

72547**Impact Melt Breccia (?)****St. 2, 5.0 g****INTRODUCTION**

72547 is a subrounded coherent block (Fig. 1) measuring 2.0 x 1.7 x 1.1 cm. It was collected as part of the first rake sample at Station 2, near Boulder 2. It is a microbreccia with macroscopic characters that suggest that it is an impact melt;

identification is uncertain because it has never been allocated or dissected. According to LSIC 17 (1973), 72547 is a blue-gray breccia; according to Keil et al. (1974) it is medium dark gray (N4). It is similar in appearance to several other breccias from the South Massif that are impact melts.

The dark matrix, with grain-size less than 1 mm (and mainly less than 100 microns), constitutes 90% of the rock (Keil et al., 1974). Most clasts are plagioclase-rich. 72547 lacks vugs, but has a few zap pit



Figure 1: Sample 72547, showing surface with zap pits and patina as well as fresh surfaces. Small scale divisions in millimeters. S-73-19626.