

**65786** – 83 grams  
**65787** – 8.3 grams  
Glass-matrix Breccia



Figure 1a: Photo of 65786. Cube is 1 cm. S72-43403



Figure 1b: Photo of 65786 showing glass coating. S72-43415

### **Introduction**

65786 and 65787 are rake samples from station 5 – see sections on 65501 and 65701.

The importance of these two samples is that they appear to look like Apollo 14 breccias. However, they have not been studied, nor analyzed.

### **Petrography**

Ryder and Norman (1989) describe 65786 as: “a coherent, medium grey, polymict breccia with abundant glass in the matrix. Slickensides and abundant

*fractures are present on four surfaces. Greenish, vesicular glass thinly coats the other surfaces.”*

Figure 3 illustrates the dark brown, glassy matrix with abundant small clasts – mostly plagioclase-rich.

65787 appears similar (to this author), but it appears to have a ribbon of glass interior to the sample.



Figure 2: Photo of 65787 with mm scale. S72-48814

**Chemistry**

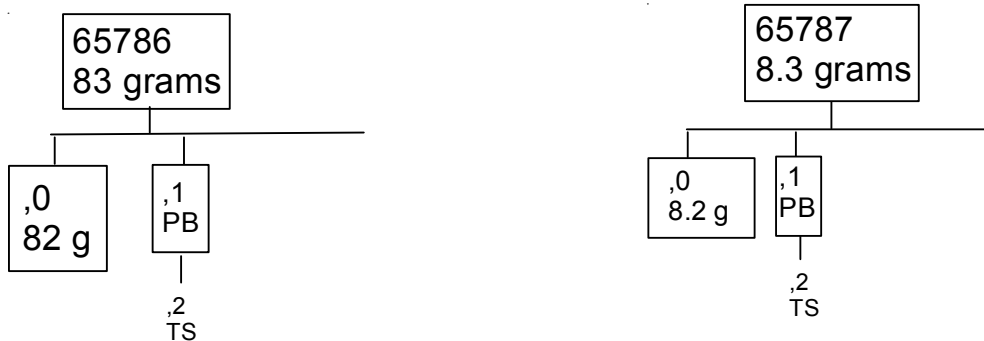
Not analyzed

**Radiogenic age dating**

None

**Processing**

There is one thin section each sample.



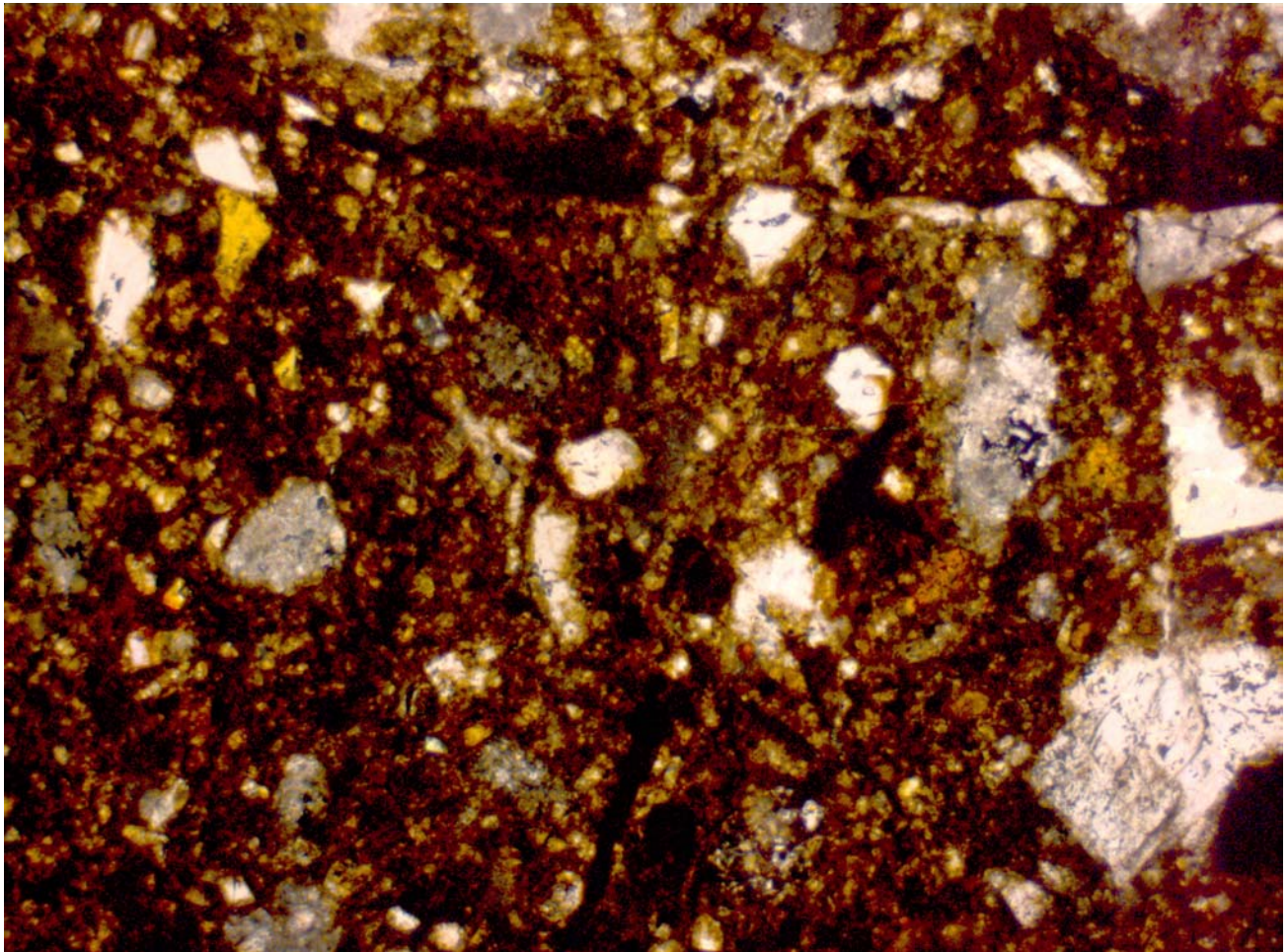


Figure 3: Photomicrograph of thin section 65786,2. Width of field is 2 mm.

#### References for 65786

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Keil K., Dowty E., Prinz M. and Bunch T.E. (1972) Description, classification and inventory of 151 Apollo 16 rake samples from the LM area and station 5. Curator's Catalog, JSC.

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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.