64585
Vitric Impact Melt Breccia
4.7 grams

Figure 1: Photo of 64585. Sample is 1.5 cm across. S72-55315

Figure 2: Thin section photo of 64585 about 2 mm across (from Ryder and Norman 1980).
Figure 3: Photos of 64585.3 by C Meyer. 2 mm across
64585 was collected as a rake sample from Stone Mountain – see section on 64501. It is an old impact melt with unique texture.

64585 has a brownish color (figure 1) and a devitrified glass matrix (figure 2). Plagioclase laths and xenocrysts are trapped in a devitrified matrix. Warner et al. (1973) give an analysis of the “mesostasis”.

none reported – but Korotev says it is “2DB”.

Norman et al. (2006) determined an age of 3.962 ± 0.015 for 64585 by the Ar/Ar plateau technique (figure 4).


Phinney W. and Lofgren G. (1973) Description, classification and inventory of Apollo 16 rake samples from stations 1, 4 and 13. Curators Office.

