



Comparison of heliospheric models with observations of the Voyager and Ibex spacecraft

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We discuss the results of modeling the heliosphere as compared with observations of the Voyager spacecraft and the IBEX mission simultaneously. The MHD solutions are tested against observational data for different strengths and orientations of the local interstellar magnetic field (LIMF) used in the simulations for asymmetric magnetized solar wind flow. We show that the model reproduces approximately the position of the IBEX ribbon and the termination shock crossing distance for Voyager 2, which allows us to estimate the orientation and strength of the LIMF.