

67739

Glass matrix Impact Breccia

2 grams

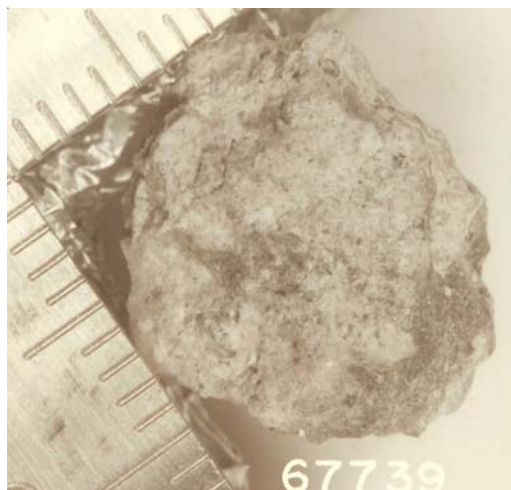


Figure 1: Photo of 67739. Scale in cm/mm. S72-51272

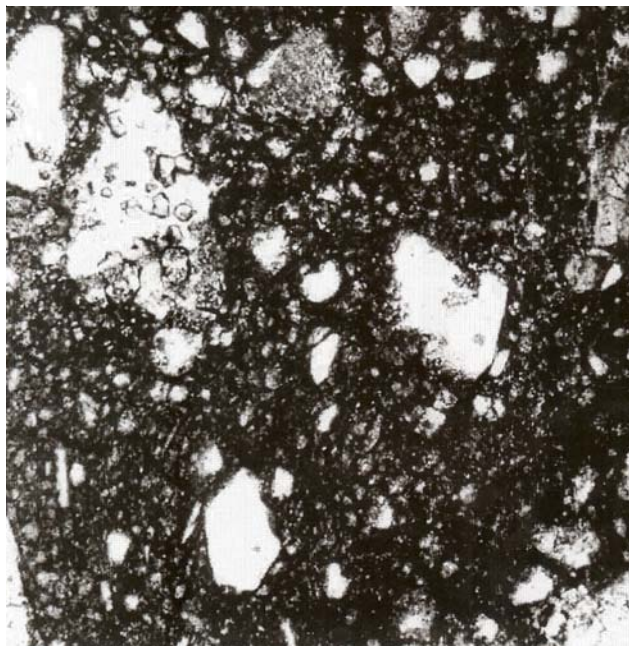


Figure 2: Thin section of 67739 showing glass matrix with clasts (from Ryder and Norman 1980).

Introduction

67739 is a rake sample collected from the rim of North Ray Crater – see section on 67701. It is a breccia with glass matrix and rare poikiloblastic impactite fragments (figure 2).

Petrography

67739 was studied by Steele and Smith (1973) who reported mineral analyses (figure 3). It has a brown color, probably due to glass. It has abundant plagioclase (An_{98-90}) and plagioclase-rich clasts. Mafic minerals and opaques are rare.

Chemistry

None

Radiogenic age dating

Not

Processing

There are two thin sections, from different chips.

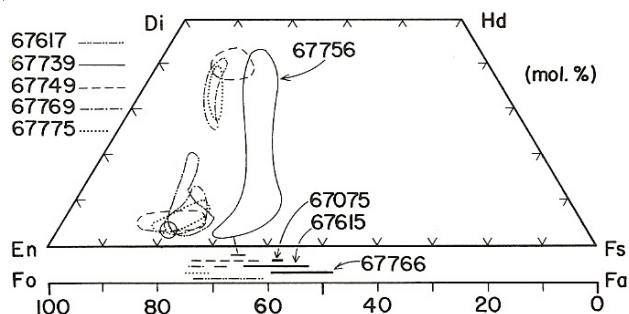
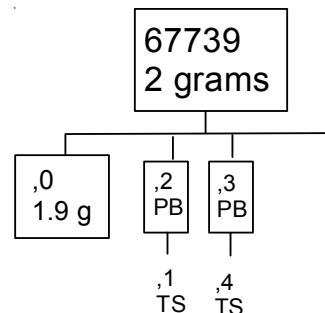


Figure 3: Composition of pyroxene and olivine in clasts in 67739 (Steele and Smith 1973).



References for 67739

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