

INTRODUCTION: 67025 is a homogeneous, gray, coherent, basaltic impact melt with a partial glass coating (Fig. 1). It was returned in the same sample bag as 67016 and was probably from the same location, near the lunar roving vehicle (LRV) and about 50 m east of the White Breccia boulders. Its orientation is unknown. Many zap pits occur on one surface.



FIGURE 1. S-72-40525.

PETROLOGY: 67025 is a fine-grained ophitic impact melt (Fig. 2) with well-developed plagioclase laths (~60% of the sample) ophitically enclosed by pyroxene (?). Fe-metal, troilite, ilmenite, and interstitial glassy areas are present. The plagioclase laths are 50-

100 μm and the mafic mineral is generally 100 μm across. Plagioclase clasts are up to 500 μm across. Most of the clasts and some of the basaltic melt is shocked to glass. A small patch of brown glass coat is present in thin section ,13. The contact is not sharp but the glass penetrates the basalt; the glass is largely devitrified.

PROCESSING AND SUBDIVISIONS: A single chip ,1, mainly of homogeneous gray material but with a patch of the glass coat, was made into thin sections ,13 and ,14.

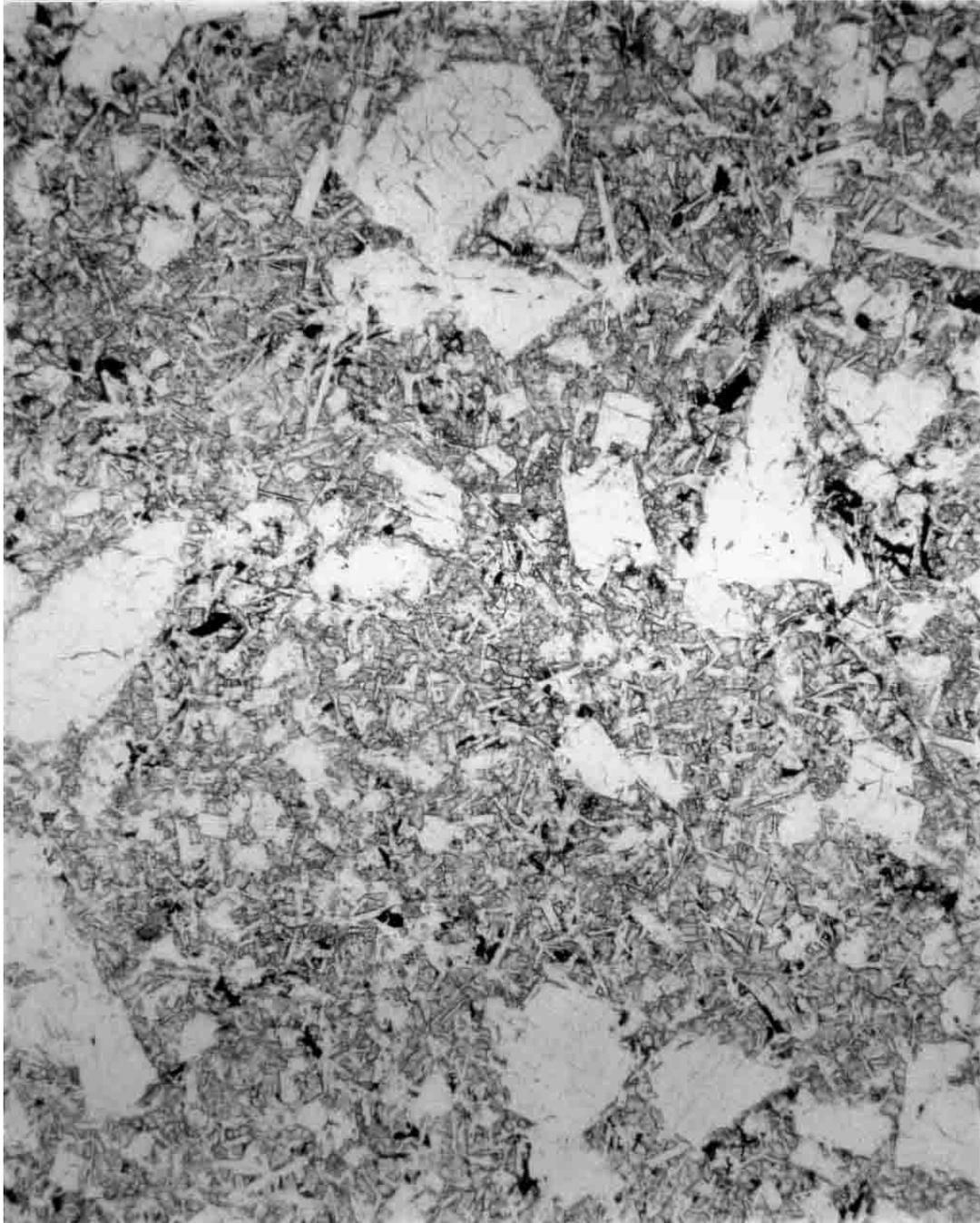


FIGURE 2. 67025,13. General view, ppl. Width 2 mm.