

**AIR, NOISE AND VIBRATION  
MONTHLY MONITORING REPORT  
Number 023**

Prepared By:

<b>DDC Pin No.:</b>	BBJ-XSP	<b>Period Start:</b> 6/1/24 <b>End</b> 6/30/24
<b>Project Name:</b>	NYCDDC D&B – The Bronx Site Preparation	
<b>DDC Project No.:</b>	8502021CR0004P-06P	

**1) Community Air Monitoring Weekly Status Summary**

TWA – Time Weighted Average  
ug/m<sup>3</sup>- micrograms per cubic meter

Number of Workdays in a Month	Number of Air Monitoring Days in a Month	Number of Days with Dust Concentrations above Action Concentrations by Month (0.100 mg/m <sup>3</sup> 15 minute TWA)	Comments
20	18	1	There was a total of one corrected CAMP exceedance above the 0.100 mg/m <sup>3</sup> dust action level on 6/27. See details below. Air monitoring not performed on 6/07, and 6/10 due to no intrusive being performed work onsite.

**Community Air Monitoring Weekly Excursions and Corrective Actions**

Action Concentration =100 ug/m<sup>3</sup> 15 minute TWA above background concentration  
Stop Work Concentration = 150 ug/m<sup>3</sup> 15 minute TWA above background concentration

Date: Time	Maximum Dust Reading Before Corrective Action 15 Minute TWA (mg/m <sup>3</sup> )	Maximum Dust Reading After Corrective Action 15 Minute TWA (mg/m <sup>3</sup> )	Corrective Action
06/27/24: 8:07am	0.532	0.012	The upwind CAMP station detected a dust exceedance caused by an unknown source of dust between 7:52am and 8:07am.

**Narrative Summary of Air Monitoring, Excursions and Corrective Actions:**

*In June 2024, construction-related levels of Particulate Matter (PM) PM10 did not surpass the Daily Permissible Exposure Limits (PEL) as set by federal standards for the 8-hour Time Weighted Average (TWA) and did cause air quality concerns to the community and/or onsite workers.*

**2) Community Noise Monitoring Weekly 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	Comments
20	20	3	There were three days during this monitoring period that noise exceedances were identified. See details below.

**Community Noise Monitoring Weekly Excursions and Corrective Actions**

Action Level = 80 dBA

Stop Work Level = 80 dBA

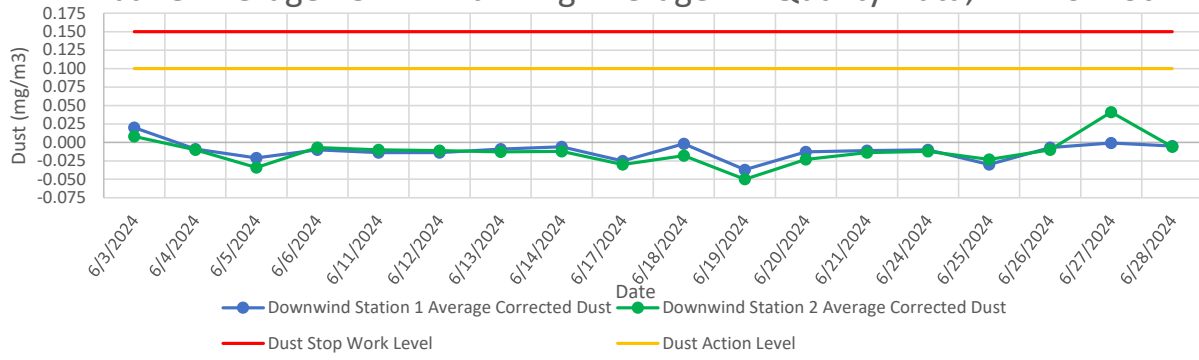
Date: Time	Maximum Noise Reading before Corrective Action (dBA)	Maximum Noise Reading after Corrective Action (dBA)	Corrective Action
06/19/24: 1:20pm	83.90	N/A	Noise meter #2 detected a noise level average of 83.90 dBA between 1:10pm and 1:20pm, potentially from noisy station breakdown.
06/26/24: 1:10pm	82.83	85.20	Noise meter #1 detected an average of 82.83 dBA between 1:00pm and 1:10pm due to an unknown source of noise.
06/26/24: 1:20pm	85.20	N/A	Noise meter #1 detected an average of 85:20 dBA between 1:10pm and 1:20pm, potentially from noisy station breakdown.
06/27/24: 1:10pm	83.80	N/A	Noise meter #1 detected an average of 83.80 dBA between 1:10pm and 1:20pm, potentially from noisy station breakdown.

<b>3) Community Vibration Monitoring Monthly Summary</b>			
Units: inches per second (in/sec)			
Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Vibration Levels above Action Levels by Month	Comments
20	30	2	One out of four vibration monitors recorded a total of two exceedances. Both exceedances were recorded during non-construction hours. Detailed information about the exceedance is provided in the narrative summary section and plots.
<b>Community Vibration Monitoring Excursions and Corrective Actions</b>			
Action level = 0.5 in/sec above background for VM			
Stop Work Level = 1.0 in/sec above background for VM			
Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
6/8/2024 18:18	1.975	N/A	The exceedance observed at VM6 was recorded during non-construction hours.
6/28/2024 21:40	5.97	N/A	The exceedance observed at VM6 was recorded during non-construction hours.
Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:			
In June 2024, one vibration monitor had recorded two exceedances.			
Two exceedances were recorded during non-construction hours at VM6. No corrective action was required at these times:			

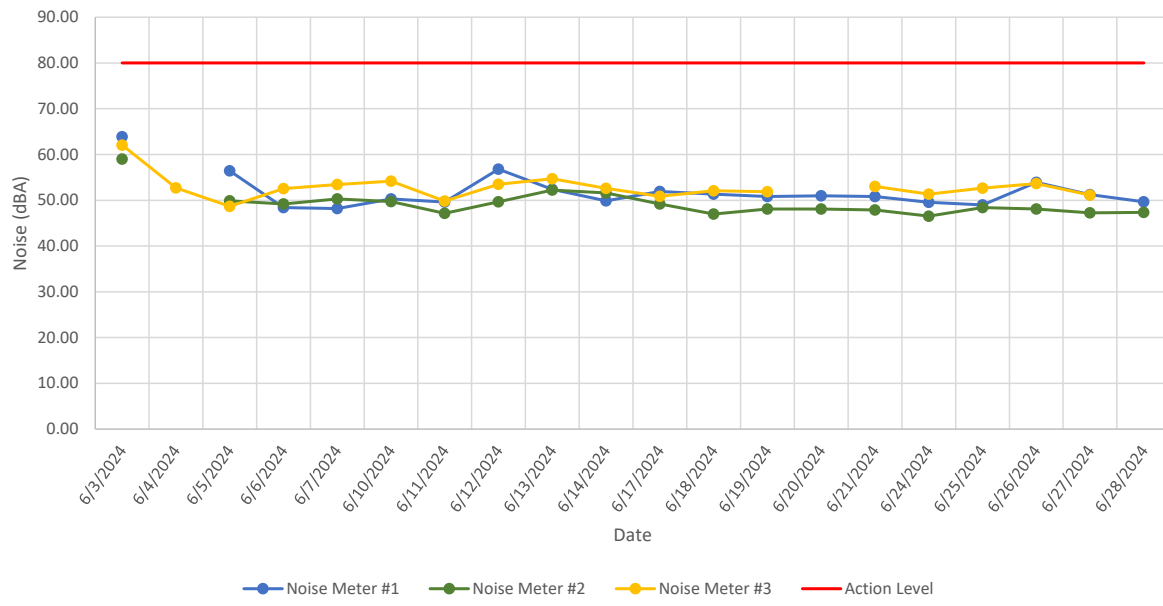
**ATTACHMENTS:**

- 1 – Include Map of Station/Locations
- 2 – Include Data Plots
- 3 – Include Baseline reference

### June Average 15-min Running Average Air Quality Data, PM 10 Plot

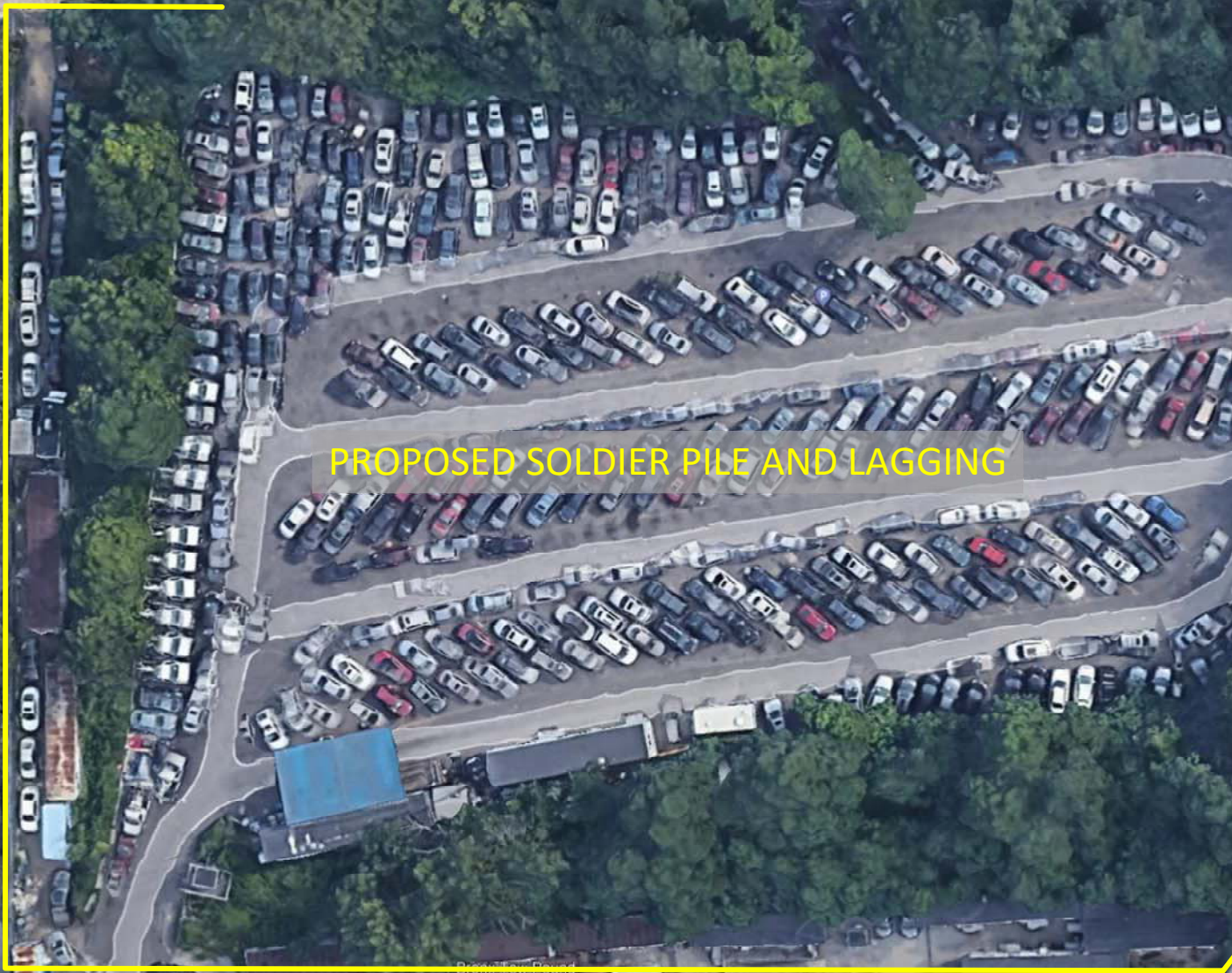


June 2024, Average Equivalent Sound Level Plot (Laeq)






Plan North



PROPOSED SOLDIER PILE AND LAGGING

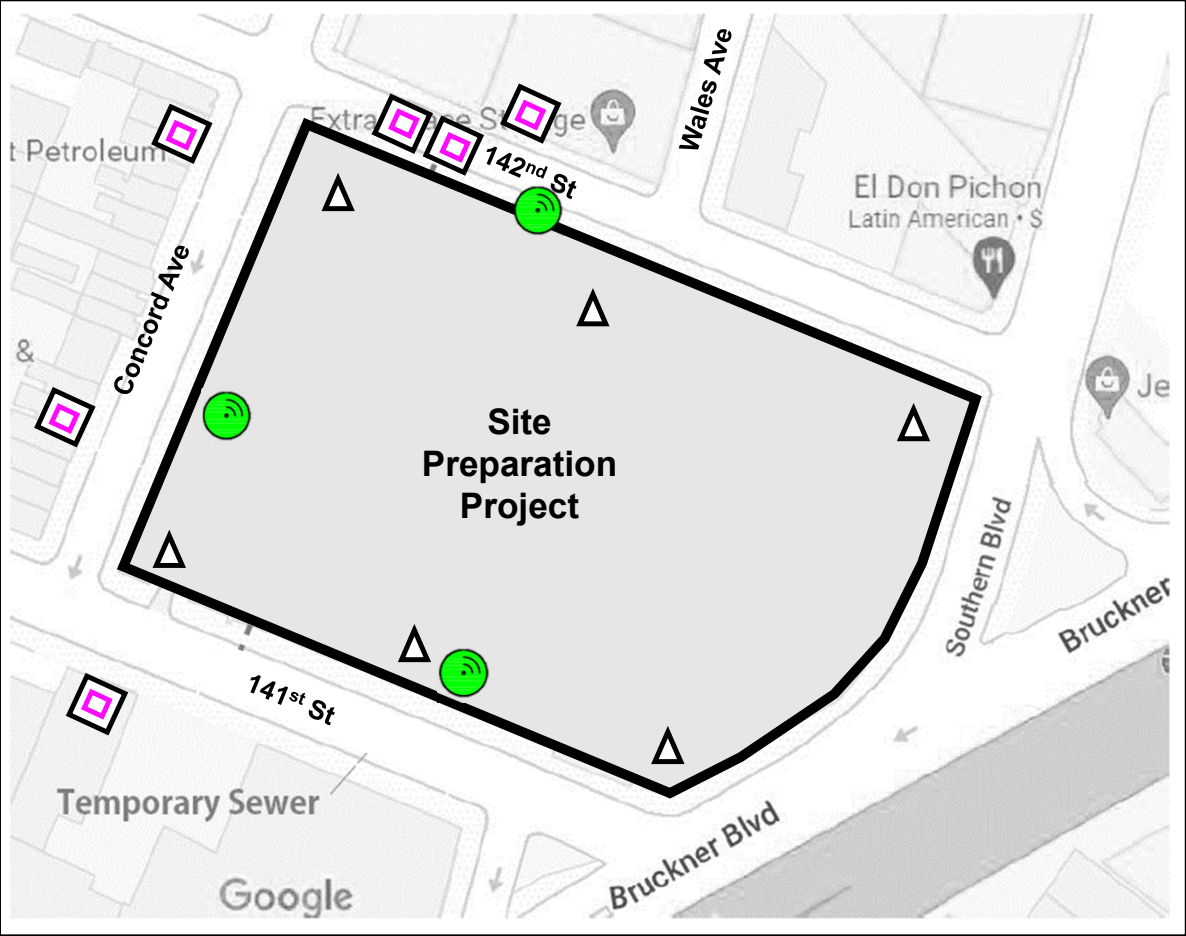
**LEGEND**




 VIBRATION MONITOR

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# Attachments

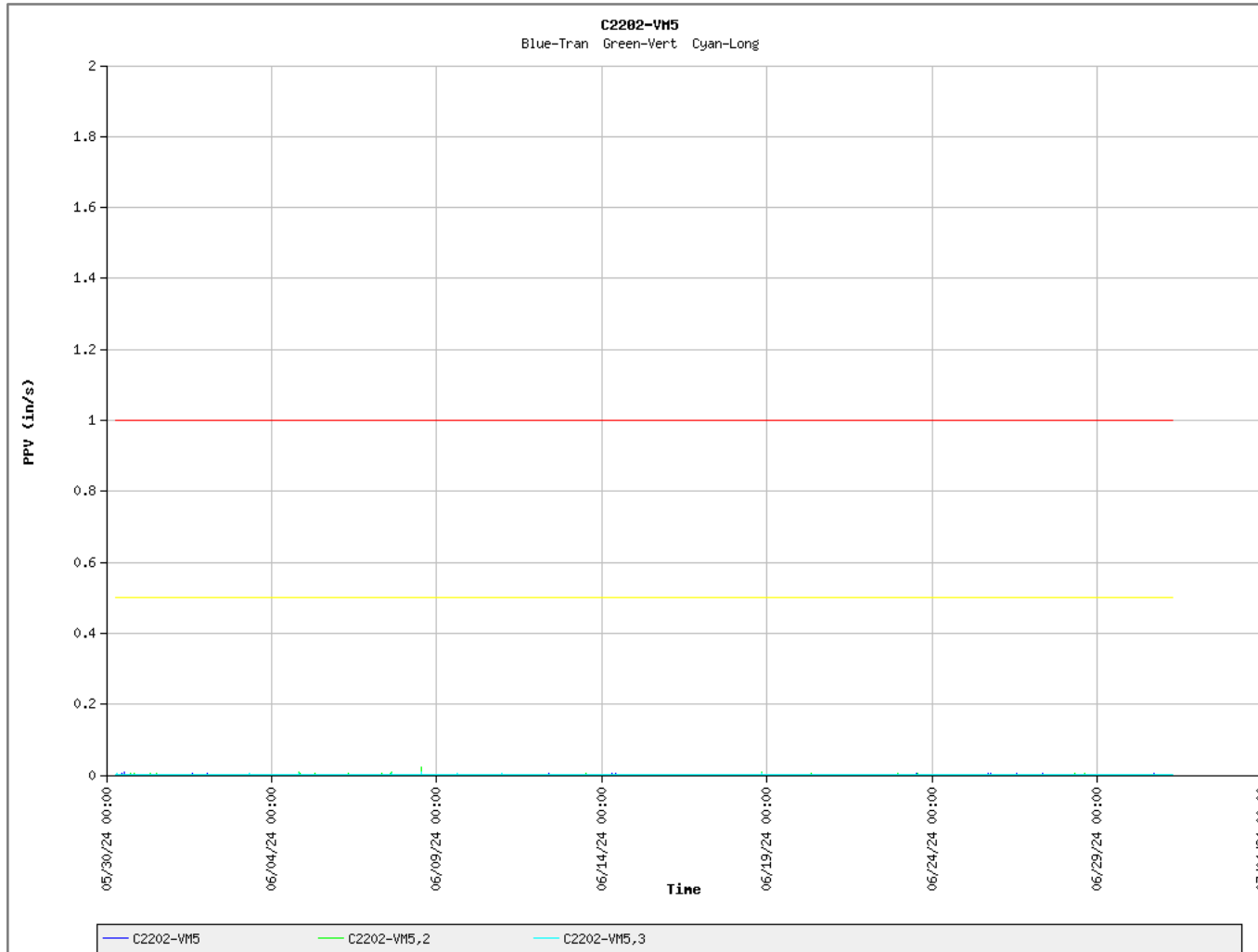
# Environmental Monitoring The Bronx



-  Vibration Monitor (VM)
-  Air Monitoring Station (DM)
-  Noise Monitoring Station (NM)



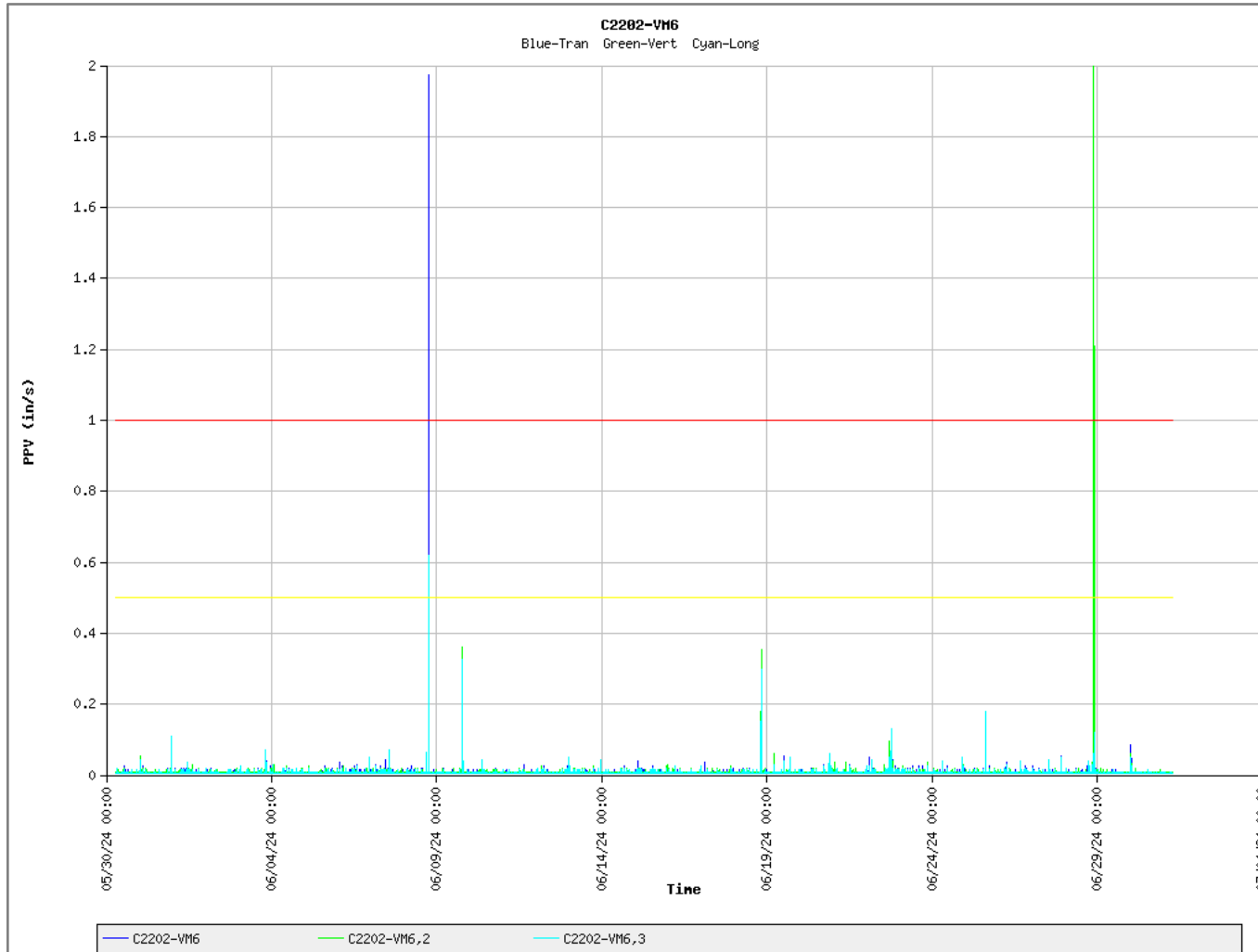
# The Bronx Site Preparation June 2024 Vibration Monitoring Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM5 Transverse  
C2202-VM5,2 Vertical  
C2202-VM5,3 Longitudinal

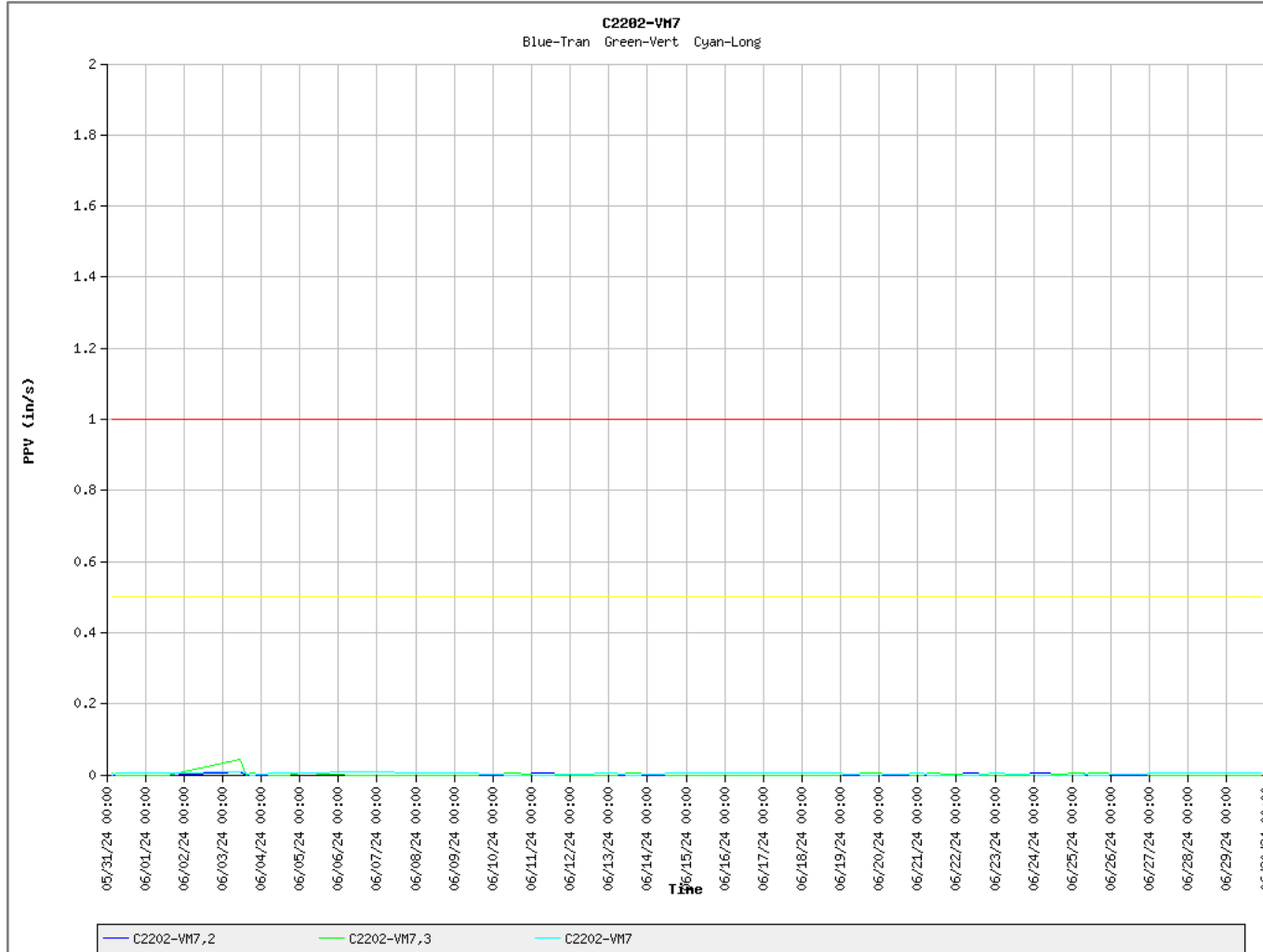
# The Bronx Site Preparation June 2024 Vibration Monitoring Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM6 Transverse  
C2202-VM6,2 Vertical  
C2202-VM6,3 Longitudinal

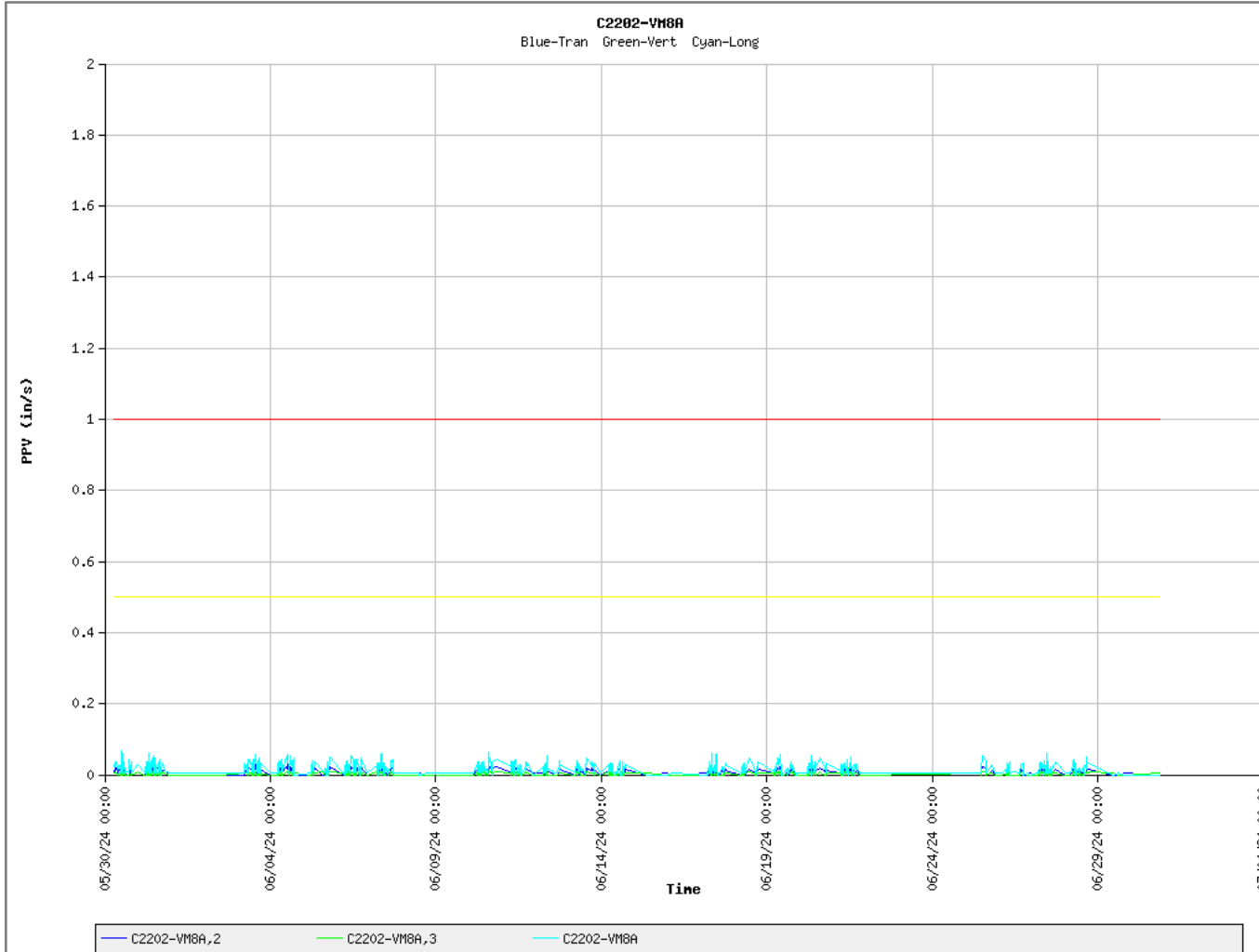
# The Bronx Site Preparation June 2024 Vibration Monitoring Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM7 Longitudinal  
C2202-VM7,2 Transverse  
C2202-VM7,3 Vertical

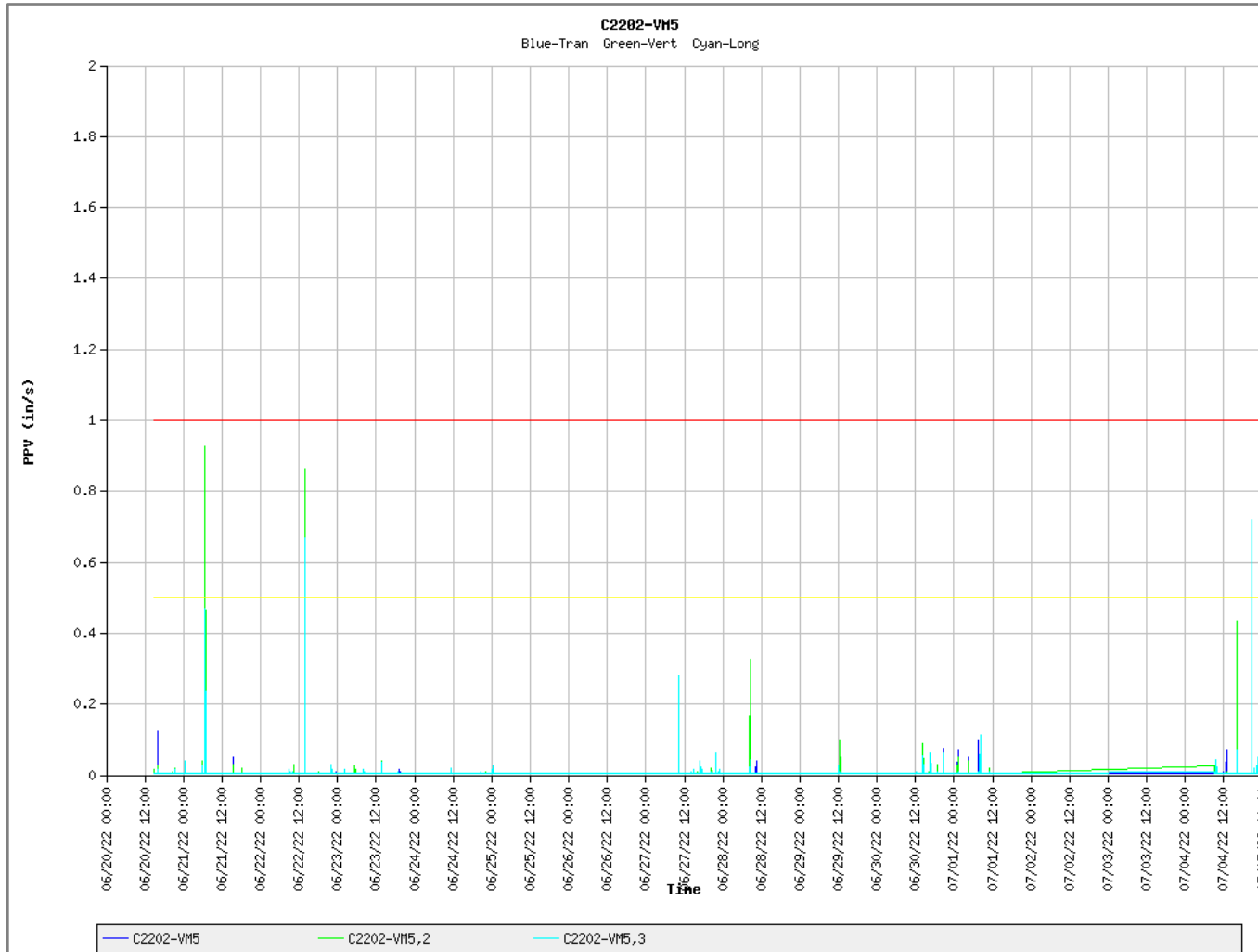
# The Bronx Site Preparation June 2024 Vibration Monitoring Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM8A Longitudinal  
C2202-VM8A,2 Transverse  
C2202-VM8A,3 Vertical

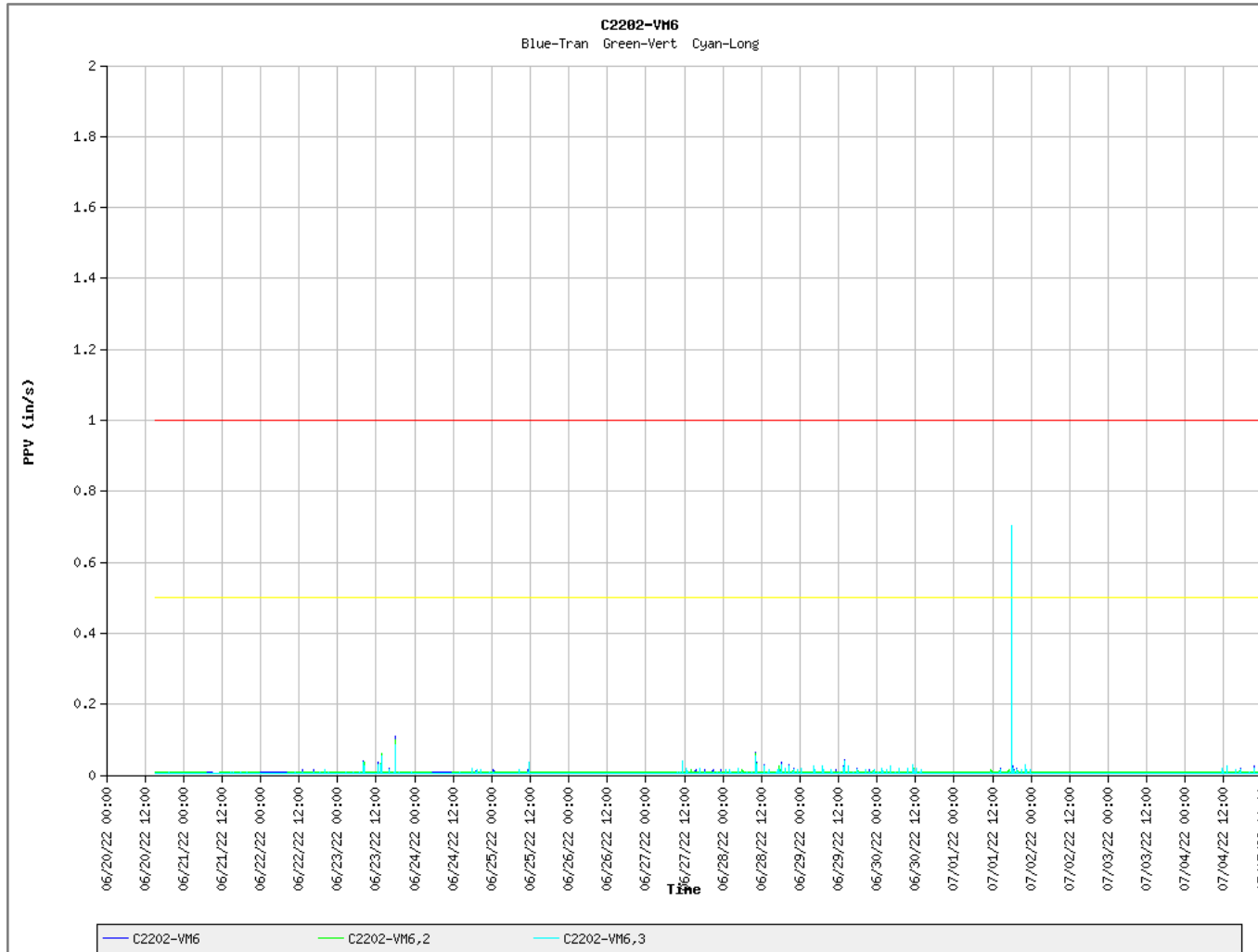
# The Bronx Site Preparation Vibration Baseline Reference Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM5 Transverse  
C2202-VM5,2 Vertical  
C2202-VM5,3 Longitudinal

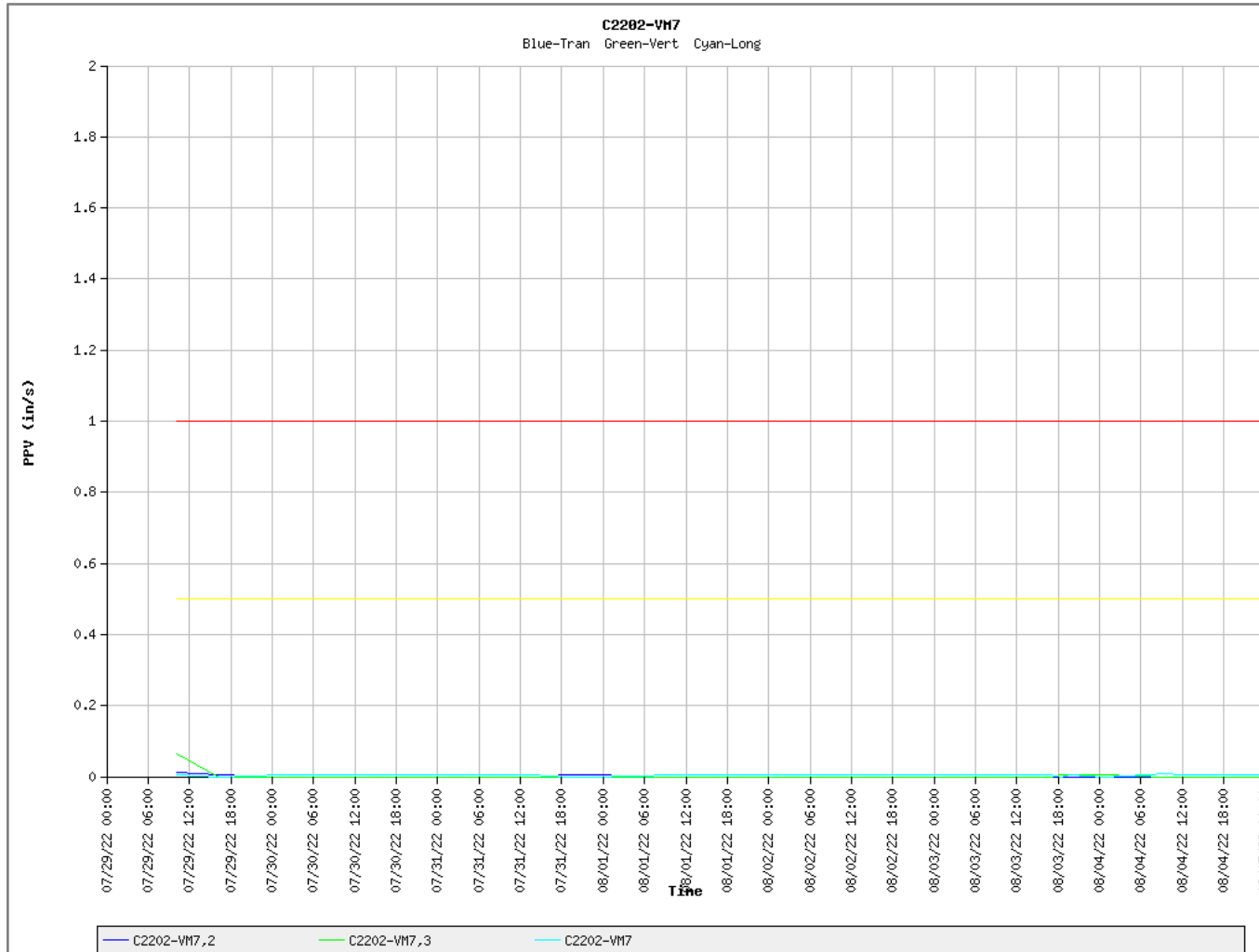
# The Bronx Site Preparation Vibration Baseline Reference Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM6 Transverse  
C2202-VM6,2 Vertical  
C2202-VM6,3 Longitudinal

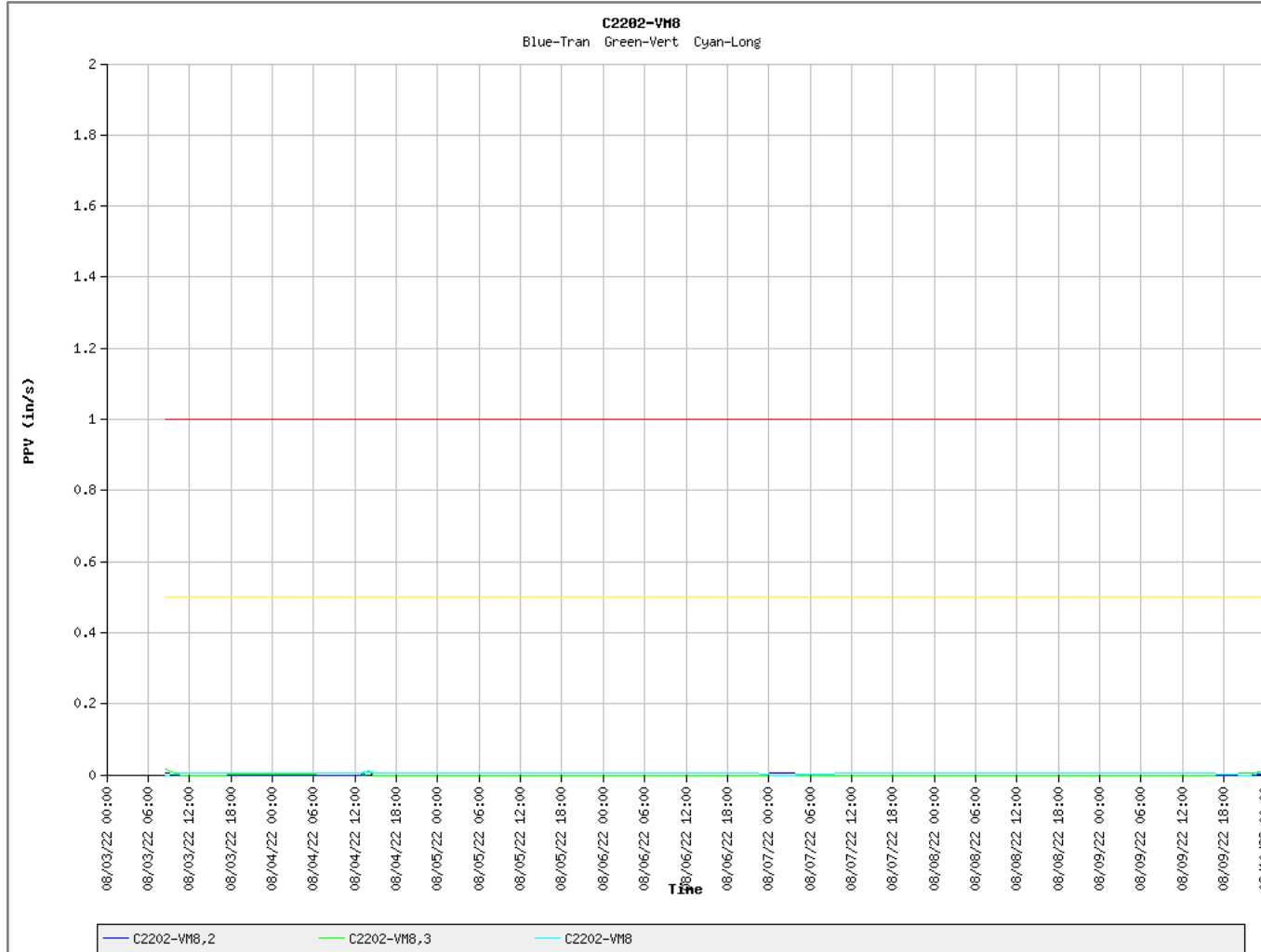
# The Bronx Site Preparation Vibration Baseline Reference Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM7 Longitudinal  
C2202-VM7,2 Transverse  
C2202-VM7,3 Vertical

# The Bronx Site Preparation Vibration Baseline Reference Data Plots



Exceedance level: 1 in/sec  
Warning level: 0.5 in/sec

C2202-VM8 Longitudinal  
C2202-VM8,2 Transverse  
C2202-VM8,3 Vertical