Preliminary results of interstellar hydrogen Lyman alpha observation with the NOZOMI / UVS-P

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A Lyman alpha photometer with hydrogen and deuterium absorption cells (UVS-P) onboard the NOZOMI spacecraft has observed Lyman alpha emission from the interstellar hydrogen. We have operated UVS-P three times a week on a routine basis and made an all sky map of the hydrogen Lyman-alpha emission using the obtained data. By comparing these data with Lyman alpha emission data derived by the ultraviolet grating spectrometer (UVS-G), we have examined the performance of UVS-P as absolute sensitivity and the optical depth of absorption cells.