Tap Oil T/47P 3D PSTM

Channel Scaling Test 3

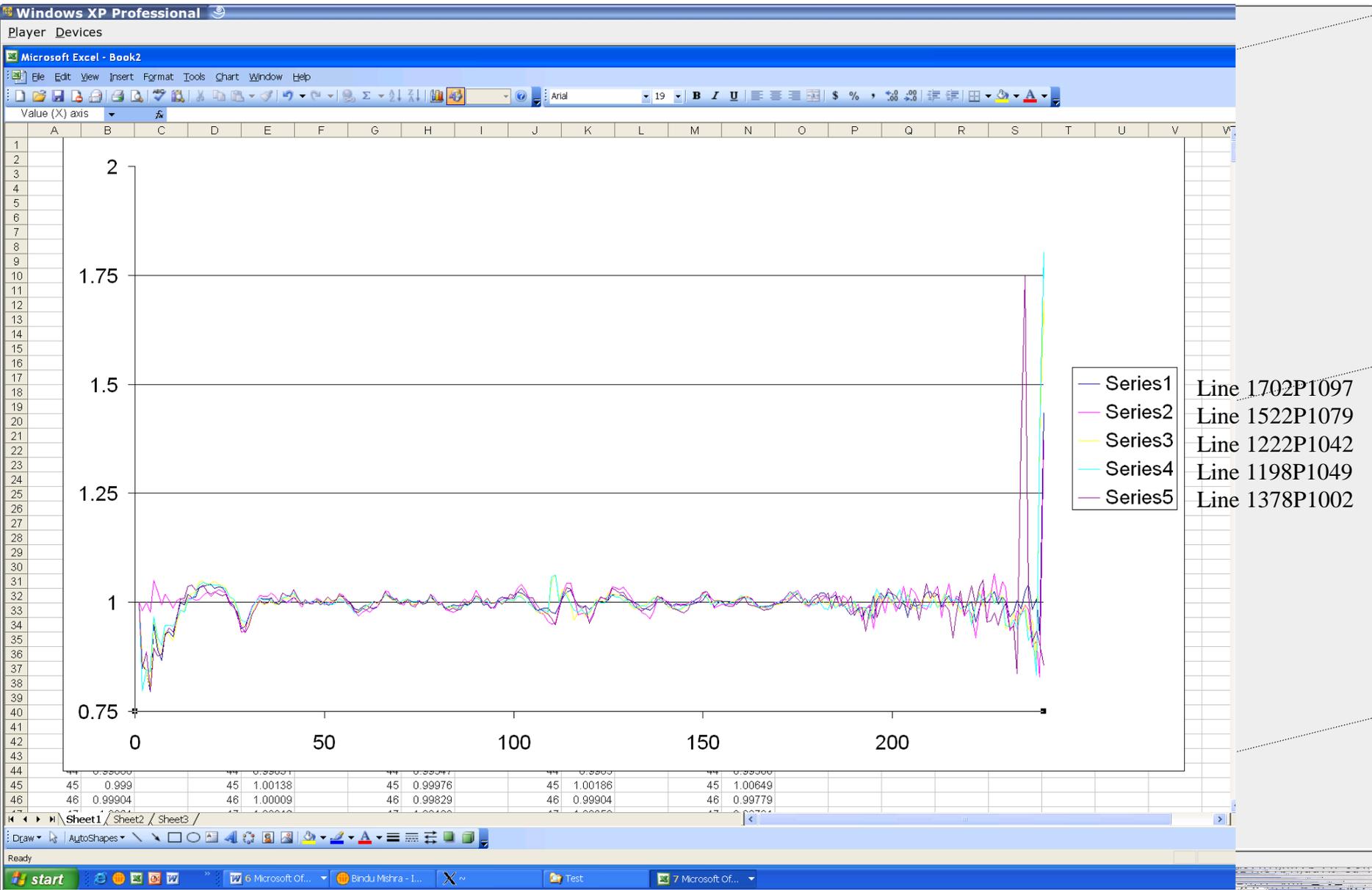# Processing Flow

- 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 test**
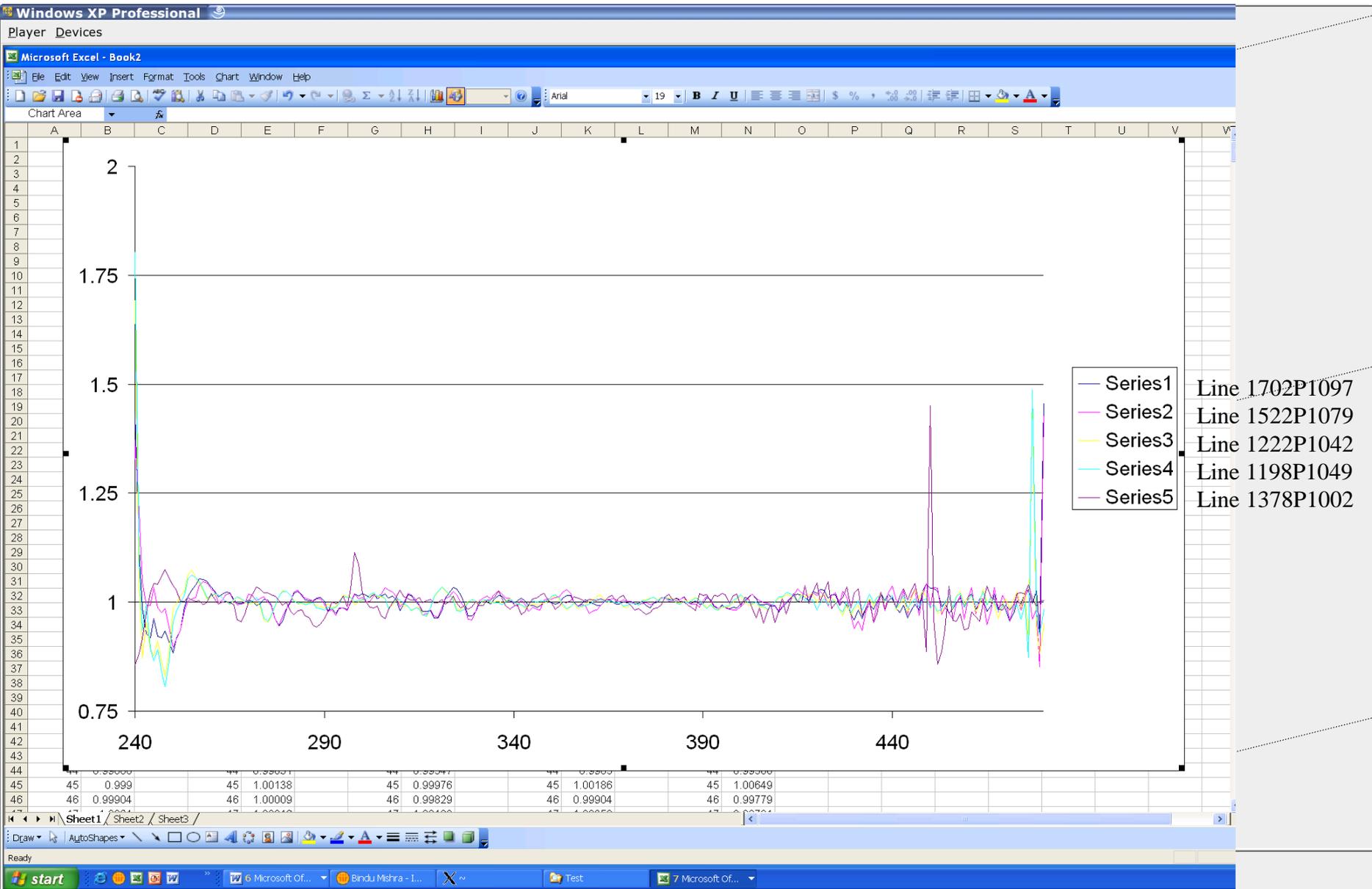
CGGVERITAS

Summary

- Five sail lines are selected across the survey.

- Channel scalar computed on those five sail lines.

- Displays:

- The scalar values of 5 sail lines are plotted for comparison.

- Amplitude maps are displayed.

- Recommendation:

  - By looking at the scalar plot, it seems that, compute and apply channel scalar for each sail line would be a better option rather than taking one average value.
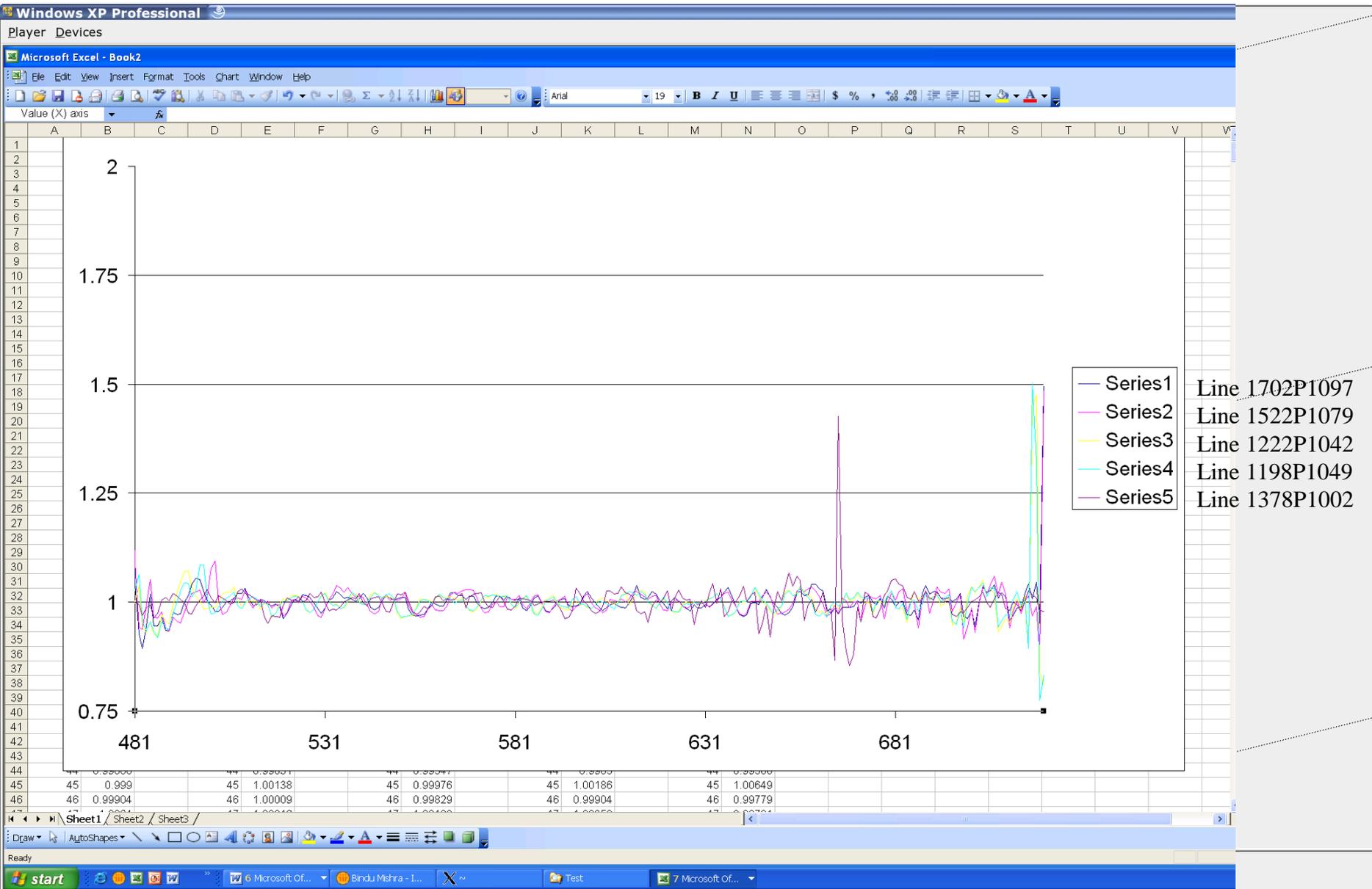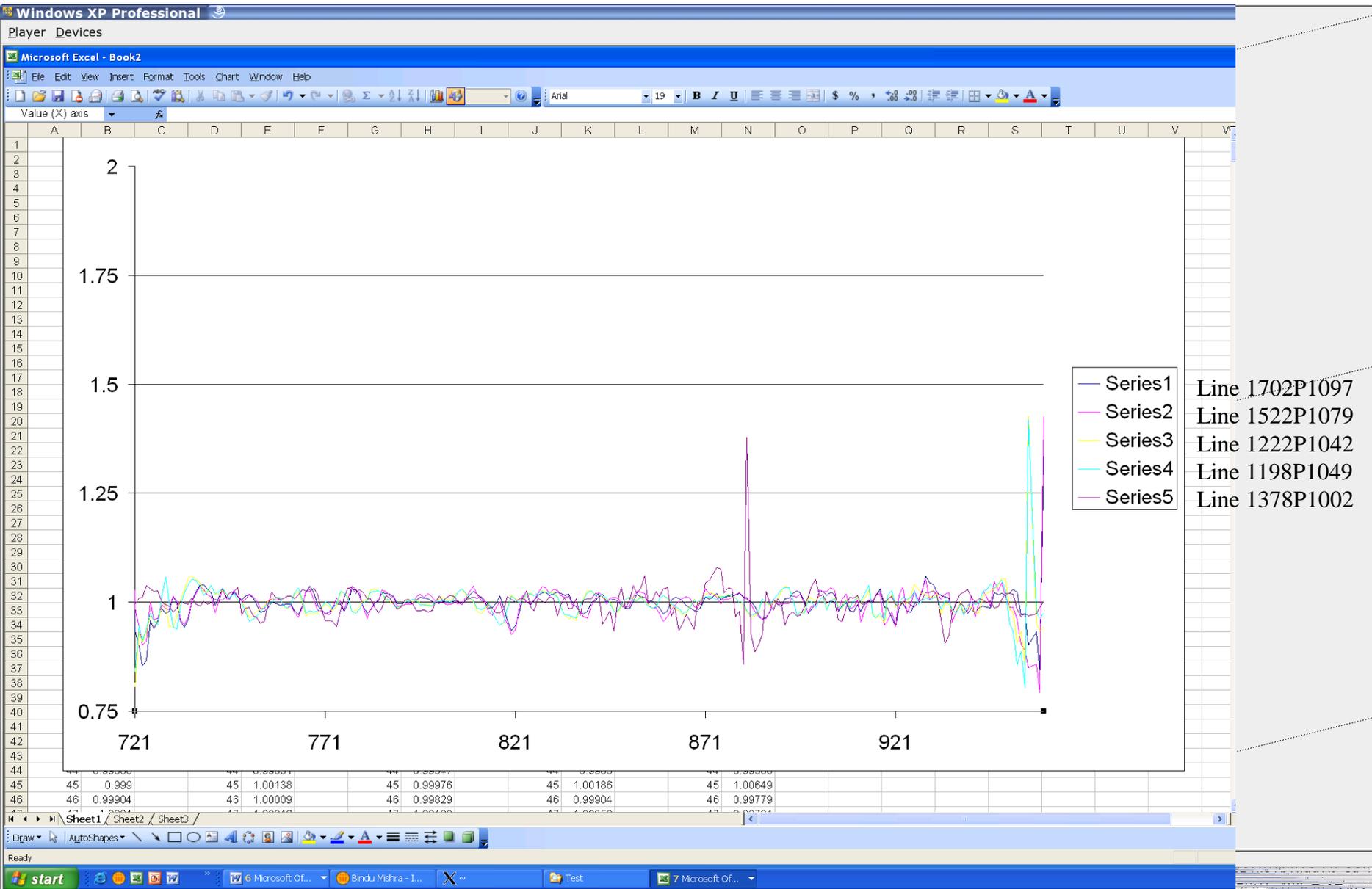
CGGVERITAS

Channel 1 to 240
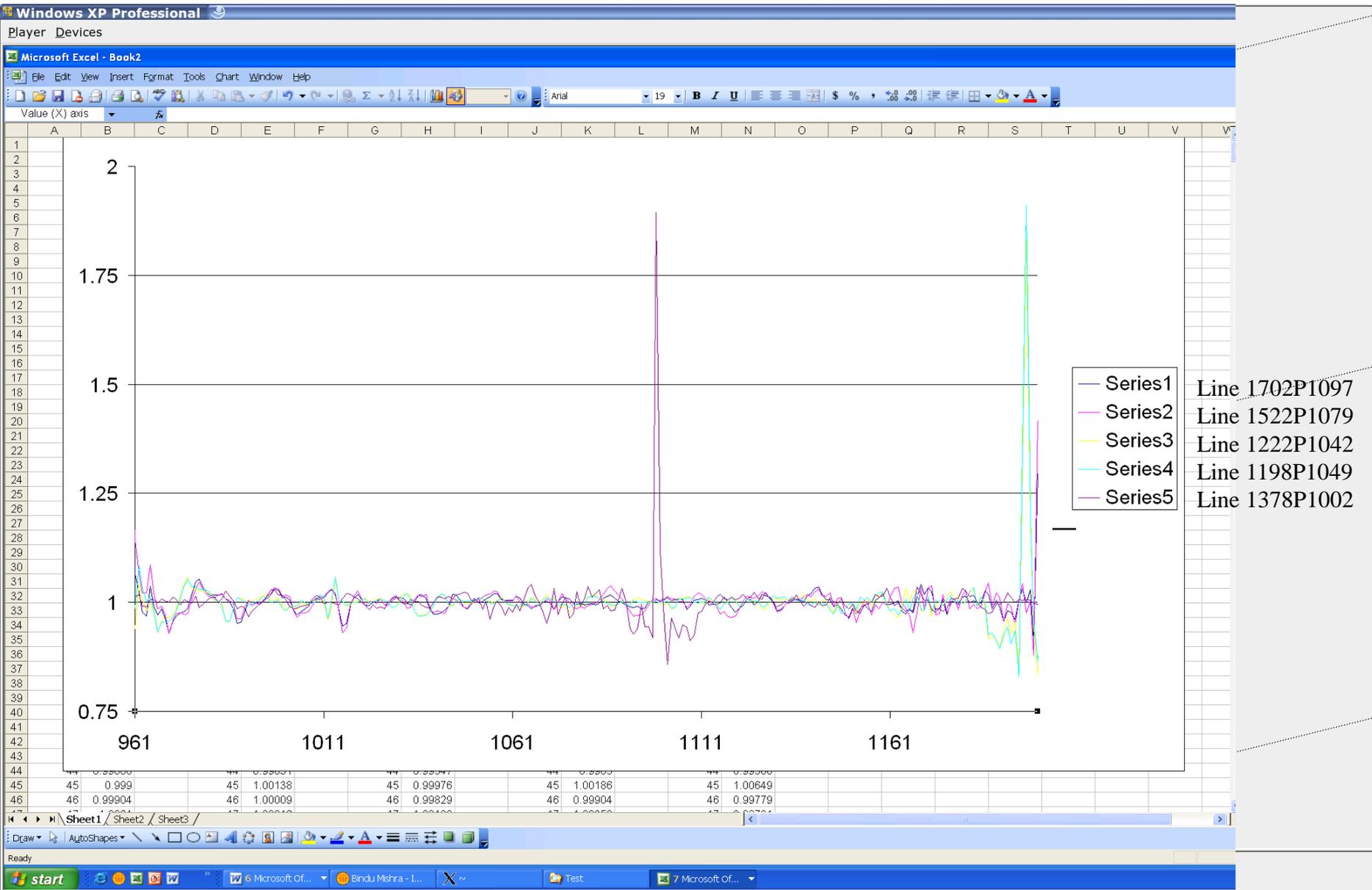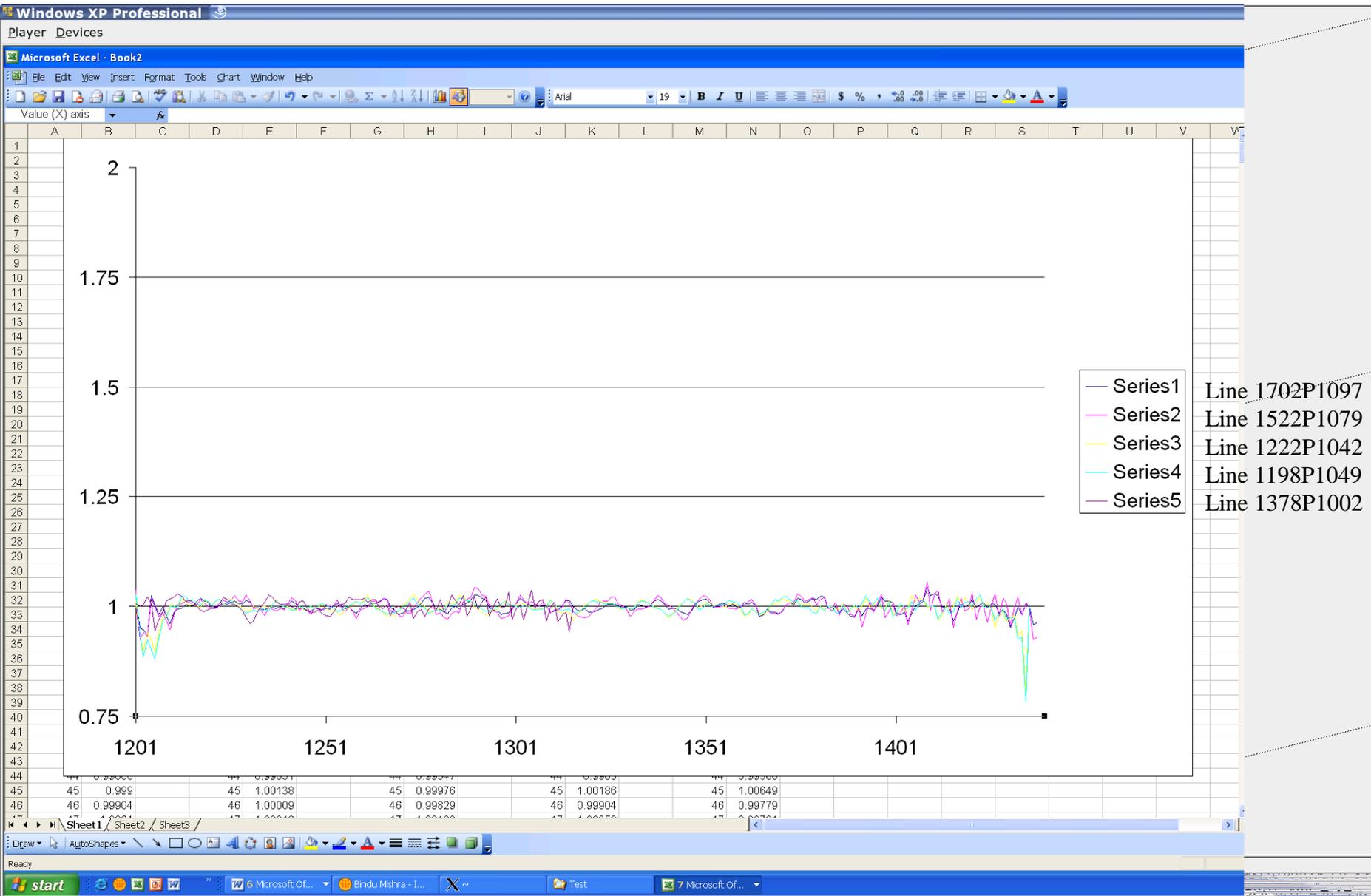
Channel 241 to 440

Channel 481 to 720

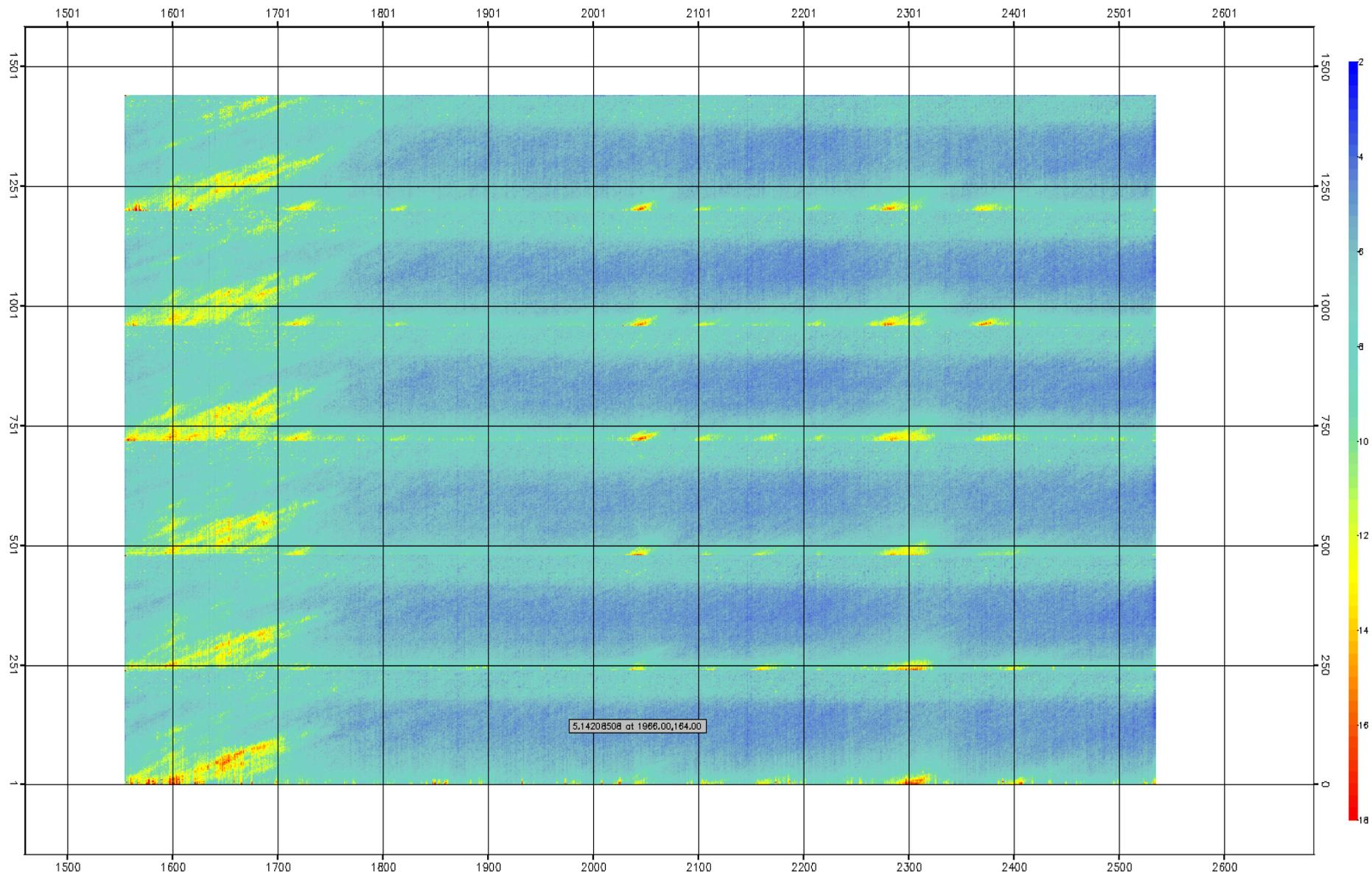# Channel 721 to 960

Channel 961 to 1200
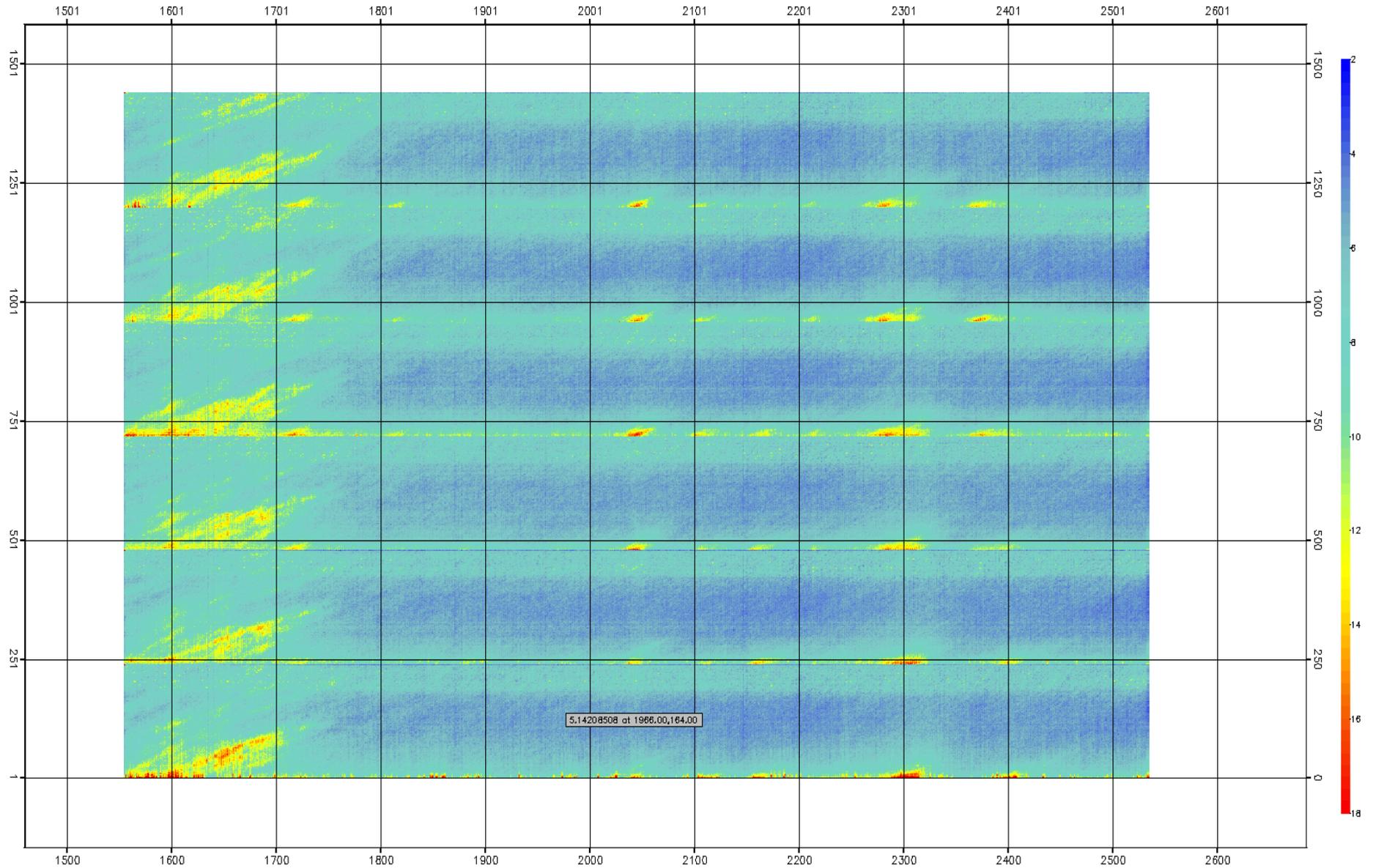
Channel 1201 to 1440

Sail line 1702P1097 - Before

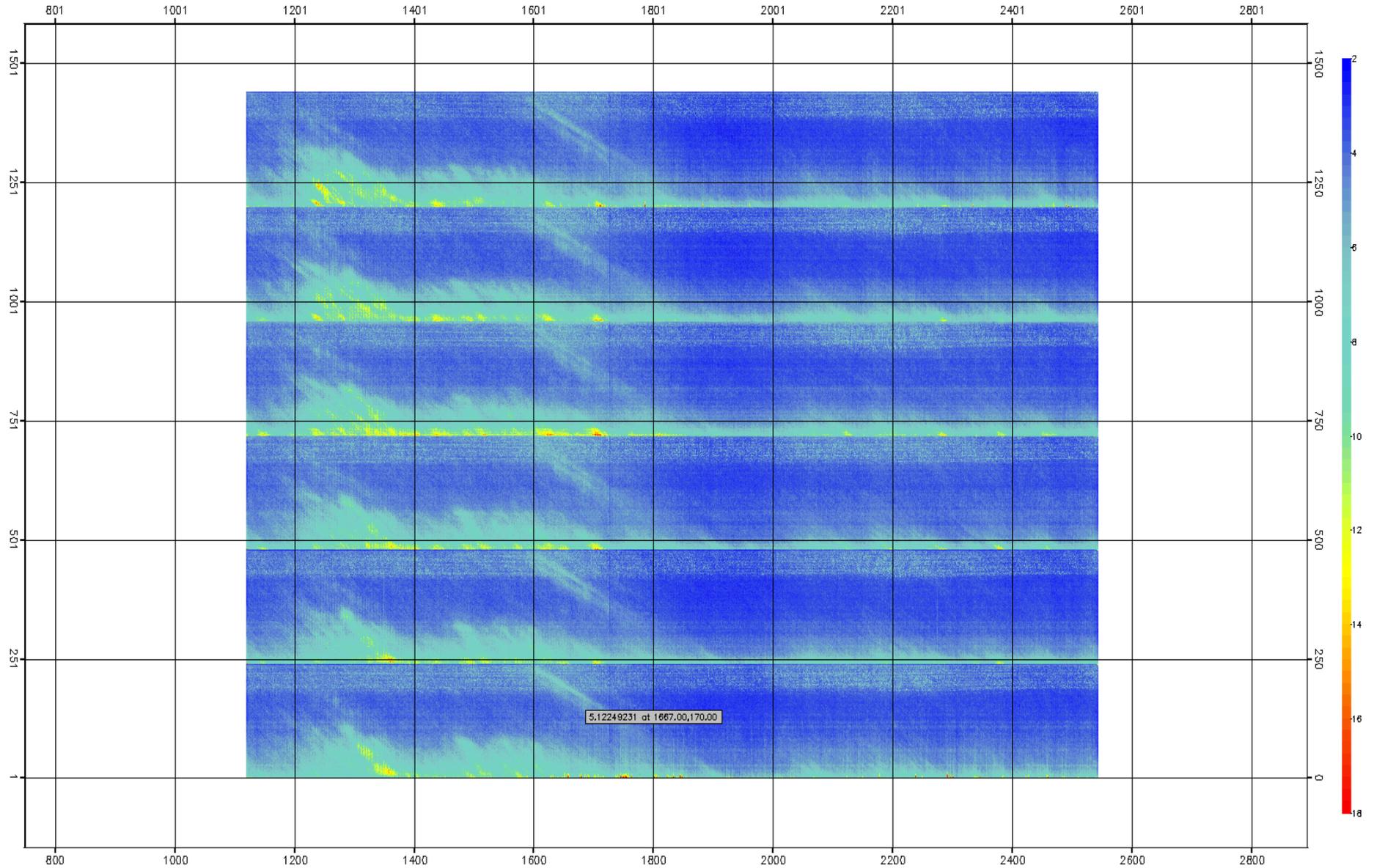Tango:vegas:spr224ws:s563łap:slsc097 00097aqc/ATVAL

Sail line 1702P1097 - After

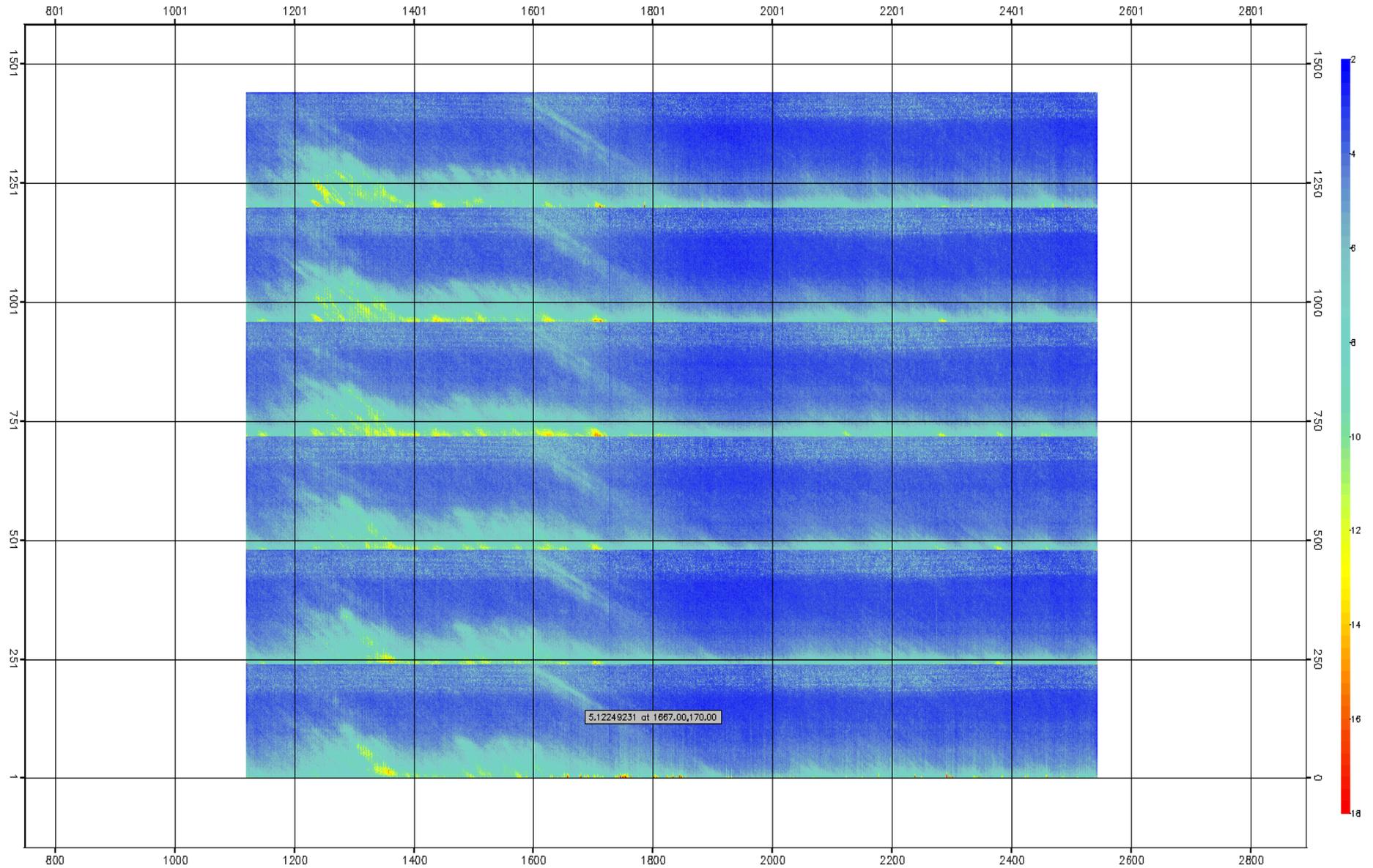Tango:vegas:spr224ws:s563łap:slsc097 00097raw/ATVAL

Sail line 1522P1079 - Before
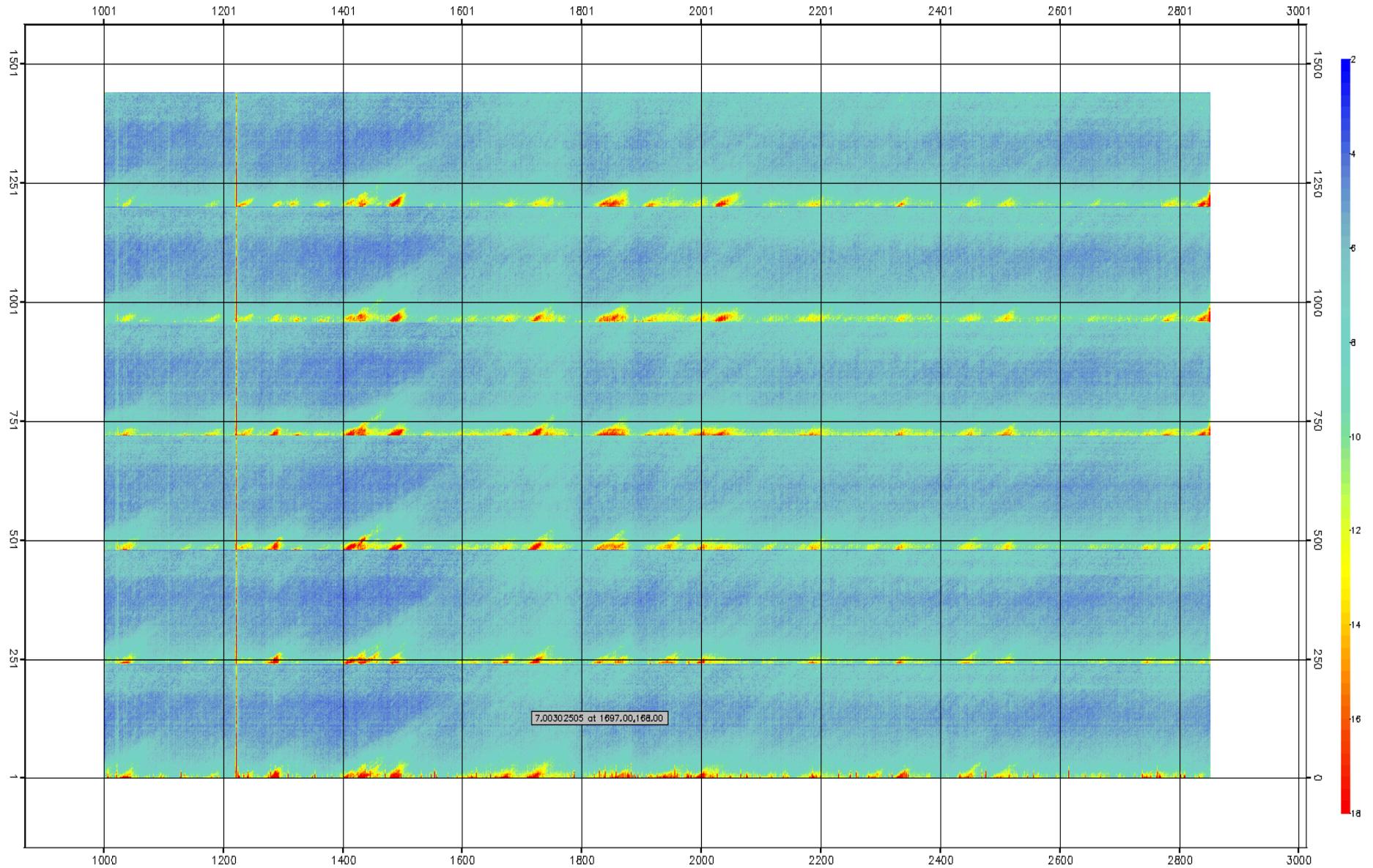

Tango:vegas:spr224ws:s563łap:slsc079 00079raw/ATVAL

Sail line 1522P1079 - After

Tango:vegas:spr224ws:s563łap:slsc079 00079aqc/ATVAL
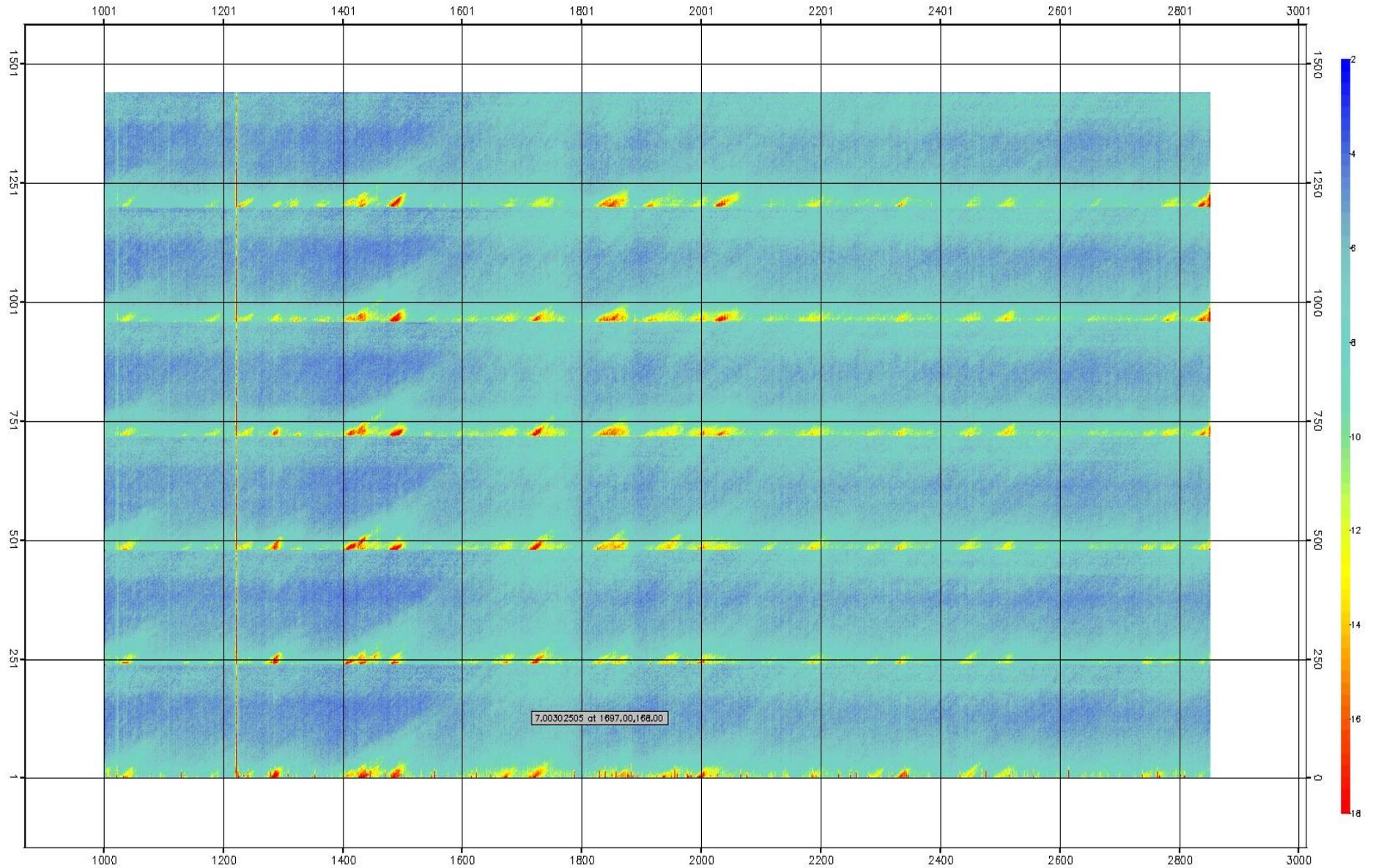
5.12249231 at 1667.00,170.00

Sail line 1222P1042 - Before

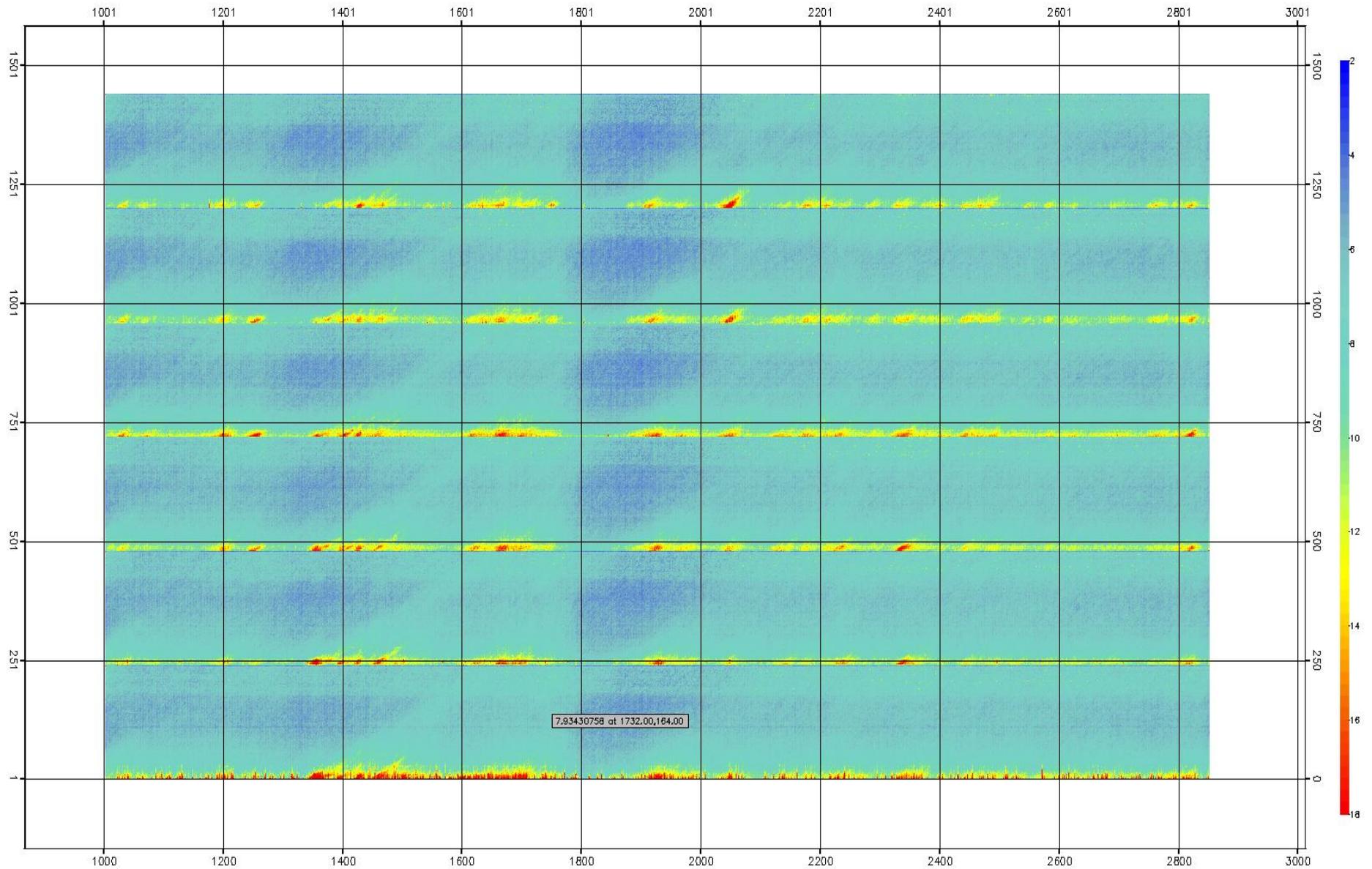Tango:vegas:spr224ws:s563łap:slsc042 00042raw/ATVAL

Sail line 1222P1042 - After

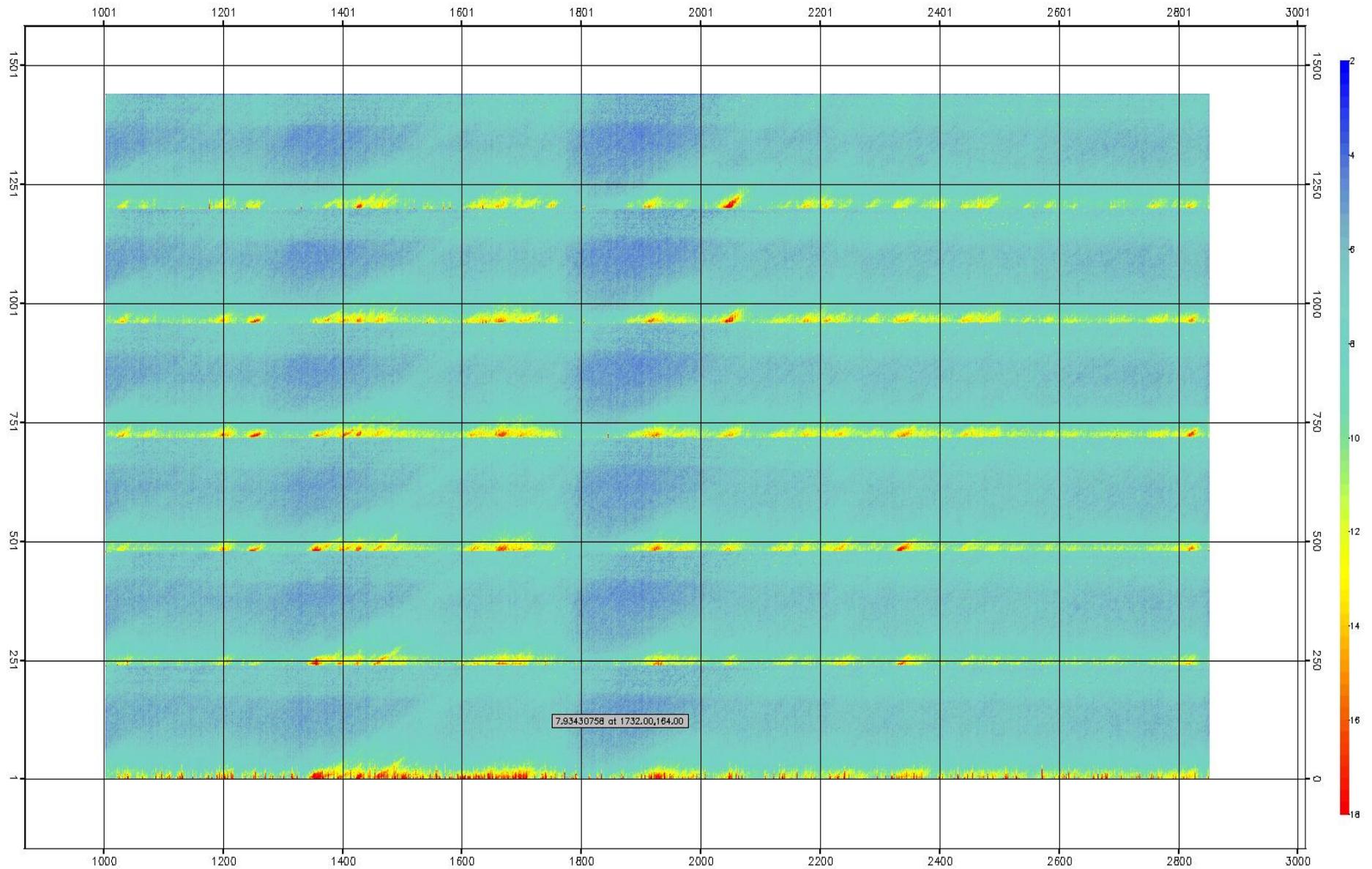Tango:vegas:spr224ws:s563łap:slsc042 00042aqc/ATVAL

Sail line 1198P1049 - Before

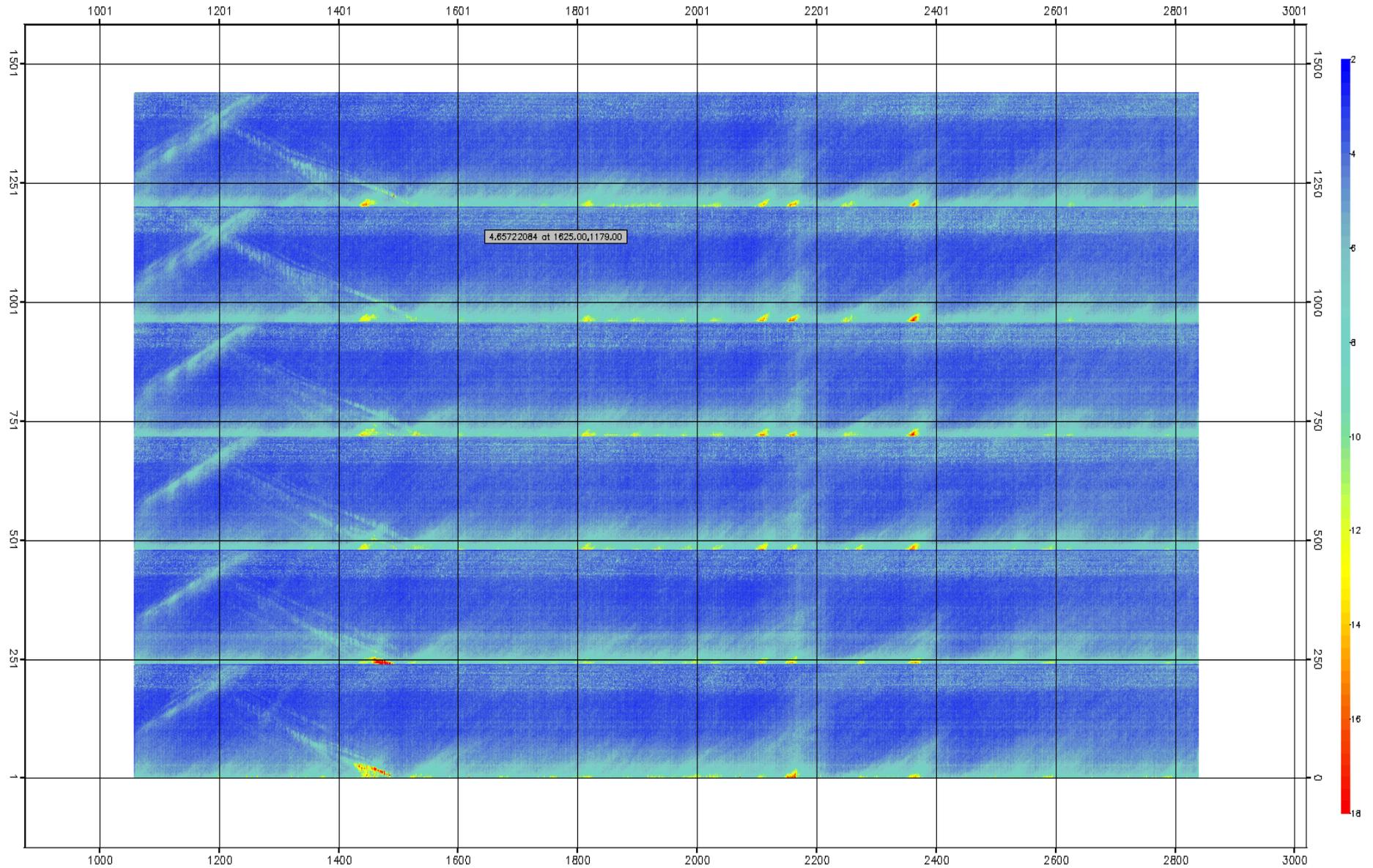Tango:vegas:spr224ws:s563łap:slsc049 00049raw/ATVAL

Sail line 1198P1049 - After

Tango:vegas:spr224ws:s563łap:slsc049 00049aqc/ATVAL

Sail line 1378P1002 - Before

Sail line 1378P1002 - After

Tango:vegas:spr224ws:s563fap:slsc002 00002aqc/ATVAL