

72555 – 10.5 grams

72556 – 3.9 grams

72557 – 4.6 grams

Impact Melt Breccia



Figure 1: Photo of 72255. 1 cm across.



Figure 3: Photo of 72557. 0.7 cm across



Figure 2: Photo of 72256. 0.6 cm across

Introduction

These three small rock fragments were collected by rake near the station 2 boulder, Apollo 17 – see section on 72501. As such, they are precious materials from the landslide off of South Massif (Wolfe et al. 1981).

Petrography

Keil et al. (1974) and Ryder (1993) give very brief descriptions. The fragments are coherent, light colored, with minor numbers of vugs. Ryder states that they are similar to green-grey breccias (72548 -72549), otherwise known to be impact melt breccias. There are no thin sections and they have never been studied.

References for 72555 - 72557

Butler P. (1973) Lunar Sample Information Catalog Apollo 17. Lunar Receiving Laboratory. MSC 03211 Curator's Catalog. pp. 447.

Keil K., Dowty E. and Prinz M. (1974) Description, classification and inventory of 113 Apollo 17 rake samples from stations 1A, 2, 7 and 8. Curator's Catalog, pp. 149.

Ryder G. (1993) **Catalog of Apollo 17 rocks**. Vol. 1 South Massif

Wolfe E.W., Bailey N.G., Lucchitta B.K., Muehlberger W.R., Scott D.H., Sutton R.L and Wilshire H.G. (1981) The geologic investigation of the Taurus-Littrow Valley: Apollo 17 Landing Site. US Geol. Survey Prof. Paper, 1080, pp. 280.