

Data Supplement item I for Ring et al.

The Samail subduction zone dilemma: New Rb-Sr data from Oman reveals juxtaposition of two subduction zones with contrasting thermal histories at Neo-Tethys' southern margin

Detailed rifted-margin cross section

A schematic figure of the rifted-margin section of the Arabian margin is provided in Figure 5 of the main paper. Here we add a more detailed figure that includes stratigraphic columns of the various rift compartments.

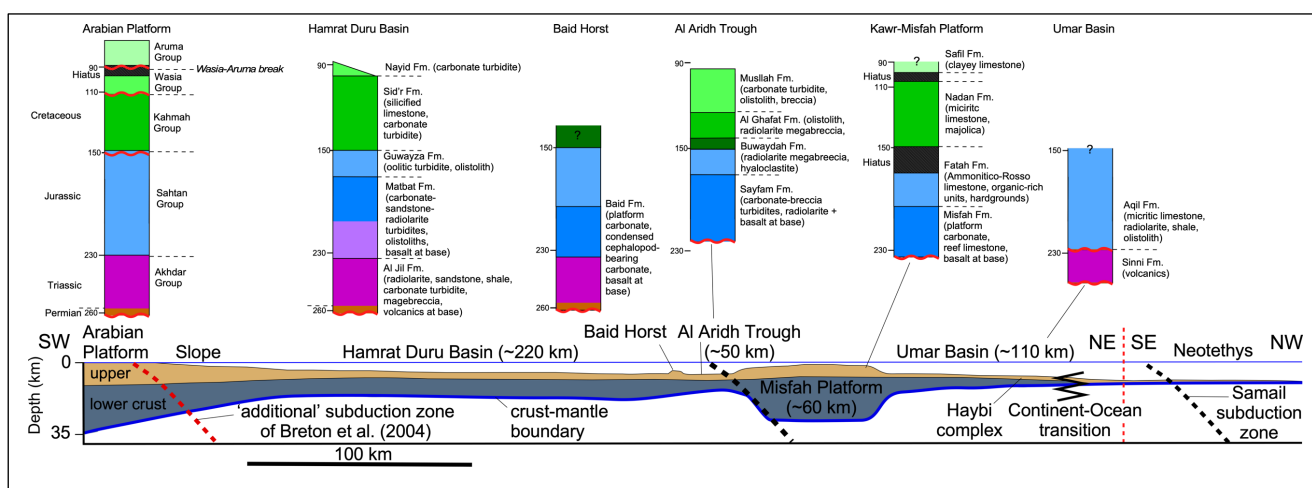


Figure I-1. Mid-Cretaceous paleogeographic restoration of the northeast rifted margin of Oman before the onset of subduction (according to Béchenne et al., 1990; Blechschmidt et al., 2004; Searle, 2007). The rifted margin was structured during two rifting phases in the late Permian and the middle/late Triassic, which resulted in splitting of the Hawasina Basin into two basins separated by the Kaur-Misfah Platform (Misfah Platform in sketch). The Al Aridh Trough was subjected to both rifting phases. The stratigraphic columns provide generalized successions in the various segments of the rifted margin (modified from Béchenne et al., 1990). Note the changing direction of rifted margin section (see Fig. 1b in main paper).