
Ceiling and Visibility

In-Flight Icing

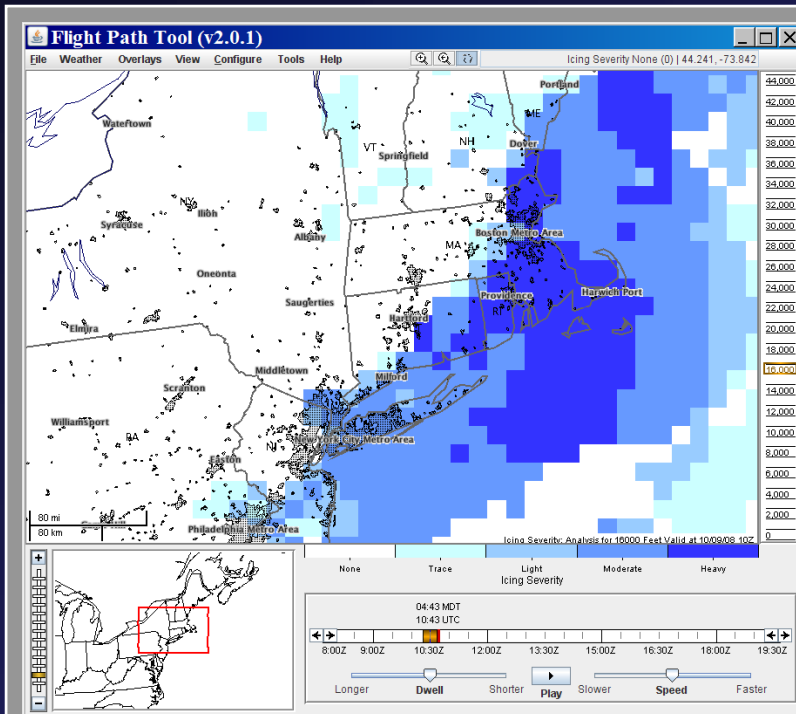
Paul Herzegh, NCAR
Marcia Politovich, NCAR



Photo Credit: AOPA Air Safety Foundation



Recent & Imminent Near-Term Wins



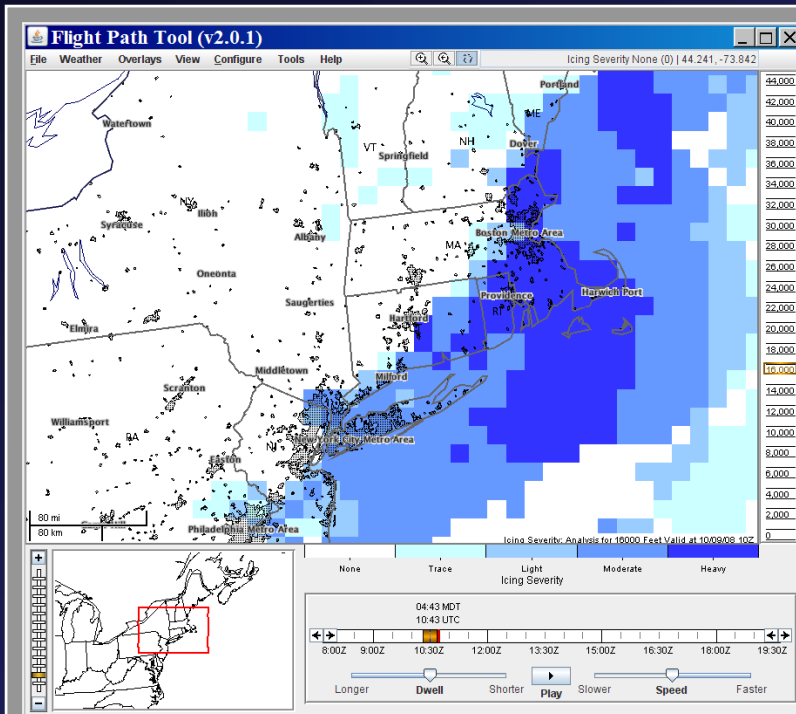
FIP Severity

- Due for D4 Assessment mid-FY09.

Flight Path Tool V2

- Exp. ADDS FY08.
- Features = V1 + HEMS Tool.

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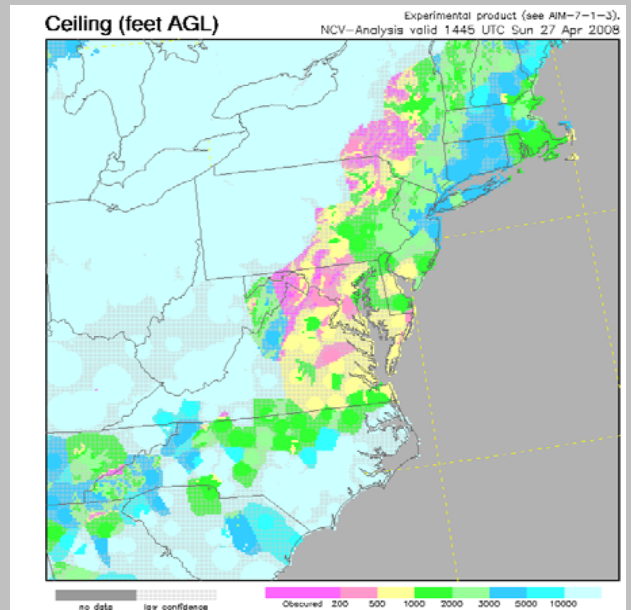
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C&V Diagnosis

- Due for D4 review late FY09.

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- Features = V1 + HEMS Tool.



User/Industry Feedback - 1

Improve & expand C&V & Icing data suites....

- *Add 0-3 hr C&V forecast.
(A focused capability for HEMS & GA short-hop flights.)*
- *Improve in-flight icing resolution from 20 to ~5 km.*
- *FIP icing grids for Alaska with human-over-the-loop.*

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Is there a path to timely release of a 0-3 hr C&V forecast?

Need to explore concept feasibility

- *its role toward operational needs (with users),*
- *its programmatic feasibility (with FAA),*
- *its technical feasibility (with product developers).*

User/Industry Feedback - 2

Improve access to data visualization tools....

- *Agile Java display of all parameters (icing, C&V, winds, radar, convection, satellite, AIRMETS, SIGMETS, etc.)*
- *Zoomable, selectable overlays, AGL/MSL vertical section, GIS-enabled.*

User/Industry Feedback - 2

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Flight Path Tool V2 with Vertical Section Capability

- on Experimental ADDS now
- planned successor to Flt Path V1 & HEMS Tool
- some feature additions not yet in place
- operational release procedure under discussion in FAA

User Feedback Wrap-Up

- User-Provider Partnership Opportunities -

Viability of an accelerated 0-3 hr C&V Forecast?

- *Joint discussion among users, FAA & developers useful to examine issues.*

Flight Path Tool V2

- *User feedback can guide final feature priorities.*
- *Approval/release process ... a parallel discussion within the FAA?*