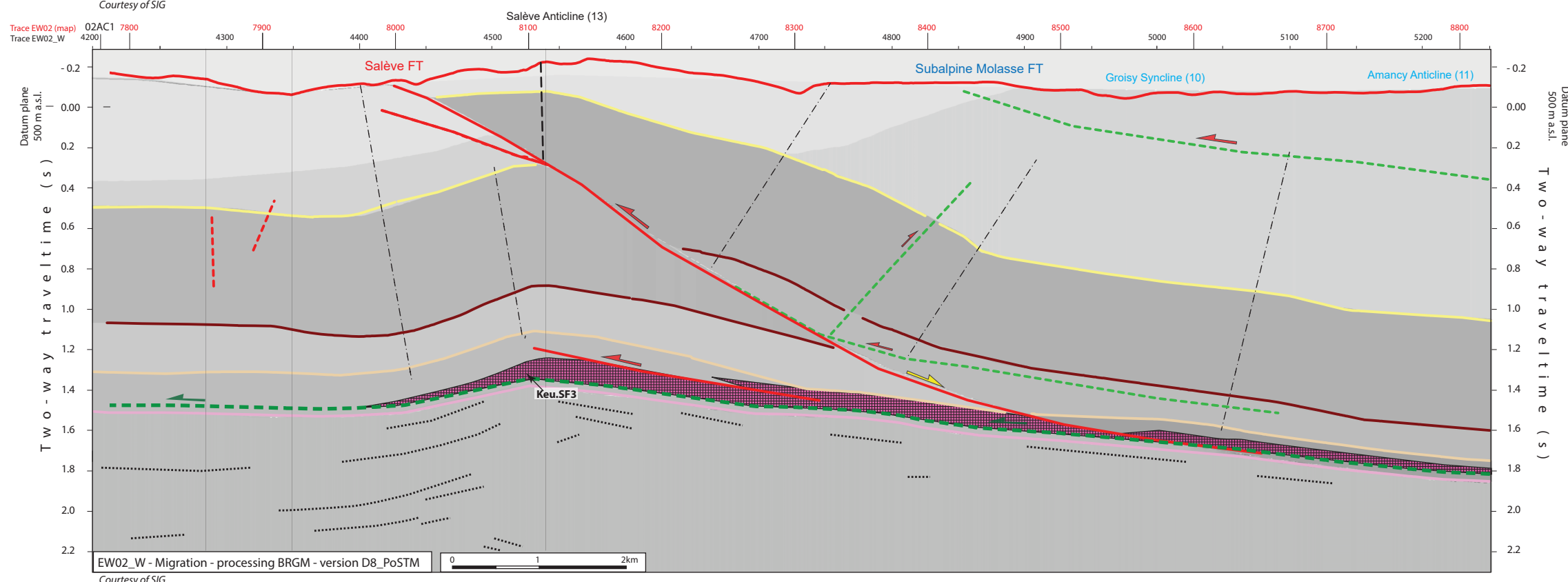
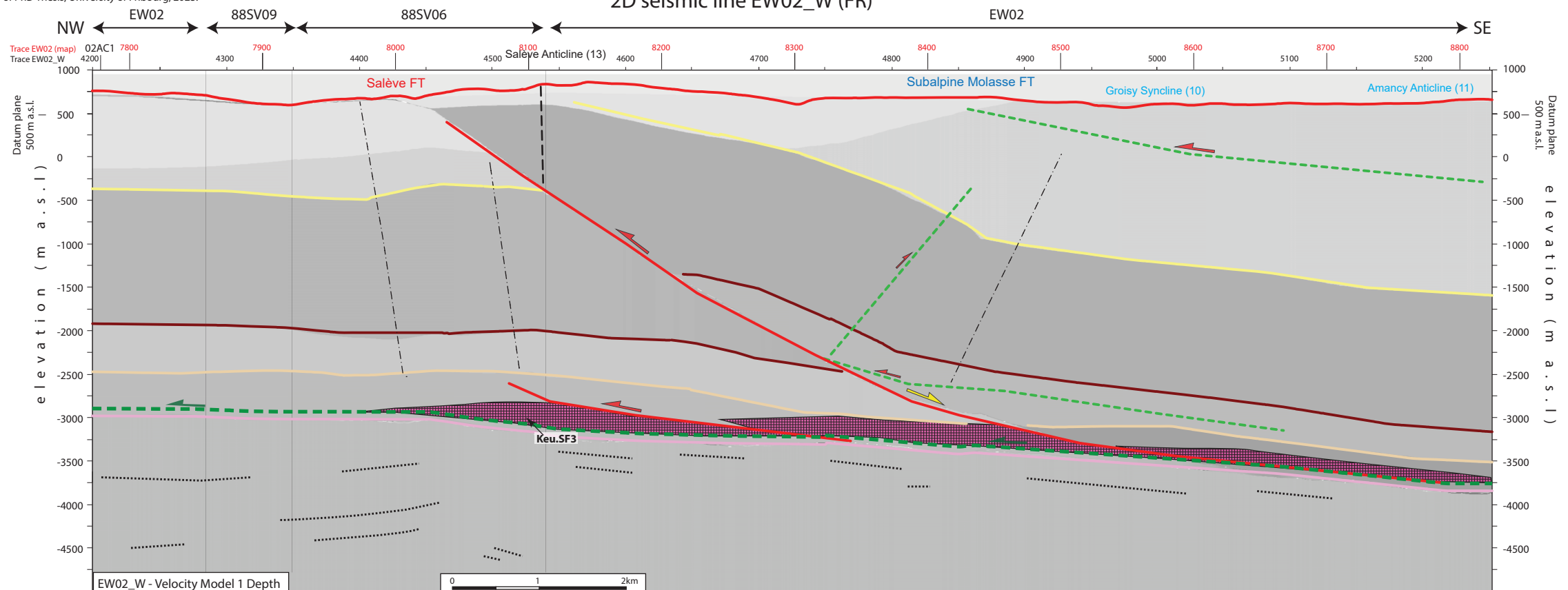


2D seismic line EW02\_W (FR)



**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**

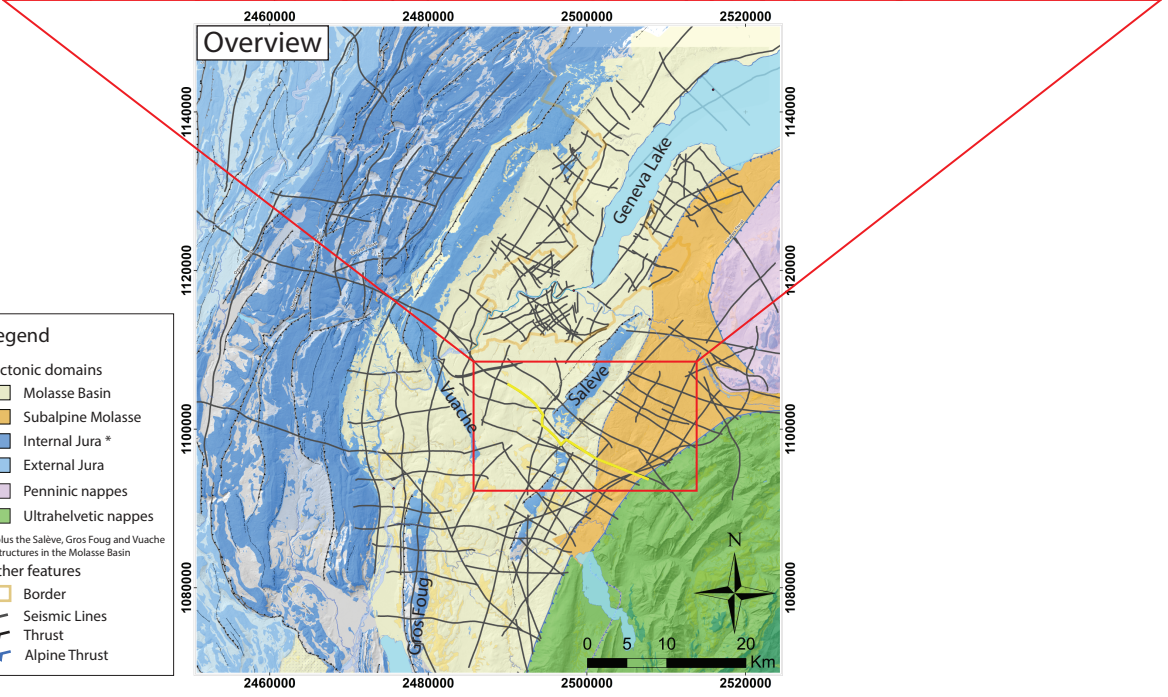
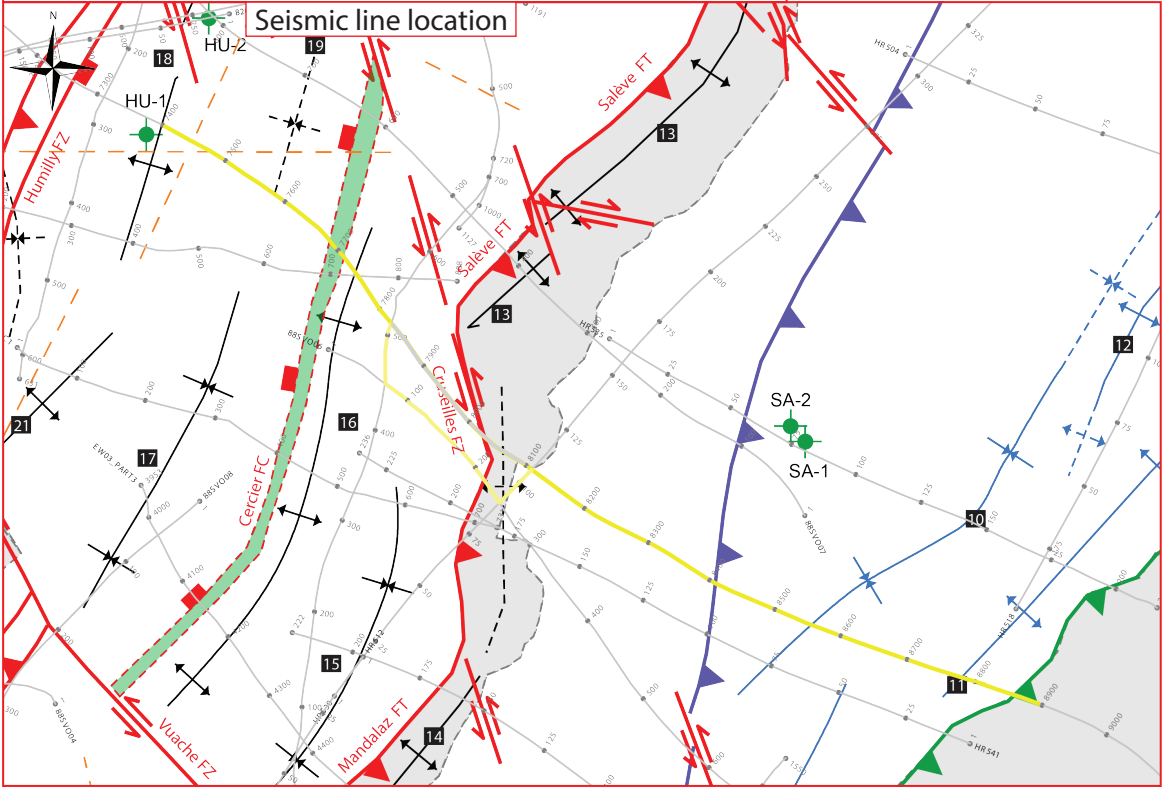
- Seismic lines with trace numbers
- Interpreted seismic lines (left)
- Geomorphologic lineaments
- Wells
- Frontier CH-FR

**Fold Names**

- 10 Groisy Syncline
- 11 Amancy Anticline
- 12 Etaux Anticline
- 13 Salève Anticline
- 14 Mandalez Anticline
- 15 Choisy Syncline
- 16 Cercier Anticline
- 17 Marlioz Syncline
- 18 Humilly Anticline
- 19 Cortenges Syncline
- 21 Minzier Anticline
- 24 Bernex 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



- 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

- 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)**
- |           |         |
|-----------|---------|
| Humilly-1 | HU-1    |
| Humilly-2 | HU-2    |
| Salève-1  | SA-1    |
| Salève-2  | SA-2vvv |
- Seismic facies (SF) (see chap 4.2.)**
- Unit.SFx (seismic facies name)
  - Keu.SF3 (likely haalite dominated layer)

- 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    |

**Interval Velocities of Model 1 GVA Molasse Basin NW of Salève FT**

3000 m/s	Replacement Vint
3300 m/s	Upper Cenozoic
4000 m/s	Lower Cenozoic
5340 m/s	Cretaceous + Malm
4520 m/s	Dogger+ Lias
5101 m/s	Triassic
5000 m/s	Paleozoic

**Interval Velocities of Model 1 Subalpine Molasse area SE of Salève FT**

3000 m/s	Replacement Vint
3300 m/s	Upper Cenozoic
3918 m/s	Lower Cenozoic
5617 m/s	Cretaceous + Malm
5132 m/s	Dogger+ Lias
6302 m/s	Triassic
5000 m/s	Paleozoic

- Legend**
- Tectonic domains
    - Molasse Basin
    - Subalpine Molasse
    - Internal Jura \*
    - External Jura
    - Penninic nappes
    - Ultrahelvetic nappes
  - Other features
    - Border
    - Seismic Lines
    - Thrust
    - Alpine Thrust