64477 – 19.3 grams
Impact Melt Breccia

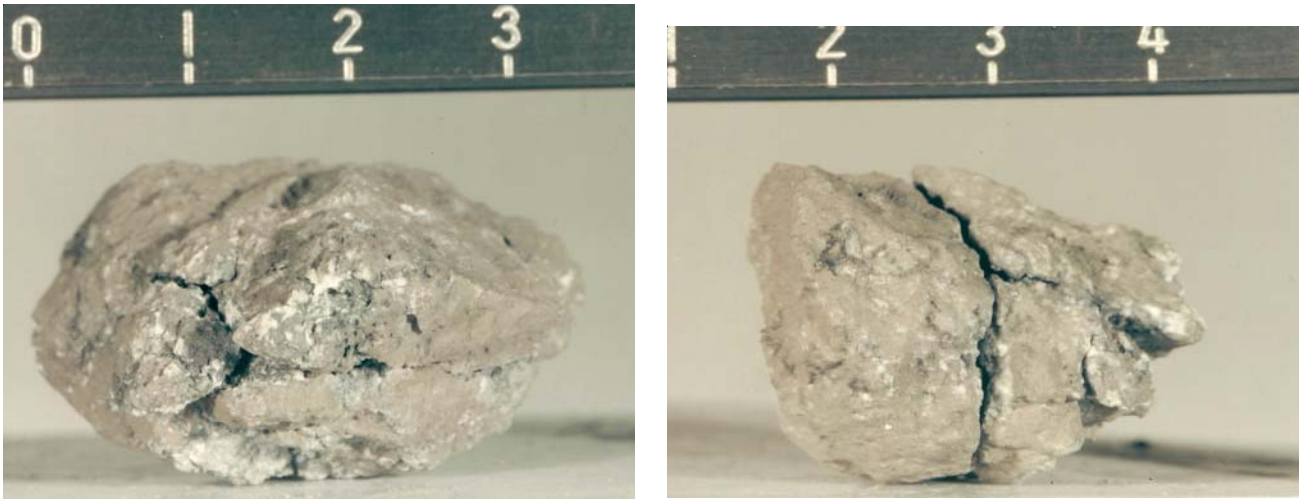


Figure 1 a,b: Photos of two sides of 64477. Scale in cm. S72-40143 and 129

Introduction
64477 is part of the residue of doc bag #3 which included 64475 and 64476.

Petrography
Warner et al. (1973) termed 64477 "cataclastic anorthosite to light matrix breccia plus mesostasis-rich basalt".

Chemistry
none

Radiogenic age dating
none

Processing
There are 2 thin sections of 64477.

References for 64477

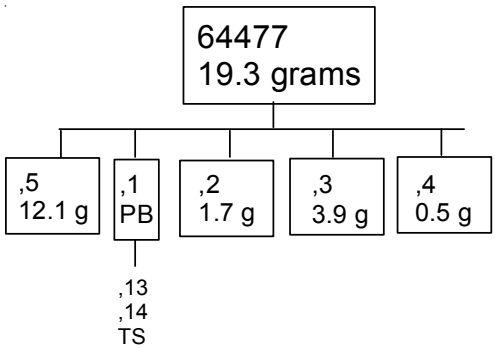
Butler P. (1972a) Lunar Sample Information Catalog Apollo 16. Lunar Receiving Laboratory. MSC 03210 Curator's Catalog. pp. 370.

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

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.

Warner J.L., Simonds C.H. and Phinney W.C. (1973b) Apollo 16 rocks: Classification and petrogenetic model. *Proc. 4th Lunar Sci. Conf.* 481-504.



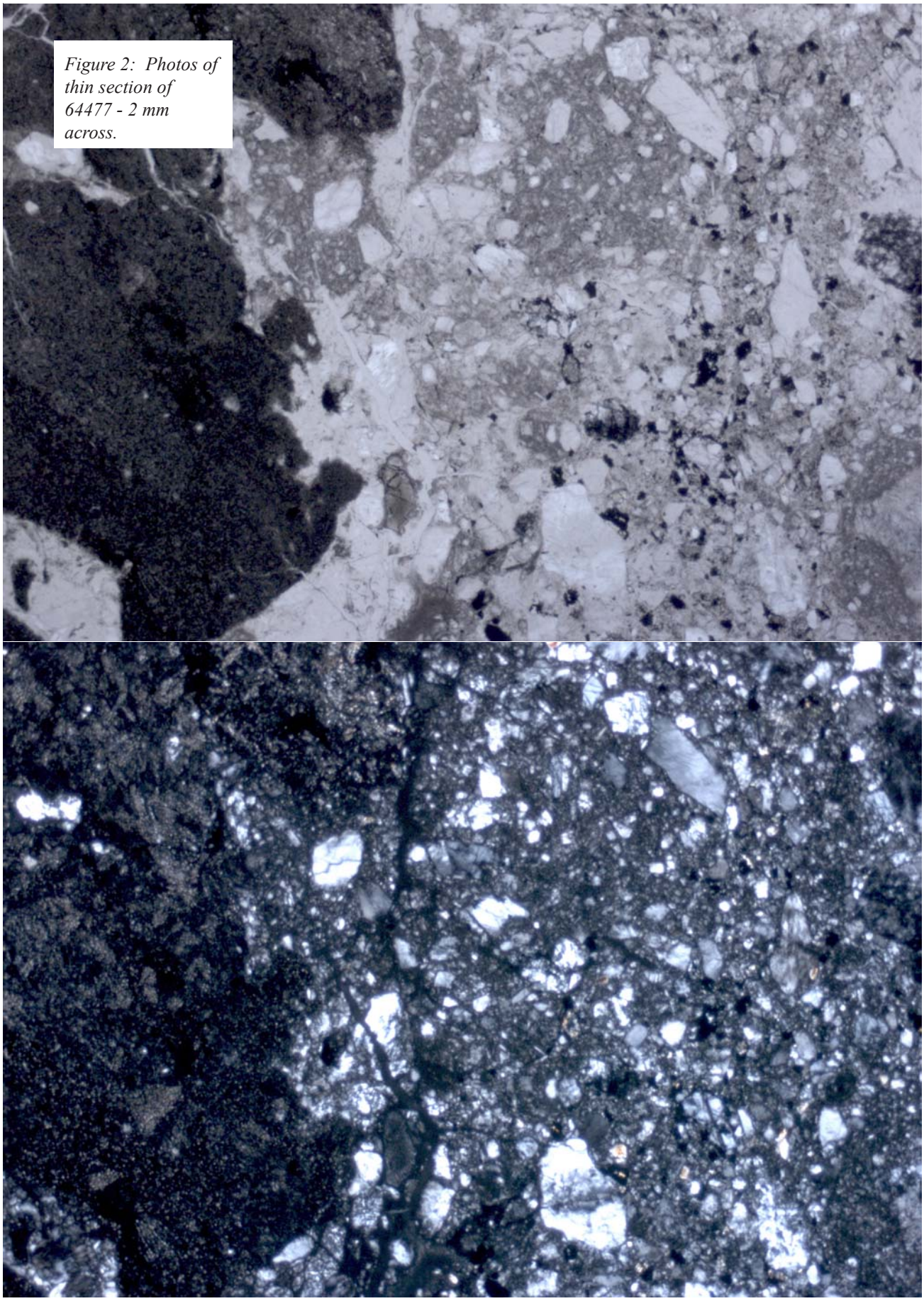


Figure 2: Photos of thin section of 64477 - 2 mm across.