

## Solar wind observation with PSA-ISA on board the NOZOMI satellite

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ISA and ESA on board the NOZOMI satellite are designed to measure low energy ions (about 10eV/q to 16keV/q) and low energy electrons (about 10eV to 16keV) around the Mars, respectively. After measuring the solar wind and the plasmas around the Earth and the Moon between August and December 1998, ISA and ESA temporarily stopped the continuous observation for about half a year mainly due to the thermal conditions. Recently, ISA and ESA restarted the continuous observation of the solar wind. In order to prevent the partial degradation of the detector, ISA measures the full 3-D distribution functions of the solar wind ions for 20 minutes every 4 hours. The comparison between the solar wind data obtained by ISA/ESA and those measured around the Earth will be presented.

ISA (Ion Spectrum Analyzer) and ESA (Electron Spectrum Analyzer) on board the NOZOMI satellite are designed to measure low energy ions (about 10eV/q to 16keV/q) and low energy electrons (about 10eV to 16keV) around the Mars, respectively. After measuring the solar wind and the plasmas around the Earth and the Moon between August and December 1998, ISA and ESA temporarily stopped the continuous observation for about half a year mainly due to the thermal conditions. Recently ISA and ESA restarted the continuous observation of the solar wind. In order to prevent the partial degradation of the detector, ISA measures the full 3-D distribution functions of the ions including the main component of the solar wind for 20 minutes every 4 hours. For the rest of the period ISA mainly observes the alpha particles. ESA continuously measures the full 3-D distribution functions of the solar wind electrons. The comparison between the solar wind data obtained by ISA/ESA and those measured around the Earth will be presented.