National Aeronautics and Space Administration

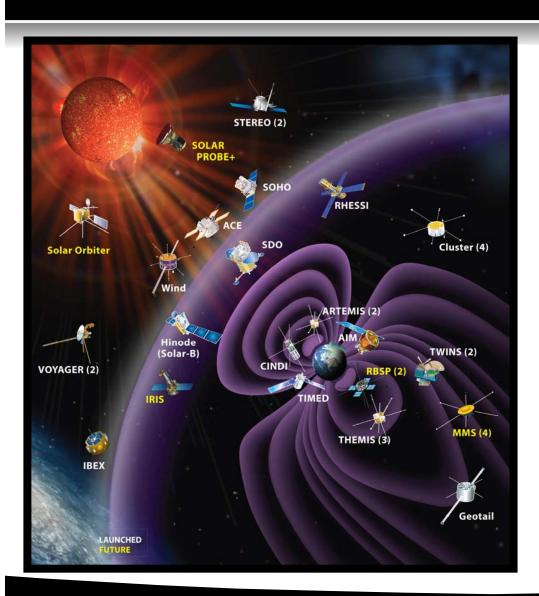


Impacts of Space Weather Chuck Gay, Deputy Associate Administrator, Science Mission Directorate, NASA Headquarters

Space Weather Enterprise Forum, June 5, 2012

Impacts of Space Weather

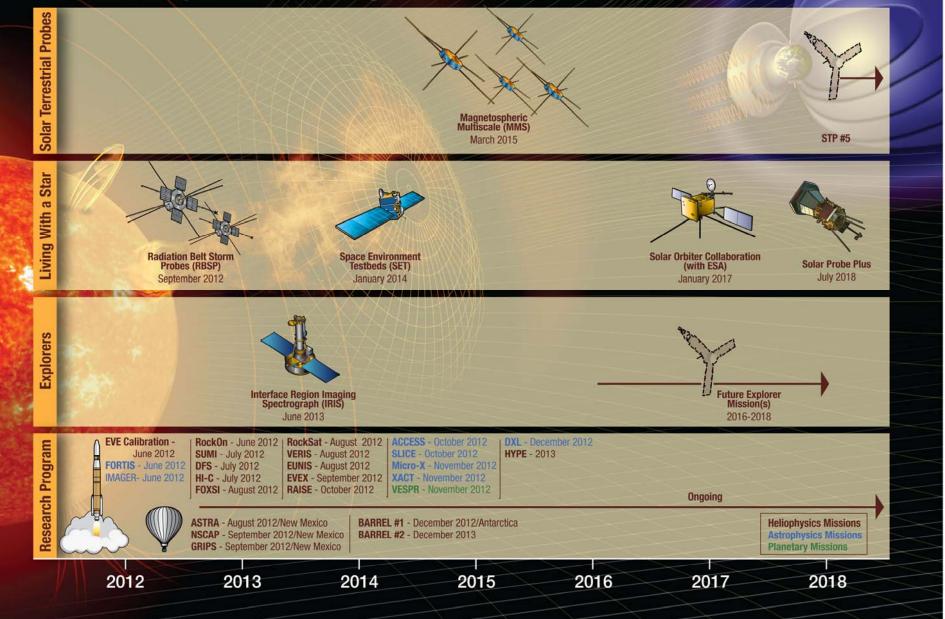
Heliophysics System Observatory (HSO)

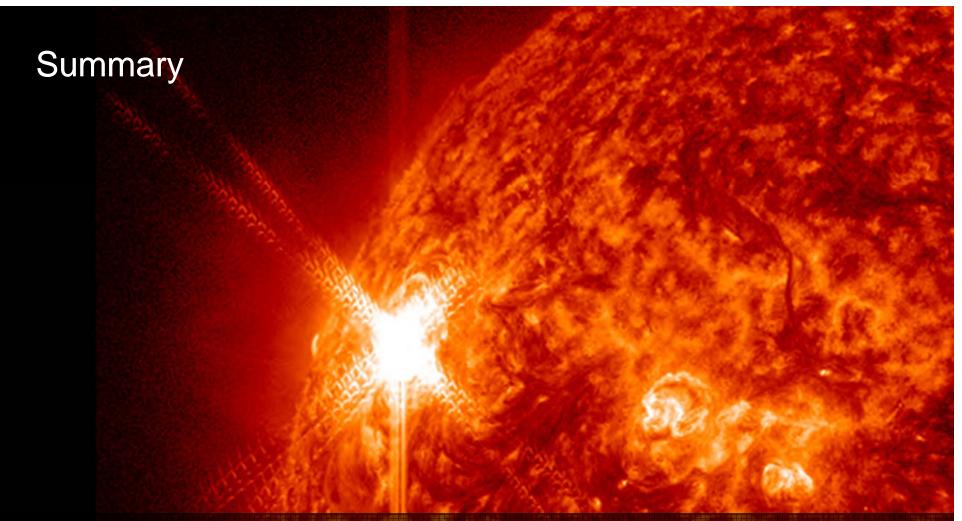


The Heliophysics System Observatory (HSO) utilizes the entire NASA fleet of solar, heliospheric, and geospace spacecraft as a distributed observatory to discover the larger scale and/or coupled processes at work throughout the complex system that makes up our space environment.

The HSO consists of 17 operating missions: Voyager, Geotail, Wind, SOHO, ACE, Cluster, TIMED, RHESSI, TWINS, Hinode, STEREO, THEMIS, AIM, CINDI, IBEX, SDO, ARTEMIS

Heliophysics Program 2012-2018





• Focused research programs are guiding the design and operation of productive scientific missions.

• At the same time, we are pursuing a deeper understanding of the fundamental physical processes that underlie the awesome phenomena of space.

• The payoff will be understanding how technological systems, human society, and the habitability of planets are affected by solar variability.