

**72545****Impact Melt Breccia (?)  
St. 2, 4.06 g****INTRODUCTION**

72545 is a subrounded coherent block (Fig. 1) measuring 1.7 x 1.2 x 0.8 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), 72545 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. Keil et al. (1974) described the matrix as resembling that of 72705; the dark

matrix, with grain-size less than 100 microns, constitutes 930 of the rock. Most clasts are plagioclase-rich. 72545 has less than 1% vugs, and lacks zap pits



Figure 1: Sample 72545, showing prominent plagioclase or feldspathic fragment. Small scale divisions in millimeters. S-73-19625.