

ANALYSIS REPORT



Date: 2025-03-26 UTC-5

Project: Vibração de Solo - Braskem

Data interval: 2025-01-06 09:00:00 to 2025-01-06 10:00:00 UTC-3

Client: AGILE - BRASKEM

Location: Maceió - AL

Notes:

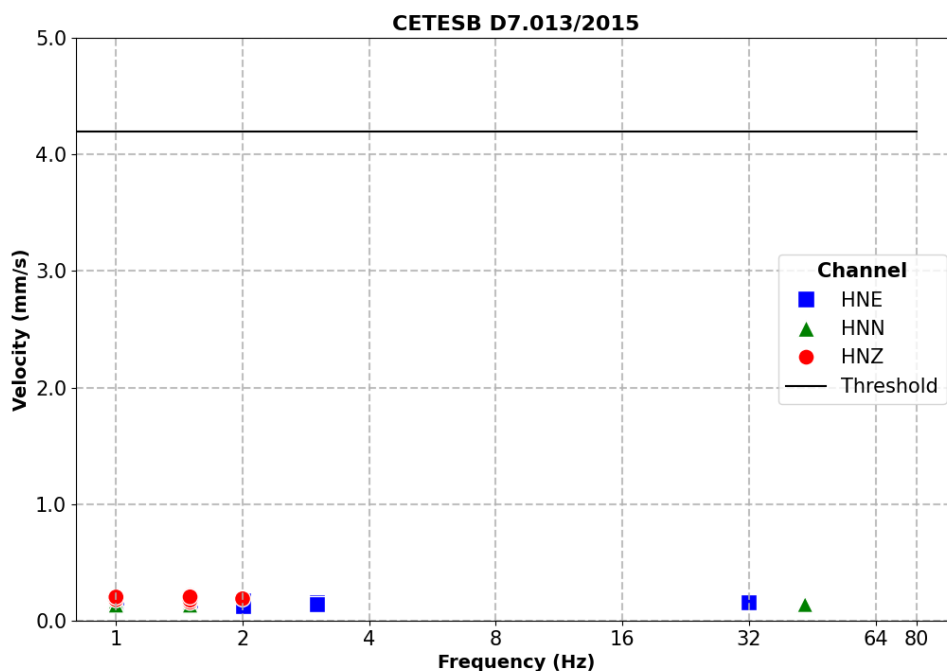
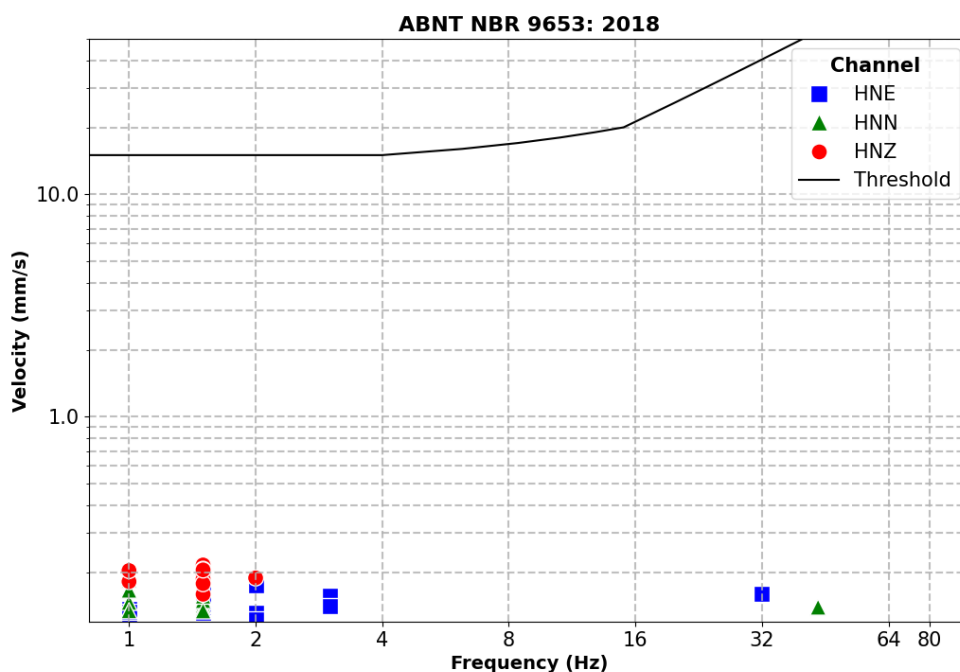
Continuos Vibration Data

	HNE	HNN	HNZ
PPA (g)	0.005	0.009	0.003
PPV (mm/s)	0.175	0.185	0.215
PPD (mm)	0.076	0.076	0.104
FREQ (Hz)	2.0	1.0	1.5

Sample Rate: 250 Hz

Window Size: 5 min

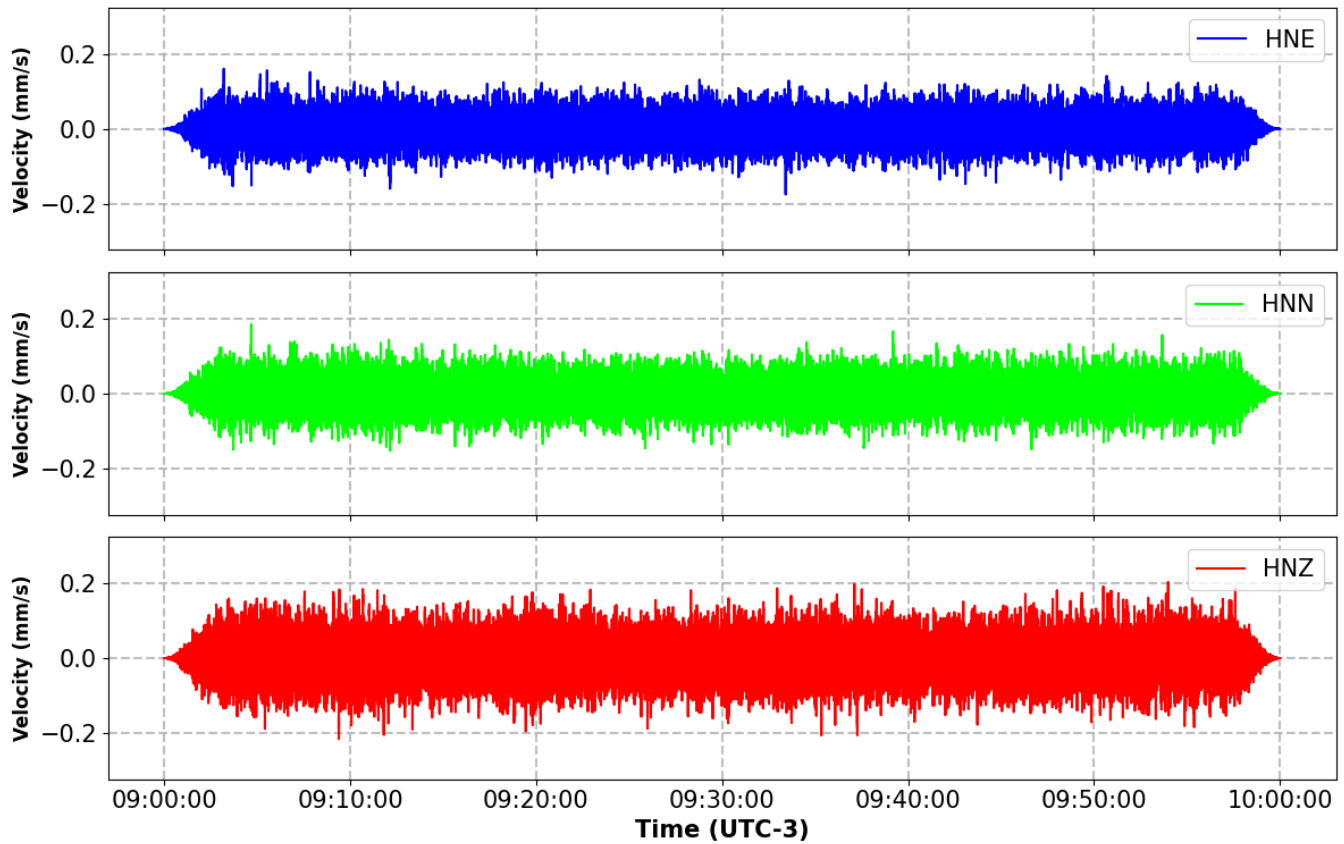
Serial: ME 379



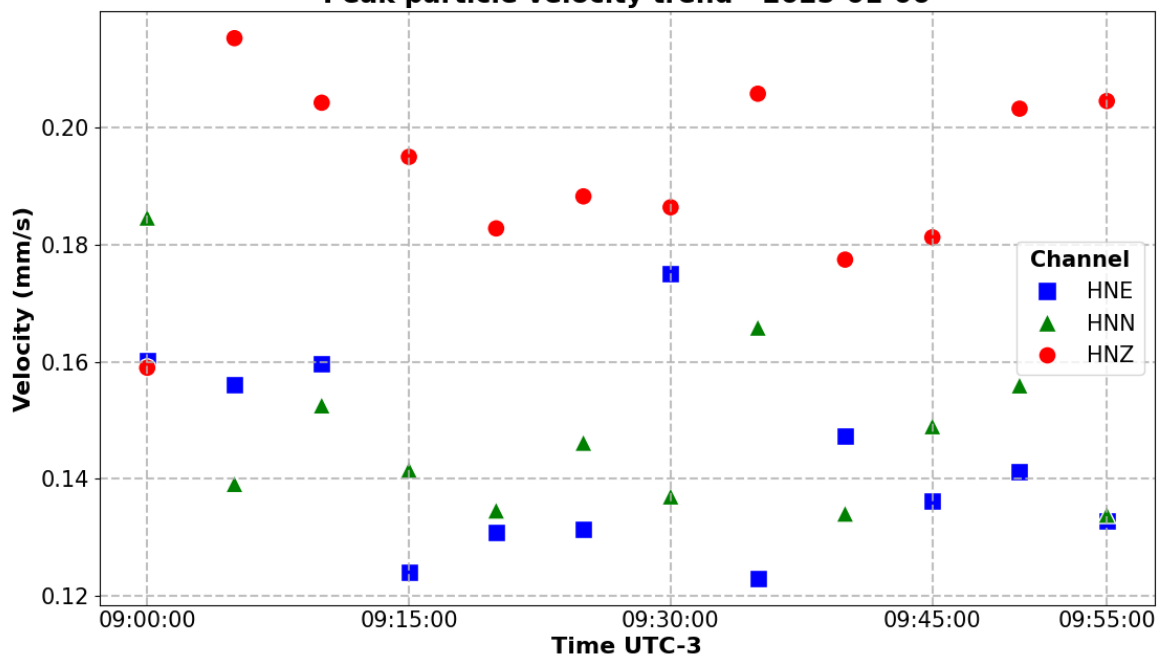
PARTICLE VELOCITY ANALYSIS



Signals over time (velocity)



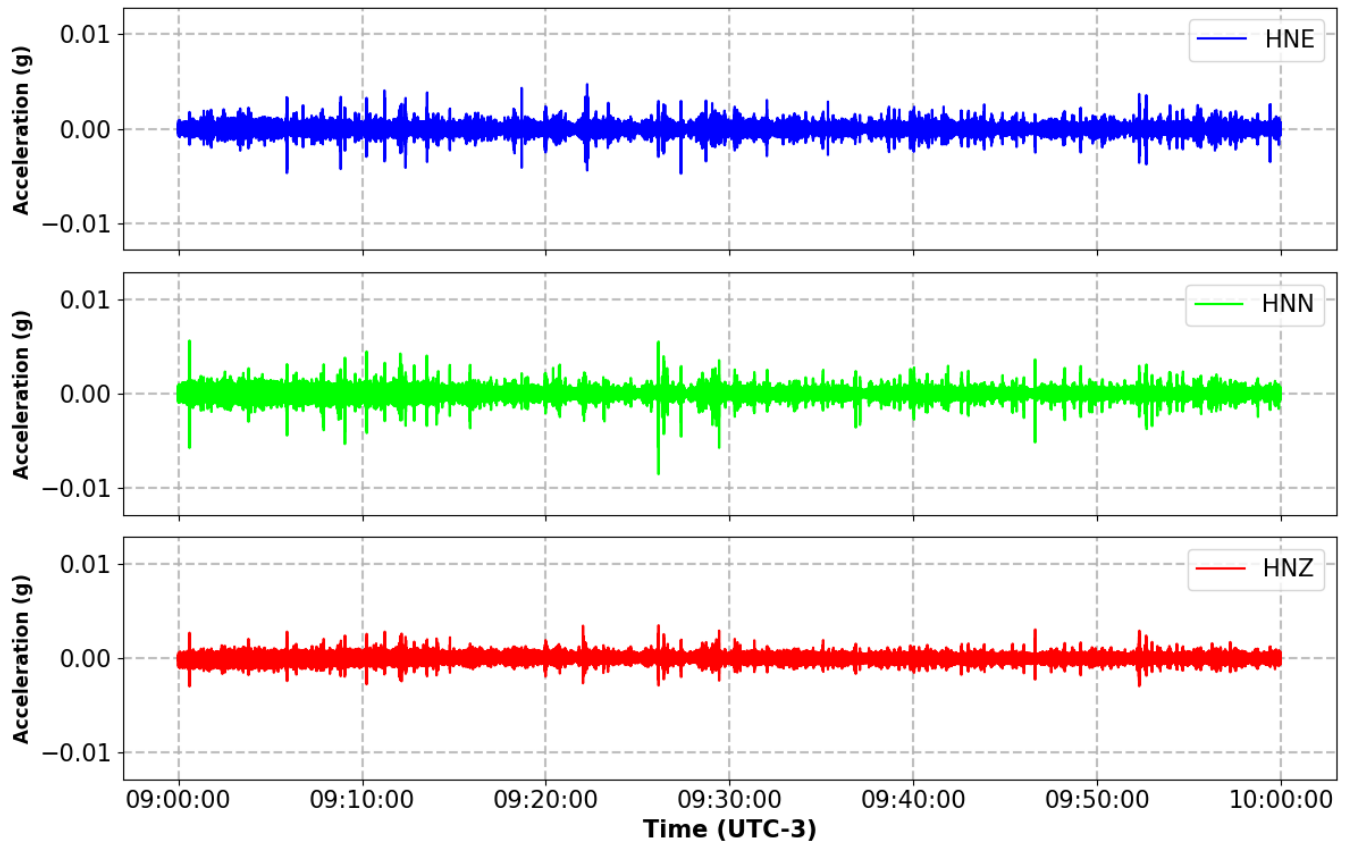
Peak particle velocity trend - 2025-01-06



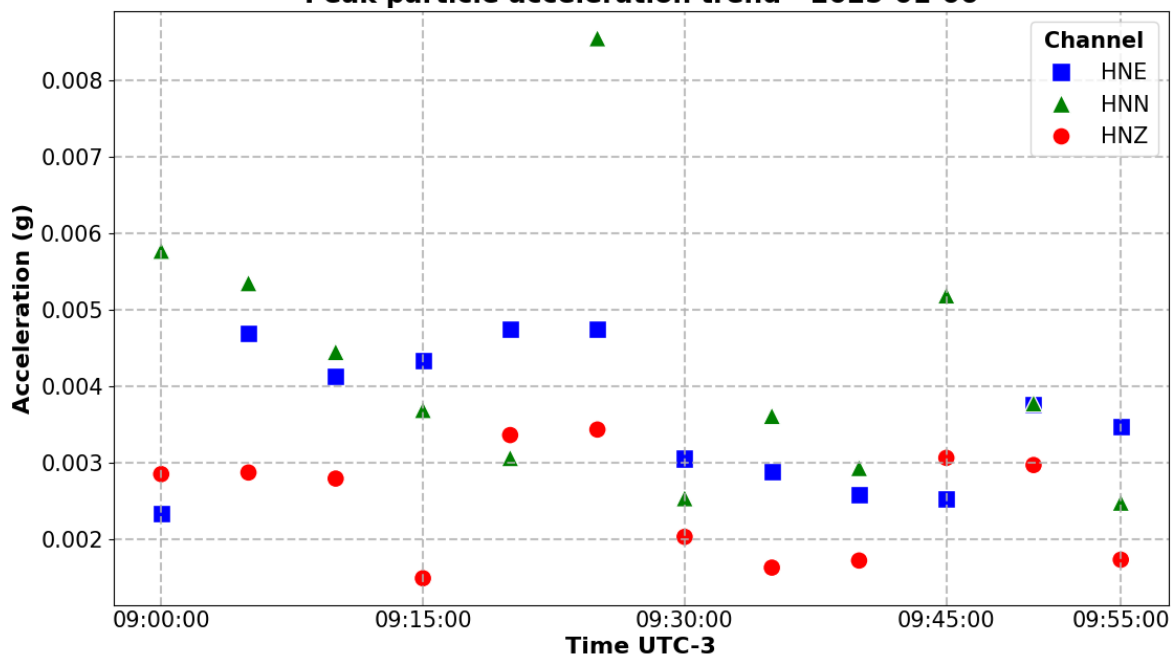
PARTICLE ACCELERATION ANALYSIS



Signals over time (acceleration)



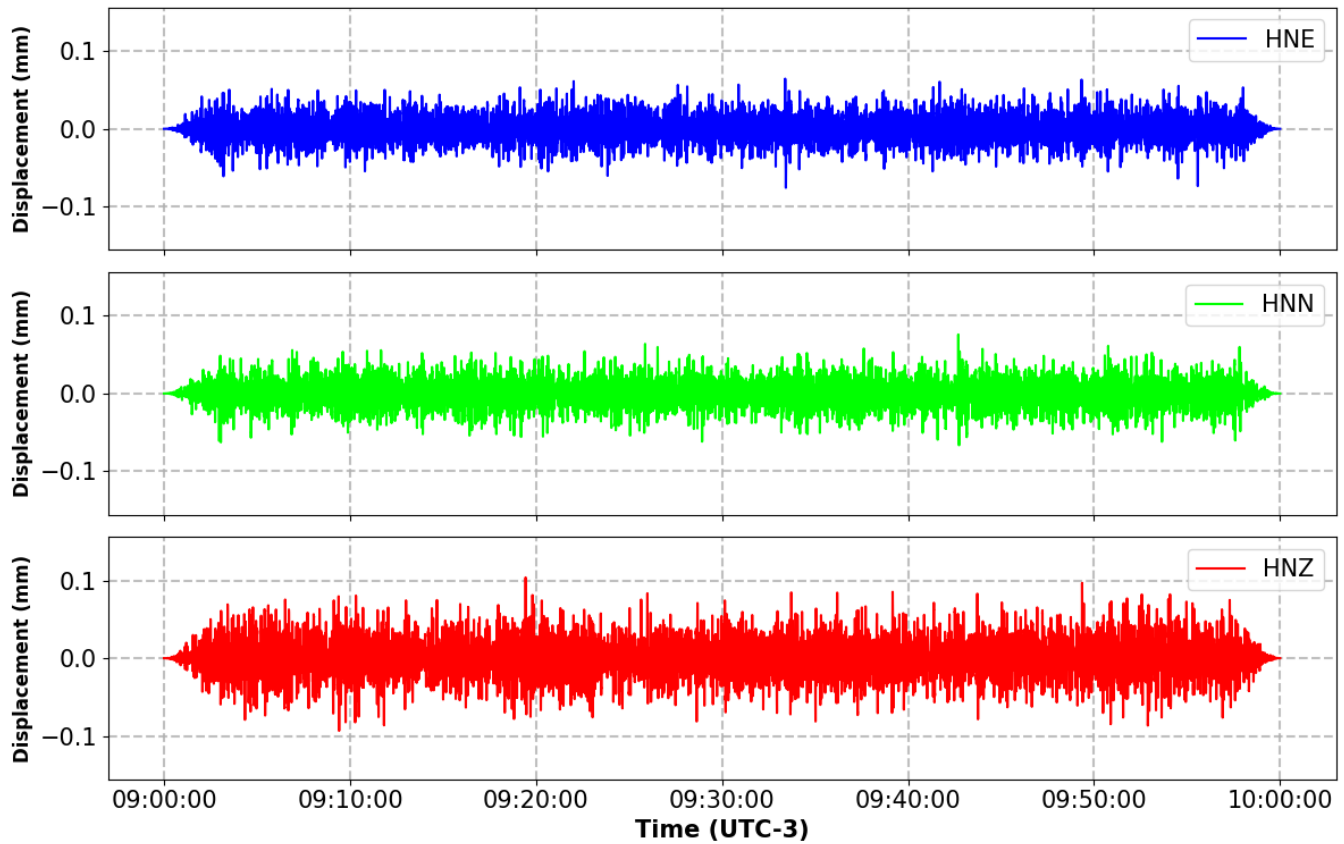
Peak particle acceleration trend - 2025-01-06



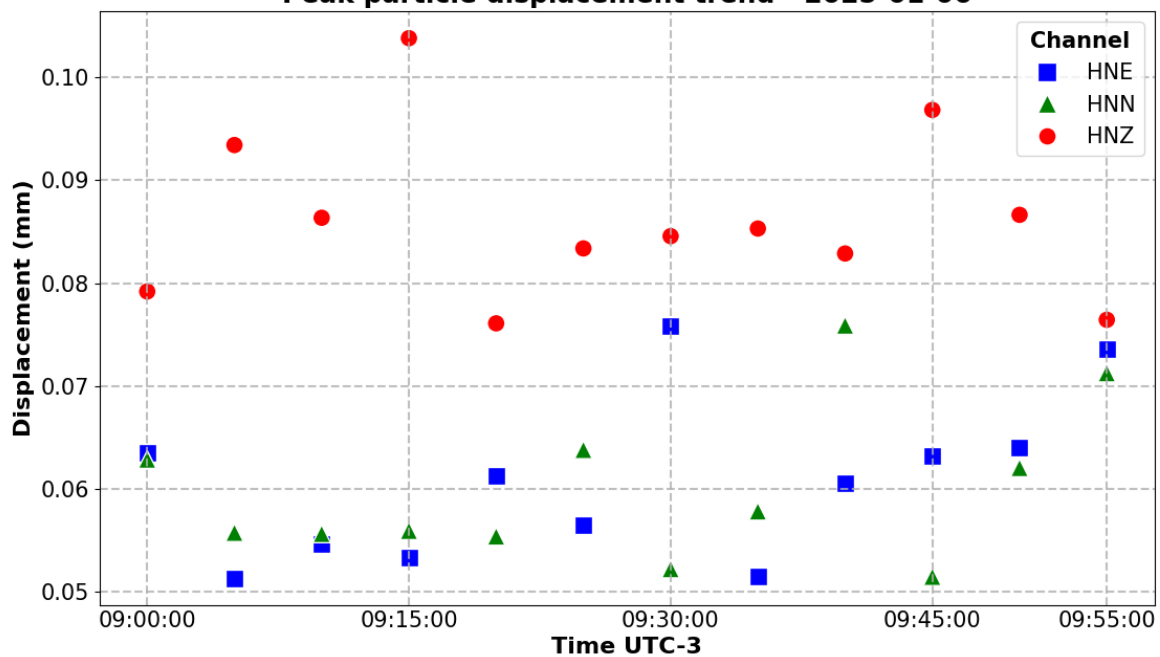
PARTICLE DISPLACEMENT ANALYSIS



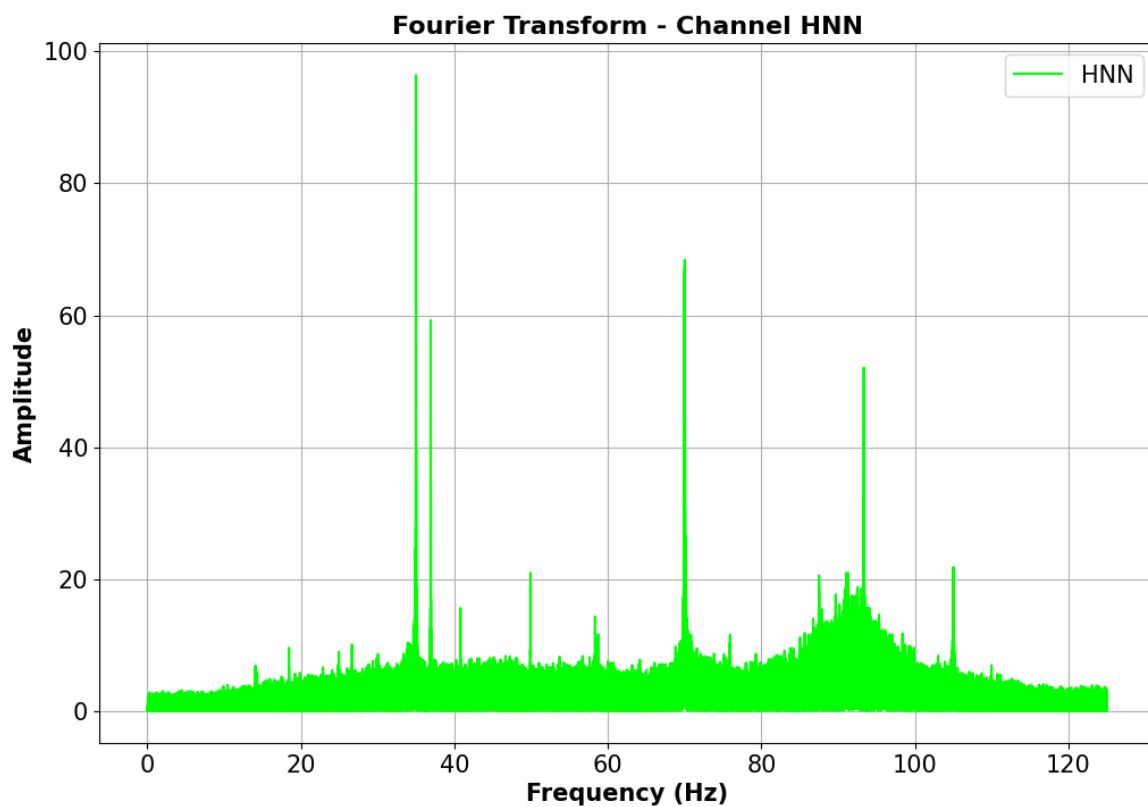
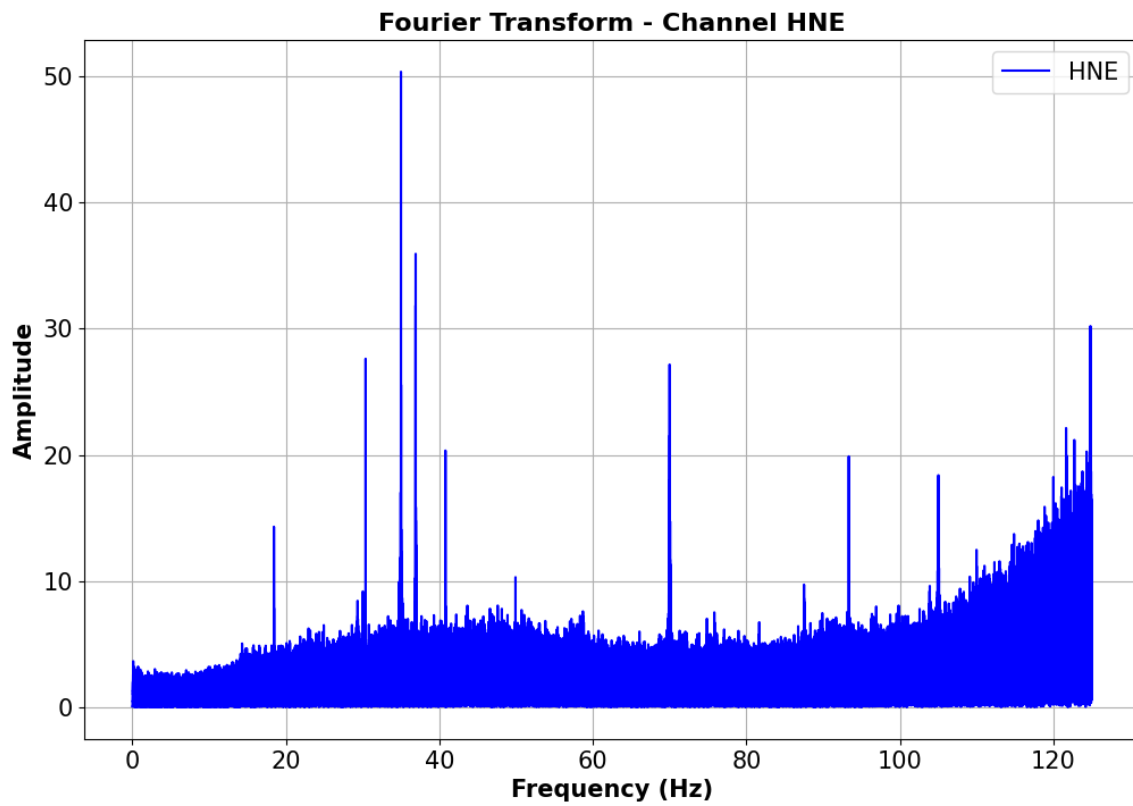
Signals over time (displacement)



Peak particle displacement trend - 2025-01-06



FAST FOURIER TRANSFORM (FFT)



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