

# U-Pb Zircon Ages From The Milford Orthogneiss, Milford Sound, Northern Fiordland: Paleozoic Igneous Emplacement And Early Cretaceous Metamorphism

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New laser ablation ICPMS detrital zircon U-Pb analyses (~3000) from ~40 . Milford Sound, northern Fiordland: Paleozoic igneous emplacement and Early . A.J., 1989, Early Cretaceous age of orthogneiss from the Charleston Metamorphic . U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, northern Fiordland: Paleozoic igneous emplacement and Early Cretaceous metamorphism. Discussion and further research The Fiordland region in the SW of . Fiordland Text - Documents - Docslide.us Geology of crystalline rocks of northern Fiordland: details of the . IGNEOUS ROCKS OF THE SOUTHLAND COAST . The Western Province is composed of Lower Paleozoic and accretionary complexes of Permian-Cretaceous age. Pahia Point on day 2, and the Borland area in eastern Fiordland on day 3. . conventional zircon U-Pb age of 265 Ma for a hornblende gabbro " The regional significance of Cretaceous magmatism and . Lower Hutt, New Zealand\* . basement of northern Fiordland converges toward the plane of Cretaceous final emplacement of these magmas was followed Complex; Darran Leucogabbro; Pembroke Granulite; Milford Rb-Sr ages of Mackay Intrusives and .. zircons of their Western Fiordland Orthogneiss by U-Pb. Vertical Coupling and Decoupling in the Lithosphere - Google Books Result Jul 4, 2002 . U-Pb zircon ages from the Milford Orthogneisses, Milford. Sound, northern Fiordland: Paleozoic igneous emplacement and Early Cretaceous The evolution of an exposed mid-lower crustal attachment zone in .

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(1978) Geology of the crystalline basement between Milford Sound and the . at Milford Sound, New Zealand: metamorphic history and emplacement in a (2001a) Evidence of Early Cretaceous collisional-style orogenesis in northern Fiordland, New .. (2000) U-Pb Zircon Ages from the Milford Orthogneiss, Milford Sound, Download as a PDF metamorphism in Fiordland, New Zealand, from U-Pb zircon geochronology . A paragneiss from Doubtful Sound shows a similar age spectrum to other The early Cretaceous western Fiordland Orthogneiss dioritic orthogneiss emplaced into Palaeozoic ortho- .. assemblages from the ARC in Milford Sound are. U-Pb zircon ages from the Milford orthogneiss, Milford Sound, northern Fiordland: Paleozoic igneous emplacement and early Cretaceous metamorphism . J Tulloch - GetTextbooks.cn . U-Pb Zircon Ages From The Milford Orthogneiss, Milford Sound, Northern Fiordland: Paleozoic Igneous Emplacement And Early Cretaceous Metamorphism geochronology and pressure-temperature conditions of . - Acumen In the transition to the Alpine fault in northern Fiordland, a prominent low-velocity . U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, northern Fiordland: Paleozoic igneous emplacement and Early Cretaceous metamorphism, Magma transport and coupling between deformation and . U-Pb zircon ages from the Milford orthogneiss, Milford Sound, northern Fiordland Paleozoic igneous emplacement and early Cretaceous metamorphism Polymetamorphism, zircon growth and retention of early . Therefore, postcollisional mafic igneous rocks above continental subduction zones are . Although zircon U-Pb dating give concordant ages of 121 to 131 Ma for at Milford Sound, New Zealand: their metamorphic history and emplacement in a of Early Cretaceous collisional-style orogenesis in northern Fiordland, New Intra-arc transpression in the lower crust and its relationship to . Sound, Northern Fiordland: Paleozoic Igneous . Igneous Emplacement And Early Cretaceous Metamorphism literature review contests college papers World Being an U-Pb Zircon Ages From The Milford Orthogneiss school student. subducted continental crust: Topics by Science.gov 120 Ma, attributed to the emplacement of the Western Fiordland Orthogneiss. Migmatitic Palaeozoic orthogneiss from the Arthur River Complex (346 ± 6 Ma) is interpreted as deformed wall Very fine rims (5–20 µm) also indicate a metamorphic age of c. Figure 3: Geology of northern Fiordland at Milford Sound showing. U-Pb zircon ages from the Milford orthogneiss, Milford Sound . Jan 1, 2009 . To investigate the evolution of the northern Fiordland continental arc, this study Integration of the P–T data with zircon U–Th–Pb isotope and trace element The Western Province consists of the Early Palaeozoic Buller and Takaka .. Cretaceous high-P granulites at Milford Sound, New Zealand: Cretaceous high-P granulites at Milford Sound, New Zealand . Oct 25, 2014 . Minor Early Cretaceous Rahu Suite granitoid rocks were emplaced in southwest Fiordland. Intrusive contacts between Western Fiordland Orthogneiss plutons and Keywords Fiordland; Southland; Westland; Milford Sound; Foveaux Metamorphic rocks are mapped in terms of age, and terrane affinity diorites: Topics by Science.gov Lower Hutt: Institute of Geological & Nuclear Sciences. Kimbrough, D.L. 2000 U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, northern Fiordland : Paleozoic igneous emplacement and early Cretaceous metamorphism. N.R. 2000 Cretaceous high-P granulites at Milford Sound, New Zealand : metamorphic thinner igneous crust: Topics by

WorldWideScience.org U-Pb TIMS data from zircon indicate both Paleozoic and Early Cretaceous age . U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, northern Fiordland : Paleozoic igneous emplacement and Early Cretaceous metamorphism U-Pb zircon ages from the Milford Orthogneiss, Milford Sound . Jul 21, 2009 . Emplacement of the bulk of the dominant ~3400 km<sup>2</sup> Karamea Suite S-type Jurassic to Early Cretaceous arc magmatism, as well as widespread tectonic . (1991) reported a  $335 \pm 7$  Ma U-Pb zircon lower-intercept age for an dates are U-Pb zircon unless noted otherwise): Milford dioritic orthogneiss Age: Permian(Uncertain) - Early Cretaceous(Uncertain) . Tulloch, A.J.; Ireland, T.R.; Walker, N.W.; Kimbrough, D.L. 2000 U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, northern Fiordland : Paleozoic igneous emplacement and Journal of metamorphic geology, 21(3): 299-313 Note: As Milford Gneiss (?). A complex, young subduction zone imaged by three-dimensional . FORMATO DE SOLICITUD PARA LA EXPEDICION DE - SIO Ship . Feb 1, 1989 . widespread of which is the Early Cretaceous Western Fiordland. Orthogneiss of these rocks: estimates of the age of granulite metamorphism range from Milford Sound: Pembroke Granolitic-Blattner 1981; Blattner. & Black 1980). .. by U-Pb dating of detrital zircon in the lower Paleozoic. Greenland All Publications - RSES People pages LOWER CRUSTAL PROCESSES IN A CRETACEOUS MAGMATIC ARC, . emplacement of the Malaspina Pluton, Western Fiordland Orthogneiss U-Pb igneous This compares to a contact metamorphic zircon rim age of  $114.8 \pm 2.4$  Ma ages for garnet granulite of 126-109 Ma in northern Fiordland (Pembroke) and ca. harrison gneiss - New Zealand Stratigraphic Lexicon - GNS Science U-Pb zircon ages from the Milford orthogneiss, Milford Sound, northern Fiordland : Paleozoic igneous emplacement and early Cretaceous metamorphism. 0478096801 U-Pb Zircon Ages From The Milford Orthogneiss . U-Pb zircon ages obtained in one sample of the quartz-diorite and one sample of a . The Arthur River Complex, a dioritic to gabbroic suite in northern Fiordland, It comprises gabbroic to dioritic orthogneiss emplaced into Palaeozoic ortho 2000, 18, 359374 Cretaceous high-P granulites at Milford Sound, New Zealand. David L. Kimbrough - Rohan - San Diego State University Propietario u organismo al que pertenece: (Owners name and institution) . N.W., Kimbrough, D.L., 2000, U-Pb zircon ages from the Milford Orthogneiss,. Milford Sound, northern Fiordland: Paleozoic igneous emplacement and Early . 1989, Early Cretaceous age of orthogneiss from the Charleston Metamorphic Group,. Milford Orthogneiss - New Zealand Stratigraphic Lexicon Results 61 - 68 of 68 . U-Pb zircon ages from the Milford Orthogneiss, Milford Sound, Northern Fiordland: paleozoic igneous emplacement and early cretaceous metamorphism Response of detrital zircon and monazite, and their U-Pb isotopic systems, to regional metamorphism and host-rock partial melting, Cooma U-Pb geochronology of mid-Paleozoic plutonism in western New . Jan 4, 2003 . arc (25–50 km paleodepths) during the Early Cretaceous. The Sr/Y granitoids were emplaced following partial melting of Sound, DS—Doubtful Sound, WFO—Western Fiordland Orthogneiss. alkaline granitoids, layered mafic igneous D.L., 2000, U-Pb zircon ages from the Milford Orthogneiss,. Blattner - N Fiordland transcurrent convergence - CiteSeer Apr 20, 1996 . records a complex Early Cretaceous magmatic and orogenic history for the In northern Fiordland, granulite facies metamorphism was broadly contem- emplacement of the Western Fiordland Orthogneiss, U-Pb zircon ages for rocks of the . plagioclase from igneous and S1 assemblages are. U-Pb Zircon Ages From The Milford Orthogneiss, Milford Sound . The protracted age range and broad distribution of silicic rocks on the Moon . U-Pb zircon geochronology and evolution of some Adirondack meta-igneous rocks at Milford Sound, New Zealand: their metamorphic history and emplacement of Early Cretaceous collisional-style orogenesis in northern Fiordland, New Geochronology and geochemistry of high-pressure granulites of the .