

2012 Space Weather Enterprise Forum

*Solar Maximum 2013: How Space
Weather Will Affect You!*



**Sponsored by
National Space Weather
Program Council**

Commerce, Defense, Energy, Homeland Security, Interior, State, Transportation, NASA, NSF
Office of the Federal Coordinator for Meteorological Services and Supporting Research

2012 Space Weather Enterprise Forum



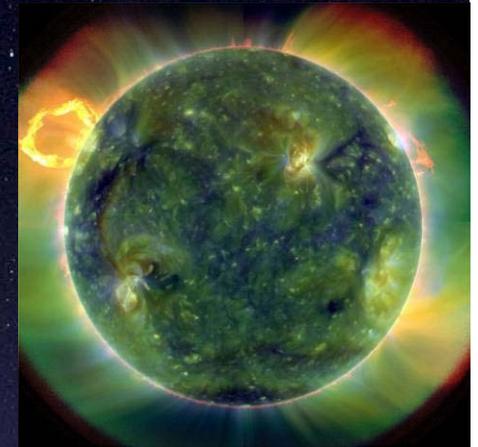
Mr. Samuel P. Williamson
Federal Coordinator for Meteorology
and Chairman, National Space
Weather Program Council

June 5, 2012
Washington, DC



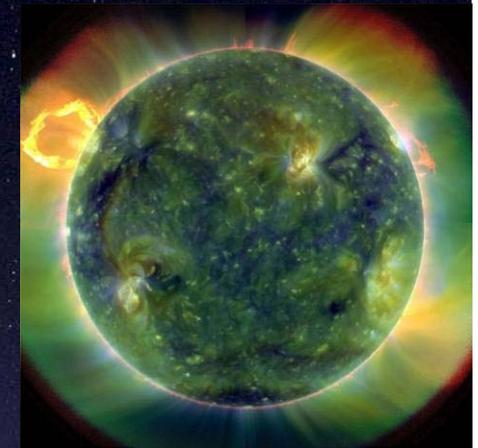
Overview

- Background
- Agenda
- Keynote and Invited Speakers



Why Are We Here?

- Recent rise in solar activity and impacts.
- Highlight our capability to monitor and forecast space weather events
- Introduce the new Unified National Space Weather Capability (UNSWC)



NSWP Council Sponsors The Forum

- **Council Membership**

- Commerce: NOAA
- Defense: Air Force, Navy
- Energy
- Homeland Security: FEMA
- Interior: US Geological Survey
- State
- Transportation: FAA
- NASA
- NSF
- OSTP and OMB (Observers)

- August 2008 – Council agreed to host and organize the Space Weather Enterprise Forum

Charter

Provide oversight and direction to an integrated process of setting national priorities, focusing agency efforts, and leveraging existing resources



Strengthening the Enterprise

Objectives

- **Share information** across the enterprise and **raise awareness** for new users, decision makers, and policymakers
- Identify effective approaches to **raise awareness** in the broader society
- Identify effective approaches to **build resilience** across society, particularly in **critical infrastructure protection and support**
- **Improve communications** within and external to the enterprise
- **Collect information** to support new National Space Weather Program Science and Implementation Plans



Agenda

- **Session 1: Welcome and Opening Addresses**
 - Forum Objectives and Overview
 - Opening Plenary Speaker: **Dr. Cora Marrett**, Deputy Director, National Science Foundation



Agenda

- **Session 2: Space Weather and Why it Matters**
 - Moderator: **Dr. Michael Morgan**, Director of the Division of Atmospheric and Geospace Sciences
 - **Dr. Louis Lanzerotti**, Distinguished Research Professor of Physics, Center for Solar-Terrestrial Research, New Jersey Institute of Technology
 - **Dr. C.J. (Karel) Schrijver**, Senior Fellow, Advanced Technology Center, Solar and Space Science, Lockheed Martin Space Systems Company
 - **Mr. Charles Gay**, Deputy Associate Administrator of the Science Mission Directorate, HQ NASA
 - **Col Daniel Edwards**, Chief, Integration, Plans, and Requirements Division, USAF Directorate of Weather



Agenda

- **Session 3: Critical Infrastructure Protection, Impact Mitigation, and Response**
 - Moderator: **Ms. Heather King**, Executive Officer, National Planning Coordination & Assistance, FEMA
 - **Mr. Micah J. Loudermilk**, Institute for National Strategic Studies, National Defense University
 - **Mr. Scott Pugh**, Interagency Programs Office, U.S. Department of Homeland Security
 - **Dr. Michael Gregg**, Professor of Oceanography, University of Washington
 - **Mr. Anthony Russo**, Director National Coordination Office for Space-Based Positioning, Navigation and Timing



Agenda



- **Luncheon**
 - Speaker: **Dr. Tamara Dickinson**, Senior Policy Analyst, Executive Office of the President, Office of Science and Technology Policy



Agenda

- **Session 4: The Unified National Space Weather Capability**
 - Moderator: **Dr. David Applegate**, Associate Director for Natural Hazards, USGS
 - **Dr. Kathryn Sullivan**, Assistant Secretary of Commerce for Environmental Observation and Prediction, National Oceanic and Atmospheric Administration
 - **Dr. Fred Lewis**, Director of Weather, Headquarters, United States Air Force
 - **Dr. Barbara Giles**, Director, Heliophysics Division, NASA Headquarters
 - **Dr. Richard Behnke**, Head, Geospace Section, National Science Foundation
 - **Dr. Arthur Charo**, Senior Program Officer, Space Studies Board, National Research Council



Agenda

- **Session 5: Responding to New and Emerging Extreme Events**
 - Moderator: **Dr. Robert E. O'Connor**, Program Director, Decision, Risk and Management, National Science Foundation
 - **Dr. Genene Fisher**, Senior Advisor for Space Weather, NOAA National Weather Service
 - **Dr. Phil Evans**, Government Services Director, United Kingdom Meteorological Office.
 - **Dr. Geoff Crowley**, President/Chief Scientist, Atmospheric & Space Technology Research Associates (ASTRA) and Executive Committee
 - **Dr. Brenda Phillips**, Department of Political Science, Oklahoma State University



Agenda

- **Session 6: Summary and Wrap-Up**
 - **Dr. Paul Try, Sr. Vice President and Program Manager, Science and Technology Corporation**



Agenda

- **Closing Plenary Speaker**
 - **The Honorable Trent Franks,**
U.S. Congressional
Representative (R-AZ)

