

An overview and initial results of the solar wind electron observations by NOZOMI spacecraft

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Electron measurements conducted by NOZOMI spacecraft acquired useful data for studying the characteristics of the solar wind. For example, we found a monotonic decrease of the energy of the strahl electrons from 1800 UT to 2000 UT on September 11, 1999. There was a strong and coherent flux modulation of the solar wind electrons in the data obtained on November 25, 1998. We detected the electrons coming from the lunar wake region when NOZOMI approached the moon. An overview of these scientific highlights as well as perspectives of coordinated studies of the solar wind by NOZOMI with those by other spacecraft for the solar will be given.

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