Shisr 160

Anorthositic regolith breccia

100.9 g

Figure 1: Image taken of Shisr 160 in the Omani desert. Sample is approximately 5 cm in width.

Introduction

Shisr 160 was found in the Omani desert (near Zufar) in 2008 (Fig. 1). The exterior has a dark fusion crust and terrestrial weathering. The interior is a dark gray matrix with white clasts throughout (Fig. 2).

Petrography

Little has been published about this sample since its announcement in the Meteoritical Bulletin in 2009 (Weisberg et al., 2009).

Figure 2: Slice through Shisr 60 illustrating the dark matrix and the presence of many white feldspathic clasts (photo courtesy of Ted Bunch).

Chemistry

INAA analysis of Shisr 160 reveals that this sample has very similar composition (e.g.; 0.9 ppm Sm and ~ 7 ppm Sc) to many other feldspathic regolith breccia meteorites such as NWA 2200, Dhofar 302, and NWA 482. (Korotev et al., 2009a).

Radiogenic age dating

None yet reported.

Cosmogenic isotopes and exposure ages

None yet reported.

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