

HydroPhase Analysis Report

File: whale_noice_analysis
Date: 05.12.2025, 02:35:40

Signal Characteristics

Sampling_rate: 8000
Num_channels: 1
Bit_depth: 16
Signal_length_seconds: 24
Num_samples: 192000
File_size_bytes: 384044
Max_amplitude: 0.97653
Avg_amplitude: 0.13011

Phase Statistics

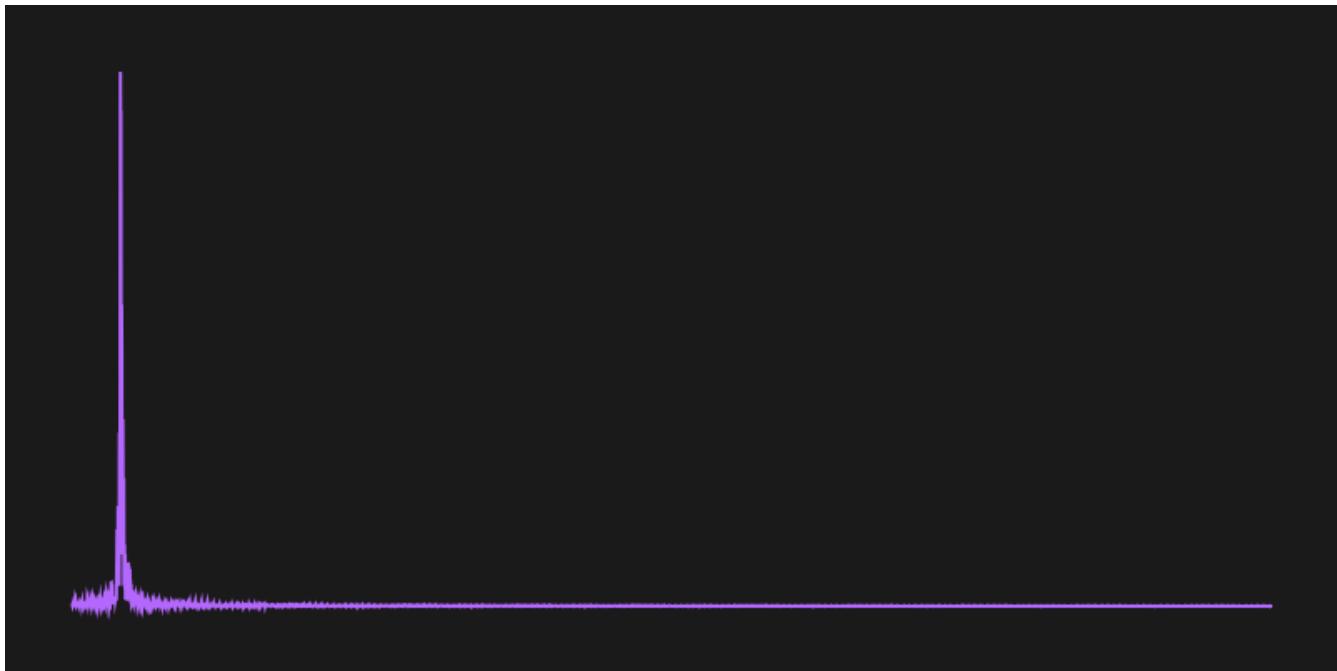
Mean_phase: 0.0257
Phase_variance: 3.3093
Coherence: N/A
Phase_entropy: 3.5819
Circular_mean: 2.0069
Circular_variance: 0.9859
Amplitude_weighted_average: -0.0748
Phase_transition_count: 2992

Visual Analysis

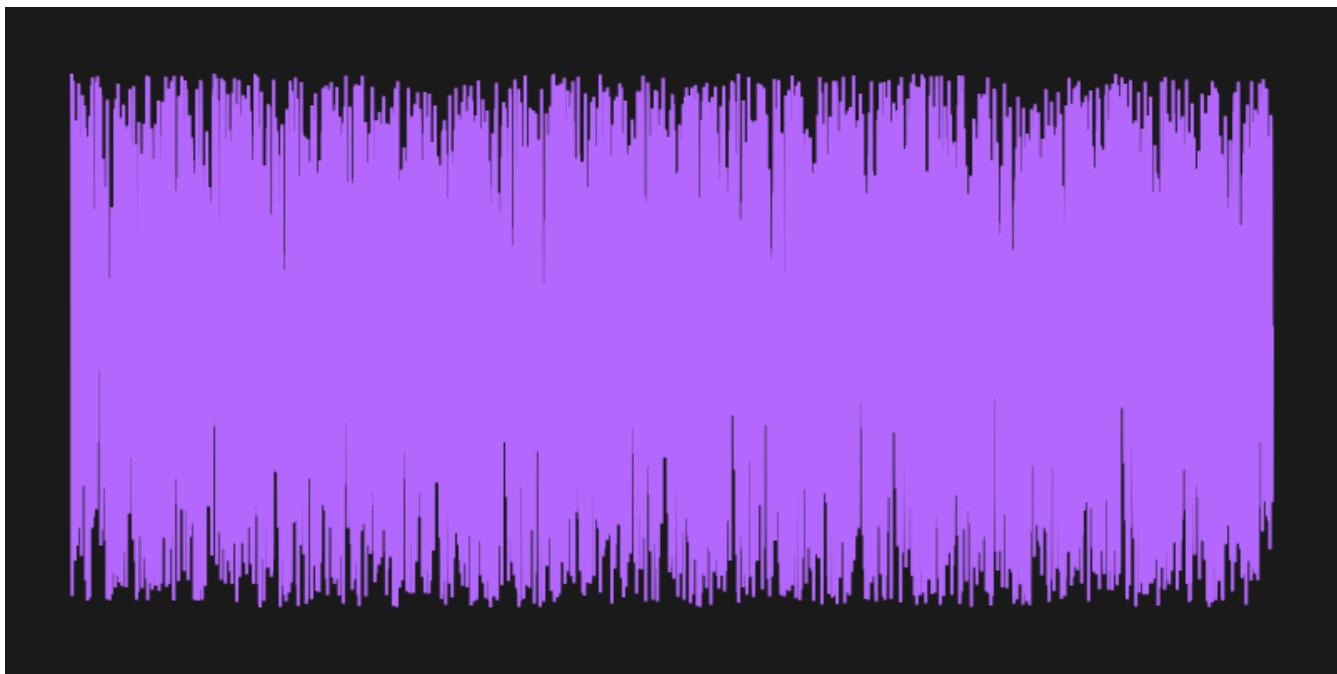
Oscillogram



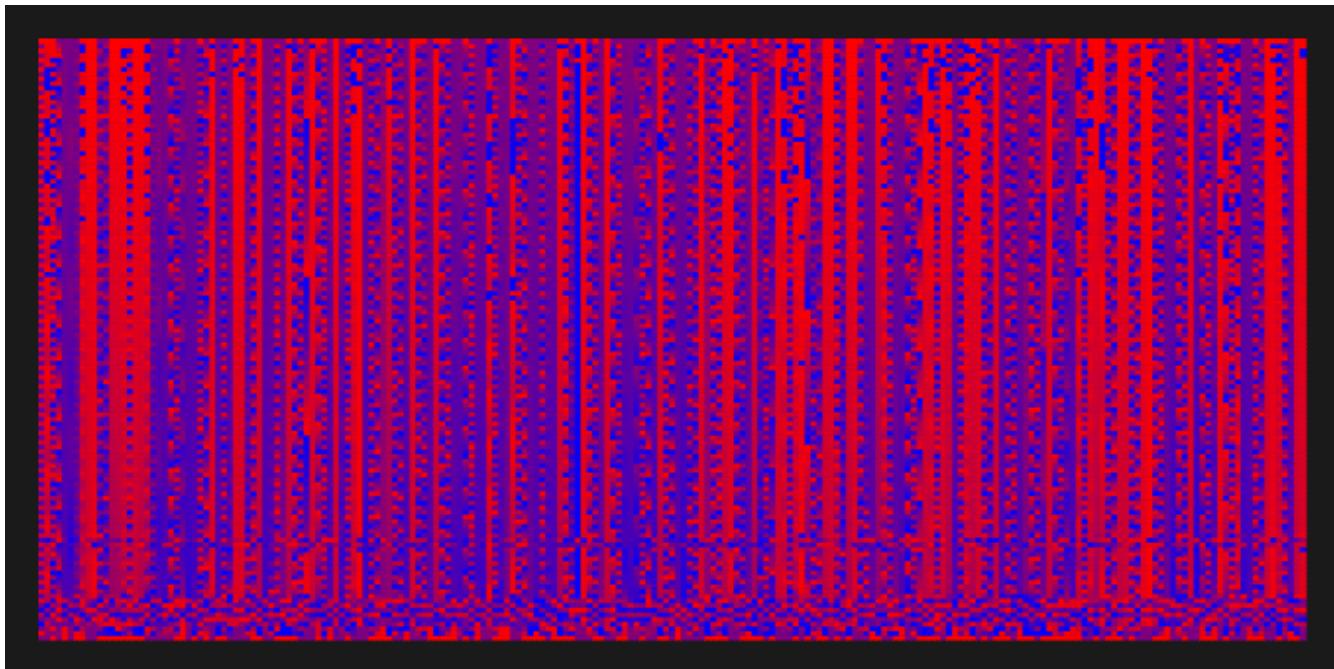
Amplitude Spectrum



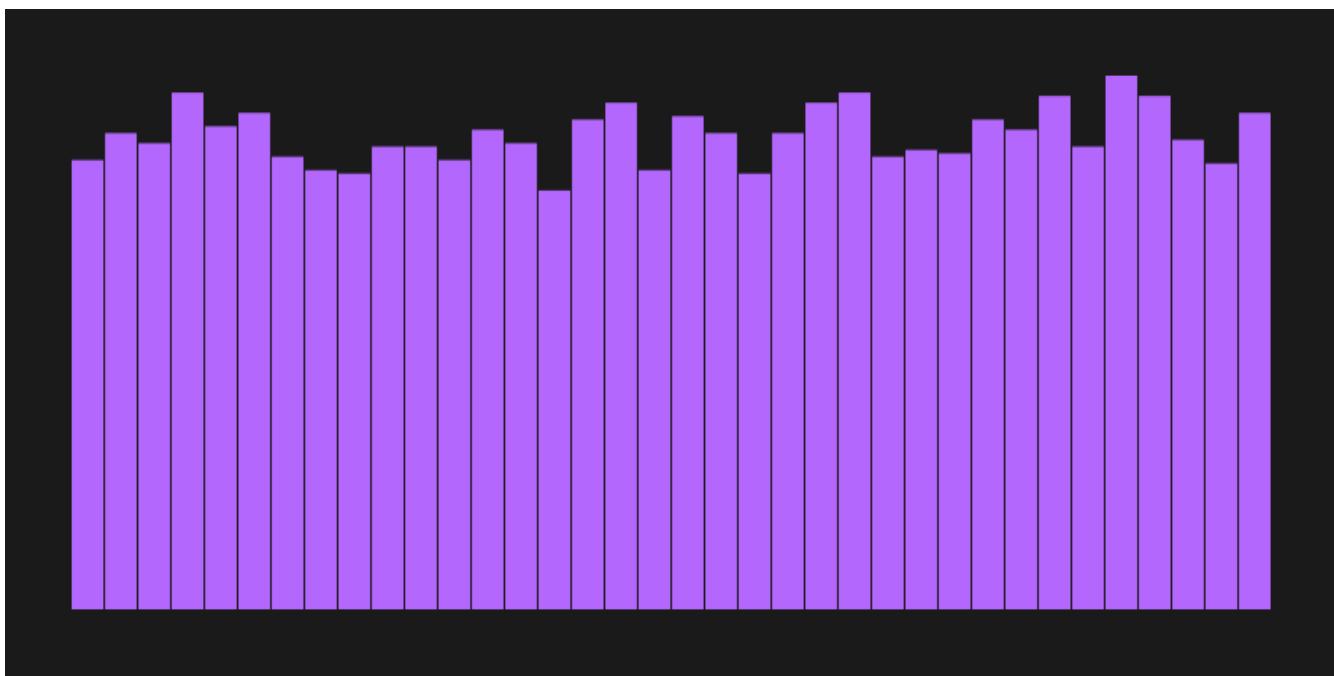
Phase Spectrum



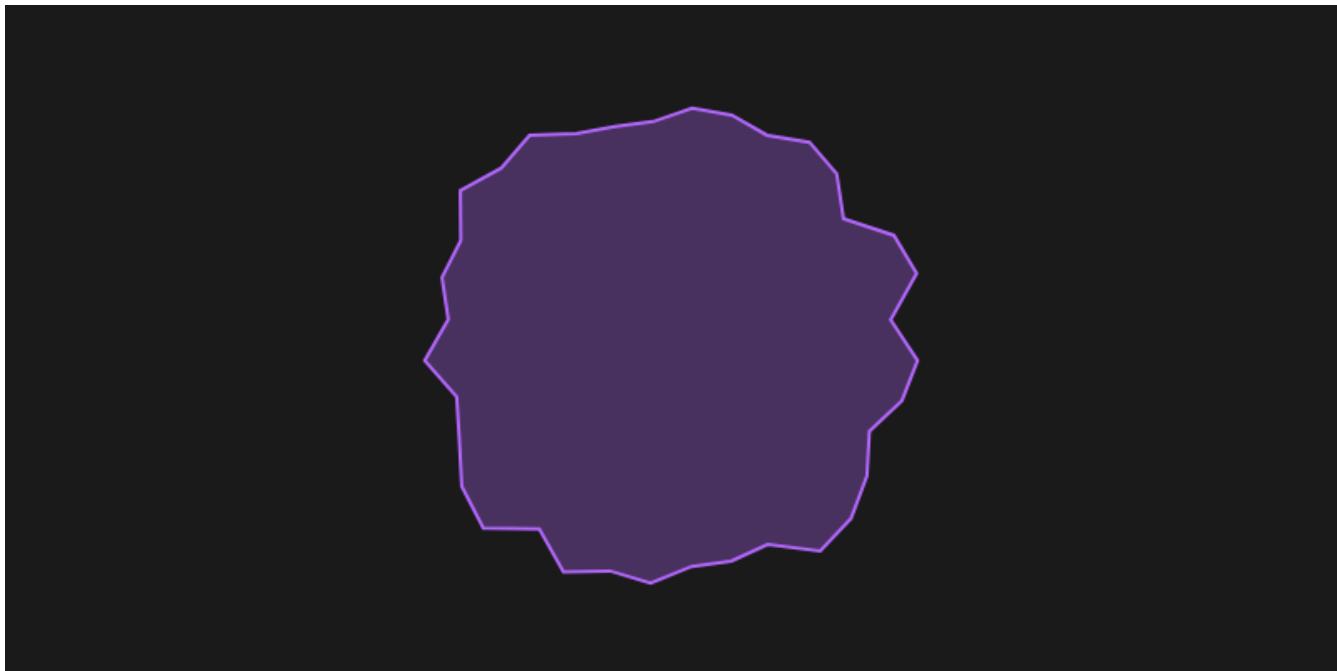
Phasegram



Phase Histogram



Rose Plot



Coherence

