**65745** – 7.8 grams  
**65746** – 4.2 grams  
**65747** – 0.8 grams  
**65748** – 1 gram  
**65749** – 1 gram  
**65755** – 1.4 grams  
**65756** – 0.8 grams  
Soil Breccia

**Table 1: Maturity**

<table>
<thead>
<tr>
<th>Sample</th>
<th>Is/FeO</th>
</tr>
</thead>
<tbody>
<tr>
<td>65745</td>
<td>27</td>
</tr>
<tr>
<td>65746</td>
<td>85</td>
</tr>
<tr>
<td>65747</td>
<td>42</td>
</tr>
<tr>
<td>65748</td>
<td>39</td>
</tr>
<tr>
<td>65749</td>
<td>65</td>
</tr>
<tr>
<td>65755</td>
<td>81</td>
</tr>
</tbody>
</table>

**Introduction**  
This collection of small brown soil breccias was studied by Joy et al. (2011). They have high maturity as measured by magnetic Is/FeO (table 1) – see section on 65701. They have a seriate grain size distribution, with glass in the matrix.

**Petrography**  
Warner et al. (1976) simply say that 65745, 65746 are similar to 60535. They include glass fragments, fine-grained breccias clasts, plagioclase clasts, lithic clasts and glassy matrix. 65755 has several large white clasts.
Figure 2: Photo of 65746. Scale marks are exactly 1 mm apart! S72-47691.

Figure 3: Thin section photograph of 67546.

**Processing**
For some unknown reason there are several thin sections of these particles.
Figure 4: Thin section 657453. 2 mm across
Figure 5: Thin section of 65746. 2 mm across
References for 65745 - 65755


Keil K., Dowty E., Prinz M. and Bunch T.E. (1972) Description, classification and inventory of 151 Apollo 16 rake samples from the LM area and station 5. Curator’s Catalog, JSC.


Ryder G. and Norman M.D. (1980) Catalog of Apollo 16 rocks (3 vol.). Curator’s Office pub. #52, JSC #16904


