

THE BOTANICA NOISE RESULTS – SEPTEMBER 3 TO OCTOBER 14 2019

Baseline

Table 1. Baseline Noise Levels – The Botanica Monitor

Location	Average L ₉₀ Background levels dB(A)			Average L _{eq} Ambient Noise levels dB(A)		
	Day	Evening	Night	Day	Evening	Night
400 St Kilda Rd	56	53	47	64	63	59

Noise Guidelines

Table 2. Guideline noise levels for each time period – The Botanica Monitor

Time Period	Applicable Hours	Guideline Noise Levels, Laeq	Relevant EPR
Normal Working Hours	7am to 6pm Monday to Friday 7am to 1pm Saturday	75dB	RIMG Section 4.1 Table 8
Weekend / Evening work (Avoidable)	6pm to 10pm Monday to Friday 1pm to 10pm Saturday 7am to 10pm Sunday and Public Holidays	63dB	NV 6
Weekend / Evening work (Unavoidable)	6pm to 10pm Monday to Friday 1pm to 10pm Saturday 7am to 10pm Sunday and Public Holidays	68dB	RIMG Section 4.1 Table 8
Night (Avoidable)	10pm to 7am Monday to Sunday	Noise is to be inaudible within a habitable room of any residential premises	NV 6
Night (Unavoidable)		Acoustic Treatment 64dB	RIMG Section 4.1 (c)
		Alternative Accommodation 69dB	RIMG Section 4.1 (d)

RIMG Results

Alternative Accommodation - 10 days in 15 (15/01/18 to today)	1
Alternative Accommodation - 40 days in 6 months (01/08/18 to today)	2
Acoustic Treatment - 40 days in 6 months (01/08/18 to today)	11

Vibration Guidelines

Long-term vibration on structures – NV8-2

Type of Structure	Vibration Velocity, mm/s (Peak Component Particle Velocity) in horizontal plane at all frequencies
Dwellings and buildings of similar design and/or occupancy	5

Vibration Dose Values (VDVs) (Human Comfort) – NV 11

Location	VDV (m/s 1.75)			
	Day 7:00am to 10:00pm		Night 10:00pm to 7:00am	
	Preferred Value	Maximum Value	Preferred Value	Maximum Value
Residences	0.2	0.4	0.1	0.2

There has been one VDV vibration exceedance (NV11) as a result of CYP activities during this time period, occurring on the 7th of October.

This was due to jackhammering works associated with establishing the roadway outside of the Botanica in preparation for the road/rail occupation. As can be seen in the graph below, the work activity that led to the majority of this exceedance took place for approximately 1 hour and 20 minutes. As our NV11 limit was reached, the work activity was changed to reduce the effect on the Botanica.

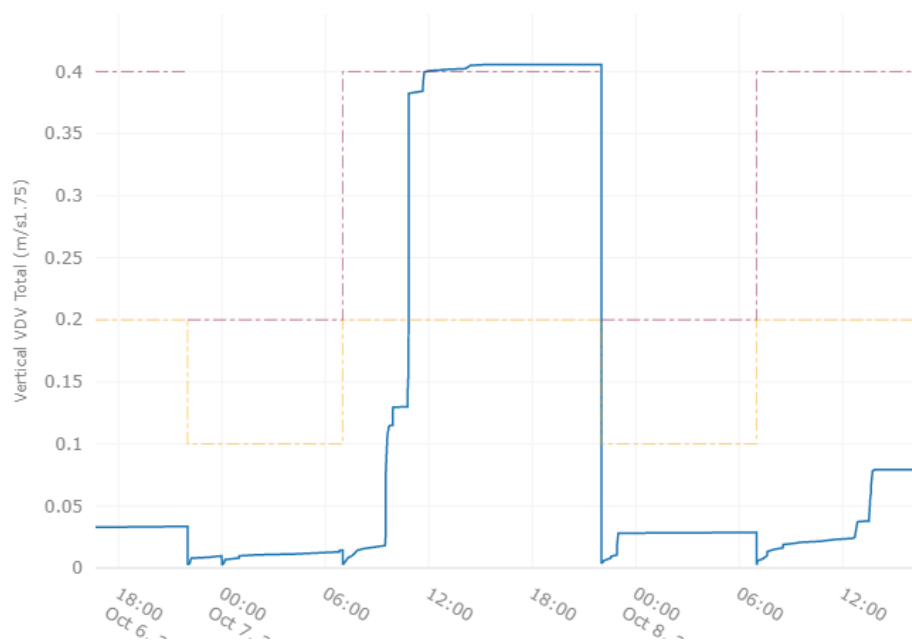


Figure 1: October 7 The Botanica VDV

CYP Telemetry Report

Date: 03/09/2019 - 14/10/2019

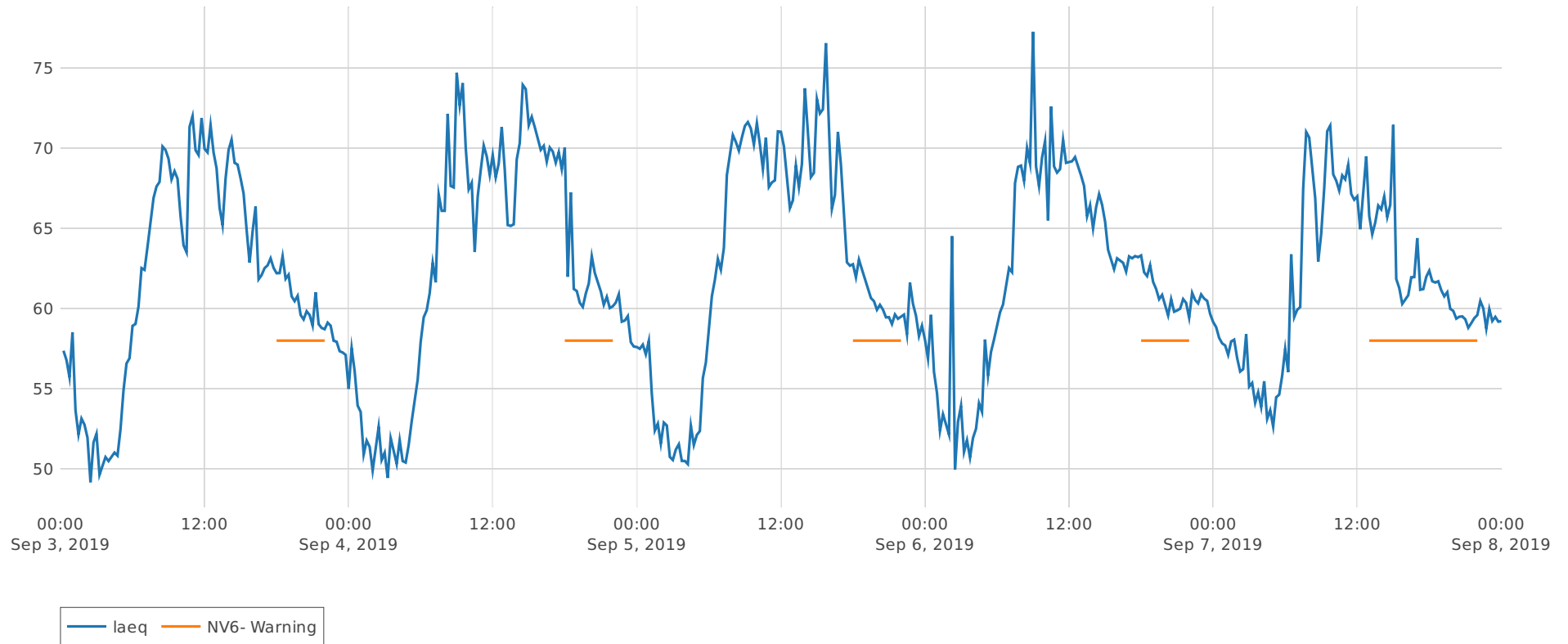
Precincts: Domain

Disciplines: Noise, Vibration

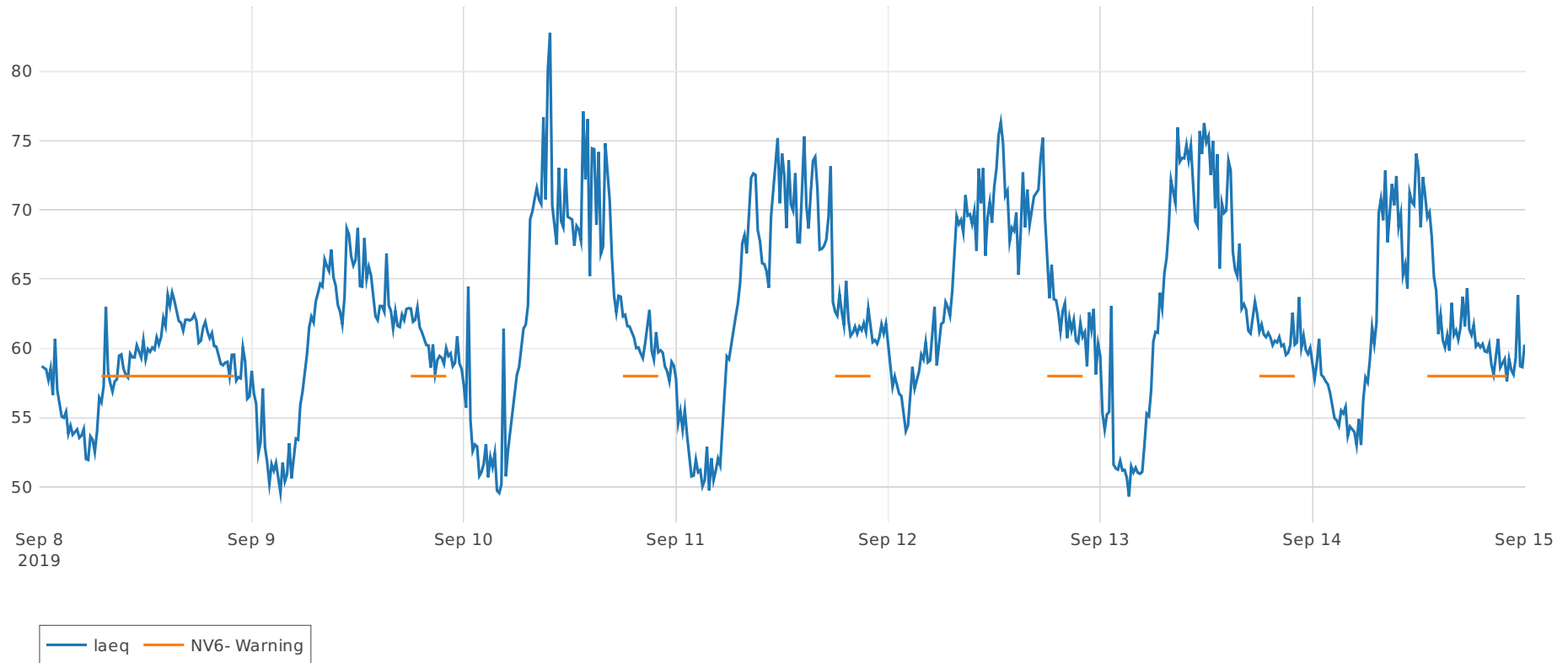
Devices: Noise5.1 - The Botanical Apartments, VIB 12 - The Botanica

All telemetry

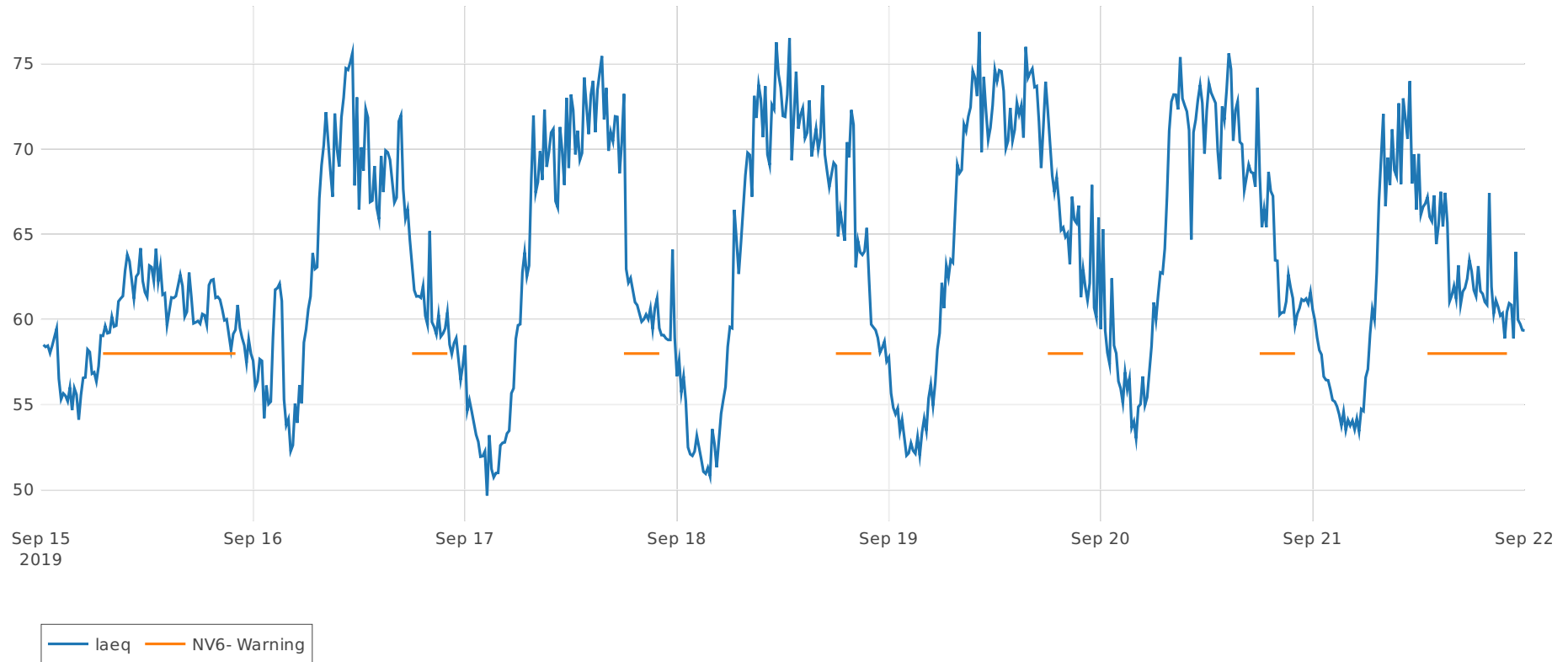
Noise5.1 - The Botanical Apartments | B&K SPL / 15 Minute LAeq | laeq



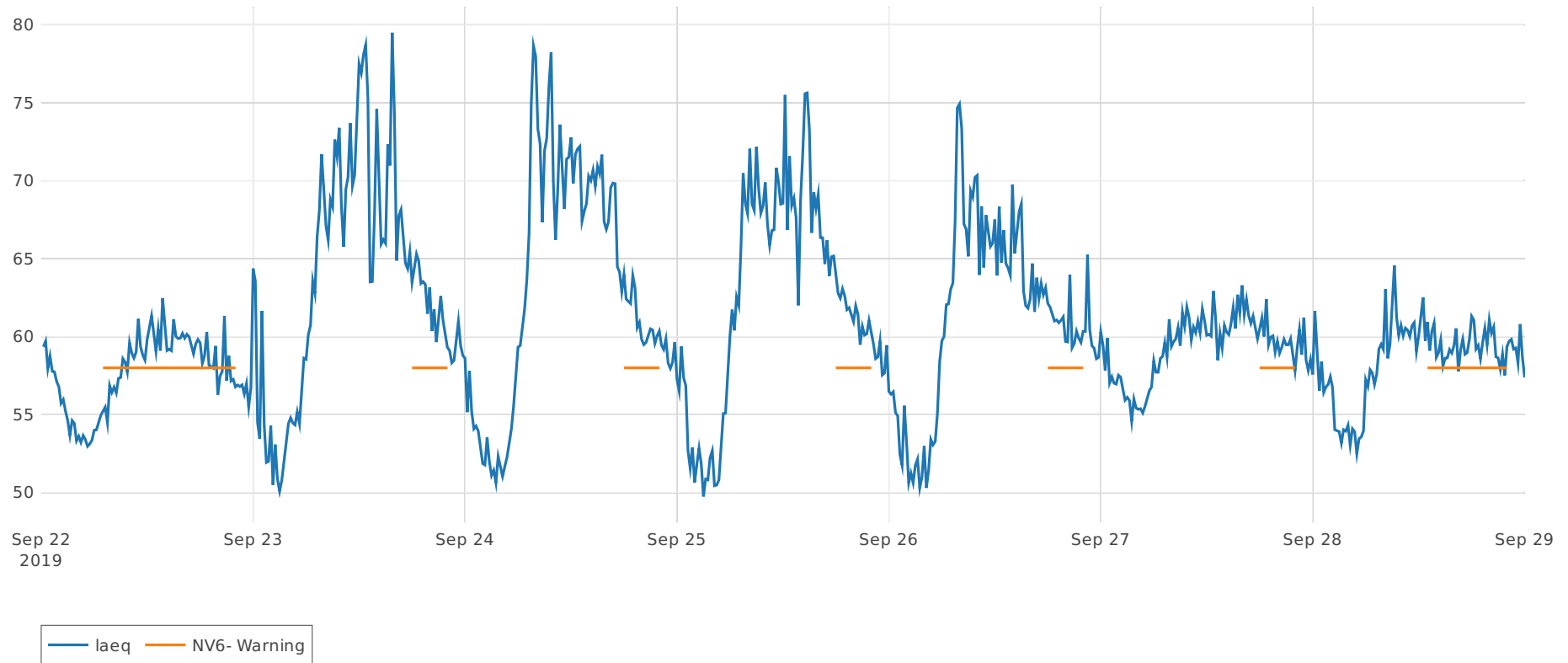
Noise5.1 - The Botanical Apartments | B&K SPL / 15 Minute LAeq | laeq



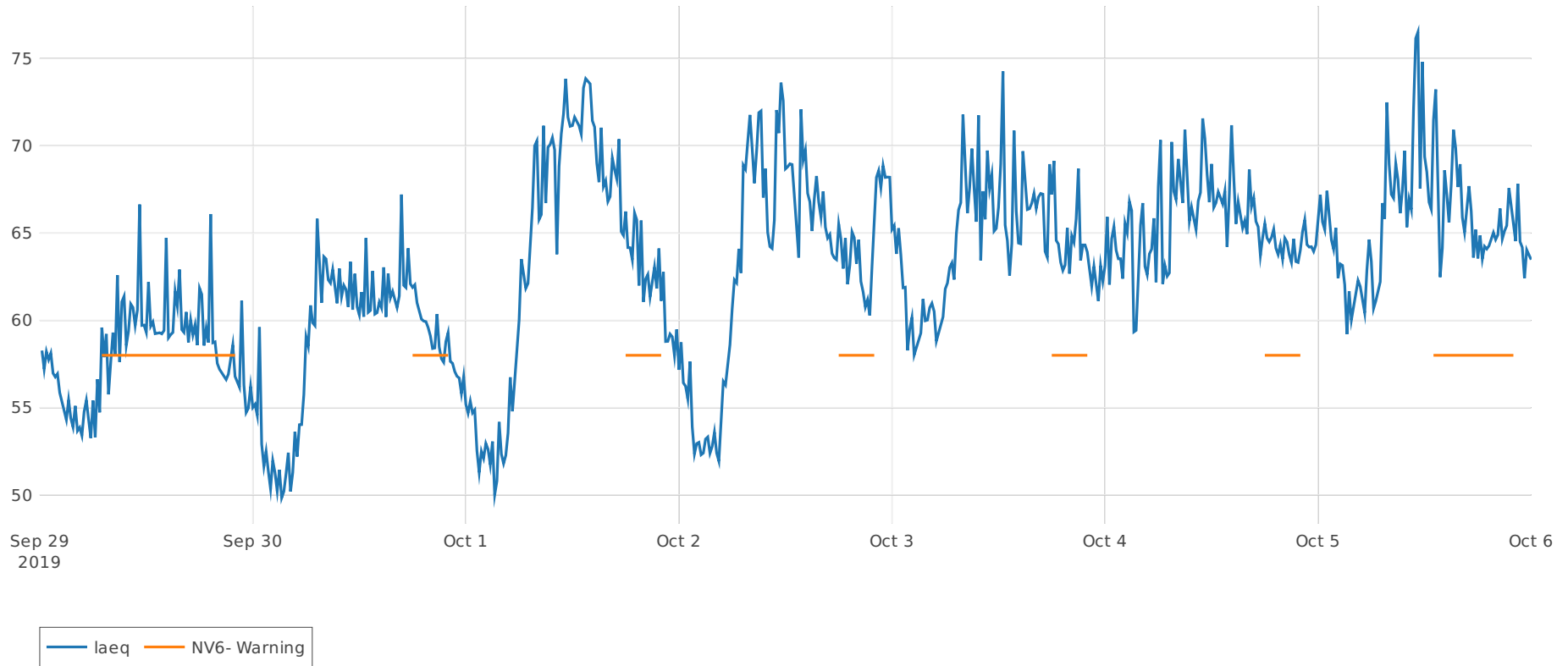
Noise5.1 - The Botanical Apartments | B&K SPL / 15 Minute LAeq | laeq



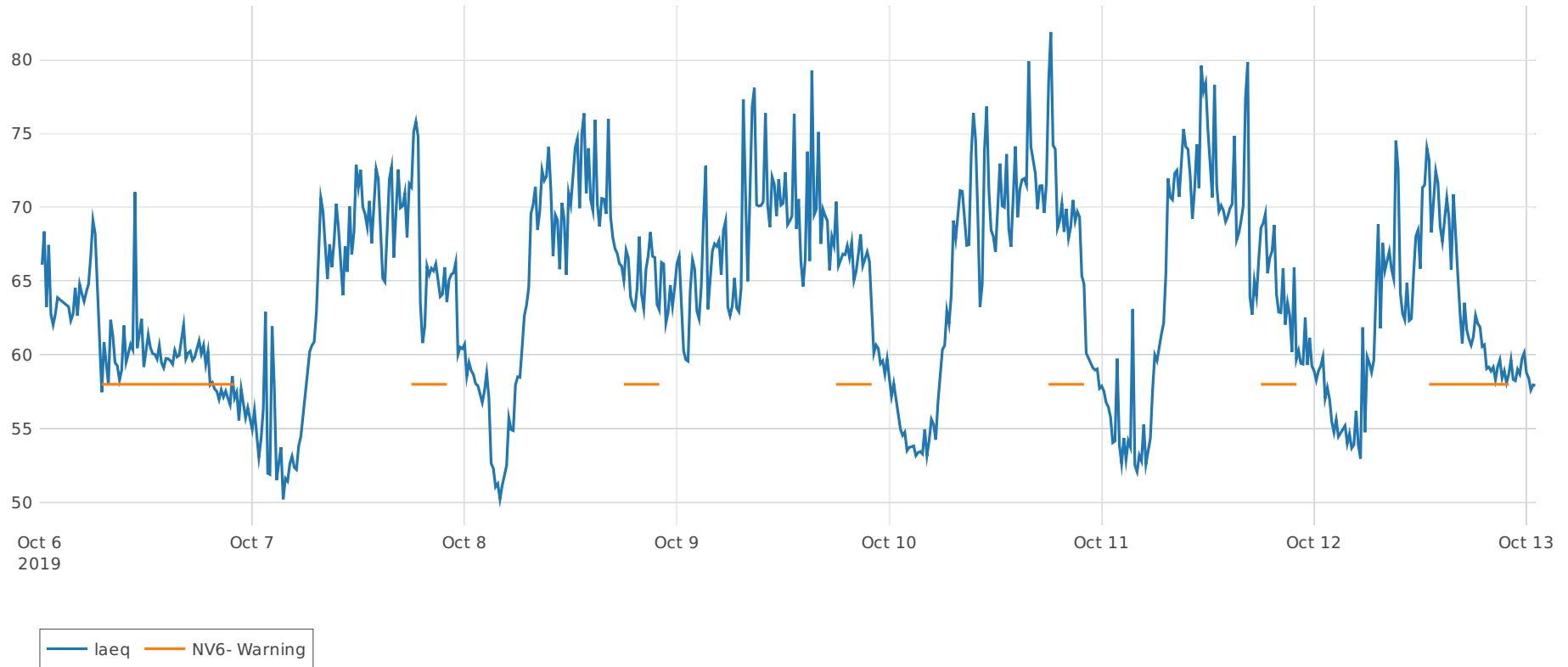
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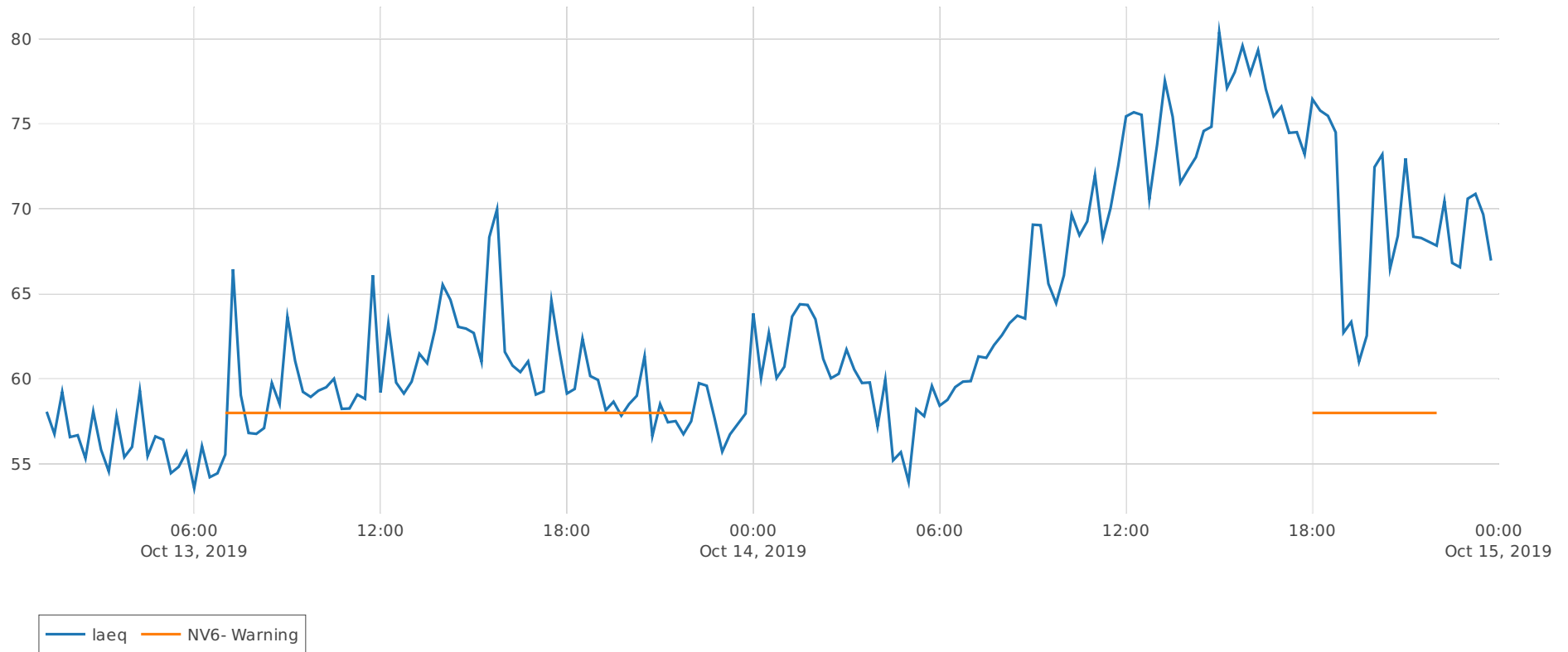
Noise5.1 - The Botanical Apartments | B&K SPL / 15 Minute LAeq | laeq



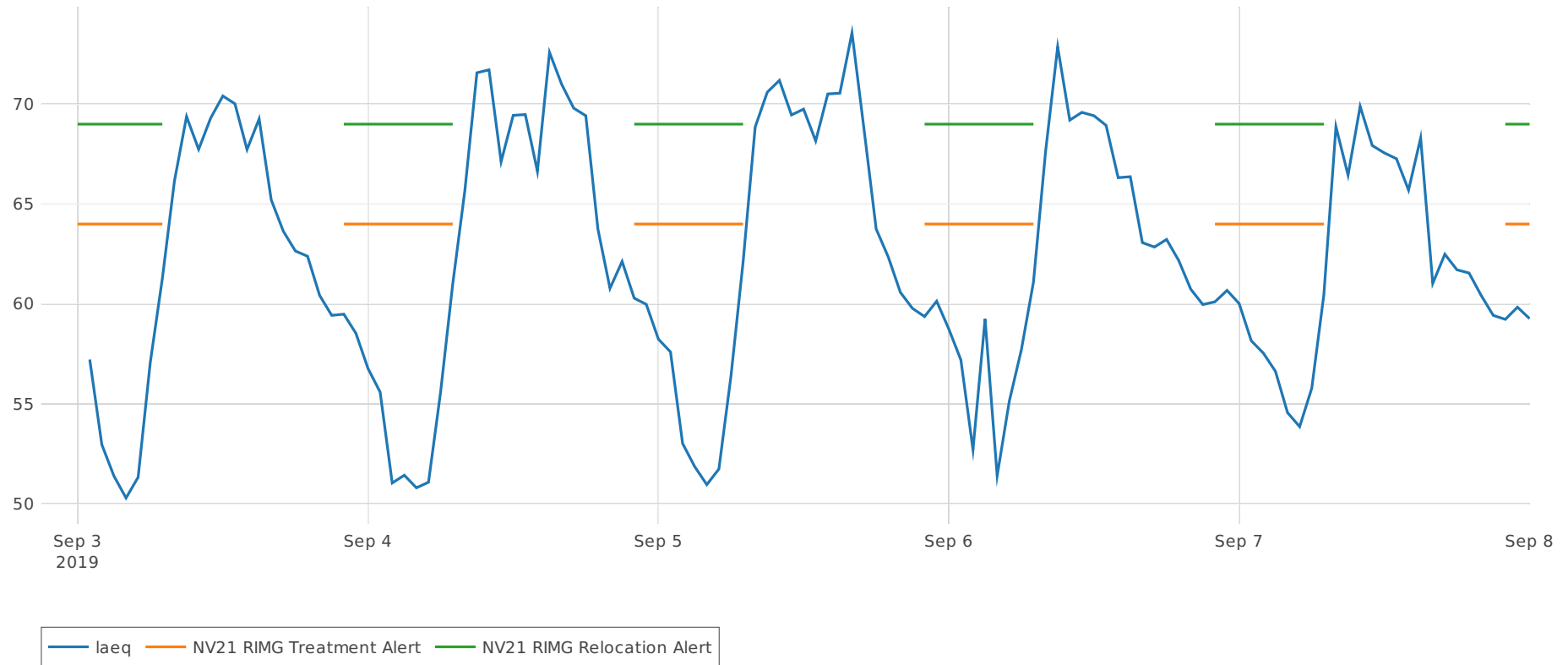
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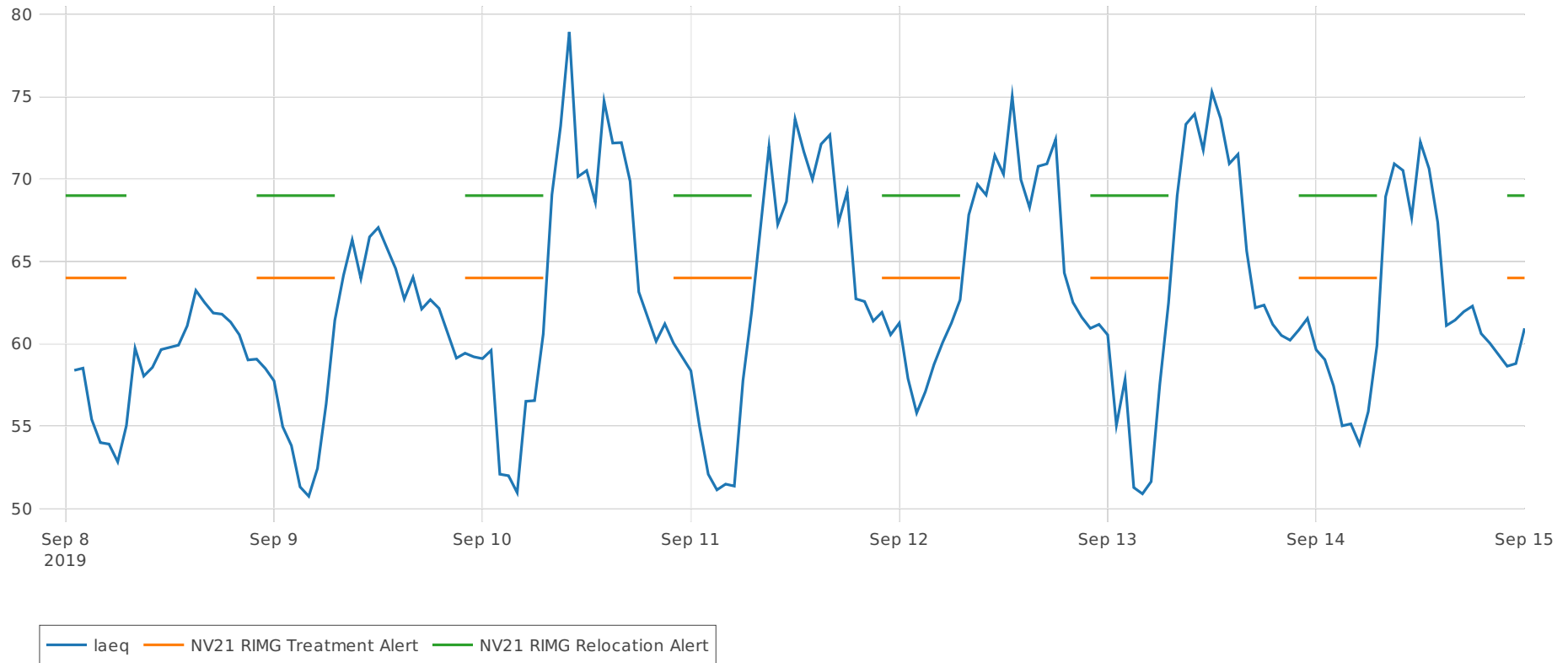
Noise5.1 - The Botanical Apartments | B&K SPL / 15 Minute LAeq | laeq



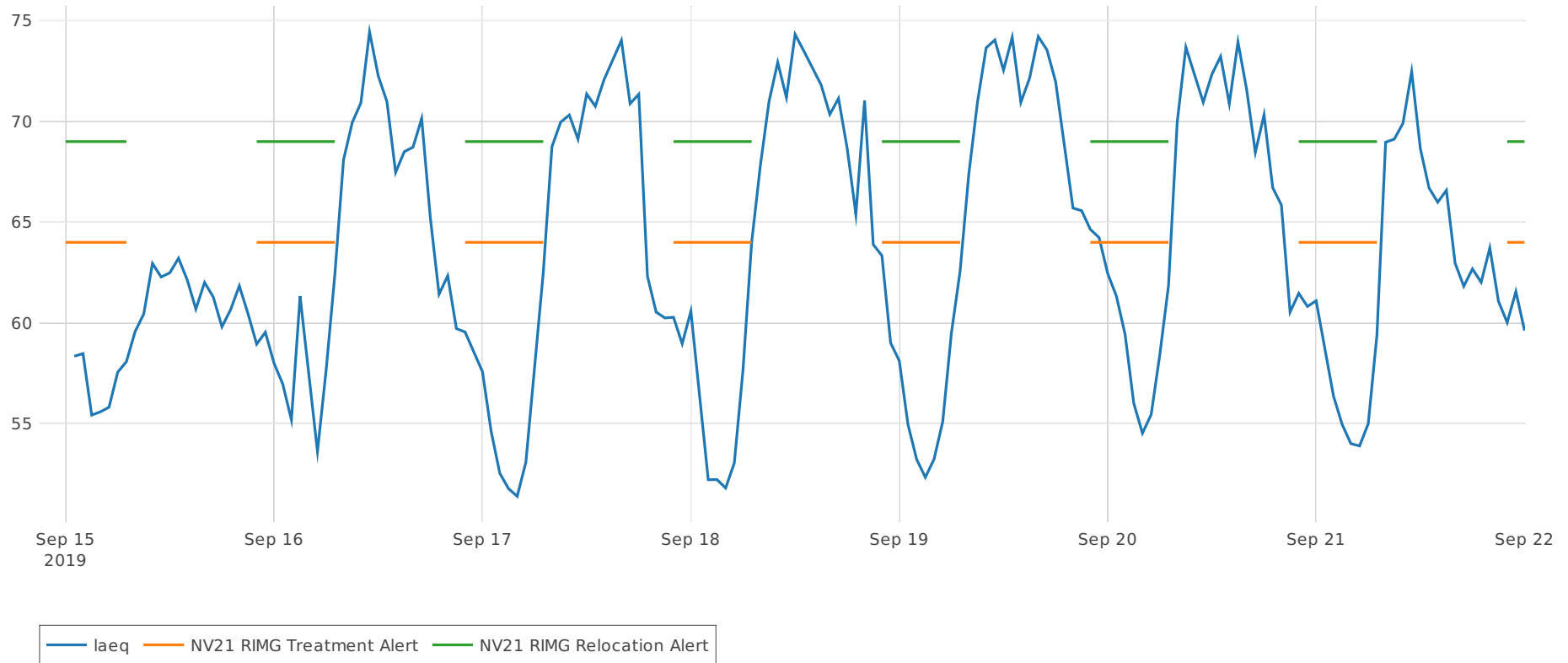
Noise5.1 - The Botanical Apartments | B&K SPL / 1 Hour LAeq | laeq



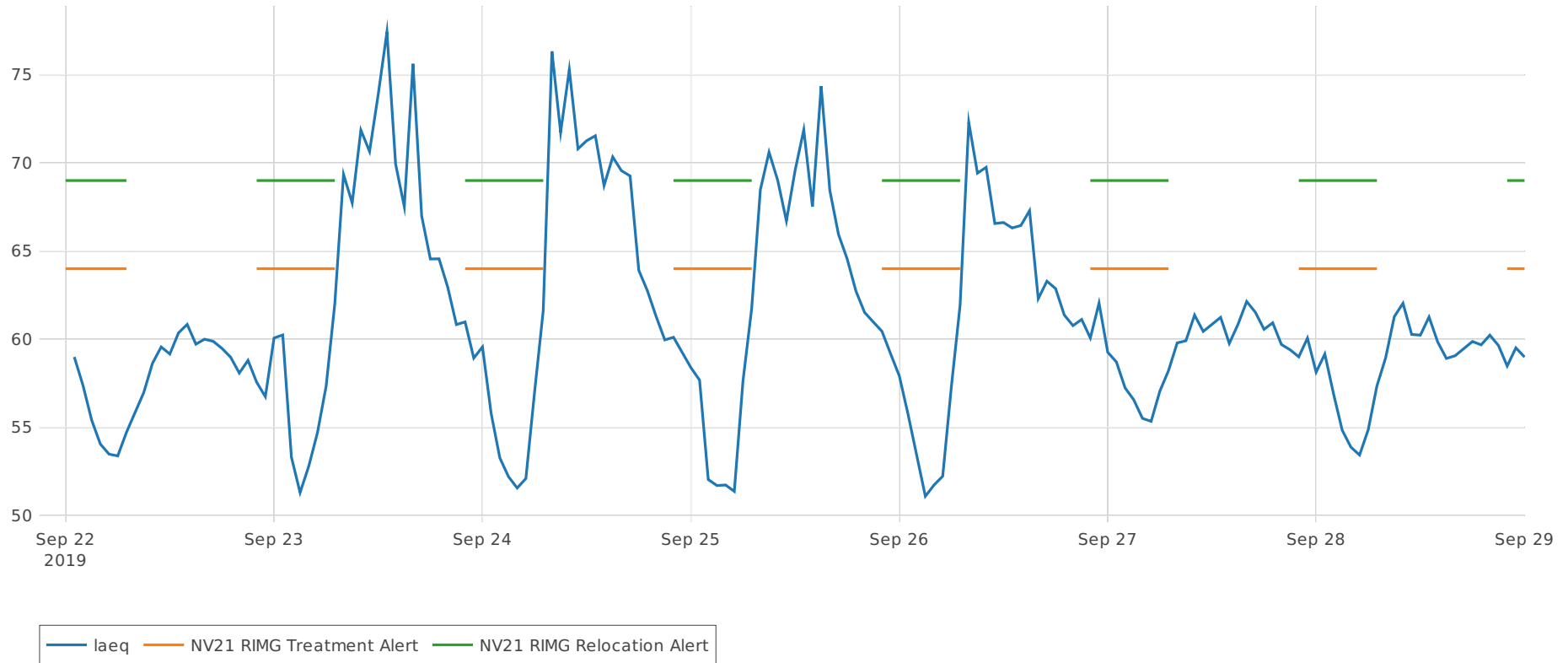
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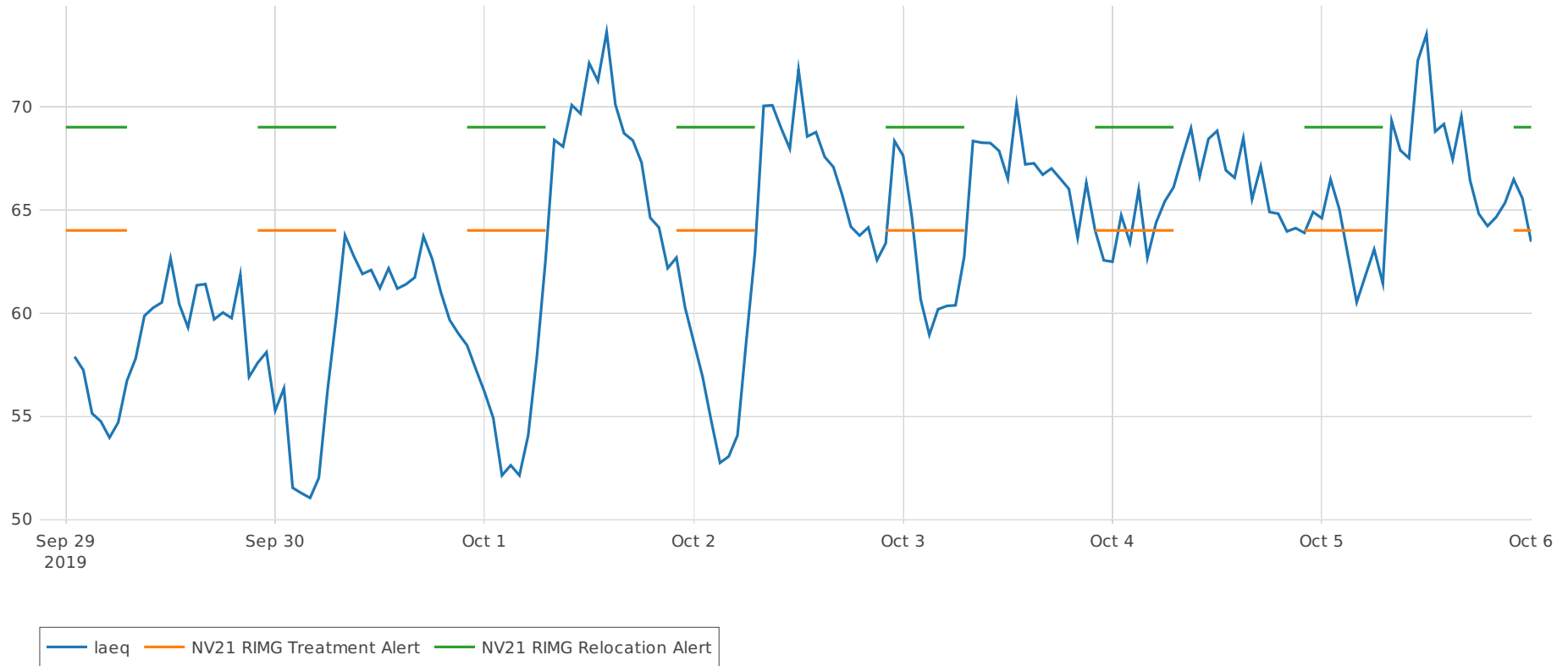
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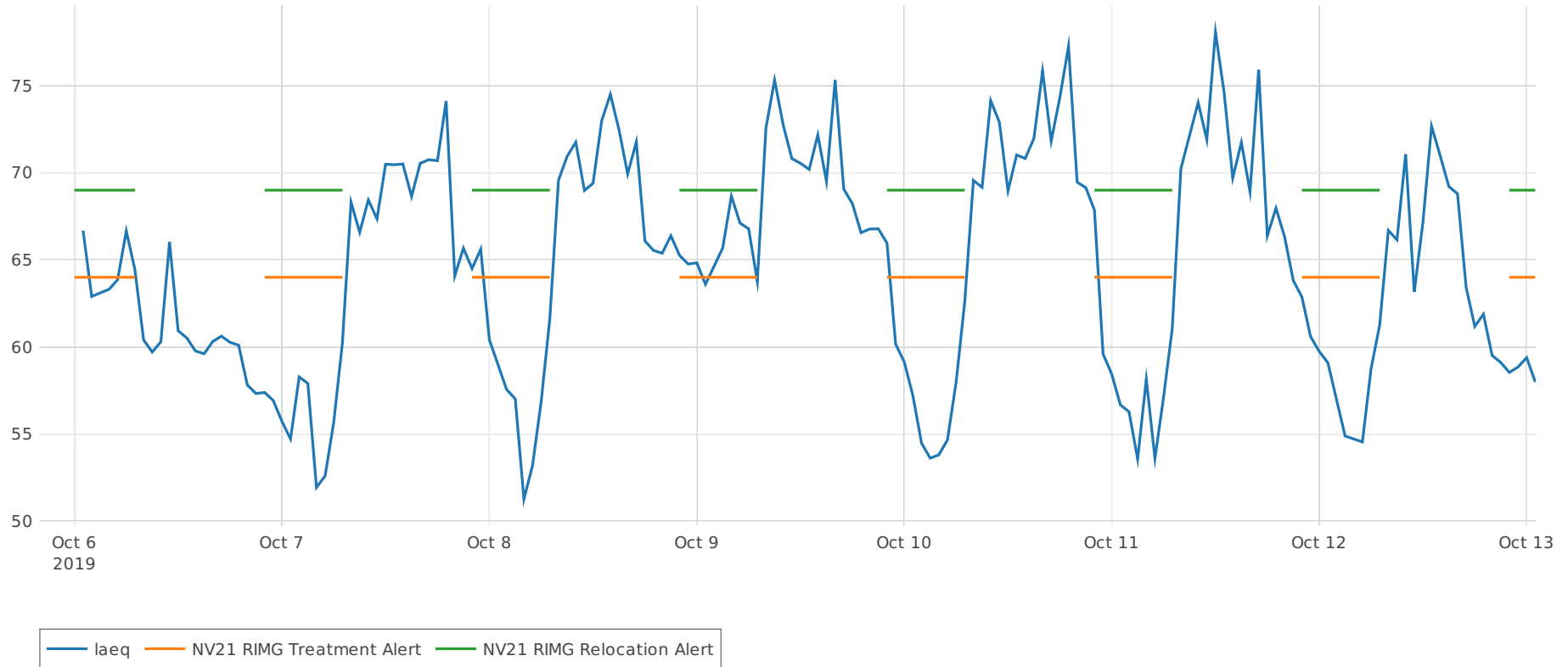
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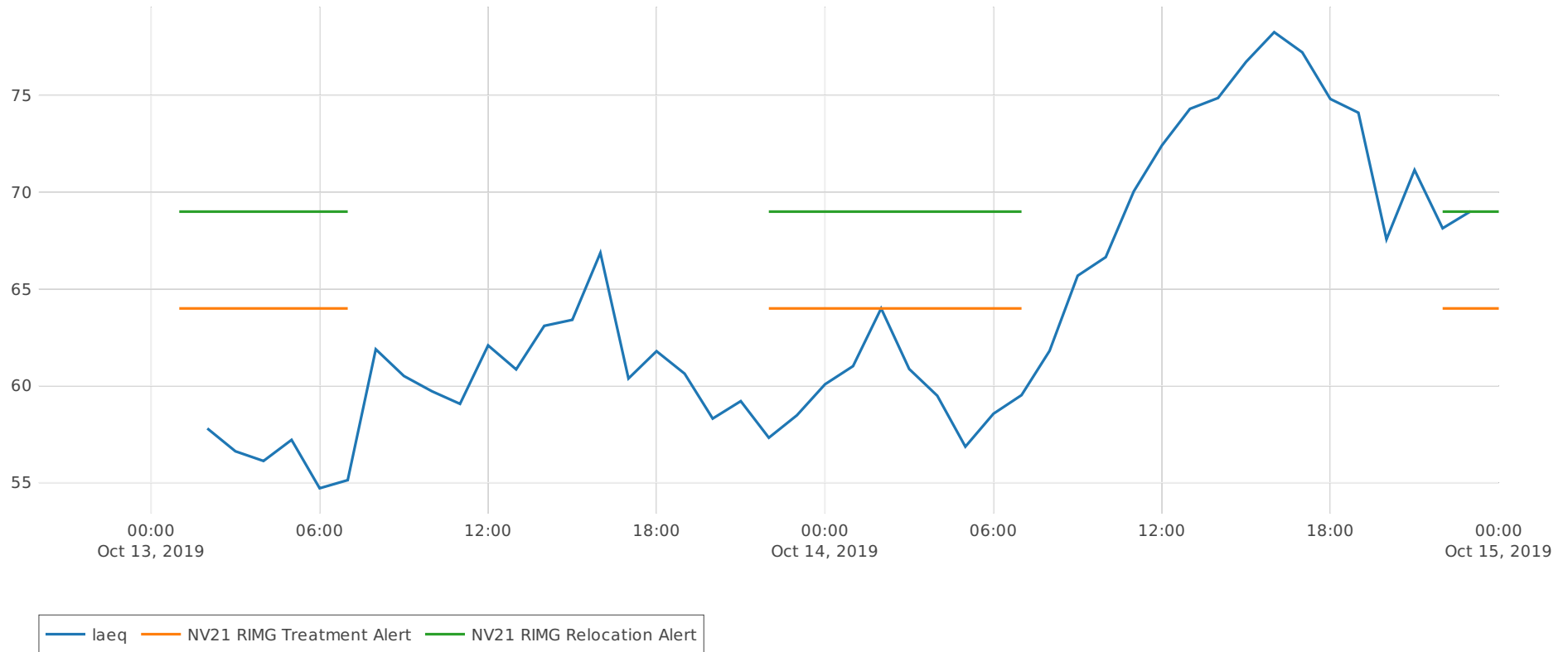
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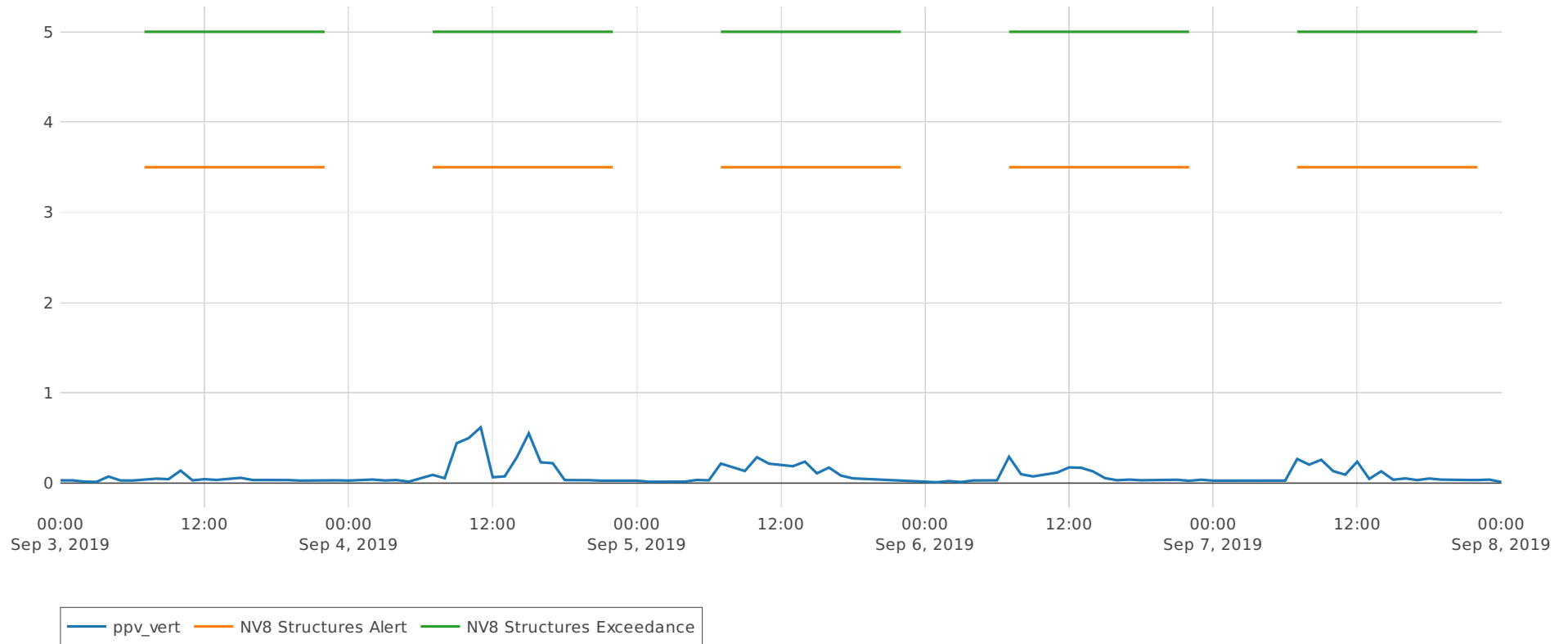
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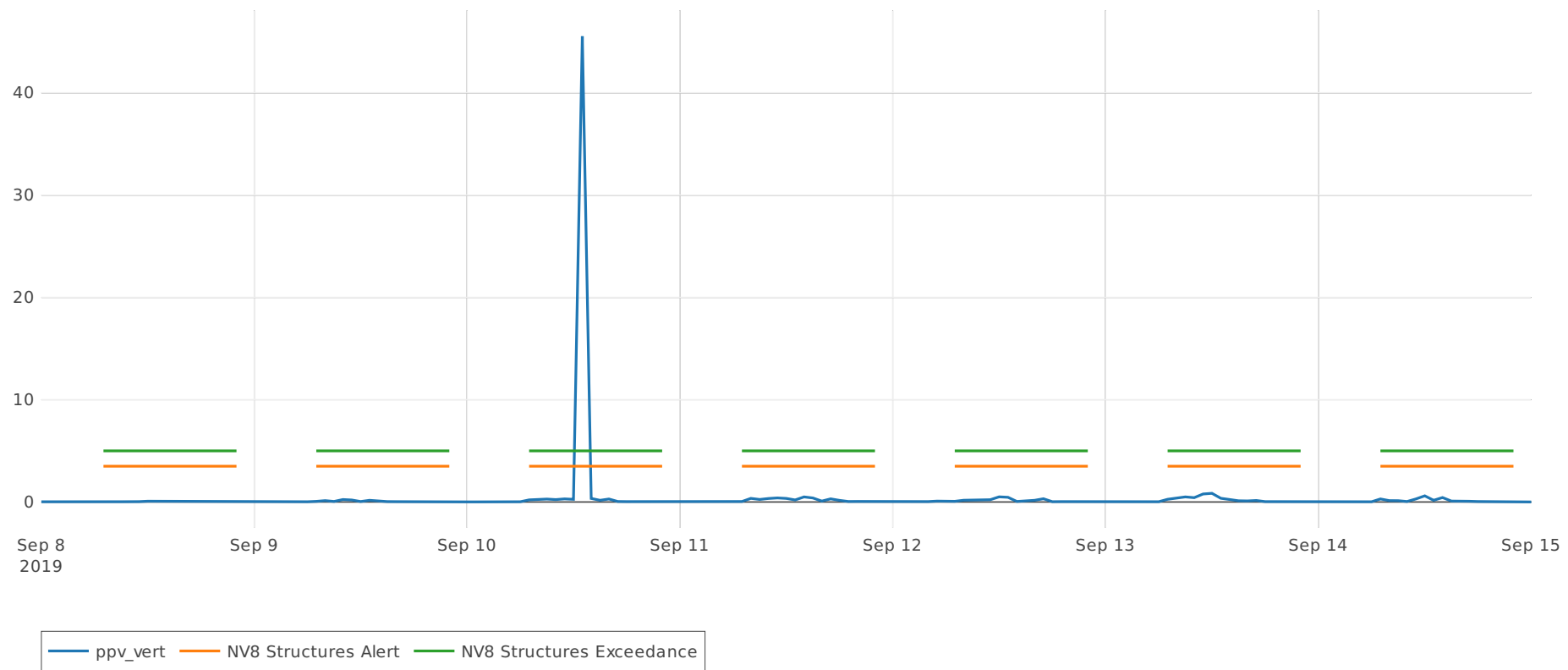
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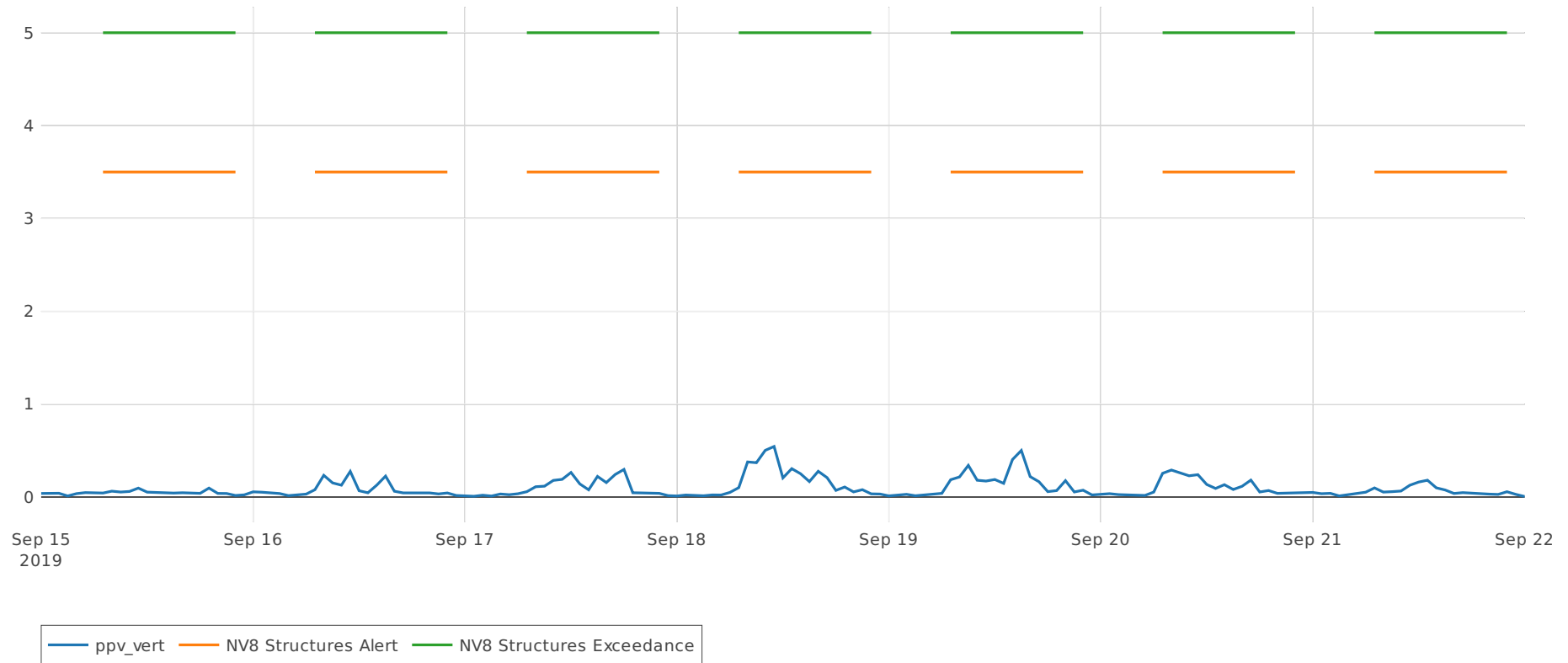
VIB 12 - The Botanica | B&K Vibration / One Minute Summary | ppv_vert



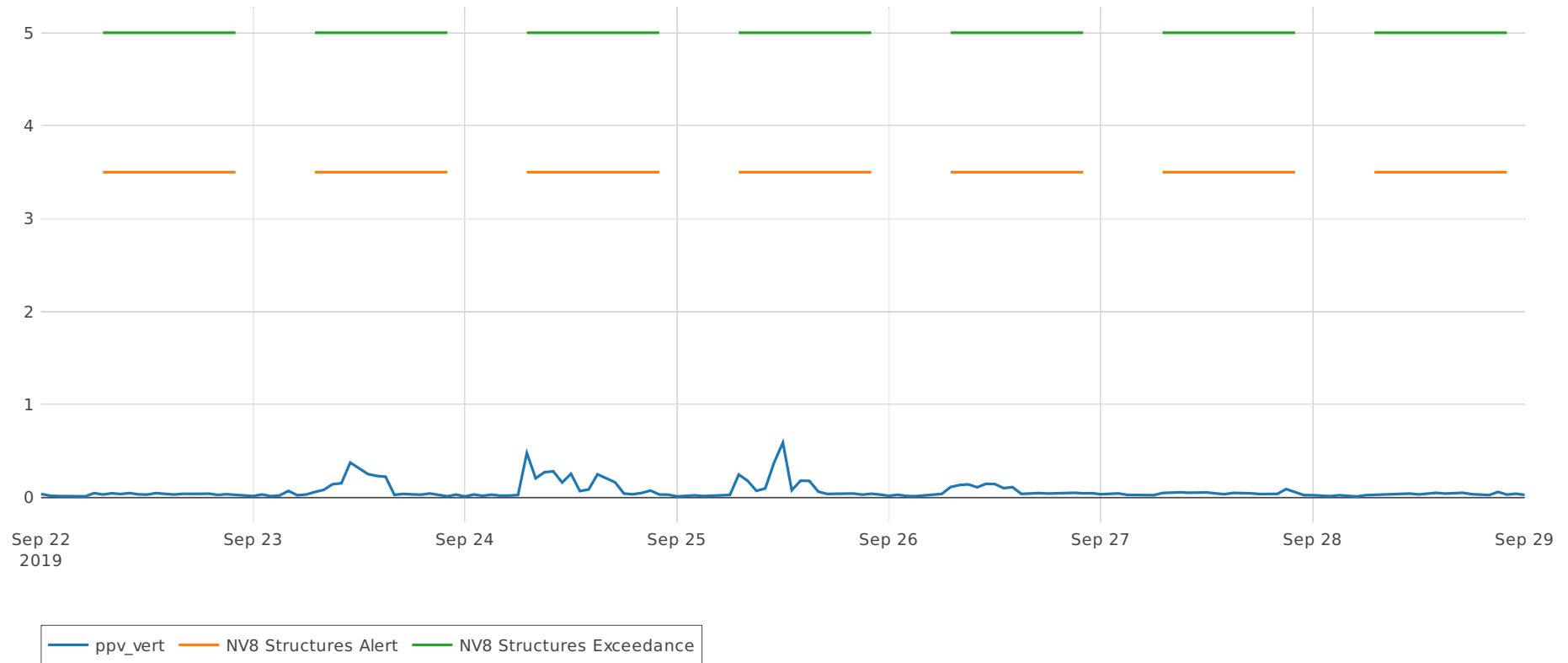
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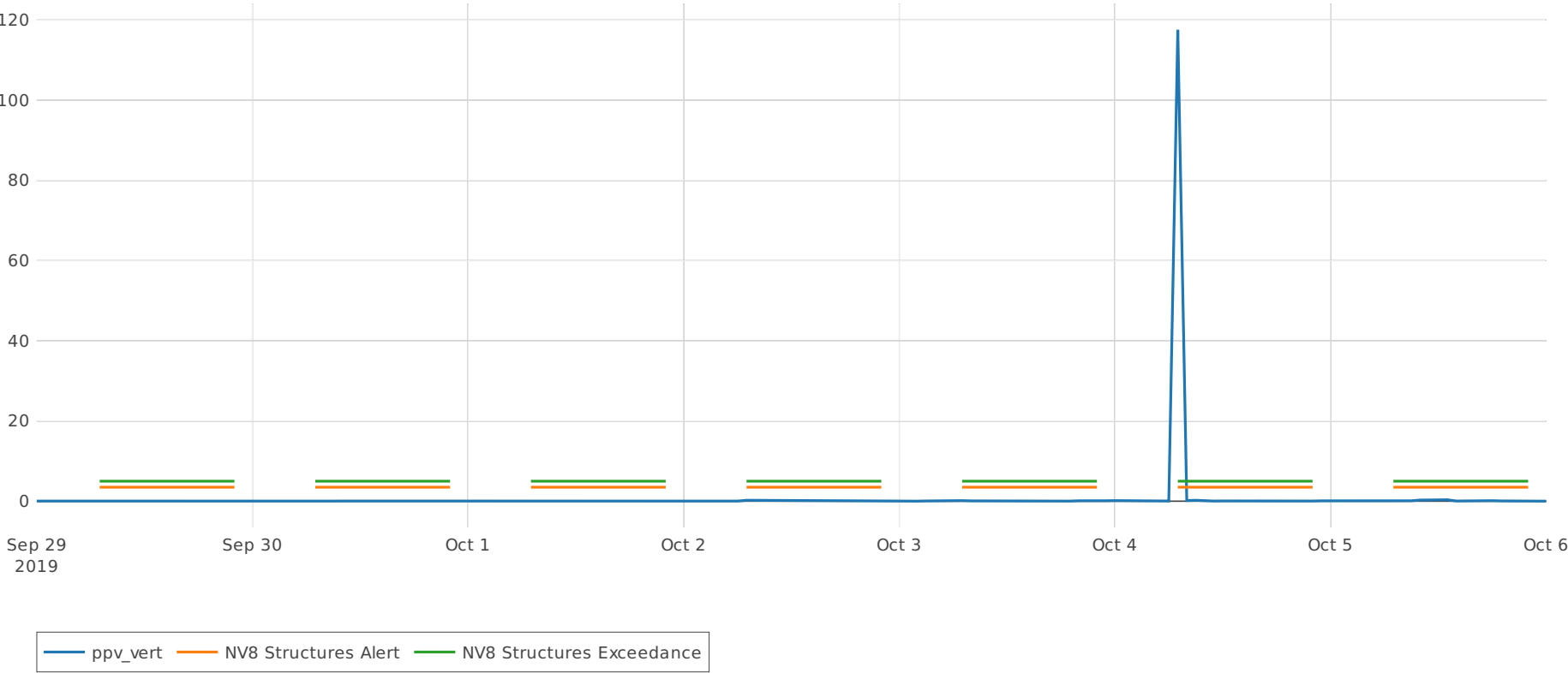
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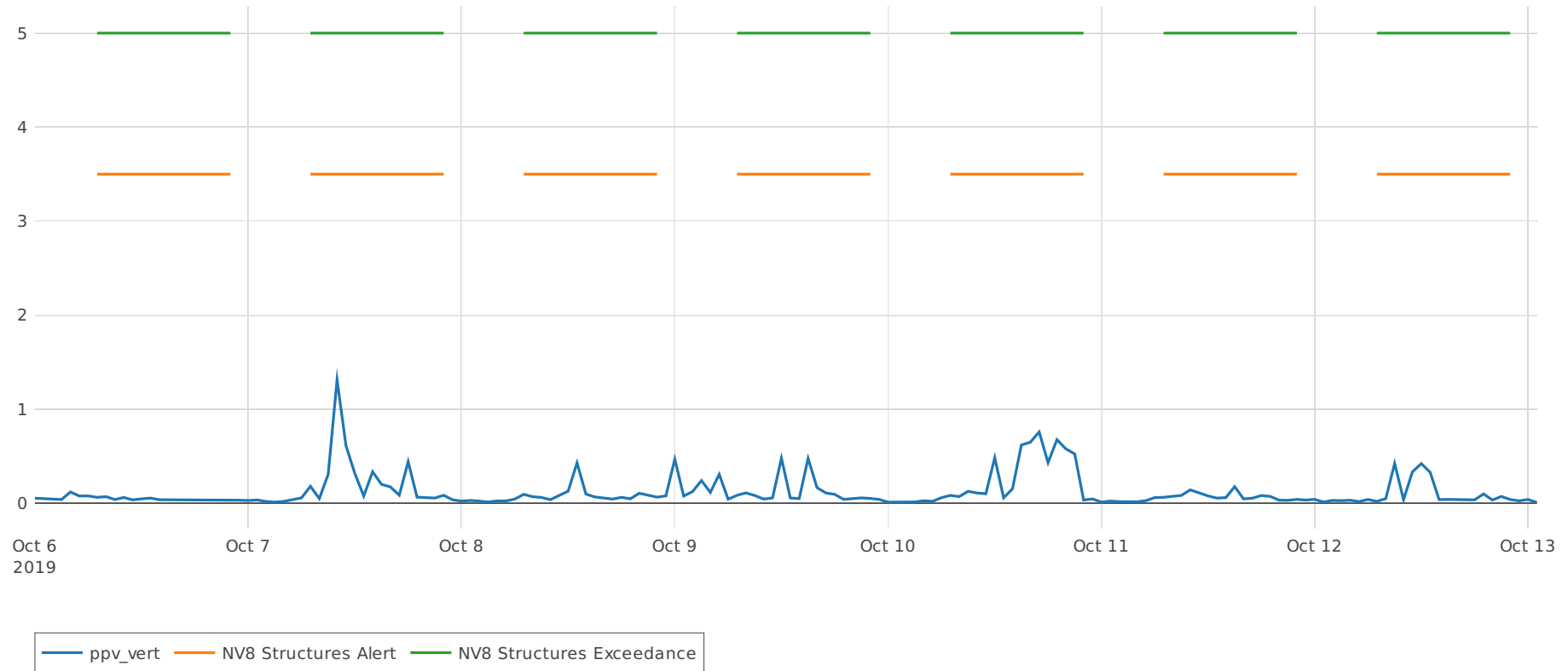
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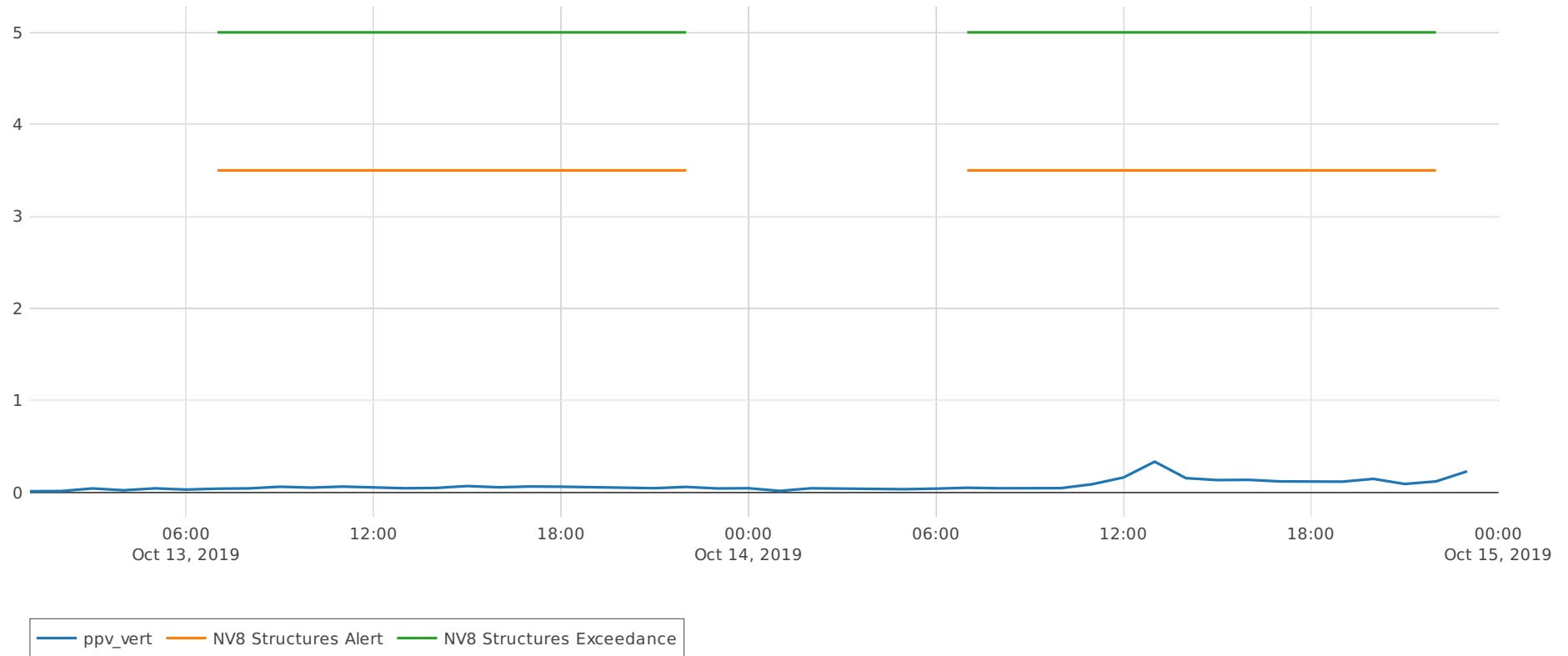
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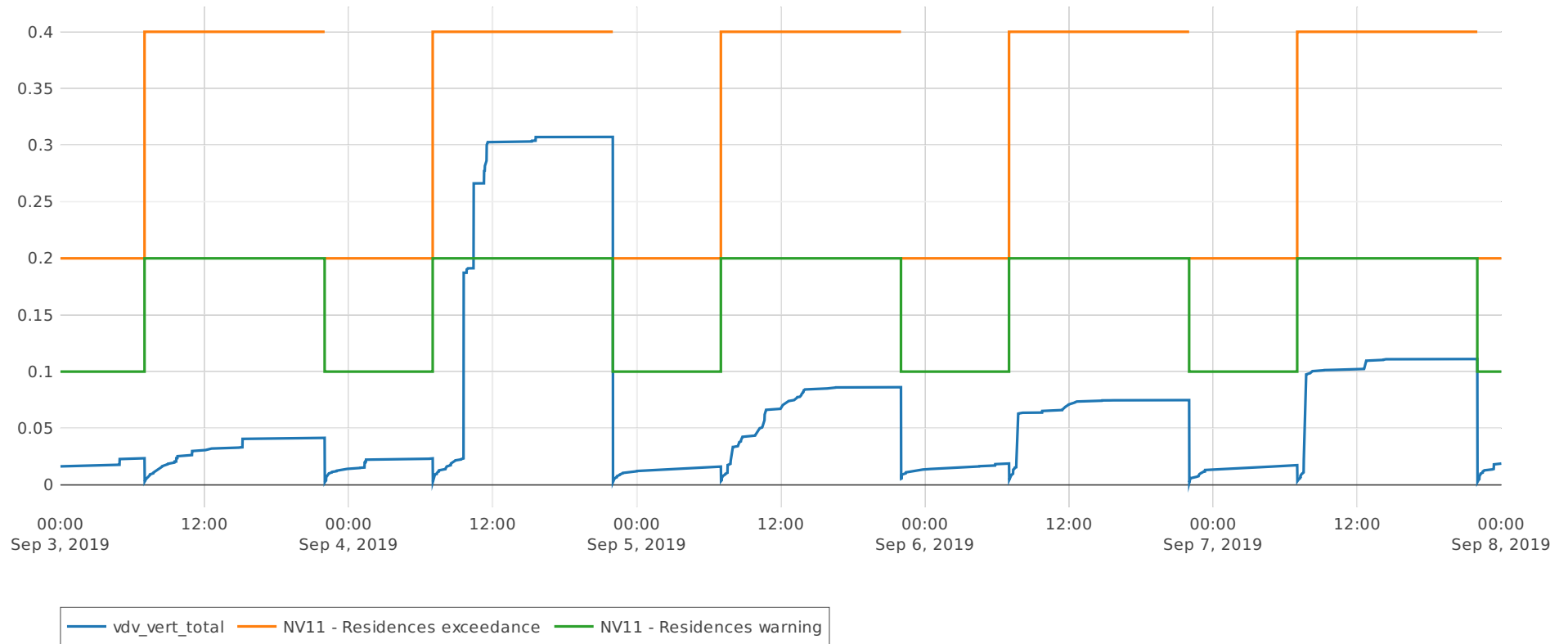
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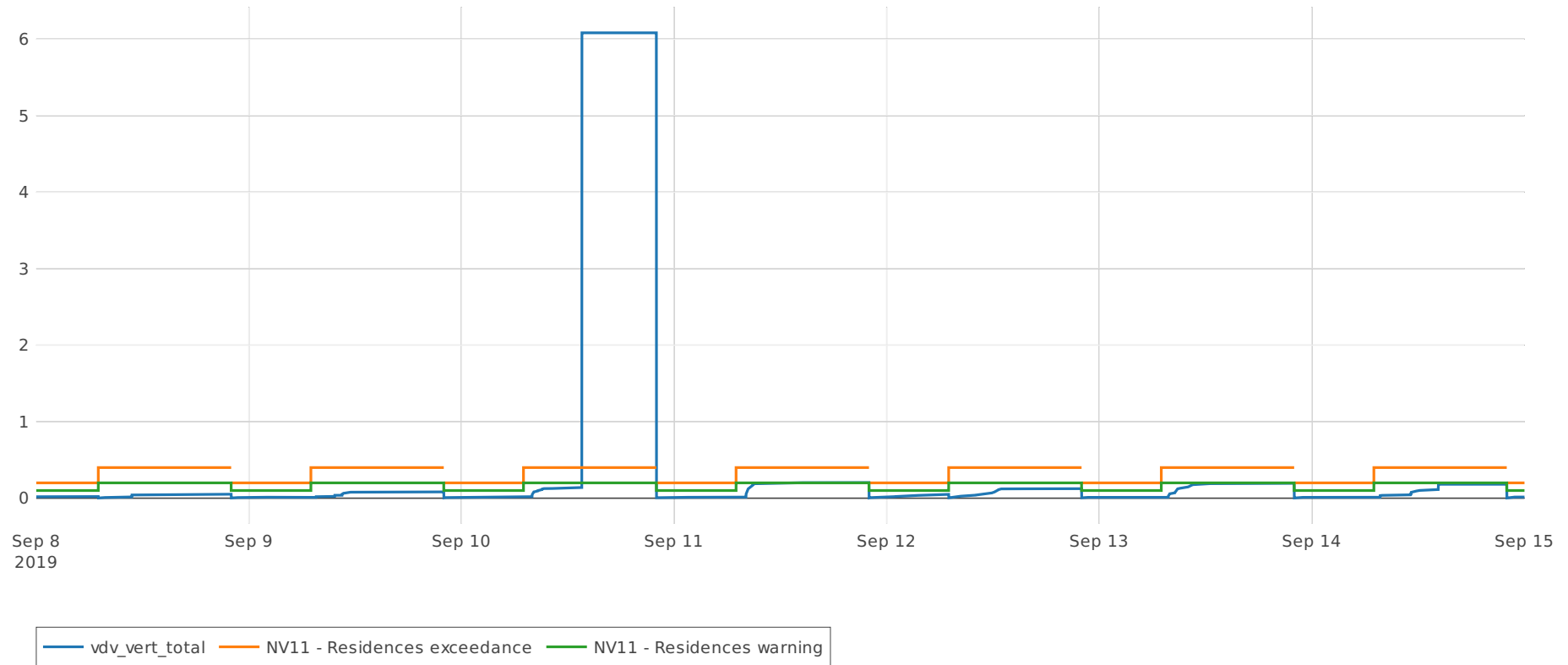
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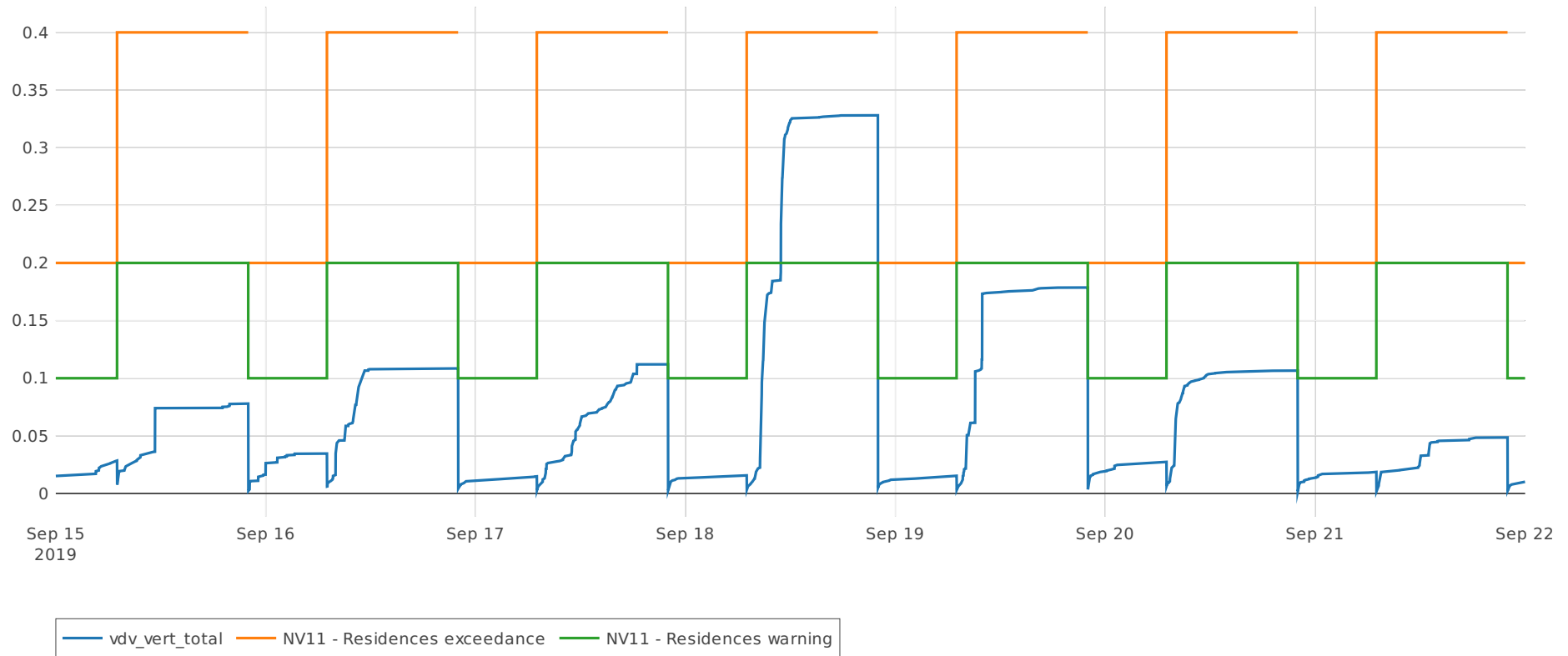
VIB 12 - The Botanica | B&K Vibration / 1 Minute Cumulative VDV | vdv_vert_total



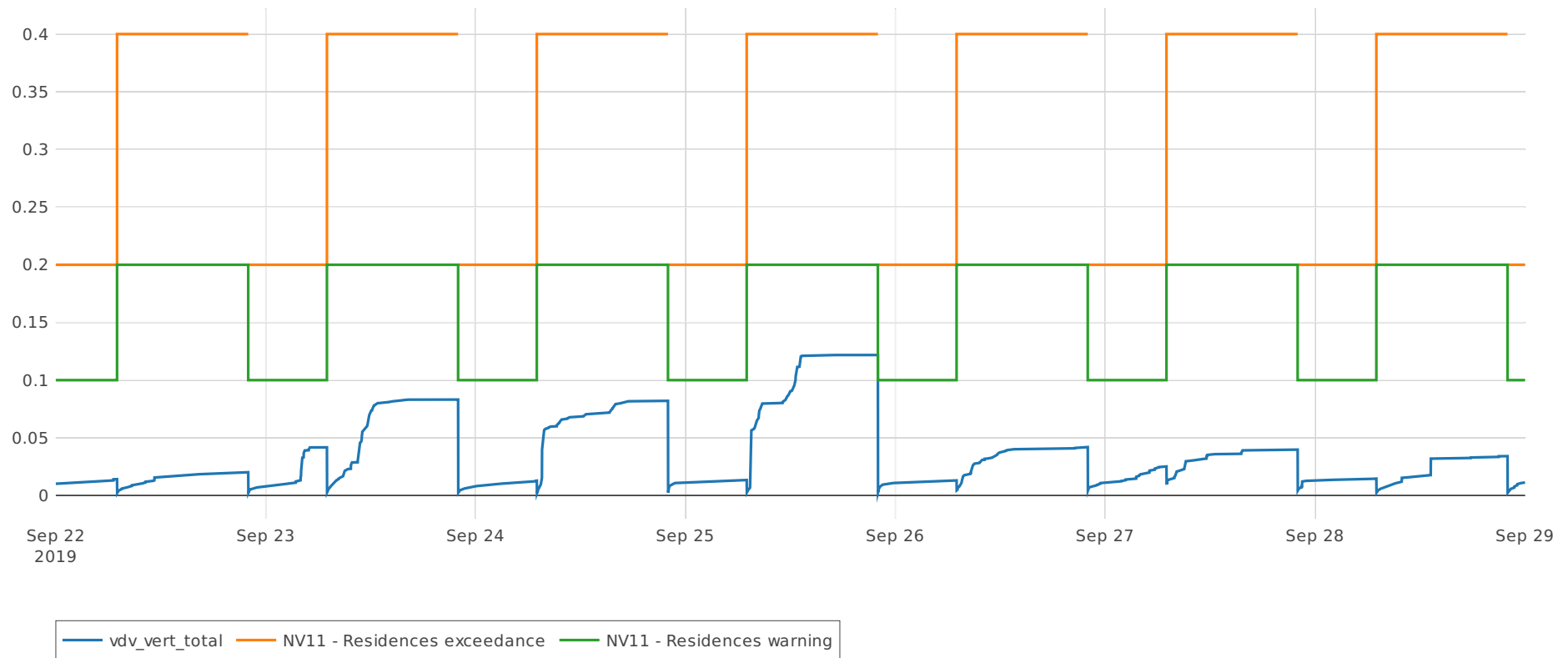
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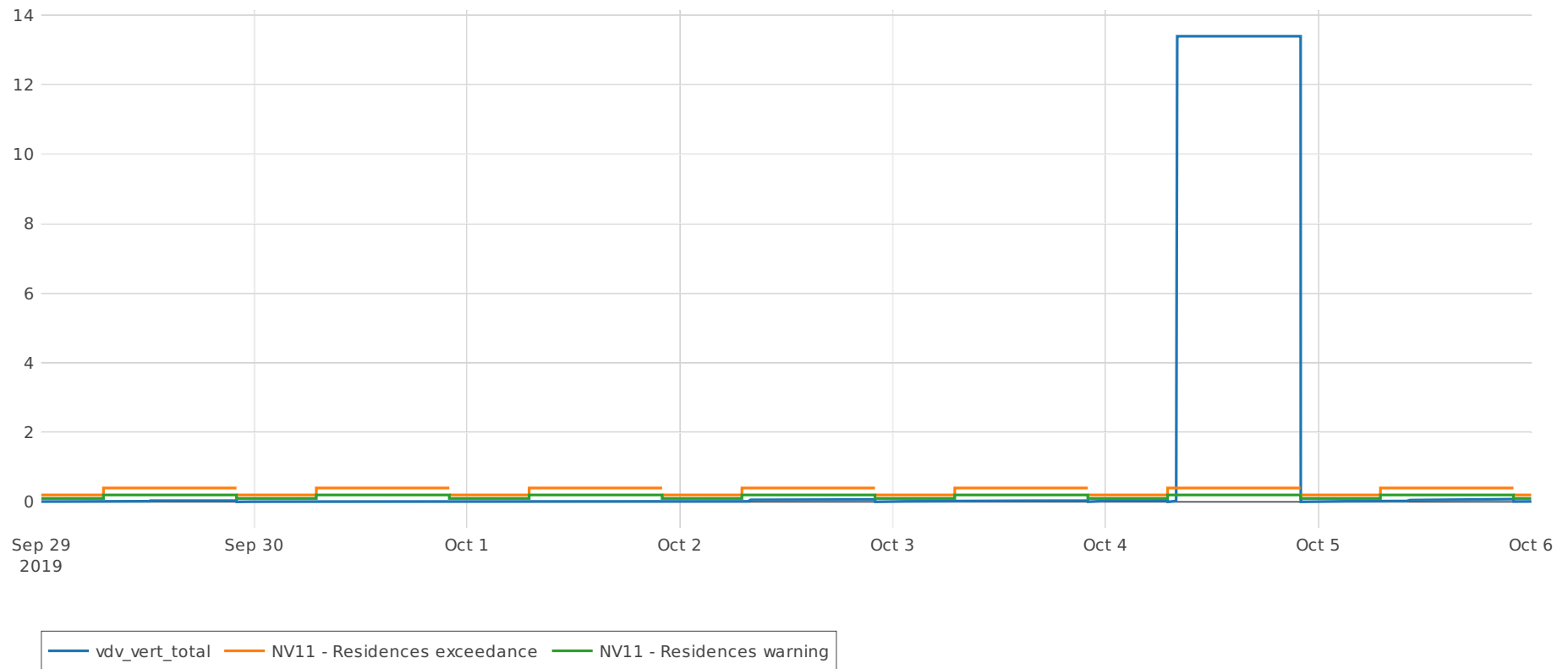
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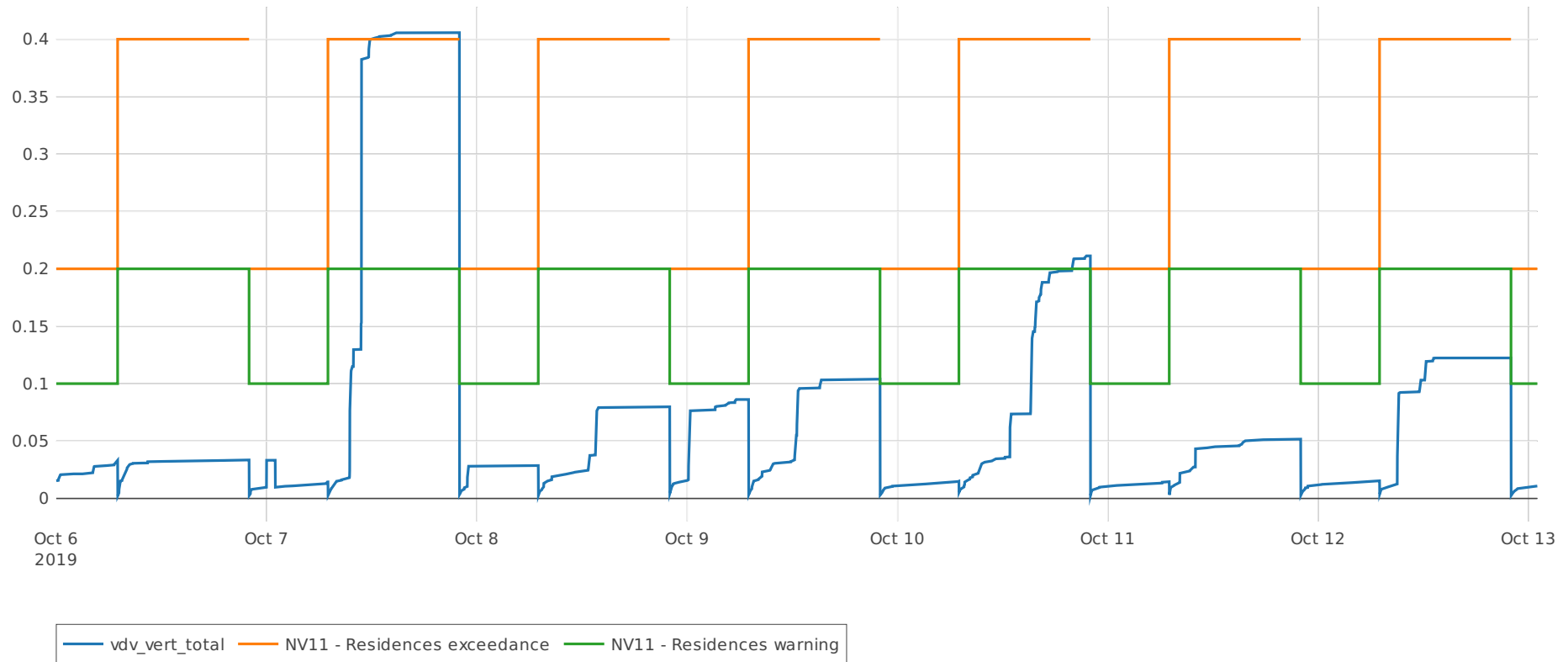
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