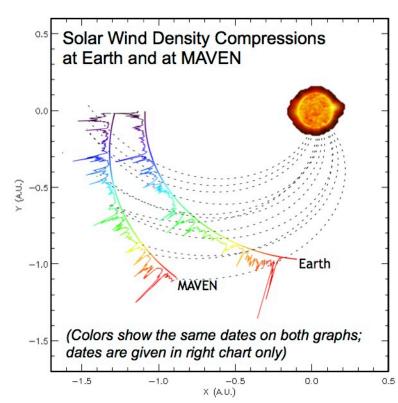
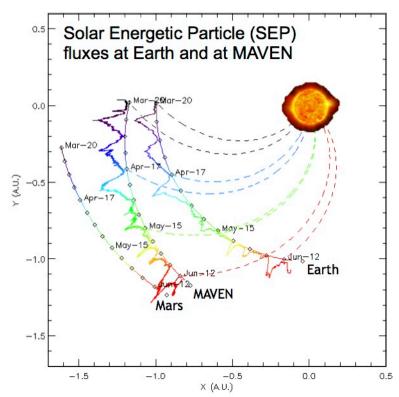
MAVEN Particles and Fields: Exploring the Solar Wind Beyond 1 A.U.



- 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!





Solar wind data from MAVEN SWIA (J.S. Halekas) and OMNIWeb (N. Papitashvili), SEP fluxes from MAVEN SEP (D. Larson) and ACE EPAM (R. Gold)