
PEM021-03

Room: Function Room A

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Unusual solar wind structure observed during 23/24 sunspot minimum

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Around solar minimum it is well-known that solar wind is consisted by two velocity components, narrow slow wind belt around equator and fast wind at high latitudes. This velocity structure which is referred as bimodal is clearly reconstructed during the 21/22 and the 22/23 minimum by using interplanetary scintillation (IPS) data obtained at the Solar-Terrestrial Environment Laboratory (STEL). However, the solar wind structure determined from IPS observations for the 23/24 minimum period significantly differs from this typical feature. We discuss a relation between the unusual solar wind structure and photospheric/coronal magnetic field strengths in the current solar minimum.

Keywords: solar wind, velocity structure, sunspot minimum