

Headquarters U.S. Air Force

Integrity - Service - Excellence

United States Air Force Weather



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HQ USAF/A3W
14 April 2016

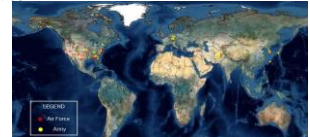
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- AF Weather: Mission Support
- Worldwide Weather Operational Support
- Tiered Production Flow
- AF Space Weather Observing
- AF Terrestrial Weather Capabilities
- Examples
 - Capability-to-Operator
 - Sensor-to-Operator
- Summary



130+ WX orgs aligned with Wing / AOC / Corps / Div / Brigade / SOF

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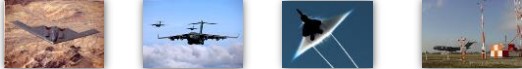


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Mission Support

- Air Force weather Airmen provide environmental support to DoD (Air Force and Army) and the Intelligence Community
 - Mitigate environmental impacts to operations
 - Resource protection to critical assets

Global Power Global Reach Air Ops Agile Combat Support



"Air Force weather enables Joint Warfighters to anticipate and exploit the weather...for air, ground, space, cyberspace and intel operations."

- AFW Mission



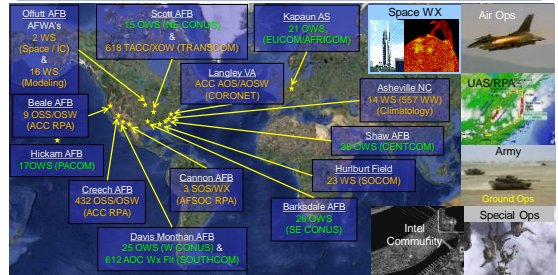
Army Ops Global Vigilance Special Ops Space Weather

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Worldwide Weather Operational Support

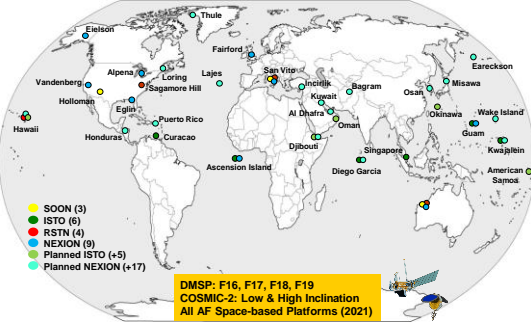


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AF Space Weather Observing Future



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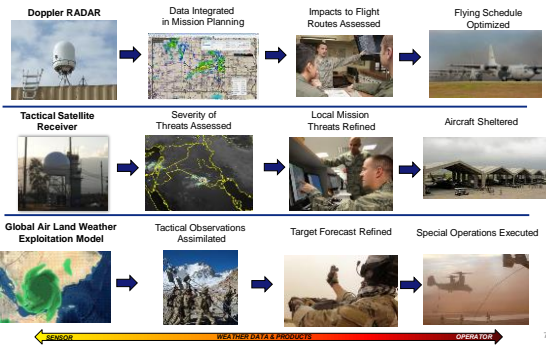
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AF Terrestrial Weather Capabilities

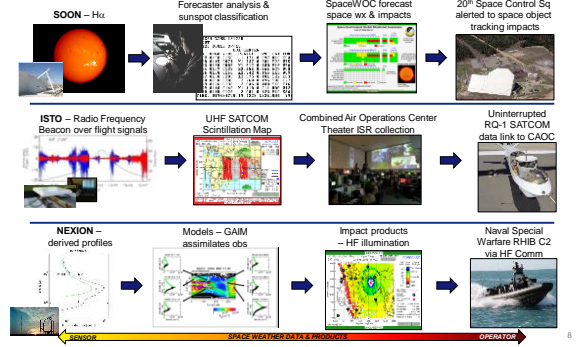
- Collection
 - Observing System 21st Century (OS-21)
 - Fixed Based Observing Systems (FMQ-19, FMQ-22, FMQ-23)
 - Tactical Observing Systems (TMQ-53)
 - Remote Observing Systems (WxPODs)
 - Tactical Radars
 - Ground-based space wx sensors (ISOON, RSTN, DISS, NEXION)
 - Satellite Data Ingest and Display System (Mark IVB)
- Analysis
 - Weather Data Analysis program
- Forecasting
 - High Performance Computing computers
 - Terrestrial weather
 - Space weather
- Product Tailoring/Warfighter Application
 - JET
- Dissemination
 - Net-centric systems



U.S. AIR FORCE *Capability-to-Operator Examples*



U.S. AIR FORCE *Sensor-to-Operator Examples*



U.S. AIR FORCE *Summary*

- Air Force committed to space weather observing...now & future
- Team with national & international community for DoD Support
- Capability/Sensor-to-Operator – accurate, timely, relevant impacts delivered



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- AFW Mission

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