

IGDI

Eucrite, monomict breccia, Nuevo Laredo Trend



Found February 2000
29° 14' N., 8° 22' W.

A 1,470 g meteorite, recovered in several pieces, was found in Morocco. It contains plagioclase, pigeonite with exsolved clinopyroxene, silica, ilmenite, chromite, and troilite.

The Nuevo Laredo trend eucrites are thought to be the product of *in situ* crystallization of residual melts in a differentiating magma ocean. This origin is consistent with the decoupling between major elements and incompatible trace elements; on a plot of $Mg/(Mg + Fe)$ versus an incompatible element such as Ti, Igdi falls comfortably within the Nuevo Laredo trend meteorites. Continued research on this meteorite will reveal further details about its formation history. The above specimen of Igdi is a 2.2 g complete slice.

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