

**67617**  
Impact Melt Breccia  
14.3 grams



Figure 1: Photo of 67617. Scale in mm. S72-51243

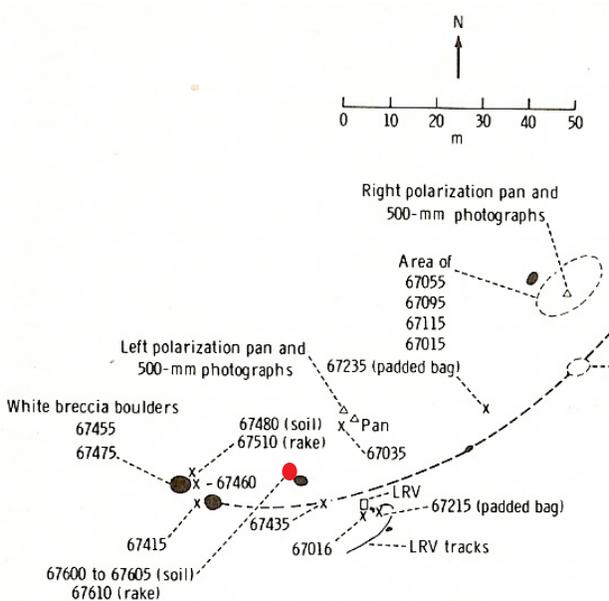


Figure 2: Map of south rim of NRC, A16.

**Introduction**

67617 is a moderately coherent impact melt breccia that was collected as a rake sample from the rim of North Ray Crater (NRC) – see section on 67601 (figures 1 and 2). It has zap pits on one surface.

**Petrography**

67617 has abundant plagioclase clasts held in a recrystallized, now-poikilitic matrix (Ryder and Norman 1980). Steele and Smith (1973) analyzed the pyroxene (figure 4) and the plagioclase  $An_{90-97}$ .

**Chemistry**

None reported

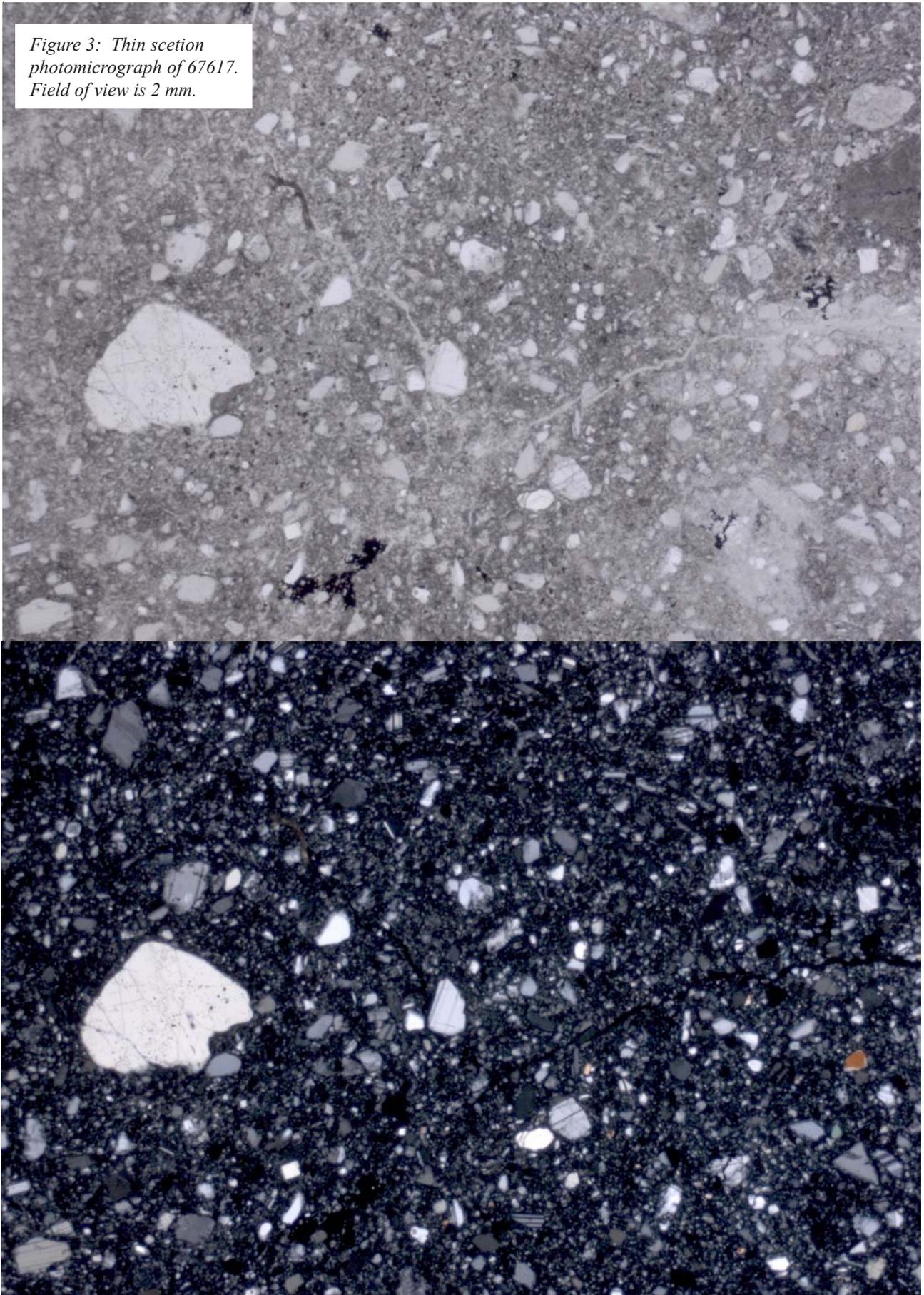
**Radiogenic age dating**

Nope

**Processing**

There are two thin sections.

*Figure 3: Thin section photomicrograph of 67617. Field of view is 2 mm.*



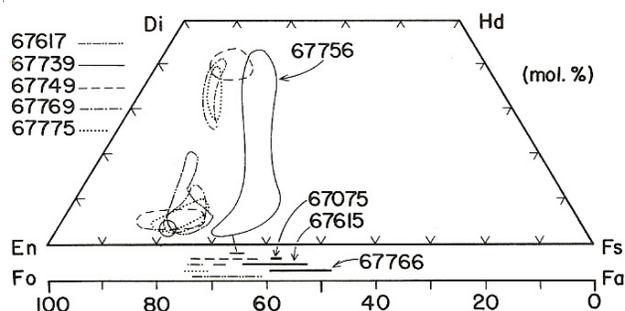
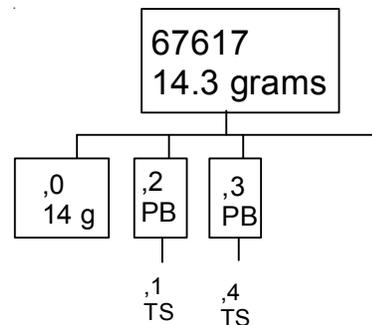


Figure 4: Pyroxene and olivine composition of 67617 and other Apollo 16 rake samples as per Steele and Smith (1973).



### References for 67617

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