

月の裏側と東の海周辺の火成活動史

Mare volcanism on the farside and in the Orientale region of the Moon

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Age determinations of lunar mare basalts are essential for understanding the volcanic history of the Moon. Here we performed new crater counts in mare deposits on the farside, which had been previously undated, and in the Orientale region, using new images obtained by SELENE/Terrain Camera. Based on our new crater counts, we will discuss how long mare volcanism was active on the farside and in the Orientale region. We will also discuss whether a difference existed in the durations of mare volcanisms within the South Pole-Aitken basin and in the central region of the northern farside, i.e., the so-called Feldspathic Highland Terrane (FHT), which corresponds to the highest parts of the topography and the thickest parts of the lunar crust.

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