

# HydroPhase Analysis Report

File: analysis\_1764891869857

Date: 05.12.2025, 01:44:30

## 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

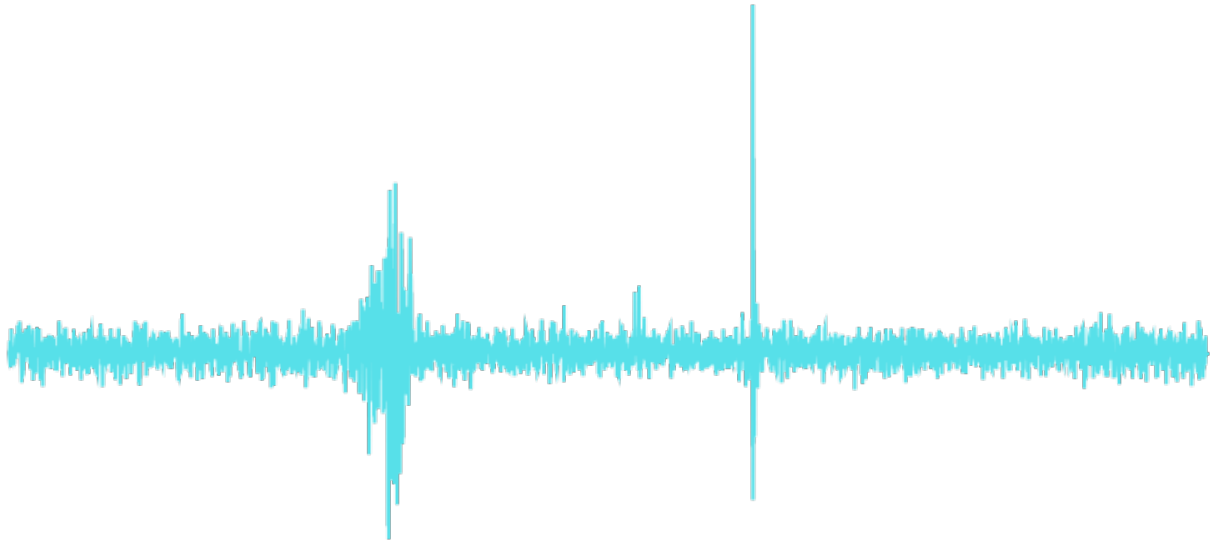
**Circular\_variance:** 0.9752

**Amplitude\_weighted\_average:** 0.0321

**Phase\_transition\_count:** 783

# Visual Analysis

**Oscillogram**



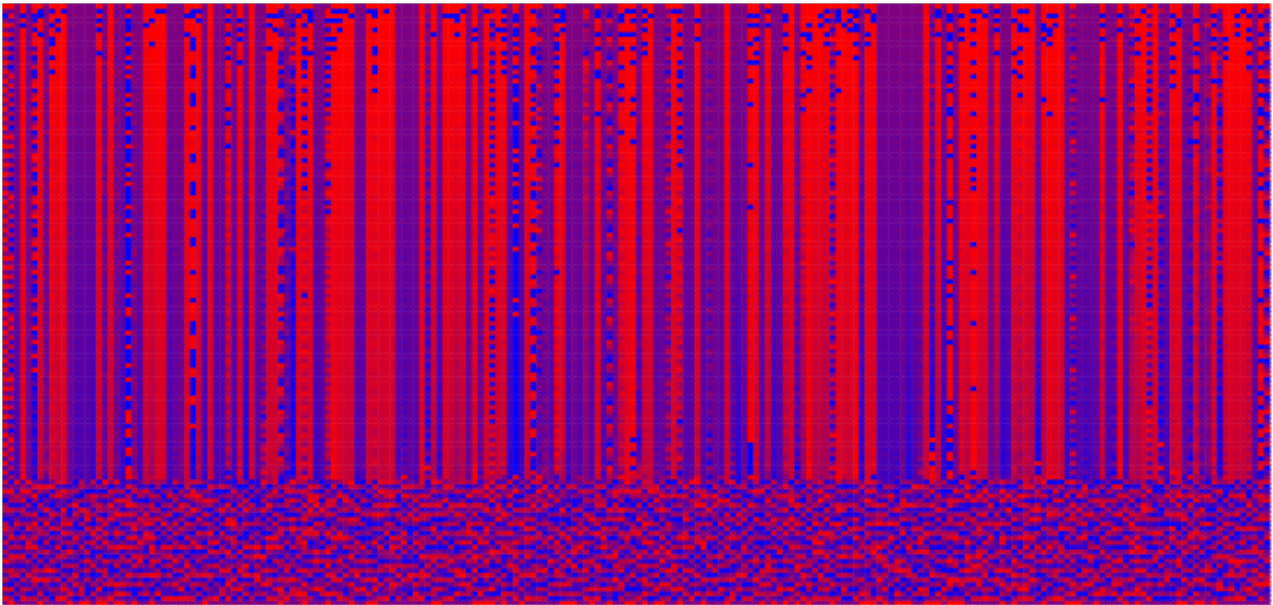
**Amplitude Spectrum**



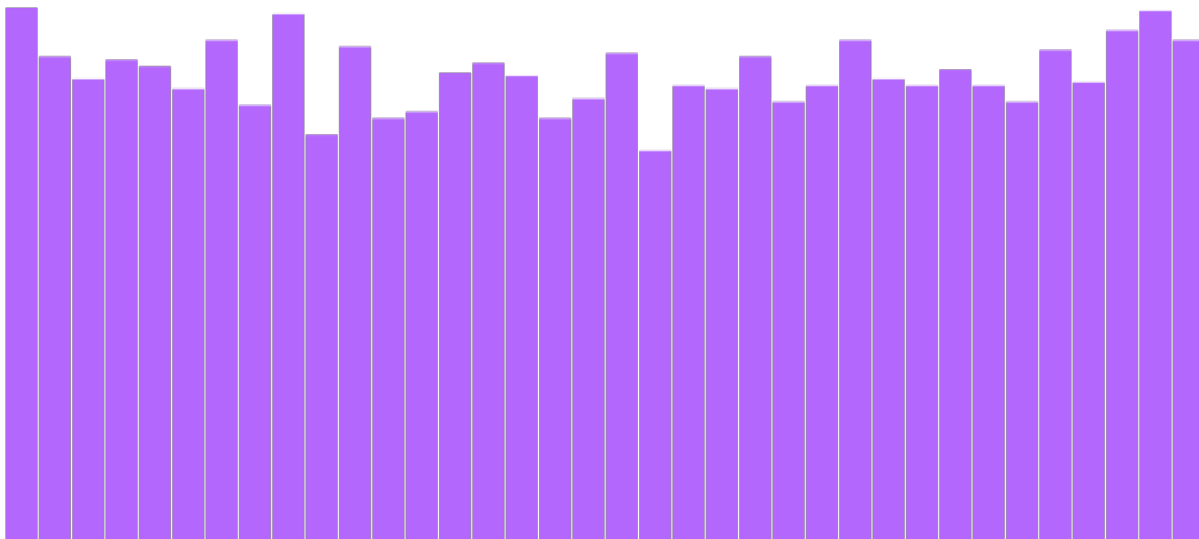
**Phase Spectrum**



**Phasegram**



**Phase Histogram**



**Rose Plot**



## Coherence

**Coherence: N/A (Mono Signal)**