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Observation of Planets using Space Telescope

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Remote sensing of planets with space telescope have great advantage. They enable us to monitor the phenomena occurring on and around planets and satellites continuously without any degradation of spatial resolution or limitation of wavelength caused by the dense atmosphere of the earth.

This powerful facility would be applicable to the observations of: aurora in Jupiter and Saturn, night-side cloud in Venus, lightning in Jupiter, exospheric and escaping atmosphere of planets/satellites and so on. To realize the continuous and high contrast observation through years, the developments of a hood rejecting sunlight and a coronagraphic optics might be essential. Combination of in-situ and remote observations would be quit fruitful and productive.