

MAVEN Particles and Fields: Exploring the Solar Wind Beyond 1 A.U.

- MAVEN is exploring propagation of the solar wind and SEPs beyond 1 A.U. during its cruise to Mars.
- Solar wind density compressions from stream interactions and ICMEs (left) and Solar Energetic Particle (SEP) events (right) are seen at the orbits of Earth and MAVEN
- They show the combined effects of radial propagation and solar rotation, and features can be followed along the solar-wind spirals
- MAVEN observations are complementary to near-Earth assets, providing a valuable perspective on the structure of the solar wind.

MAVEN Particles and Fields package has demonstrated its ability to monitor space weather at Mars!

