

Seismic field data processing example

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Segundo Curso de Inverno do Observatório Sismológico - UnB

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Field seismic data are always complicated!

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- Crucial Problems for different types of data:
 - Land data: Static correction, SNR, etc.
 - Marine data: Interpolation, Multiples, migration, etc.

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The tutorial is given to set up a processing workflow for a simple deep water data.

- 1 Get data and convert to RSF format
- 2 Initial data checking
- 3 Initial signal analysis
- 4 Subsampling with anti-aliasing filter
- 5 Convert from CSP to CMP
- 6 Quality control
- 7 Velocity analysis
- 8 NMO and brute stacking
- 9 Poststack time migration

Fomel S., 2003, *Time-migration velocity analysis by velocity continuation*, Geophysics, 68 (5):
1662-1672

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