

Friends/Partners In Aviation Weather – Icing and Winter Weather Information Providers Panel

Presented to: Friends/Partners Meeting

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Federal Aviation
Administration



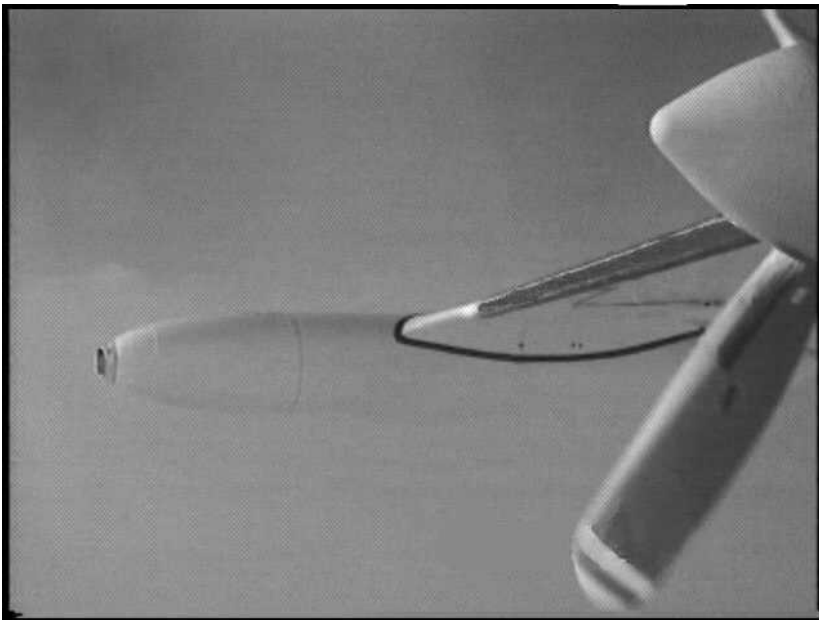
Icing and Winter Weather

- **Aircraft certification perspective**
 - We still do not certify airplanes for freezing drizzle or freezing rain
 - Rulemaking on-going
 - AFM cues for severe icing and exit procedures



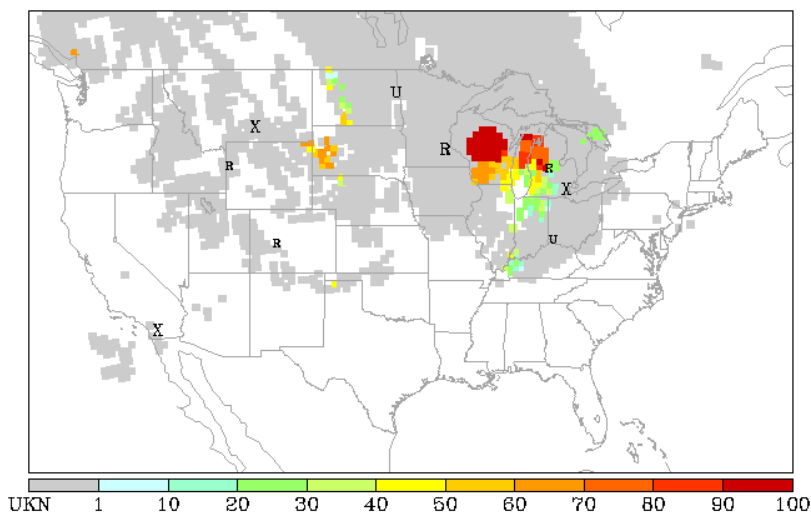
Icing and Winter Weather

- **Supercooled large drops**



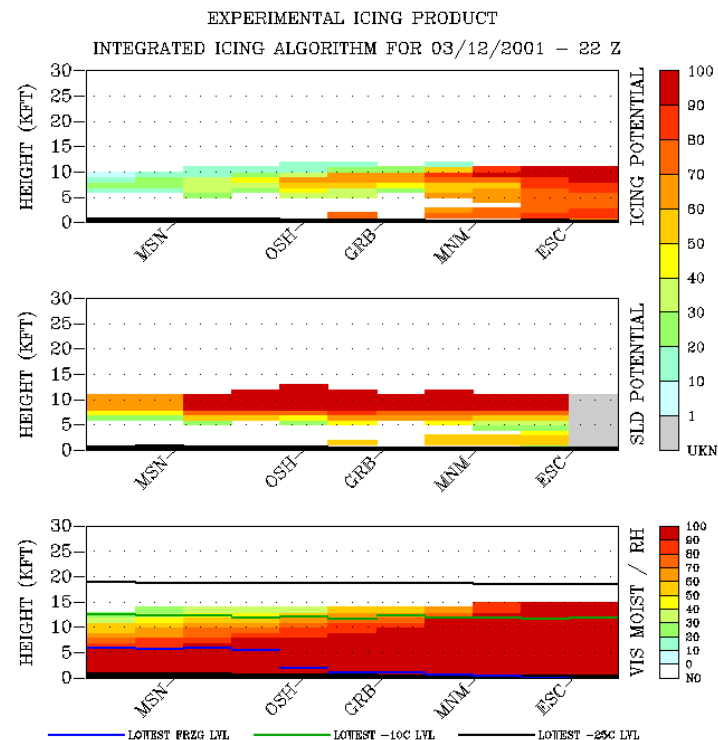
Icing and Winter Weather

INTEGRATED ICING ALGORITHM FOR 03/12/2001 - 22 Z
 POTENTIAL FOR SLD ICE @ 9000 FT
 EXPERIMENTAL PRODUCT - RESEARCH USE ONLY!



ICING PILOT REPORT INDICATORS

C = Clear Icing	MOD/SEV to SEV = Large Font
X = Mixed Icing	LGT/MOD to MOD = Medium Font
R = Rime Icing	TRC to LGT = Small Font
U = Unknown Icing Type	



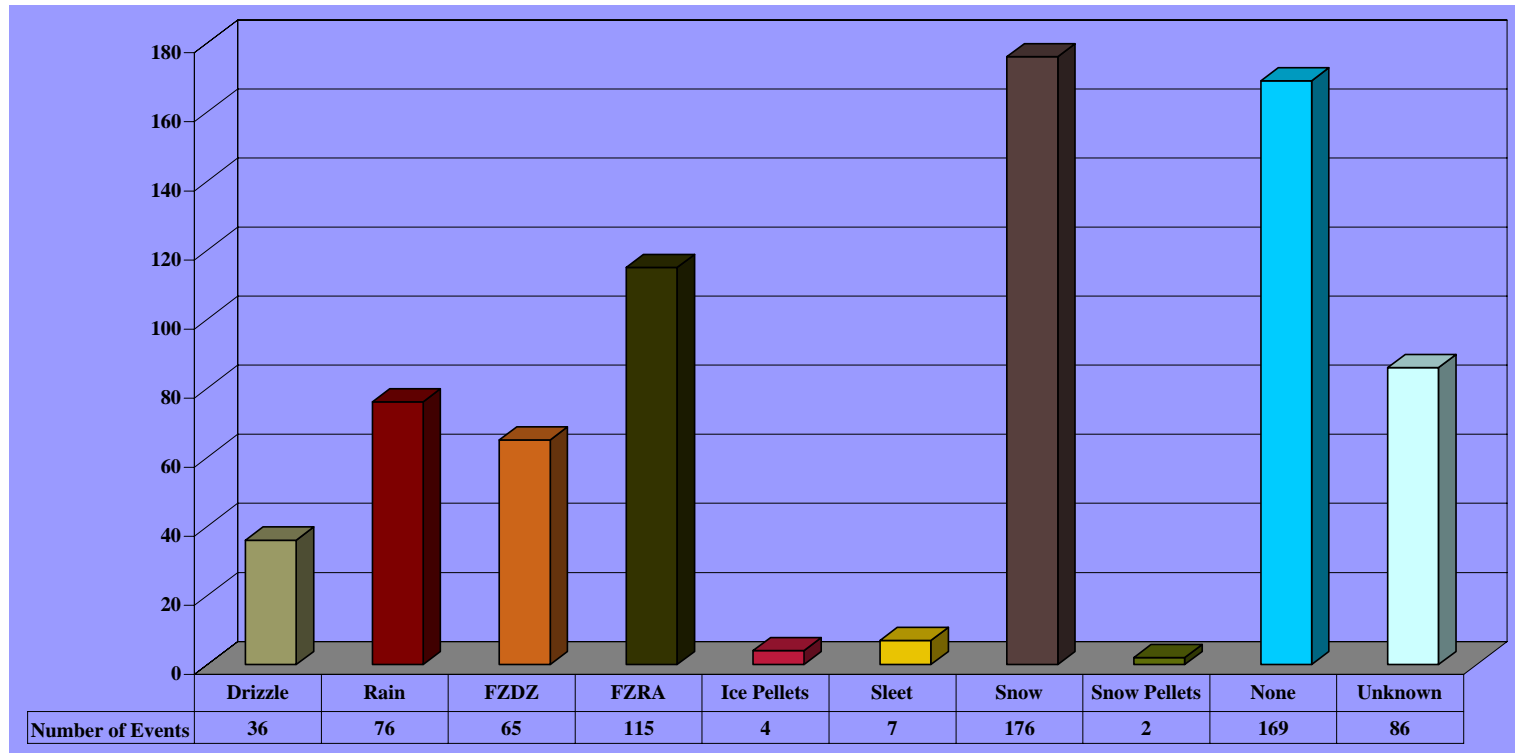
Icing and Winter Weather

- **CIP valuable for pre-flight and would be for in-flight**
 - How will we standardize formats?
- **CIP – DOT/FAA/CT-TN00/18 September 2000**
 - Air Wisconsin & ACA Flight Dispatchers
 - Should be viewable in a vertical cross section
 - Should include PIREP information
 - Use and understanding of SLD
 - Differentiation of different shades of red and blue



Icing and Winter Weather

- Weather in terminal area



- Source: Stephen D. Green, 44th AIAA Aerospace Sciences Meeting, January 2006

Icing and Winter Weather

- **Jerry Ostronic – FAA Air Transportation Division**
- **Roy Rasmussen – National Center for Atmospheric Research**
- **Marcia Politovich - National Center for Atmospheric Research**
- **Robert Ruiz and David Metzbower – FAA Flight Technologies and Procedures Division**

