SPACE WEATHER as a GLOBAL CHALLENGE

April 4, 2016

8:15-8:50 Arrival and Check-In
9:00-9:15 Welcome Remarks
10:15-10:30 Break
10:30-11:30 International Efforts: Cooperation and Coordination
11:30-11:45 Closing Remarks

A panel presentation and discussion on the measures that need to be taken internationally to protect the operations of satellites and aircraft, communication networks, navigation systems, and the electrical power grid from the risks posed by solar flares, solar energetic particles, and coronal mass ejections. This event will advance goals and objectives of the 2015 U.S. National Space Weather Strategy.

George Marshall Conference Center
U.S. Department of State

Please RSVP by March 30 to Stephanie Wan at WanSD@state.gov or 202-663-2672. Guests from outside the State Department must provide government ID number (Passport, Driver’s License, or Agency ID) and Date of Birth.
IMPACT OF SPACE WEATHER EVENTS

Energetic Electrons
Damage to Spacecraft Electronics
Solar Flare Protons
Ionospheric Currents
GPS Signal Scintillation
Radiation Effects on Avionics

Geomagnetically Induced Current in Power Systems
Induced Effects in Submarine Cables
Telluric Currents in Pipelines

Credit: NASA