

Solar System and Planetary Science with Subaru Telescope

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When we observe celestial bodies with a telescope, we basically use a sidereal tracking mode to cancel the motion of the rotation of the earth. On the other hand, a non-sidereal tracking mode will be used when we observe objects in the solar system. The Subaru Telescope has a high performance on the non-sidereal tracking mode, and furthermore seven observational instruments are available now. I will introduce the telescope system and characteristics of the instruments, and mention the future prospects with Subaru for the solar system and planetary science.