

GOES-R Proving Ground Aviation Products

Volcanic Ash: Detection and Height
Cloud Top Height
Aircraft Icing Threat
Low Cloud and Fog
SO₂ Detection
Nearcasting
Convective Initiation (CIMSS)

Western Region

What:

**Volcanic Ash: Detection and Height
Aircraft Icing Threat
Low Cloud and Fog**

Who:

**WFO Monterey
CWSU Fremont**

Central Region

What:

**Cloud Top Height
Low Cloud and Fog
Nearcasting
Convective Initiation (CIMSS)**

Who:

TBD

Southern Region

Southern Region will pass because of other commitments

8 offices directly collaborating with SPoRT

FWD, ZFW & ZJX finished multiyear Autonowcaster Demonstration collaborative aviation project with 2 CWSOs and NCAR & MDL

Eastern Region

What:

**Convective Initiation (CIMSS)
Aircraft Icing Threat
Nearcasting (possibly)**

Who:

**TBD
Issues need to be resolved before commitment**

Eastern Region

What:

Convective Initiation (CIMSS)
Aircraft Icing Threat
Nearcasting (possibly)

Who:

TBD
Issues need to be resolved before commitment

Issues:

- **Offices working with non-AWG algorithms**
- **Many products have little or no associated training**
- **Each product needs to have an identified *belly button***
- **Training must use operations (AWIPS II) displays**
- **Standard structure of evaluation specified (What is important)**
- **Central clearing for evaluation Activities**