

69945
Micropoikilitic Impact Melt
6.88 grams



Figure 1: Photo of 69945. Scale in cm. S72-40137.

Introduction

69945 is a fine-grained, poikilitic impact melt collected from the soil adjacent to boulder 69935/55. It appears to be more mafic than most poikilitic Apollo 16 breccias and has only minor clasts (figure 2).

Norman et al. (2006) determined that 69945 was 3.877 ± 0.011 b.y. old (figure 4).

Processing

69945 was sawn to produce an end piece which broke (figure 3). There are 5 thin sections of 69945.

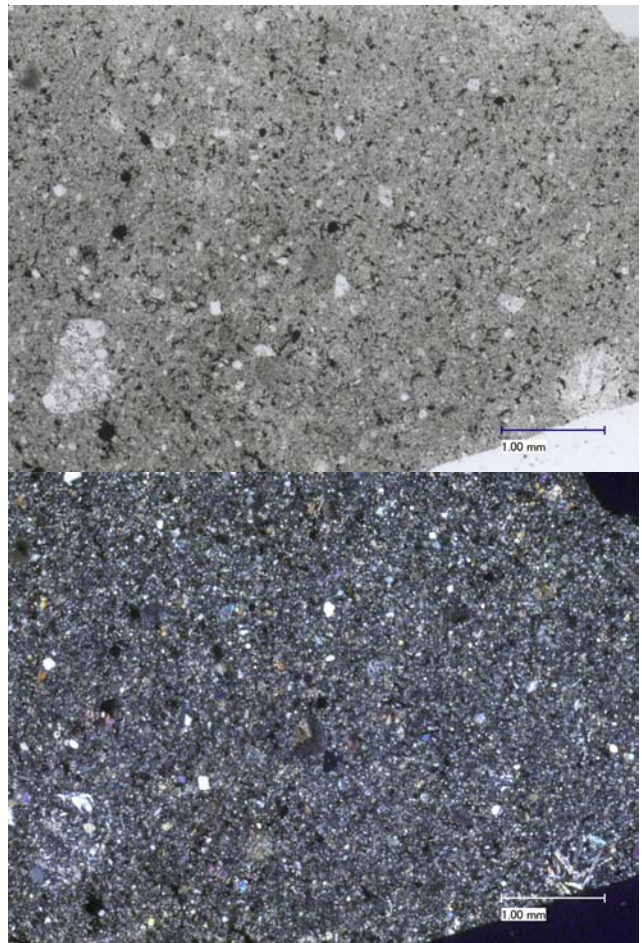


Figure 2: Photomicrographs of 69945, 12 by C Meyer @ 50x.

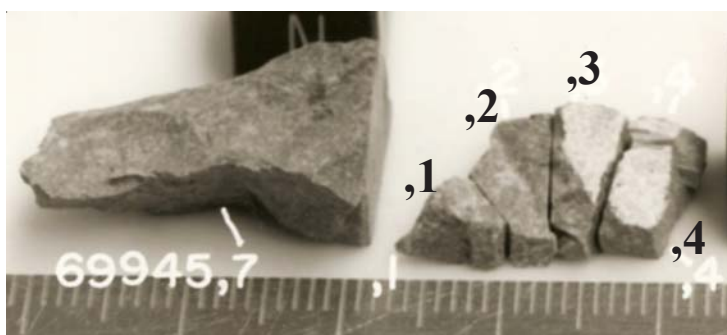


Figure 3: Processing photo of 69945 showing small slab.
Scale in cm. S73-31662.

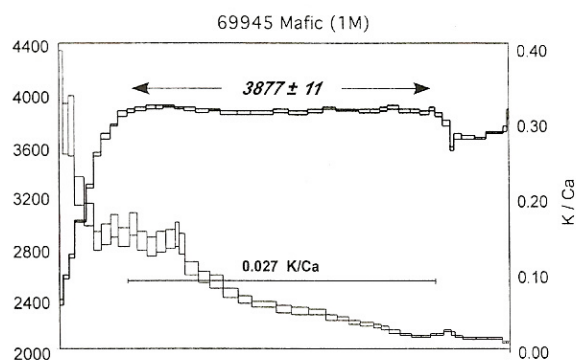
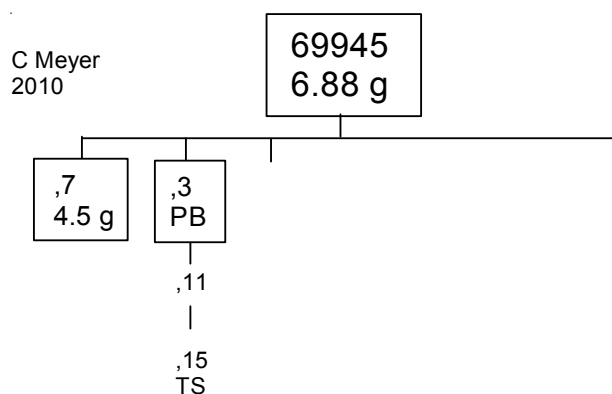


Figure 4: Ar/Ar plateau diagram for 69945 (Norman et al. 2006).

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