

Tap Oil T/47P 3D PSTM



High Resolution Linear Noise Attenuation Test

Sail line 1378P1002

Shots and stack display

Processing Flow

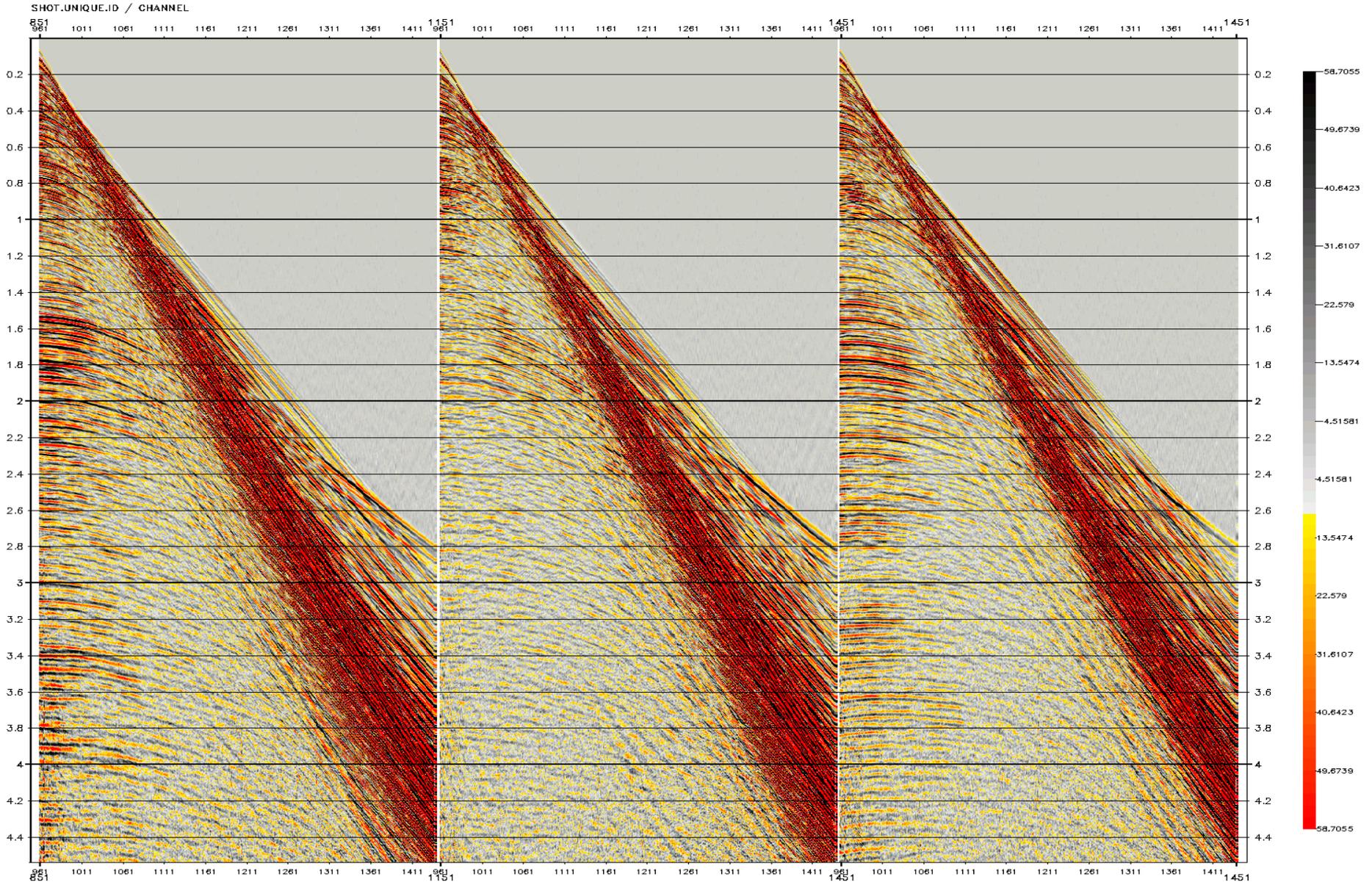
- Reformat
- Navigation merge
- Trace edit
- Low cut filter 3Hz 18dB
- Deterministic de-phase filter to convert data to zero phase using far field signature
- Resample to 4ms using AA filter 110Hz 96dB
- System delay correction
- Spherical divergence correction $V*V*T$ using regional velocity
- Swell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

Test Summary

- Following velocities have been tested
 - 1. 2250m/s
 - 2. 2500m/s
 - 3. 2750ms
- Other recommended parameters:
 - Frequency range: 3 to 125 Hz
 - Start time: WBT+ 500ms
 - Data dips: -1600 to 1200

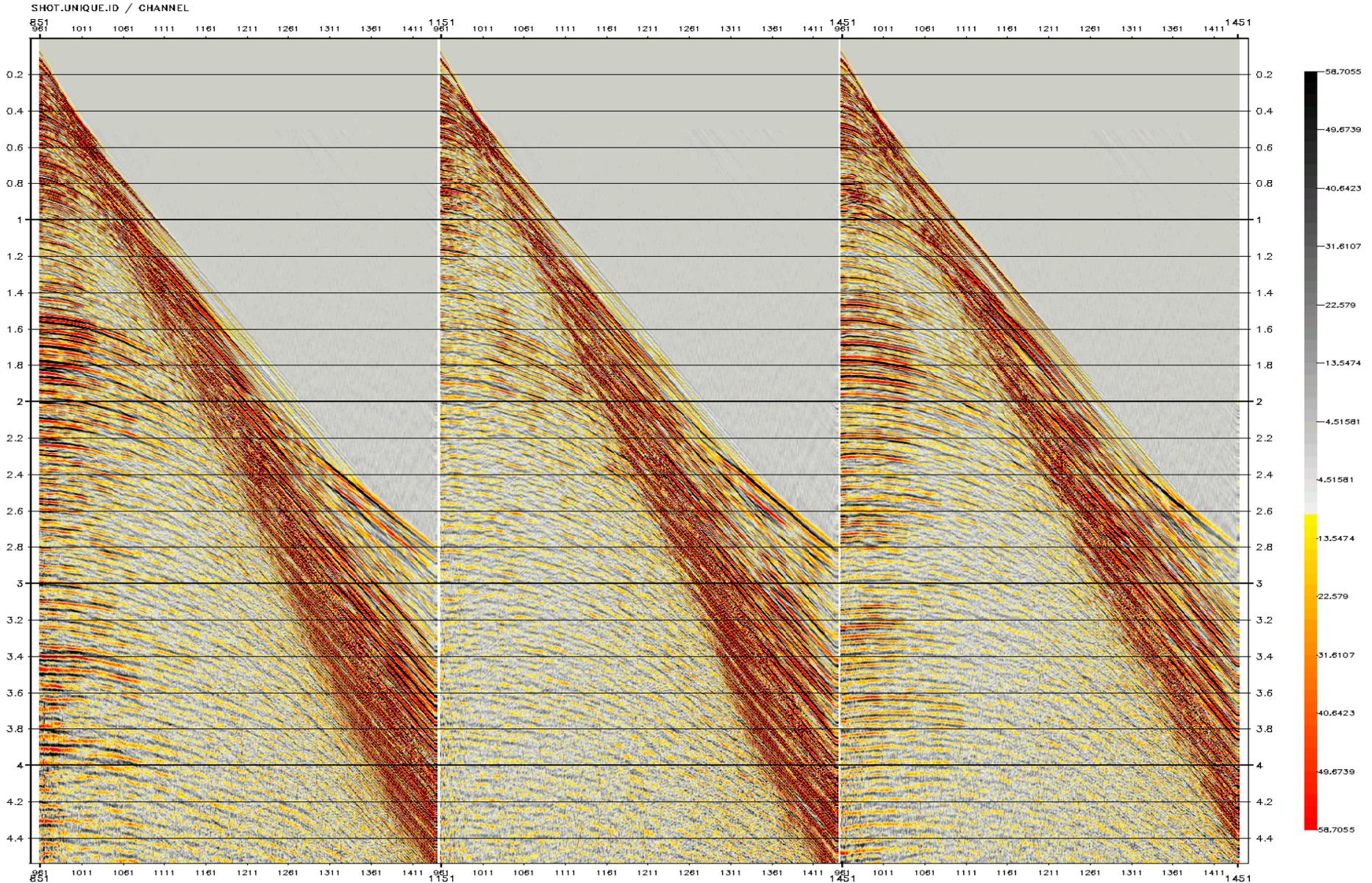
Shots **before** linear noise attenuation

Tango:vegas:spr224ws:s563tap:1378 noxrl sh1.1



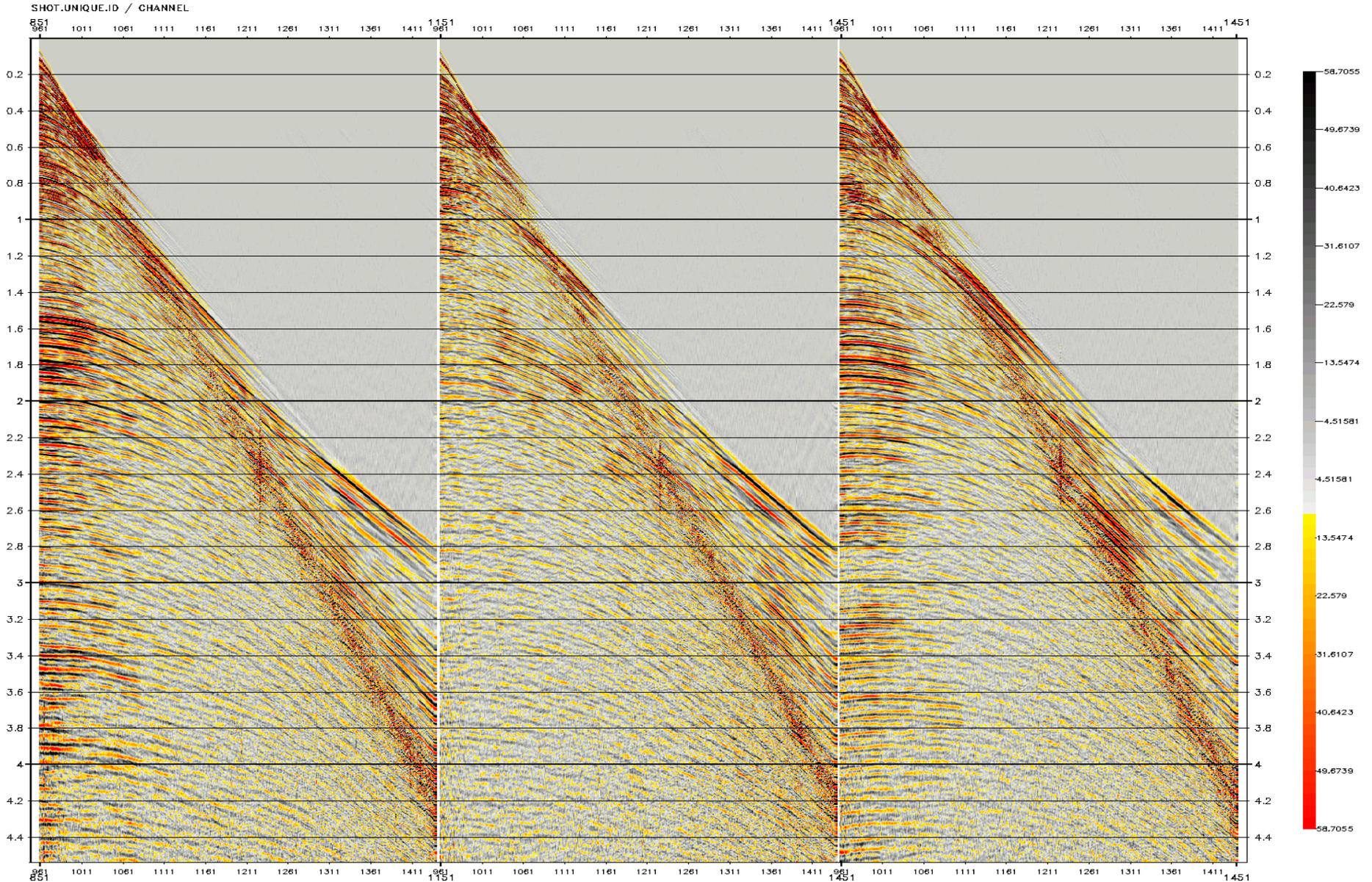
Shots **after** linear noise attenuation: Velocity 2250m/s

Tango:vegas:spr224ws:s563tap:1378 xrl2250 sht.1



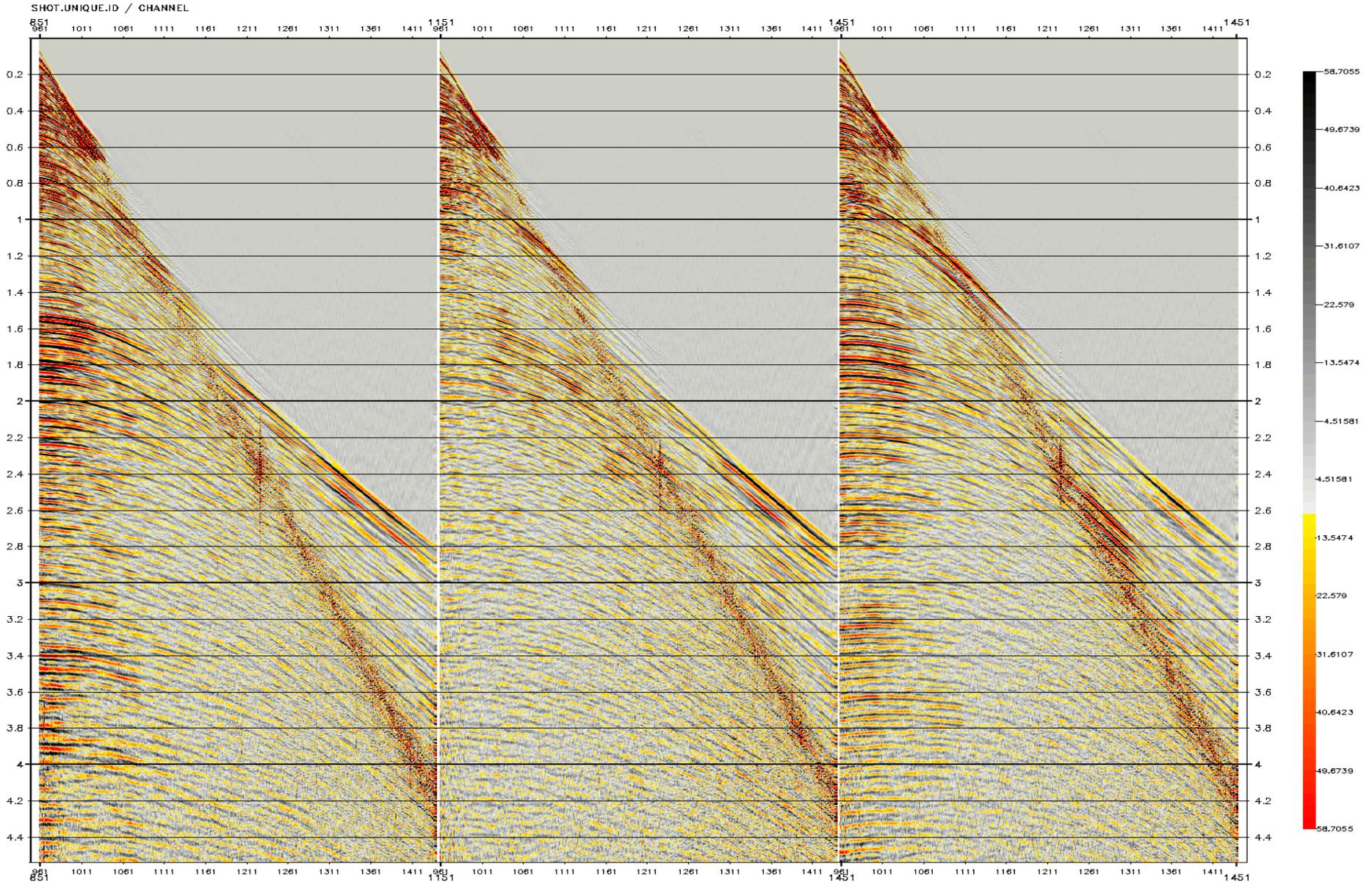
Shots **after** linear noise attenuation: Velocity 2500m/s

Tango:vegas:spr224ws:s563tap:1378 xrl2500 sht.1



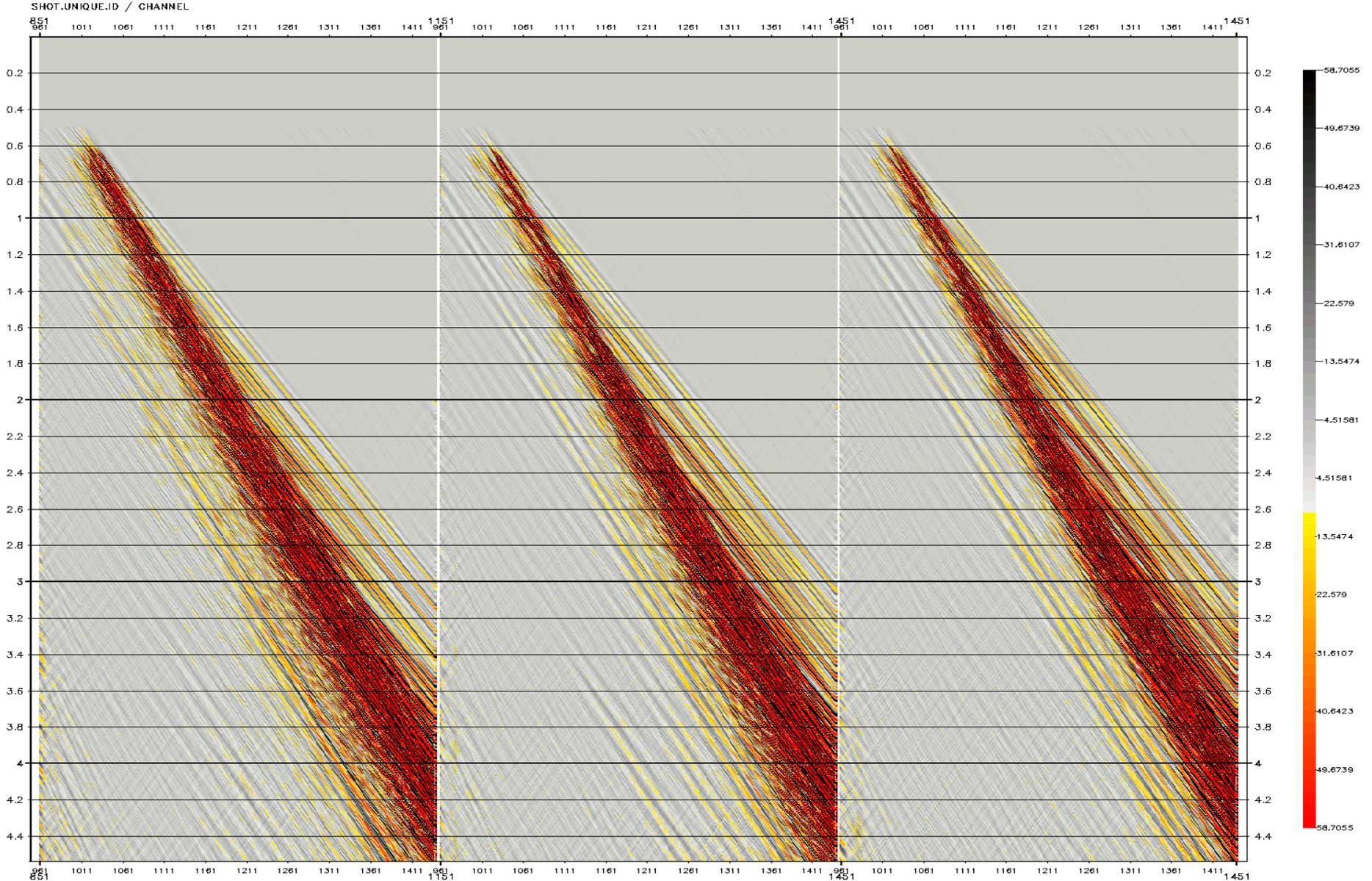
Shots **after** linear noise attenuation: Velocity 2750m/s

Tango:vegas:spr224ws:s563tap:1378 xrl2750 sht.1



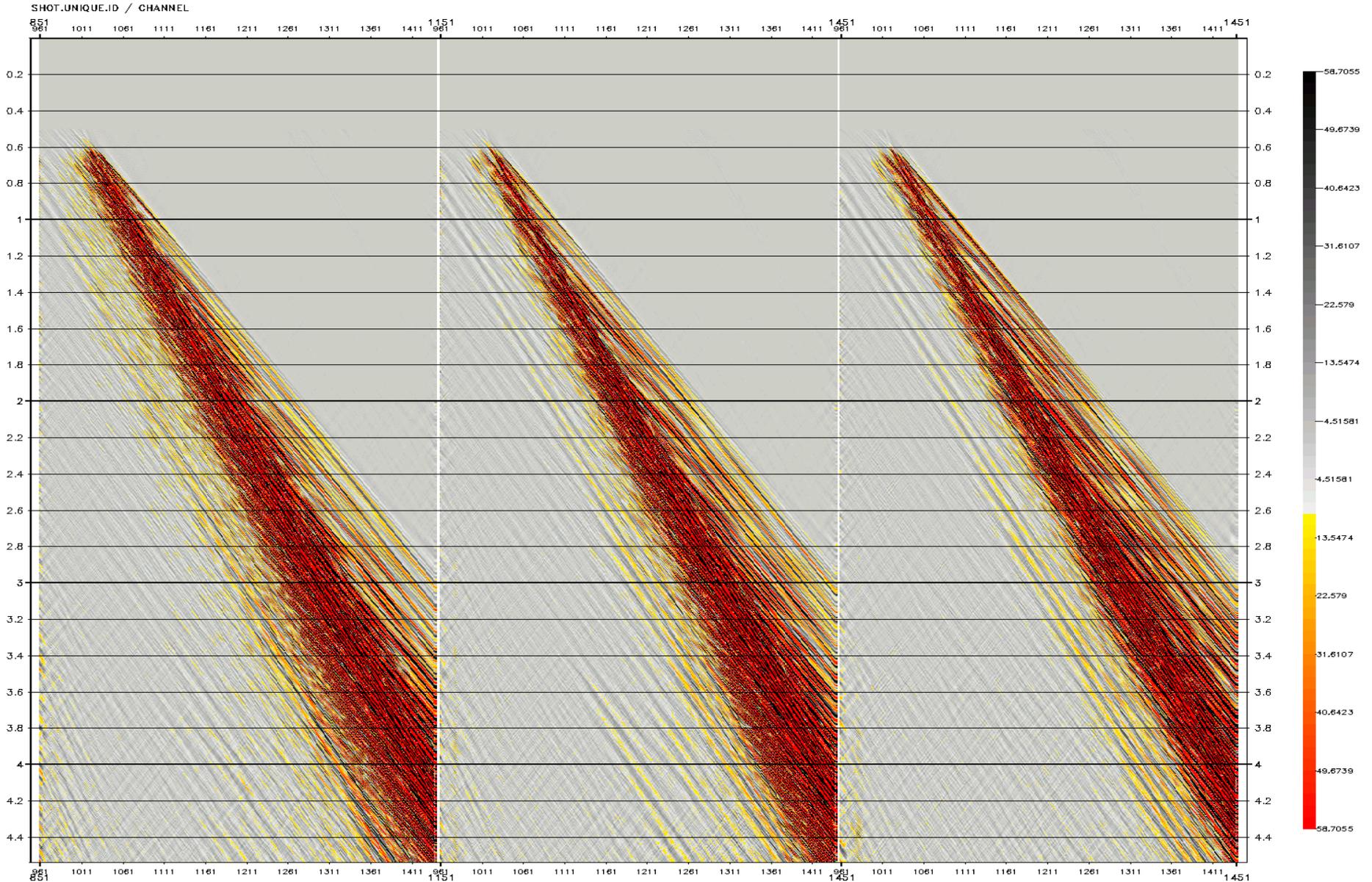
Shots - Difference display : Velocity 2250m/s

1378 noxrl sh1-1378 xrl2250 sh1



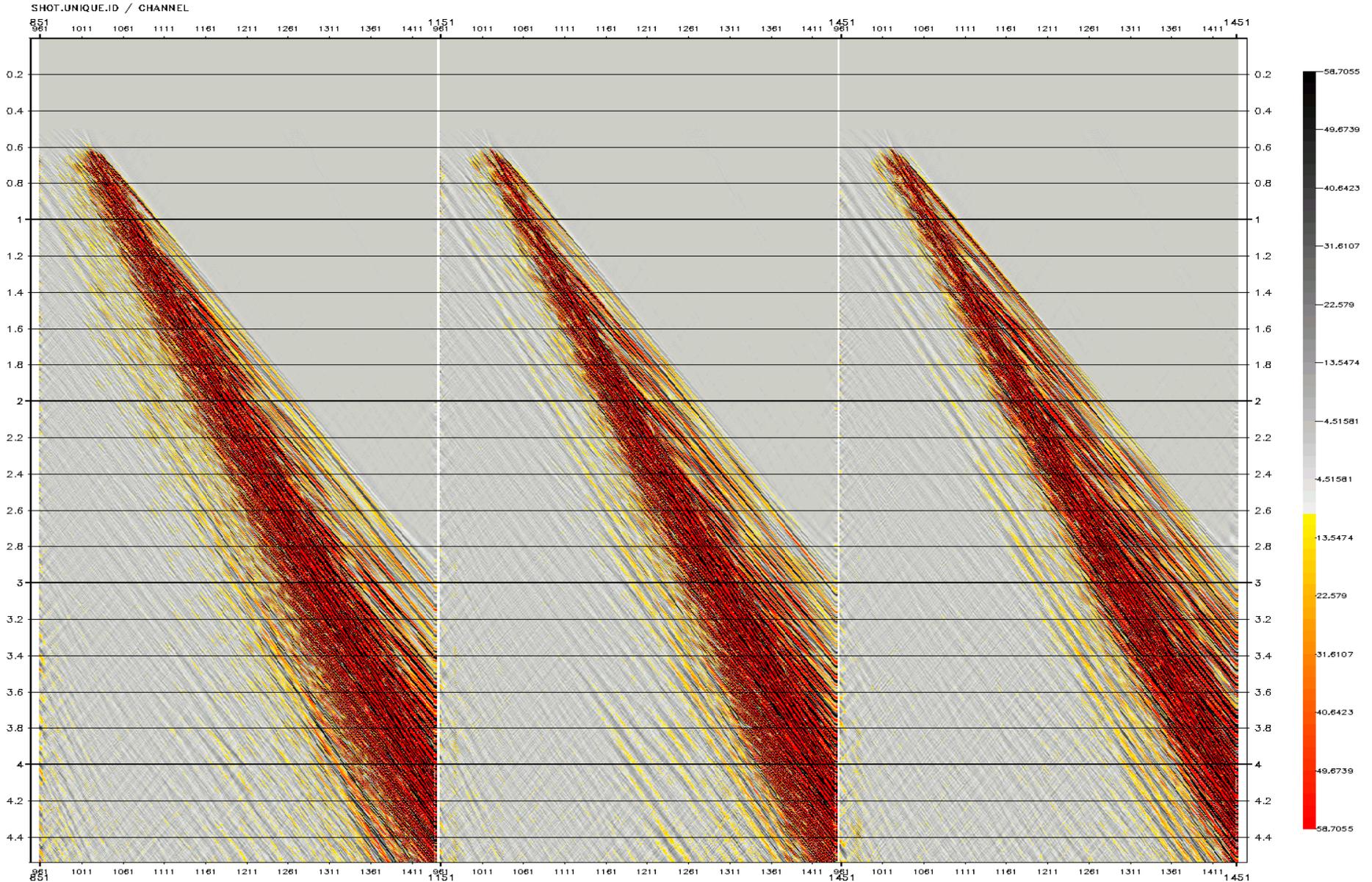
Shots - Difference display : Velocity 2500m/s

1378 noxrl sh1-1378 xrl2500 sh1



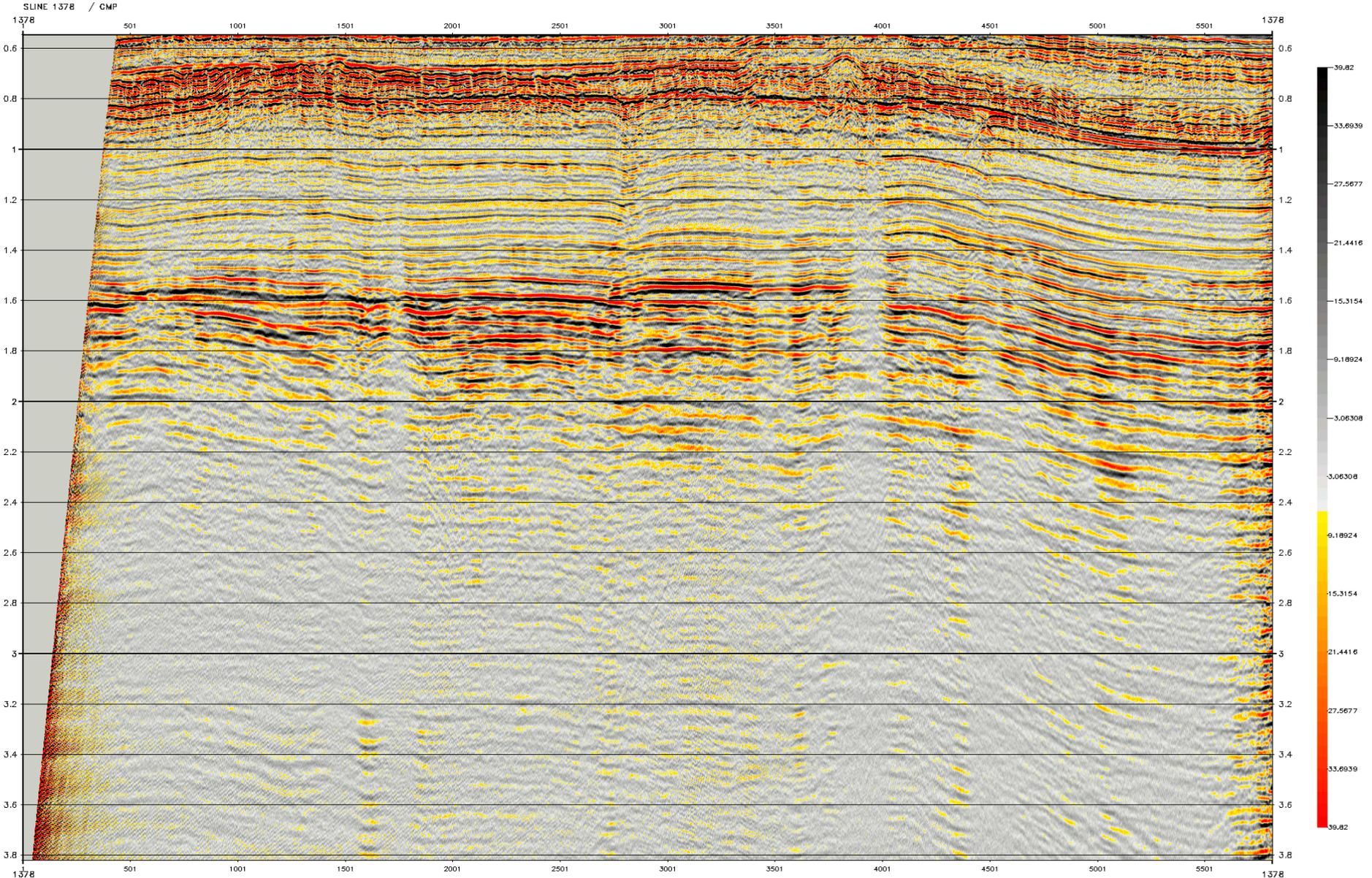
Shots - Difference display : Velocity 2750m/s

1378 noxrl sh1-1378 xrl2750 sh1



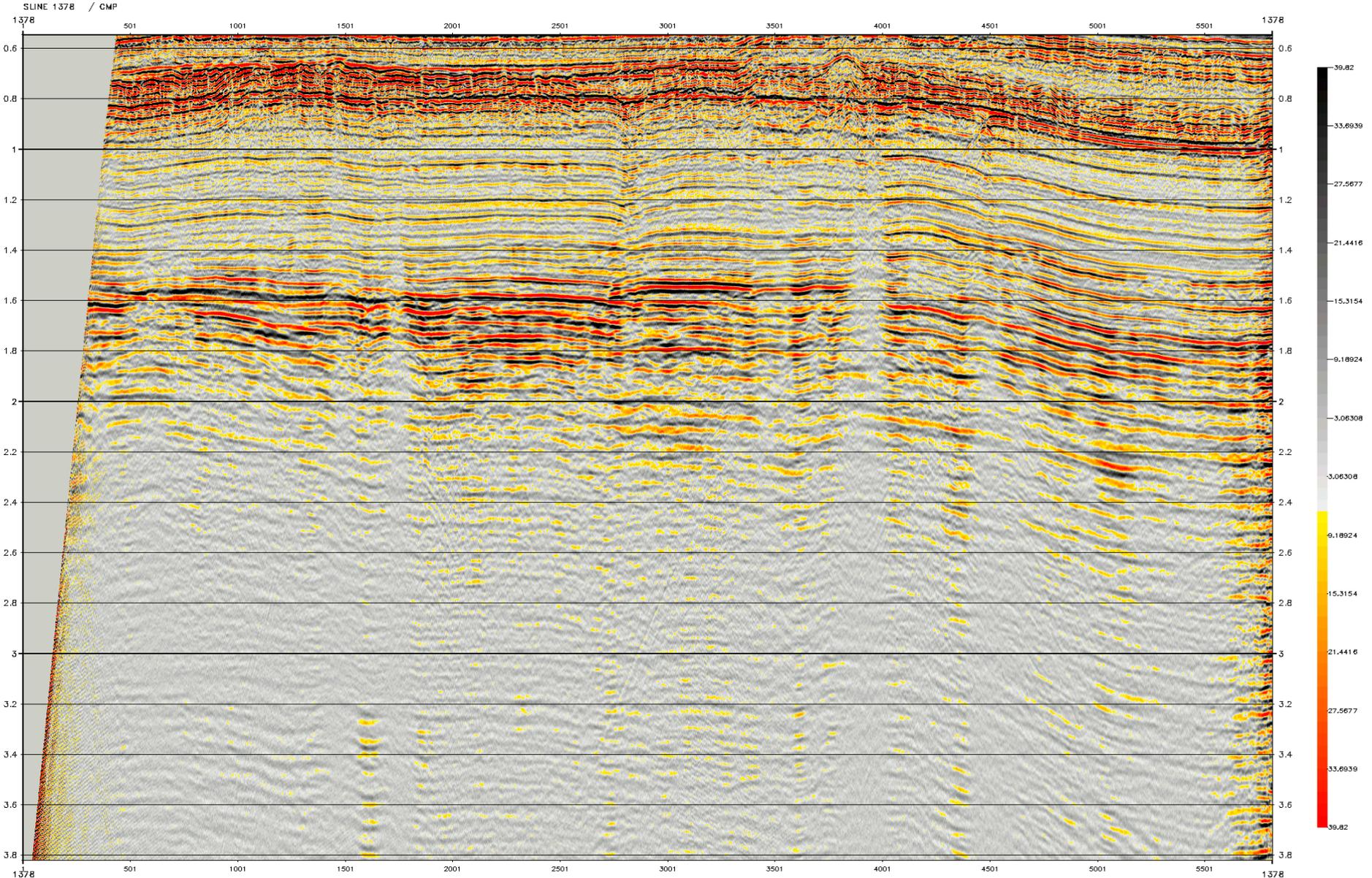
Stack **before** linear noise attenuation

Tango:vegas:spr224ws:s5631ap:1378 noxrl stk.1



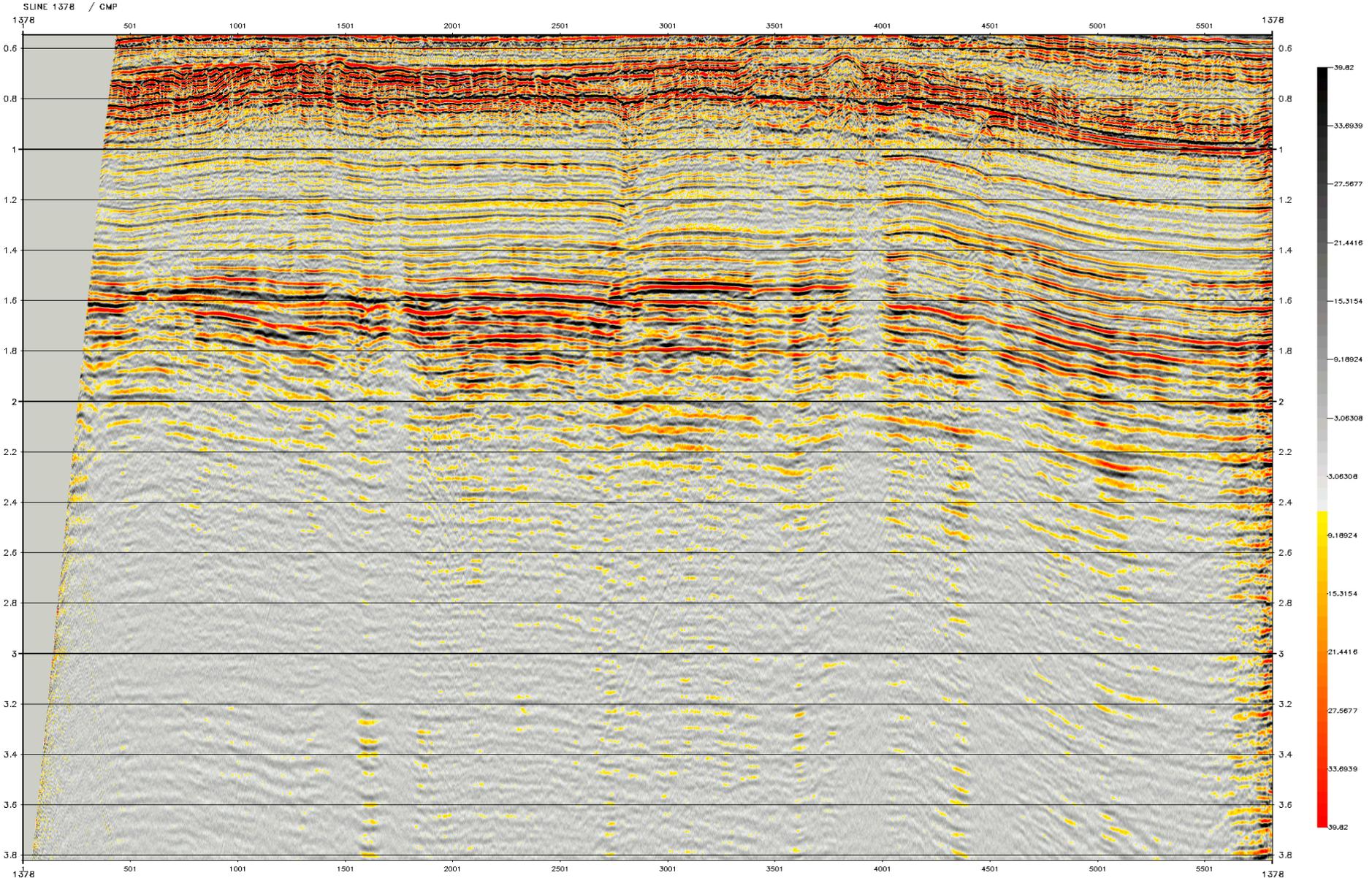
Stack after linear noise attenuation: Velocity 2250m/s

Tango:vegas:spr224ws:s563top:1378_xrl2250_stk.1



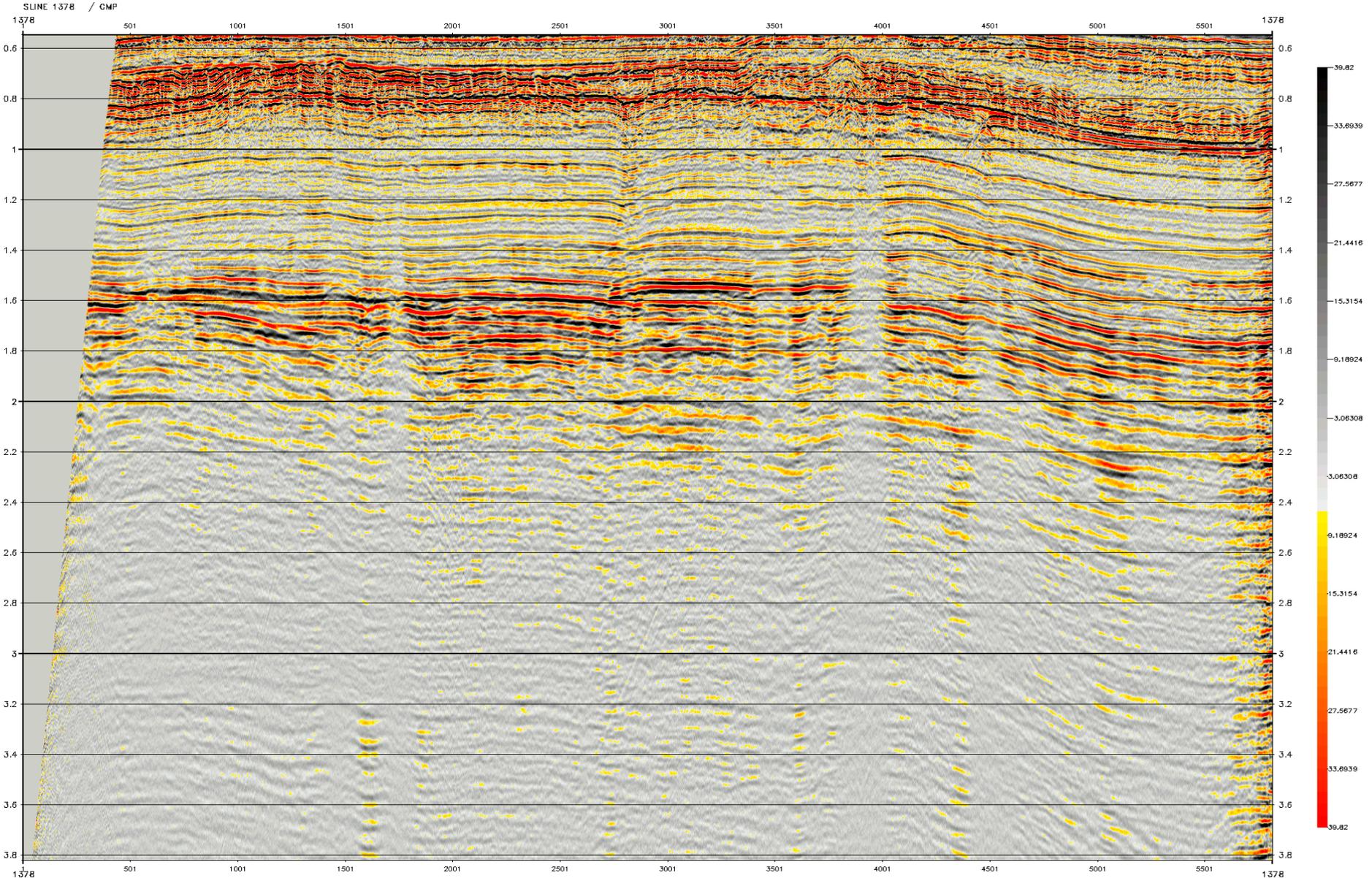
Stack after linear noise attenuation: Velocity 2500m/s

Tango:vegas:spr224ws:s563top:1378_xrl2500_stk.1



Stack after linear noise attenuation: Velocity 2750m/s

Tango:vegas:spr224ws:s563top:1378 xrl2750 stk.1



Stack - Difference display : Velocity 2250m/s

1378 noxr1 stk-1378 xrl2250 stk



Stack - Difference display : Velocity 2500m/s

1378 noxr1 stk-1378 xrl2500 stk



Stack - Difference display : Velocity 2750m/s

1378 noxrl stk-1378 xrl2750 stk



NMO corrected CDP gathers after linear noise attenuation with stacking mute graphed

Tango:vegas:spr224ws:s563tap:1198 amute3.1

