

This briefing is: **UNCLASSIFIED**

2nd Weather Squadron



Space Weather Operational and Forecaster Needs

O2R Workshop

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Overview



- **DoD Space Weather Operations Center (SpaceWOC)**
 - **Security Enclaves**
- **Forecaster/Operational/End User Needs**
- **Ops-to-Research Example**



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Space Weather Ops Center



- **The DoD's only space weather operations center (24/7)**
 - **Unclassified**
 - **Classified**
 - **Top Secret**

- **Space Weather Operators provide environmental information to End Users**
 - **Satellite Operators**
 - **High Altitude Flyers**
 - **Special Operators**
 - **RPA Community**
 - **Anomaly Assessments**
 - **Joint Warfighters**



Forecaster/Operator Needs



- **Forecasters interface with End-Users**
- **Forecasters are often best capable to determine forecaster needs**
 - **Model improvements, visualizations, system needs, etc.**
- **Operators/End Users have specific needs**
 - **Capability Gaps**
 - **Combat Threats**
 - **Situational Awareness**
 - **Specific Requirements**



Examples



- **Pacific theater threat determined by operational community**
- **Operators, R&D, Acquisition and Commercial Sector work together to find best solution to combat known threat**
- **All partners collaborate to actively pursue smart solution to specific problem**

- **Forecasters note lack of available data from specific platform**
- **Research community works to make data set available with intuitive/smart visualizations and data**

- **Final Thoughts**