

# ***WSI Aviation***

## *FPAW Presentation*

### *ADS-B Status*

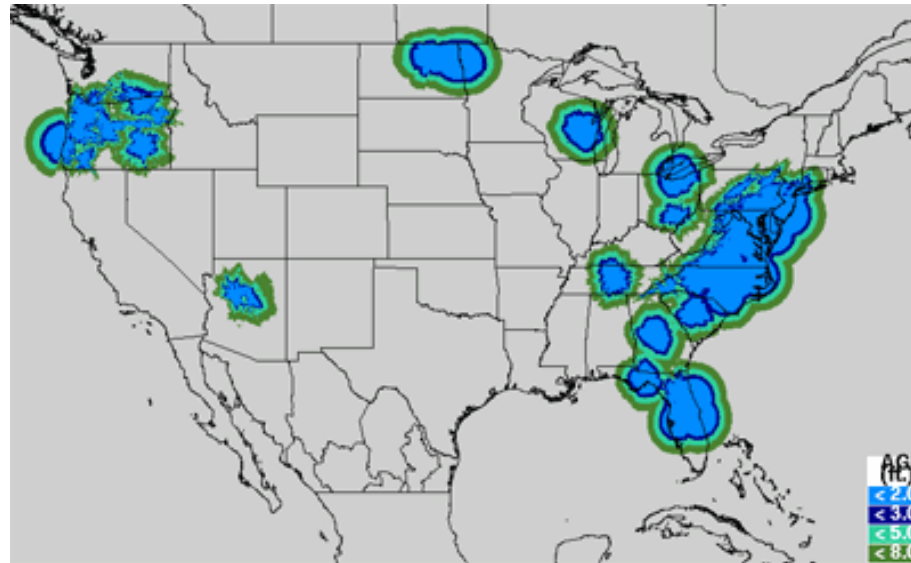
*October 22<sup>nd</sup> 2009*



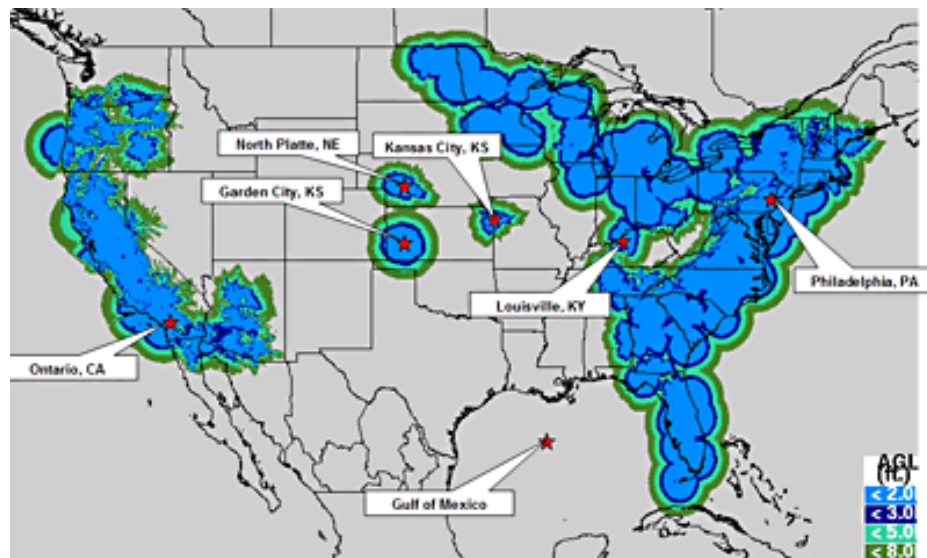
**WSI CONFIDENTIAL**

# Current Rollout

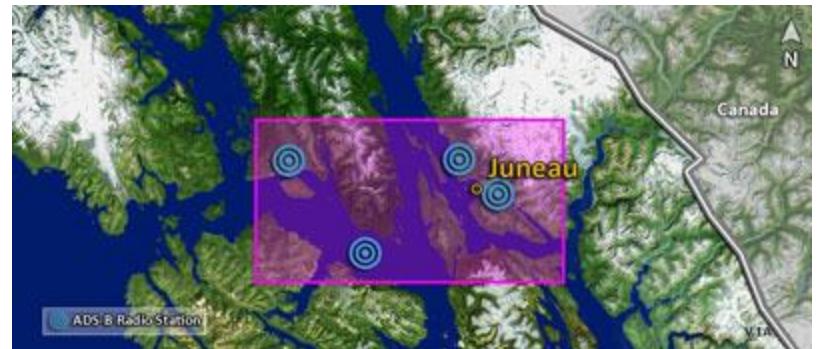
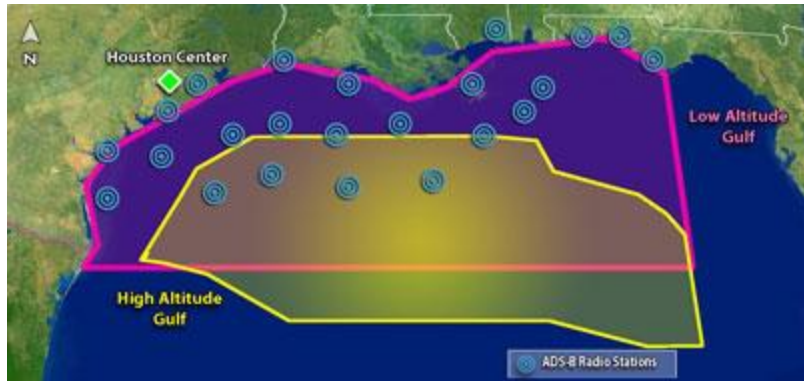
- January 2009



- 2010



# Current Roll Out



# Weather Data/Products in FIS-B

- Required by FIS-B Specification:

NEXRAD Reflectivity Mosaics - Regional and US

METARs

TAFs

AIRMETs

Convective SIGMETs

NOTAMs (FDC and D)

PIREPs

SUA Status

Wind/Temp Aloft

- Graphical presentation determined by existing and modified FIS-B software and avionics displays
- Cockpit presentations governed by existing and pending RTCA and FAA standards
- FAA approval required for Optional products

# Comparison of the FIS-B Data Set to Commercial Services

<i>Data Products</i>	<i>Required in FIS-B</i>	<i>On Basic WSI (Sirius)</i>	<i>On Basic XM*</i>	<i>FIS-B Product Look-Ahead Distance (nm) Enroute SV</i>
NEXRAD Mosaic Reflectivity - US	Yes	Yes	Yes	CONUS
NEXRAD Mosaic Reflectivity - Regional	Yes	Yes	Yes	250
NEXRAD Mosaic w/Precip Type	No	Yes	Yes	NA
METAR/SPECI (text/graphical)	Yes	Yes	Yes	500
TAF/AMEND (text/graphical)	Yes	Yes	Yes	500
SIGMET/Conv SIGMET (text/graphical)	Yes	No	No	500
AIRMETS (text/graphical)	Yes	No	No	500
PIREPS (text/graphical)	Yes	No	No	500
NOTAMs–D&FDC (text/graphical)	Yes	No	No	100
NOTAM TFR (text/graphical)	Yes	Yes	Yes	100
Temperature/Wind Aloft (text)	Yes	No	No	1000
SUA Status (text/graphical)	Yes	No	No	500
TIS-B Status Messages (text)	Yes	No	No	RF Coverage

Note: Graphical presentations of products are a function of the avionics display. FIS-B data provides the information necessary to render the products.

\* Information on the XM service is provided based on commercially disclosed information.



# Goal for Program

- TIS-B and FIS-B are major safety 'enhancers' for General Aviation
- The intent is that the services provided will positively effect the cost / benefit perception of owners such that equipage rates will be high (and accelerated)
- Weather (FIS-B) should be a major benefit for General Aviation
  - What is your perception?
  - Is there something different?
  - More is always better – but....