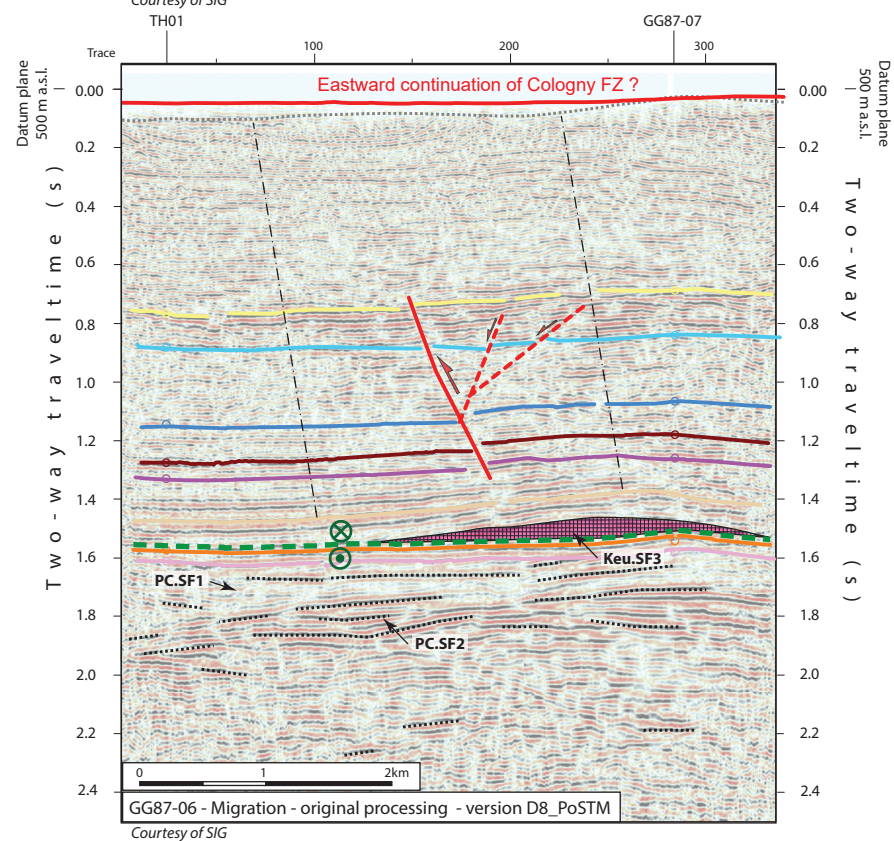
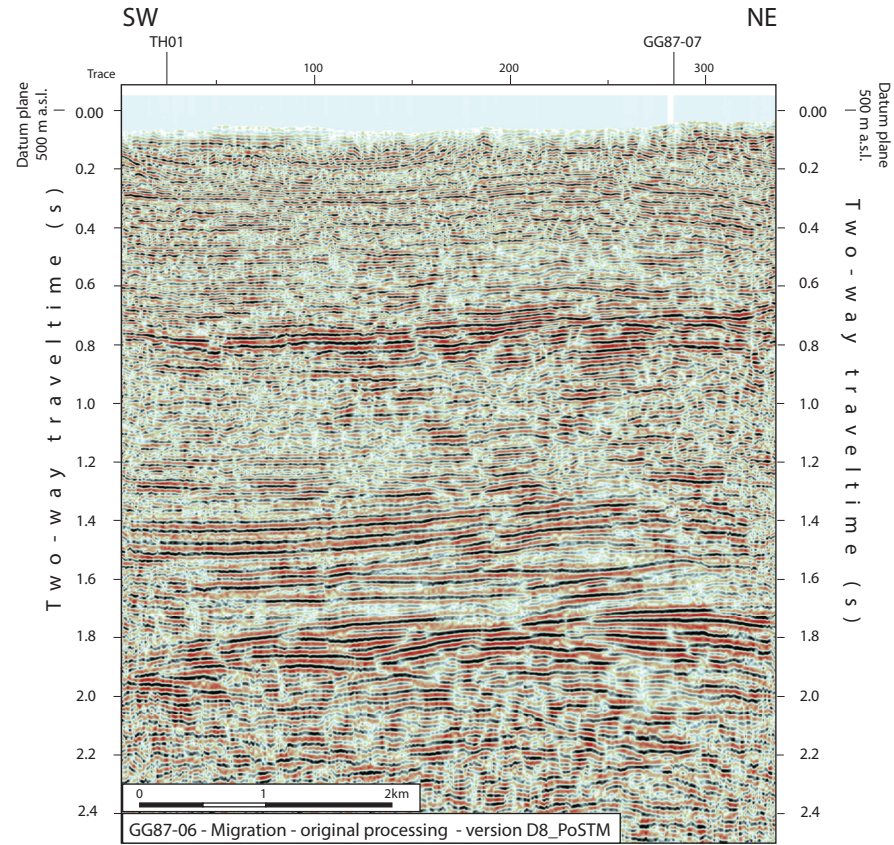


2D seismic line GG87-06 (CH)



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 on 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

- 32 Cologny Anticline
- 35 Thônex Syncline

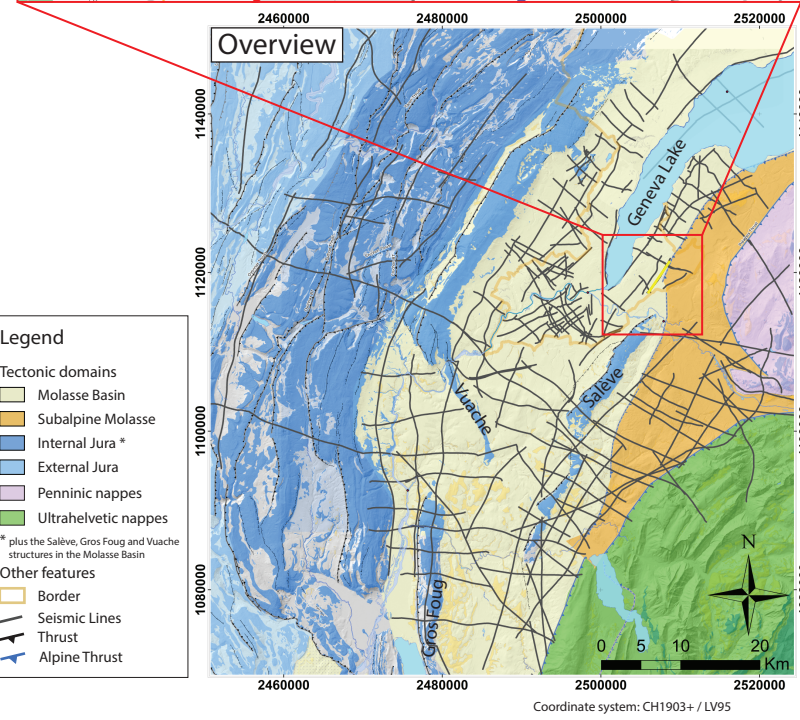
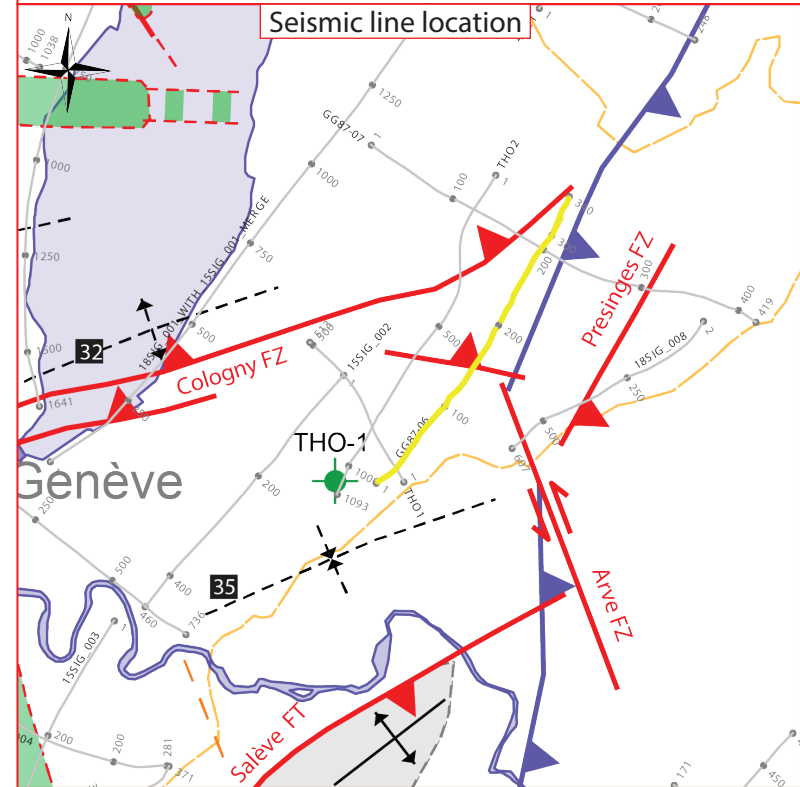
Areas

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

Legend for Faults:

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

Scale: 0 to 2 km



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)

- Thônex-1 THO-1
- Seismic facies (SF) (see chap 4.2.)**
- Unit.SFx (seismic facies name)
 - Keu.SF3 (likely haalite dominated layer)
 - Geometrical bedform and termination pattern

Other abbreviations

- Trace
- FZ Fault zone
- FC Fault corridor
- TWT Two way traveltime
- proj. Projected
- s Seconds
- nT near Top
- nB near Base
- 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