

Headquarters U.S. Air Force

Integrity - Service - Excellence

CCMC: USAF Perspective



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Overview

- **History of Cooperation**
- **Projected AF/DoD Growth Areas and Needs**
- **Opportunities**



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History of Cooperation

- **Early interaction**
- **Collaborated with SpaceWOC**
 - **Initiated WSA-Enlil model runs**
 - **Trained AF personnel to interpret results**
 - **Tailored process to AF needs**
- **Provided space weather expertise to Air Staff**
 - **Aided staff understanding during Weather System Follow-on Analysis of Alternatives**
 - **Source of space weather model expertise**



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Opportunities

- **Source of insight/expertise on models/tools**
 - **Strengths, weaknesses, and biases**
 - **Processing requirements, efficiency, storage needs**

- **Model validation**
 - **Suitability to meet operational needs**
 - **Accuracy**
 - **Readiness for transition to operations**

- **Model verification**
 - **Continuous measurement of operational model performance**
 - **Identify/quantify areas for model improvement**

- **Inform AF Weather Strategic Planning on space weather**

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Future

- **AF/DoD growth and need areas**
 - **Satellite anomaly assessments**
 - **Scintillation specification and forecasting for SATCOM and GPS**
 - **Dual-frequency GPS error**
 - **Positioning and Navigation error**
 - **Ionospheric specification and forecasting, including EDP and TEC**
 - **AFRL evaluating GAIM-FP in 2014**

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