

# NOAA's National Weather Service



*Meeting the Nation's Space Weather Needs*

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*Space Weather Enterprise Forum*

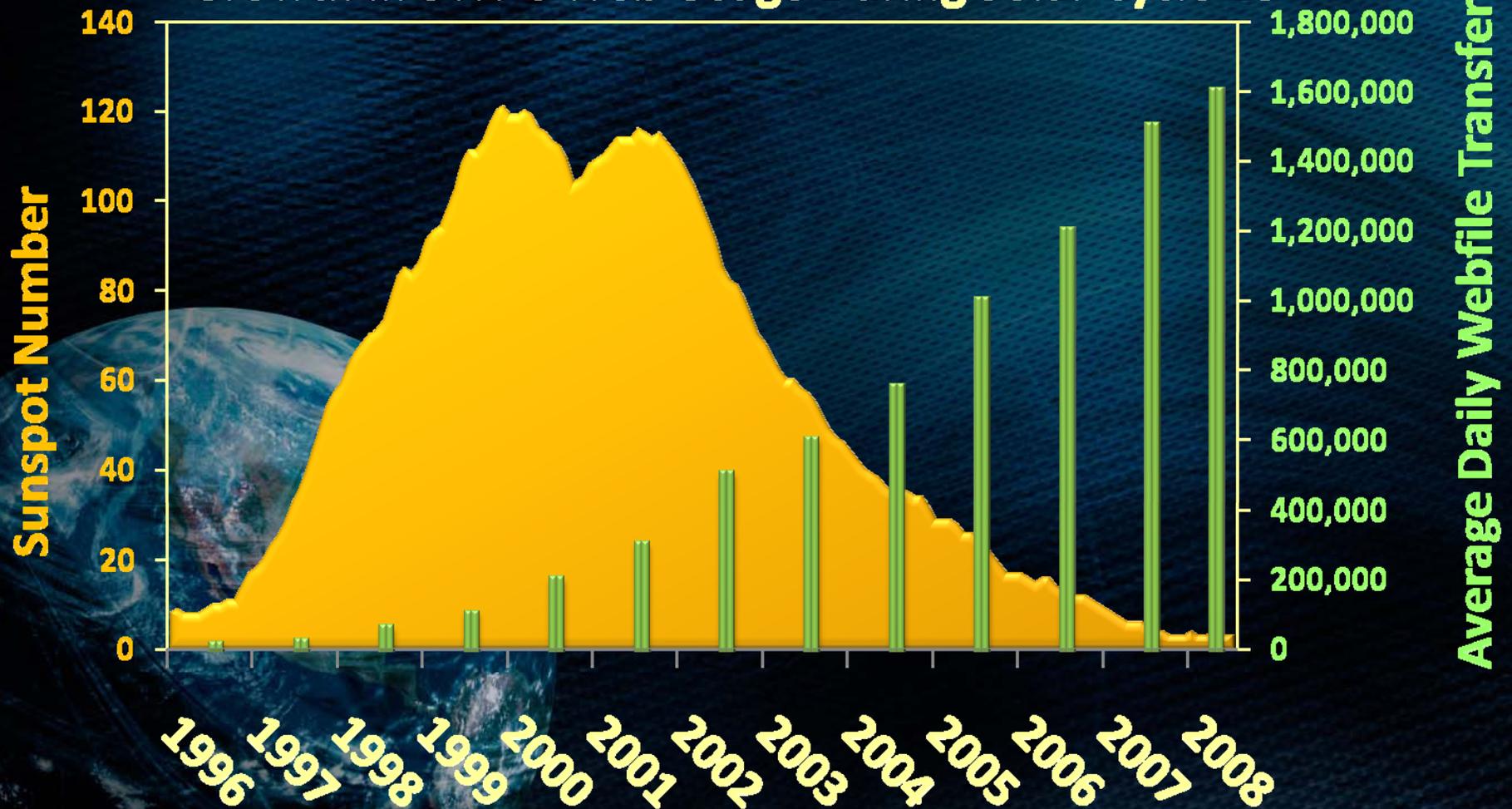
*Washington, D.C.*

*May 19, 2009*

# Serving the Nation

*Increased Demand for Services*

## Growth in SWPC Web Usage During Solar Cycle 23



# Drivers for Space Weather Services

## *Complex Demands and Diverse Opportunities*

- **Evolving technologies:**

- *Civil precision Global Navigation Satellite Systems*
- *Power grids*
- *Satellites (private and government)*

- **Evolving customers and industries:**

- *Airspace management needs*
- *Global partnerships and opportunities*
- *Arctic economic development*
- *Growing Commercial space enterprise*



# Meeting the Need

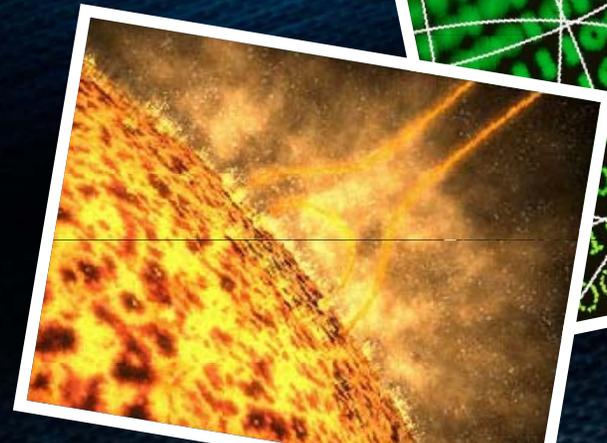
## *What We're Doing*

### ● NextGen

- *Space weather will be an essential input*
- *NWS is primary developer of NextGen Weather Initiative*

### ● Modernization of NOAA's Space Weather Program

- *Model-based grids*
- *1-hour forecasts for geomagnetic storms increases to 1-4 days*



# The Need for Effective Partnerships

## *Interagency Collaboration*



## *Other Partners*

