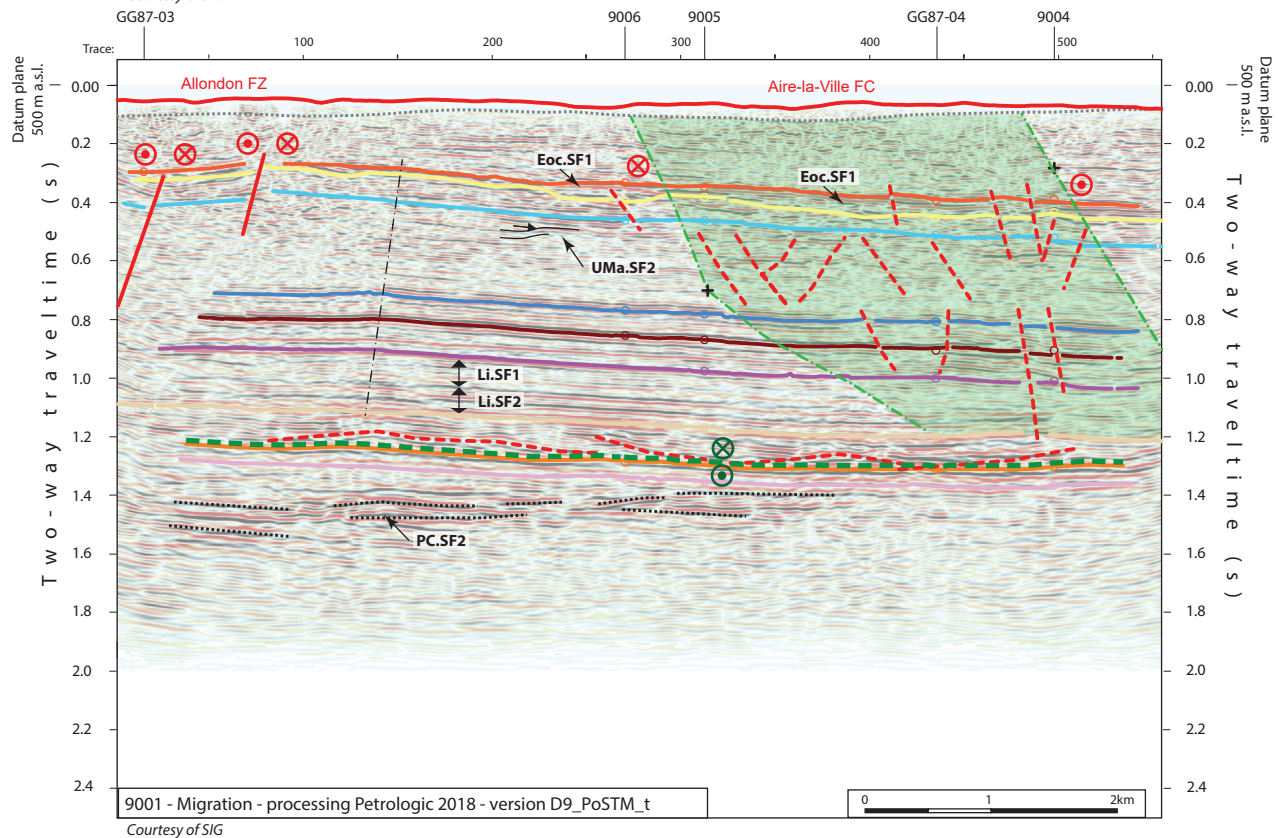
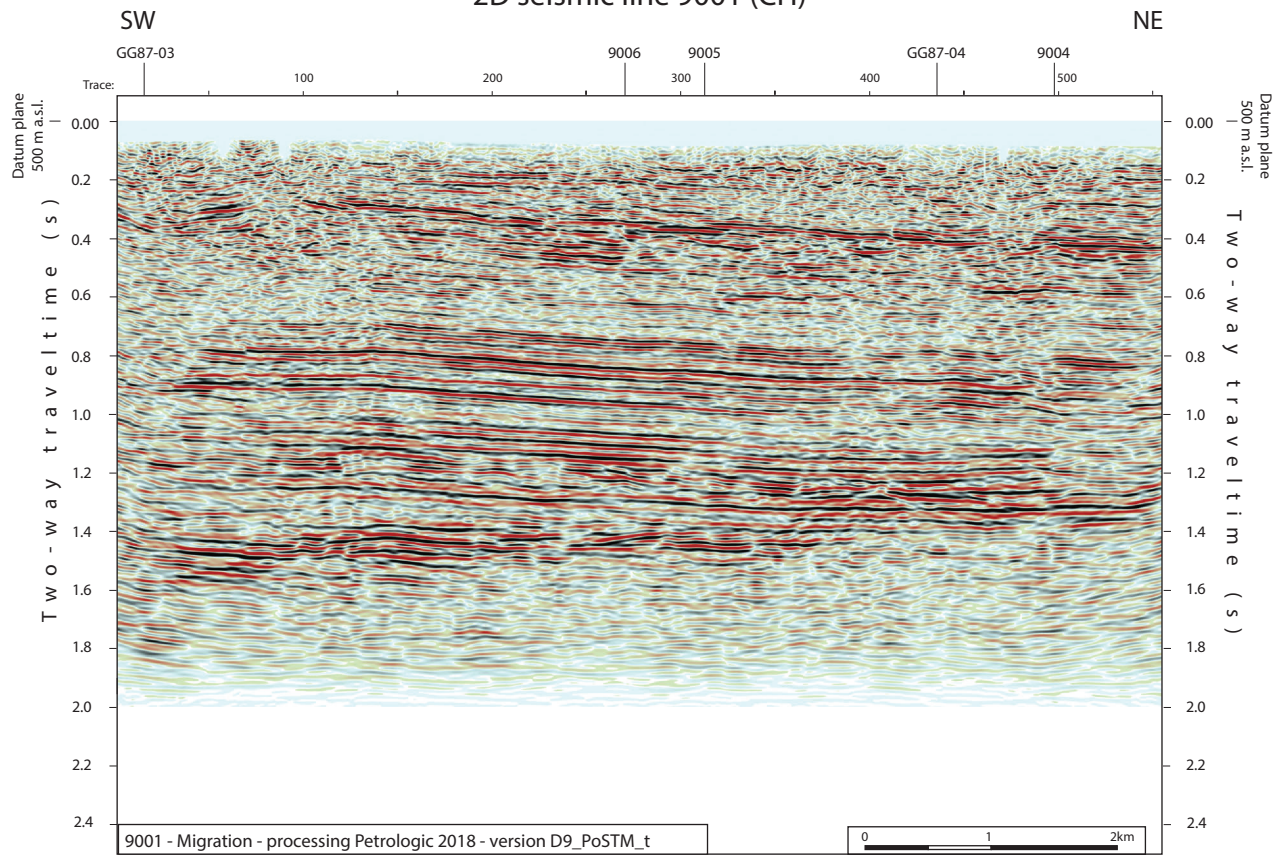


2D seismic line 9001 (CH)



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
GEO-02	GEO-02
GEX-03	GEX-3
GEX-04	GEX-4

Seismic facies (SF) (see chap 4.2.)

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

Other abbreviations

FZ	Seismic trace
FC	Fault corridor
TWT	Two way traveltime
proj.s	Projected 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
Eoc	Eocene
SF	Seismic facies (see chap 4.2)

**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**

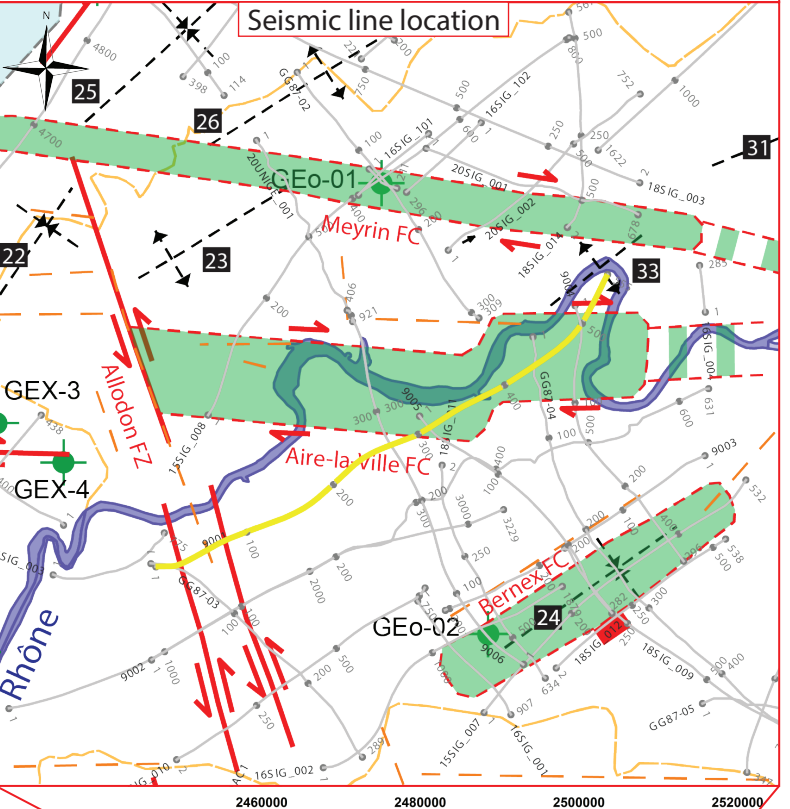
- 22** CERN Anticline
- 23** Chouilly Anticline
- 24** Bernex Syncline
- 25** Saint - Genis Syncline
- 26** CERN Anticline
- 31** Chambésy Anticline
- 33** Vernier Anticline

**Areas**

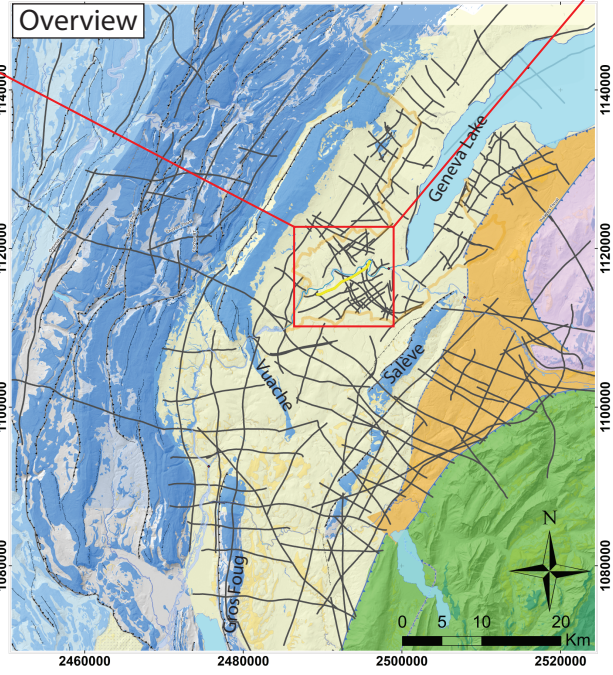
- Molasse Basin (Quaternary or Molasse outcrops)
- Mesozoic outcrops
- Cretaceous outcrops at the boundary between the Molasse Basin and the Jura fold and Thrust Belt

**FT: Frontal Thrust**  
**FBT: Frontal Back Thrust**  
**FZ: Fault Zone**  
**FC: Fault Corridor**

Scale: 0 km 2



- Topo
- nBQ
- InCen
- nBCen
- nTUMa
- nTLMa
- nTDo
- nTLI
- nTKeu
- nTMus
- nBMes
- InPal



- Legend**
- Tectonic domains**
- Molasse Basin
  - Subalpine Molasse
  - Internal Jura \*
  - External Jura
  - Penninic nappes
  - Ultrahelvetic 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