

Tap Oil T/47P 3D PSTM



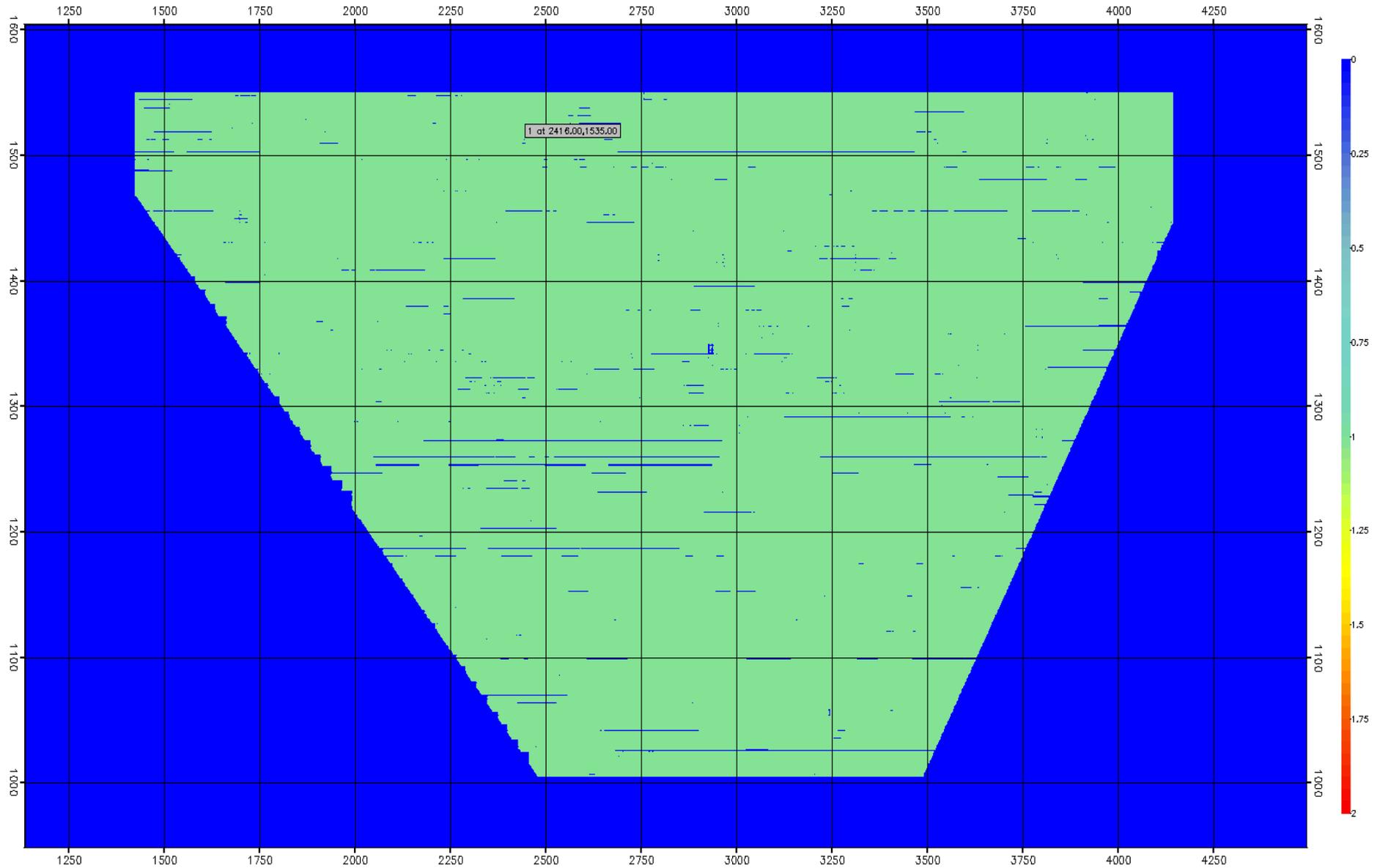
3D binning, data regularization and bin centering
Middle offset 3145

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, Velocity -2500m/s to 2500m/s**
- **Tidal static correction**
- **Tau-P de-convolution, operator length 280 and gap 24ms**
- **First pass velocity analysis on 1km x 1km grid**
- **NMO with QC'ed velocity**
- **Alternate trace drop with K – filter**
- **Interpolate one trace in cdp domain**
- **High resolution radon demultiple**
- **Remove the interpolated trace**
- **Channel Scaling**
- **Post radon despiking**
- **Post radon linear noise attenuation**
- **3D binning 12.5 X 25 m grid**
- **Fold regularization and bin centering (RALFT3D)**

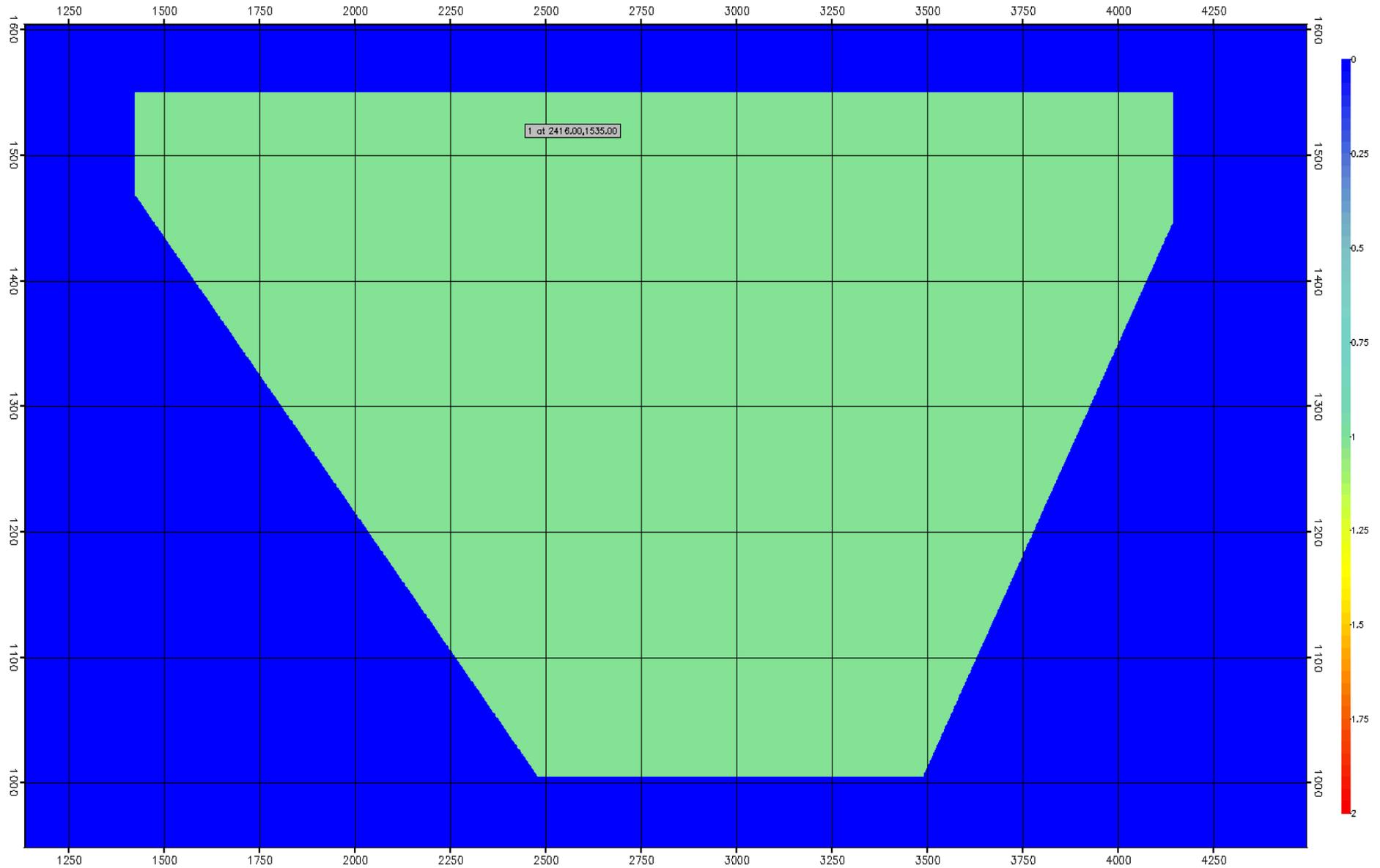
Fold map – 3D binned data *before* trace interpolation

Tango::spr164pcs:5631ap:3145 unld p/CMP.FOLD



Fold map – 3D binned data *after* trace interpolation

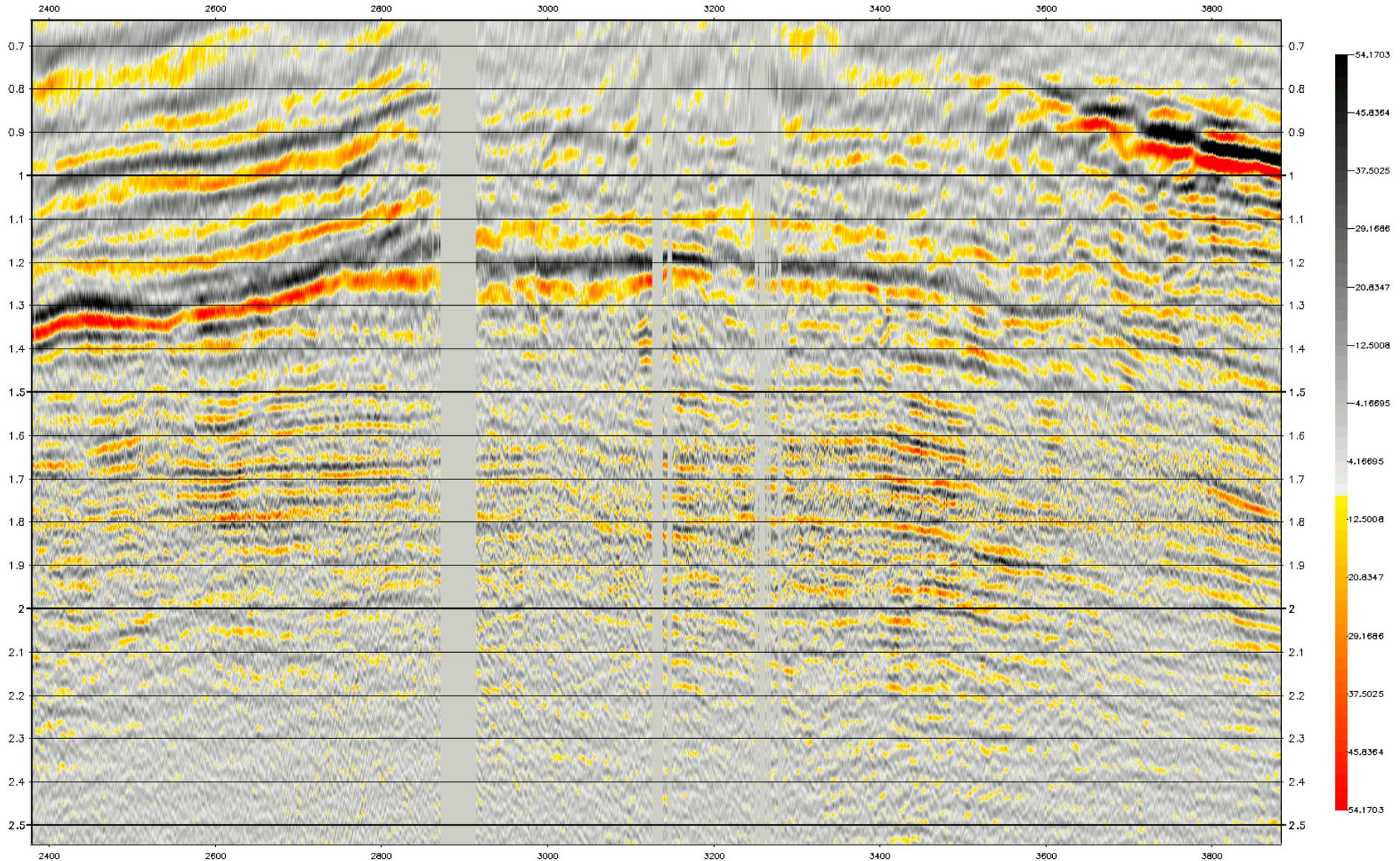
Tango::spr164pc:s563tap:3145 ref p/CMP.FOLD



Inline 1287: 3D binned data **before** trace interpolation and bin centering

Tango::spr164pc:s563tap:3145 unldg.1

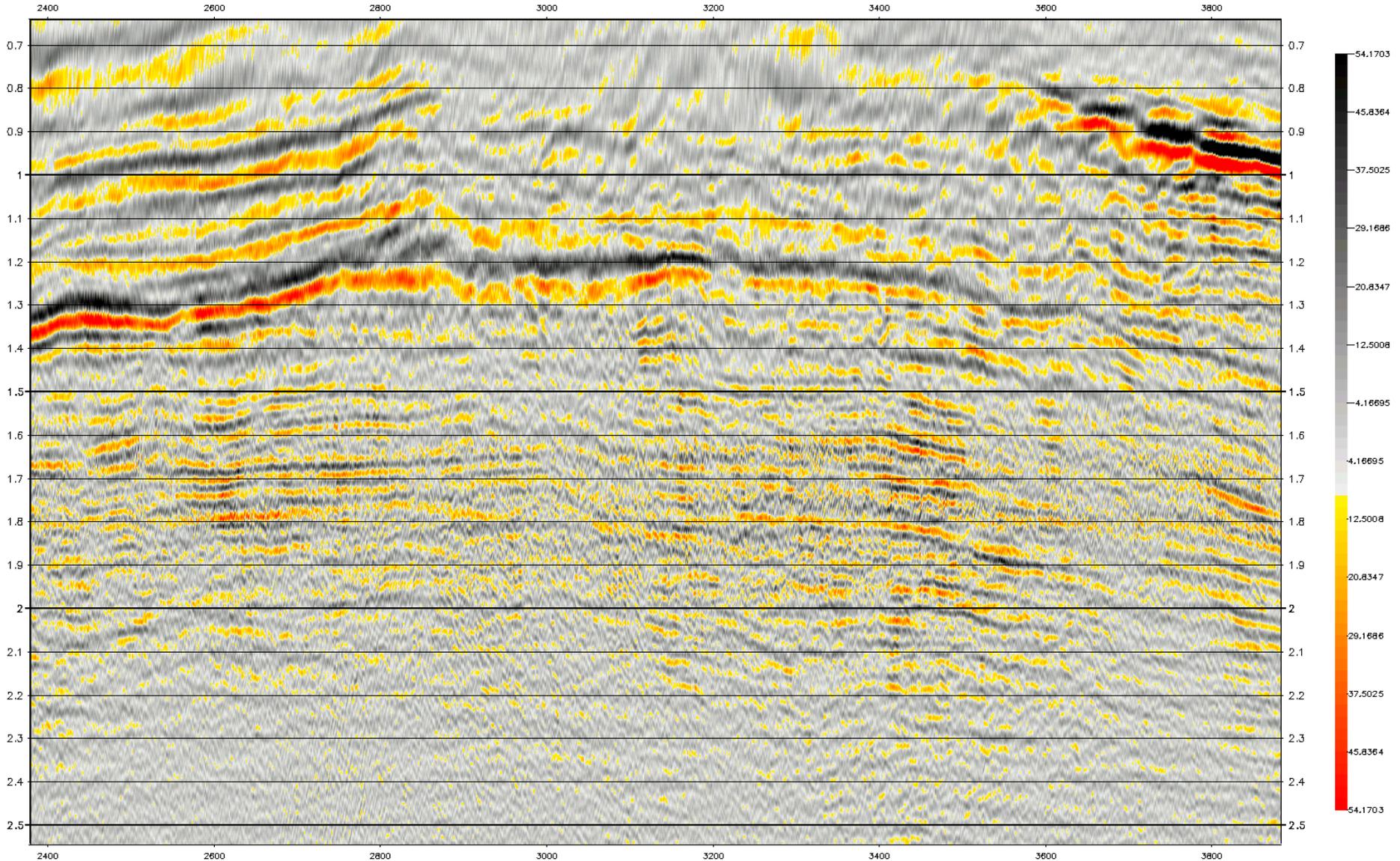
INLINE / CROSSLINE



Inline 1287: 3D binned data **after** trace interpolation **without** bin centering

Tango::spr164pc:s563lap:31451st noc raf.1

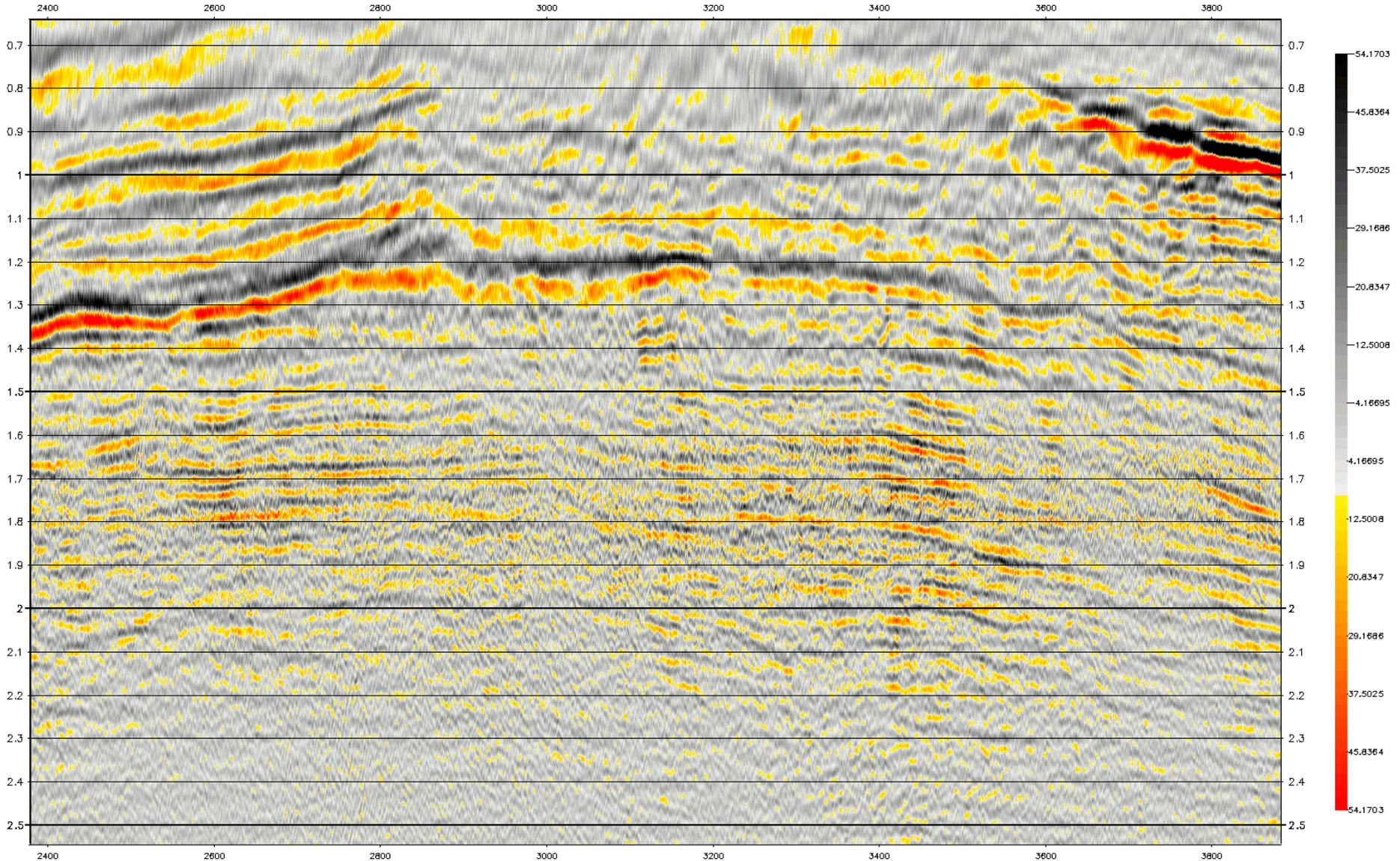
INLINE / CROSSLINE



Inline 1287: 3D binned data after trace interpolation with bin centering

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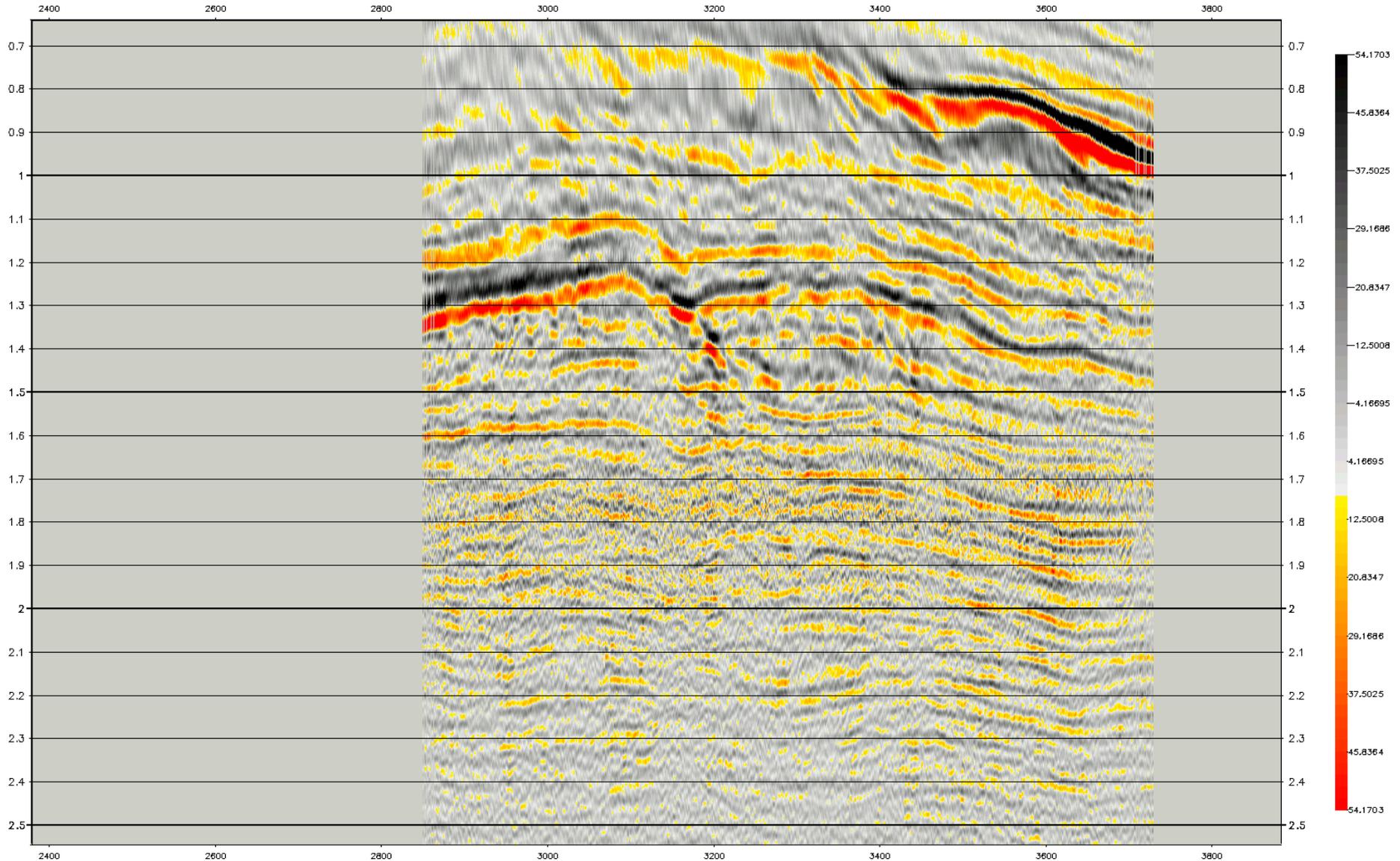
INLINE / CROSSLINE



Inline 1341: 3D binned data **before** trace interpolation and bin centering

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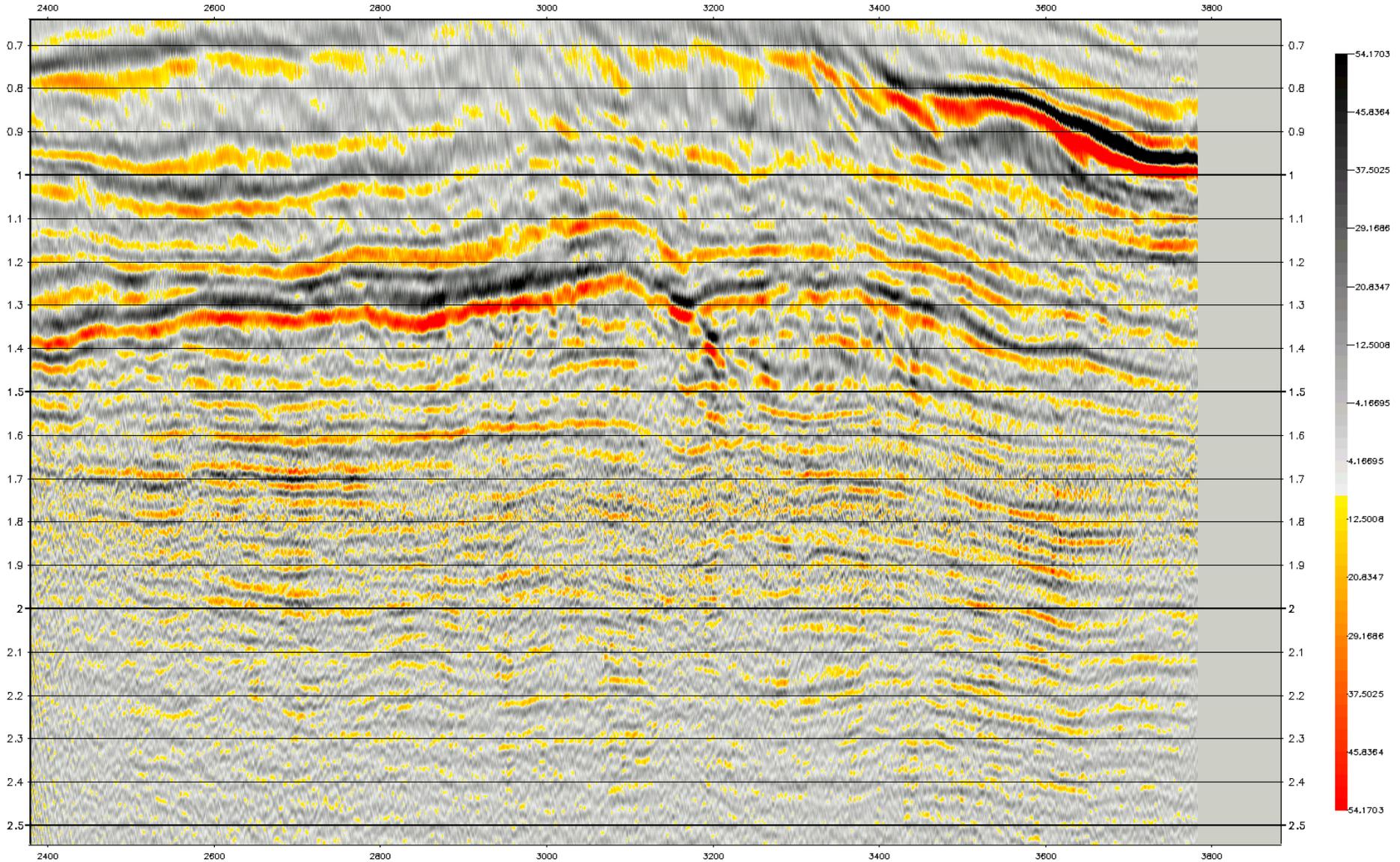
INLINE / CROSSLINE



Inline 1341: 3D binned data **after** trace interpolation **without** bin centering

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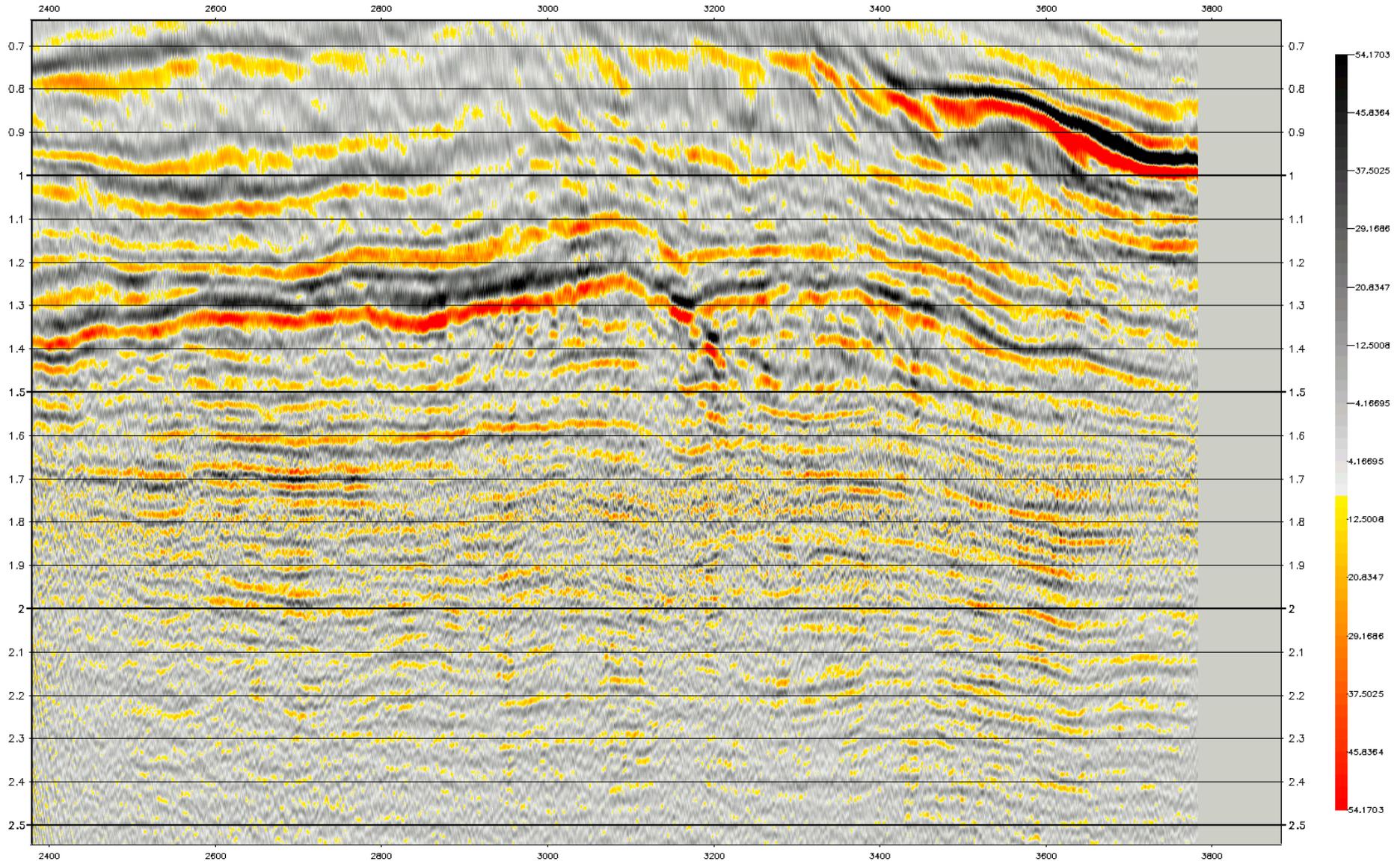
INLINE / CROSSLINE



Inline 1341: 3D binned data after trace interpolation with bin centering

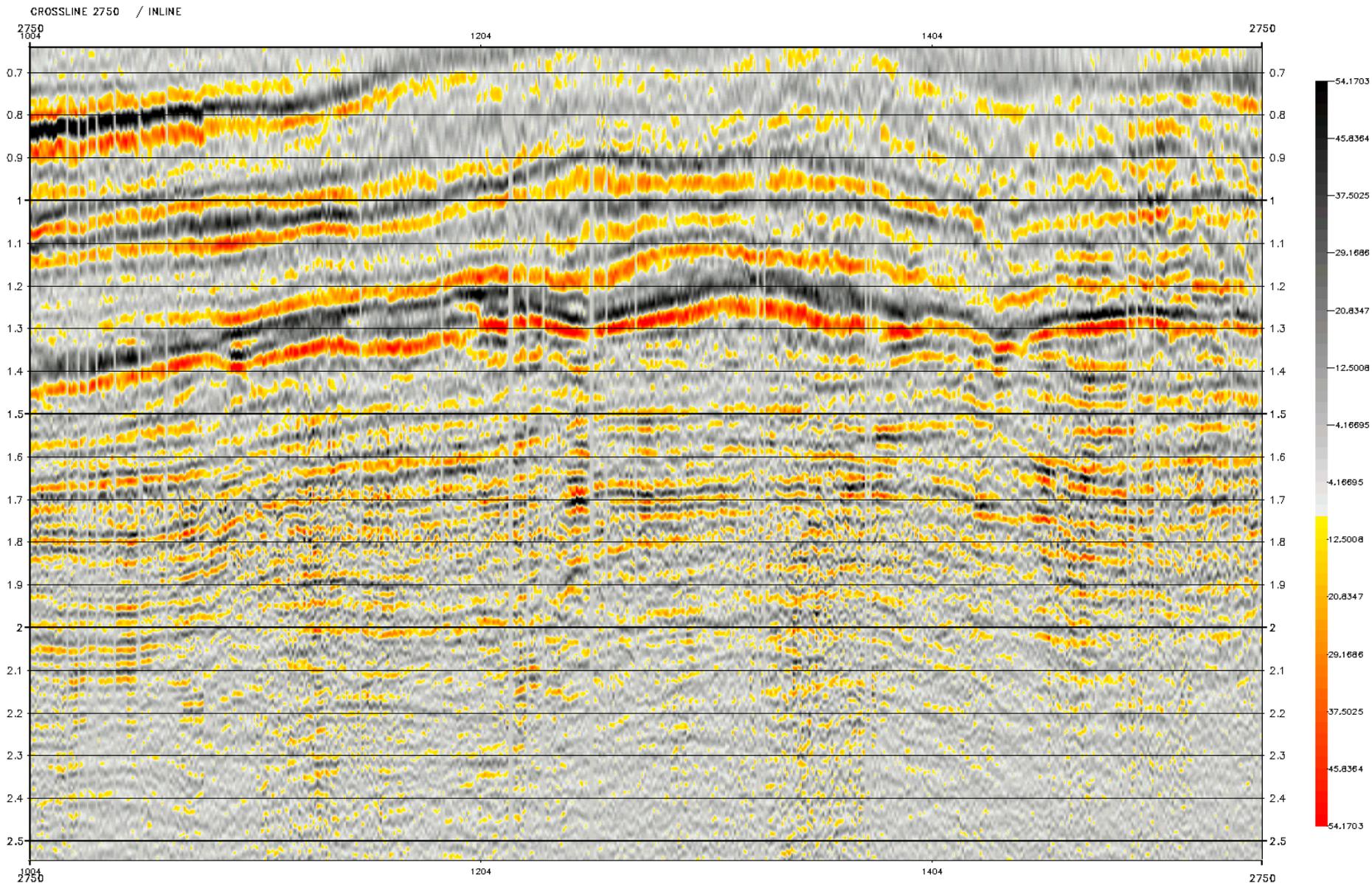
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INLINE / CROSSLINE



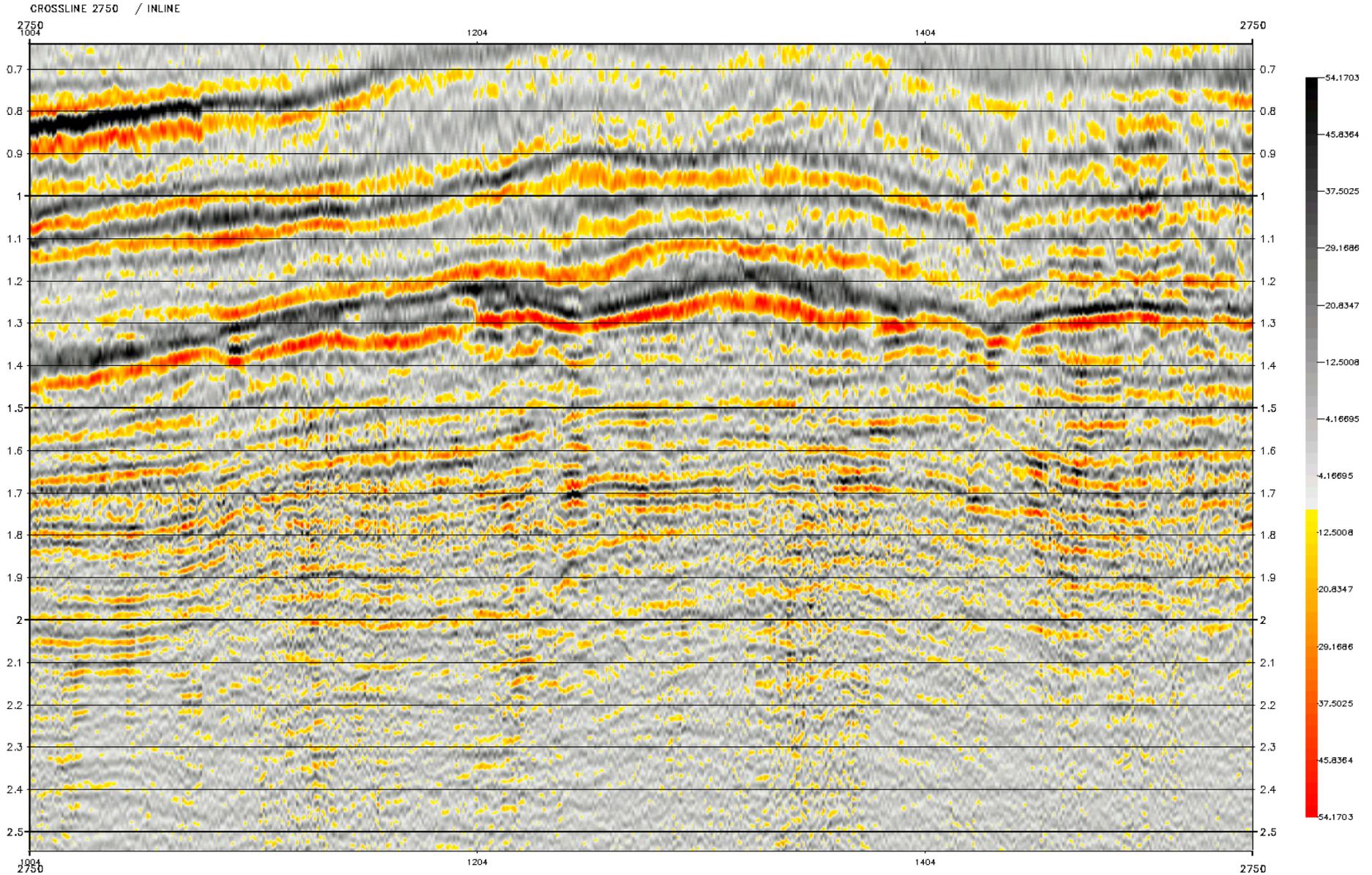
Xline 2750: 3D binned data **before** trace interpolation and bin centering

Tango::spr164pc:s563tap:3145 unldg.1



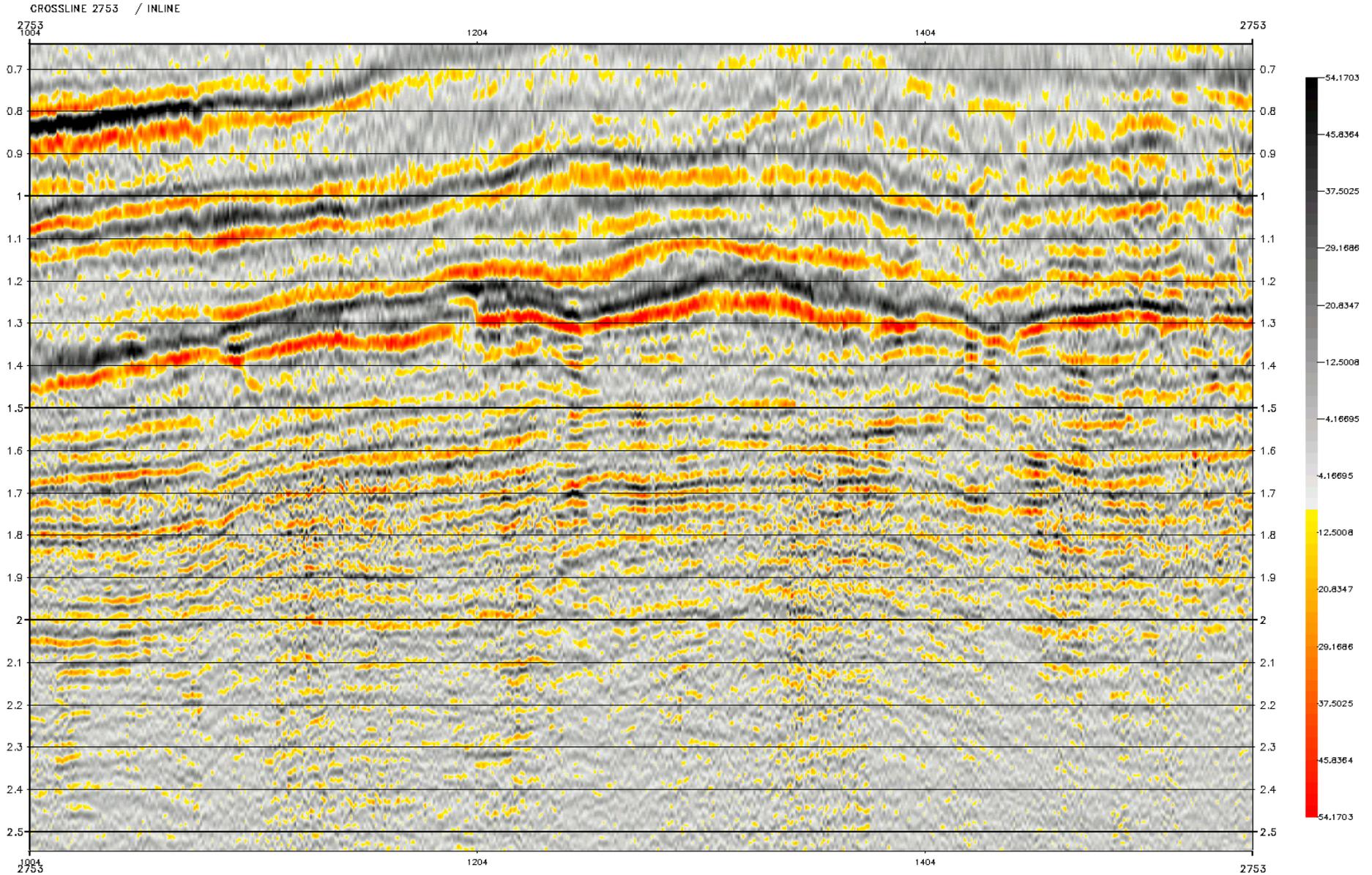
Inline 2750: 3D binned data after trace interpolation without bin centering

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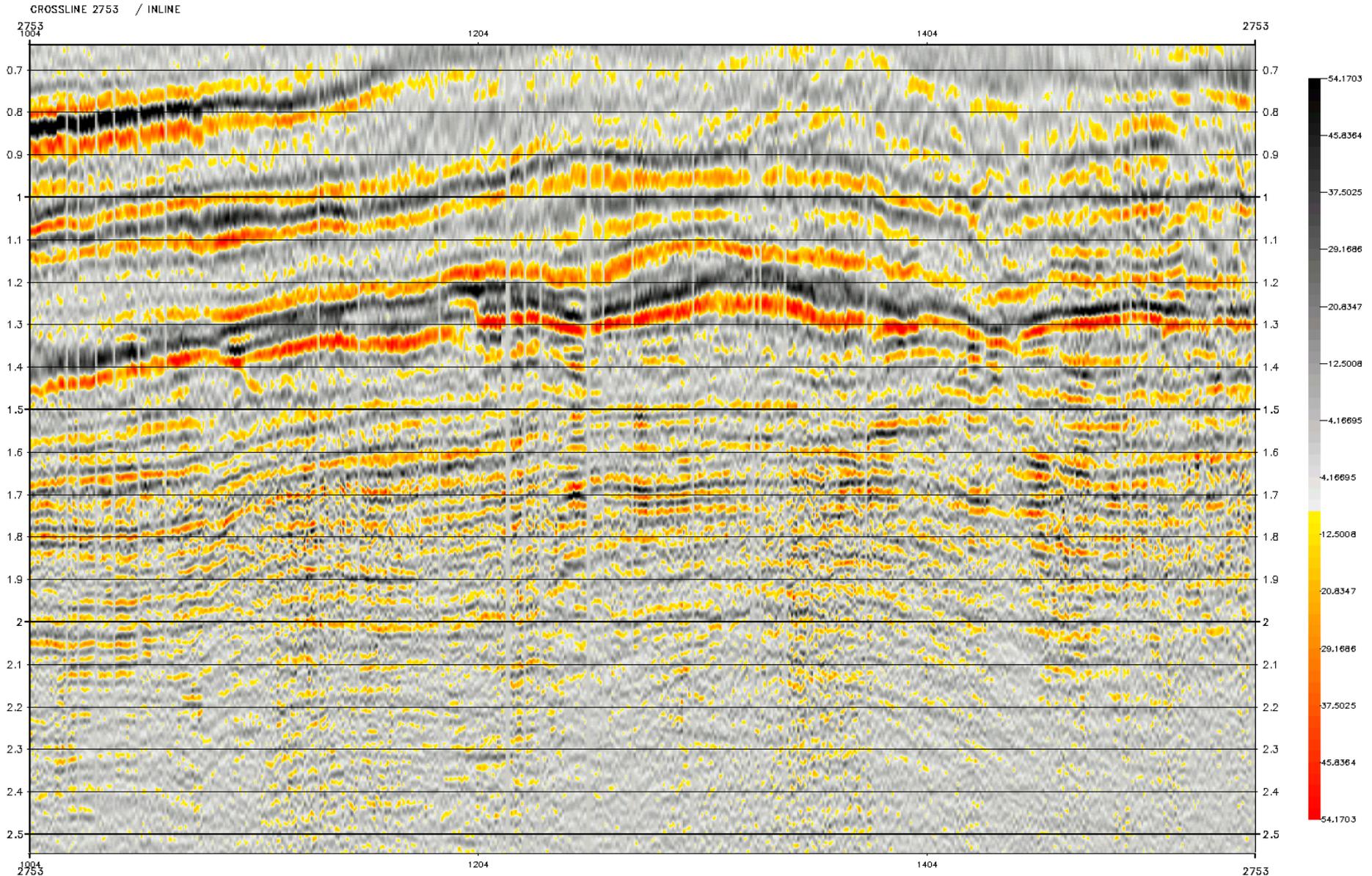
Inline 2753: 3D binned data after trace interpolation with bin centering

Tango::spr164pc:s5631ap:31451st c raf.1



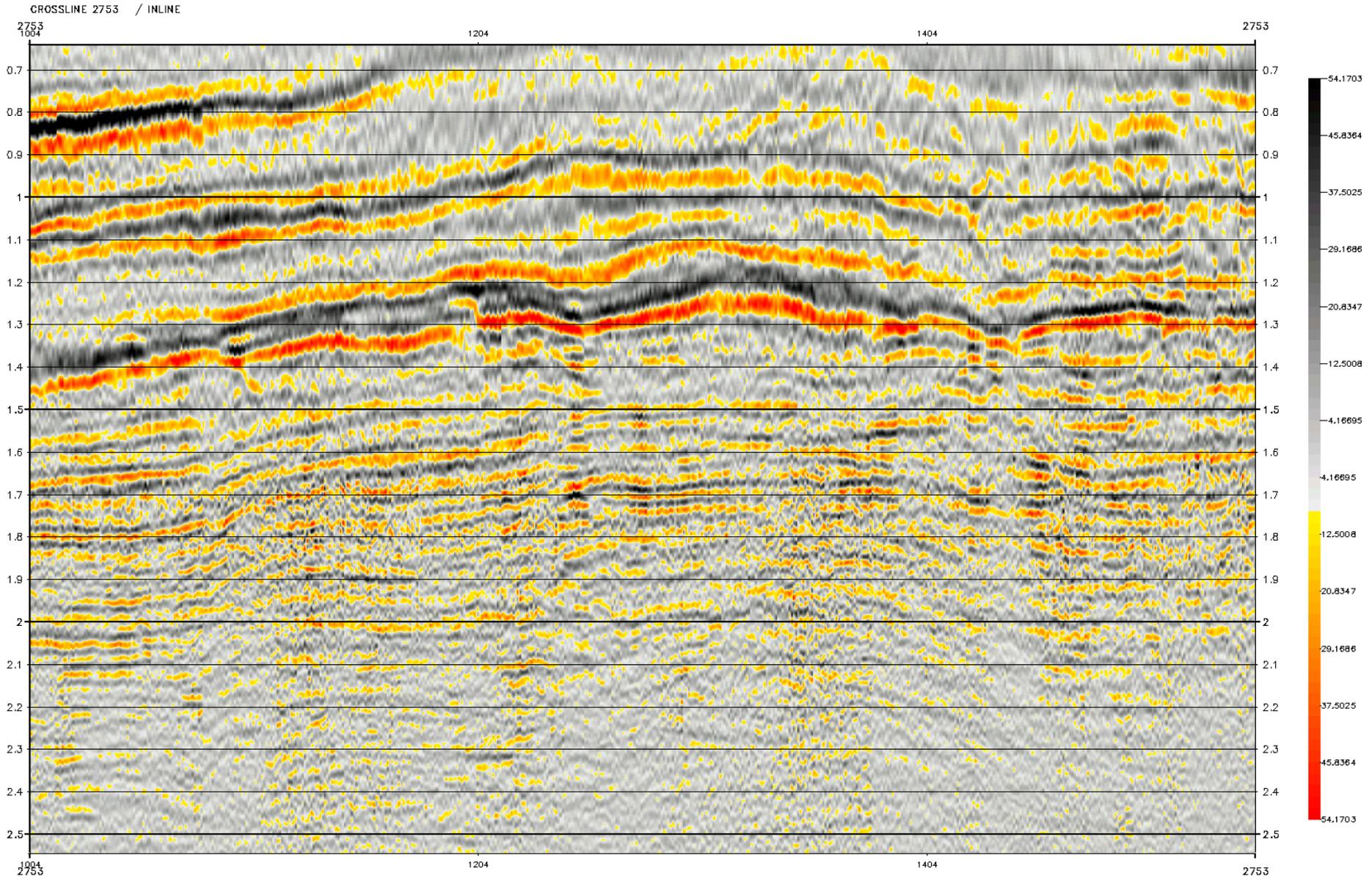
Xline 2753: 3D binned data **before** trace interpolation and bin centering

Tango::spr164pc:s563tap:3145 unldg.1



Xline 2753: 3D binned data after trace interpolation without bin centering

Tango::spr164pc:s563lap:31451st noc raf.1



Inline 2753: 3D binned data after trace interpolation with bin centering

Tango::spr164pc:s5631ap:31451st c raf.1

