

71036**High-Ti Mare Basalt
118.4 g, 8.5 x 3 x 4 cm****INTRODUCTION**

71036 was described as a medium-grained porphyritic, medium dark gray, intergranular basalt (Apollo 17 Lunar Sample Information Catalog, 1973), containing 30% vugs of irregular shape (0.5-5mm long) (Fig. 1). These vugs contain euhedral crystals of ilmenite, pyroxene, rare olivine, and plagioclase up to 1mm long. A few zap pits are present on all surfaces. S, T, and E are

fresh fractures, W is a partly exposed surface and partly chipped; B is exposed. This sample was probably collected from the same boulder as 71035, at Station 1A, although the nature of the vugs are distinctly different.

**PETROGRAPHY AND
MINERAL CHEMISTRY**

No thin section has been taken from this basalt.

WHOLE-ROCK CHEMISTRY

The whole-rock chemistry has not been determined for 71036.

PROCESSING

No work has been carried out on 71036. Therefore, 118.4g remains of 71036,0. However, it is in "cold storage" in a refrigerator at JSC.



Figure 1: Hand specimen photograph of 71036,0.