

Tap Oil T/47P 3D PSTM



Footprint removal test – Near, Middle
& Far offsets' Amplitude Maps

Processing Flow

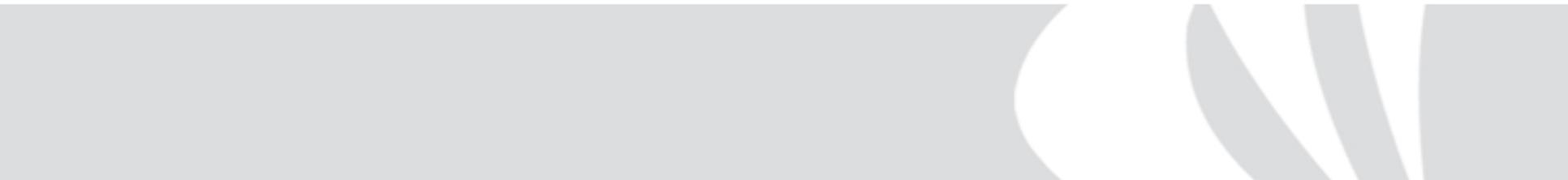
- Reformat
- Navigation merge
- Trace edit
- Low cut filter 3Hz 18dB
- Deterministic de-phase filter to convert data to zero phase using far field signature
- Resample to 4ms using AA filter 110Hz 96dB
- System delay correction
- Spherical divergence correction V^*V*T using regional velocity
- Swell 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

Processing Flow continued..

- 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
- Ralft3D
- Target line migration
- Velocity analysis on 1km x 1km grid
- Reverse NMO
- Remove spherical divergence
- Final migration
- Residual velocity analysis on 0.5 km X 0.5 km grid
- NMO correction with residual velocity
- Second pass radon
- PRAISE
- FLAT3D
- Footprint removal test on near, middle & offsets

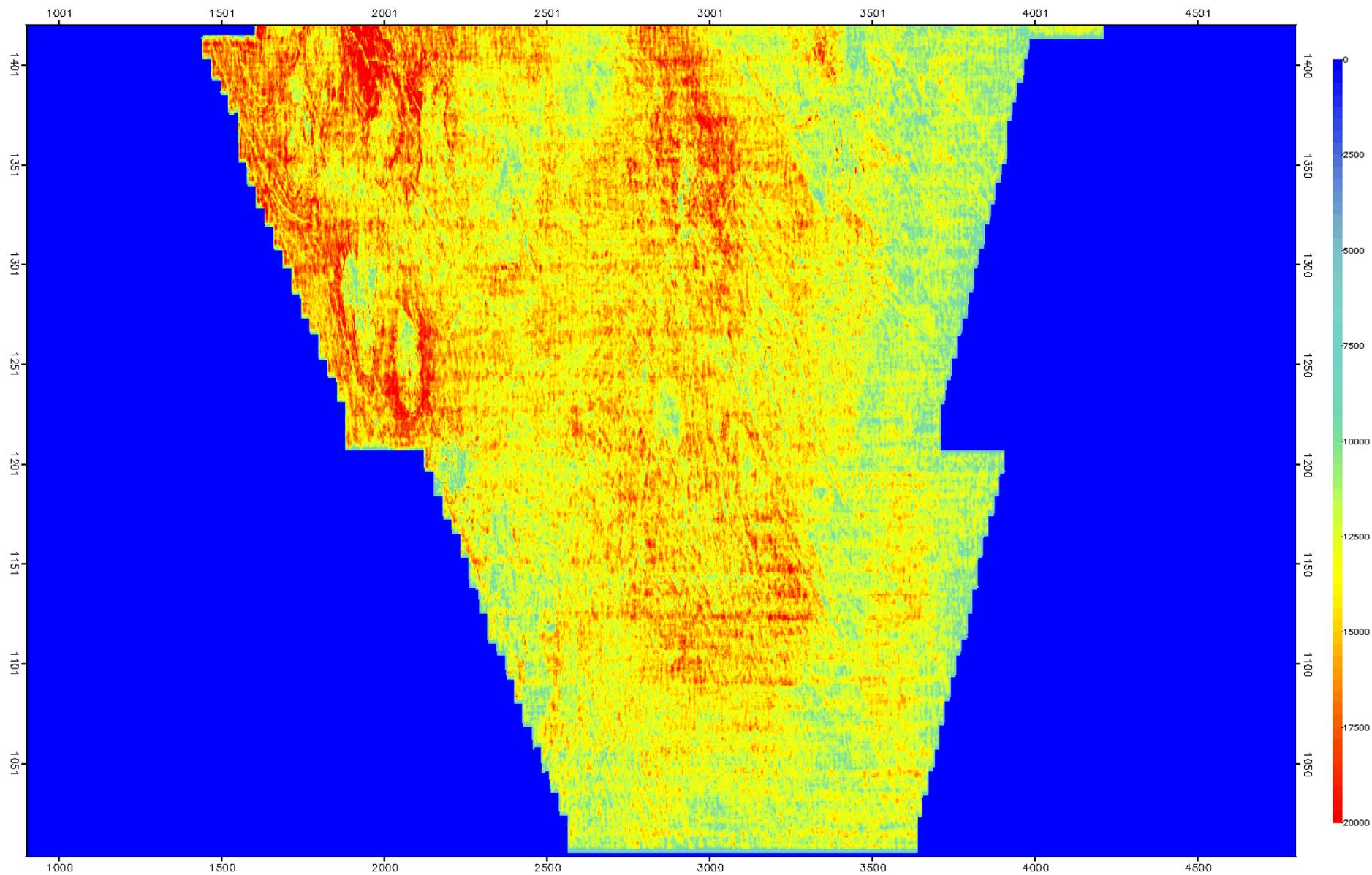


Window 1: 400MS – 800MS



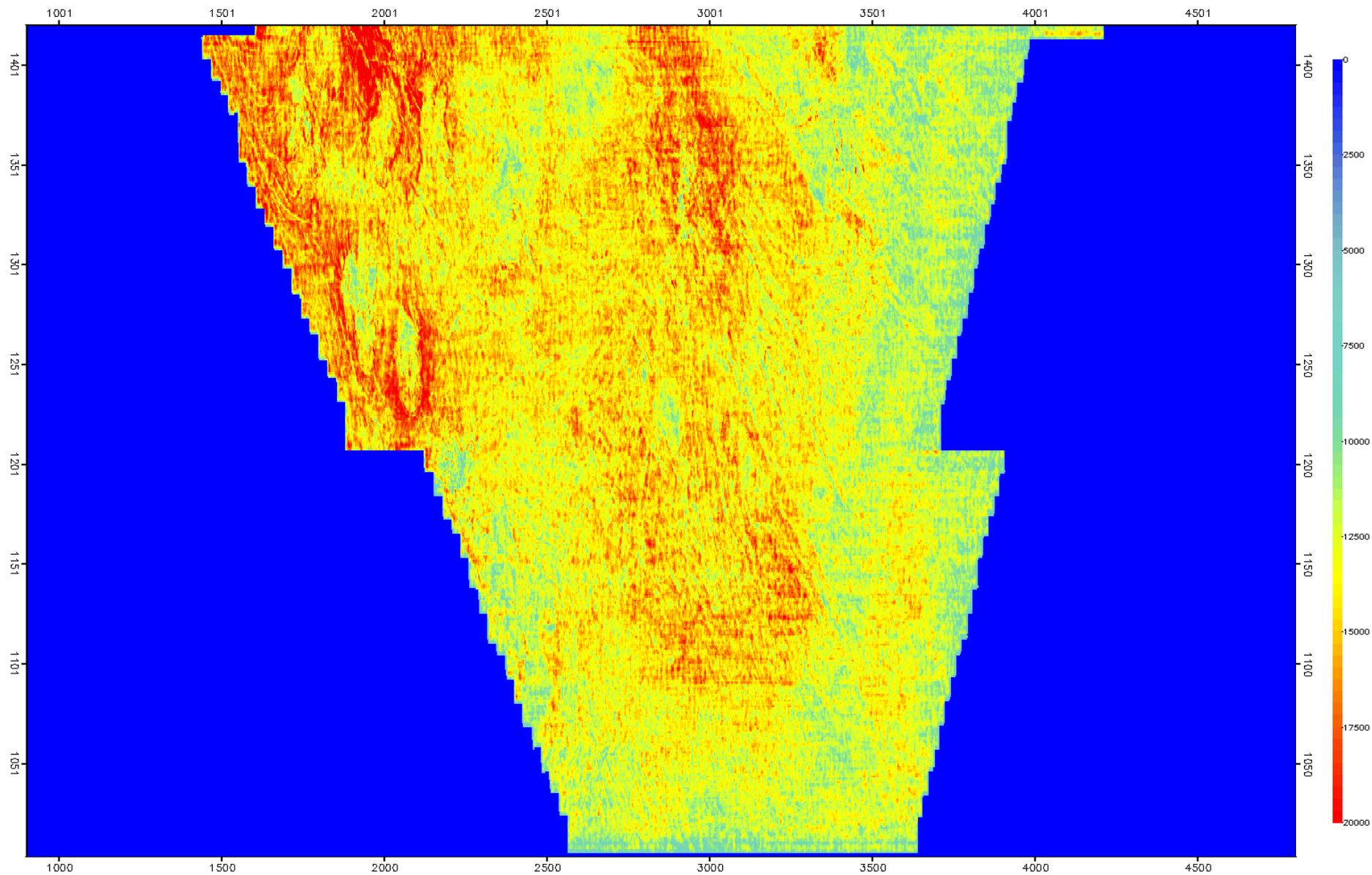
Near offset, before footprint removal

Tango::spr208pc:s563lap:near3bfg1 amp/ATVAL

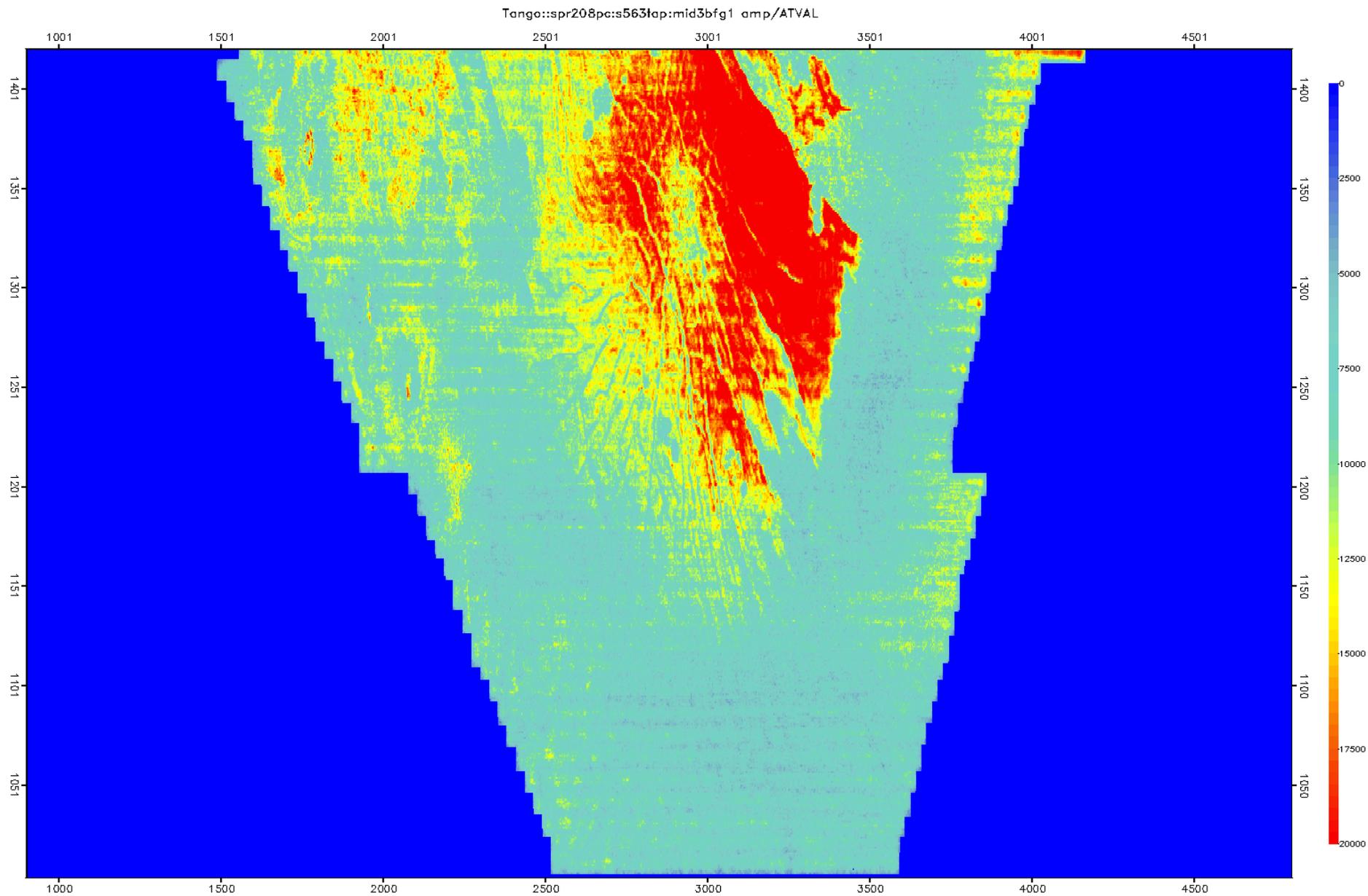


Near offset, after footprint removal

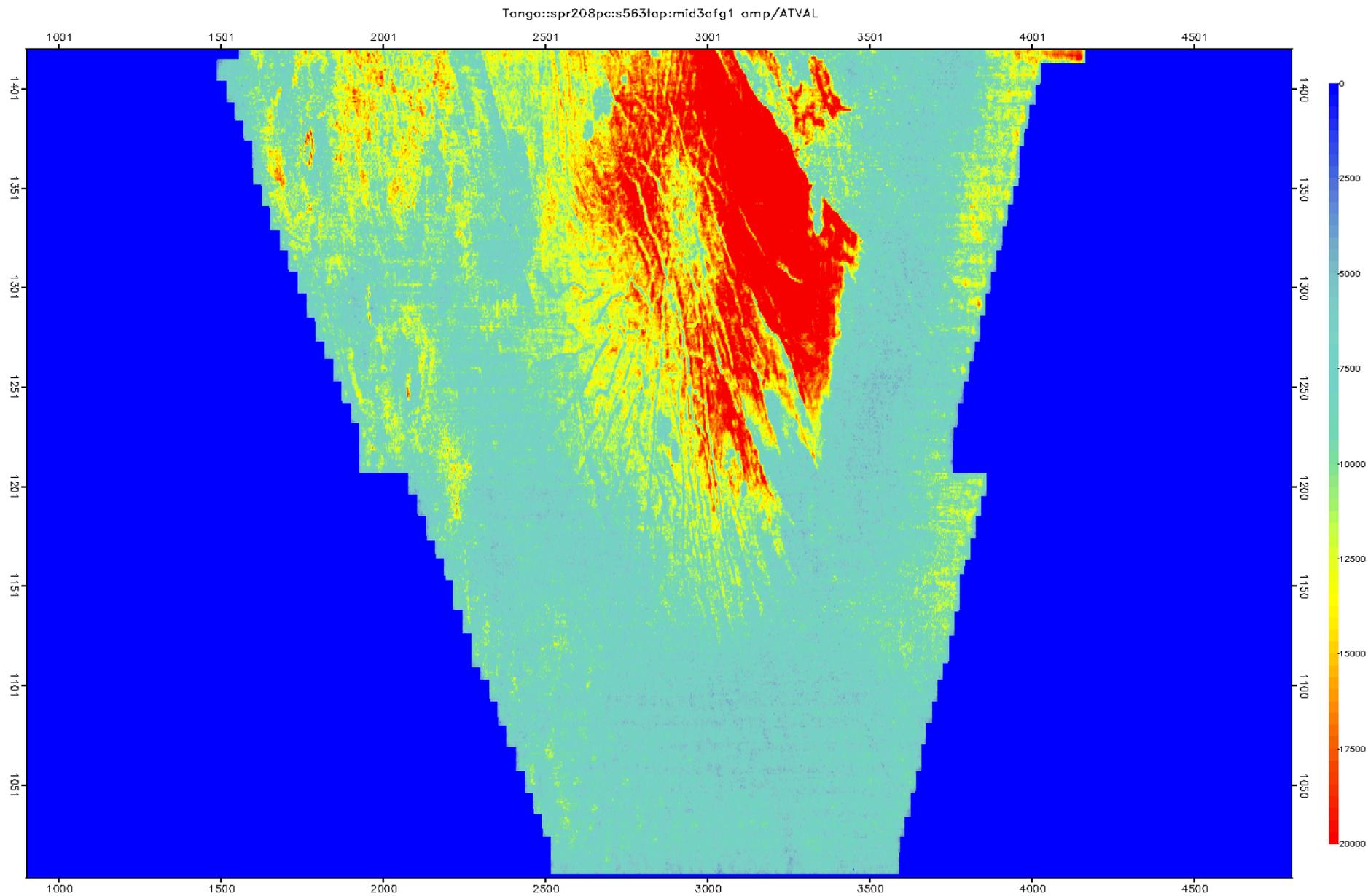
Tango::spr208pc:s563lap:near3afg1 amp/ATVAL



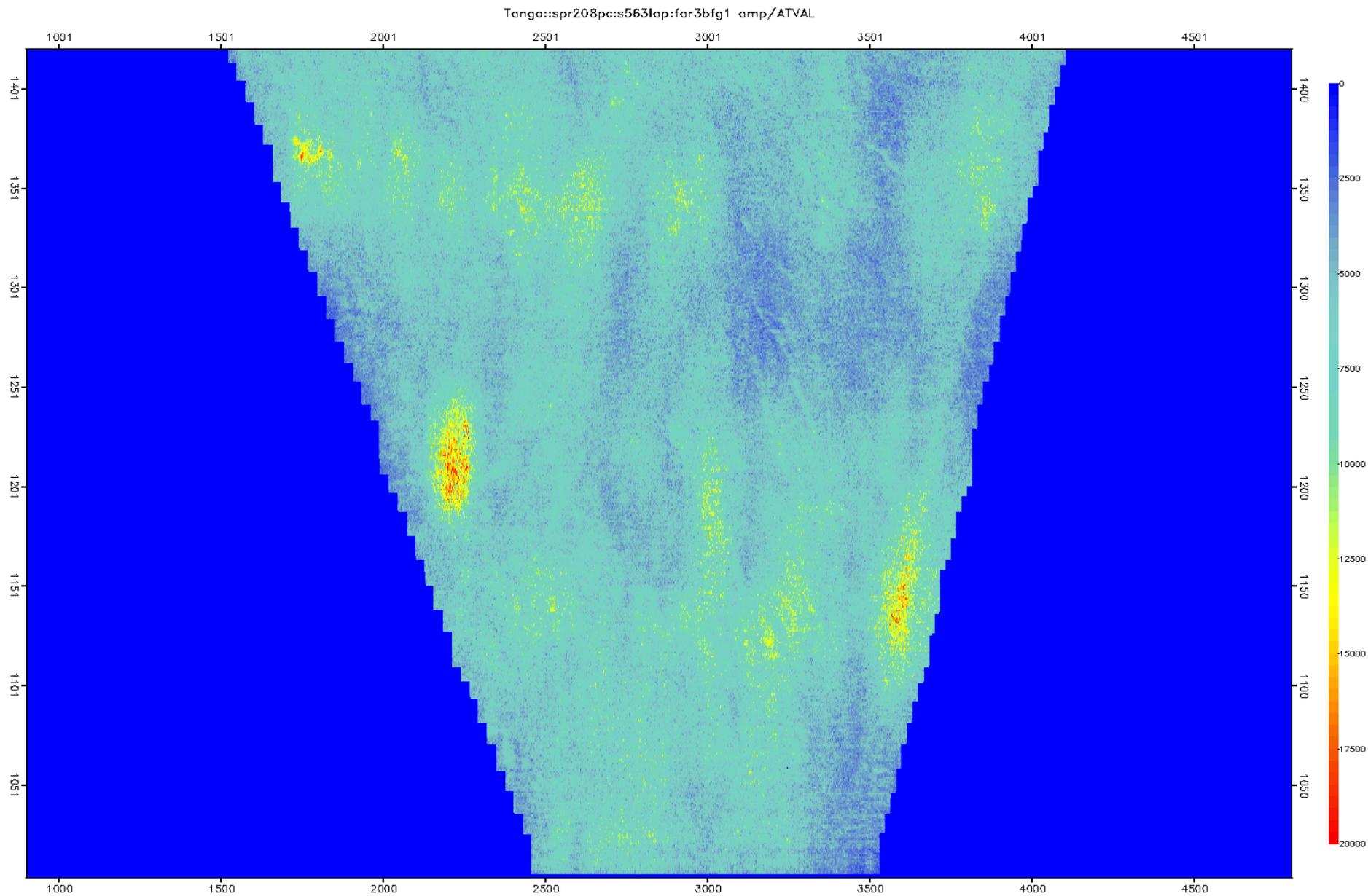
Middle offset, before footprint removal



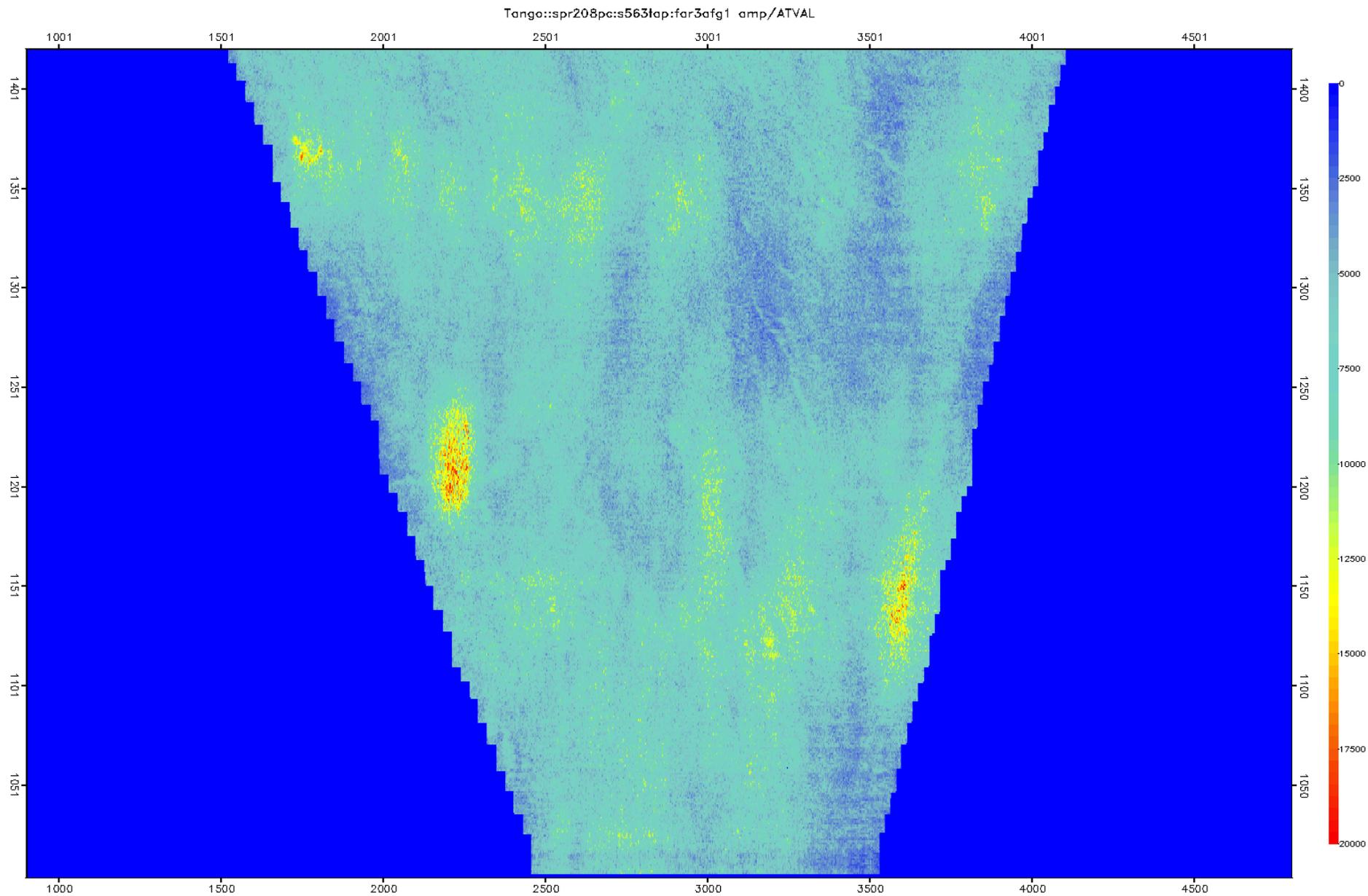
Middle offset, after footprint removal



Far offset, before footprint removal



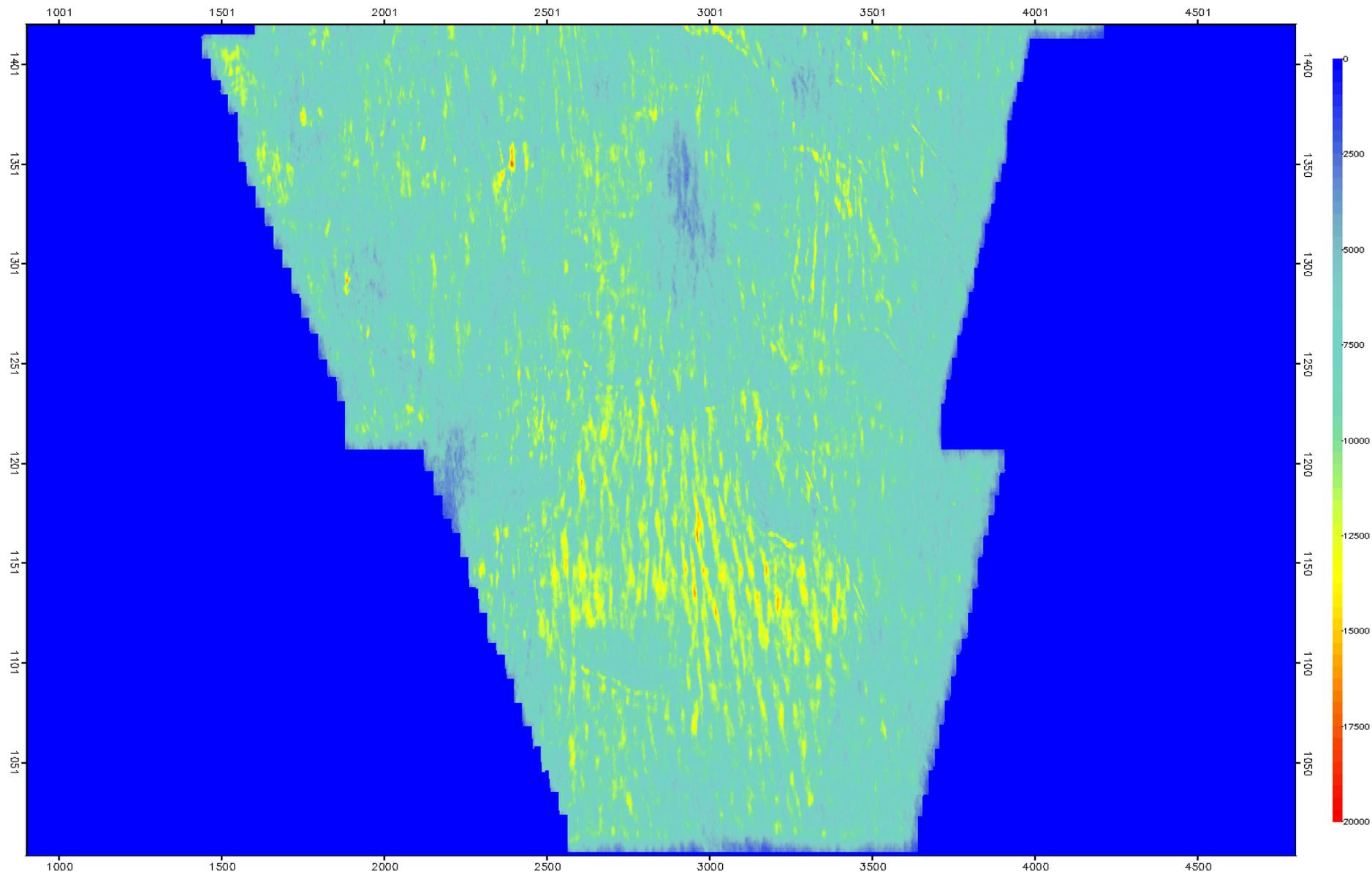
Far offset, after footprint removal



Window 2: 1000MS – 2000MS

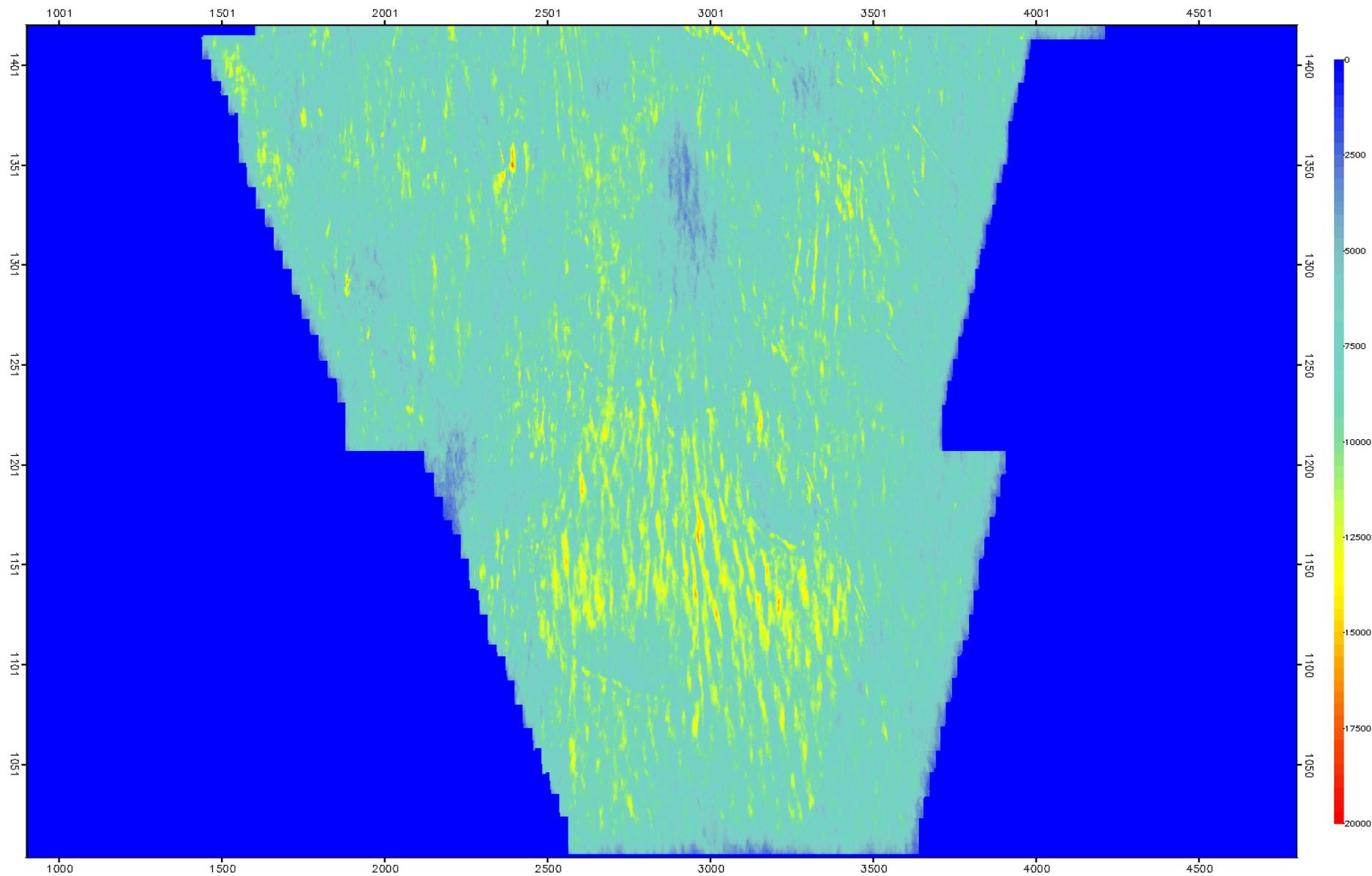
Near offset, before footprint removal

Tango::spr208pc:s563lap:near3bfg2 amp/ATVAL



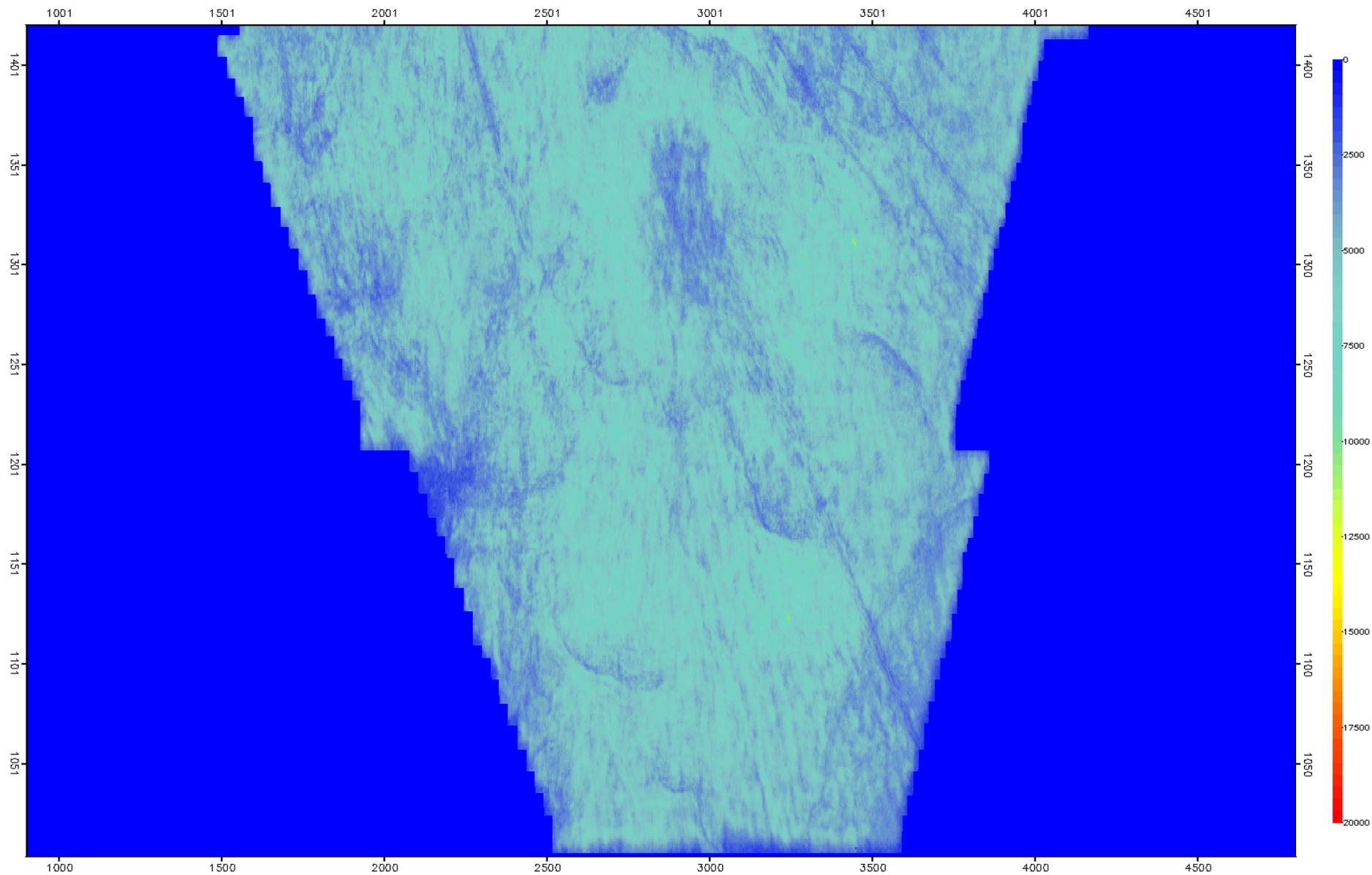
Near offset, after footprint removal

Tango::spr208pc:s563lap:near3afg2 amp/ATVAL



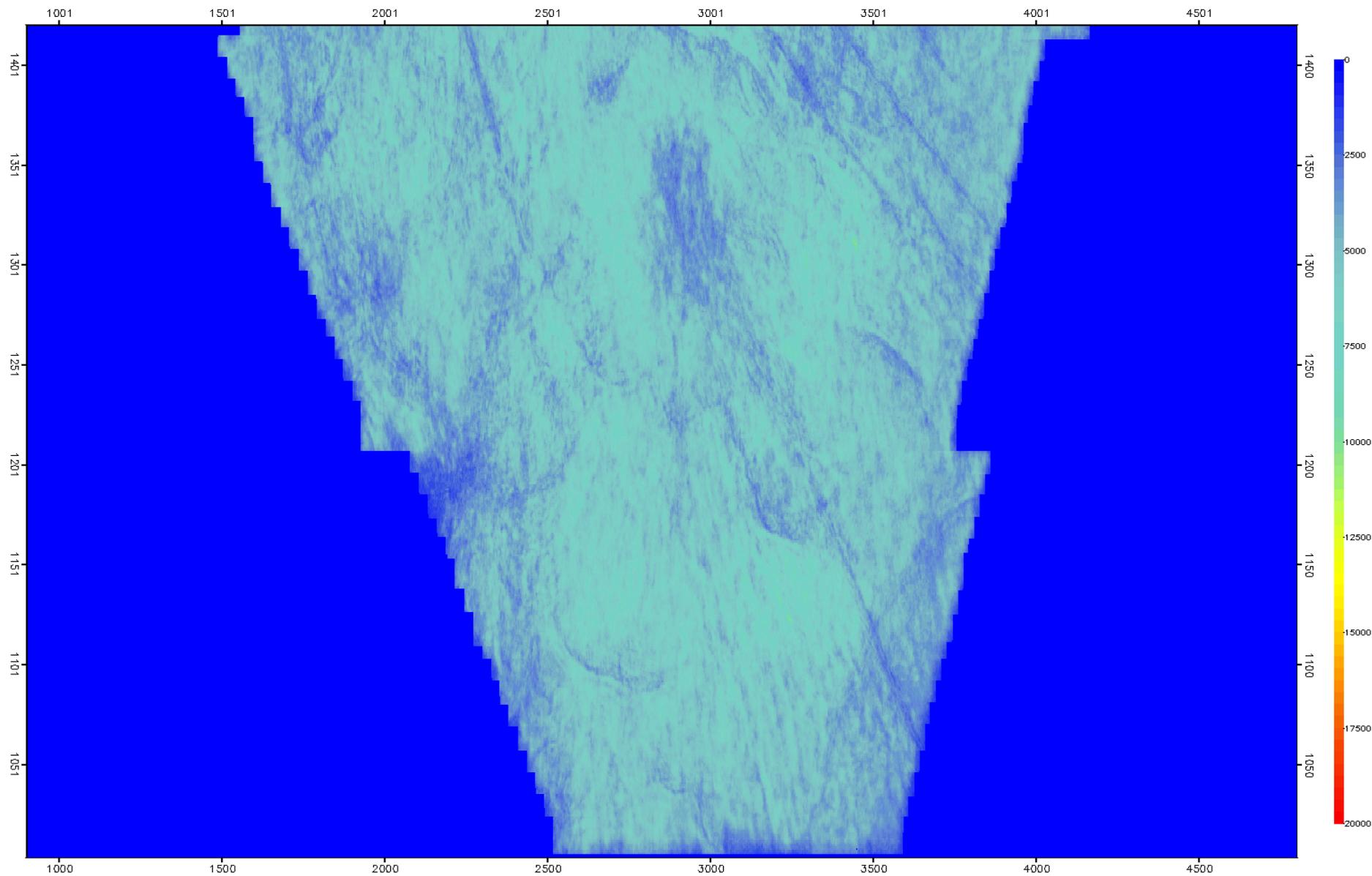
Middle offset, before footprint removal

Tango::spr208pc:s563tap:mid3bfg2 amp/ATVAL

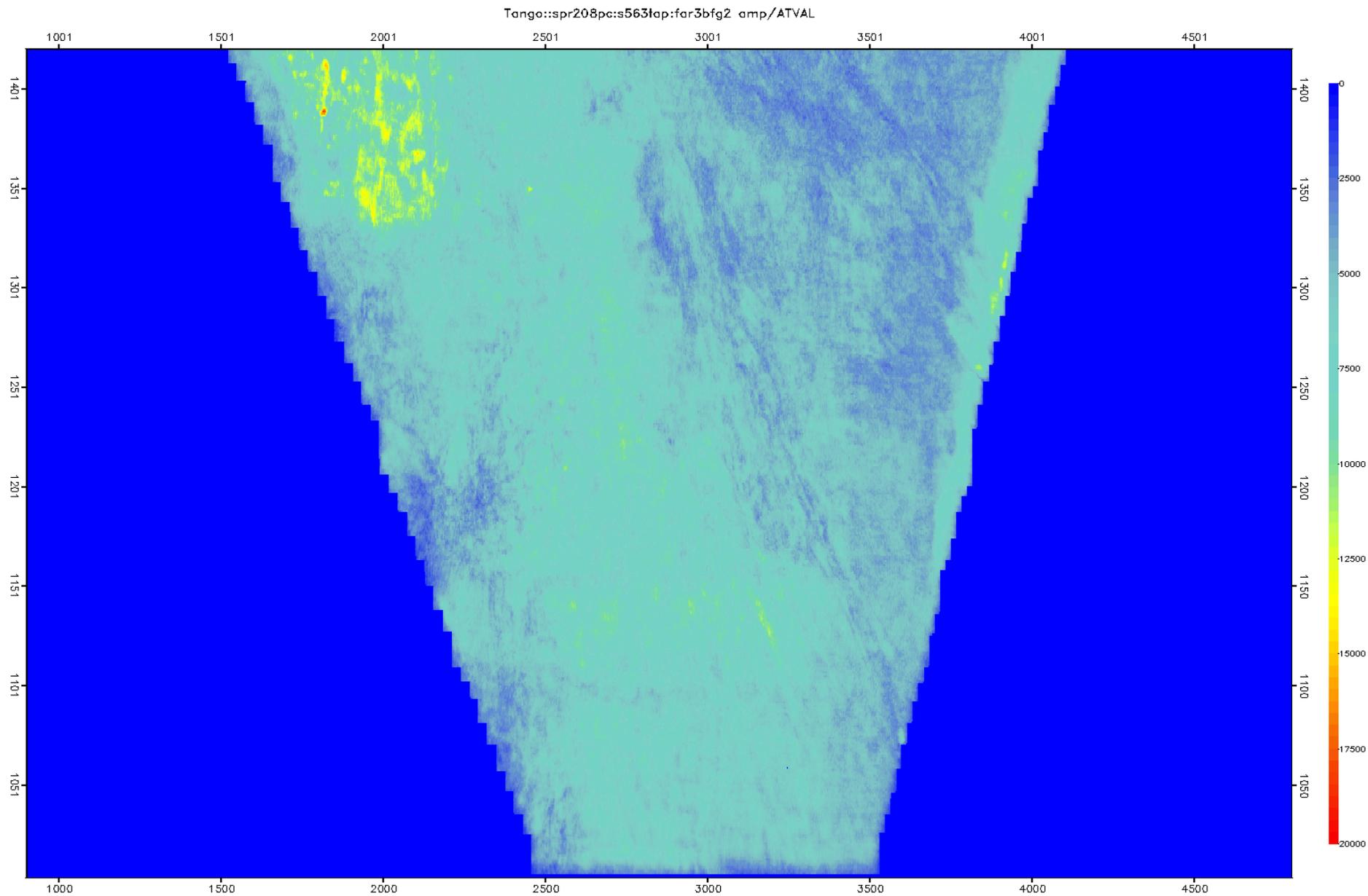


Middle offset, after footprint removal

Tango::spr208pc:s563tap:mid3afg2 amp/ATVAL



Far offset, before footprint removal



Far offset, after footprint removal

Tango::spr208pc:s563tap:far3afg2 amp/ATVAL

