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Erratum: Seven sisters: a mission to study fundamental plasma physical processes in the solar wind and a pathfinder to advance space weather prediction

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solar wind, coronal mass ejections, stream interaction regions, heliospheric current sheet, particle acceleration, magnetic reconnection, turbulence

An Erratum on
Seven Sisters: a mission to study fundamental plasma physical processes in the solar wind and a pathfinder to advance space weather prediction

by Nykyri K, Ma X, Burkholder B, Liou Y-L, Cuéllar R, Kavosi S, Borovsky JE, Parker J, Rosen M, De Moudt L, Ebert RW, Ogasawara K, Opher M, Sibeck DG, Di Matteo S, Viall N, Wallace S, Jorgensen TM, Hesse M, West MJ, Adhikari L, Argall MR, Egedal J, Wilder F, Broll J, Poh G, Wing S and Russell C (2023). Front. Astron. Space Sci. 10:1179344. doi: 10.3389/fspas.2023.1179344

Due to a production error, there were formatting issues that affected the presentation of scientific formulas in **Section 2.1.4 Solar wind flux tubes and periodic density structures**. The corrected formulas appear below:

"The suprathermal composition measurements of electrons (e^-), H^+ and He^{++} ions."

"A total of seven identical SC carrying identical instrumentation (magnetometer, electrostatic analyzer, and energetic particle (e^-, H^+ and He^{++}) detector)."

Due to a production error, some formatting and spacing issues were present in the published article.

A correction has been made to **Section 3.1 Seven Sisters science goals and objectives**.

"The Seven Sisters primary science goals (SG) and objectives (SO) are to:

SG 1: Determine the structure and evolution of the solar wind needed to develop a prototype next-generation monitoring system capable of predicting extreme and dynamic conditions in space up to 2 days before they reach the Earth.

SO 1.1: Determine the 3-D, large-scale (0.6–1.2 AU) to intermediate-scale (≈2–100 Mm) azimuthal and longitudinal structure of CMEs.

SO 1.2: Determine the 3-D, large-to intermediate-scale structure of HCSs, SIRs, and SWFTs/PDSs.

SO 1.3: Ascertain the evolution of CMEs, large-scale Alfvén waves, SWFTs/PDSs, and the associated radiation environment, from 0.7 to 1 AU.

SG 2: Reveal the role of the fundamental, multi-scale, physical processes associated with particle energization and transport in solar wind structures.

SO 2.1: Identity the physical processes critical for particle acceleration and transport in CMEs, HCSs, SIRs, and SWFTs.

SO 2.2: Quantify the relative importance of the different physical mechanisms for particle acceleration and transport in CMEs, HCSs, SIRs, and SWFTs."

The publisher apologizes for these mistakes. The original version of this article has been updated.

Publisher's note