

ANALYSIS REPORT



Date: 2025-03-27 UTC-5

Project: Vibração de Solo - Braskem

Data interval: 2025-01-07 15:53:56 to 2025-01-07 15:54:56 UTC-3

Client: AGILE - BRASKEM

Location: Maceió - AL

Notes:

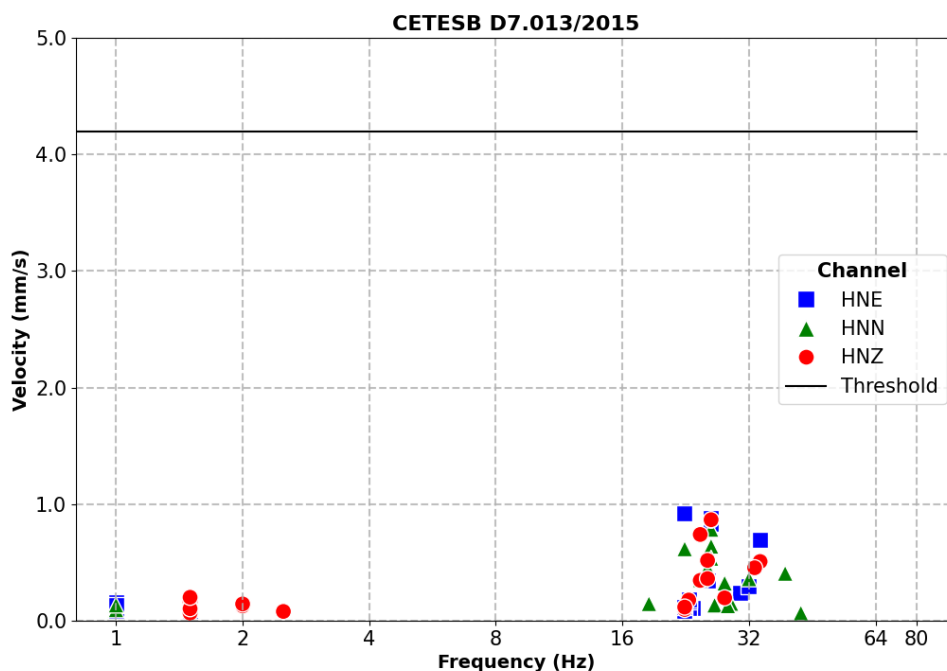
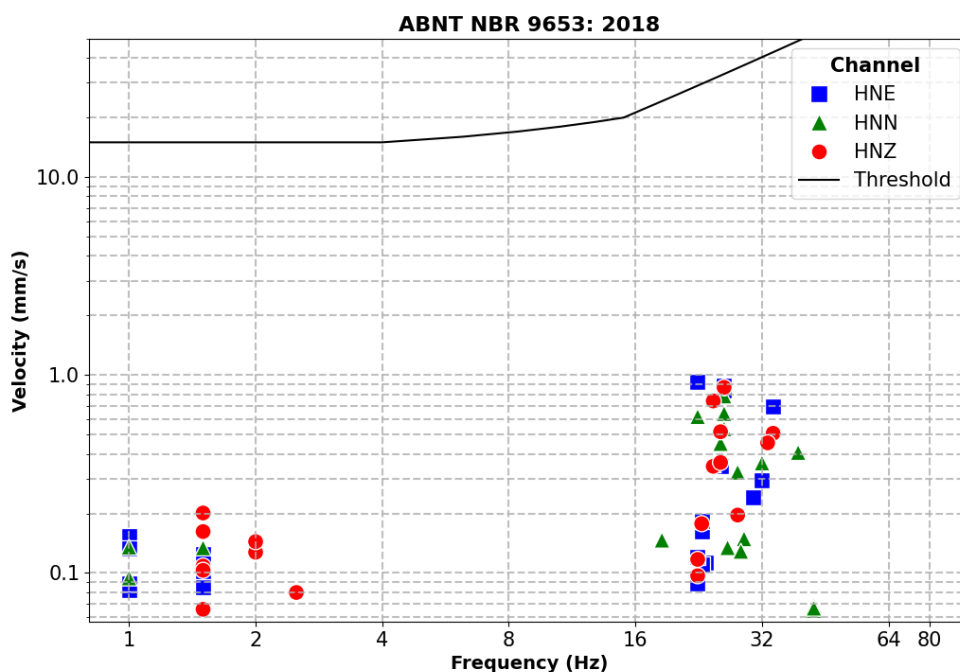
Continuos Vibration Data

	HNE	HNN	HNZ
PPA (g)	0.057	0.045	0.04
PPV (mm/s)	0.925	0.784	0.866
PPD (mm)	0.08	0.167	0.163
FREQ (Hz)	22.5	26.0	26.0

Sample Rate: 250 Hz

Window Size: 3.0 seg

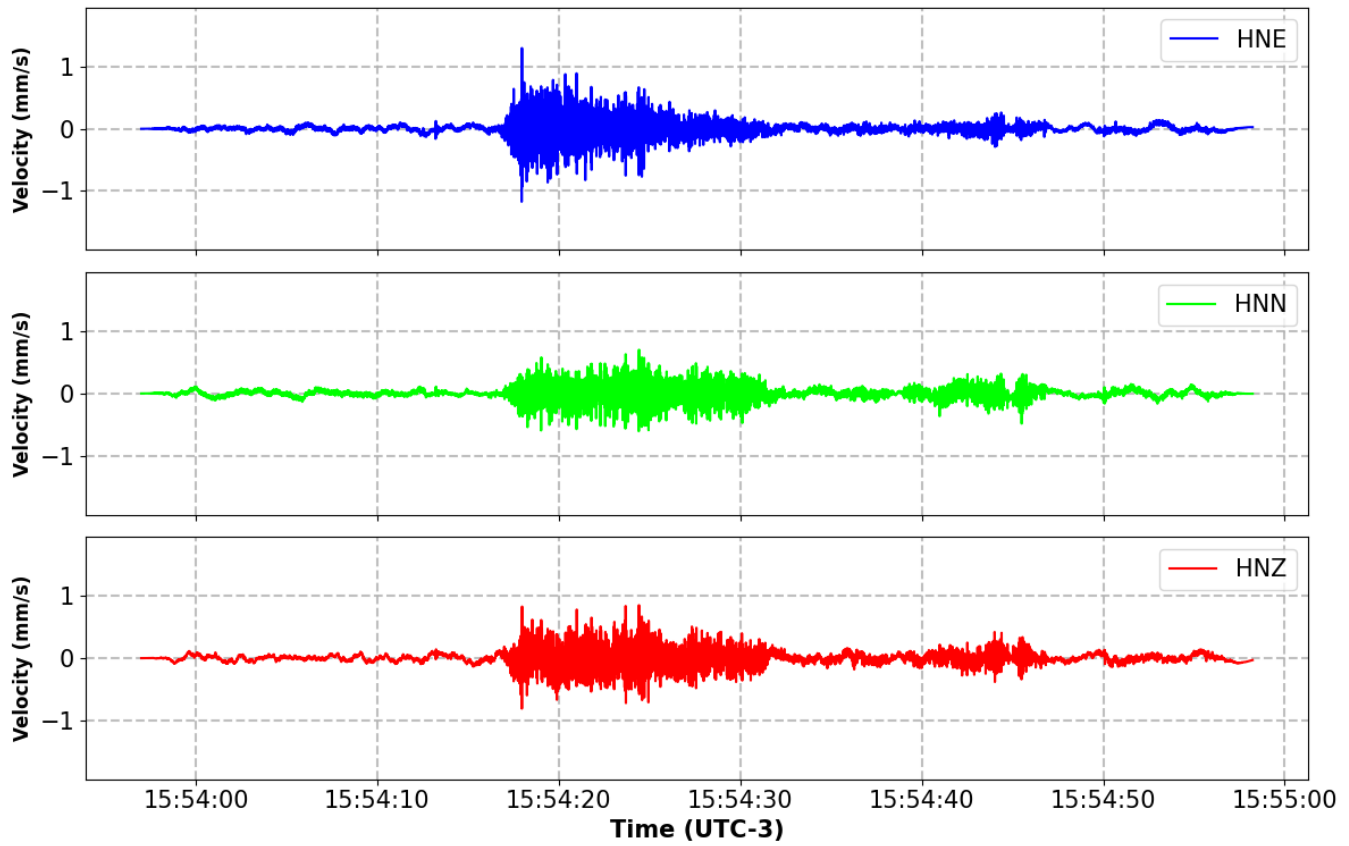
Serial: ME 379



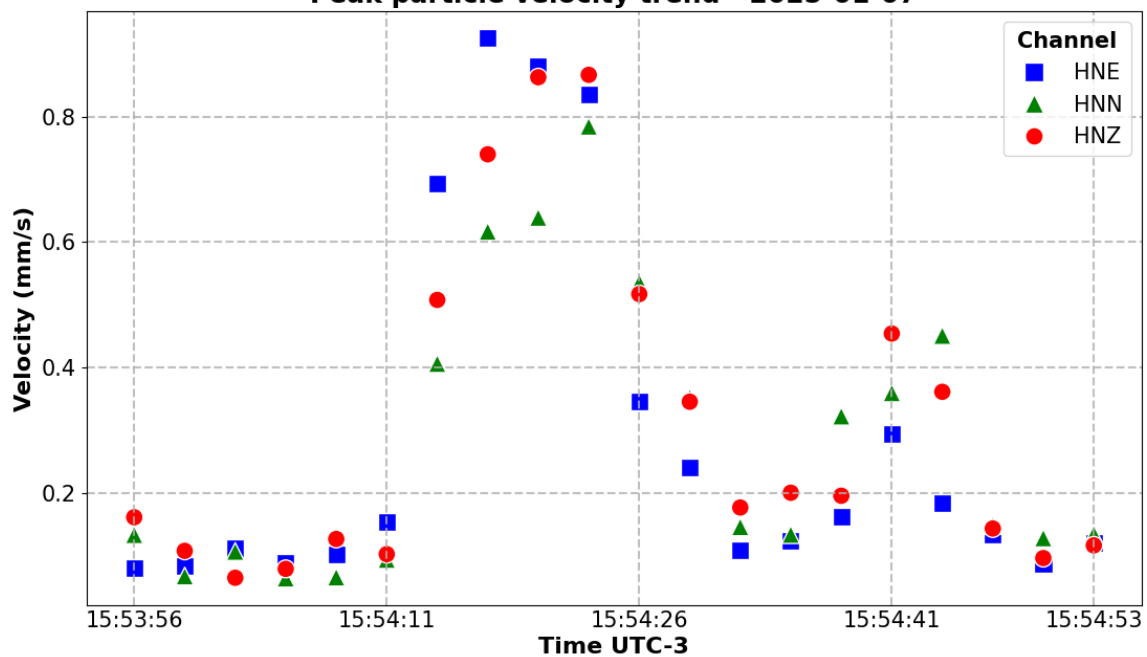
PARTICLE VELOCITY ANALYSIS



Signals over time (velocity)



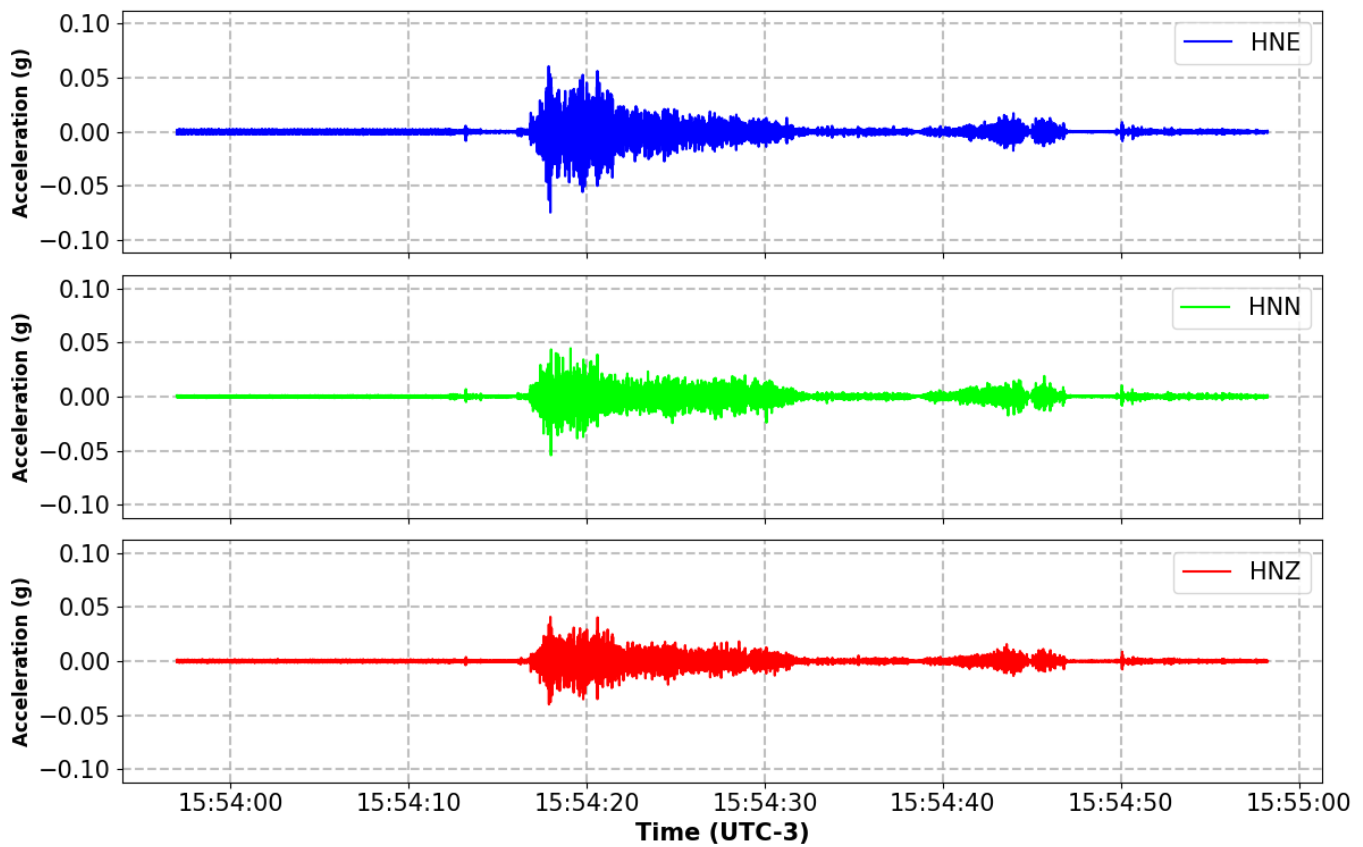
Peak particle velocity trend - 2025-01-07



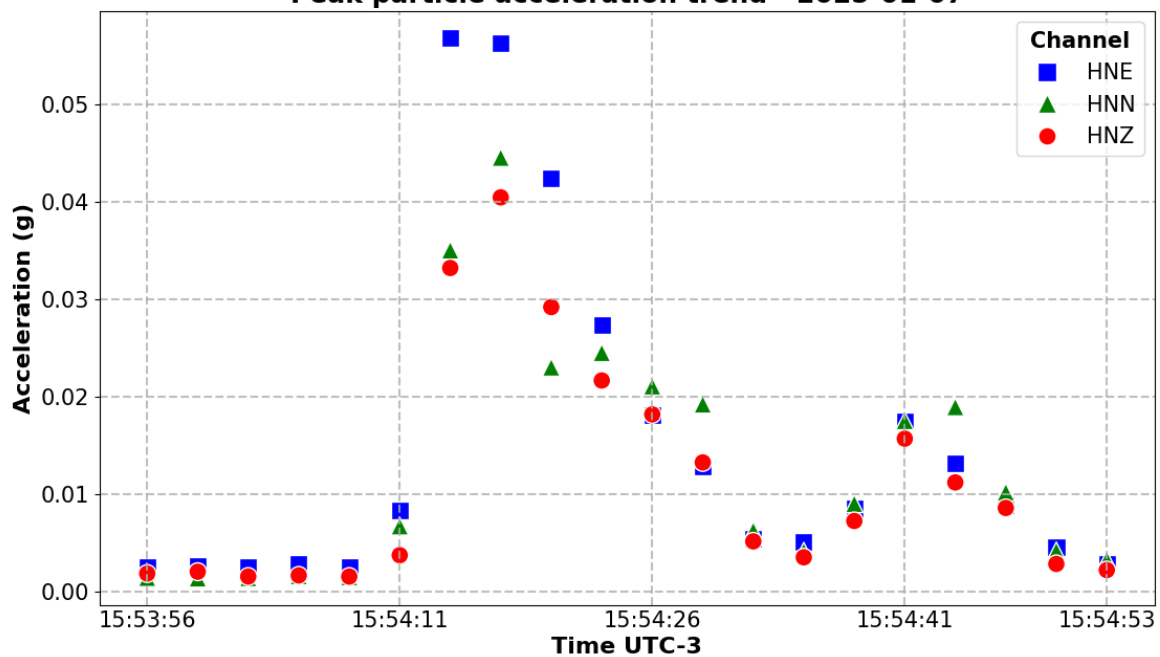
PARTICLE ACCELERATION ANALYSIS



Signals over time (acceleration)



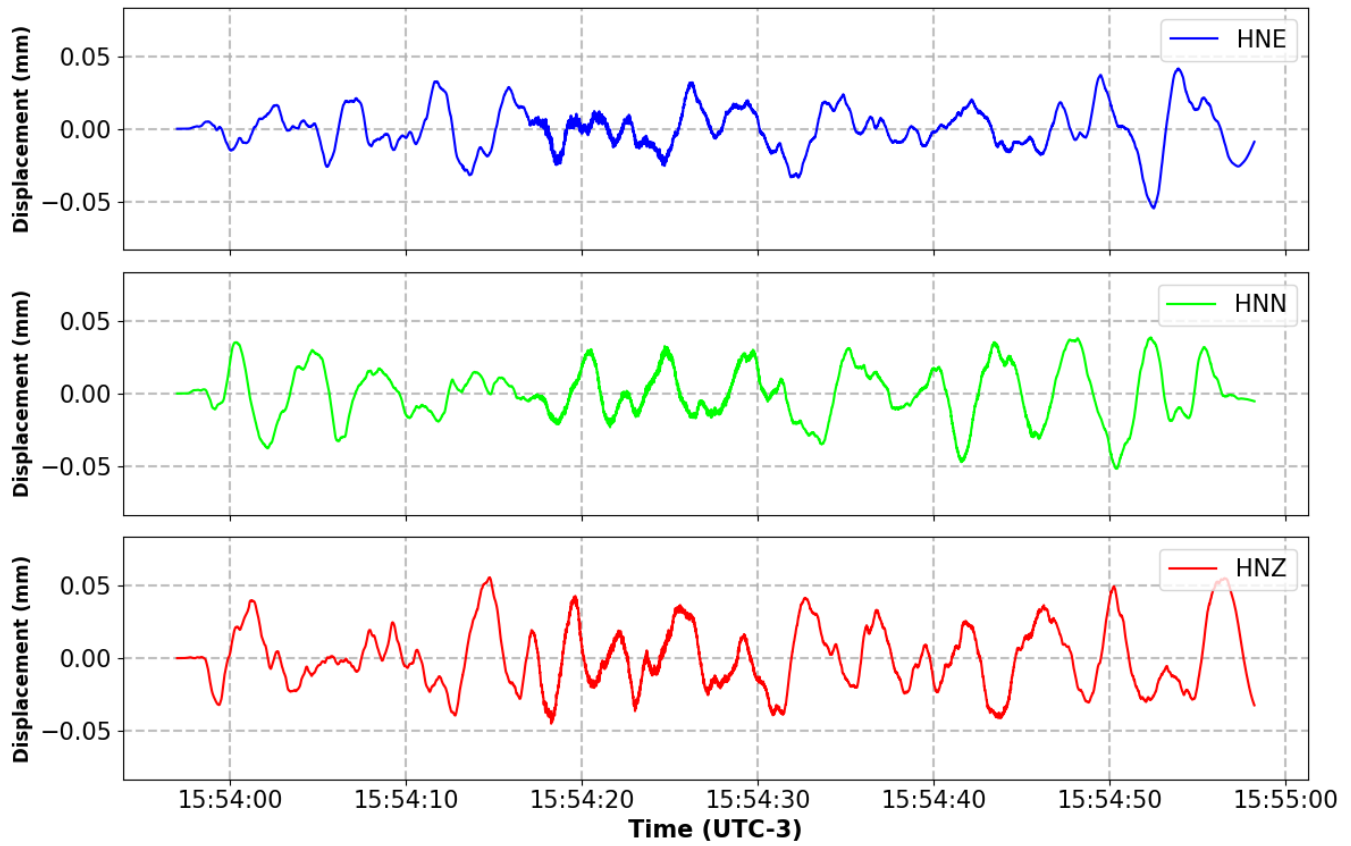
Peak particle acceleration trend - 2025-01-07



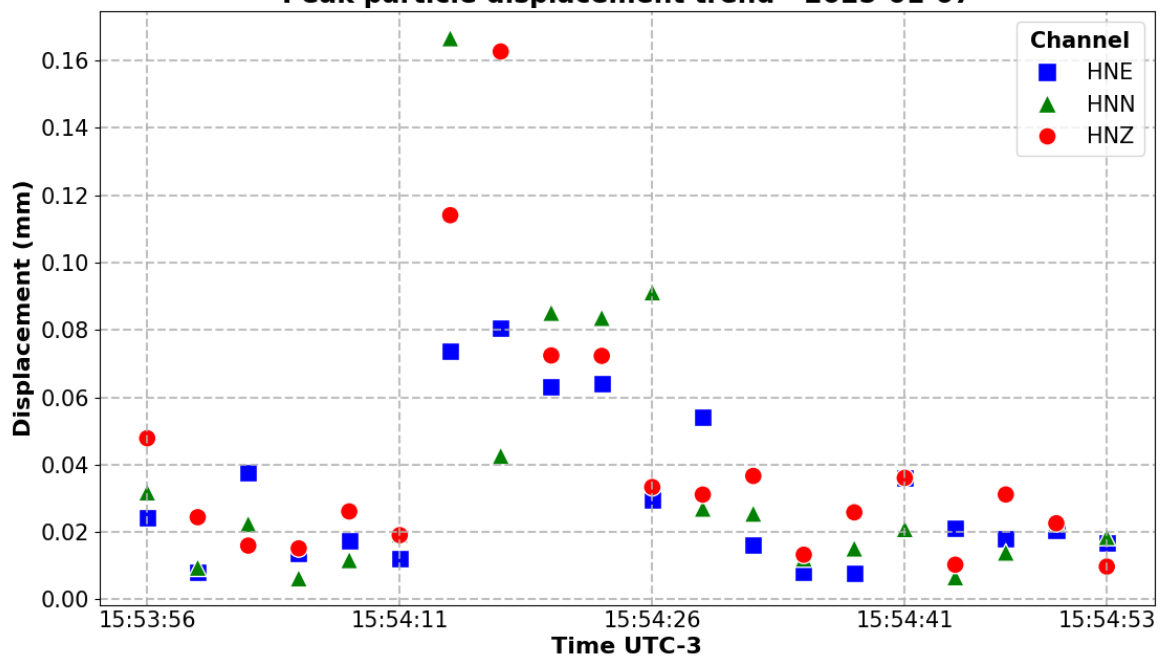
PARTICLE DISPLACEMENT ANALYSIS



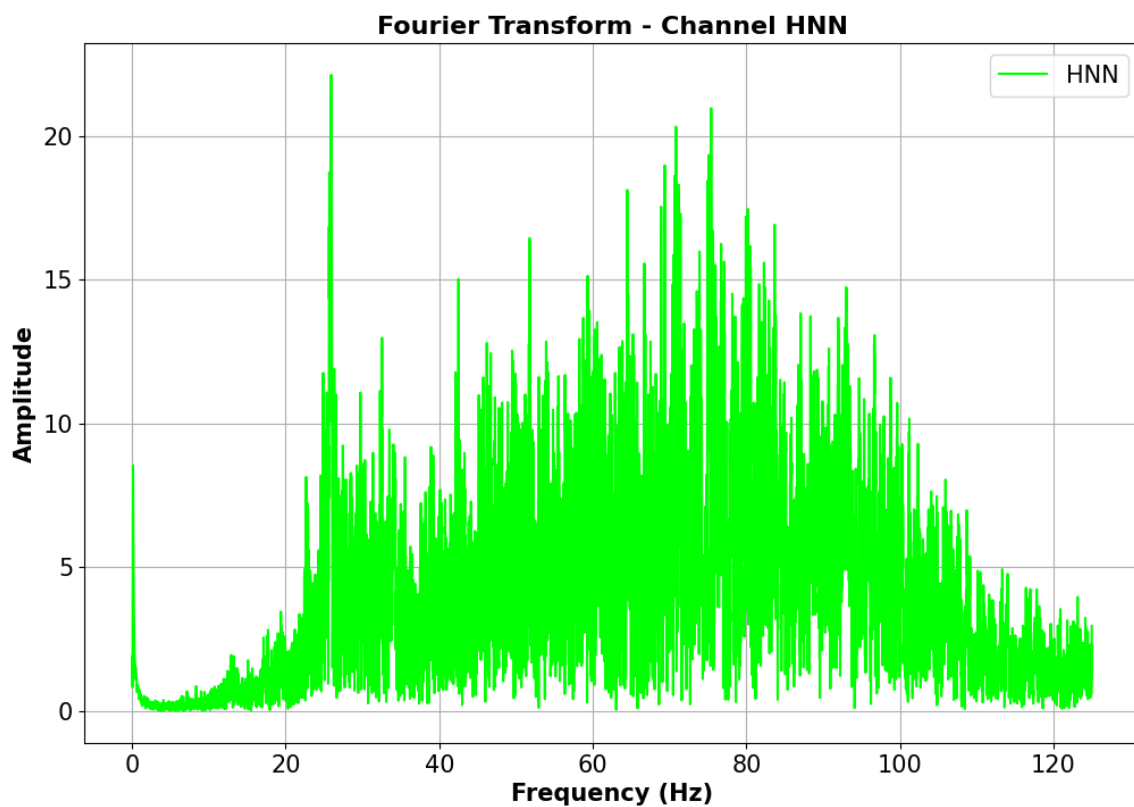
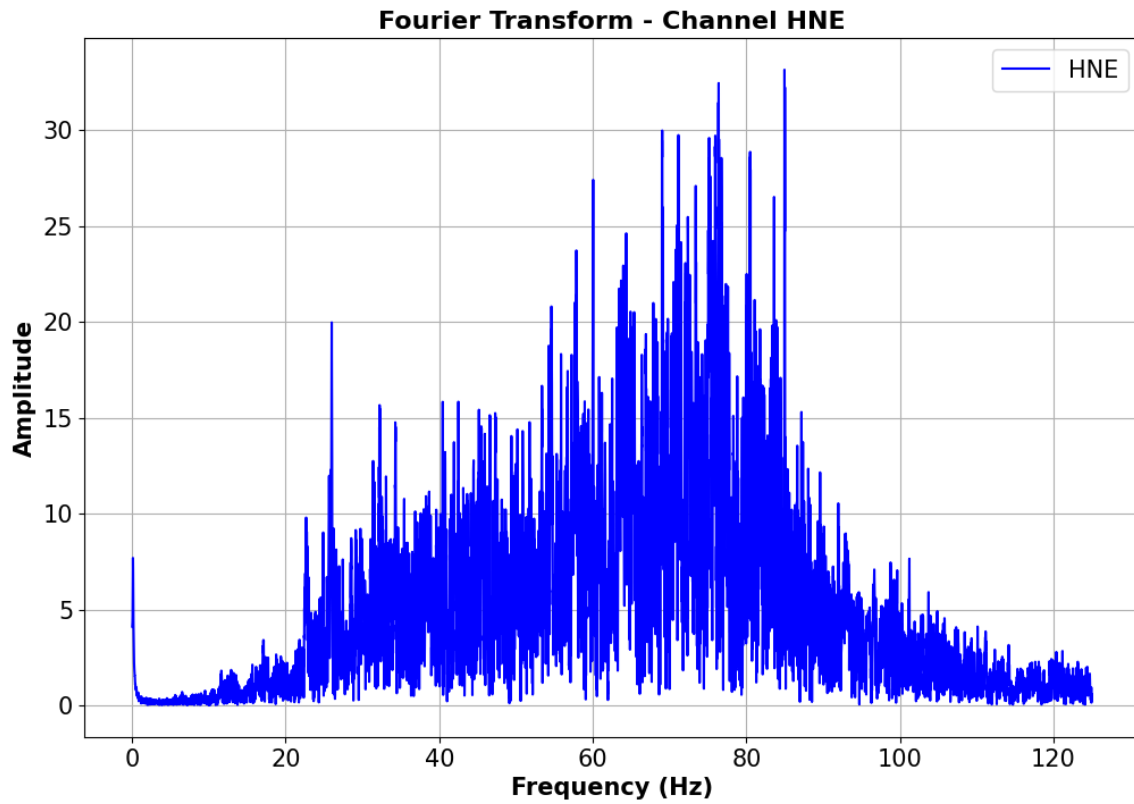
Signals over time (displacement)



Peak particle displacement trend - 2025-01-07



FAST FOURIER TRANSFORM (FFT)



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