

Tap Oil T/47P 3D PSTM



Tidal Static Correction
Test QC – Crossline QC
(Selected Offsets - Near, Mid, Far)

Processing flow:

1. Reformat SEG-D 3592 to CGG-Veritas 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 $V \cdot V \cdot T$ using regional velocity;
9. Swell noise attenuation, 2 passes in shot domain.
10. Linear Noise Attenuation Parameters
 - Transform range +1200 and -1600*
 - 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

DISPLAY:

- | | |
|-----------------------|---|
| Near Offset
(0444) | ~ Selected Crossline Before and After Tidal Static Correction
~ Zoomed Section |
| Mid Offset
(3069) | ~ Selected Crossline Before and After Tidal Static Correction
~ Zoomed Section |
| Far Offset
(5694) | ~ Selected Crossline Before and After Tidal Static Correction
~ Zoomed Section |

Near Offset (0444):

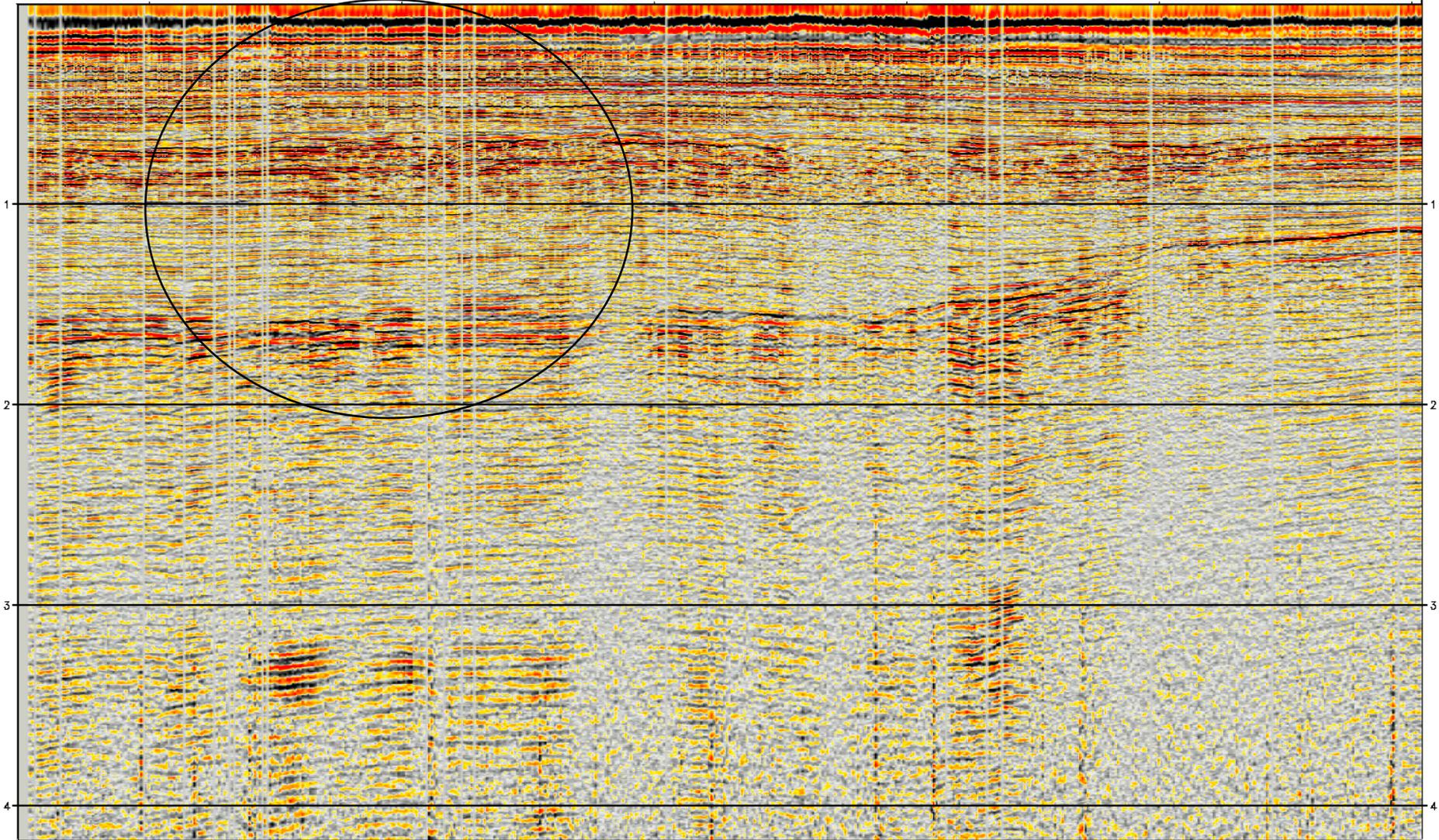
Crossline 3632, 4752, 6512

Near Offset ~ Before Tidal Static Correction (Crossline 3632)

Tango::spr208pc:s5631ap:near xbf tidalr.1

CROSSLINE 3652 / INLINE

1300 1400 1500 1600 1700 3652 18004

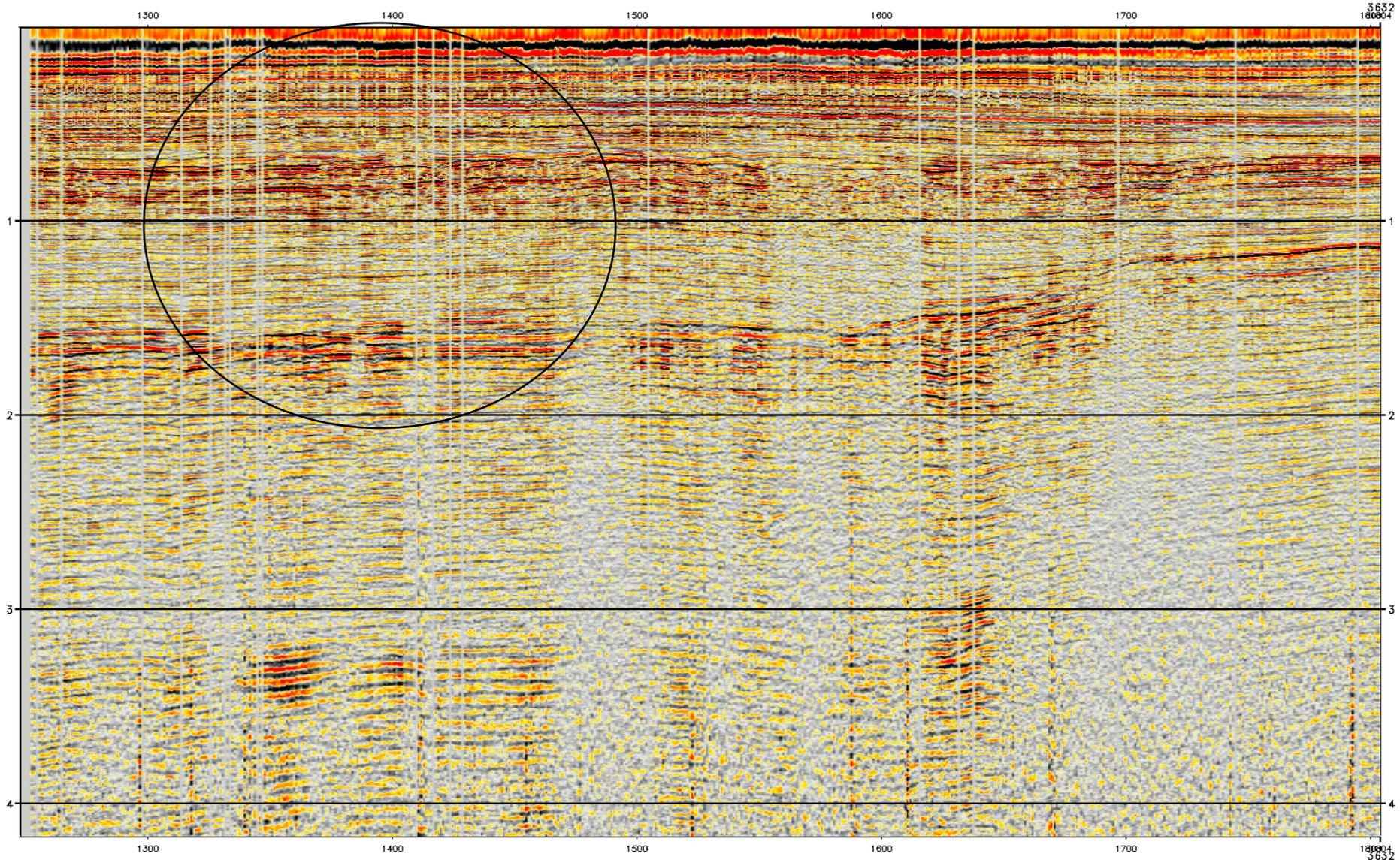


1300 1400 1500 1600 1700 3652 18004

Near Offset ~ After Tidal Static Correction (Crossline 3632)

Tango::spr208pc:s563lap:near xaf tidal2.1

CROSSLINE 3652 / INLINE



Zoomed Section Before Tidal Static Correction

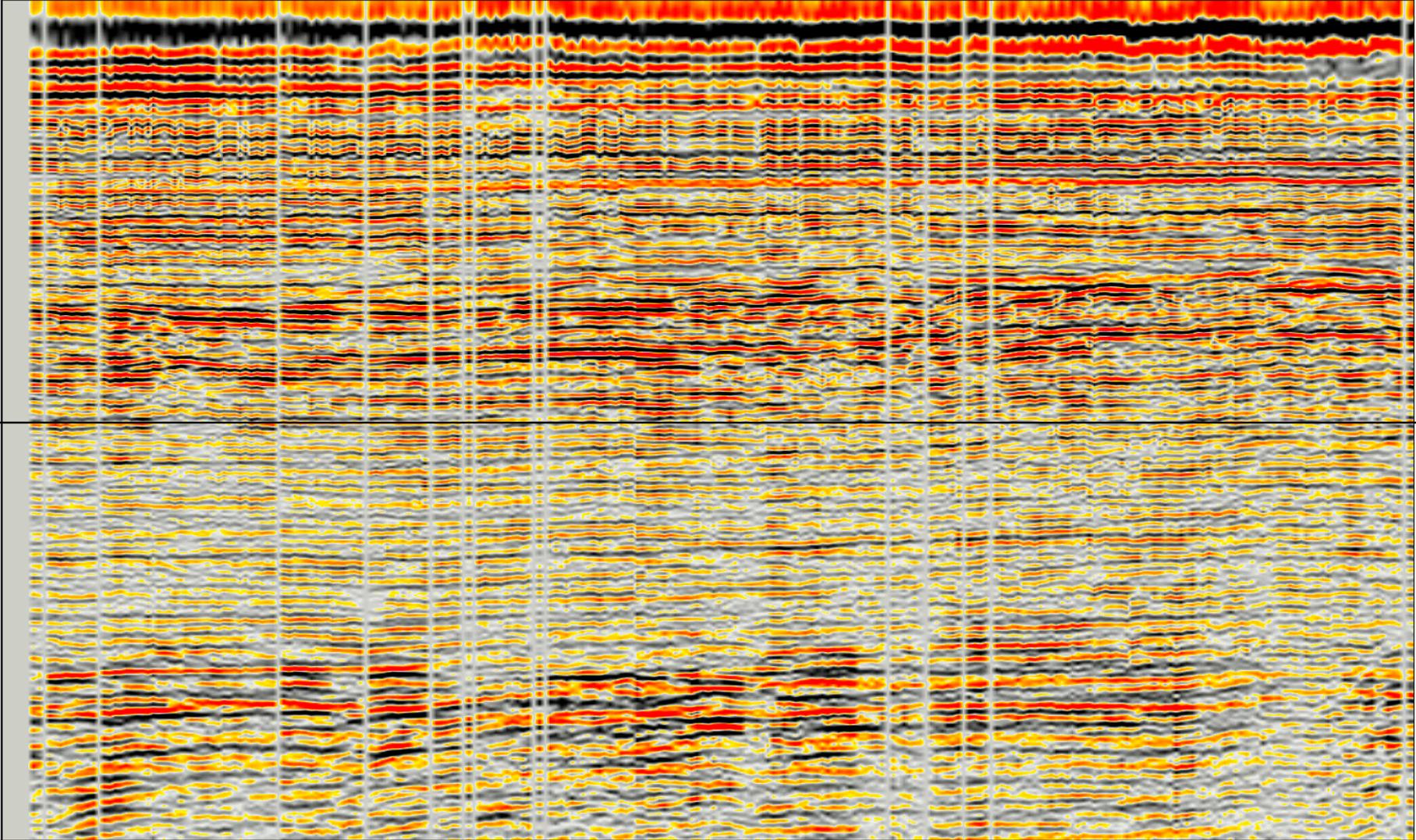
Tango::spr208pc:s5631ap:near xbf tidalr.1

CROSSLINE 3652 / INLINE

1300

1400

1500



1300

1400

1500

Zoomed Section After Tidal Static Correction

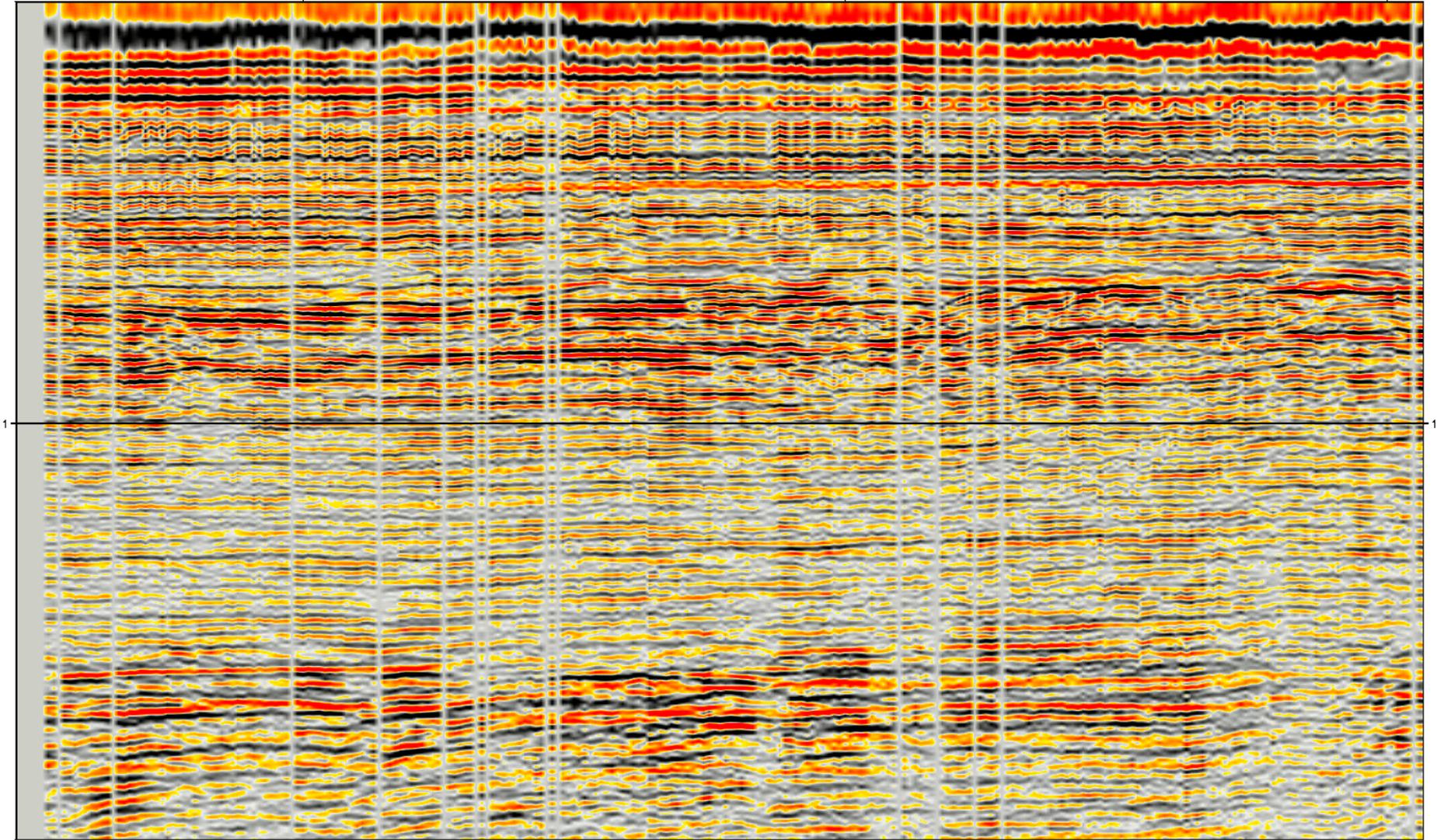
Tango::spr208pc:s563lap:near xaf tidal2.1

CROSSLINE 3652 / INLINE

1300

1400

1500



1300

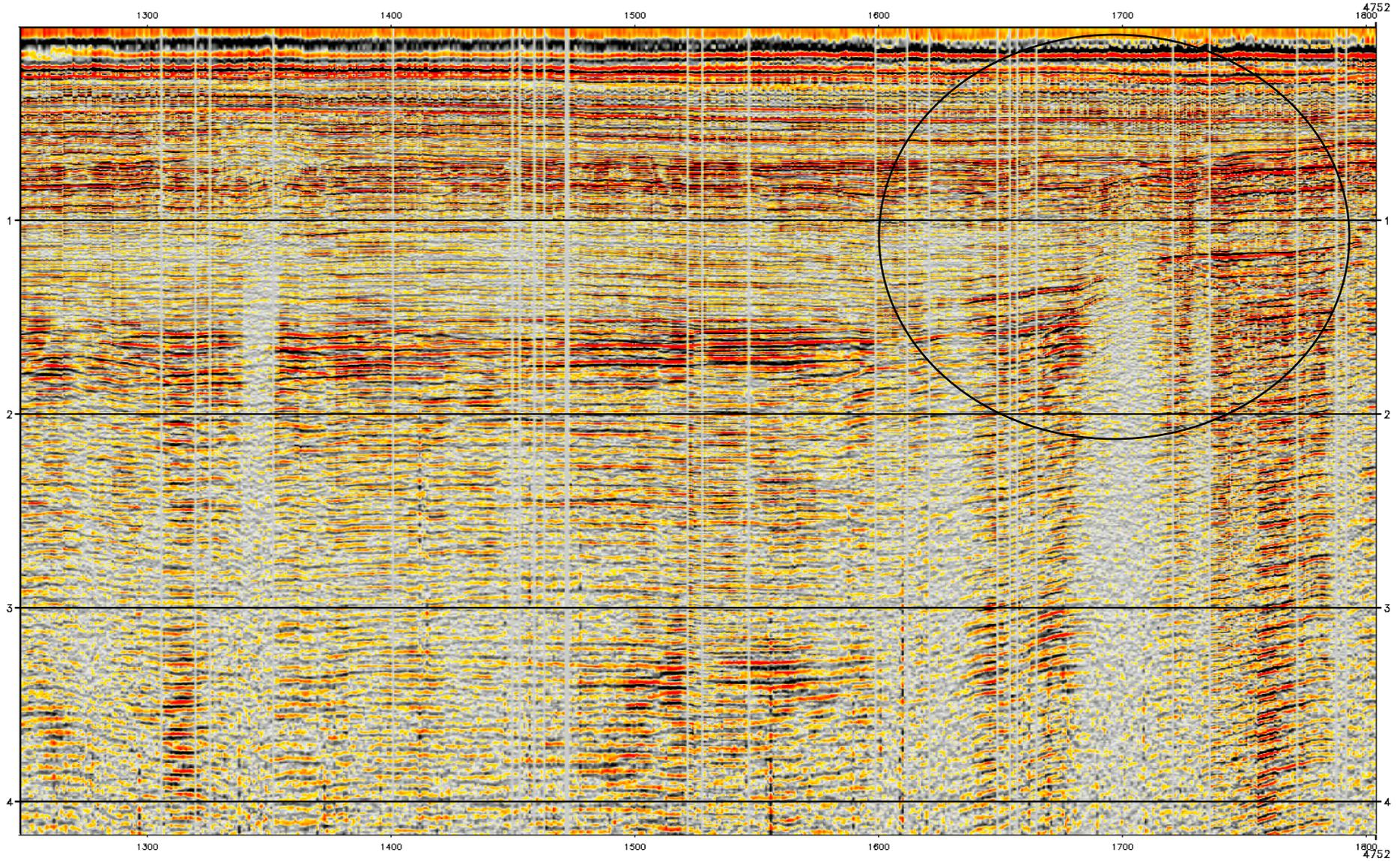
1400

1500

Near Offset ~ Before Tidal Static Correction (Crossline 4752)

Tango::spr208pc:s563lap:near xbf tidalr.1

CROSSLINE 4752 / INLINE

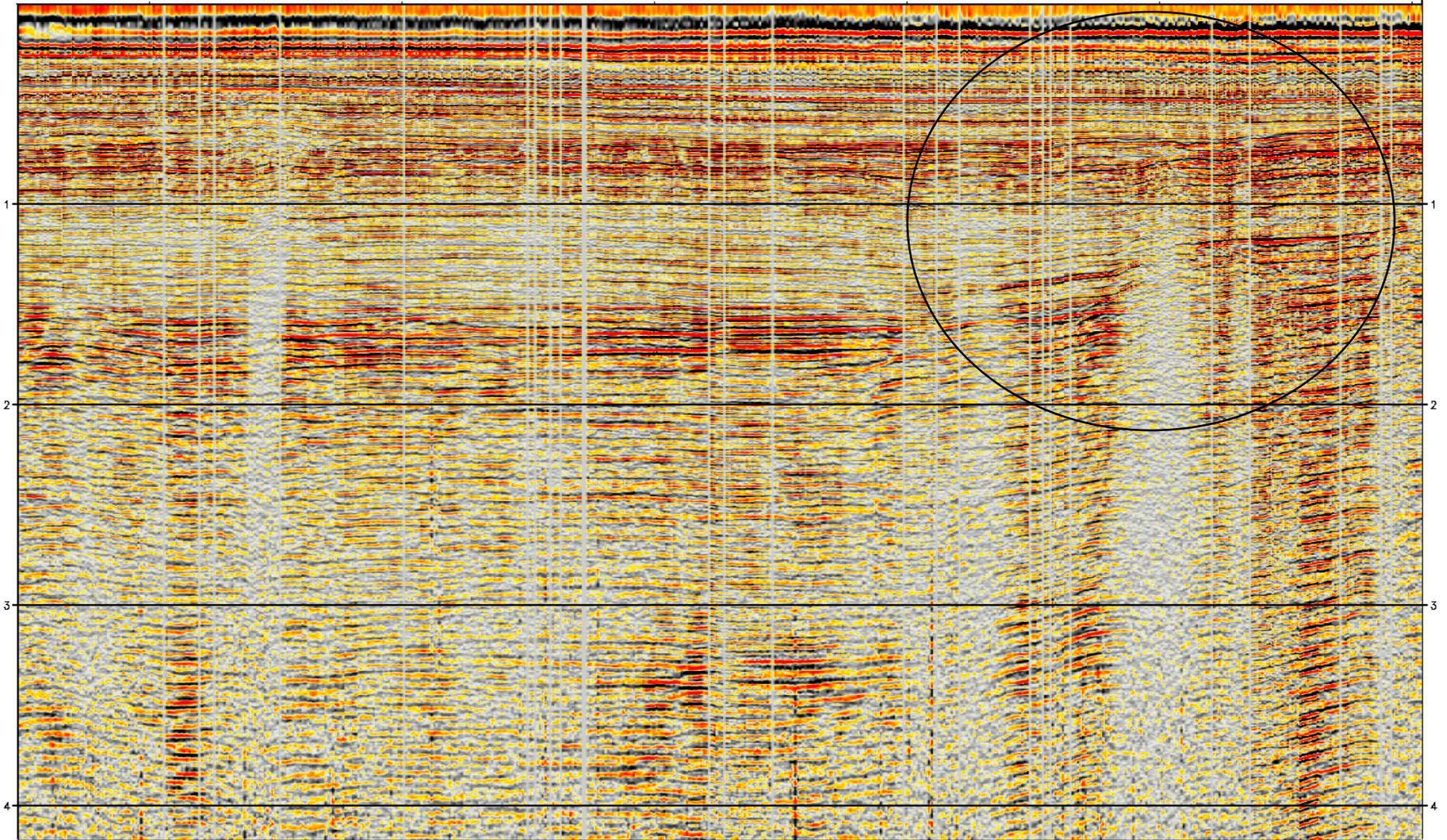


Near Offset ~ After Tidal Static Correction (Crossline 4752)

Tango::spr208pc:s563lap:near xaf tidal2.1

CROSSLINE 4752 / INLINE

1300 1400 1500 1600 1700 1800 4752

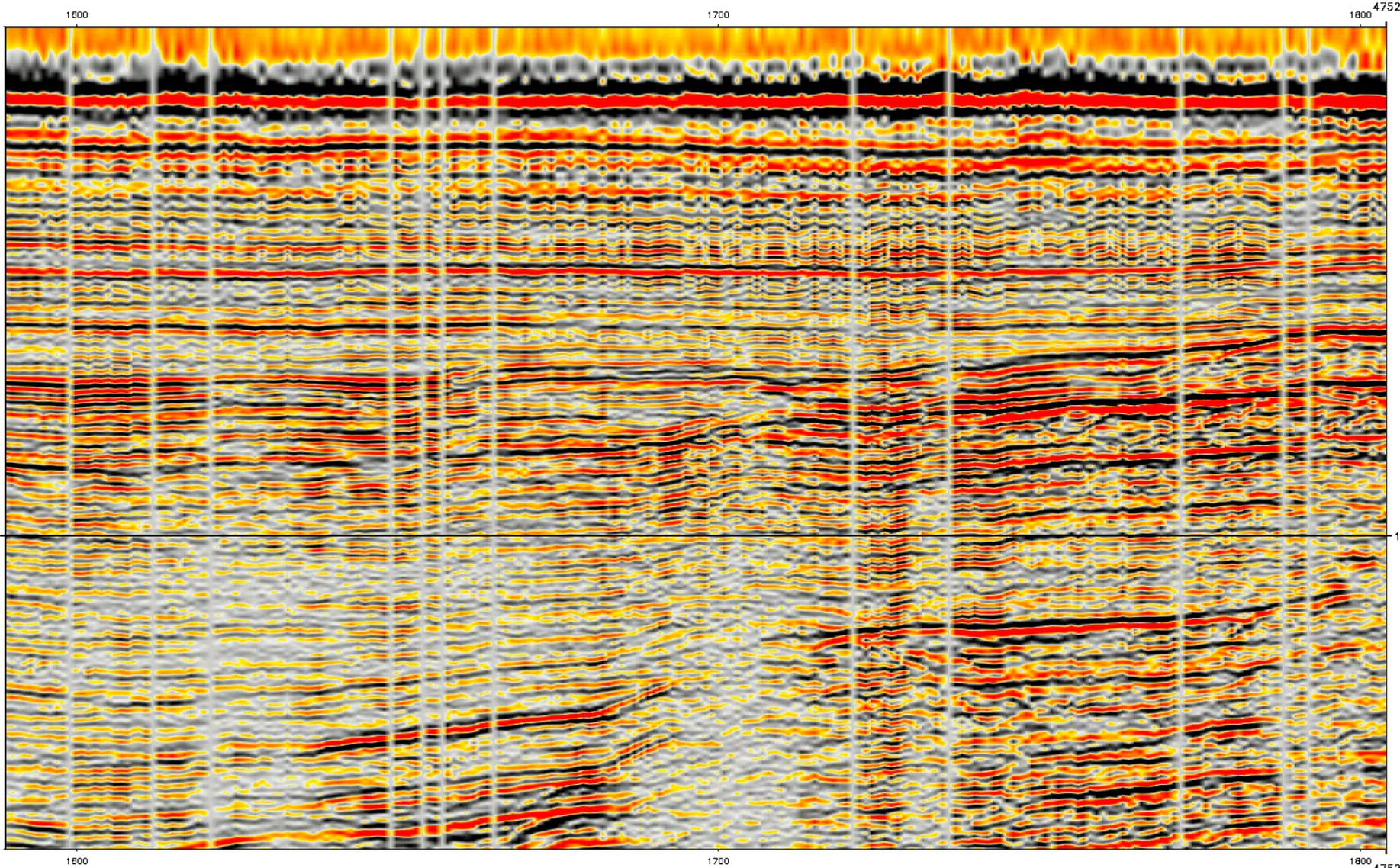


1300 1400 1500 1600 1700 1800 4752

Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563lap:near xbf tidalr.1

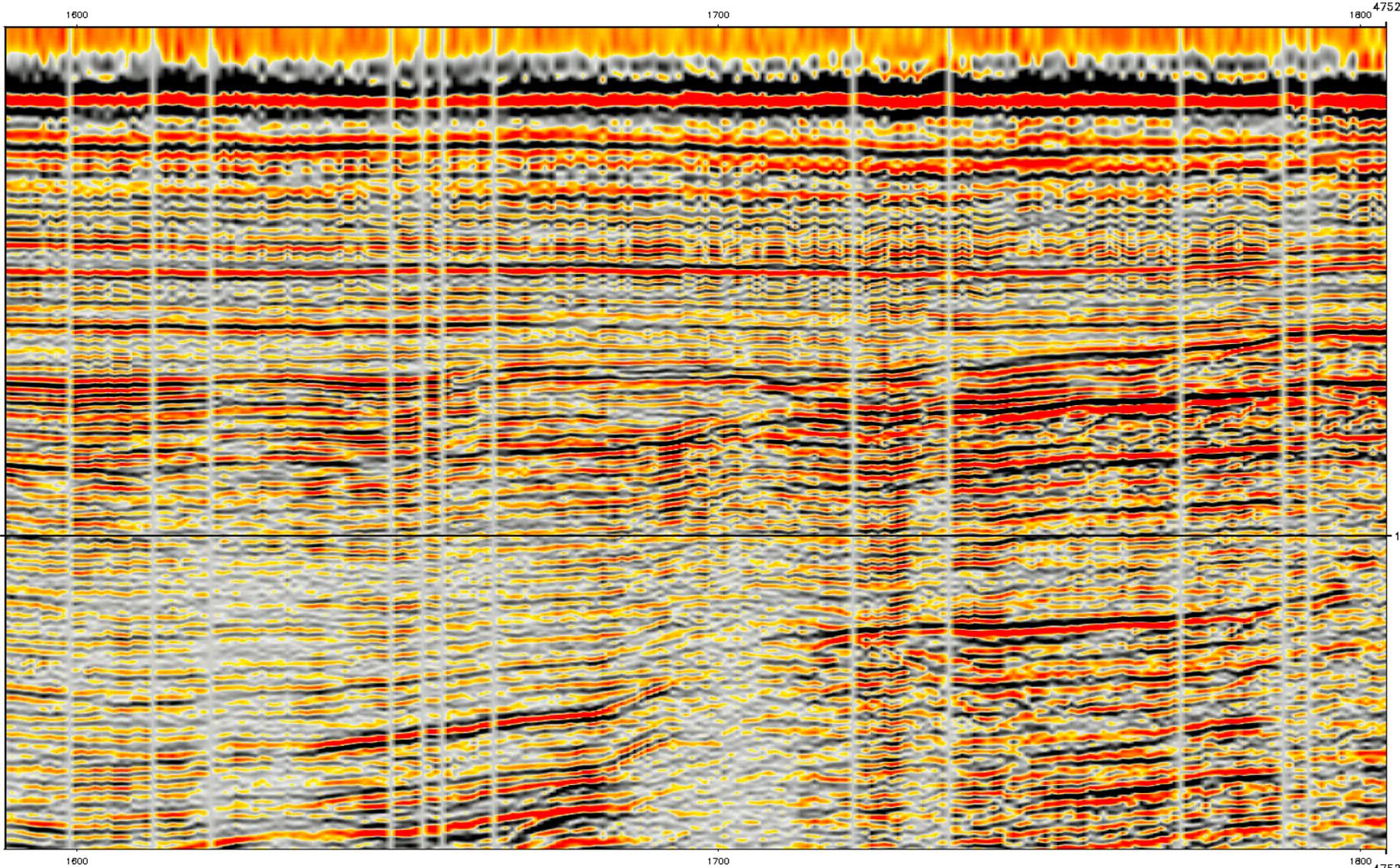
CROSSLINE 4752 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563lap:near xaf tidal2.1

CROSSLINE 4752 / INLINE



Near Offset ~ Before Tidal Static Correction (Crossline 6512)

Tango::spr208pc:s563lap:near xbf tidalr.1

CROSSLINE 6512 / INLINE

1300

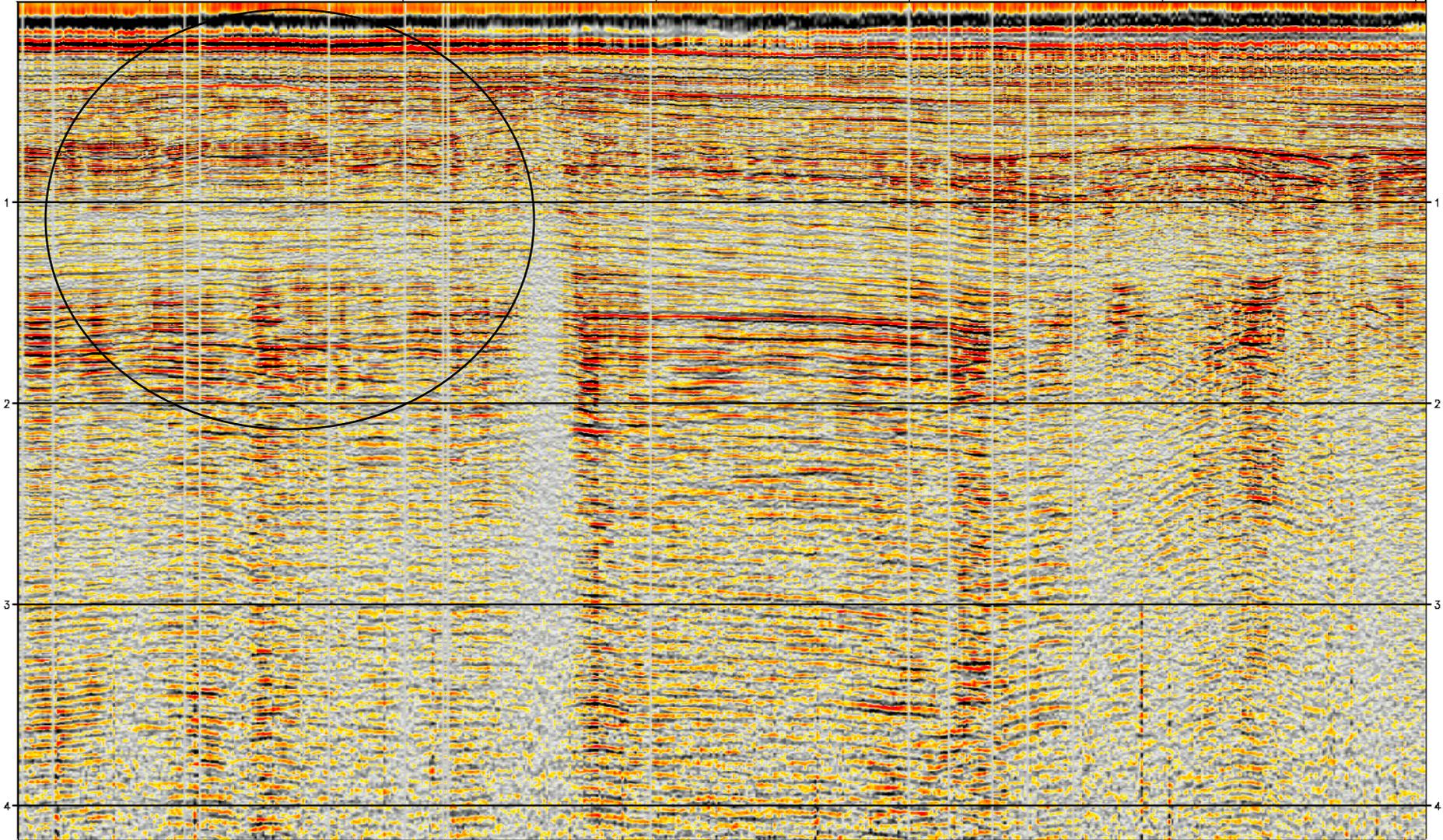
1400

1500

1600

1700

6512
18004



1300

1400

1500

1600

1700

6512
18004

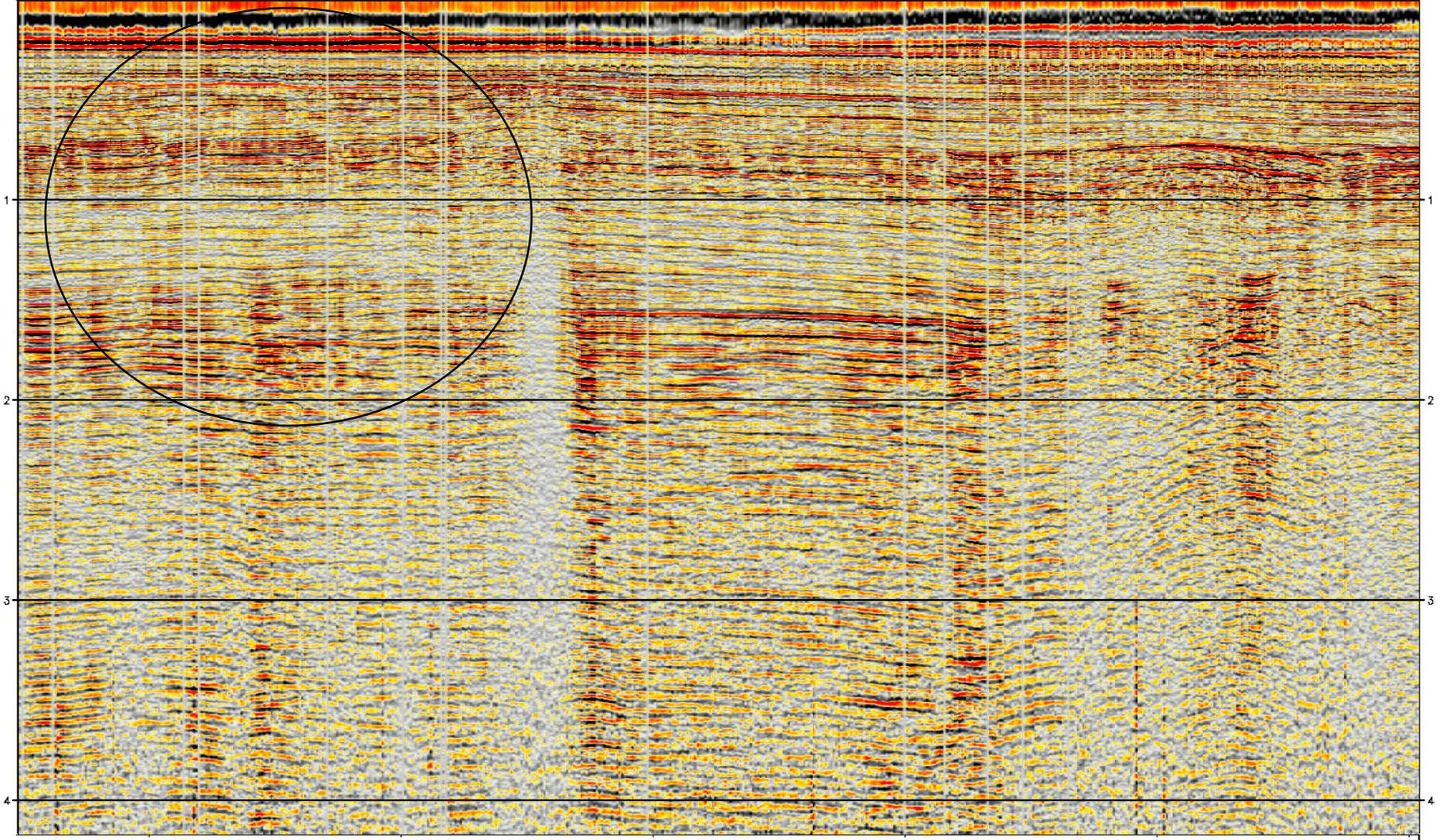
Near Offset ~ After Tidal Static Correction (Crossline 6512)

Tango::spr208pc:s563lap:near xaf tidal2.1

CROSSLINE 6512 / INLINE

1300 1400 1500 1600 1700

6512
18004



1300 1400 1500 1600 1700

6512
18004

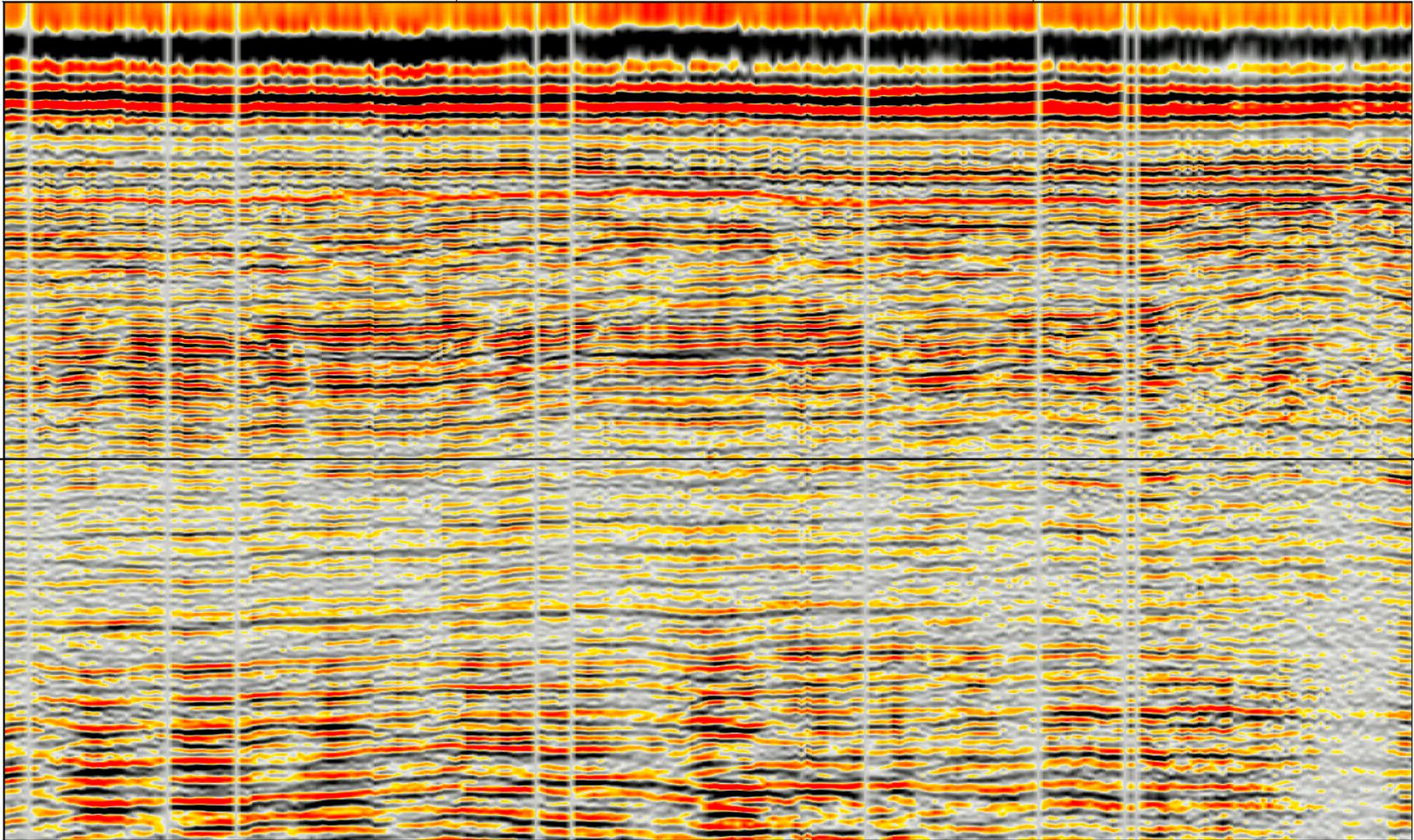
Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563lap:near xbf fidlr.1

CROSSLINE 6512 / INLINE

1300

1400



1300

1400

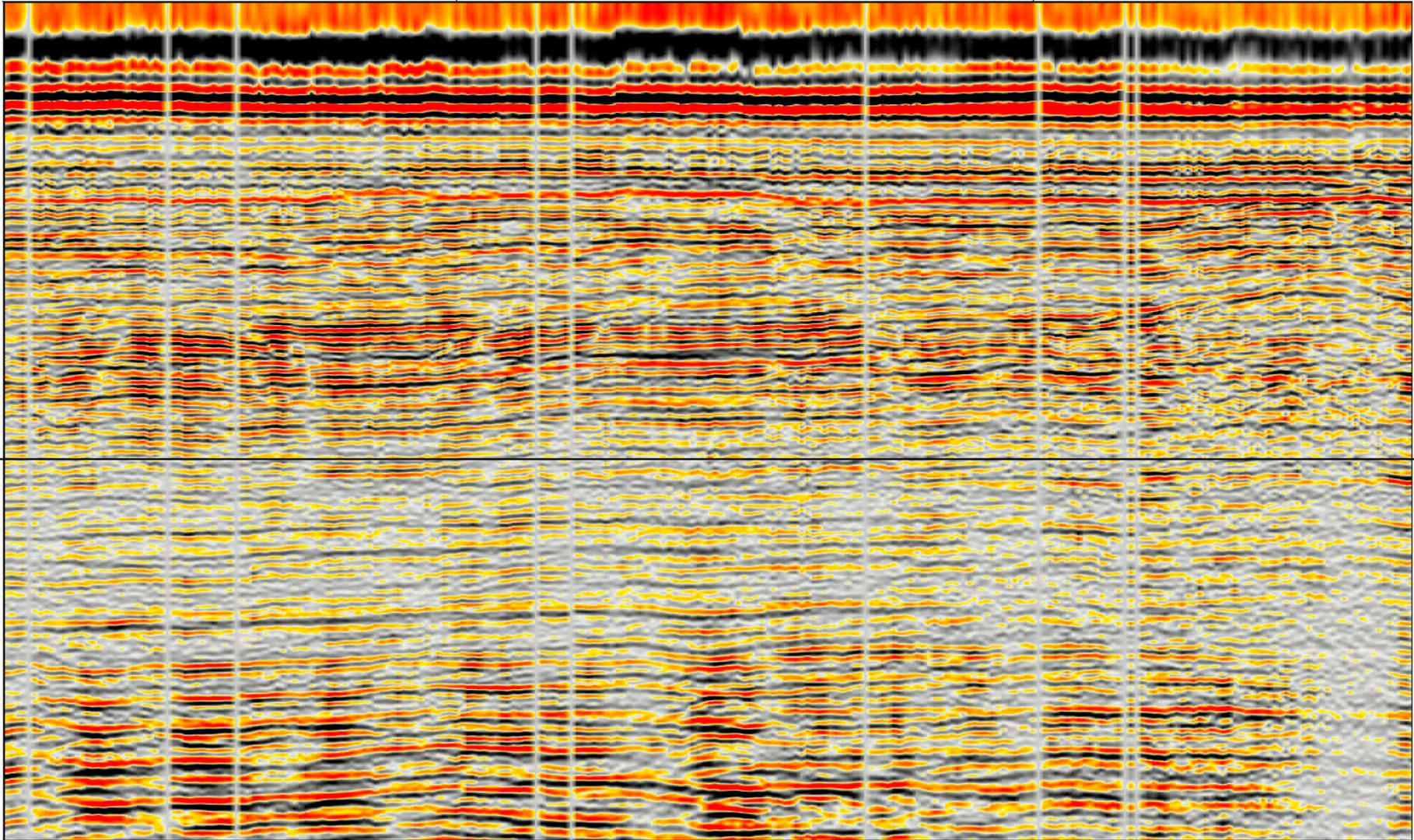
Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563lap:near xaf fidal2.1

CROSSLINE 6512 / INLINE

1300

1400



1300

1400

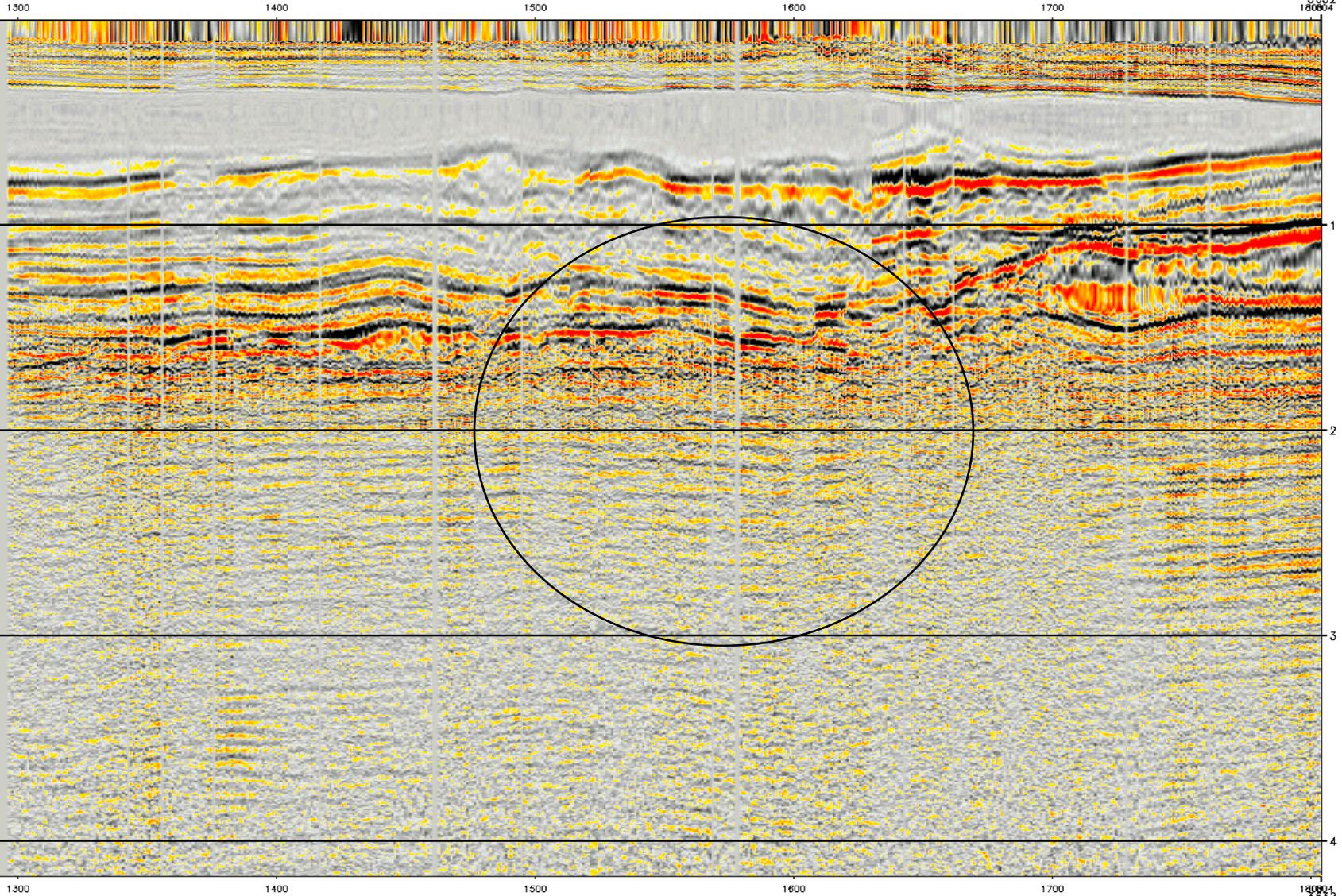
Mid Offset (3069):

Crossline 3632, 4752, 6512

Mid Offset ~ Before Tidal Static Correction (Crossline 3632)

Tango::spr208pc:s563tap:mid xbf tidalr.1

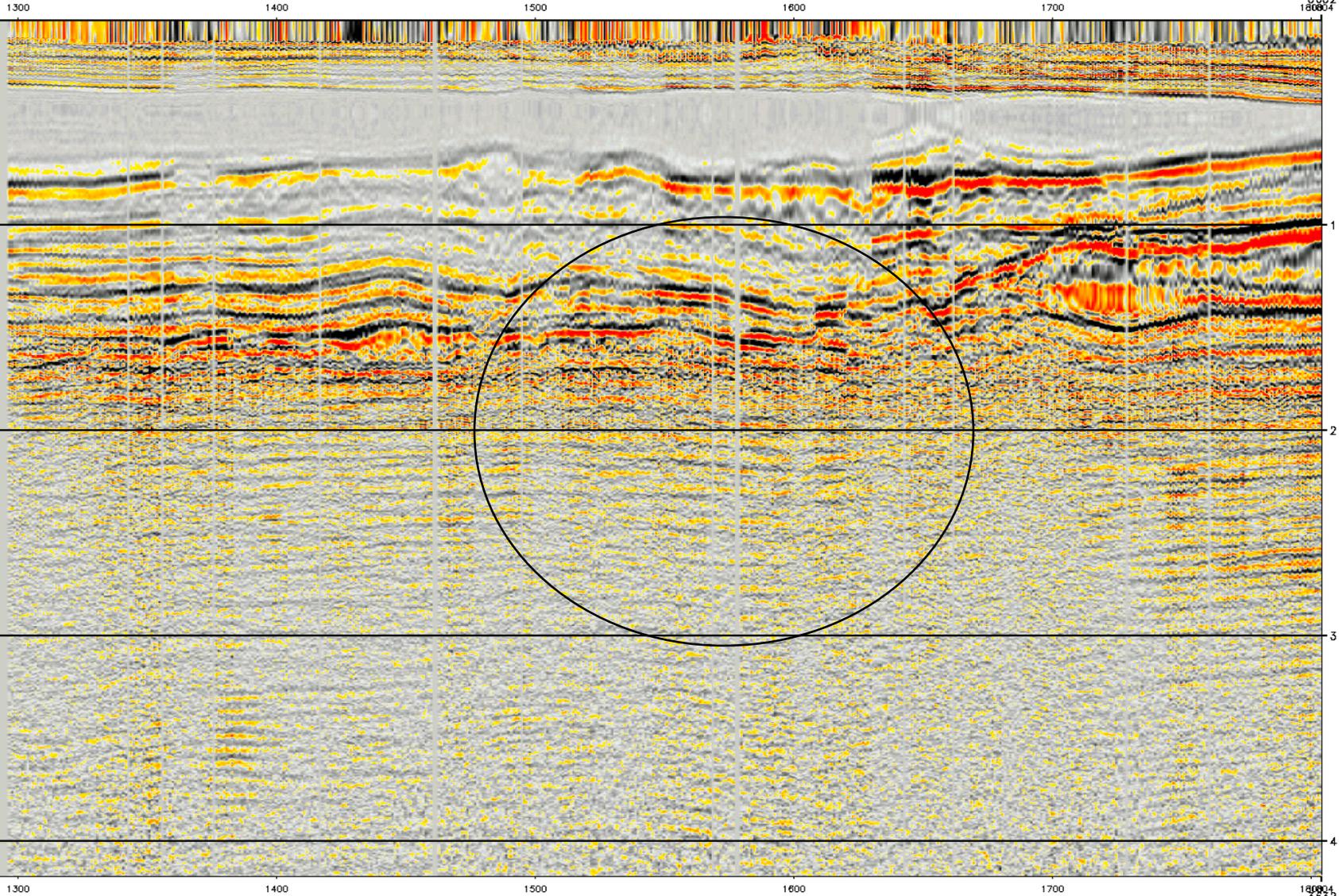
CROSSLINE 3632 / INLINE



Mid Offset ~ After Tidal Static Correction (Crossline 3632)

Tango::spr208pc:s563tap:mid xaf tidal2.1

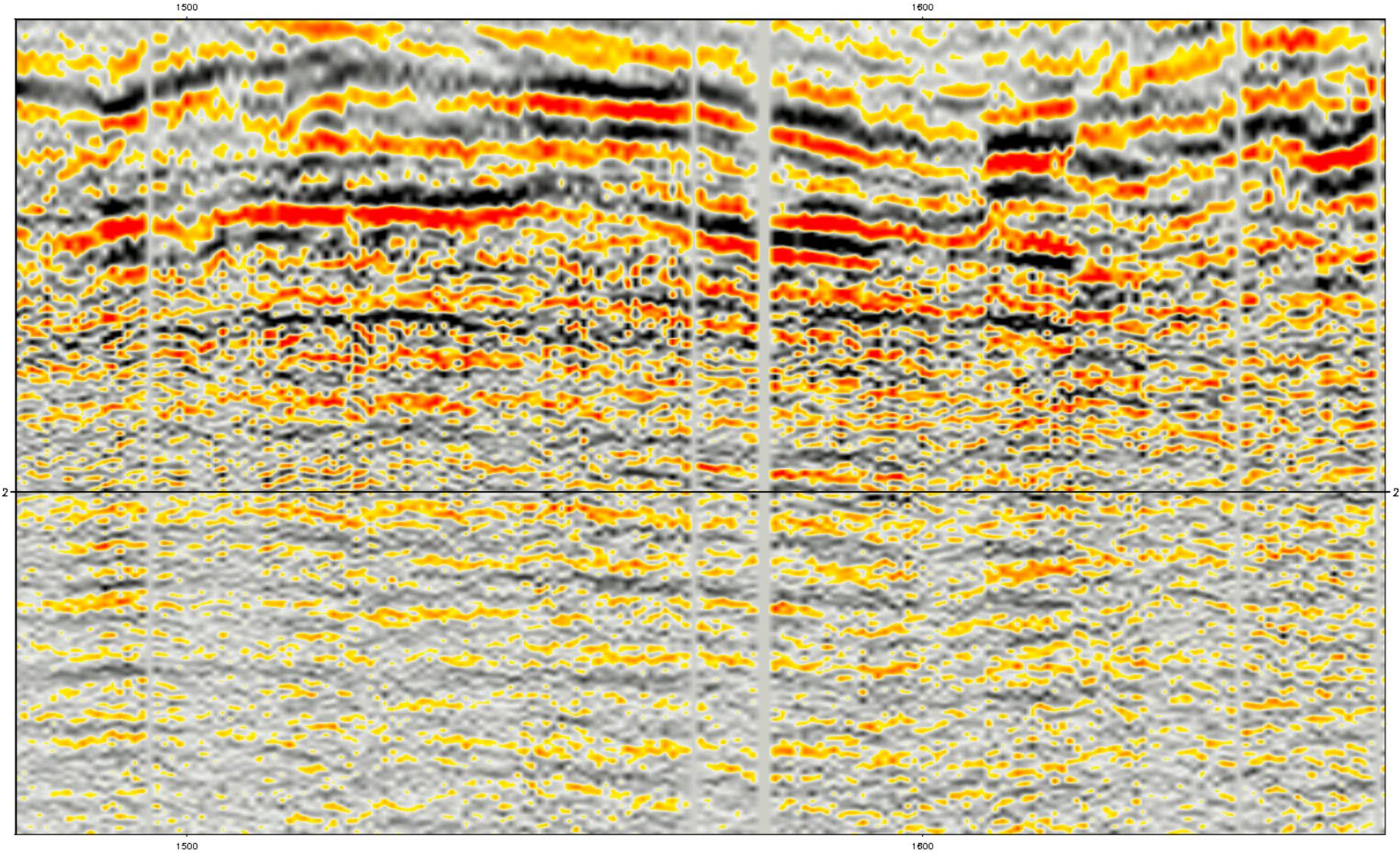
CROSSLINE 3632 / INLINE



Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563tap:mid xbf tidalr.1

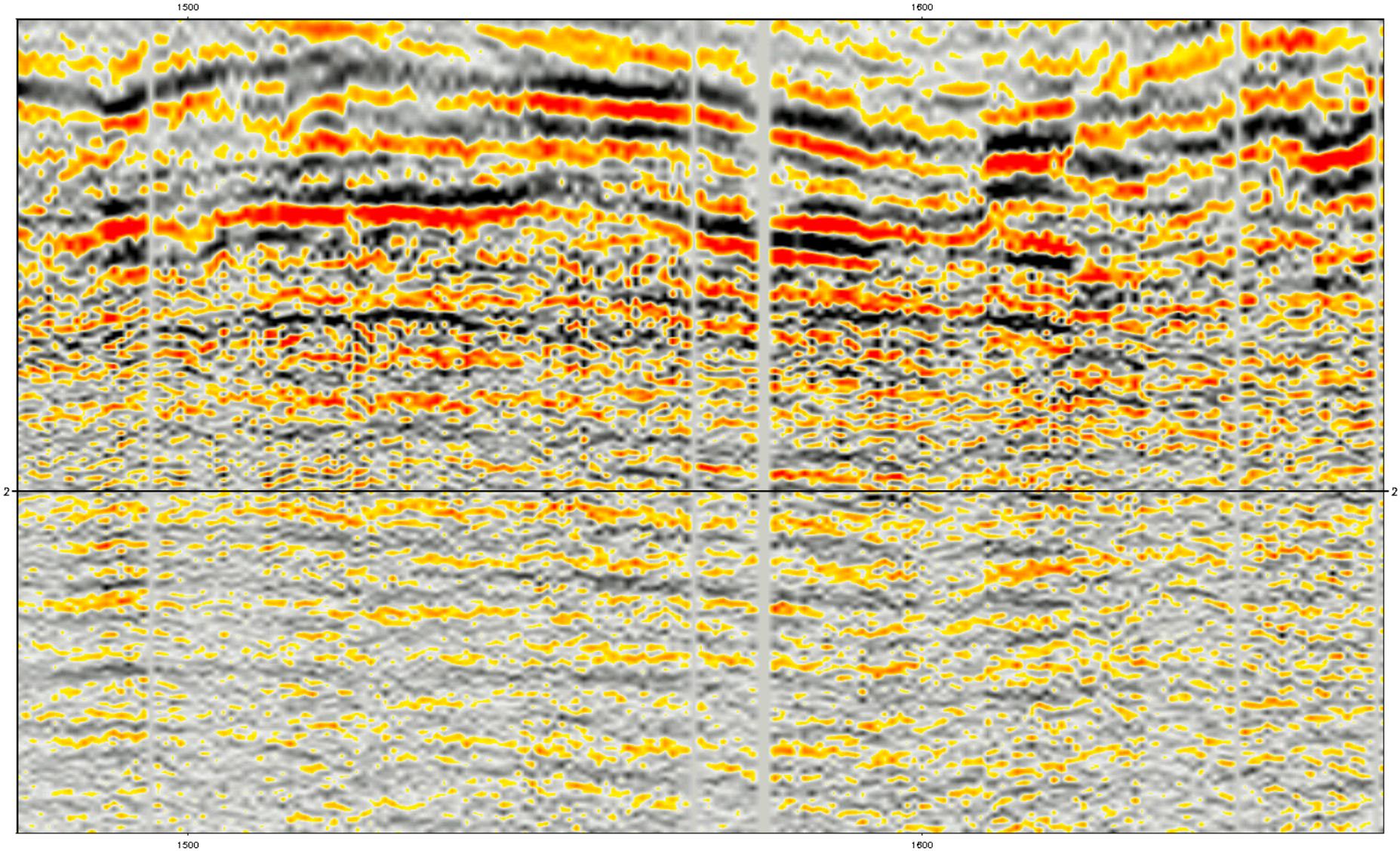
CROSSLINE 3652 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563tap:mid xaf tidal2.1

CROSSLINE 3652 / INLINE



Mid Offset ~ Before Tidal Static Correction (Crossline 4752)

Tango::spr208pc:s563tap:mid xbf tidalr.1

CROSSLINE 4752 / INLINE

1300

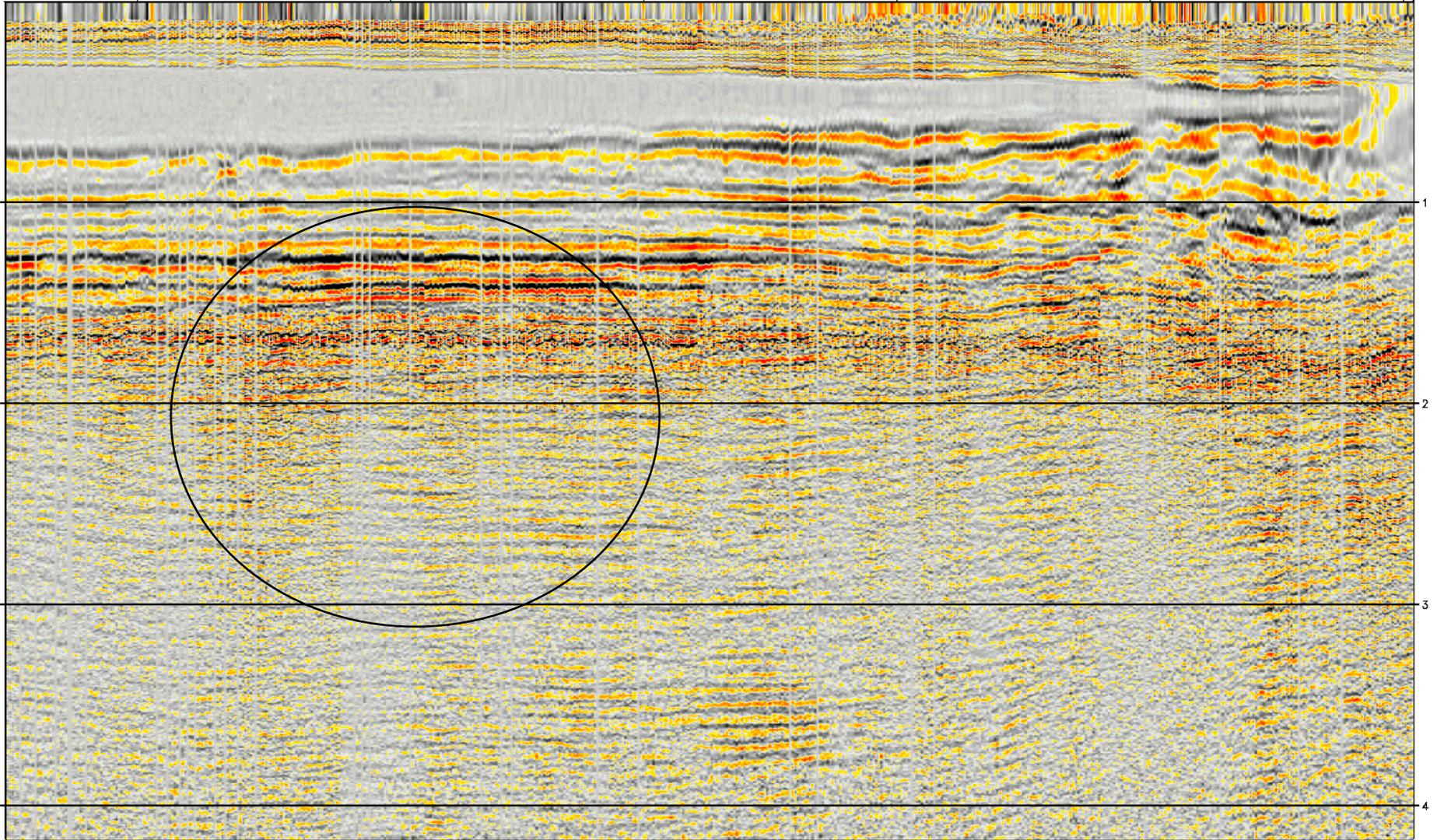
1400

1500

1600

1700

4752
18004



1300

1400

1500

1600

1700

4752
18004

Mid Offset ~ After Tidal Static Correction (Crossline 4752)

Tango::spr208pc:s563tap:mid xaf tidal2.1

CROSSLINE 4752 / INLINE

1300

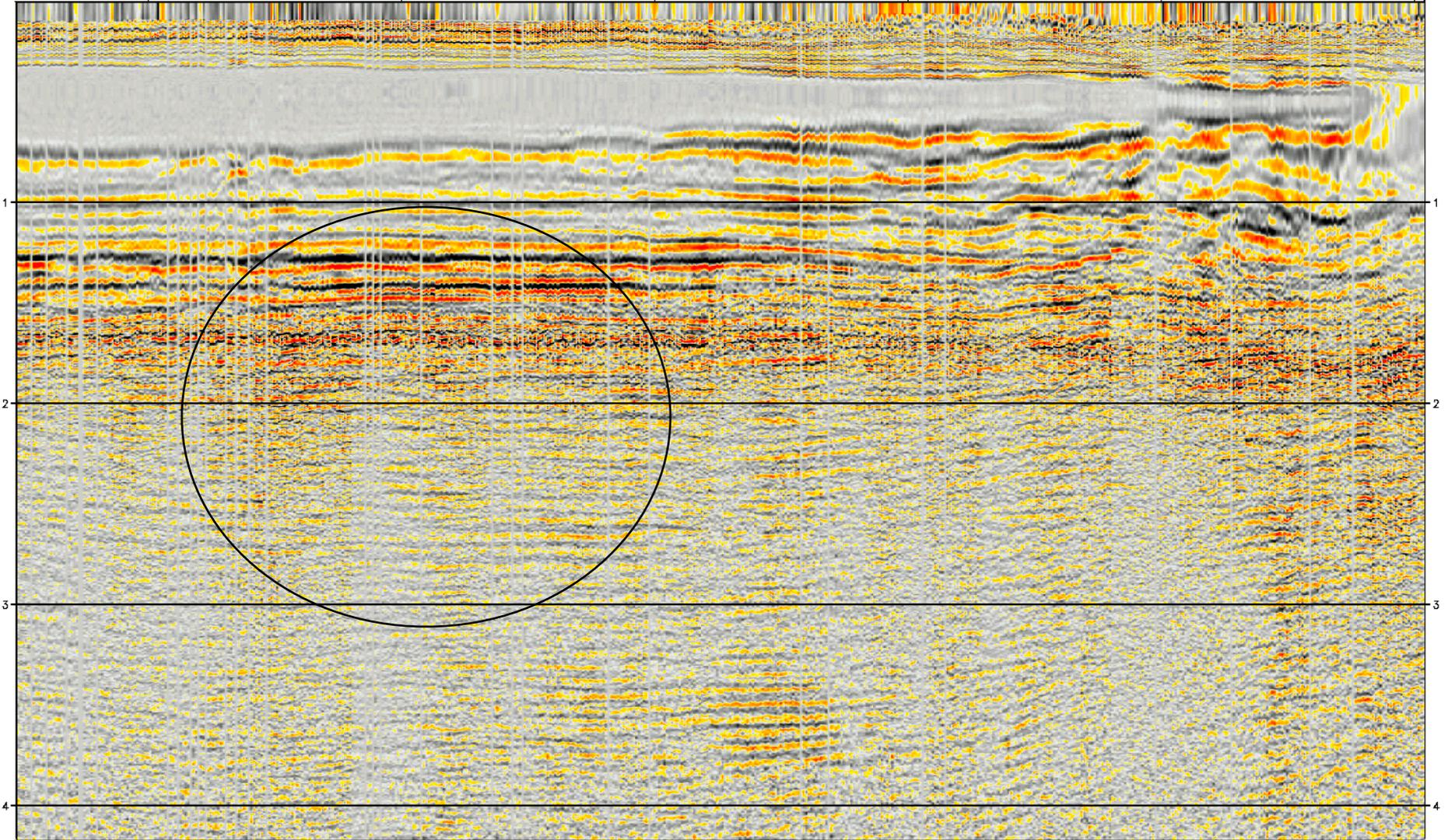
1400

1500

1600

1700

4752
18004



1300

1400

1500

1600

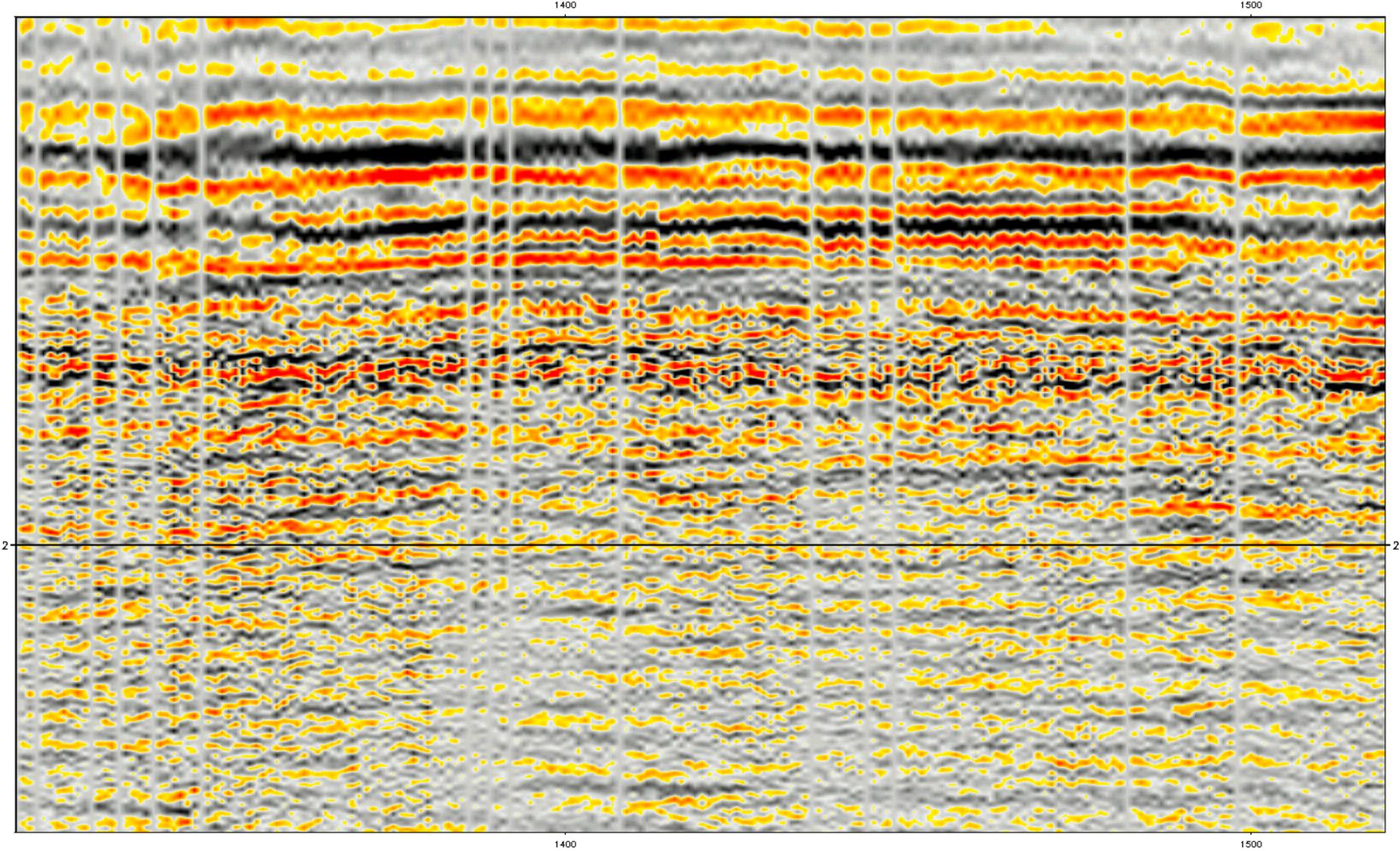
1700

4752
18004

Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563tap:mid xbf tidalr.1

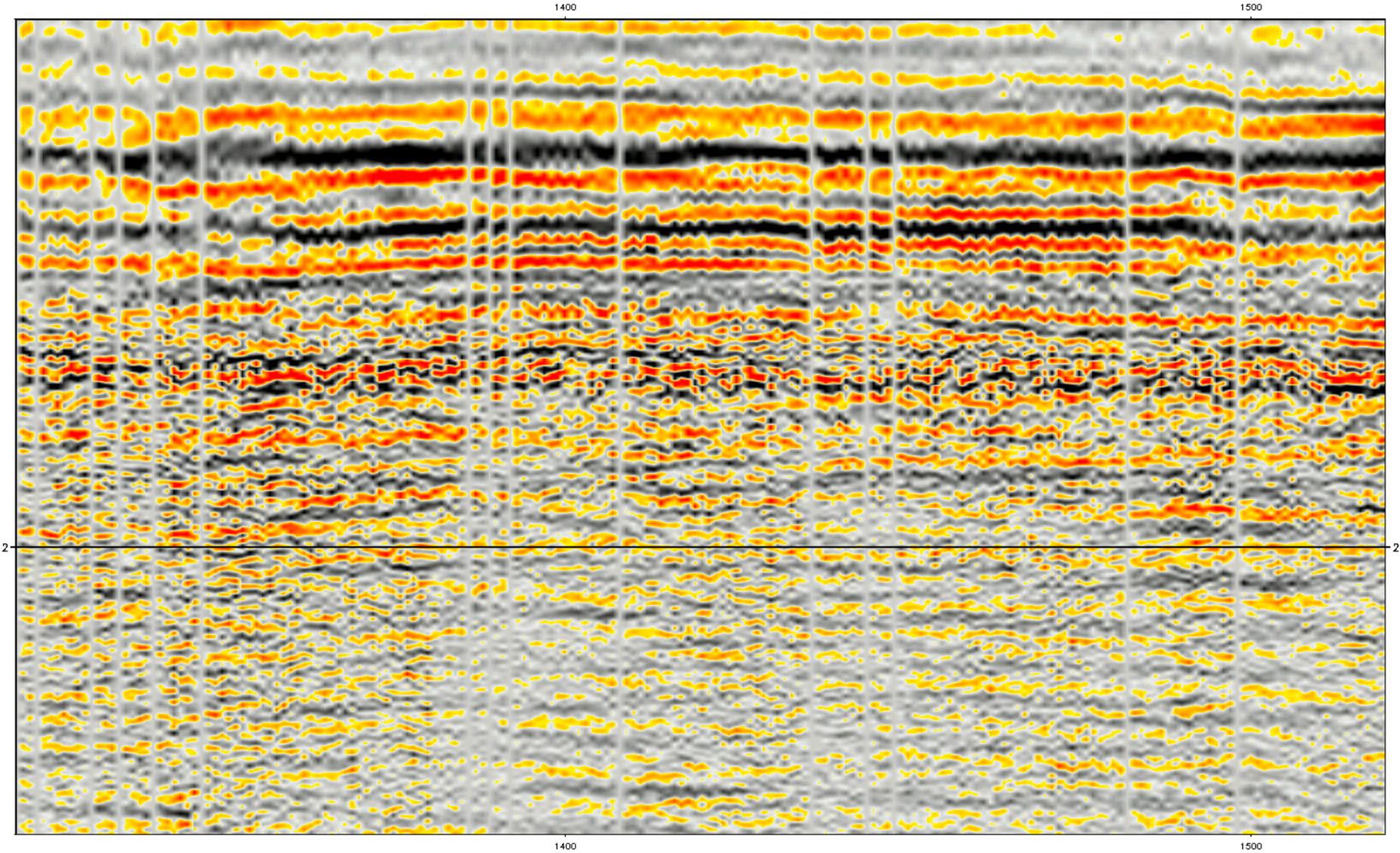
CROSSLINE 4752 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563tap:mid xaf tidal2.1

CROSSLINE 4752 / INLINE



Mid Offset ~ Before Tidal Static Correction (Crossline 6512)

Tango::spr208pc:s563tap:mid xbf tidalr.1

CROSSLINE 6512 / INLINE

1300

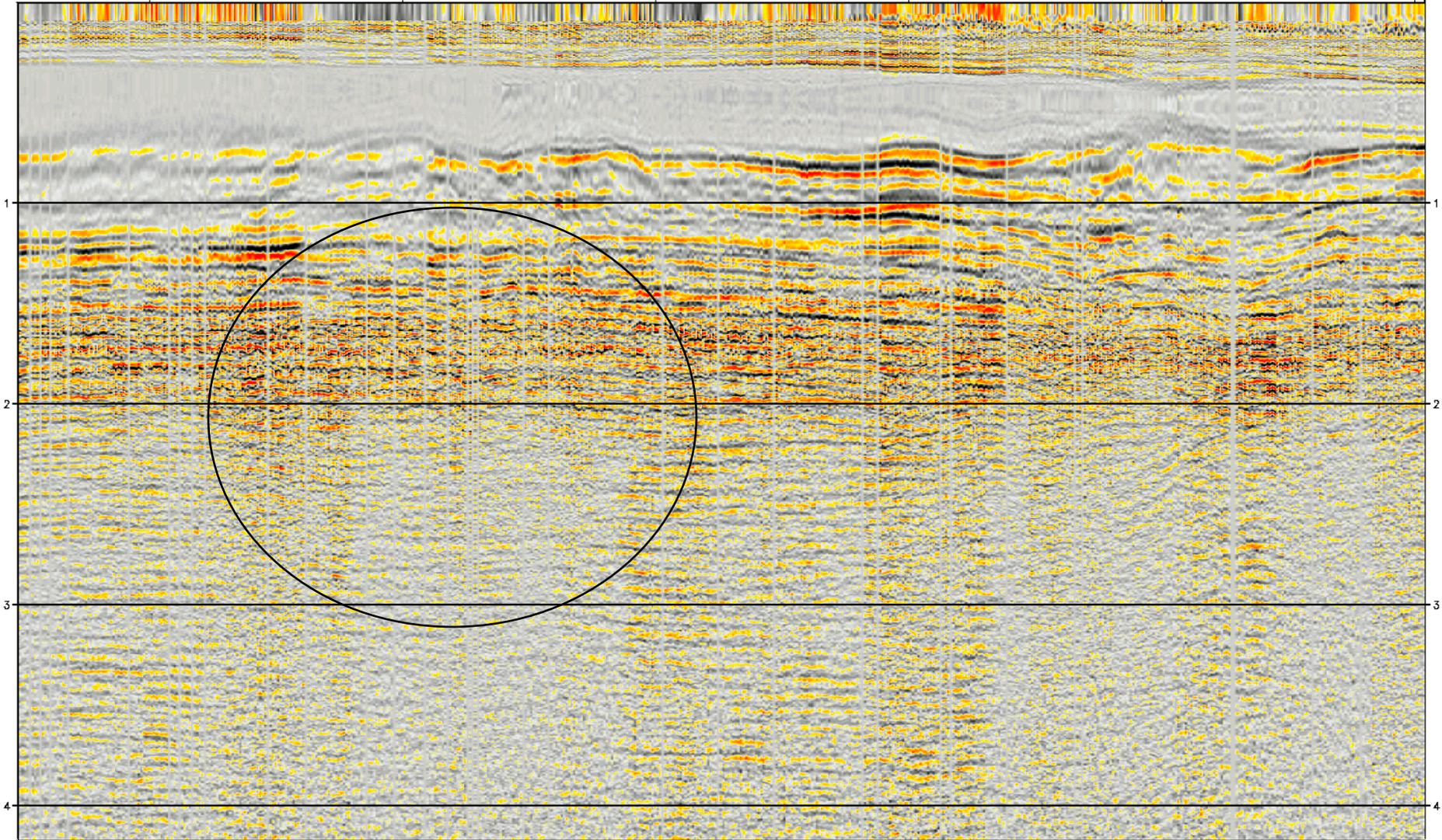
1400

1500

1600

1700

6512
18004



1300

1400

1500

1600

1700

6512
18004

Mid Offset ~ After Tidal Static Correction (Crossline 6512)

Tango::spr208pc:s563tap:mid xaf tidal2.1

CROSSLINE 6512 / INLINE

1300

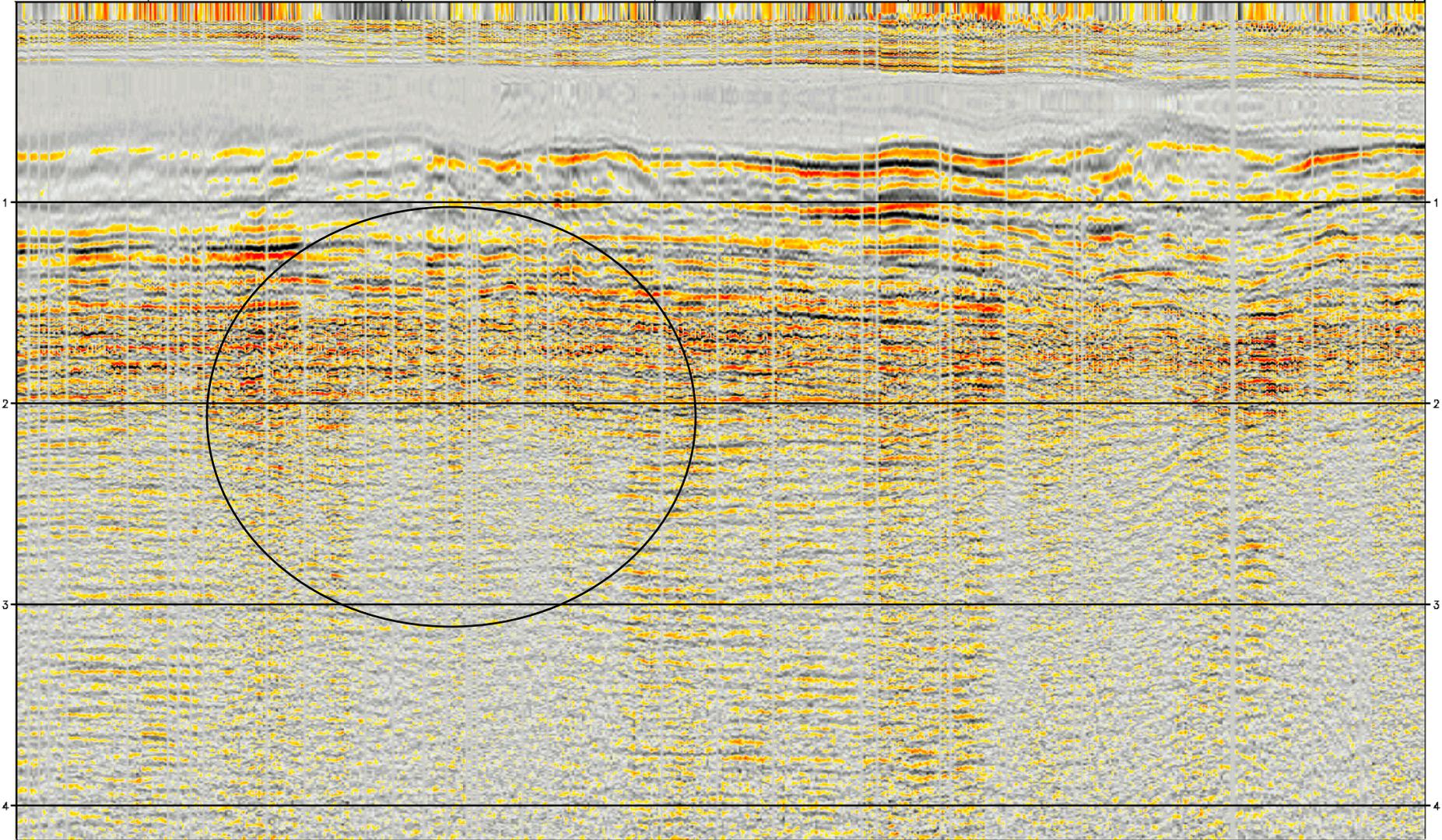
1400

1500

1600

1700

6512
18004



1300

1400

1500

1600

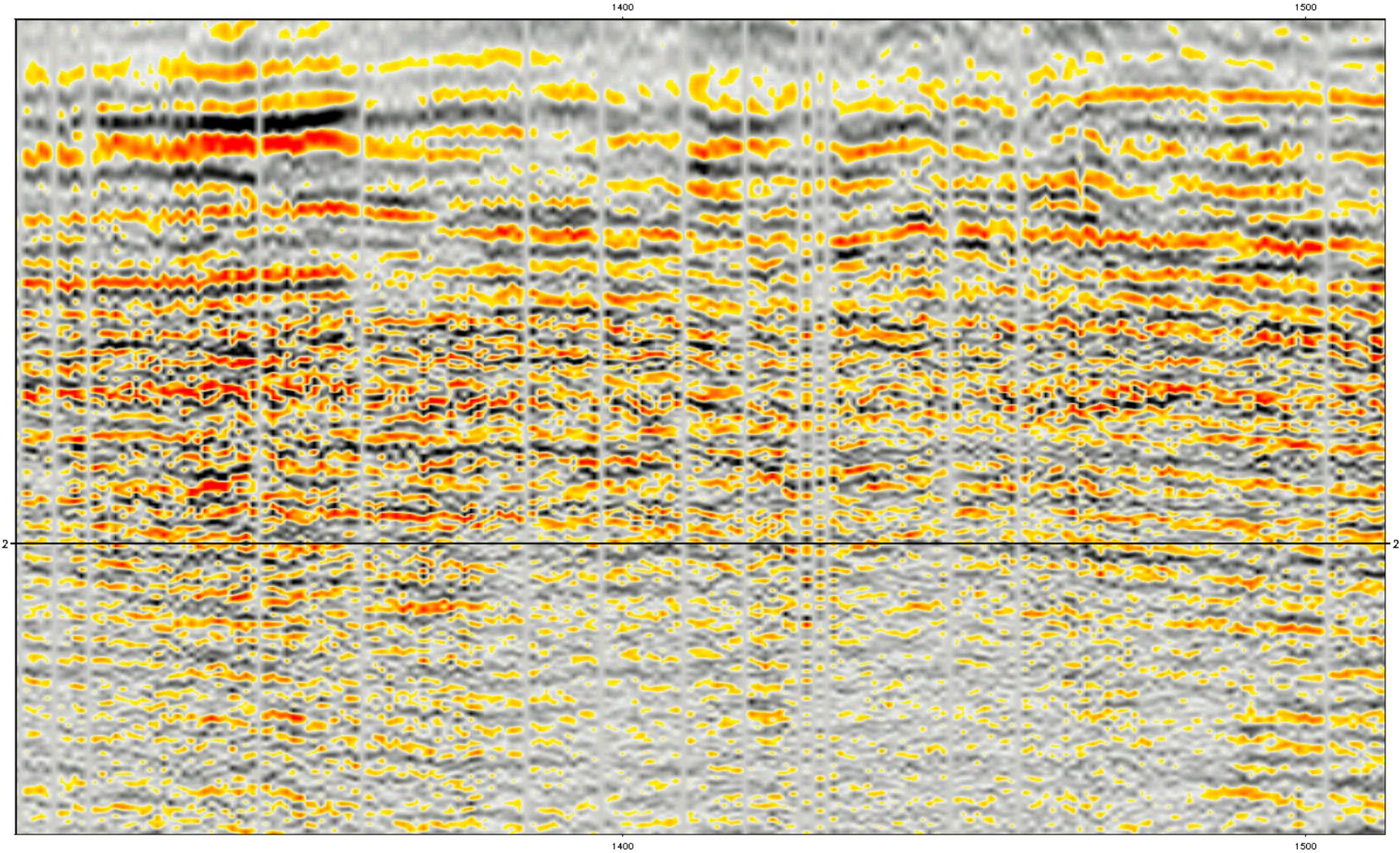
1700

6512
18004

Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563tap:mid xbf tidalr.1

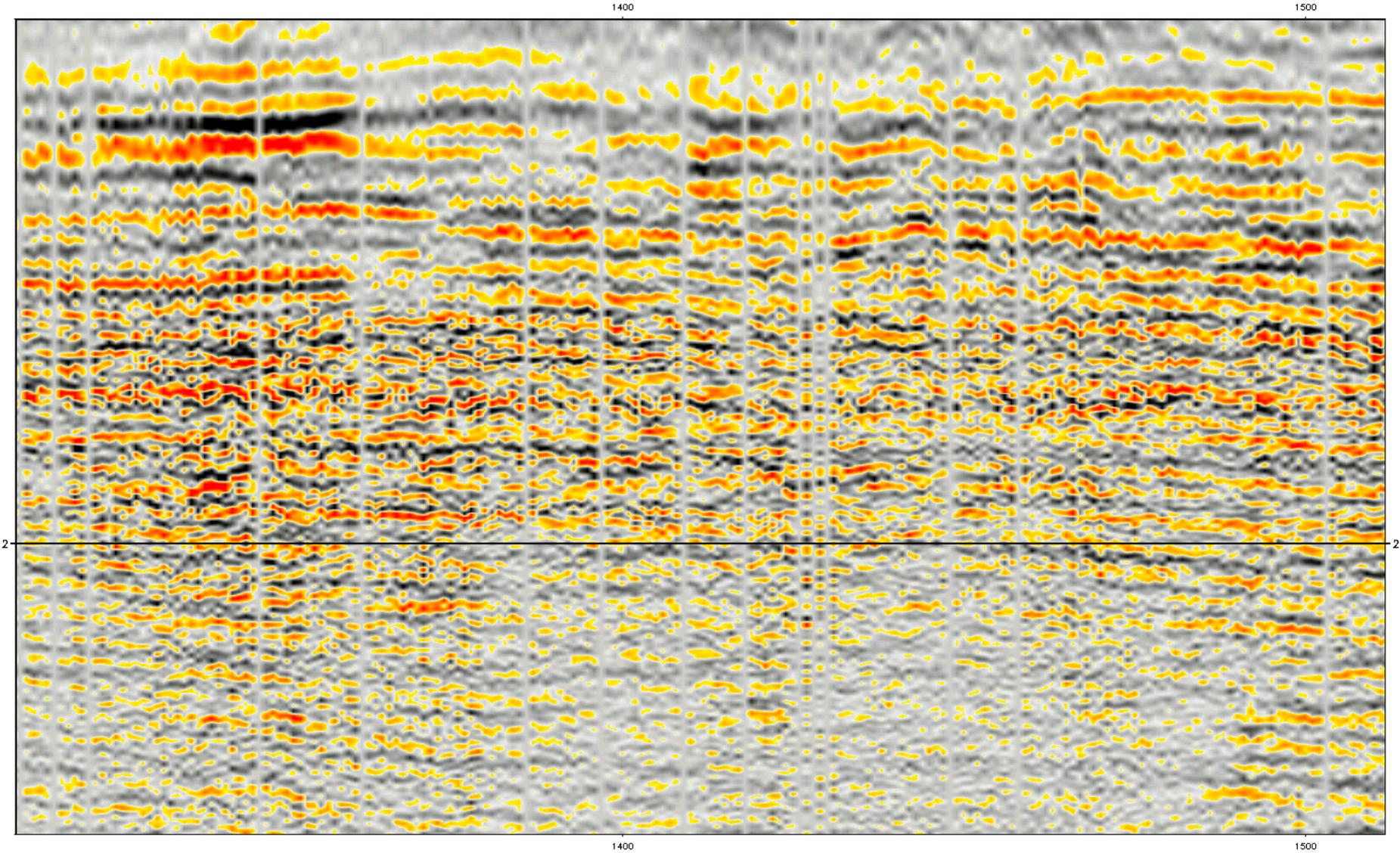
CROSSLINE 6512 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563tap:mid xaf tidal2.1

CROSSLINE 6512 / INLINE



Far Offset (5694):

Crossline 4432, 6832

Far Offset ~ Before Tidal Static Correction (Crossline 4432)

Tango::spr208pc:s563lap:far xbf fidlr.1

CROSSLINE 4432 / INLINE

1300

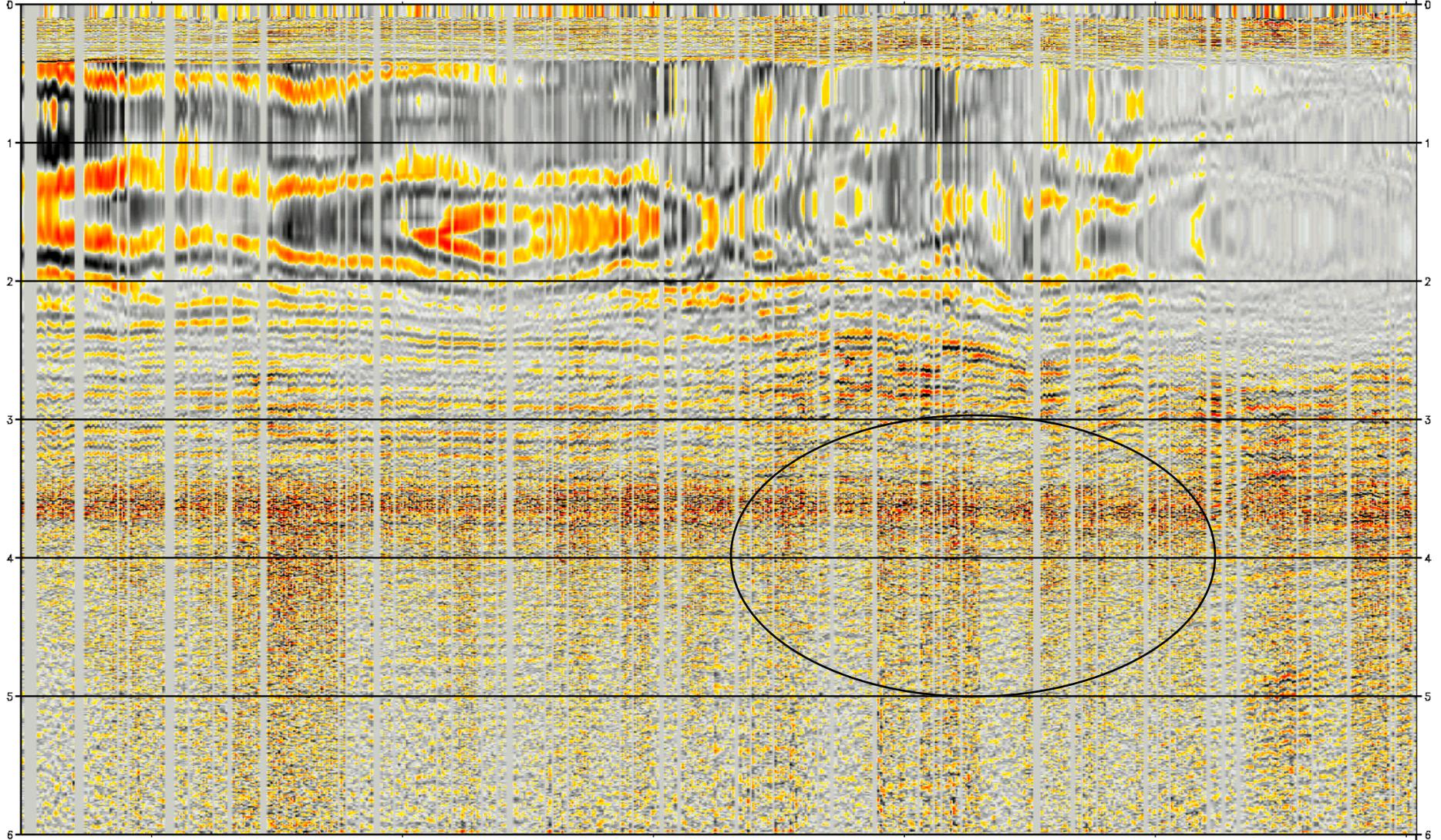
1400

1500

1600

1700

4432
1800



1300

1400

1500

1600

1700

1800
4432

Far Offset ~ After Tidal Static Correction (Crossline 4432)

Tango::spr208pc:s5631ap:far xaf tidal2.1

CROSSLINE 4432 / INLINE

1300

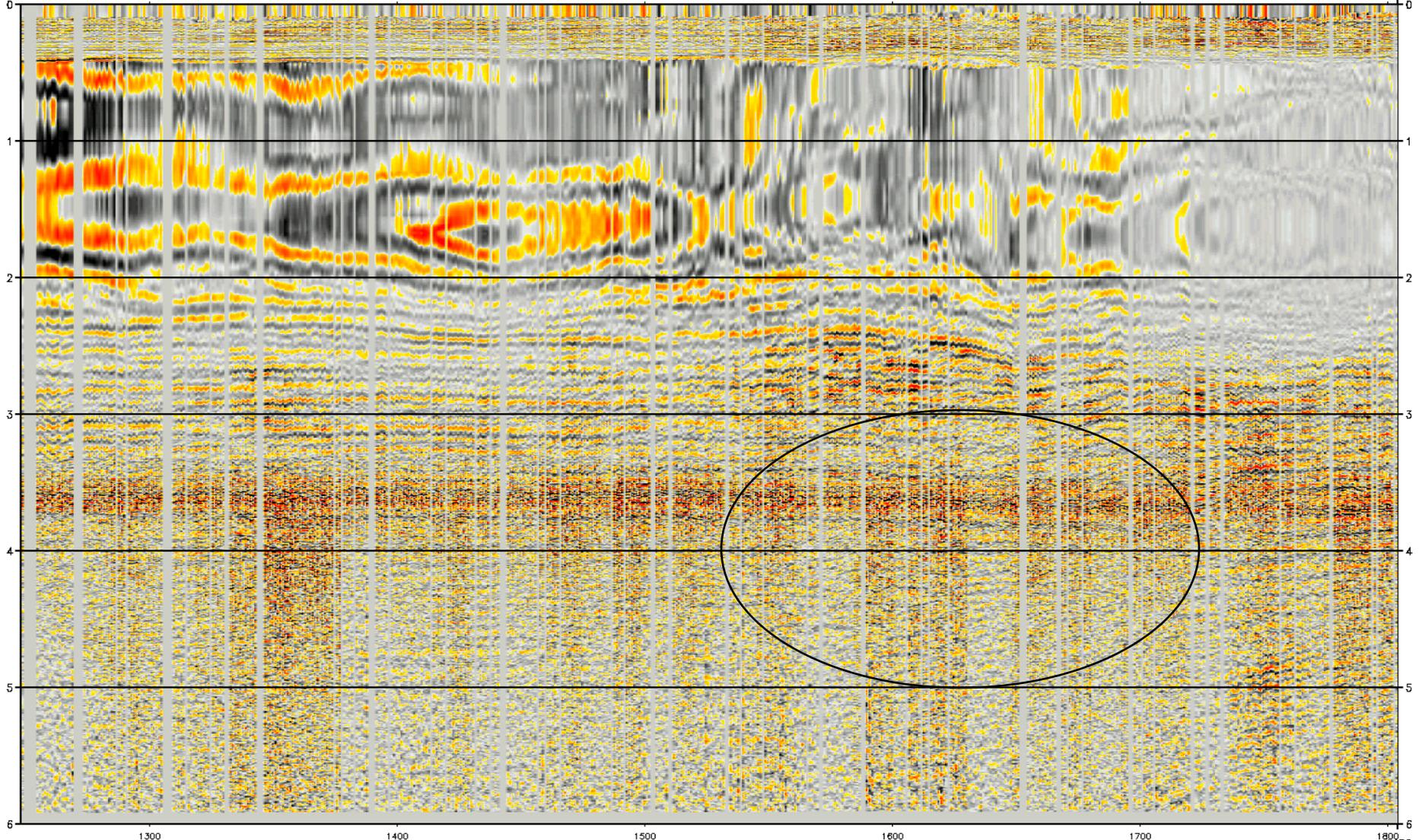
1400

1500

1600

1700

4432
1800



1300

1400

1500

1600

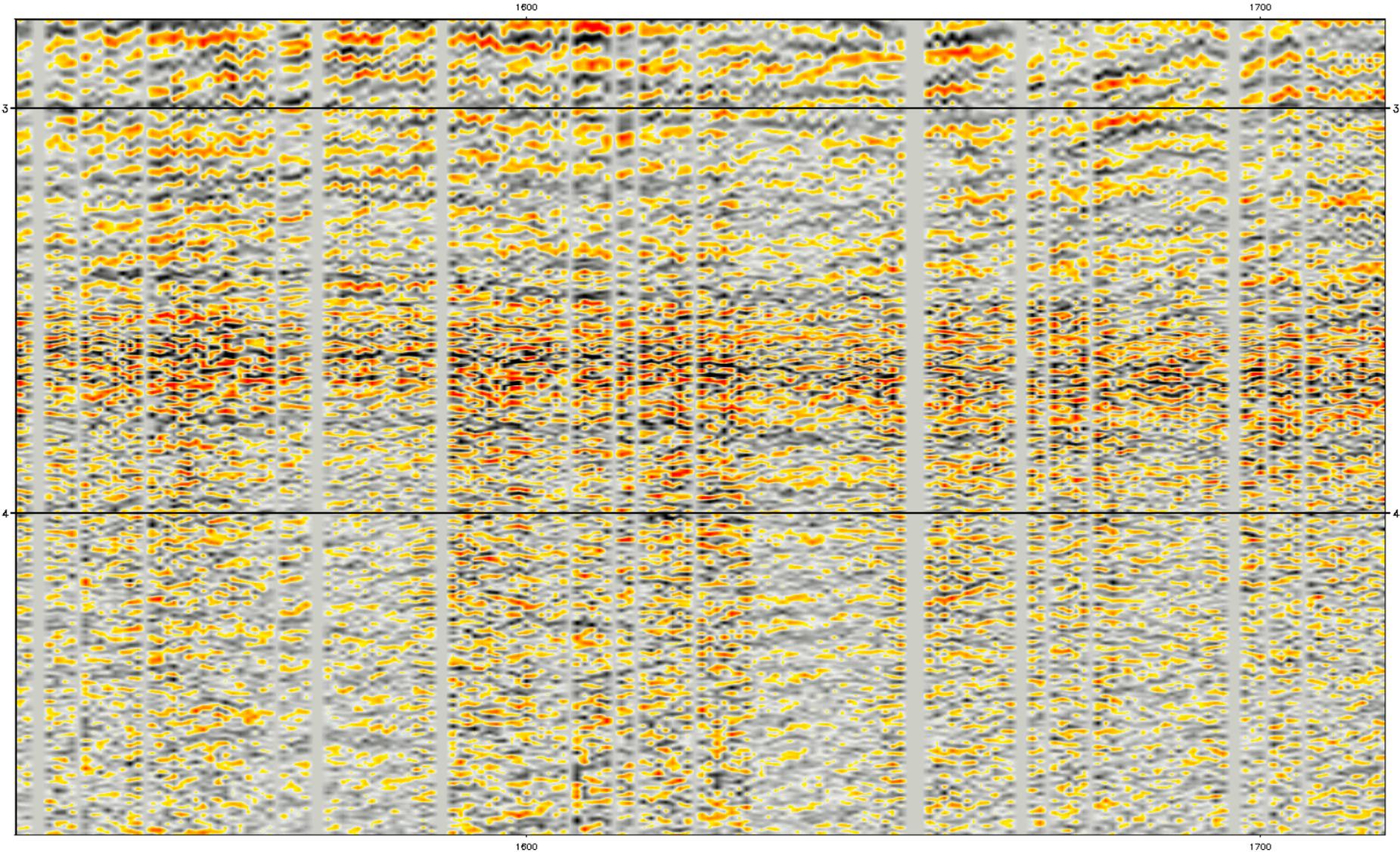
1700

1800
4432

Zoomed Section Before Tidal Static Correction

Tango::spr208pc:s563lap:far xbf fidlr.1

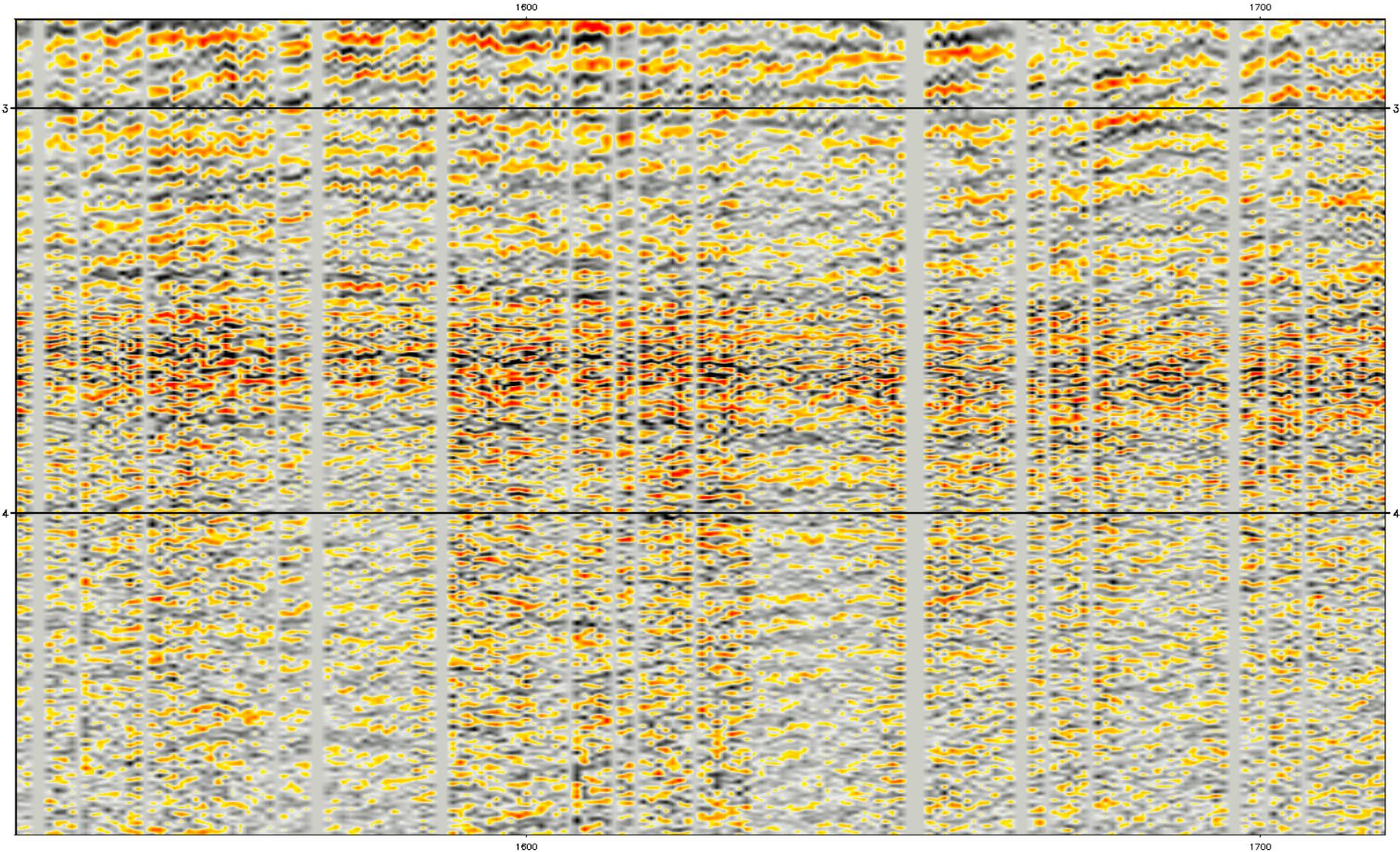
CROSSLINE 4432 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563lap:far xaf fidal2.1

CROSSLINE 4432 / INLINE



Far Offset ~ Before Tidal Static Correction (Crossline 6832)

Tango::spr208pc:s563lap:far xbf fidlr.1

CROSSLINE 6832 / INLINE

1300

1400

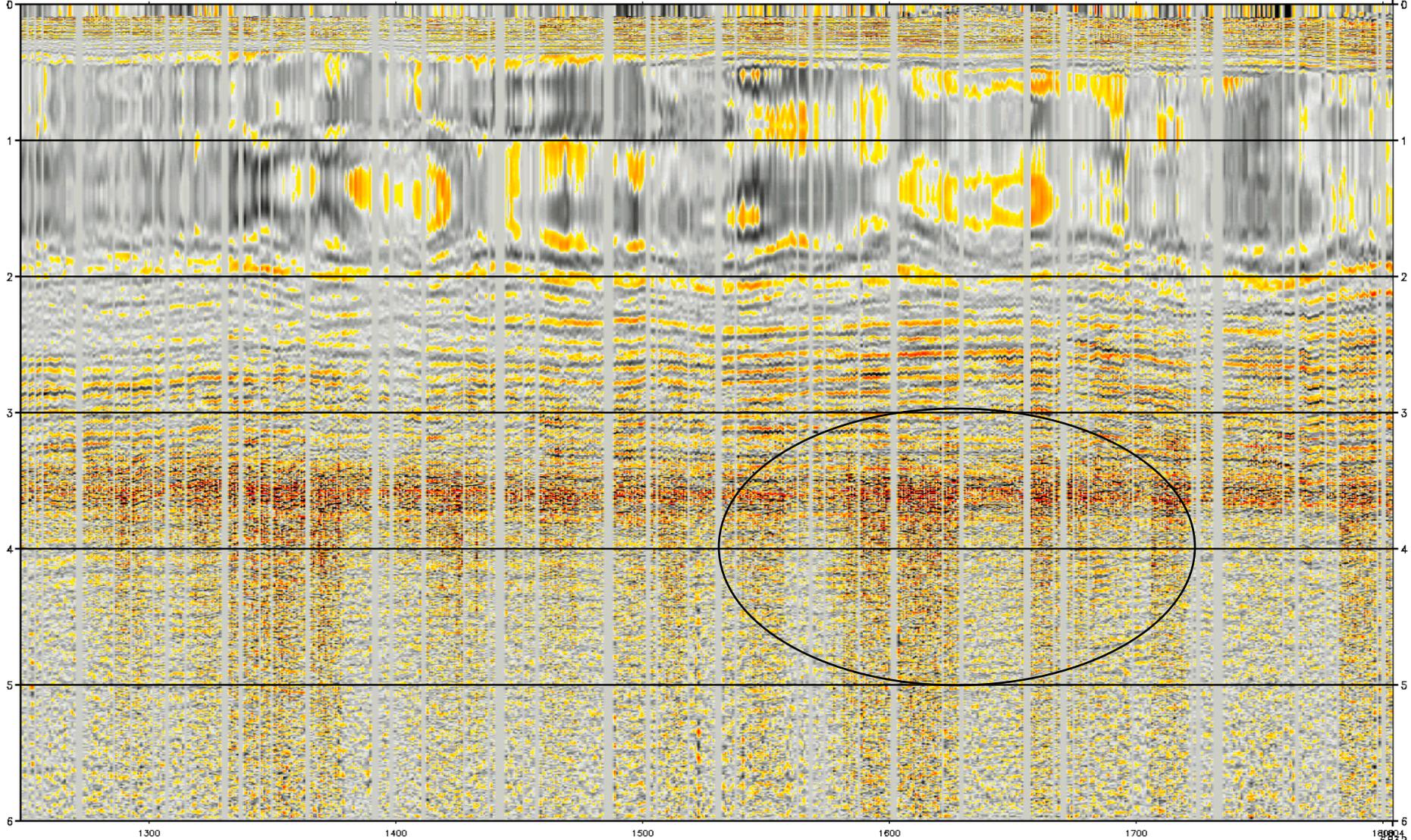
1500

1600

1700

6832

18004



1300

1400

1500

1600

1700

6832

18004

Far Offset ~ After Tidal Static Correction (Crossline 6832)

Tango::spr208pc:s563lap:far xaf tidal2.1

CROSSLINE 6832 / INLINE

1300

1400

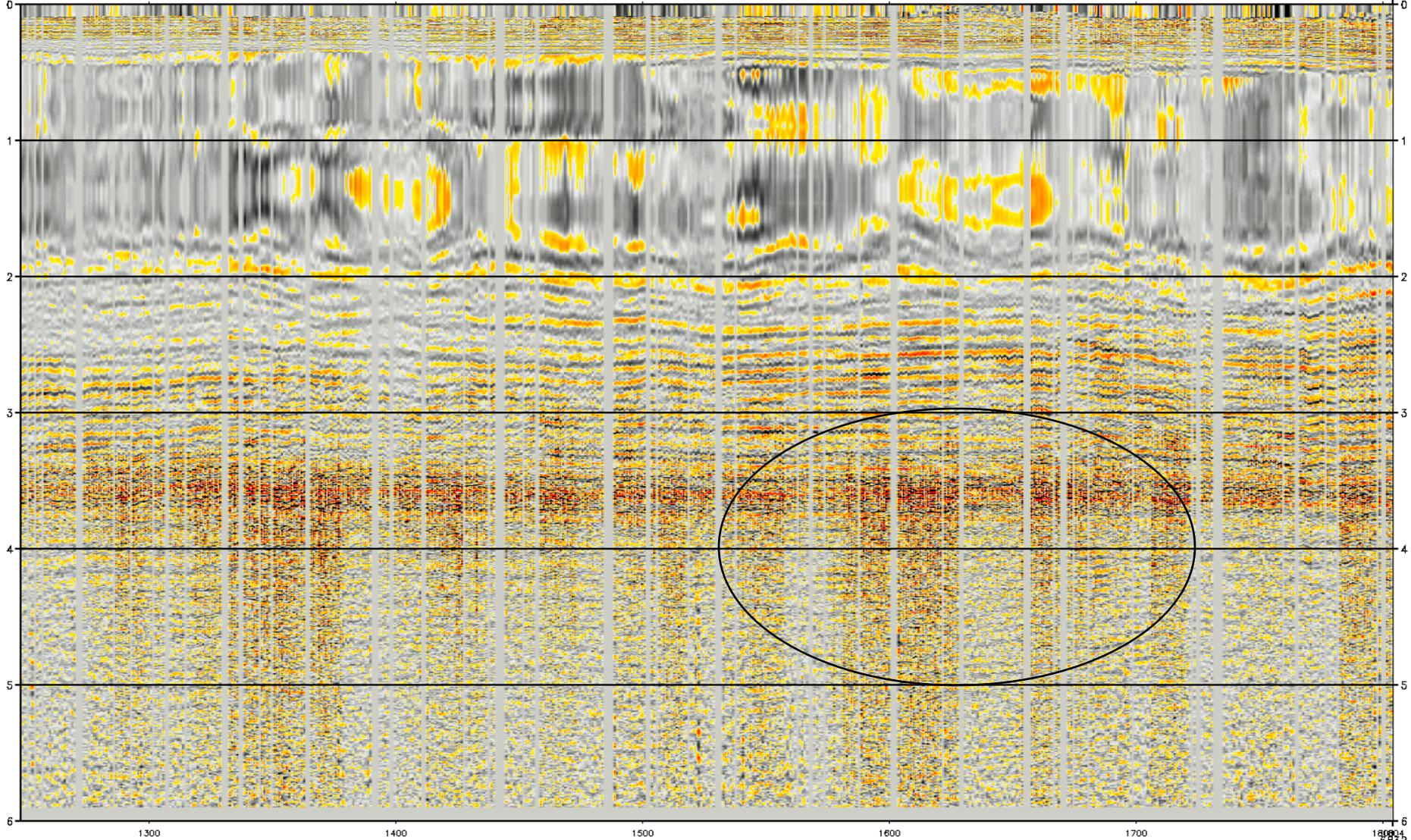
1500

1600

1700

6832

18004



1300

1400

1500

1600

1700

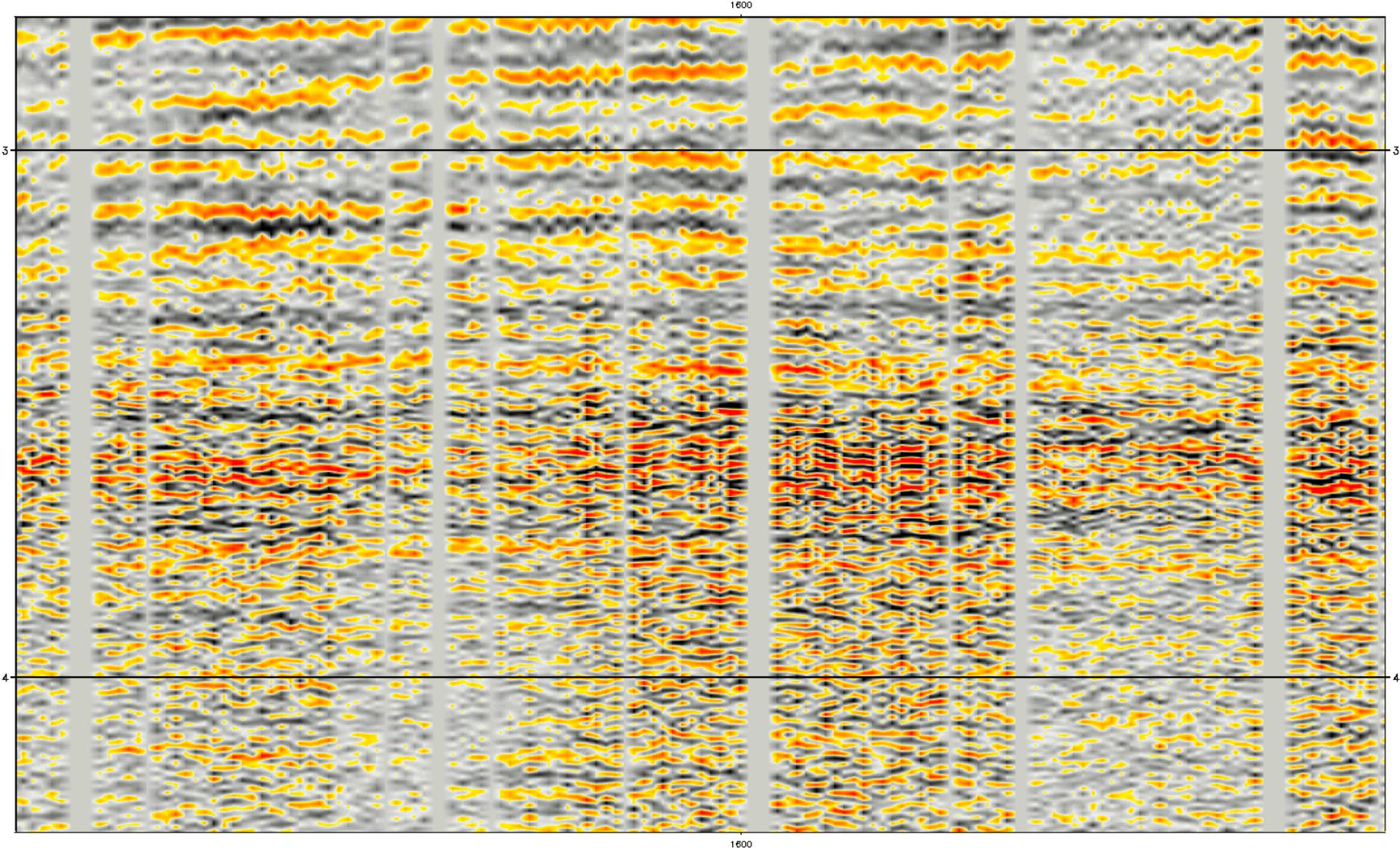
6832

18004

Zoomed Section Before Tidal Static Correction

Tango::spr208pcs563lap:far xbf fidlr.1

CROSSLINE 6852 / INLINE



Zoomed Section After Tidal Static Correction

Tango::spr208pc:s563lap:far xaf fidal2.1

CROSSLINE 6852 / INLINE

