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Possible Role of Transients on the Energy Spectrum of Energetic Particles at Solar wind Termination Shock

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Abstract content

We examine the Voyager 1 (V1) and Voyager 2 (V2) intensity vs. time profiles in several energy bands of low-energy particle populations during the period 2005 through early 2007. There appear to be a set of propagating structures with ~ 1 year duration that appear first at V2, which is upwind of the solar wind termination shock, and then ~ 115 days later at V1 in the heliosheath. We will discuss these observations in the context of the source and transport of the termination shock particles and anomalous cosmic rays.

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If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 1 (SH), pages 827-830

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