Crustal Heat Production and Rift Dynamics

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Strain evolution and the relative role of lithospheric heterogeneities during continental rupture

The evolution of basic patterns during continental rupture can be quite complex and may be due to either changes in the rift dynamics and/or lithospheric heterogeneities. There are numerous aspects of variations in rift development (1) on the evolution of rift systems.

The initial stage of the rift is an important factor in determining its growth profile. The initial stage of the rift is critical in determining how the rift will eventually evolve. In the case of large-scale extension, the rift is a critical factor in determining the overall evolution of the rift system.

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