

14008

Sample 14008 was collected from the LM vicinity during the first EVA as part of the contingency sample. It was returned in weigh bag 1039 along with the rest of the contingency sample. (14001-14012).

PHYSICAL CHARACTERISTICS

Mass

4.35 g

Dimensions

2.3 x 1.4 x 0.9 cm

Sample 14008 is a medium gray, friable, breccia with only one visible clast larger than 1 mm.

SURFACE FEATURES

Some deep zap pits are present with an average size of 0.6 mm. No vugs or fractures can be seen on this fragment. The lunar top cannot be accurately determined because the sample appears to have been broken (probably in transit).



Width of this image is 2.5 cm, S-71-25325

PETROGRAPHIC DESCRIPTION

Sample 14008 is a fine grained fragmental rock with an average grain size less than 0.1 mm. It is texturally and mineralogically homogeneous.

The one clast larger than one mm is a black angular fragment. Visible components of the matrix include plagioclase, olivine, pyroxene, glass, and lithic fragments. Lithic fragments are mesocratic with a large proportion of feldspar. Pyroxene accounts for up to 50% of the fragments, while 10% are composed of pyroxene and olivine. Glass is present both as spheres and angular fragments.

DISCUSSION

Wilshire and Jackson (1972) tentatively identified it as an F₁, but it is too small to chip for thin section determination.