

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

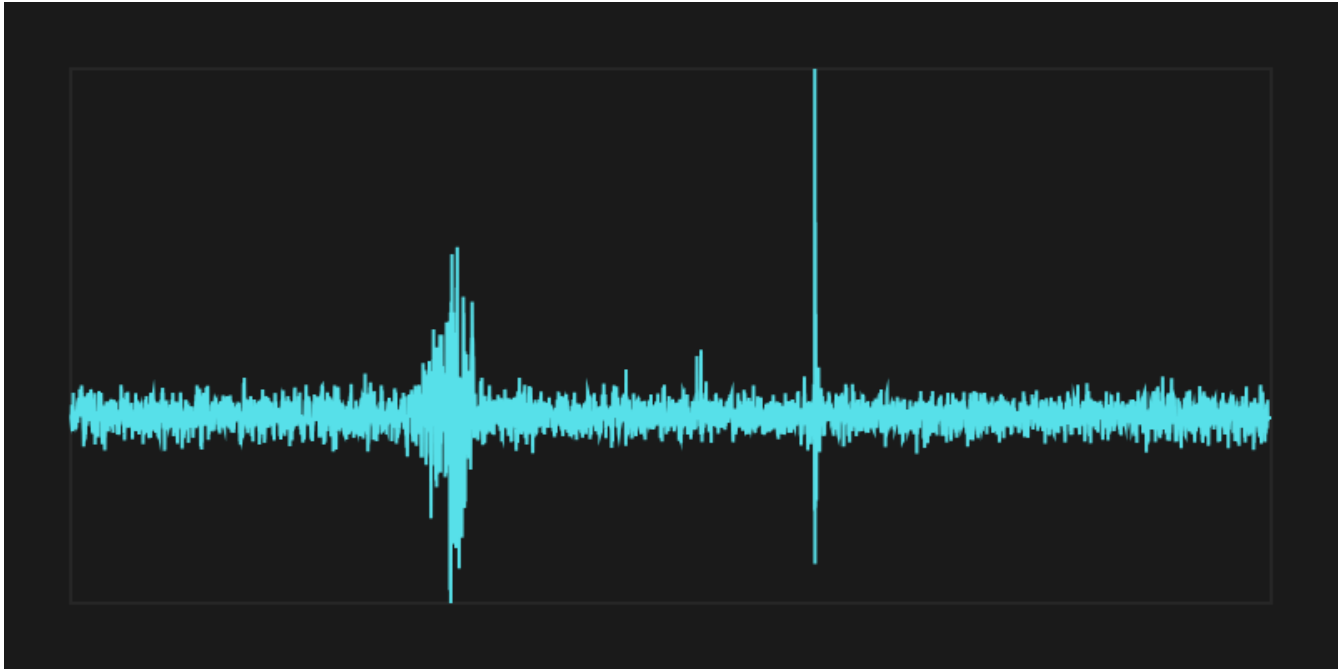
Circular_variance: 0.9752

Amplitude_weighted_average: 0.0321

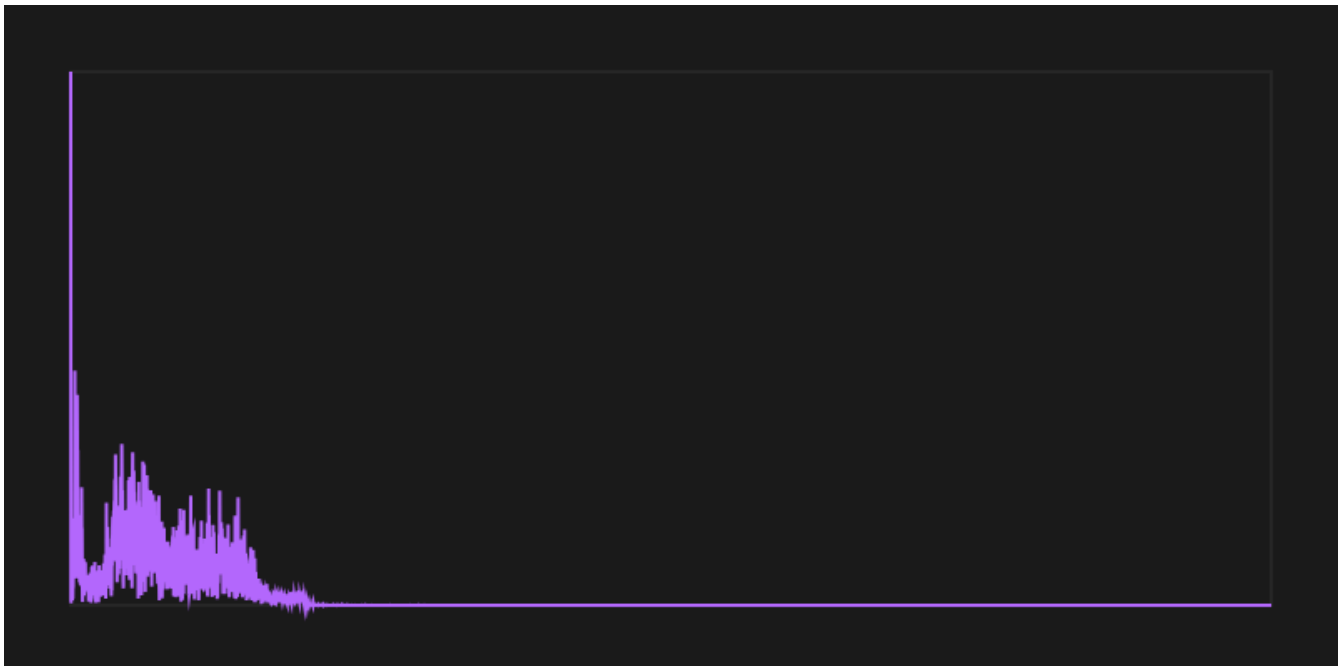
Phase_transition_count: 783

Visual Analysis

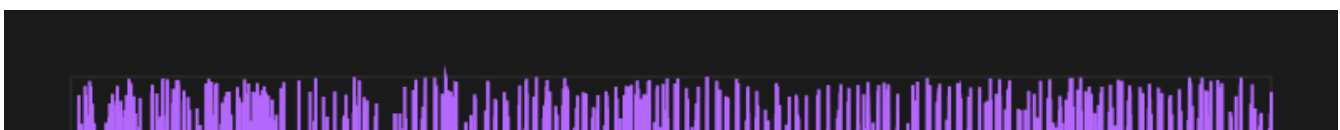
Oscillogram



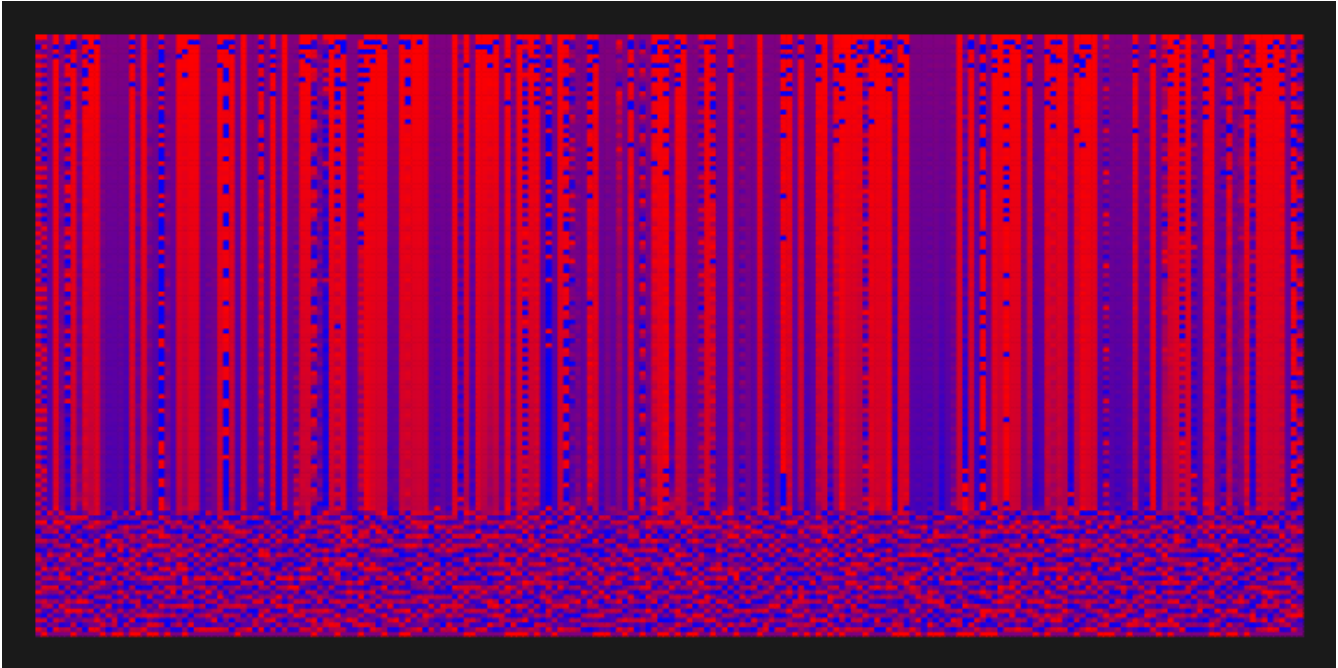
Amplitude Spectrum



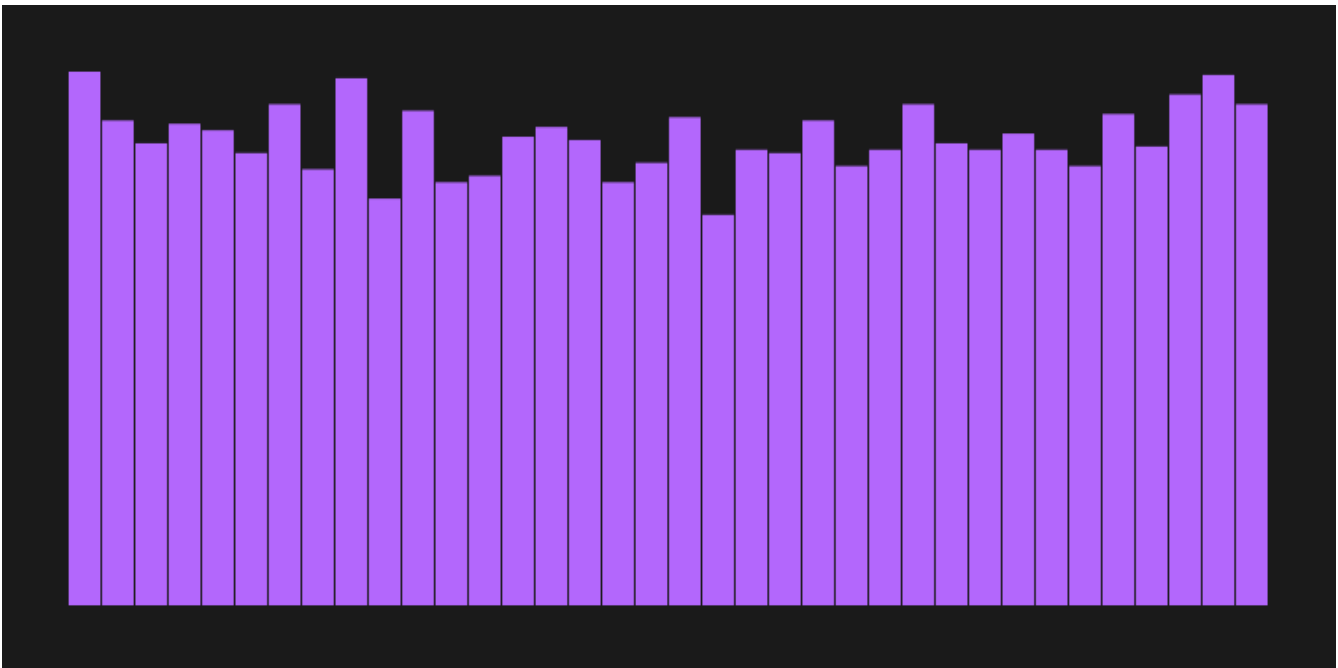
Phase Spectrum



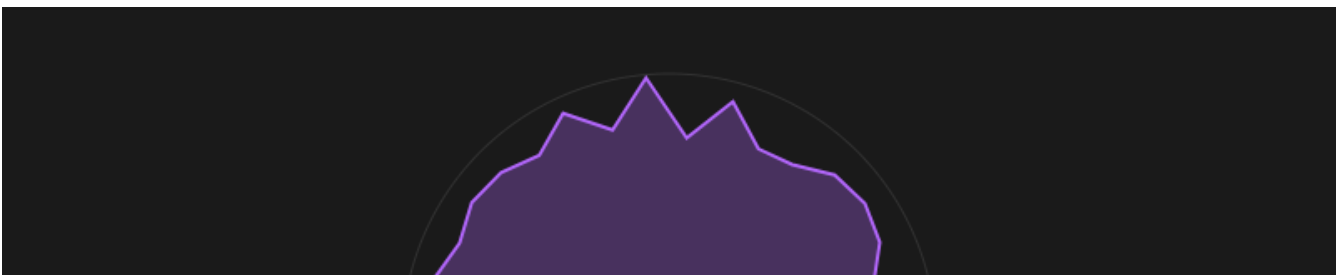
Phasegram



Phase Histogram



Rose Plot



Coherence

Coherence: N/A (Mono Signal)