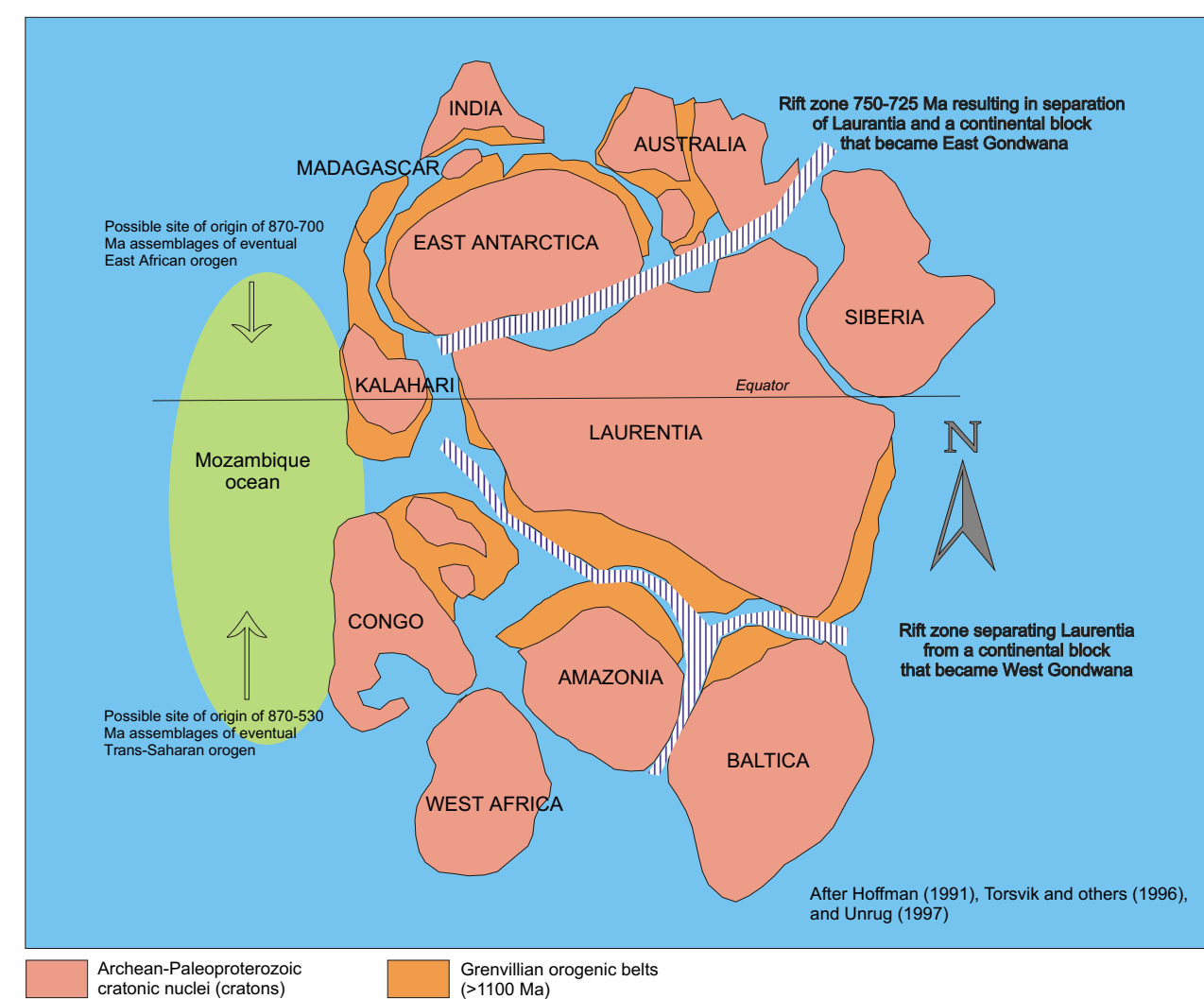
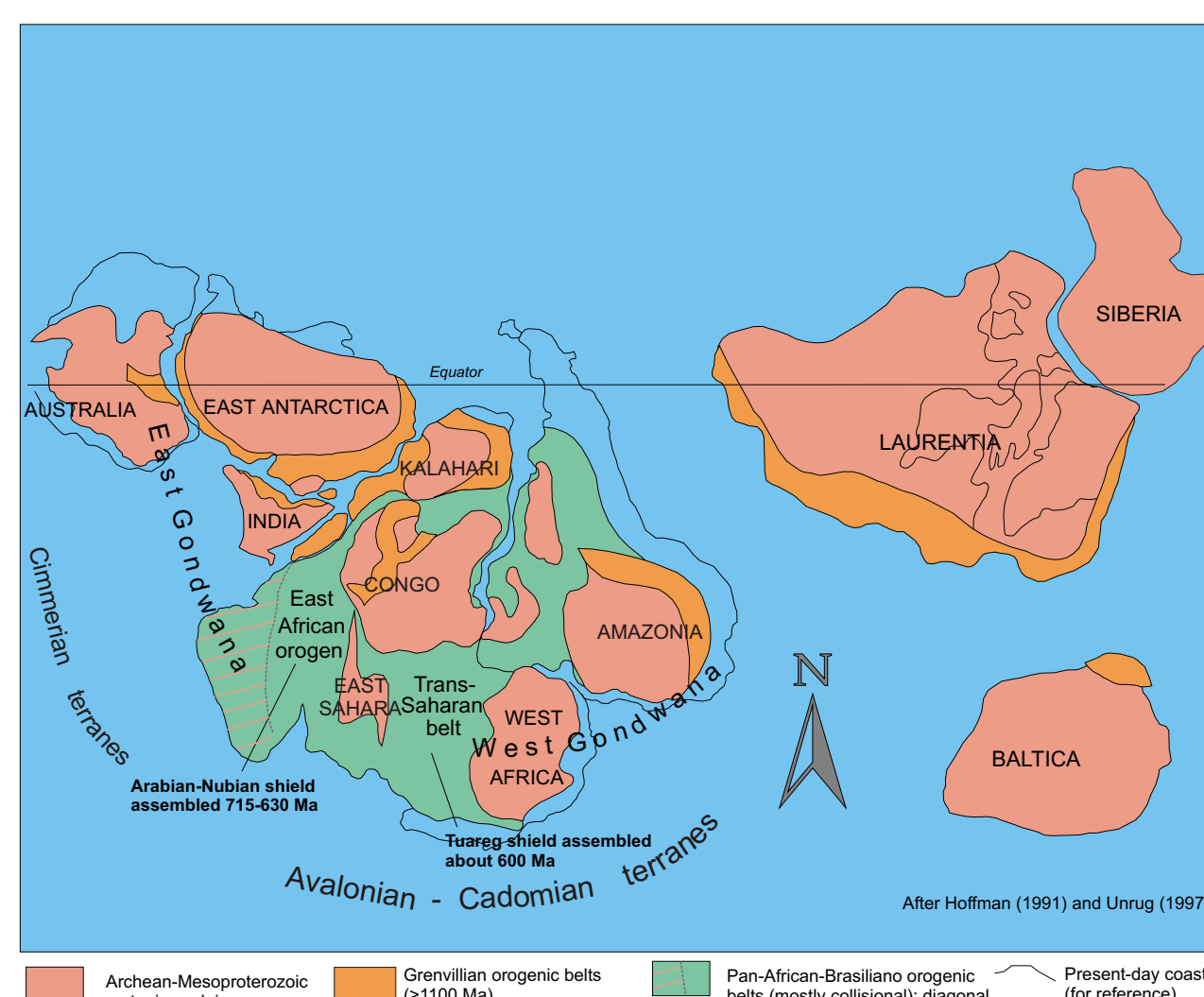


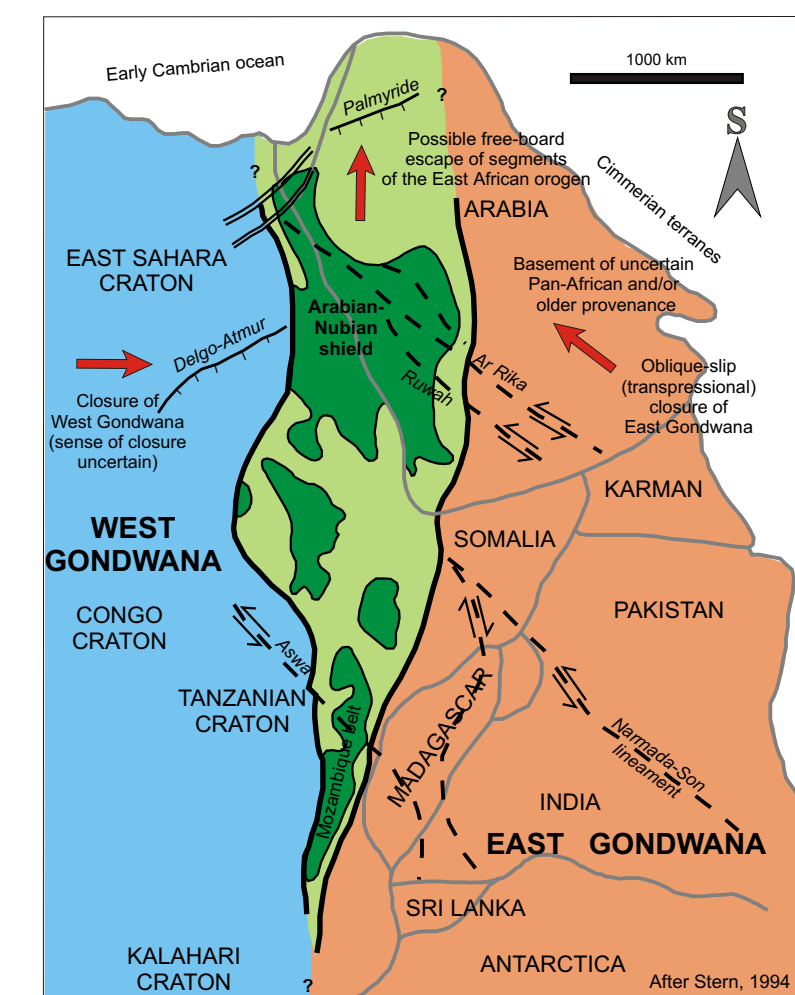
Reconstruction of early Neoproterozoic Rodinia supercontinent and the possible site of origin of oceanic assemblages of the eventual Arabian-Nubian shield (part of the East African orogen)



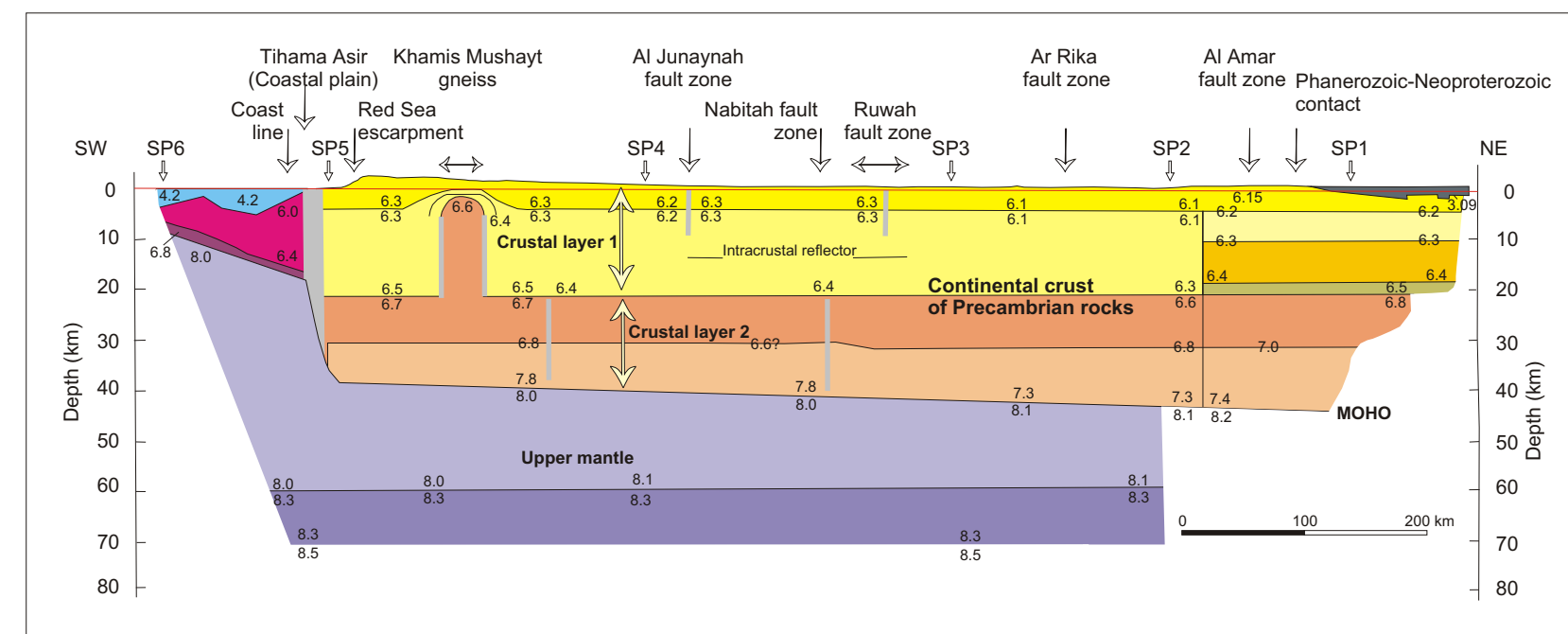
Reconstruction of the end-Neoproterozoic supercontinent of Gondwana (about 500 Ma) showing the East African and other Pan-African/Brasiliano orogenic belts



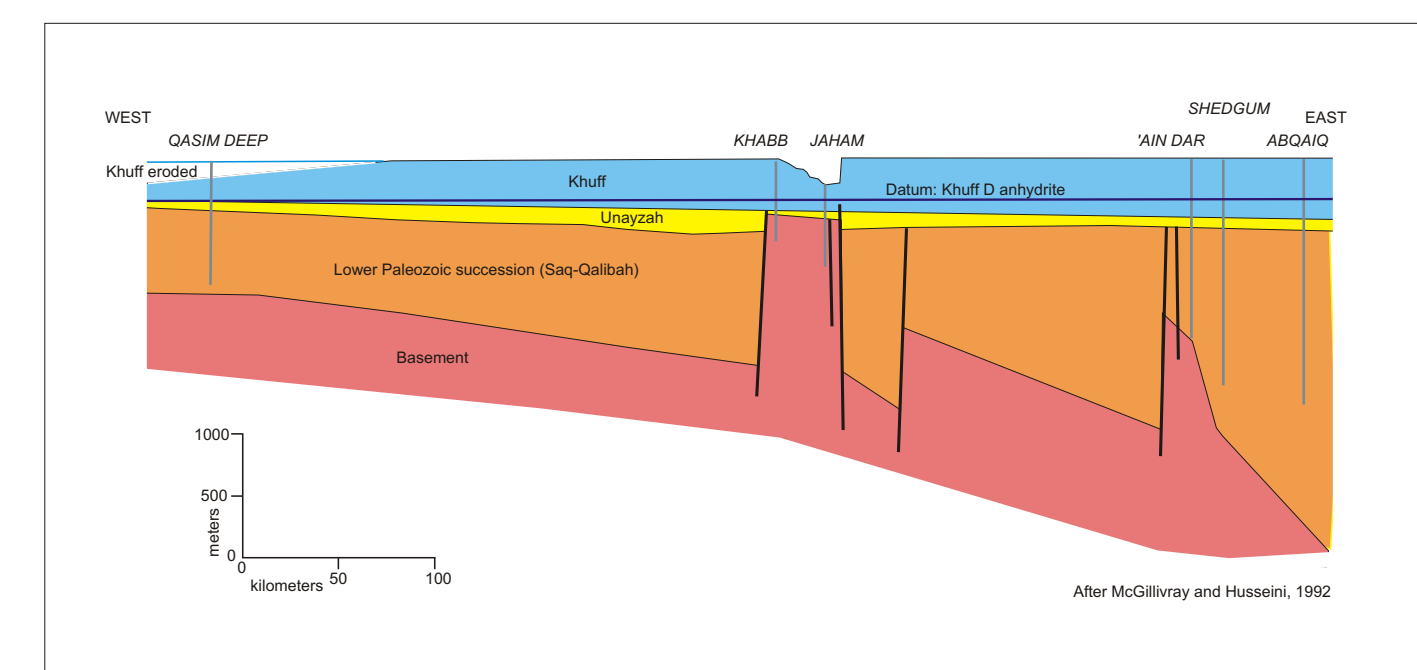
Detail of the region between East and West Gondwana showing the tectonic setting of the Arabian-Nubian shield (part of the East African orogen)



Cenozoic tectonic setting of the Arabian plate



Seismic-refraction crustal model of Mooney and others (1985) for the southwestern part of the Arabian plate showing a principal twofold division of the crust and rapid thinning of the crust beneath the coastal plain. Alternative models for the entire section or part of the section given by Prodehl (1985), Mikkelson and Fiala (1985), and Badri (1991). Seismic-refraction data reported by Healy and others (1982); compressional-wave velocities in km/sec. For location of profile and shot points, see main map.



Section in central Saudi Arabia showing "Hercynian" structures in the Lower Paleozoic succession and basement covered by pre-Unayzah Devonian extension. The Lower Paleozoic state are eroded over structural highs and preserved in structural basins. For location of section and bore holes see main map.





**DEPUTY MINISTRY FOR MINERAL RESOURCES TECHNICAL REPORT USGS-TR-98-3 (IR-948)**