Tap Oil T/47P 3D PSTM

Tidal Static Correction

Test QC – Time Slice

(Selected Offsets – Near and Mid)

Processing flow:

1. Reformat SEGD 3592 to CGGVeritas internal format;
2. Navigation merge;
3. Trace edits;
4. Low-cut filter (3Hz, 18dB/oct);
5. Deterministic de-phase filter to convert data to zero phase using far field signature;
6. Resample from 2ms to 4ms using anti-alias filter(110Hz 96dB/oct);
7. System delay correction (-58ms);
8. Spherical divergence correction V*V*T using regional velocity;
9. Swell noise attenuation, 2 passes in shot domain.
10. Linear Noise Attenuation Parameters

   Transform range -1100 and 800

   Signal dips   -2500m/s to 2500m/s

   Frequency range   3 Hz to 125 Hz

   Application start time is   WBT + 500 msec

11. Tidal Static Correction Tests

DISPLAY:

Near Offset (500 ms)   ~ Time Slice Before and After Tidal Static Correction
Near Offset (1000 ms)   ~ Time Slice Before and After Tidal Static Correction
Near Offset (1500 ms)   ~ Time Slice Before and After Tidal Static Correction
Near Offset (2000 ms)   ~ Time Slice Before and After Tidal Static Correction

Mid Offset (1000 ms)   ~ Time Slice Before and After Tidal Static Correction
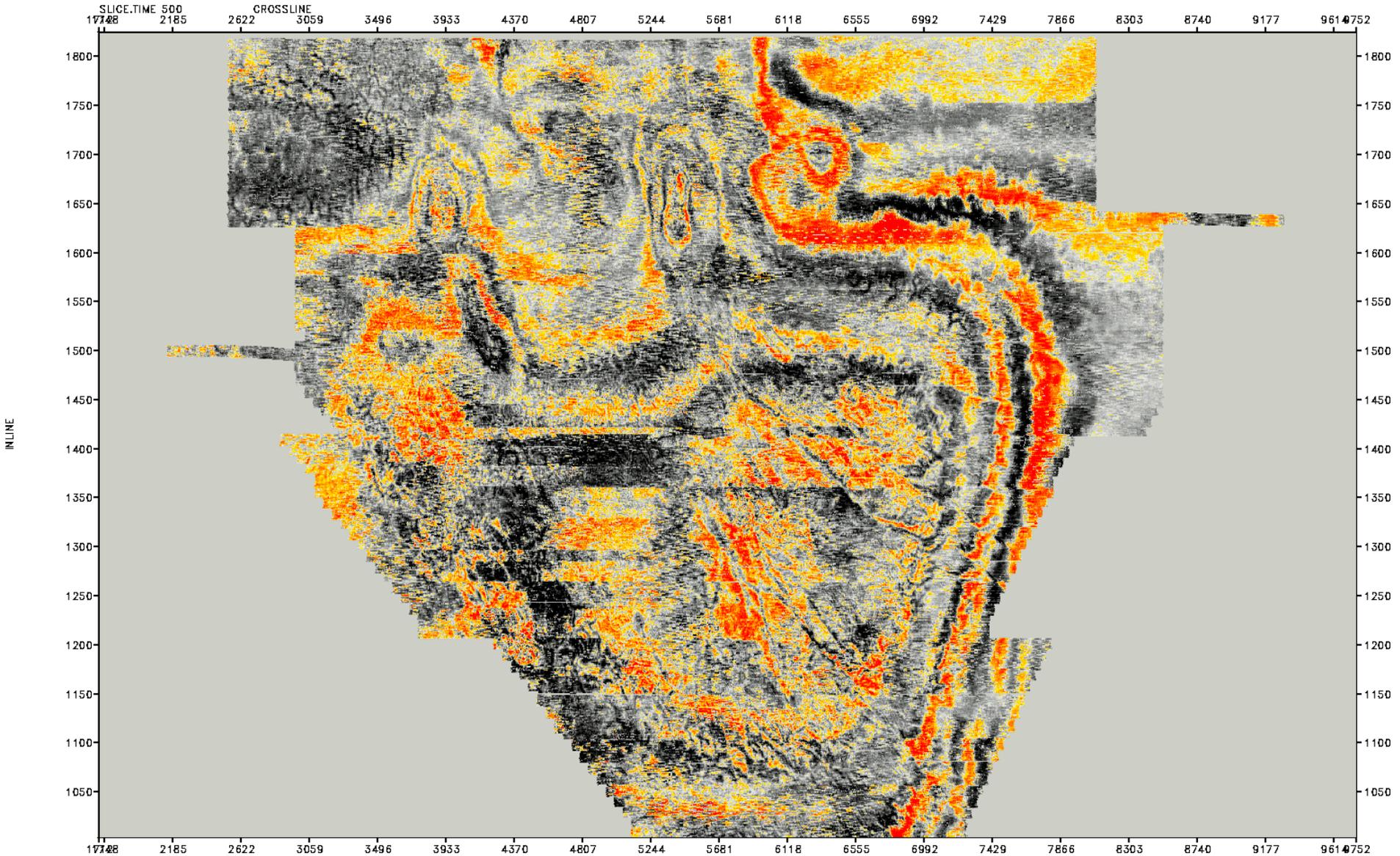Mid Offset (1500 ms)   ~ Time Slice Before and After Tidal Static Correction
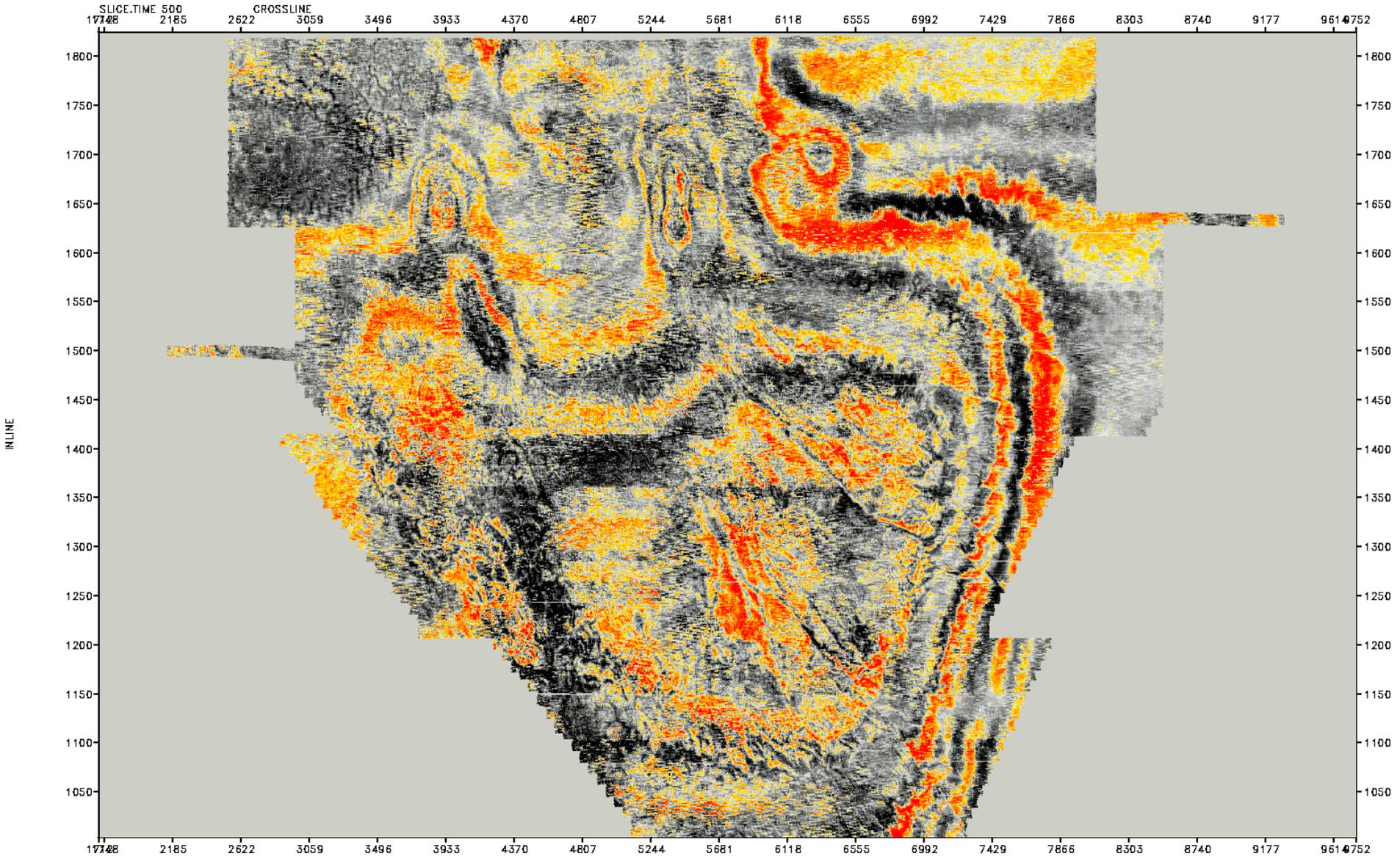Mid Offset (2000 ms)   ~ Time Slice Before and After Tidal Static Correction

Near Offset (0444) Timeslice Before Tidal Static Correction @ 500 ms
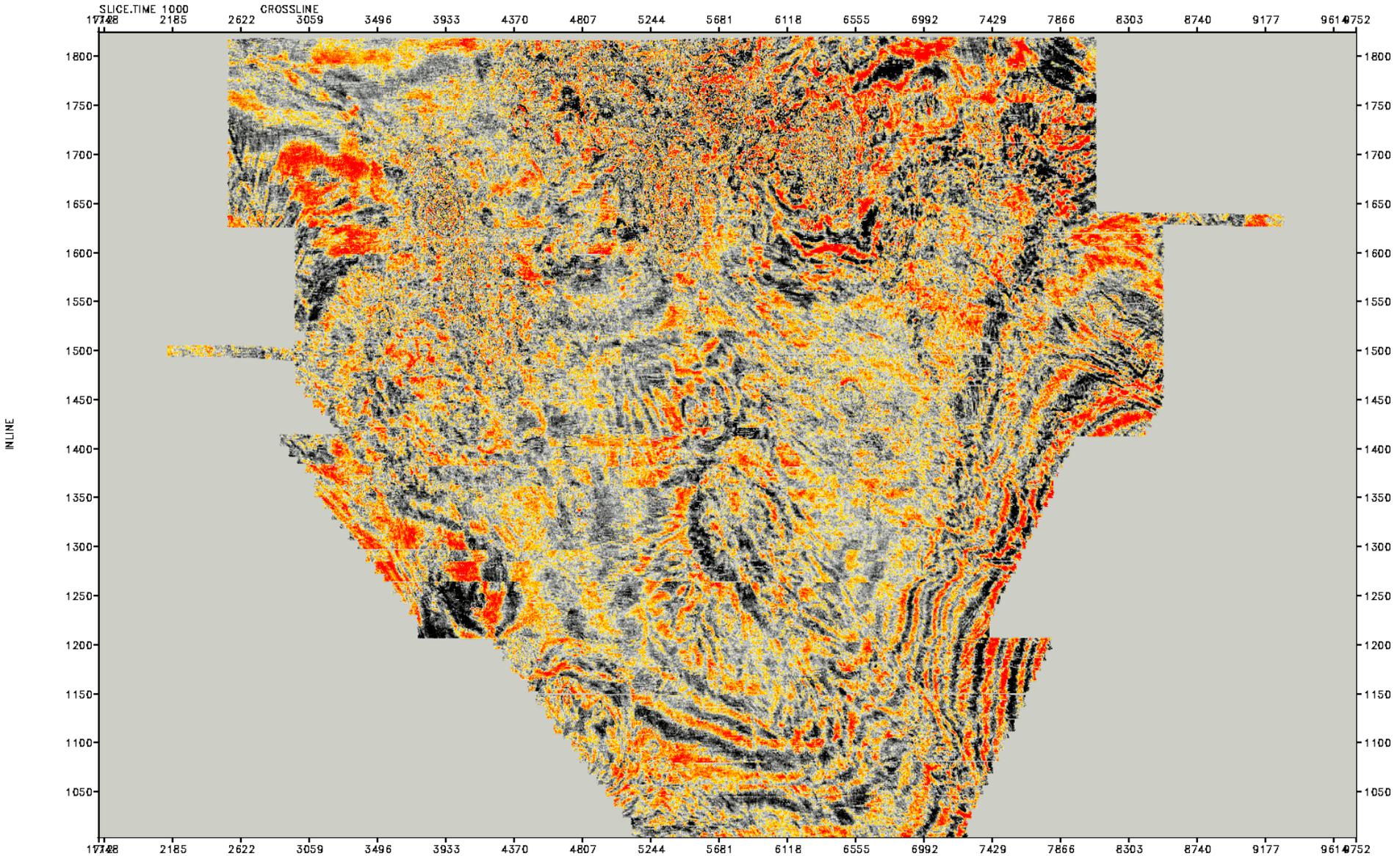
Near Offset (0444) Timeslice After Tidal Static Correction @ 500 ms
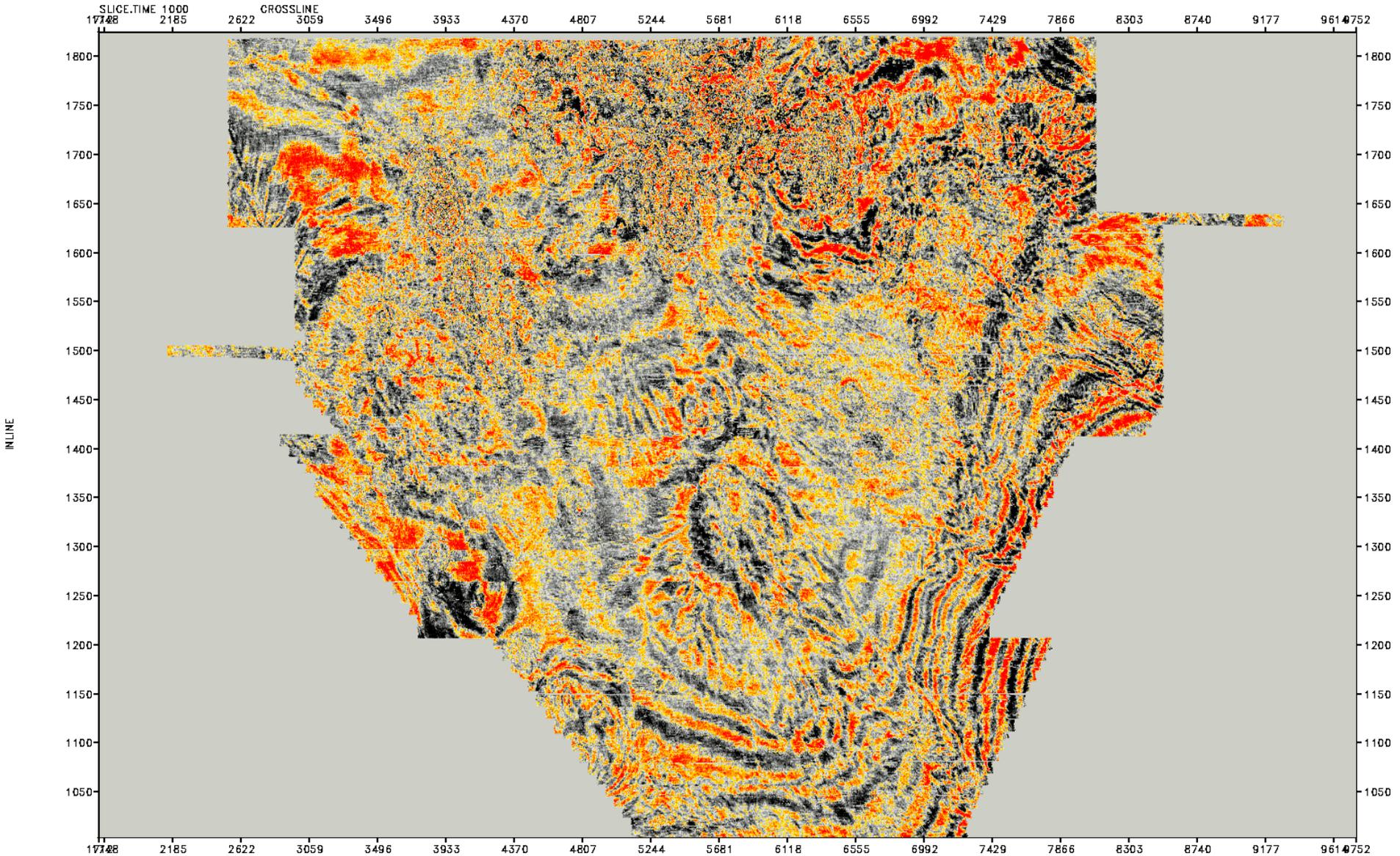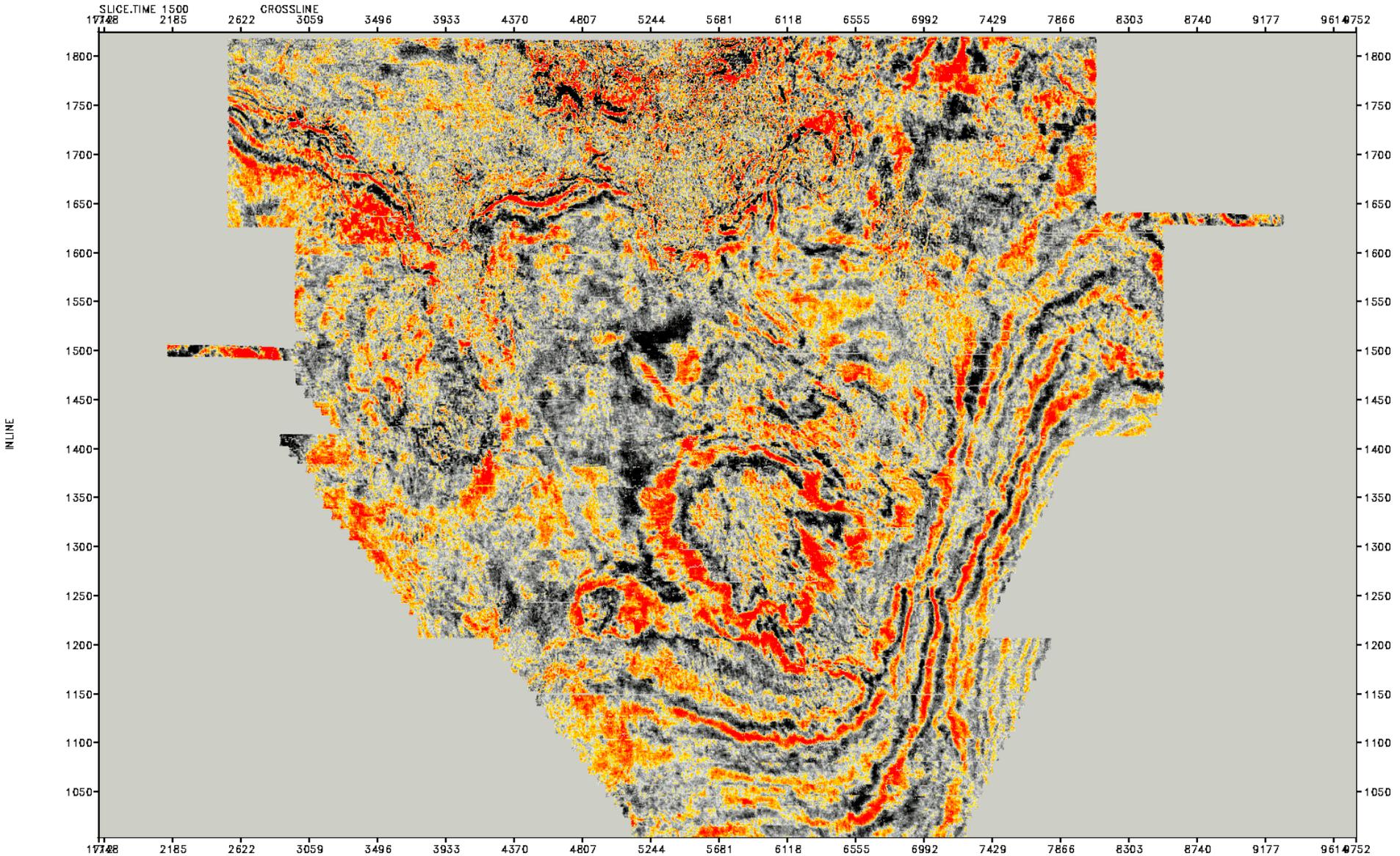

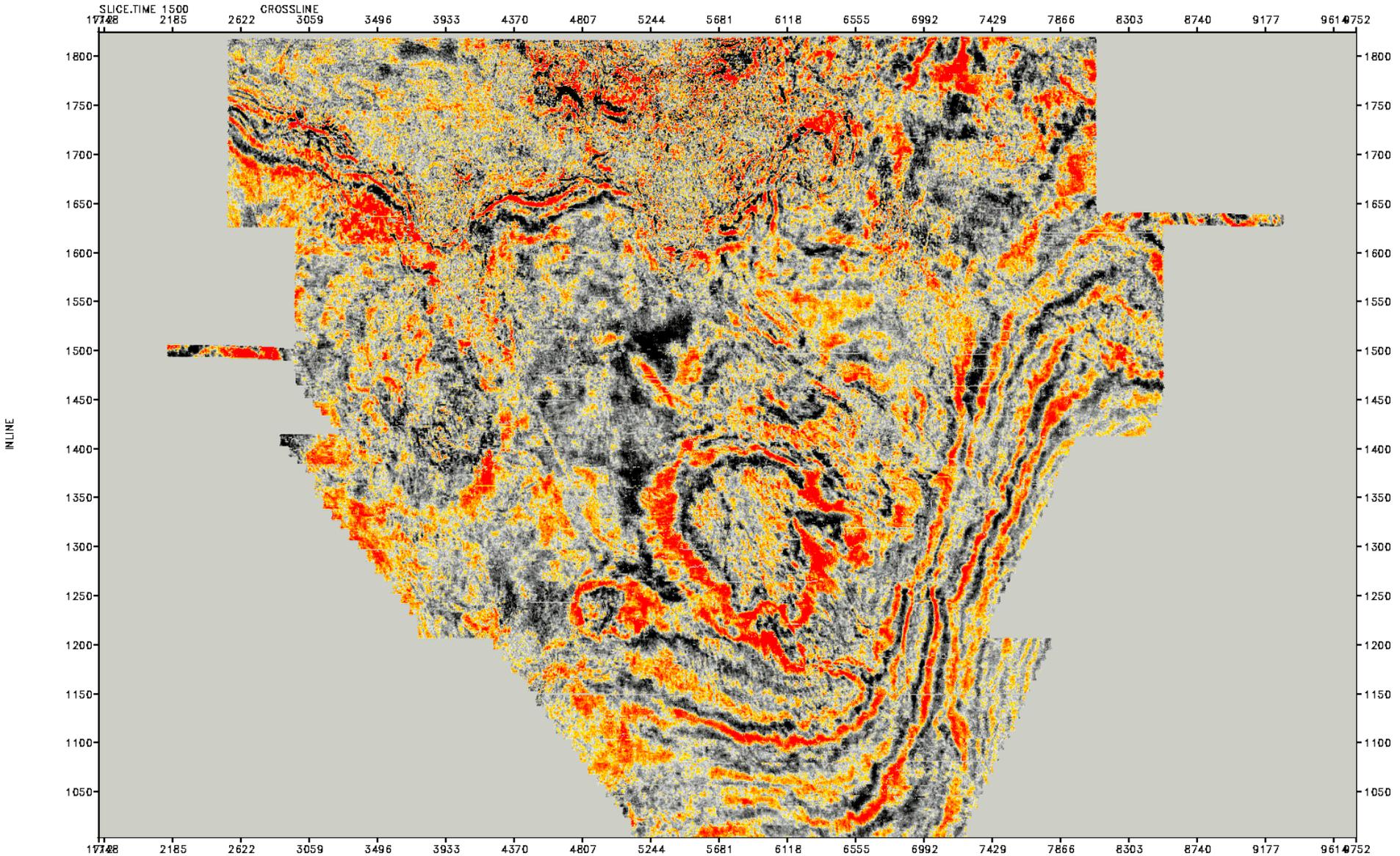Tango::spr208pc:s563tap:nearoff tsltd.4

Near Offset (0444) Timeslice Before Tidal Static Correction @ 1000 ms

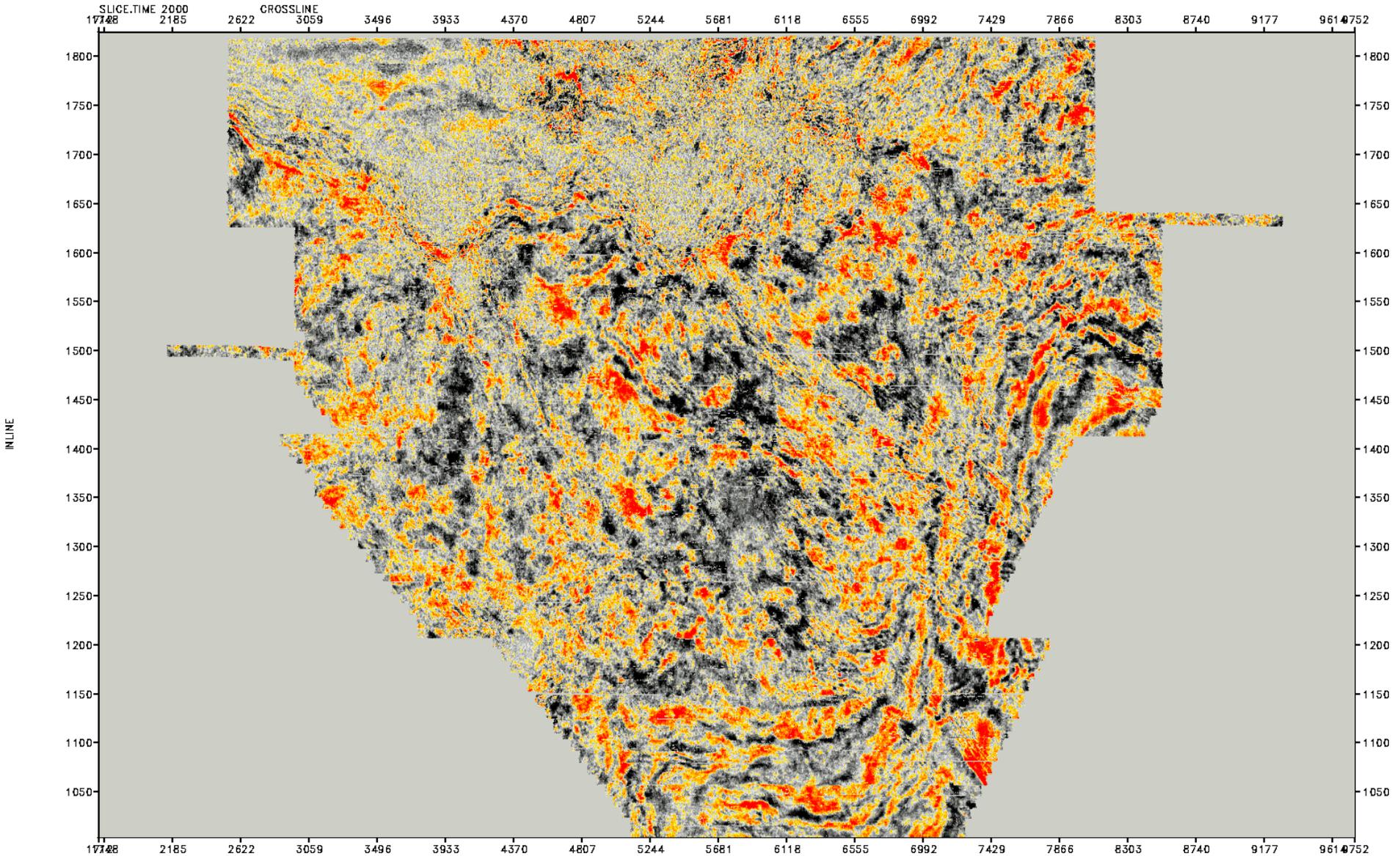Tango::spr208pc:s563tap:nearoff tsl.2

Near Offset (0444) Timeslice After Tidal Static Correction @ 1000 ms

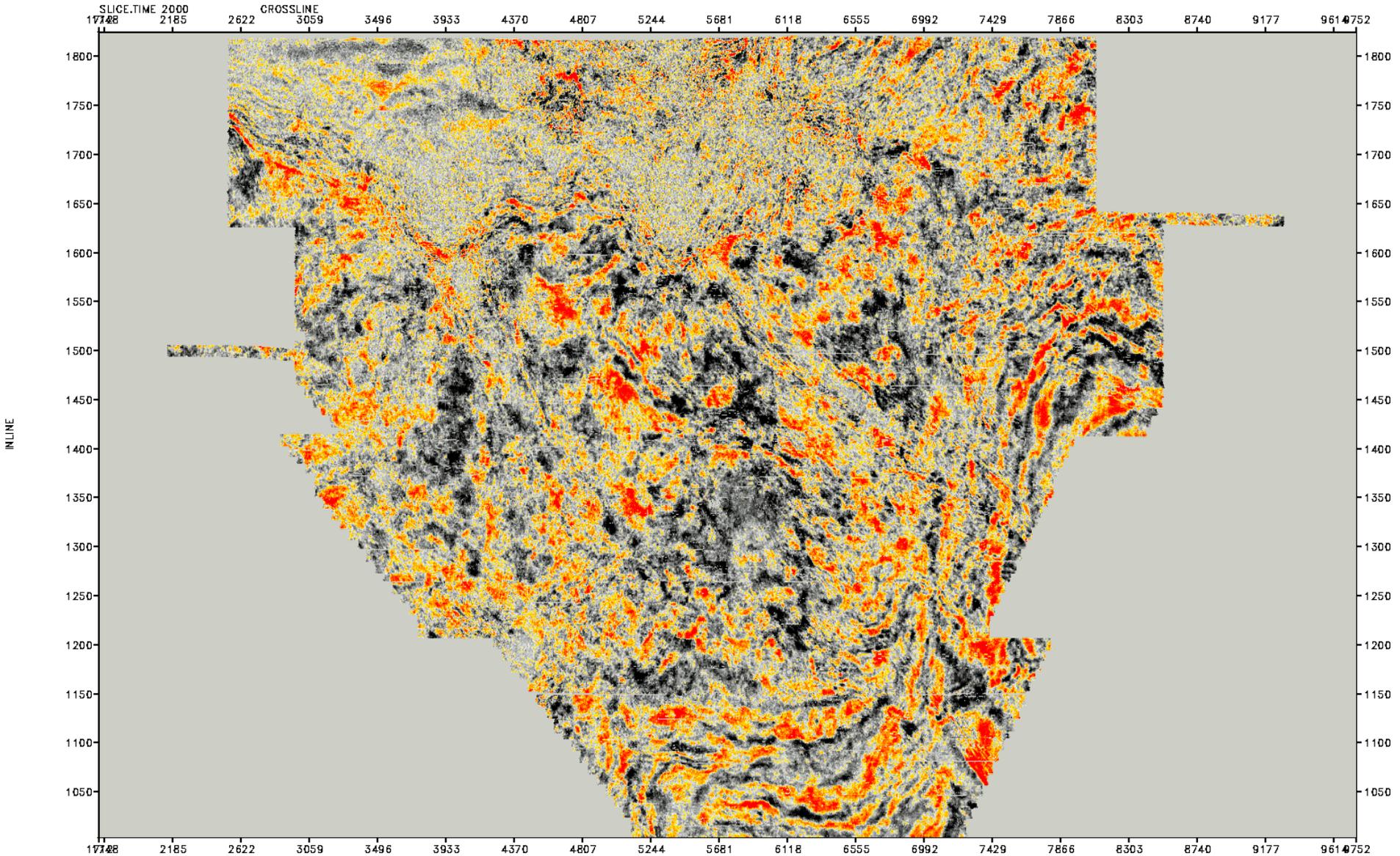Tango::spr208pc:s563tap:nearoff_tsltd.4

Near Offset (0444) Timeslice Before Tidal Static Correction @ 1500 ms

Tango::spr208pc:s563tap:nearoff tsl.2

Near Offset (0444) Timeslice After Tidal Static Correction @ 1500 ms

Tango::spr208pc:s563tap:nearoff_tsltd.4

Near Offset (0444) Timeslice Before Tidal Static Correction @ 2000 ms
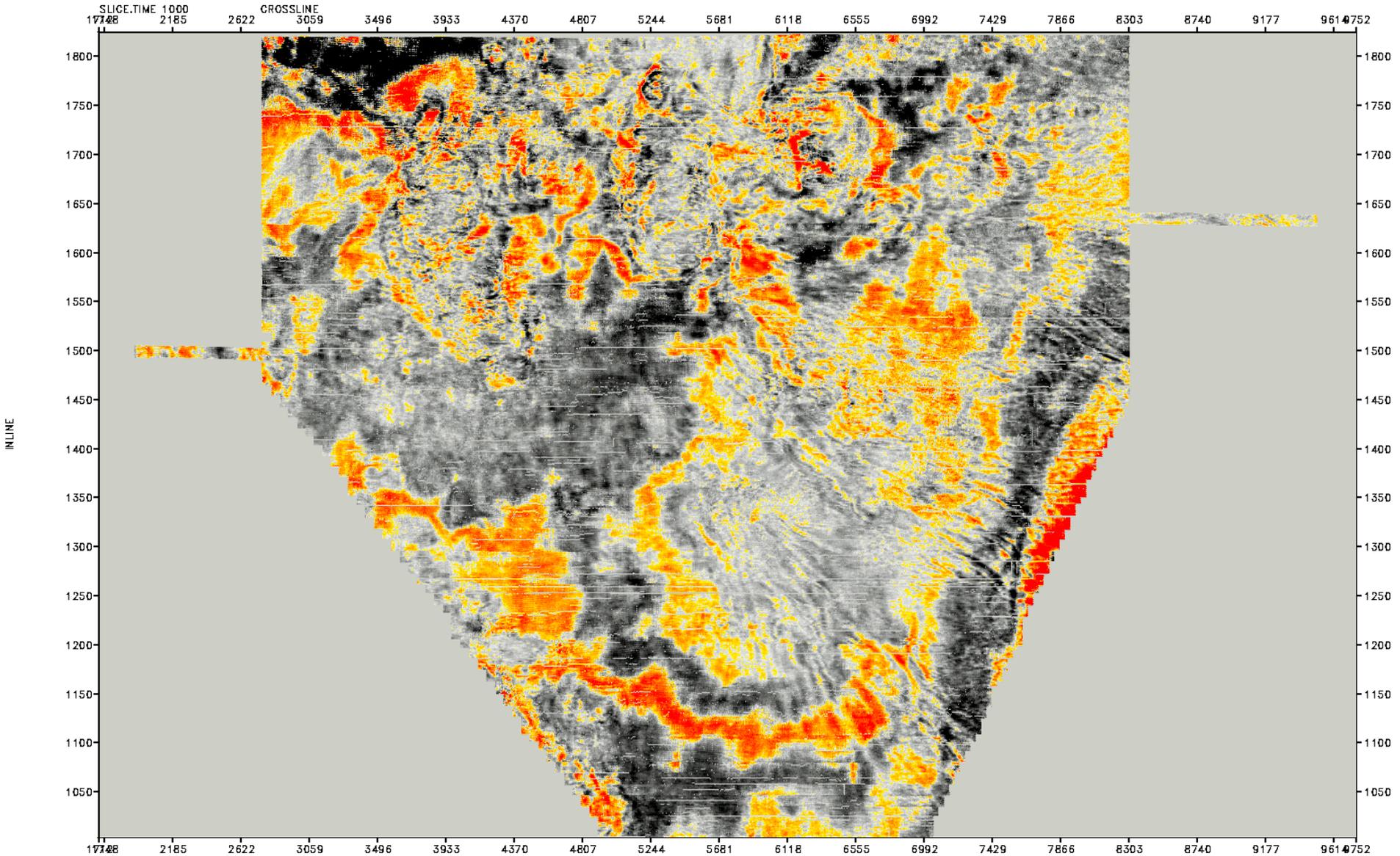
Tango::spr208pc:s563tap:nearoff tsl.2

Near Offset (0444) Timeslice After Tidal Static Correction @ 2000 ms

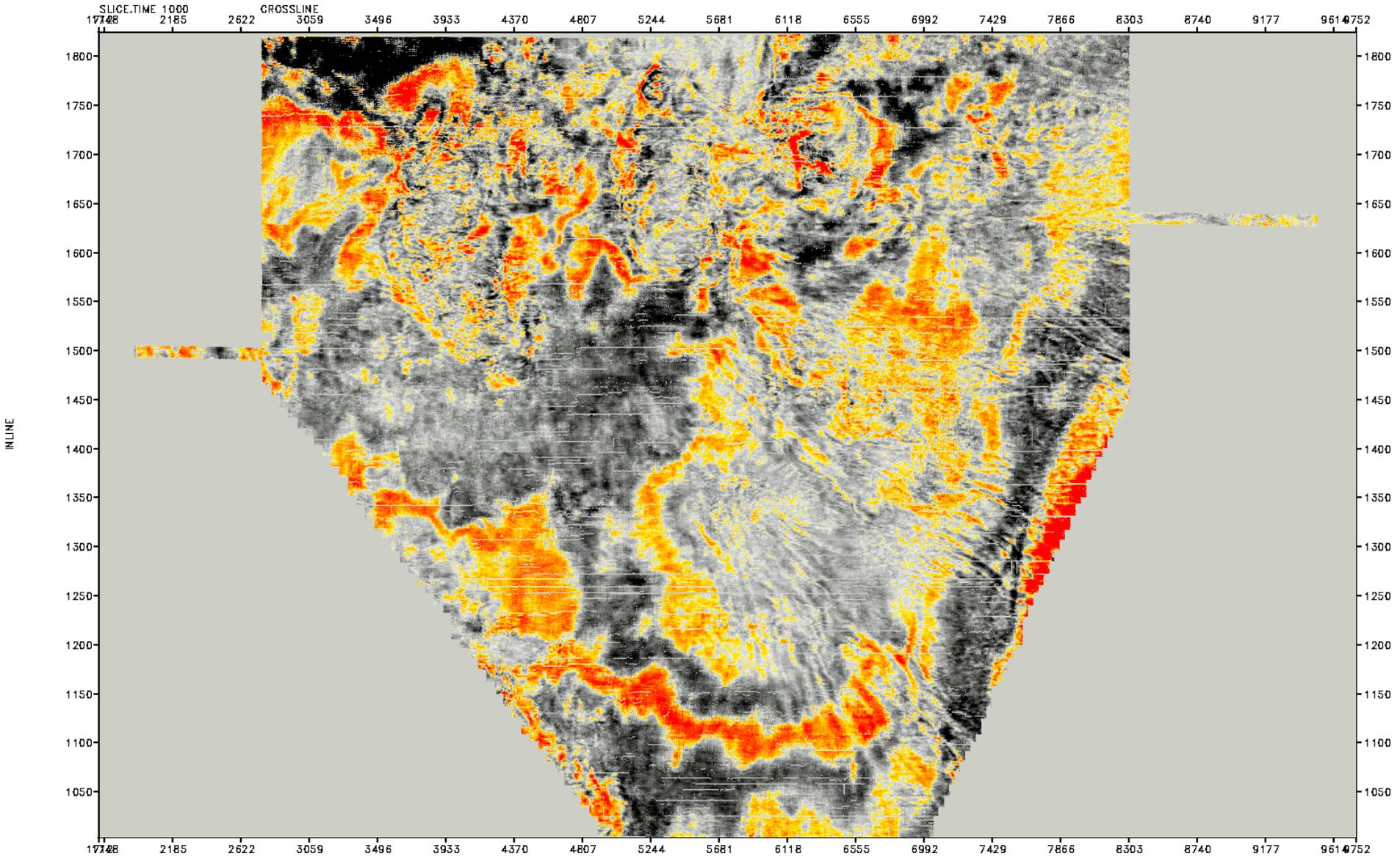Tango::spr208pc:s563tap:nearoff tsltd.4

Mid Offset (3069) Timeslice Before Tidal Static Correction @ 1000 ms
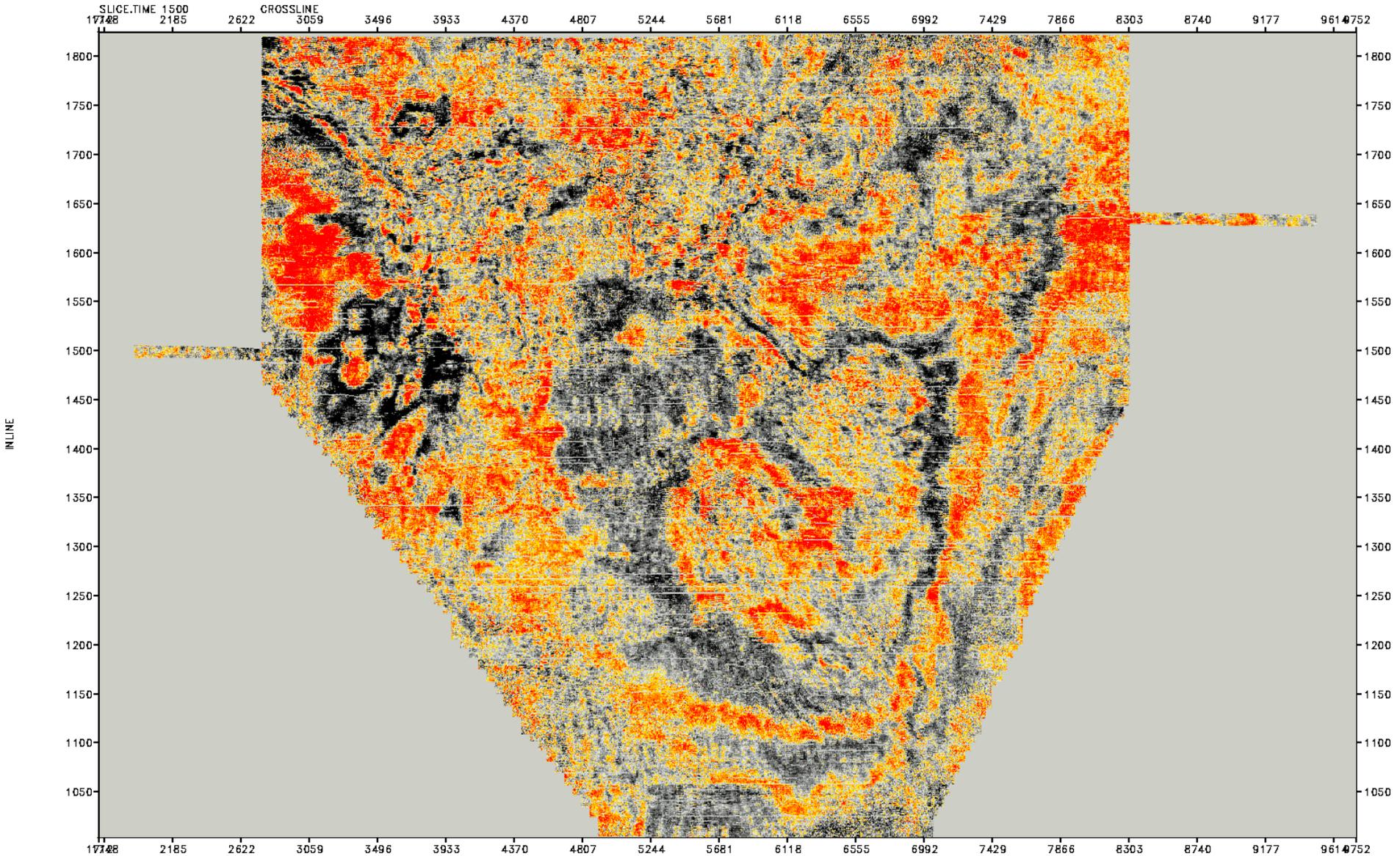

Tango::spr208pc:s563tap:midoff_tsl.1

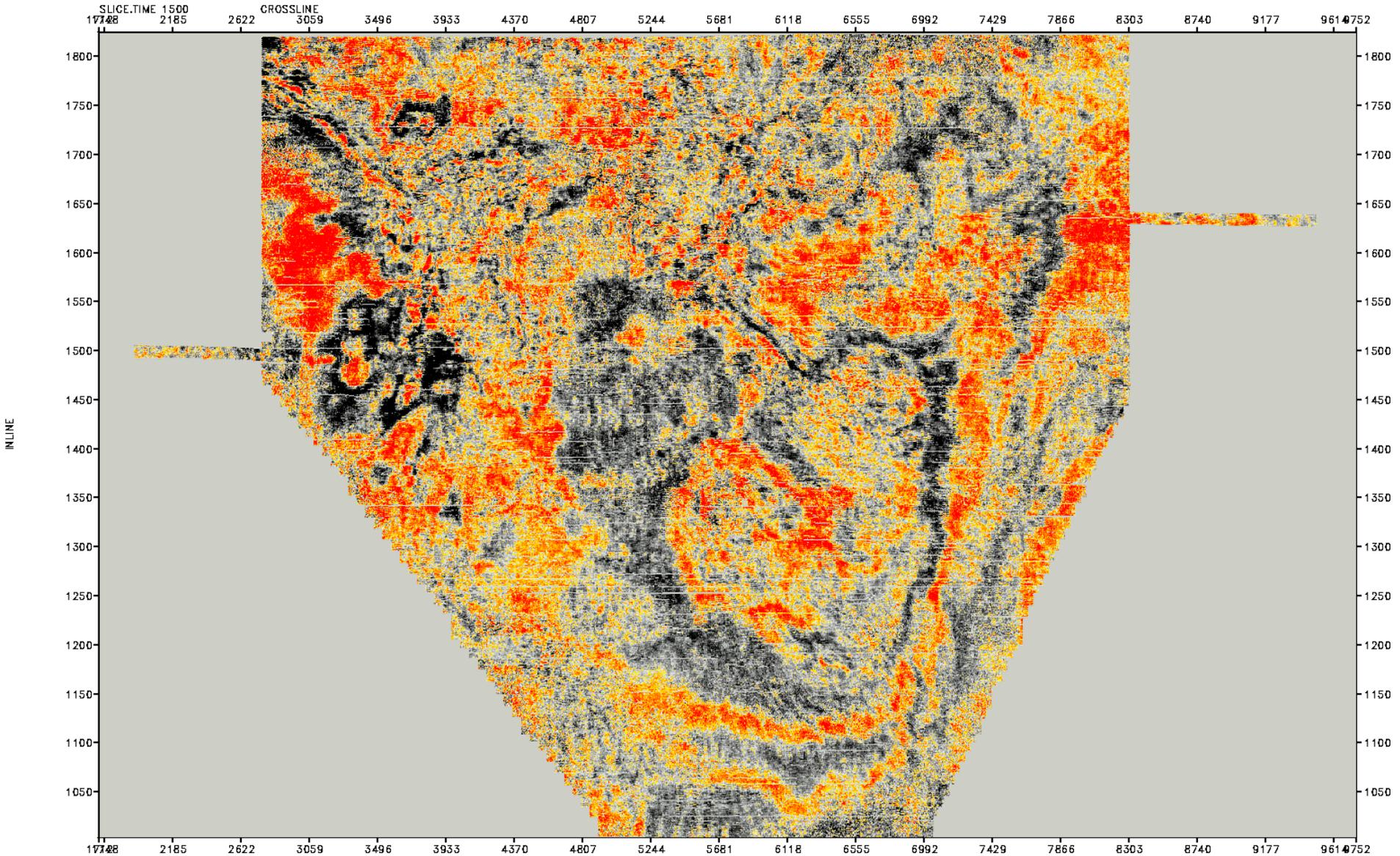# Mid Offset (3069) Timeslice After Tidal Static Correction @ 1000 ms

Mid Offset (3069) Timeslice Before Tidal Static Correction @ 1500 ms
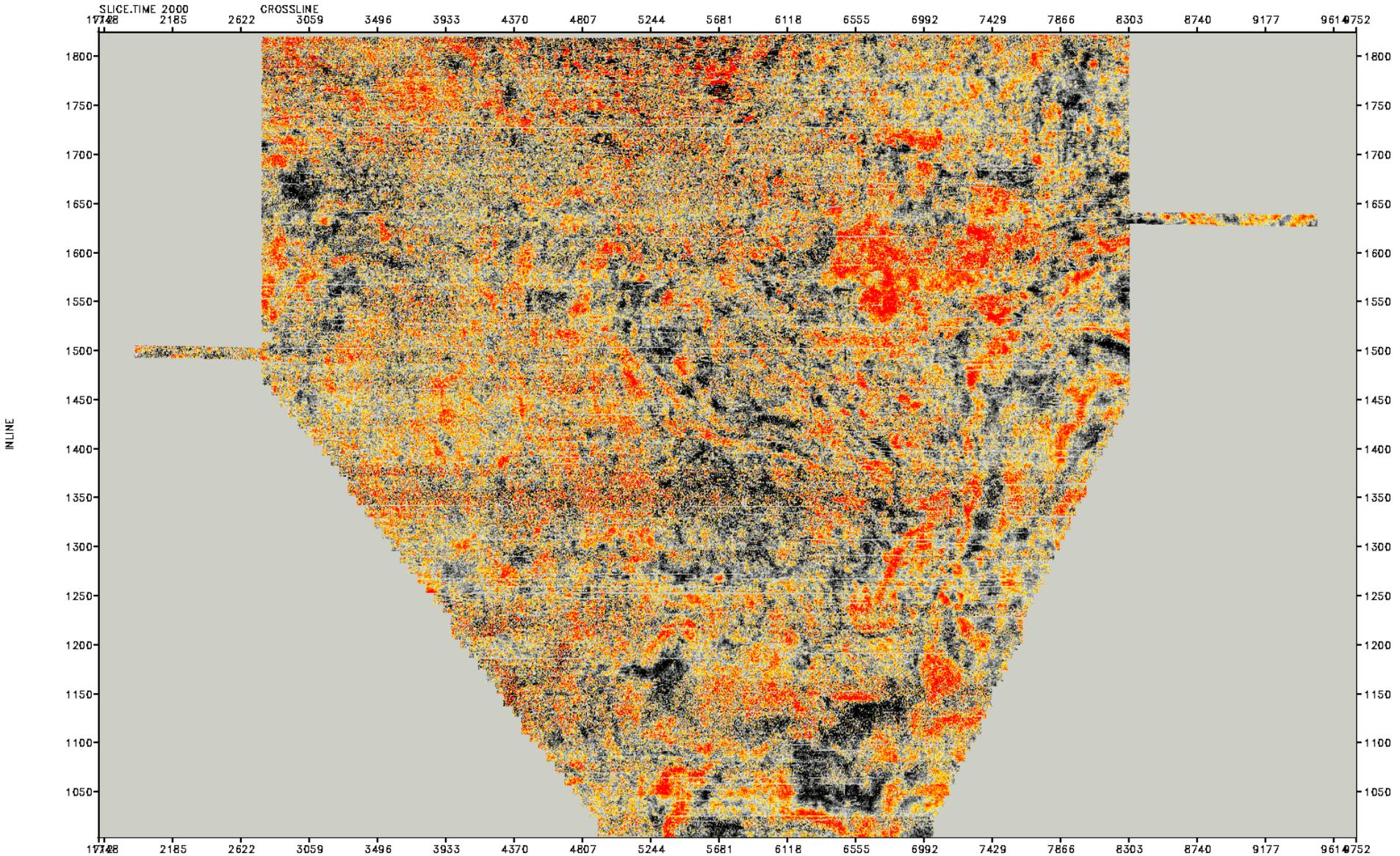
Tango::spr208pc:s563tap:midoff_tsl.1

Mid Offset (3069) Timeslice After Tidal Static Correction @ 1500 ms

Tango::spr208pc:s563tap:midoff_tsltd.1

Mid Offset (3069) Timeslice Before Tidal Static Correction @ 2000 ms

Tango::spr208pc:s563tap:midoff tsl.1

Mid Offset (3069) Timeslice After Tidal Static Correction @ 2000 ms

Tango::spr208pc:s563tap:midoff_tslfd.1