

14080 and 14081

Samples 14080 -14081 were taken from the middle of the trench at station G 230 m ESE of LM and 50 m E of the Triplet rim crust. The general area from where the sample was taken is characterized by a nearly level terrain sparsely scattered with debris. The size of the debris varies from the limit of resolution up to 60 cm. The area is also characterized by a moderate abundance of subdued 20 to 50 cm craters.

The samples were returned in documented bag 21N in ALSRC1006.

PHYSICAL CHARACTERISTICS

Mass	Dimensions
14080 1.94 g	1.6 x 1.3 x 0.8 cm
14081 0.84 g	1.2 x 0.9 x 0.7 cm

Both of the samples are light gray in color and very fine grained. They are both polymict and contain abundant glass. Both are friable being made up of < 1 mm rock/soil fragments bonded by glass. They could be pieces of the sample but in their present state, they cannot be fitted together.

SURFACE FEATURES

14080 has zap pits which are glass lined, about 0.1 mm in size, and rarely present on the surface. 14081 has no visible pits. The surfaces of the rock chips are very jagged and uneven. 14080 shows two faint parallel grooves in the vesicular glass on the surface. Both samples are marked by abundant vesicles in the glass. These vesicles are from 0.1 to 0.5 mm in size and are more or less oval in shape. These vesicles are evenly distributed over the samples. The vesicles account for approximately 30% of the glass volume. Most of the vesicles are dust filled. 14080 has an uneven glass spatter over 75% of its surface. 14080 also has numerous non-planar surface fractures which show no orientation.

PETROGRAPHIC DESCRIPTION

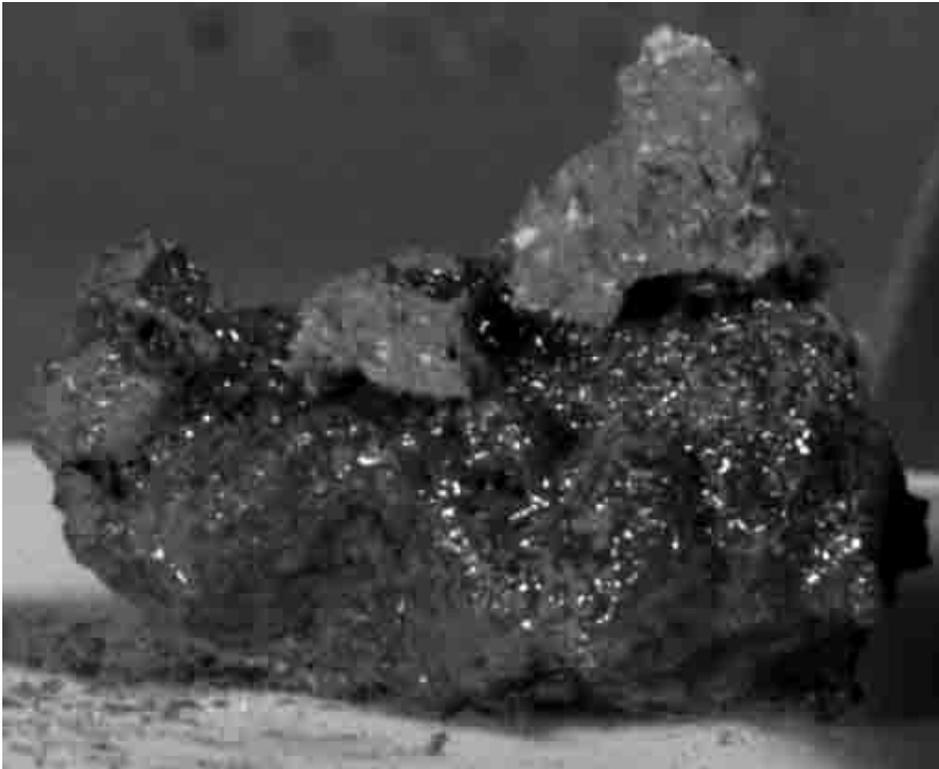
Both small chips are fine-grained, polymict, and composed entirely of grains < 1 mm in size. All glass material is also < 1 mm in size. The average grain size is < 0.1 mm. Some very small leucocratic fragments probably occur as some of the small non-glassy fragments. The texture is homogeneous. These rocks may be thought of as glass bonded aggregates of fine-grained clastic fragments.

DISCUSSION

Wilshire and Jackson (1972) has classified 14080 as an F₁ type fragmented rock. Due to their small size, no detailed work has been done on the samples.



14080: Width of image is approximately 1.8 cm, S-71-26039



14081: Width of image is approximately 1.4 cm, S-71-26042