

Headquarters U.S. Air Force

Integrity - Service - Excellence

Space Weather R20-02R DoD Perspective



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Space Weather

Military Application

- DoD has a global mission supporting military, US Government and National Agency operations
 - Operate in multiple security enclaves

Examples:

Satellite Operations



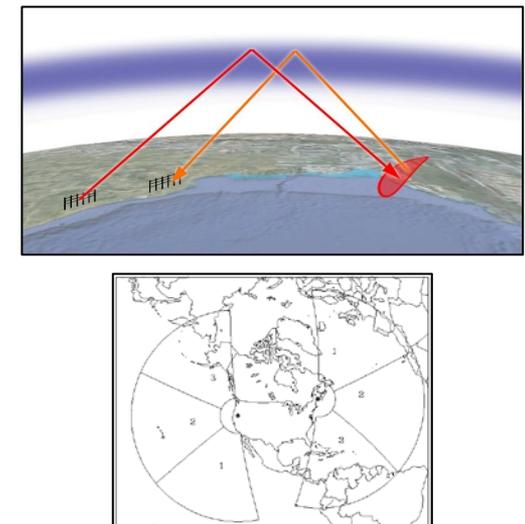
Asset Protection:

- Intelligence
- Communications
- Environmental Monitoring

HF/UHF Communications



Early Warning Radar



Mission Focused DoD & USG Operational Support



R2O-O2R Connection

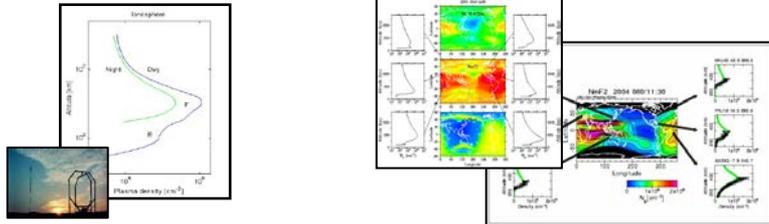
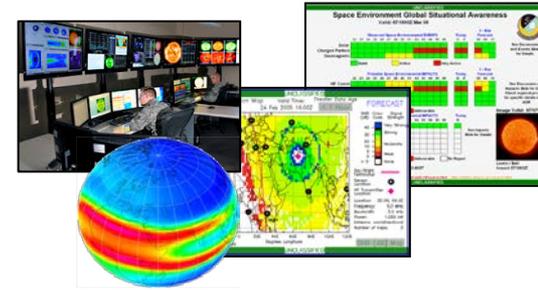
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Capability transitioned to operations to provide specification and forecasts of Space Environment

Operational centers produce mission- & user-tailored products

R2O

Labs, Academia, and Commercial entities develop and test observing, characterization and forecast capabilities to meet operational requirements



Sensors

Models

O2R

Operational feedback and requirements fed to Space Weather research community through S&T process



Space Environmental products support operational missions



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Questions?

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