NEXRAD: Still the Best and Getting Better

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WSR 88D is the World’s Best Operational Radar thanks to NEXRAD Product Improvement and Tech Refresh investments, and new science infusion. These initiatives have increased capabilities while controlling C&M costs.

Through Sustaining Engineering and Tech Refresh investments, WSR-88D continues to be upgradable, reliable and maintainable through at least 2020.

Future Dual Pol & Super Resolution

2005

Digital Receiver, GMAP Clutter Filter, Open Systems processor, and software that support infusion of new science, faster VCLPs, etc.

2010

Real-Time Level III Distribution

2020

Future Dual Pol & Super Resolution

Doppler

Dual Polarization

Improved GPS, Hydrometeor Classification, etc.

ORDA

Real Time Products

2000

ORPG

Digital Communications

Open Systems processor and software that support infusion of new science

MPOA, INM, MDA, TDA, DELL, EET, Upgraded Hydrometeor Algorithms and Procedures, Snow Accumulation Algorithms and Products, Automated Data Quality Algorithms, etc.

Legacy Resolution

High Resolution

Super Resolution

97 Velocity

Reduced Range-Filtered Data to <10% of the Field

1997

First Test Bed WSR-88D Installed

WSR-88D Deployment Began

Operational Support Facility (OSF), now known as the Radar Operations Center (ROC), is established

1987

Unstress Contract Award

With Service Life Extension Investment, WSR-88D can remain viable until replacement; technology (e.g., MPAK) is operational.