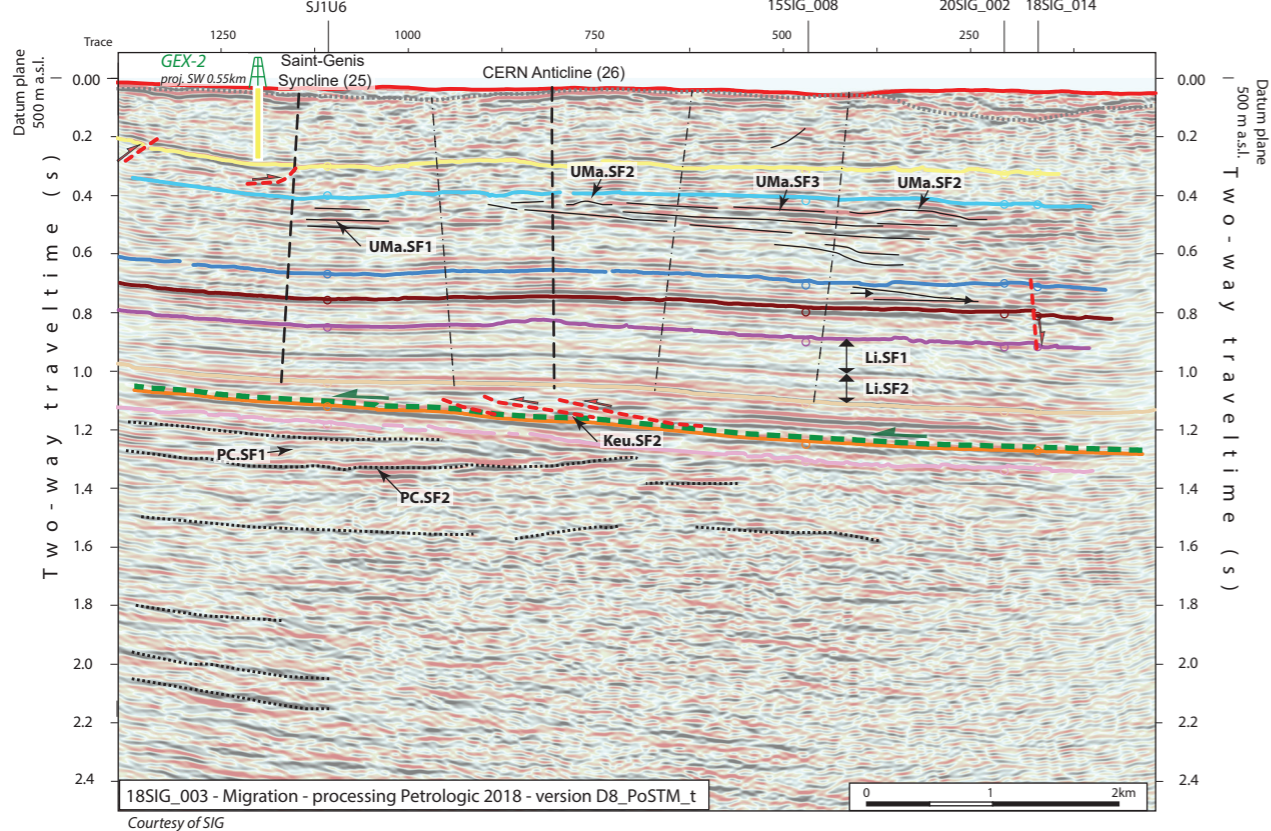
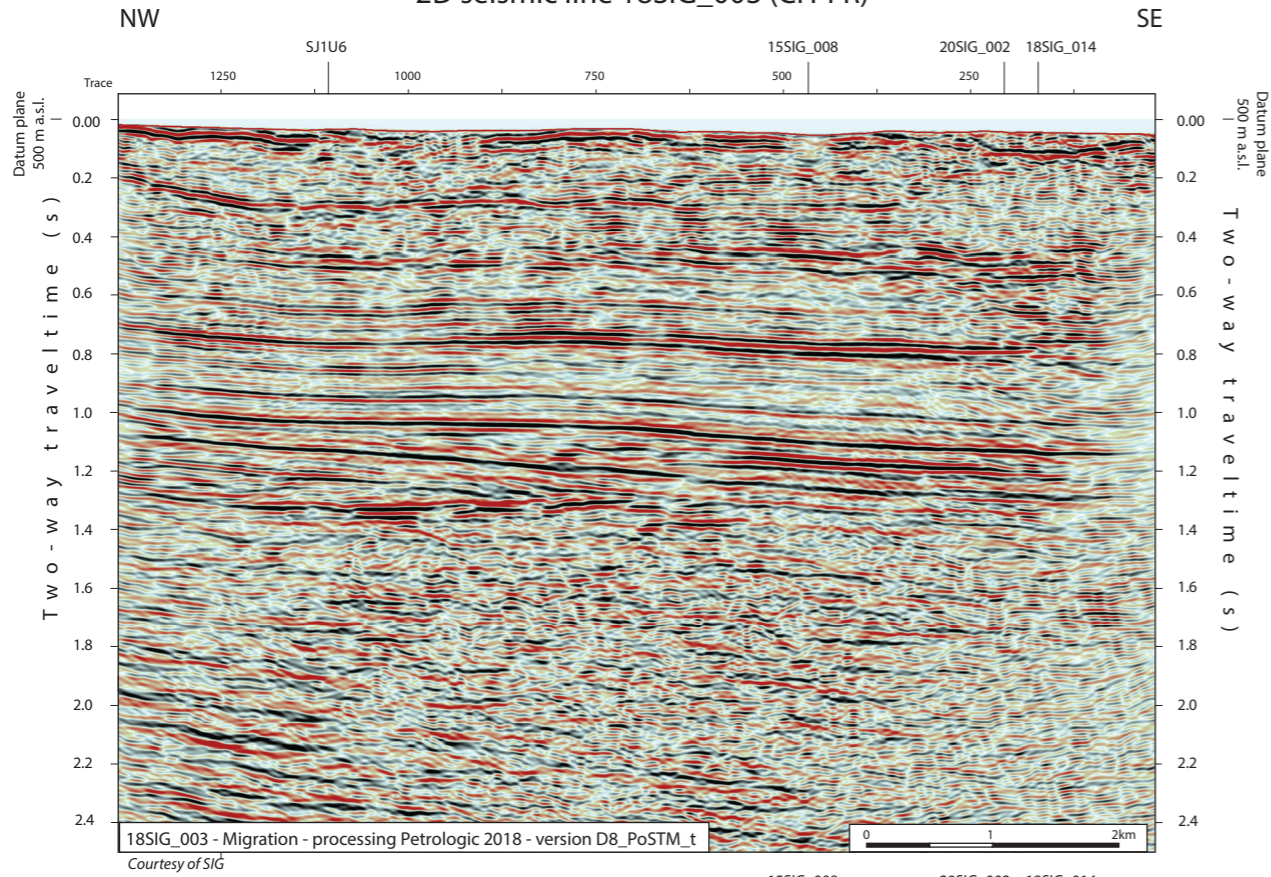


2D seismic line 18SIG_003 (CH-FR)



Folds in detached Mesozoic and Cenozoic sedimentary cover

- Anticline visible on surface and on seismic data
- Syncline visible on surface and on seismic data
- Anticline visible only on seismic data
- Syncline visible only seismic data

Main Faults at nBCen (near Base Cenozoic)

- Reverse fault
- Strike-slip fault
- Normal fault
- Fault corridor

Other features

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

Fold Names

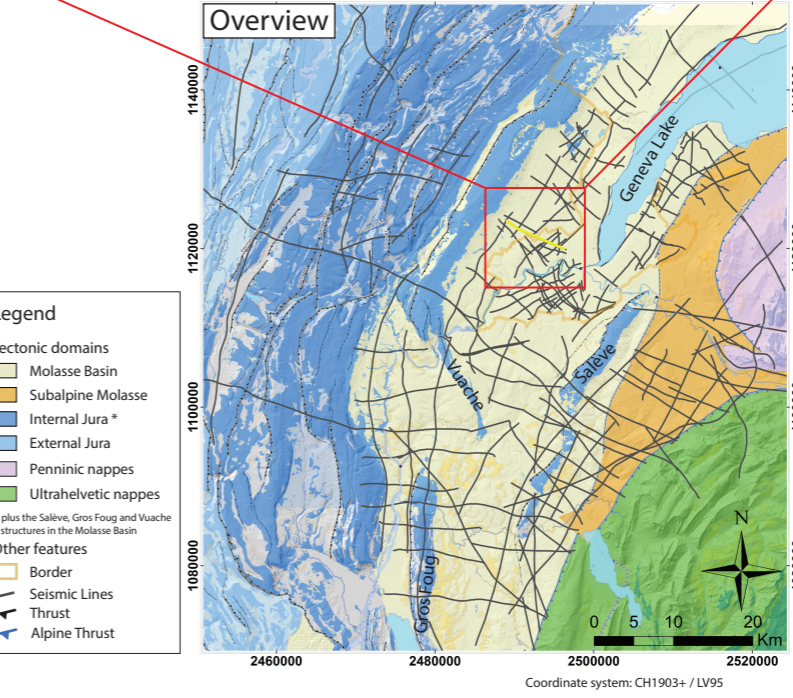
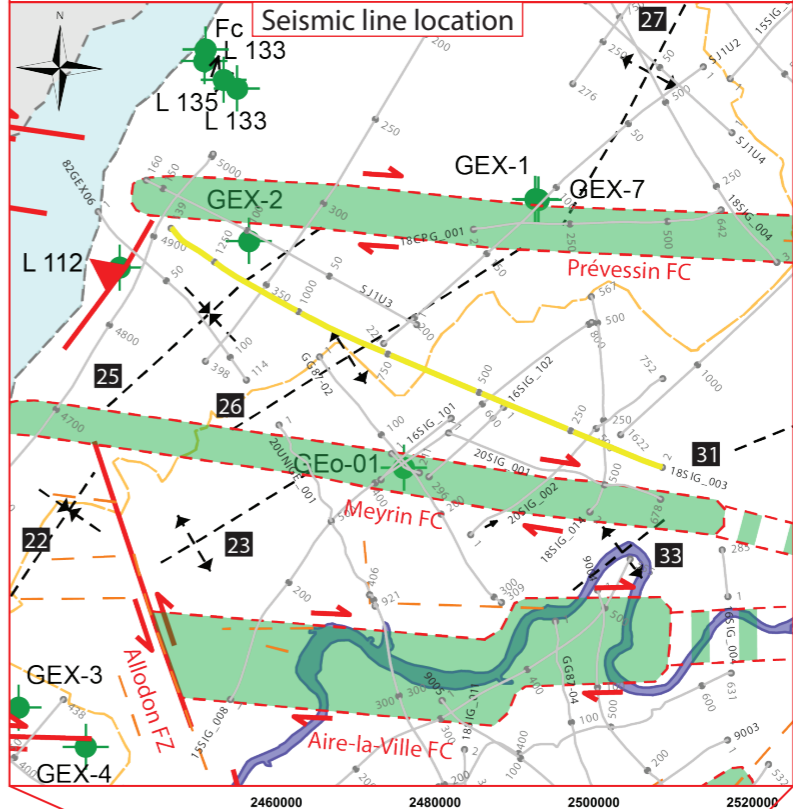
- 22 CERN Syncline
- 23 Chouilly Anticline
- 25 Saint - Genis Syncline
- 26 CERN Anticline
- 27 Ornex Anticline
- 31 Chambésy Anticline
- 33 Vernier Anticline

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

Abbreviations: FT: Frontal Thrust, FBT: Frontal Back Thrust, FZ: Fault Zone, FC: Fault Corridor

Scale: 0 km 2



Structural Interpretation

- Correlated fault stick (with intersection cross with other surveys)
- Non-correlated fault stick
- Conceptual fault stick
- Basal décollement zone
- Fault corridor boundary
- Major dip change line
- Fold axial surface

- Displacement vector pointing towards the observer
 - Displacement vector pointing away from the observer
 - Displacement vector during Cenozoic
 - Displacement vector during Jurassic
- Stratigraphic Interpretation**
- Horizon well defined
 - Horizon poorly defined / intra Paleozoic reflections / near Base Quaternary model (GESDEC)
 - Horizons TWT at line intersections
 - Projected perpendicular to the seismic line

Well abbreviation (Map and section)

- GEO-01 GEO-01
- Gex CD-01 GEX-1
- Gex CD-02 GEX-2
- Gex CD-03 GEX-3
- Gex CD-04 GEX-4
- Gex CD-07 GEX-7

Well stratigraphy

- Cenozoic & Quaternary
- Cretaceous

Other abbreviations

- Trace
- FZ Seismic trace
- FC Fault zone
- TWT Fault corridor
- proj.s 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

Seismic facies (SF) (see chap 4.2.)

- Unit.SFx (seismic facies name)
- Geometrical bedform and termination pattern

Legend

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