

ANALYSIS REPORT

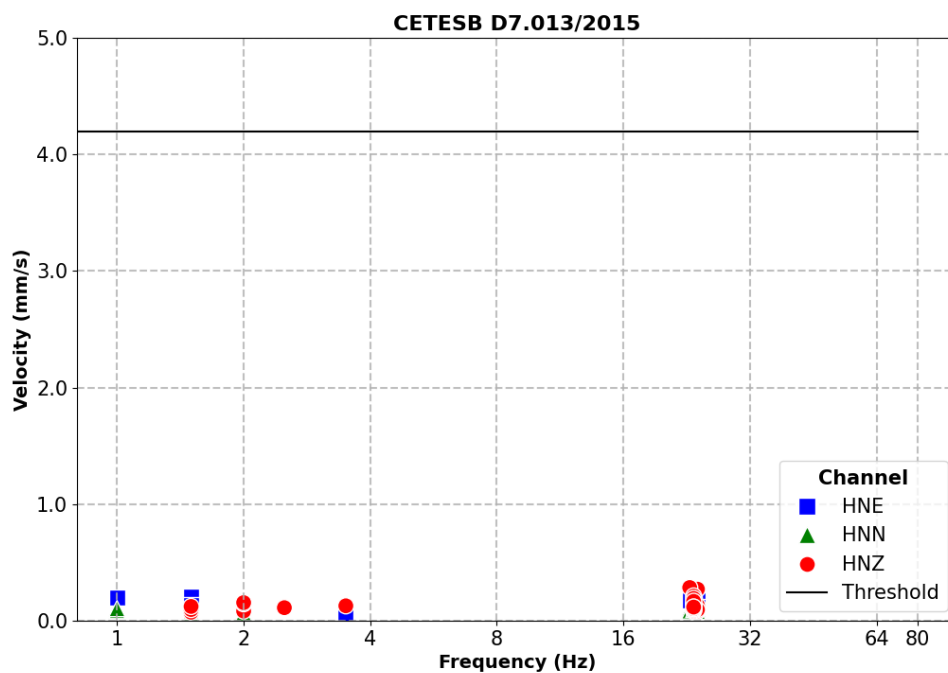
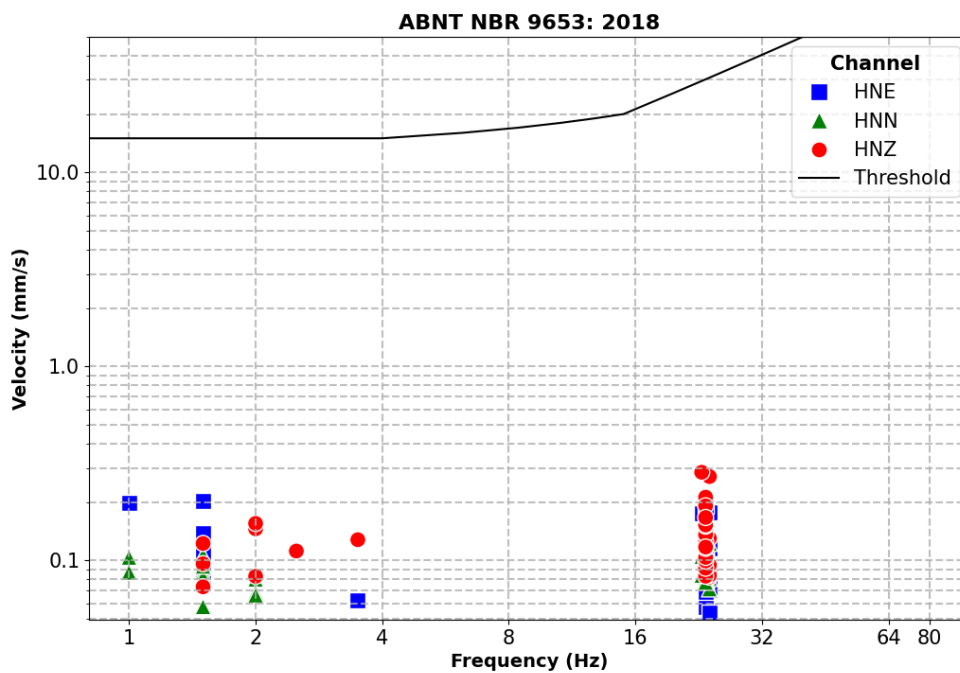


Date: 2025-03-27 UTC-5
Project: Vibração de Solo - Braskem
Data interval: 2025-01-07 15:15:13 to 2025-01-07 15:16:37 UTC-3
Client: AGILE - BRASKEM
Location: Maceió - AL
Notes:

Continuos Vibration Data

| | HNE | HNN | HNZ |
|------------|-------|-------|-------|
| PPA (g) | 0.009 | 0.006 | 0.007 |
| PPV (mm/s) | 0.203 | 0.144 | 0.285 |
| PPD (mm) | 0.024 | 0.033 | 0.042 |
| FREQ (Hz) | 1.5 | 23.5 | 23.0 |

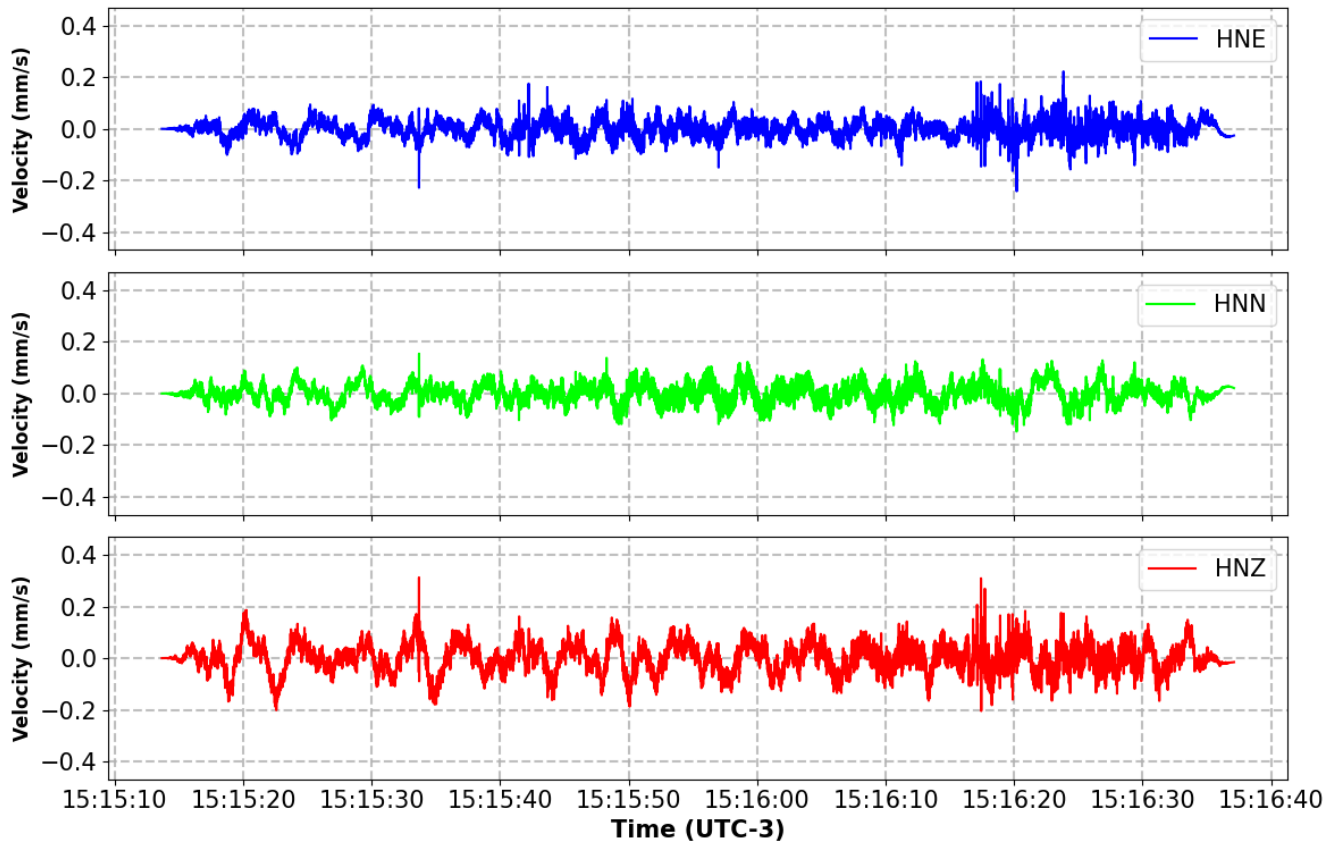
Sample Rate: 250 Hz
Window Size: 3.0 seg
Serial: ME 379



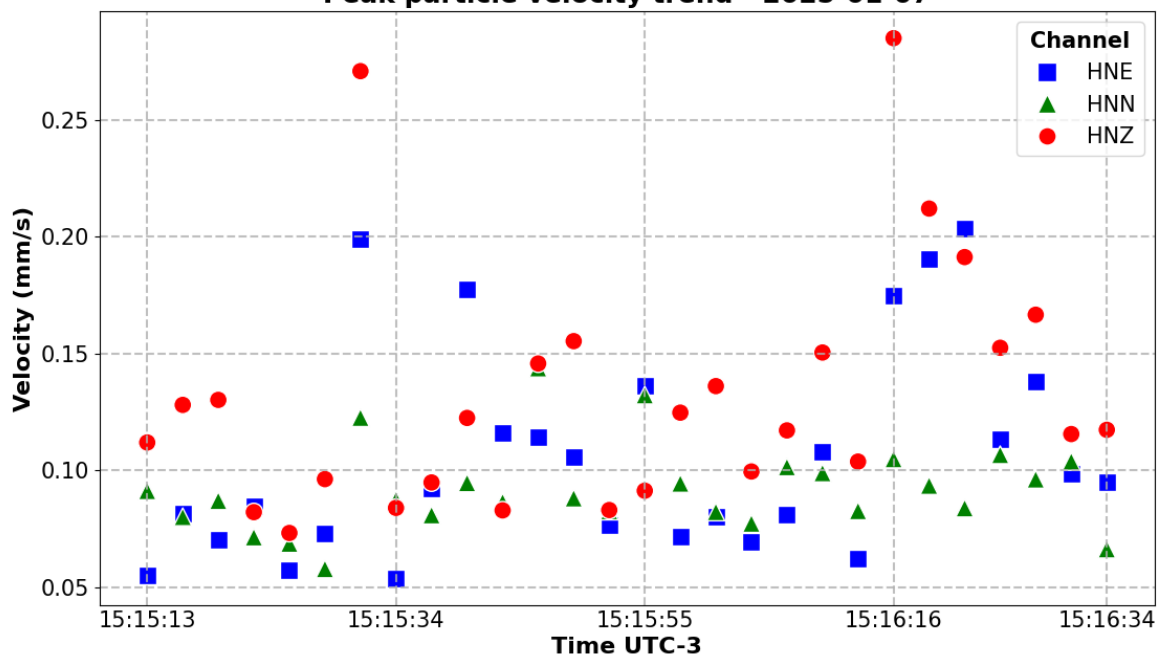
PARTICLE VELOCITY ANALYSIS



Signals over time (velocity)



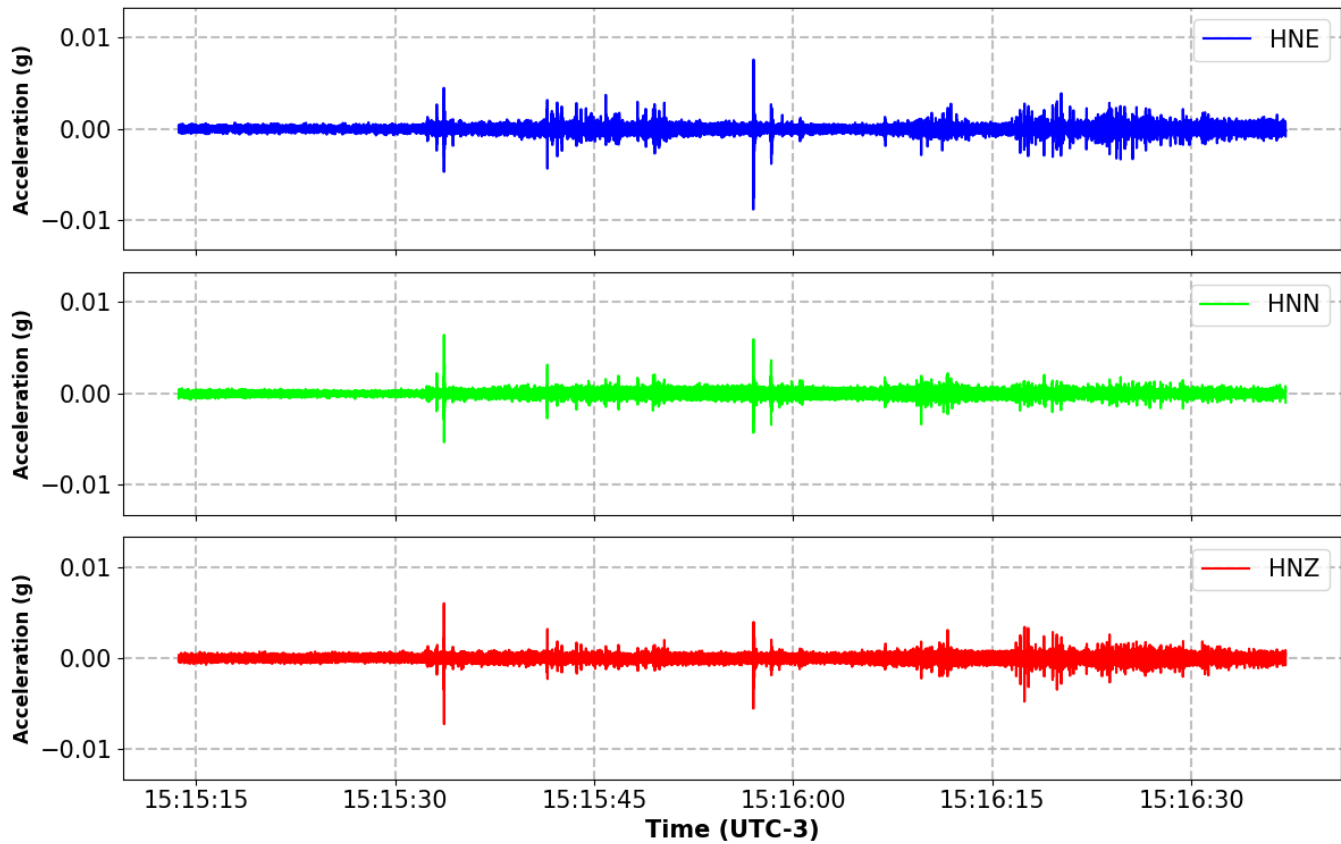
Peak particle velocity trend - 2025-01-07



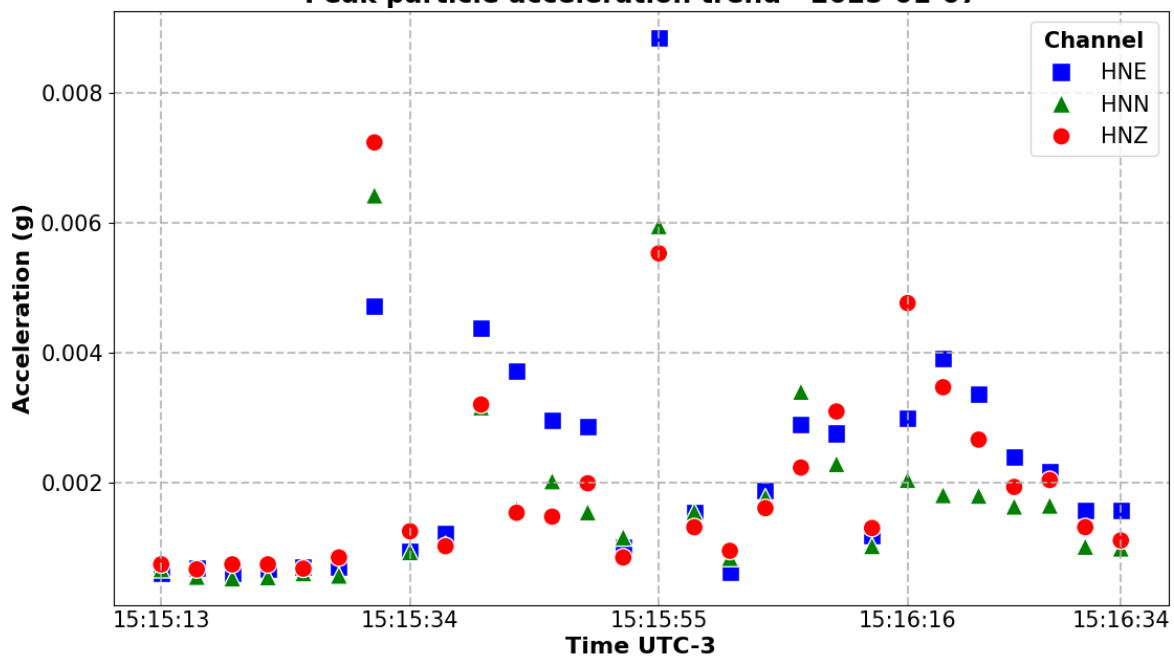
PARTICLE ACCELERATION ANALYSIS



Signals over time (acceleration)



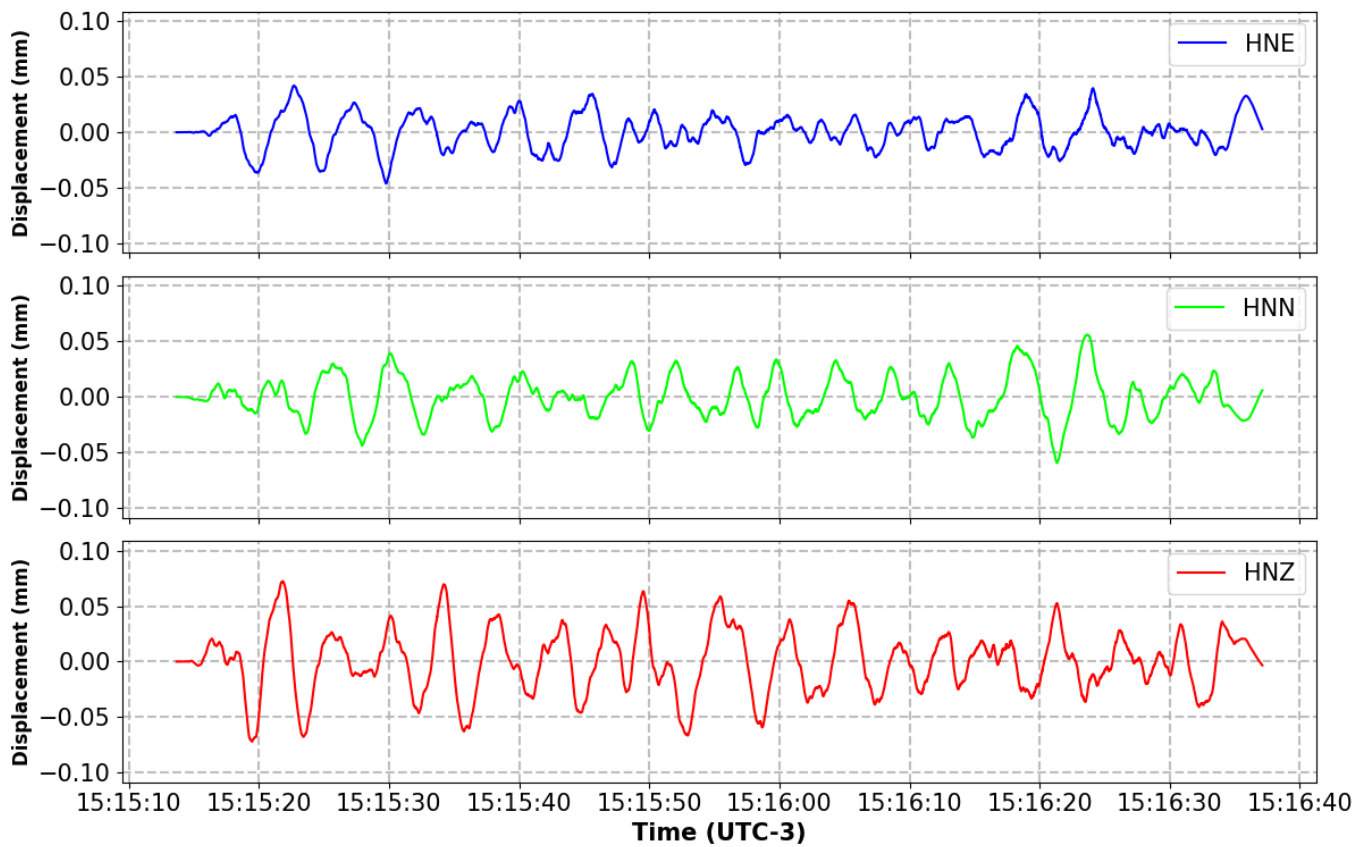
Peak particle acceleration trend - 2025-01-07



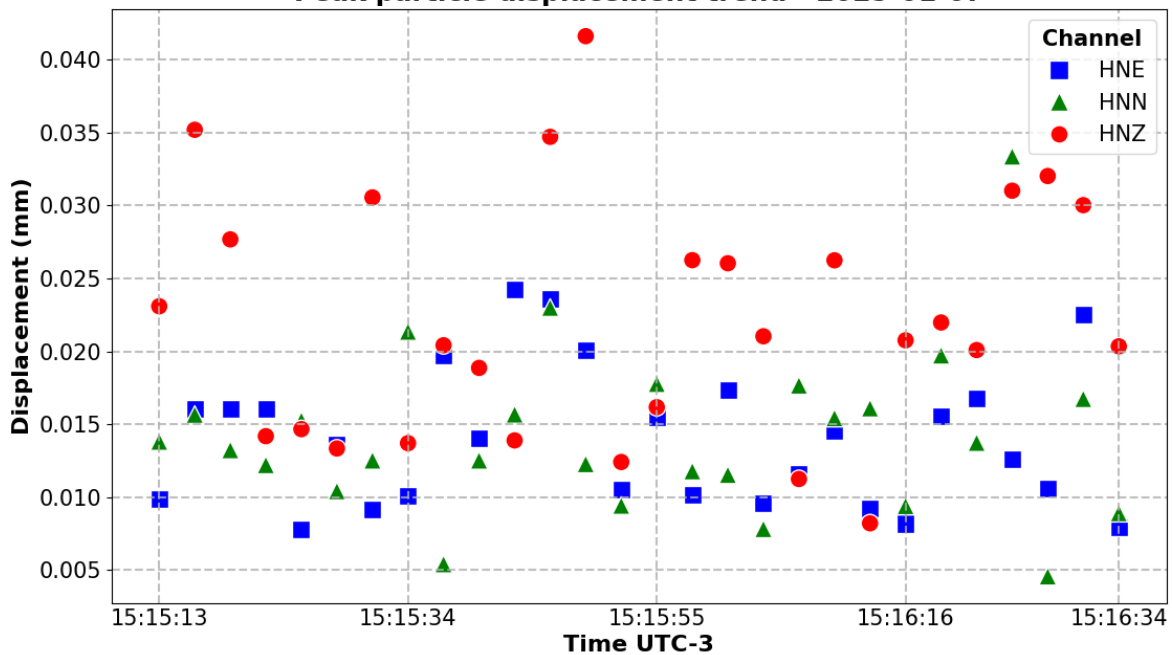
PARTICLE DISPLACEMENT ANALYSIS



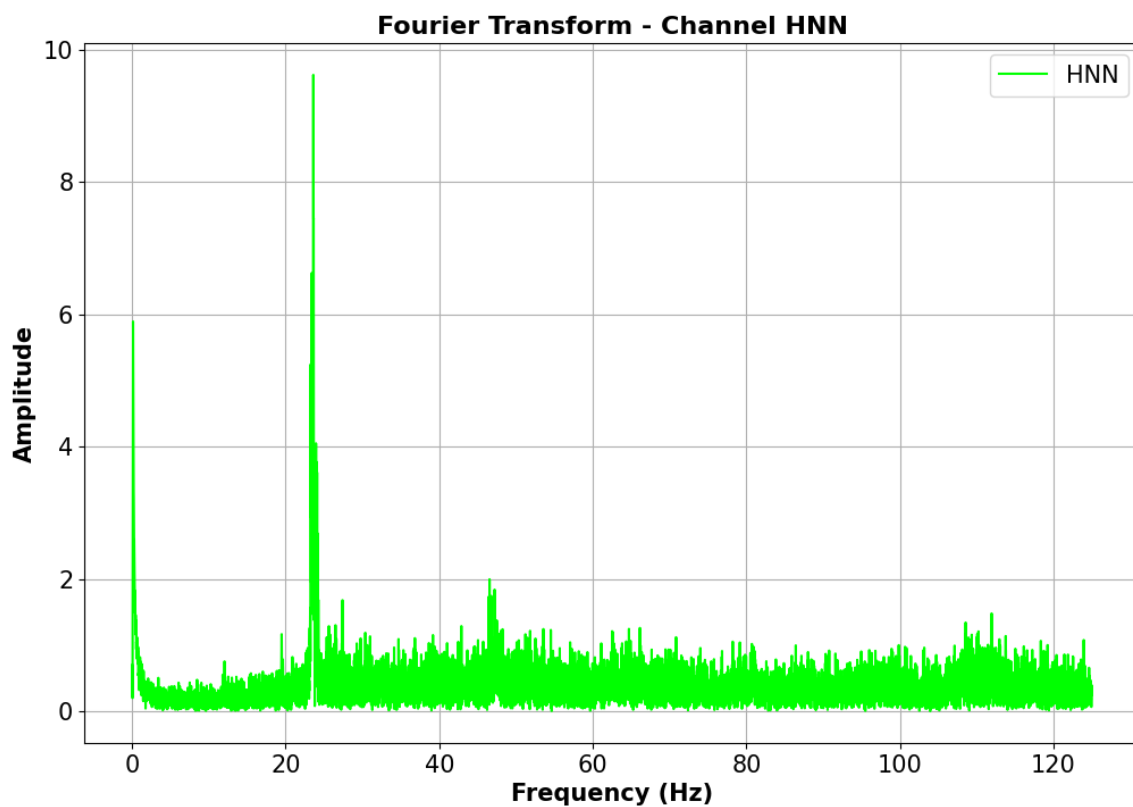
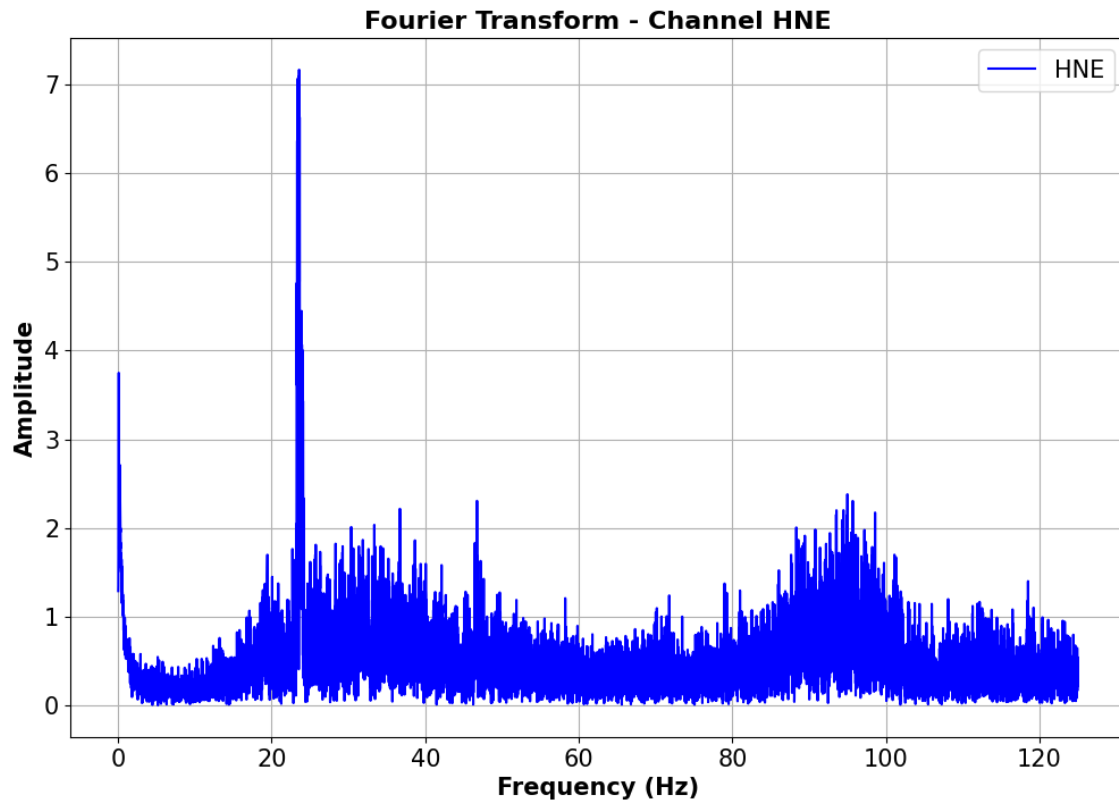
Signals over time (displacement)



Peak particle displacement trend - 2025-01-07



FAST FOURIER TRANSFORM (FFT)



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