

504-514 SOUTH BOULEVARD PROJECT  
EVANSTON, IL

**VIBRATION  
MONITORING  
REPORT-11**

Mr. Antwan Ahmed  
Leopardo Companies  
210 N. Carpenter Street, Suite 300  
Chicago, Illinois 60607

December 29, 2025

Cti



4262 Old Grand Ave  
Suite 102  
Gurnee, IL 60031

December 29, 2025

Mr. Antwan Ahmed  
Leopardo Companies  
5200 Prairie Stone Parkway  
Hoffman Estates, Illinois 60192

RE: **Report 11:** - *Ground Vibration Monitoring of Construction Activities for the 504-514 S. Boulevard Project located in Evanston, Illinois.*

Mr. Ahmed,

Construction Testing and Instrumentation, Inc. (CTI) have prepared this vibration monitoring report, to evaluate vibrations during construction activities. This report summarizes the results of ground vibration monitoring of three seismographs. All units are located at the adjacent residential properties to the project site (see attached location diagram). This summary report covers the monitoring period from **December 22, 2025, through December 28, 2025**

The site is equipped with two Omnidot Swarm V2.2cw seismographs and one Geosonic 3000LC. All devices are capable of recording peak particle velocity (PPV) and frequency (in Hertz), allowing for comprehensive vibration monitoring and analysis. The maximum allowable peak particle velocity is 0.5 inches per second (IPS), which is based upon the criteria established by the U.S Bureau of Mines (USBM) and a typical construction threshold. The seismographs are set to trigger whenever vibration levels exceed 0.003 in/s lowest (PPV) and continuously monitor vibrations during all construction activities.

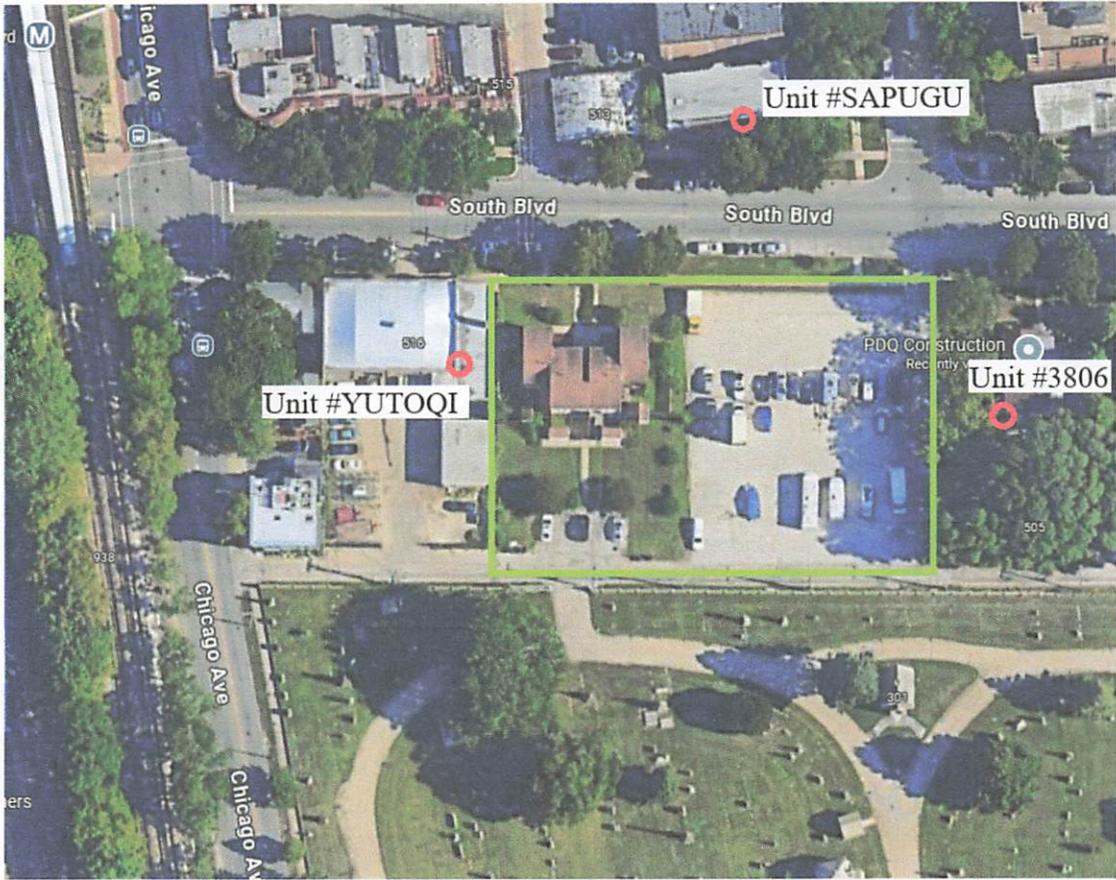
All vibration recordings during this report period were below the 0.5-inch per second threshold limit. The maximum PPV and averages for the monitoring period are below.

December 22, 2025	<b>Location #1 – 516 South Blvd</b>	Unit #YUTOQI	0.046 (in/sec)
December 22, 2025	<b>Location #2 – 507 South Blvd</b>	Unit #SAPUGU	0.037 (in/sec)
December 24, 2025	<b>Location #3 – 424 South Blvd</b>	Unit #3806	0.320 (in/sec)

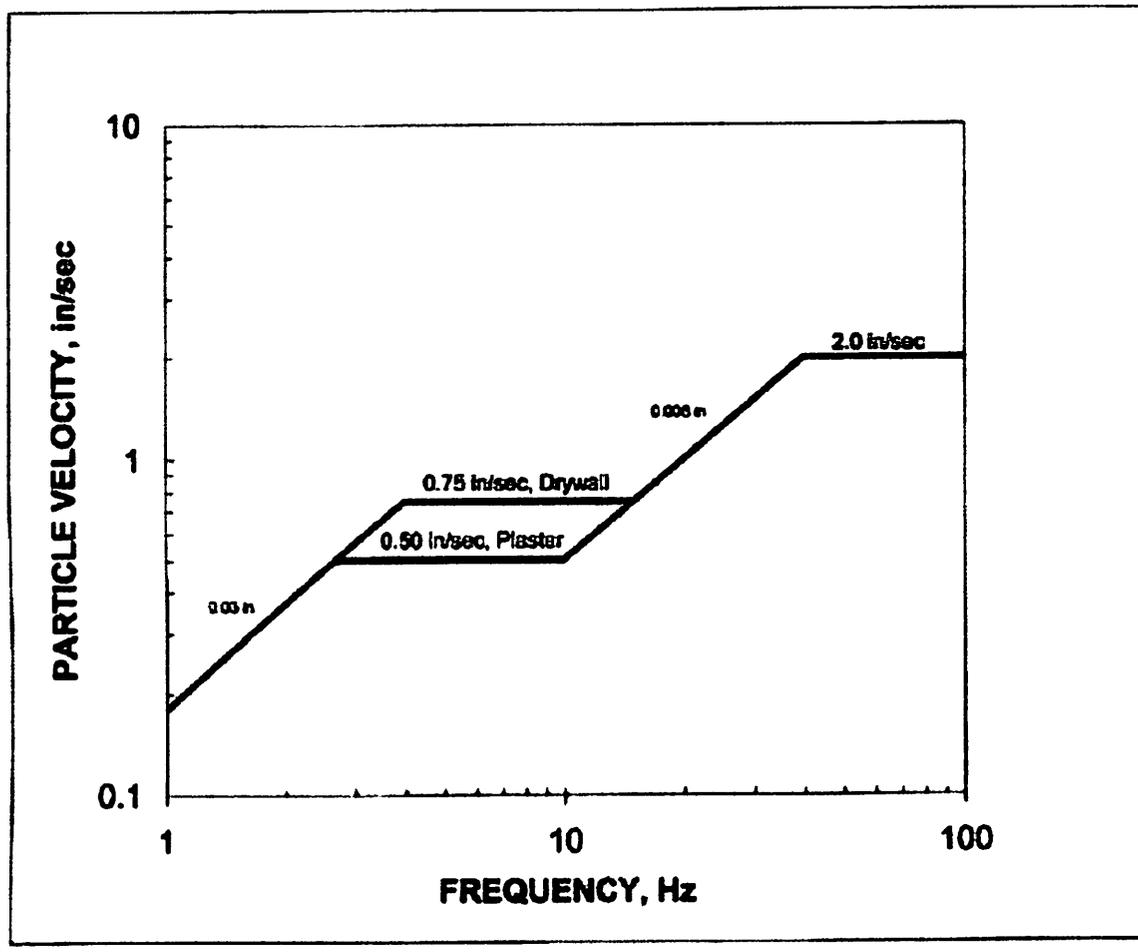
If you have any questions regarding this report, please contact this office at (847) 244-5108.

Sincerely,  
Construction Testing & Instrumentation, Inc.

Daniel J. McCarthy  
Senior Instrumentation Specialist



○ Seismograph Location



### INDUSTRY STANDARD ACCEPTABLE PPV LEVELS

The most influential research on the effects of ground-borne vibrations was conducted by Siskind et al. (1980) of the U.S. Bureau of Mines.<sup>1</sup> Based on the results of an extensive experimental study, the authors recommended acceptable vibration levels for residential structures at which there is a sufficiently lower probability of damage initiation. They suggested a minimum peak particle velocity at frequencies below 40 Hz of 0.75 in/sec for homes with gypsum wallboard construction and 0.5 in/sec for homes with plaster and lath construction. An acceptable peak particle velocity of 2.0 in/sec was recommended for all homes at frequencies greater than 40 Hz. These values were based on a 5% probability of occurrence of threshold (cosmetic) damage. The authors also developed a more detailed functional relationship between acceptable PPV levels and vibration frequency. A similar functional relationship was adopted by the Office of Surface Mining Reclamation and Enforcement.<sup>2</sup> The USBM and OSMRE curves are shown in Figure 2. These recommended acceptable PPV levels have been successfully applied to other activities that induce ground-borne vibrations and they have been widely used by the construction industry.

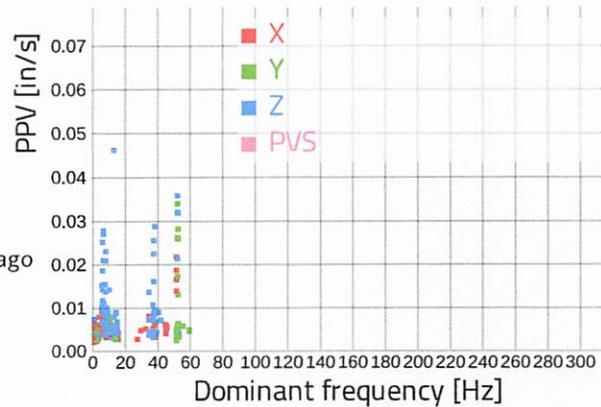
<sup>1</sup> Siskind, D. E., Stagg, M. S., Kopp, J. W., and Dowding, C. H. (1980). "Structure Response and Damage Produced by Ground Vibration from Surface Blasting," *Report of Investigations 8507*, U.S. Bureau of Mines. <sup>2</sup> Rosenthal, M. F. and Morlock, G. L. (1987). *Blasting Guidance Manual*, U.S. Department of the Interior, Office of Surface Mining Reclamation and Enforcement.

Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



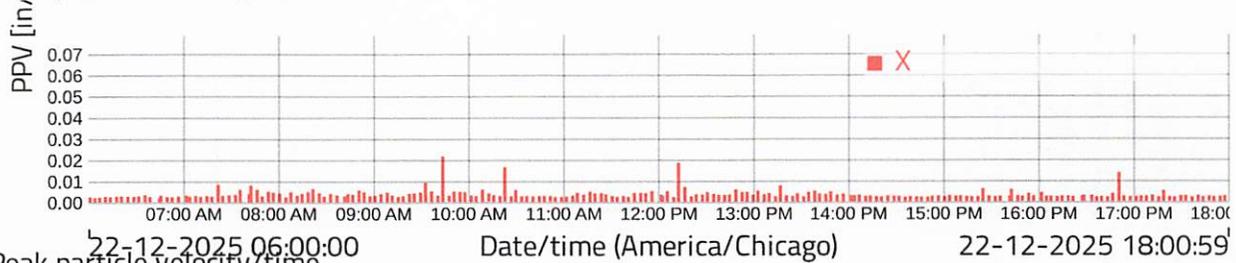
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Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

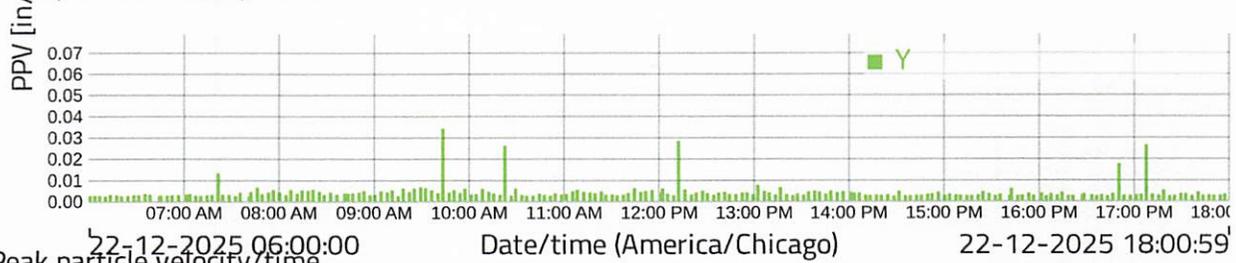


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 22, 2025 09:45:59	x	0.022	52.0
Dec. 22, 2025 09:45:59	y	0.034	52.5
Dec. 22, 2025 12:44:05	z	0.046	13.5

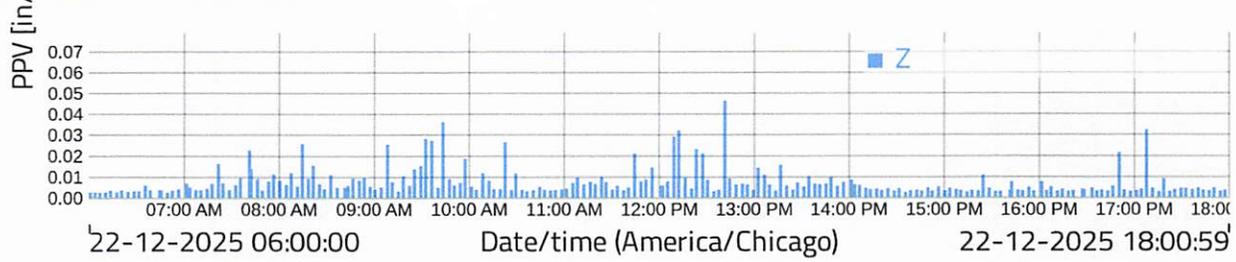
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

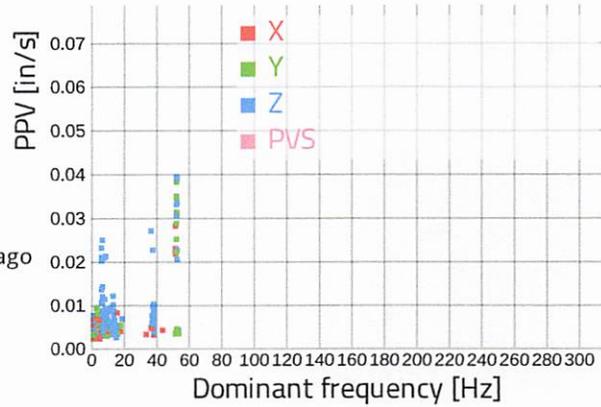


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



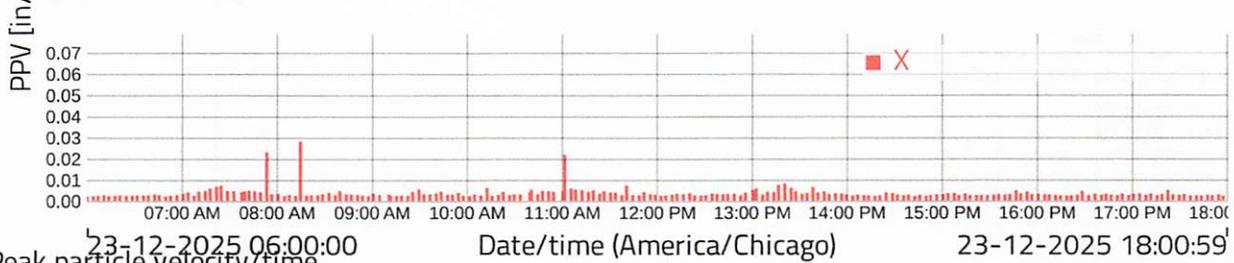
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Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

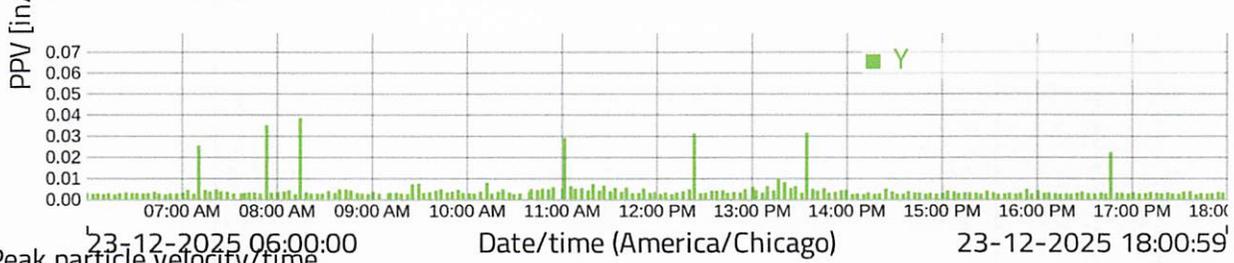


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 23, 2025 08:15:53	x	0.028	52.0
Dec. 23, 2025 08:15:53	y	0.038	52.5
Dec. 23, 2025 08:15:53	z	0.039	52.5

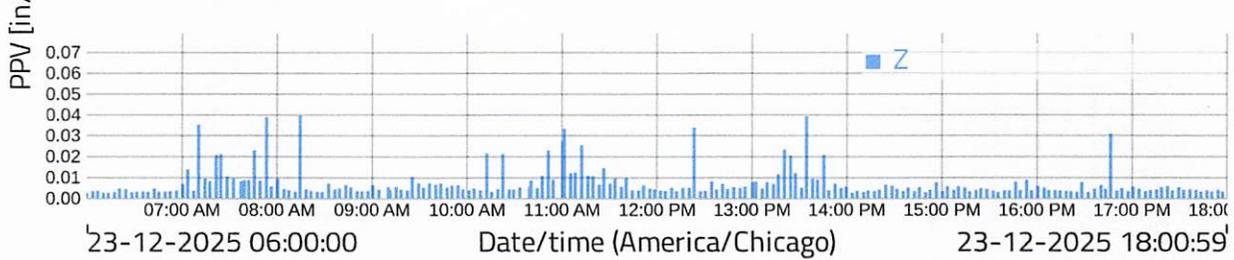
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

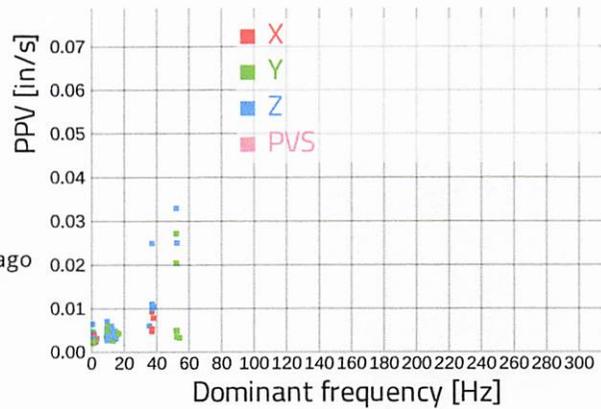


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



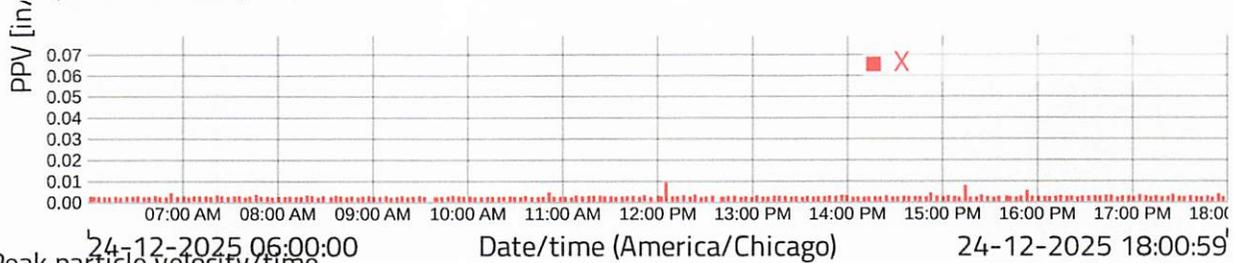
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Guideline	ISEE 250Hz
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Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

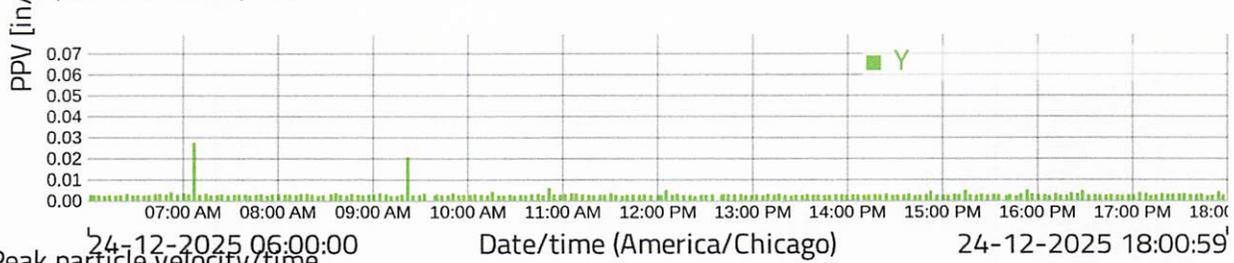


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 24, 2025 12:07:59	x	0.009	37.5
Dec. 24, 2025 07:07:35	y	0.027	52.5
Dec. 24, 2025 07:07:35	z	0.033	52.5

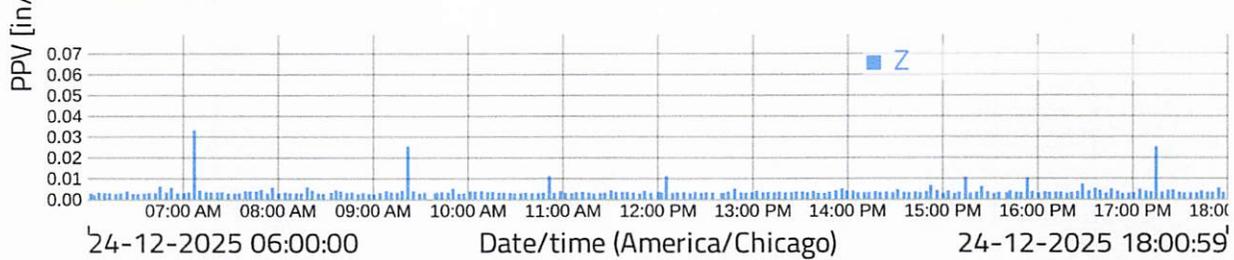
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

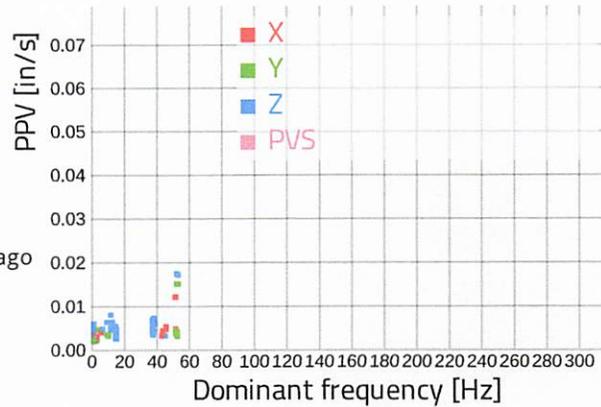


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



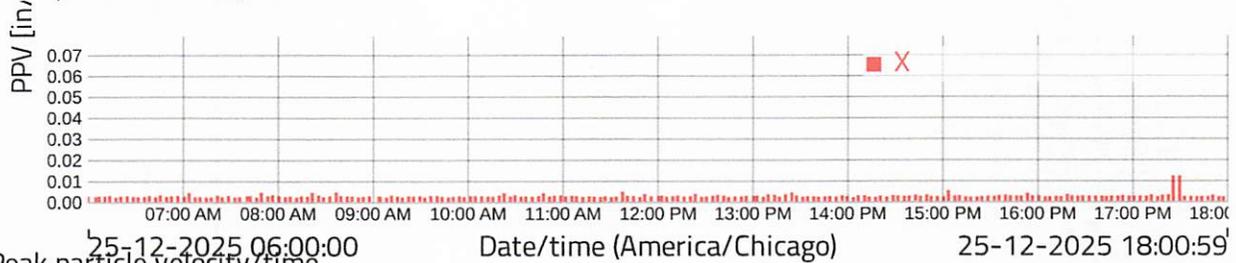
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PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

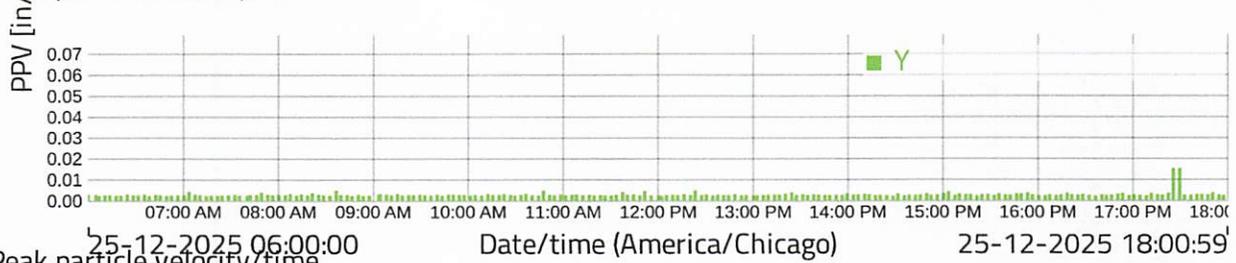


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 25, 2025 17:25:59	x	0.012	52.0
Dec. 25, 2025 17:30:59	y	0.015	53.5
Dec. 25, 2025 17:25:59	z	0.017	52.5

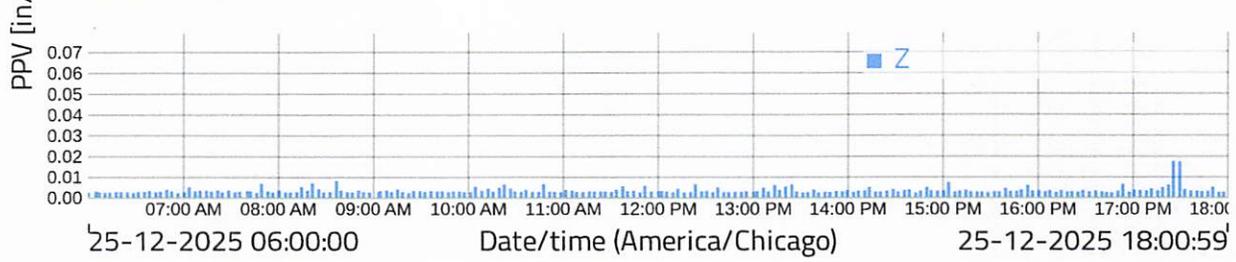
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

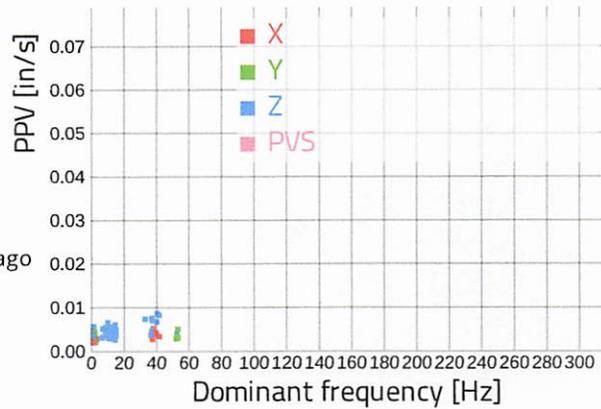


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



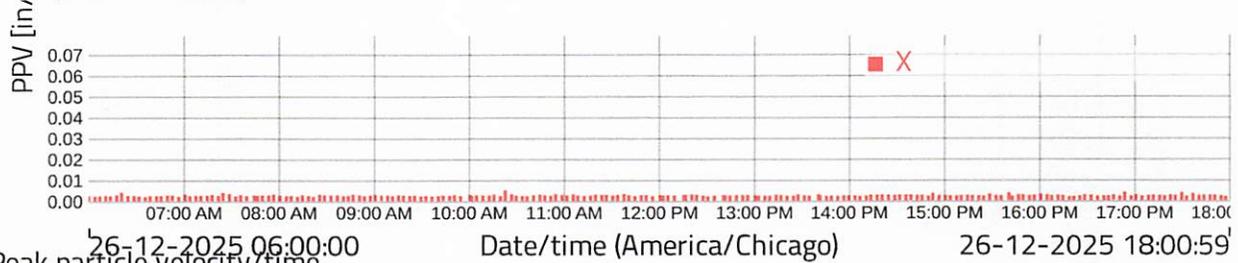
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PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

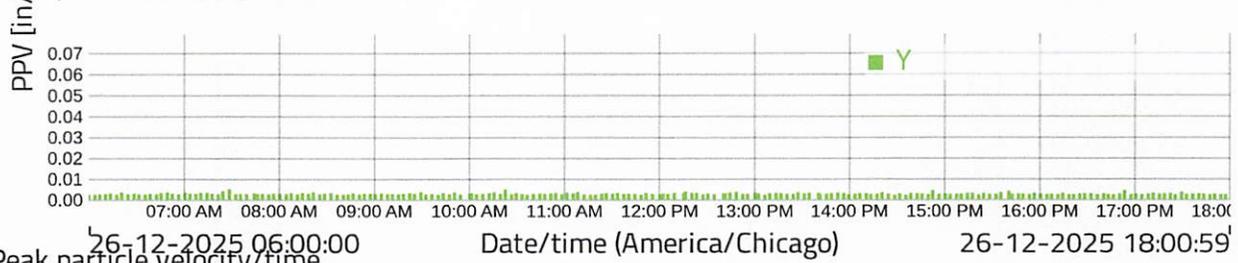


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 26, 2025 10:24:59	x	0.005	38.5
Dec. 26, 2025 07:30:59	y	0.005	53.5
Dec. 26, 2025 10:24:59	z	0.008	41.0

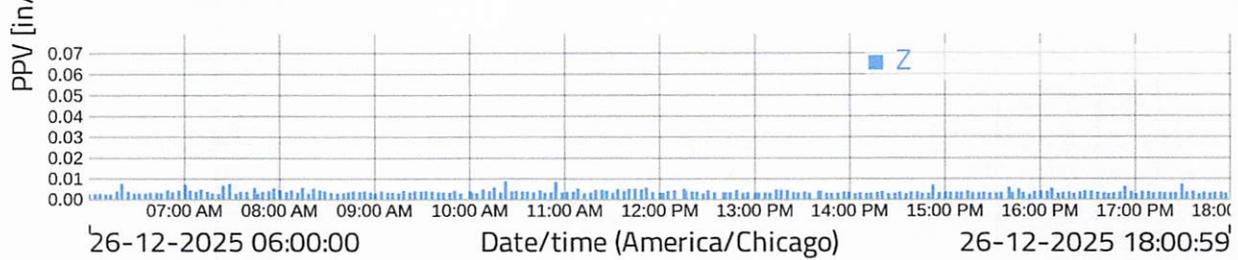
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

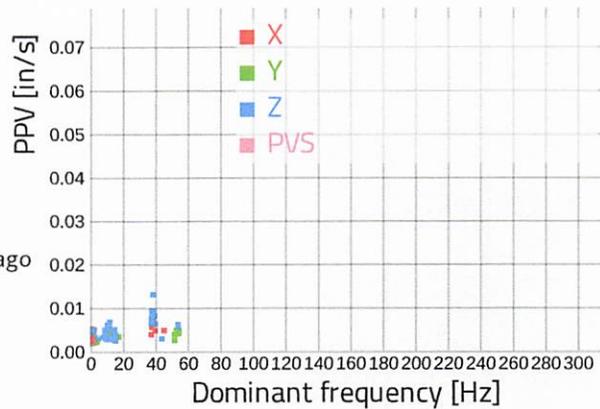


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



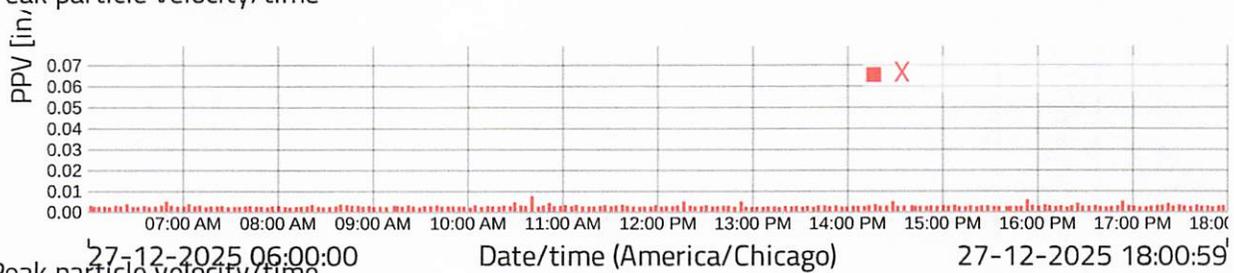
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 PPV flat line threshold 0.5 in/s  
 Guideline ISEE 250Hz  
 Measuring interval 6 seconds  
 Storage below threshold interval 60 seconds  
 Store values below threshold On  
 Timezone America/Chicago  
 Calculate VDV (Vibration Dose Value) Off  
 Calculate PVS (Peak Vector Sum) Off  
 Calculate PPV (Peak particle velocity) On

Peak particle velocity/frequency

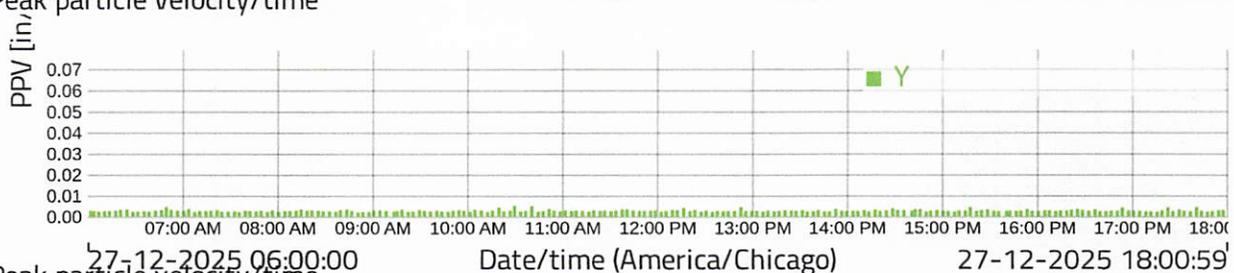


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 27, 2025 10:40:59	x	0.007	38.5
Dec. 27, 2025 10:30:59	y	0.005	1.0
Dec. 27, 2025 10:40:59	z	0.013	38.5

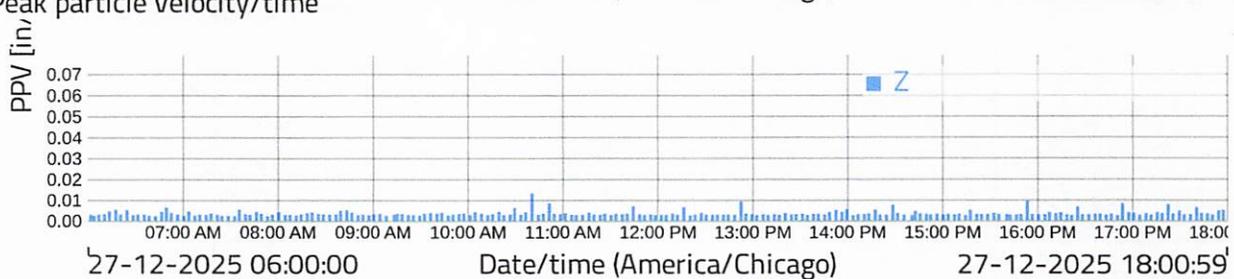
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

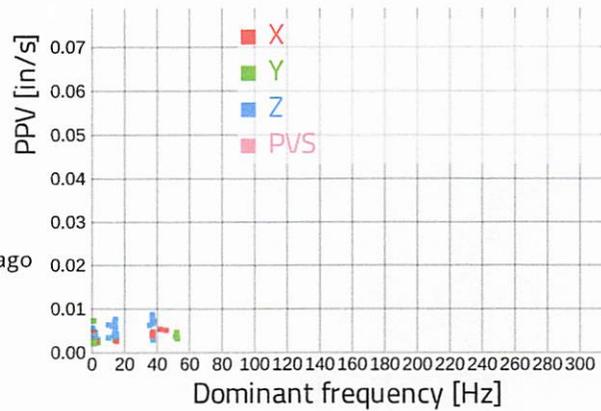


Project: LEOPARDO  
 Measuring point: 516 S BLVD  
 (YUTOQI)



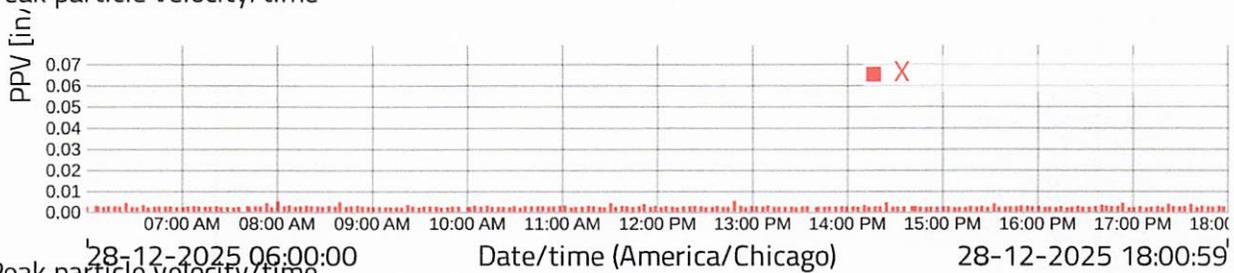
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 PPV flat line threshold 0.5 in/s  
 Guideline ISEE 250Hz  
 Measuring interval 6 seconds  
 Storage below threshold interval 60 seconds  
 Store values below threshold On  
 Timezone America/Chicago  
 Calculate VDV (Vibration Dose Value) Off  
 Calculate PVS (Peak Vector Sum) Off  
 Calculate PPV (Peak particle velocity) On

Peak particle velocity/frequency

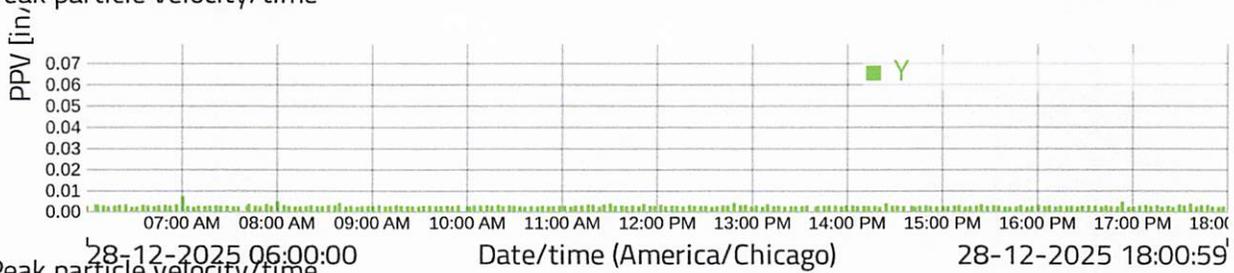


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 28, 2025 12:51:59	x	0.005	42.5
Dec. 28, 2025 07:01:59	y	0.007	1.5
Dec. 28, 2025 07:53:59	z	0.009	37.5

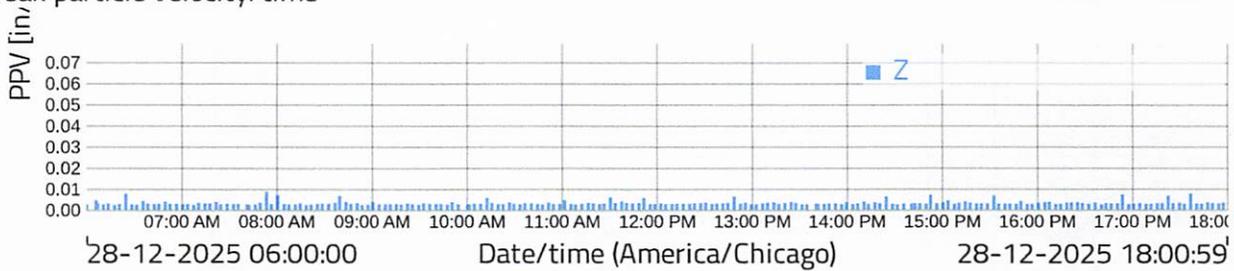
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

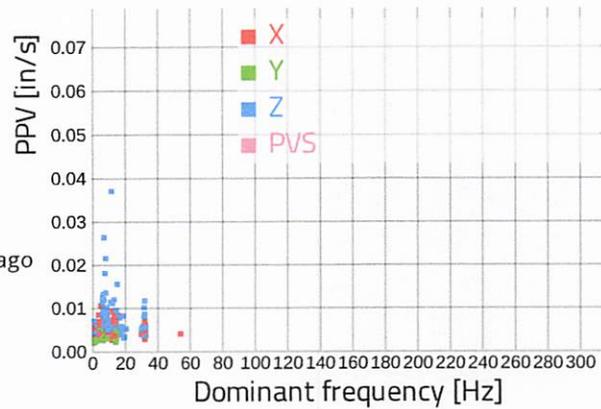


Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



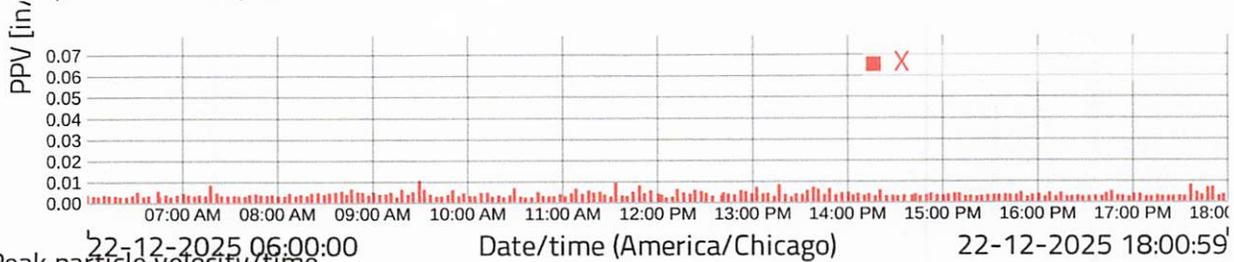
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Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

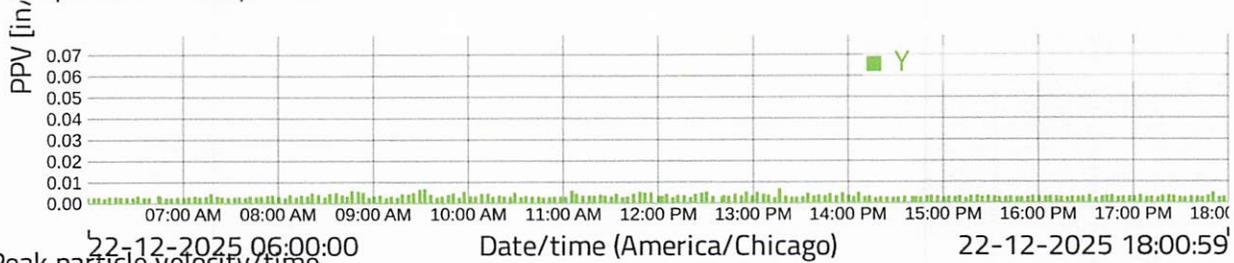


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 22, 2025 09:30:59	x	0.010	5.5
Dec. 22, 2025 13:18:59	y	0.007	4.0
Dec. 22, 2025 13:43:53	z	0.037	12.0

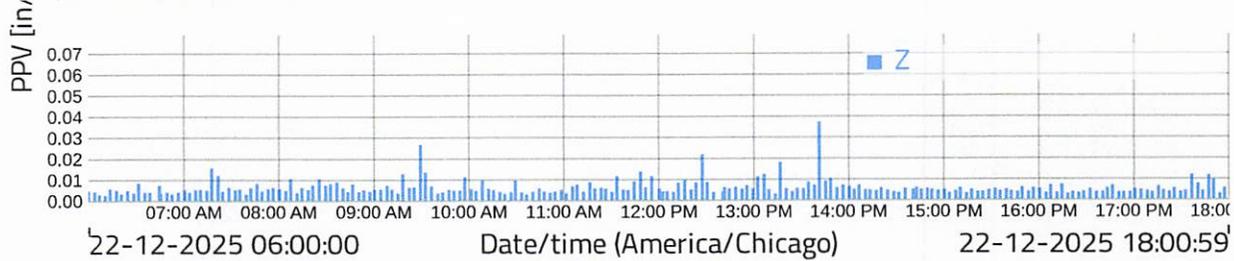
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

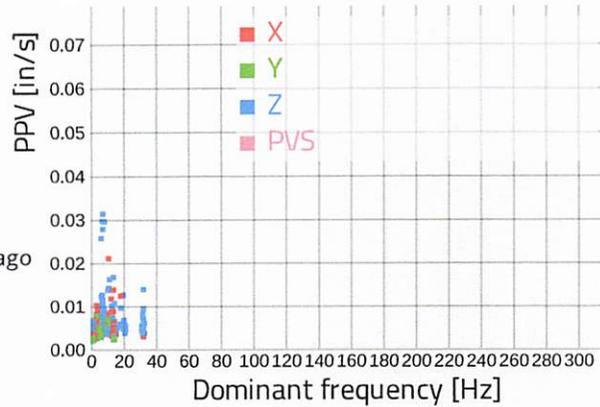


Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



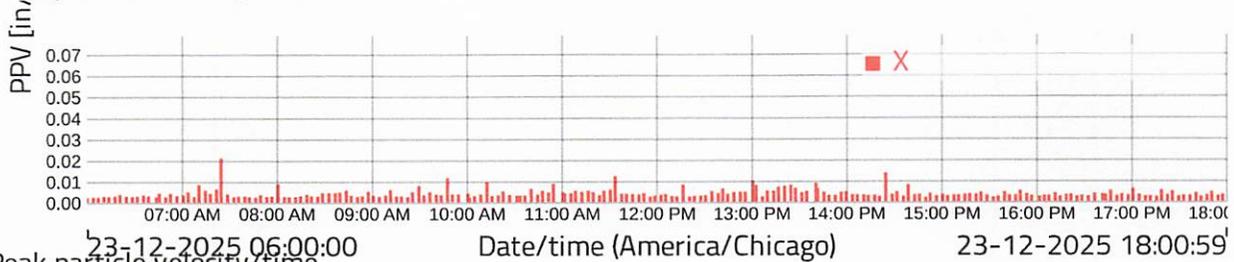
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Guideline	ISEE 250Hz
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Store values below threshold	On
Timezone	America/Chicago
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Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

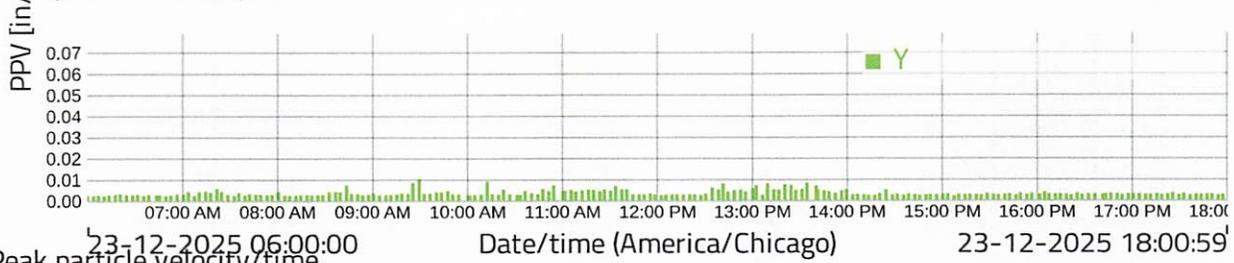


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 23, 2025 07:26:23	x	0.021	11.0
Dec. 23, 2025 09:31:59	y	0.010	4.5
Dec. 23, 2025 07:24:29	z	0.031	7.5

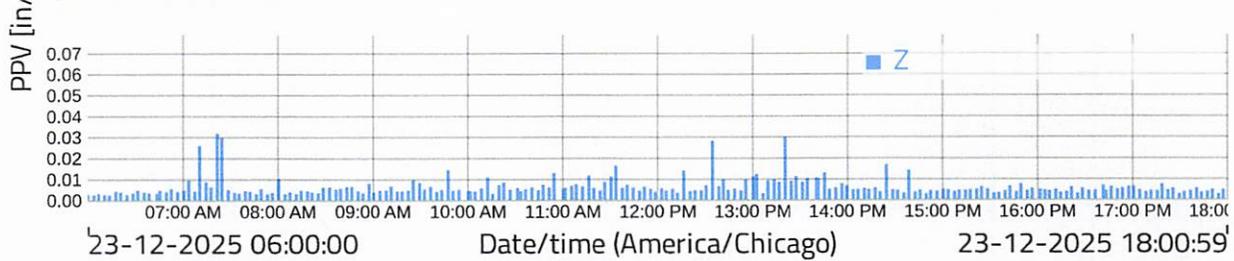
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

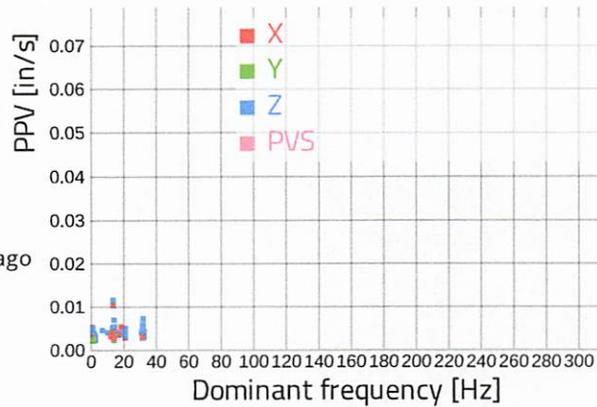


Project: LEOPARDO  
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 (SAPUGU)



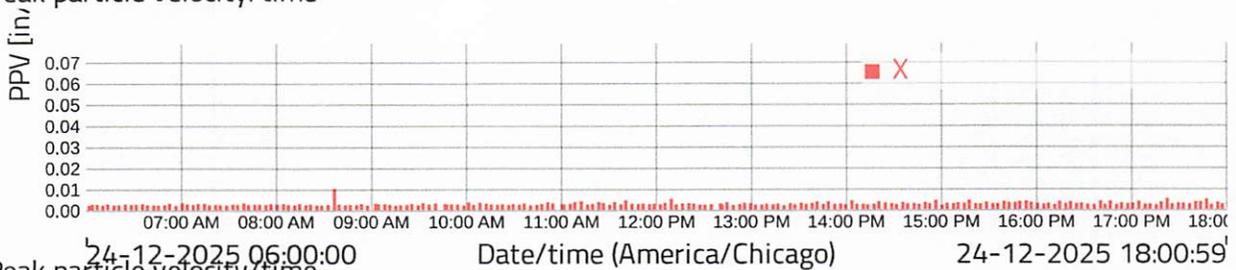
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Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
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Peak particle velocity/frequency

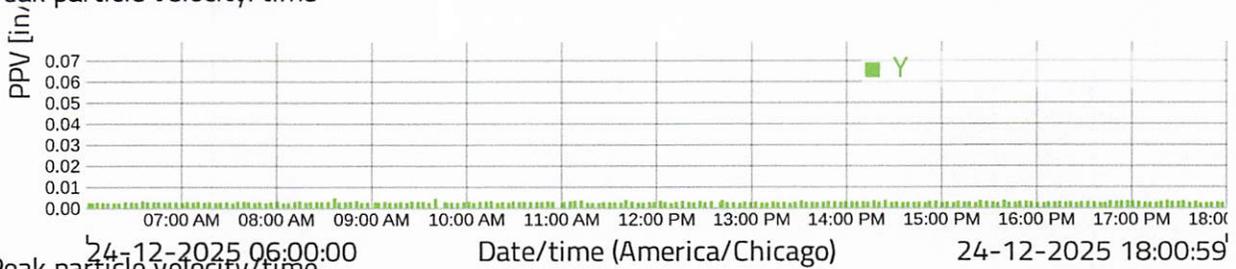


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 24, 2025 08:37:59	x	0.010	14.0
Dec. 24, 2025 08:37:59	y	0.004	14.5
Dec. 24, 2025 08:37:59	z	0.011	14.0

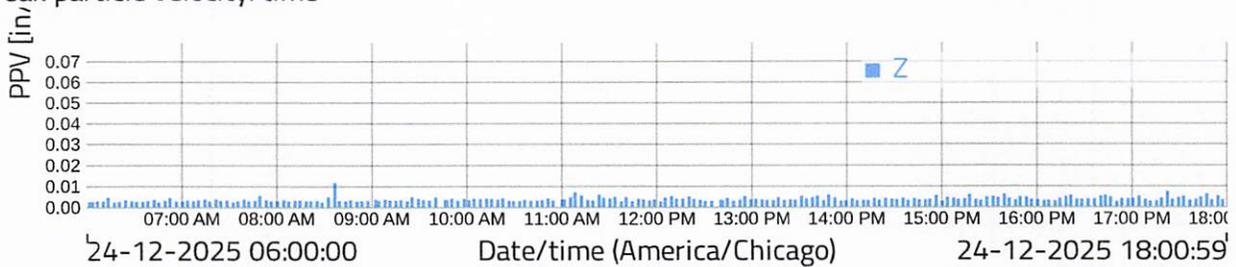
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

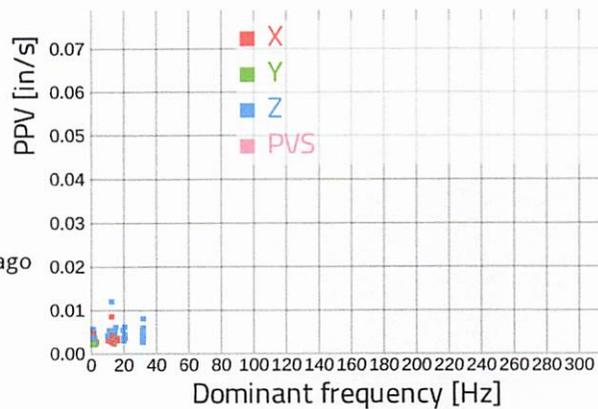


Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



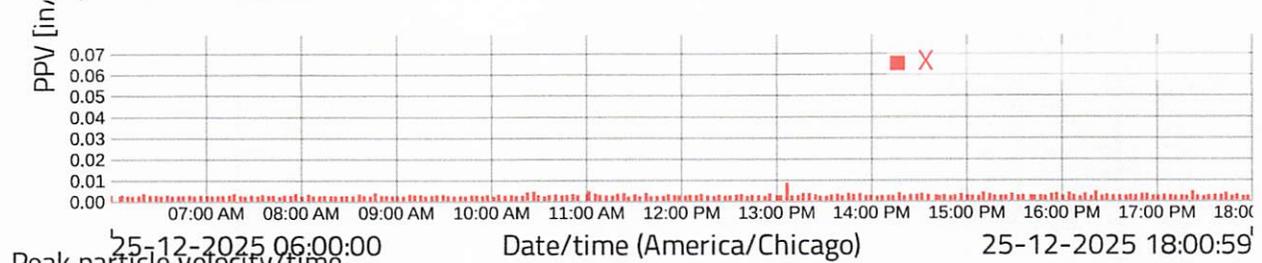
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Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

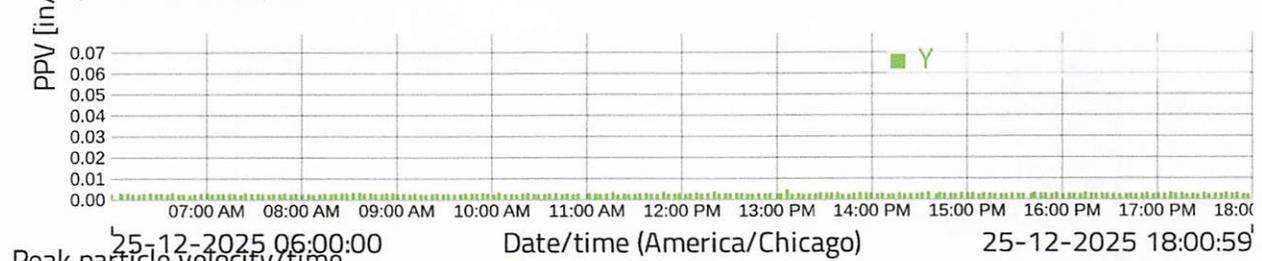


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 25, 2025 13:07:59	x	0.008	13.0
Dec. 25, 2025 13:07:59	y	0.004	14.5
Dec. 25, 2025 13:07:59	z	0.012	13.0

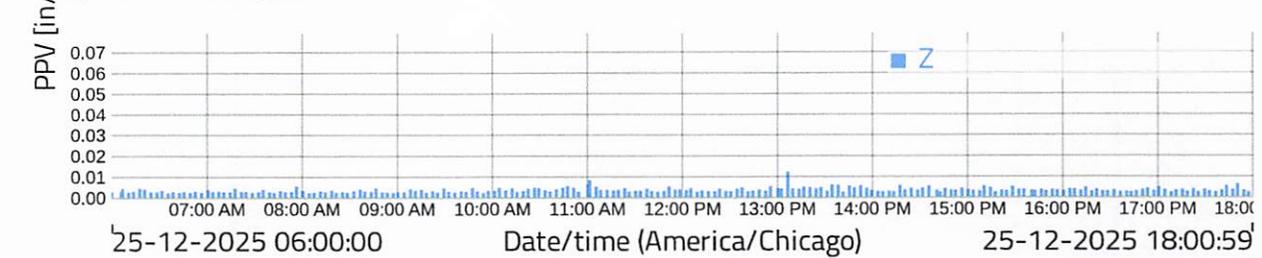
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

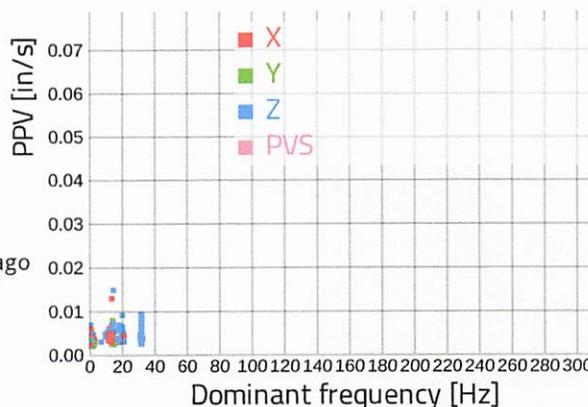


Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



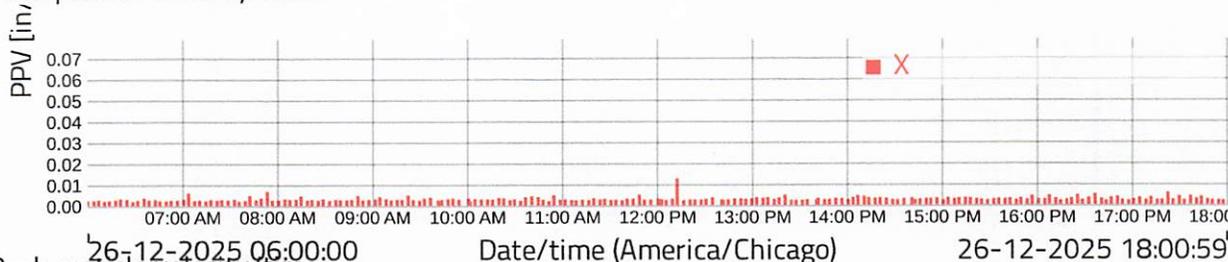
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

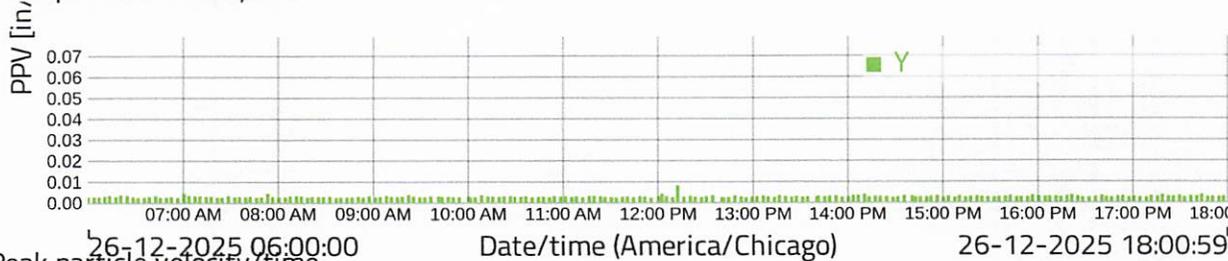


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 26, 2025 12:13:59	x	0.013	14.0
Dec. 26, 2025 12:13:59	y	0.008	14.5
Dec. 26, 2025 12:13:59	z	0.015	15.0

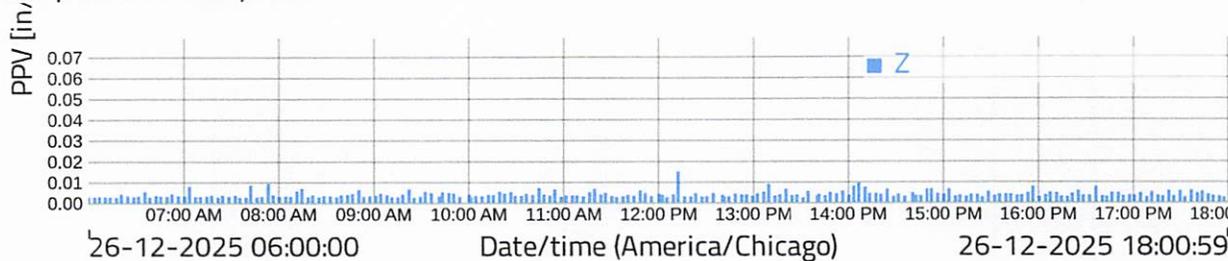
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time

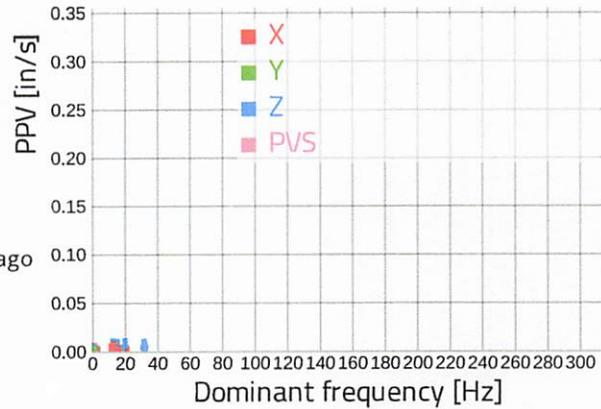


Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



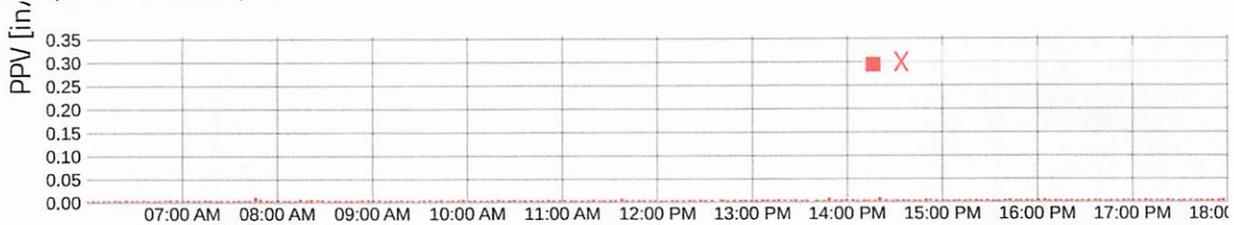
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency



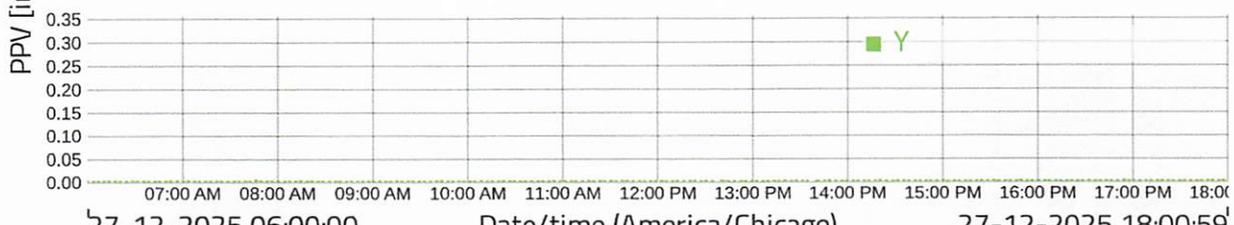
Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 27, 2025 07:47:59	x	0.009	14.0
Dec. 27, 2025 07:47:59	y	0.005	14.0
Dec. 27, 2025 07:47:59	z	0.011	20.5

Peak particle velocity/time



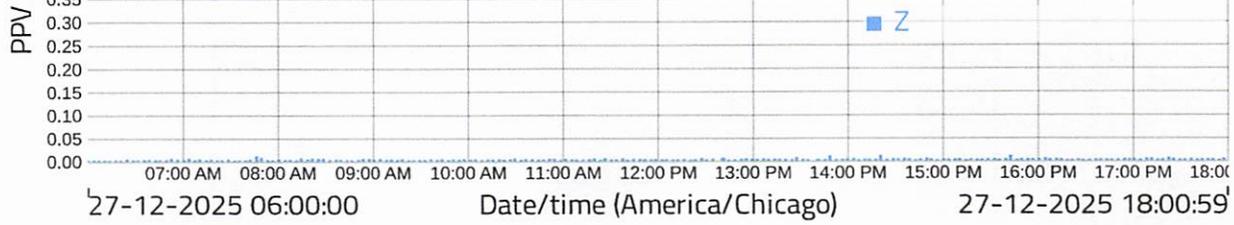
27-12-2025 06:00:00 Date/time (America/Chicago) 27-12-2025 18:00:59

Peak particle velocity/time



27-12-2025 06:00:00 Date/time (America/Chicago) 27-12-2025 18:00:59

Peak particle velocity/time



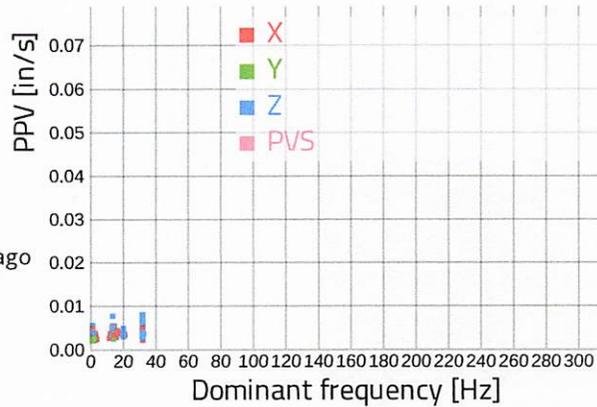
27-12-2025 06:00:00 Date/time (America/Chicago) 27-12-2025 18:00:59

Project: LEOPARDO  
 Measuring point: 507 S BLVD  
 (SAPUGU)



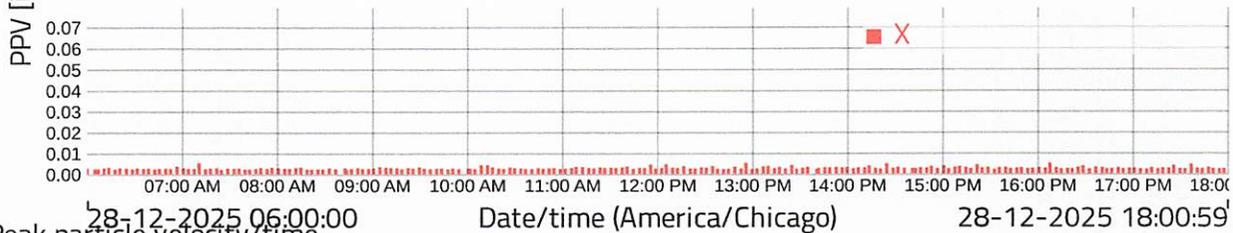
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago
Calculate VDV (Vibration Dose Value)	Off
Calculate PVS (Peak Vector Sum)	Off
Calculate PPV (Peak particle velocity)	On

Peak particle velocity/frequency

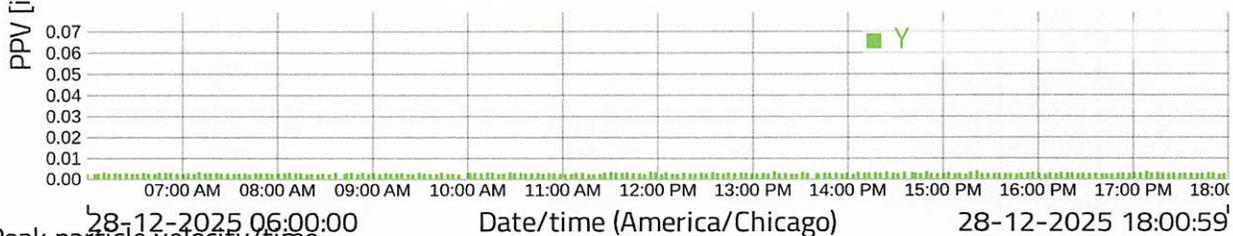


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Dec. 28, 2025 07:13:59	x	0.005	14.0
Dec. 28, 2025 15:23:59	y	0.004	14.5
Dec. 28, 2025 16:07:59	z	0.008	32.5

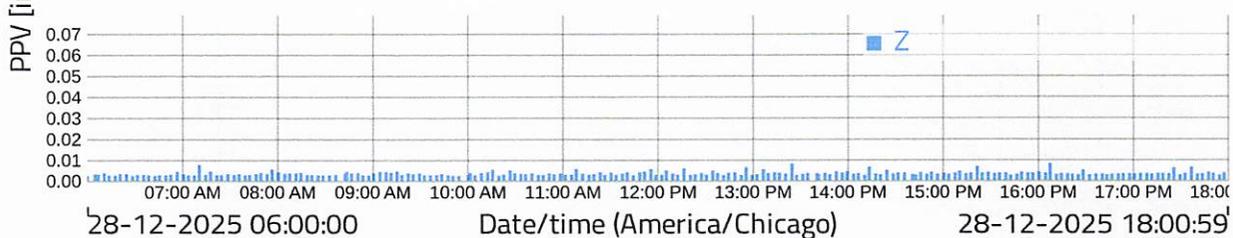
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time



**SN:** 3806 v3.22  
**Date:** 12/22/2025 **Time:** 06:01:00  
**Event:** 148  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

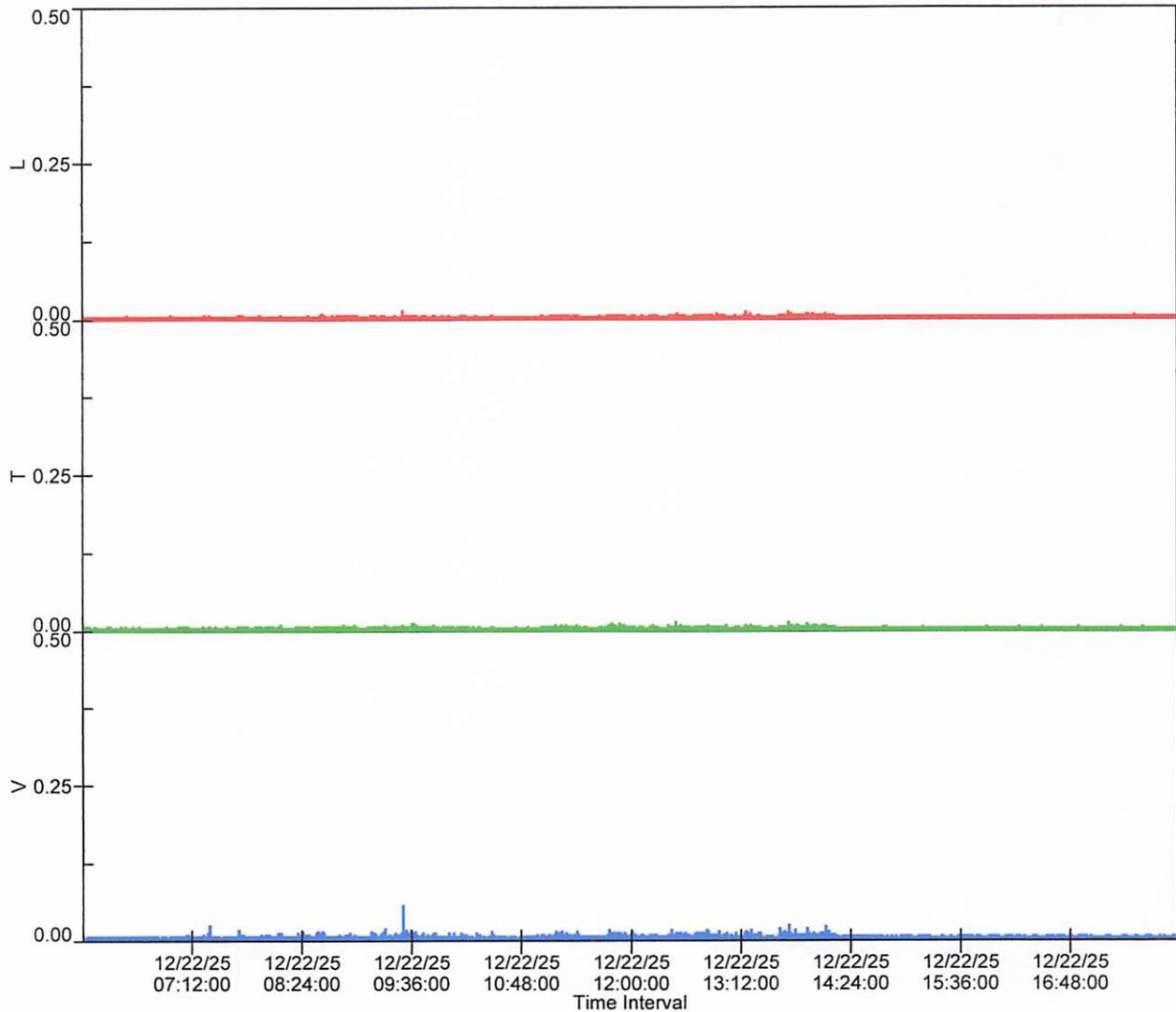
	L	T	V
<b>PPV (in/s)</b>	0.015	0.015	0.058
<b>FREQ (Hz)</b>	6.9	10.4	9.6
<b>Peak Air Pressure:</b>	79 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 148

Record Max PPV: 0.058 in/s Record Max DB: 79 db



**SN:** 3806 v3.22  
**Date:** 12/23/2025 **Time:** 06:01:00  
**Event:** 149  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

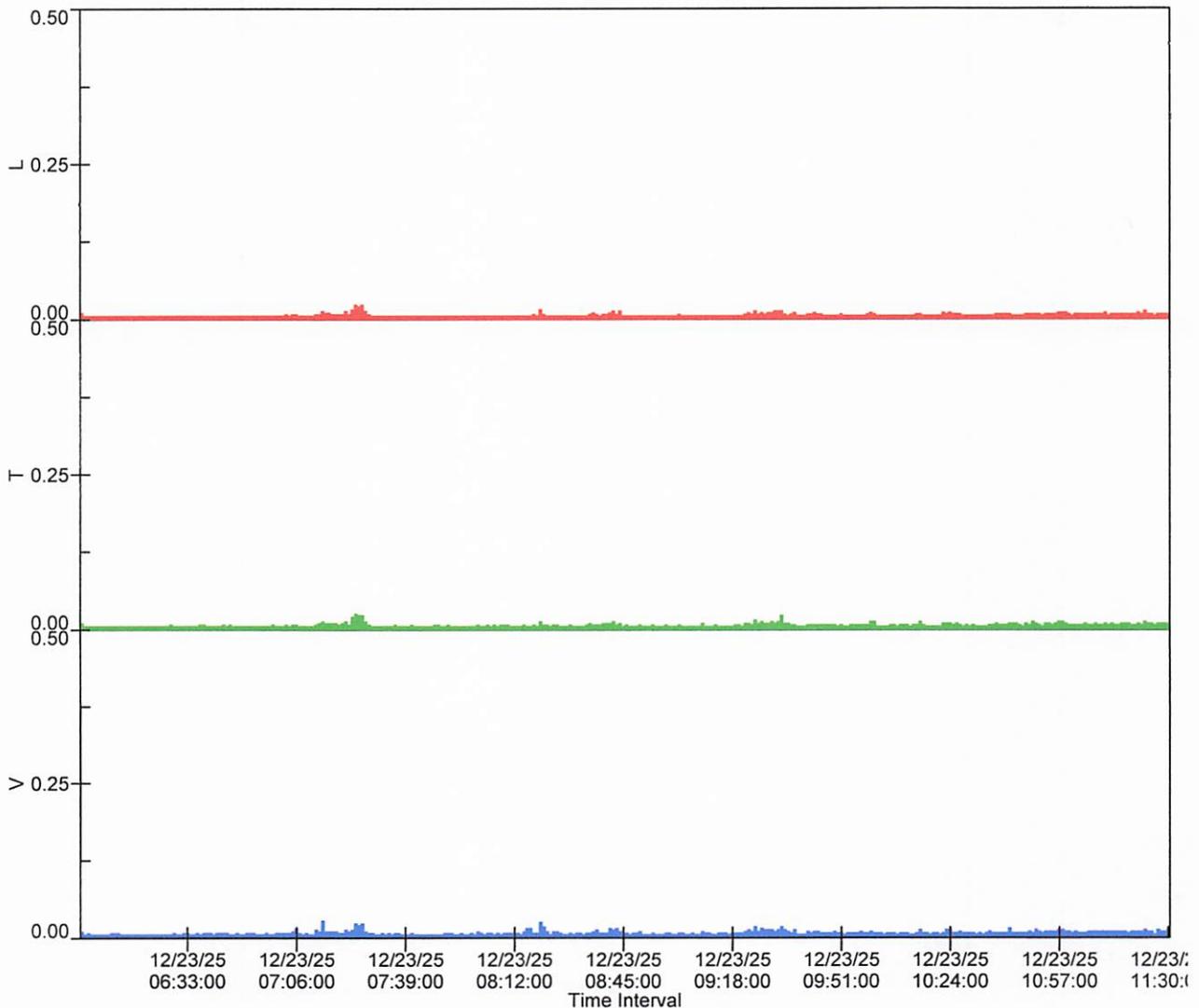
	L	T	V
<b>PPV (in/s)</b>	0.023	0.025	0.028
<b>FREQ (Hz)</b>	10.4	7.6	7.1
<b>Peak Air Pressure:</b>	98 db		
<b>Recording Time:</b>	330 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 149

Record Max PPV: 0.028 in/s Record Max DB: 98 db



**SN:** 3806 v3.22  
**Date:** 12/22/2025 **Time:** 06:01:00  
**Event:** 148  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

	L	T	V
<b>PPV (in/s)</b>	0.015	0.015	0.058
<b>FREQ (Hz)</b>	6.9	10.4	9.6
<b>Peak Air Pressure:</b>	79 db		

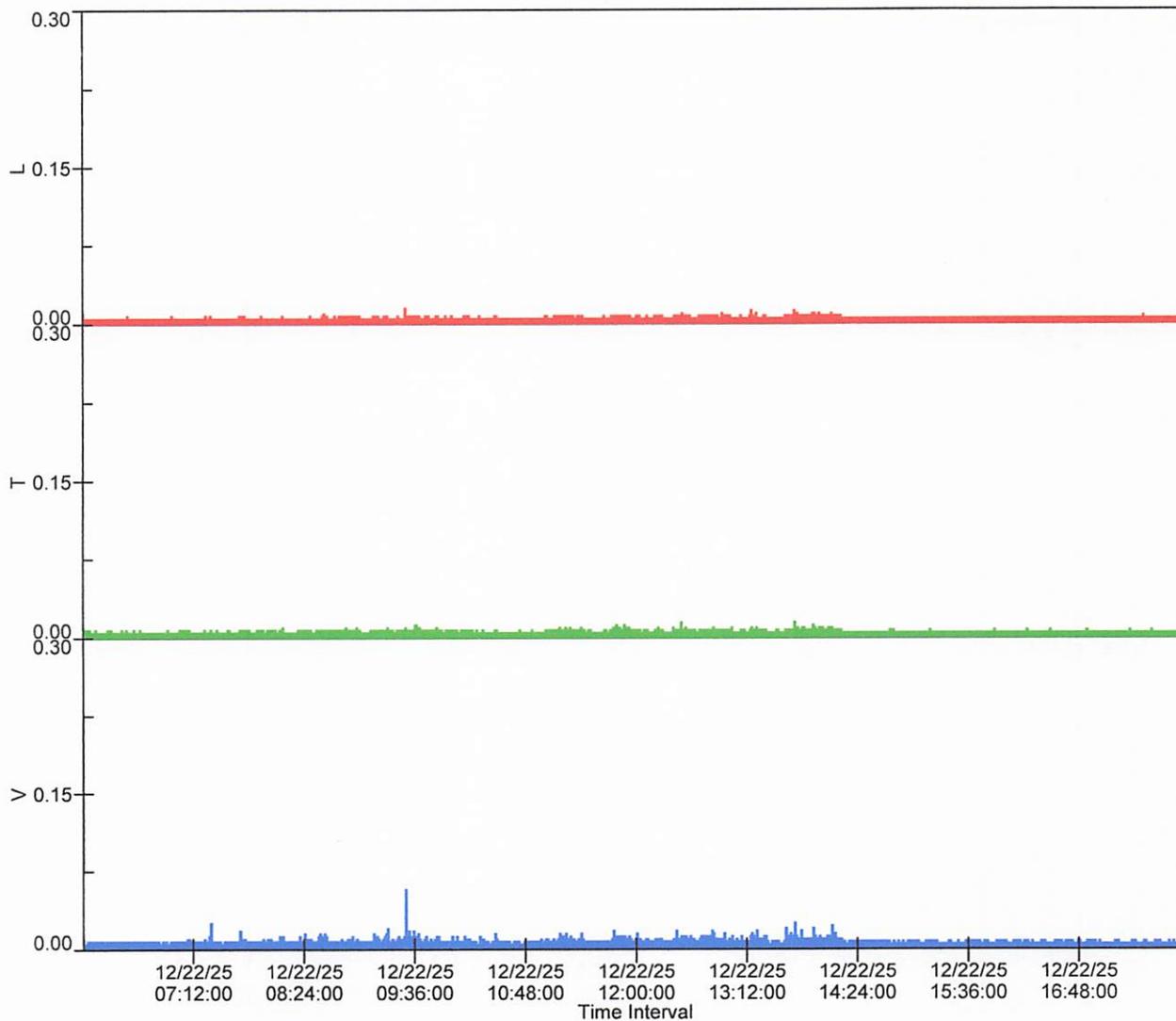
**Recording Time:** 718 minutes  
**Sample Size:** 1440  
**Interval Size:** 60 seconds

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 148

Record Max PPV: 0.058 in/s Record Max DB: 79 db



**SN:** 3806 v3.22  
**Date:** 12/23/2025 **Time:** 06:01:00  
**Event:** 149  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

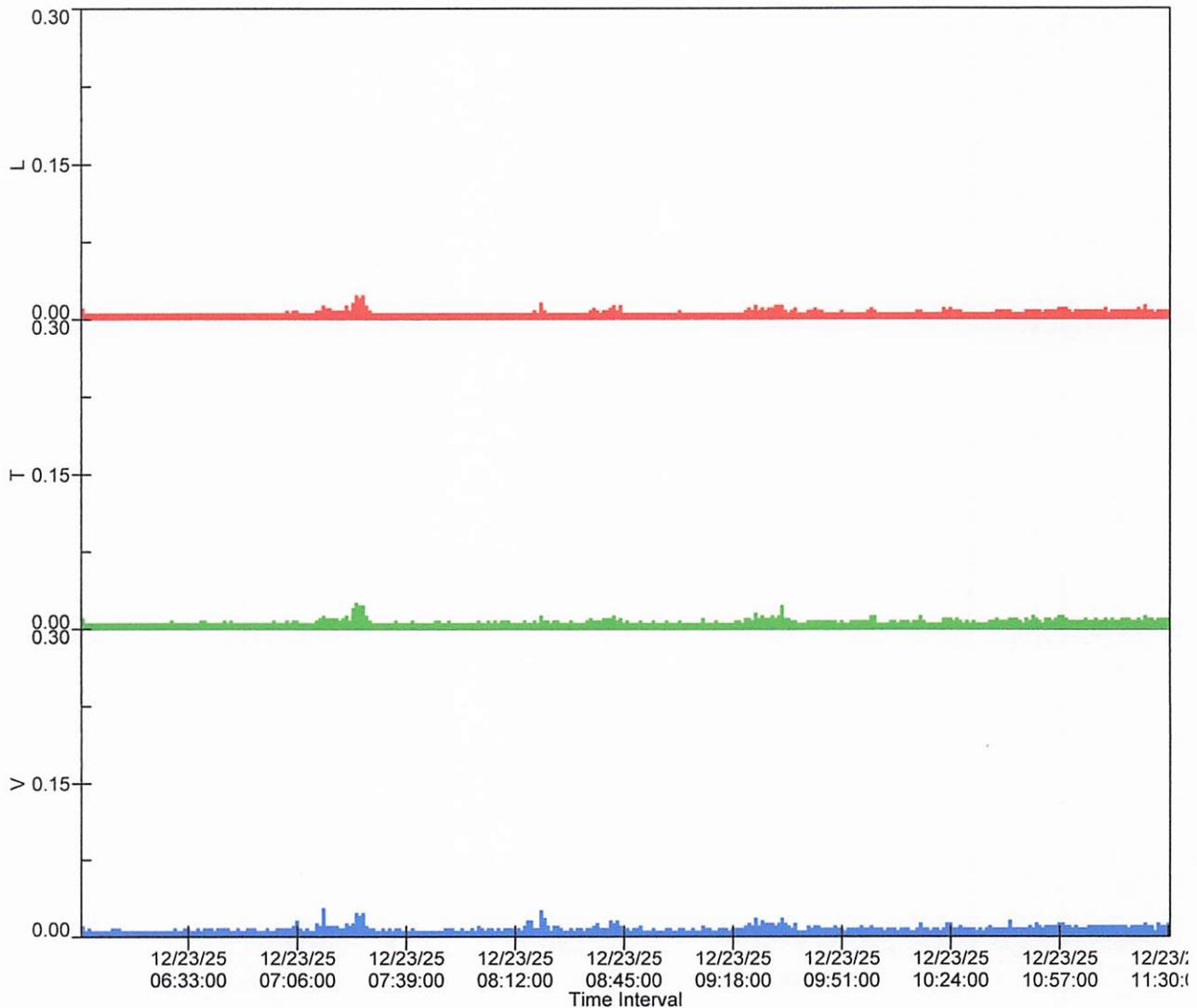
	L	T	V
<b>PPV (in/s)</b>	0.023	0.025	0.028
<b>FREQ (Hz)</b>	10.4	7.6	7.1
<b>Peak Air Pressure:</b>	98 db		
<b>Recording Time:</b>	330 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 149

Record Max PPV: 0.028 in/s Record Max DB: 98 db



**SN:** 3806 v3.22  
**Date:** 12/23/2025 **Time:** 11:36:00  
**Event:** 150  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

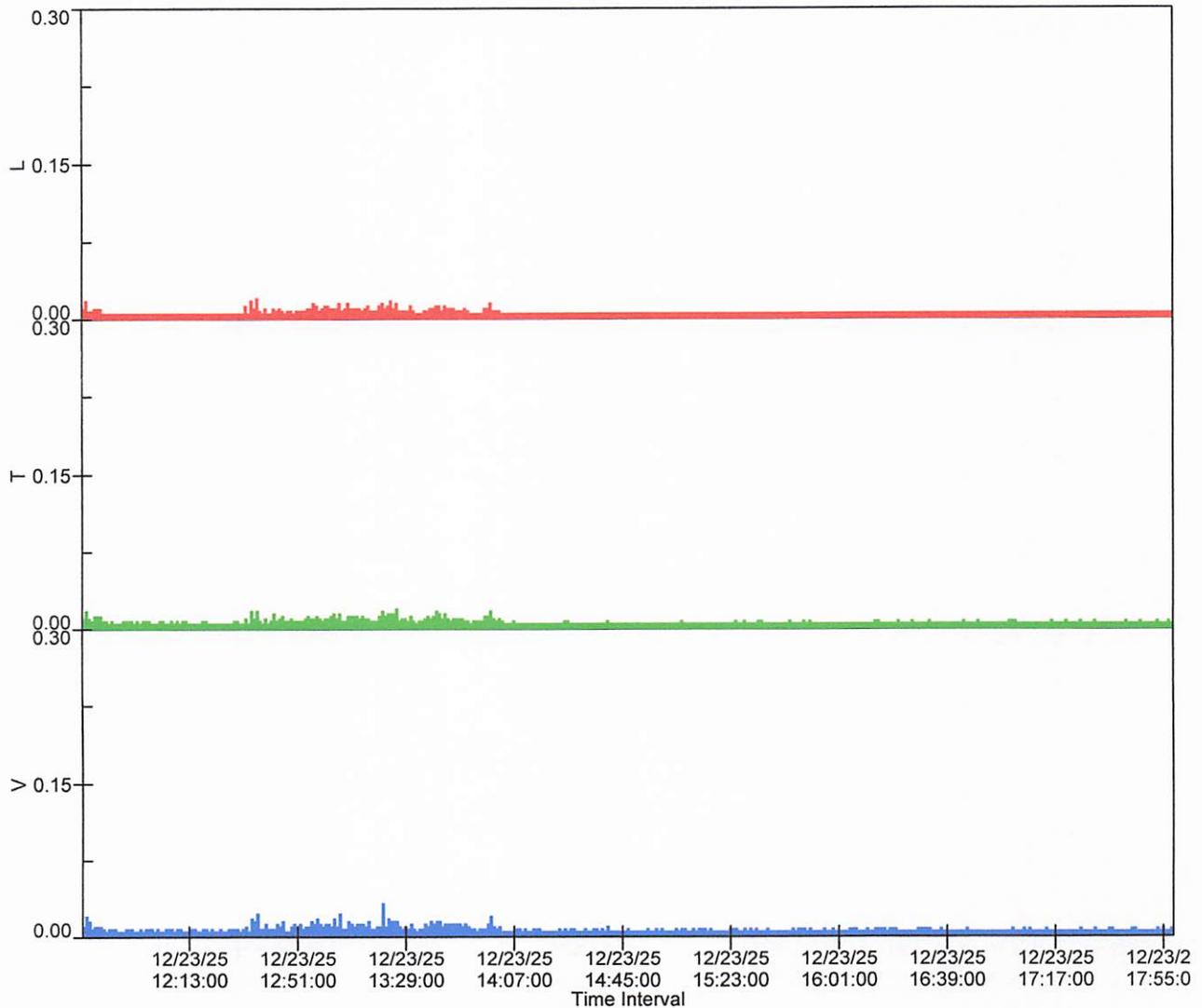
	L	T	V
<b>PPV (in/s)</b>	0.020	0.020	0.033
<b>FREQ (Hz)</b>	11.6	5.6	7.1
<b>Peak Air Pressure:</b>	81 db		
<b>Recording Time:</b>	383 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 150

Record Max PPV: 0.033 in/s Record Max DB: 81 db



**SN:** 3806 v3.22  
**Date:** 12/24/2025 **Time:** 06:01:00  
**Event:** 151  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

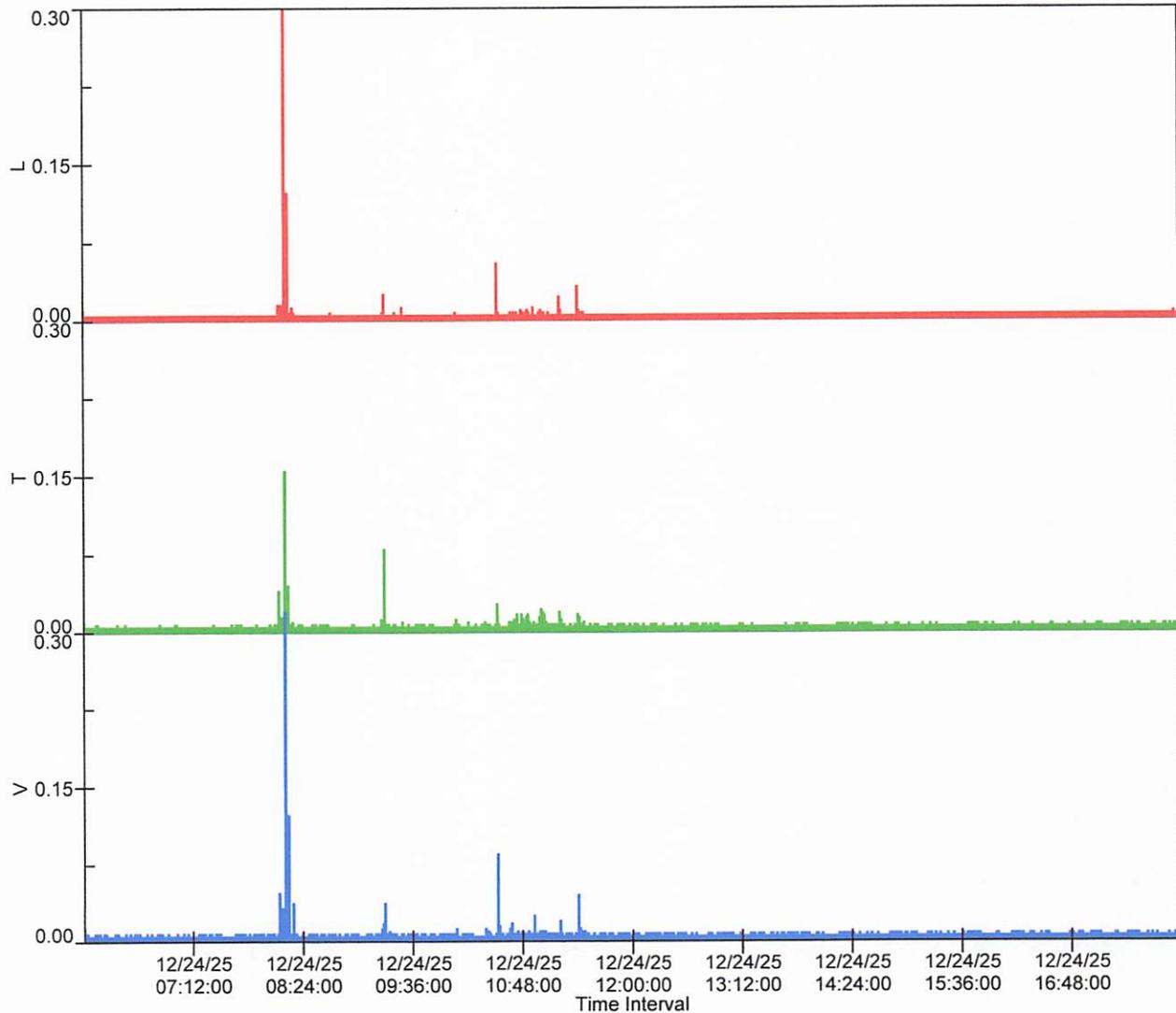
	L	T	V
<b>PPV (in/s)</b>	0.310	0.155	0.320
<b>FREQ (Hz)</b>	10.6	12.5	9.6
<b>Peak Air Pressure:</b>	98 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 151

Record Max PPV: 0.320 in/s Record Max DB: 98 db



**SN:** 3806 v3.22  
**Date:** 12/25/2025 **Time:** 06:01:00  
**Event:** 152  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

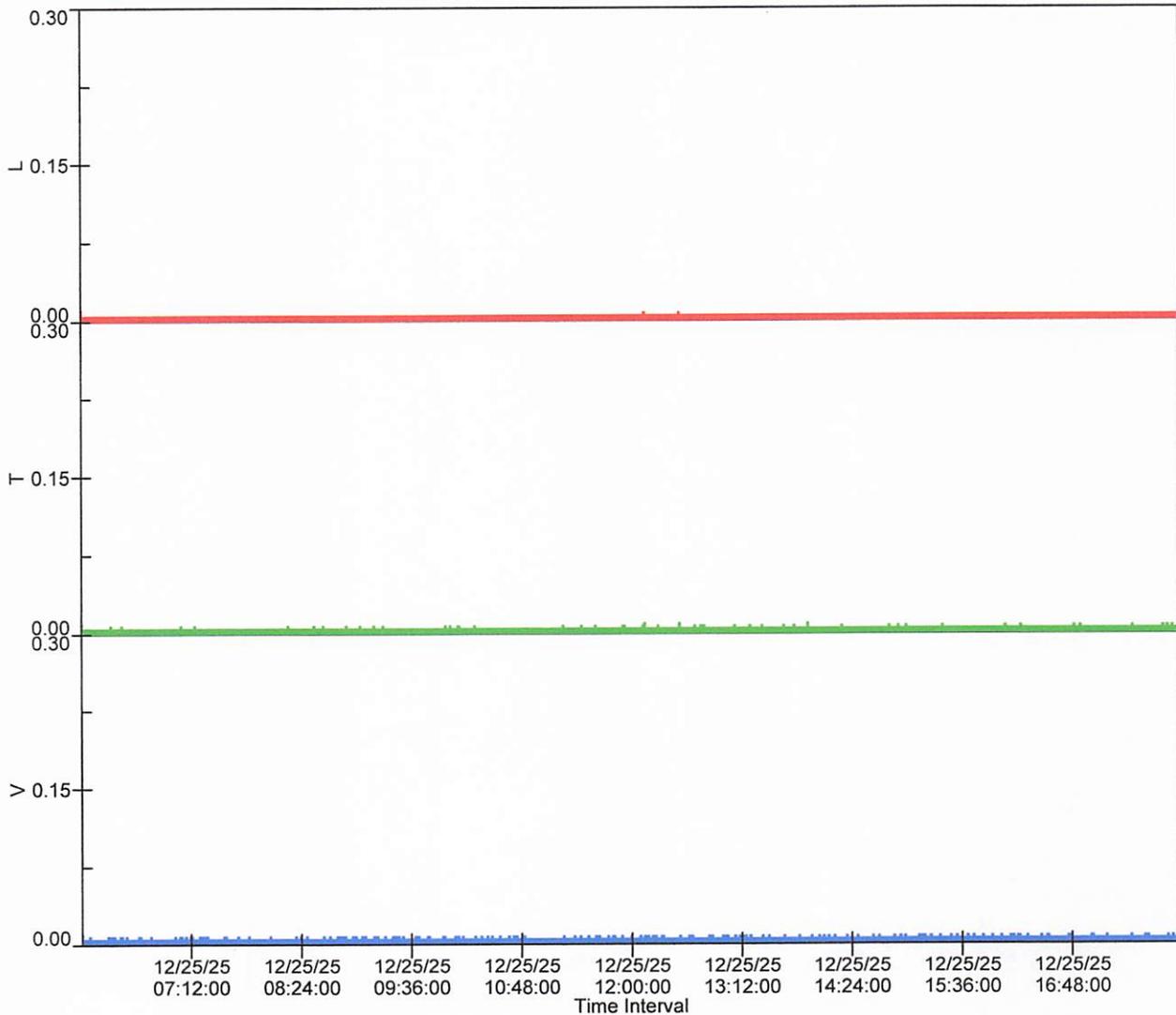
	L	T	V
<b>PPV (in/s)</b>	0.010	0.010	0.010
<b>FREQ (Hz)</b>	.3	2.2	.3
<b>Peak Air Pressure:</b>	95 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 152

Record Max PPV: 0.010 in/s Record Max DB: 95 db



**SN:** 3806 v3.22  
**Date:** 12/26/2025 **Time:** 06:01:00  
**Event:** 153  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

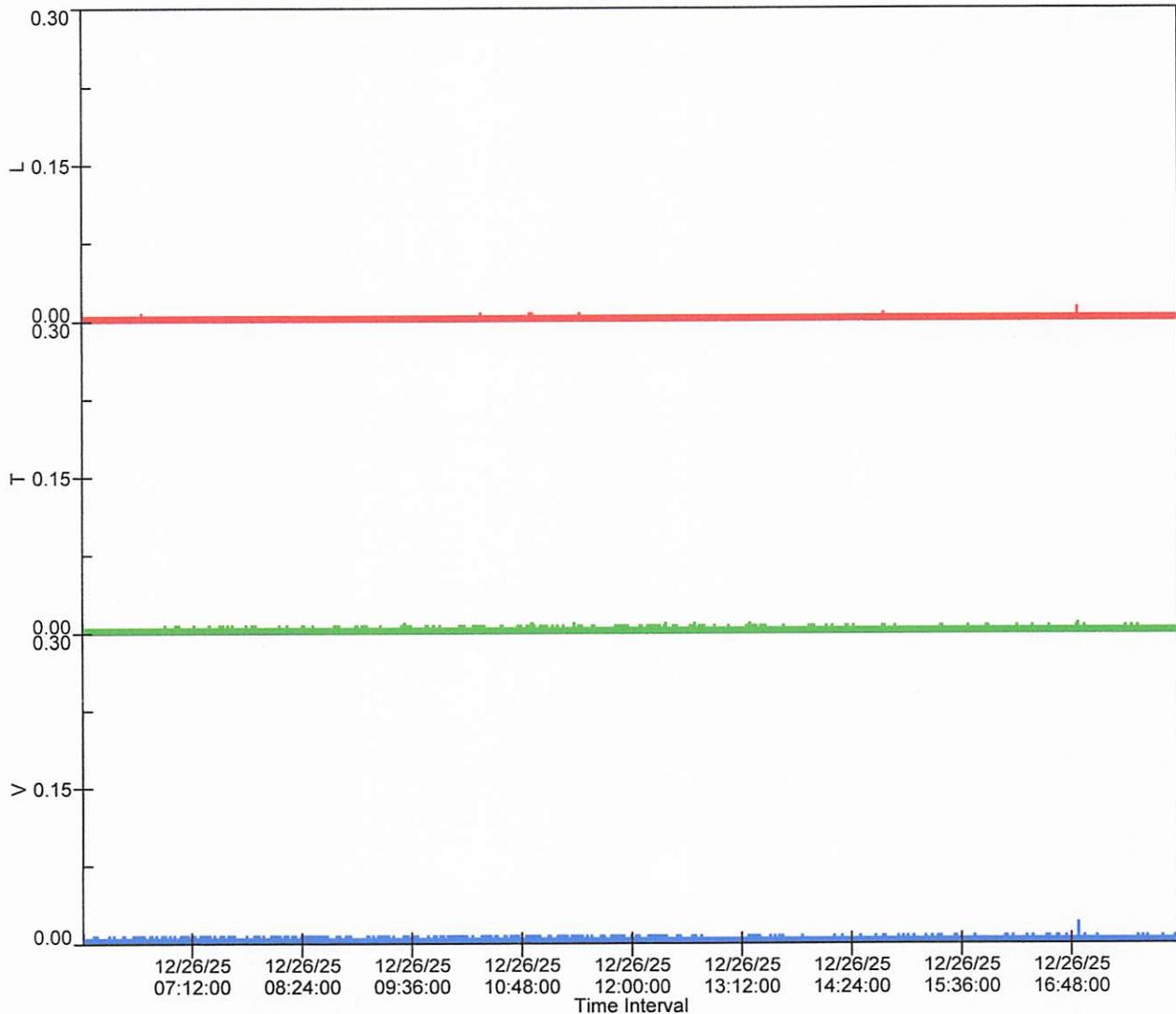
	L	T	V
<b>PPV (in/s)</b>	0.013	0.010	0.020
<b>FREQ (Hz)</b>	38.5	3.8	38.5
<b>Peak Air Pressure:</b>	79 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 153

Record Max PPV: 0.020 in/s Record Max DB: 79 db



**SN:** 3806 v3.22  
**Date:** 12/27/2025 **Time:** 06:01:00  
**Event:** 154  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

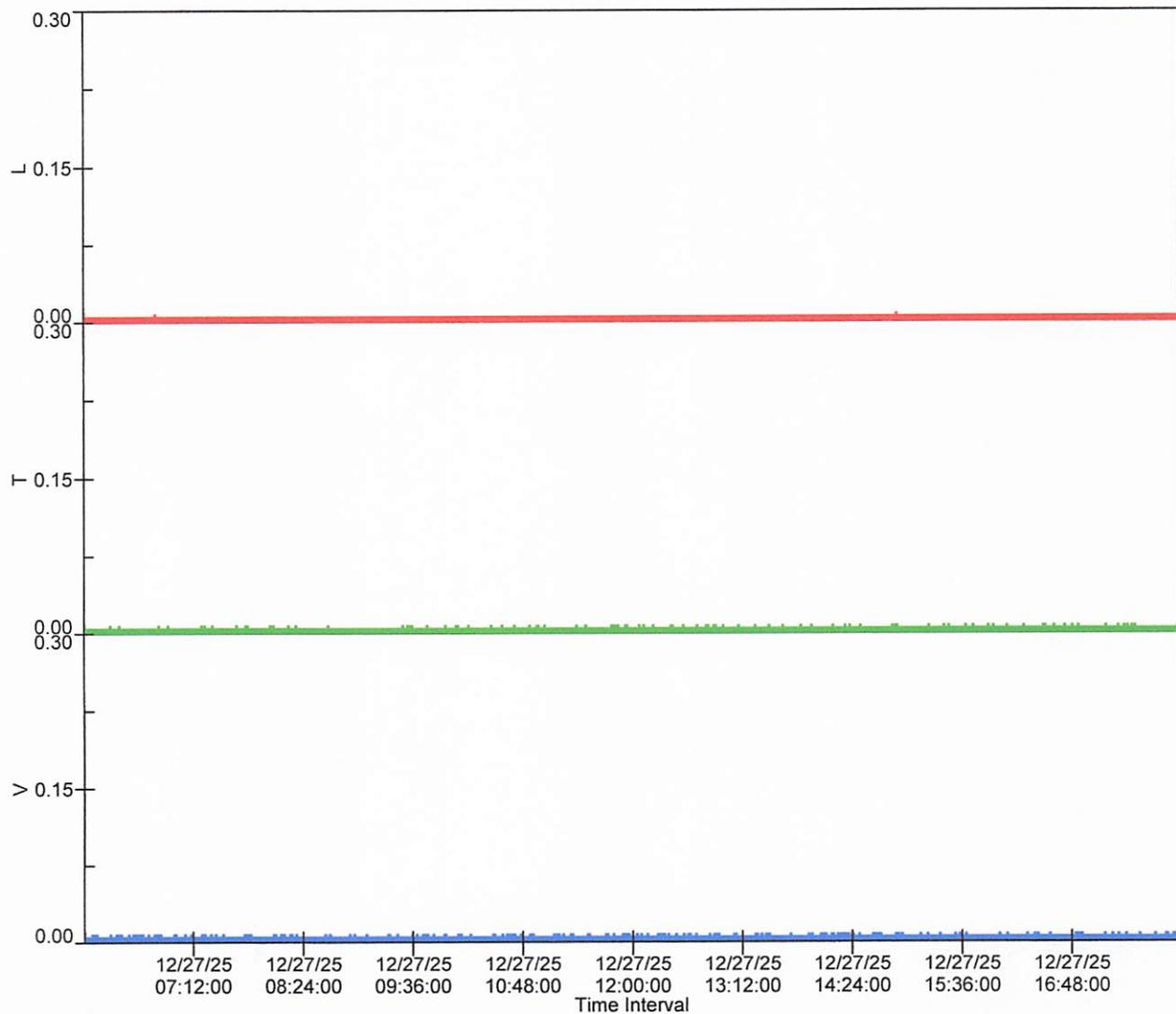
	L	T	V
<b>PPV (in/s)</b>	0.010	0.010	0.010
<b>FREQ (Hz)</b>	.3	12.8	.3
<b>Peak Air Pressure:</b>	79 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 154

Record Max PPV: 0.010 in/s Record Max DB: 79 db



**SN:** 3806 v3.22  
**Date:** 12/28/2025 **Time:** 06:01:00  
**Event:** 155  
**Client:** LEOPARDO  
**Operation:** CONSTRUCTION  
**Location:** 504 S BLVD  
**Distance:** 15.  
**Operator:** CTI INC  
**Comment:** 424 S BLVD

**Continuous Monitor Recording  
Summary Data**

	L	T	V
<b>PPV (in/s)</b>	0.010	0.010	0.010
<b>FREQ (Hz)</b>	.3	2.4	.3
<b>Peak Air Pressure:</b>	79 db		
<b>Recording Time:</b>	718 minutes		
<b>Sample Size:</b>	1440		
<b>Interval Size:</b>	60 seconds		

**Additional Info:**

**Shaketable Calibrated:** 05/21/2025  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

SN: 3806 Event: 155

Record Max PPV: 0.010 in/s Record Max DB: 79 db

