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Plan for the observation of escaping planetary atmospheres by Sprint-A/EXCEED

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Sprint-A/EXCEED is an earth-orbiting satellite to be launched in 2013 as the first mission of the small scientific satellite series of JAXA. One of the primary objectives of Sprint-A/EXCEED 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 Sprint-A/EXCEED concerning the atmospheric escape from Venus and Mars as well as from the Mercury's magnetosphere will be presented.

Keywords: Atmospheric escape, Venus, Mars, Mercury