

NOISE AND VIBRATION MONTHLY MONITORING REPORT April 2025

Prepared By:

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DDC. Project ID:	BBJ QFAC	Period Start: 4/1/25 End 4/30/25
Project Name:	NYC Borough-Based Jails System – Queens Facility	
DDC Pin No.:	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
14	30	10	38 exceedances were recorded over 30 days. These occurred on 4/4, 4/10, 4/13, 4/14, 4/16, 4/17, 4/18, 4/19, 4/23, and 4/26 and are detailed below.

Community Noise Monitoring Excursions and Corrective Actions

Action Level = 78 dBA

Stop Level = 80 dBA

Date: Time	Maximum Noise Reading before Corrective Action (DBA)	Maximum Noise Reading after Corrective Action (DBA)	Corrective Action
4/4/25 8:20am	82	70	Please see narrative summary below
4/4/25 9:32am	81	76	Please see narrative summary below
4/4/25 9:37am	81	76	Please see narrative summary below
4/10/25 1:05pm	85	75	Please see narrative summary below
4/13/25 7:40am	82	N/A	Exceedance was recorded during non-construction hours.
4/14/25 1:22pm	91	72	Please see narrative summary below
4/14/25 1:26pm	83	76	Please see narrative summary below
4/14/25 1:27pm	85	72	Please see narrative summary below
4/14/25 1:31pm	91	76	Please see narrative summary below
4/16/25 10:20am	81	73	Please see narrative summary below
4/17/25 7:45am	81	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/17/25 9:40am	84	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/17/25 9:42am	81	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/17/25 10:07am	83	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/17/25 12:27pm	91	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.

4/17/25 12:29pm	86	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/17/25 1:22pm	86	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:29am	83	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:30am	85	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:32am	81	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:35am	86	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:37am	89	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:41am	93	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:44am	98	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 7:50am	82	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:00am	101	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:02am	106	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:03am	87	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:06am	82	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:08am	86	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 11:59am	81	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 12:02pm	88	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 12:22pm	87	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 12:35pm	90	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/19/25 10:02am	85	N/A	Exceedance was recorded during non-construction hours.
4/19/25 11:40am	81	N/A	Exceedance was recorded during non-construction hours.
4/23/25 5:52pm	81	N/A	Exceedance was recorded during non-construction hours.

4/26/25 9:59am	82	N/A	Exceedance was recorded during non-construction hours.
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Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of April 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 the work hours, Monday-Friday 7am-3pm. There were 38 instances of noise level above the 78 dBA limit. These instances occurred on 4/4, 4/10, 4/13, 4/14, 4/16, 4/17, 4/18, 4/19, 4/23, and 4/26.

The exceedances recorded on 4/13, 4/19, 4/23, and 4/26 occurred outside construction work hours, therefore, no corrective actions were taken.

Exceedances recorded on 4/17 and 4/18 were due to construction activities outside the project site.

For exceedances on 4/4, 4/10, 4/14, and 4/16, work was stopped, and corrective actions were implemented by adjusting the drill rig and ensuring levels were reduced below 78 dBA.

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
14	30	1	2 exceedances were recorded over 30 days. These occurred on 4/18/25 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

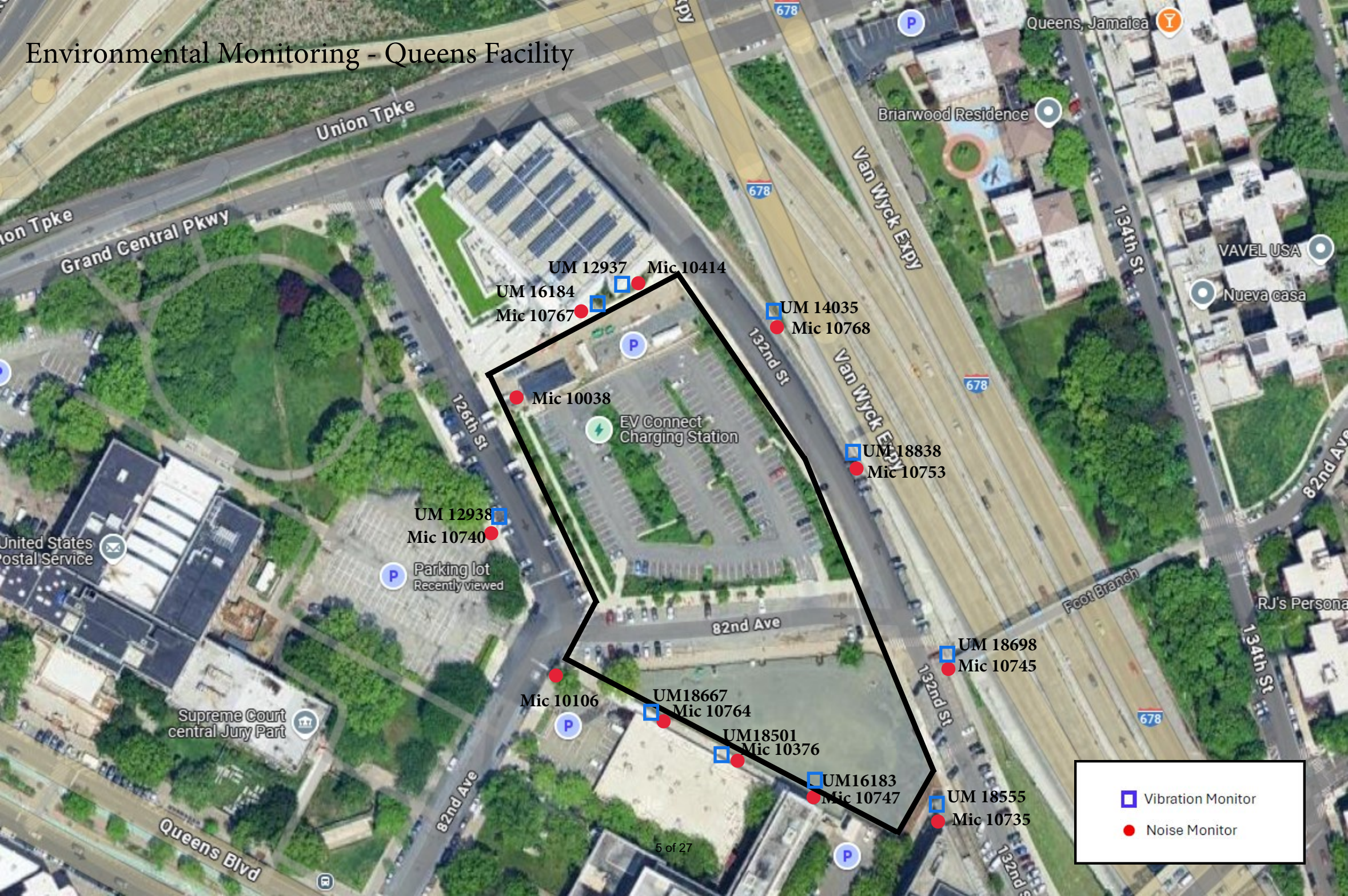
Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
4/18/25 7:37am	1.181	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.
4/18/25 8:03am	1.585	N/A	Exceedance due to construction activity outside the project site. Please see narrative summary below.

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

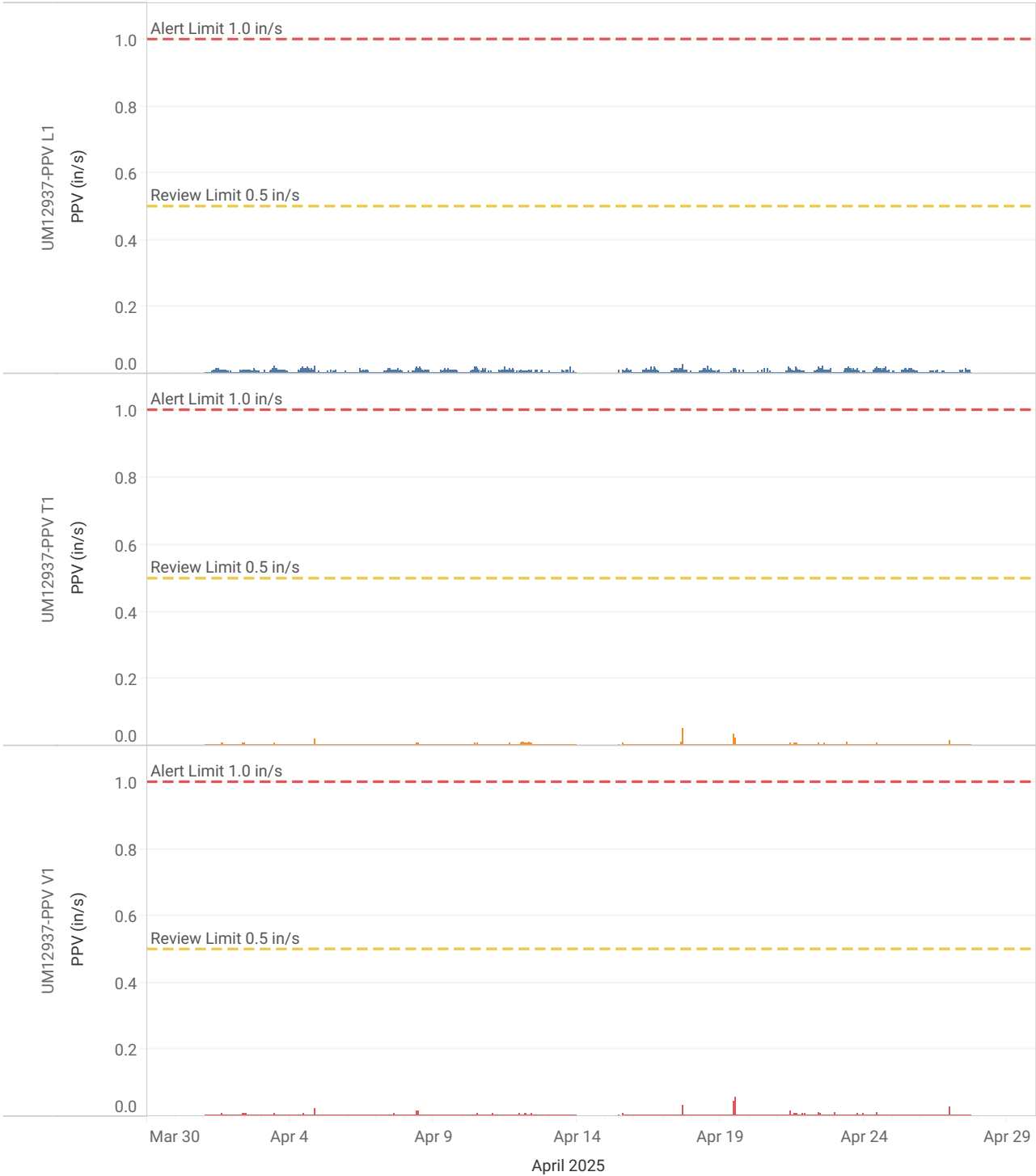
During the month of April 2025, a total number of 10 vibration monitoring devices were in continuous operation of the project site recording construction related vibration levels in units of (in/sec) during the work hours, Monday-Friday 7am-3pm. 1 vibration monitor recorded exceedances, however, the exceedances were due to construction activities outside the project site.

Attachments

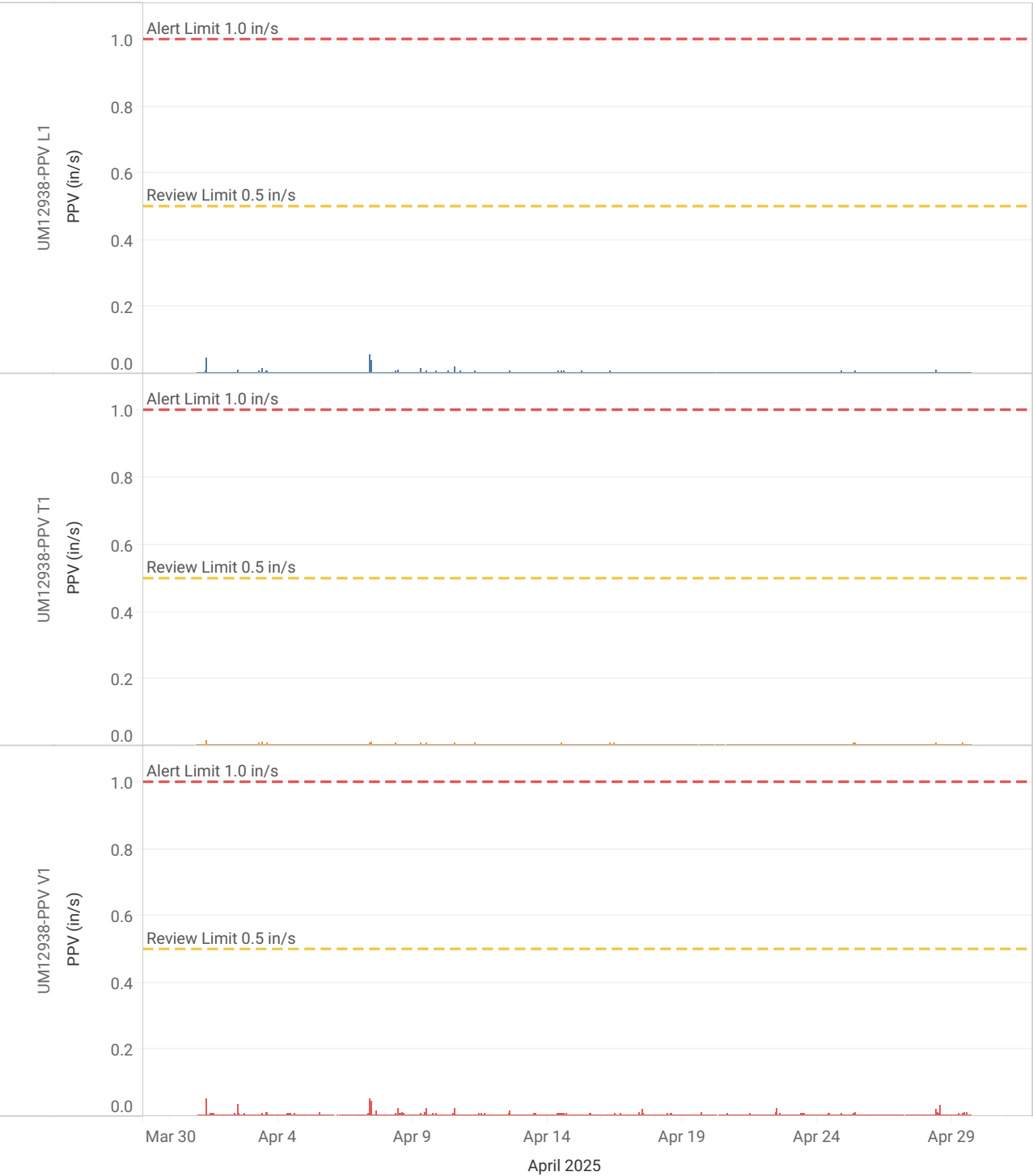
Environmental Monitoring - Queens Facility



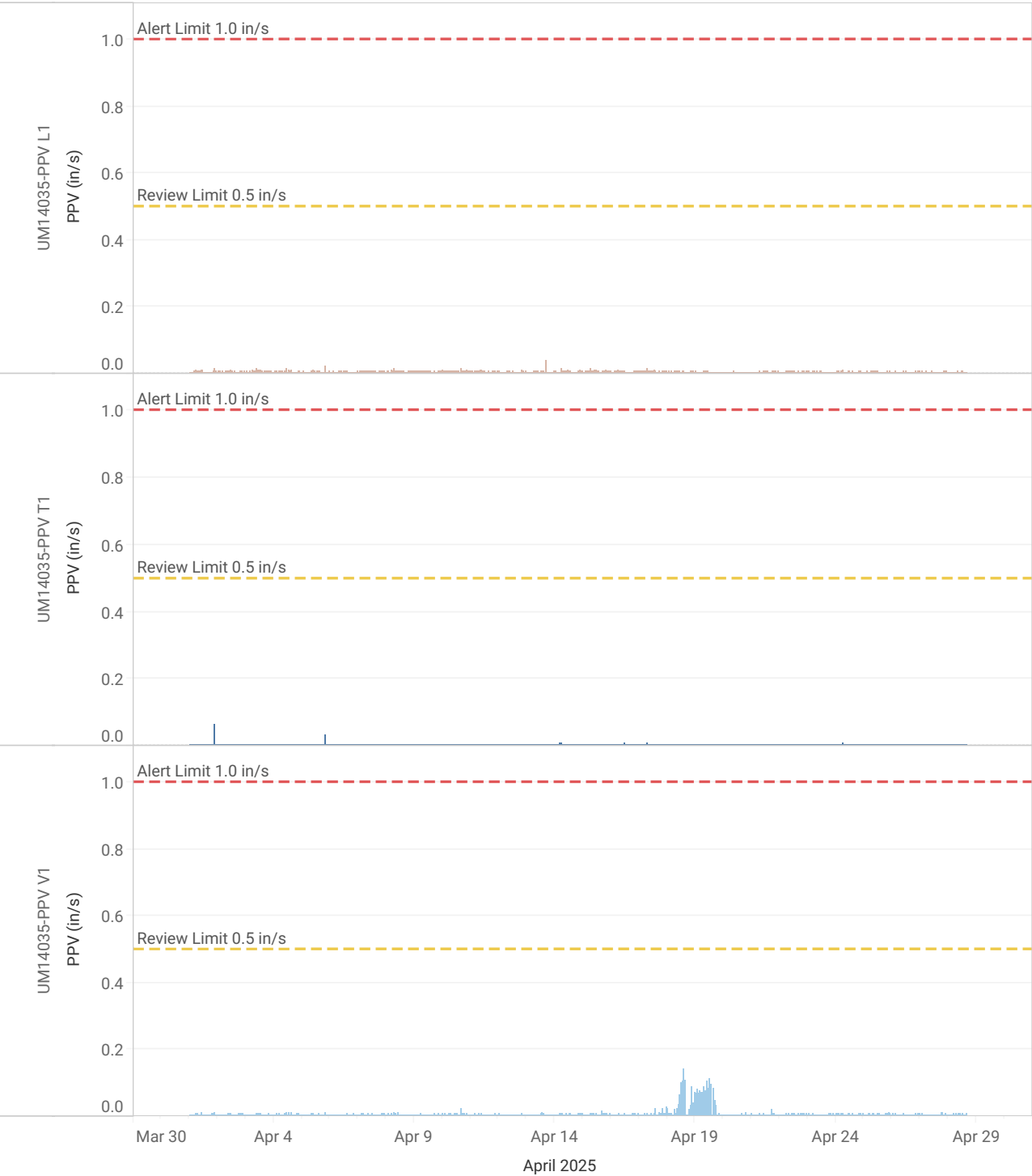
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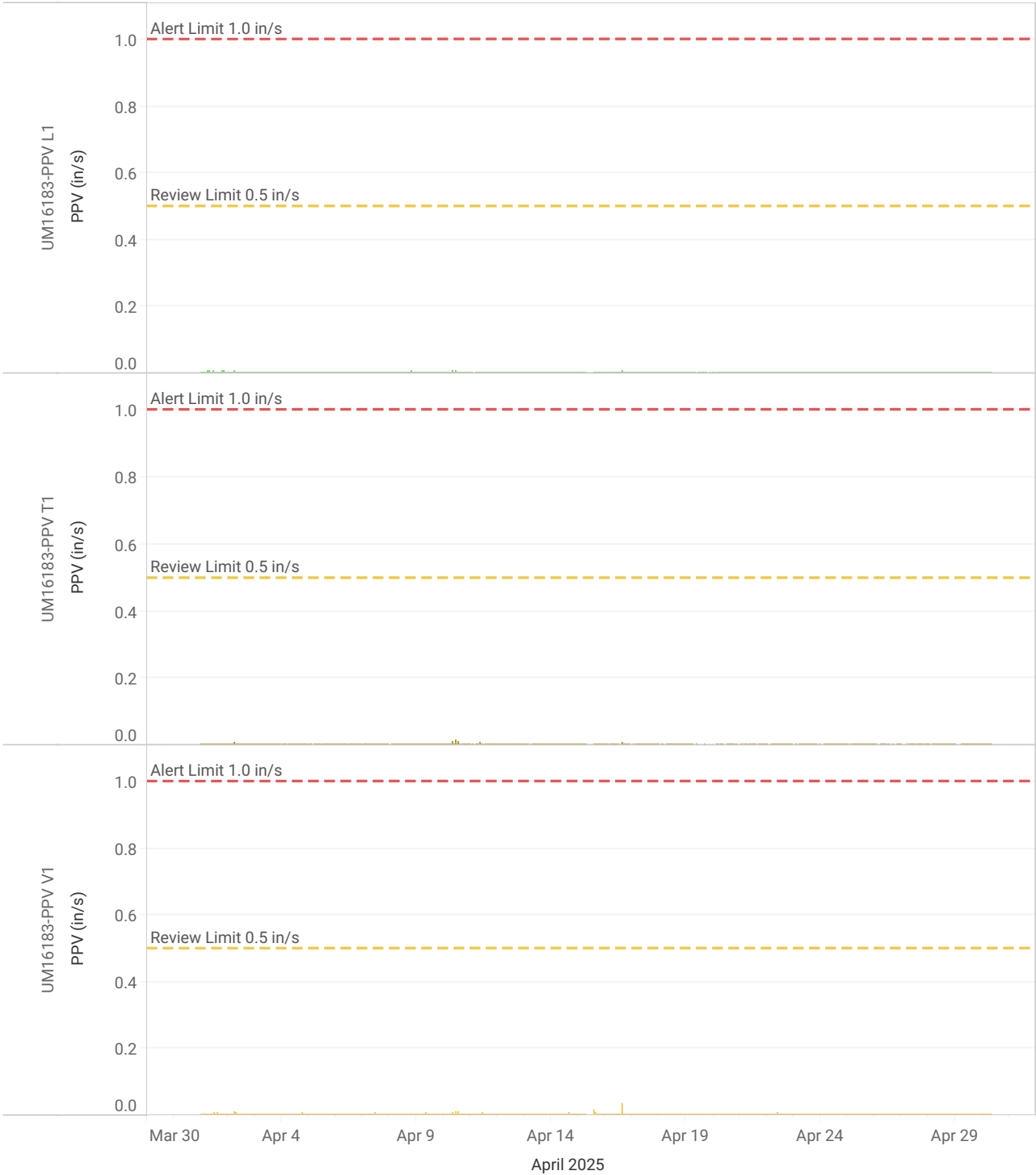
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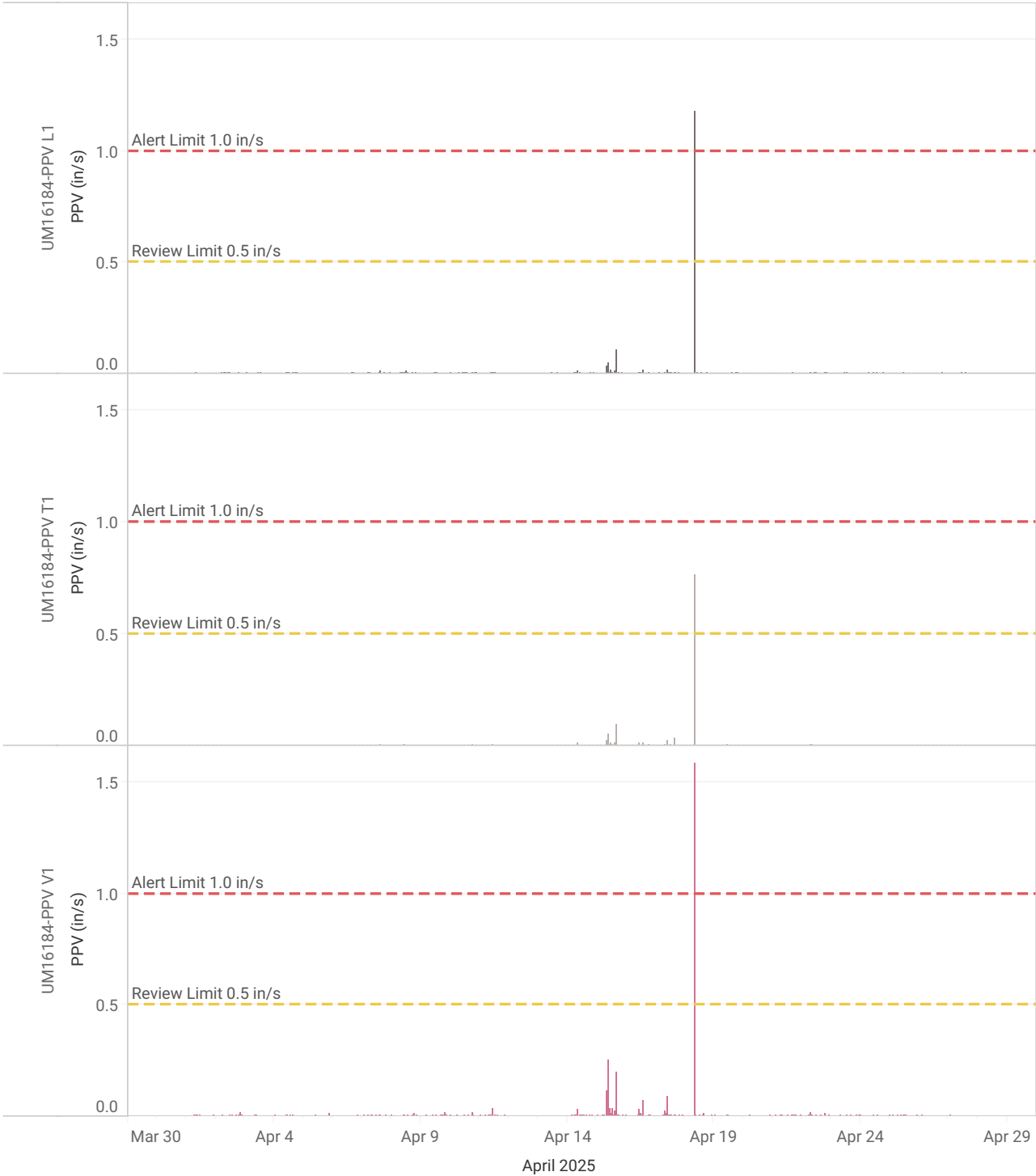
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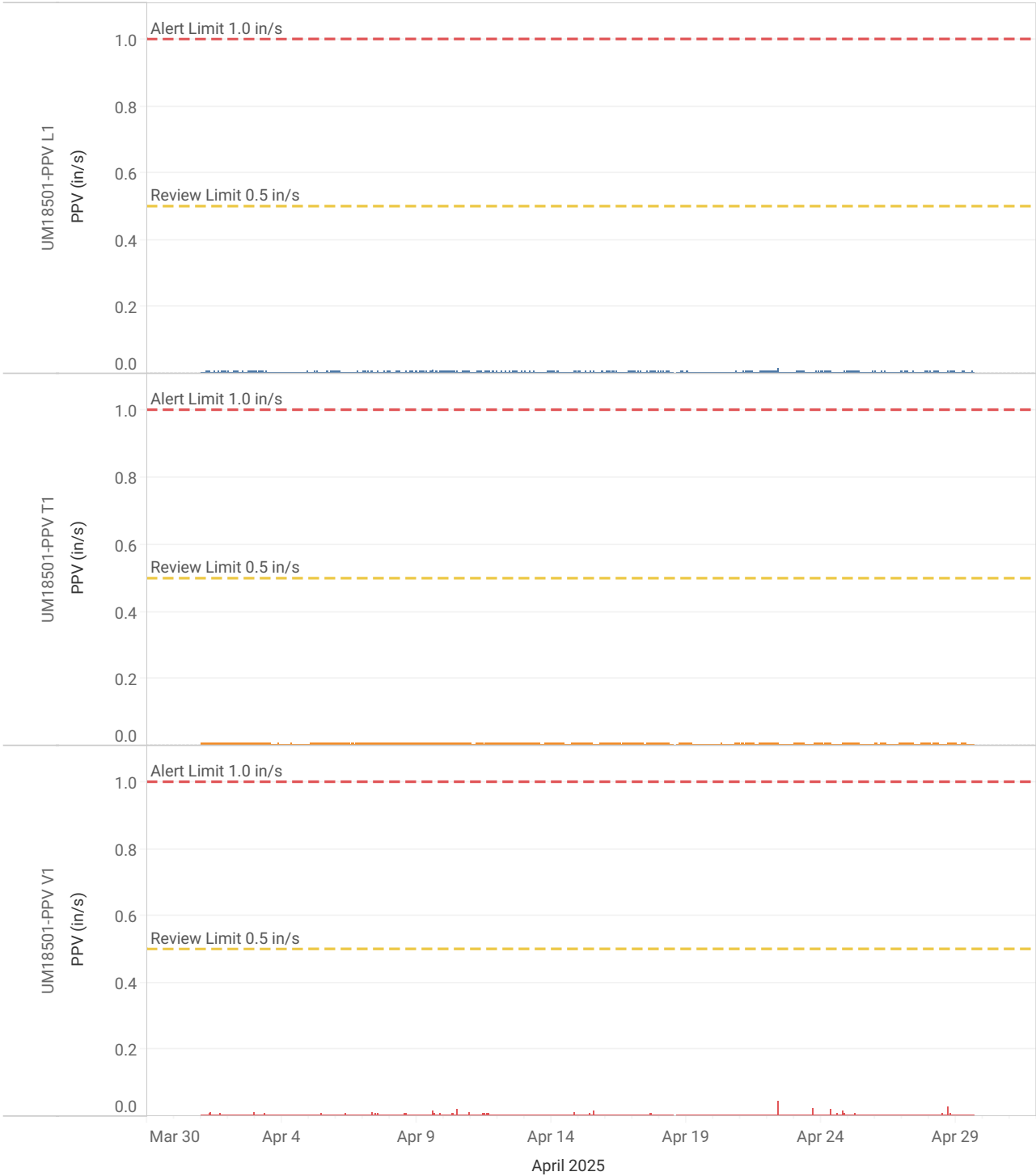
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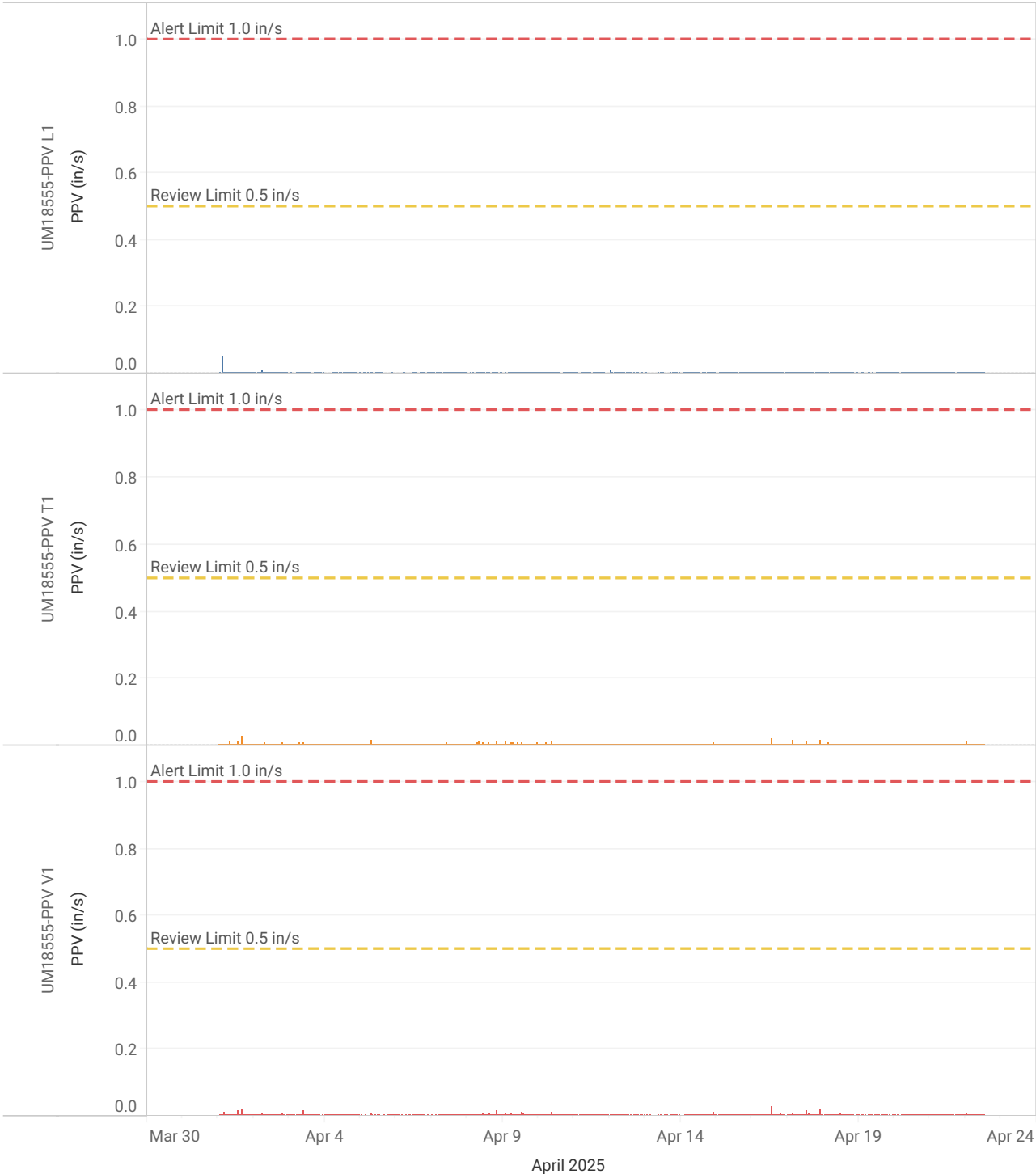
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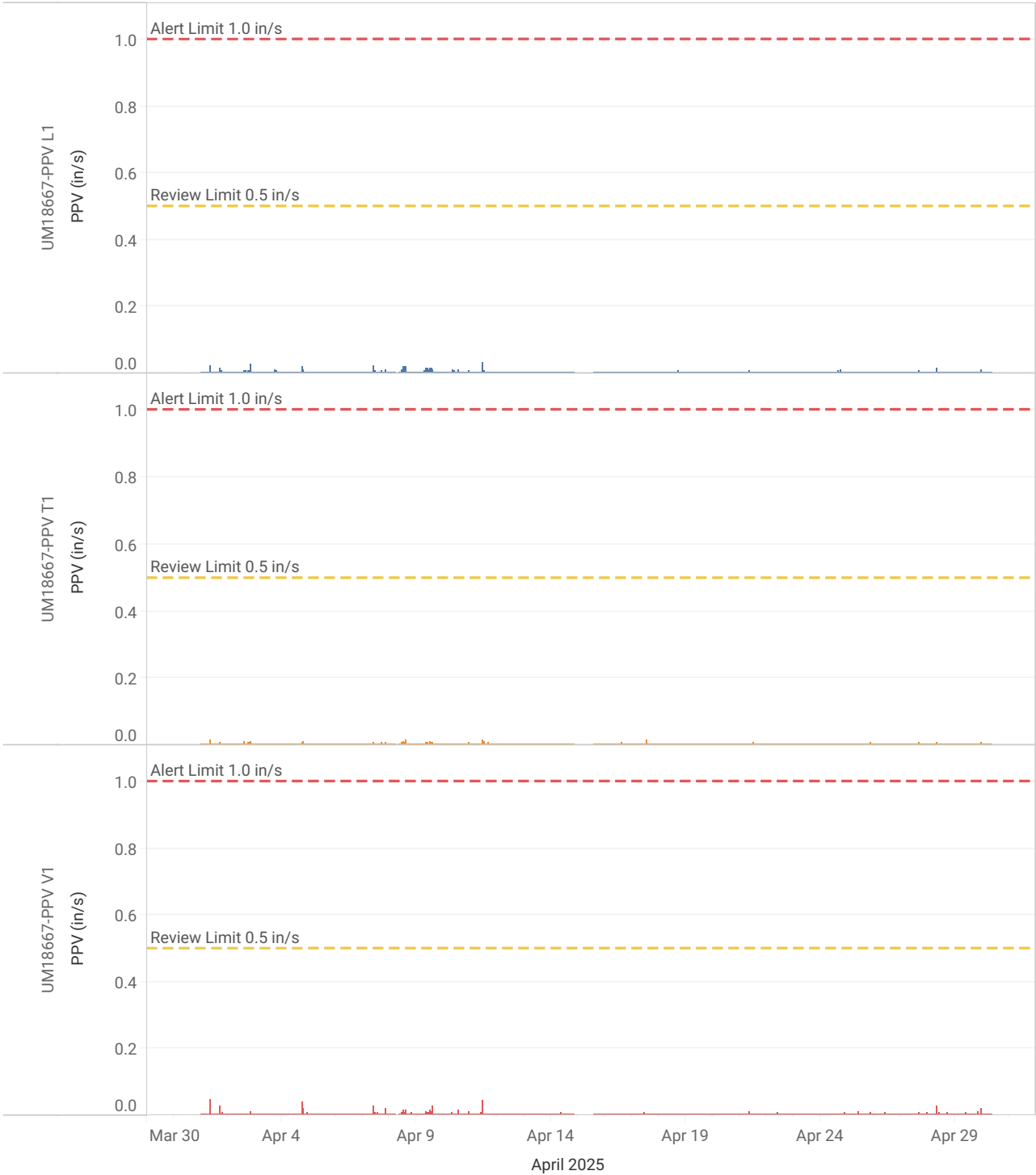
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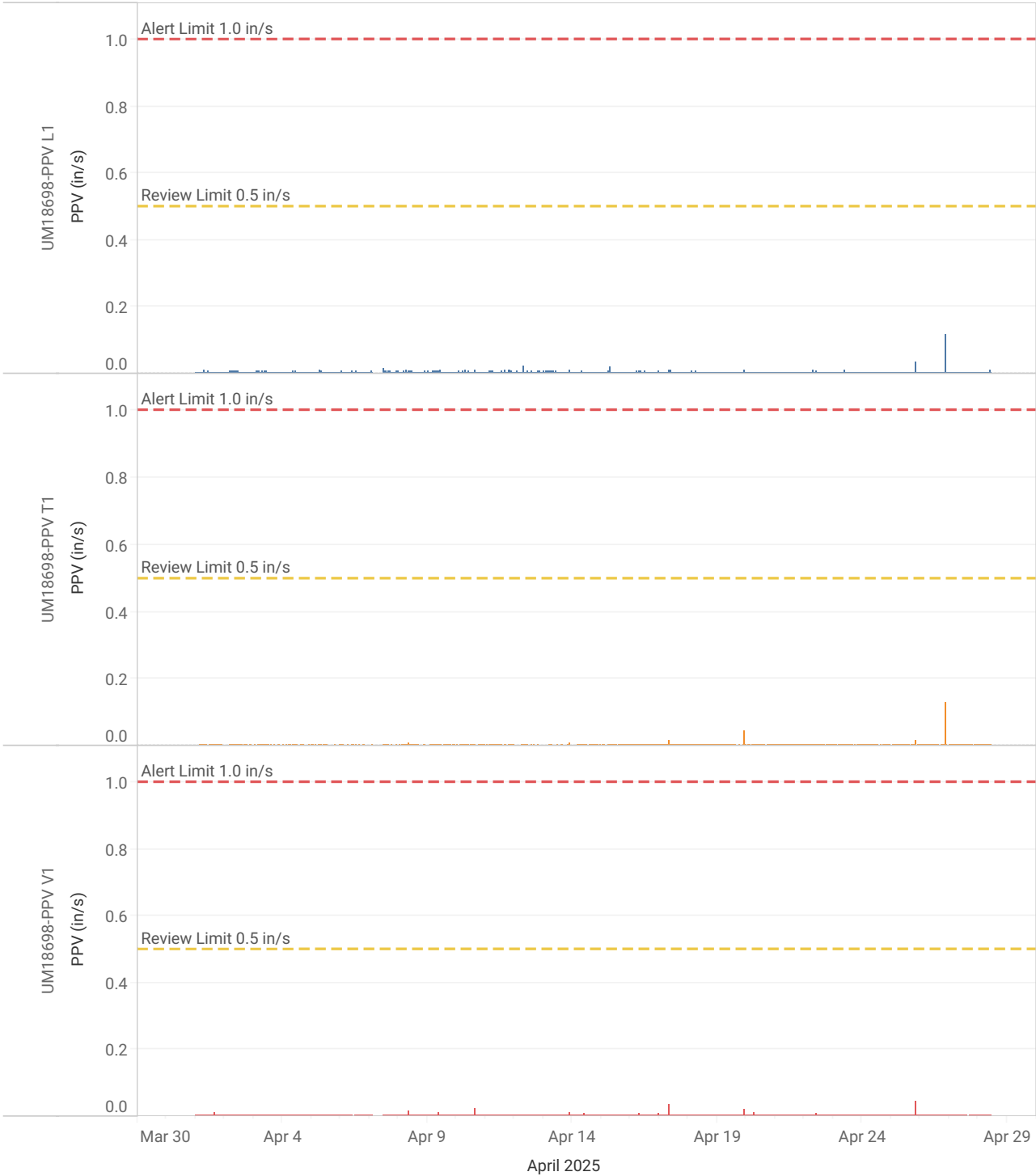
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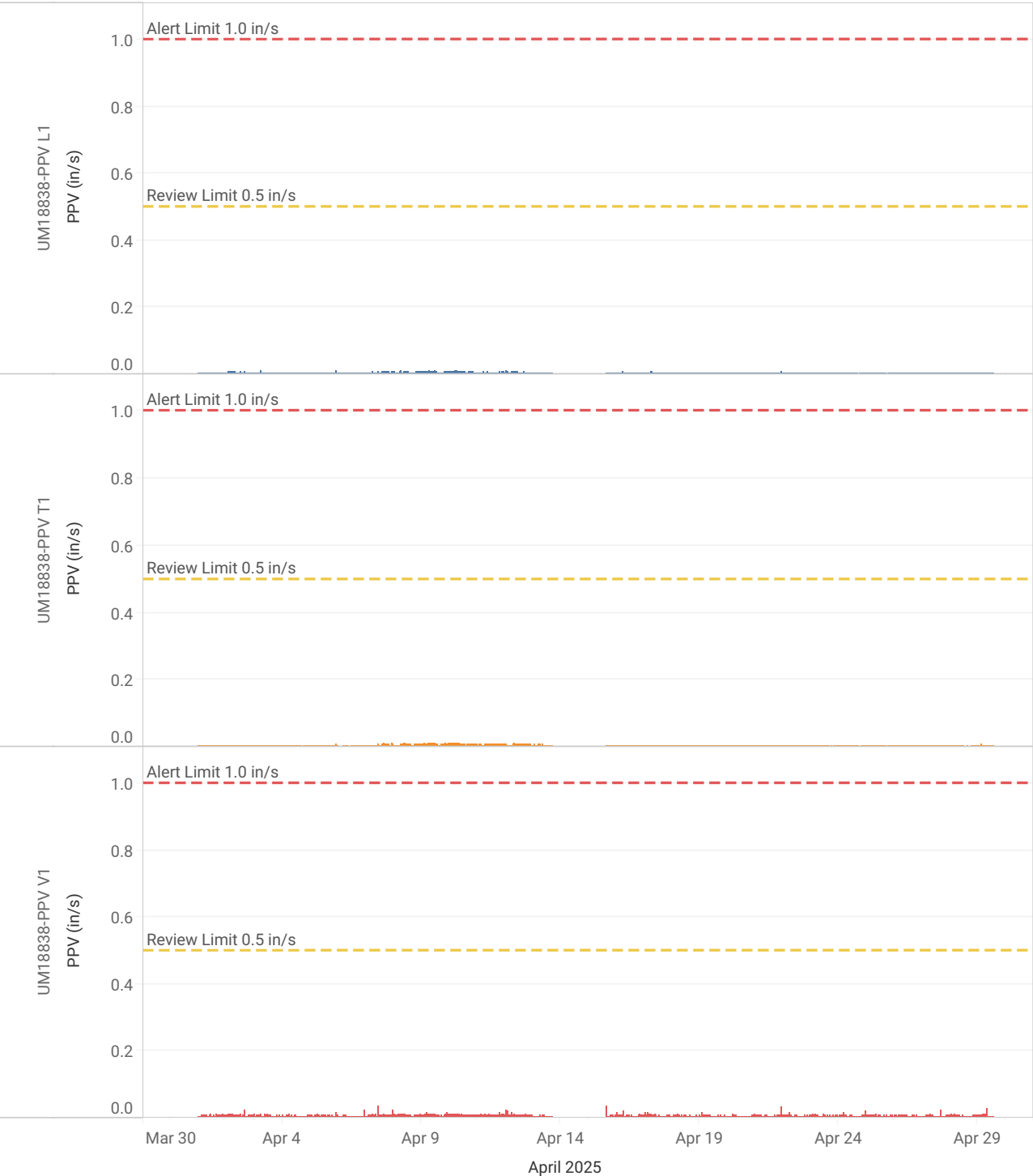
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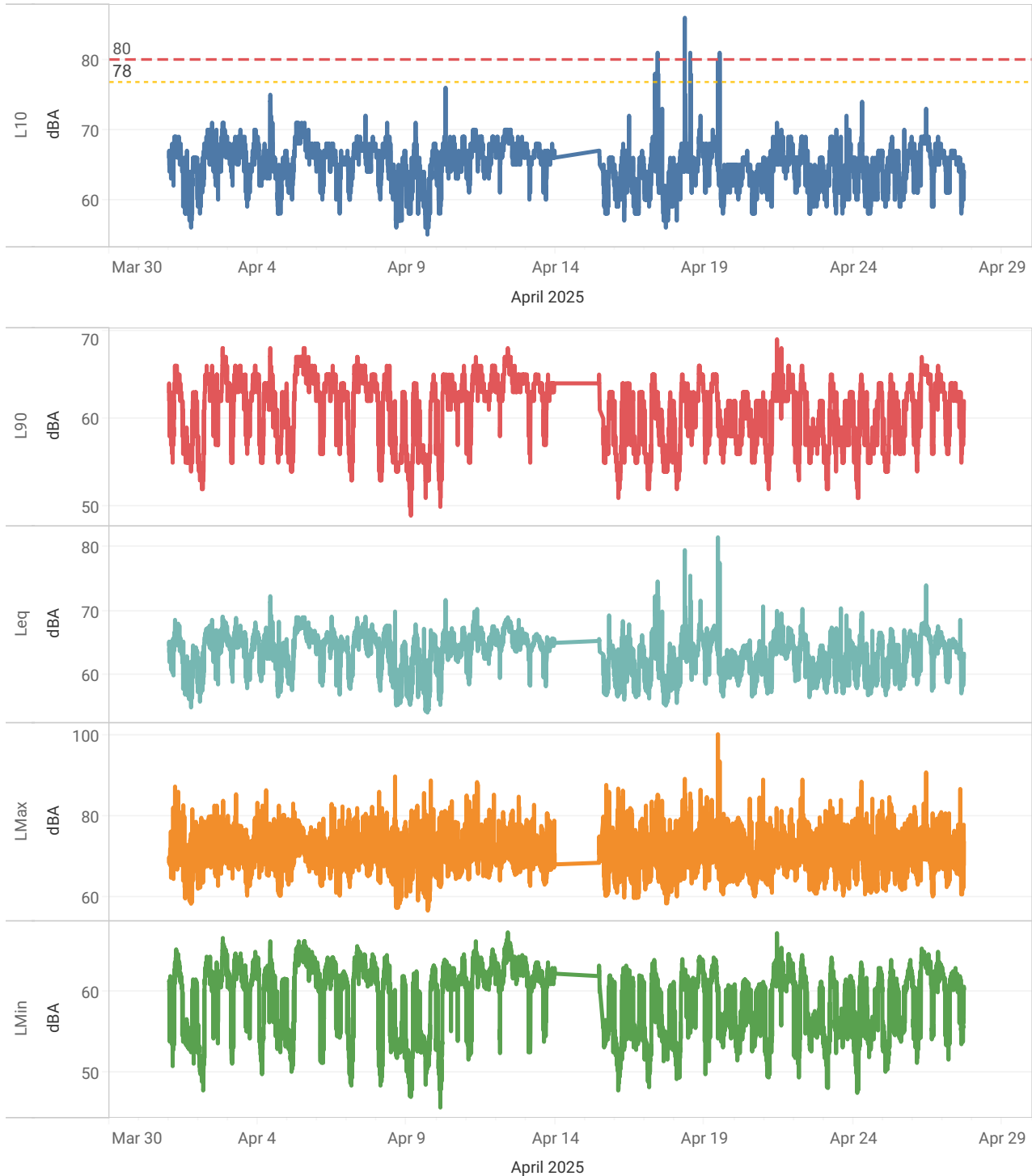
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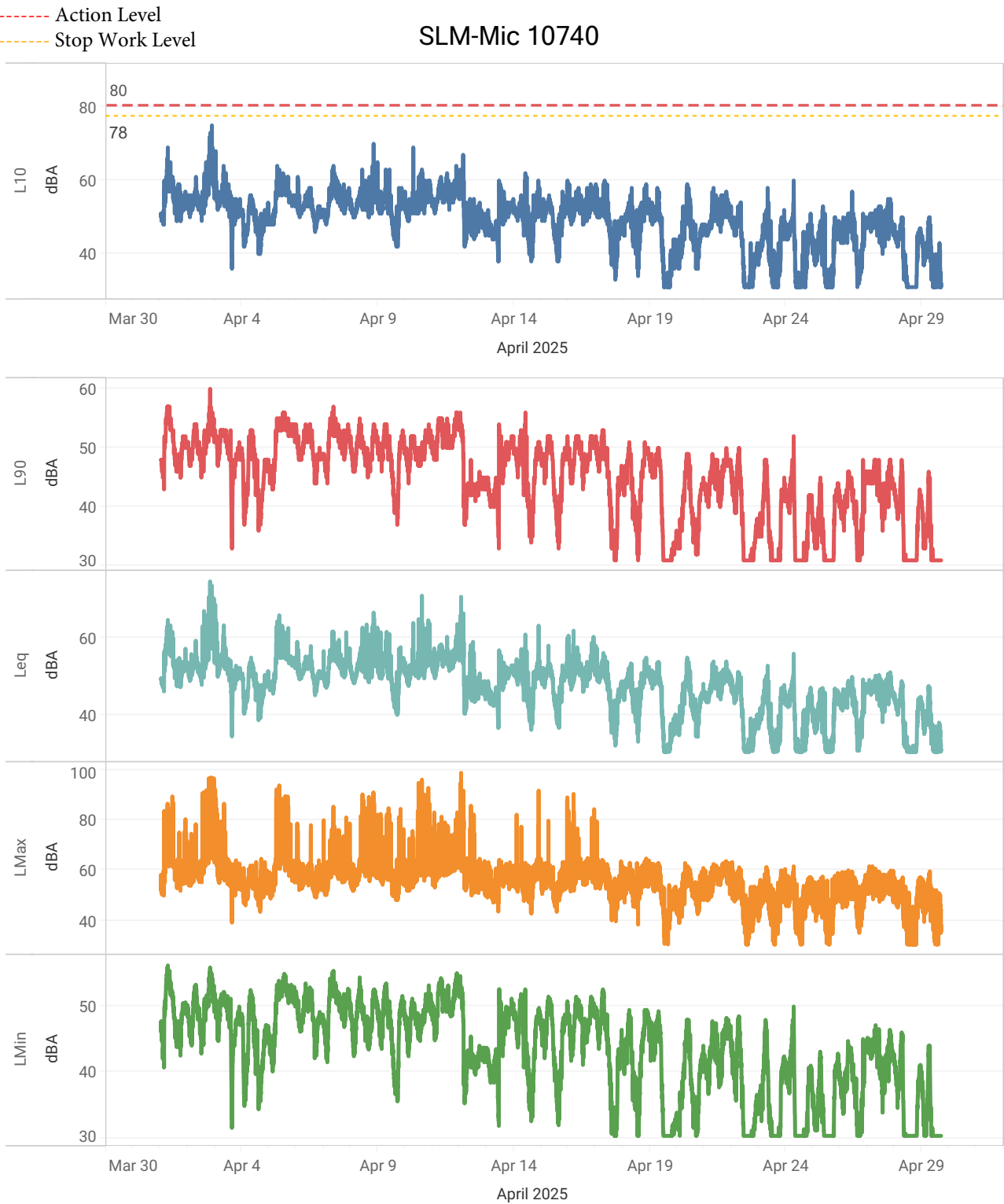
Noise Monitoring Report

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

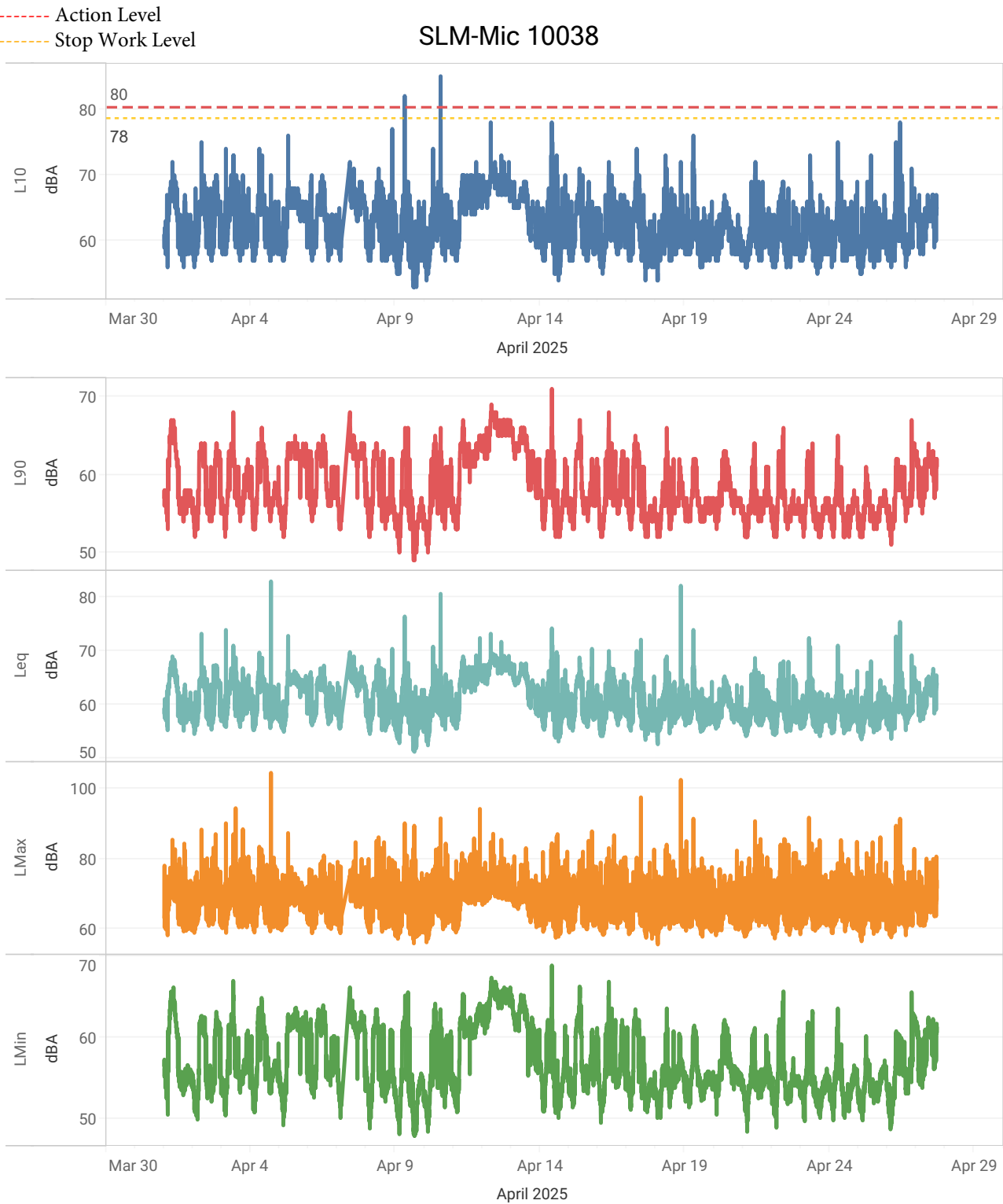
SLM-Mic 10414



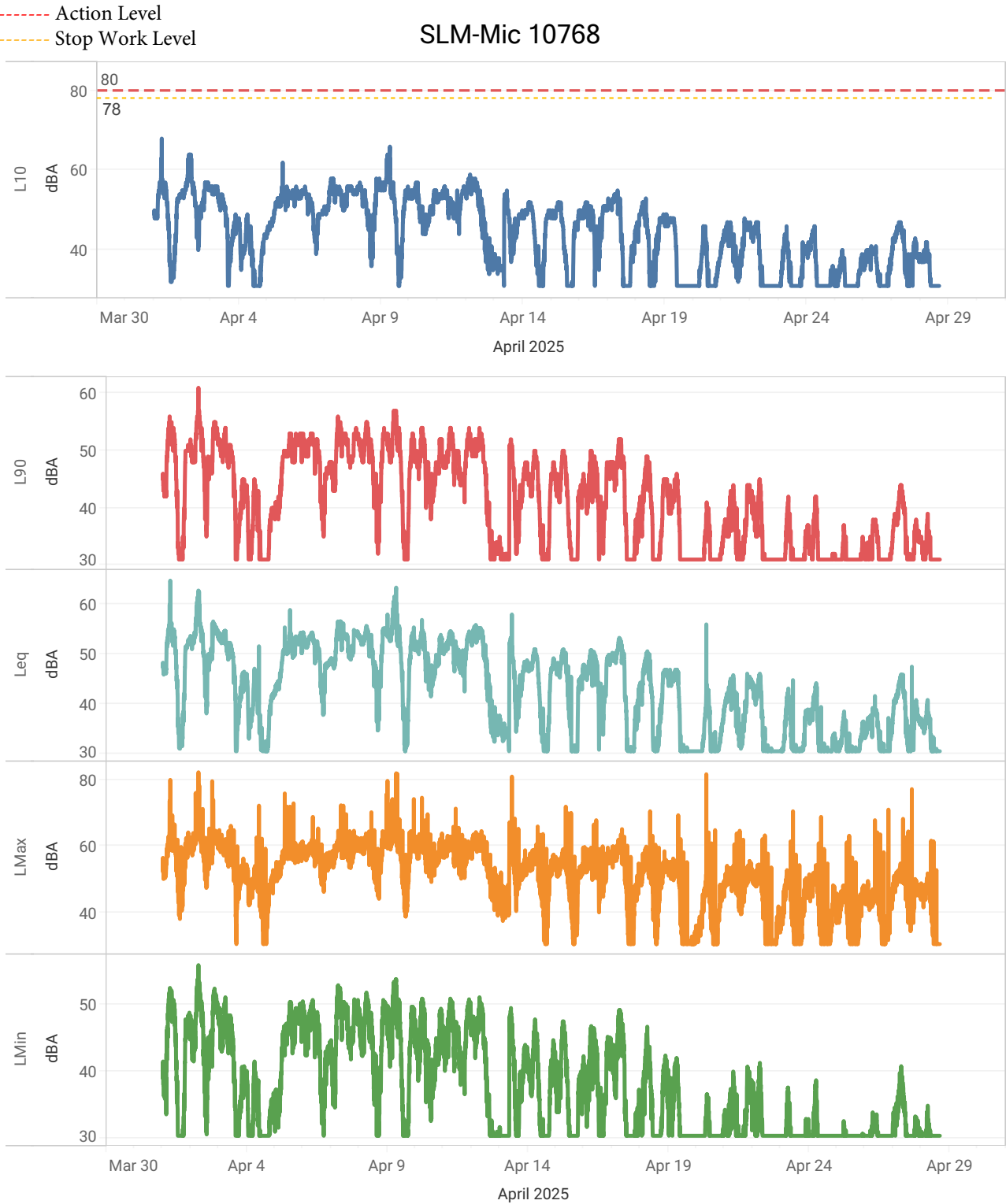
Noise Monitoring Report



Noise Monitoring Report



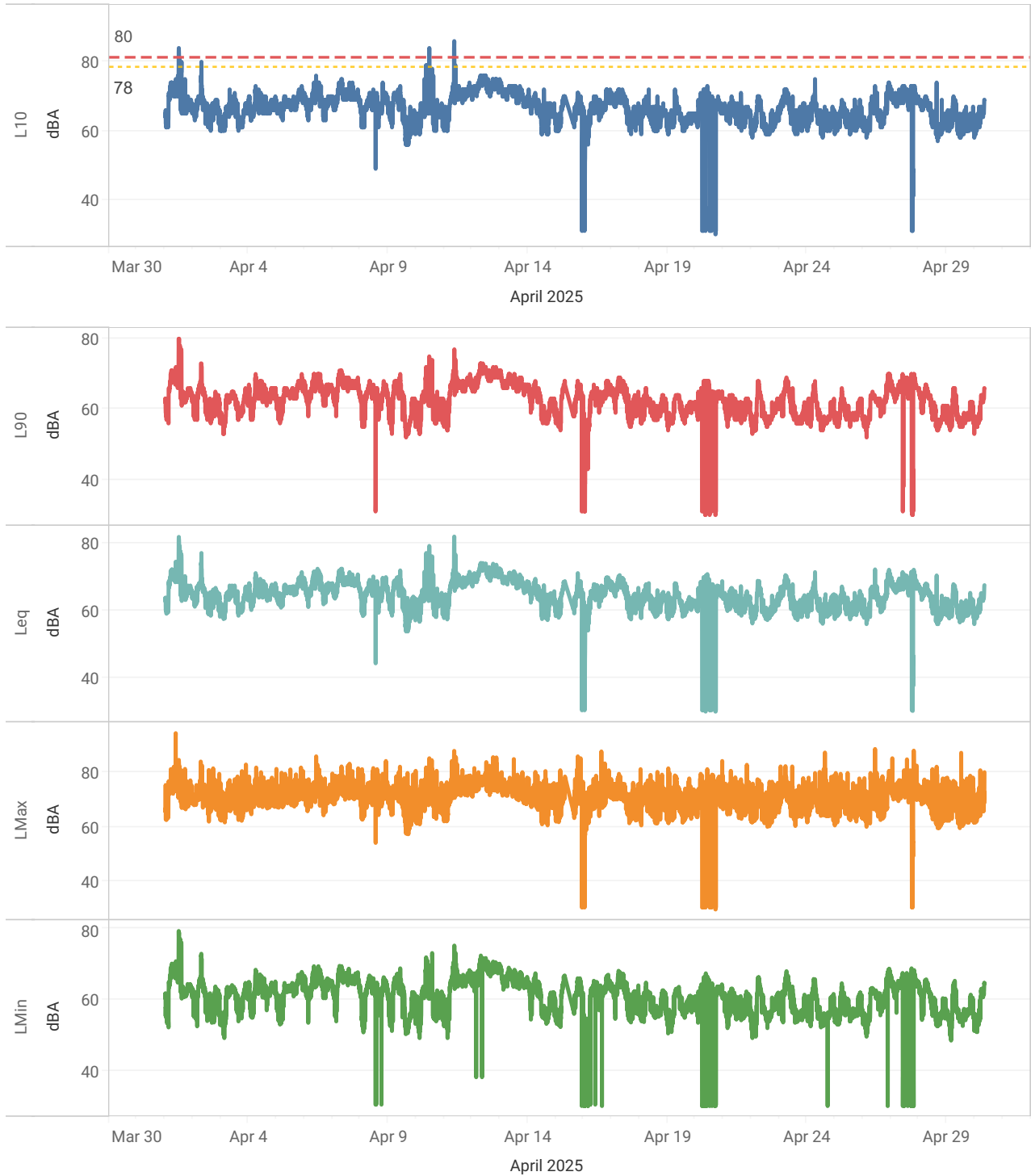
Noise Monitoring Report



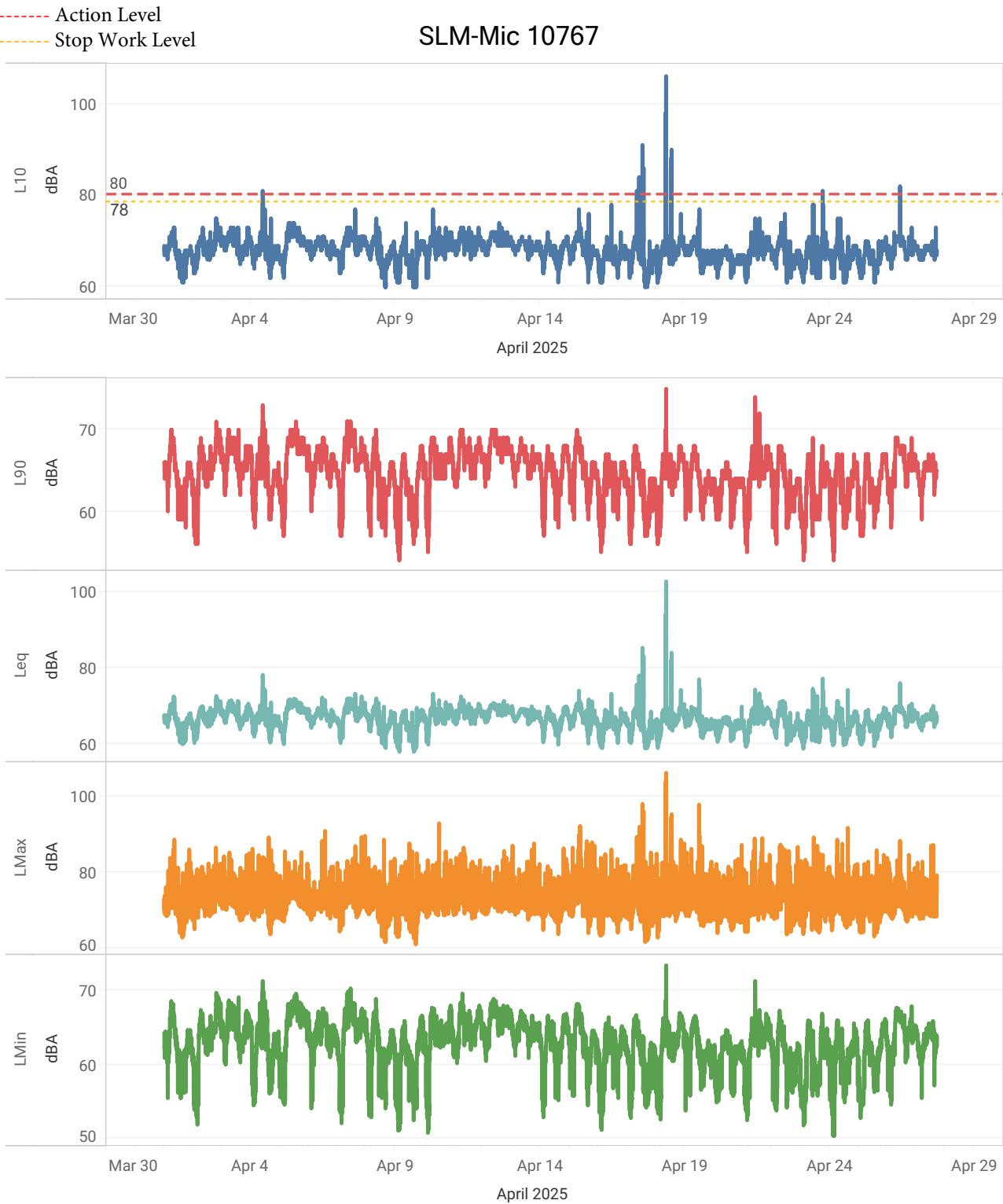
Noise Monitoring Report

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

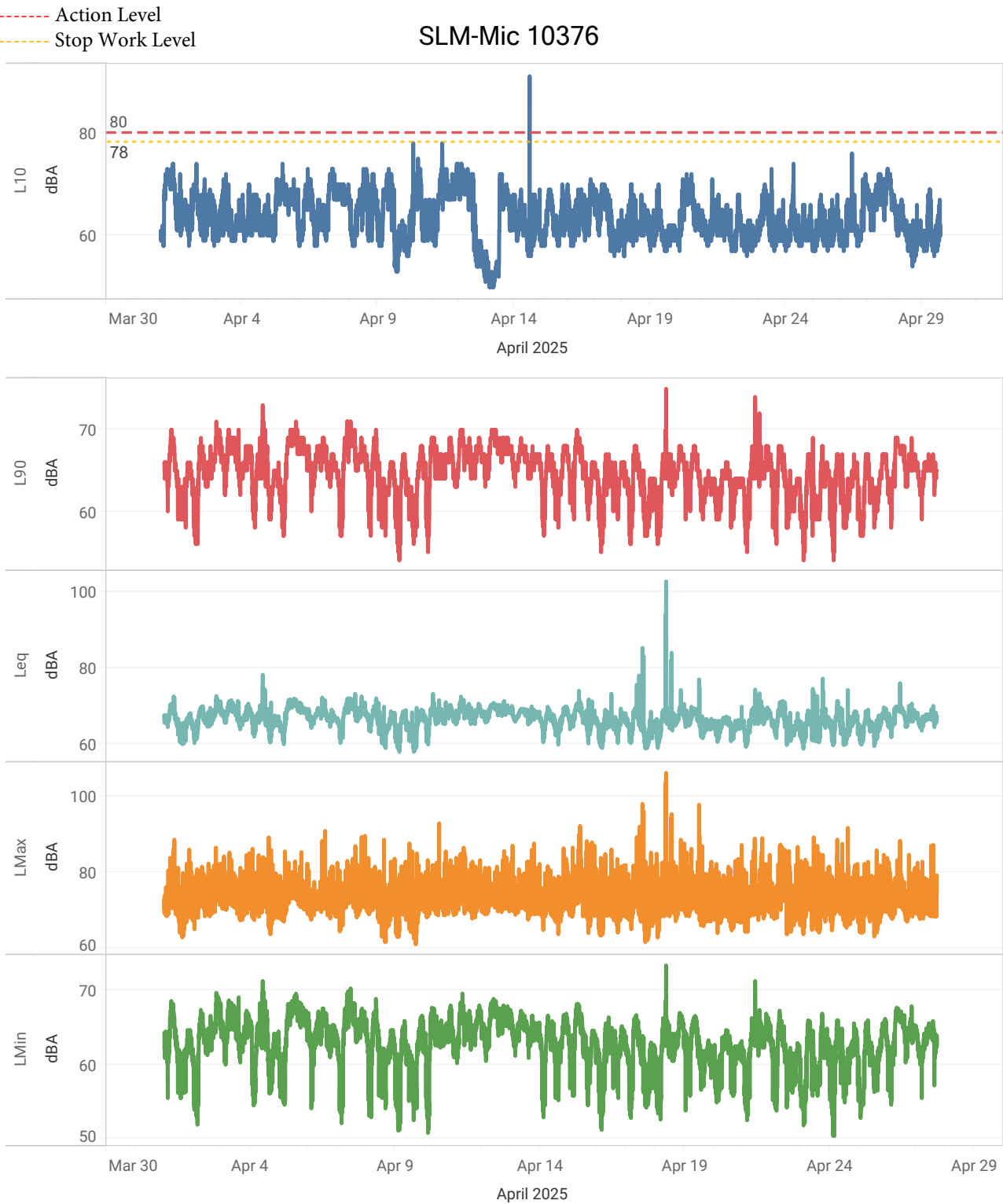
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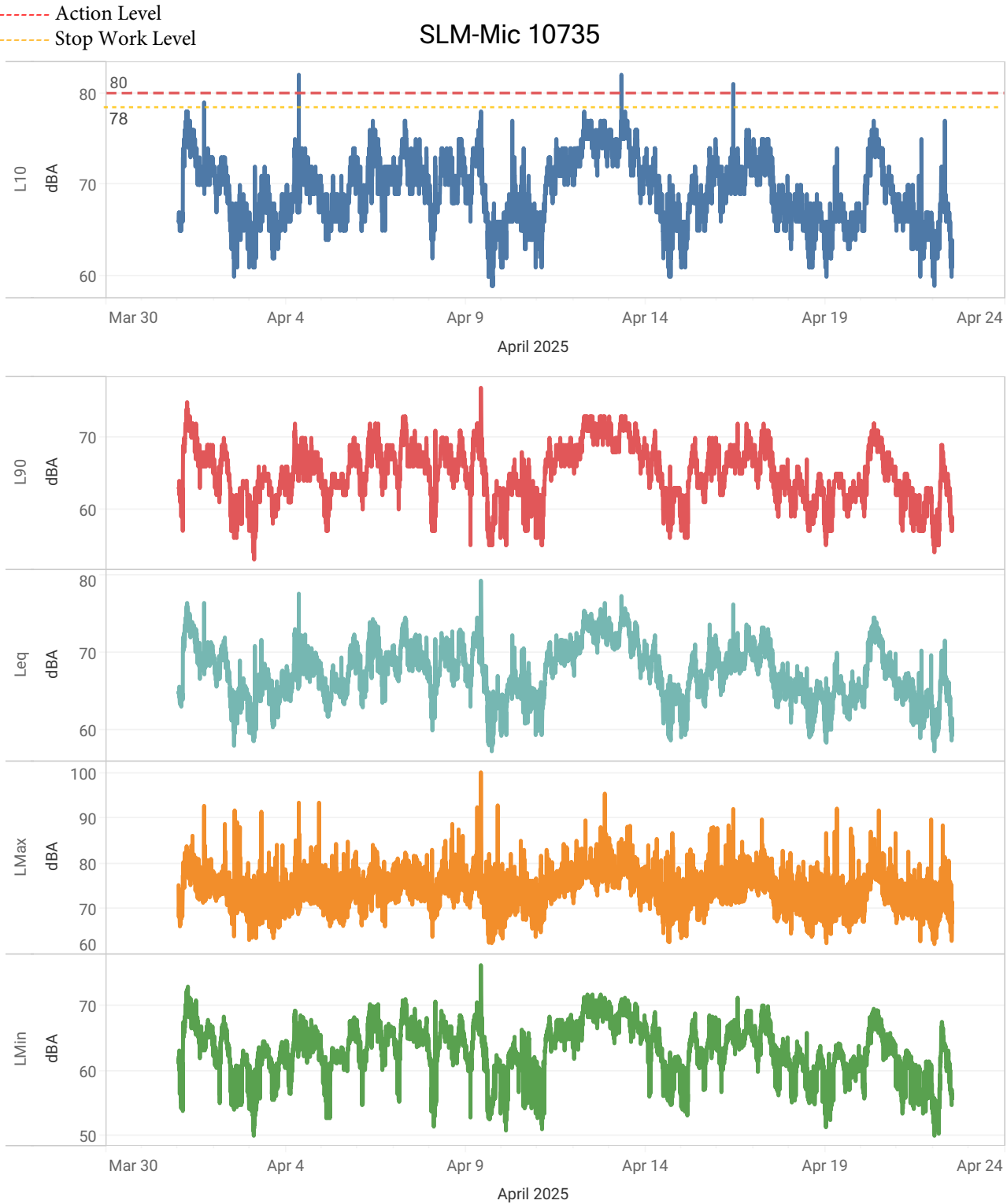
Noise Monitoring Report



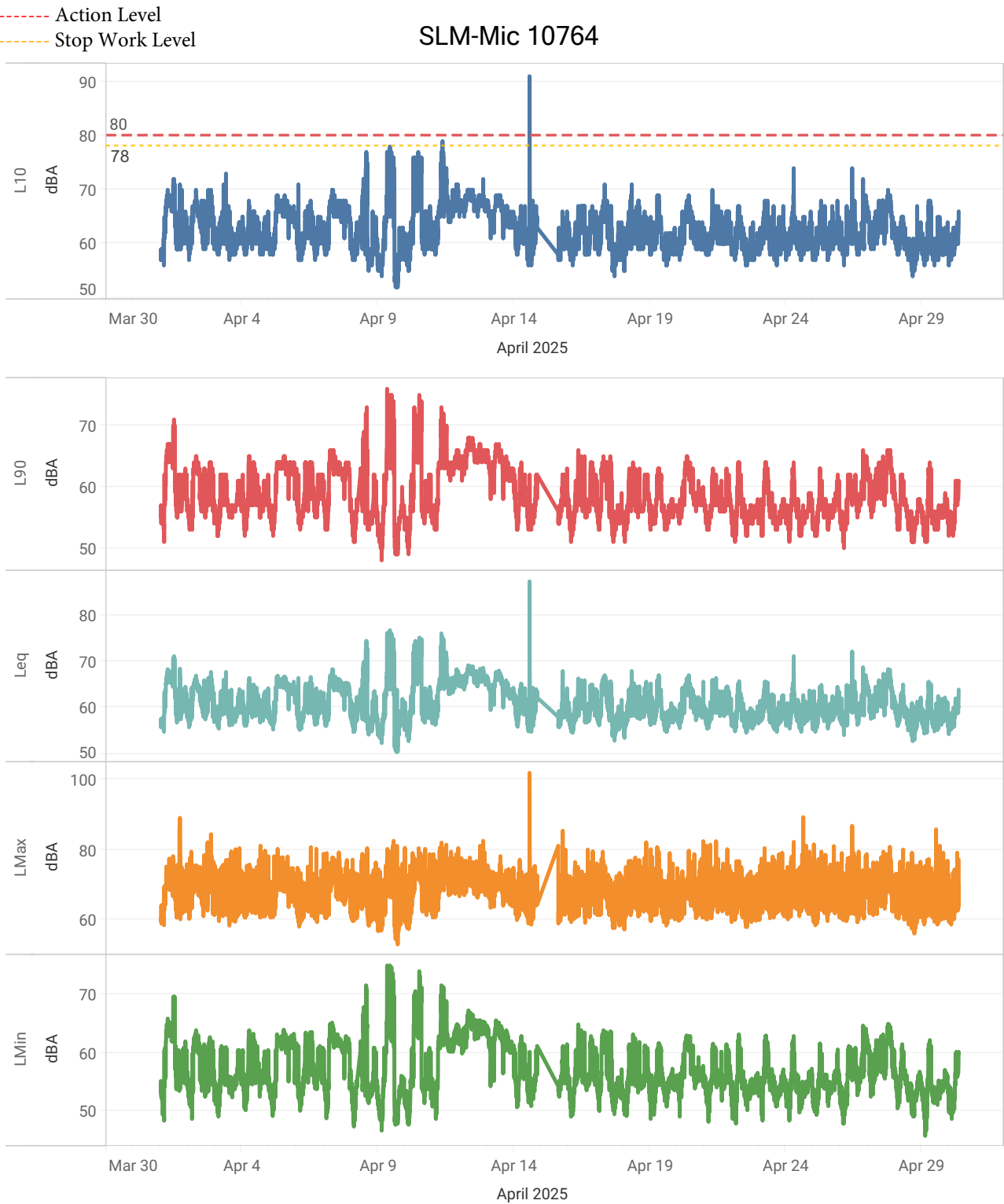
Noise Monitoring Report



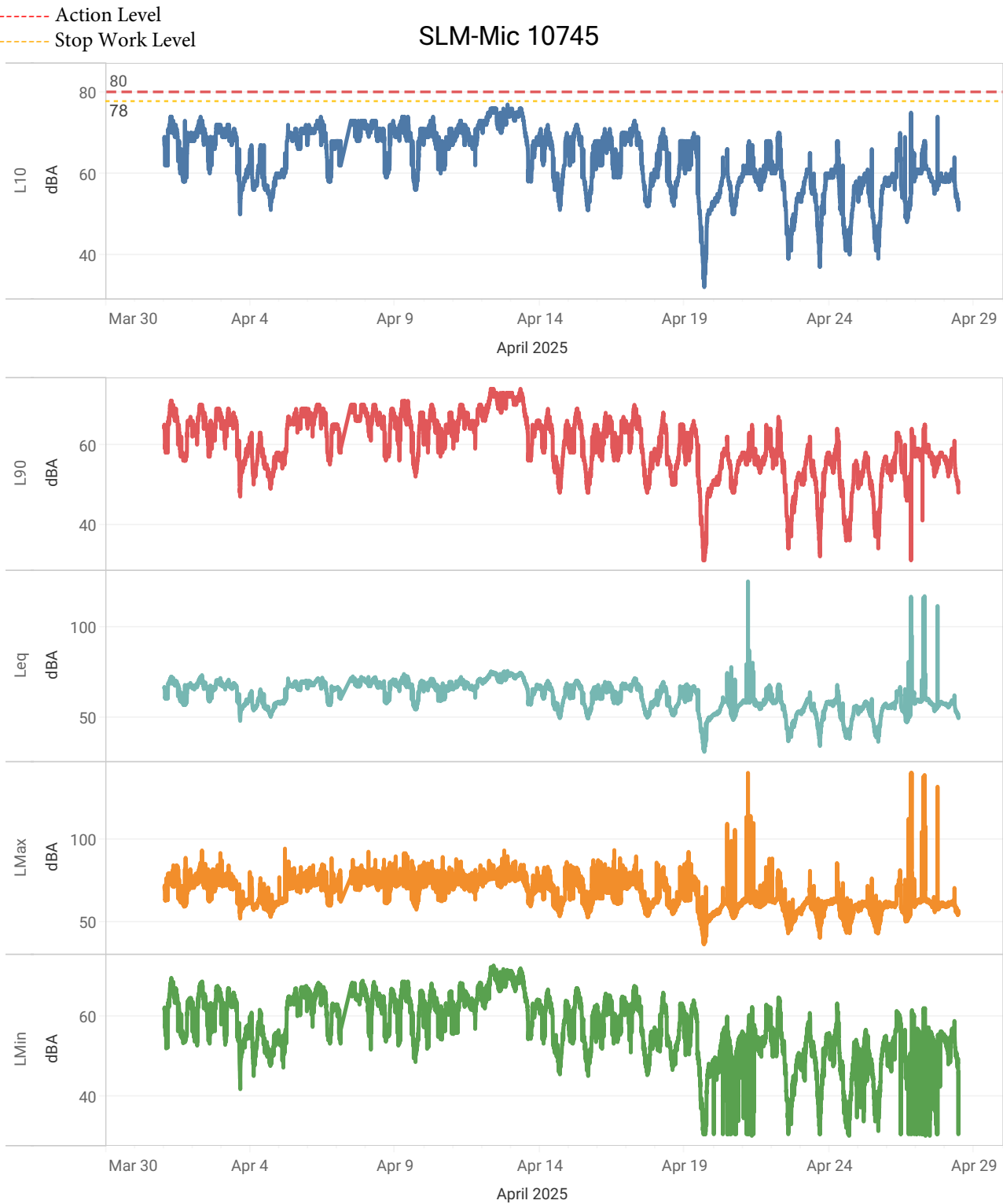
Noise Monitoring Report



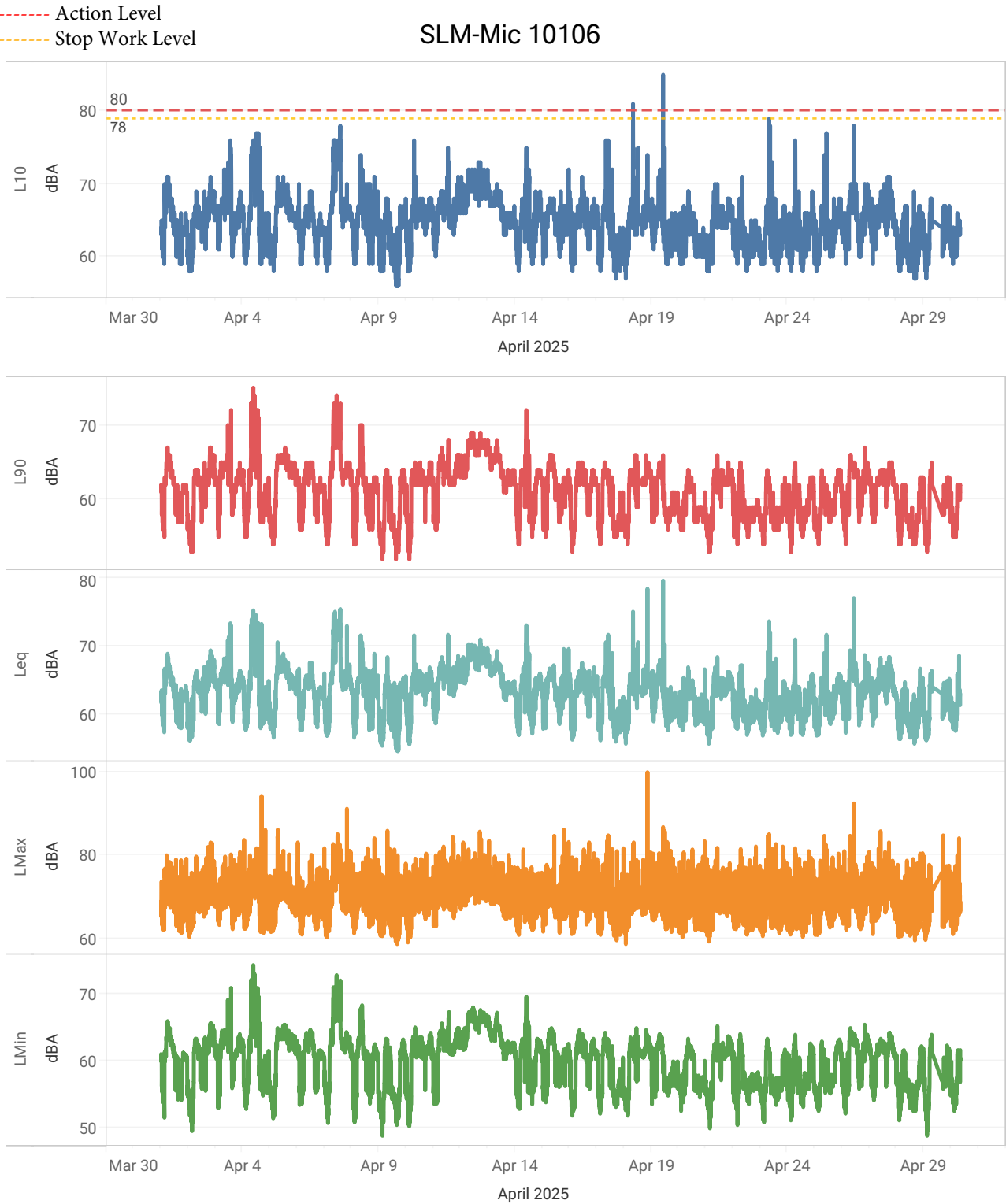
Noise Monitoring Report



Noise Monitoring Report



Noise Monitoring Report



Noise Monitoring Report

