504-514 SOUTH BOULEVARD PROJECT
EVANSTON, IL

VIBRATION MONITORING REPORT-2

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

October 27, 2025

Cti

cti
Construction
Testing &
Instrumentation

GEOTECHNICAL AND
STRUCTURAL
INSTRUMENTATION
847-244-5108

4262 Old Grand Ave
Suite 102
Gurnee, IL 60031

October 27, 2025

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

RE: **Report 2: -** *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 **October 20, 2025, through October 27, 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.

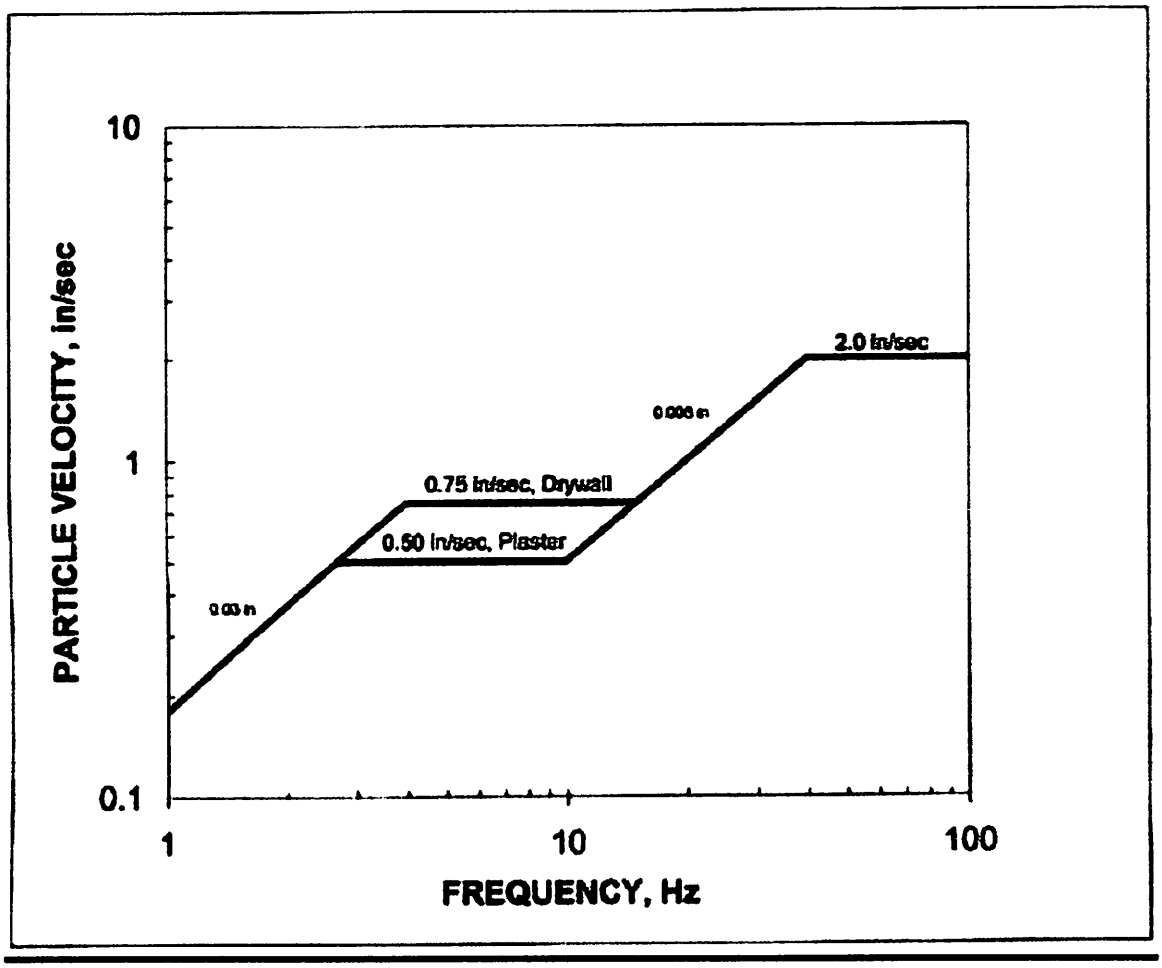
October 22, 2025	**Location #1 – 516 South Blvd**	Unit #YUTOQI	0.091 (in/sec)
October 21, 2025	**Location #2 – 507 South Blvd**	Unit #SAPUGU	0.033 (in/sec)
October 24, 2025	**Location #3 – 424 South Blvd**	Unit #3806	0.130 (in/sec)

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

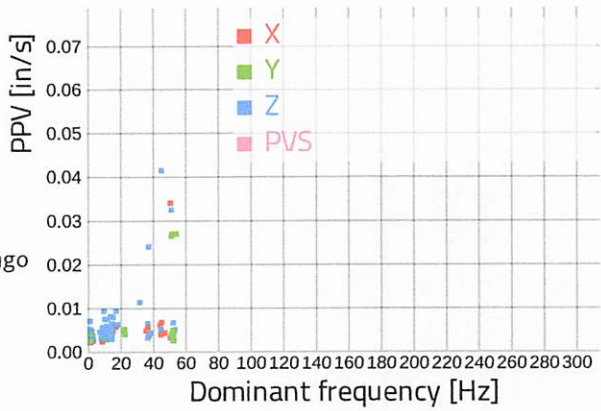
The most influential research on the effects of ground-borne vibrations was conducted by Siskind et al. (1980) of the U.S. Bureau of Mines.1 Based on the results of an extensive experimental study, the authors recommended acceptable vibration levels for residential structures at which there is a sufficiently 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.2 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.

1 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. 2 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)

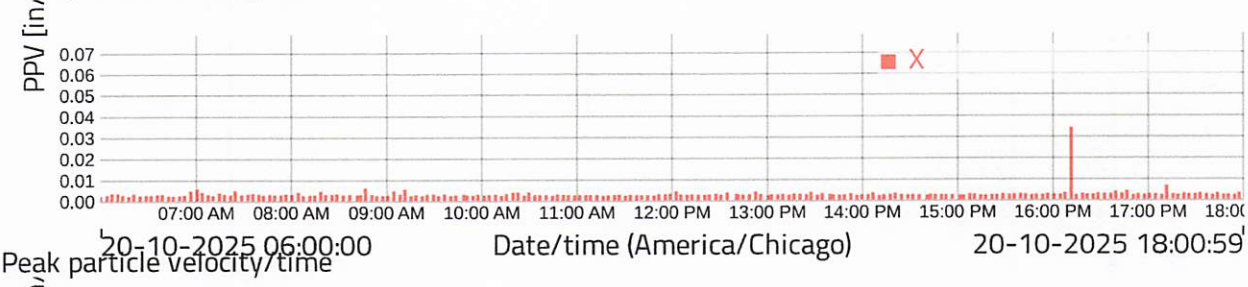
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

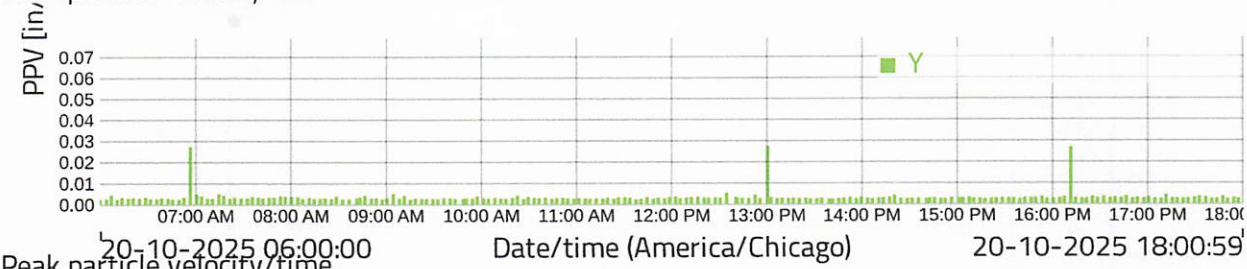


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 20, 2025 16:13:53	x	0.034	51.0
Oct. 20, 2025 06:58:23	y	0.027	52.0
Oct. 20, 2025 06:58:23	z	0.041	45.5

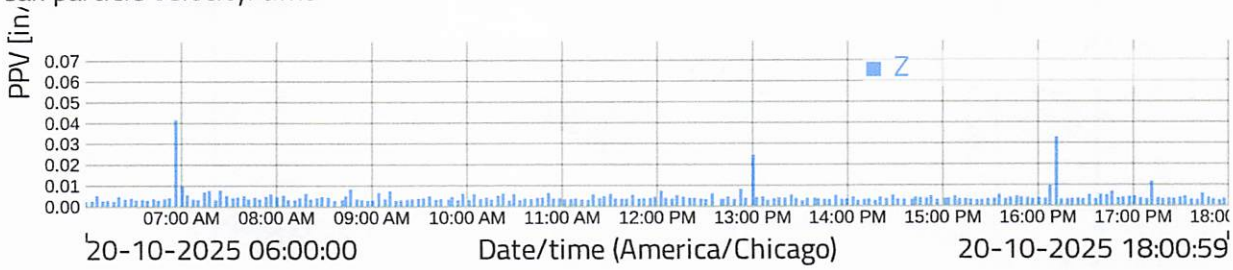
Peak particle velocity/time



Peak particle velocity/time



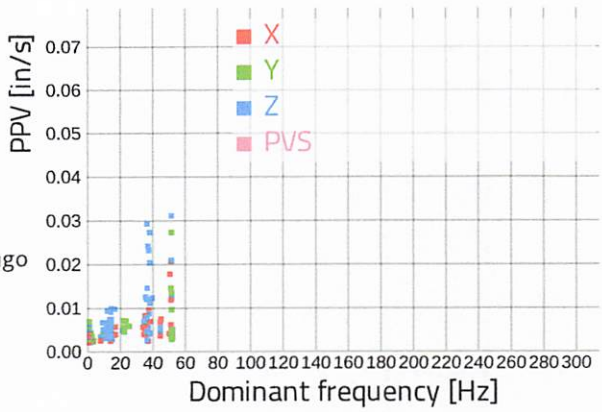
Peak particle velocity/time



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

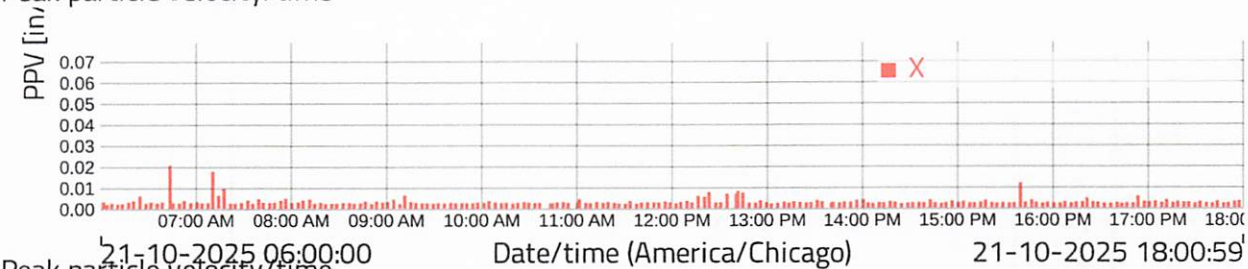
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

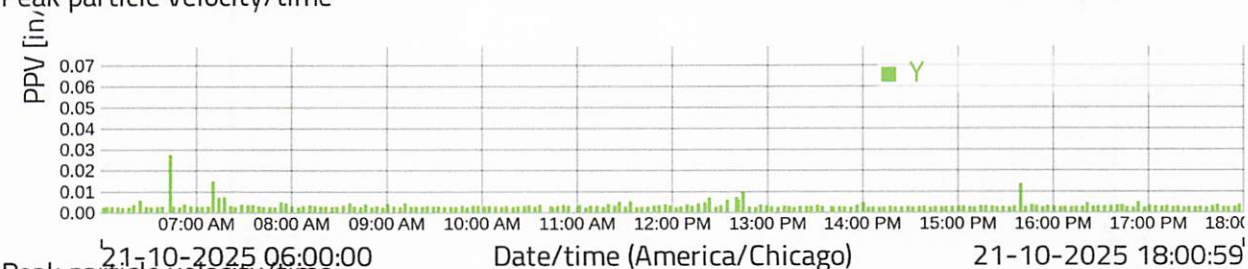


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 21, 2025 06:42:47	x	0.020	51.5
Oct. 21, 2025 06:42:47	y	0.027	52.0
Oct. 21, 2025 06:42:47	z	0.031	52.0

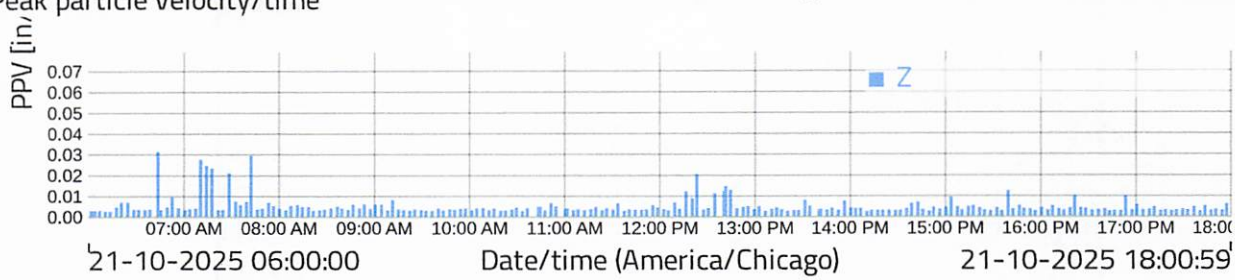
Peak particle velocity/time



Peak particle velocity/time



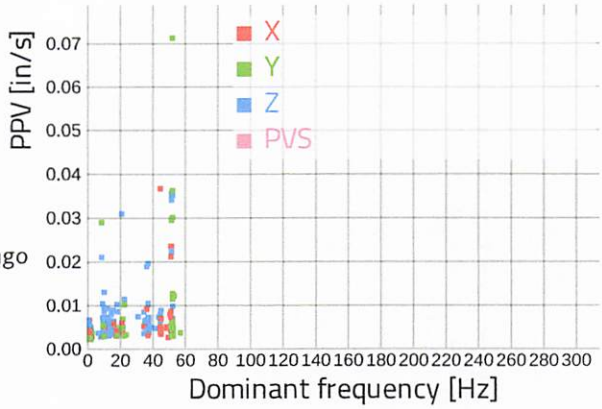
Peak particle velocity/time



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

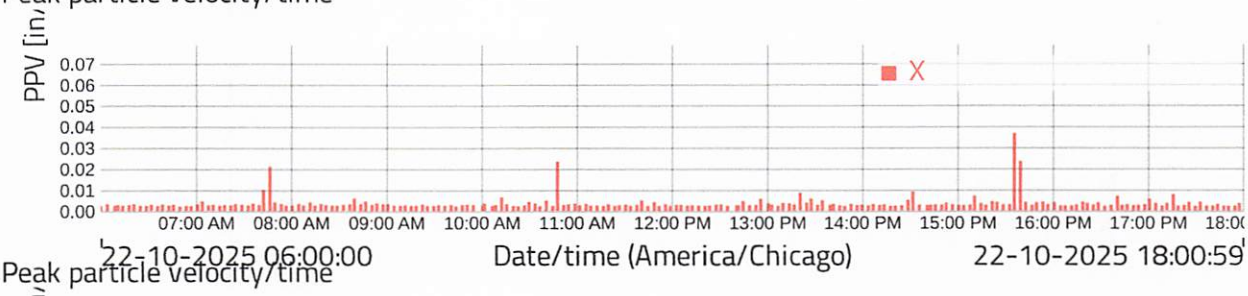
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

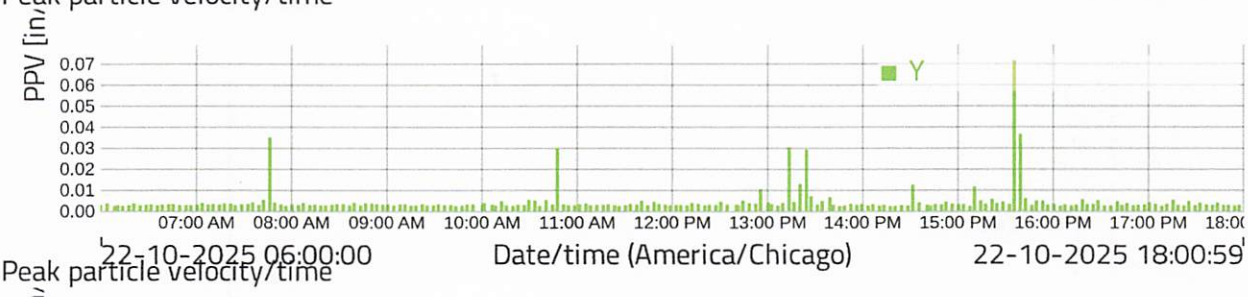


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 22, 2025 15:37:41	x	0.036	45.0
Oct. 22, 2025 15:37:41	y	0.071	52.5
Oct. 22, 2025 15:37:41	z	0.091	52.5

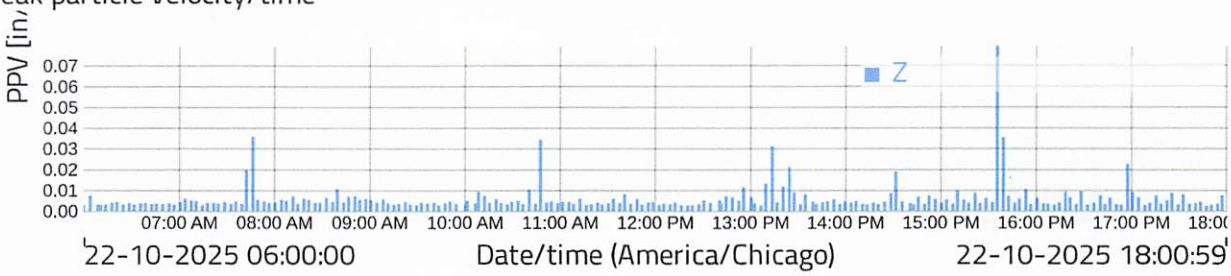
Peak particle velocity/time



Peak particle velocity/time



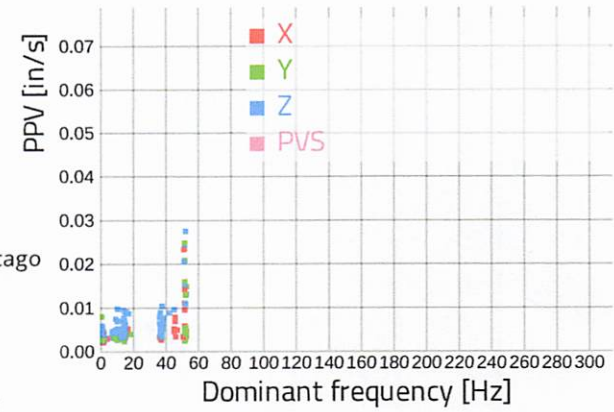
Peak particle velocity/time



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

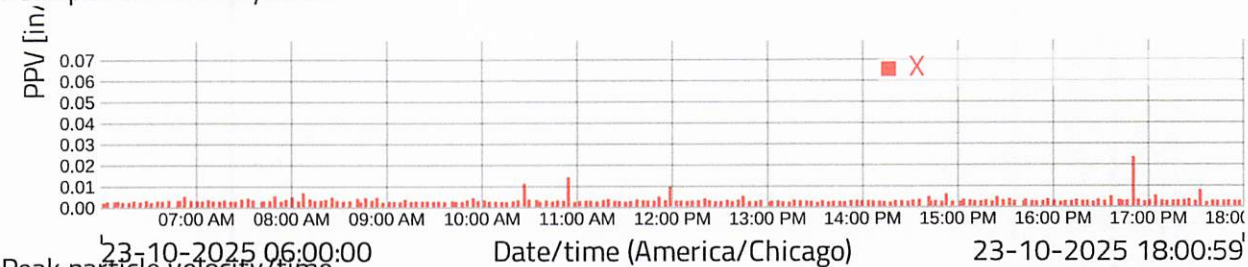
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

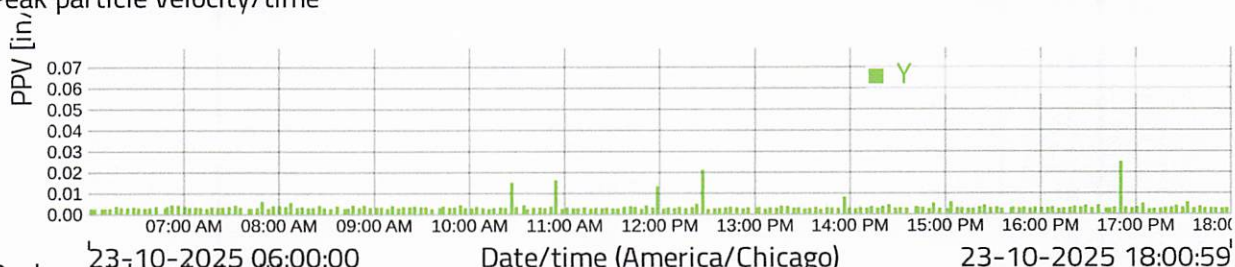


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 23, 2025 16:52:53	x	0.023	51.5
Oct. 23, 2025 16:52:53	y	0.025	52.0
Oct. 23, 2025 16:00:11	z	0.027	52.5

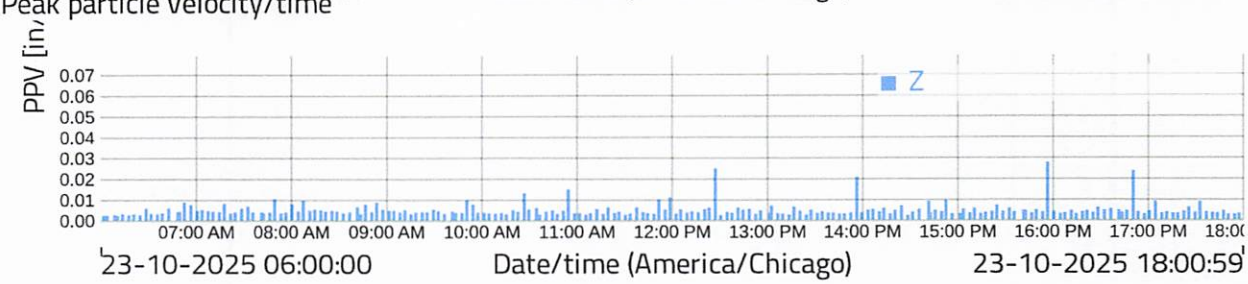
Peak particle velocity/time



Peak particle velocity/time



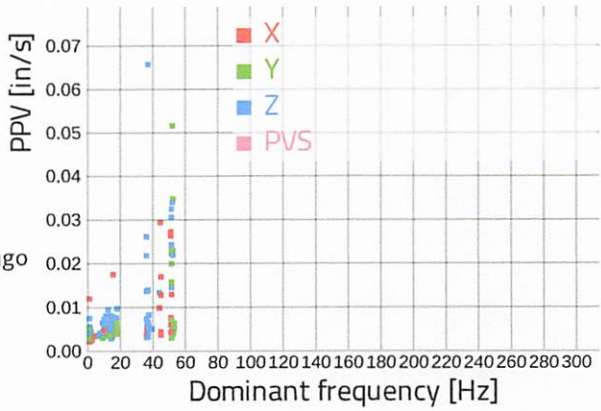
Peak particle velocity/time



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

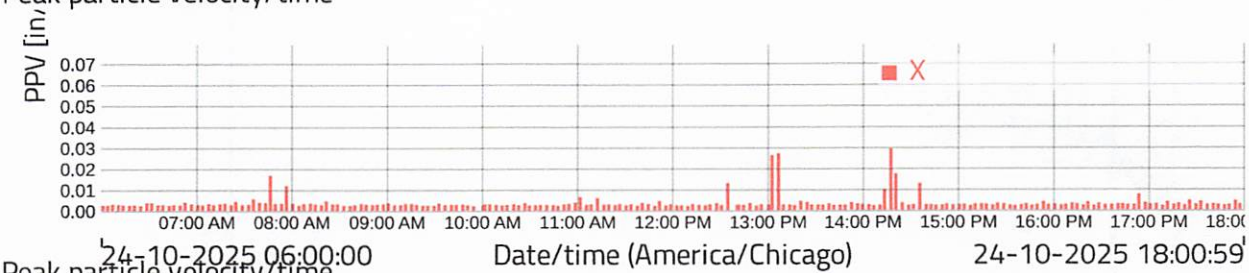
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

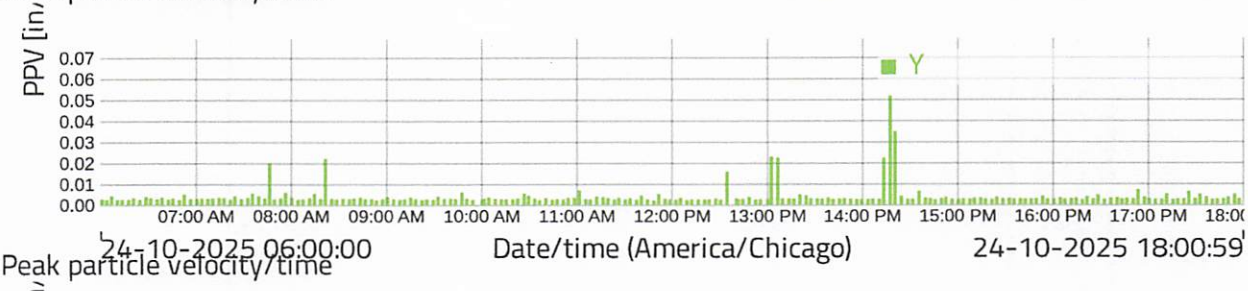


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 24, 2025 14:19:29	x	0.029	45.0
Oct. 24, 2025 14:19:29	y	0.051	52.5
Oct. 24, 2025 14:19:29	z	0.066	37.5

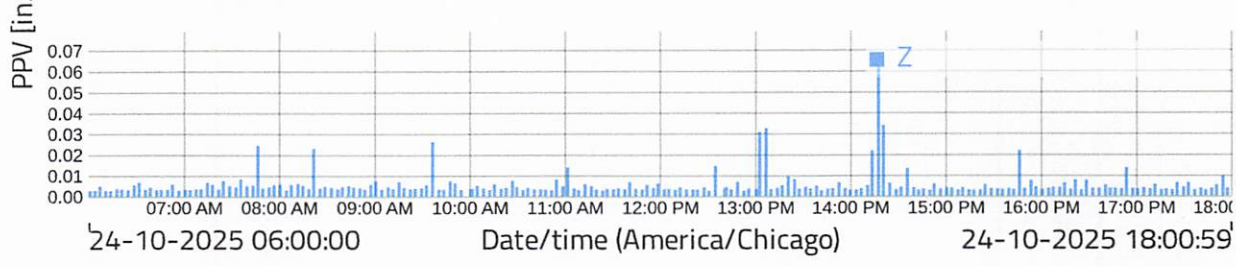
Peak particle velocity/time



Peak particle velocity/time



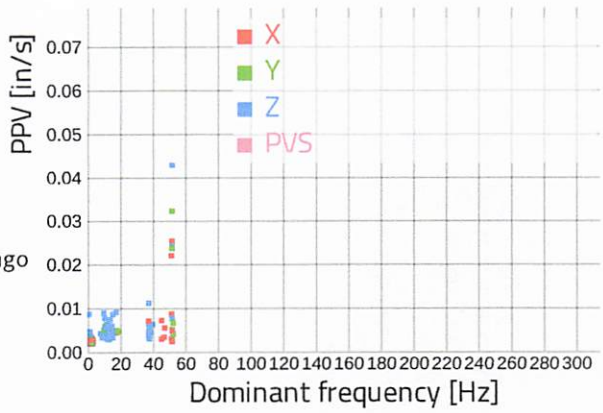
Peak particle velocity/time



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

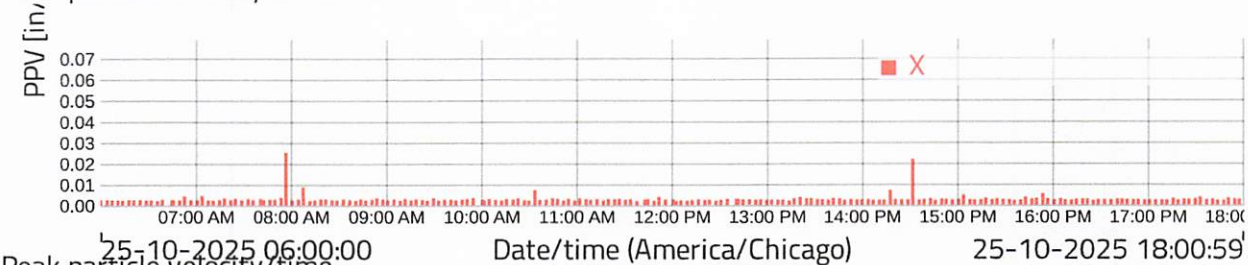
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

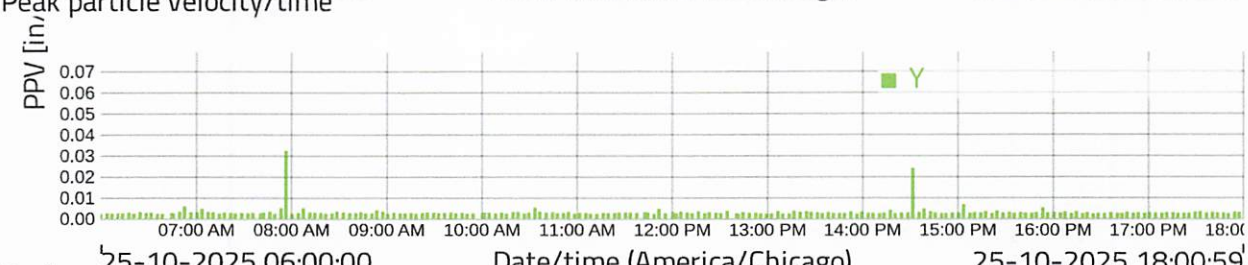


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 25, 2025 07:58:41	x	0.025	52.0
Oct. 25, 2025 07:58:41	y	0.032	52.0
Oct. 25, 2025 07:58:41	z	0.043	52.0

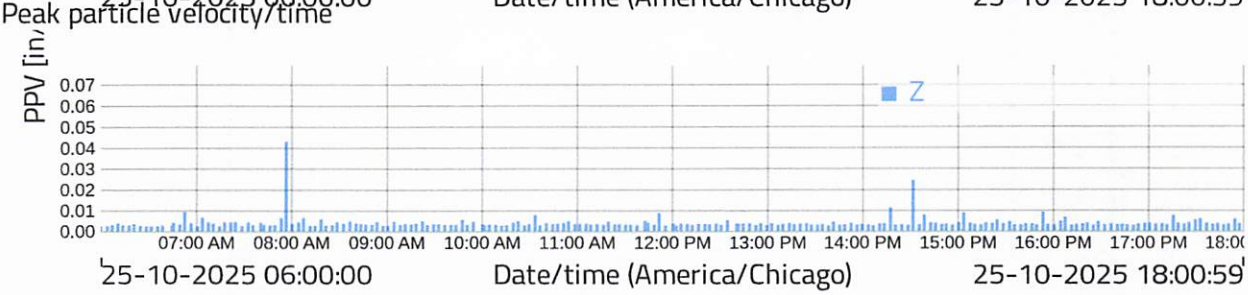
Peak particle velocity/time



Peak particle velocity/time



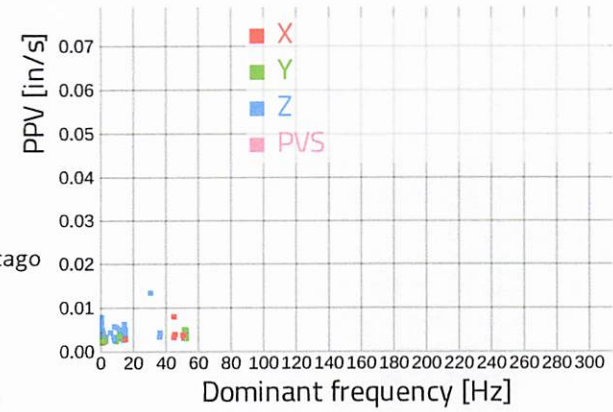
Peak particle velocity/time



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

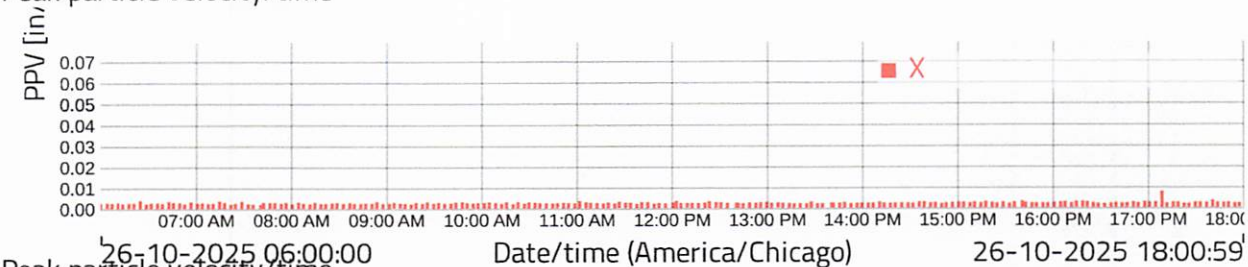
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

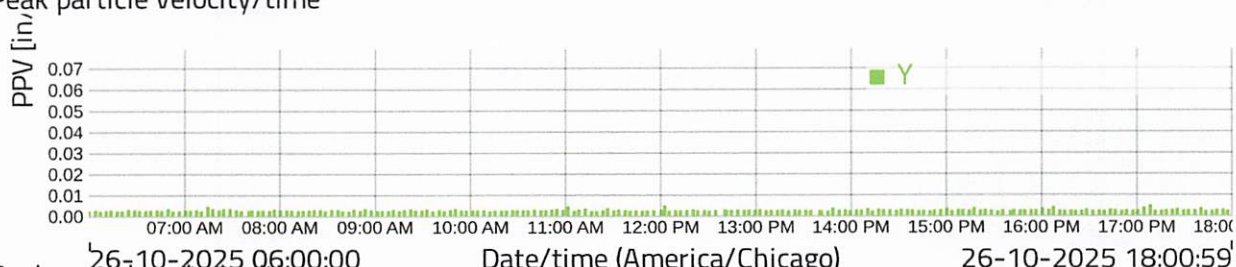


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 26, 2025 17:08:59	x	0.008	45.5
Oct. 26, 2025 17:08:59	y	0.005	52.0
Oct. 26, 2025 17:08:59	z	0.013	31.0

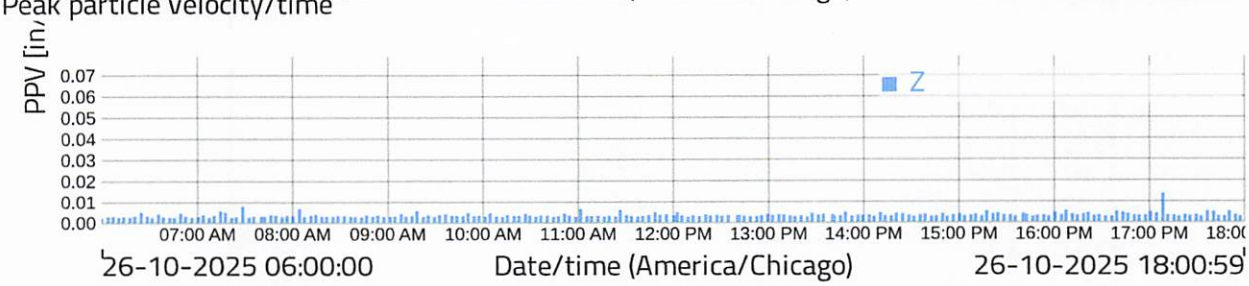
Peak particle velocity/time



Peak particle velocity/time



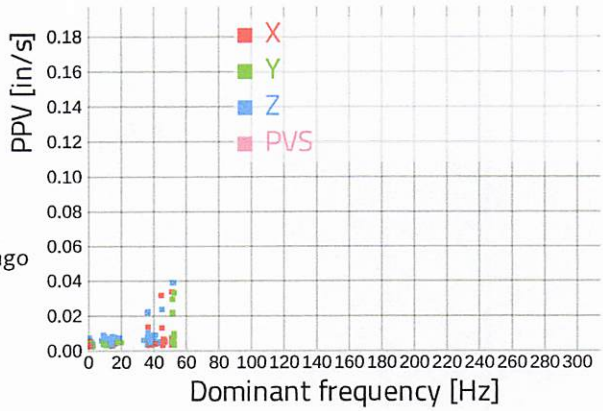
Peak particle velocity/time



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

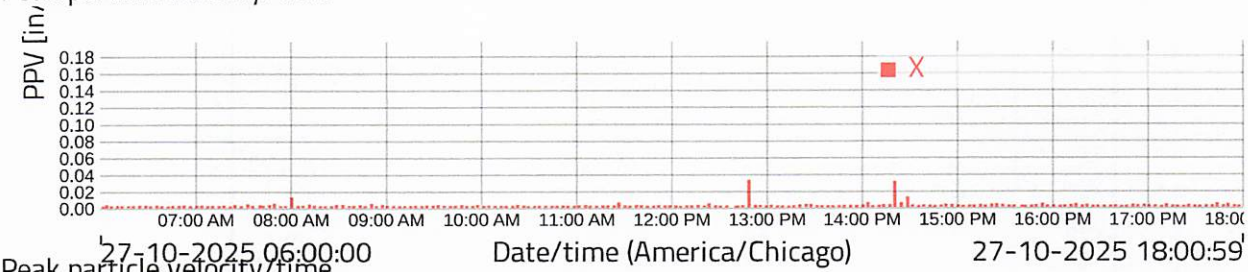
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

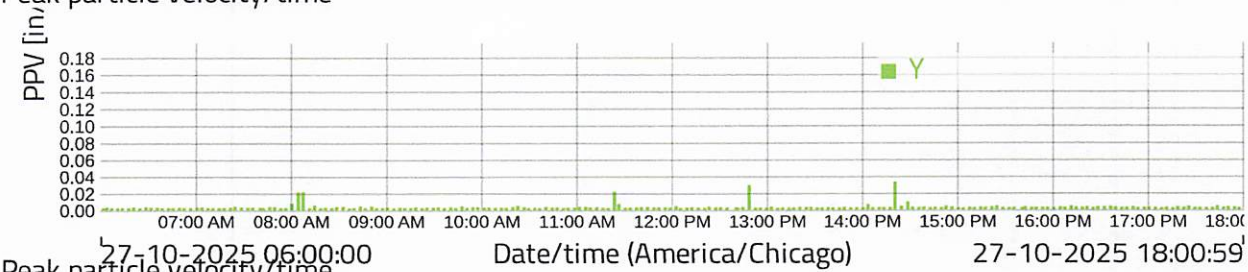


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 27, 2025 12:51:05	x	0.033	51.5
Oct. 27, 2025 14:22:41	y	0.033	53.0
Oct. 27, 2025 14:22:41	z	0.039	52.5

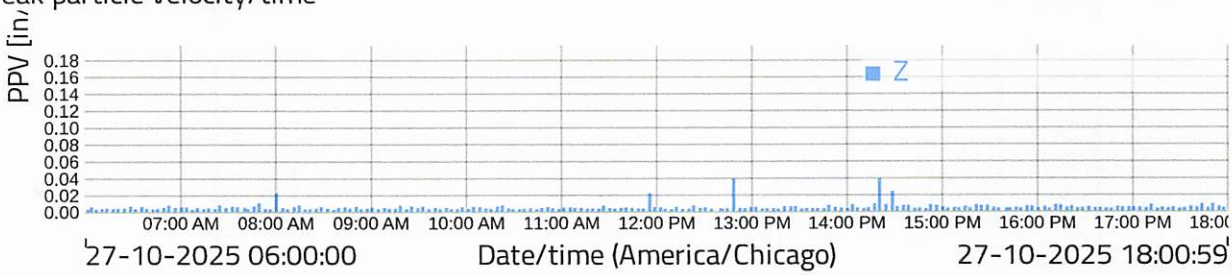
Peak particle velocity/time



Peak particle velocity/time



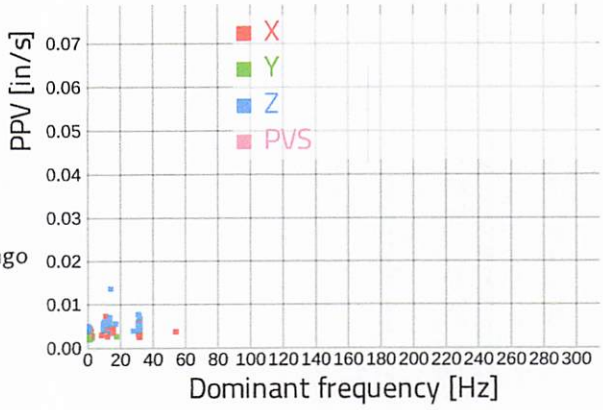
Peak particle velocity/time



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

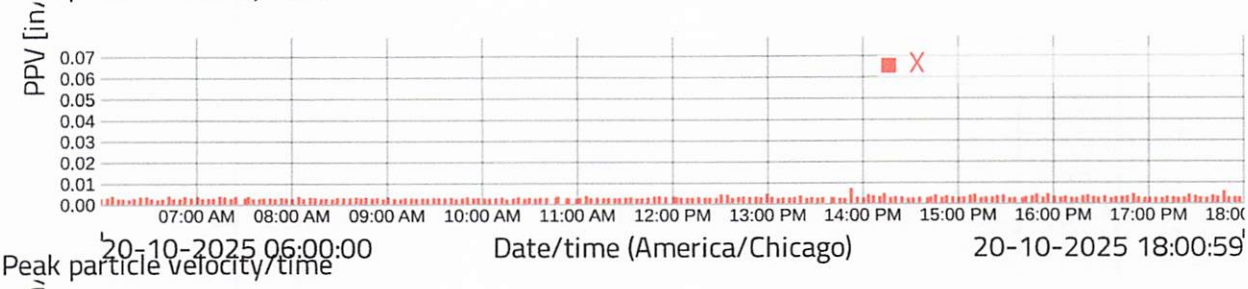
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

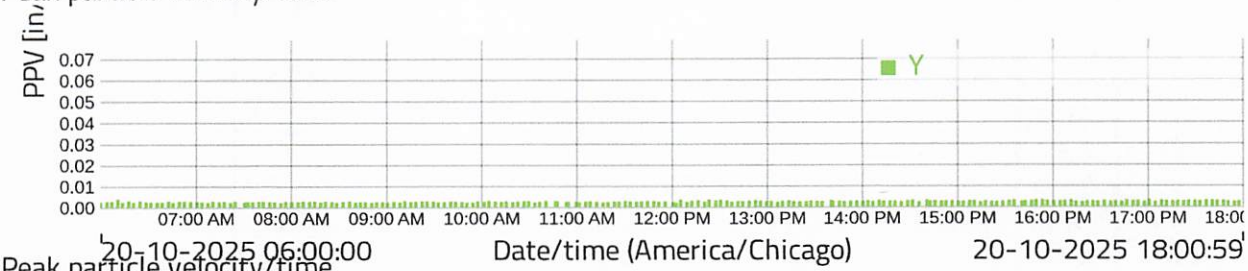


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 20, 2025 13:52:59	x	0.007	11.5
Oct. 20, 2025 06:11:59	y	0.004	1.0
Oct. 20, 2025 13:52:59	z	0.013	14.5

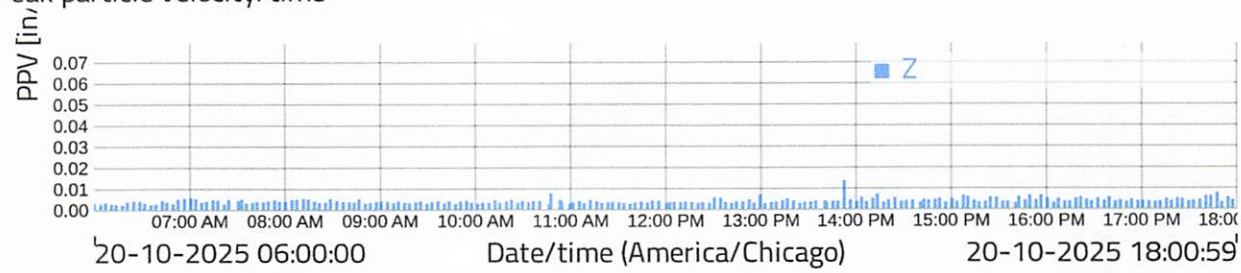
Peak particle velocity/time



Peak particle velocity/time



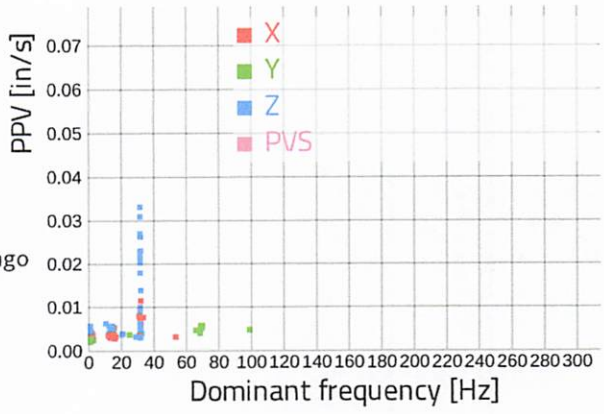
Peak particle velocity/time



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

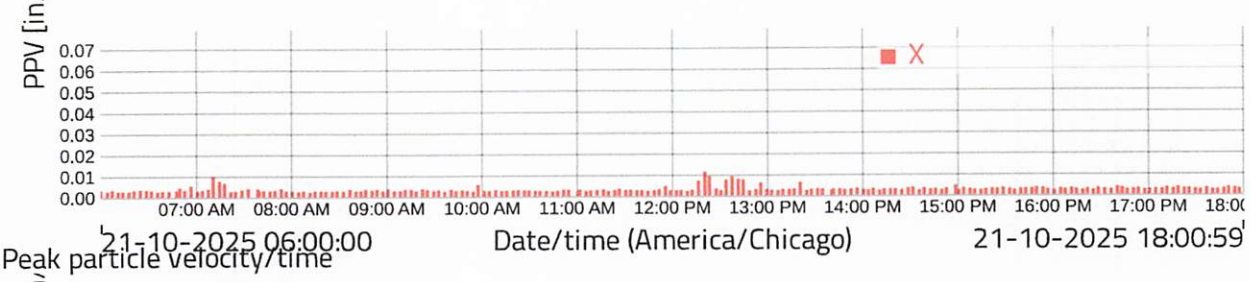
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

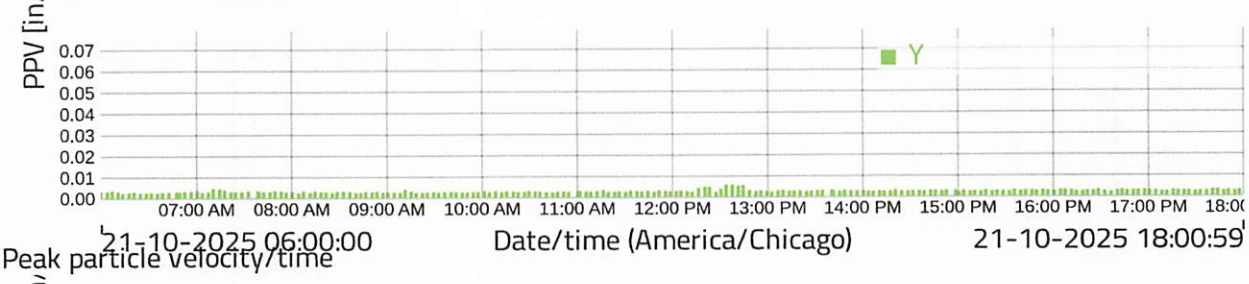


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 21, 2025 12:21:59	x	0.011	32.5
Oct. 21, 2025 12:40:59	y	0.006	70.5
Oct. 21, 2025 07:13:47	z	0.033	32.0

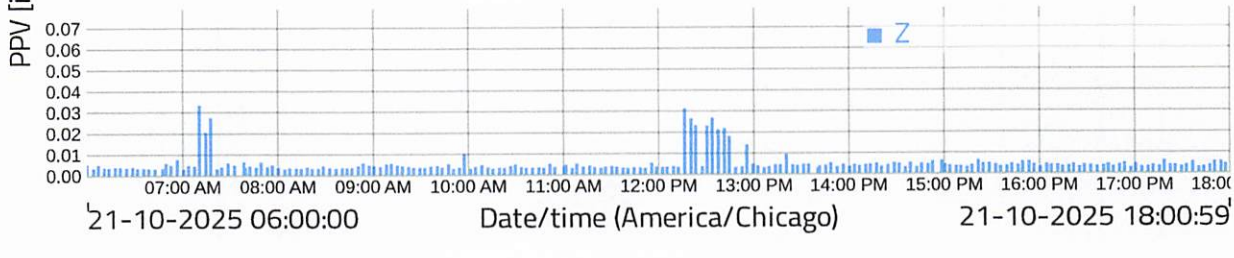
Peak particle velocity/time



Peak particle velocity/time



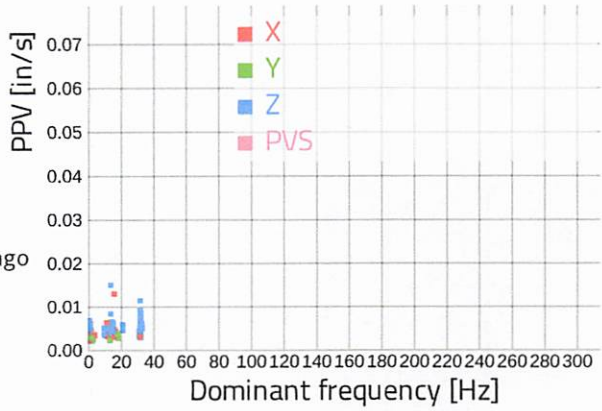
Peak particle velocity/time



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

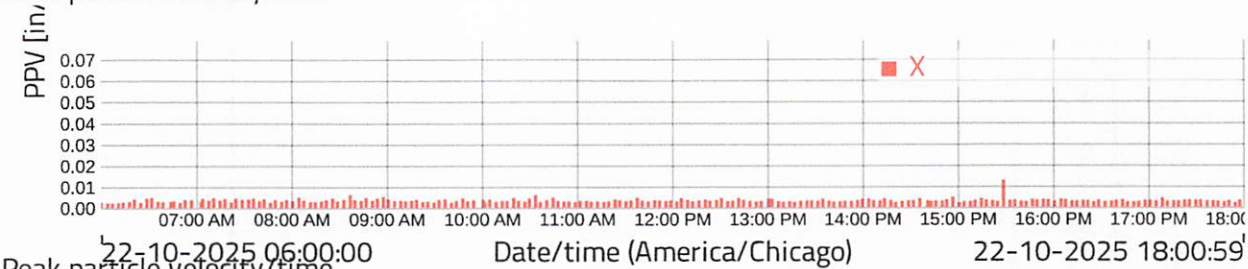
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

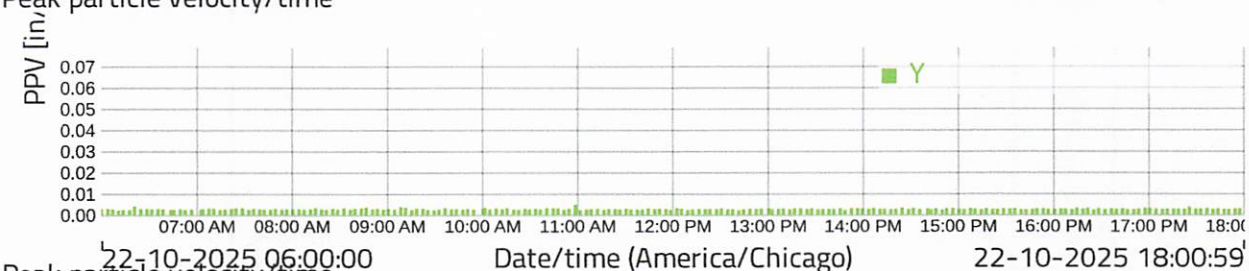


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 22, 2025 15:28:59	x	0.013	16.0
Oct. 22, 2025 11:00:59	y	0.005	1.5
Oct. 22, 2025 15:28:59	z	0.015	14.0

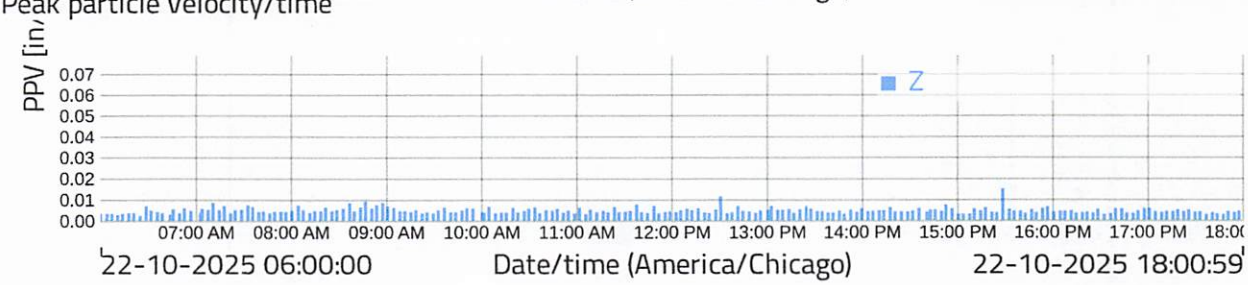
Peak particle velocity/time



Peak particle velocity/time



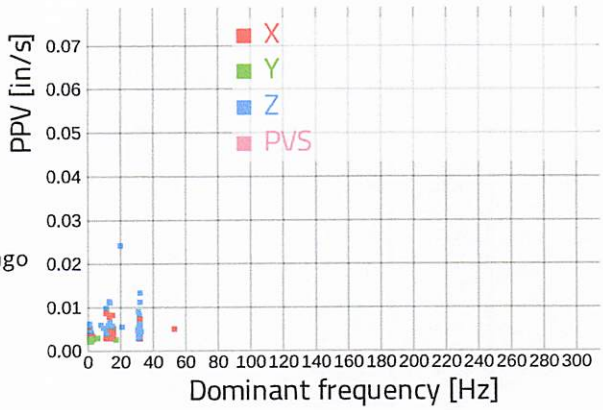
Peak particle velocity/time



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

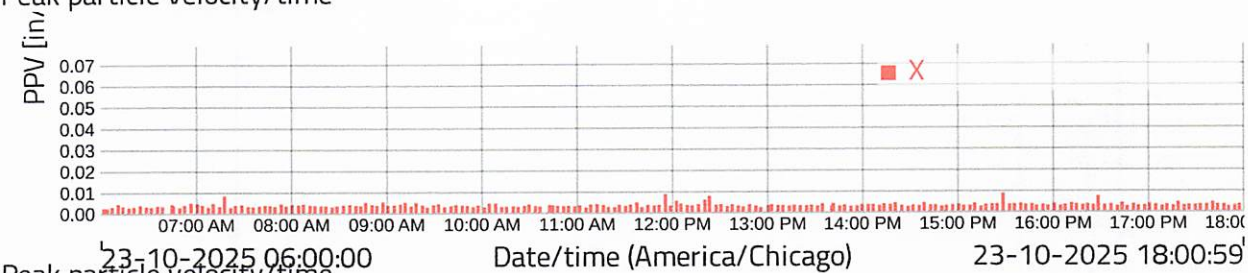
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

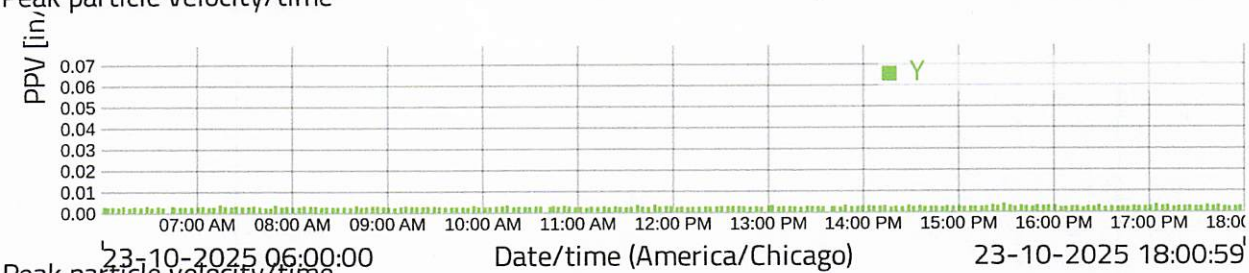


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 23, 2025 15:28:59	x	0.009	12.0
Oct. 23, 2025 15:28:59	y	0.004	1.5
Oct. 23, 2025 09:27:23	z	0.024	20.5

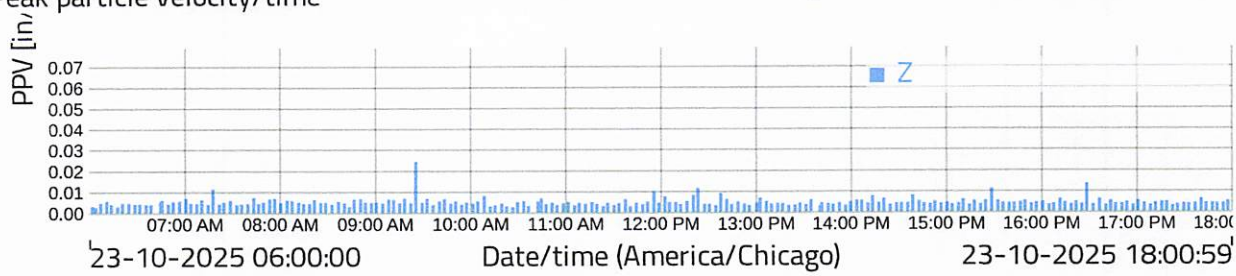
Peak particle velocity/time



Peak particle velocity/time



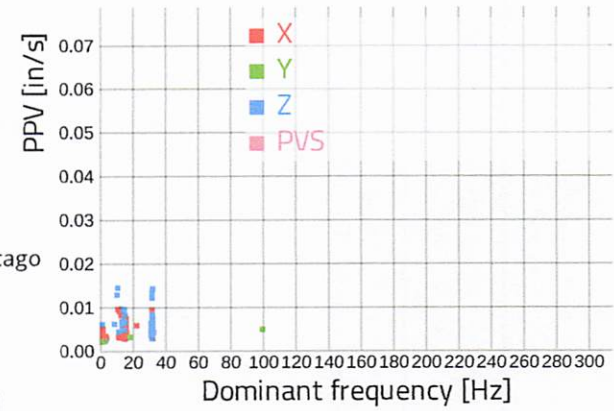
Peak particle velocity/time



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

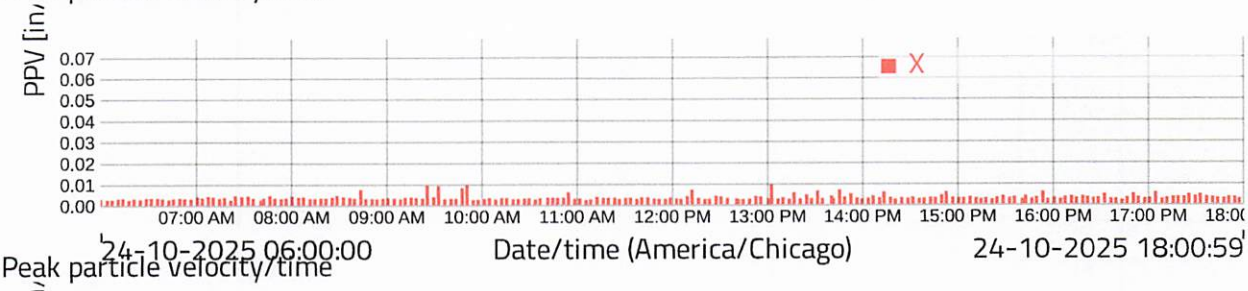
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

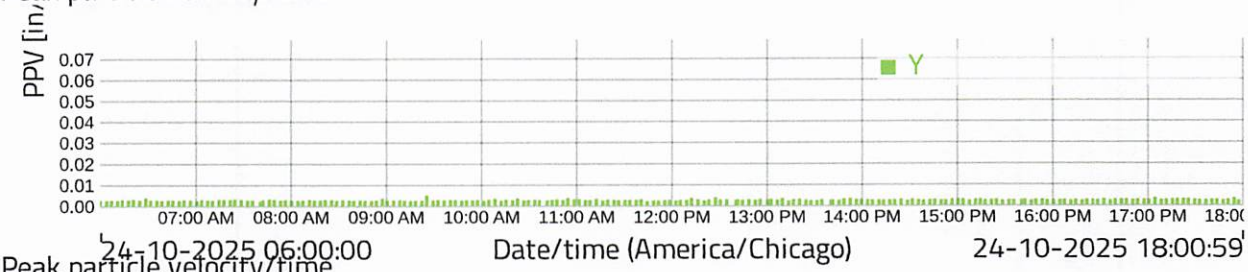


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 24, 2025 13:03:59	x	0.009	11.0
Oct. 24, 2025 09:26:59	y	0.005	100.0
Oct. 24, 2025 13:03:59	z	0.014	11.0

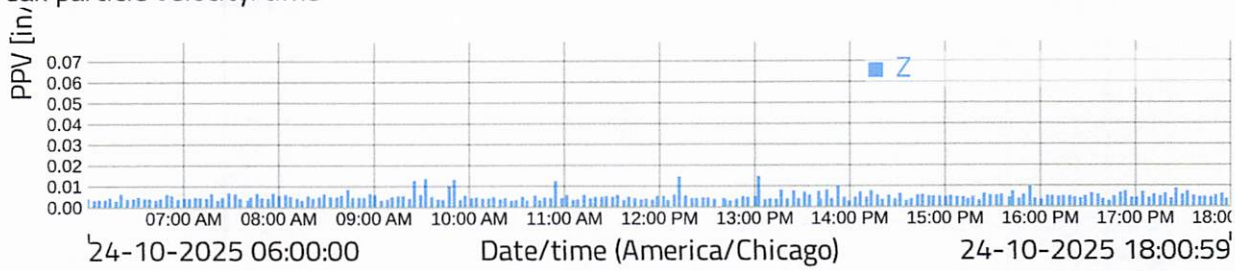
Peak particle velocity/time



Peak particle velocity/time



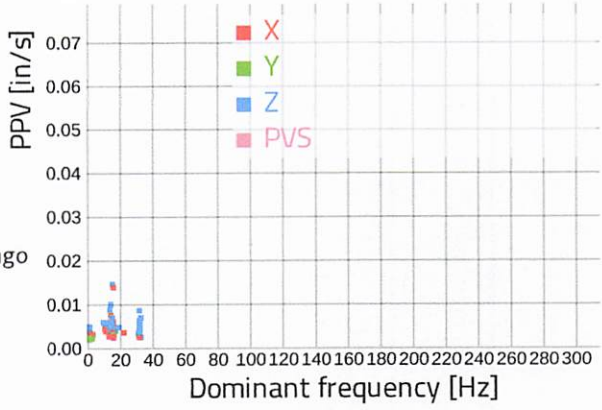
Peak particle velocity/time



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

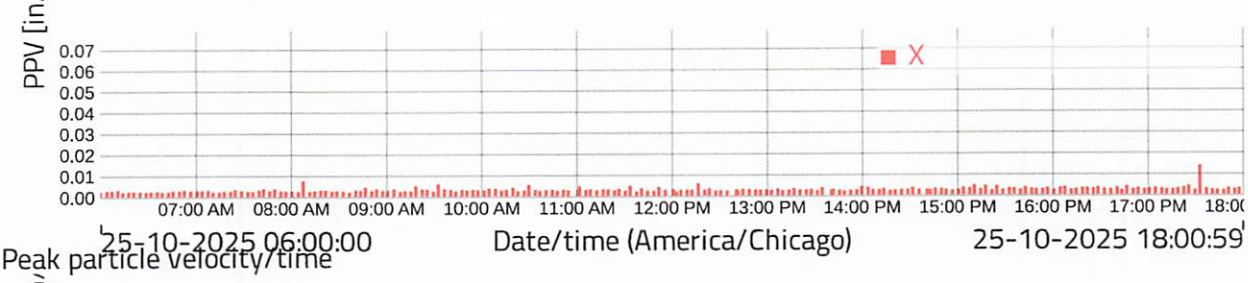
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

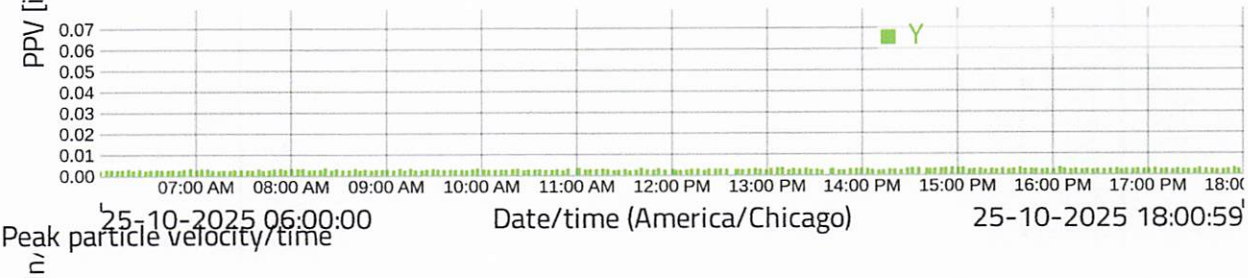


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 25, 2025 17:32:59	x	0.014	16.0
Oct. 25, 2025 08:24:59	y	0.003	1.5
Oct. 25, 2025 17:32:59	z	0.014	15.5

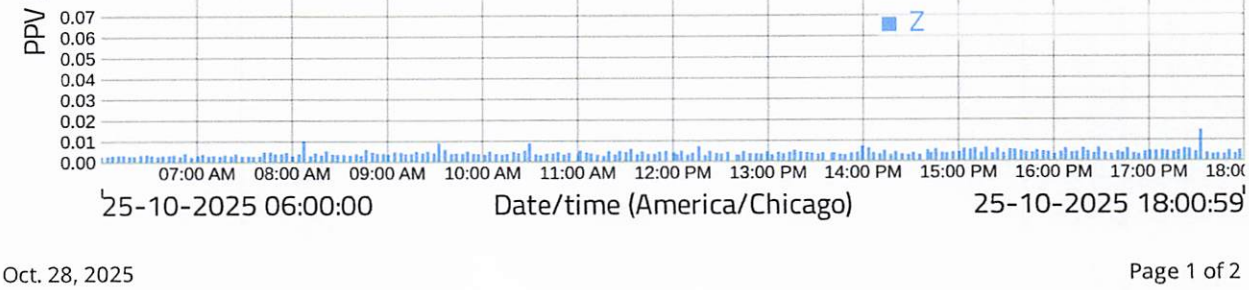
Peak particle velocity/time



Peak particle velocity/time



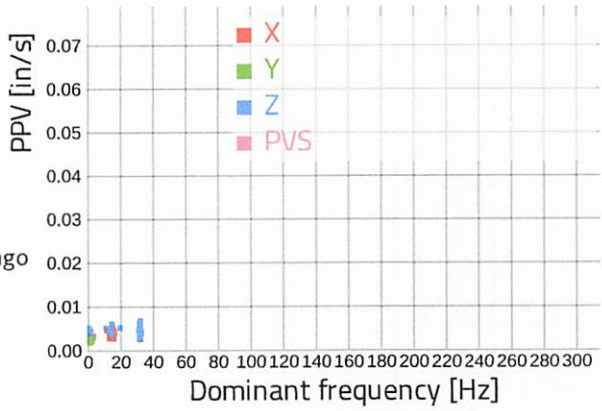
Peak particle velocity/time



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

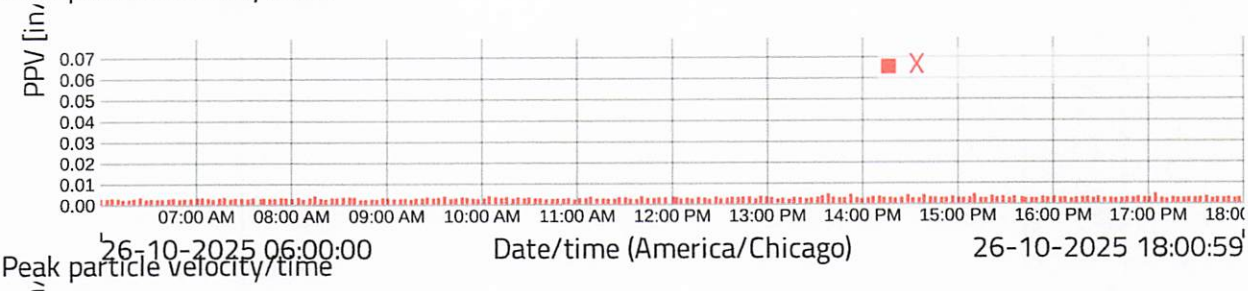
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

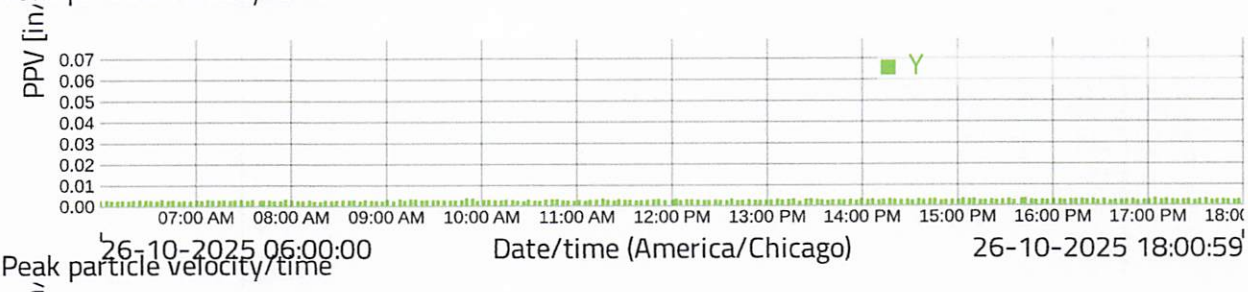


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 26, 2025 13:40:59	x	0.005	1.0
Oct. 26, 2025 09:51:59	y	0.003	1.5
Oct. 26, 2025 13:40:59	z	0.007	32.5

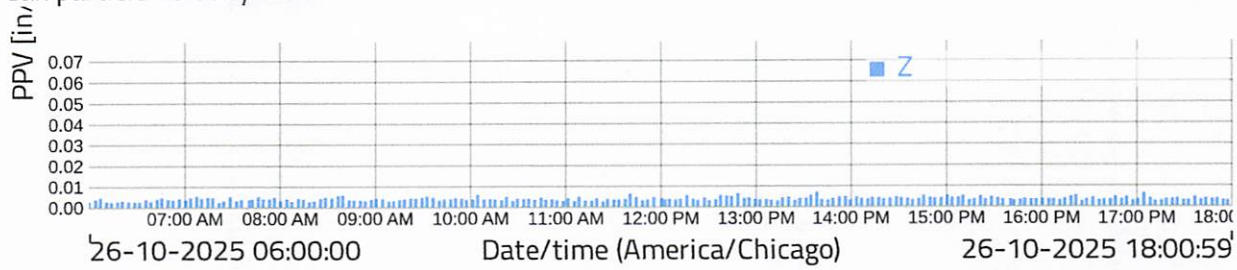
Peak particle velocity/time



Peak particle velocity/time



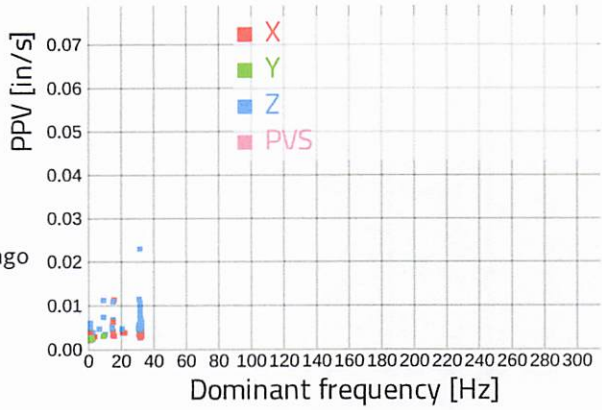
Peak particle velocity/time



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

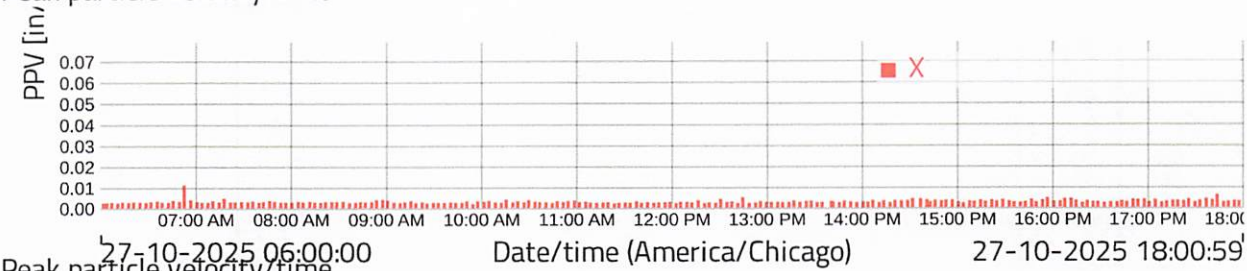
Calculate PPA (Peak particle acceleration)	Off
Evaluation type	Unspecified
Threshold for measurement storage	0.02 in/s
PPV flat line threshold	0.5 in/s
Guideline	ISEE 250Hz
Measuring interval	6 seconds
Storage below threshold interval	60 seconds
Store values below threshold	On
Timezone	America/Chicago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

Peak particle velocity/frequency

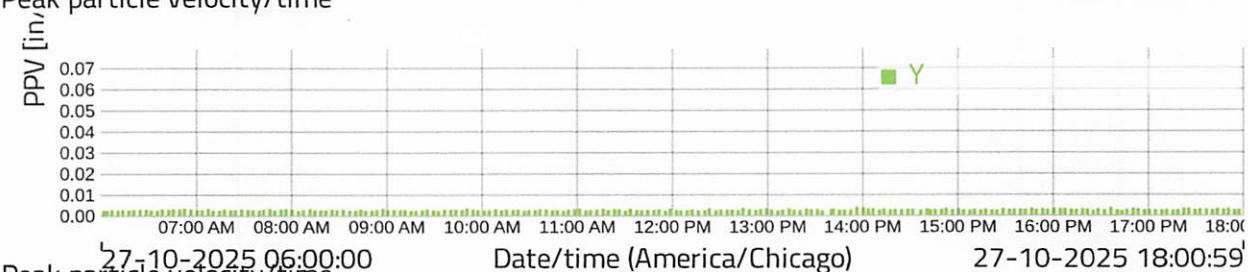


Peak readings Time	axis	PPV(in/sec)	Freq (Hz)
Oct. 27, 2025 06:53:59	x	0.011	16.0
Oct. 27, 2025 13:58:59	y	0.004	1.5
Oct. 27, 2025 07:17:29	z	0.023	32.0

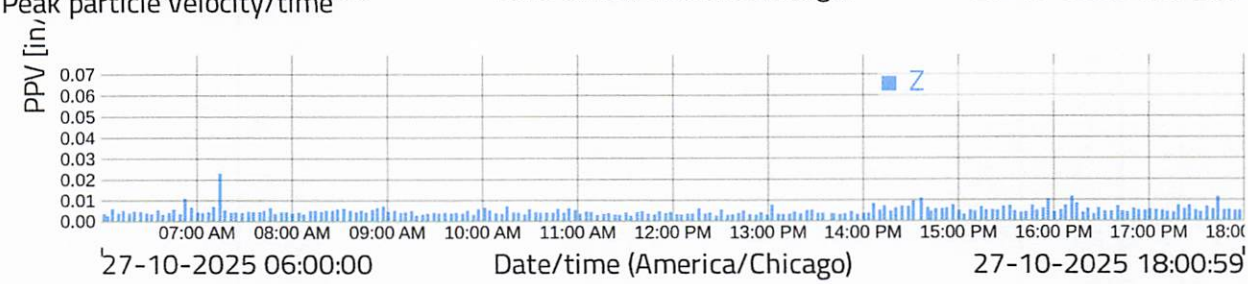
Peak particle velocity/time



Peak particle velocity/time



Peak particle velocity/time



SN: 3806 v3.22
Date: 10/20/2025 **Time:** 06:01:00
Event: 78
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.018	0.015	0.015
FREQ (Hz)	18.5	17.9	20.8

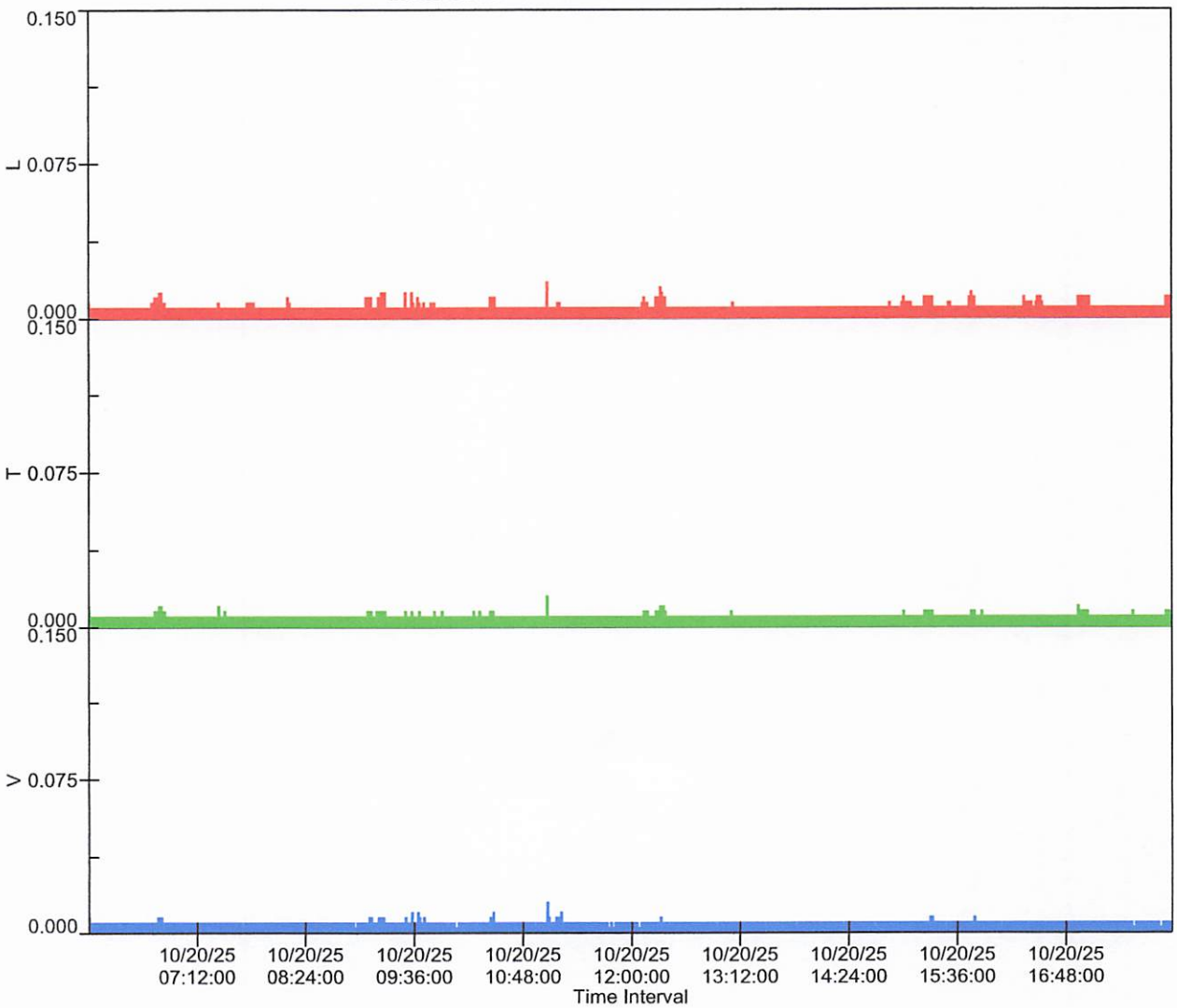
Peak Air Pressure: 84 db

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

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: 78

Record Max PPV: 0.018 in/s Record Max DB: 84 db



SN: 3806 v3.22
Date: 10/21/2025 **Time:** 06:01:00
Event: 79
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.018	0.015	0.023
FREQ (Hz)	20.8	23.8	22.7

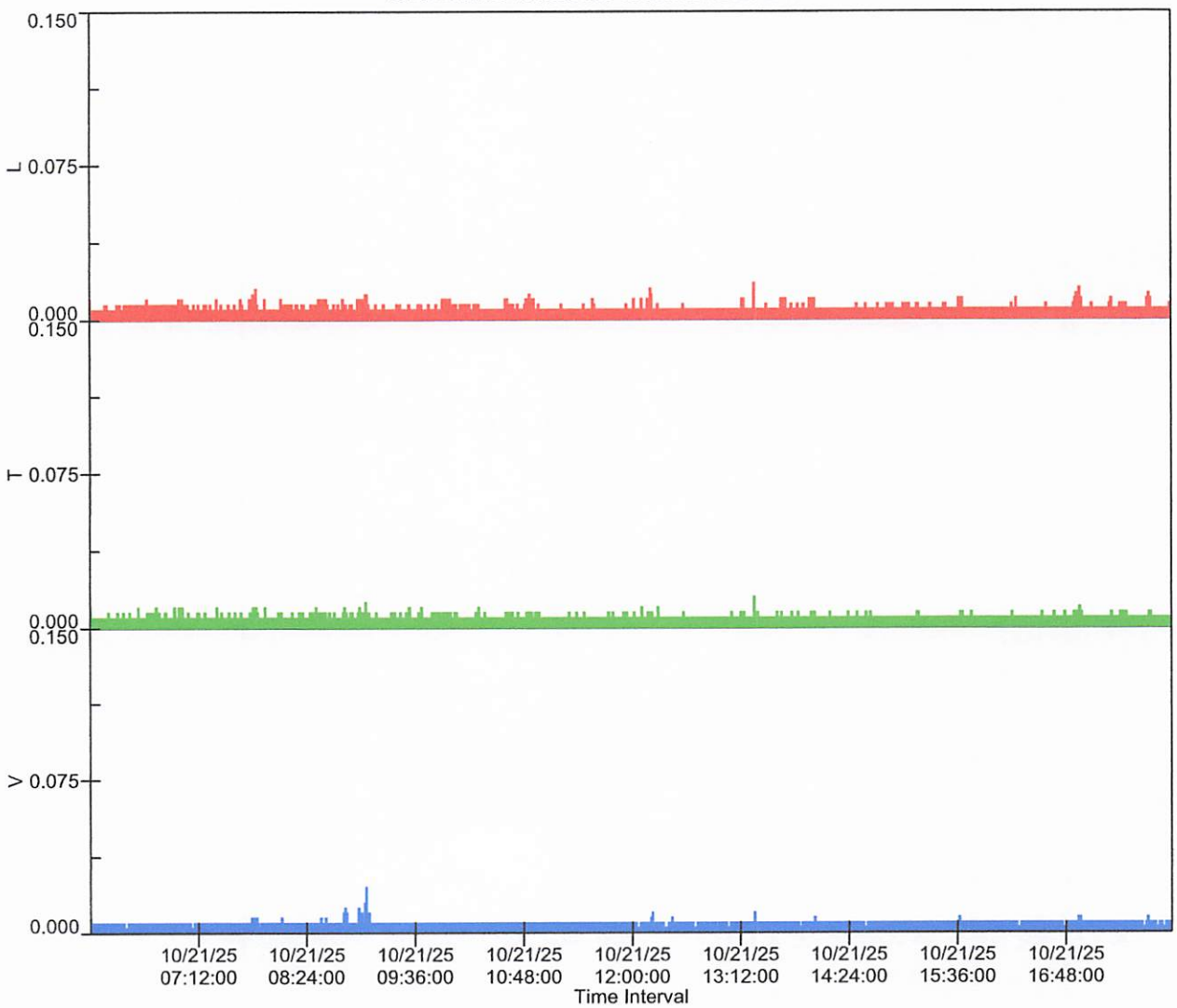
Peak Air Pressure: 81 db

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

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: 79

Record Max PPV: 0.023 in/s Record Max DB: 81 db



SN: 3806 v3.22
Date: 10/22/2025 **Time:** 06:01:00
Event: 80
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.015	0.013	0.010
FREQ (Hz)	11.6	14.3	33.3

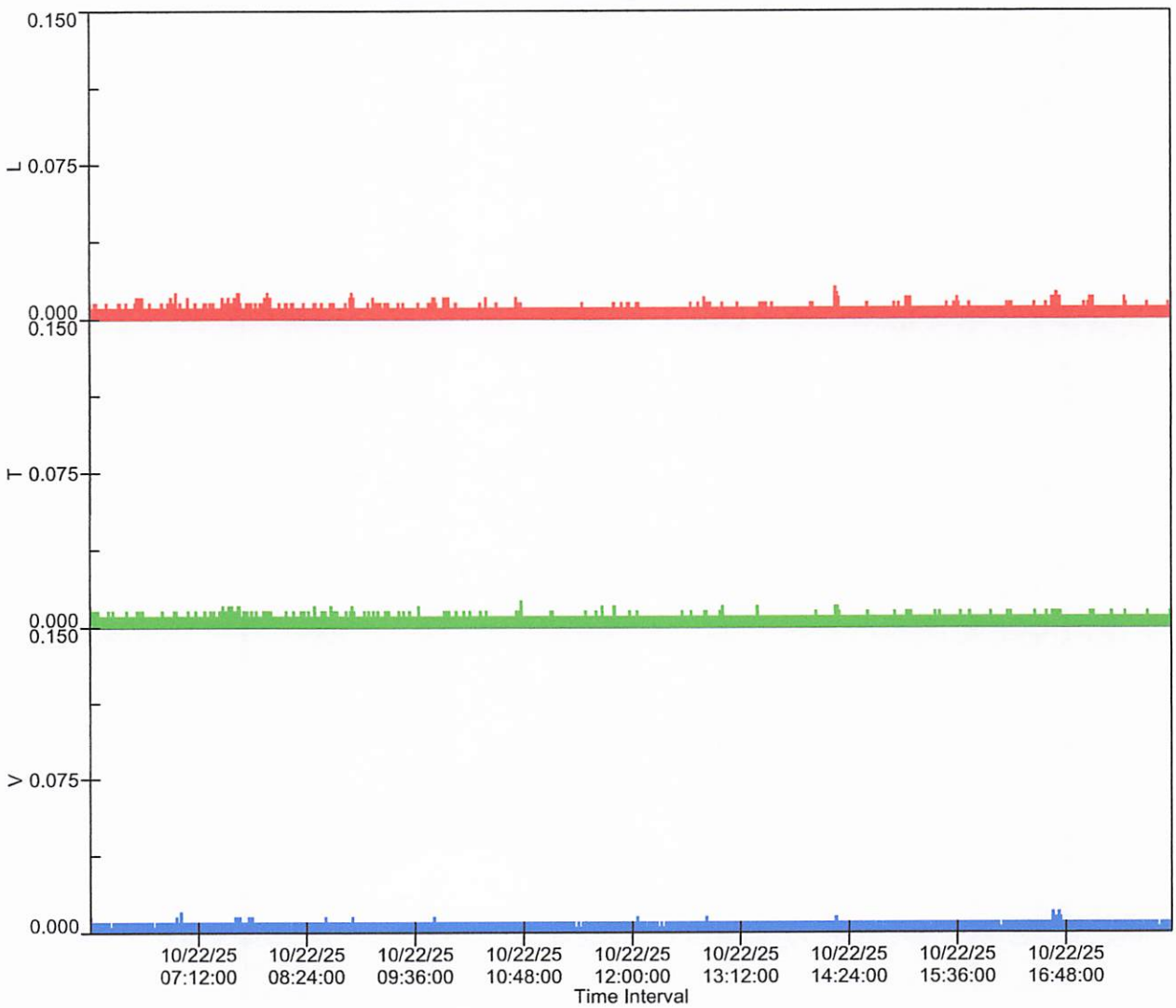
Peak Air Pressure: 82 db

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

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: 3608 Event: 80

Record Max PPV: 0.015 in/s Record Max DB: 82 db



SN: 3806 v3.22
Date: 10/23/2025 **Time:** 06:01:00
Event: 81
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.010	0.010	0.010
FREQ (Hz)	.3	7.6	.3

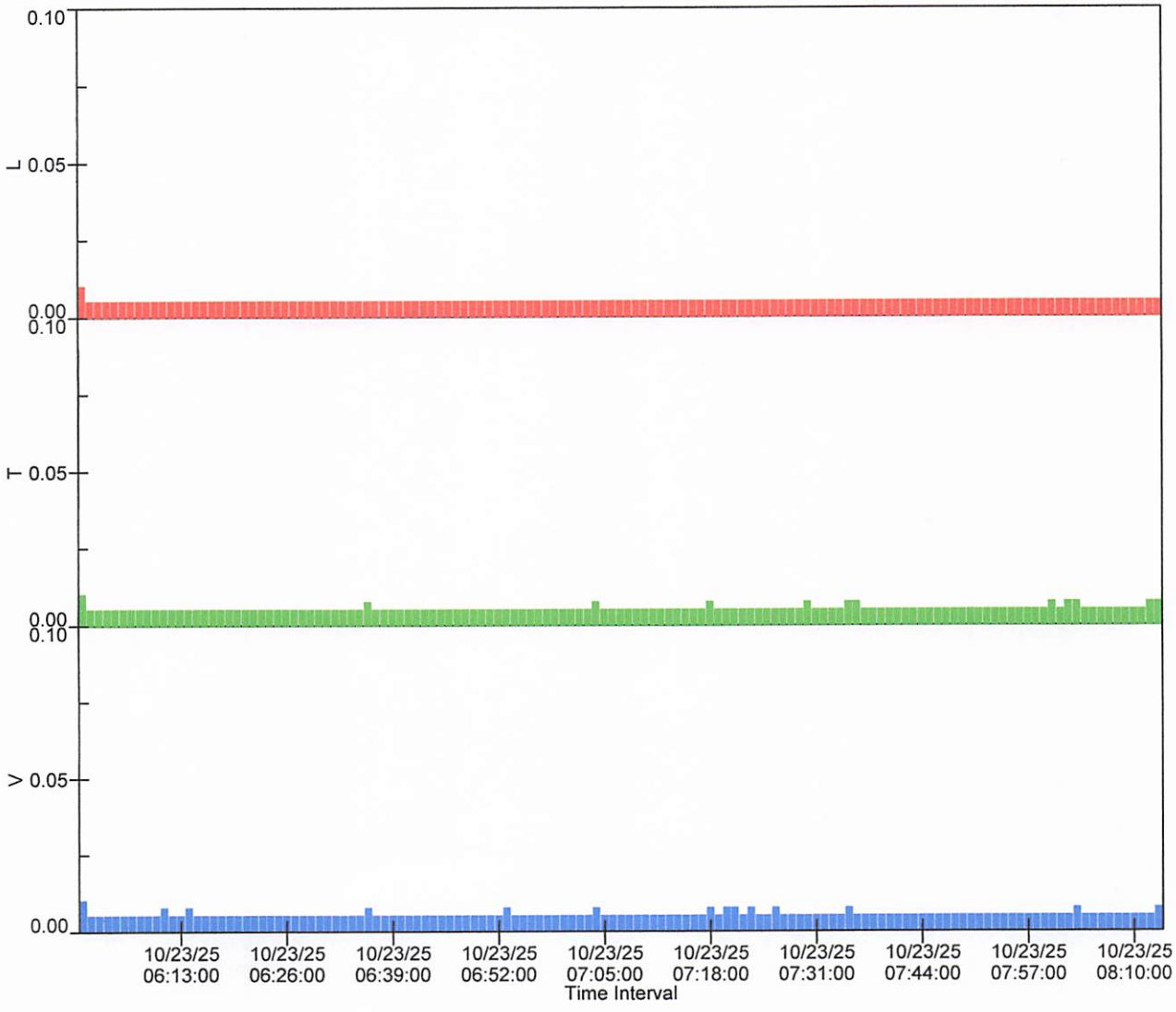
Peak Air Pressure: 90 db

Recording Time: 133 minutes
Sample Size: 1440
Interval Size: 60 seconds

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: 81

Record Max PPV: 0.010 in/s Record Max DB: 90 db



SN: 3806 v3.22
Date: 10/23/2025 **Time:** 08:17:00
Event: 82
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.023	0.015	0.040
FREQ (Hz)	38.5	20.8	38.5

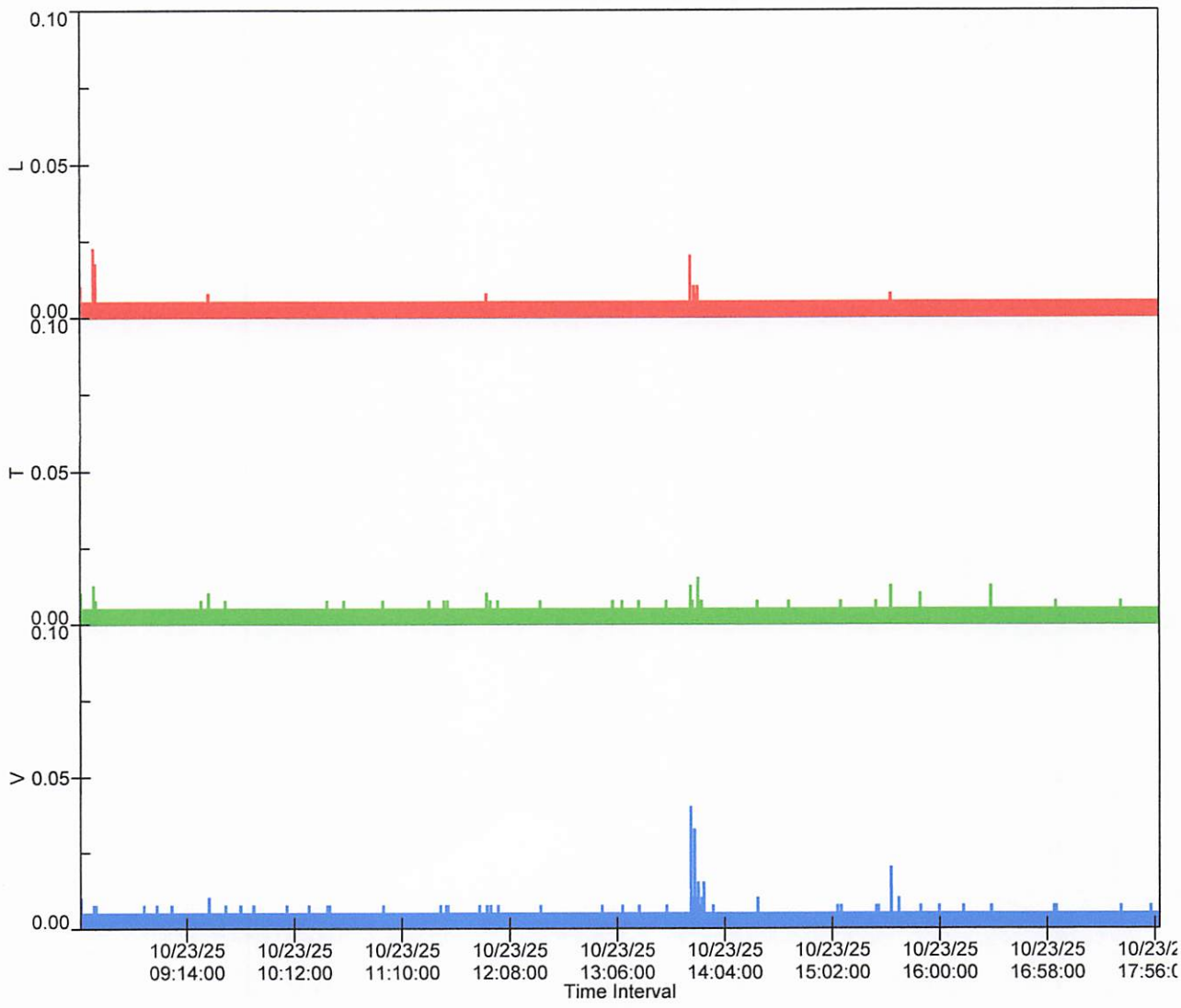
Peak Air Pressure: 89 db

Recording Time: 582 minutes
Sample Size: 1440
Interval Size: 60 seconds

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: 82

Record Max PPV: 0.040 in/s Record Max DB: 89 db



SN: 3806 v3.22
Date: 10/24/2025 **Time:** 06:01:00
Event: 83
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.080	0.048	0.130
FREQ (Hz)	62.5	62.5	55.6

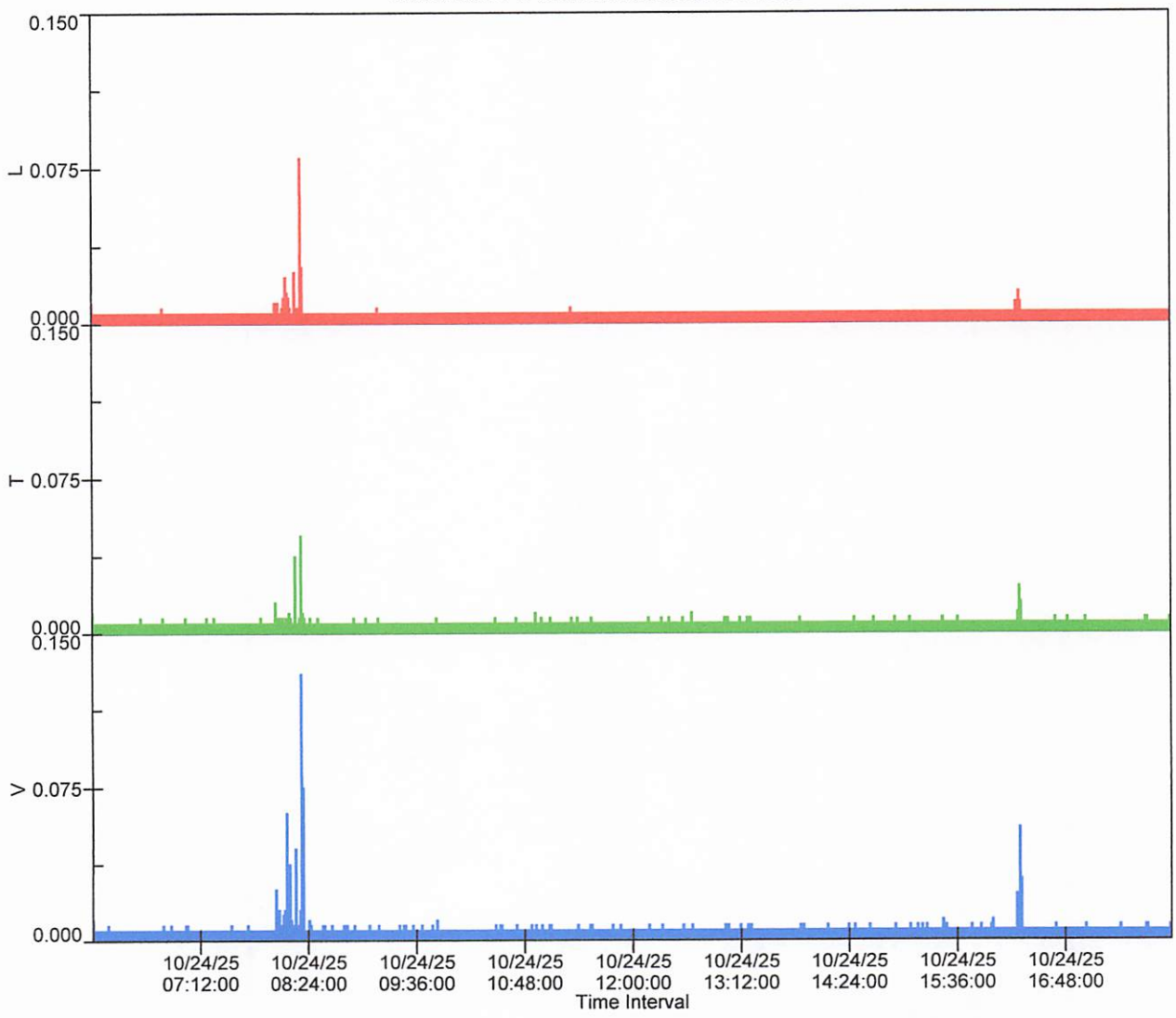
Peak Air Pressure: 81 db

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

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: 83

Record Max PPV: 0.130 in/s Record Max DB: 81 db



SN: 3806 v3.22
Date: 10/25/2025 **Time:** 06:01:00
Event: 84
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.010	0.010	0.010
FREQ (Hz)	.2	2.2	.3

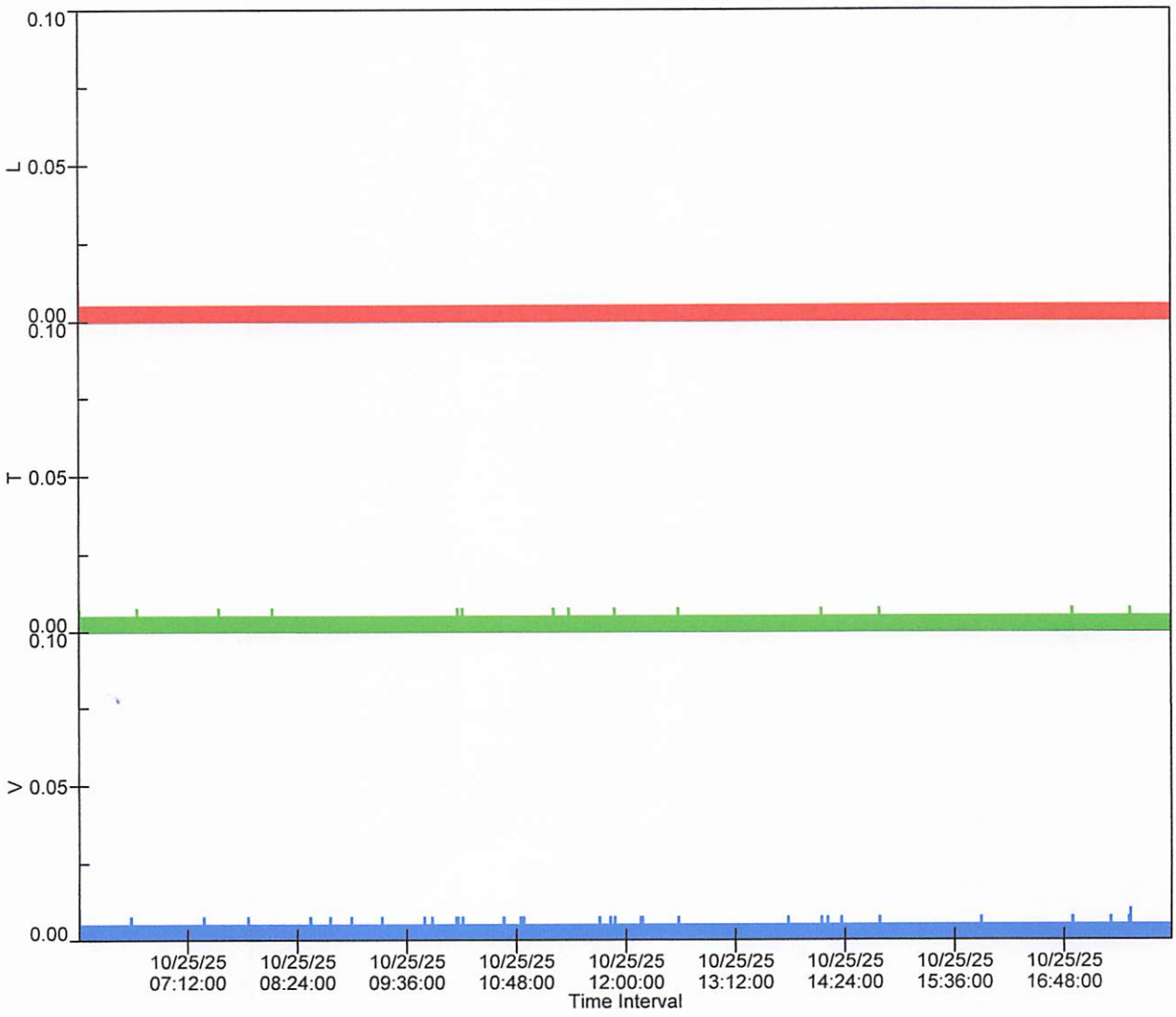
Peak Air Pressure: 90 db

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

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: 84

Record Max PPV: 0.010 in/s Record Max DB: 90 db



SN: 3806 v3.22
Date: 10/26/2025 **Time:** 06:01:00
Event: 85
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.008	0.010	0.010
FREQ (Hz)	.3	2.2	.3

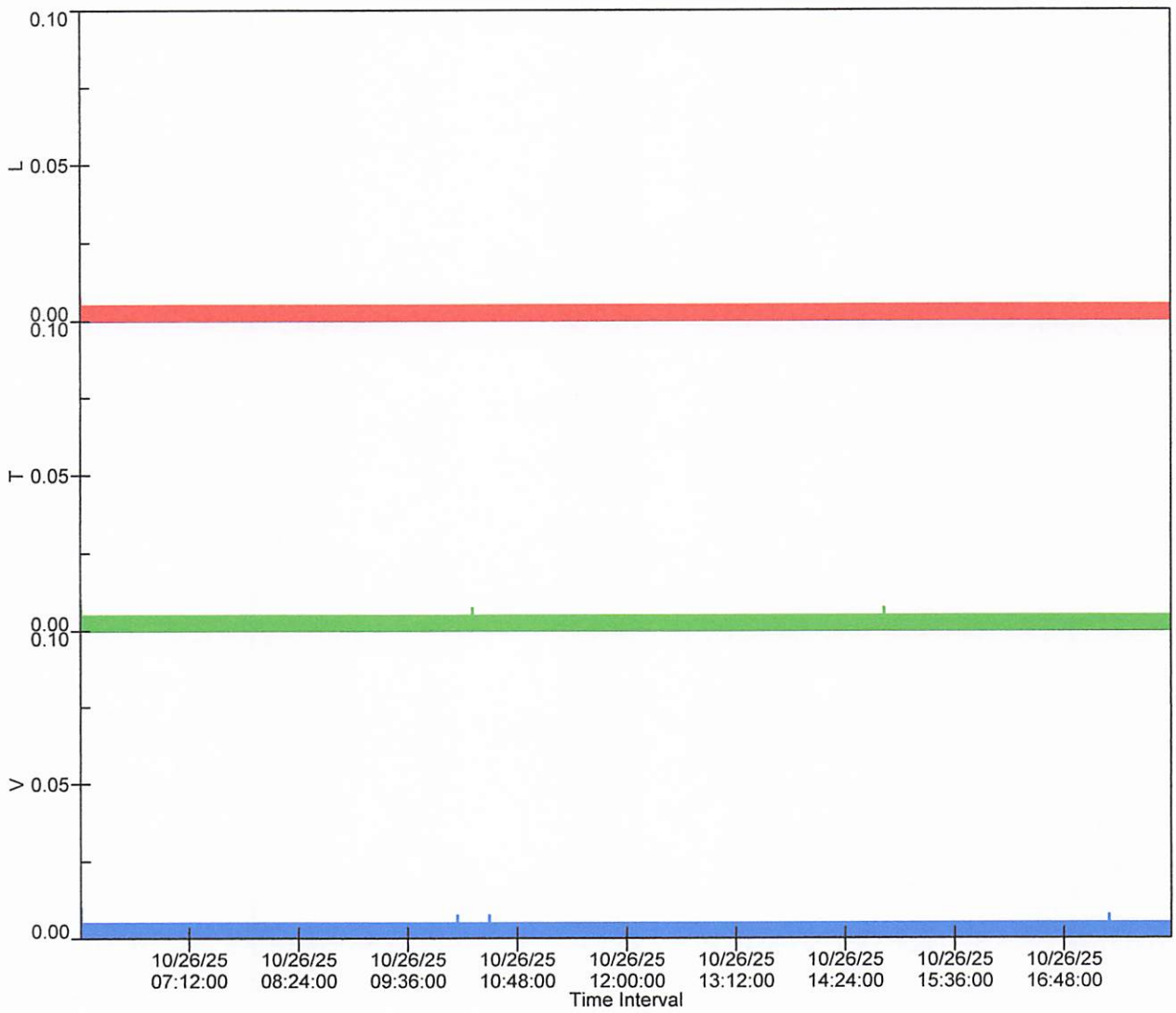
Peak Air Pressure: 84 db

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

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: 85

Record Max PPV: 0.010 in/s Record Max DB: 84 db



SN: 3806 v3.22
Date: 10/27/2025 **Time:** 06:01:00
Event: 86
Client: LEOPARDO
Operation: CONSTRUCTION
Location: 504 S BLVD
Distance: 15.
Operator: CTI INC
Comment: 424 S BLVD

Additional Info:

Continuous Monitor Recording
Summary Data

	L	T	V
PPV (in/s)	0.013	0.020	0.018
FREQ (Hz)	38.5	29.4	17.9

Peak Air Pressure: 84 db

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

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: 86

Record Max PPV: 0.020 in/s Record Max DB: 84 db