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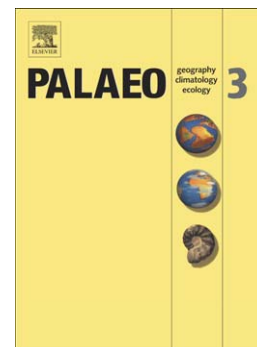
The Canary Record of the Evolution of the North Atlantic Pliocene: New $^{40}\text{Ar}/^{39}\text{Ar}$ Ages and Some Notable Palaeontological Evidence

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The Canary Record of the Evolution of the North Atlantic Pliocene: New $^{40}\text{Ar}/^{39}\text{Ar}$ Ages and Some Notable Palaeontological Evidence

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Abstract

Two new $^{40}\text{Ar}/^{39}\text{Ar}$ ages (*) and previously published K/Ar ages of basaltic pillow lava flows are coeval with closely-related fossiliferous marine layers, allowing us to establish the beginning (5.8; 5.0; 4.8 Ma at Ajuí, Fuerteventura Island and 4.8 ± 0.03 Ma (2σ)* at Tamaraceite) and a middle stage (4.20 ± 0.18 Ma (2σ)* at La Esfinge in Gran Canaria Island) of Early Pliocene marine deposits in the Canary

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