

# Obtaining evidence for prior mega-earthquakes and tsunamis off Sumatra

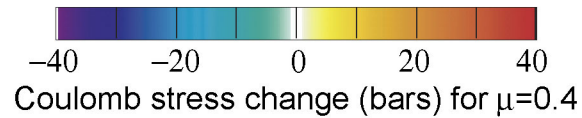
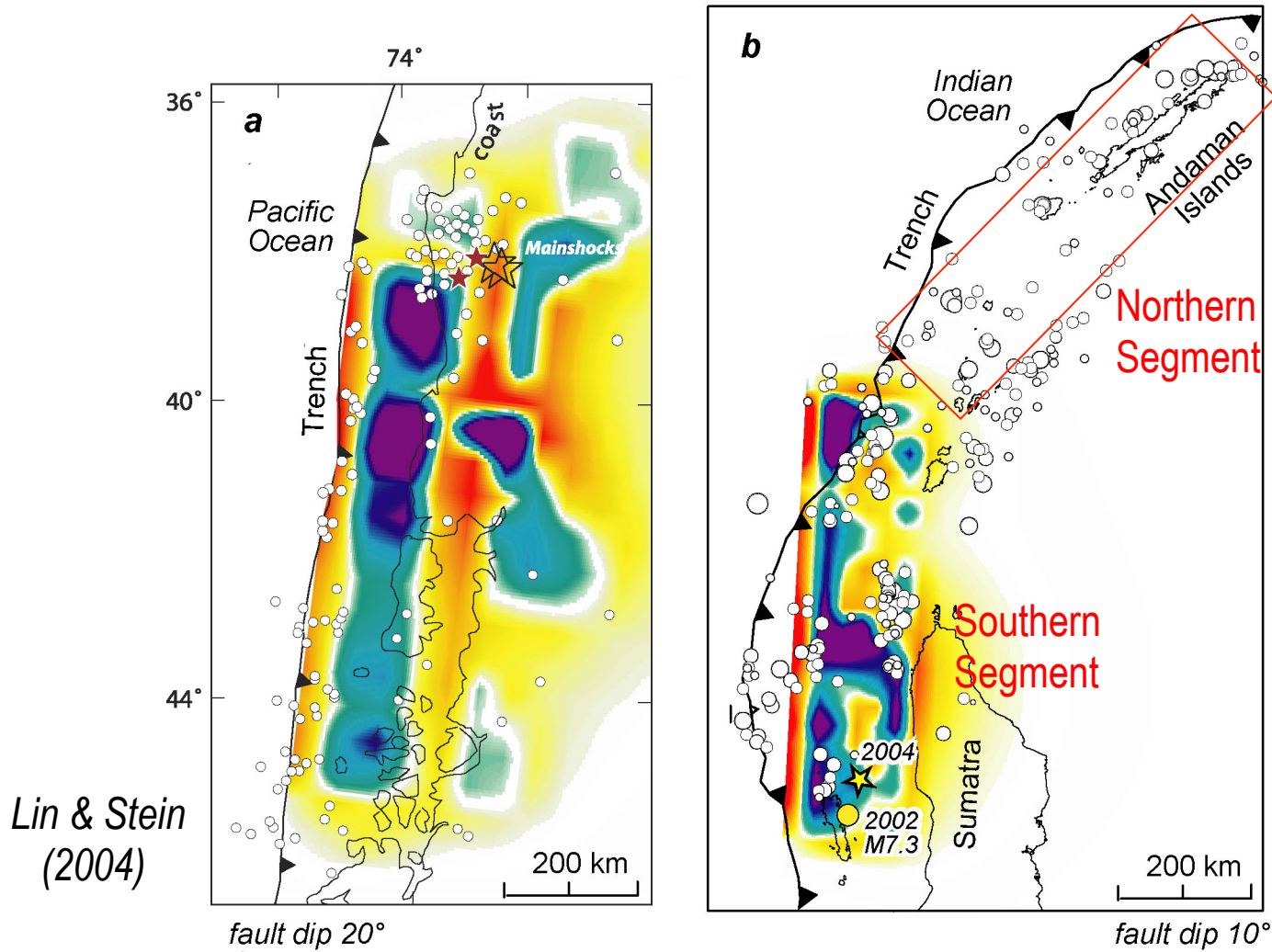


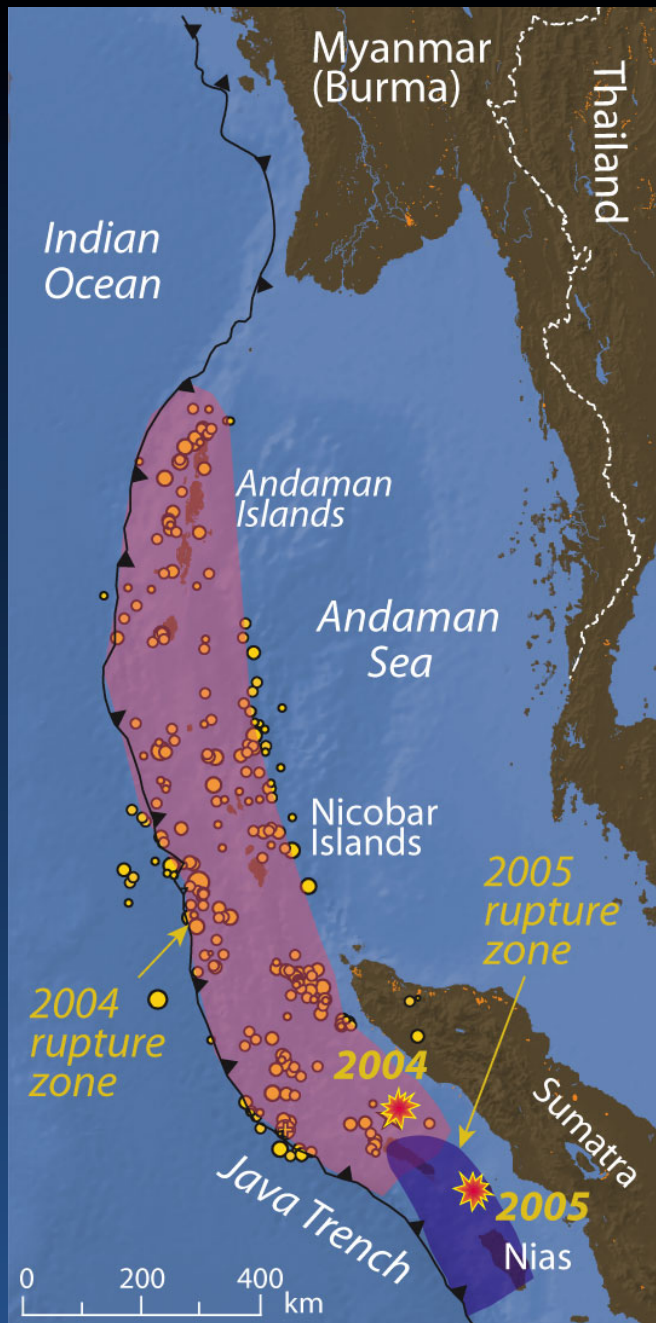
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**Science Party of DY105-17A**

**1960 Chile**  
**M=9.5**

**2004 off Sumatra**  
**M=9.2-9.3**





- *It has the longest fault line ever recorded (1,300 km)*
- *It was the largest quake since the 1960 Chile quake (magnitude 9.5)*
- *It was relatively shallow (only 10 miles beneath seafloor)*
- *The northern rupture zone was in open water, exposing beaches in Thailand*



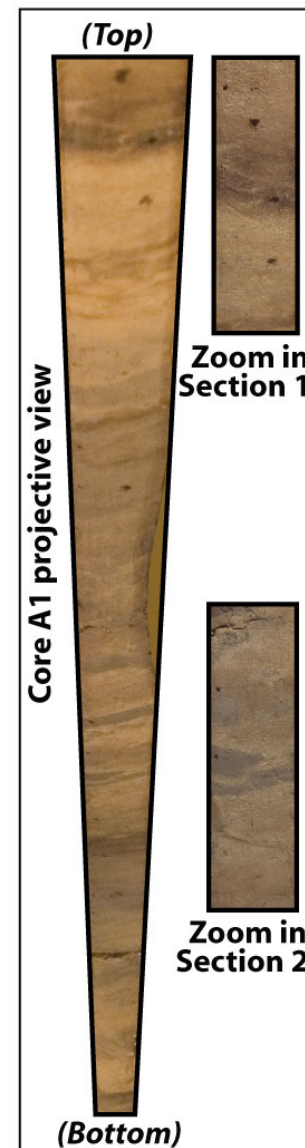
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*Core analysis ongoing .....*

