Final Processing Presentation - Snapshots

18 May 2012

Terrex Seismic

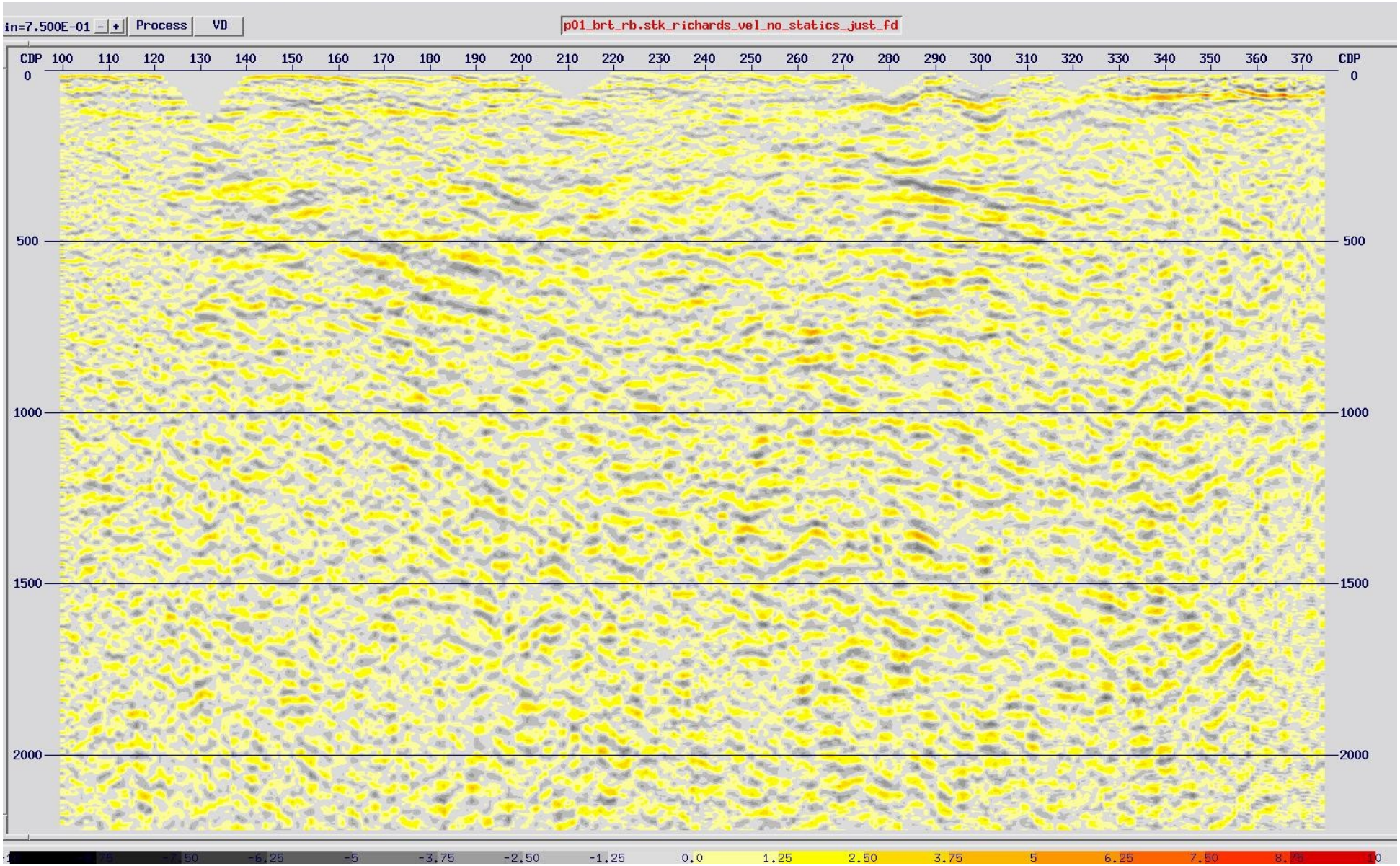
2D Land Seismic Processing and Interpretation -

Devonport, Tasmania

Introduction

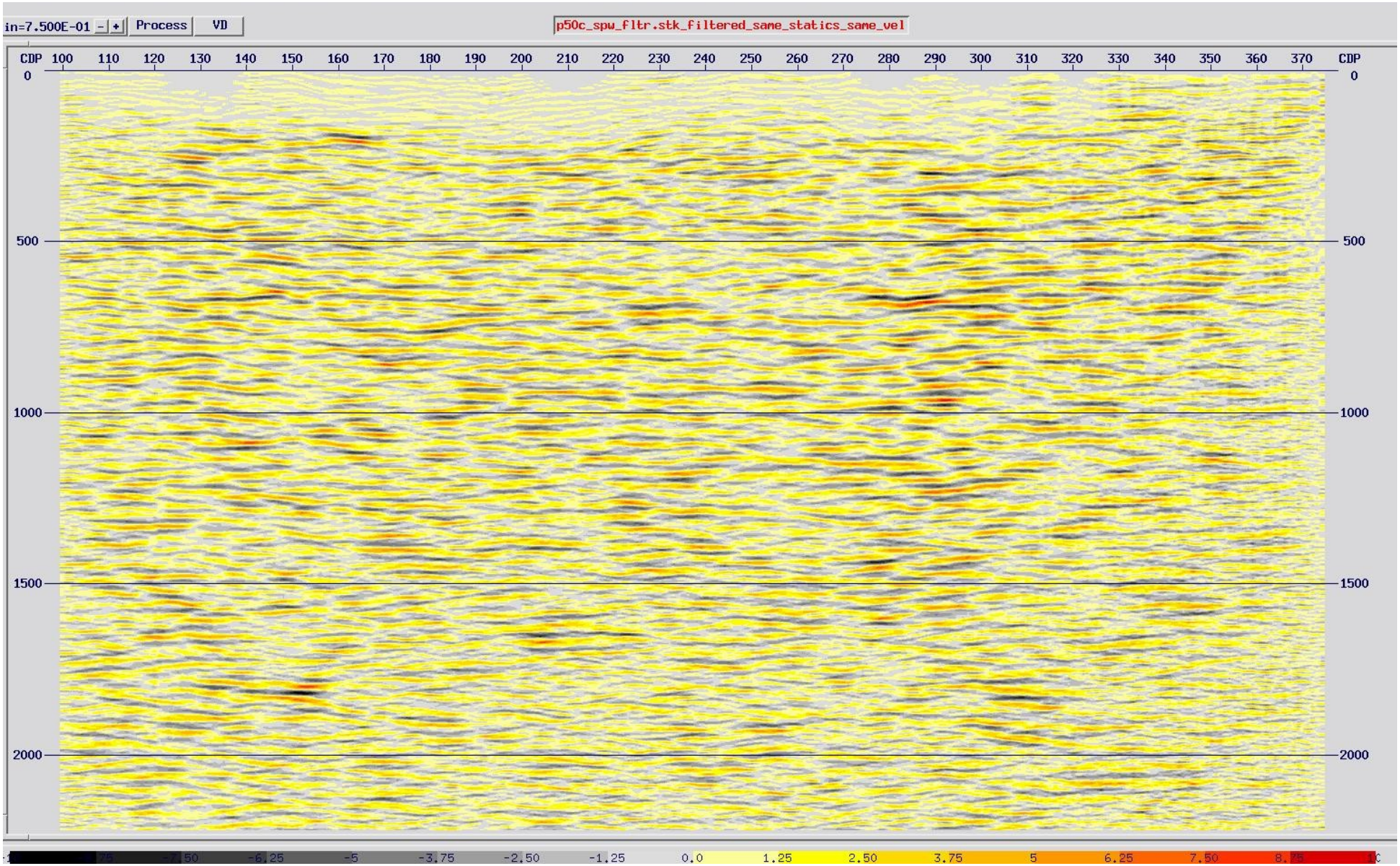
- This overview is to show the final processing of the eleven 2D lines for the devonPrIn_018 project. For each line, the initial stack, final processing stack and the final migrated stack are shown in the following slides.
- Overview of the final processing flow;
  - Refraction statics.
  - Ground roll attenuation.
  - Despike.
  - Linear noise removal in multiple domains.
  - Residual statics and velocity picking were iterative as more noise was removed from the data. The complexity of this process is hard to show in an outline of the work.
  - Surface consistent deconvolution.
  - Spectral balance.
  - Final filter before migration.
  - Post-stack migration.

Line 1 initial stack



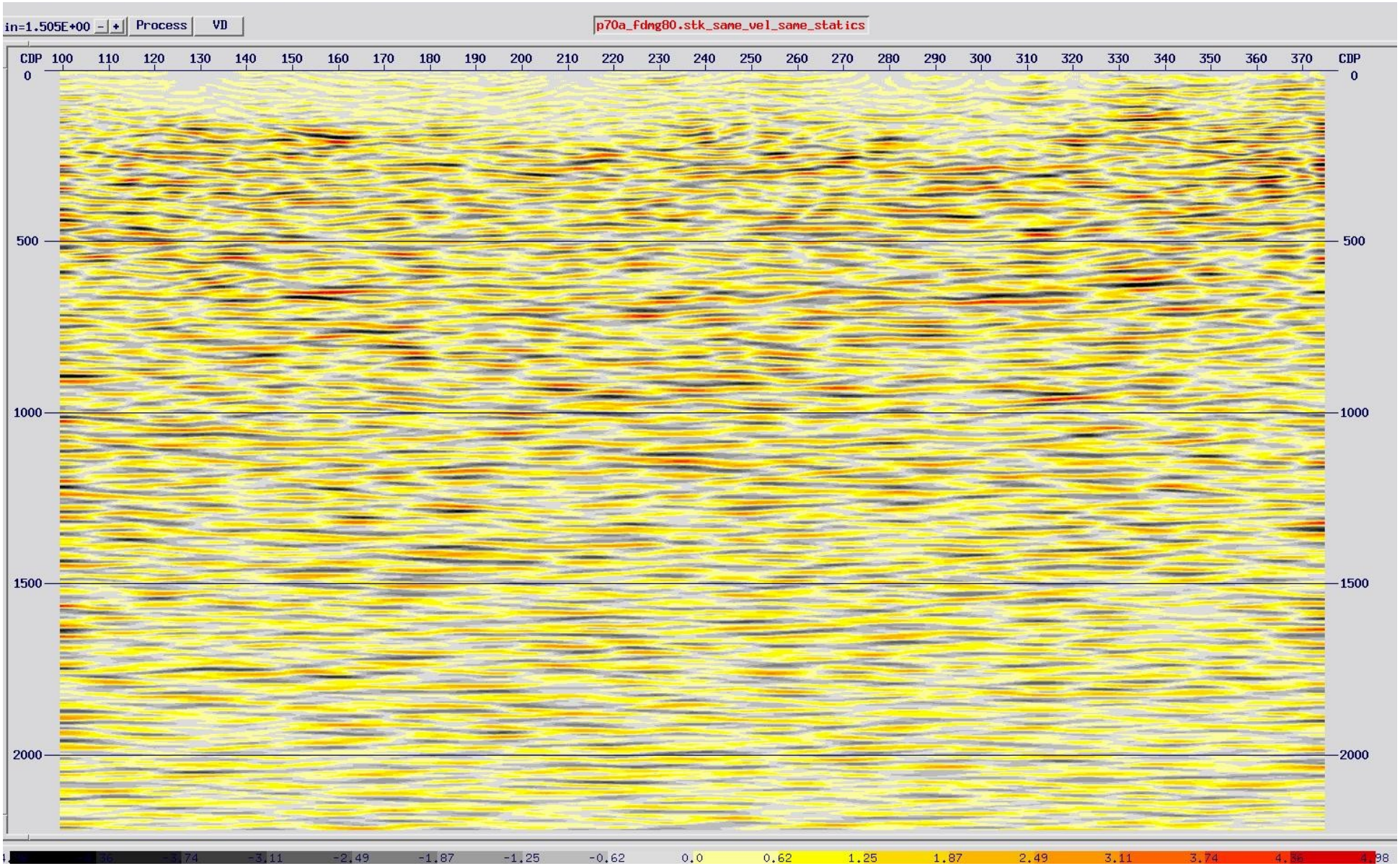
TWT (ms)

Line 1 final stack



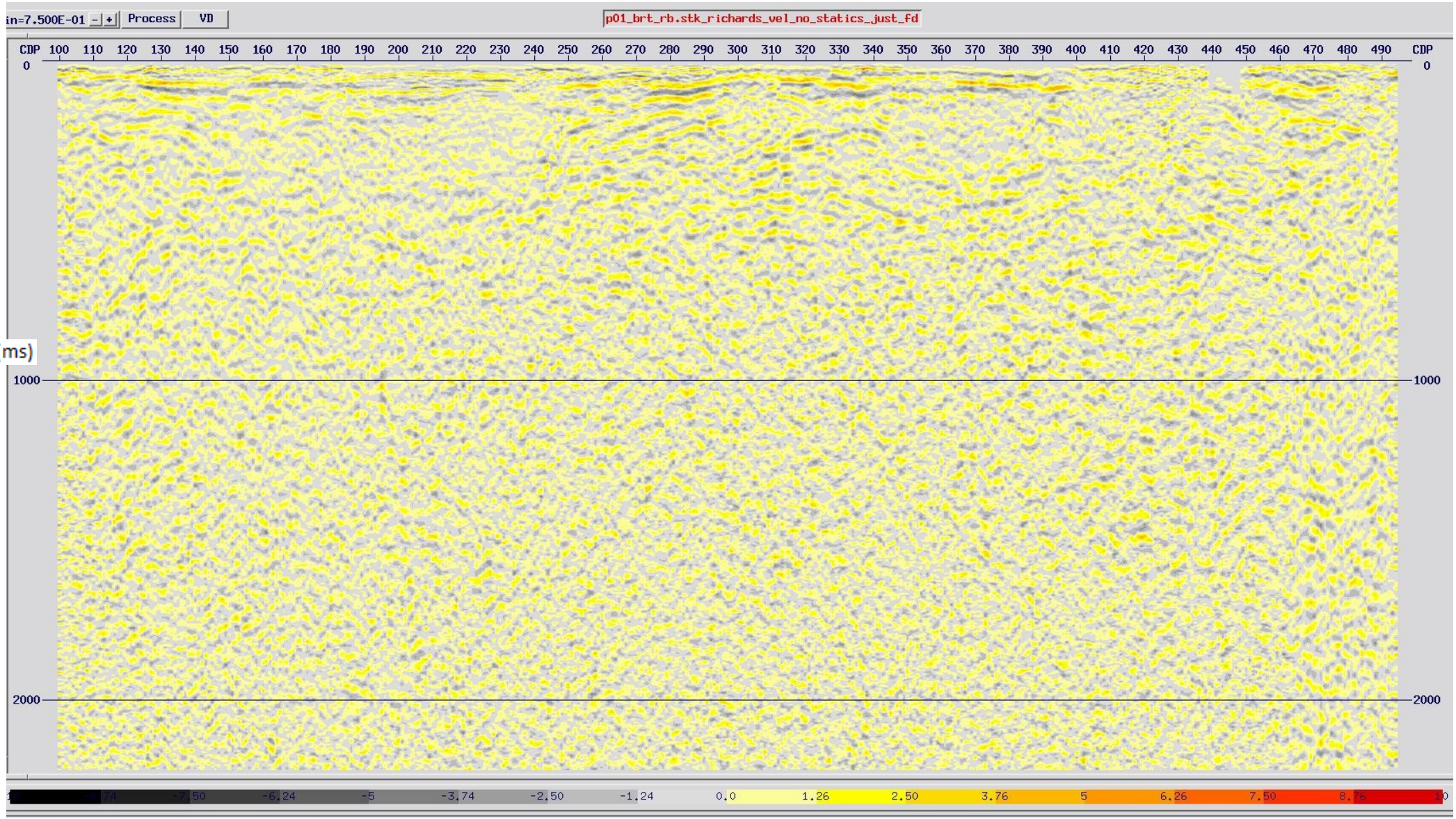
TWT (ms)

Line 1 finite difference migration

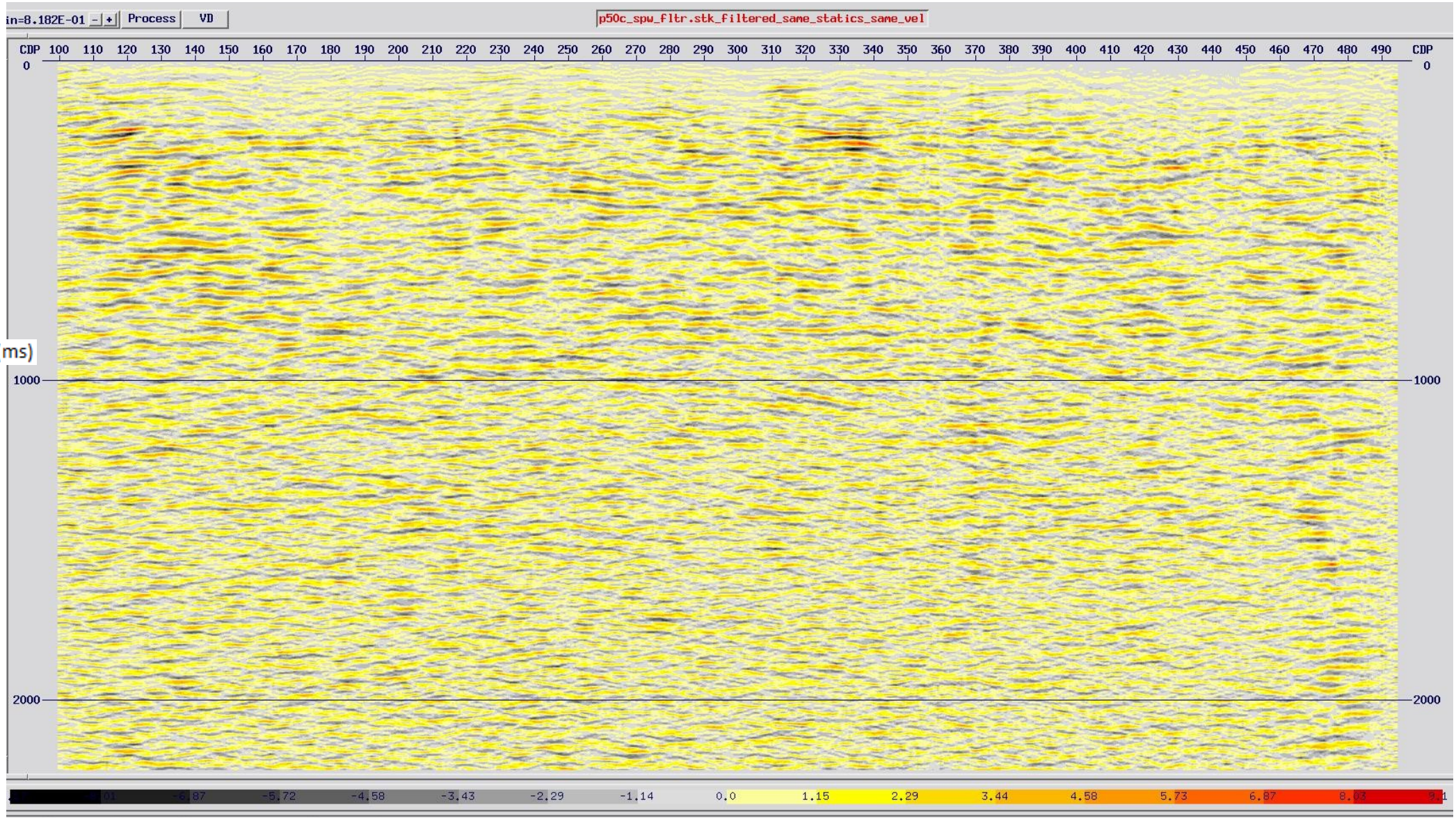


TWT (ms)

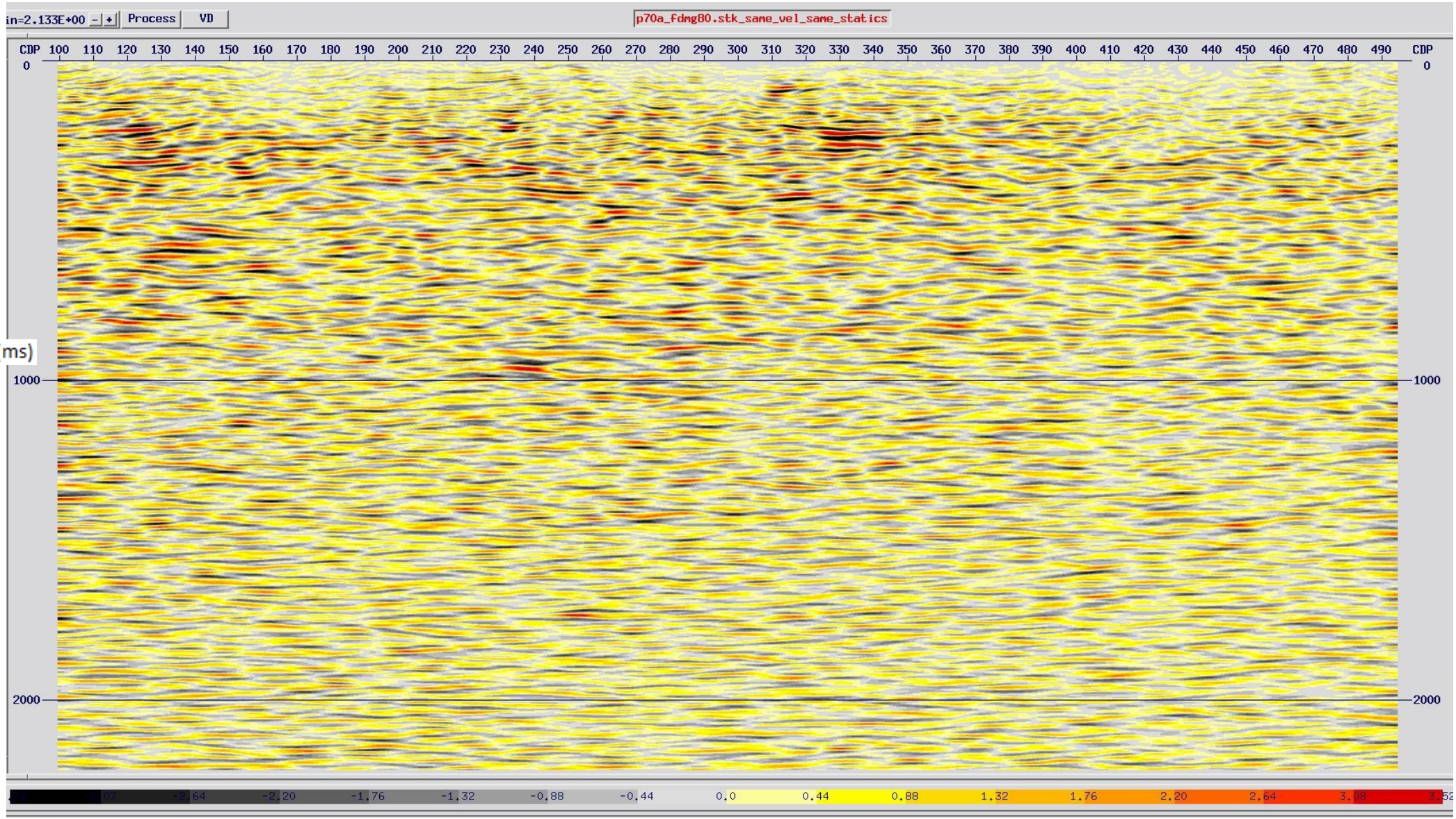
Line 2 initial stack



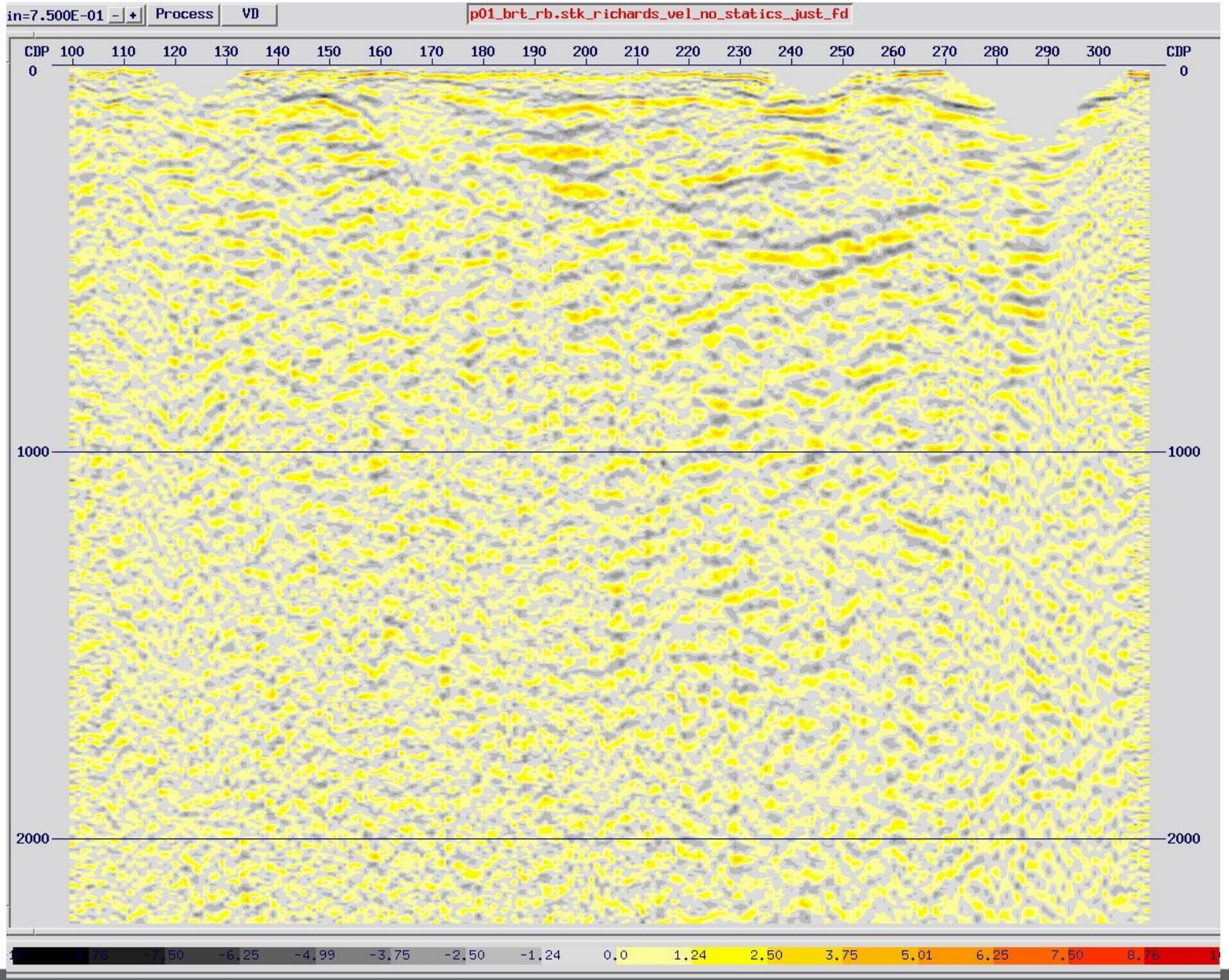
Line 2 final stack



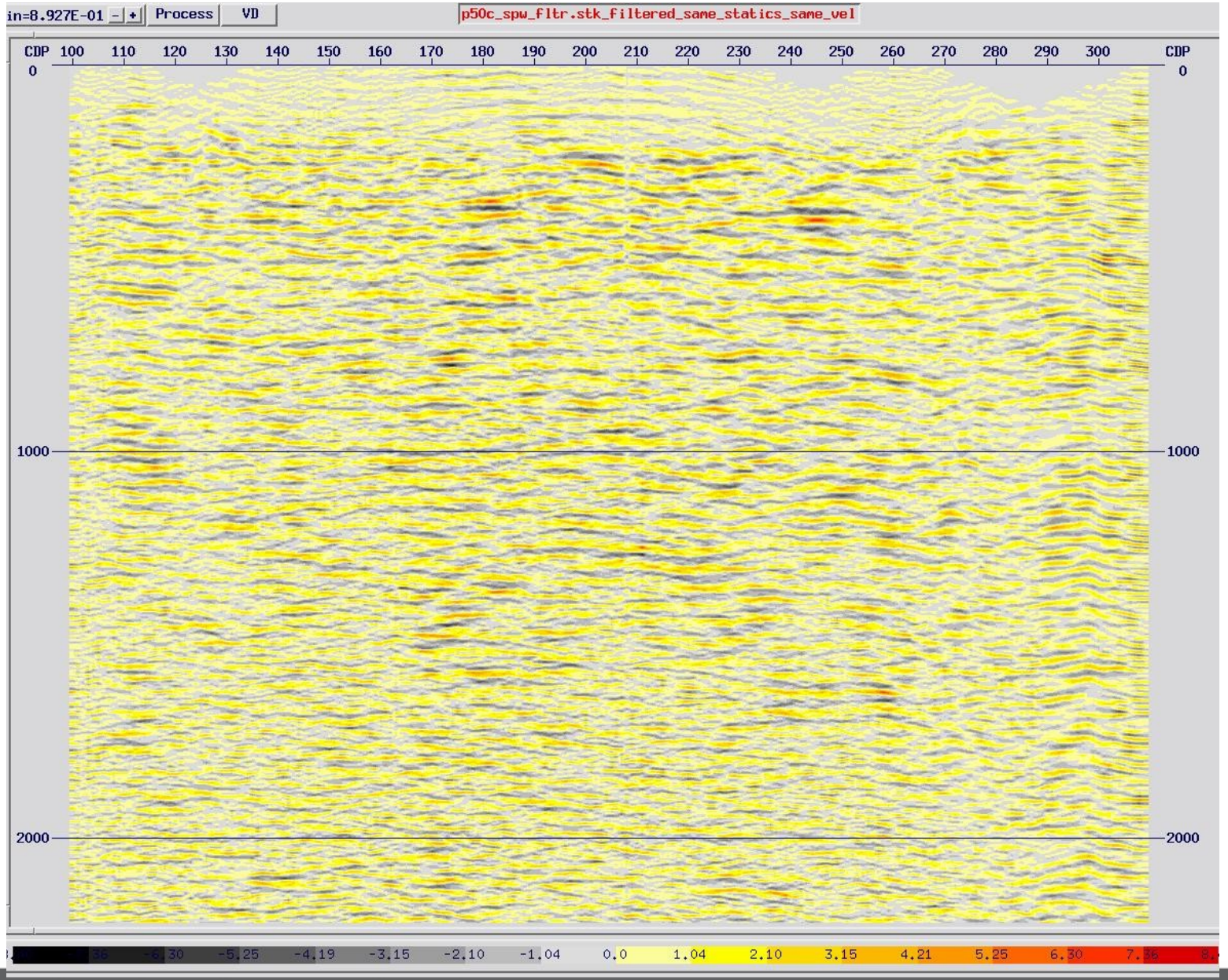
Line 2 finite difference migration



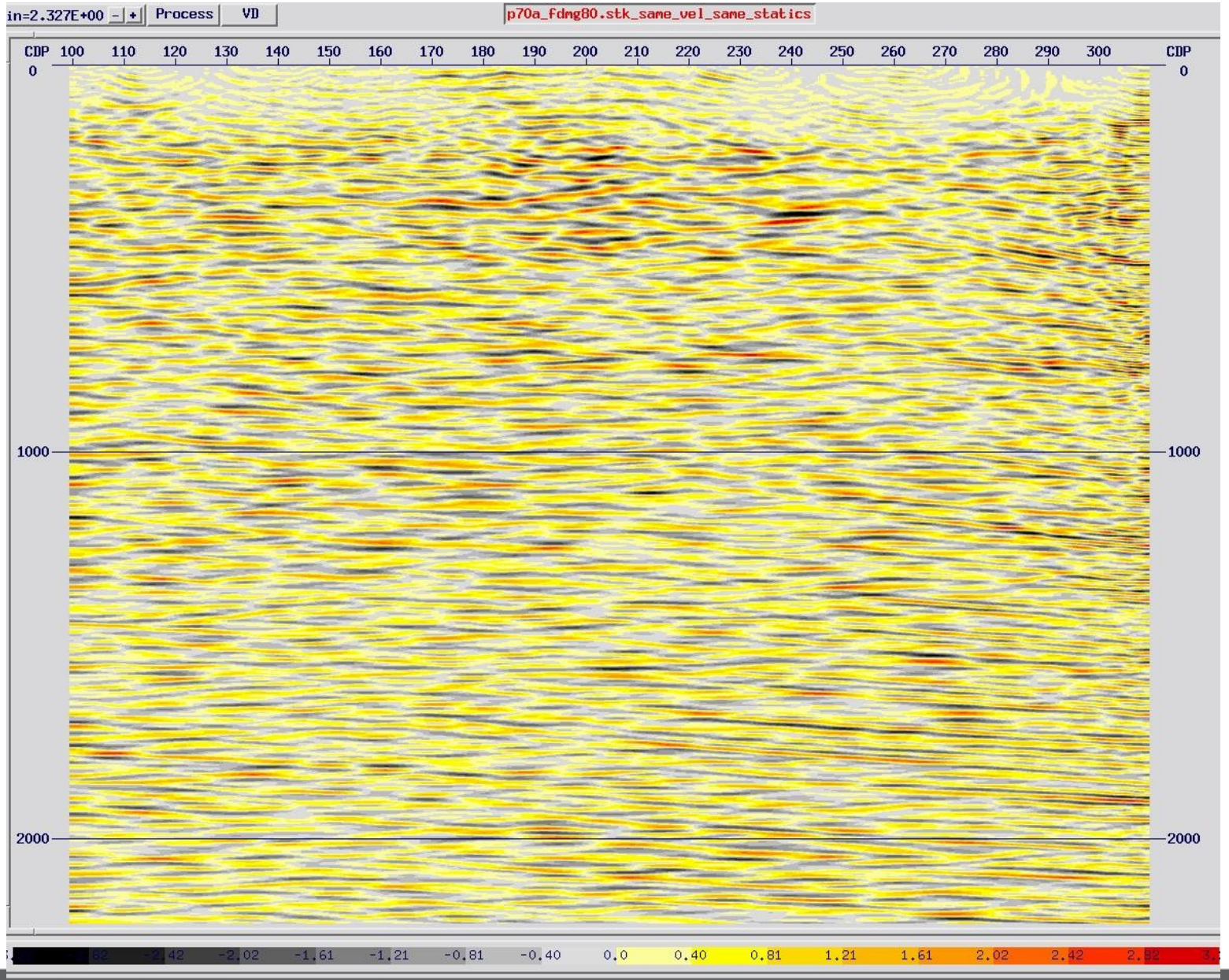
Line 3 initial stack



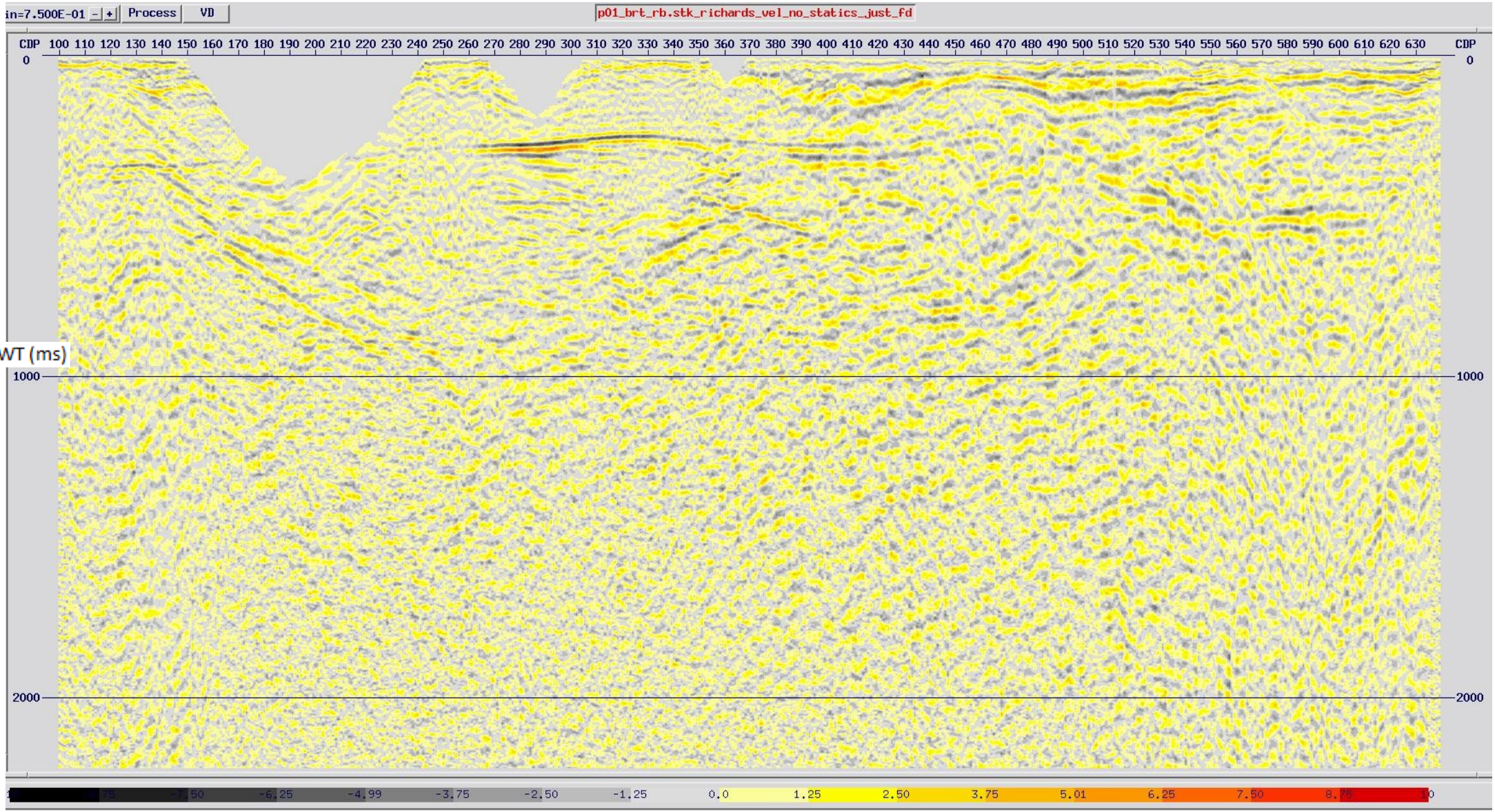
Line 3 final stack



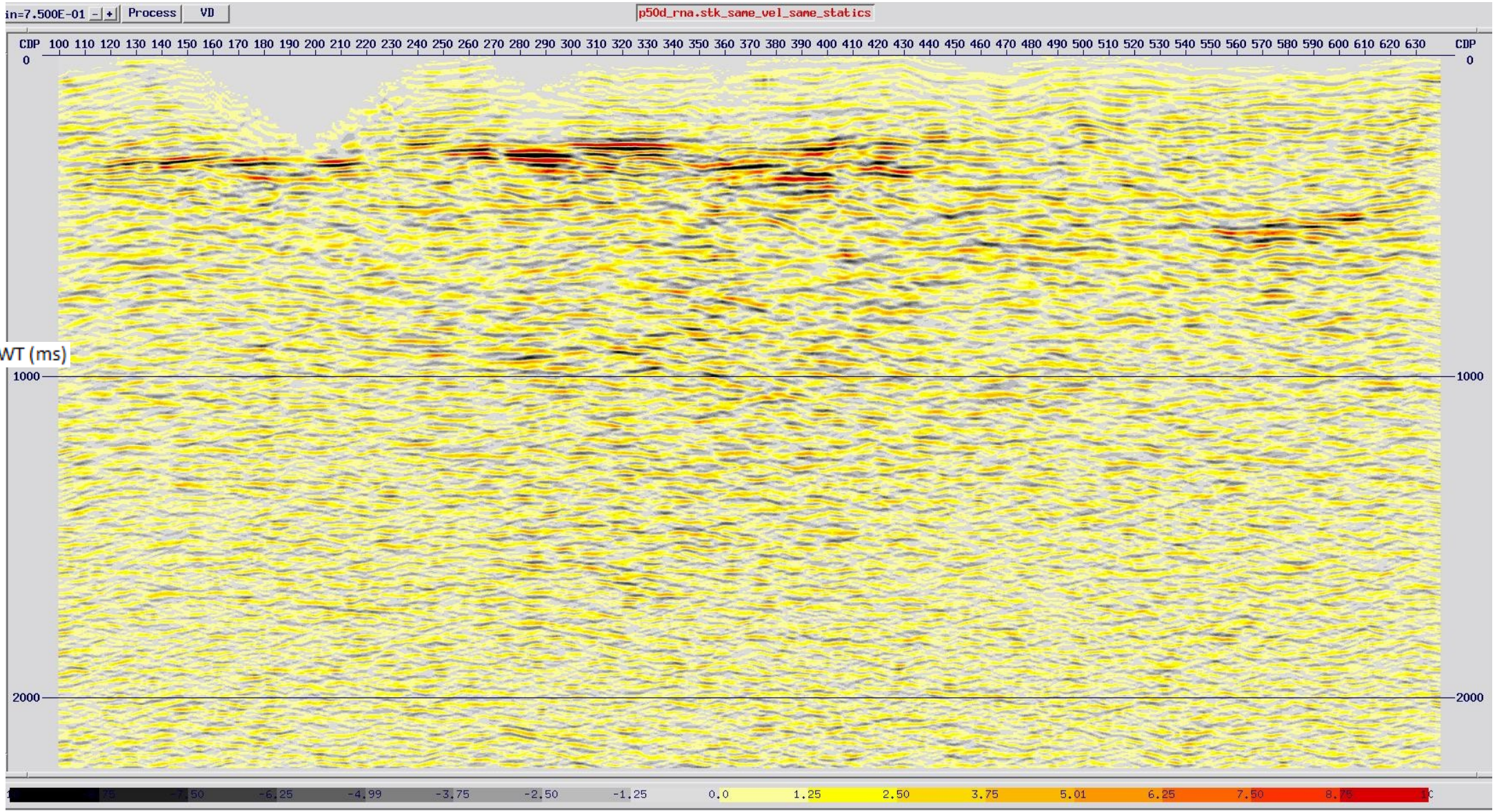
Line 3 finite difference migration



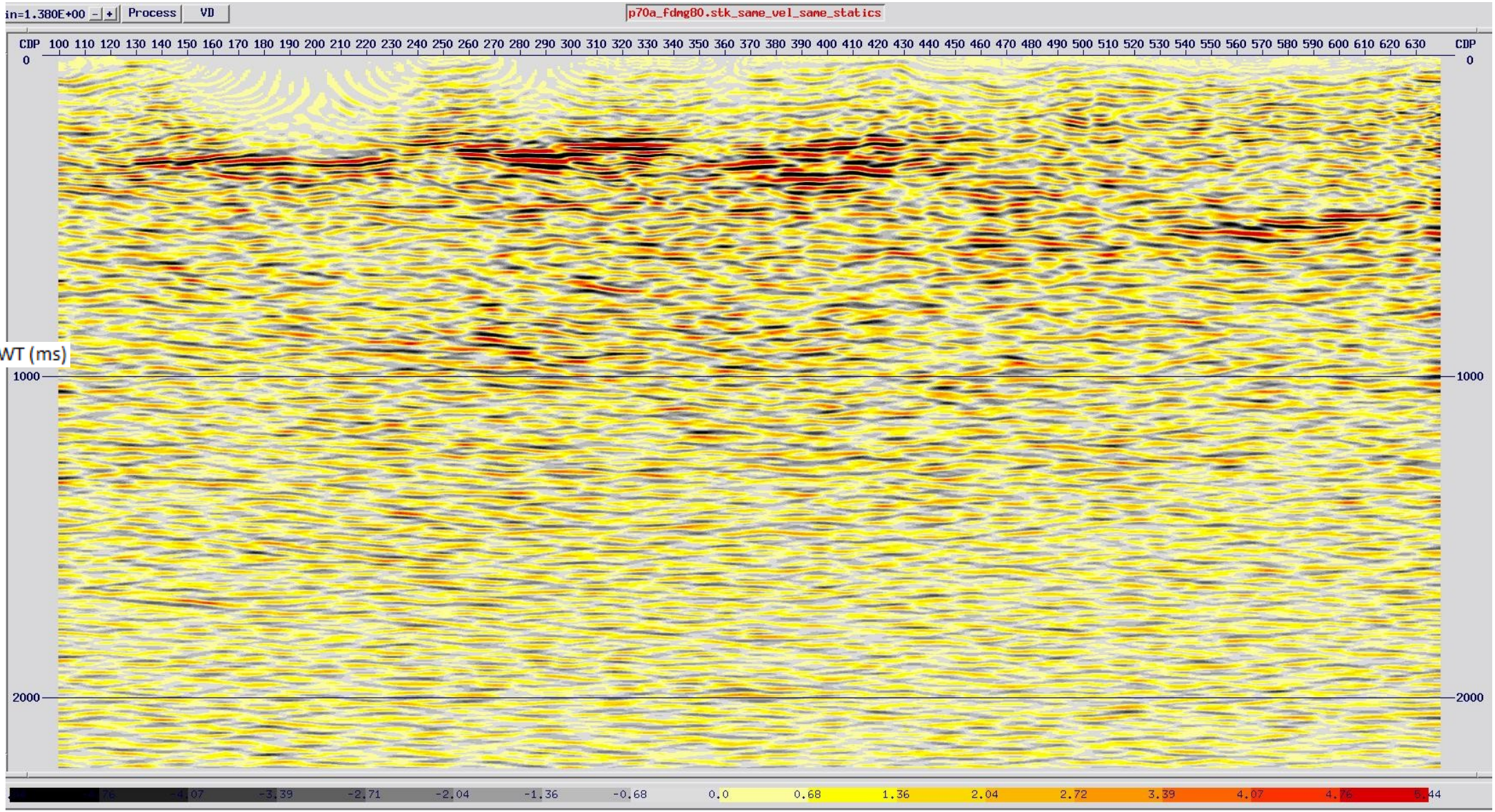
Line 4 initial stack



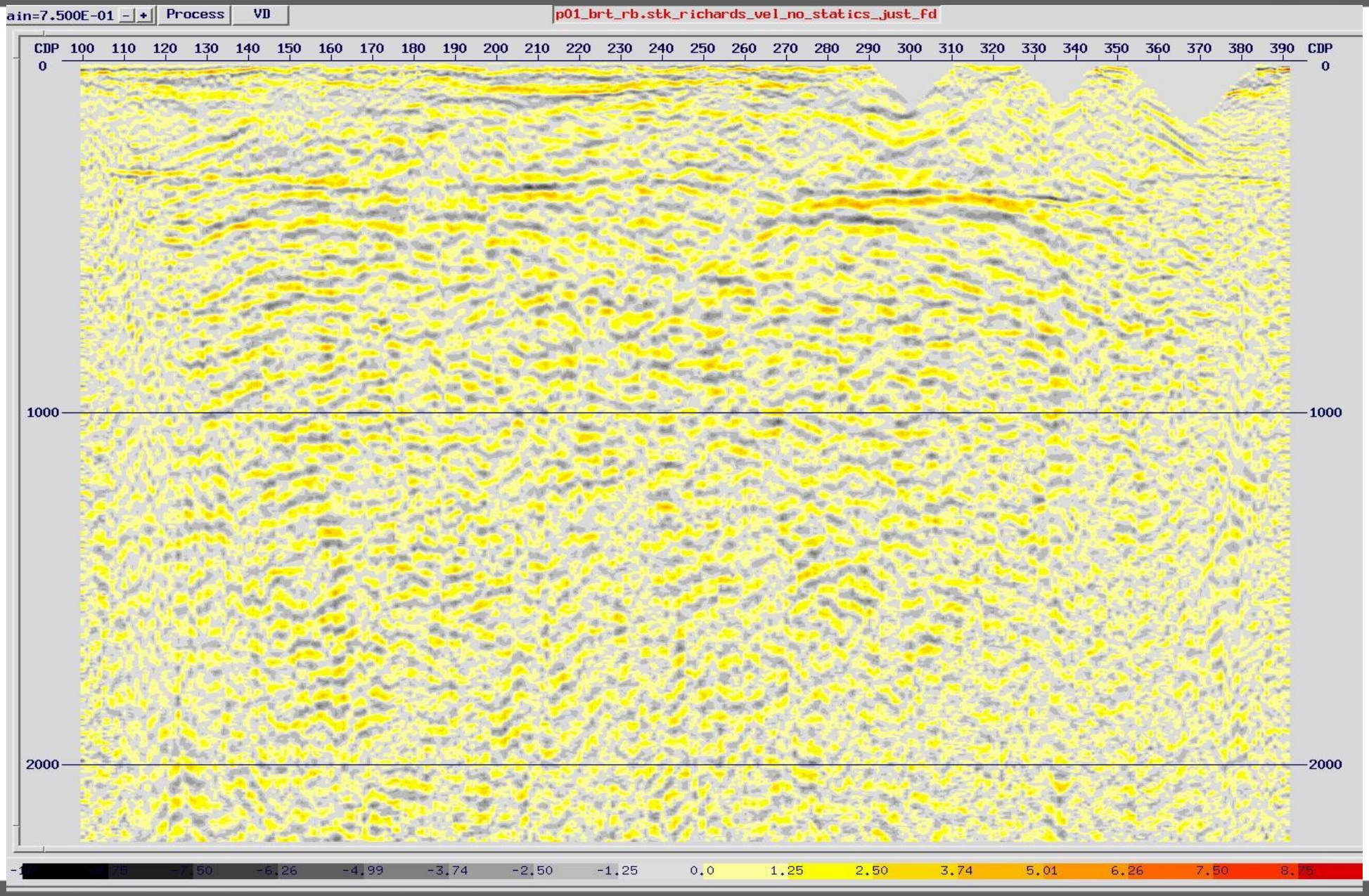
Line 4 final stack



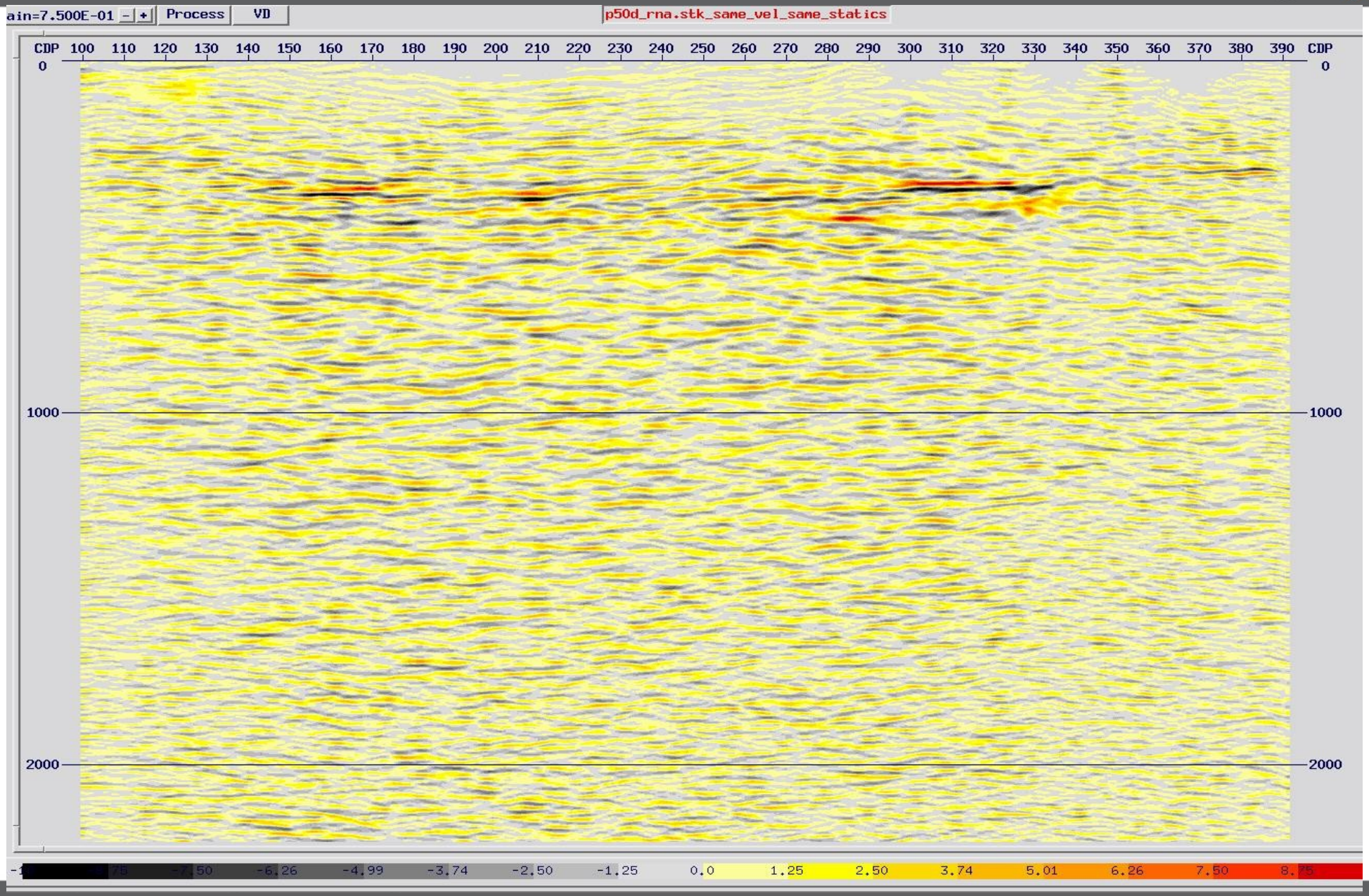
Line 4 finite difference migration



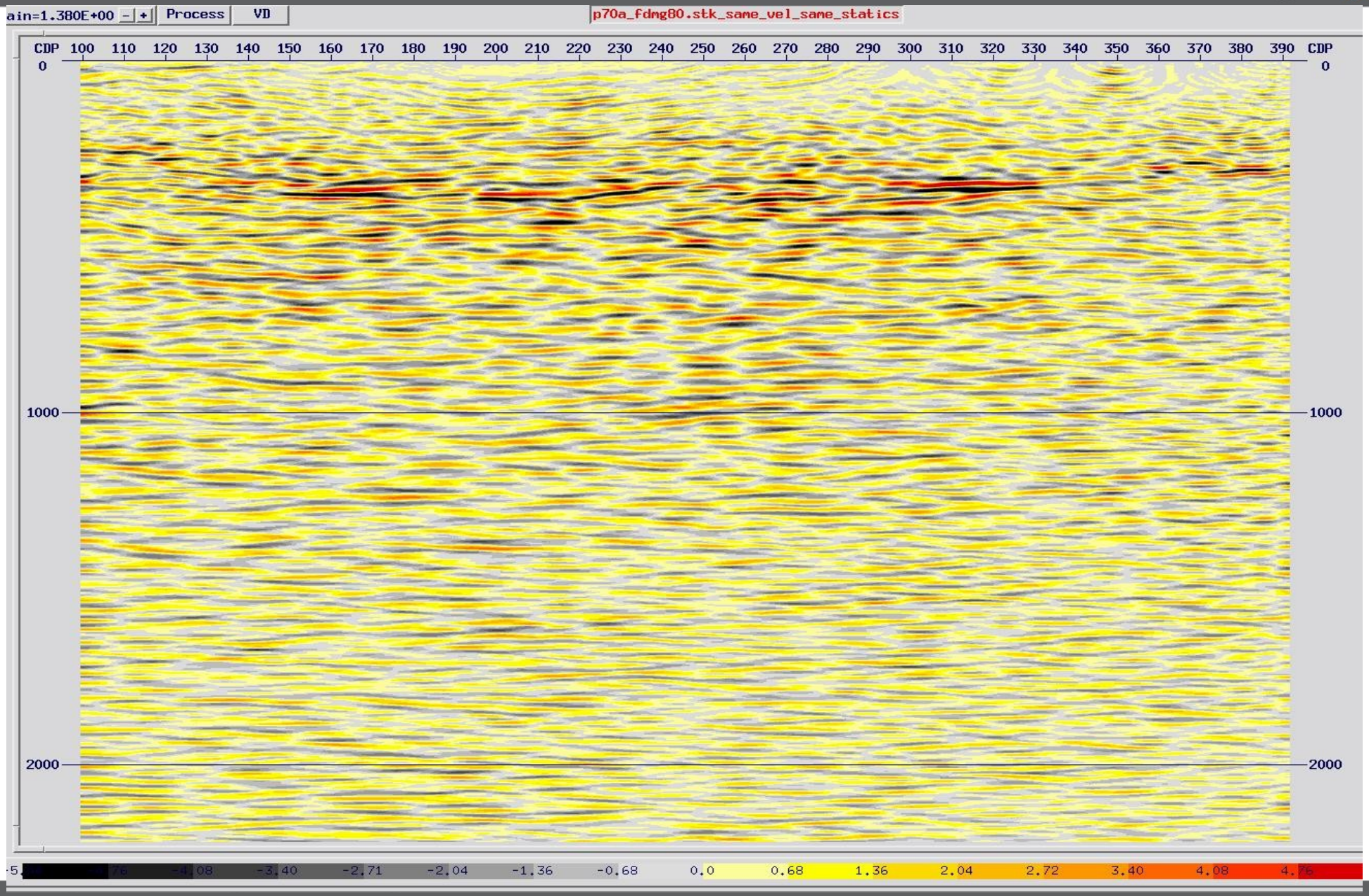
Line 5 initial stack



Line 5 final stack

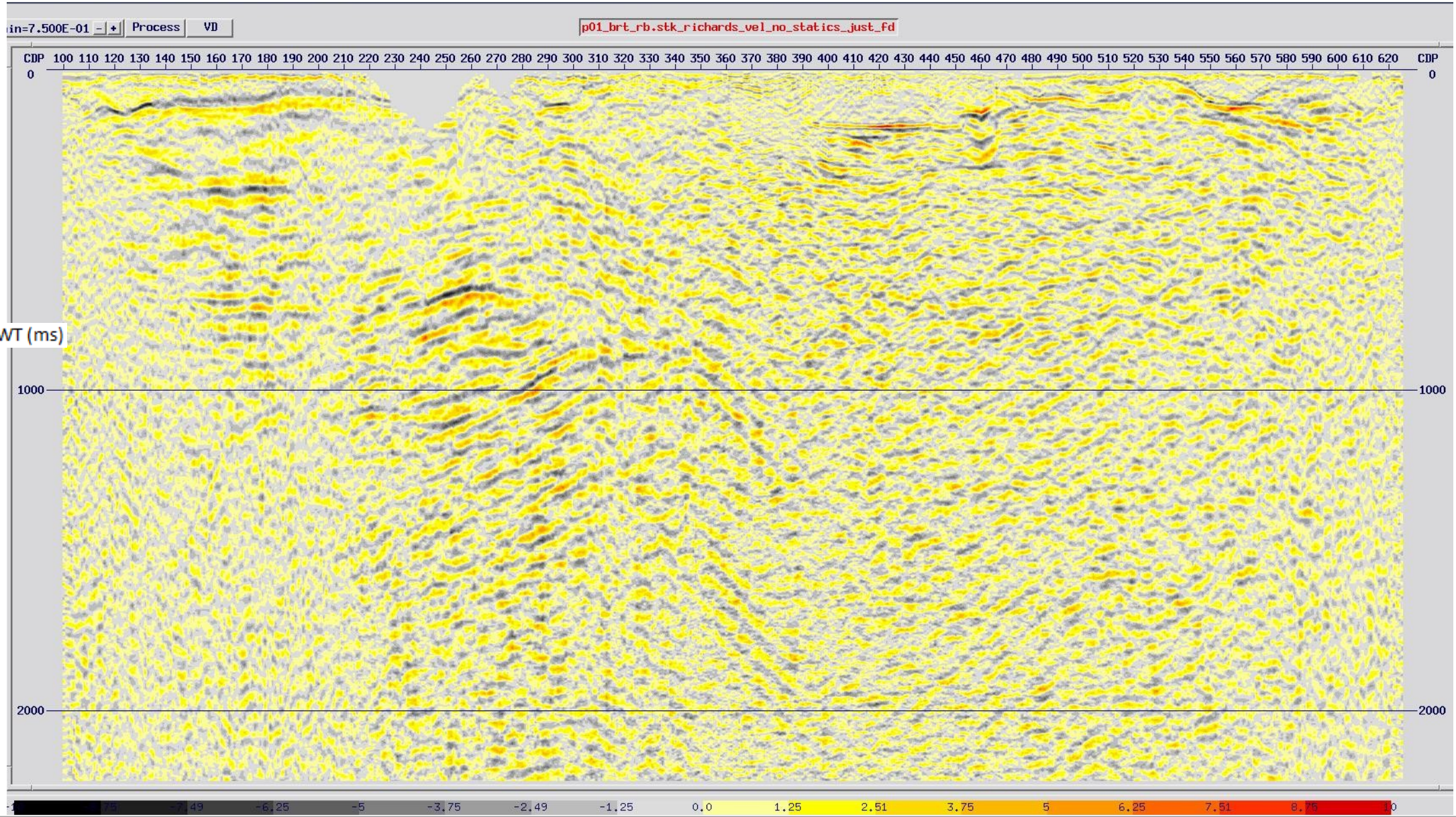


Line 5 finite difference migration

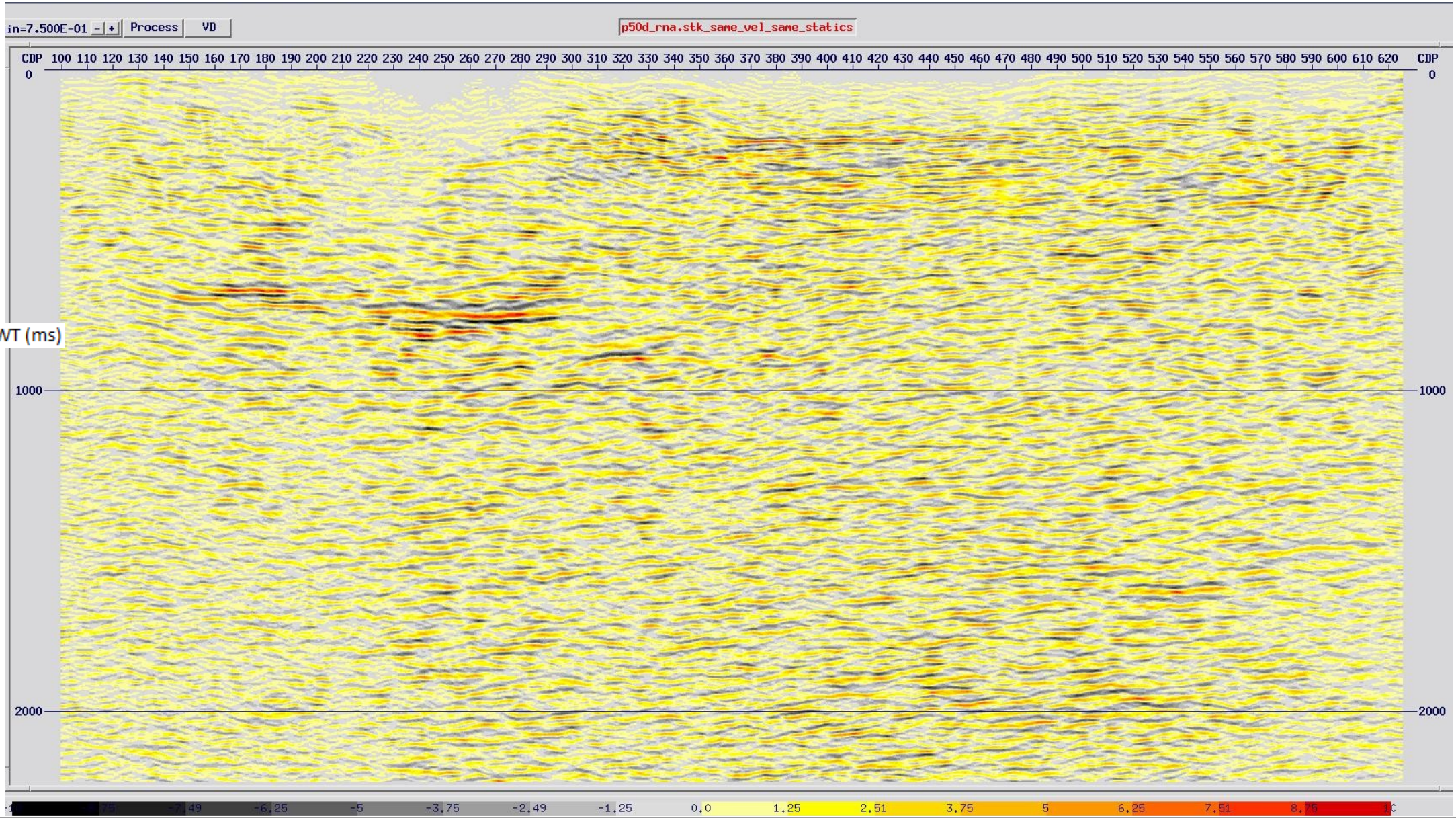


TWT (ms)

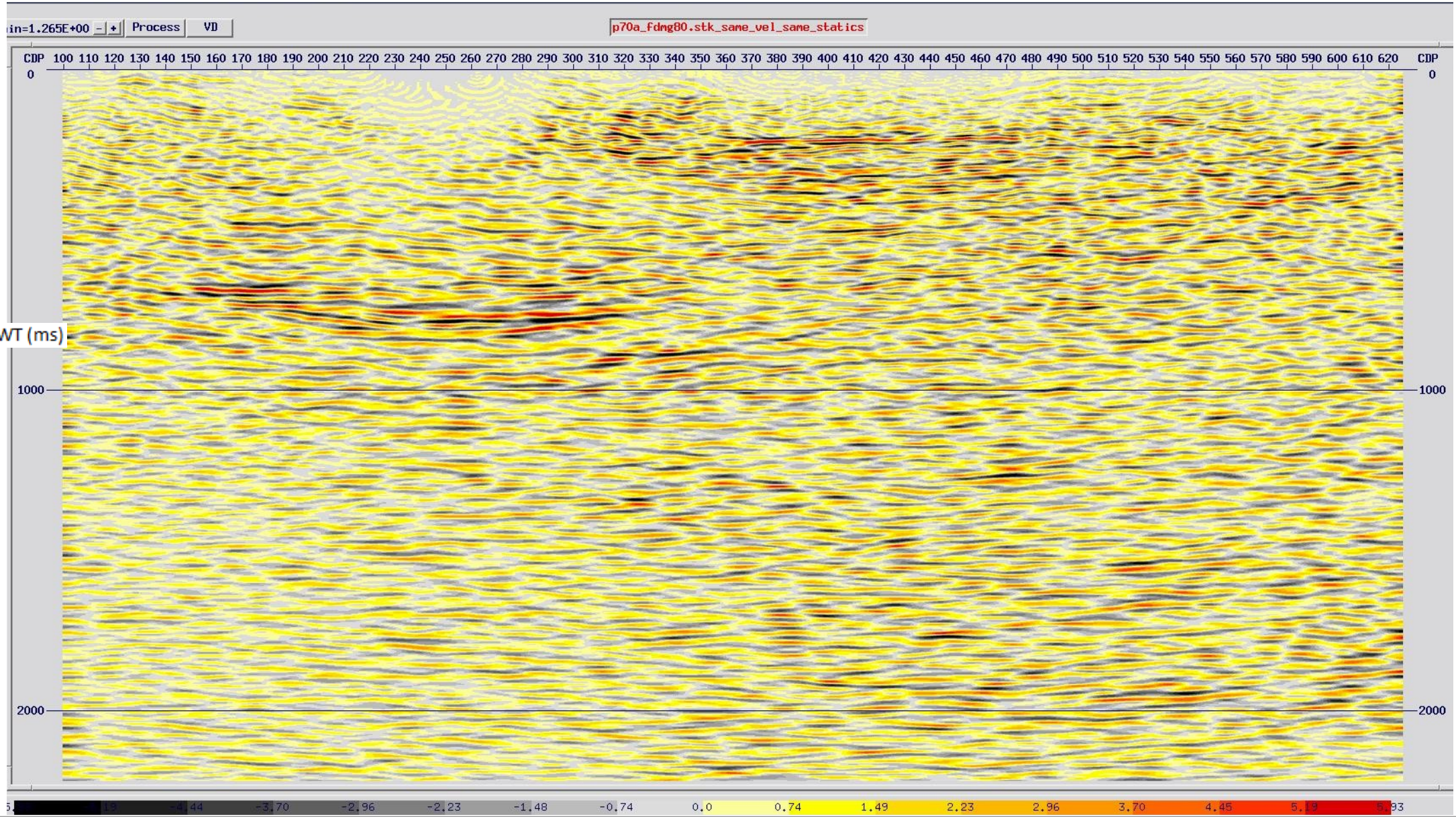
Line 6 initial stack



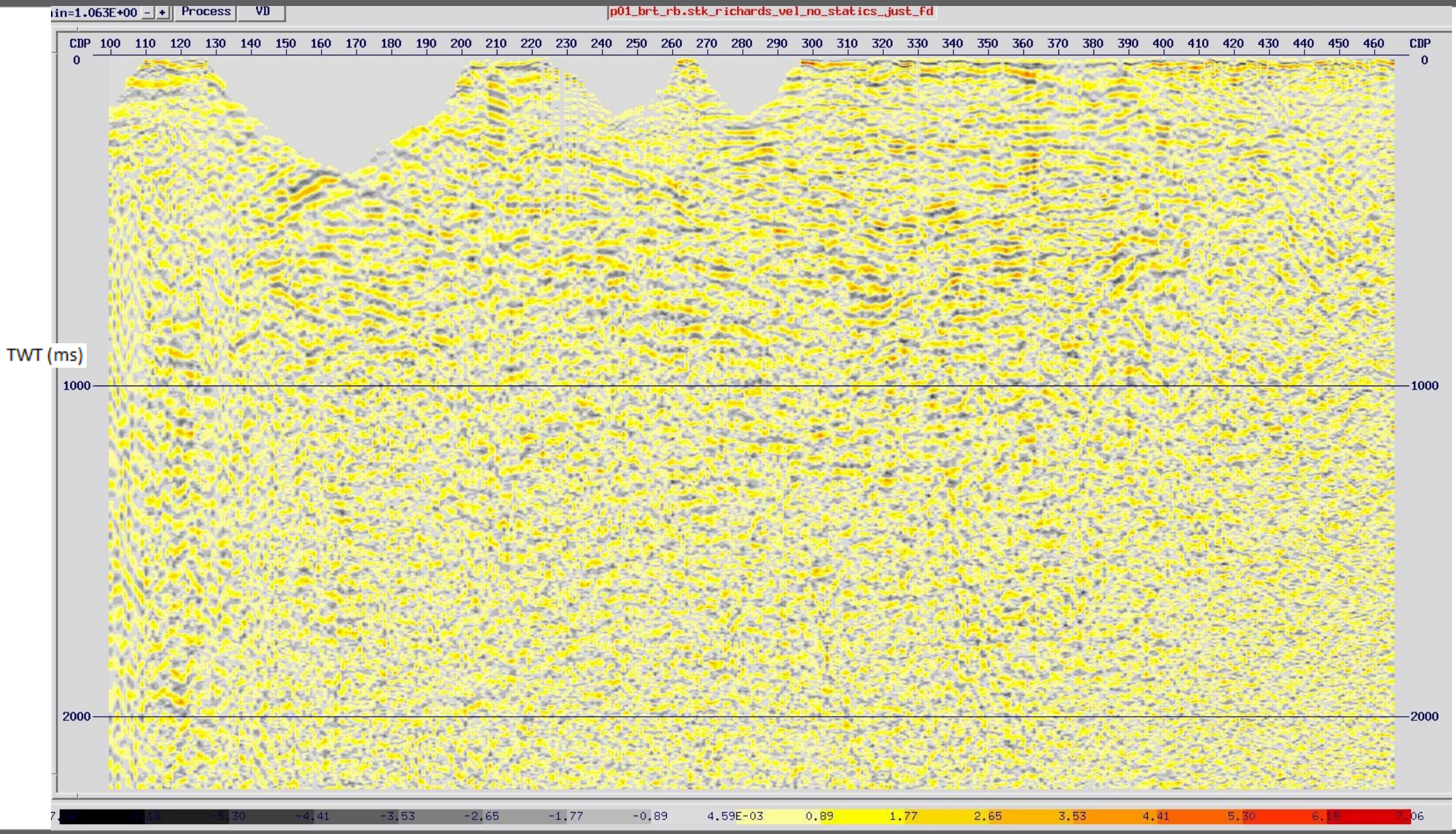
Line 6 final stack



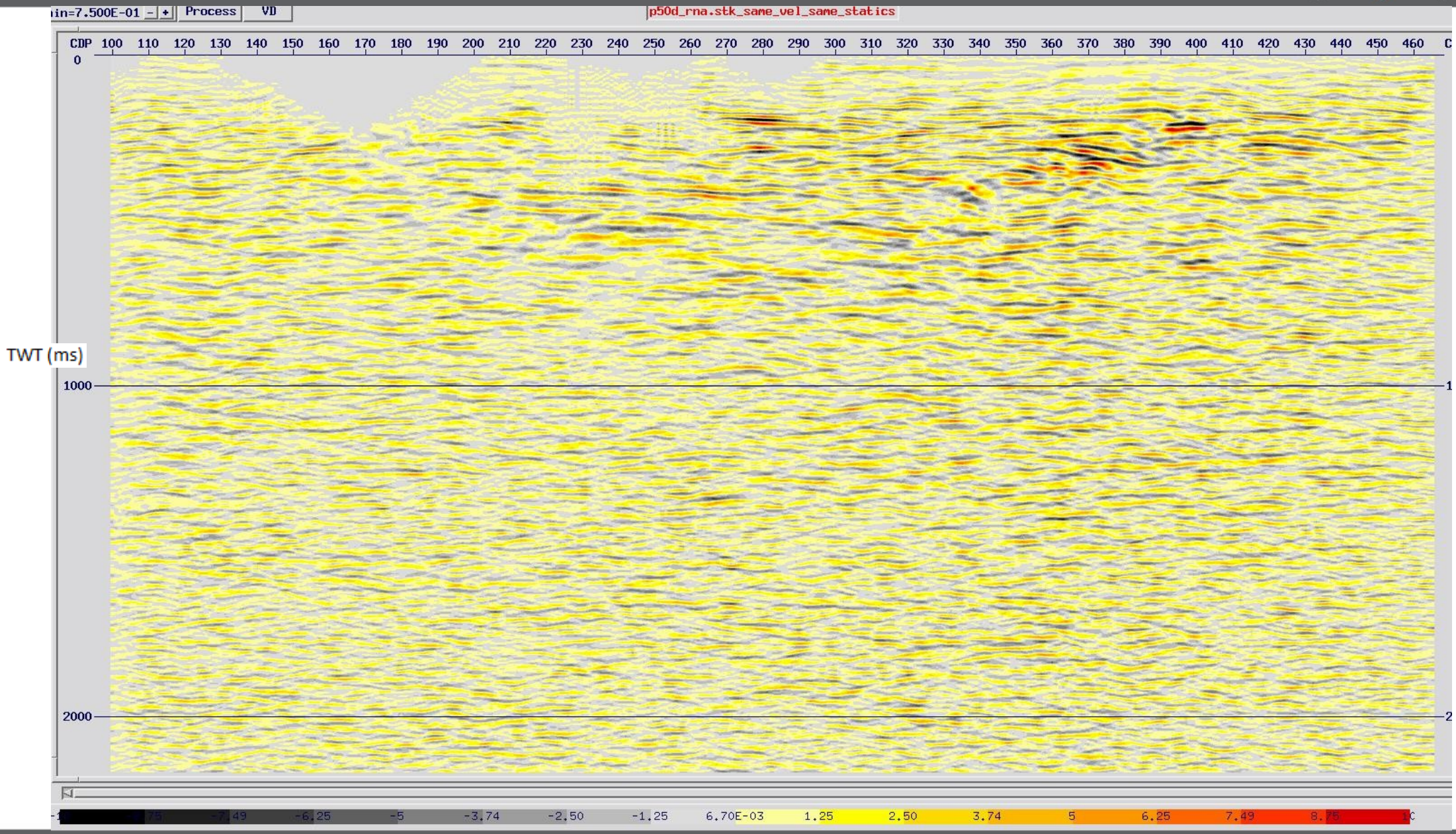
Line 6 finite difference migration



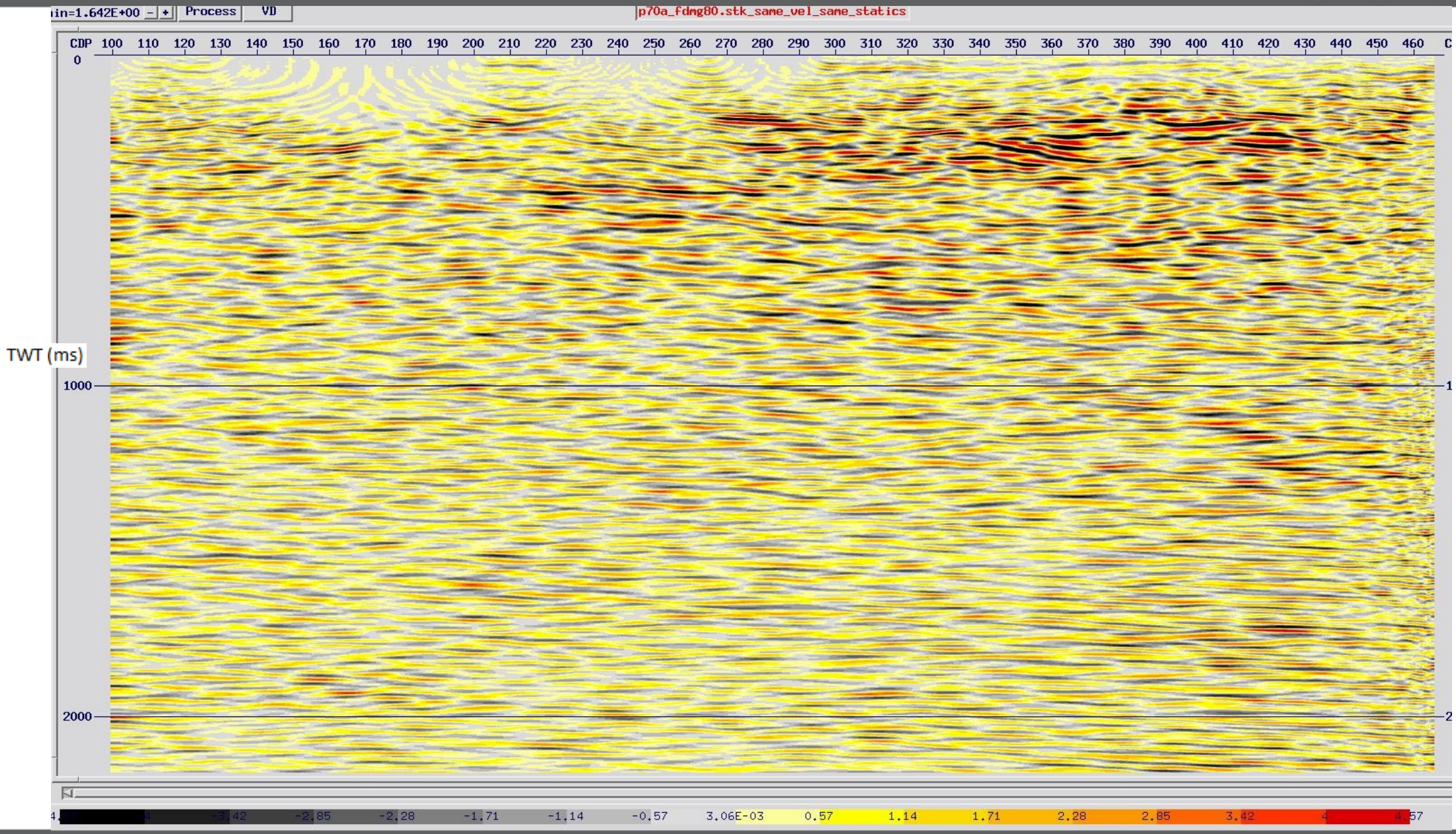
Line 7 initial stack



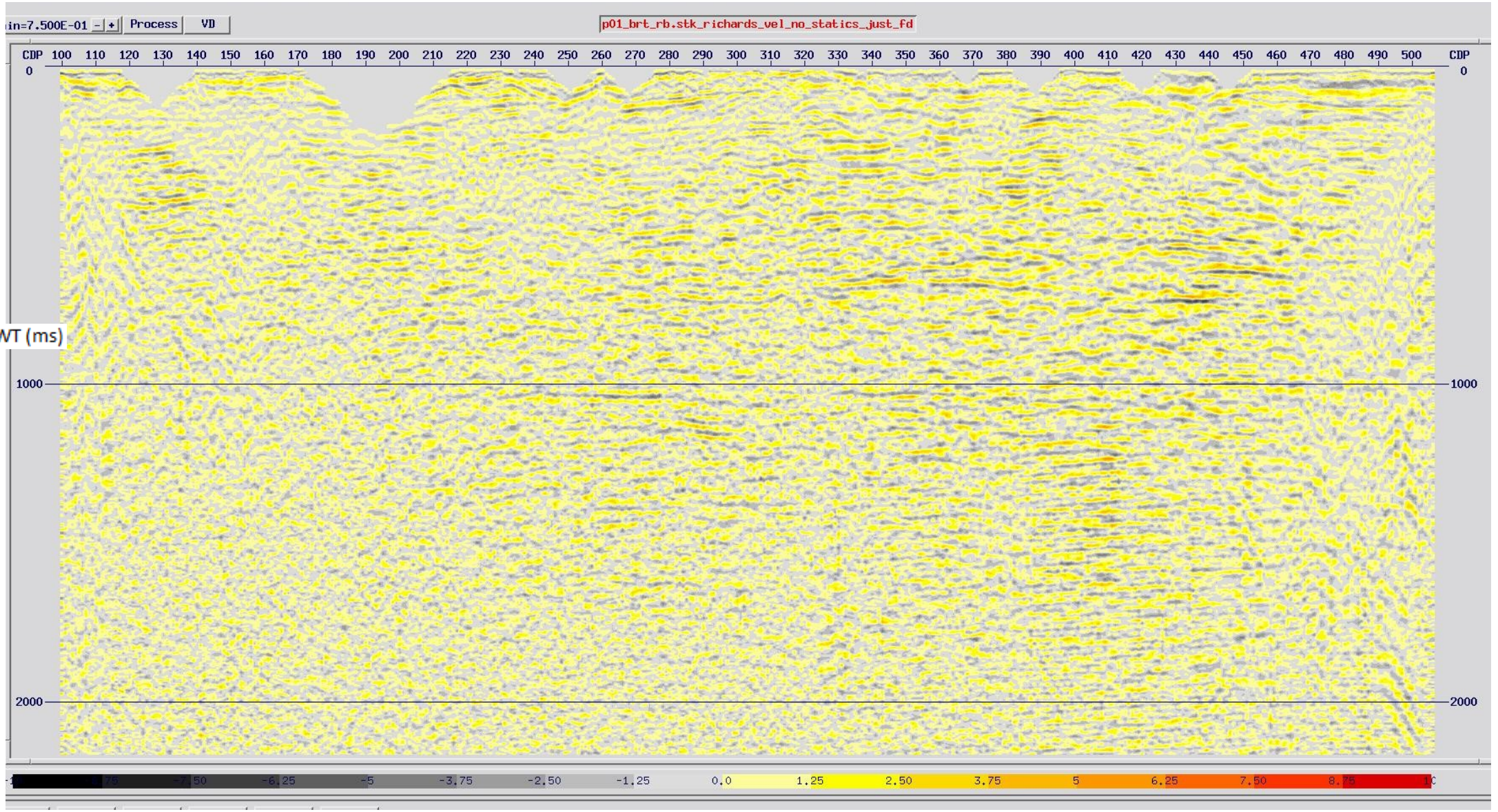
Line 7 final stack



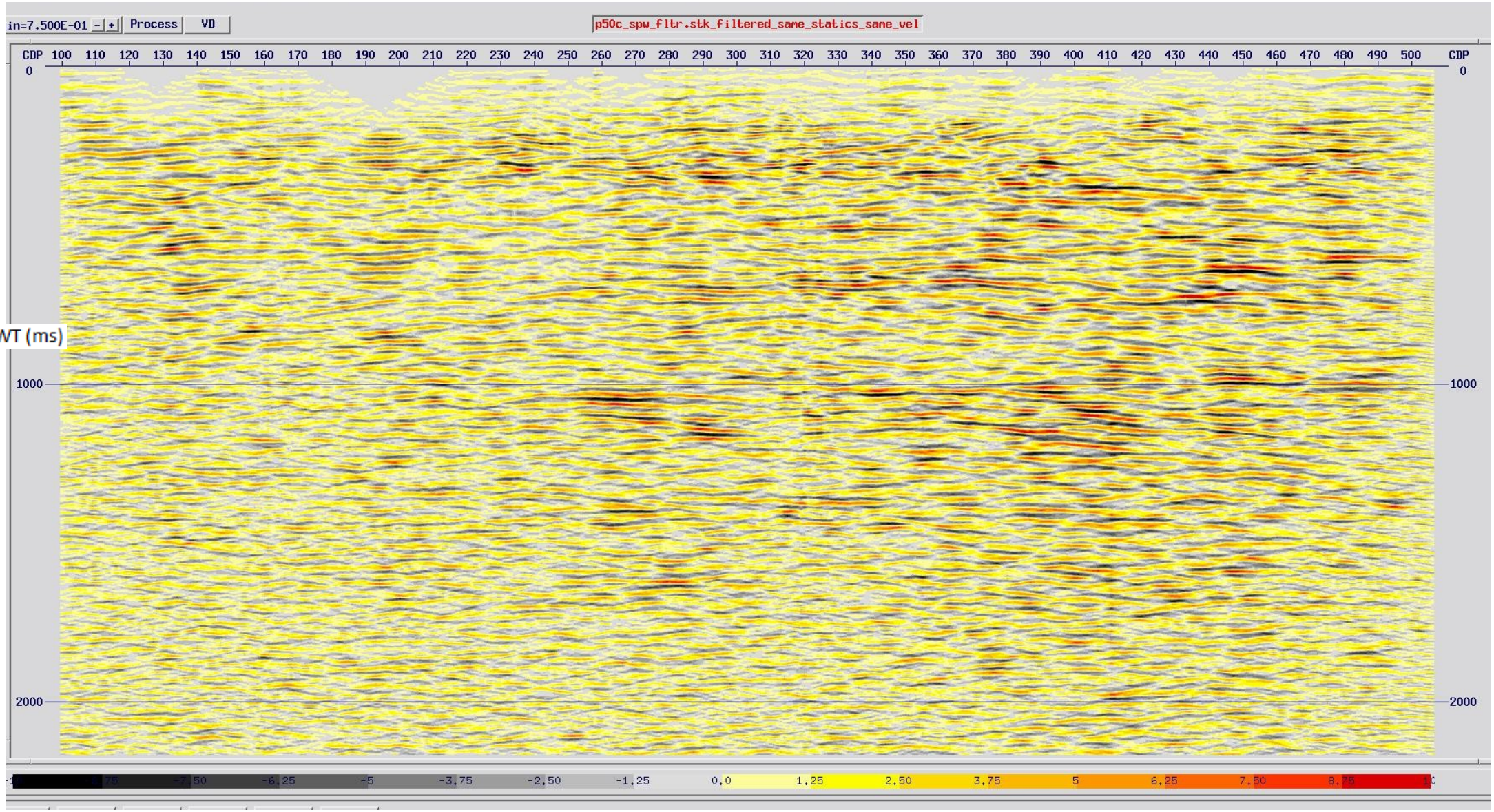
Line 7 finite difference migration



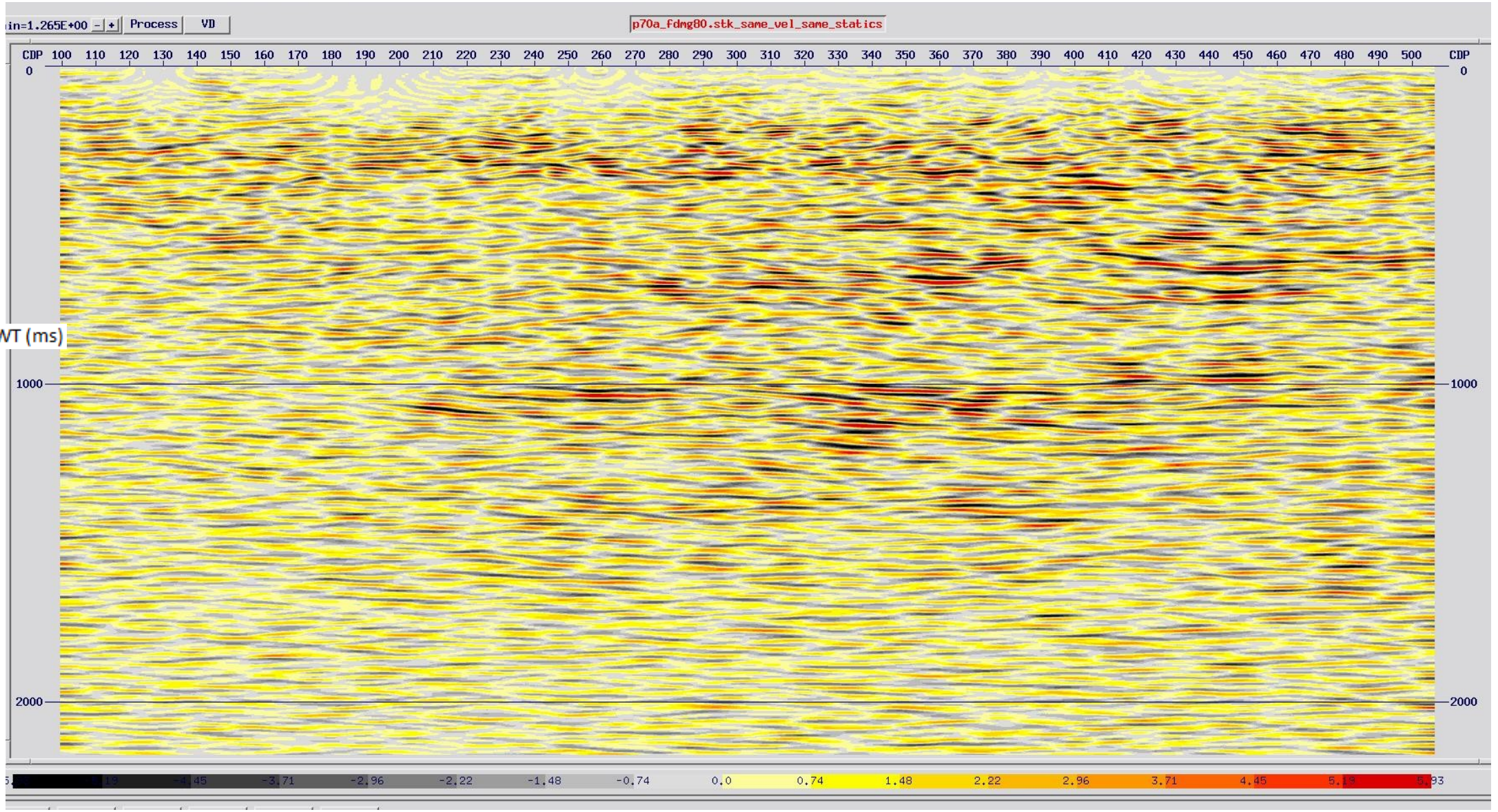
Line 9 initial stack



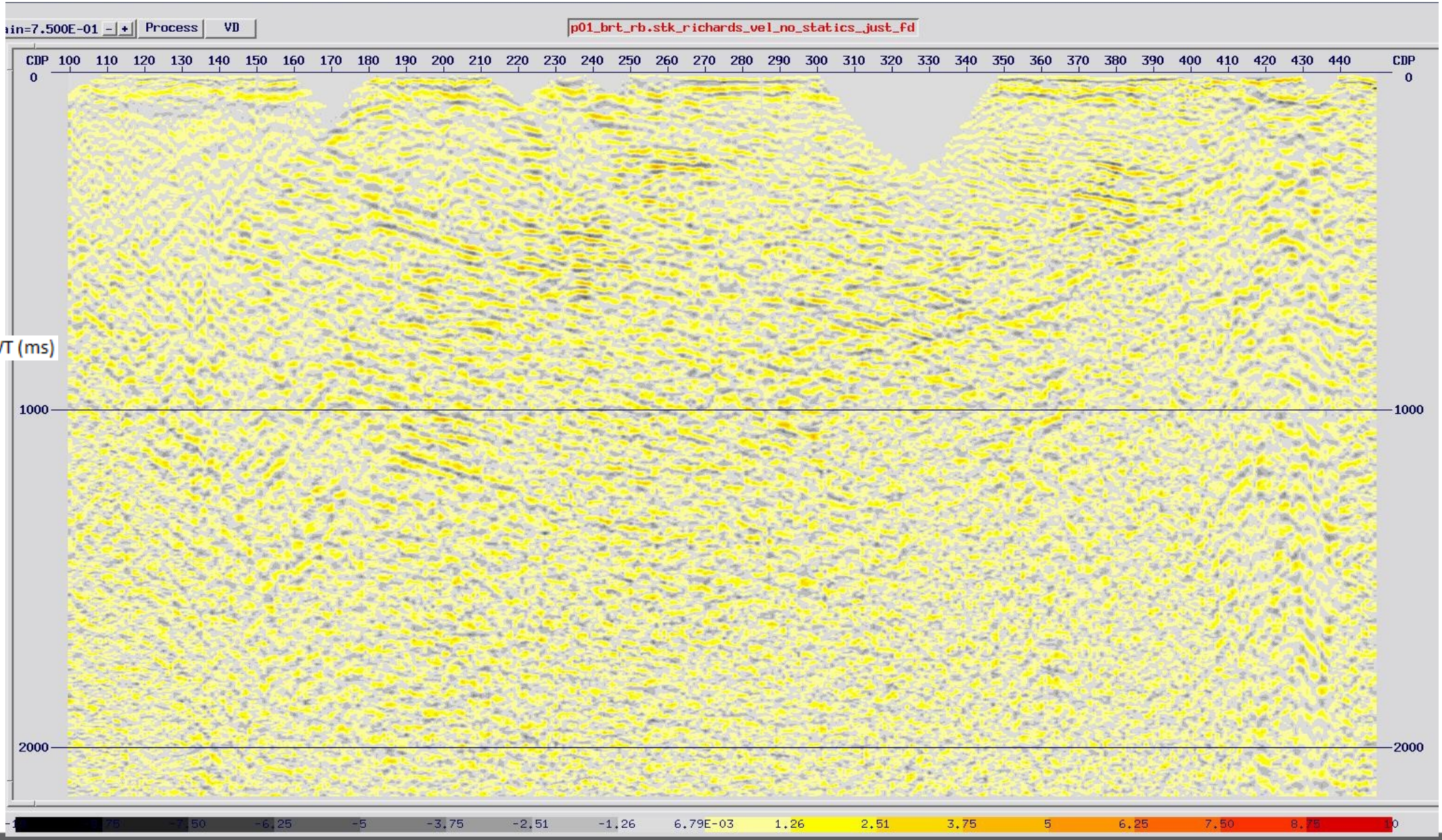
Line 9 final stack



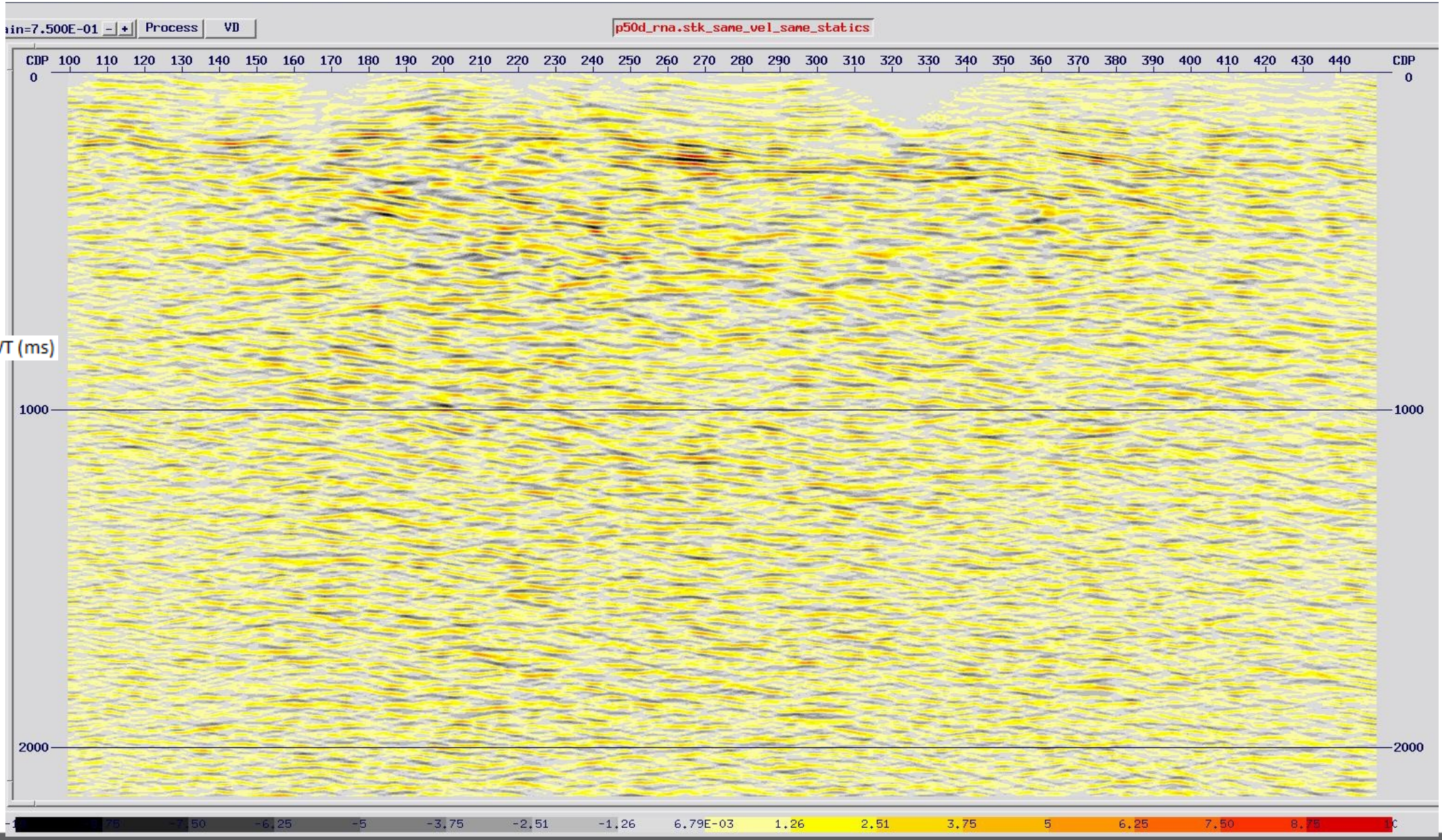
Line 9 finite difference migration



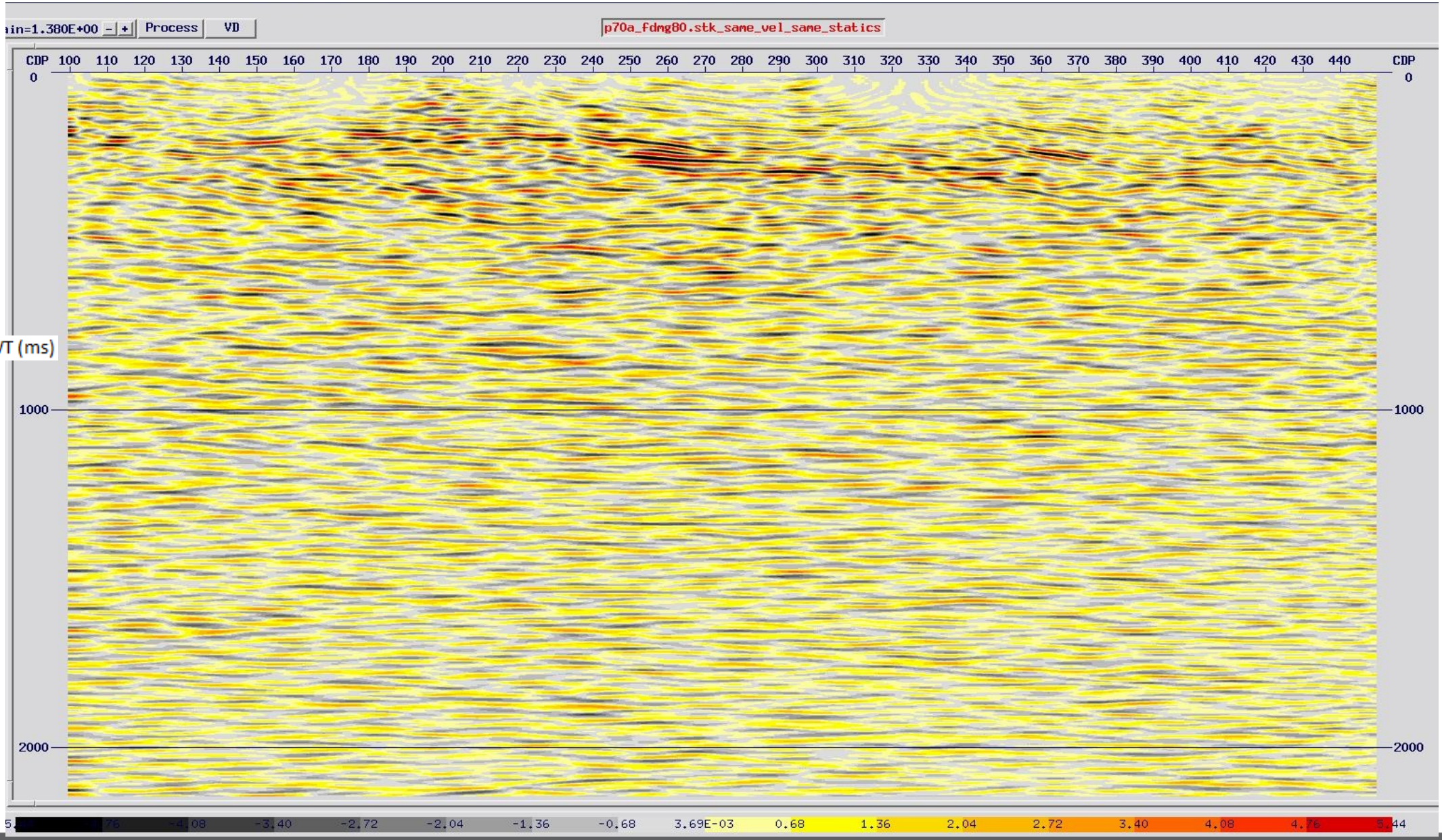
Line 10 initial stack



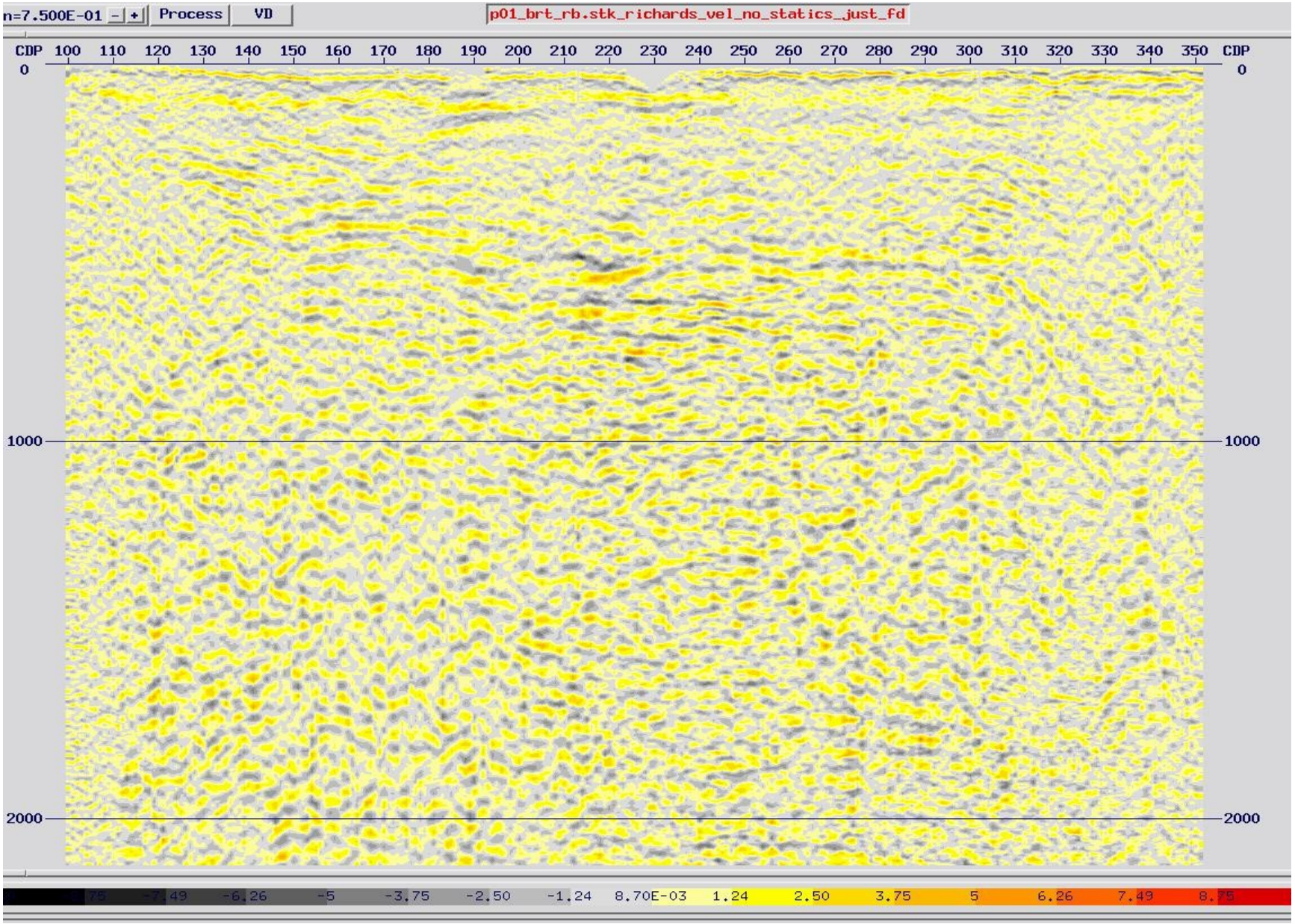
Line 10 final stack



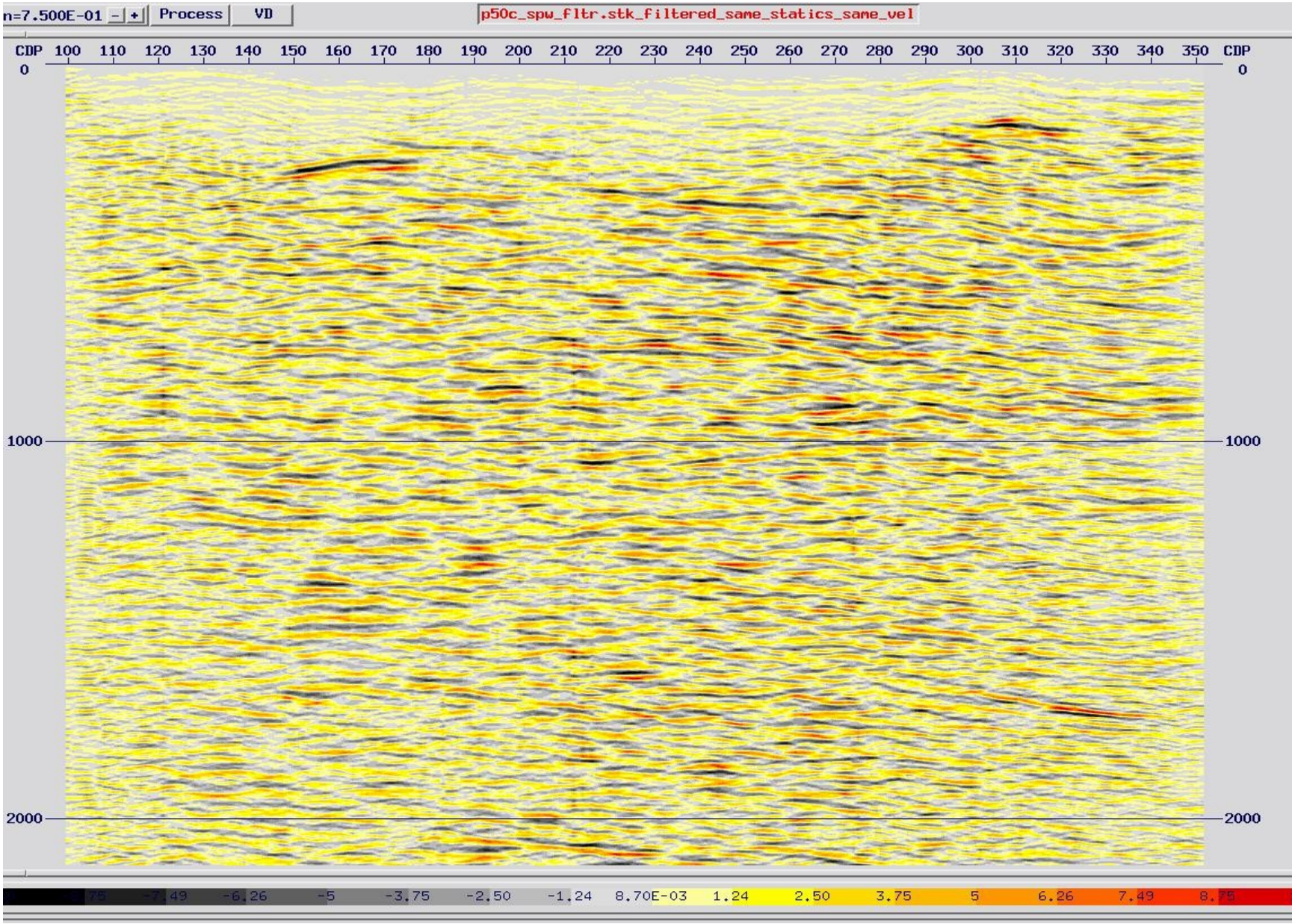
Line 10 finite difference migration



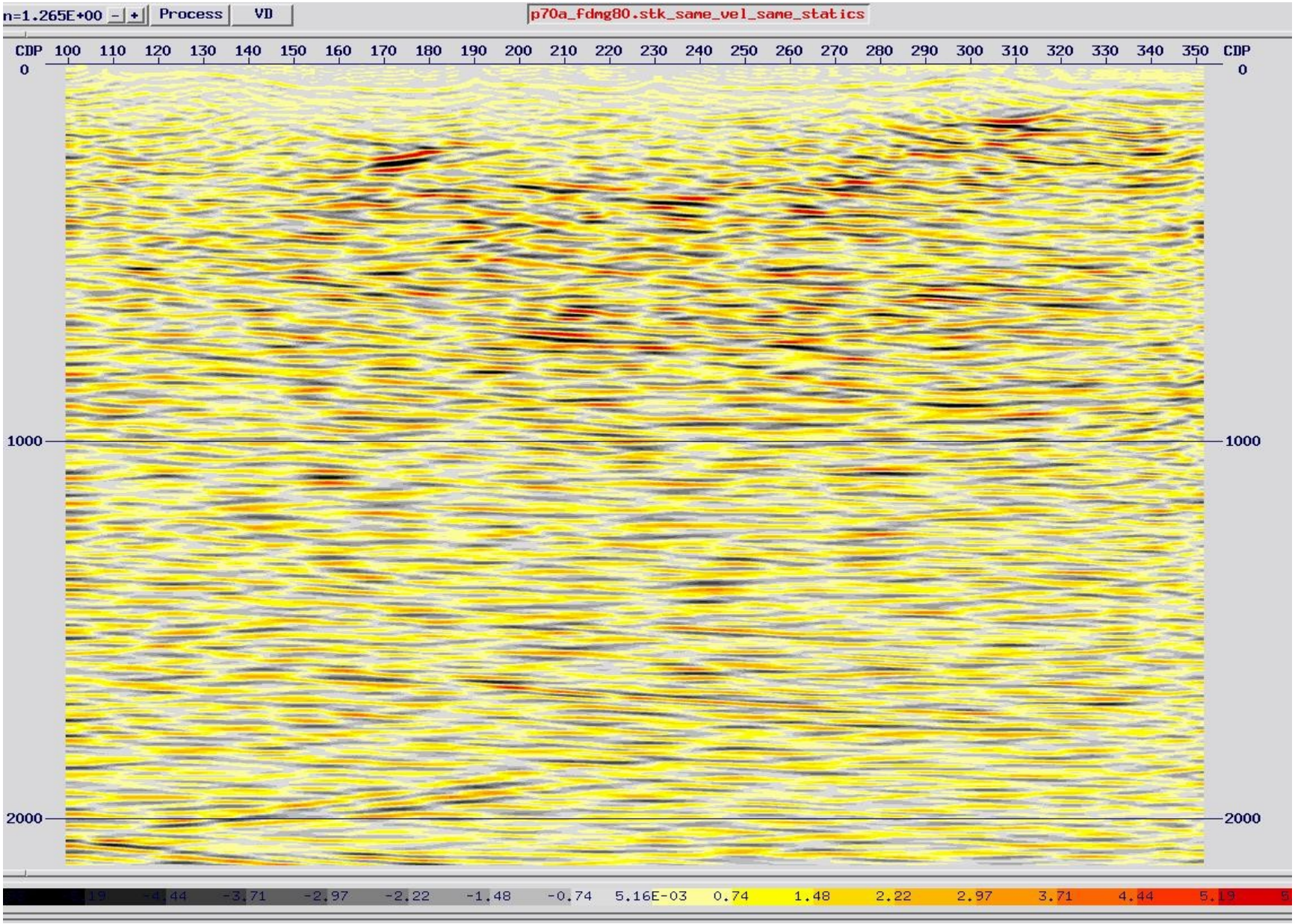
Line 11 initial stack



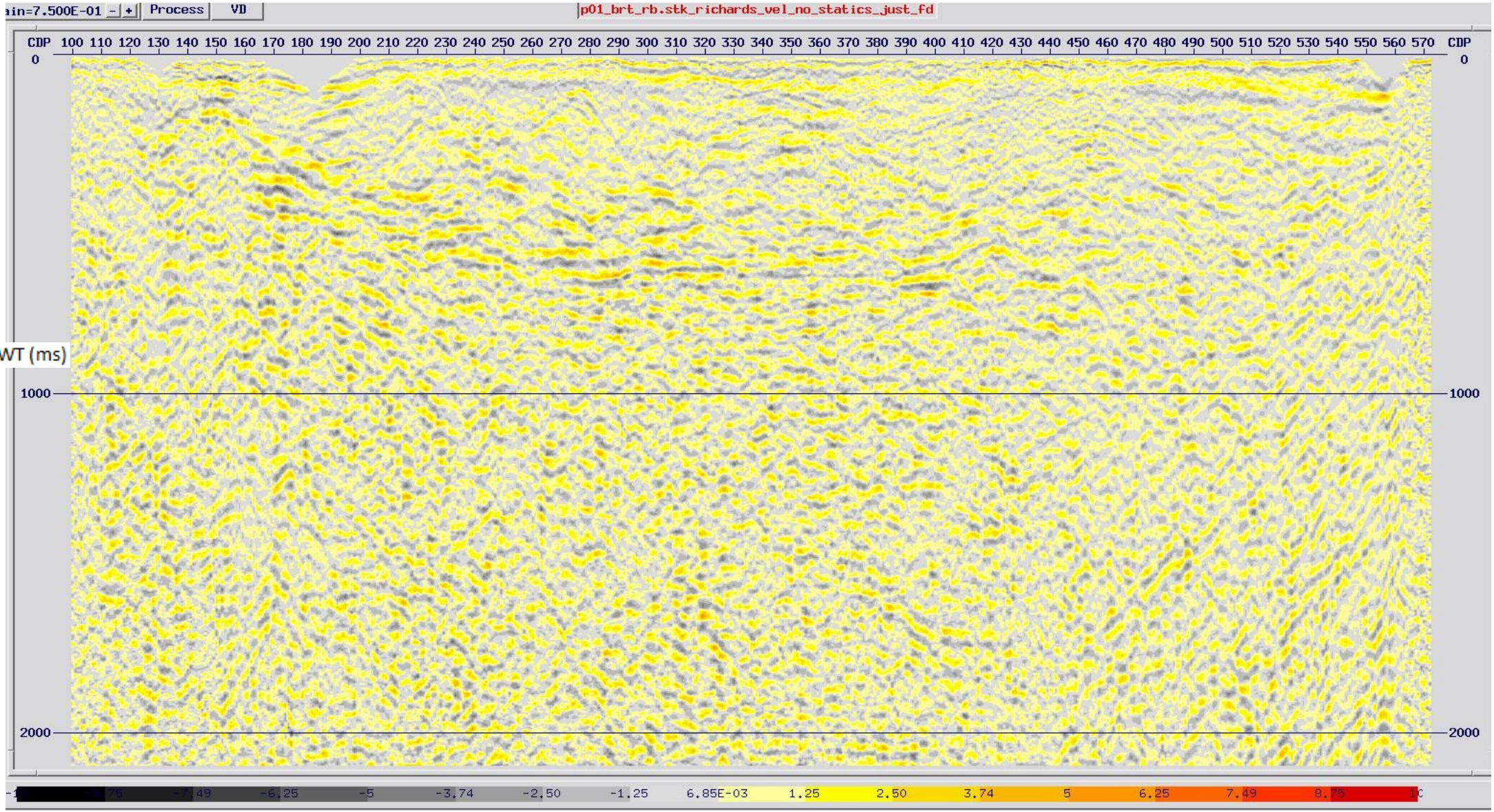
Line 11 final stack



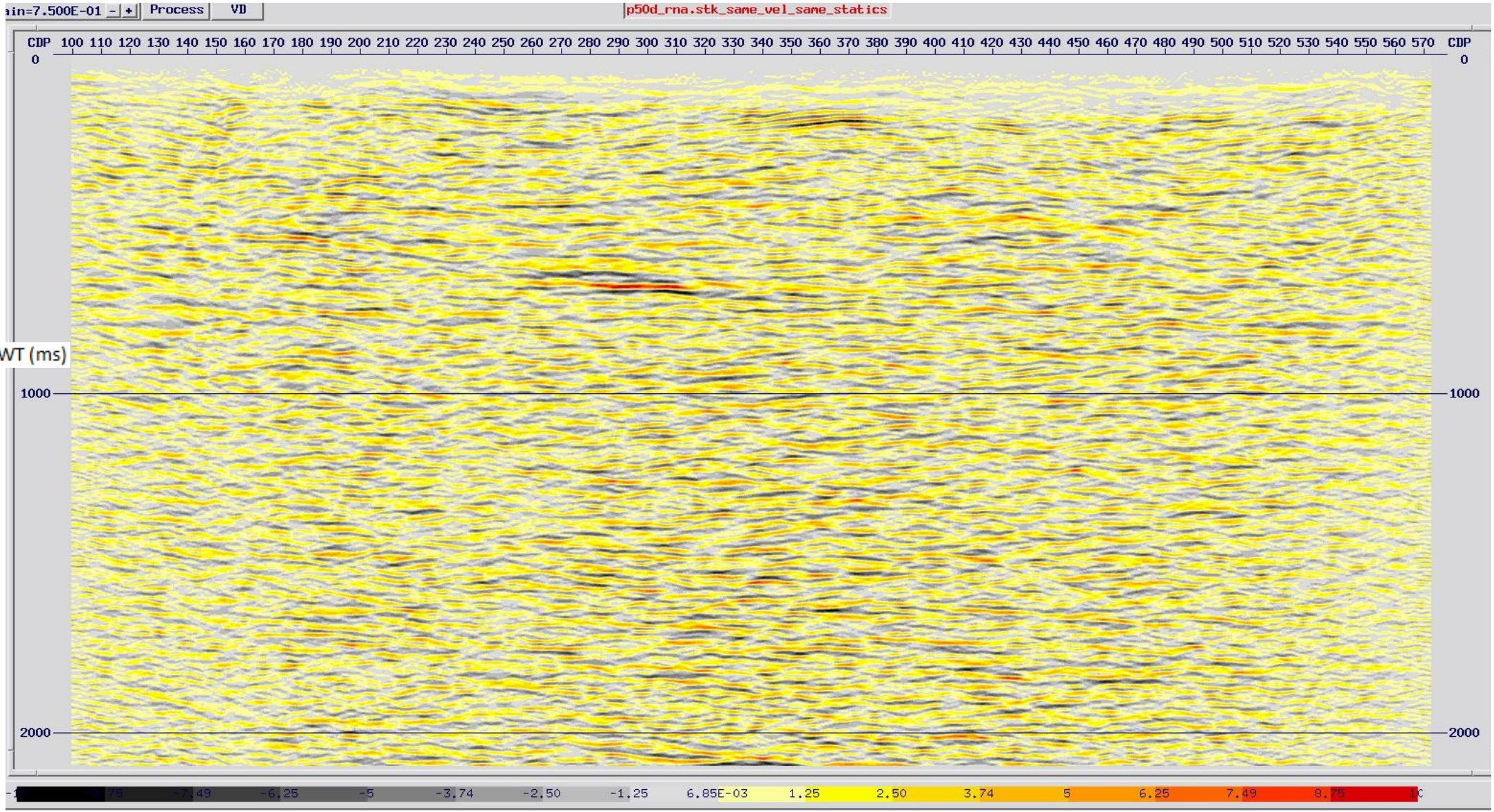
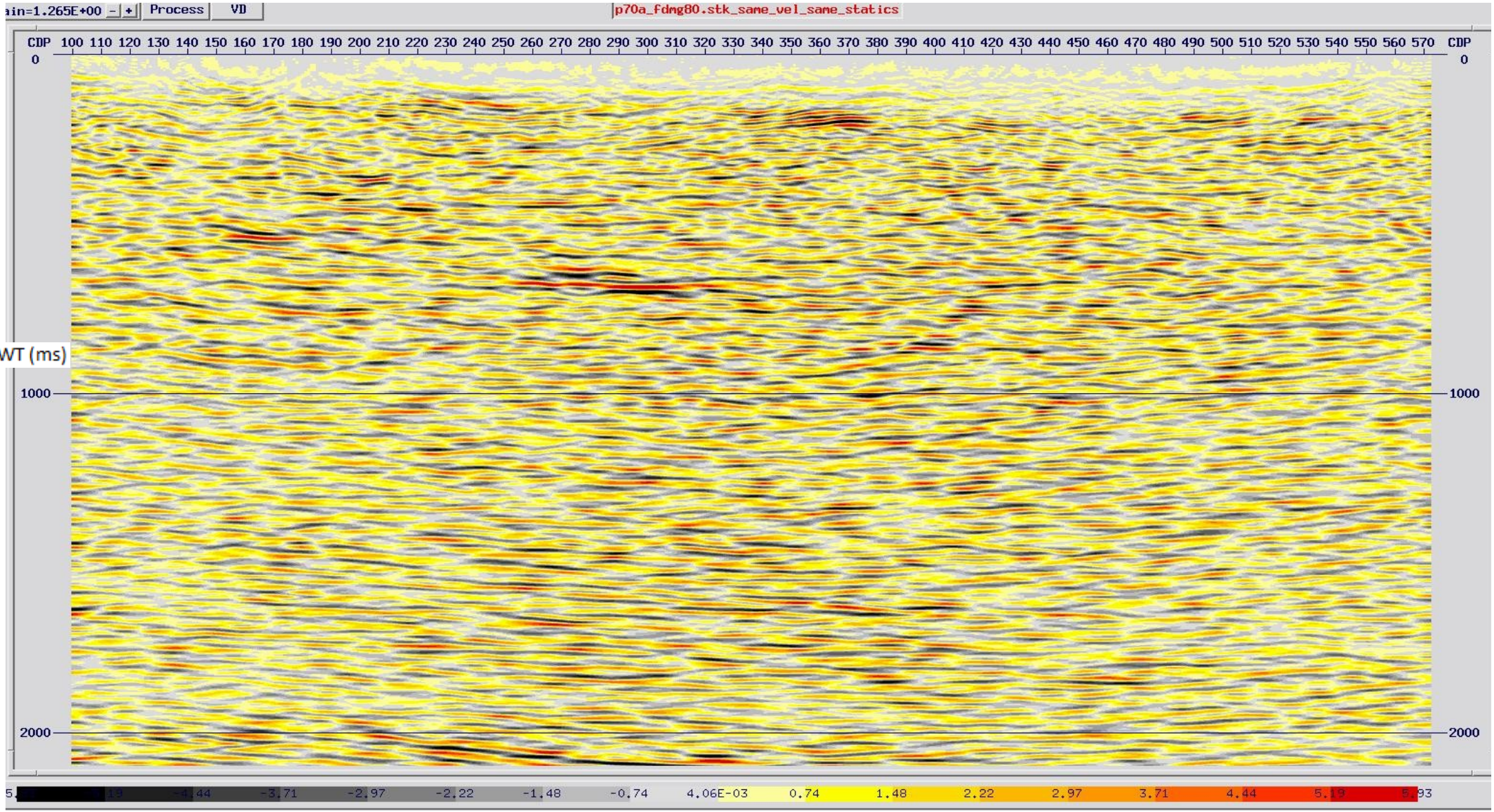
Line 11 finite difference migration



Line 12 initial stack



Line 12 final stack



Line 12 finite difference migration