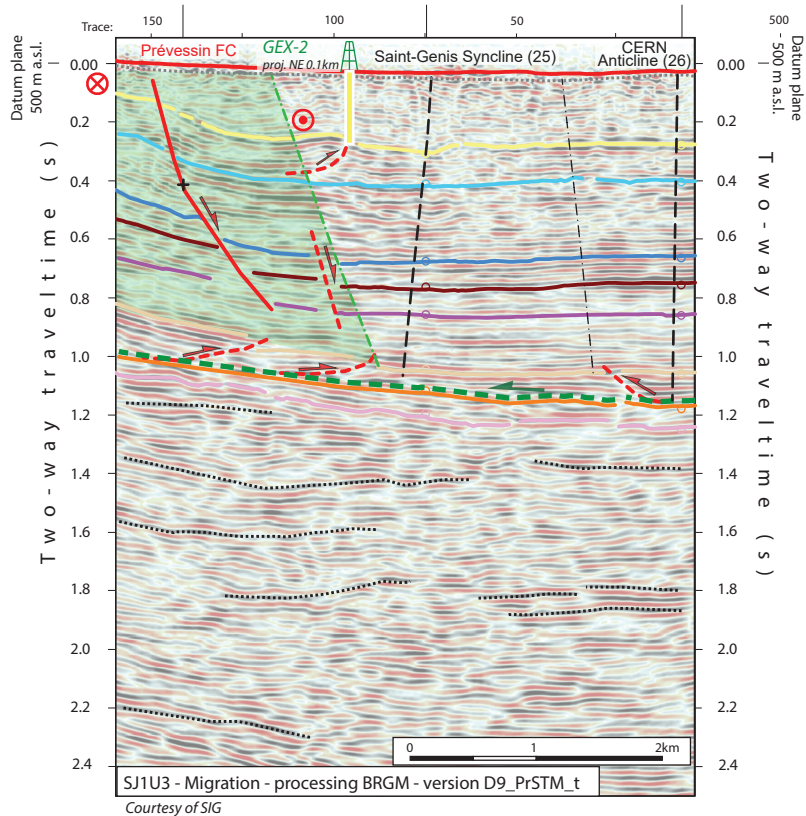
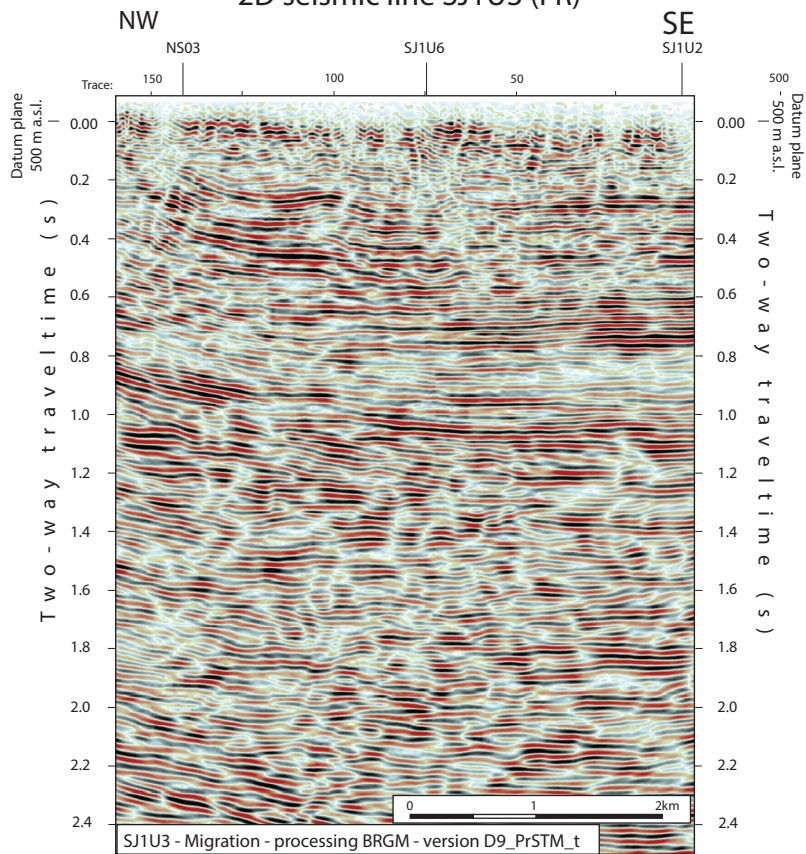


### 2D seismic line SJ1U3 (FR)



**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)

**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**

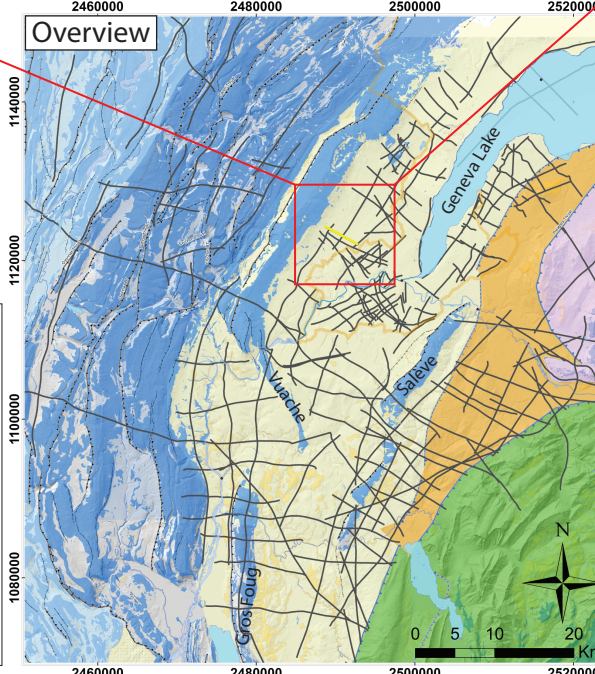
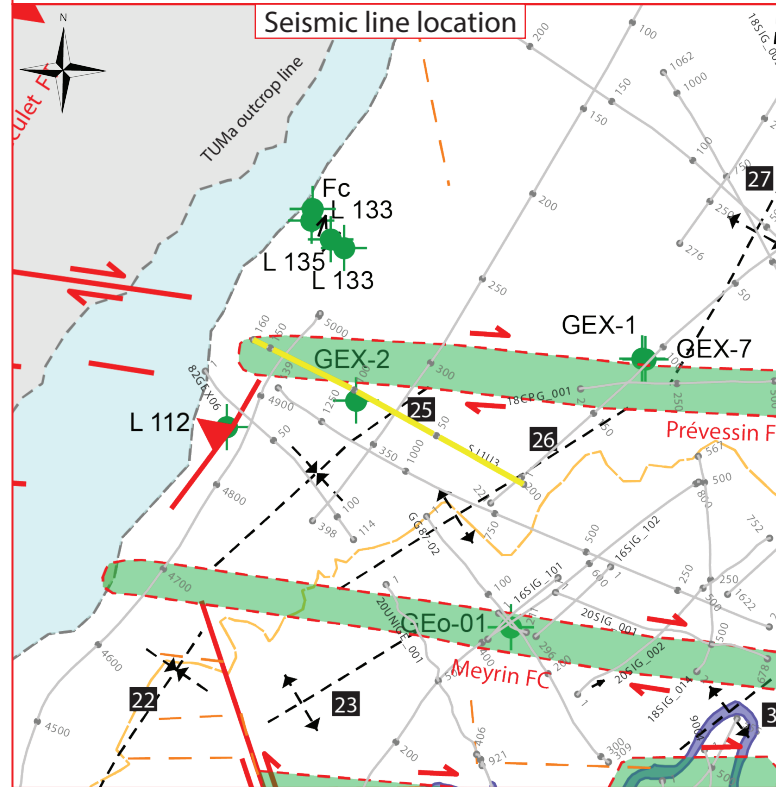
- 22 CERN Syncline
- 23 Chouilly Anticline
- 25 Saint - Genis Syncline
- 26 CERN Anticline
- 27 Ornex Anticline
- 33 Vernier Anticline

**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

**Legend**

- Topo
- nBQ
- nBCen
- nTUMa
- nTLMa
- nTDo
- nTLi
- nTKeu
- nTMus
- nBMes
- InPal



#### 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
- 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)**
- |           |        |
|-----------|--------|
| Crozet    | Fc     |
| GEO-01    | GEO-01 |
| Gex CD-01 | GEX-1  |
| Gex CD-02 | GEX-2  |
| Gex CD-07 | GEX-7  |
| L 112     | L 112  |
| L 132     | L 133  |
| L 135     | L 135  |
- Well stratigraphy**
- Cenozoic & Quaternary
  - Cretaceous

- 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    |

- 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