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Chile 2010 and Japan 2011 Tsunami Events in the Galapagos Islands
Patterns in Galapagos Magmatism Arising from the Upper Mantle
Dynamics of Plume-Ridge Interaction Variations in Crustal Thickness,
Plate Rigidity, and Volcanic Processes throughout the Northern
Galapagos Volcanic Province Plume-Ridge Interaction in the Galapagos:
Perspectives from Wolf, Darwin, and Genovesa Islands A Preliminary
Survey of the Northeast Seamounts, Galapagos Platform Effect of
Variations in Magma Supply on the Crustal Structure of Mid-Ocean
Ridges: Insights from the Western Galapagos Spreading Center Helium
Isotope Variations and Mantle Plume-Spreading Ridge Interactions
Along the Galapagos Spreading Center .

Sommario/riassunto

"The Galapagos Islands are renown for their unique flora and fauna, inspiring Charles Darwin in the elaboration of his theory of evolution. Yet in his Voyage of the Beagle, published in 1839, Darwin also remarked on the fascinating geology and volcanic origin of these enchanted Islands. Since then, the Galapagos continue to provide scientists with inspiration and invaluable information about ocean island formation and evolution, mantle plumes, and the deep Earth. Motivated by an interdisciplinary Chapman Conference held in the Islands, this AGU volume provides cross-disciplinary collection of recent research into the origin and nature of ocean islands, from their deepest roots in Earth's mantle, to volcanism, surface processes, and the interface between geology and biodiversity. Volume highlights include: Case studies in biogeographical, hydrological, and chronological perspective understanding the connection between geological processes and biodiversity synthesis of decades of interdisciplinary research in physical processes from surface to deep interior of the earth. In-depth discussion of the concept of the island acting as a natural laboratory for earth scientists Integrated understanding of the Galapagos region from a geological perspective collectively, The Galapagos presents case studies illustrating the Galapagos Archipelago as a dynamic natural laboratory for the earth sciences. This book would be of special interest to a multidisciplinary audience in earth sciences, including petrologists, volcanologists, geochronologists, geochemists, and geobiologists"--

"This book has an international broad scope. It should be of interest to a wide multi-disciplinary audience in USA, European countries and other countries"--
