

ATM Weather Integration

Terminal Precipitation on the Glass

Presented to: Friends and Partners in Aviation Weather

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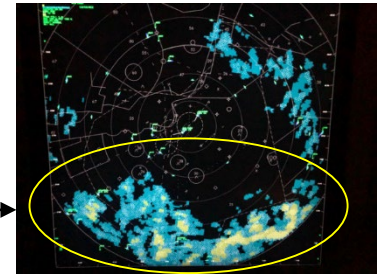


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TPoG Motivation

Anomalous
Propagation



Problem Statement

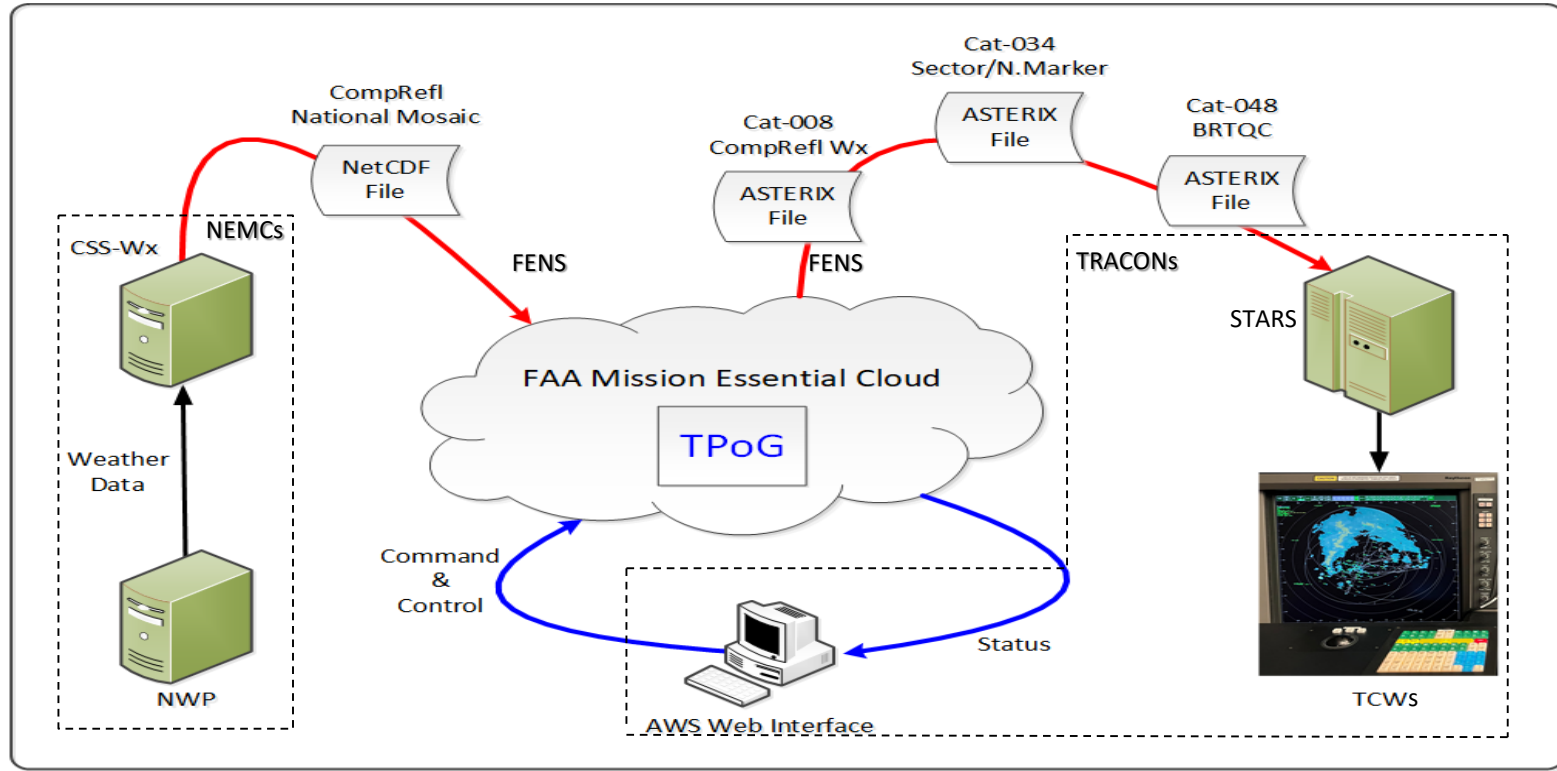
Air traffic controllers in terminal environments do not have **consistent access to accurate, reliable, and timely depictions of precipitation** in relation to their areas of control responsibility. Poor precipitation depiction hinders the ability of the controller to issue accurate precipitation advisories in the terminal environment, to effectively maneuver traffic around weather, and to effectively anticipate changes to traffic patterns and separation strategies

Shortfall Statements

1. Insufficient **accuracy** in depicting precipitation event in relevant airspace
2. Insufficient capability to identify and remove **false precipitation** depiction in relevant airspace
3. Insufficient **consistency** of precipitation event depictions in relevant airspace
4. Insufficient **coverage** of precipitation event depiction in relevant airspace
5. Insufficient **availability** of precipitation event depiction in relevant airspace



TPoG Architecture

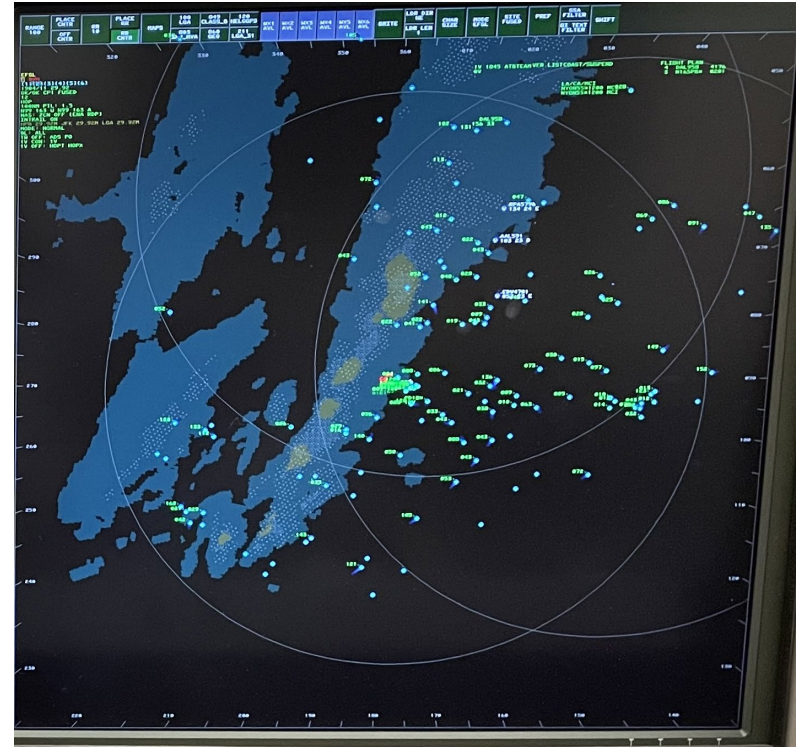


N90-New York



TPoG

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TPoG Benefits

- **Asset 'lite' capability based investment**
- **Delivers high quality weather information already available within the NAS**
- **Data transport to and from dependent systems as defined in existing interface specifications**
 - NO SOFTWARE MODIFICATIONS TO BASELINED SYSTEMS
- **Address all identified precipitation shortfalls**

