

Fig. 1. SNORCLE deep reflection profile in northwestern Canadian shield. After Cook et al., 1998.

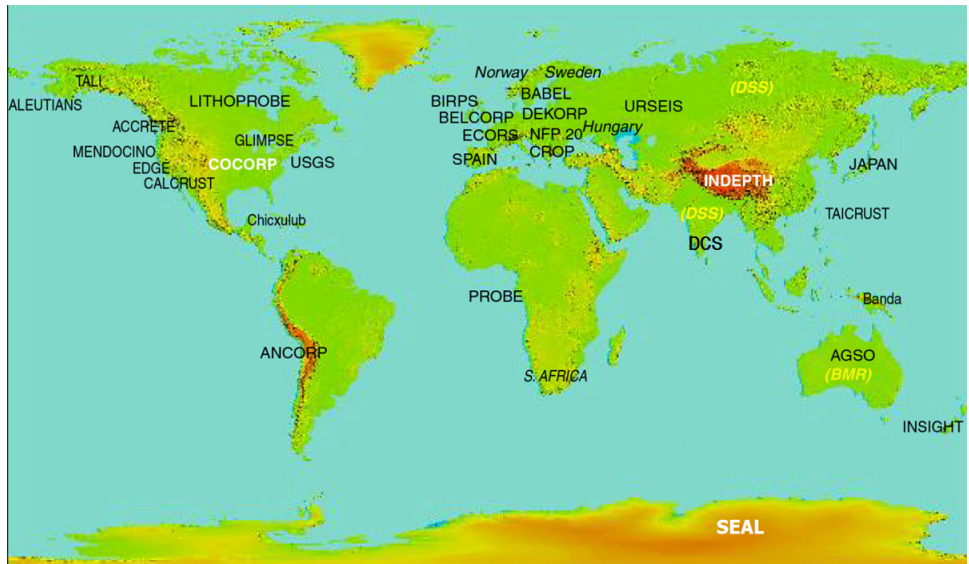


Fig. 2. Global deep seismic reflection programs..

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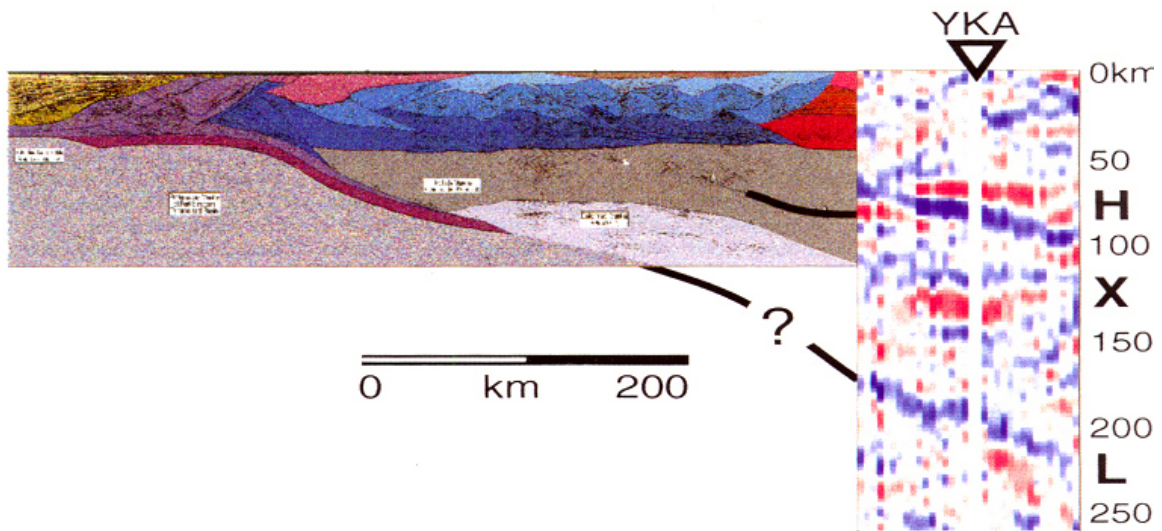
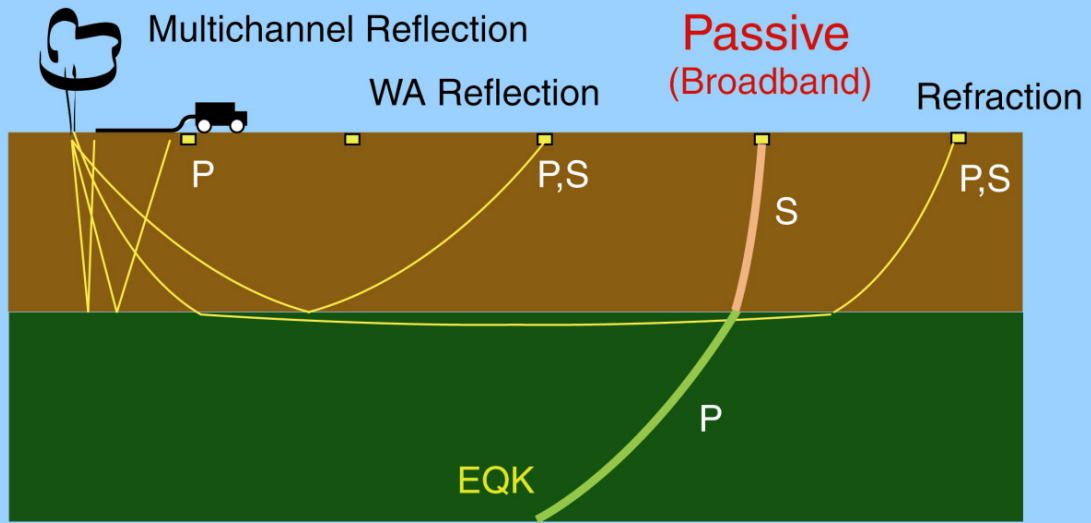


Fig. 3. (top) Deep Seismic reflection techniques. (bottom) Integration of deep reflection and receiver function imaging along SNORCLE transect in NW Canadian shield (After Bostock, 1998).

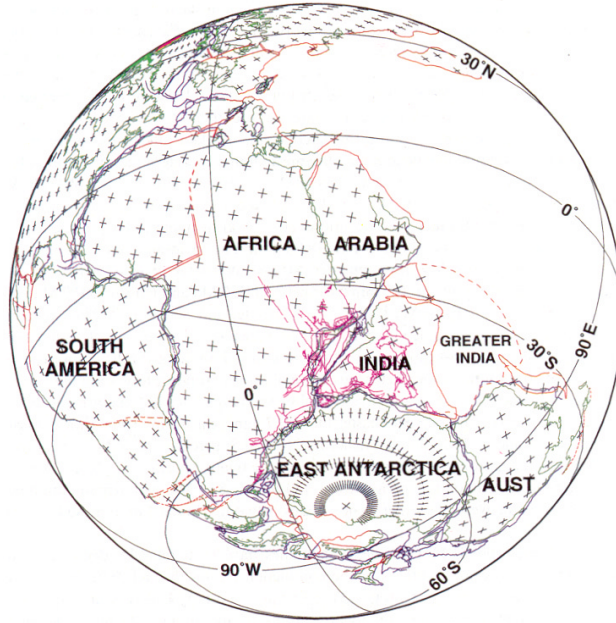


Fig. 4. Gondwanaland reconstruction. After Lawver et al. (1999)..

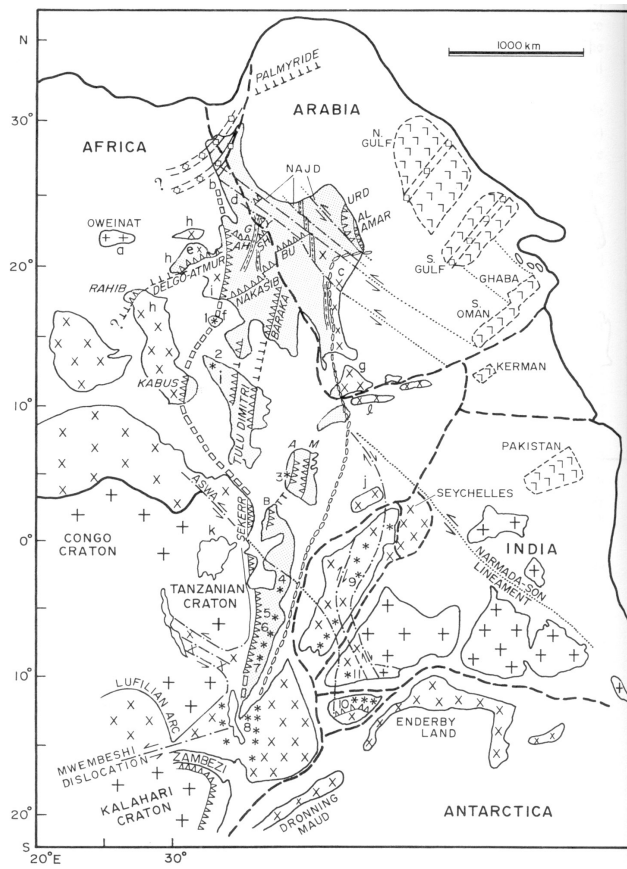


Fig. 5. The East African Orogen. After Stern (1994).

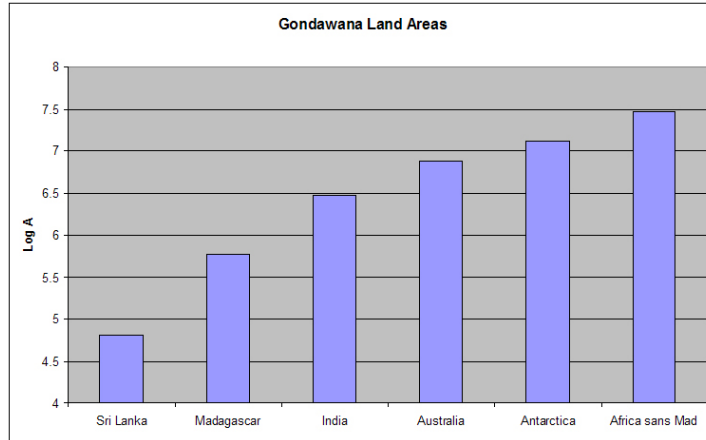


Fig. 6. Relative sizes of the Gondwanaland fragments.

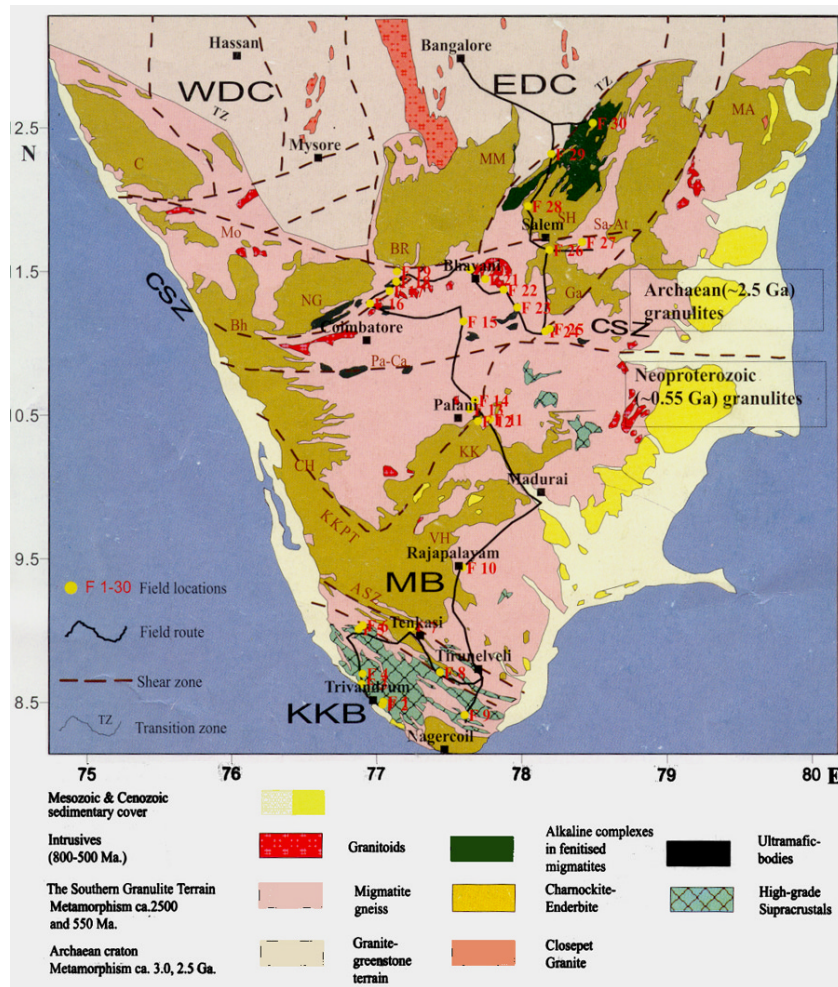


Fig. 7. Geologic terranes of southern India. From Geological Excursion Guide; Tectonics and evolution of the Precambrian Southern Granulite Terrain, India and Gonwanian Correlations.

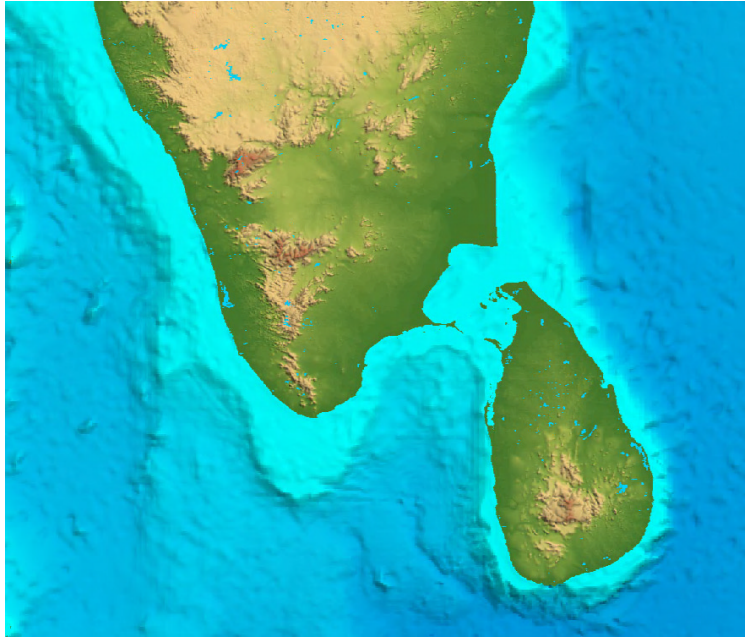


Fig. 8. Topography of southern India.

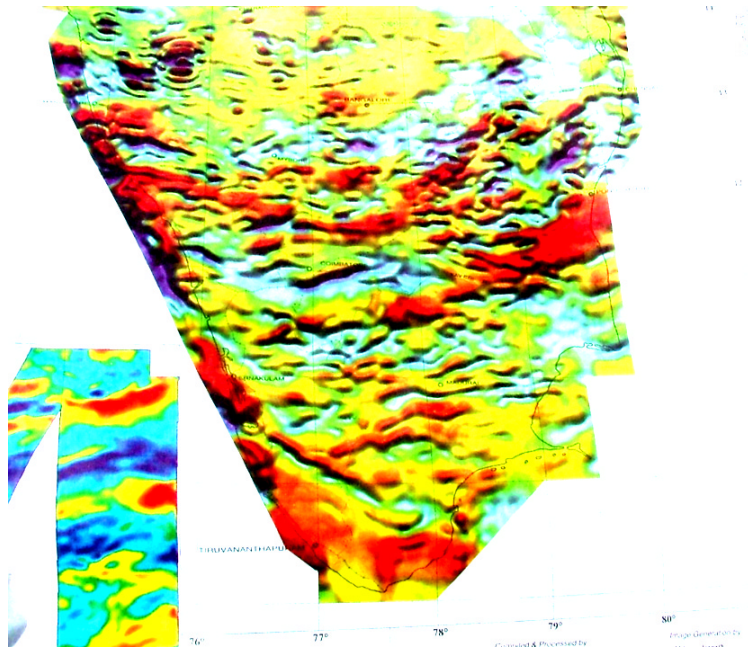


Fig. 9. Magnetic anomaly map of southern India.

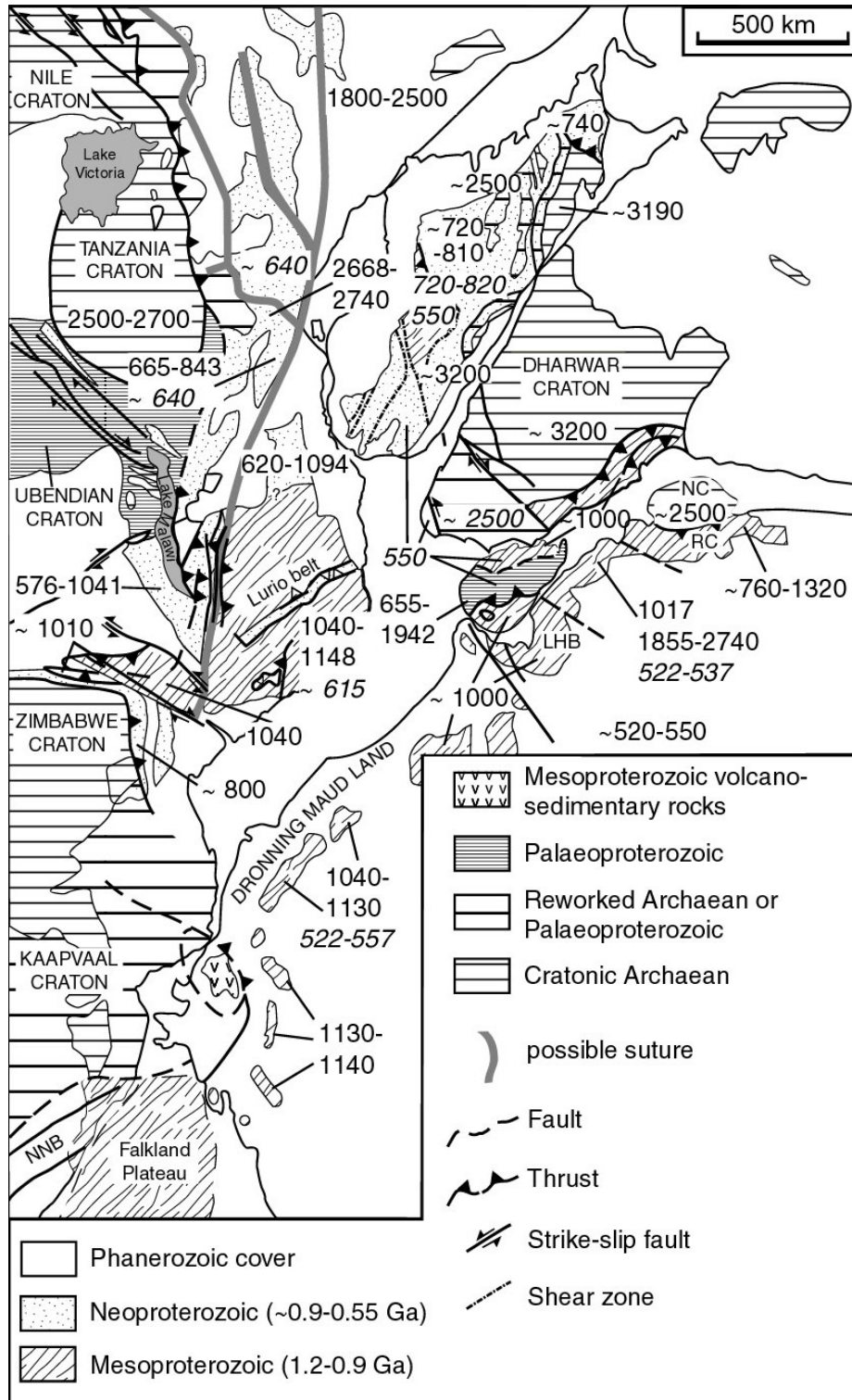


Fig. 10. Geological reconstruction of Gondwanaland. After Kroener et al., (2003).

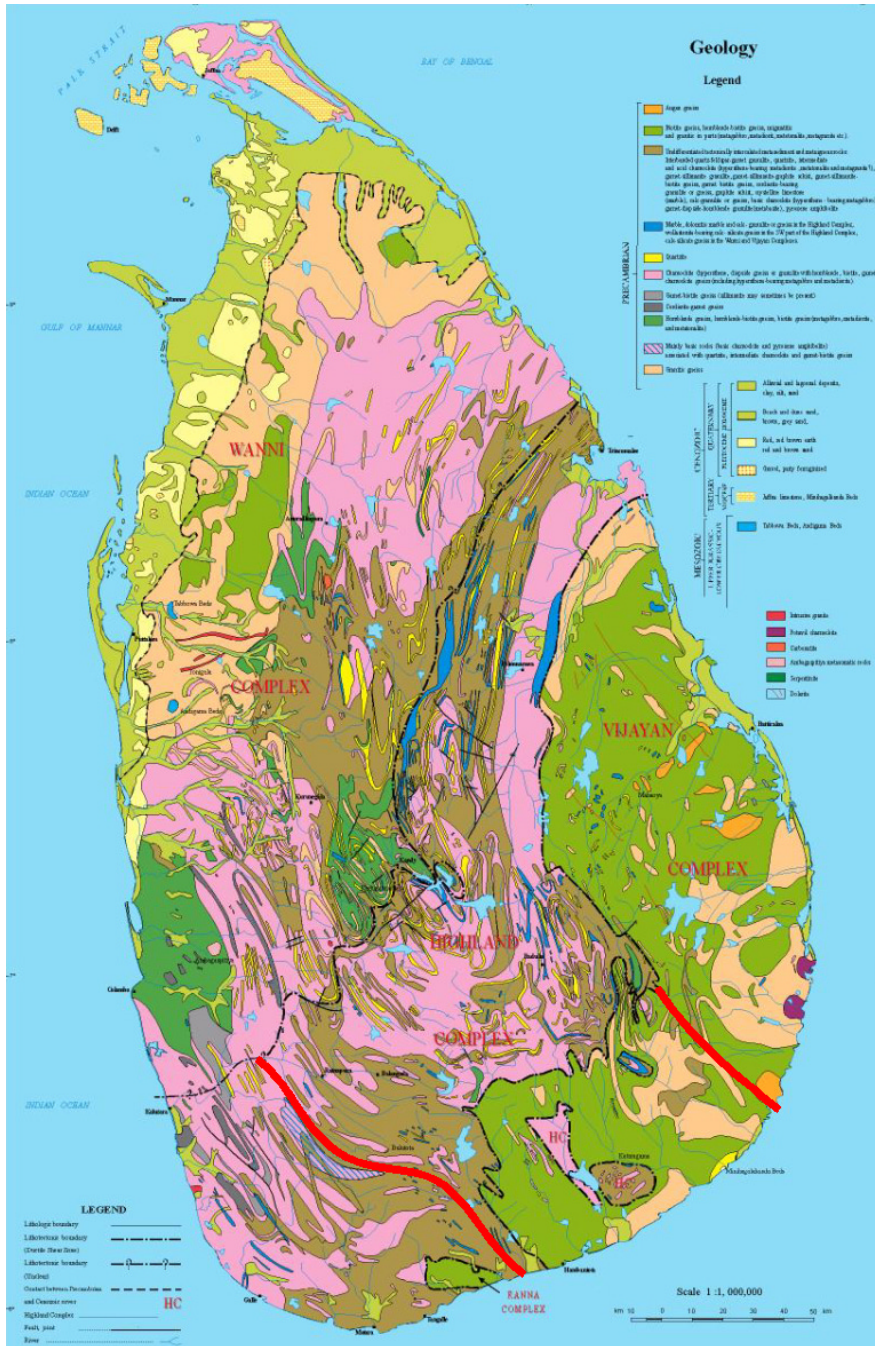


Fig. 11. Geology of Sri Lanka (Courtesy of W. Kehelpanala).

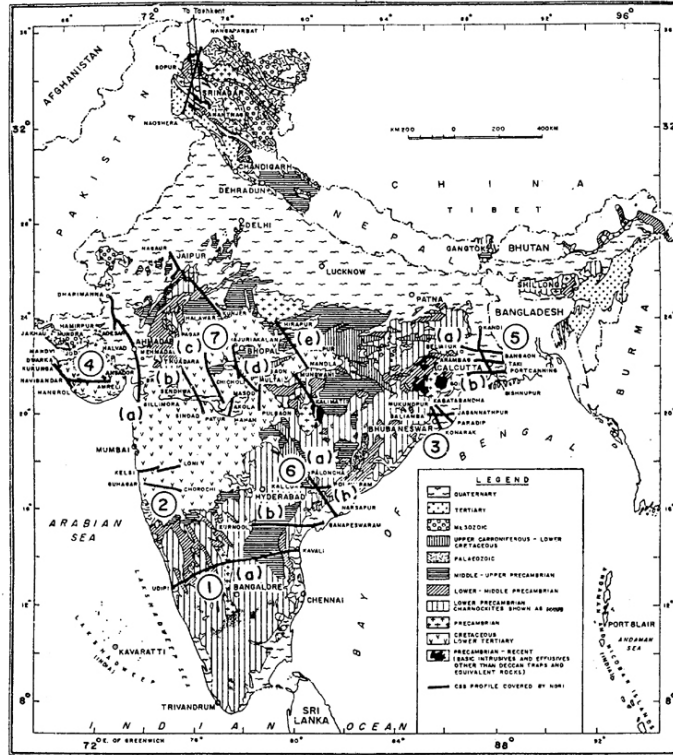


Fig. 12. DSS and deep reflection profiles in India. From Reddy and Rao (2002).

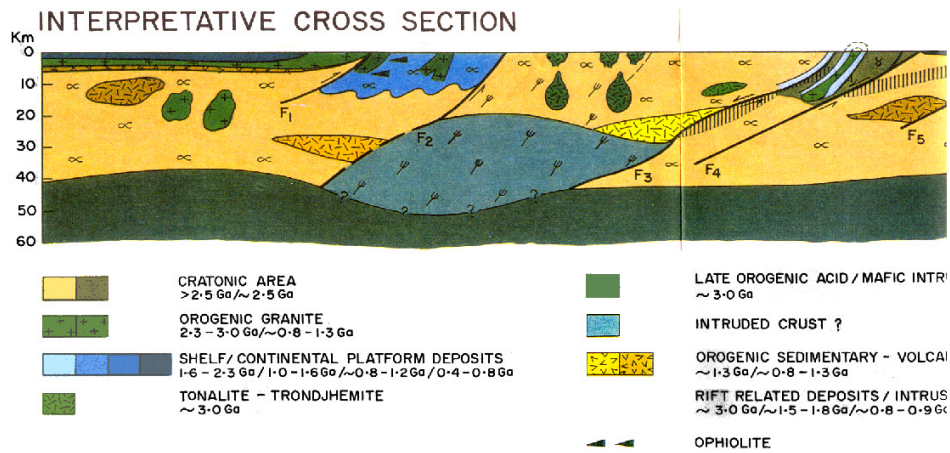
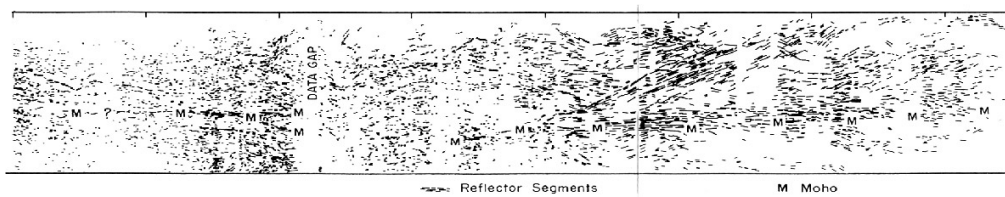
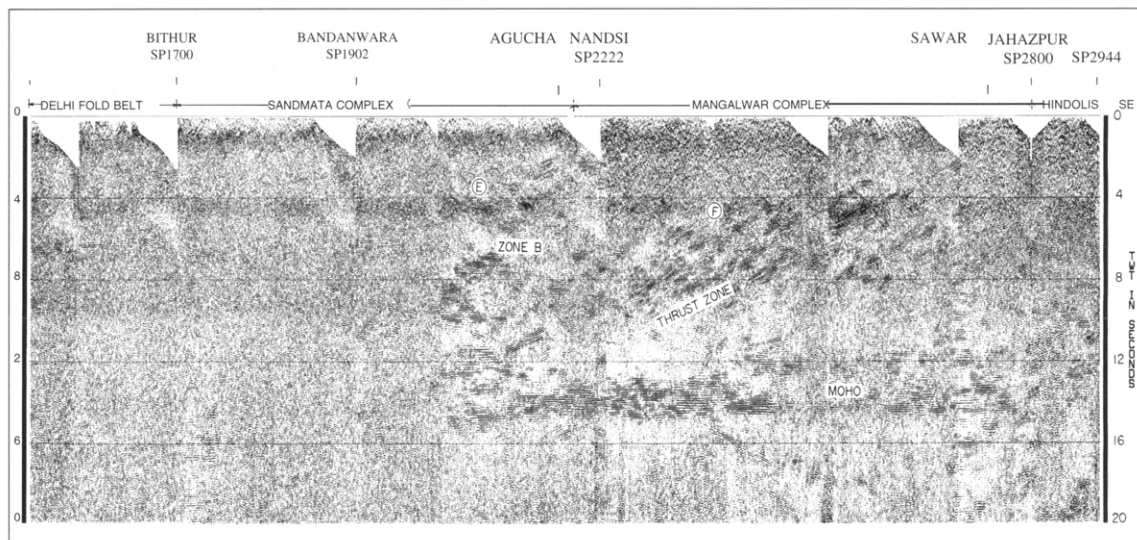


Fig. 13. Portion of seismic reflection data (top), line drawing (middle) and interpretation of Aravelli deep seismic transect. (after Tewari et al., 1998; Tewari and Rao, 2003).

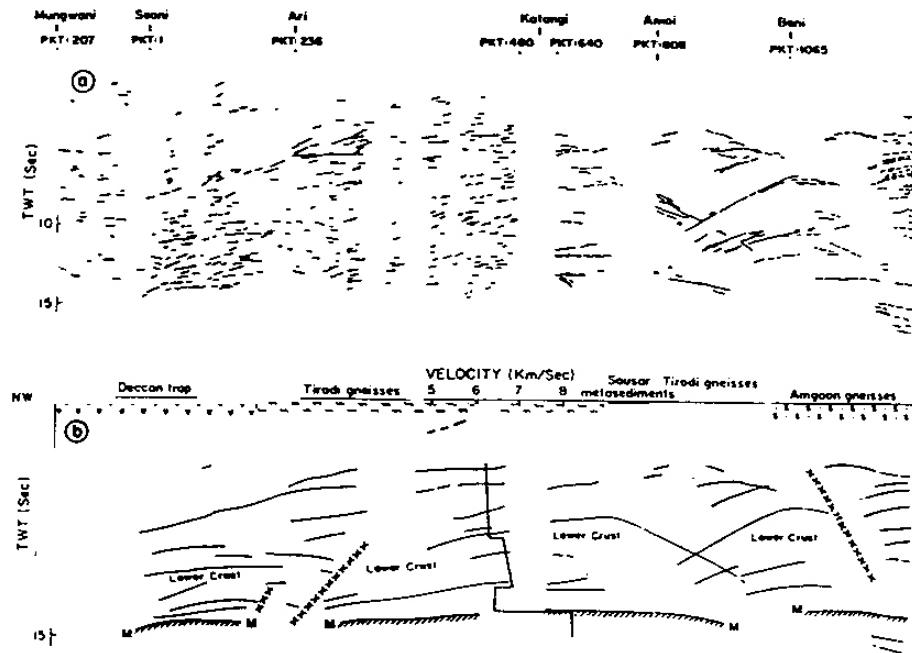


Fig. 14. Line drawing (top) and interpretation of coincident reflection/wide-angle seismic transect across the Central Indian Suture (Reddy et al., 2000)

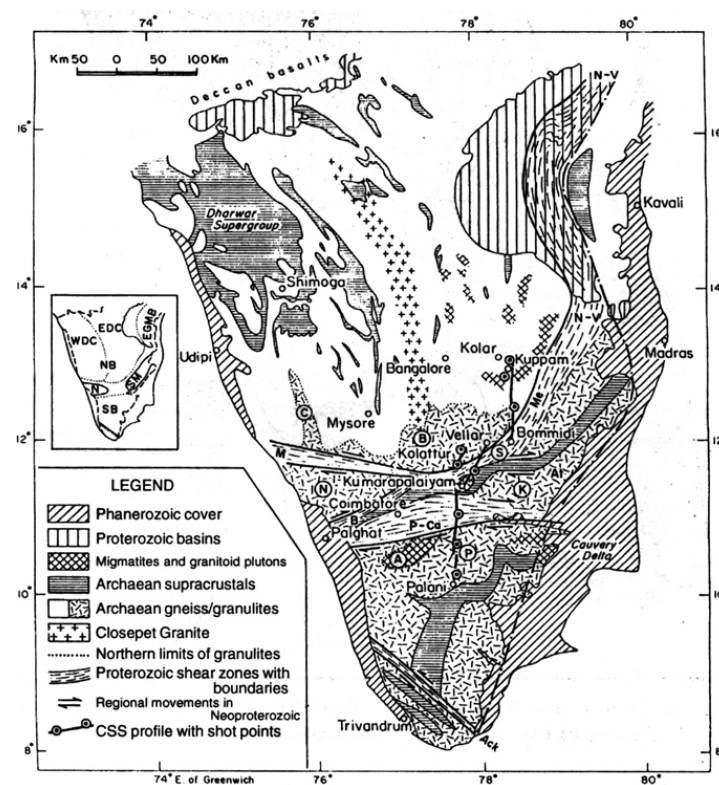


Fig. 15. The Kuppam-Palani geotranssect (Reddy et al., 2003).

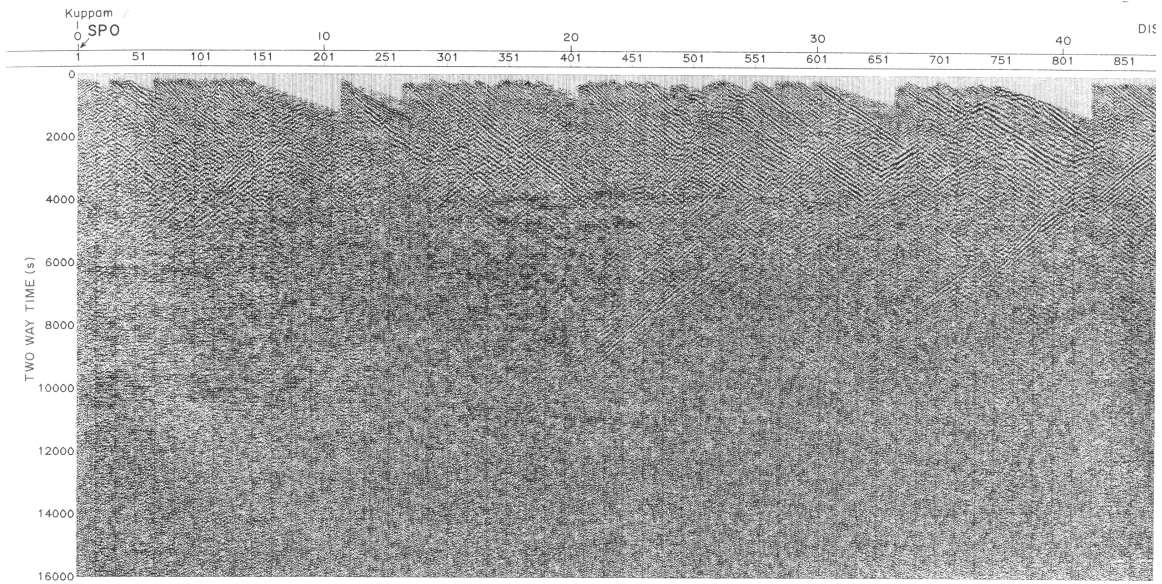


Fig. 16. Sample of seismic reflection data from Kuppam-Palani geotranssect (Reddy et al., 2003).

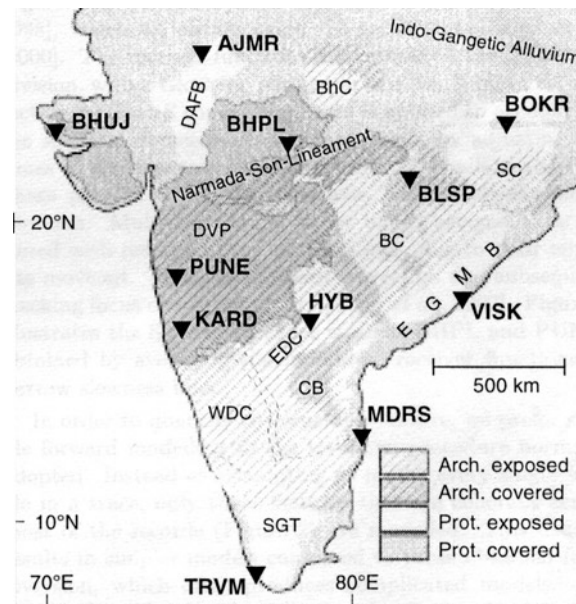


Fig. 17. Seismic stations used for passive seismic studies of lithospheric structure. Circles indicate permanent stations; triangles indicate temporary deployments of broadband instruments. After Kumar et al. (2001).

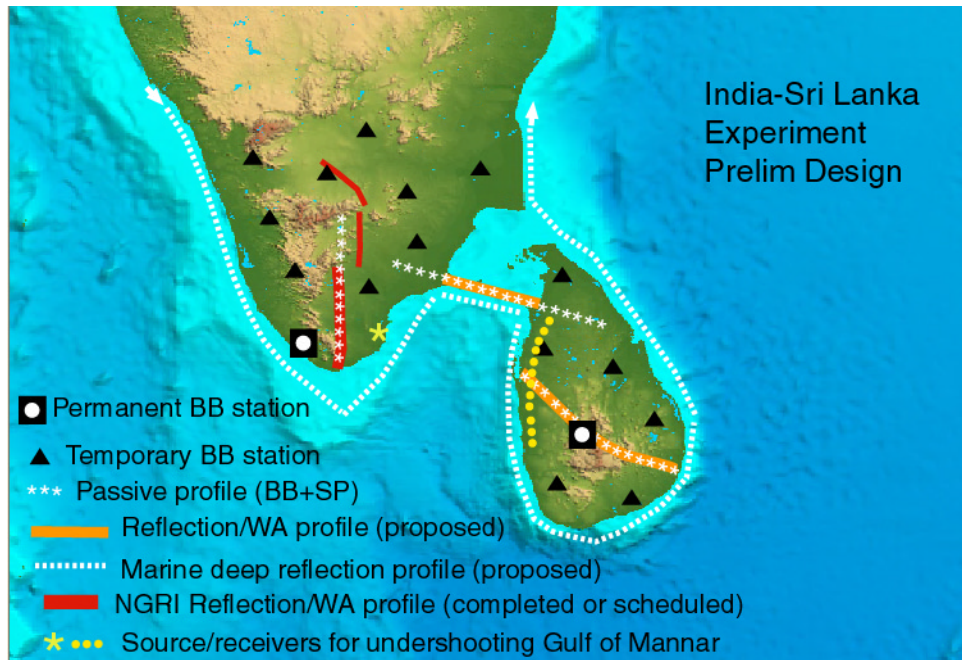


Fig. 18. Proposed seismic deployments for detailing lithospheric structure in southern India and Sri Lanka.