

74115**Friable Regolith Breccia
LRV-5, 15.4 g****INTRODUCTION**

74115 is a rounded, very friable sample of regolith breccia, collected from the light mantle 700 in northwest of Station 3. It is a light gray polymict breccia. The sample is the largest of 5 similar pieces picked from regolith sample 74110 that was collected as light mantle material. LRV-5 is on the ejecta blanket of a 15-m crater and 74115 probably represents ejecta, possibly lithified by the impact. The fragments were observed during preliminary examination to contain about 10% white clasts and

a trace of dark clasts in a light gray matrix. All the samples are rounded and shed fine-grained material.

PETROLOGY

74115 has a fine-grained matrix consisting of angular mineral and glass fragments (Fig. 1). Some of the larger clasts are lithic fragments including very dark glassy breccias, granulites, feldspathic breccias and feldspathic impact melts, as well as some high-Ti mare basalts. Orange glass balls and shards are conspicuous.

**PROCESSING AND
SUBDIVISIONS**

Little was originally done with the 5 samples (74115-74119) following their original separation from the regolith sample because they were so friable. 74115 was partly subdivided in 1984 to produce subchip ,1 (then 0.918) and some smaller pieces. ,1 was made into a potted butt and partly used for four thin sections. Other splits were allocated for analyses but no data has been reported.

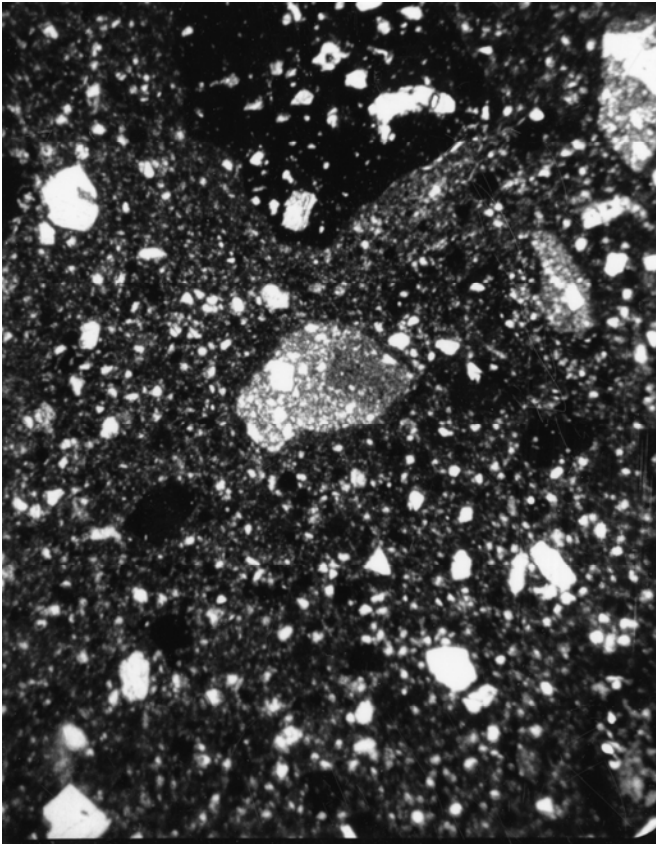


Figure 1: Photomicrograph of thin section 74115, 8 showing dense matrix and mineral clasts. At top is a dense glassy breccia clast, center is a granulite. Plane polarized light. Field of view about 2 mm wide.