AVCams*Plus* – Your Weather InSight

http://avcamsplus.faa.gov

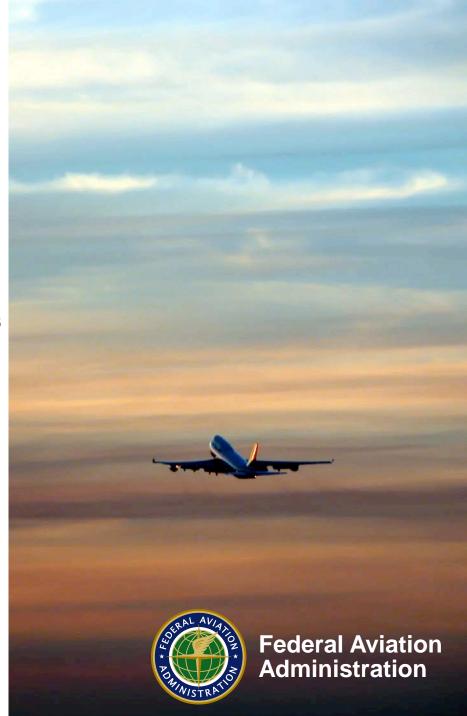
Session Title:

Ceiling and Visibility Forecast/NowCast Improvements CONUS and Alaska, to Include Use of Models, Satellites, and Cameras

Presented at: Friends and Partners of Aviation Weather (FPAW) meeting

By: Daniela Kratchounova

Date: Jul 12, 2017

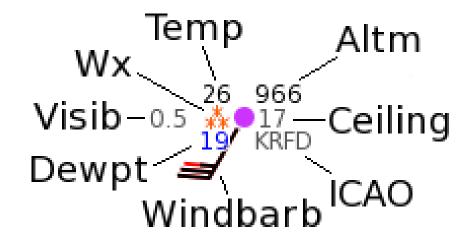


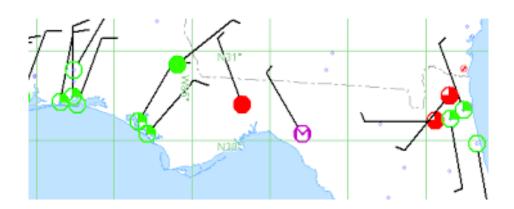
AVCams Plus – Your Weather In Sight

- Goal Provide a comprehensive weather self-briefing and Go-No-Go decision-making tool supporting <u>route-based data acquisition</u>
- Key aspect Access to near real-time aviation weather camera images <u>combined</u> with other essential aviation weather data, aeronautical charts, and NOTAMs
- Benefits Minimized need of using numerous sources
- Method User-centered interface design philosophy applied into the end-to-end systems engineering process
 - End-user population continuously engaged in the design process
 - Demographic composition
 - Significant collaboration between different FAA organizations
 - Aviation Weather Camera Program
 - Civil Aerospace Medical Institute (CAMI)
 - Alaska Flight Services



The Station Model





The Station Model Revisited



Airport & Camera Site Symbol and ICAO ID

Airport PIREP(s) (last 3 hours)

METAR with flight category color coding



Airport symbol and ICAO ID

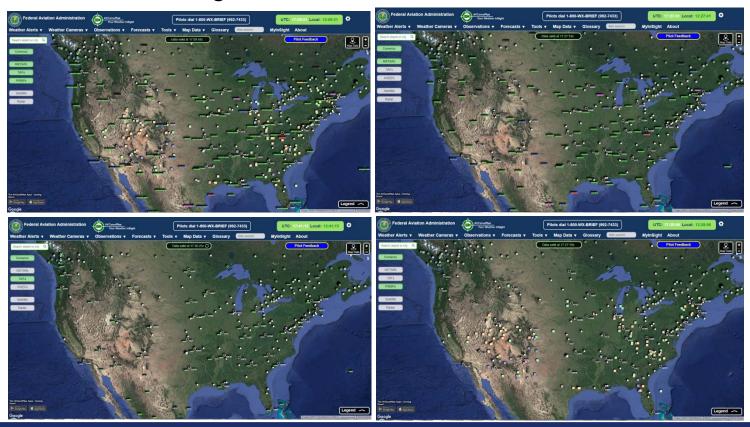
Camera Only Site symbol and Site ID

TAF with the first 4 valid forecast periods and flight category color coding



Ceiling & Visibility Presentation

- Current and Forecast Flight Category
 - Available at a glance



Ceiling & Visibility Presentation

- Current and Forecast Flight Category
 - Details available in raw and plain text
 - Color coded Flight Category based on ceiling & visibility







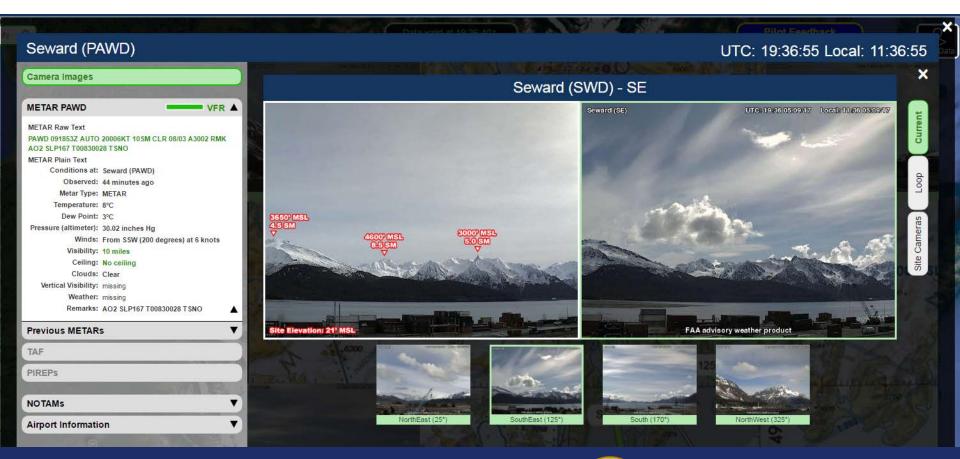


TAF PIREP



Ceiling & Visibility Presentation

Visual/spatial and verbal information – side-by-side



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