Deformation Rig for Domino Extensional Fault Systems

Fixed End Wall

Layered Sand Pack

Glass Side Walls

Moving End Wall

Fixed End Wall

Motor Driven Worm Screw

10 cm

Static Non-Rotating End Fault

Static Base Plate

**Trellis System**

1 2 3 4
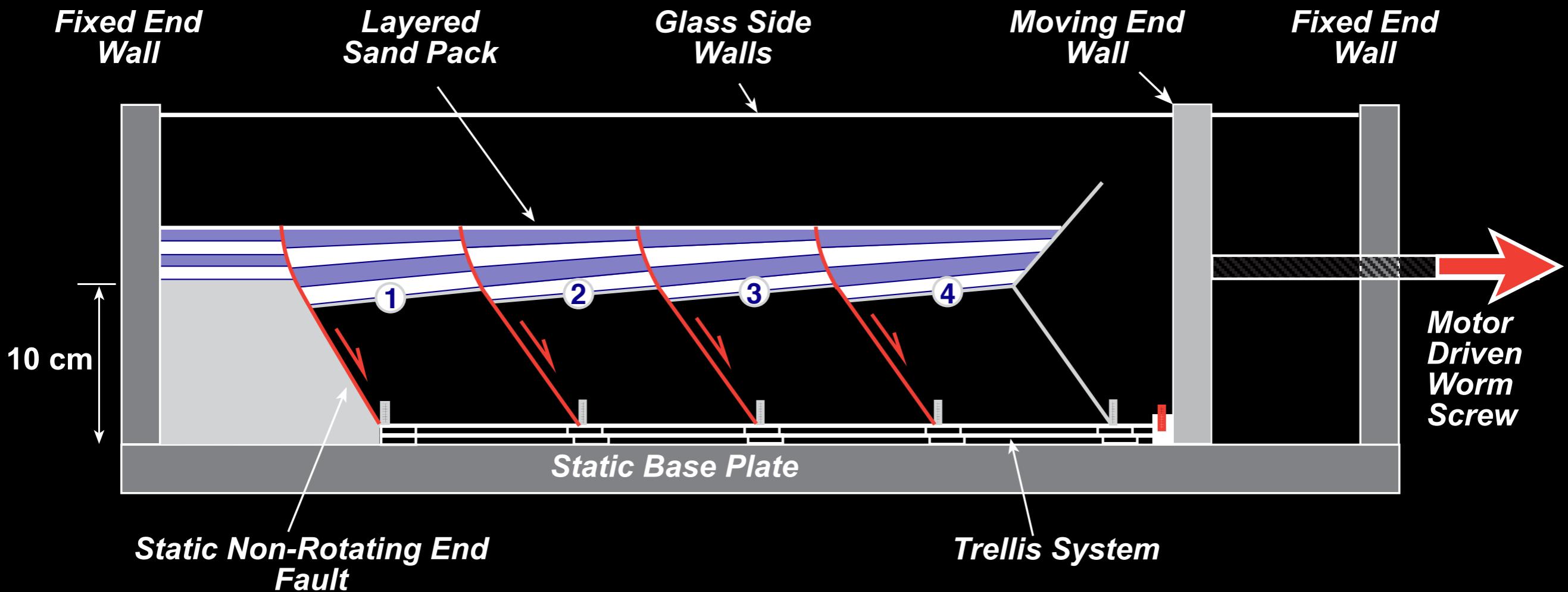
# Domino Extensional Fault System - One Phase

a. End Photo 10 cm extension
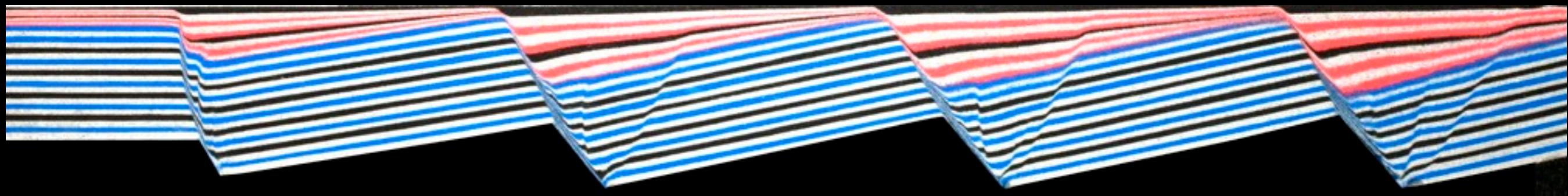
b. Incremental extensional strain Exx
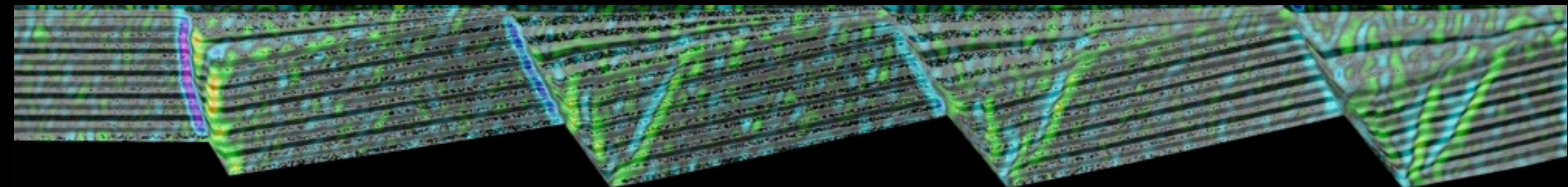
*c. Incremental displacement vectors*
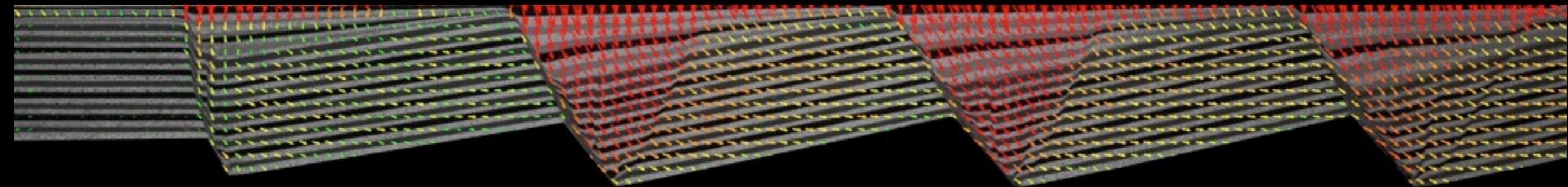
10 cm

# Domino Extensional Fault System - Two Phases
Isotropic Post Extension Strata
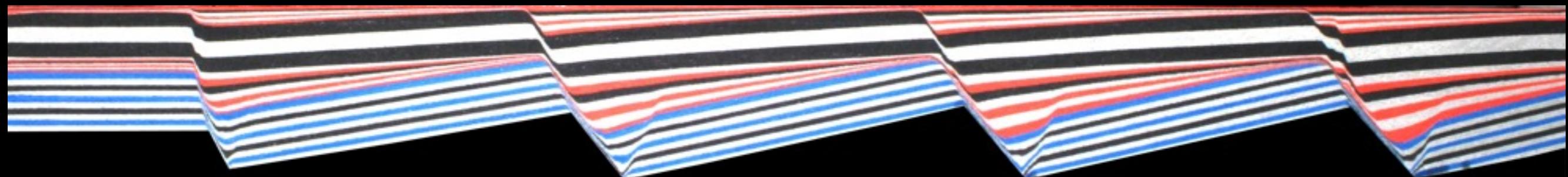
a. End Photo Phase 1 - 7cm extension : Phase 2 3 cm extension

b. Incremental extensional strain Exx
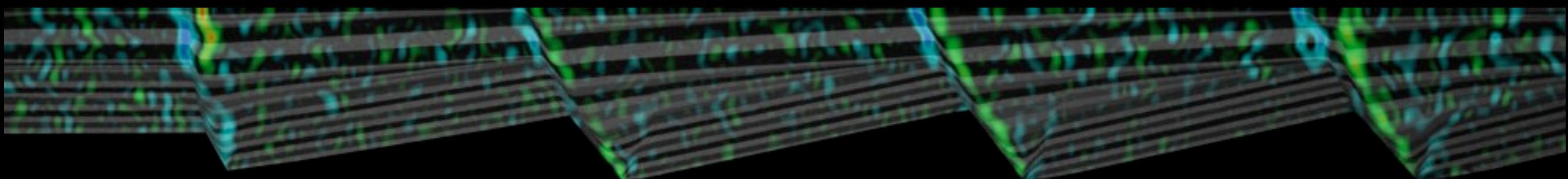
c. Incremental displacement vectors
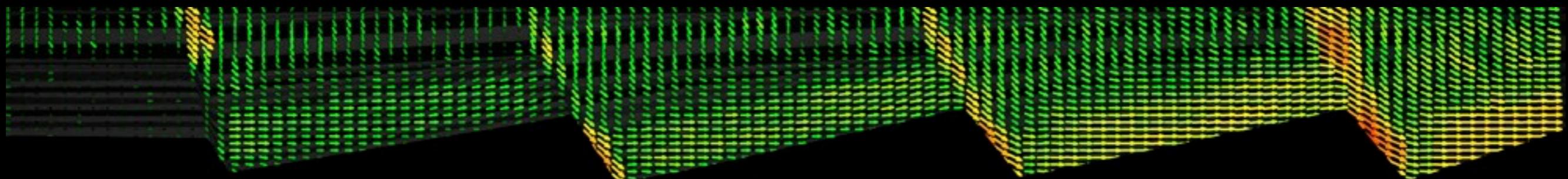
10 cm

Domino Extensional Fault System - Two Phases
Anisotropic Post Extension Strata

a. End Photo Phase 1 - 7cm extension : Phase 2 3 cm extension
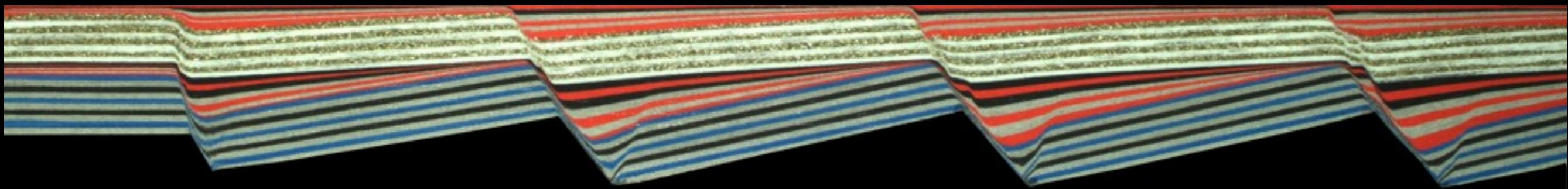
b. Incremental extensional strain Exx
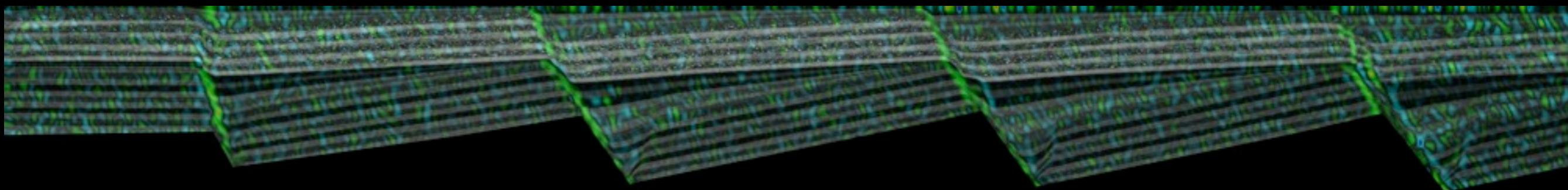
c. Incremental displacement vectors
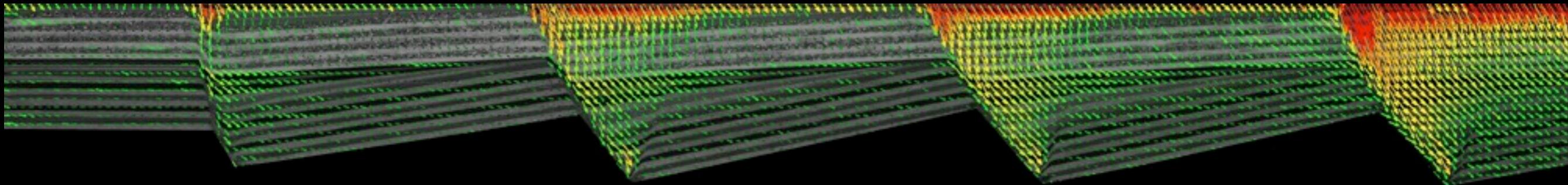
10 cm

Otway Basin, Southern Australian Margin
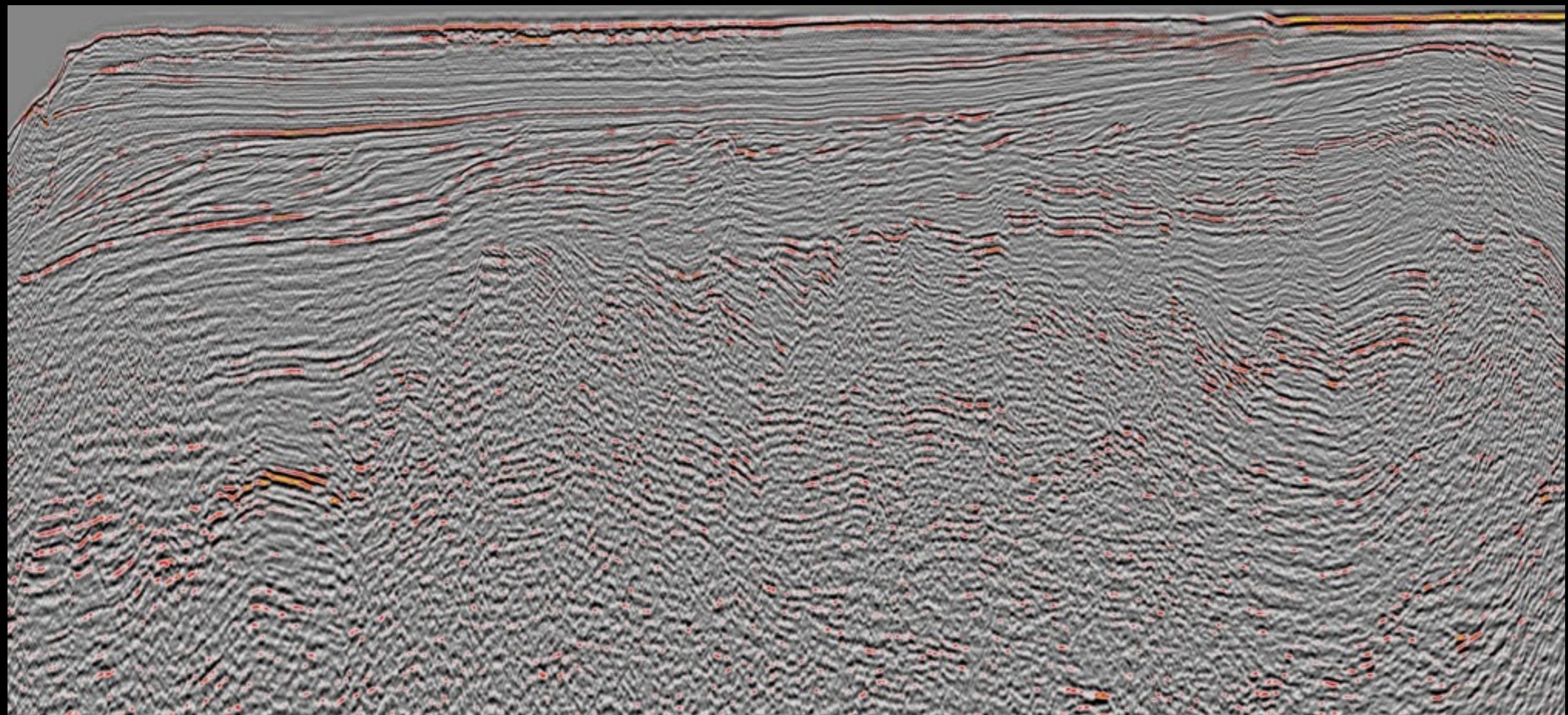
Outer Shelf Domino-Style Extensional Faults

Otway Basin, Southern Australian Margin
Upper Slope Domino-Style Extensional Faults