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Observation of Lunar Impact Flashes at Lulin observatory

The Taiwan University Lunar Investigation Project (TULIP) at the National Central University is operating a lunar impact flash monitoring system at the Lulin Observatory in the middle of Taiwan. In the last few years, several lunar impact flashes (LIFs) have been detected by two telescopes, an RC12 (30 cm) and a C8 (20 cm), mounted together on the equatorial center balance mount. The physical properties of impactors and craters on the lunar surface have been derived. In late-2024, the R-band filter was replaced by a J-band filter, together with a I-band filter, to increase the detection rates of LIFs. In this work, we will summarize the previous work and update the latest results after upgrading the new filter set.

Section

Solar System/Exoplanets

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