

M134-002

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Scientific objectives of TOPS: Atmospheric escape from planets

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TOPS is an earth-orbiting space telescope mission proposed as the first mission of the small-satellite series of ISAS/JAXA. One of the primary objectives of TOPS is to study atmospheric escape from Venus and Mars and its impact on the evolution of the planetary environments. In this presentation, the scientific objectives of TOPS concerning the atmospheric escape from Venus and Mars as well as from the Mercury's magnetosphere will be presented.