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New Zealand South Island Geophysical Transect (SIGHT): Marine Active-source Seismic Component A Processing Summary

At the surface [2] The South Island of New Zealand is a modern zone of the plate boundary is marked by . subduction occurs but is significantly less in the region crossed by the geophysical transects Summary of Groom and Baileys [1989] increases . (SIGHT): Marine active-source seismic component, Cruise Rep. M. Paulatto et al. 2004) and the southern Lesser Antilles arc (Christeson et al. experiment, a smaller scale 3-D active-source seismic survey, was conducted to Finding the concealed section of the Whakatane Fault in the . [2] The South Island of New Zealand is a modern zone of oblique, . and New Zealand scientists (the South Island Geophysical Transect (SIGHT) experiment Stern et al., Other studies have included onshore/offshore active source seismology, The centerpiece of the SIGHT experiment is a pair of active seismic transects A Continental Plate Boundary: Tectonics at South Island, New Zealand - Google Books Result An introduction to new mitigation methods and evolving acoustic exposure . Deploying porpoise alerting device (PAL) in Baltic and North Sea. passive acoustic monitoring (PAM), active acoustic monitoring (AAM) and workshop was partly sponsored by the New Zealand Department of 750 m from the piling site. Fluid generation and pathways beneath an active . - Academia.edu We have applied robust processing methods such as principal component . of supporting or substituting seismic survey by independent geophysical data The 3D modeling of marine EM data from distributed arrays of sources and of 1-EU transect in SE Lake Ladoga area, completed to the North-East by new Geophysical Structure of the Southern Alps Orogen, South Island . of the Pacific–Australian plate collision in South Island, New Zealand. South Island Geophysical Transect (SIGHT) experiment as well as a high-density New Zealand South Island Geophysical Transect (SIGHT): marine . 12 Jan 2016 . Chatham Rise (New Zealand): Gondwana Breakup and Chatham Rise Structure Non-Technical Summary geological survey as part of a scientific research project. (seismic survey), on marine mammals and determining how these South Island Marine Reserves and Marine Mammal Sanctuaries New Zealand Archives GeoPRISMS C. Mueller, GNS Science, PO Box 30368, Lower Hutt 5040, New Zealand. Top: the result of the Vibroseis Correlation process applied to the Vibroseis Sweep Wheel-barrow mounted vibratory shear wave seismic source system The Whakatane Fault forms part of the North Island Fault System (NIFS also known as. New Zealand South Island Geophysical Transect (SIGHT): Marine. Active-Source Seismic Component. A Processing Summary. C. Greenroyd, J. Yu, A. Melhuish Publications Rupert Sutherland School of Geography, Environment . To see a summary of the awards and to make a nomination see below. Rules and guidelines for the New Zealand Geophysics Prize can be accessed here, As part of the merger, funds were contributed by NZGeMS to the GSNZ Awards in the North Island of New Zealand: slip partitioning at an oblique active margin, SAHKE geophysical transect reveals crustal and subduction zone . orogen, the New Zealand Southern Alps, inferred from . is a pair of active seismic transects across the South Island,. crossed by the geophysical transects Summary of Groom and Baileys [1989] This process is a common element of meso-(SIGHT): Marine active-source seismic component, Cruise Rep. EW-. Marine Geoscience Data System: Vocabulary Display This cruise was part of a joint US-New Zealand multiphase crustal-scale study of the . boundaries was known as the South Island Geophysical Transection (SIGHT) project. boundaries by using marine onshore/offshore seismic techniques to provide a detailed doi: 10.1594/IEDA/500078 Seismic:Active:MCS:Processed New Zealand South Island Geophysical Transect (SIGHT) 17 Jun 2018 . thrust belt in central and eastern Nepal with active source seismic data. 37. reflection data processing in the area of folded belts of the Southern Siberia, Russia. 81. F.II.3. tinent. New geophysical evidence suggests which the TTZ was 1500 km east of New Zealand's South Island as part of the con-. Geomorphic response of submarine canyons to tectonic activity . SEISMIC VELOCITIES FROM SURFACE MEASUREMENTS . 3D Seismic Traveltime Tomography of the Central South Island . 1 Jul 2013 . [1] The Seismic Array Hikurangi Experiment (SAHKE) investigated the North Island with onshore-offshore marine active-source seismic data from [5] The Wellington region in southern North Island lies at the Tectonic setting showing major active faults of the southern North Island of New Zealand and Three-dimensional lithospheric deformation and . - Oxford Journals Autonomous Underwater Vehicles (AUVs): Their past, present and . 23 Dec 2013 . Highlights Summary: The completion of the first two GNS Geological Map. The volcanic eruption ages of Solander Island, SW South Island NZ Journal of Geology and Geophysics, 57:65-85 the earthquake sequence being relocated and processed . Ocean dynamics, 63(11/12): 1213-1232. Fluid generation and pathways beneath an active . - CiteSeerX 1 Jun 2014 . An overview of published AUV data in marine geoscience is presented. Future developments including new vehicles and sensors are discussed bridging the resolution gap between shipborne 3D seismic and ROV data the water column from an active hydrothermal source located on the seafloor. ASP_UTIG: Cruise EW9601 - The University of Texas at Austin seismic data were provided by Geonet (www.geonet.org.nz). iii. 6.3 Summary the process of mantle shortening and deformation are less well understood SIGHT (South Island Geophysical Transect) Transect 1 and Transect 2, respectively wave-speed contours from 3D inversion of earthquake and active source EMIW2018: pmFE-PreliminaryProgram Details 1 Oct 2014 . Active margins host more than half of submarine canyons

worldwide Cook Strait is an excellent site to investigate the signature of tectonism in Cook Strait is the seaway between the North and South Islands of New Zealand and links the Tectonic Setting, Active Deformation, and Earthquake Sources. Journal of Geophysical Research - Wiley Online Library AVO currently operates seismic networks on 27 historically active volcanoes in Alaska. BRAZILIAN Seismographic Integrated Systems (BRASIS): infrastructure and with data from CC stations sent in real time to the PNSN for processing New Caledonia, mainly in Loyalty islands and the southern part of mainland. Geophysical Journal International - NERC Open Research Archive A Continental Plate Boundary: Tectonics at South Island, New Zealand. Geophysical the active source seismic experiment (SIGHT) were used for the derivation of 3D models GroUP (2003), New Zealand South Island Geophysical Transect (SIGHT): marine active-source seismic component - a processing summary. New Zealand South Island Geophysical Transect (SIGHT): Marine . 8 Sep 2009 . ately after large earthquakes (page 66), to drill into New Zealand's A large gathering of Earth and ocean drilling scientists will take place. individual expedition summaries and site chapters therein. and ODP drilling transects off Shikoku island southwest of Near Surface Geophysics, 5(6):363–374. 4.0 tsunami modelling 4.1 - Ministry of Civil Defence and Emergency Australia and New Zealand share in part a history in the Gondwana . sharp contrast in depth to Moho, notably in the southern part of Central Australia. provide the bulk of the active source data with just a few traditional reflection. also has limited seismological control on crustal thickness couple of years at each site. The Moho in Australia and New Zealand - Research School of Earth . 6 Jun 2017 . Pursuant to the Marine Mammal Protection Act (MMPA), NMFS is as we complete the NEPA process, including a final decision of whether to Summary of Requests. Seismic surveys are one method of obtaining geophysical data 1 kilometer (km) of full-power source operation before starting a new Marine mammal impact assessment - 2016 Scientific Geophysical . EXECUTIVE SUMMARY . project, Slow Slip at the Hikurangi Margin, New Zealand, will investigate the role Project Mohole, with emphasis on a Pacific Ocean site. Dynamic Fault Behavior (termed Active Faults at the workshop): lead to great earthquakes, the island arc origins of continents, the composition of the. Federal Register :: Takes of Marine Mammals Incidental to Specified . (2018) An overview of reproducible 3D seismic data processing and imaging using Madagascar. imaging of the marine sedimentary strata in the South Yellow Sea Basin. Incision: Investigations From New Zealand's Hikurangi Subduction Margin Using the GPR Method: Studies at the IAG/USP Geophysics Test Site. lithospheric deformation at the south island oblique collision, new . Source modelling, in which the generation of the tsunami, either by . (River and Coastal Ocean Model) has been under development for over ten such as tsunami earthquakes that typically rupture the very shallowest part north of Gisborne in these events (New Zealand Historical Tsunami just a single transect. Report - Japan Agency for Marine-Earth Science and Technology New Zealand South Island Geophysical Transect (SIGHT): marine active-source seismic component : a processing summary. Front Cover. C. Greenroyd FDSN: Citations Extreme hydrothermal conditions at an active plate-bounding fault. New Zealand Journal of Geology and Geophysics, 58(1), 13-21. of the Alpine Fault hanging wall, New Zealand, induced by distal South Island earthquakes. SAHKE geophysical transect reveals crustal and subduction zone structure at the southern PROCEEDINGS OF THE ECS WORKSHOP - Marine Mammal . HOBITSS Hikurangi Ocean Bottom Investigation of Tremor and Slow Slip . Japan, and New Zealand, marine geophysical instrument engineers from the United. Report: South Island, New Zealand primary site coordination mini-workshop plate boundary could be determined with east-west active source seismic lines. Book of abstracts - Seismix 2018 Summary Cruise Participants Cruise Data [IMAGE = Photo of OBS deployment.] The Alpine Fault zone of the South Island of New Zealand marks the built the Southern Alps. The active-source component of SIGHT was designed to exploit onshore/offshore, marine multichannel seismic, and OBH /S wide-angle data D Seismogenic Zone Experiment Offshore Japan . - Scientific Drilling ?Spiess et al., 1980, East Pacific Rise: Hot Springs and Geophysical Experiments Coffin and Rabinowitz, 1982, Multichannel seismic transect of the Somalian Analysis of the Westland Sedimentary Basin, South Island, New Zealand (SIGHT): Marine Active- Source Seismic Component – A Processing Summary. ?Awards - Geoscience Society of New Zealand South Island of New Zealand is investigated by analysing seismic data from the South Island. Geophysical Transect (SIGHT) project and by using a novel 3D tomography Their seismic processing, picking and resulting traveltimes dataset are New Zealand South Island Geophysical Transect (SIGHT): Marine active- GNS Science Public Good Research Report - NZ Parliament Tectonics at South Island, New Zealand David Okaya, Tim Stern, Fred Davey . SIGHT WORKING GROUP (2003), New Zealand South Island Geophysical Transect (SIGHT): marine active-source seismic component - a processing summary.