Project Details

ROSES ID: NNH14ZDA001N Selection Year: 2014 Program Element: Targeted Science Team

Topic: Prediction of the Interplanetary Magnetic Field Vector Bz at 1AU

Project Title:

Robust Prediction of the Interplanetary Magnetic Field using Statistical and Physics-Based Model Approaches

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Summary:

Using a combination of statistical and physics-based models, we will develop a robust scheme for predicting the value of Bz at 1 AU (as well as its associated uncertainties) at least 24 hours in advance. Our diverse team includes the necessary expertise to achieve the goals of the proposed work and our unique, comprehensive approach will provide both a quantitative ground-truth for a variety of techniques as well as a rigorous methodology for improving predictability.

Publication References:

no references