

# IN-SITU SOLAR WIND MONITORING AT A SEPARATE SOLAR LONGITUDE

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Future interplanetary missions, such as Solar Sentinels in LWS program, L5 mission of CRL, and STEREO project, will make in-situ observations of the solar wind at a solar longitude separated from the earth. The data is used not only for scientific purposes but also for applications in space weather forecast. Possible applications contain detecting high-speed streams days in advance, deducing sheath characteristics ahead of CME, and early warning of energetic solar proton events. We discuss the possible applications by using solar wind ions and interplanetary magnetic field data from NOZOMI spacecraft in interplanetary space.