

## 14009

Sample 14009 was collected as part of the contingency sample during the first EVA. It was collected, along with the other contingency samples (14001-14012) from the vicinity of the LM and these were returned in weigh bag 1039.

### PHYSICAL CHARACTERISTICS

Mass

1.09 g

Dimensions

0.7 x 0.9 x 1.3 cm

This is a medium gray, friable, polymict breccia with 3-5% clasts larger than 1mm.

### SURFACE FEATURES

There are no zap pits or cavities present. Two planar fractures occur parallel to one another spaced 1 mm apart.

### PETROGRAPHIC DESCRIPTION

This polymict breccia is texturally and mineralogically inhomogeneous. It is fine grained with an average grain size of less than 0.1 mm. Clasts larger than 1.0 mm comprise 3-5% of the rock and are all leucocratic. The largest clast is 3 mm across and contains milky feldspar and an unidentified yellow mineral. This clast may exhibit shock features but no thin section is available due to the small size of the sample. Both angular and spherical dark brown glass fragments account for 2-3% of those in the 0.2-1.0 mm size range. Four percent of the fragments in this range are cinnamon brown pyroxene, and 45% are leucocratic lithic fragments. The rest appears to be olivine.



Width of image is approximately 1.6 cm; S-71-25329