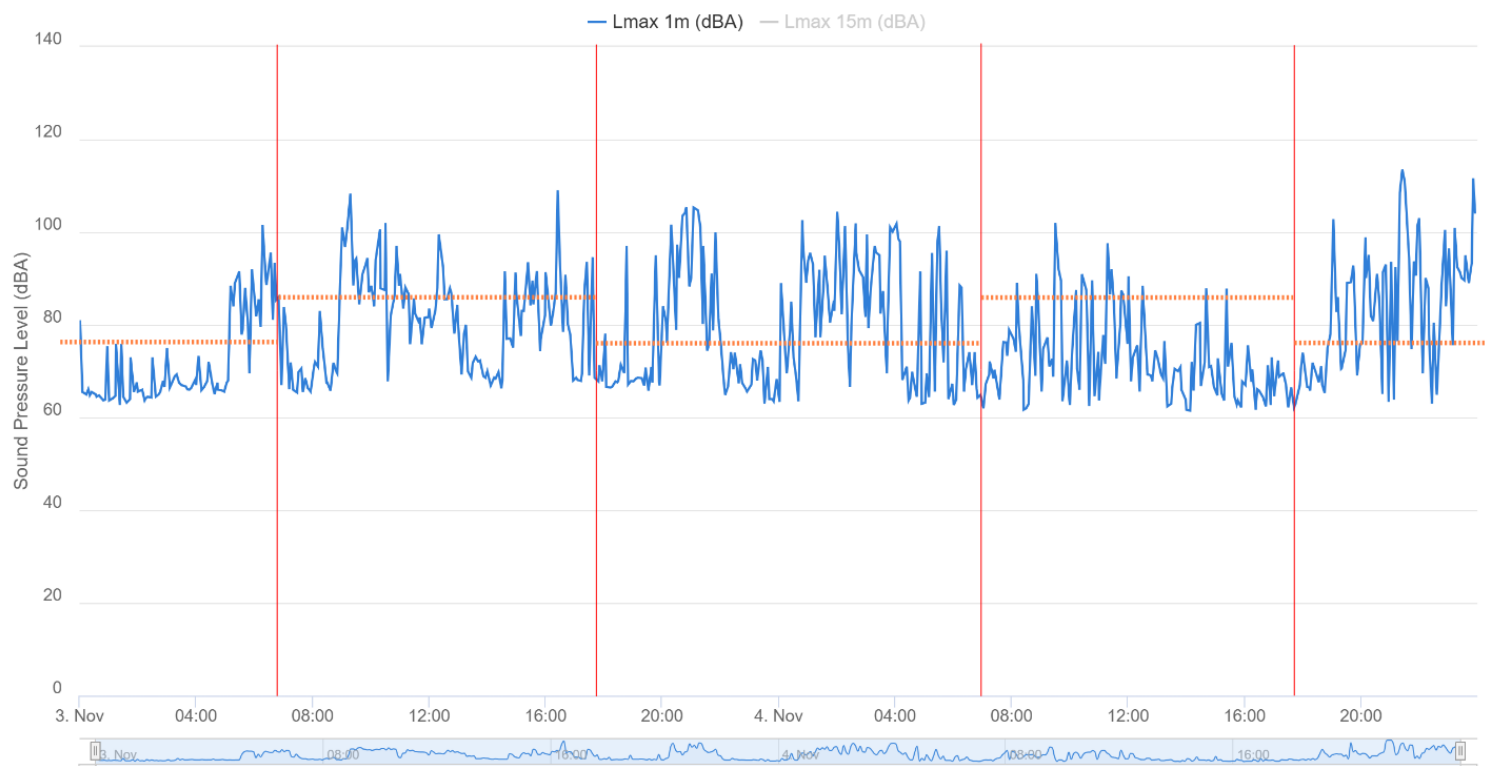
Noise Monitoring Station #975 Leq - Baseline

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/AIR NOISE DUST/AQS-975-Centre & White/Inactive/Leq Chart



Lmax Baseline

Noise Monitoring Station #997 Lmax - Baseline

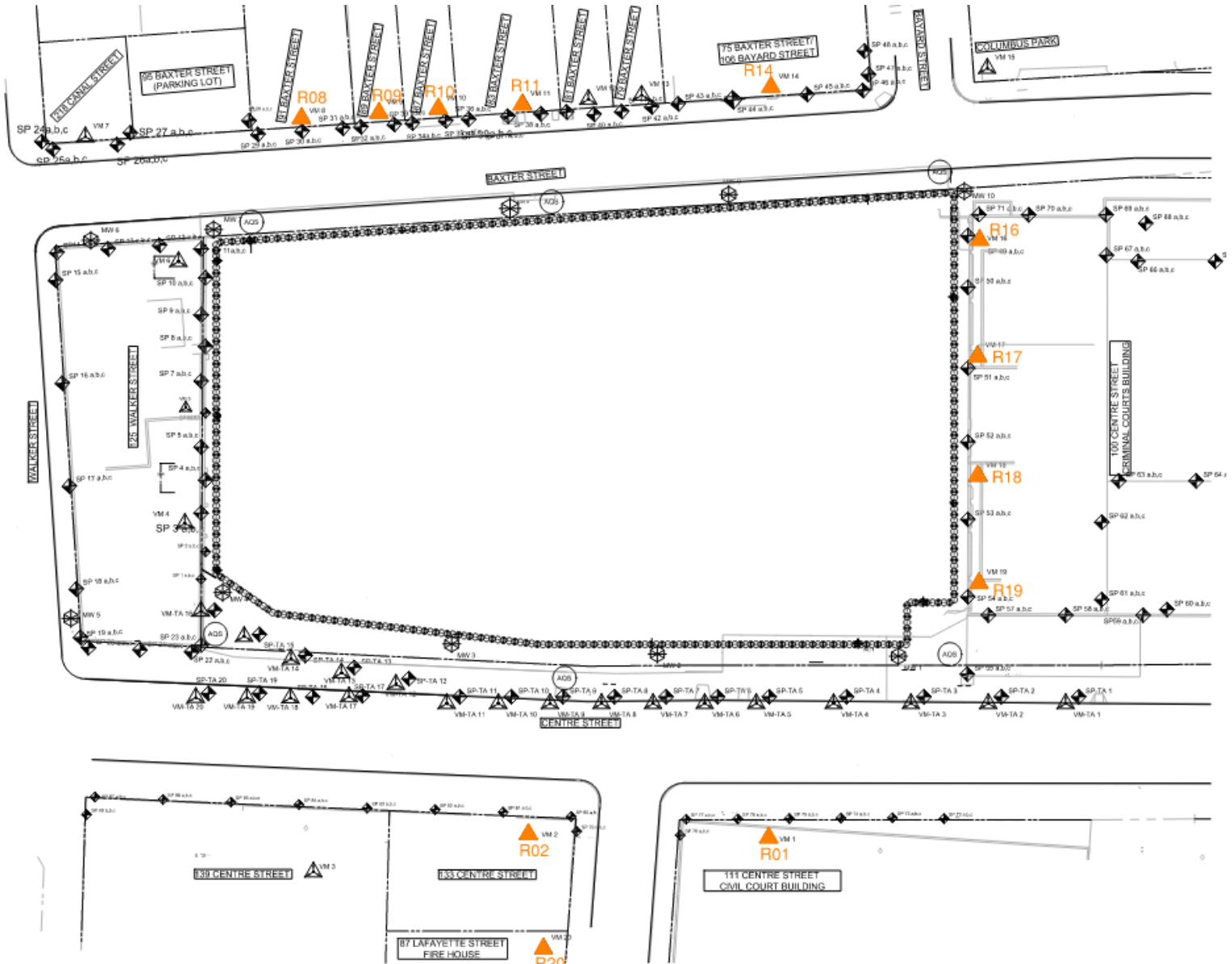
**LEGEND:**

7:00 am – 6:00pm: 85 dBA Leq (Orange dashed line)

6:00 am – 7:00pm: 75 dBA Leq (Orange dashed line)

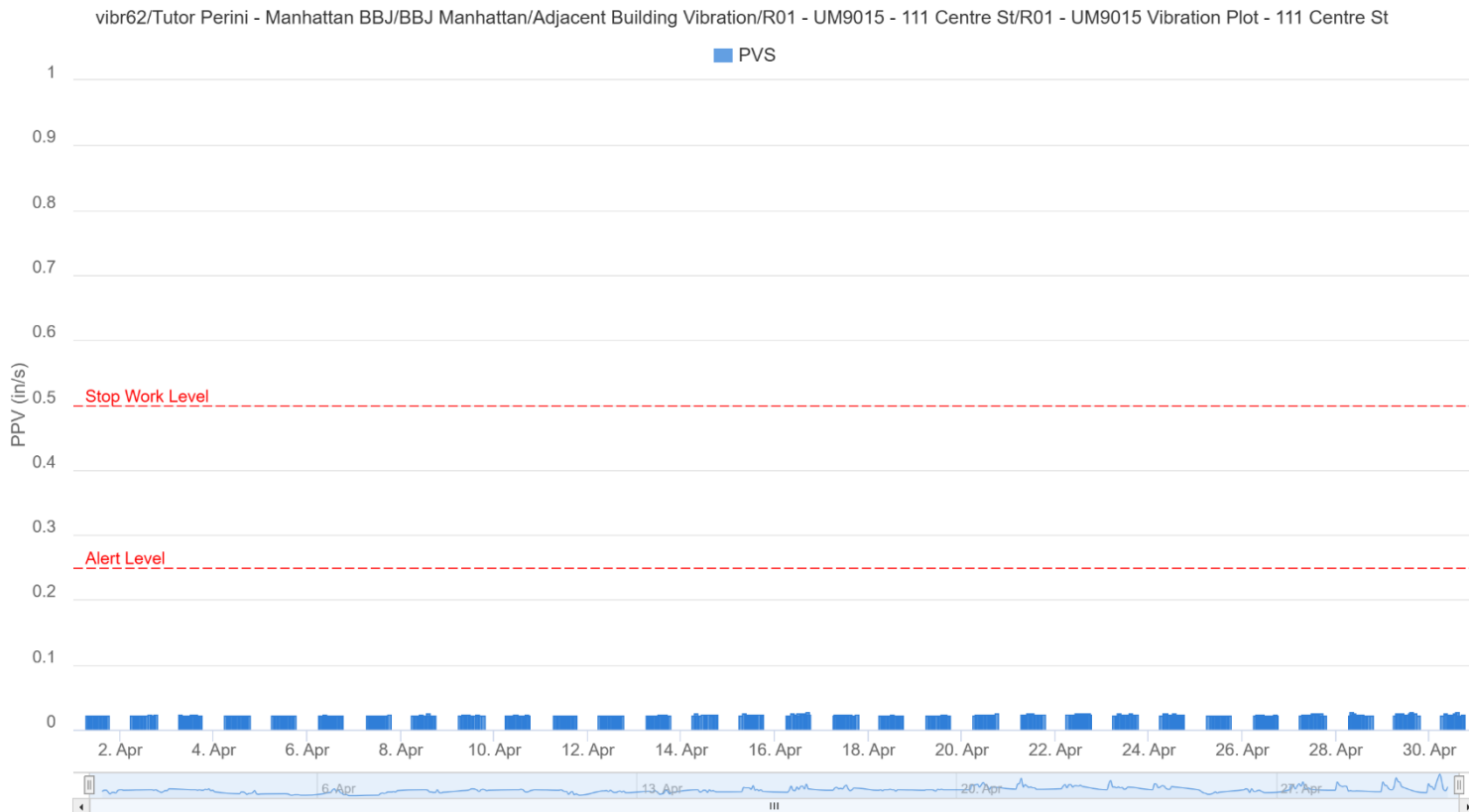
Vibration Monitor Location

Current Locations:

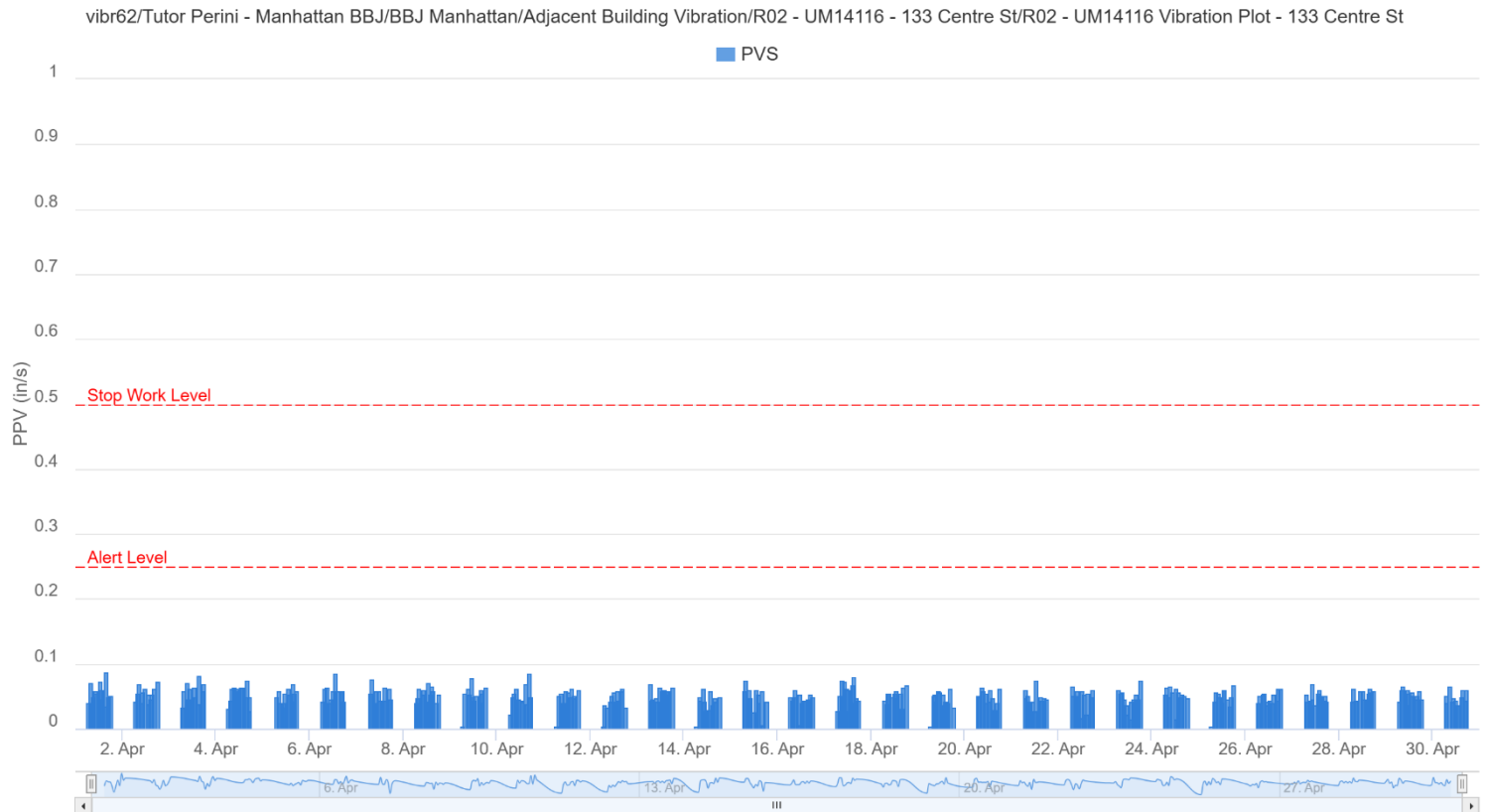


Vibration Monitor Plots

R01



R02

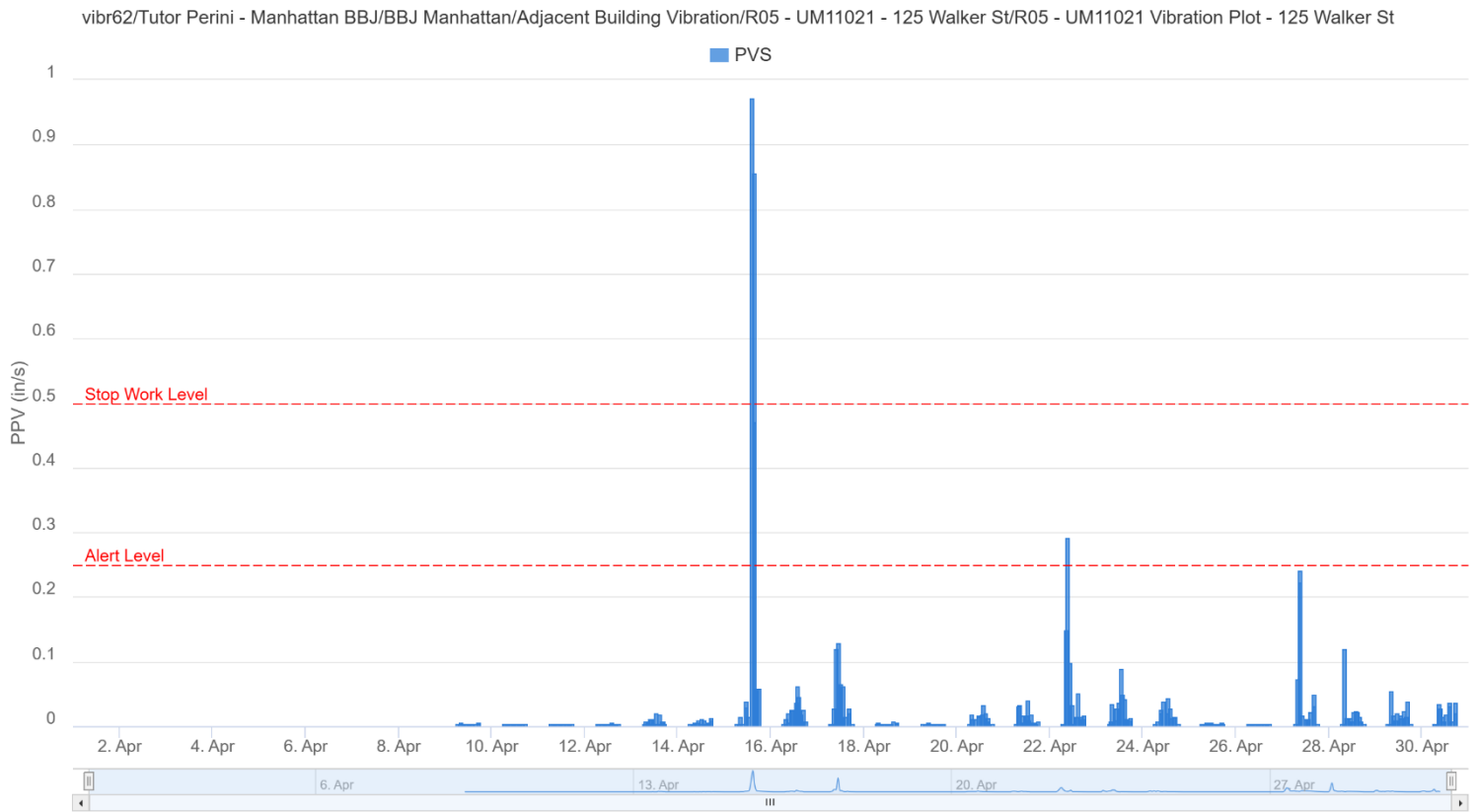


R04

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R04 - UM6055 - 125 Walker St/R04 - UM6065 Vibration Plot - 125 Walker St

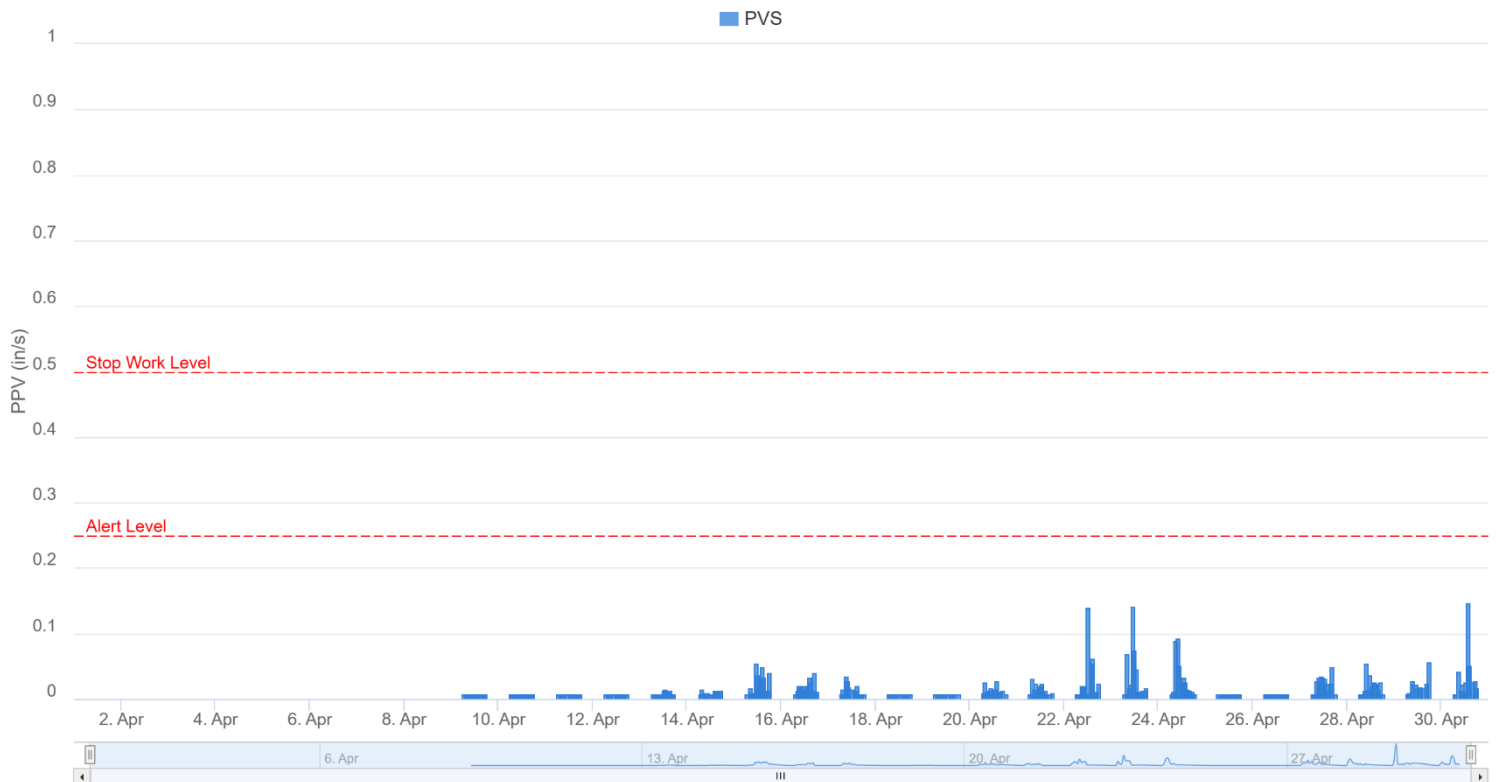


R05

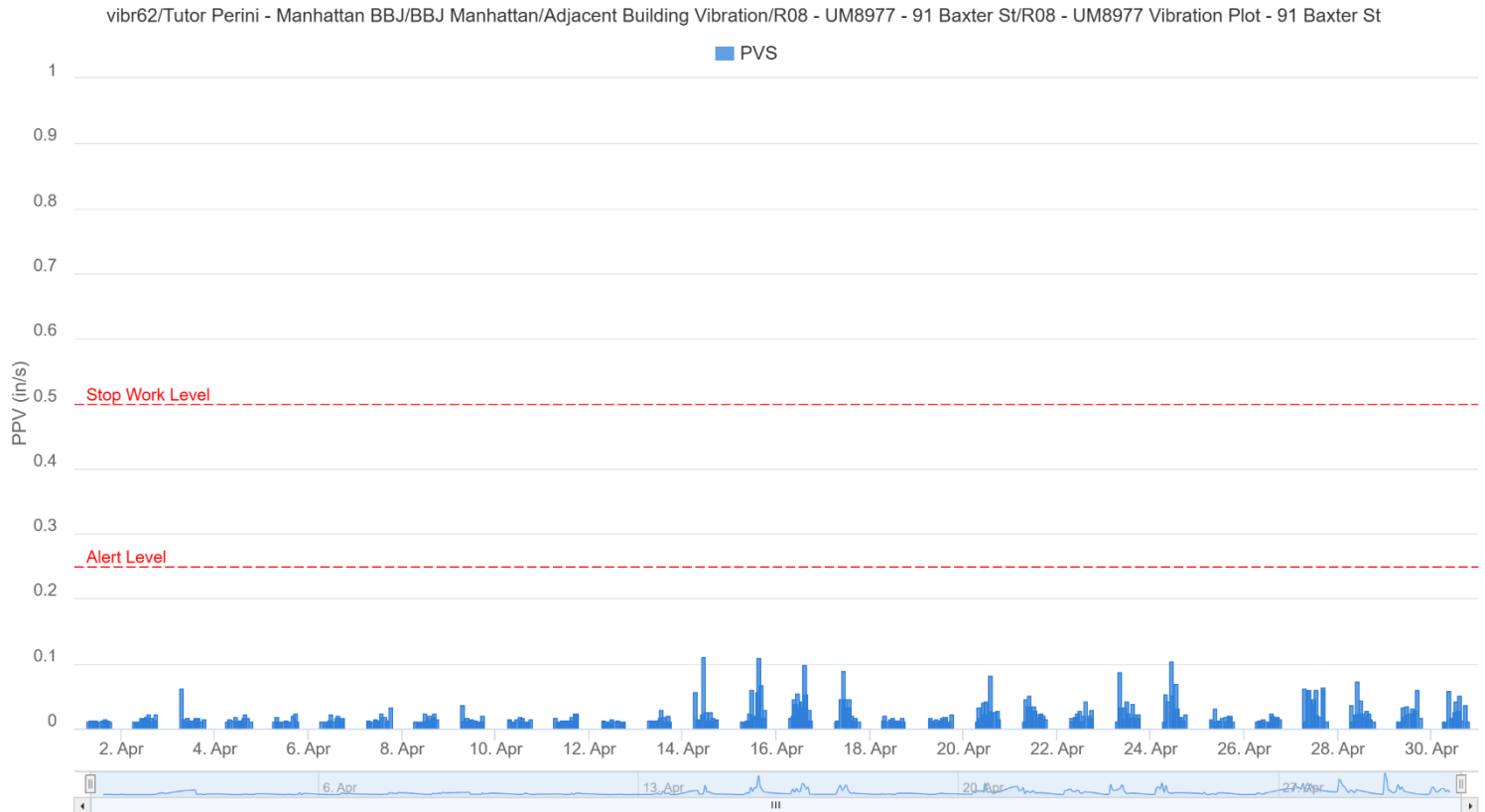


R06

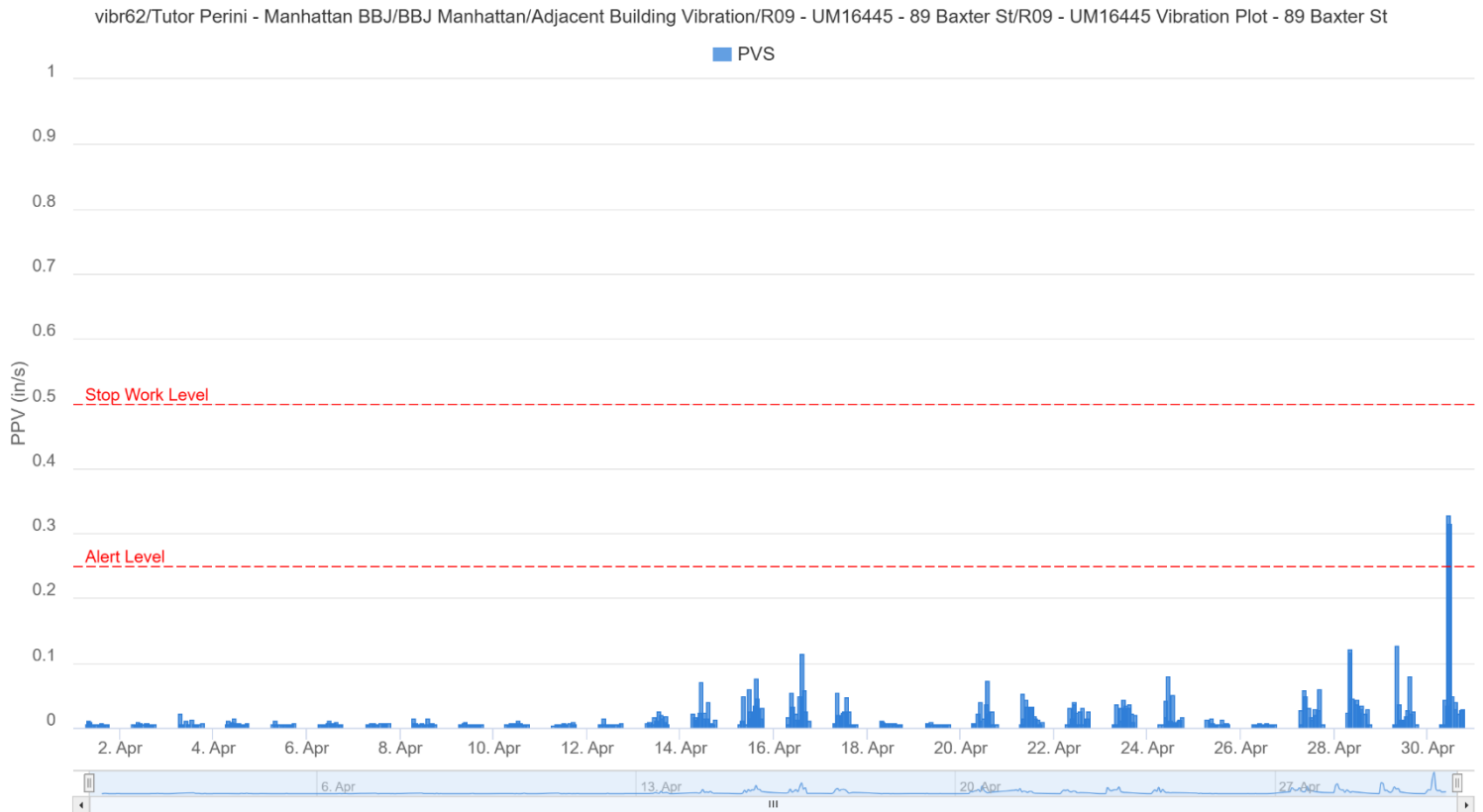
vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R06 - UM11025 - 125 Walker St/R06 - UM11025 Vibration Plot - 125 Walker St



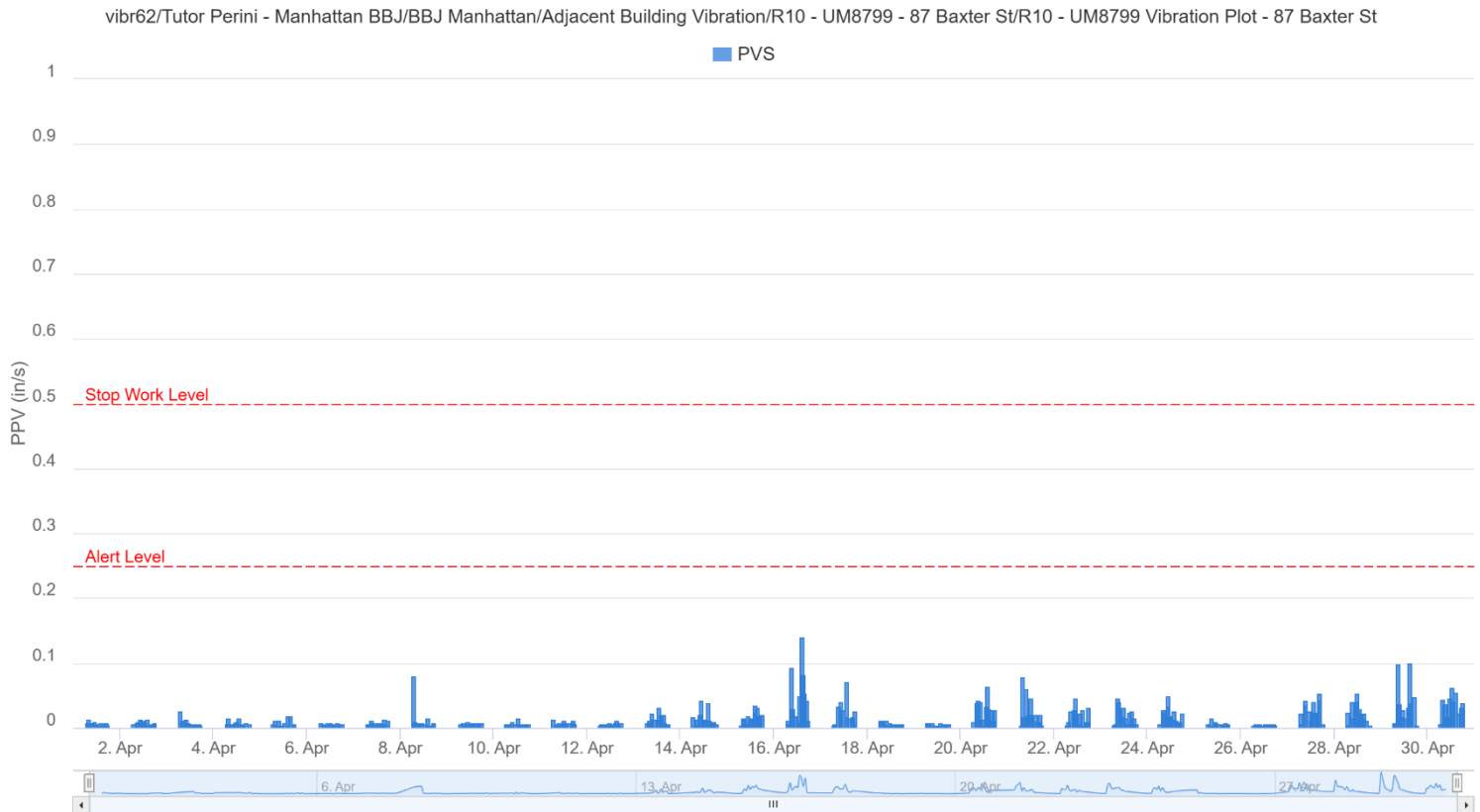
R08



R09

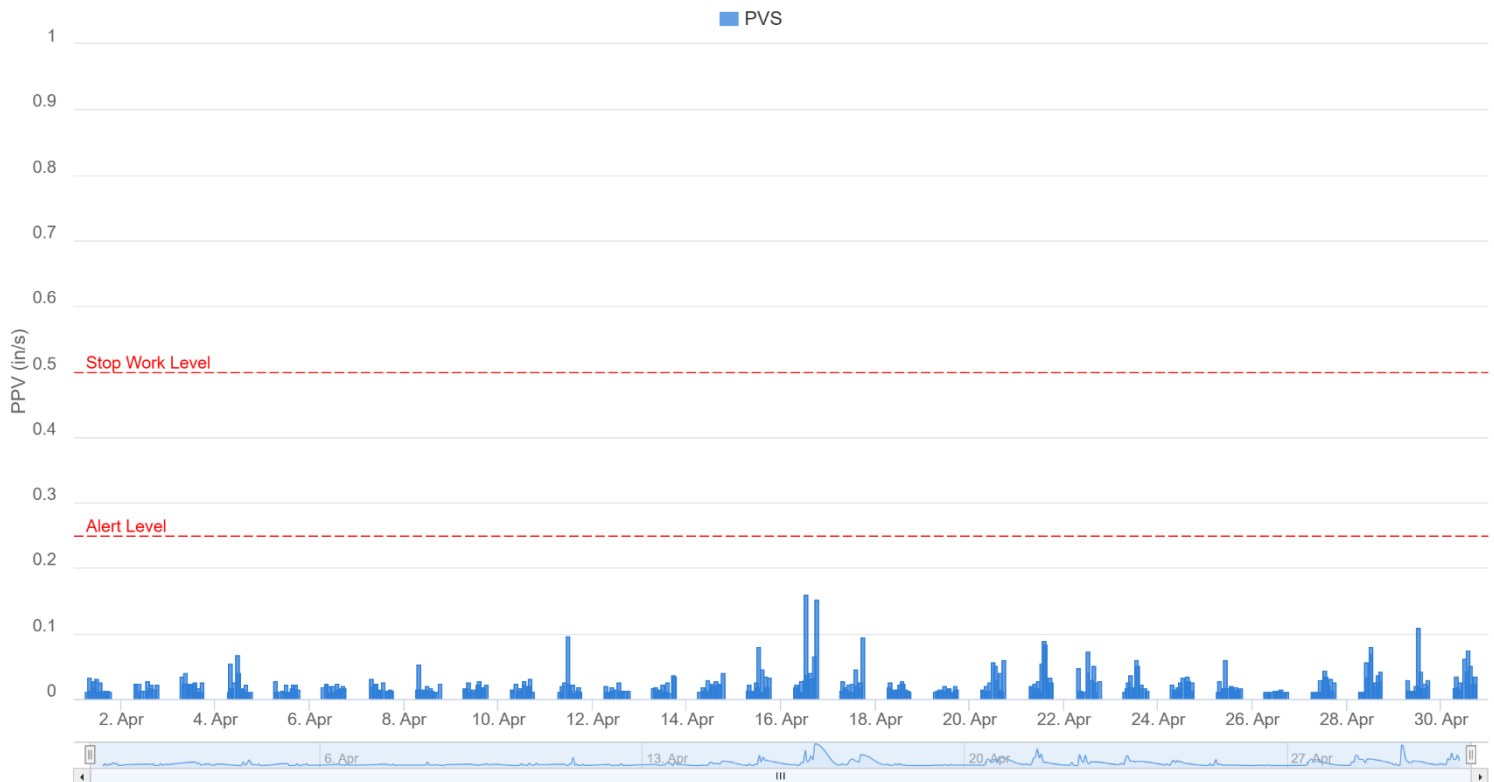


R10



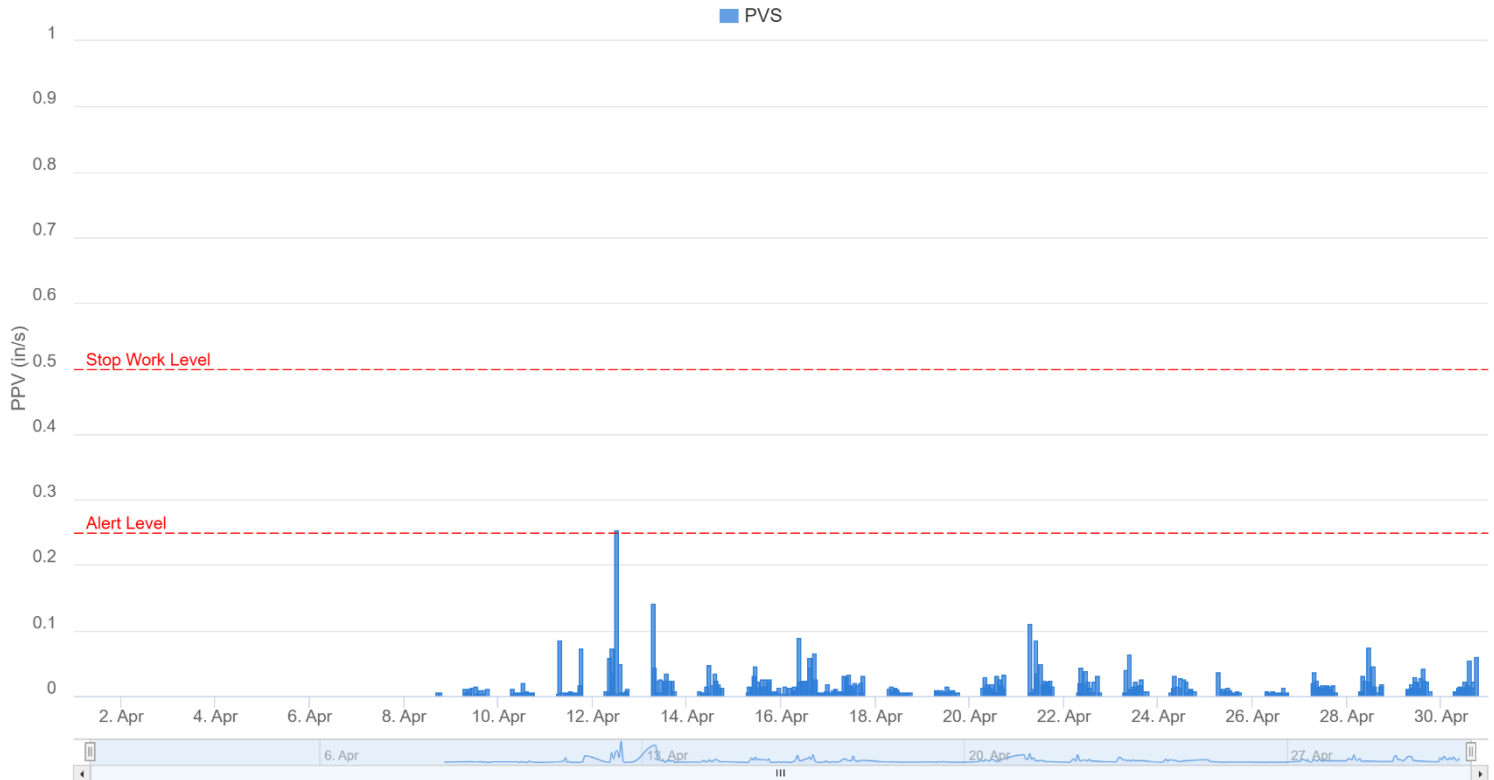
R11

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R11 - UM8459 - 83 Baxter St/R11 - UM8459 Vibration Plot - 83 Baxter St



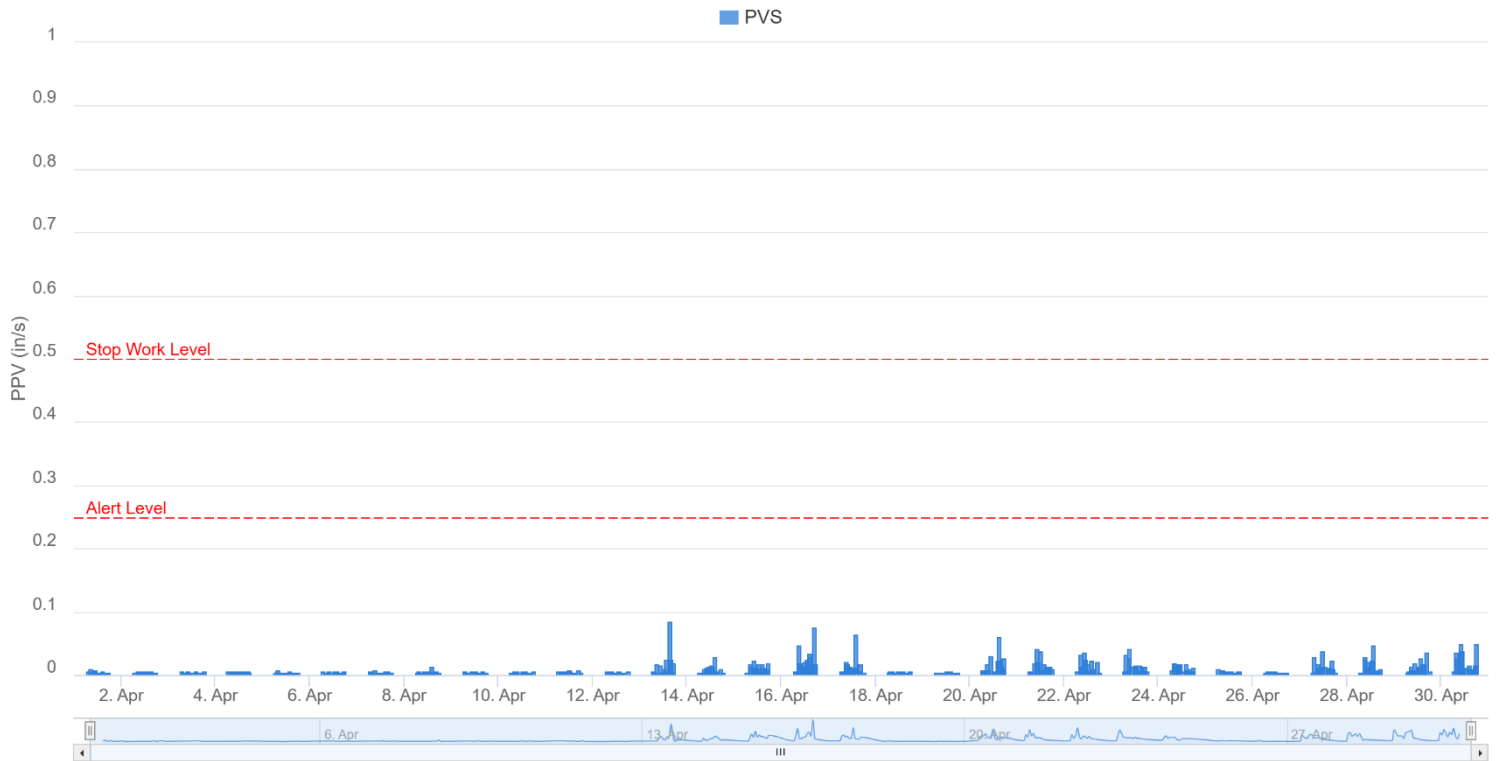
R13

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R13 - UM12800 - 79 Baxter St/R13 - UM12800 Vibration Plot - 79 Baxter St

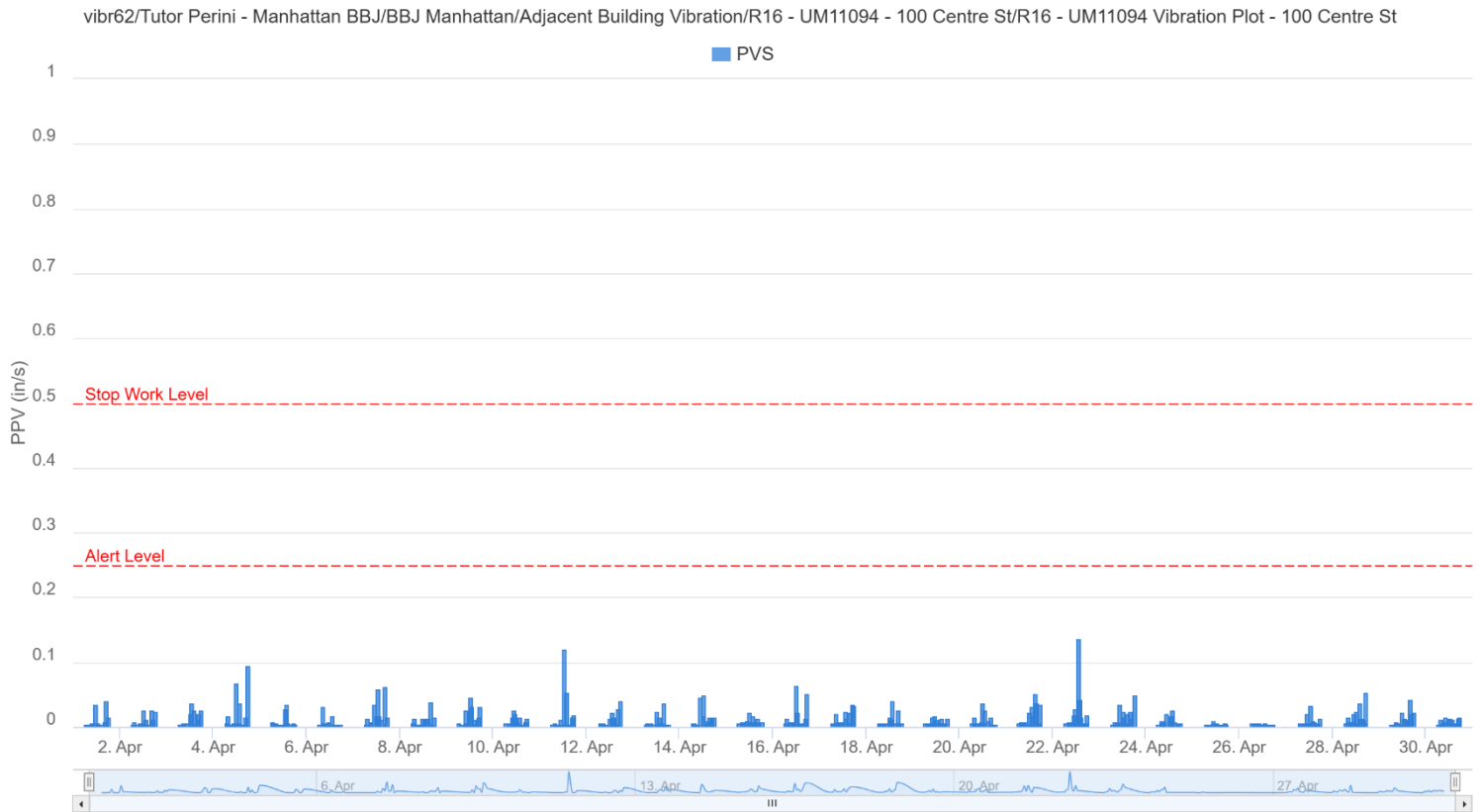


R14

vibr62/Tutor Perini - Manhattan BBJ/BBJ Manhattan/Adjacent Building Vibration/R14 - UM14673 - 75 Baxter 106 Bayard/R14 - UM14673 Vibration Plot - 75 Baxter 106 Bayard



R16



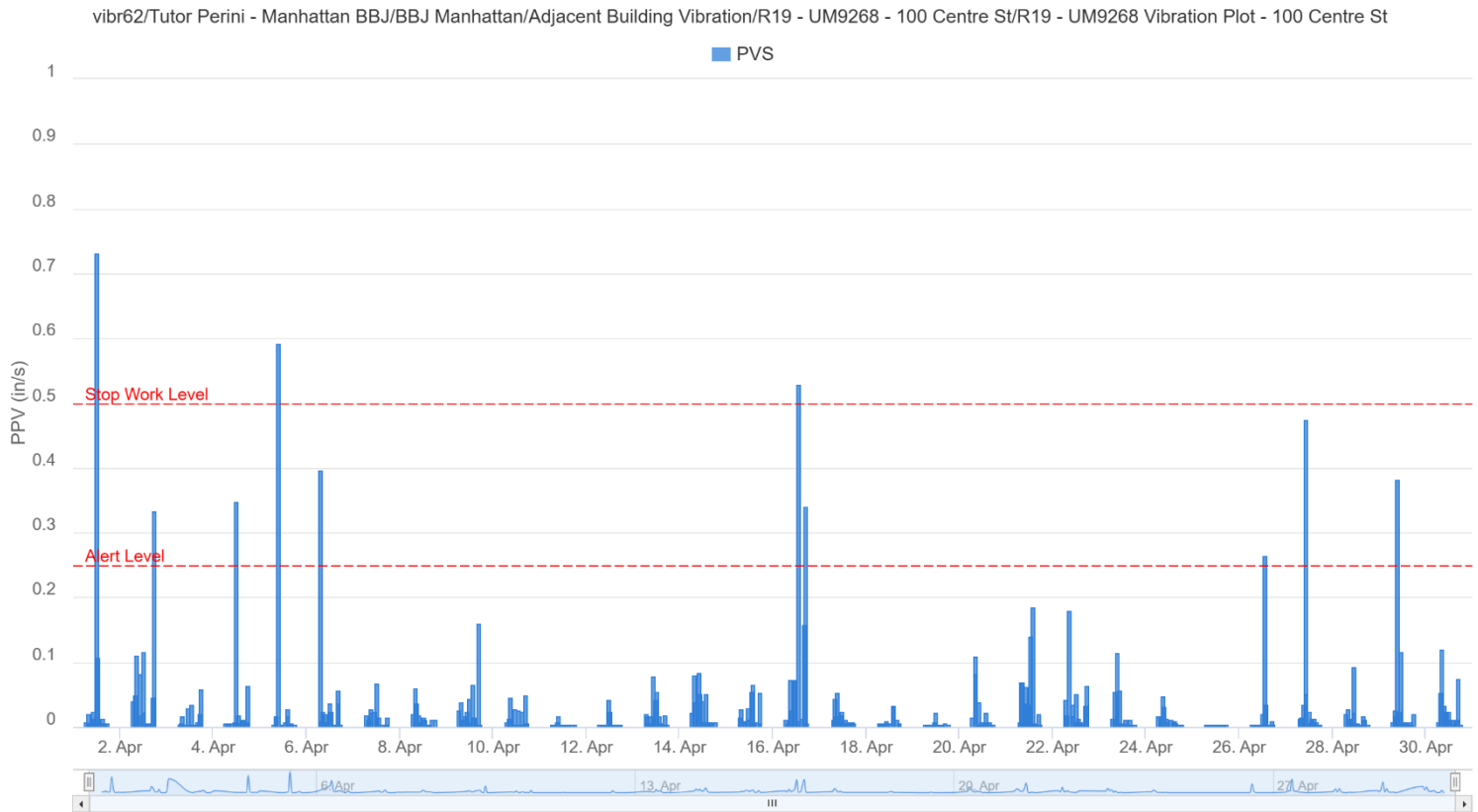
R17



R18



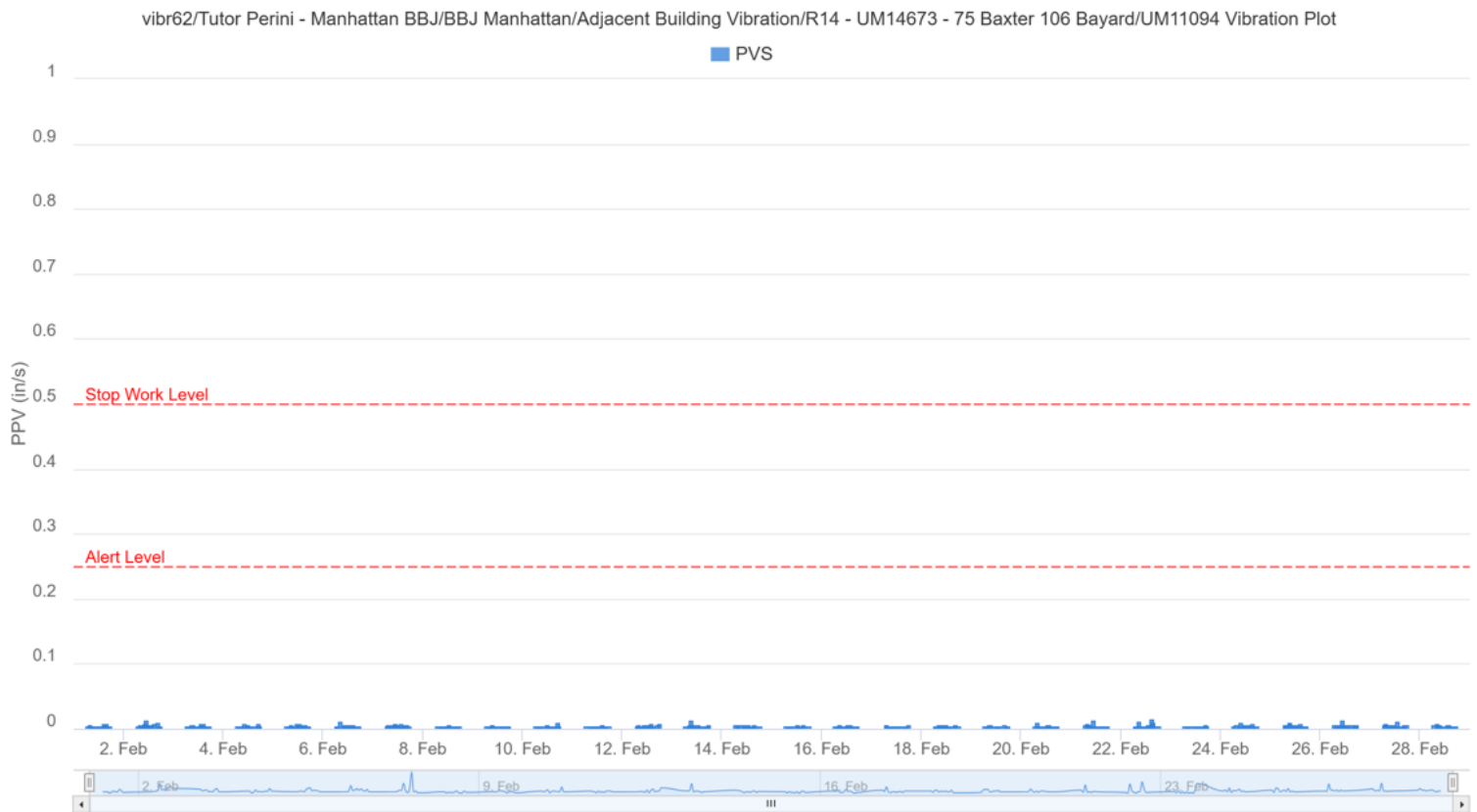
R19



R20

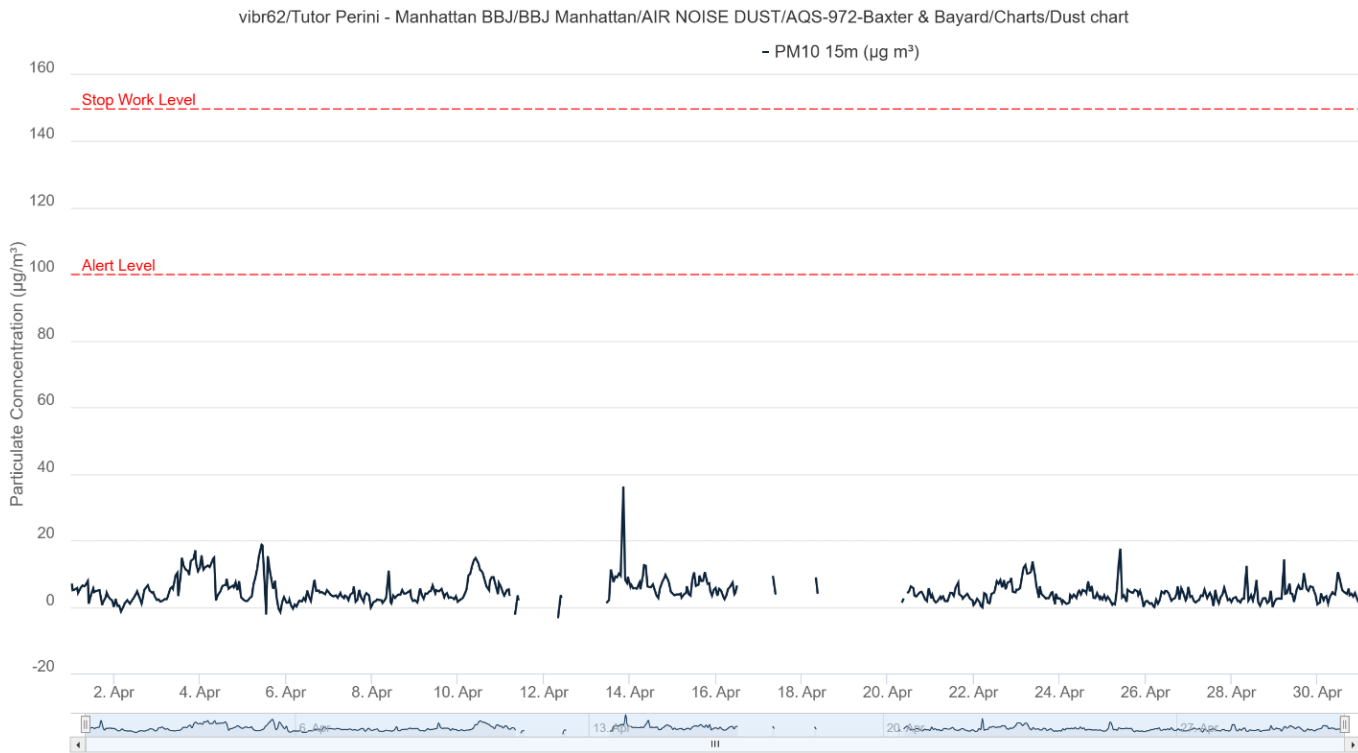


Vibration Monitoring Baseline

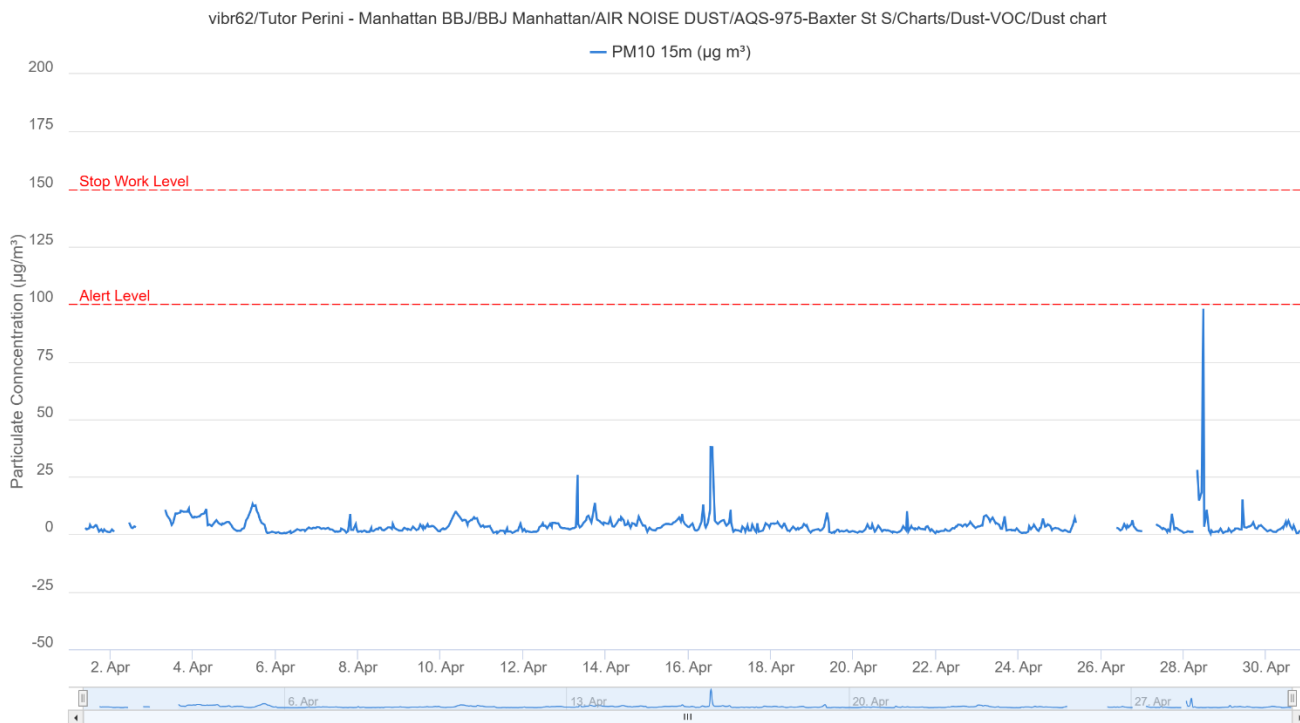


Dust Monitor Plots

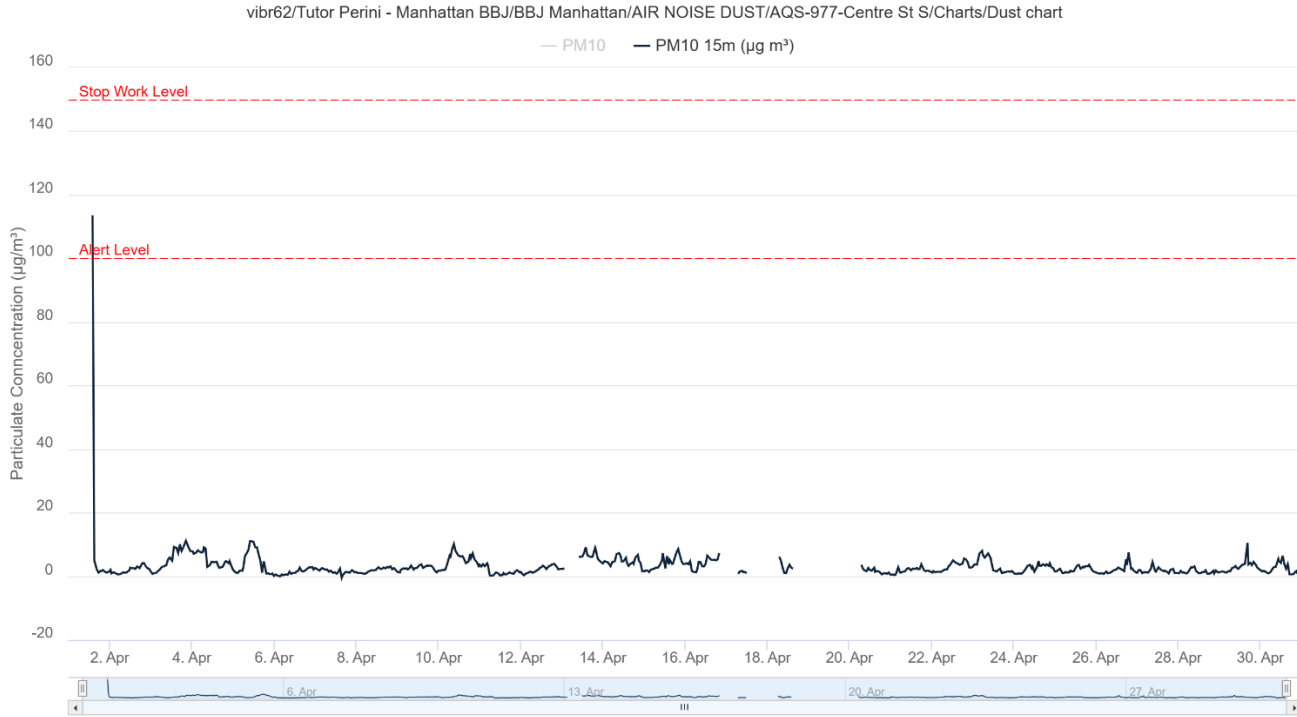
AQS 972 – Baxter & Bayard Street – Dust Chart



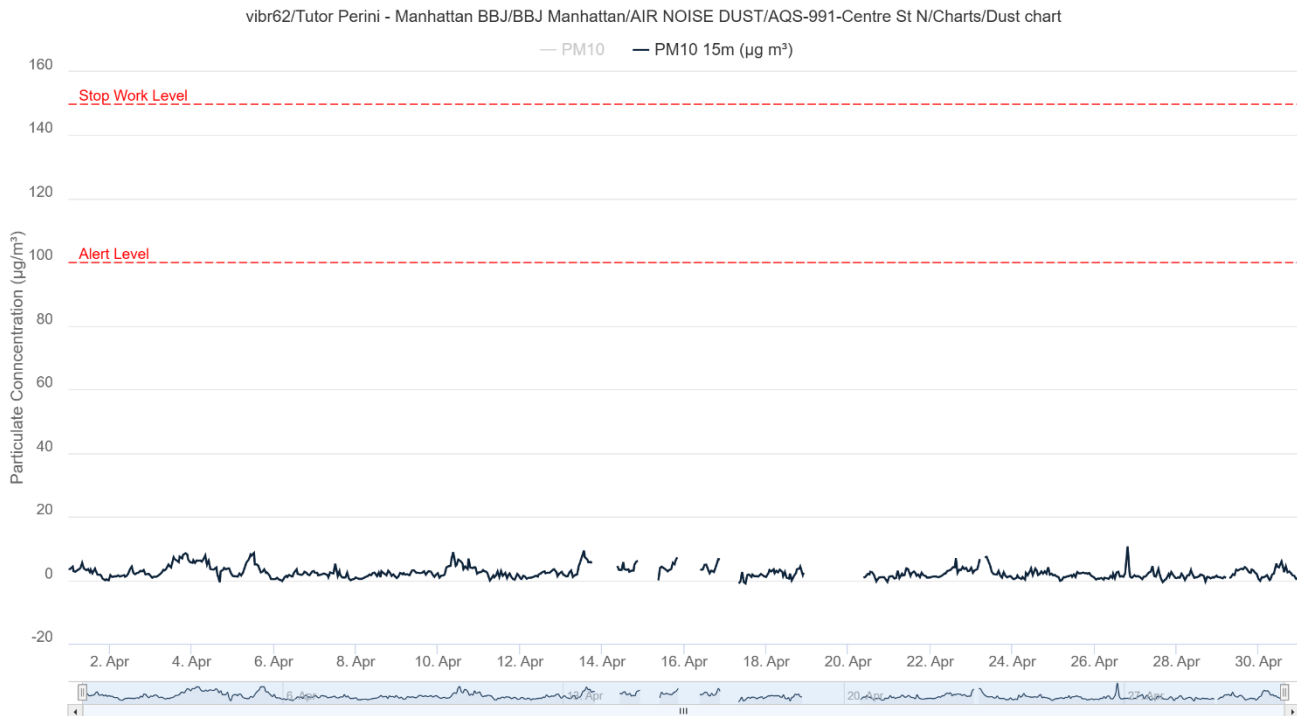
AQS 975 – Baxter Street South – Dust Chart



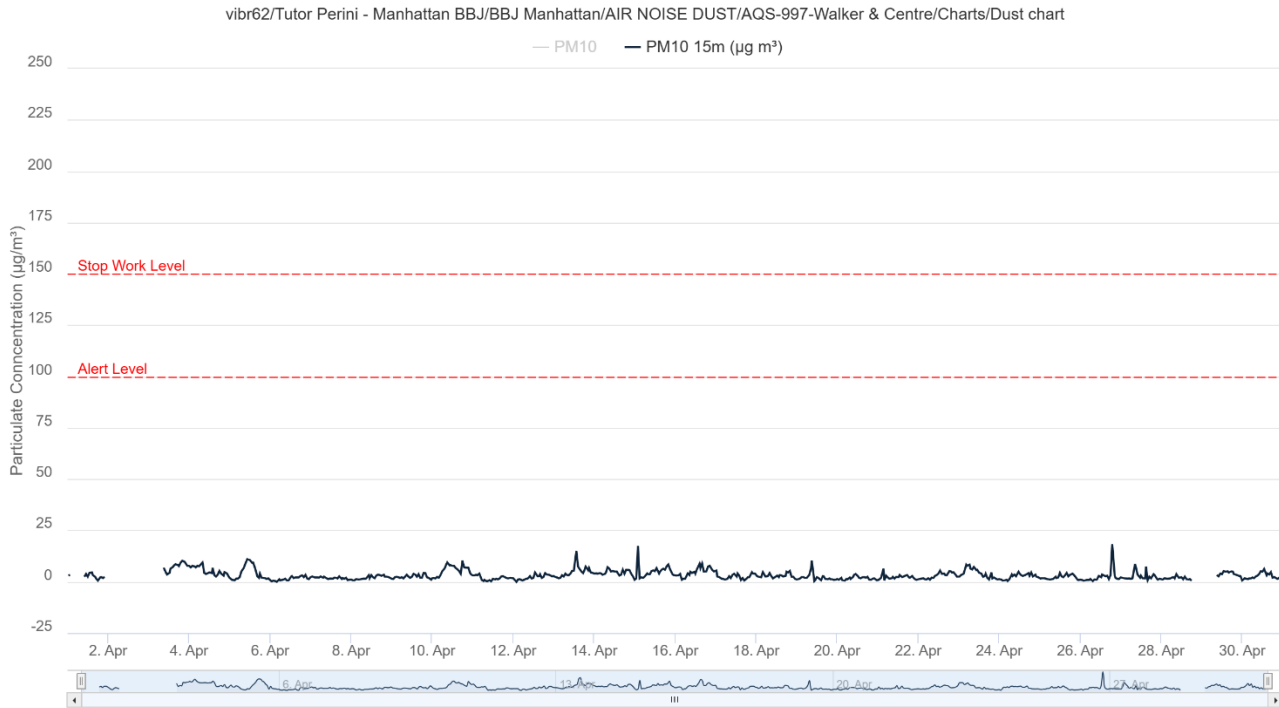
AQS 977 – Centre Street South – Dust Chart



AQS 991 – Centre Street North – Dust Chart



AQS 997 – Centre & Walker Street – Dust Chart



AQS 998 – Baxter Street – Dust Chart

