

79245**High Grade Metaclastic
10.11 g, 3.2 x 2 x 1.5 cm****INTRODUCTION**

79245 was described as a medium gray, holocrystalline, equigranular metaclastic, with an angular, blocky shape and a few non-penetrative fractures (Apollo 17 Lunar Sample Information Catalog, 1973) (Fig. 1). Surfaces T, B, S, and N are fracture surfaces: W (almost an apex) is covered with a fawn-

colored dust; E has a little dust and some chalky plagioclase. This was probably an outer surface. No cavities are present and only one possible zap pit is identifiable on E. On T there is an impression of banding: darker pyroxene-rich bands with minute equant plagioclase, alternate with plagioclase-rich bands in which the plagioclase is equant and coarser (0.2 mm).

It is difficult to decide whether this rock is a crystallized impact melt or a metaclastic rock recrystallized at high temperature.

PROCESSING

The original sample, 79245,0, remains intact. No work has been conducted as yet.



Figure 1: Hand specimen photograph of 79245,0.