



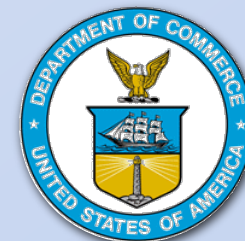
Photo courtesy of Aaron A. Gilstad of North Dakota Atmospheric Resource Board

National Oceanic and Atmospheric Administration

NWS and GA Safety



Cyndie Abelman
NOAA/NWS Aviation Weather Services
July 22, 2014



A few topics...

➤ **NTSB Recommendations**

➤ **Training**

➤ **Modernization**



NTSB Recommendations

- **Consistent weather information**
 - *Aviation weather information should be consistent with other user's information*
 - **Public, marine, aviation, etc. should be consistent**
- **Mountain wave activity**
 - *Provide a specific product for mountain wave activity*
- **Enhance communication within the NWS**
 - *Ensure mutual situational awareness*
- **Standardized guidance on weighting PIREPs**
 - *Promote consistent determination of hazard severity*
 - *Assist in product issuance*



NTSB Recommendations

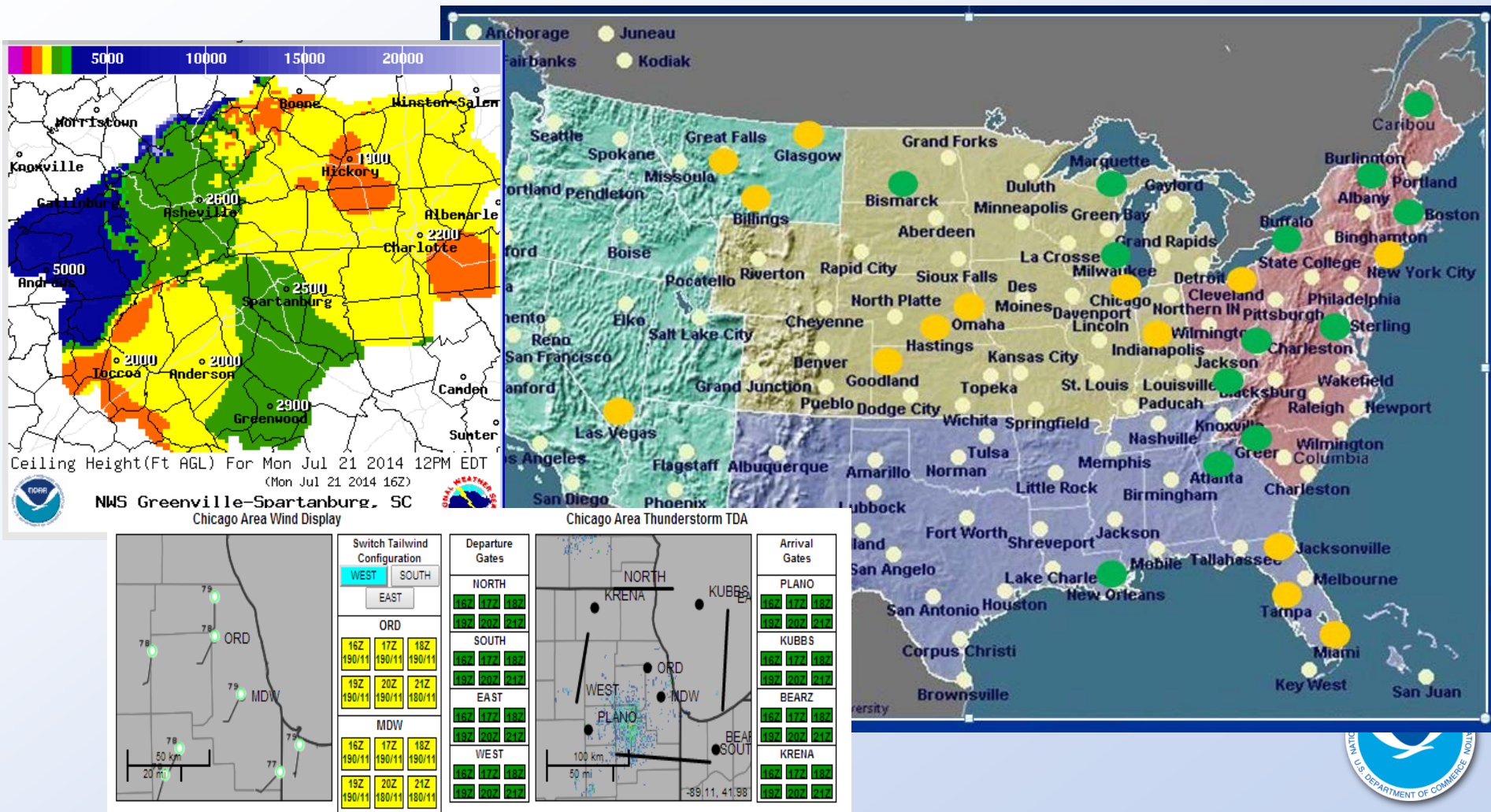
- **Where do we go from here?**
 - *NWS provides a response to the NTSB within 90 days*
 - *We work with our partners and users to determine a way forward*
- **A few things in progress...**



NTSB Recommendations

Digital Aviation Services

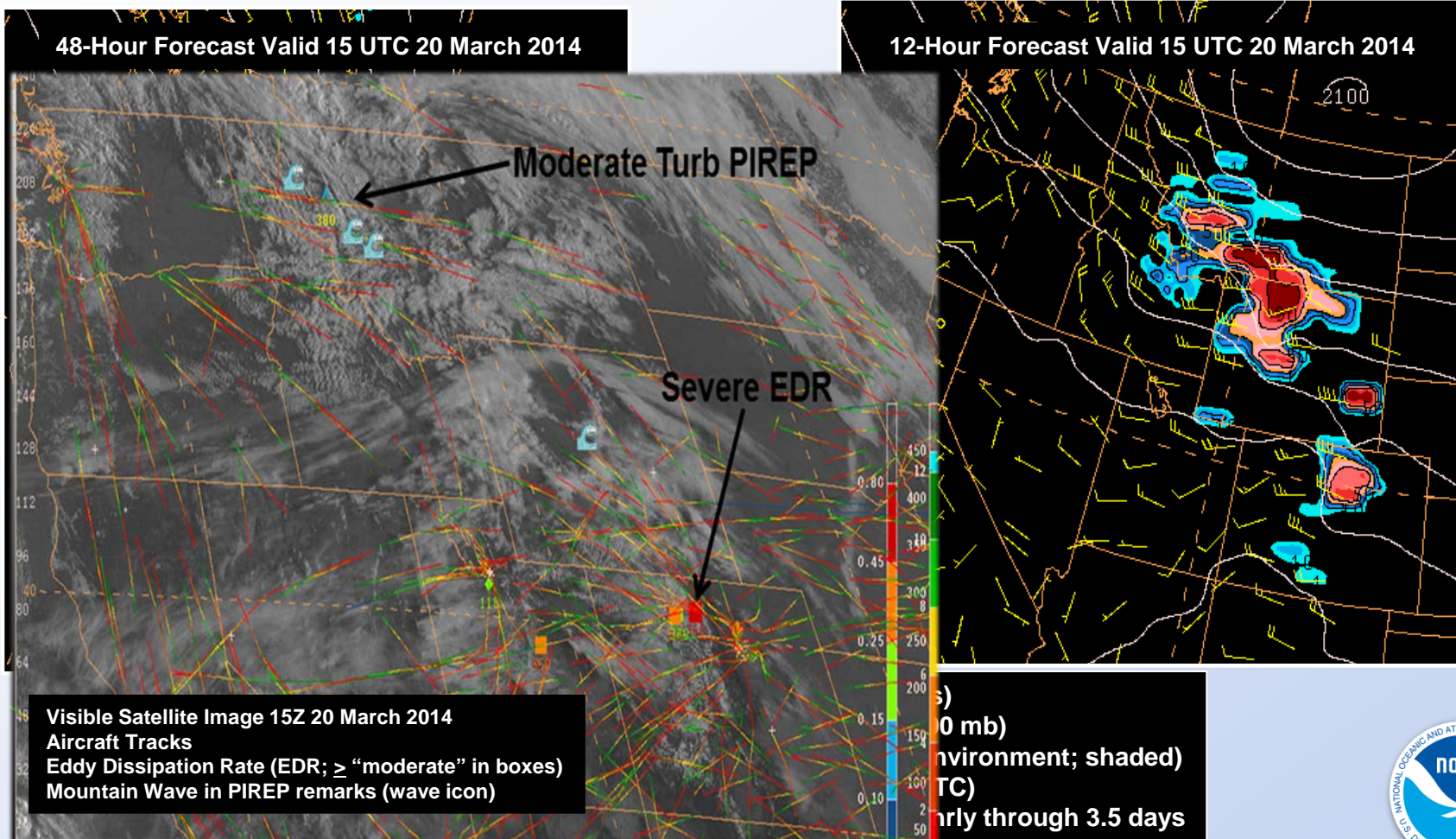
- Using NDFD for consistent forecast elements



NTSB Recommendations

Mountain Wave Activity

➤ *AWC Aviation Weather Testbed developing new tool*



Training

- **Partnership with AOPA Air Safety Institute**
 - *Provide funding through a Grant for online GA weather training*
 - *Topics like:*
 - Thunderstorms and ATC
 - Ceiling and Visibility
 - Precipitation and Icing
 - Airmasses and Fronts
 - VFR into IMC
 - *Over 200,000 views since 2006*
- **AWC provides guest presenter for webinars**



Other Changes

Transition of Area Forecast

- **NWS needs to modernize our aviation products and services**
 - *Area Forecast largely unchanged for years*
 - *No forecast for IFR*
 - *No forecast of weather under 3000 sq mi*
 - *Character limitations resulting in weather information left out of forecast*
- **Transition to digital products already in place**
- **FAA has notice in Federal Register for comment until August 4, 2014**

```

TUS41 KNCI 130845
TAW
TOSC FA 130845
TYNOPSIS AND VFR CLDS/WX
TYNOPSIS VALID UNTIL 140300
TCLDS/WX VALID UNTIL 132100...OTLK VALID 132100-140300
TIE NH VT MA RI CT NY LO NJ PA OH LE WV MD DC DE VA AND CSTL WTRS

TSEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.
T'S IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.
TCON MSL HGTS DENOTED BY AGL OR CIG.

TYNOPSIS...LOW OVER MI UP WITH WRMFT ESE TO SRN LH AND CDFNT
TONTG SE TO SERN NY-LOW 150S NOVA SCOTIA. TROF SERN PA-NERN NC.
TJLC HIGH PRES E OF NC WITH RDG WNW TO WRN VA. BY 03Z...WRMFT
TUF-CNTRL PA BECMG CDFNT SE ACRS DE...THEN ESE INTO ATLC TO 150SE
TIE. CDFNT DTW-CVG AND SSW TO NERN MS.

```

