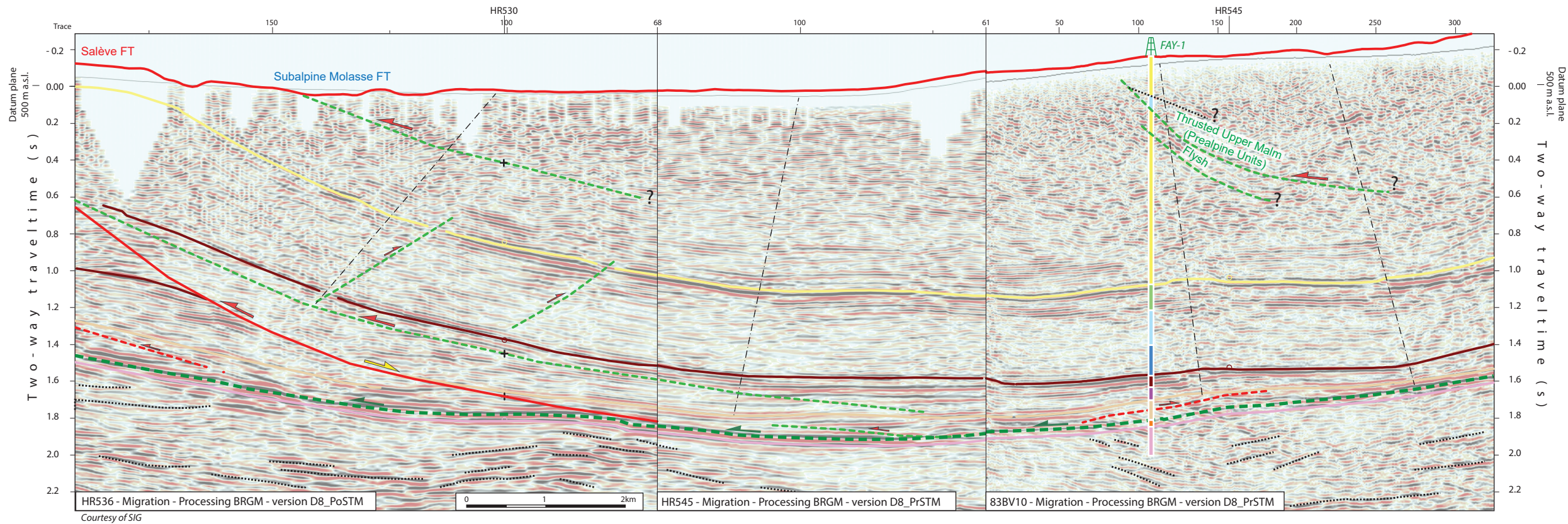
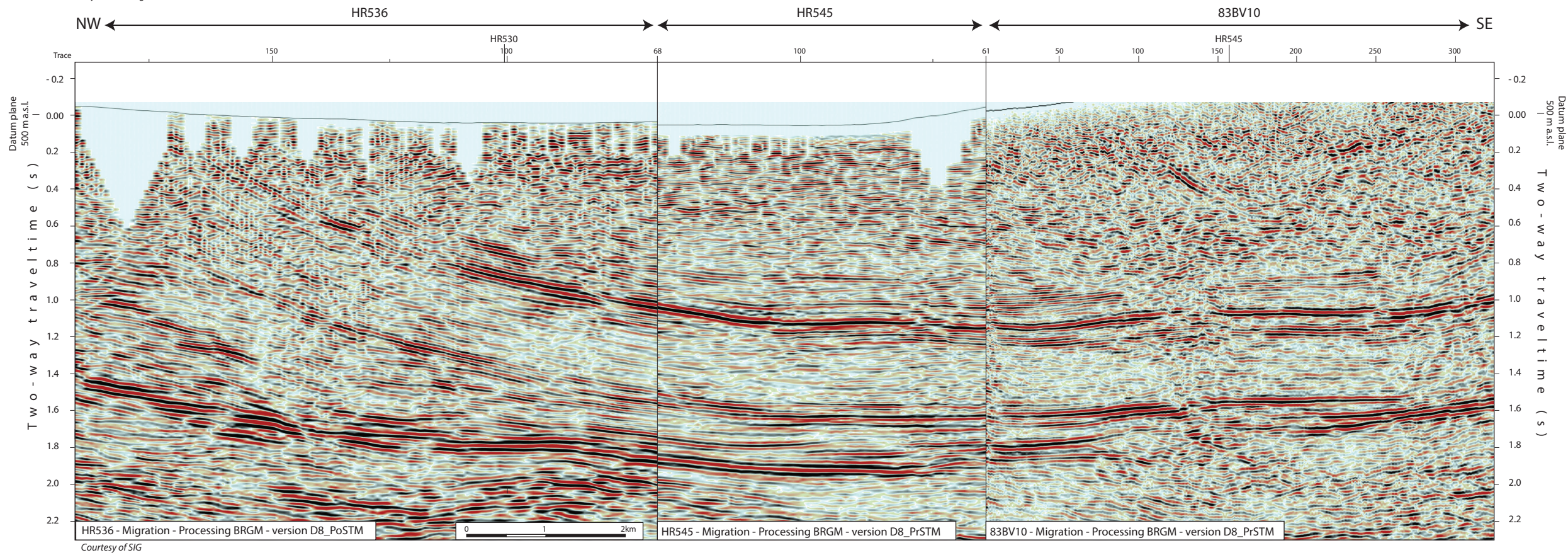
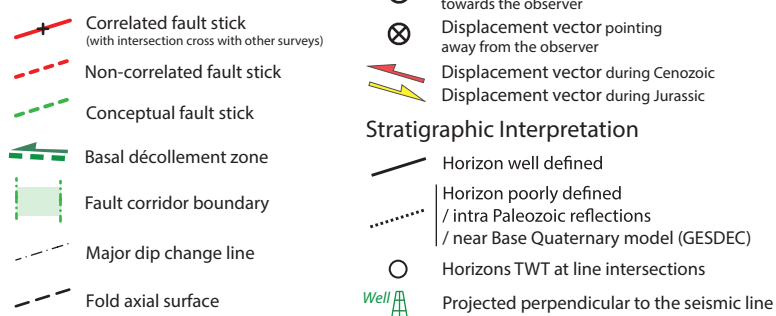


2D seismic line Transect SAM (FR)



Structural Interpretation



Well abbreviation
(Map and section)

La Balme-1 LBL-1
Faucigny-1 FAY-1

Other abbreviations

Trace Seismic trace
FZ Fault zone
FC Fault corridor
TWT Two way traveltime
proj. Projected
s Seconds
nT near Top
nB near Base
Q Quaternary
Cen Cenozoic
UMa Upper Malm
Lma Lower Malm
Do Dogger
Li Lias
Keu Keuper
Mus Muschelkalk
Mes Mesozoic
InPal Intra Paleozoic

Well stratigraphy

Cenozoic & Quaternary
Lower Cenozoic (Eocene?)
Cretaceous
Upper Malm
Lower Malm
Dogger
Lias
Keuper
Muschelkalk
Paleozoic

Folds in detached Mesozoic and Cenozoic sedimentary cover

- Anticline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Syncline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Anticline visible only on seismic data (blue -> only in Cenozoic cover)
- Syncline visible only seismic data (blue -> only in Cenozoic cover)

Fold Names

- 11 Amancy Anticline
- 12 Etaux Anticline
- 35 Thônex Syncline

Areas

Molasse Basin (Quaternary or Molasse outcrops)
Mesozoic outcrops
Cretaceous outcrops at the boundary between the Molasse Basin and the Jura fold and Thrust Belt

Main Faults at nBCen (near Base Cenozoic)

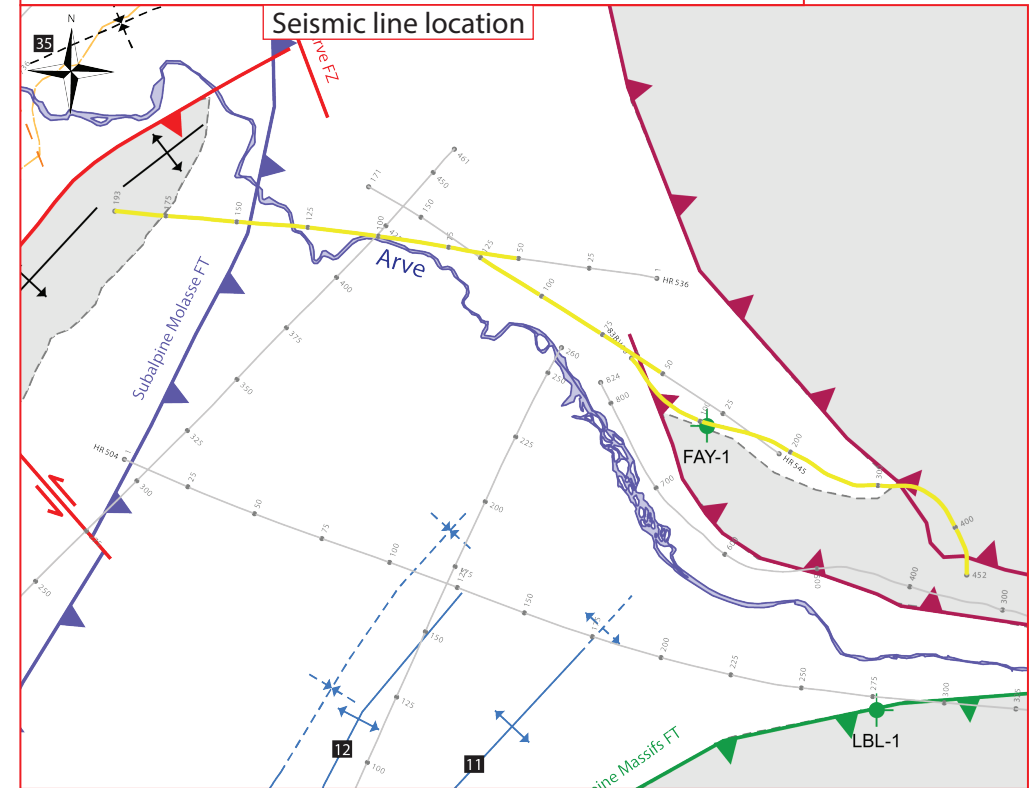
- Reverse fault
- Strike-slip fault
- Normal fault
- Fault corridor
- FT: Frontal Thrust
- FBT: Frontal Back Thrust
- FZ: Fault Zone
- FC: Fault Corridor

Other features

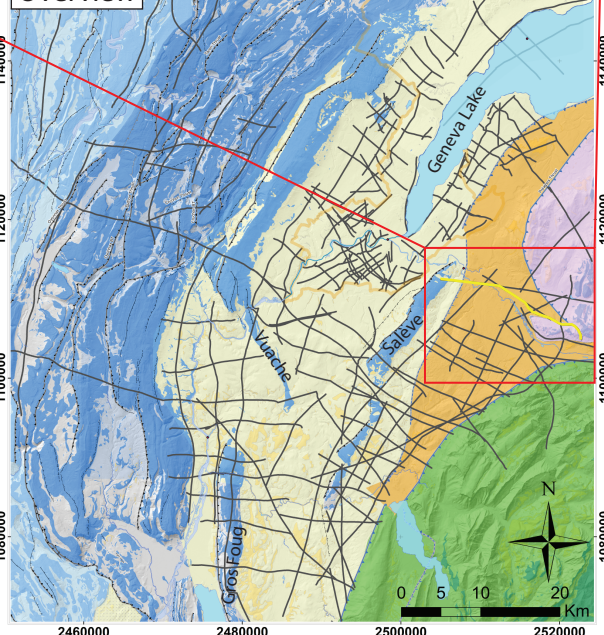
250 Seismic lines with trace numbers
Interpreted seismic lines (left)
Geomorphologic lineaments
Wells
Frontier CH-FR

0 km 2

Seismic line location



Overview



Legend

Tectonic domains
Molasse Basin
Subalpine Molasse
Internal Jura *
External Jura
Penninic nappes
Ultraschist nappes
* plus the Salève, Gros Foug and Vuache structures in the Molasse Basin
Other features
Border
Seismic Lines
Thrust
Alpine Thrust

Coordinate system: CH1903+ / LV95