

## NOISE AND VIBRATION MONTHLY MONITORING REPORT March 2025

Prepared By:

**Leon D. DeMatteis Construction Corp.**

<b>DDC. Project ID:</b>	BBJ QFAC	<b>Period Start:</b> 3/1/25 <b>End</b> 3/31/25
<b>Project Name:</b>	NYC Borough-Based Jails System – Queens Facility	
<b>DDC Pin No.:</b>	85025I8002KXL	

### 1) Community Noise Monitoring Monthly Summary

Units: 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
12	31	7	41 exceedances were recorded over 31 days. These occurred on 3/16/25, 3/22/25, 3/24/25, 3/25/25, 3/26/25, 3/28/25, and 3/31/25 and are detailed below.

### Community Noise Monitoring Excursions and Corrective Actions

Action Level = 78 dB(A)

Stop Work Level = 80 dB(A)

Date: Time	Maximum Noise Reading before Corrective Action (DBA)	Maximum Noise Reading after Corrective Action (DBA)	Corrective Action
3/16/25 8:20am	81	N/A	Exceedance was recorded during non-construction hours.
3/22/25 7am	138	N/A	Exceedance was recorded during non-construction hours.
3/22/25 7:01am	139	N/A	Exceedance was recorded during non-construction hours.
3/22/25 7:32am	85	N/A	Exceedance was recorded during non-construction hours.
3/22/25 10:06am	88	N/A	Exceedance was recorded during non-construction hours.
3/24/25 1:35pm	89	N/A	Please see narrative summary below
3/25/25 10:15am	89	N/A	Please see narrative summary below
3/25/25 10:20am	89	N/A	Please see narrative summary below
3/25/25 1:25pm	89	N/A	Please see narrative summary below
3/25/25 2:05pm	89	N/A	Please see narrative summary below
3/25/25 2:10pm	89	N/A	Please see narrative summary below
3/25/25 4:30pm	95	N/A	Exceedance was recorded during non-construction hours.
3/25/25 4:33pm	98	N/A	Exceedance was recorded during non-construction hours.
3/25/25 4:34pm	96	N/A	Exceedance was recorded during non-construction hours.
3/25/25 4:44pm	96	N/A	Exceedance was recorded during non-construction hours.
3/25/25 4:49pm	96	N/A	Exceedance was recorded during non-construction hours.
3/25/25 4:54pm	87	N/A	Exceedance was recorded during non-

			construction hours.
3/25/25 4:59pm	88	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:04pm	92	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:09pm	89	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:14pm	89	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:19pm	87	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:24pm	92	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:29pm	91	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:34pm	93	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:39pm	93	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:44pm	93	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:49pm	93	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:54pm	92	N/A	Exceedance was recorded during non-construction hours.
3/25/25 5:59pm	90	N/A	Exceedance was recorded during non-construction hours.
3/25/25 6:04pm	90	N/A	Exceedance was recorded during non-construction hours.
3/25/25 6:09pm	91	N/A	Exceedance was recorded during non-construction hours.
3/25/25 6:14pm	90	N/A	Exceedance was recorded during non-construction hours.
3/25/25 6:24pm	87	N/A	Exceedance was recorded during non-construction hours.
3/26/25 10:15am	89	N/A	Please see narrative summary below
3/26/25 10:20am	89	N/A	Please see narrative summary below
3/28/25 7:20am	83	N/A	Please see narrative summary below
3/28/25 9:05am	89	N/A	Please see narrative summary below
3/28/25 9:10am	89	N/A	Please see narrative summary below
3/31/25 7:17am	81	N/A	Please see narrative summary below
3/31/25 7:20am	89	N/A	Please see narrative summary below

#### Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of March 2025, a total number of 12 noise monitoring devices were in continuous operation of the project site recording construction related noise levels in units of (dBA) during work hours, Monday-Friday 7am-3pm. During this time, there were 41 instances of noise level above the 78 dBA limit and 28 of these instances occurred outside the construction work hours. These instances occurred on 3/16, 3/22, 3/24, 3/25, 3/26, 3/28, and 3/31.

The exceedances recorded on 3/16, 3/22, and after work hours on 3/25 occurred outside construction work hours, therefore, no corrective actions were taken.

Exceedances recorded on 3/24, 3/25, 3/26, 3/28, and 3/31 during working hours were due to construction activities being in close proximity (20') of the noise monitoring microphone. These exceedances lasted seconds at a time before returning to normal levels. Since the work was necessary to collect soil samples, no corrective actions were taken.

## 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 Vibration Levels above Action Levels by Month	Comments
12	31	1	1 exceedance was recorded over 31 days. This occurred on 3/22/25 and are detailed below.

### Community Vibration Monitoring Excursions and Corrective Actions

Action Level = 0.5 in/sec above background

Stop Work Level = 1.0 in/sec above background

Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
3/22/25 6:04am	0.684	N/A	Exceedance observed at VM-10 was recorded during non-construction hours.

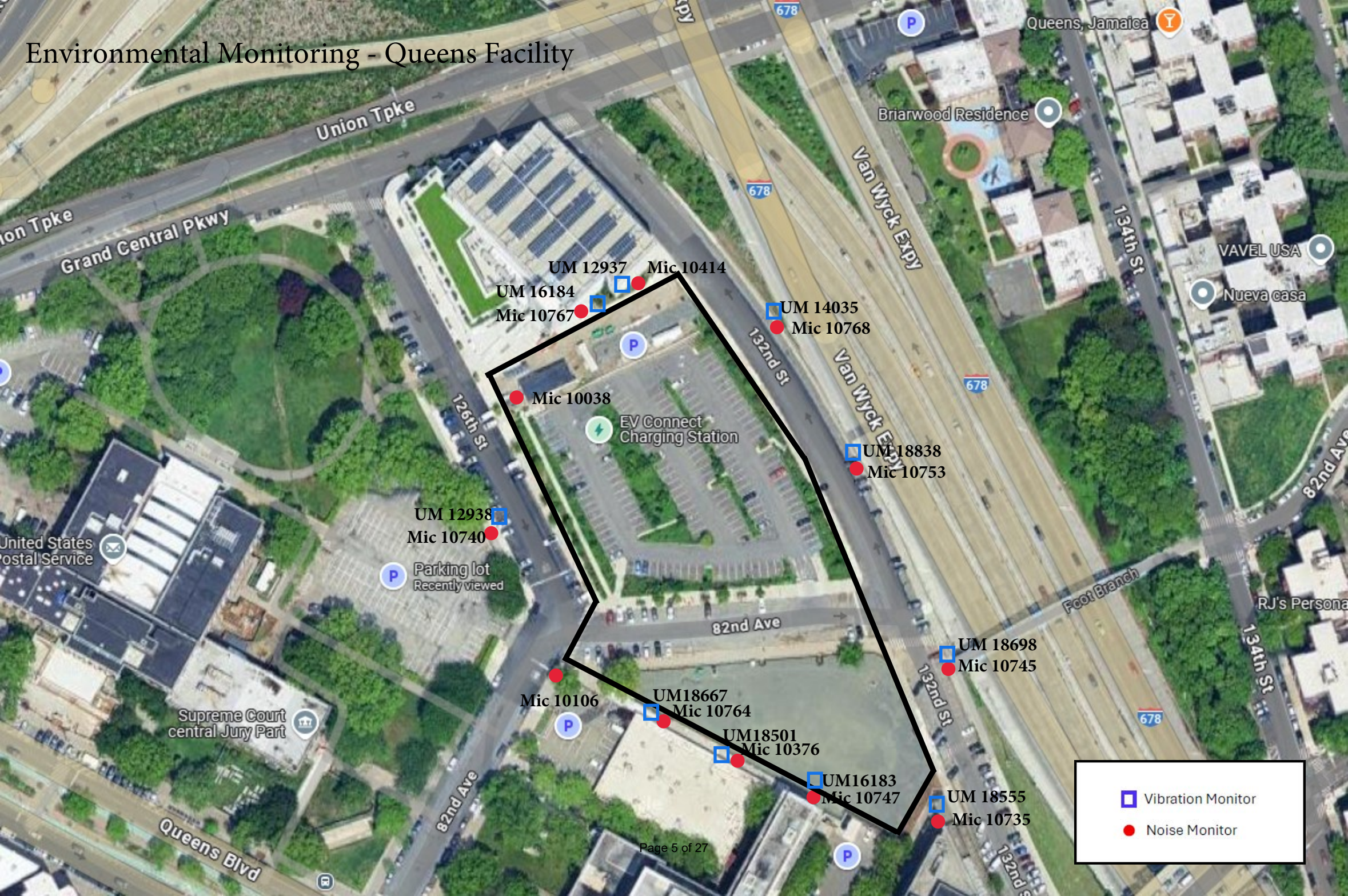
### Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

During the month of March 2025, a total number of 10 vibration monitoring devices were in continuous operation of the project site recording construction related vibration levels in units of (in/sec) during work hours, Monday-Friday 7am-3pm. 1 vibration monitor recorded an exceedance, however, the exceedance occurred outside the construction work hours, therefore no corrective action was taken.

# Attachments

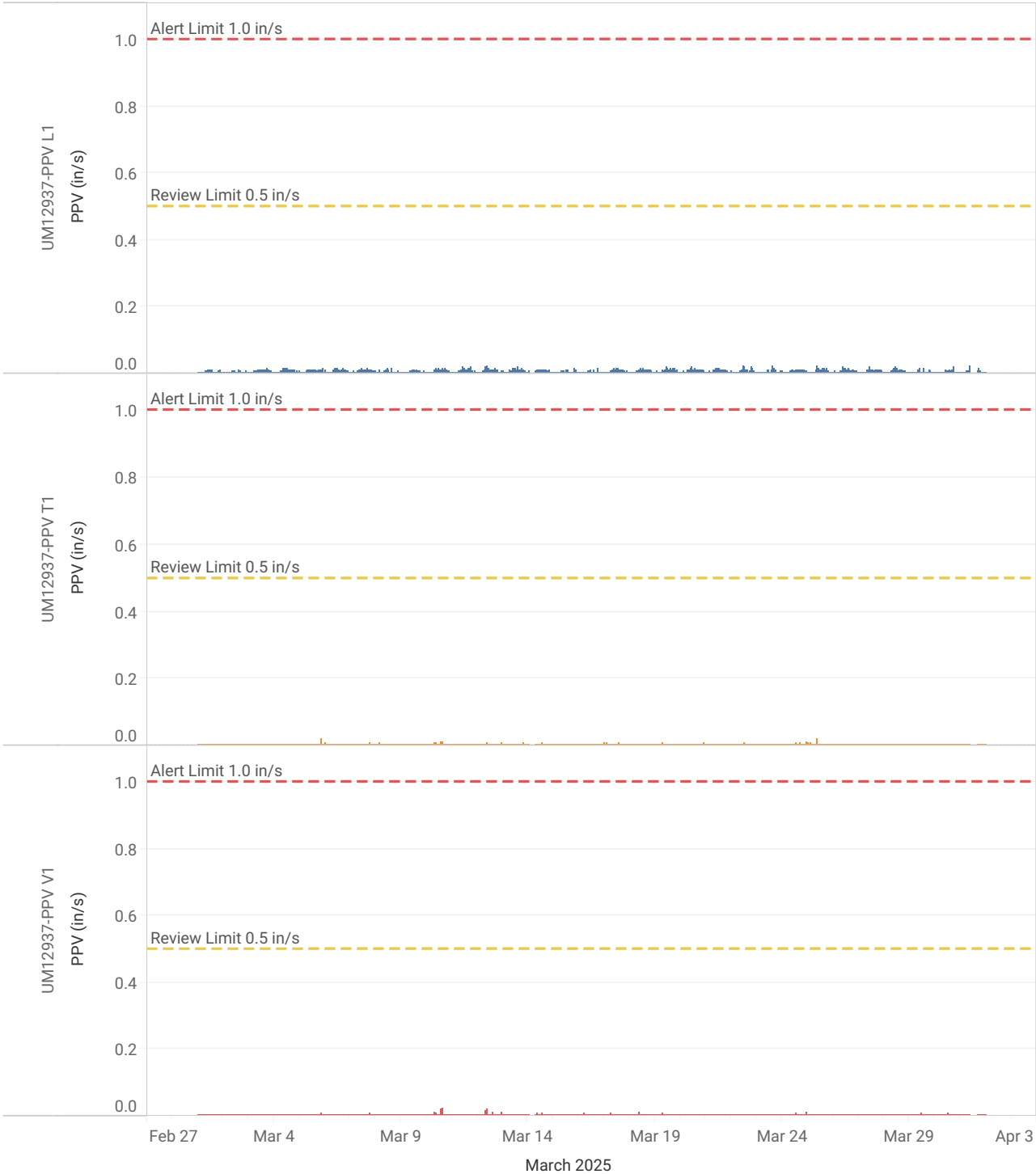


# Environmental Monitoring - Queens Facility

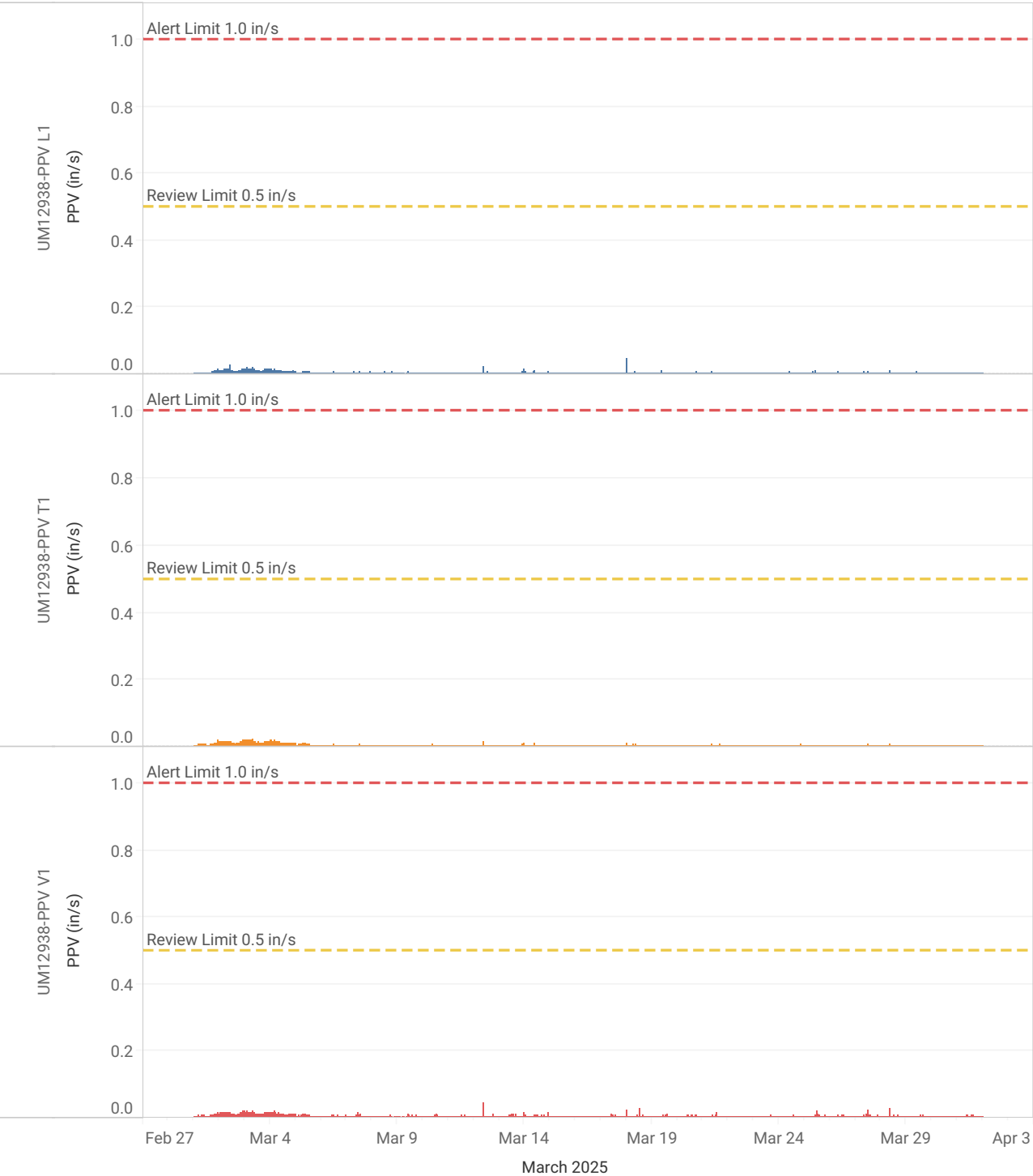




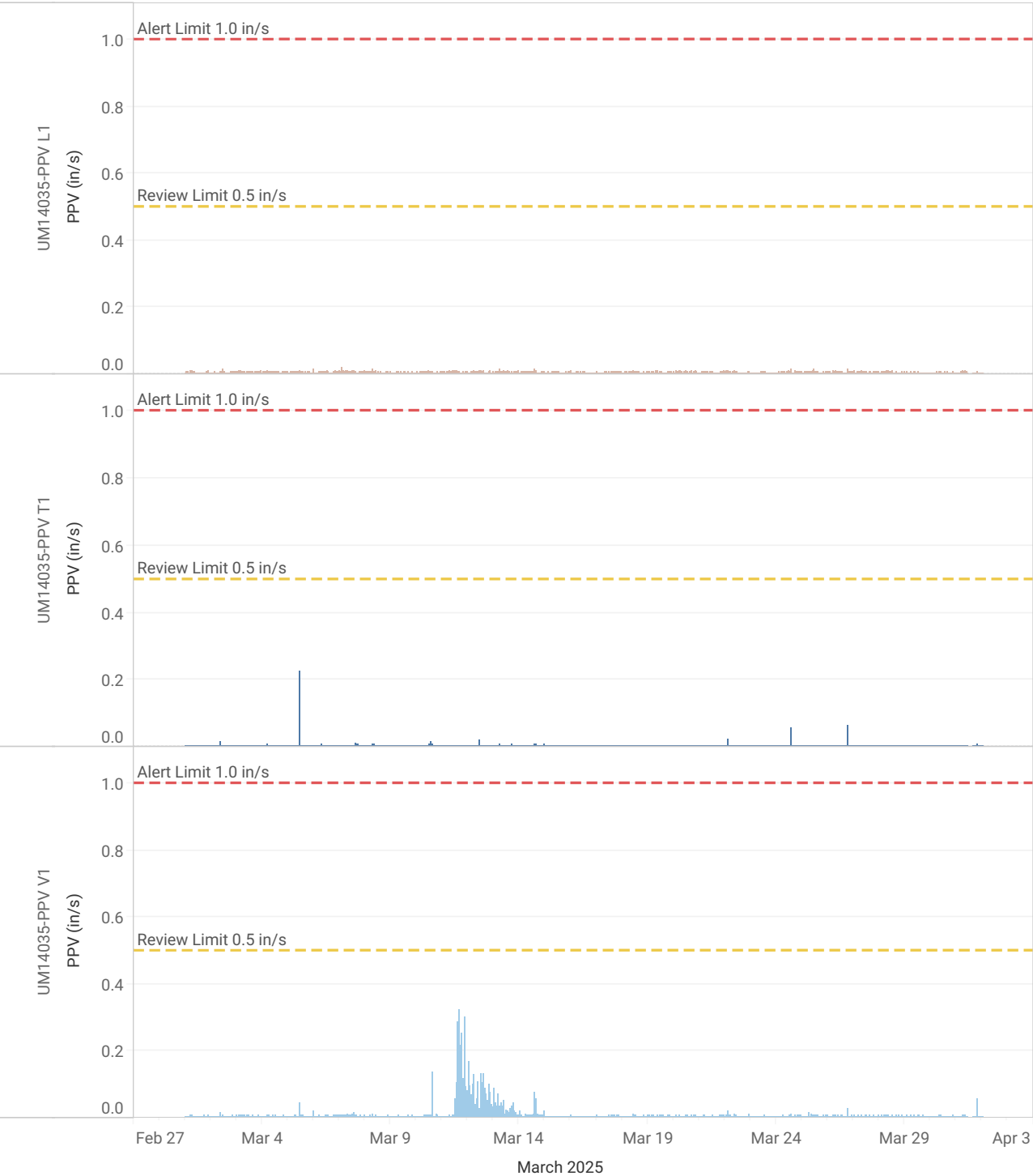
VM-01 UM12937



VM-02 UM12938

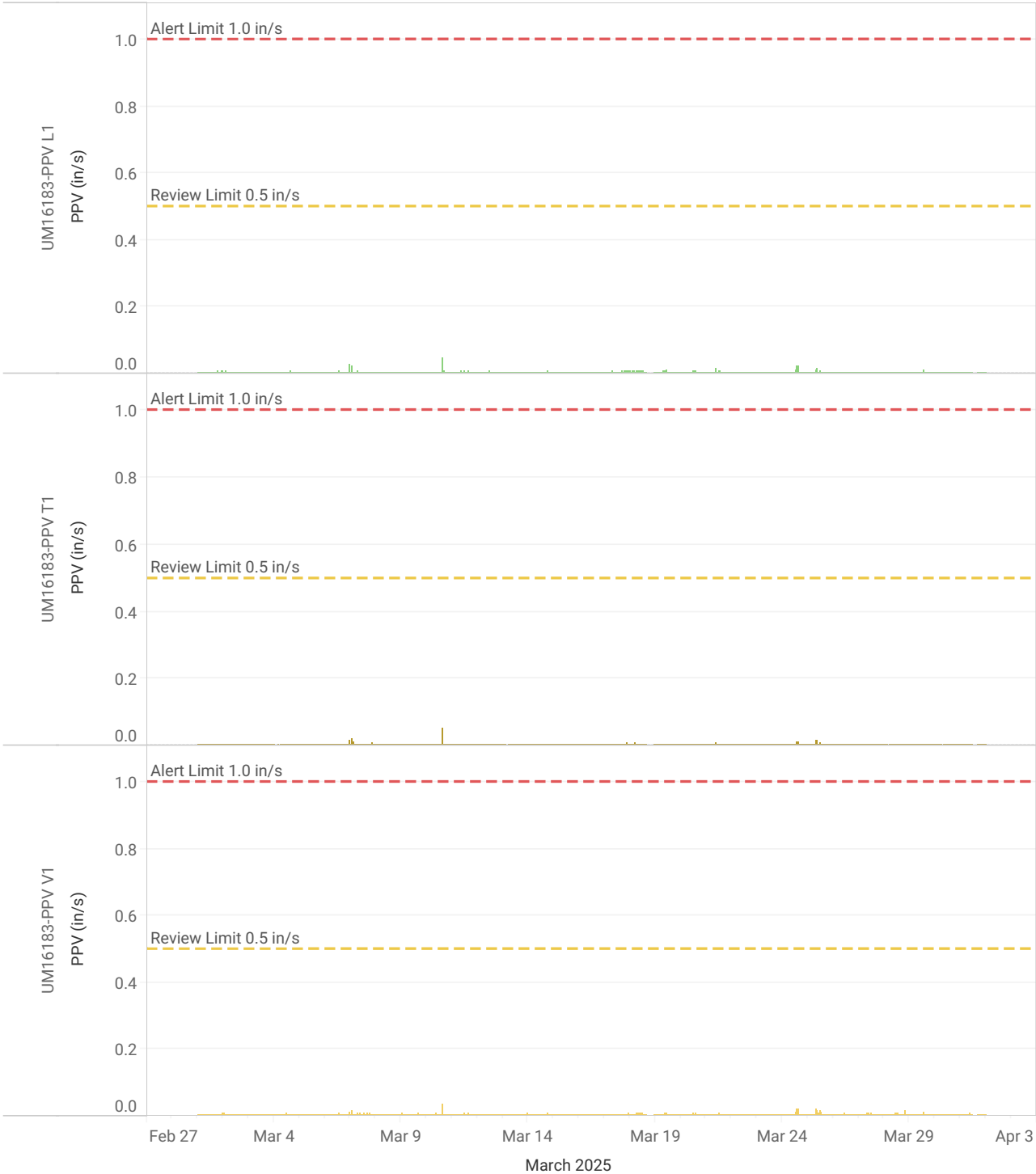


VM-04 UM14035

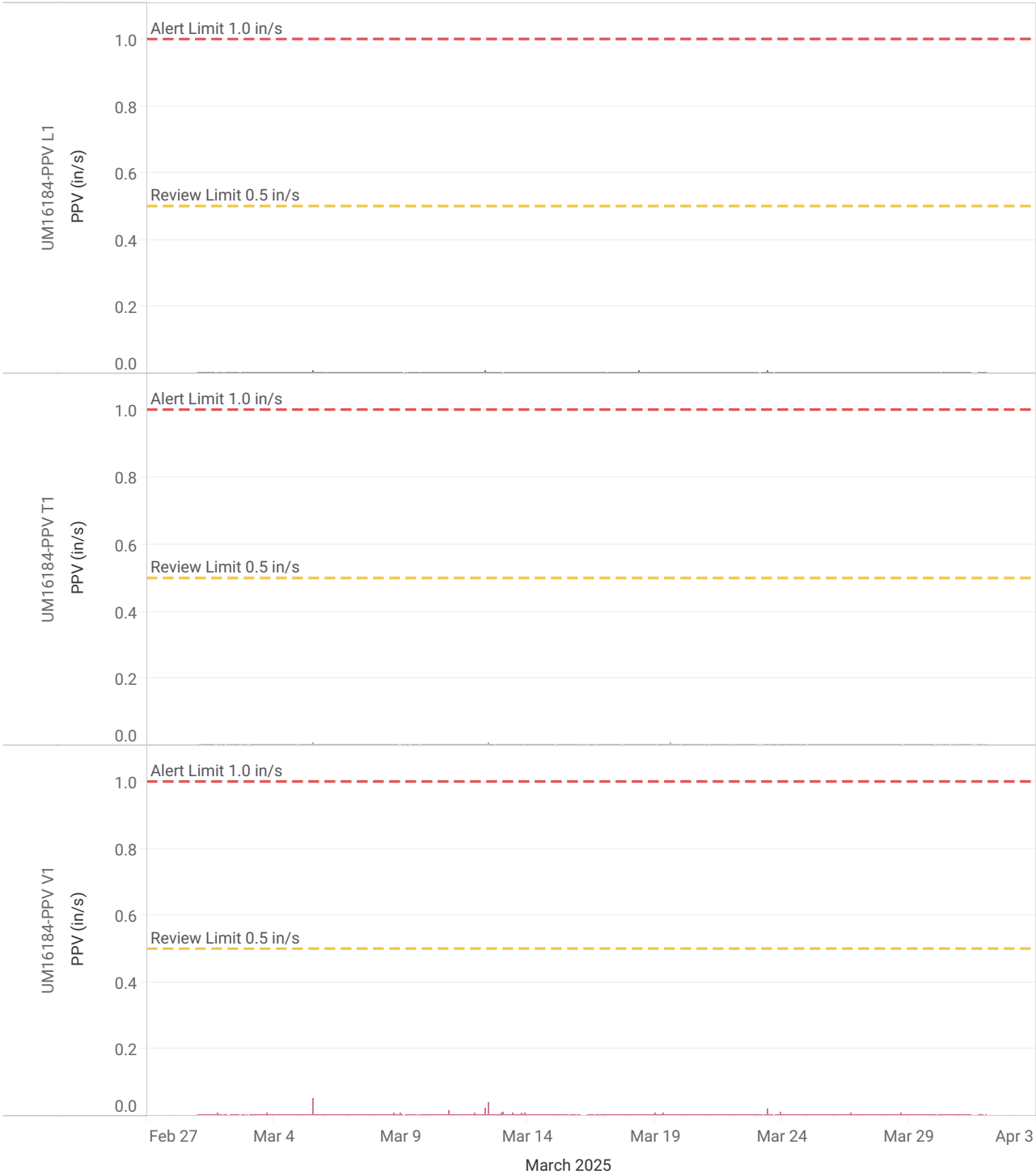




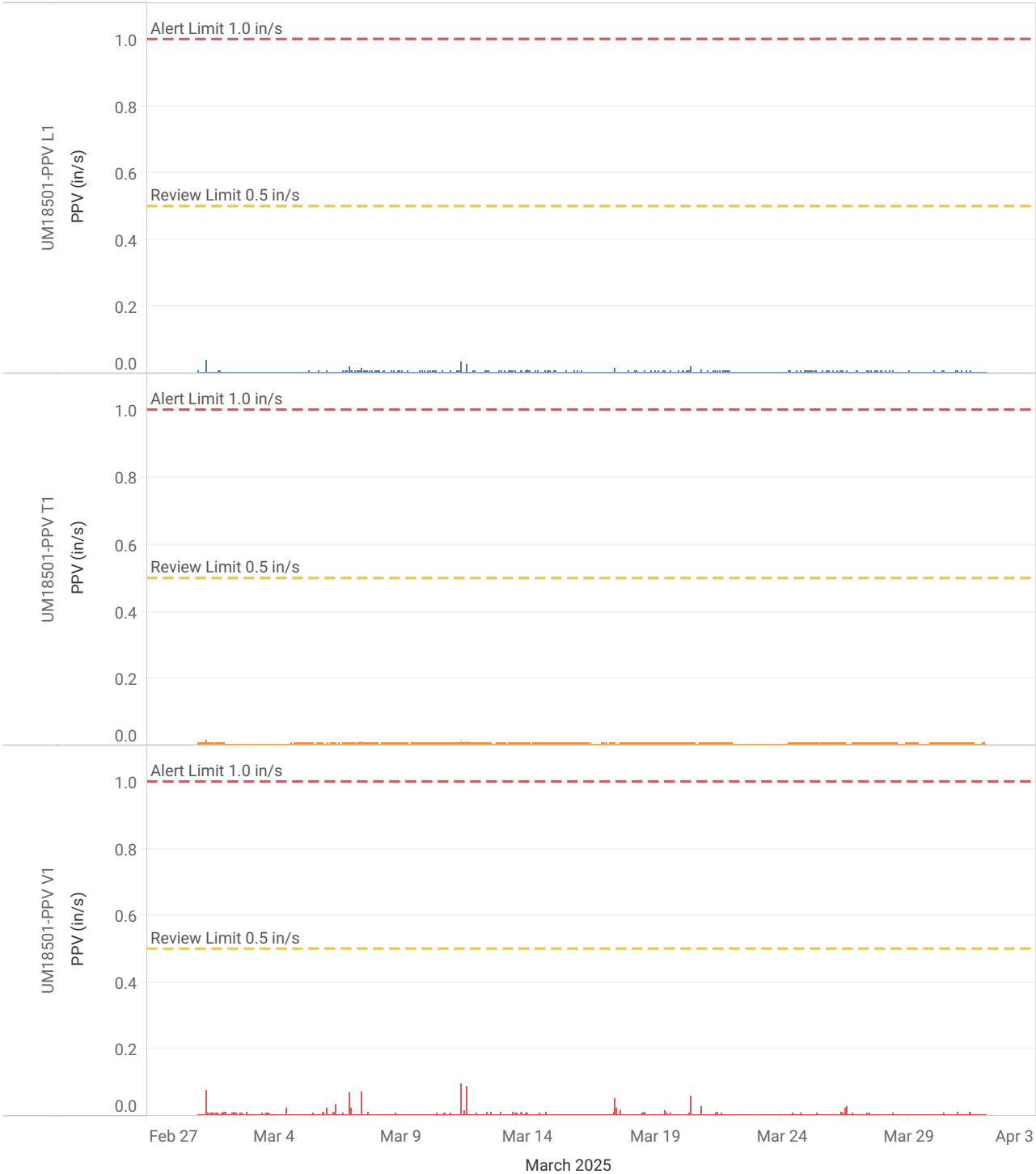
VM-05 UM16183



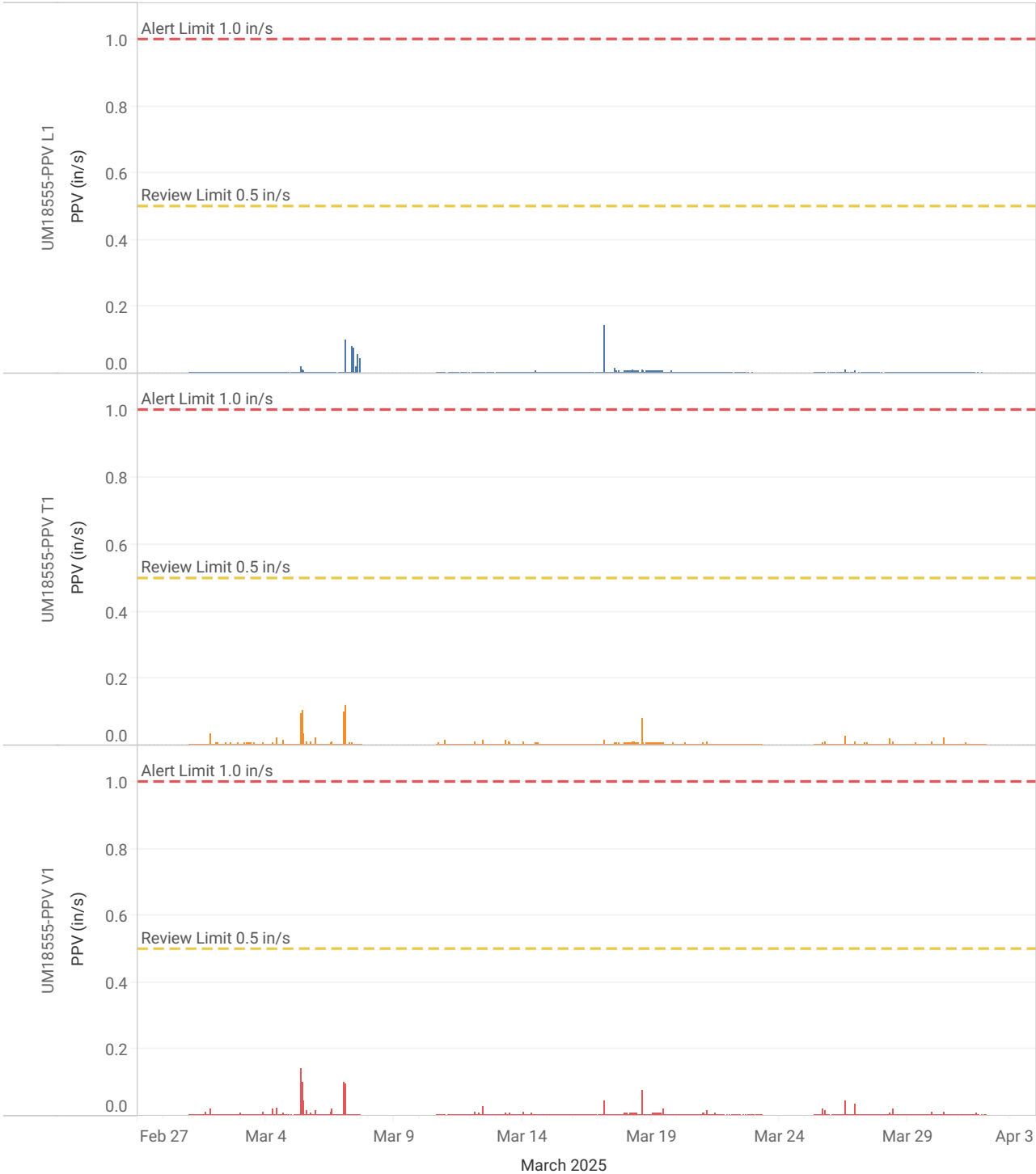
VM-06 UM16184



VM-07 UM18501

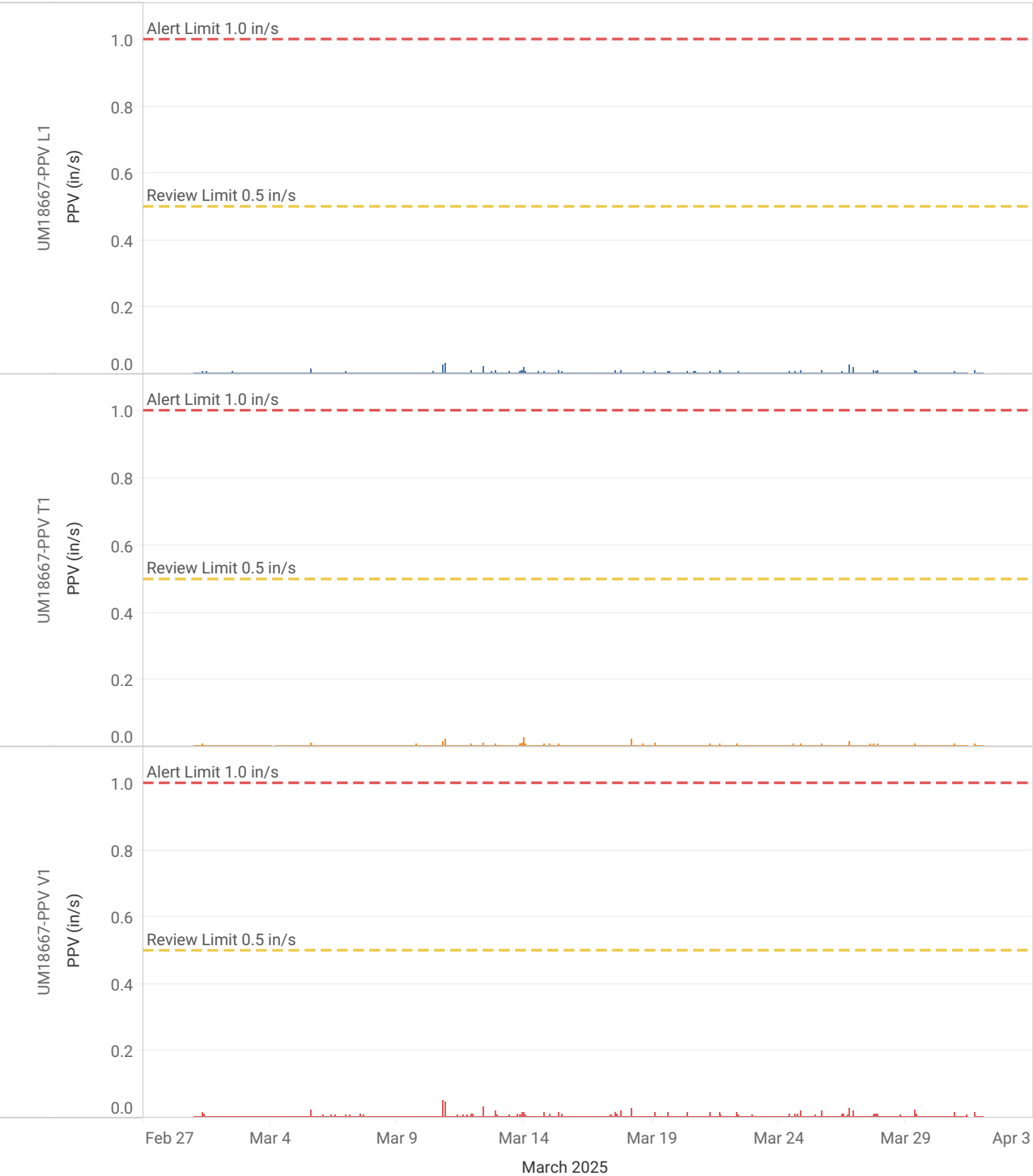


VM-08 UM18555

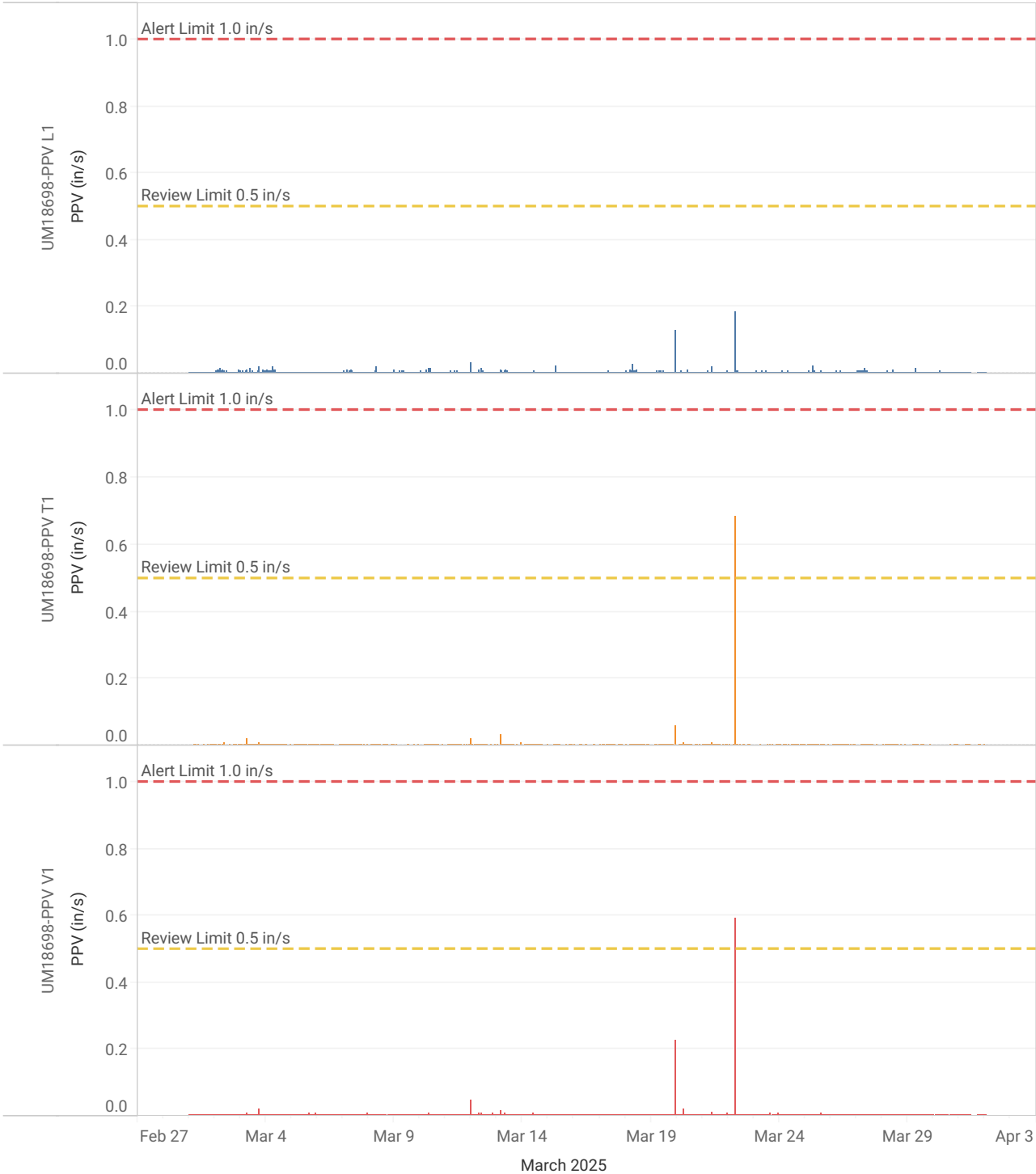




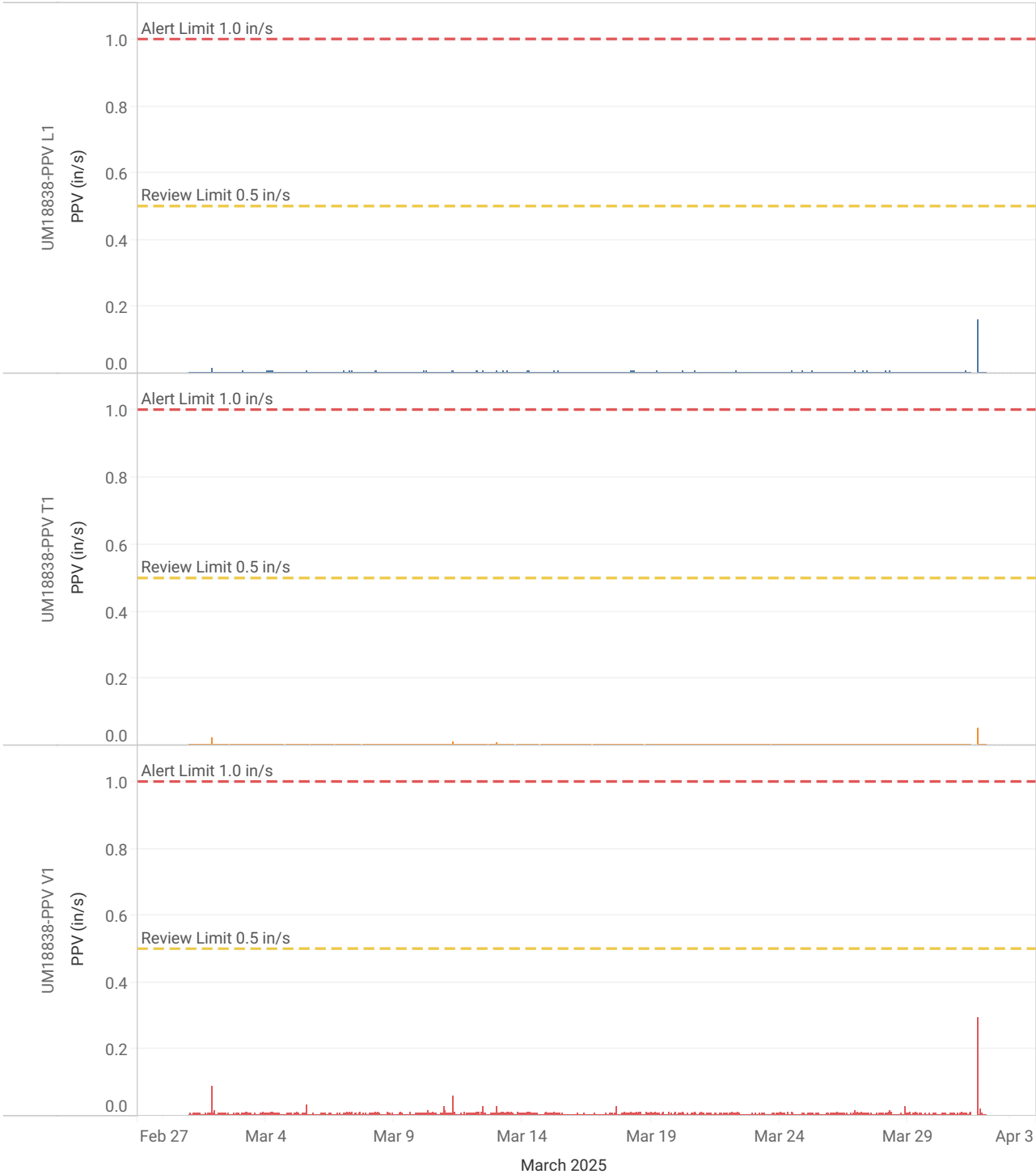
VM-09 UM18667



VM-10 UM18698

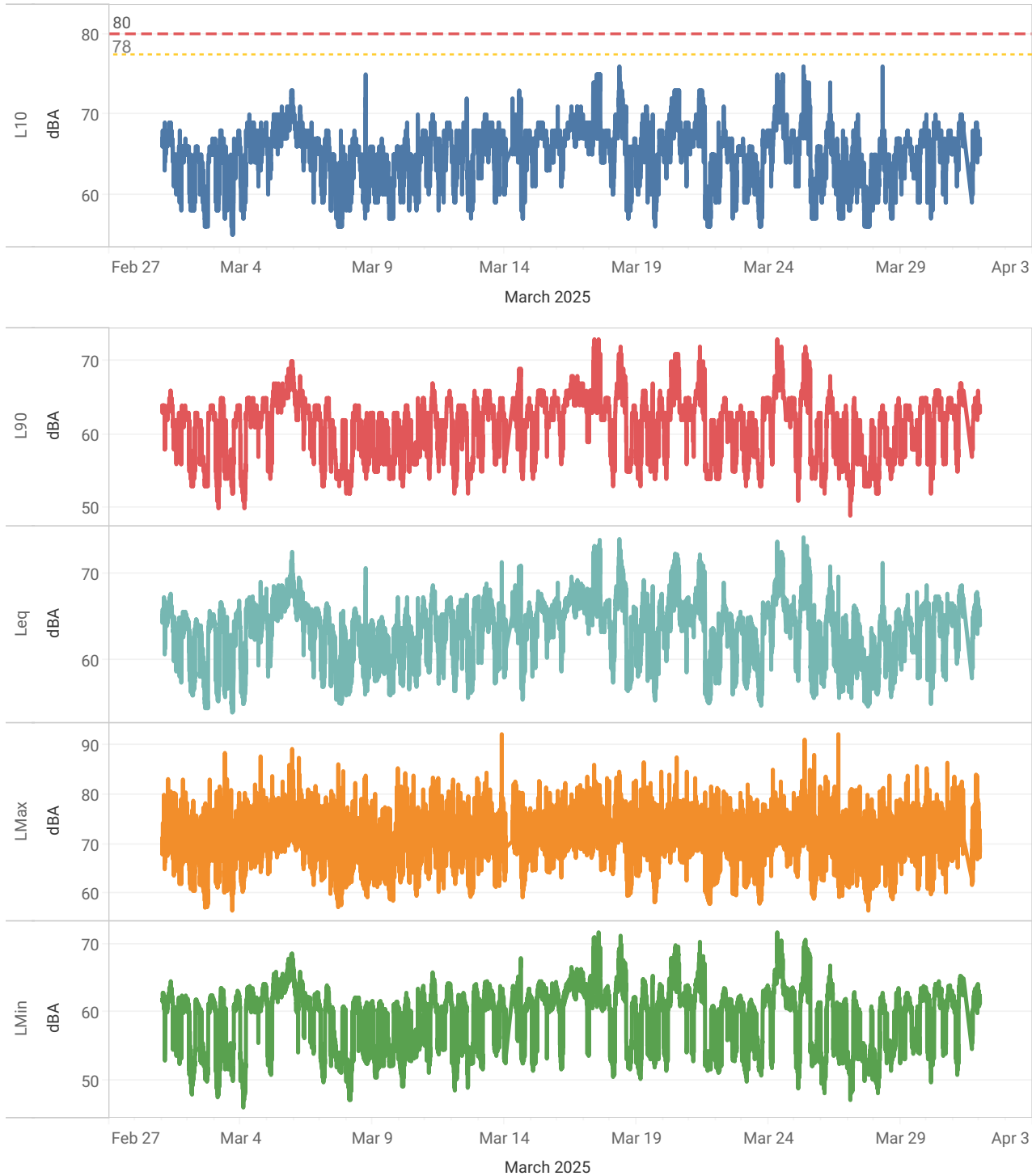


VM-12 UM18838



----- Stop Work Level  
----- Action Level

SLM-Mic 10414

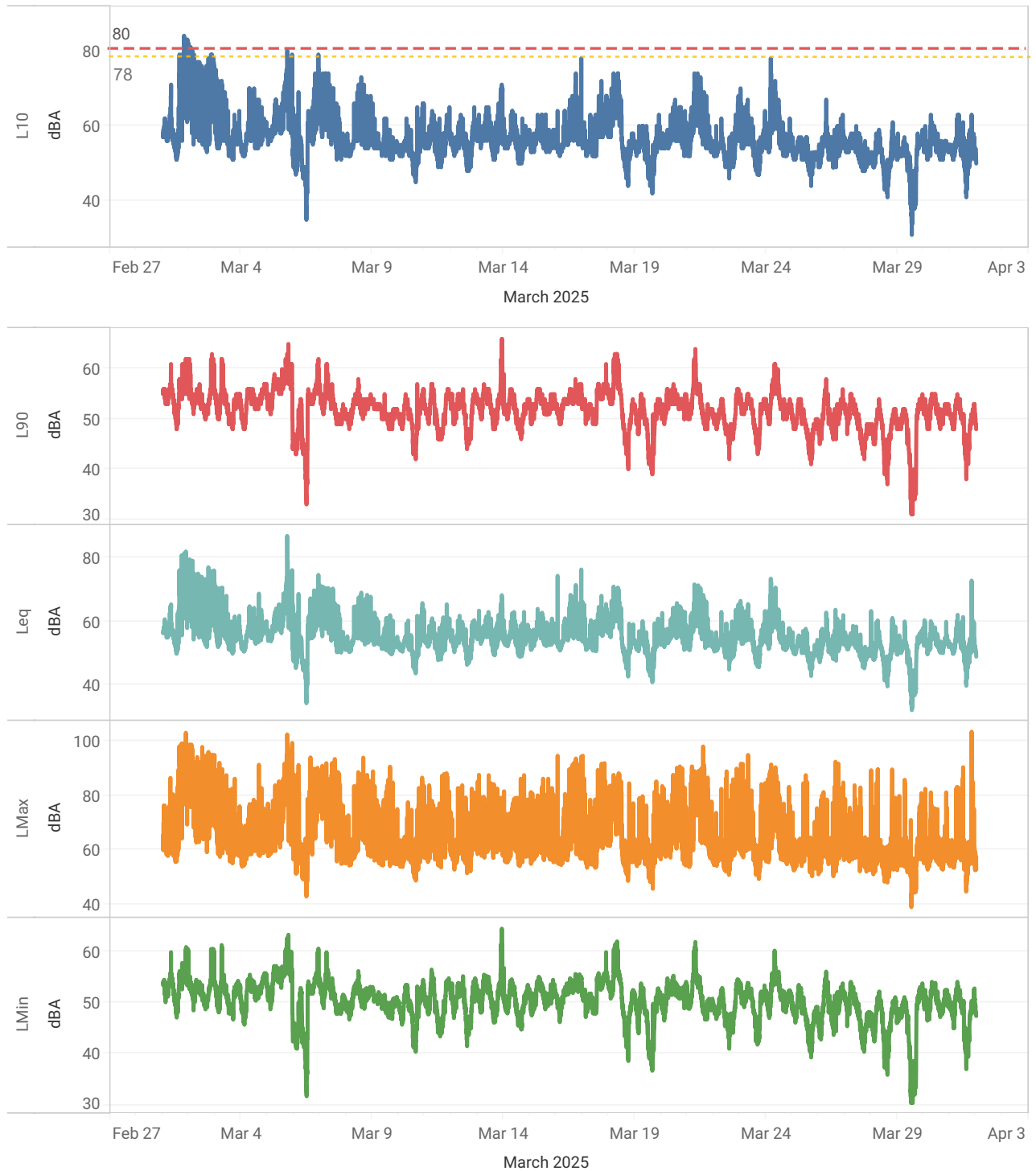


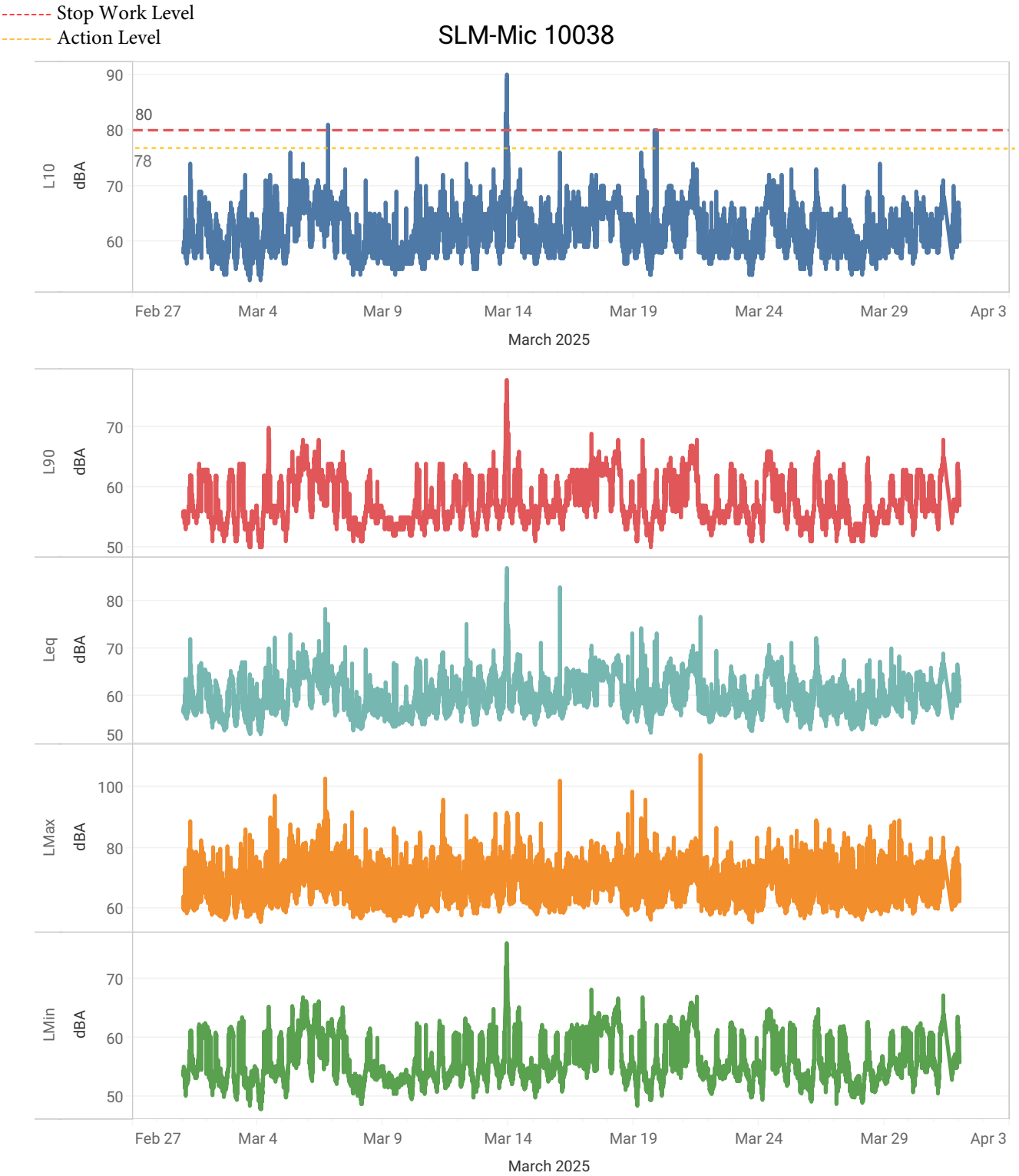


# Noise Monitoring Report

----- Stop Work Level  
----- Action Level

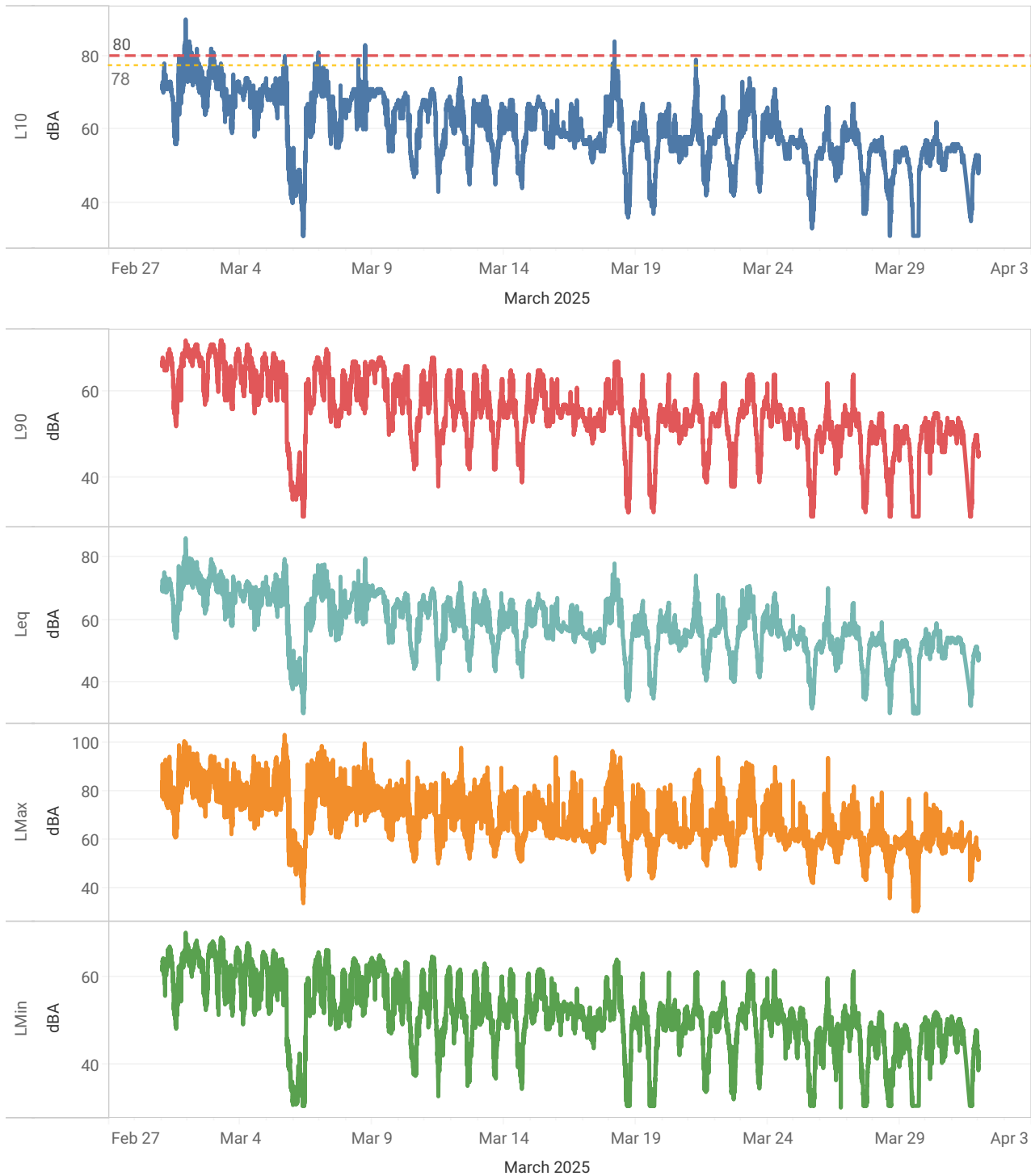
SLM-Mic 10740





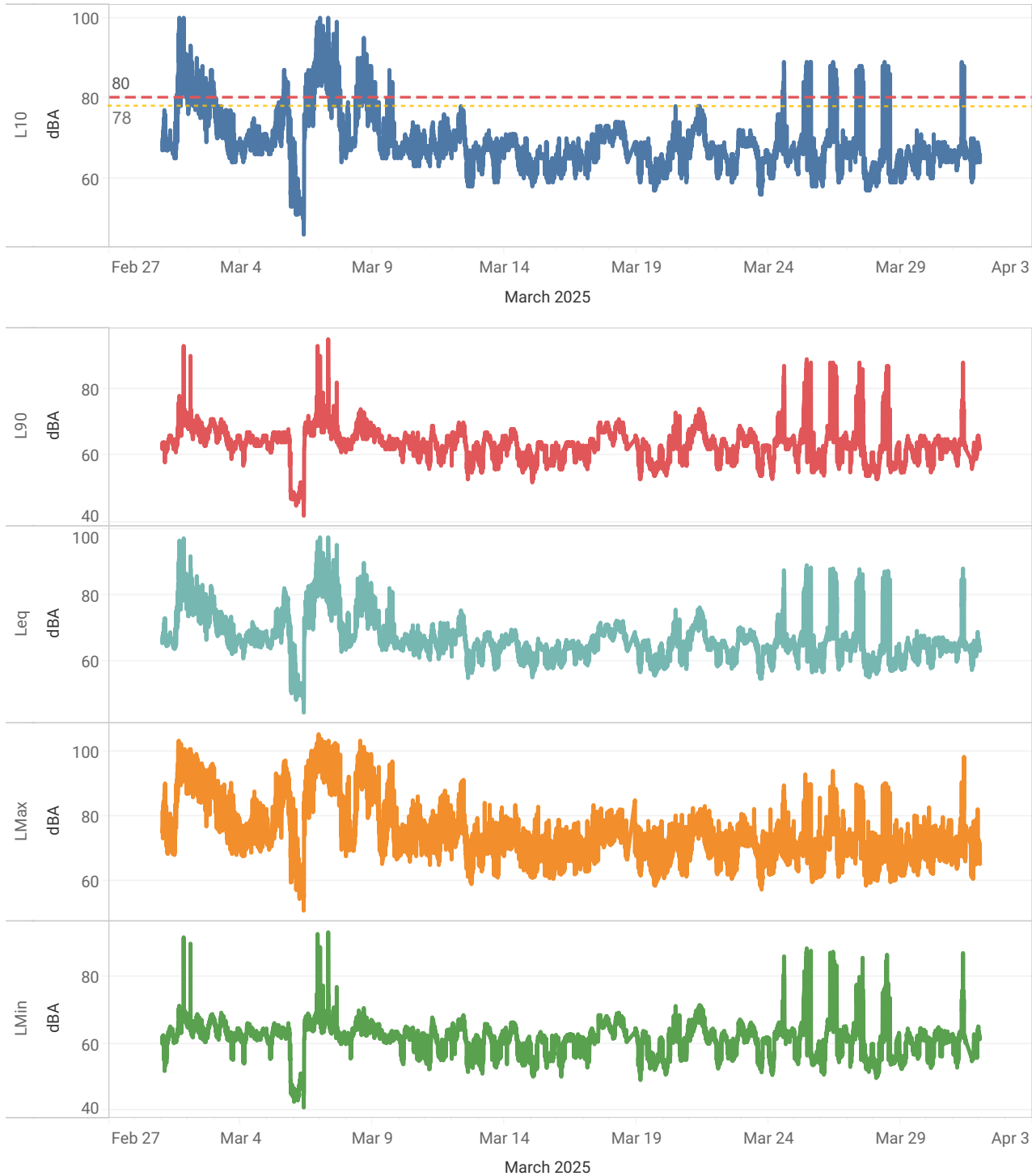
----- Stop Work Level  
----- Action Level

SLM-Mic 10768



----- Stop Work Level  
----- Action Level

SLM-Mic 10747

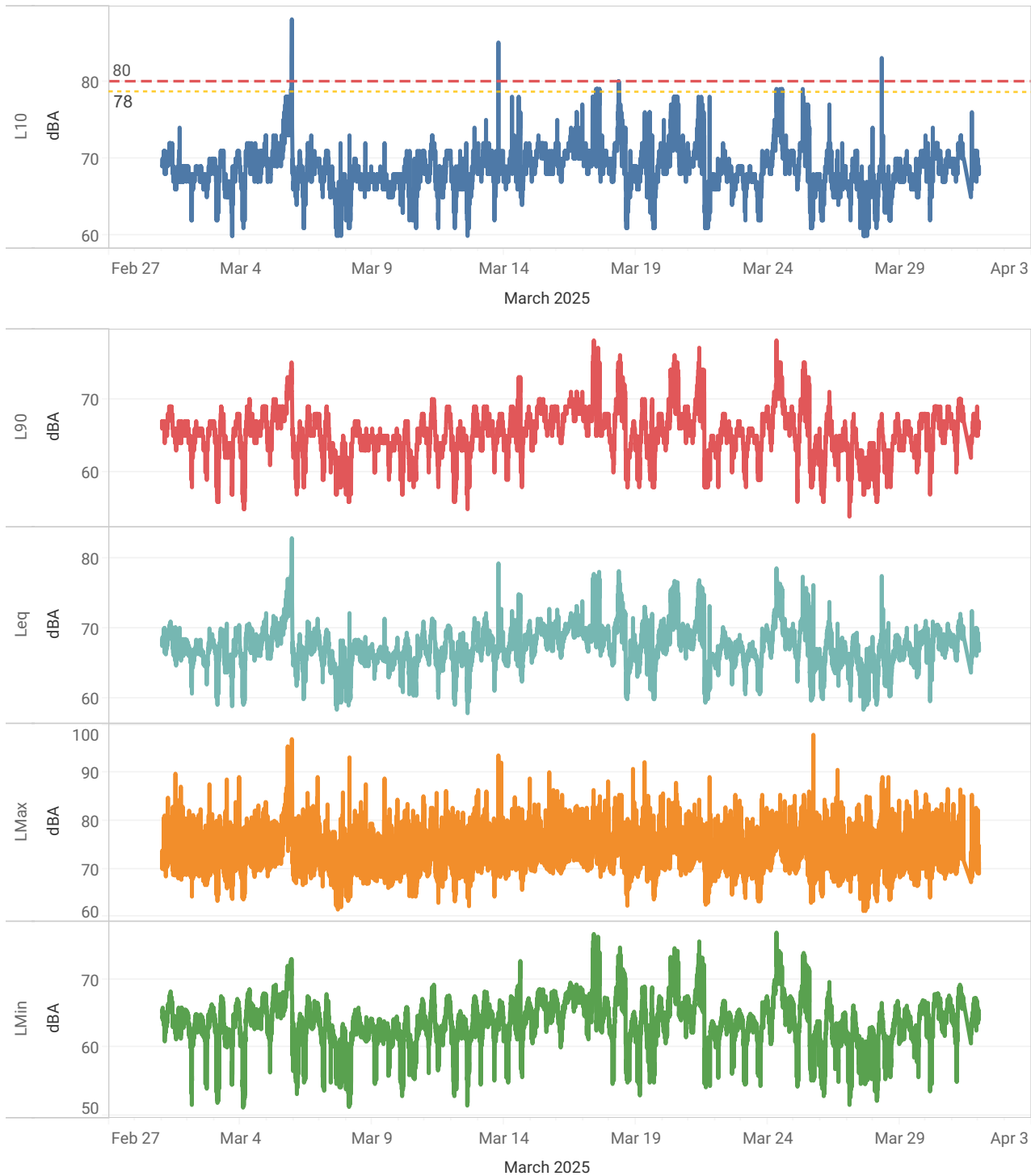




Noise Monitoring Report

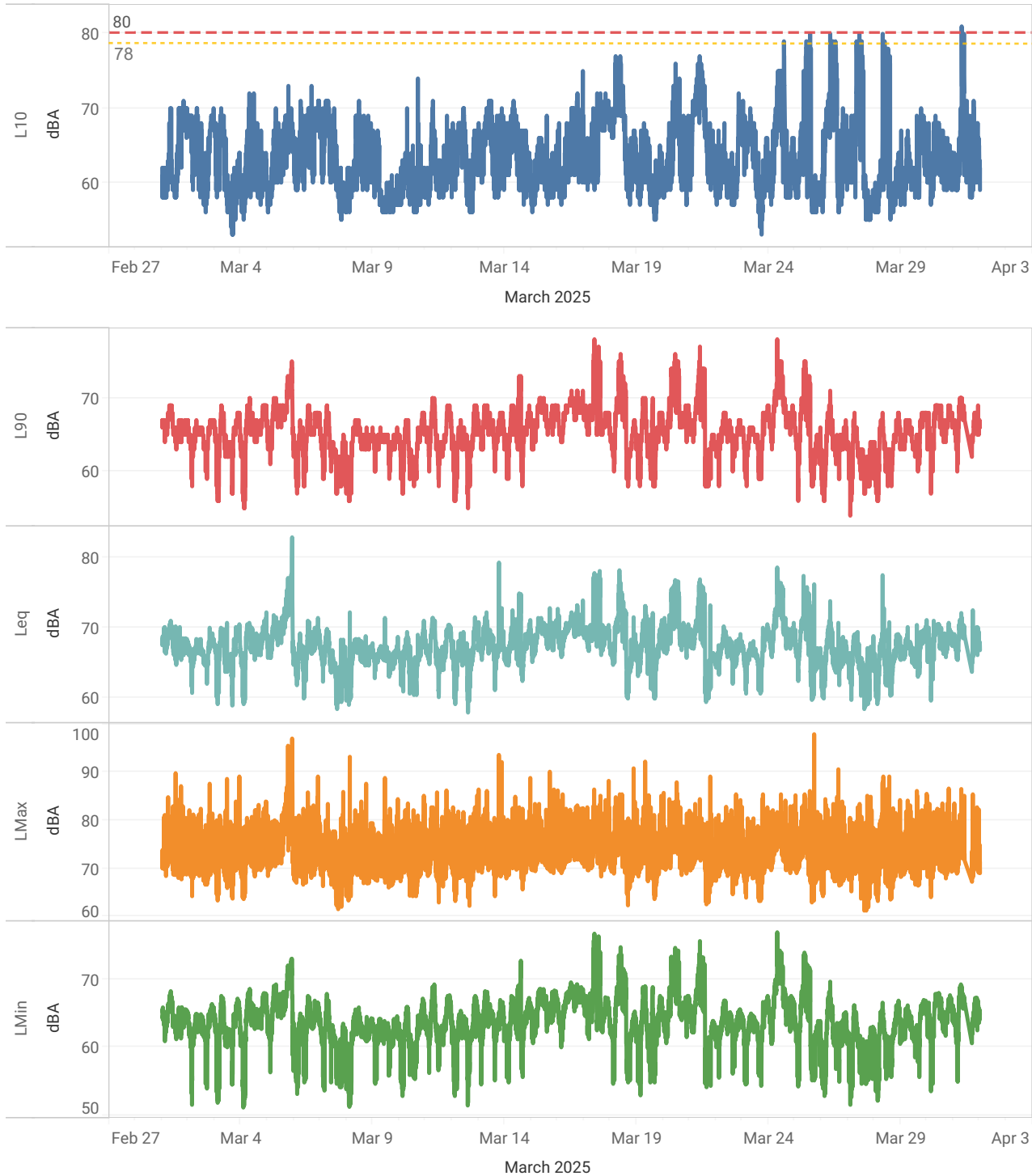
----- Stop Work Level  
----- Action Level

SLM-Mic 10767



----- Stop Work Level  
----- Action Level

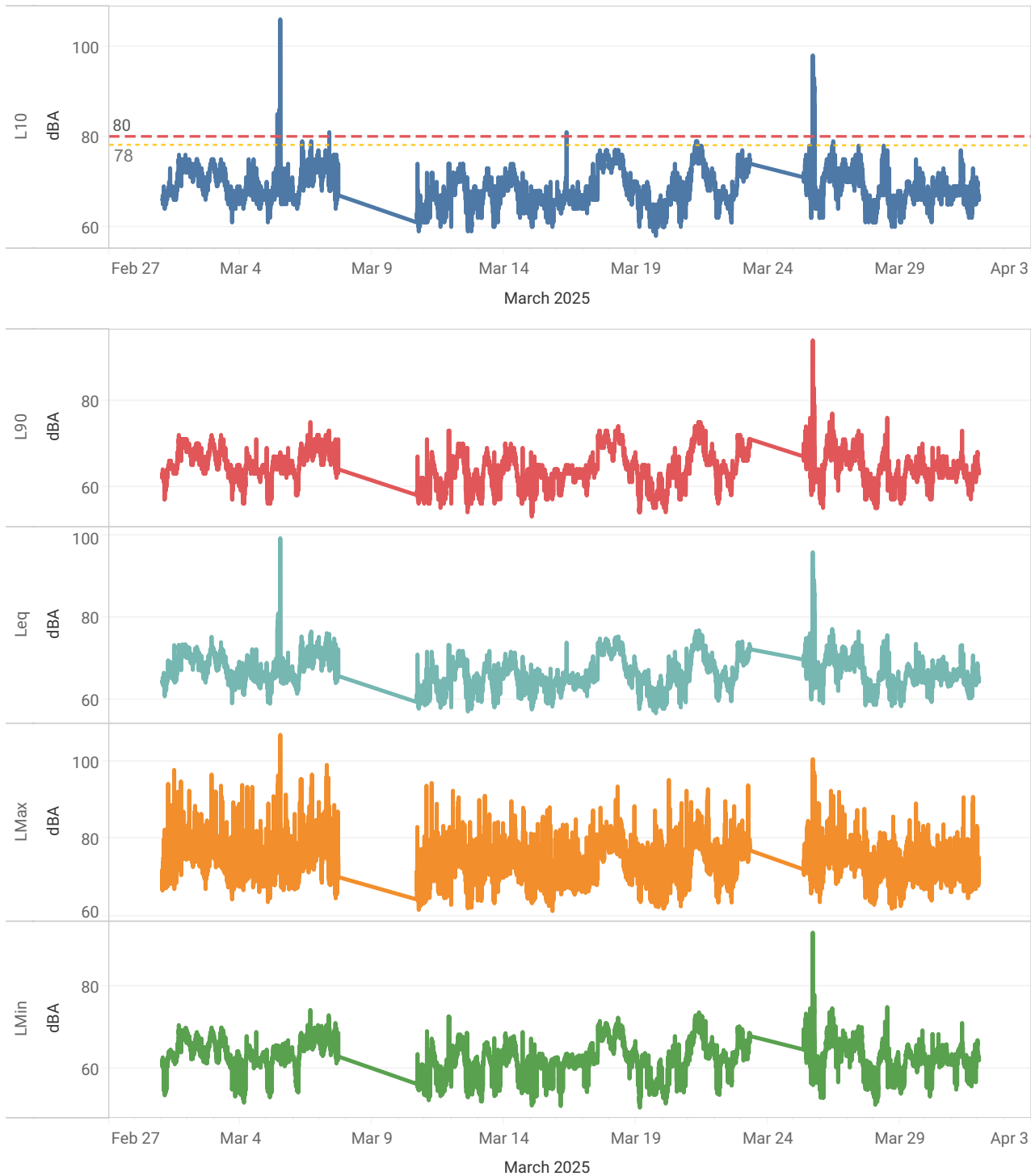
SLM-Mic 10376



Noise Monitoring Report

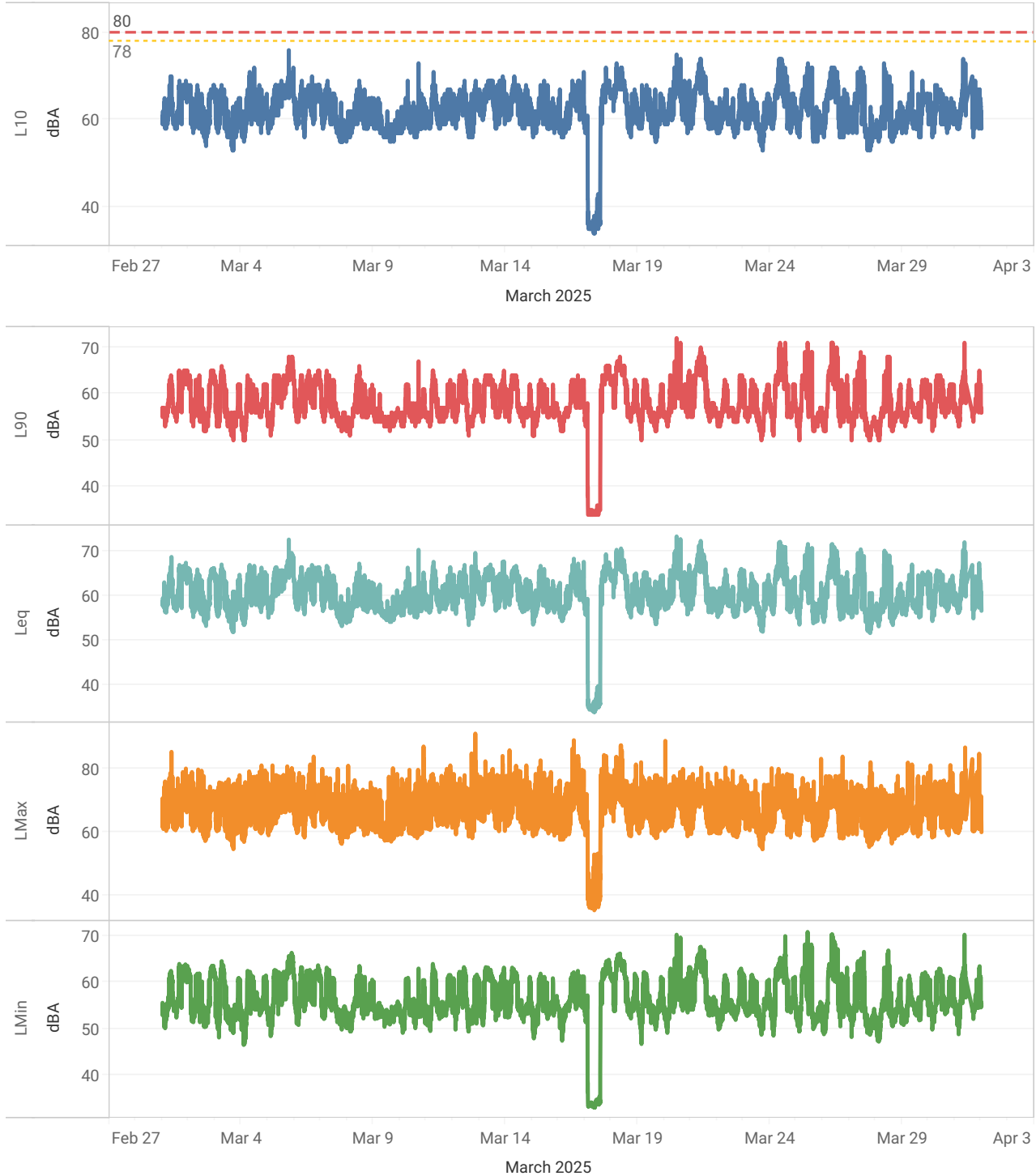
----- Stop Work Level  
----- Action Level

SLM-Mic 10735



----- Stop Work Level  
----- Action Level

SLM-Mic 10764





Noise Monitoring Report

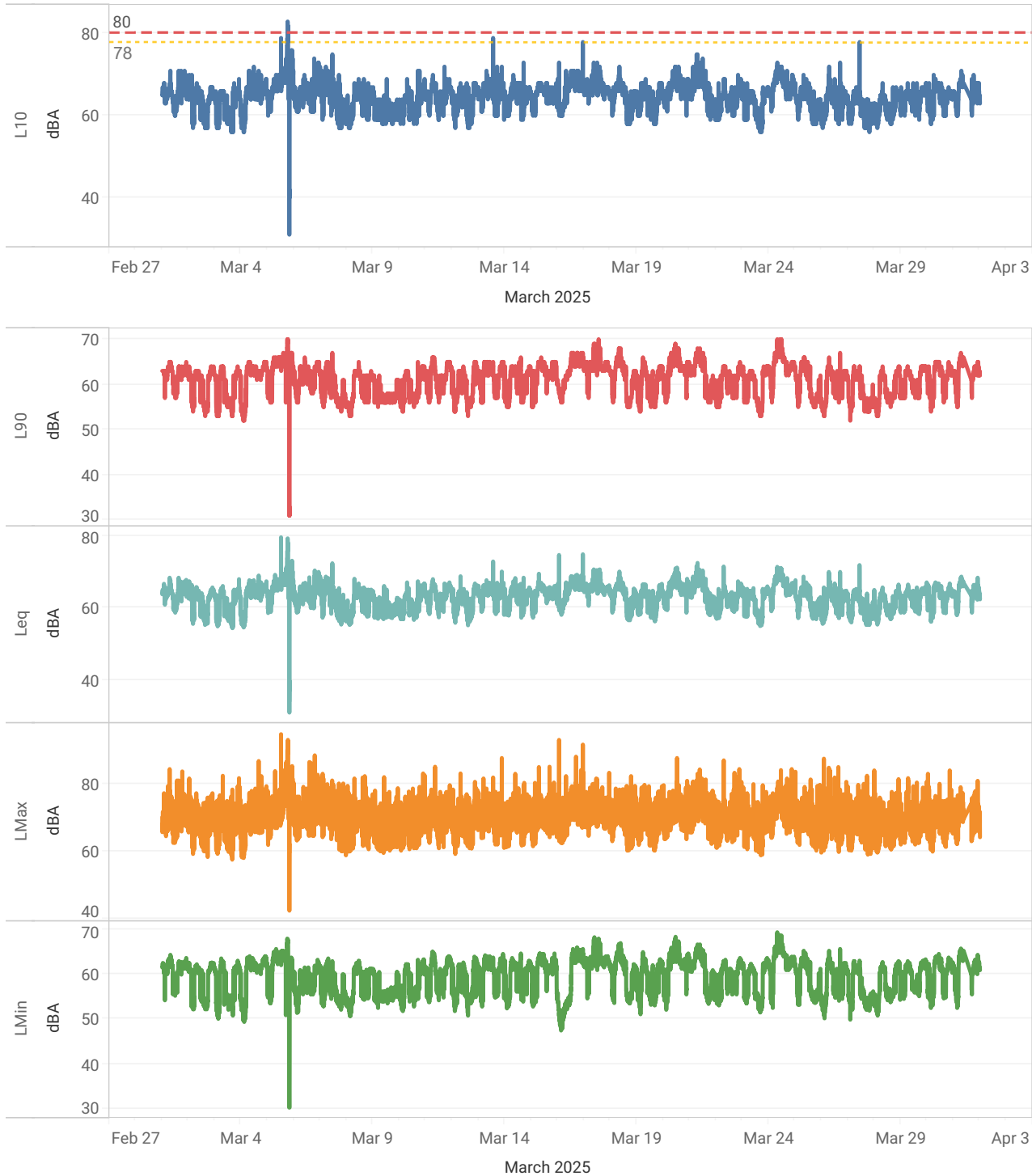
----- Stop Work Level  
----- Action Level

SLM-Mic 10745



----- Stop Work Level  
----- Action Level

SLM-Mic 10106



----- Stop Work Level  
----- Action Level

SLM-Mic 10753

