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Implications of the Iceland Deep Drilling Project for Improving Understanding of Hydrothermal Processes at Slow Spreading Mid-OcCrustal Structure, Magma Chamber, and Faulting Beneath the Lucky Strike Hydrothermal Vent Field; The Relationships Between Volcanism, Tectonism, and Hydrothermal Activity on the Southern Equatorial Mid-Atlantic Ridge; The Ultraslow Spreading Southwest Indian Ridge; Deformation and Alteration Associated With Oceanic and Continental Detachment Fault Systems: Are They Similar?

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Sommario/riassunto

Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 188. Diversity of Hydrothermal Systems on Slow Spreading Ocean Ridges presents a multidisciplinary overview of the remarkable emerging diversity of hydrothermal systems on slow spreading ocean ridges in the Atlantic, Indian, and Arctic oceans. When hydrothermal systems were first found on the East Pacific Rise and other Pacific Ocean ridges beginning in the late 1970s, the community consensus held that the magma delivery rate of intermediate to fast spreading was necessary to suppo