



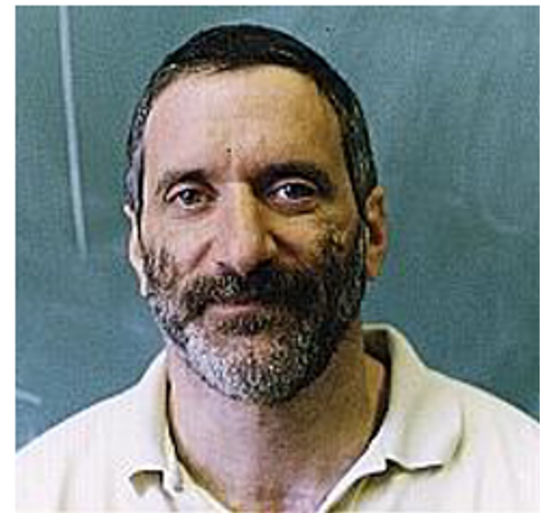
Jerry's 70th Birthday



David Yuen



David Sandwell



Don Ben

Geodynamics – Turcotte and Schubert

cited by 11096

1 Plate Tectonics

2 Stress and Strain in Solids

3 Elasticity and Flexure

4 Heat Transfer

5 Gravity

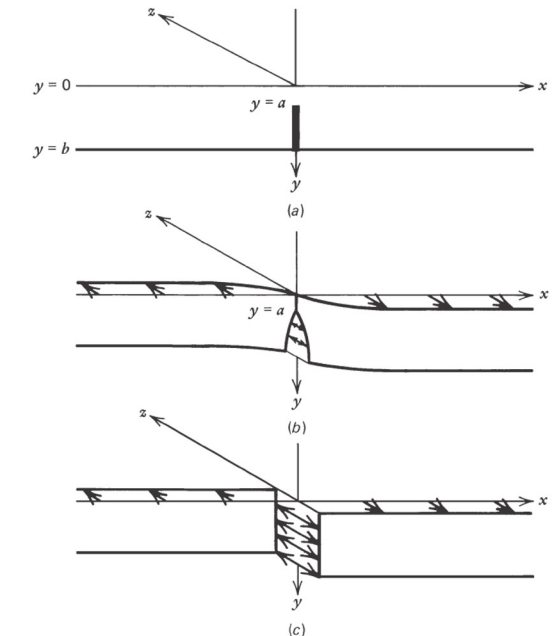
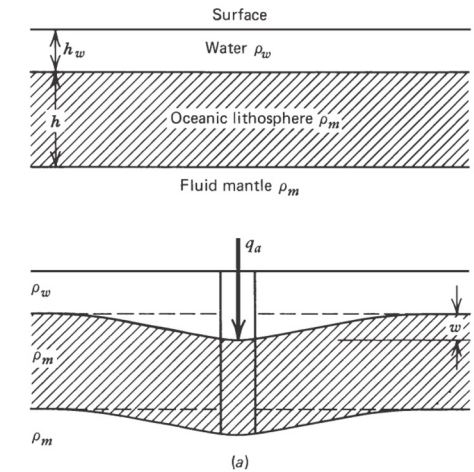
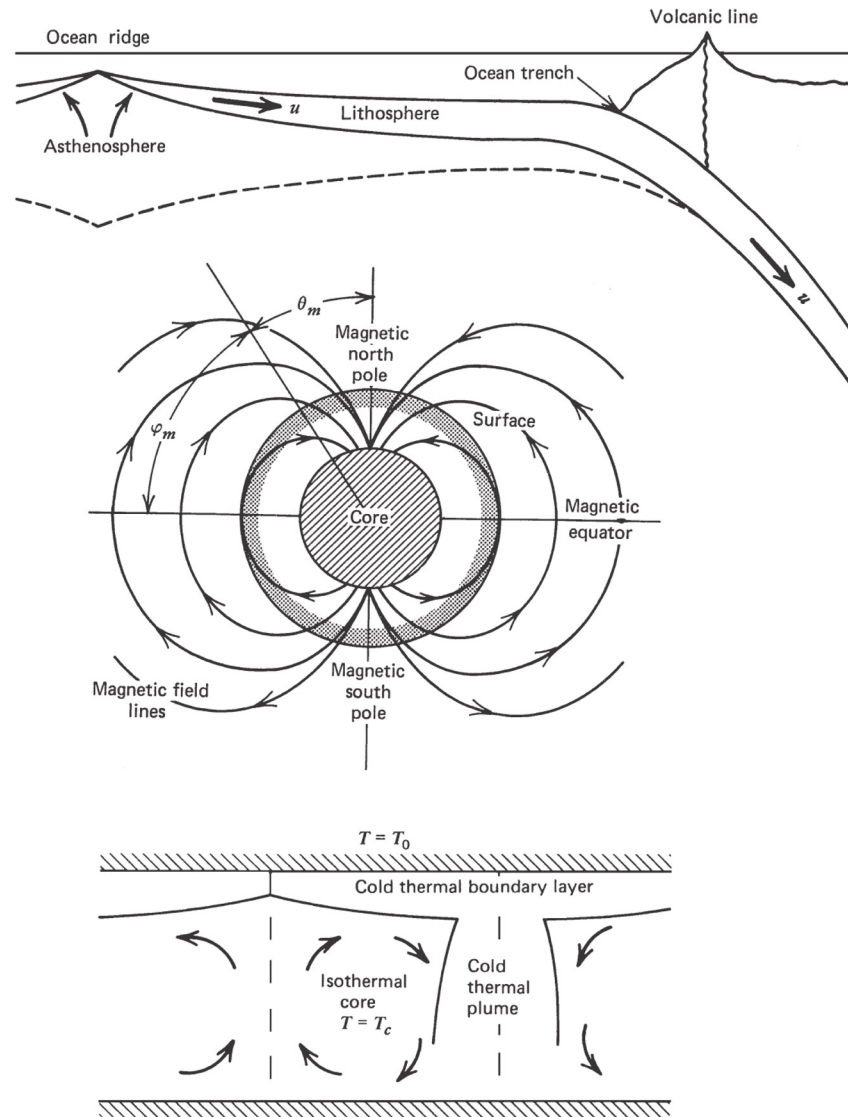
6 Fluid Mechanics

7 Rock Rheology

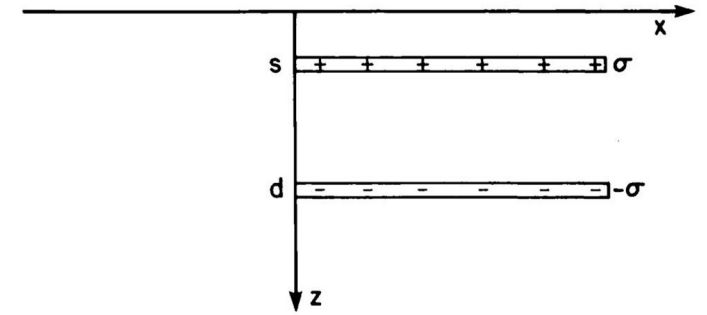
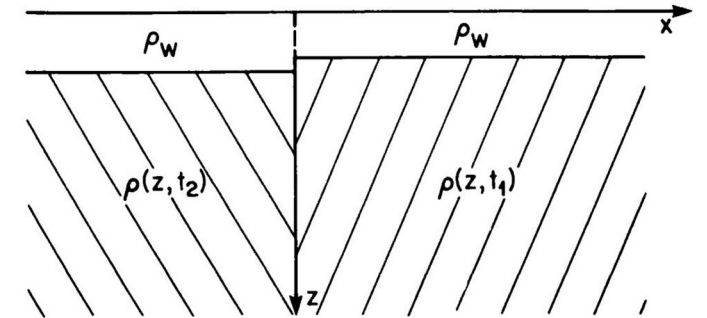
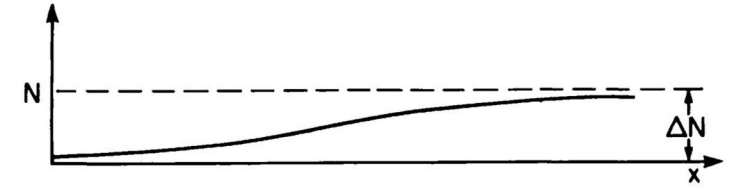
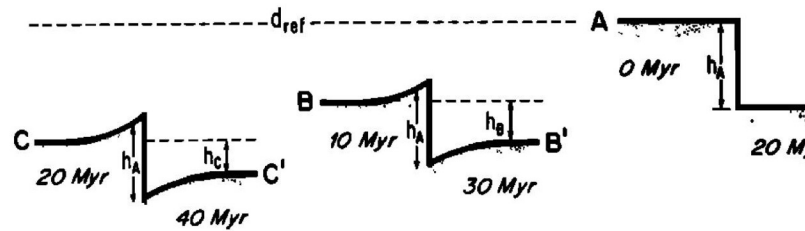
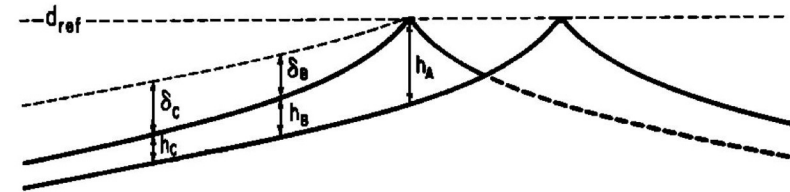
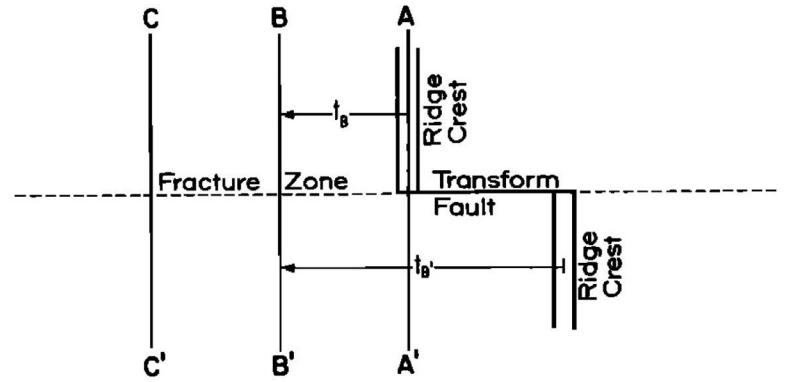
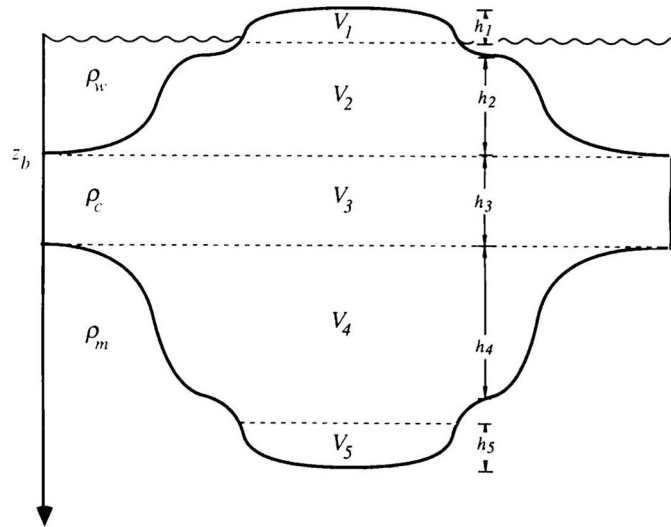
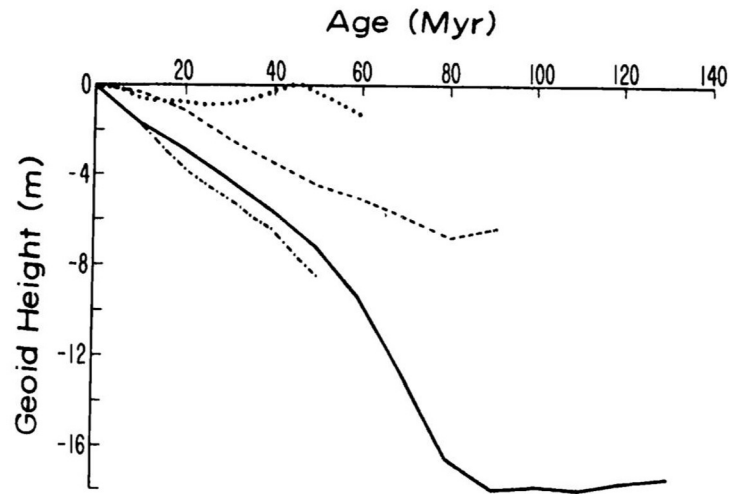
8 Faulting

9 Flows in Porous Media

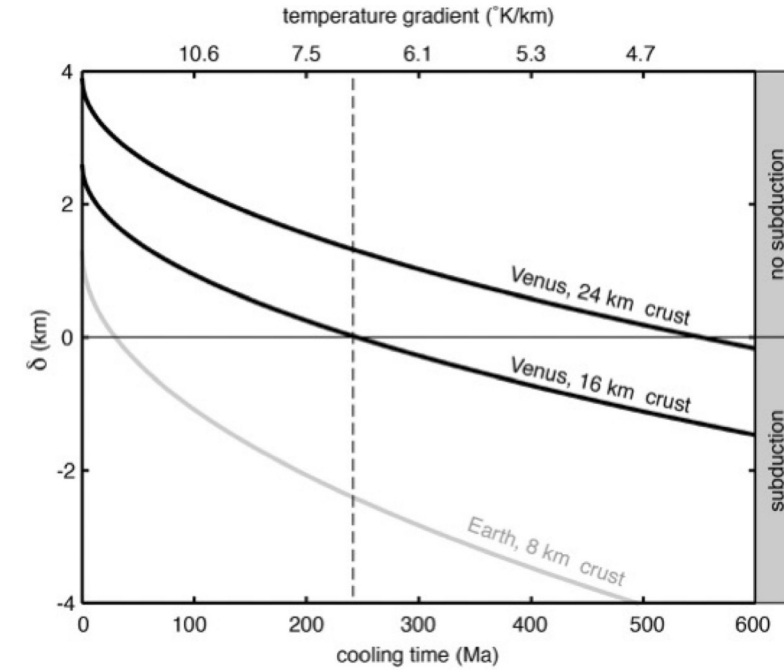
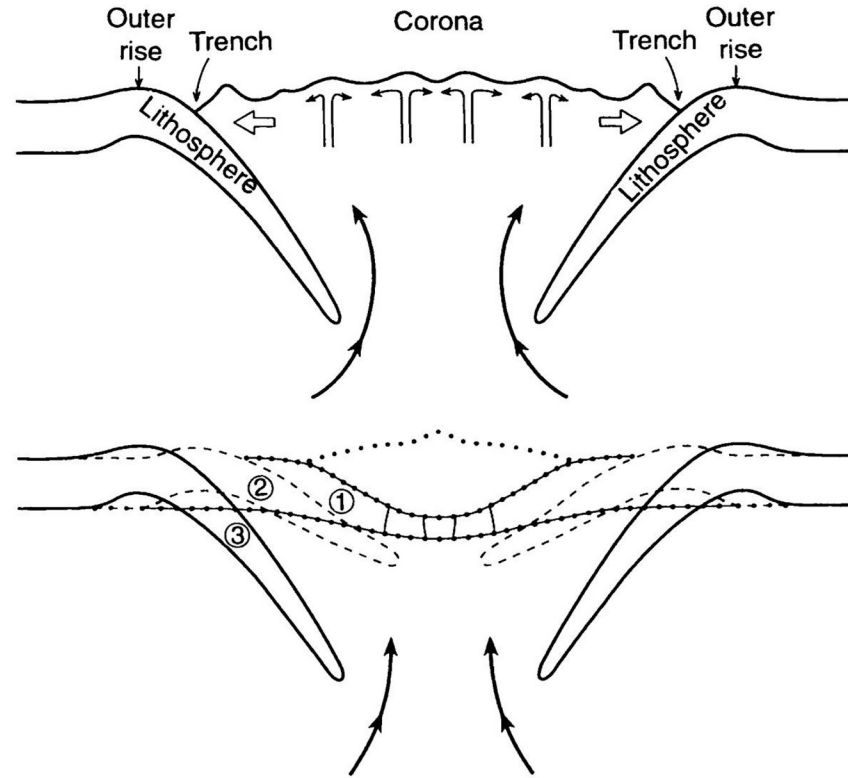
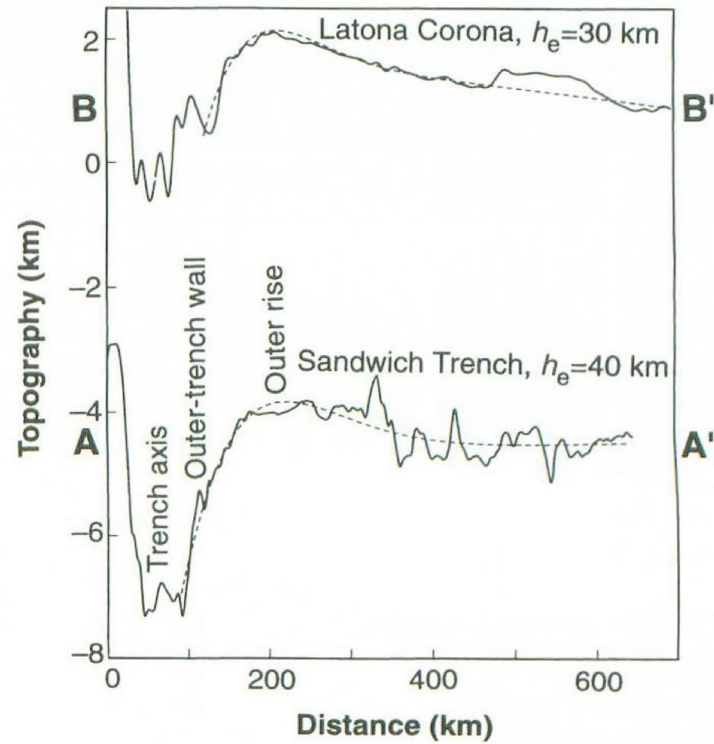
10 Chemical Geodynamics



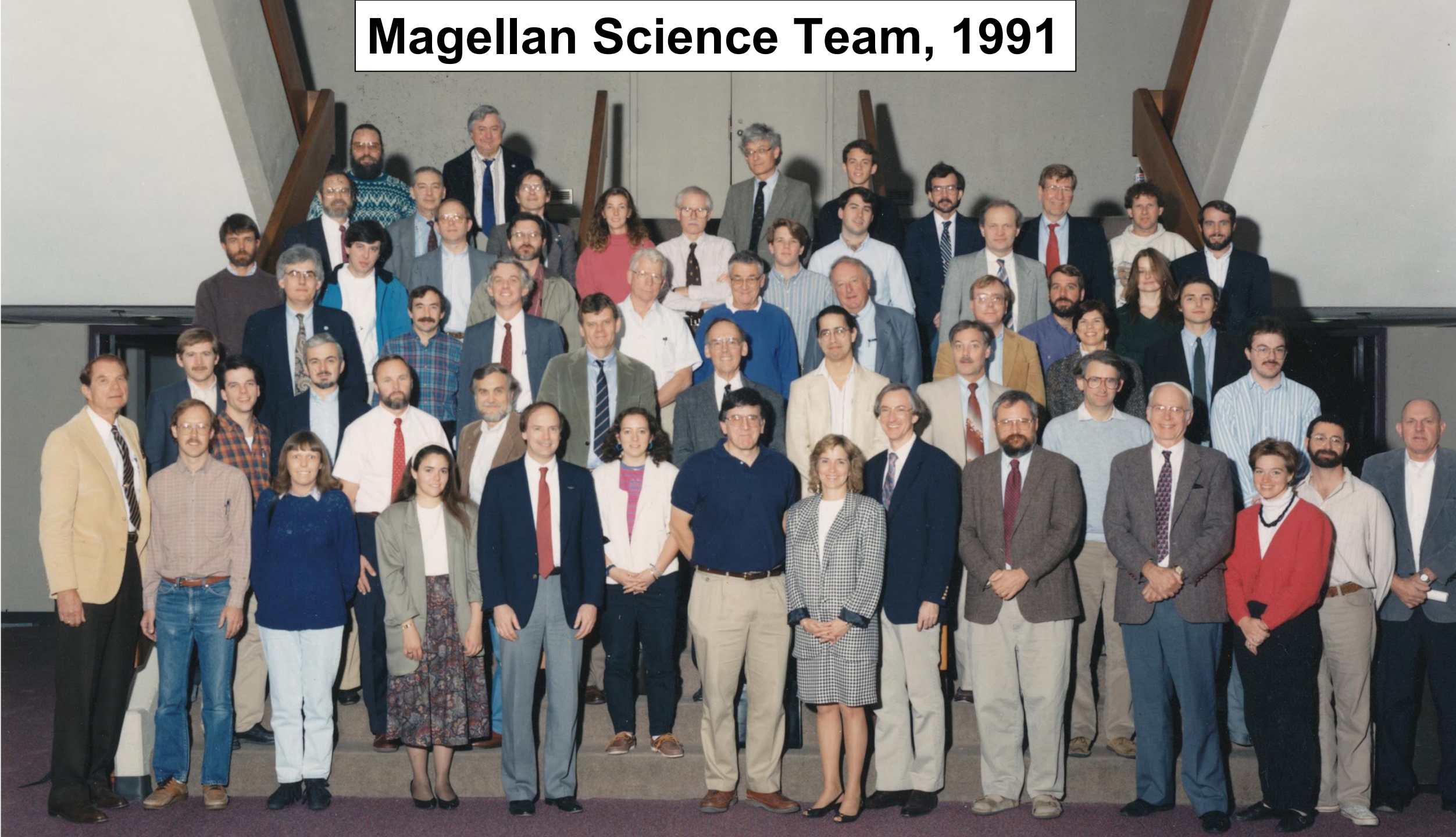
Earth

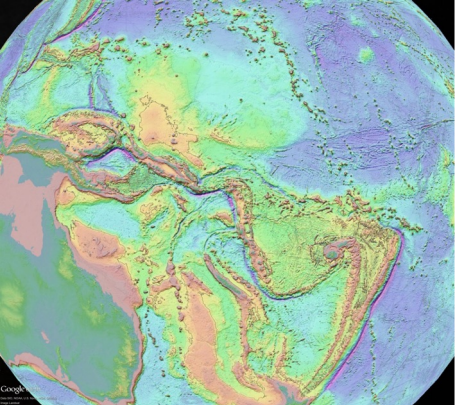


Venus Subduction?

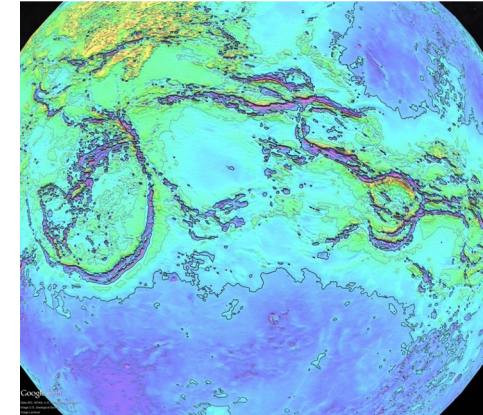


Magellan Science Team, 1991





What additional information is needed to confirm or reject the subduction hypothesis?



Crustal thickness at in plains – buoyancy estimate

Seismology for possible Venus quakes – active plate boundaries?

InSAR for crustal deformation – active today?

High resolution topography – trench depth and outer rise fractures.

Gravity at < 200 km resolution – resolve flexurally-compensated features

InSAR correlation – map active volcanic flows

Need a new mission(s) to Venus