

On the correlation of the solar wind plasma observed at the L-5 point and at the earth

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The L-5 point is a promising location for forecasting the co-rotating high-speed streams in the solar wind arriving at the earth. We correlated the solar wind plasma observed by Nozomi in the interplanetary space and by ACE at the L-1 point, and found that the correlation is higher than that of the 27-days recurrence at ACE. We will further discuss the capability of the solar wind observation at the L-5 point for forecasting the geomagnetic disturbances caused by the high-speed streams.