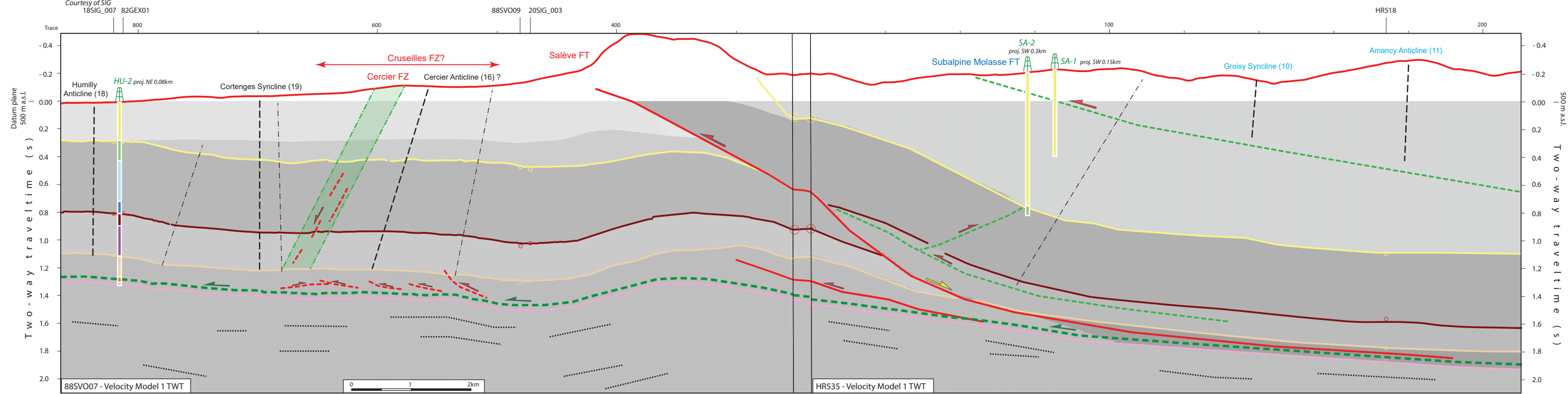
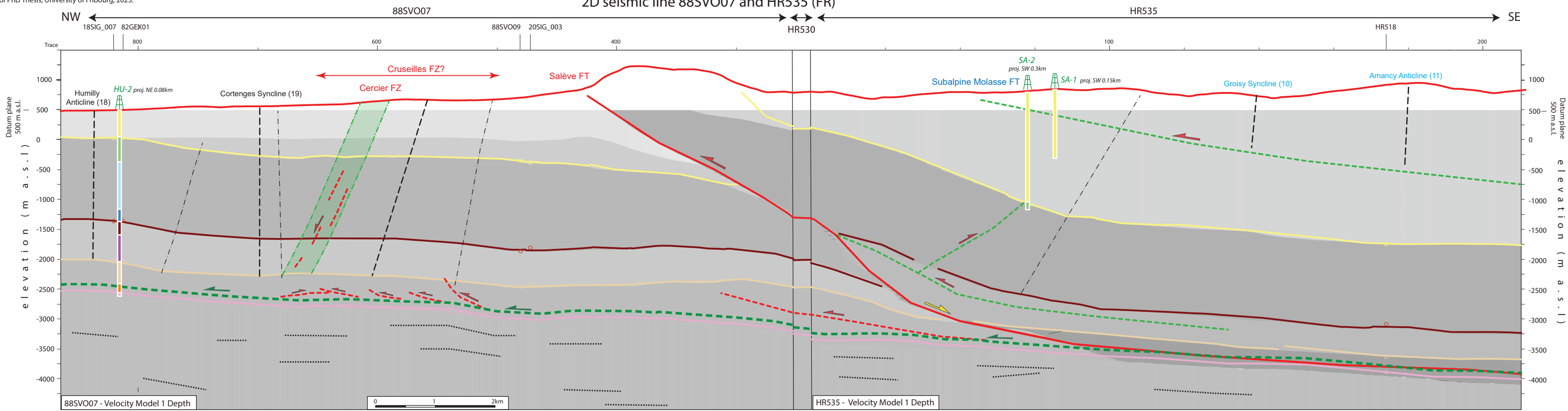


2D seismic line 88SVO07 and HR535 (FR)



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 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

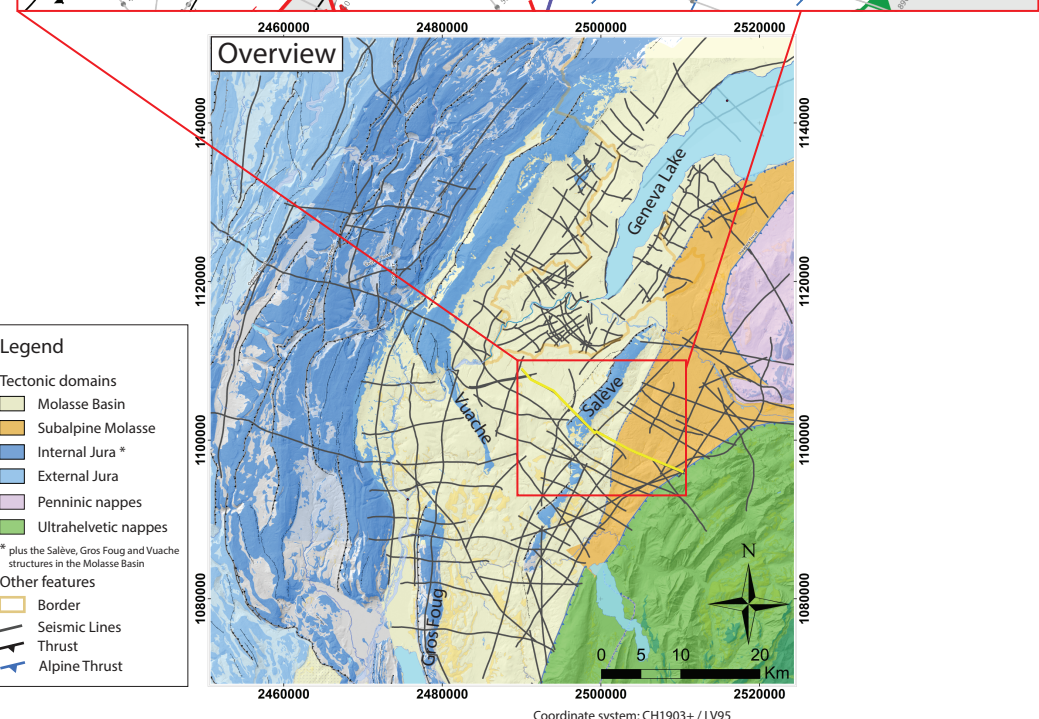
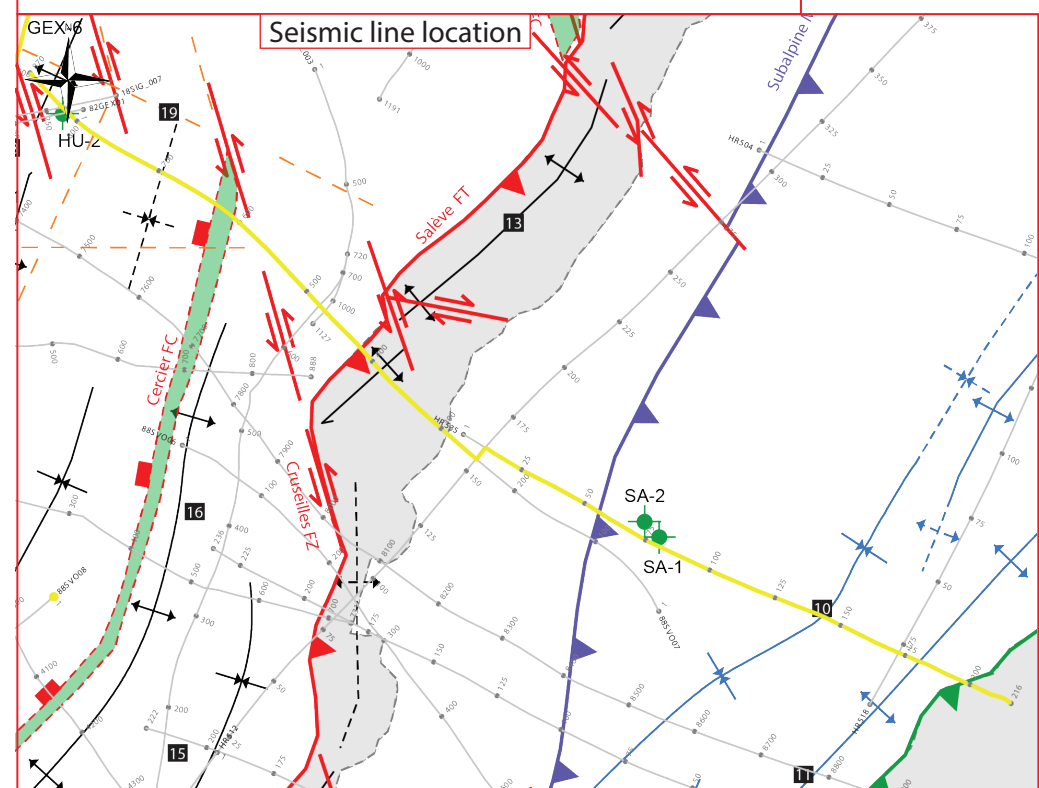
- 10 Groisy Syncline
- 11 Amancy Anticline
- 13 Salève Anticline
- 14 Mandalaz Anticline

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

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



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

- 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)

Salève-1 SA-1
 Salève-2 SA-2

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
 Cen Quaternary
 Q Cenozoic
 UMa Upper Malm
 LMa Lower Malm
 Do Dogger
 Li Lias
 Keu Keuper
 Mus Muschelkalk
 Mes Mesozoic
 InPal Intra Paleozoic

Well stratigraphy

- Cenozoic & Quaternary
- Lower Cenozoic (Eocene?)
- Cretaceous
- Upper Malm
- Lower Malm
- Dogger
- Liassic
- Keuper
- Muschelkalk
- 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

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
- Border
- Seismic Lines
- Thrust
- Alpine Thrust