Record Nr. UNINA9910815905703321 Tectonic, climatic, and cryospheric evolution of the Antarctic Peninsula **Titolo** // John B. Anderson and Julia S. Wellner, editors Pubbl/distr/stampa Washington, DC,: American Geophysical Union, c2011 **ISBN** 1-118-66766-2 1-118-67241-0 1-118-67167-8 Edizione [1st ed.] Descrizione fisica 1 online resource (225 p.) Collana Special publication;;63 Altri autori (Persone) AndersonJohn B. <1944-> WellnerJulia S Disciplina 559.89 Soggetti Climatic changes - Antarctica Geology - Antarctica Geology, Stratigraphic - Cenozoic Morphotectonics - Antarctica Antarctica Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Title Page; Contents; Preface; Introduction; A Different Look at Gateways: Drake Passage and Australia/Antarctica; Exhumational History of the Margins of Drake Passage From Thermochronology and Sediment Provenance; Seismic Stratigraphy of the Joinville Plateau: Implications for Regional Climate Evolution; Age Assessment of Eocene-Pliocene Drill Cores Recovered During the SHALDRIL II Expedition, Antarctic Peninsula; Magnetic Properties of Oligocene-Eocene Cores From SHALDRIL II, Antarctica History of an Evolving Ice Sheet as Recorded in SHALDRIL Cores From the Northwestern Weddell Sea, AntarcticaCenozoic Glacial History of the Northern Antarctic Peninsula: A Micromorphological Investigation of Quartz Sand Grains; Last Remnants of Cenozoic Vegetation and Organic-Walled Phytoplankton in the Antarctic Peninsula's Icehouse World; Vegetation and Organic-Walled Phytoplankton at the End of the Antarctic Greenhouse World: Latest Eocene Cooling Events; AGU

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## Sommario/riassunto

Published by the American Geophysical Union as part of the Special Publications Series. Tectonic, Climatic, and Cryospheric Evolution of the Antarctic Peninsula presents the analysis of data collected during the SHALDRIL program, which sampled the most complete Cenozoic stratigraphic section in the Antarctic Peninsula. The stratigraphic intervals sampled fill major gaps in the existing stratigraphic record in the region, which is believed to have been the last place in Antarctica to become fully glaciated and, as such, the last refugium for plants and animals living on the