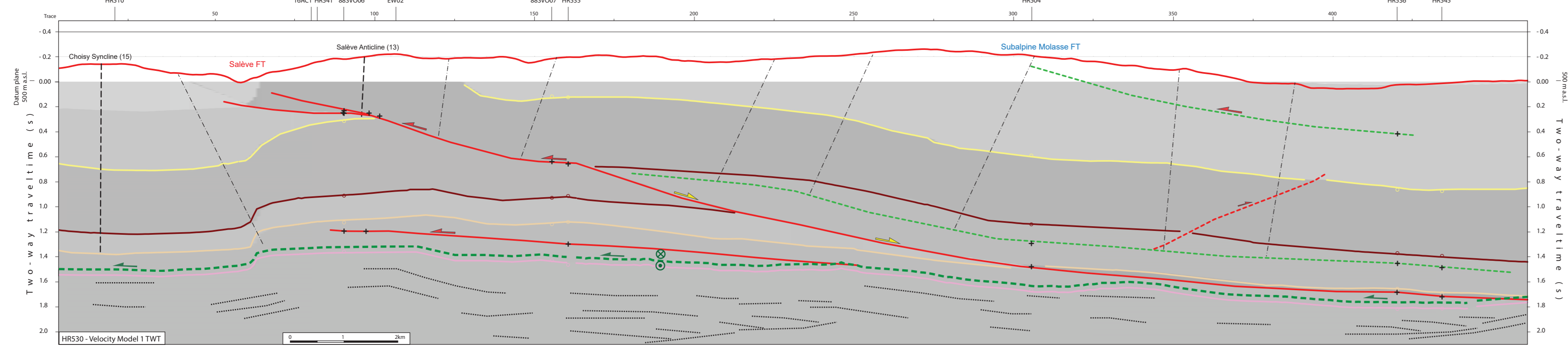
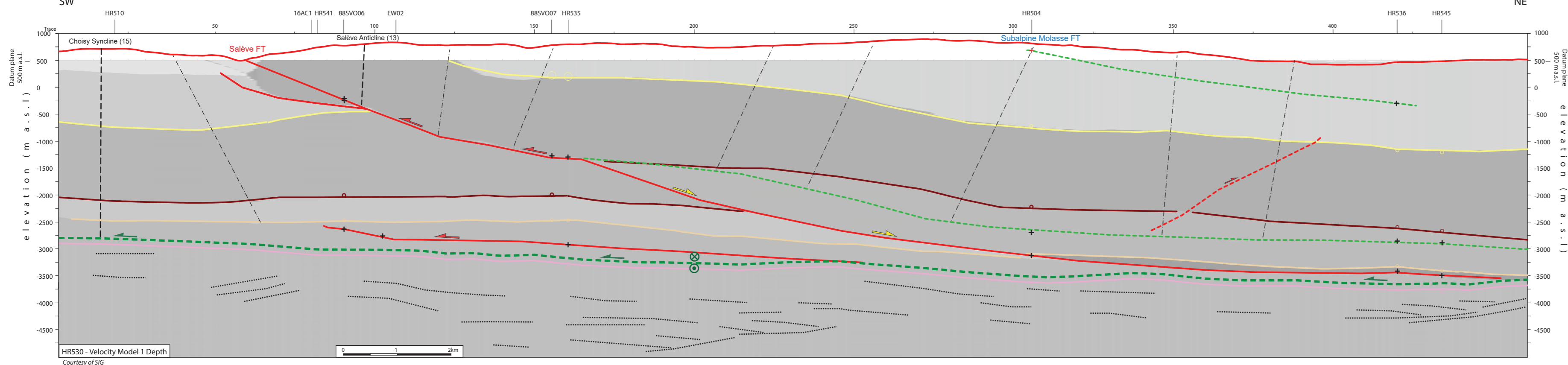


2D seismic line HR530 (FR)



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)

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
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		Subalpine Molasse area SE of Salève FT	
3000 m/s	Replacement Vint	3000 m/s	Replacement Vint
3300 m/s	Upper Cenozoic	3300 m/s	Upper Cenozoic
4000 m/s	Lower Cenozoic	3918 m/s	Lower Cenozoic
5340 m/s	Cretaceous + Malm	5617 m/s	Cretaceous + Malm
4520 m/s	Dogger+ Lias	5132 m/s	Dogger+ Lias
5101 m/s	Triassic	6302 m/s	Triassic
5000 m/s	Paleozoic	5000 m/s	Paleozoic

Folds in detached Mesozoic and Cenozoic sedimentary cover

- Anticline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Anticline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Anticline visible only 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

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

Fold Names

10	Groisy Syncline
11	Amancy Anticline
12	Etaux Anticline
13	Salève Anticline
14	Mandalaz Anticline
15	Choisy Syncline
16	Cercier Anticline
19	Cortenges Syncline
24	Bernex Syncline

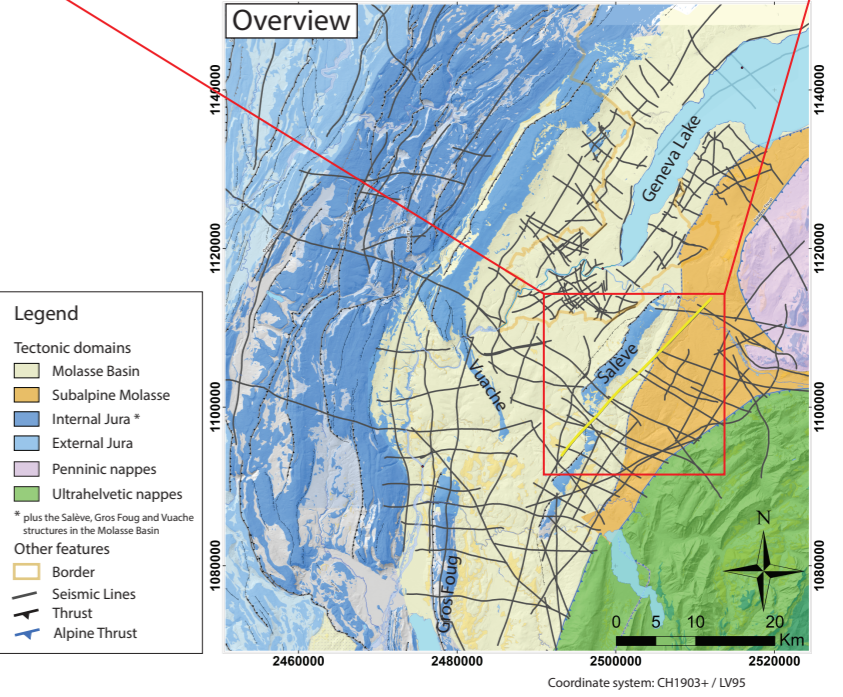
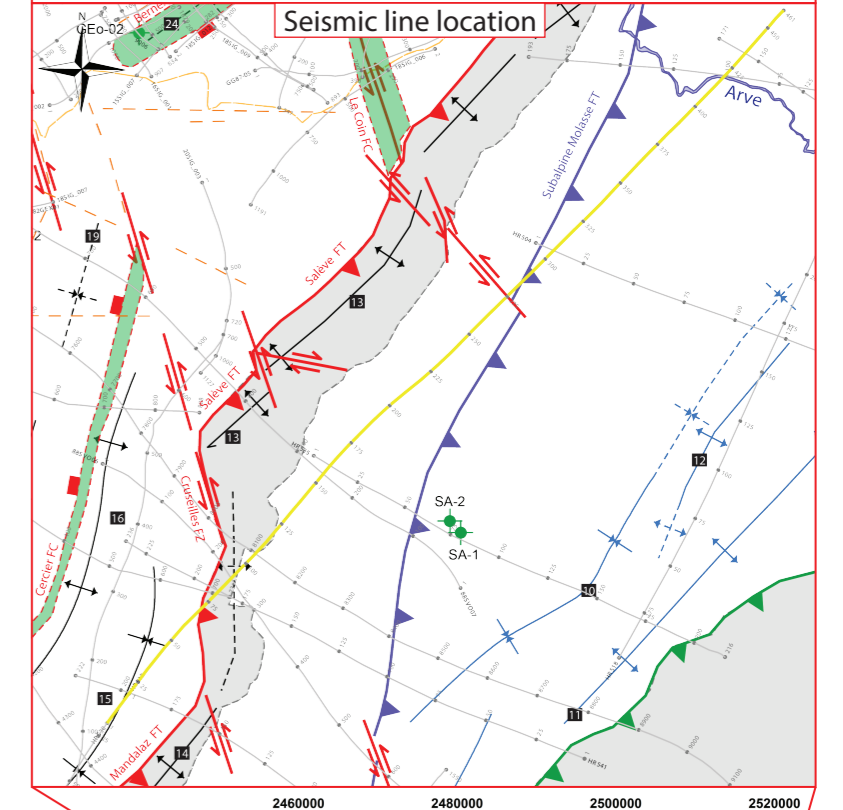
Areas

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

Other features

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

0 km 2



Legend

Tectonic domains

- Molasse Basin
- Subalpine Molasse
- Internal Jura *
- External Jura
- Penninic nappes
- Ultrahelvetic nappes

Other features

- Border
- Seismic Lines
- Thrust
- Alpine Thrust

Coordinate system: CH1903+ / LV95