Tap Oil T/47P 3D PSTM

CGGV**ERITAS**

High resolution linear noise attenuation test

with trace interpolation

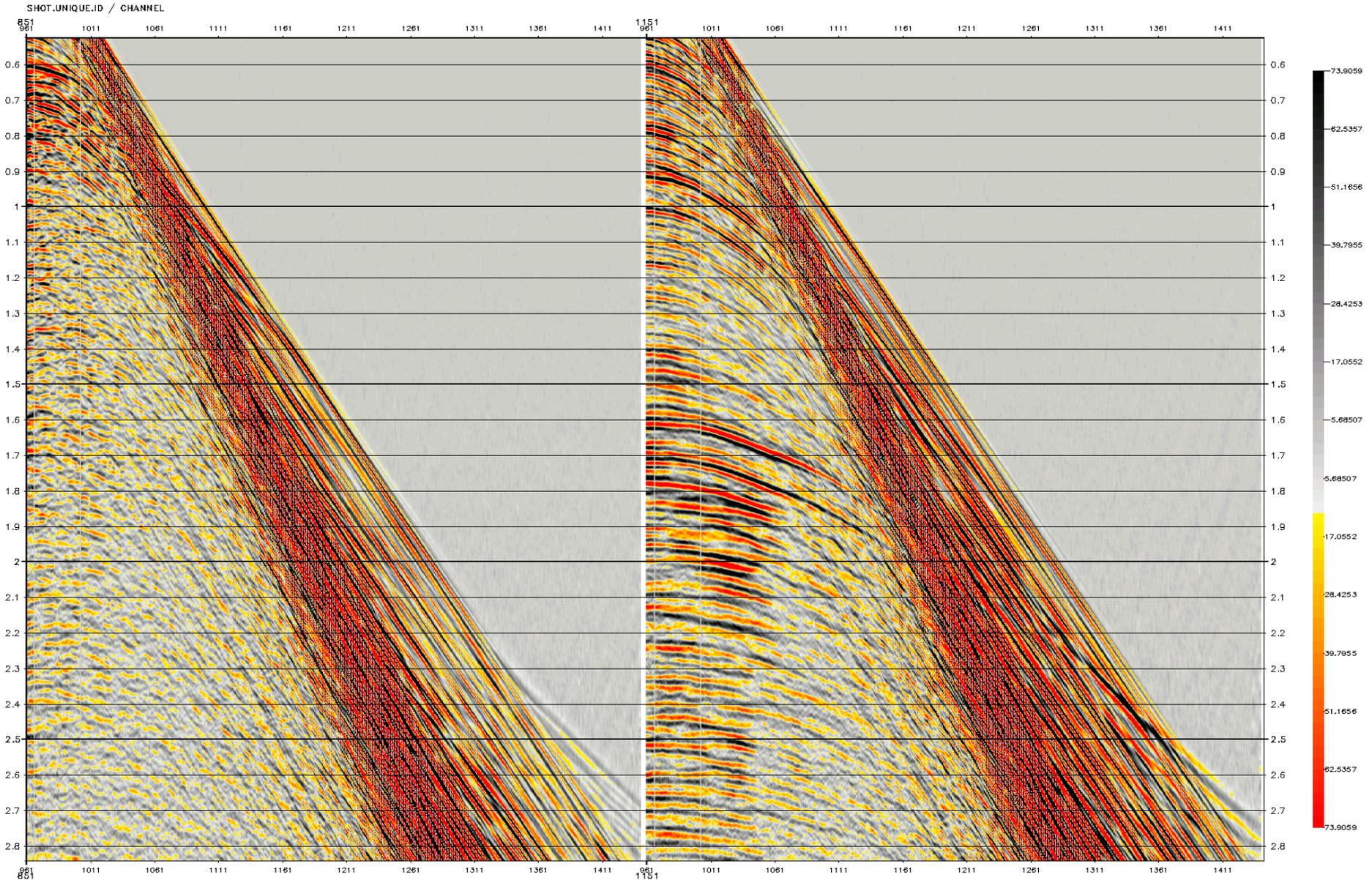Sail line 1198P1049

Processing Flow

- Reformat
- Navigation merge
- Trace edit
- Low cut filter 3Hz 18dB
- Deterministic de-phase filter to convert data to zero phase using far field signature
- Resample to 4ms using AA filter 110Hz 96dB
- System delay correction
- Spherical divergence correction V*V*T using regional velocity
- Swell noise attenuation, threshold 2.25 and despiking; threshold 2.0
- Linear noise attenuation test

CGGVERITAS

Test Summary

- Following tests have been conducted:
    - 1. Without trace interpolation
    - 2. With trace interpolation
- Recommended parameters:
    - Frequency range: 3 to 125 Hz
    - Start time: WBT+ 500ms
    - Data dips: -1200 to 1200
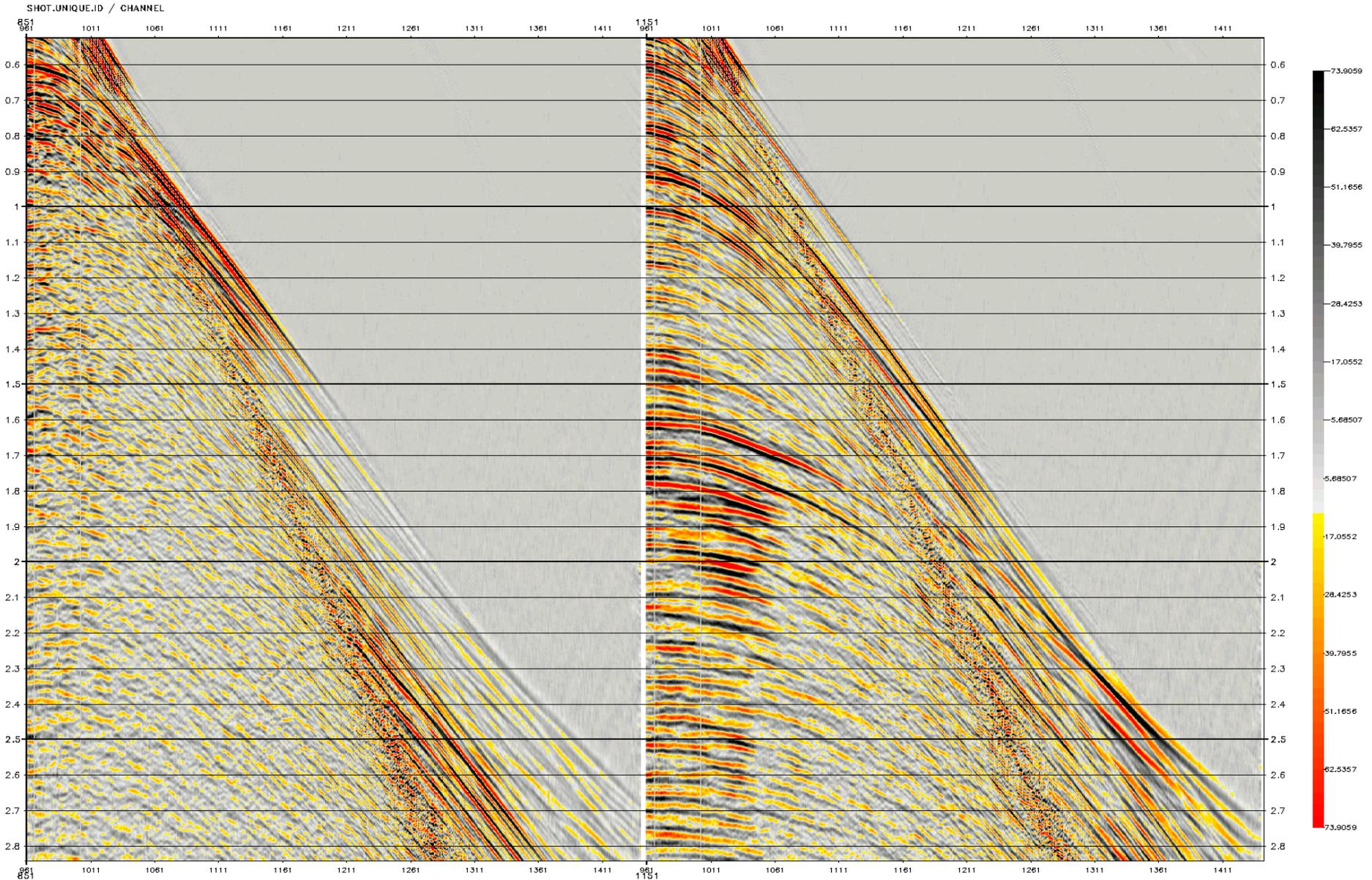   - Signal dips: -2500 to 2500

Shots before linear noise attenuation – Top view
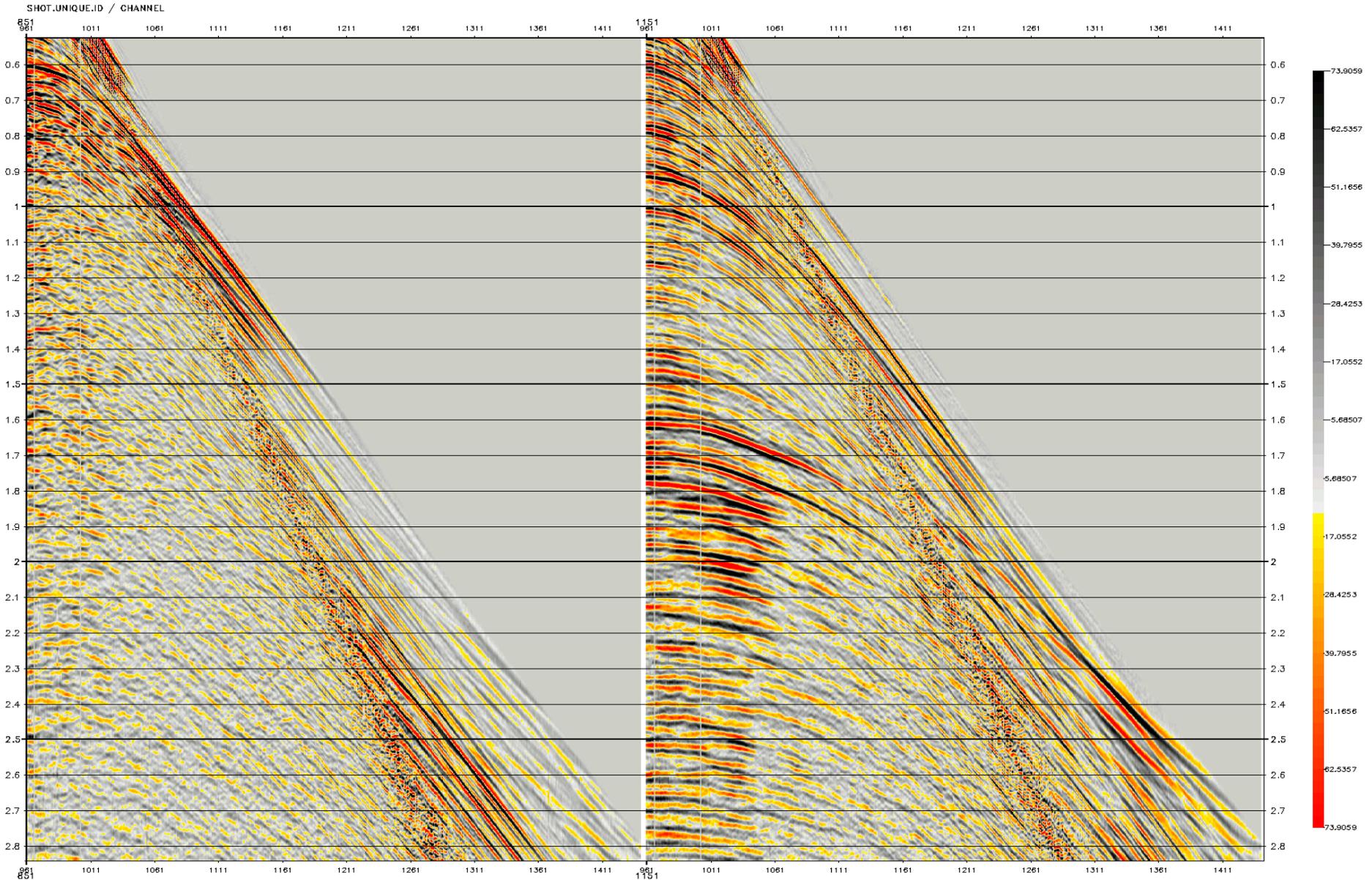

Tango:vegas:spr224ws:s563tap:1198 noxrl sht.1

Shots after linear noise attenuation – without trace interpolation, Top view
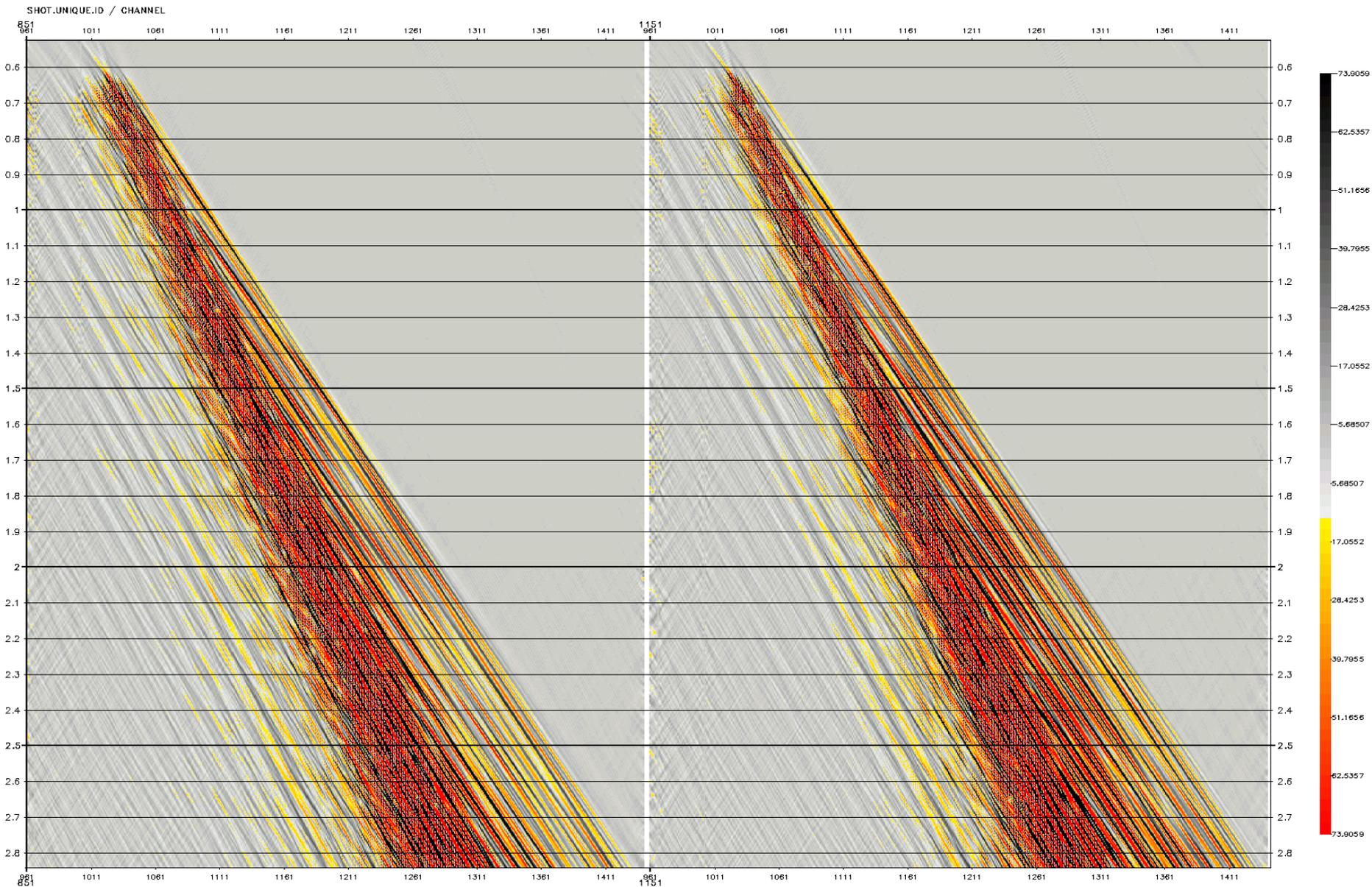

Tango:vegas:spr224ws:s563tap:1198 xrl2500 sht.1

Shots after linear noise attenuation – with trace interpolation, Top view
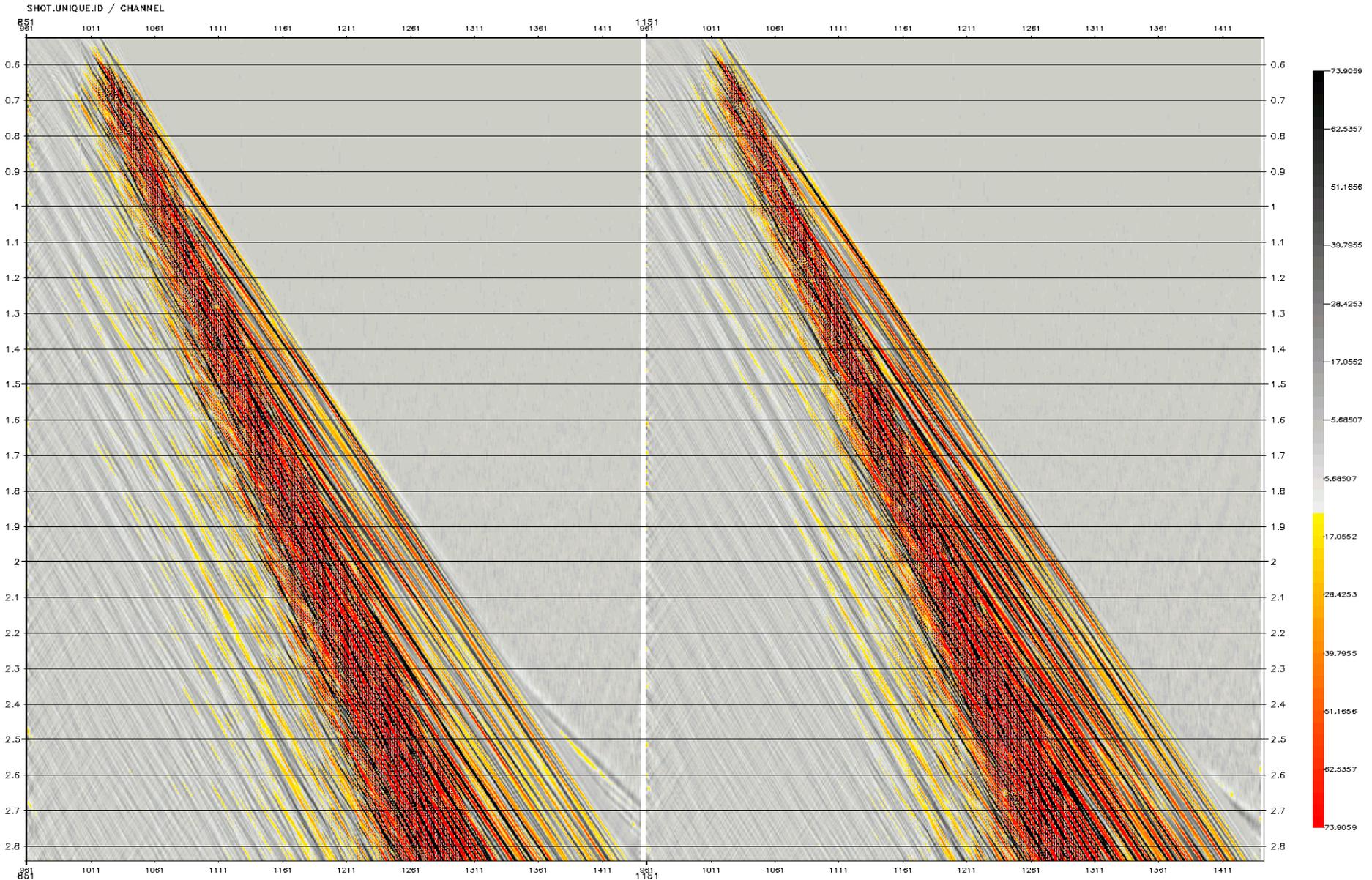

Tango:vegas:spr224ws:s563tap:1198 chantst6.1

Difference display- without trace interpolation, Top view
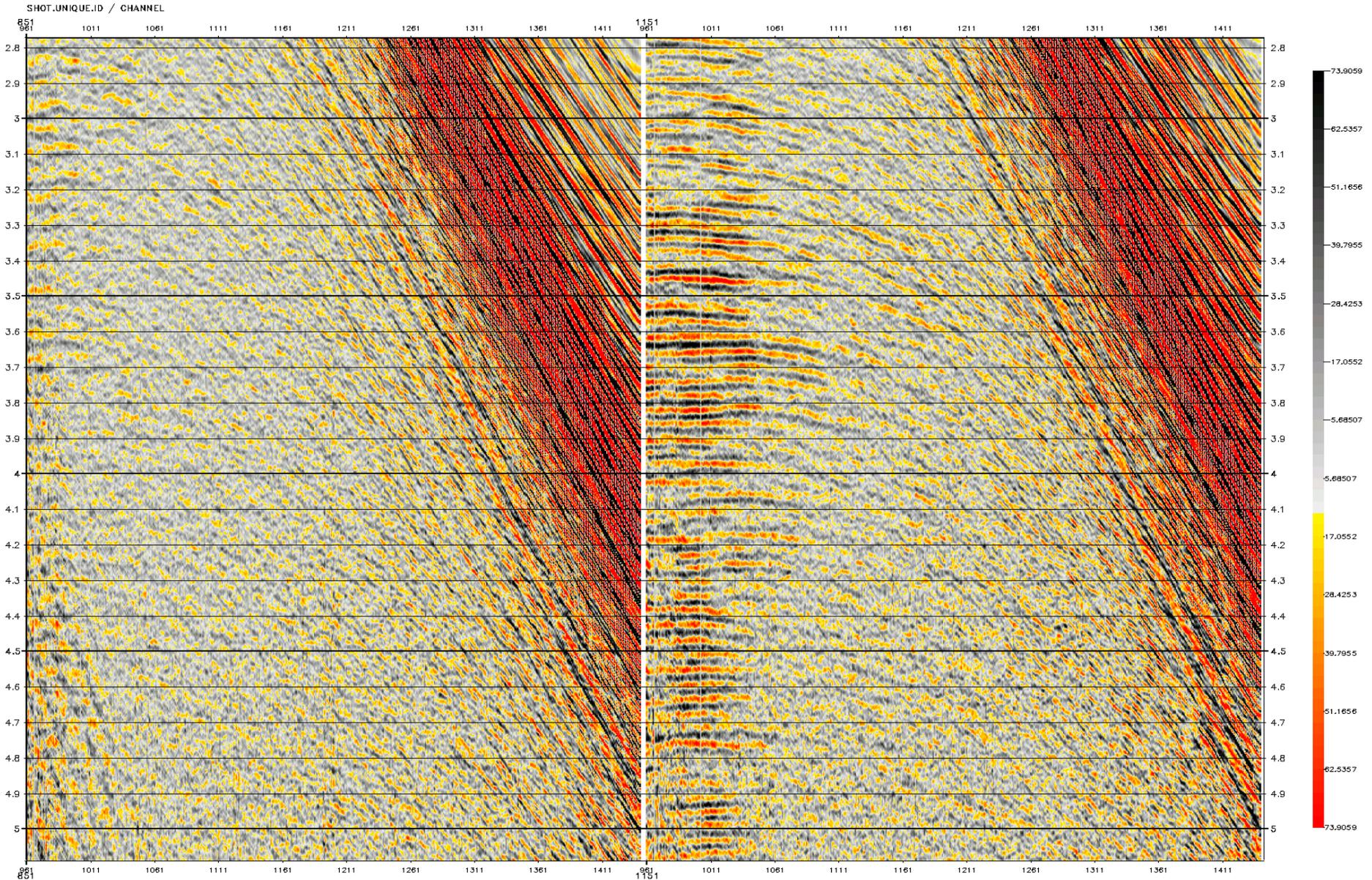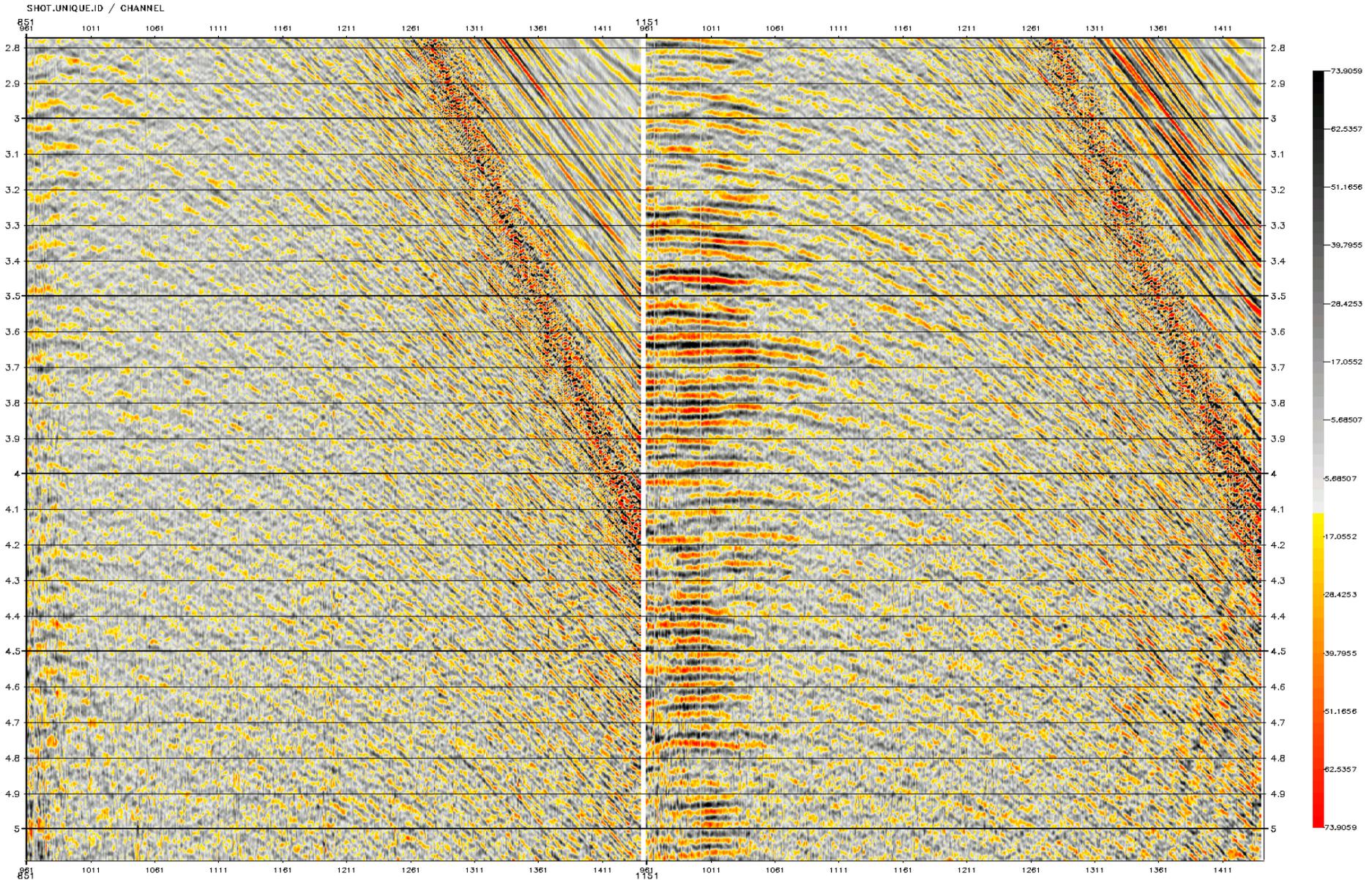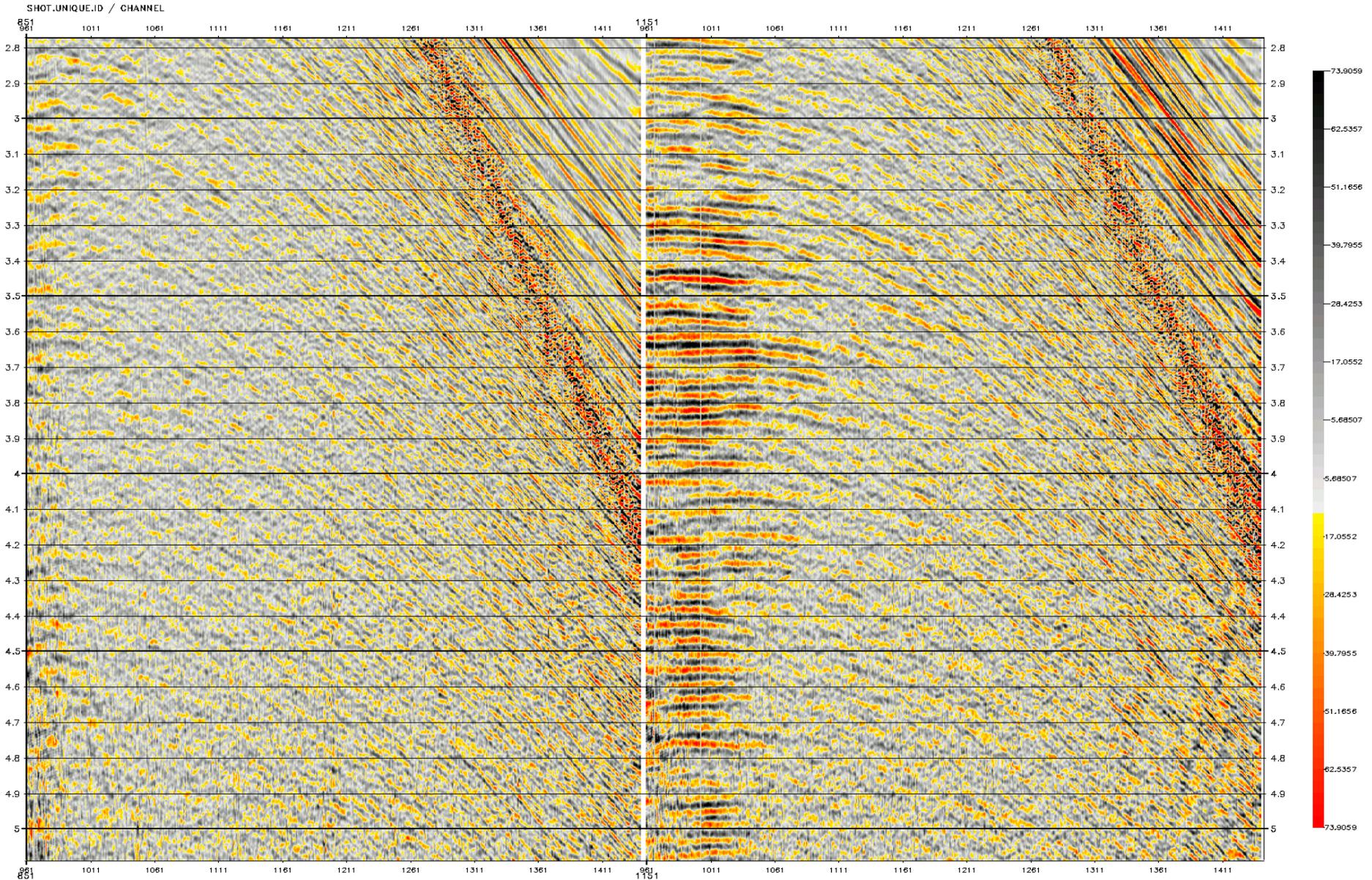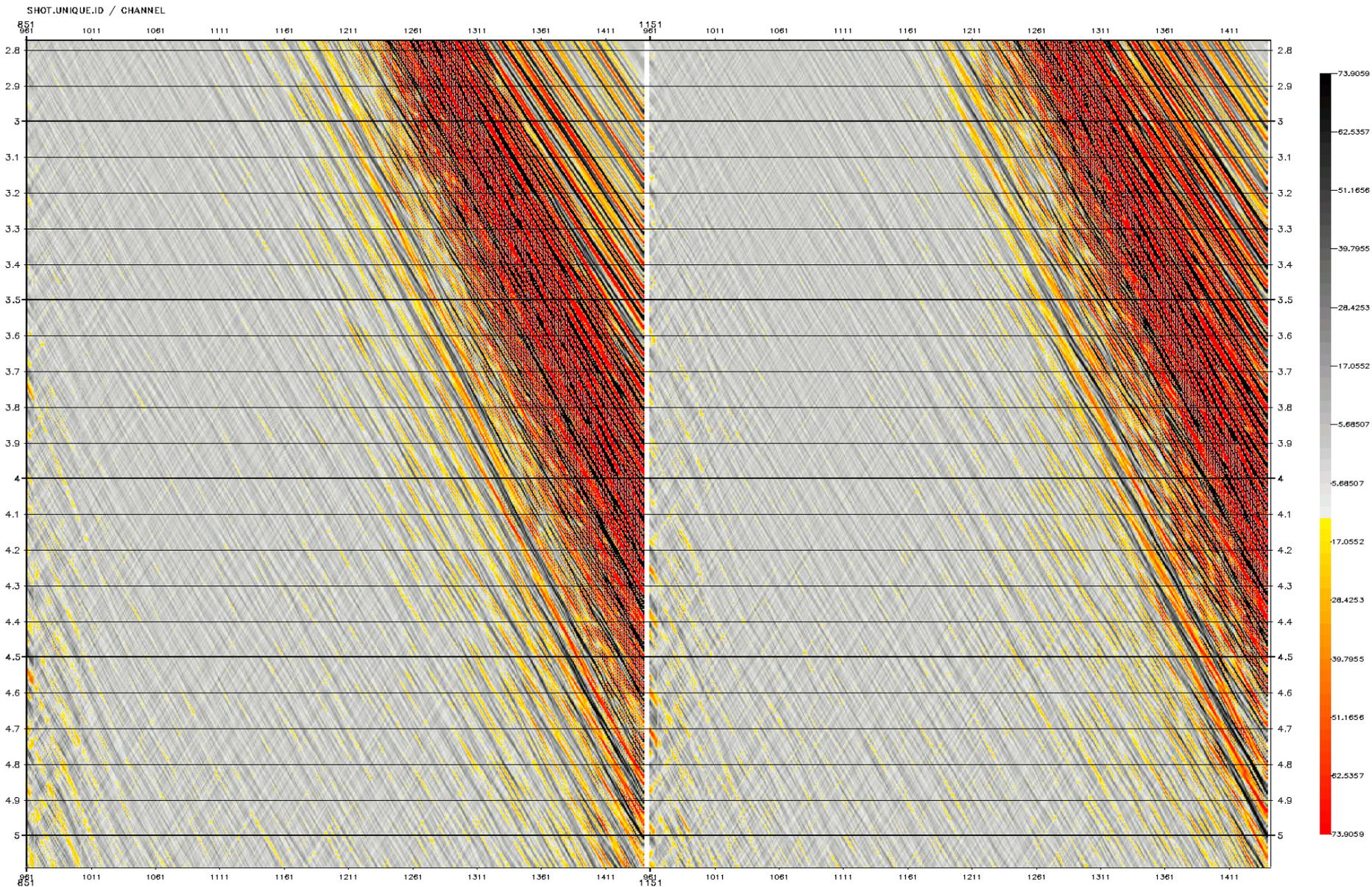

1198 noxrl sht-1198 xrl2500 sht

Difference display- with trace interpolation, Top view

Shots before linear noise attenuation – Bottom view

Shots after linear noise attenuation – without trace interpolation, Bottom view

Shots after linear noise attenuation – with trace interpolation, Bottom view

Difference display- without trace interpolation, Bottom view

Difference display- with trace interpolation, Bottom view