

72145**Polymict Microbreccia****1.25 g, 1.3 x 1 x 1.3 cm****INTRODUCTION**

72145 was described as a medium to dark greenish gray, subangular polymict microbreccia (Fig. 1), which is coherent with penetrative fracturing. The matrix is uniform, as is the clast distribution. Many zap pits are present on N, a few on B, and none on T or S. Glass lined pits are present but not haloes. No cavities are present. This polymict microbreccia is barely lithified and contains both

highland and mare clasts (Apollo 17 Lunar Sample Information Catalog, 1973)

PETROGRAPHY AND MINERAL CHEMISTRY

Brown et al. (1975 a,b) described 72155,78 as a Type IB Apollo 17 mare basalt and reported a modal mineralogy of: 3.5% olivine; 38.6% opaques; 14.7% plagioclase; 42.8% clinopyroxene; and 0.4% silica.

The mineral chemistry of this basalt was not specifically mentioned, but was discussed in a general sense as part of the Type IB basalt division.

PROCESSING

Of the original 1.25g of 72145,0, all remains. No subsamples have been prepared and no work has been conducted on this sample.

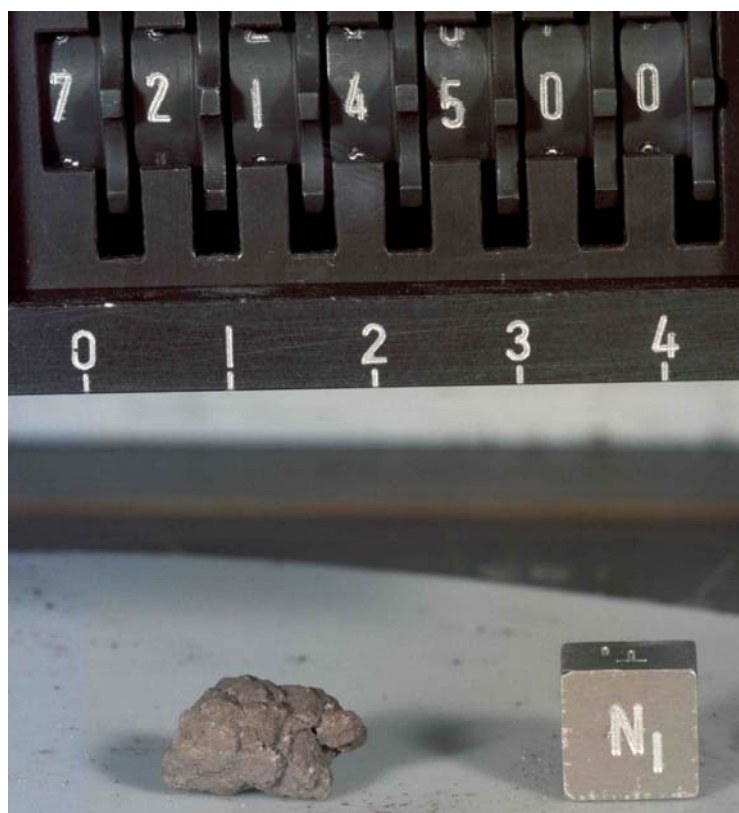


Figure 1: Sample 72145.