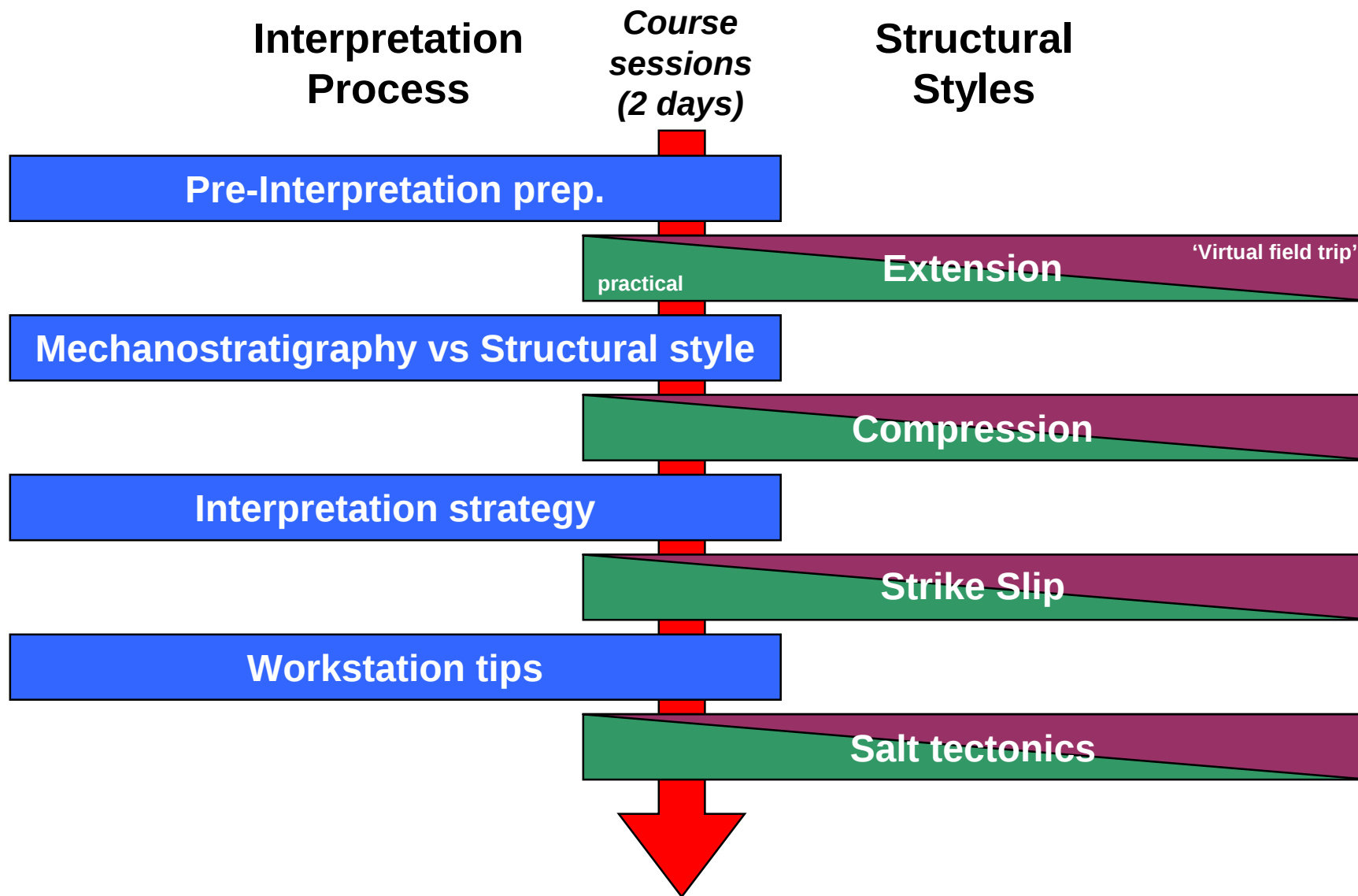


- Why structural interpretation is different from structure taught at college
- Structural styles from around the world
- Geophysics stripped out by variations in data quality, polarity, display etc
- Two themes:
 - Structural styles across tectonic spectrum via virtual excursions & hands-on
 - A structural interpretation process

Aim:

Enable quicker and more accurate structural interpretation of seismic

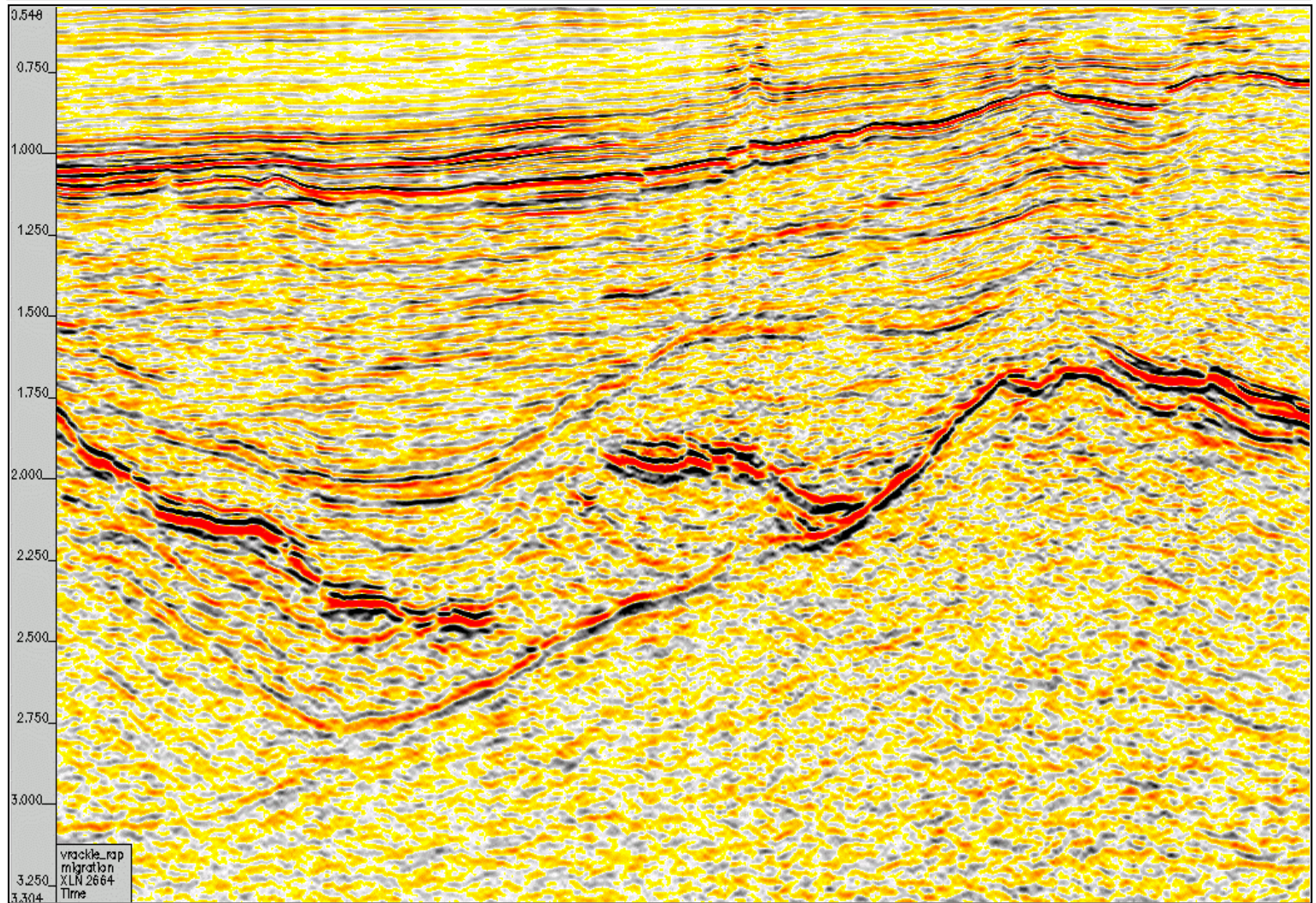


Enable quicker and more accurate structural interpretation of seismic

EXTENSIONAL FAULTS PRACTICAL 2

West of Shetlands, Vrackie
1 km $V = 2 H$

Structural Interpretation
of seismic data



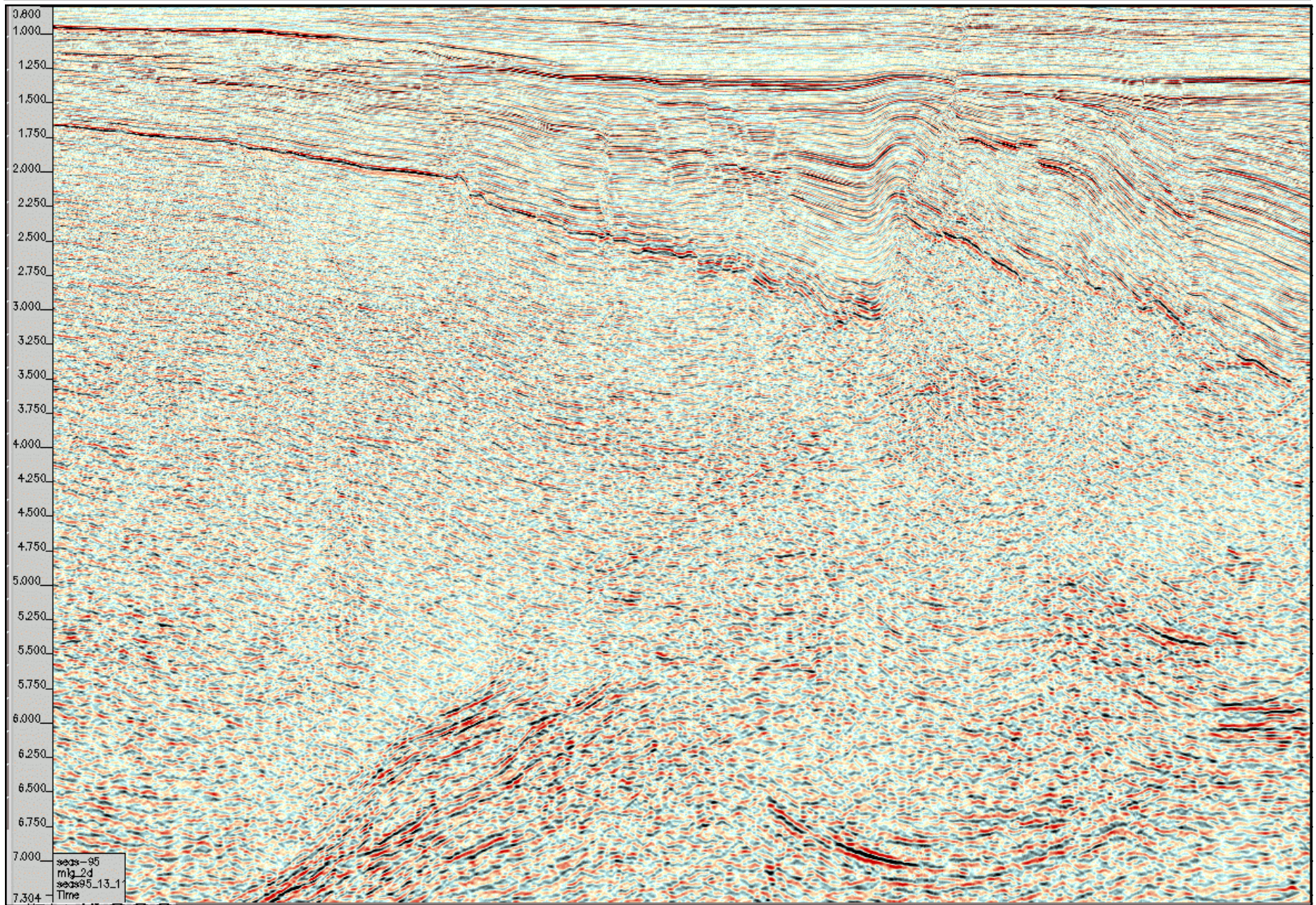
3D survey vrackie_rap xline 2664

File : geoscienceluk_expllmoray\structure course\Extension Practical 2.ppt

EXTENSIONAL FAULTS PRACTICAL 2

Malaysia
3 km
V = 2 H

Structural Interpretation
of seismic data

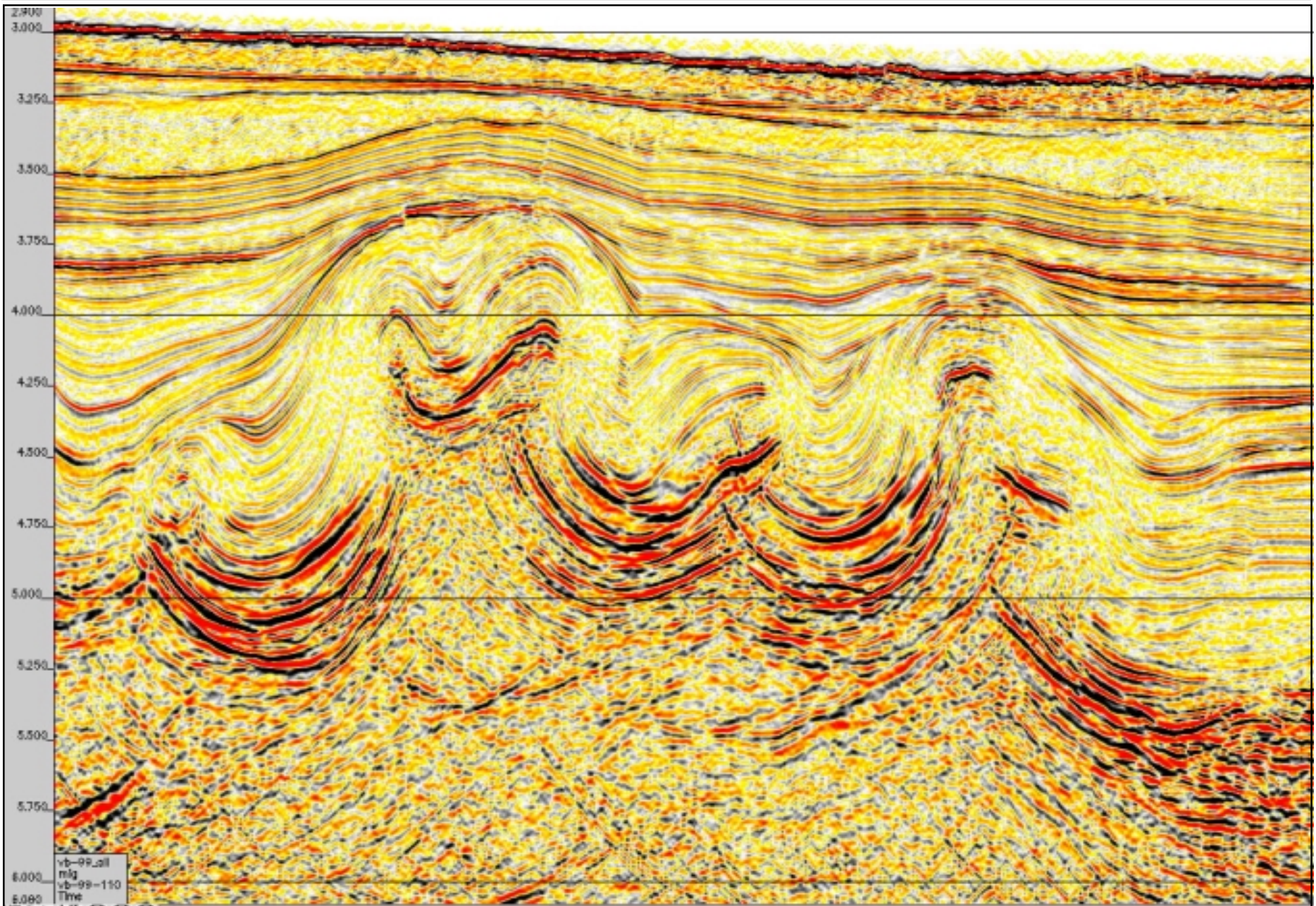


2D line seas95-13-11

THRUSTED FOLDS

Brazil, Samba area
1km V = 3 H

Structural Interpretation
of seismic data



2D line vb99-110

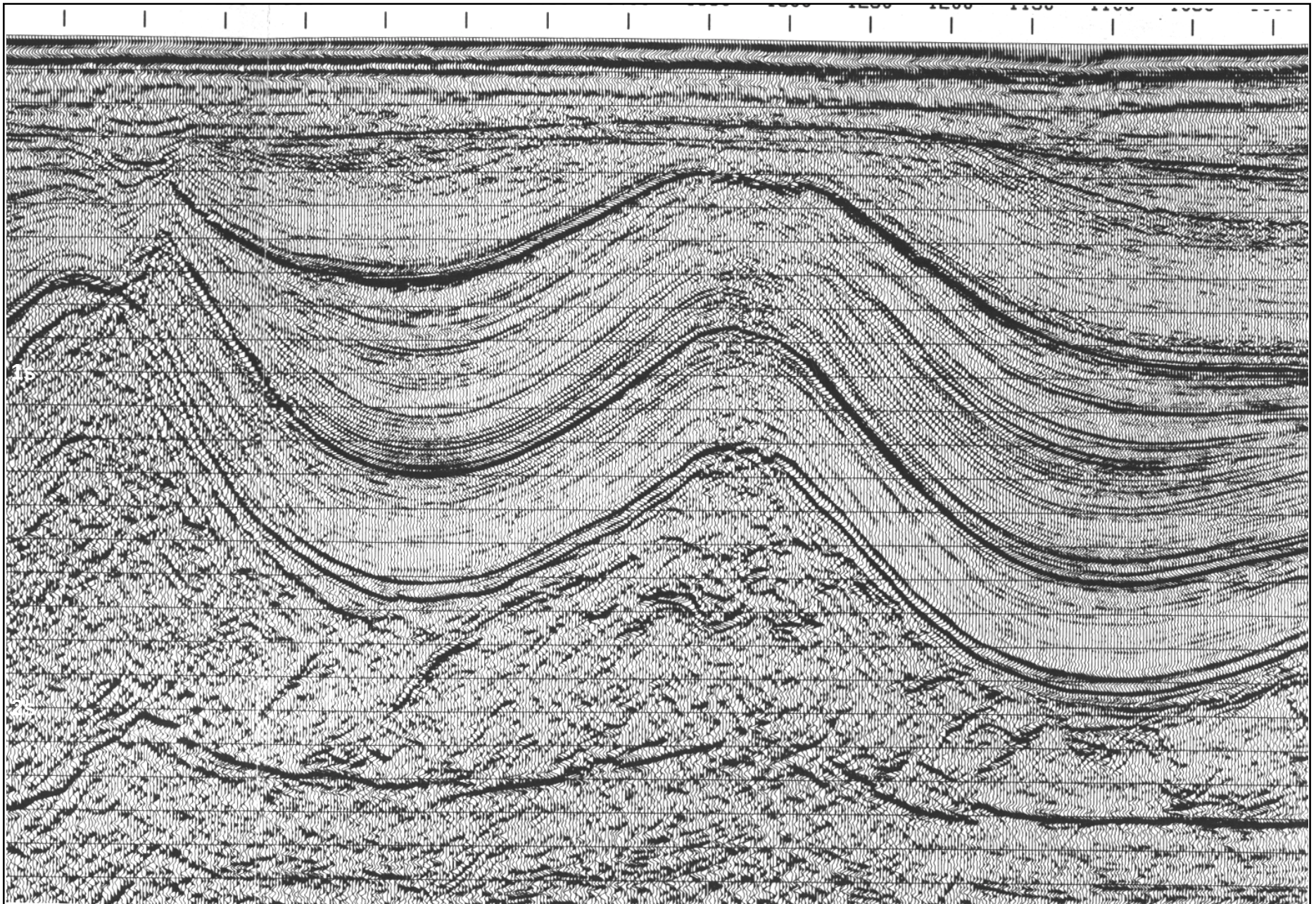
DETACHMENT FOLDS

Southern North Sea, Block 49/2

2km

$V = 2H$

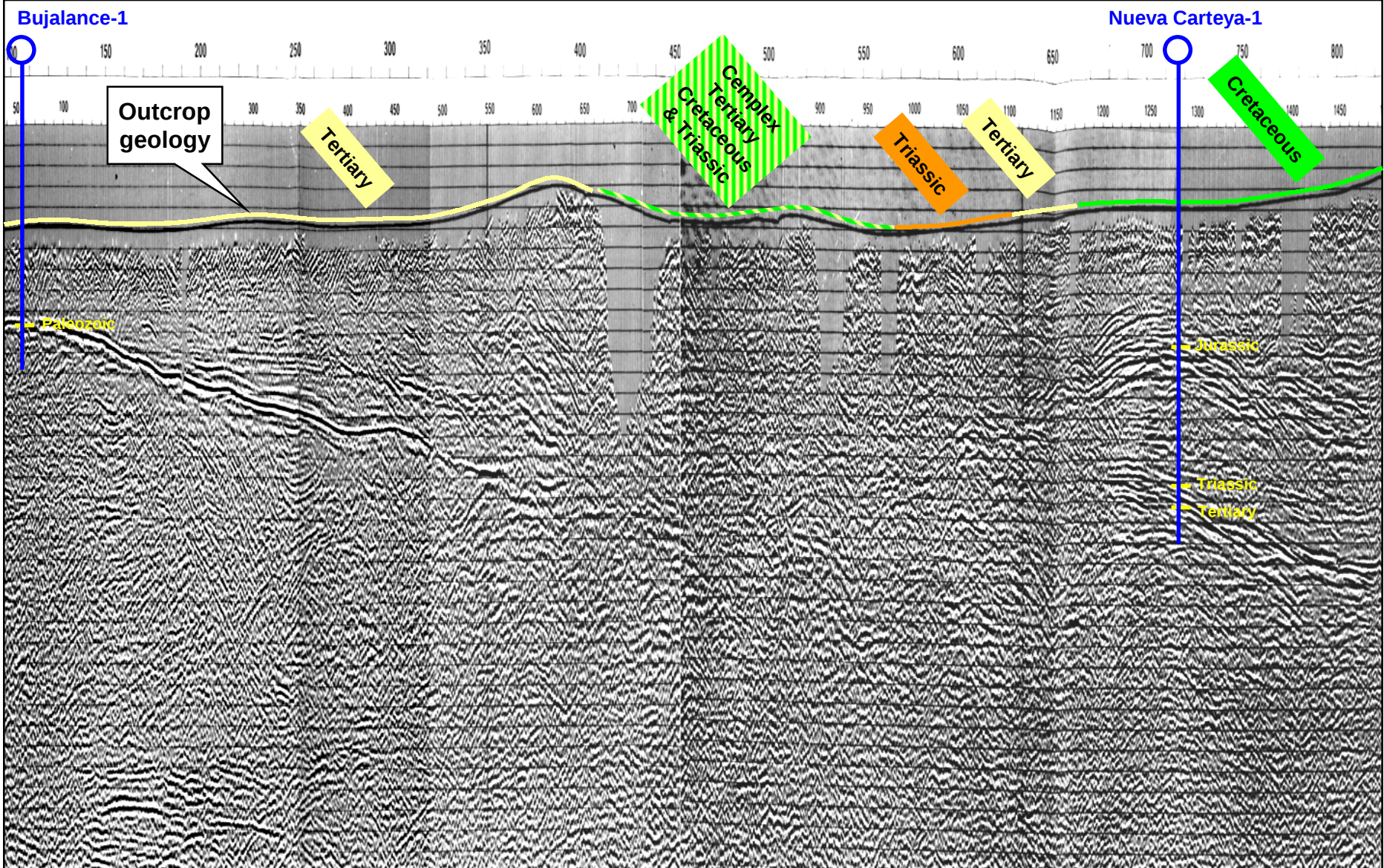
Structural Interpretation
of seismic data



INVERSION PRACTICAL

Betic Cordillera, Bujalance - Baena section
5 km V = 5 H

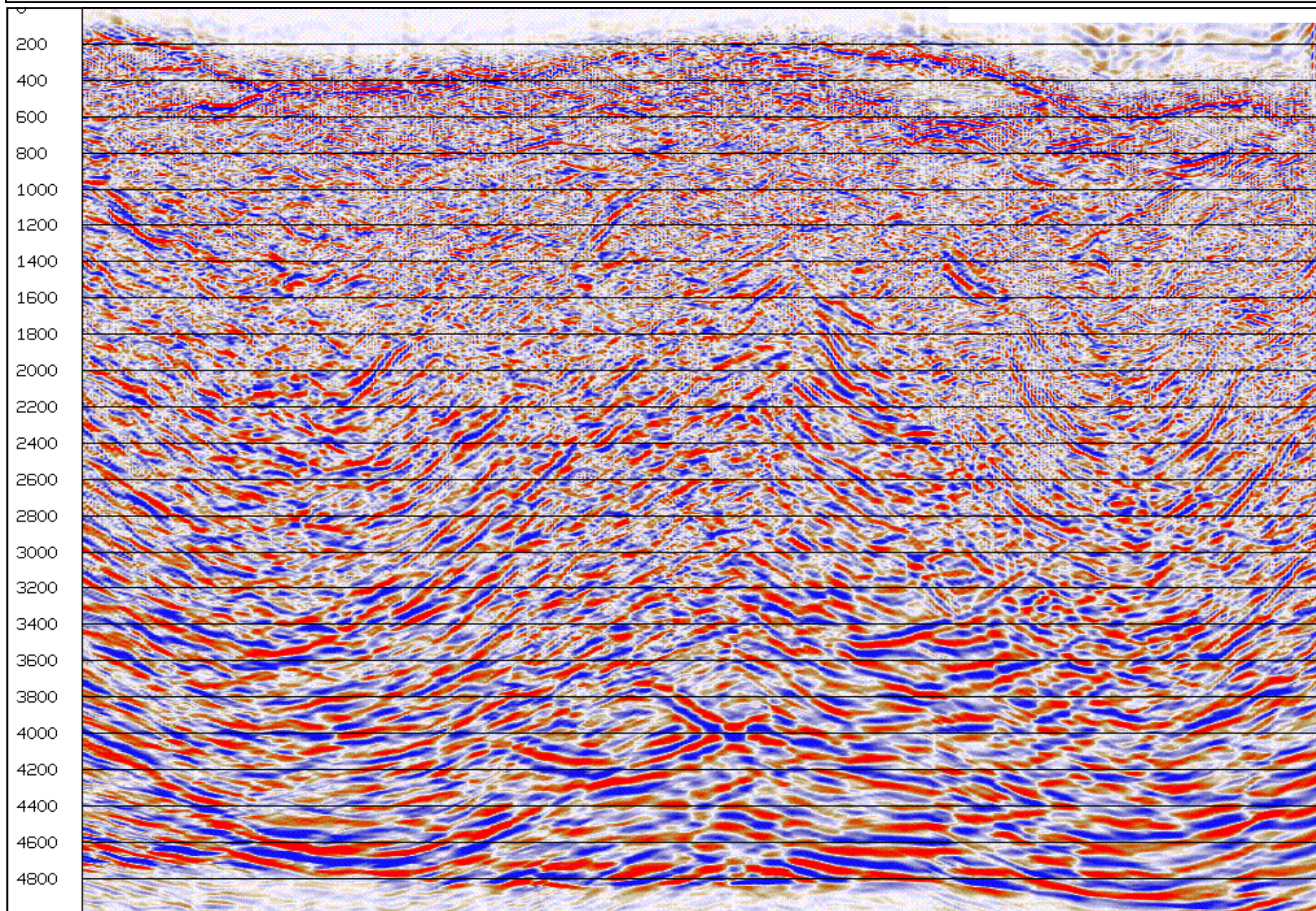
Structural Interpretation
of seismic data



THRUSTS

Indonesia, Seram
1 km V = 2 H

Structural Interpretation
of seismic data



STRIKE SLIP POP UP & PULL APART

Oman, Maradi Fault Zone

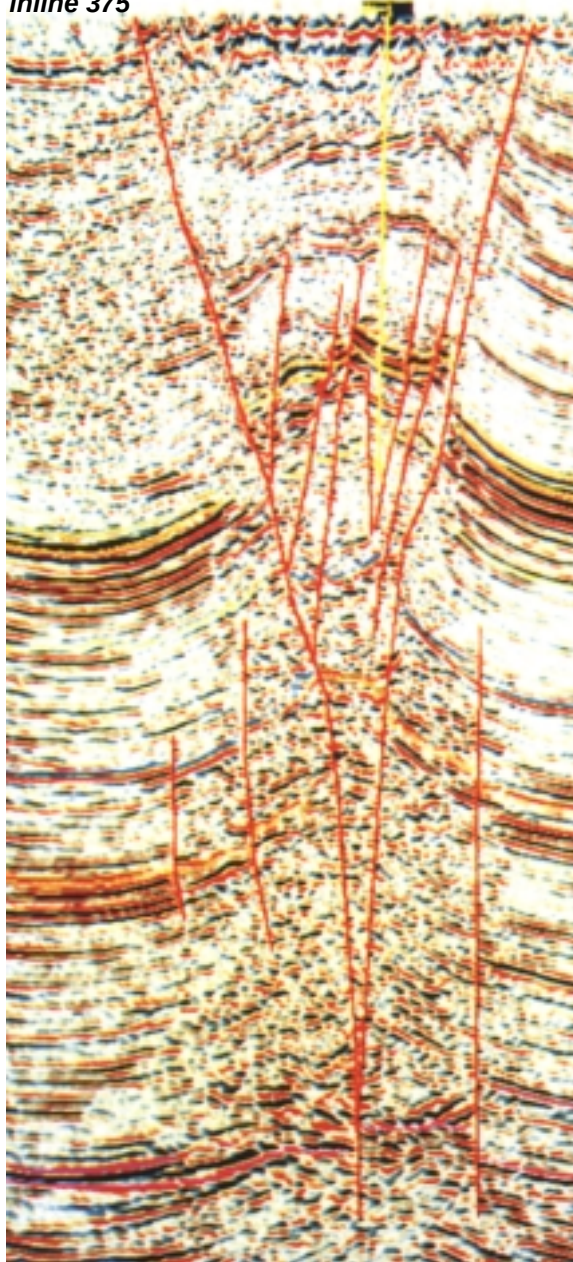
1 km

V = H

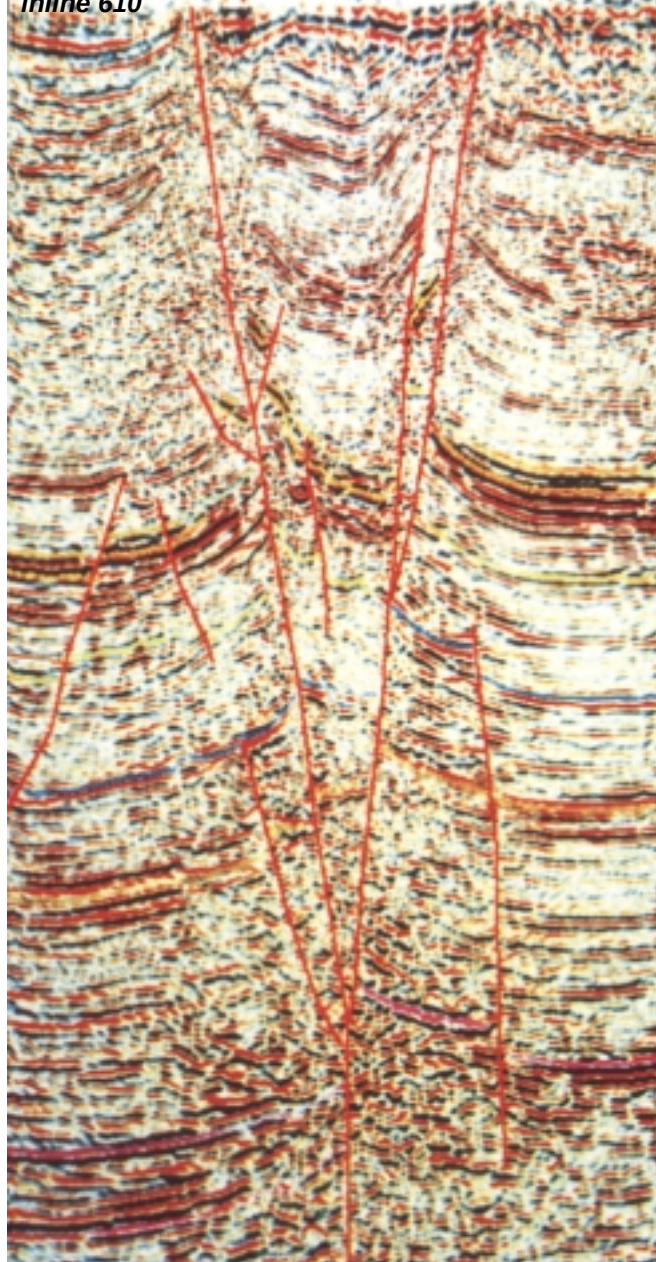
Structural Interpretation
of seismic data



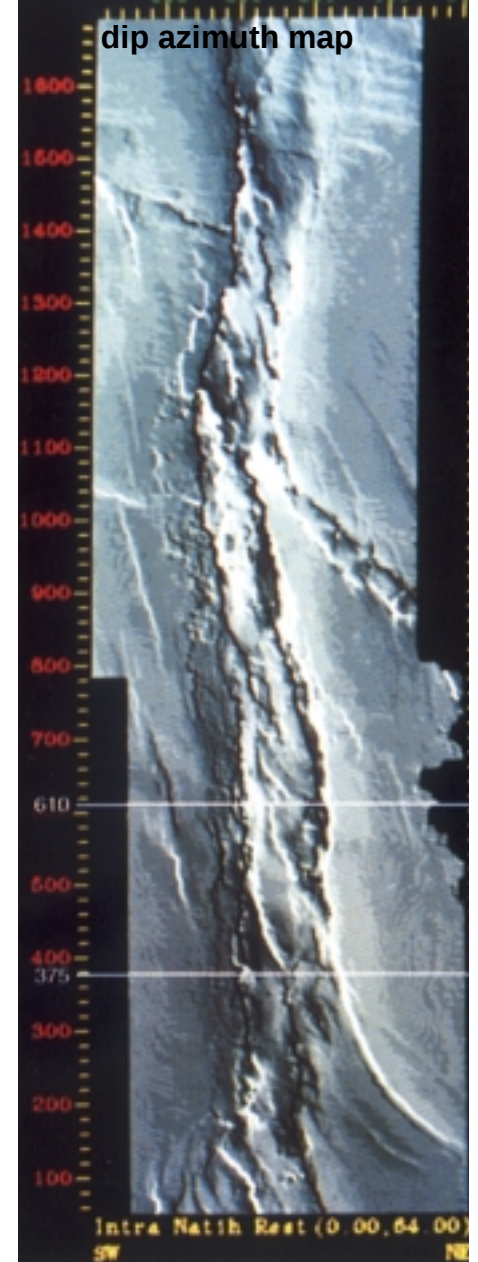
inline 375



inline 610



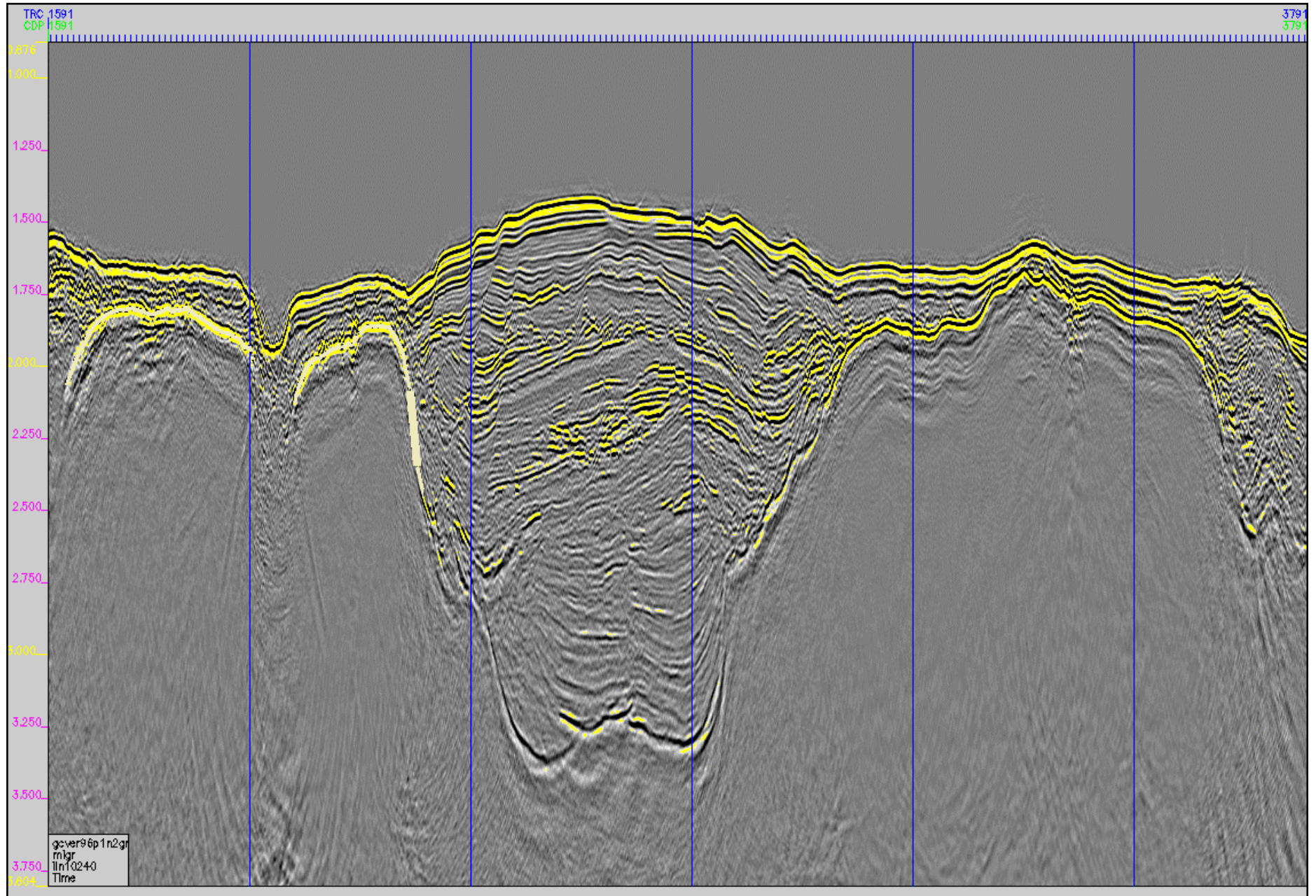
dip azimuth map



SALT - minibasin in thick salt

Gulf of Mexico
? km V = xH

Structural Interpretation
of seismic data



EXTREME INVERSION

Colombia, Eastern Cordillera
5 km
V = H

Structural Interpretation
of seismic data

