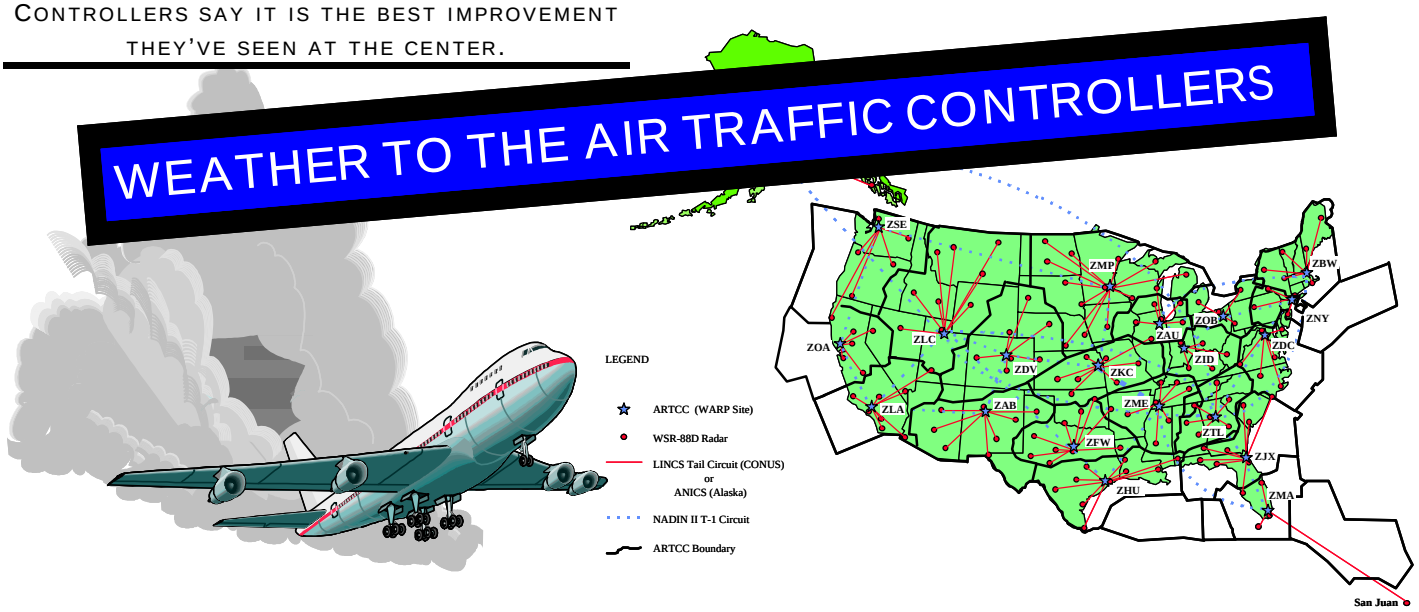
CONTROLLERS SAY IT IS THE BEST IMPROVEMENT THEY'VE SEEN AT THE CENTER.

WEATHER TO THE AIR TRAFFIC CONTROLLERS



FAA Reducing Weather-Related Delays Using WARP

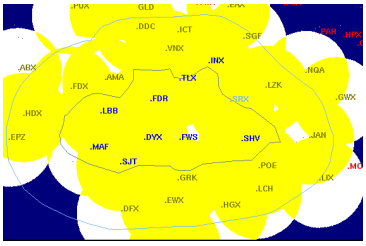
The Federal Aviation Administration (FAA) has installed a system, called WARP (Weather and Radar Processor) at air traffic control facilities nationwide that brings weather information directly to controller displays. The system reduces weather-related delays by allowing controllers to reroute air traffic to avoid areas of severe convective weather.

All Air Route Traffic Control Centers (ARTCC) are operational and currently using this capability. This is the first time that weather information has been displayed directly to controllers on the same screen as aircraft position data.

FAA replaced outdated monochrome controller displays with state-of-the-art color equipment. The capabilities of the new display systems enable WARP to provide aviation weather data from NEXRAD weather radar on air traffic controllers' display along with aircraft position data using different colors to show varying intensities of precipitation. This configuration gives the controller a more accurate view of localized precipitation and supports quicker evaluation of the current weather's impact on a particular airspace sector.

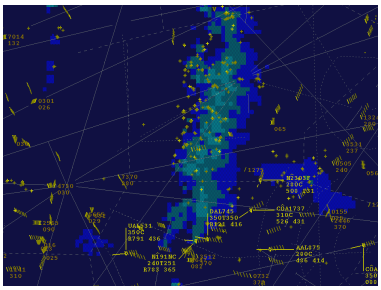
Fort Worth Center reported 15 departures on May 26, 2002 were made that otherwise would have been delays if not for WARP.

In addition to the display of NEXRAD regional mosaics on controller's displays, WARP provides the meteorologist and other NAS decision makers with a wide array of weather products.



Fort Worth NEXRAD Radar Coverage

Weather on DSR



What Center Controllers See

Contact:

WARP Program Lead:
Alfred Moosakhanian
Phone 202-267-9152
Fax: 202-493-5878
Alfred.moosakhanian@faa.gov

Benefits:

- Reduce Delays
- Safety
- Improve En Route Weather Information.

Office of Air Traffic Systems Development

Visit our website at:
www.faa.gov/aua/weather/warp/