

NASA's Heliophysics System Observatory

Steven W. Clarke

Director of the Heliophysics Division, Science Mission Directorate, NASA Headquarters, Washington, DC

NASA formulates and implements a national research program for understanding the Sun and its interactions with the Earth and the solar system and how these phenomena impact life and society. This research provides theory, data, and modeling development services to national and international space weather efforts utilizing a coordinated and complementary fleet of spacecraft, called the Heliophysics System Observatory (HSO), to understand the Sun and its interactions with Earth and the solar system, including space weather. This presentation will provide an update on NASA's space missions and the contributions the agency continues to provide to the science of space weather, leveraging inter-agency and international collaborations for the benefit of society.