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Data for a specific record:

Northwest Africa 2737

Basic information	<p>Name: Northwest Africa 2737 This is an OFFICIAL meteorite name.</p> <p>Abbreviation: NWA 2737</p> <p>Observed fall: No</p> <p>Year found: 2000</p> <p>Country: Morocco</p> <p>Mass: 611 g</p>
Classification:	<p><input checked="" type="checkbox"/> Meteoritical Bulletin: Martian (chassignite)</p> <p>Recommended: Martian (chassignite) [explanation]</p> <p>This is 1 of 2 approved meteorites classified as Martian (chassignite). [show all] Search for other: Planetary meteorites, Martian meteorites</p>
Comments:	<p>Approved 1 Jul 2005</p> <p>Revised 3 Feb 2006: Revised writeup</p>
Writeup, from MB 90:	<p>Northwest Africa 2737</p> <p>Morocco Find: 2000 Achondrite (Martian, chassignite)</p> <p>History: In August 2000, meteorite collectors discovered a stone fragmented into nine pieces (308 g, 128 g, 74 g, 47 g, 38 g, 6.4 g, 3.3 g, 2.0 g, and 4.3 g for a total mass of 611 g) in the western part of the Sahara.</p> <p>Petrography and Geochemistry: (P. Beck, Ph. Gillet, B. Reynard, B. van de Moortele, <i>ENSL</i>; J.A. Barrat, M. Bohn, I. Cotton, <i>UBO</i>) Olivine (Fo_{78.2-79.1}; Mn/Fe = 0.018; ~89.6 vol%), chromite (4.6 vol%), low-Ca pyroxene (En_{78.5}Wo_{2.7}Fs_{18.8} to En_{76.6}Wo_{3.2}Fs_{20.2}), high-Ca pyroxenes (En_{73.5}Wo_{8.0}Fs_{18.5} to En_{64.0}Wo_{22.1}Fs_{13.9}; Mn/Fe 0.030 [total of low- and high-Ca pyroxene ~4.1 vol%]), and sanidine glass (~1.6 vol%) with traces of apatite. The texture is that of a cumulate dominated by mm-size anhedral to subhedral olivine crystals, sometimes poikilitically enclosed in augite (En_{54.6}Wo_{32.8}Fs_{12.6} to En_{46.7}Wo_{44.1}Fs_{9.2}). Oxygen isotopes: (I. Franchi, R. Greenwood, <i>OU</i>) δ¹⁷O = 2.40, δ¹⁸O = 4.02, Δ¹⁷O = 0.315; δ¹⁷O = 2.30, δ¹⁸O = 3.85, Δ¹⁷O = 0.295 (all ‰, n = 2). Furthermore, NWA 2737 displays trace element abundances similar to Chassigny. For example, its REE pattern resembles that of Chassigny but with a more pronounced LREE enrichment.</p> <p>Classification: Achondrite (Martian, chassignite); highly shocked.</p> <p>Specimens: A 20 g type specimen is on deposit at <i>ENSL</i>. B. Fectay and C. Bidaut of La Mémoire de la Terre hold the main mass.</p>
Data from: MB90 Table 2	<p>Place of purchase: Morocco</p> <p>Date: 2000</p> <p>Mass (g): 611</p>