

HydroPhase Analysis Report

File: analysis_1764891325692
Date: 05.12.2025, 01:35:25

Signal Characteristics

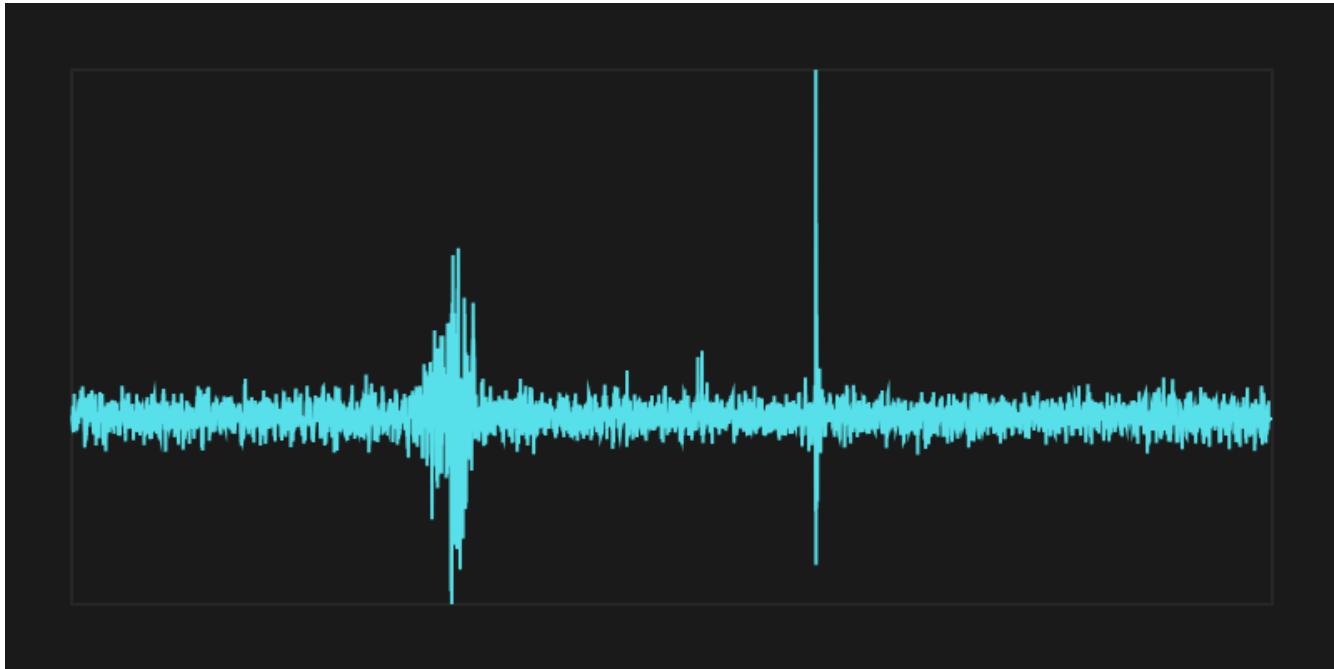
Sampling_rate: 8000
Num_channels: 1
Bit_depth: 16
Signal_length_seconds: 10.342
Num_samples: 82738
File_size_bytes: 165520
Max_amplitude: 0.97656
Avg_amplitude: 0.02925

Phase Statistics

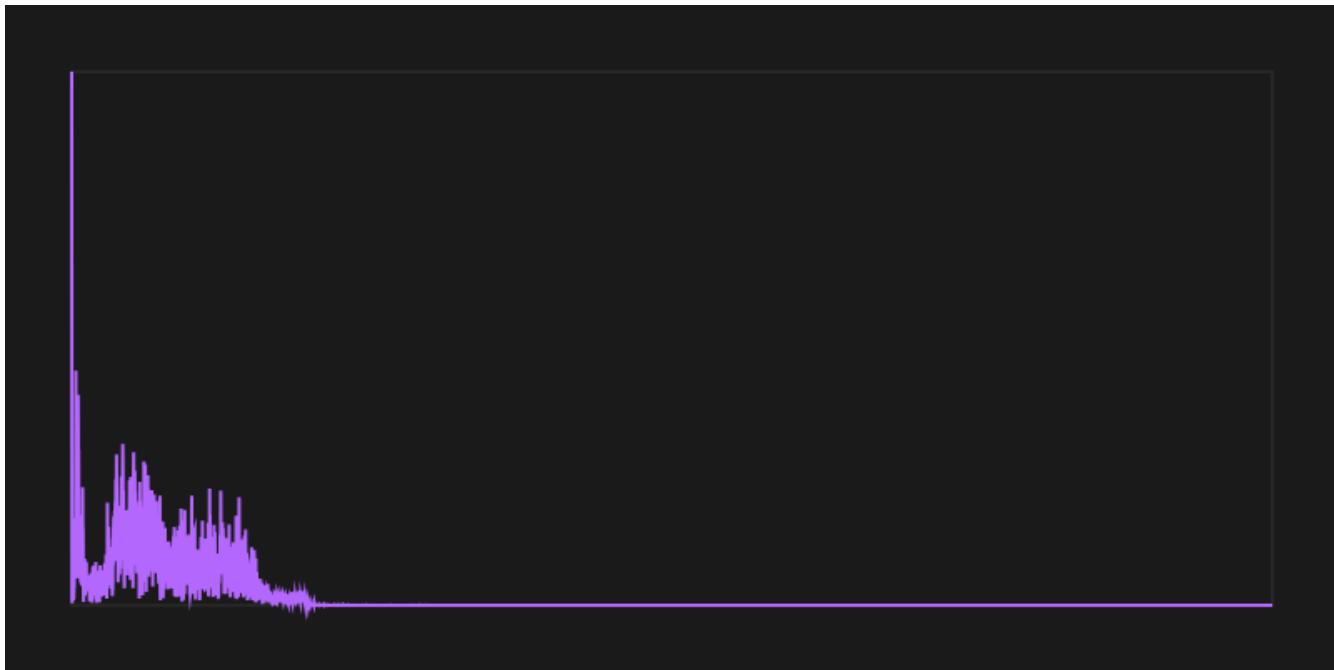
Mean_phase: 0.0077
Phase_variance: 3.4026
Coherence: N/A
Phase_entropy: 3.581
Circular_mean: 3.0554
Circular_variance: 0.9752
Amplitude_weighted_average: 0.0321
Phase_transition_count: 783

Visual Analysis

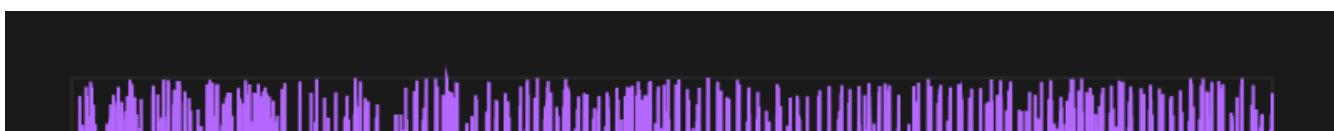
Oscillogram



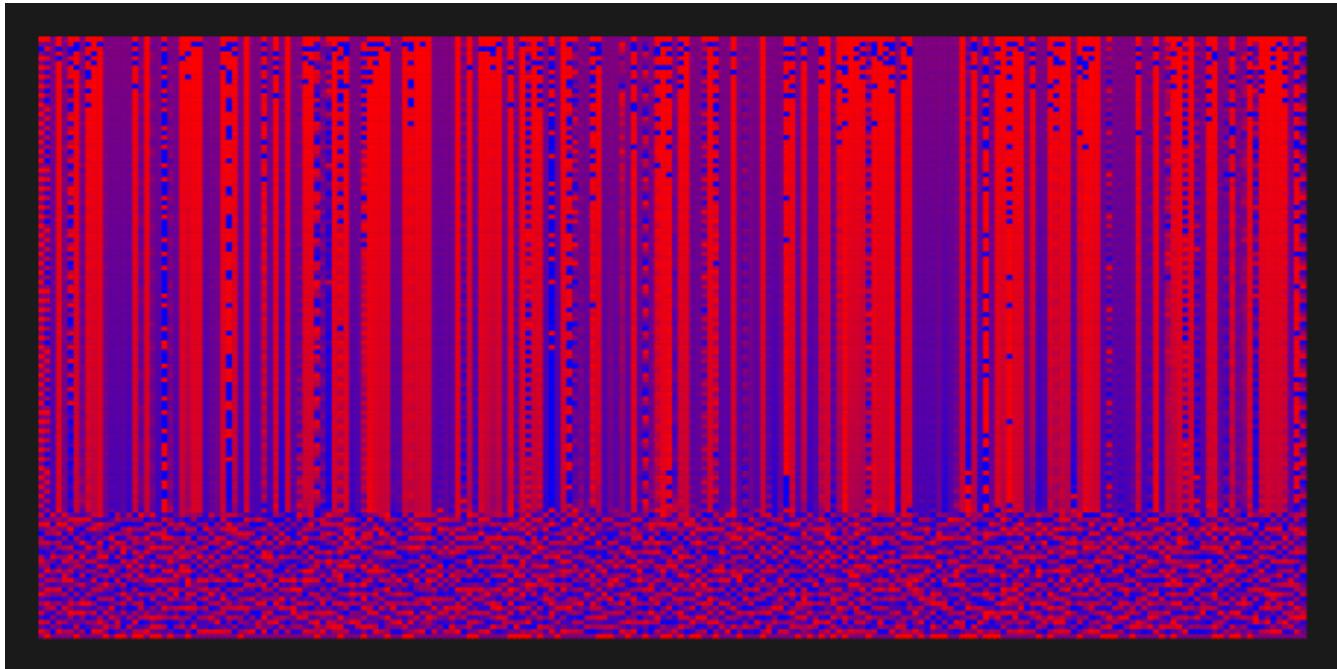
Amplitude Spectrum



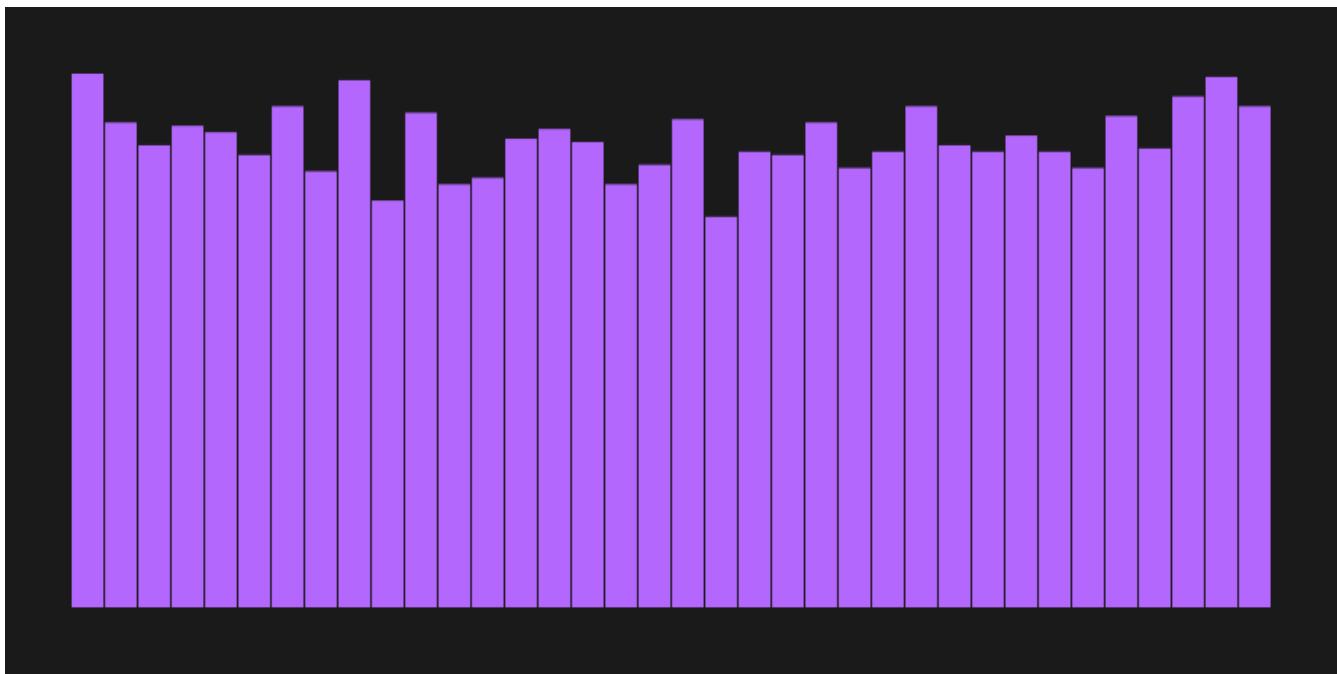
Phase Spectrum



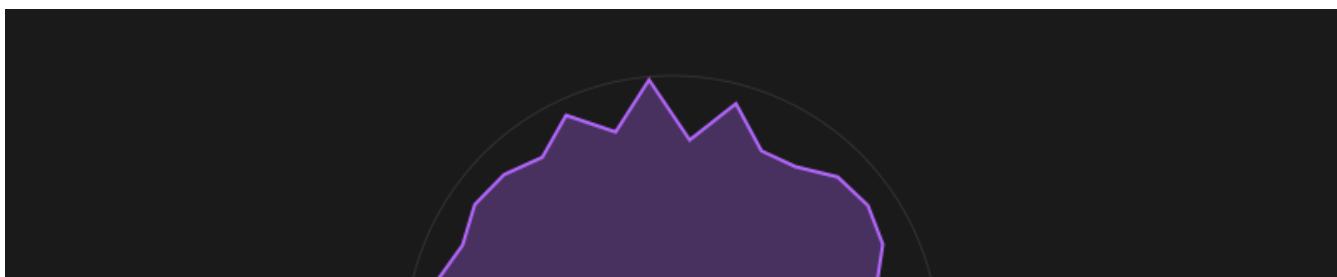
Phasegram



Phase Histogram



Rose Plot



Coherence

Coherence: N/A (Mono Signal)