



## **Observations of Lightning, TLEs and TGFs with ASIM on the International Space Station**

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The Atmosphere-Space Interactions Monitor (ASIM) is designed to observe lightning, Transient Luminous Events (TLEs) and Terrestrial Gamma-ray Flashes (TGFs). Launched on April 2, 2018, the instruments observe the major thunderstorm regions from the International Space Station in the optical and X- and gamma-ray bands with unprecedented temporal and spatial resolution. The bands are 180-230 nm, 337/5 nm, 777.4/5 nm and 20 keV – 20 MeV. The presentation gives an overview of the first results with ASIM, including the UV properties of lightning and TLEs, the leader-streamer properties of TLEs, and the characteristics of TGFs and the lightning processes that generate them.