



Figure 1: Shows that 64566 is a complex mix of glass and light colored breccia.

64566 – 14.1 grams Impact Melt Breccia

Introduction

64566 was collected as a rake sample from 64500.

Petrography

It is a complex mix of glass and impact melt. Mineralogy has not been reported.

Chemistry

McKinley et al. (1983) and Korotev (1994) appear to have analyzed the sample.

Radiogenic age dating

none

Processing

There is only one thin section and I don't have access to it.

References for 64566

Butler P. (1972a) Lunar Sample Information Catalog Apollo 16. Lunar Receiving Laboratory. MSC 03210 Curator's Catalog. pp. 370.

Korotev R.L. (1994) Compositional variation in Apollo 16 impact melt breccias and inferences for the geology and bombardment history of the central highlands of the Moon. *Geochim. Cosmochim. Acta* **58**, 3931-3969.

LSPET (1973b) The Apollo 16 lunar samples: Petrographic and chemical description. *Science* **179**, 23-34.

McKinley J.P., Taylor G.J., Keil K., Ma M.-S. and Schmitt R.A. (1984) Apollo 16: Impact sheets, contrasting nature of the Cayley Plains and Descartes Mountains, and geologic history. *Proc. 14th Lunar Planet. Sci. Conf.* in *J. Geophys. Res.* **89**, B513-B524.

Ryder G. and Norman M.D. (1980) Catalog of Apollo 16 rocks (3 vol.). Curator's Office pub. #52, JSC #16904

Sutton R.L. (1981) Documentation of Apollo 16 samples. In *Geology of the Apollo 16 area, central lunar highlands.* (Ulrich et al.) U.S.G.S. Prof. Paper 1048.

