

## Lunar observation by the EUV scanner onboard NOZOMI

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We have developed eXtreme UltraViolet(XUV) scanner onboard the Mars orbiter NOZOMI, which is aimed at the detection of the resonantly scattered light by helium gas and ion in the Martian atmosphere. In the parking orbit around the Earth, when the spacecraft passed near the Moon, the XUV scanner observed the EUV scattered light from the lunar far-side and lunar atmosphere.