

# Tap Oil T/47P 3D PSTM

---



High resolution linear noise attenuation test  
with trace interpolation  
Sail line 1398P1002

# 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

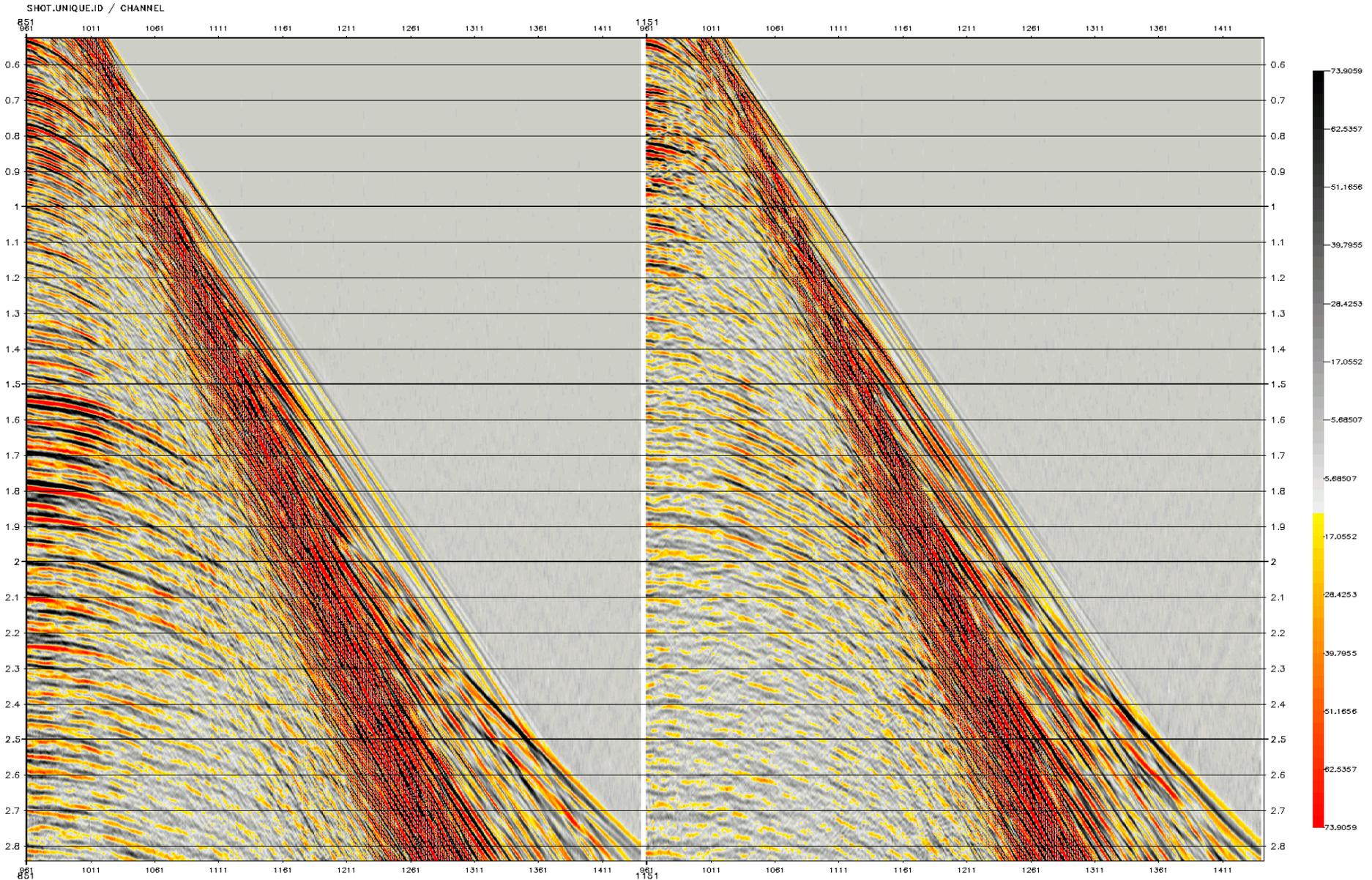
# Test Summary

---

- 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

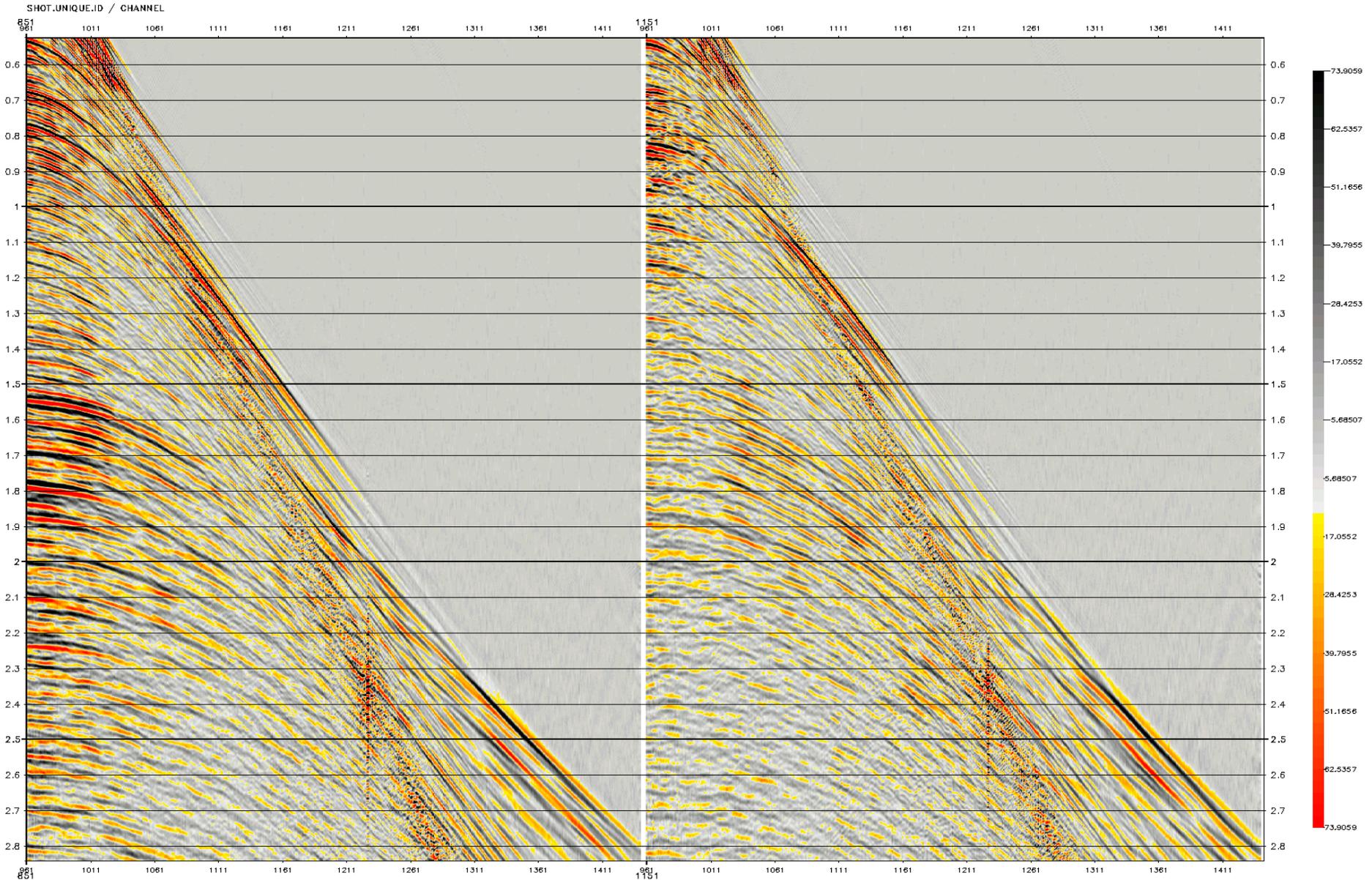
# Shots **before** linear noise attenuation – Top view

Tango:vegas:spr224ws:s563lap:1378 noxrl sh1.1



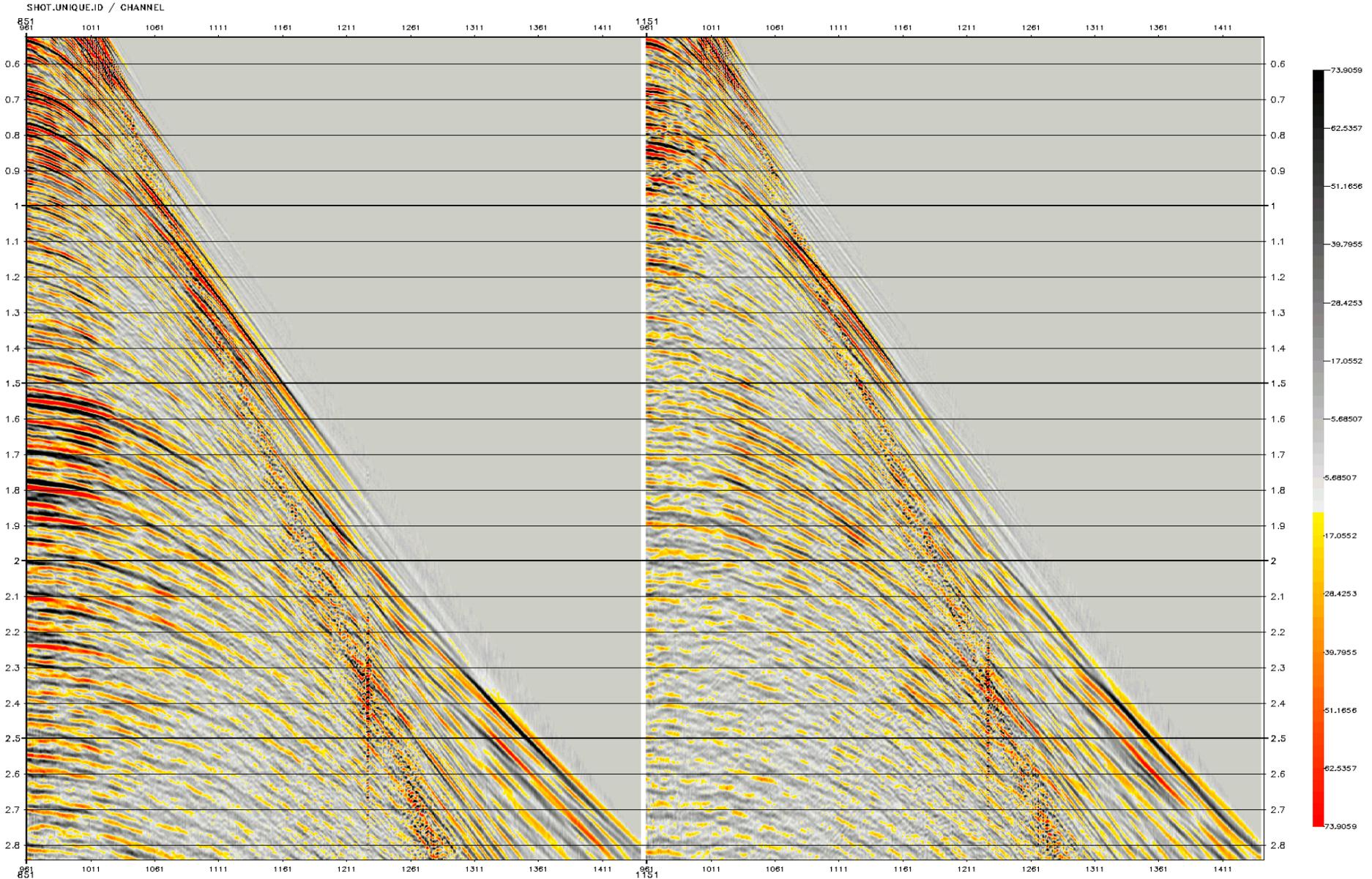
# Shots **after** linear noise attenuation – **Without** trace interpolation, **Top** view

Tango:vegas:spr224ws:s563lap:1378 xrl2500 sh1.1



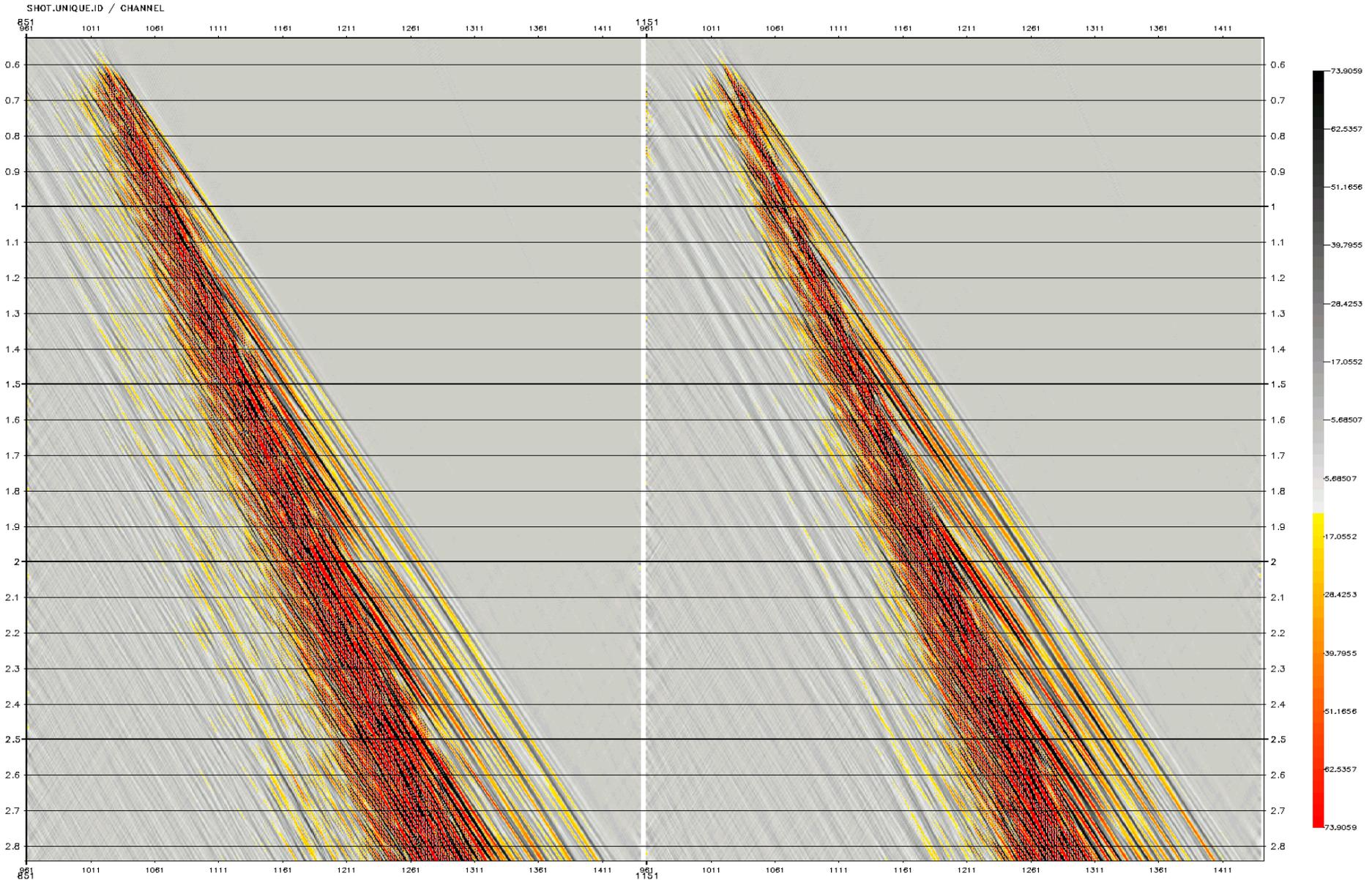
# Shots **after** linear noise attenuation – **With** trace interpolation, **Top** view

Tango::spr205ws:s5631ap:1378 chantst6.1



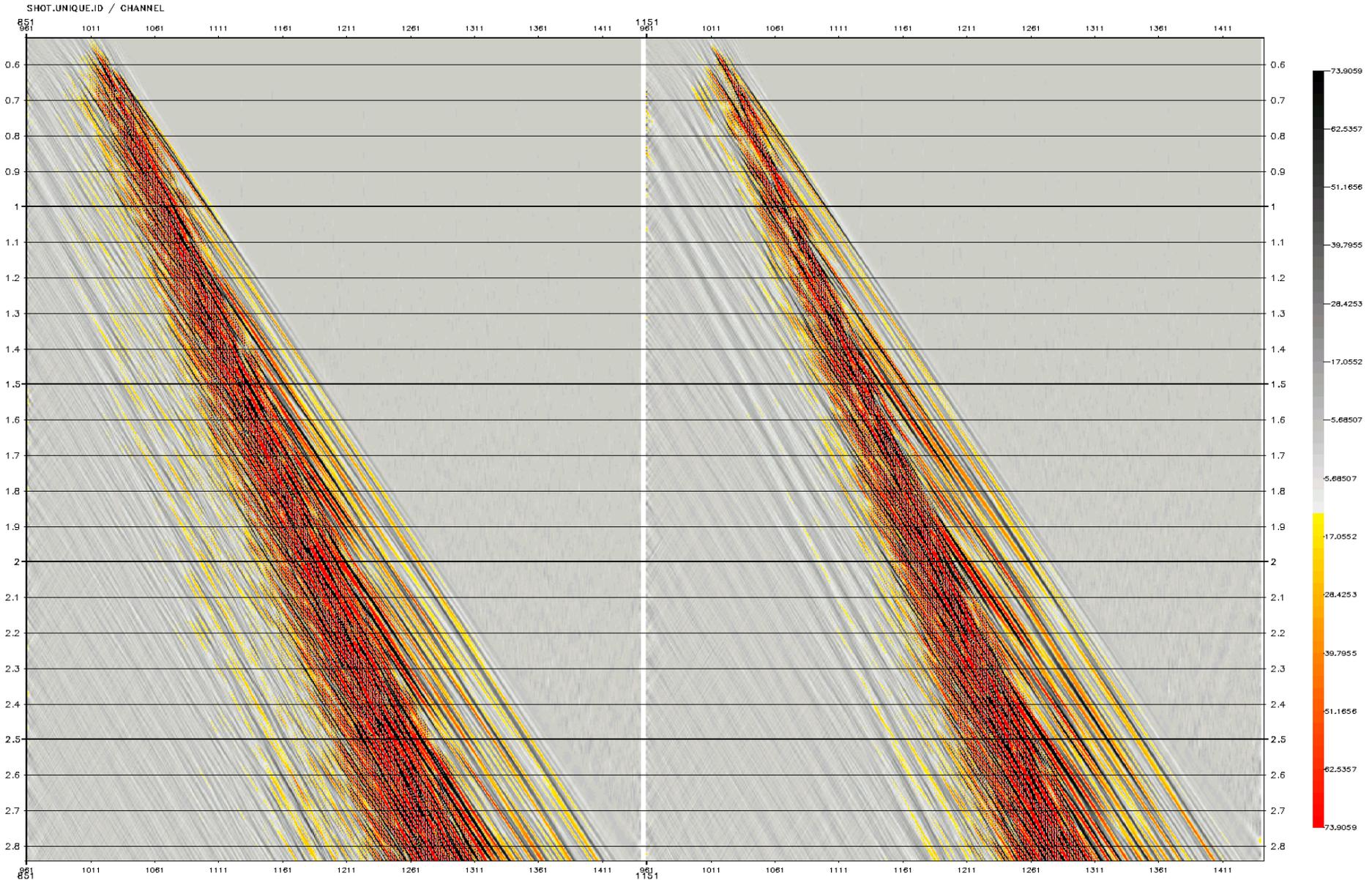
# Difference display – Without trace interpolation, Top view

1378 noxrl sht–1378 xrl2500 sht



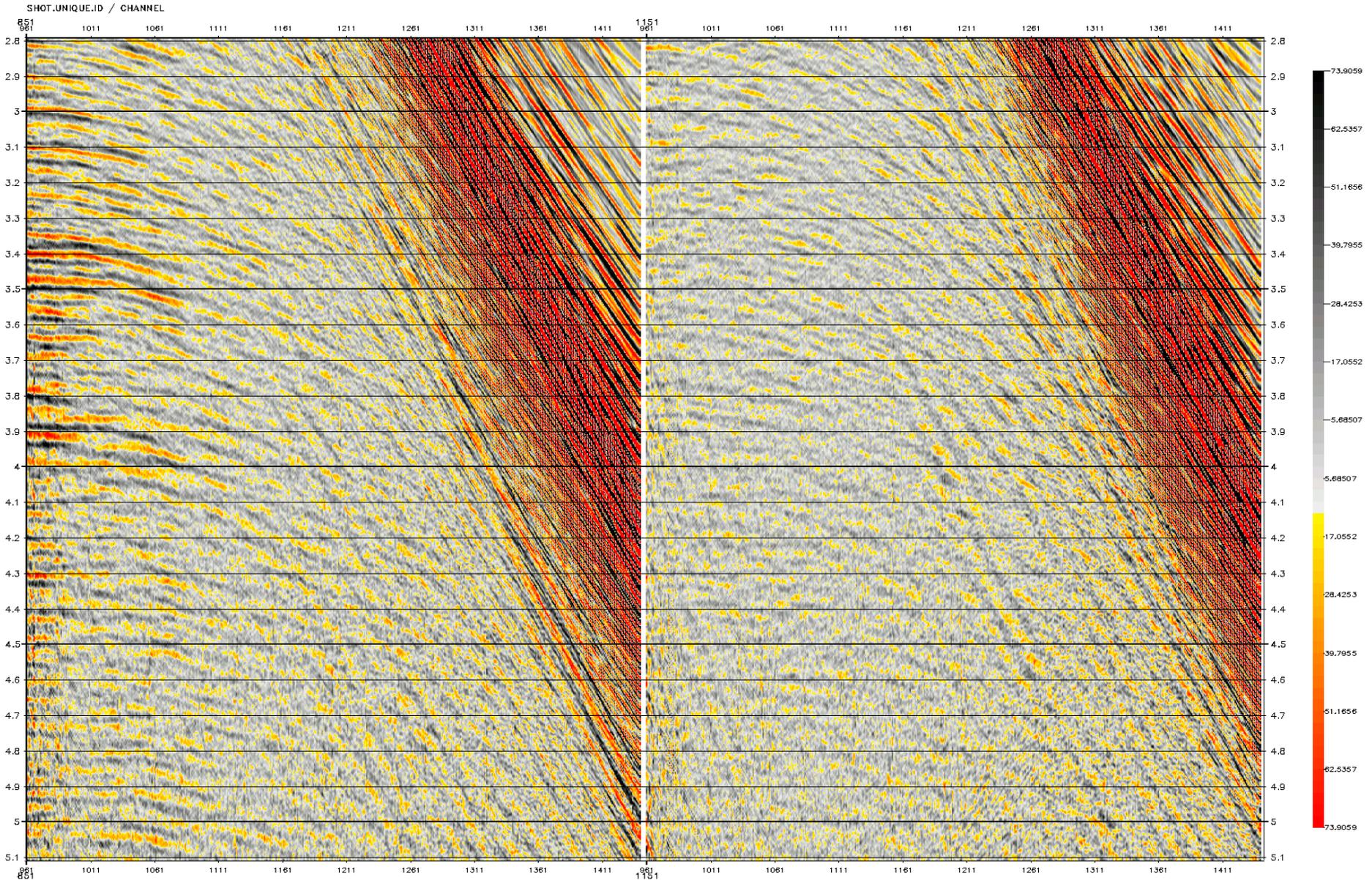
# Difference display – With trace interpolation, Top view

1378 noxr1 sht-1378 chantst6



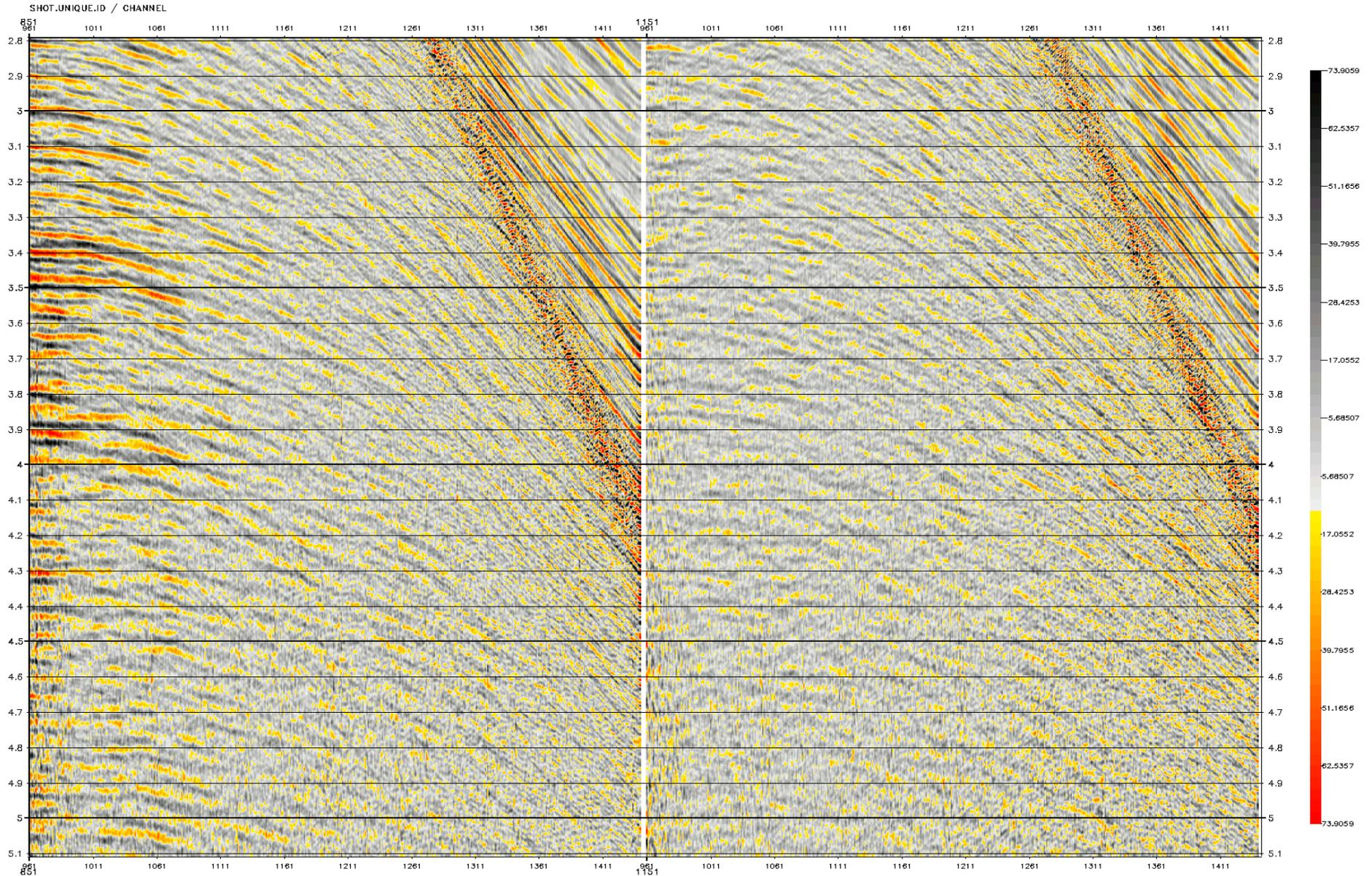
# Shots before linear noise attenuation – Bottom view

Tango:vegas:spr224ws:s563tap:1378 noxrl shl.1



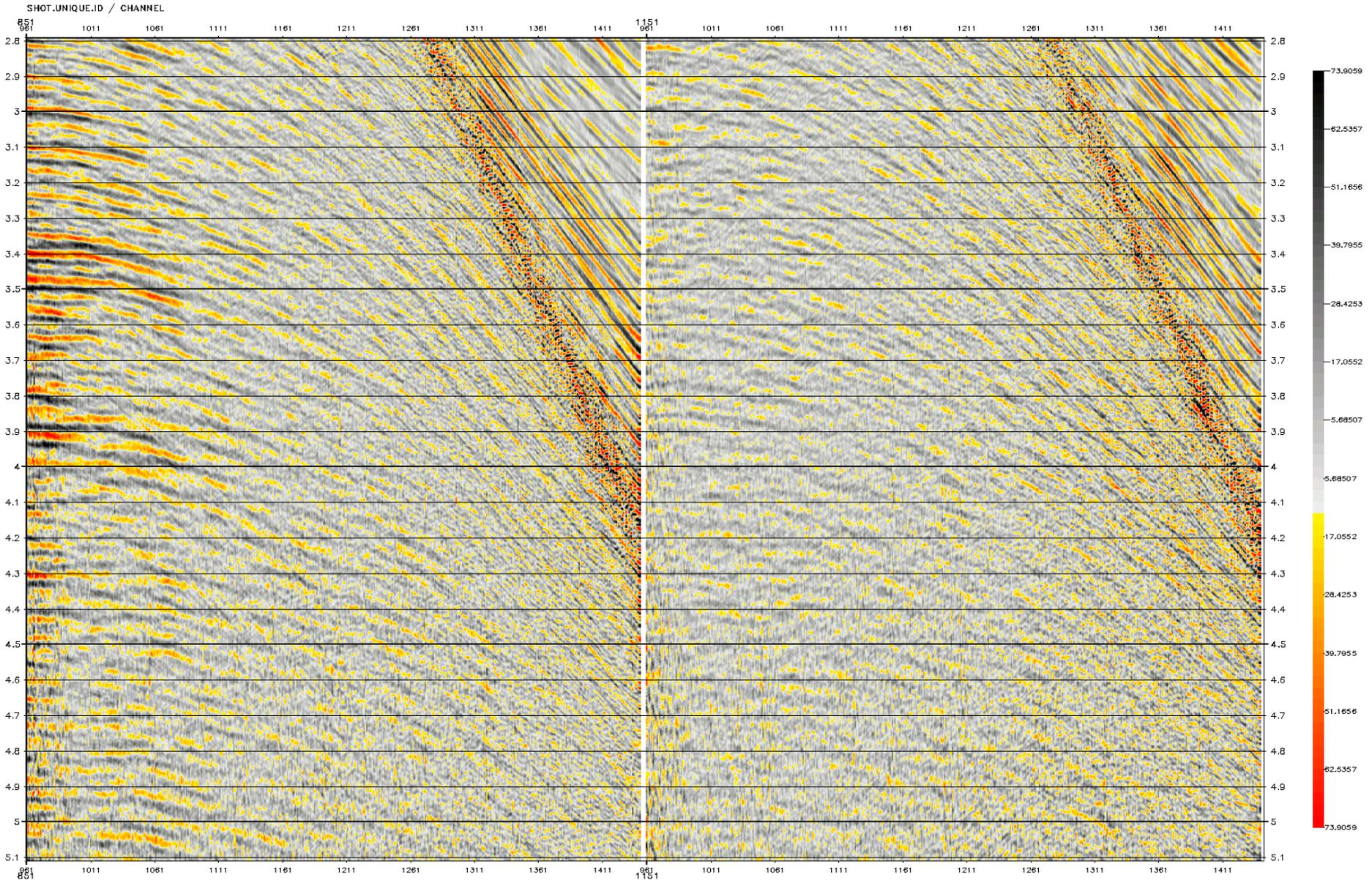
# Shots **after** linear noise attenuation – **Without** trace interpolation, **Bottom** view

Tango:vegas:spr224ws:s563lap:1378 xrl2500 sh1.1



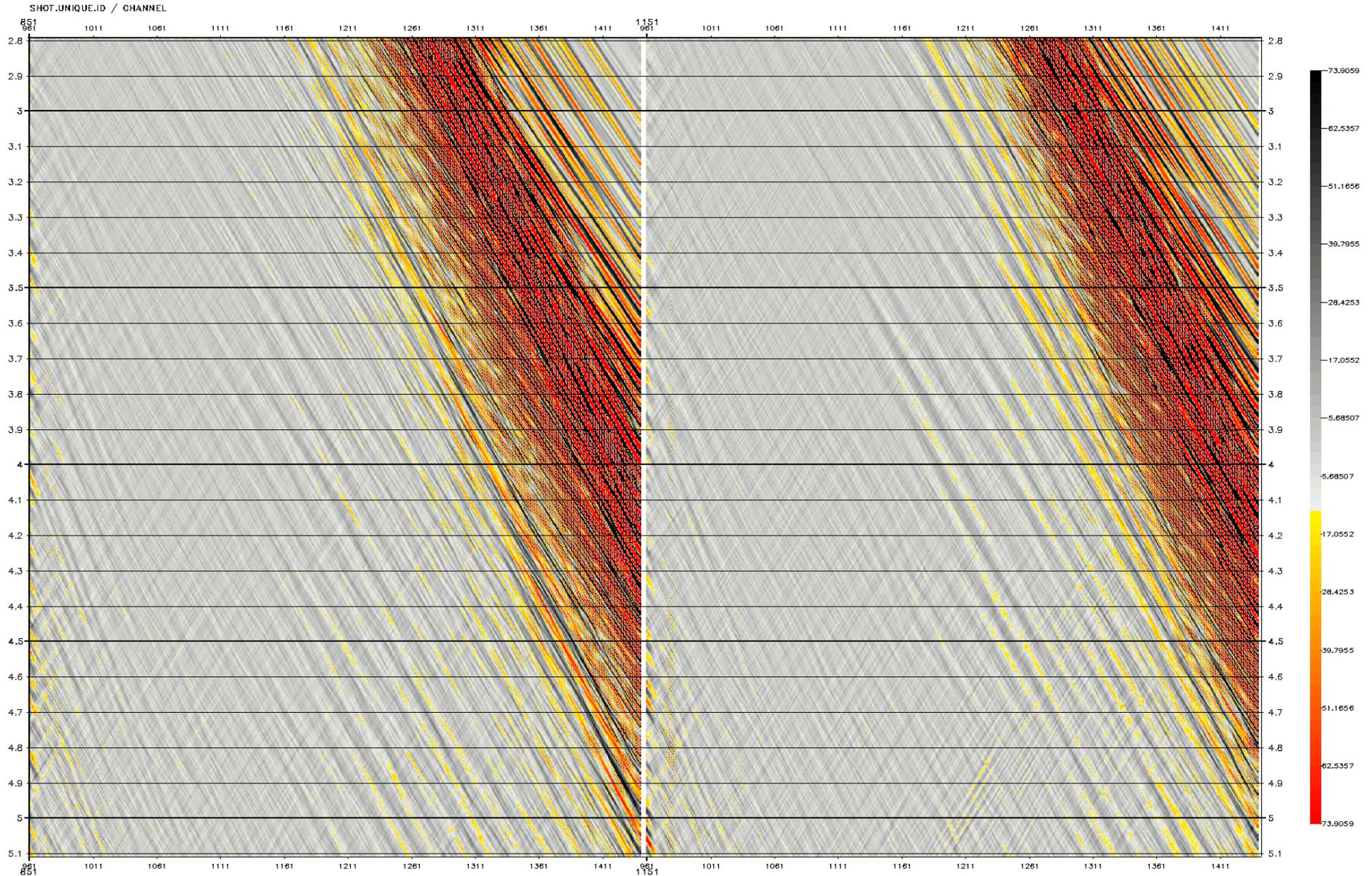
# Shots **after** linear noise attenuation – **With** trace interpolation, Bottom view

Tango::spr205ws:s563tap:1378 chantst6.1



# Difference display – Without trace interpolation, Bottom view

1378 noxrl sht–1378 xrl2500 sht



# Difference display – With trace interpolation, Bottom view

1378 noxr1 sht=1378 chan1st6

