

## Multi-Radar Composites (MRC)

**PROGRAM/PROJECT:** Aviation Weather Research Program/Advanced Weather Radar Techniques Product Development Team [<http://www.faa.gov/aua/awr/>]

**LEAD AGENCY/COLLABORATING AGENCIES:** Federal Aviation Administration (FAA), the National Oceanic and Atmospheric Administration (NOAA)

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### **SERVICE AREA(S)/INITIATIVE (S)**

- *National Aviation Weather Initiatives:*  
N/A

### **FUNDING**

- *Programmed/Planned (\$'s/FY):* TBD /FY04

### **TYPE OF PROGRAM/APPLICATION**

R&D/Product Development

### **SCOPE OF PROGRAM/PROJECT**

- *What's being developed, procured, etc:* algorithms and techniques that use data from more than one radar so the WSR-88D's can be treated as a network rather than individual radars.
- *How will operations be changed/improved:* real-time, high resolution 3D reflectivity mosaic for the Corridor Integrated Weather System (CIWS) region.

### **PROGRAM/PROJECT MANAGEMENT**

- *Basic guidance document for this program:* AWRP Technical Direction for the NEXRAD Enhancements Product Development Team.
- *Program/Project verification process:* Monthly and Quarterly Reporting, Program Reviews, and RE&D Advisory Committee Project Assessments.
- *Method used for product validation:* N/A
- *Operational training for the user:* N/A

### **SCHEDULE/IMPLEMENTATION**

- *Next major program milestone:* Generate and disseminate 3D mosaic gridded data domains as needed for the CIWS region.
- *Program becomes operational:* Initial real-time results from the enhanced 3D mosaic grid in FY06.
- *Plans for further improvements:* Develop code for mosaicking multiple radar wind-shear fields.