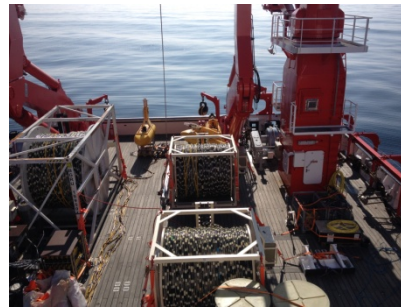
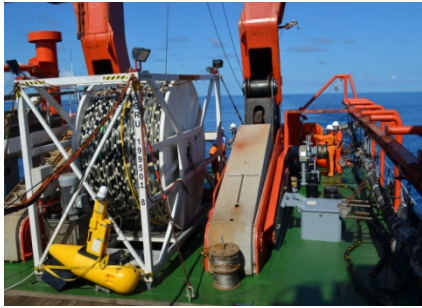




Bundesanstalt für  
Geowissenschaften  
und Rohstoffe

**G E O Z E N T R U M   H A N N O V E R**



# Marine seismic and OBS at BGR

**Presented at the 2017 European OBS technical workshop**  
Institut de physique du globe de Paris, 06.11.2017

**Michael Schnabel**

Federal Institute for Geosciences and Natural Resources (BGR)

BGR: central geoscientific authority providing advice to the German Federal Government in all geo-relevant questions.

- Energy Resources, Mineral Resources
- Groundwater and Soil Science
- Underground Space for Storage and Economic Use
- Geoscientific Information, International Cooperation



Bundesanstalt für  
Geowissenschaften  
und Rohstoffe

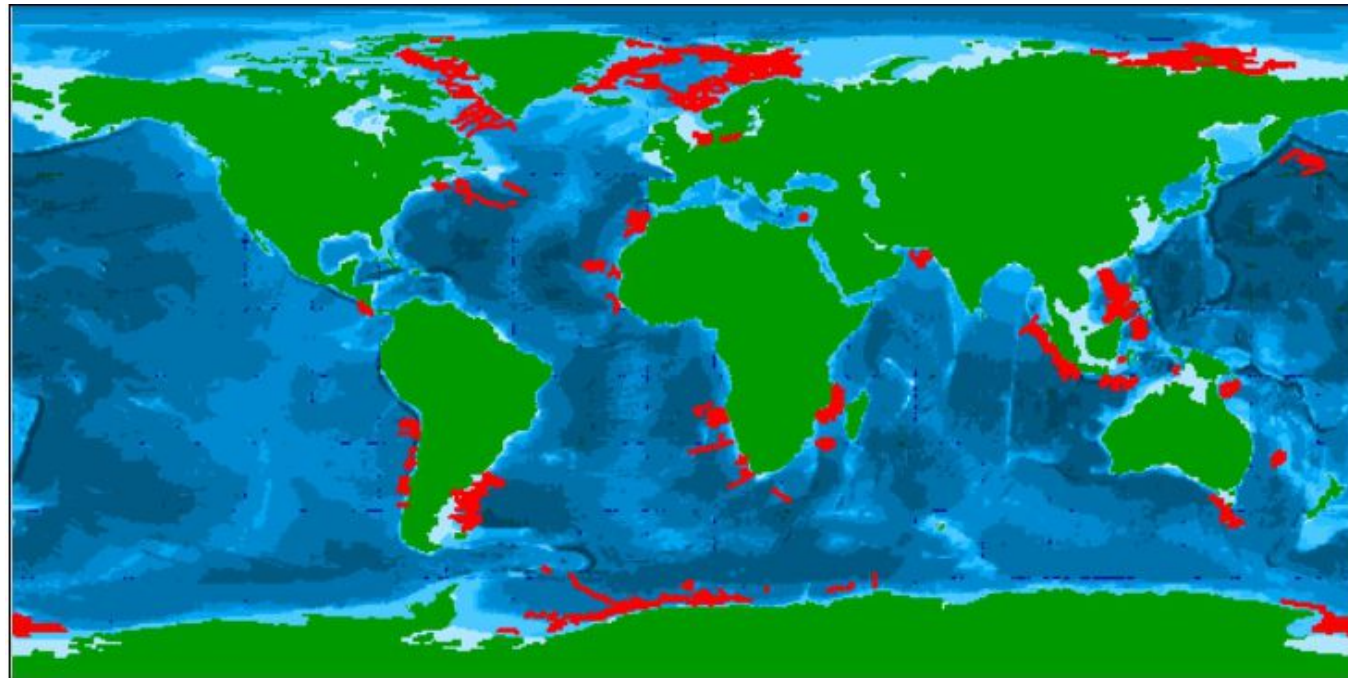
GEOZENTRUM HANNOVER

# Unit marine seismics

Unit marine seismics: 5 scientists, 5 technicians, focused on marine multi-channel seismics. Since 1974: 340.000 km MCS lines.

Some projects are supported by OBS work.

Main focus: passive margins, more recently also divergent margins.



# OBS equipment

13 KUM Lobster

1 pressure tube

4.5 Hz geophones

SEND MES recorder

Recently: one KUM 6D6 recorder

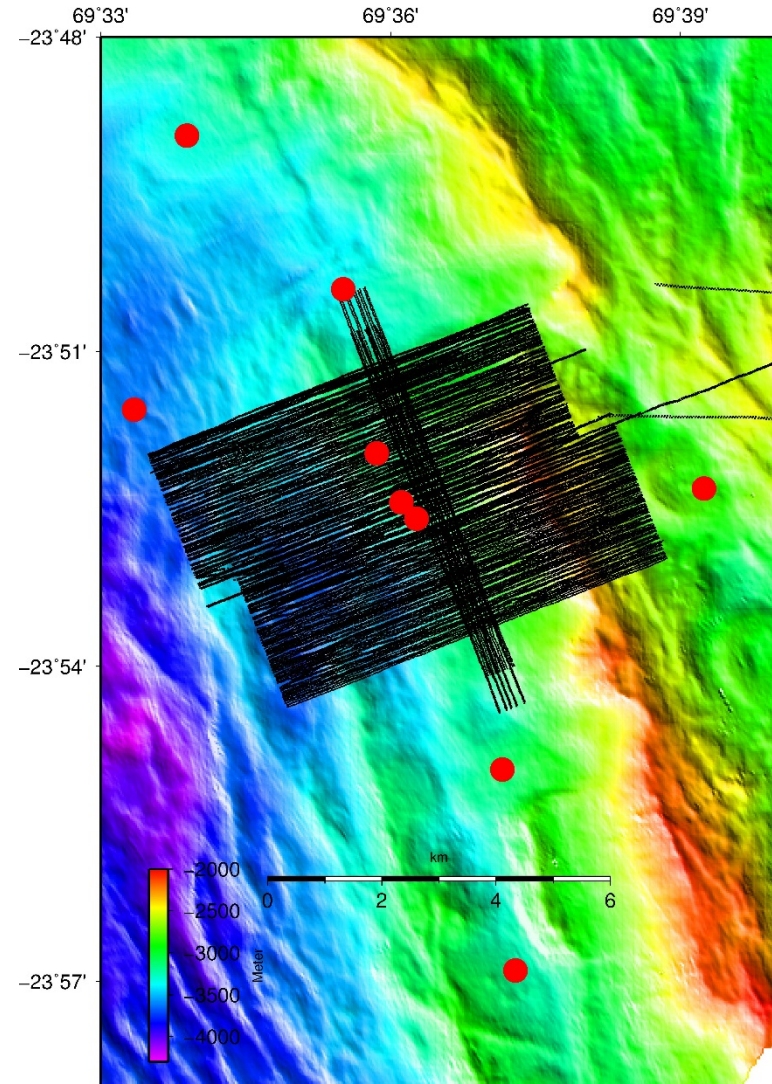


# Edmond vent field, Central Indian Ridge

9 OBS

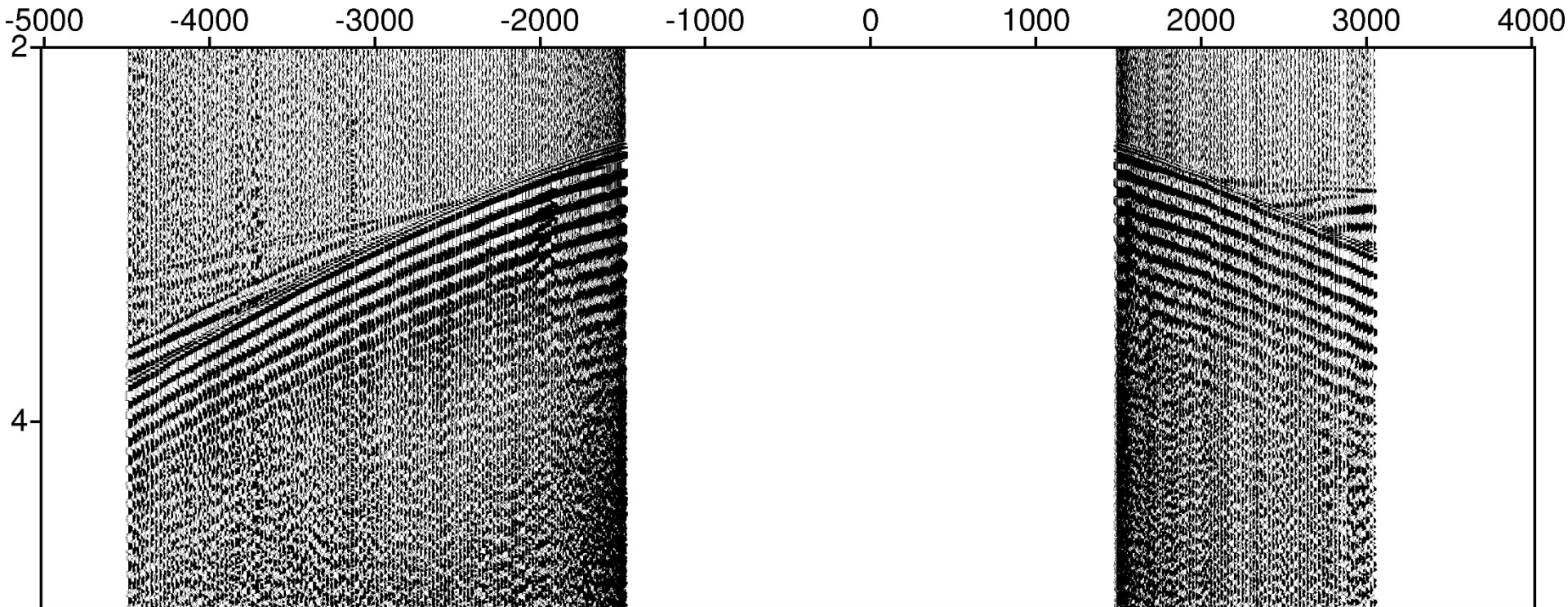
7 days surveying, 30 km<sup>2</sup>

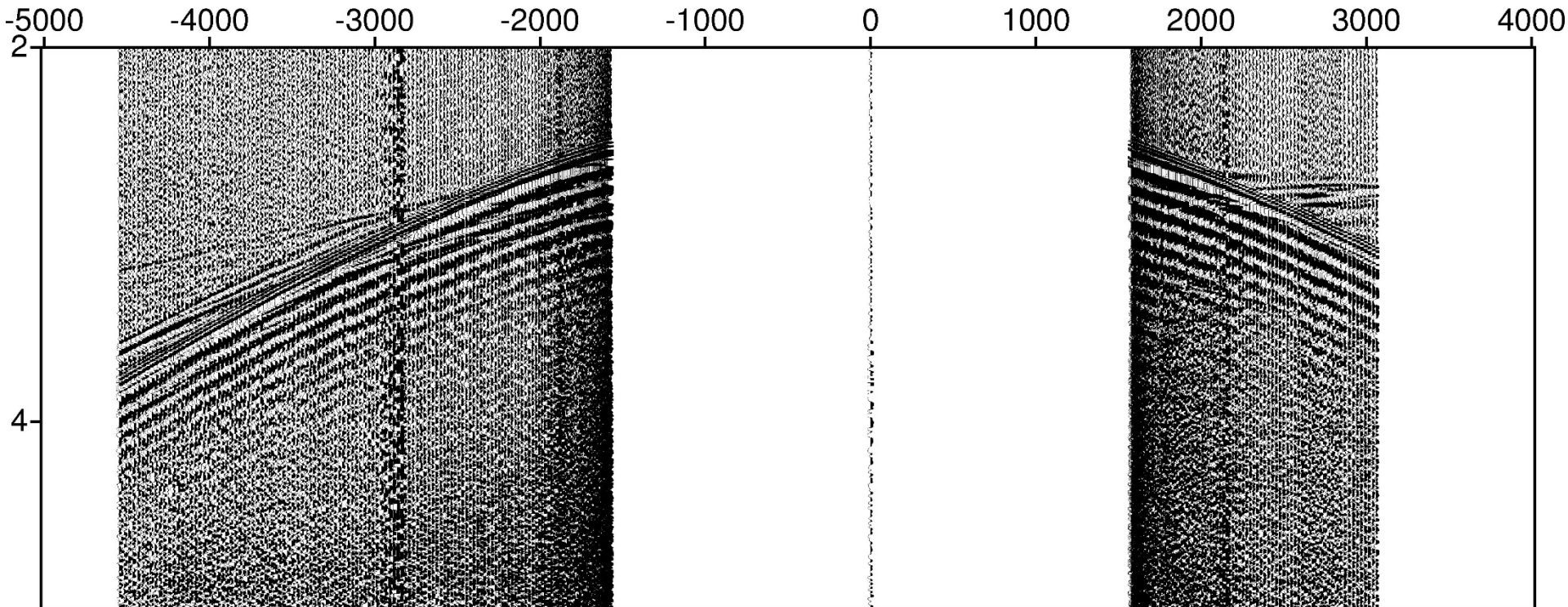
~57.000 shots on 120 sail lines



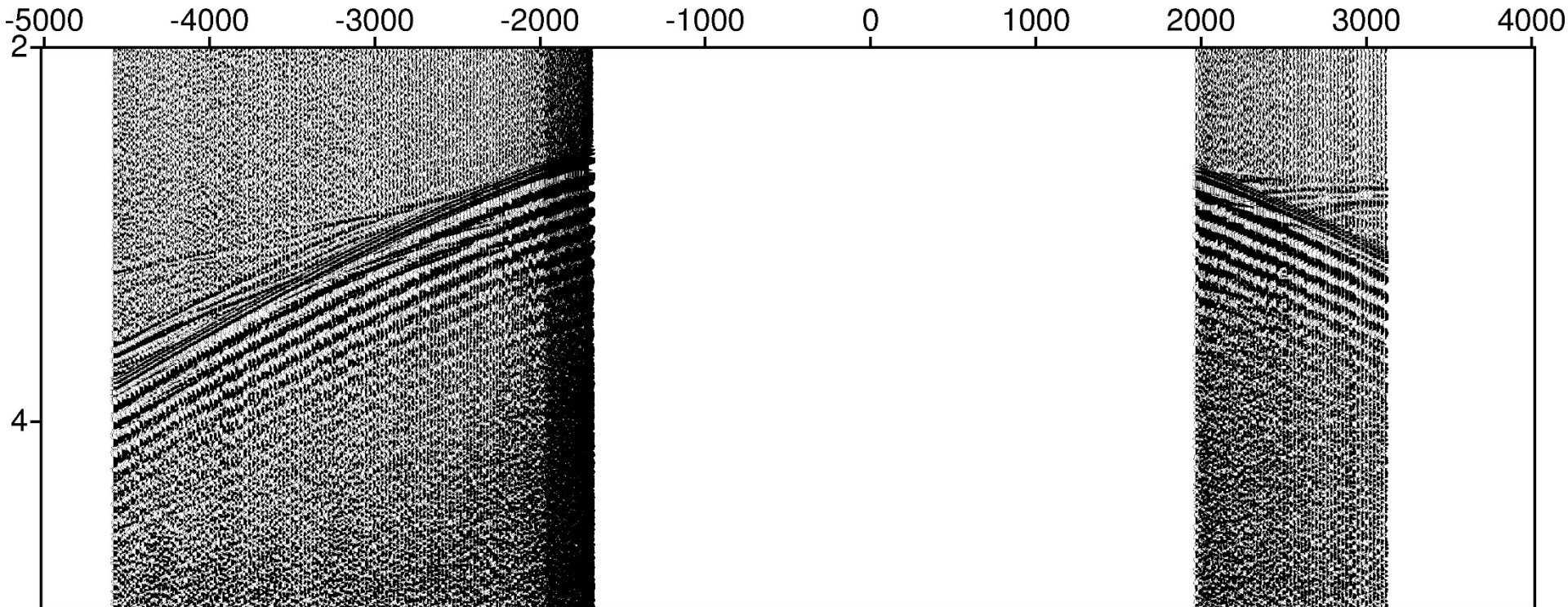
Bundesanstalt für  
Geowissenschaften  
und Rohstoffe

GEOZENTRUM HANNOVER

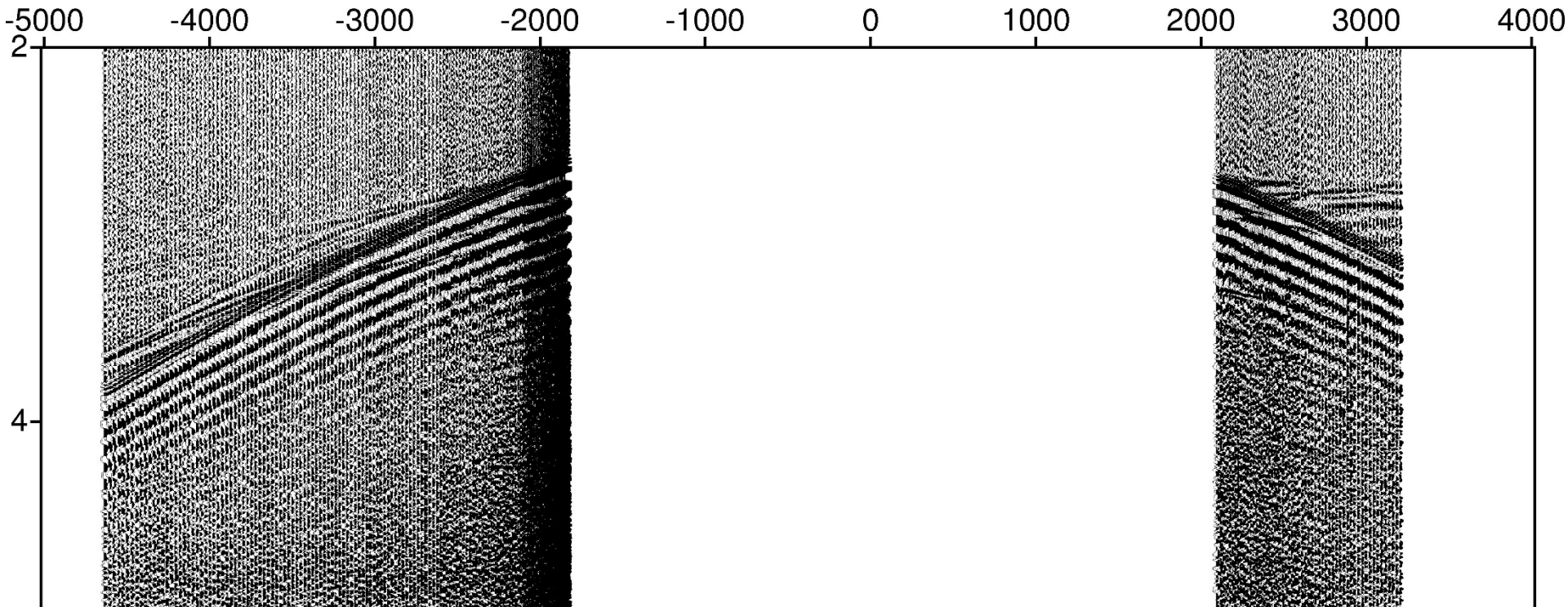


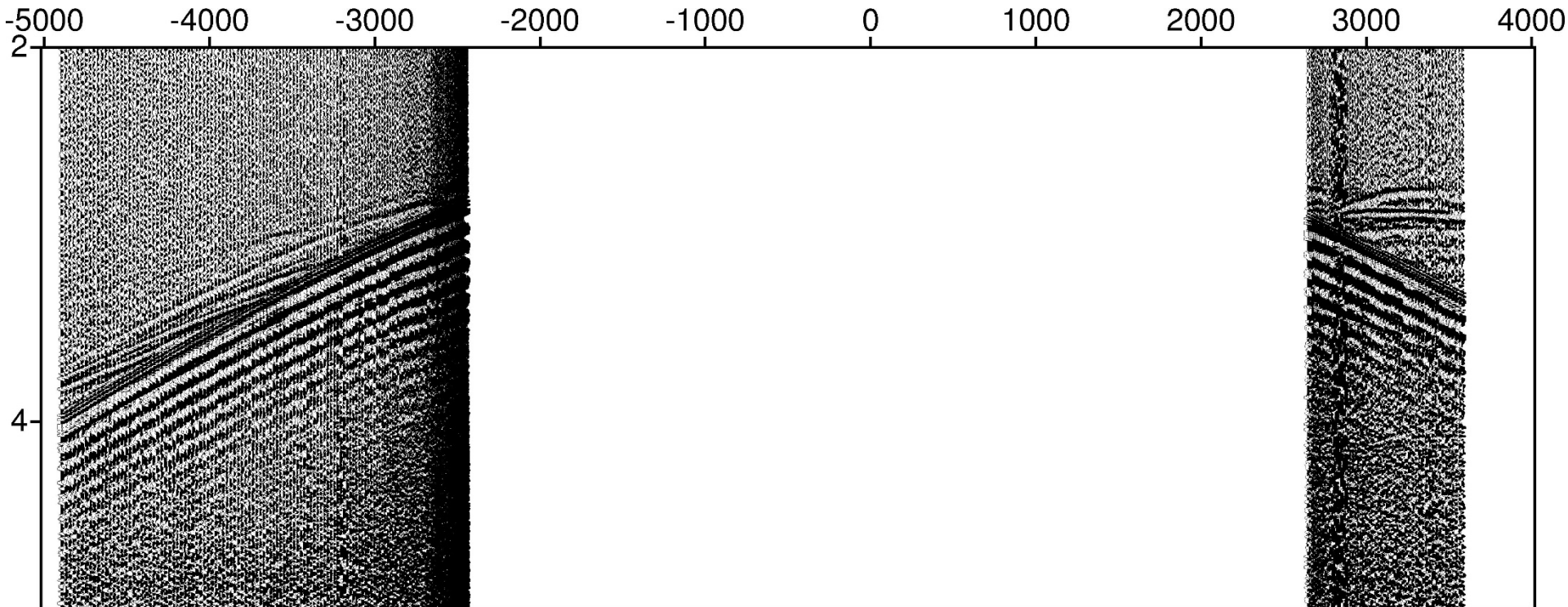




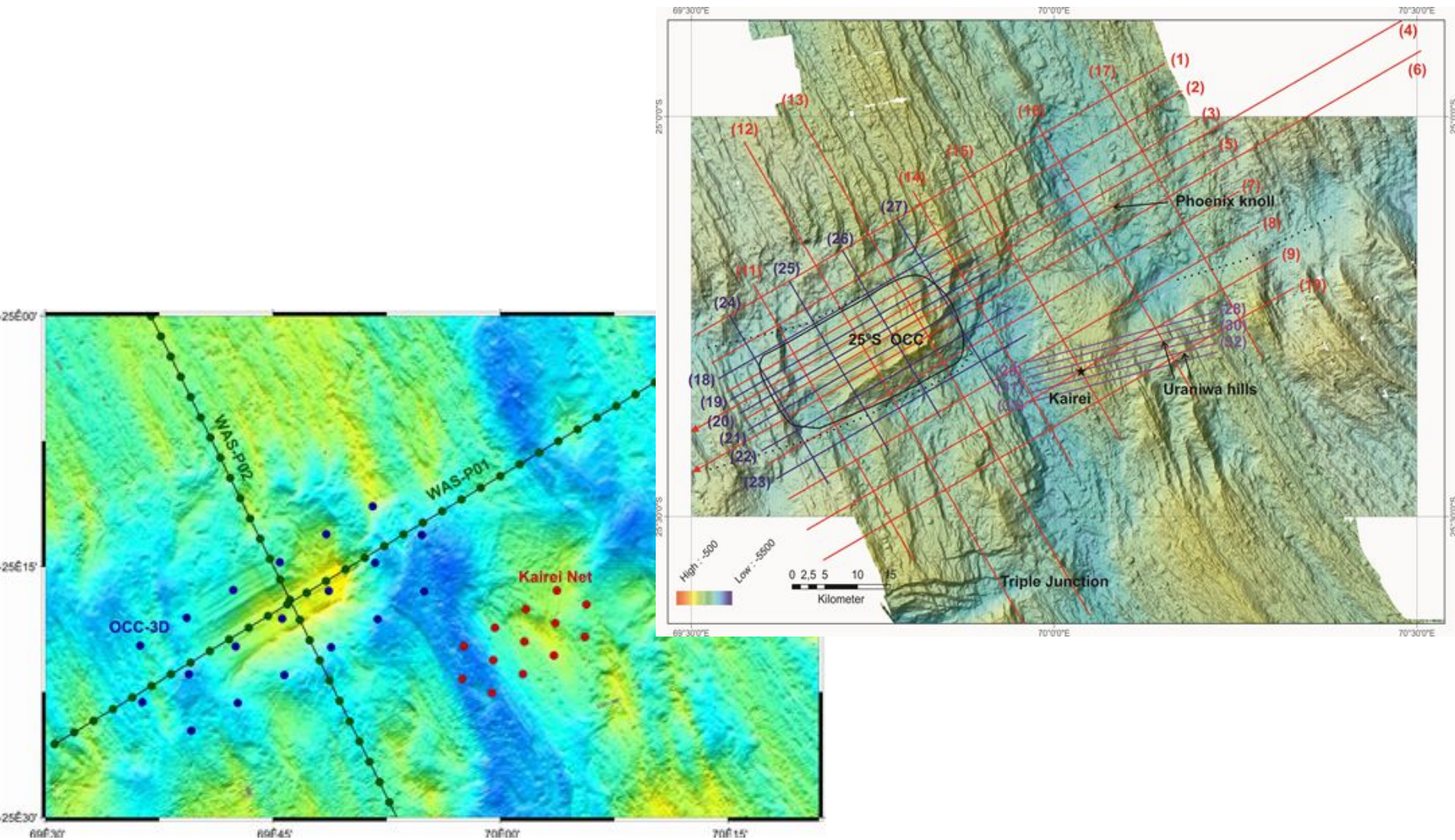


# OBS21 IDX16-050





# Kairei field, 25°S OCC





Bundesanstalt für  
Geowissenschaften  
und Rohstoffe

**G E O Z E N T R U M   H A N N O V E R**