

# DoD's Perspective on Space Weather

- Space is important environment for the DoD activities, but our focus may not be the same as other civil or international agencies
- DoD considers Space Weather a cooperative venture
  - Not a well-recognized area in DoD missions
- Competing missions means annual budget battles
- DoD needs/capabilities are usually well-defined, documented and vetted.
  - Creates difficulties with an area as broad and unknown as the space environment compared to air, ocean and land

# Engaging the Enterprise

Executive Office of  
the President

Congressional  
Committees

Office of Management and Budget  
Office of Science and Technology – President  
National Security Council

Nat. Space Weather  
Program Council

Office of Secretary of Defense  
Acquisition of space systems  
PSA for Environmental Monitoring  
Joint Staff Military requirements

Other Federal Agencies

Air Force Budget  
Air Force operations  
AF R&D

Navy operations  
Navy R&D

# Encouraging News from the DoD

- Space Weather aligned with Space Situational Awareness mission under AF Space Command and STRATCOM
  - Current FY10 Budget includes ~\$230M across the FYDP for Space-based space weather sensing capabilities
- OMB has designated \$50M in FY12 for FY14 DSCOVR launch
  - DoD is reviewing options and this mission will be evaluated with all other DoD missions as the budget matures this year
- DMSP has two satellites left to launch in the morning orbits
  - Include space weather sensors on-board to continue the legacy of ionospheric modeling
- DoD evaluating putting the SEM-N (NPOESS instrument package) on their early morning follow-on LEO environmental monitoring satellite
- JSPOC Mission system (JMS) incorporated SWx-effects assessment and prediction capabilities to be implemented this year

# More Encouraging DoD News

- DoD has a Principal Staff Assistant at the OSD level to support space weather as part of the Environmental Monitoring mission
- DoD is actively supporting efforts to cooperate and save resources
  - National Space Weather Program Council
  - International as recommended by Space Posture Review
- DoD may have more opportunities for the future in space
  - Rides of opportunity,
  - ESPA ring and
  - ORS launches

