

63506
Impact Melt Breccia
4.9 grams



Figure 1: Photo of 63506. Tick marks are 1 mm. S81-32696

Introduction

Lunar soils are sieved and particles larger than 1 cm are given numbers – see section on soil 63500. This round particle is coherent and appears to be mostly plagioclase (figure 1).

Petrography

63506 was termed “meta-basalt” by Warner et al. (1973). However, it has numerous relic clasts and is clearly a breccia (figure 2). According to Warner et al. (1973), 63506 is crystalline and similar to 61549.

Hunter and Taylor (1983) found no rust.

Chemistry

Not determined

Radiogenic age dating

Norman et al. (2006) determined an Ar/Ar plateau age of about 4 b.y. (figure 3).

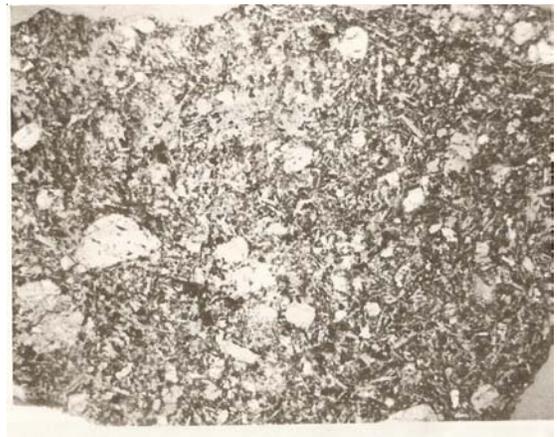
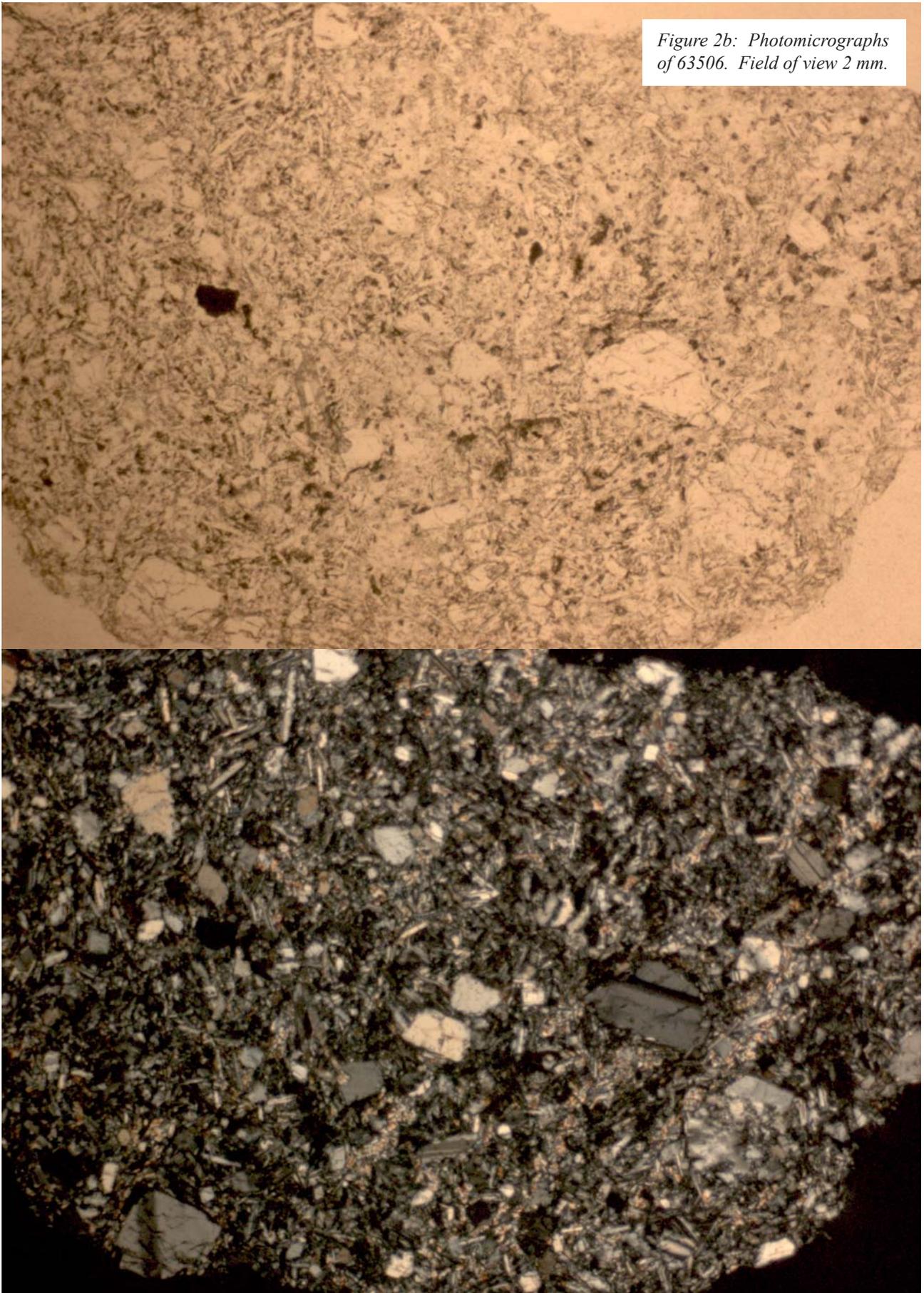


Figure 2: Photomicrograph of thin section 63506,13. It is 2 mm across.

Figure 2b: Photomicrographs of 63506. Field of view 2 mm.



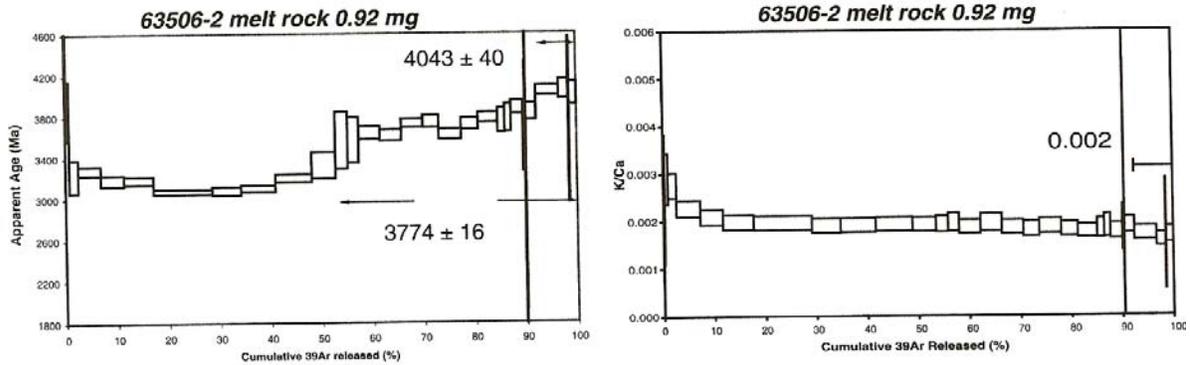


Figure 3: Ar/Ar plateau diagram for 63506 (Norman et al. 2006).

References for 63506

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