

AOPA Perspectives and Resources for Loss of Control Prevention

AASF 2016 Fall Seminar

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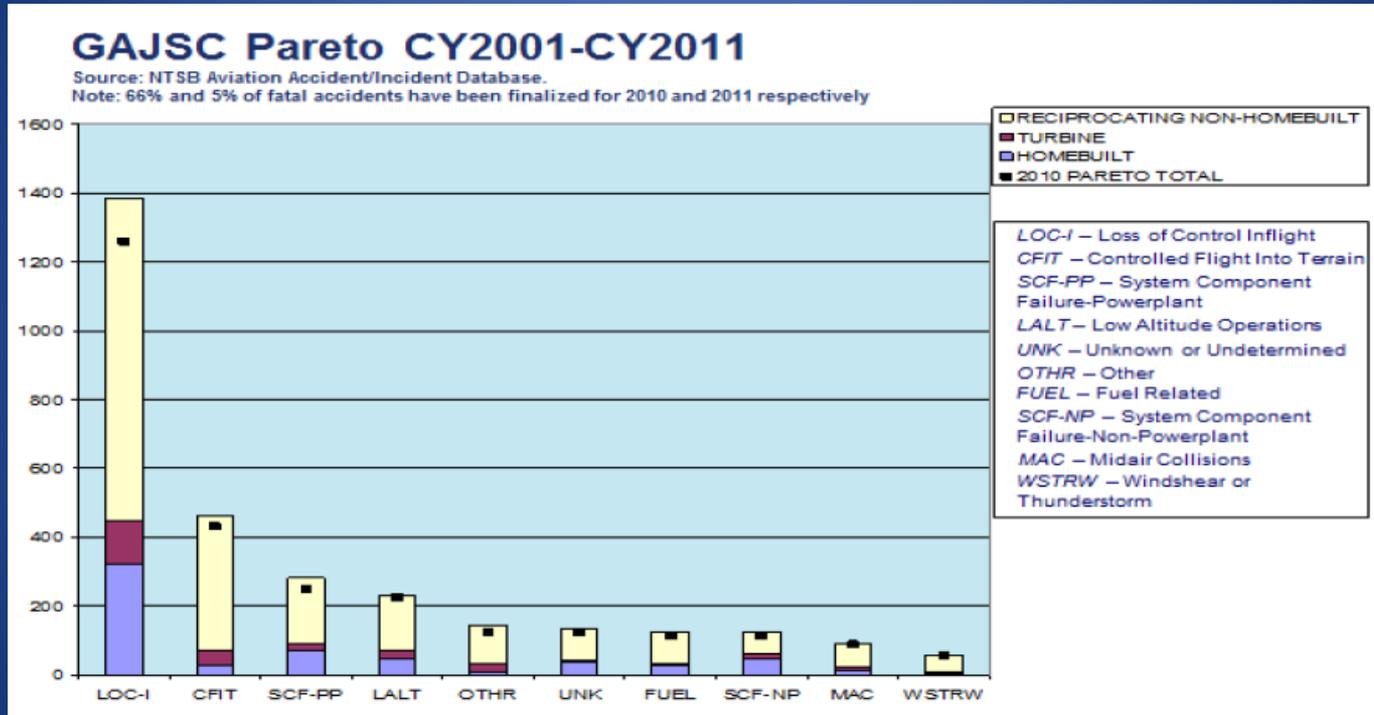


AOPATM

your freedom to *fly*

AOPA involvement

- Participated in the Loss of Control working group



- Generated 34 recommended Safety Enhancements



Use of CFI's

Flight Instructor Refresher Clinics

- In person
 - Includes segment on LOC
 - Stalls and AOA
 - Base to Final Turn
 - Maneuvering
 - Case Studies
 - How to teach LOC awareness and avoidance



Flight Instructor Refresher Course

AOPA FIRC in Anchorage, November 19-20, Lake Front

- On line AOPA e-FIRC
 - Optional segment today
 - Mandatory starting July 1, 2017



Online FIRC

AOPA Air Safety Institute Products

- Online courses
 - Essential aerodynamics
- Videos
 - Margins of Safety:
 - Angle of Attack Indicators
 - Avoiding Power-On Stalls
 - Avoiding Traffic Pattern Stalls
- Webinars
 - Aerodynamics
- Safety Quizzes
 - Aerodynamics
 - Maneuvering Flight
 - Stalls and Spins
- Publications
 - Maneuvering Flight
 - Spatial Disorientation
- Tool
 - Flight Risk Evaluator

<https://flash.aopa.org/asf/flightrisk/index.cfm>



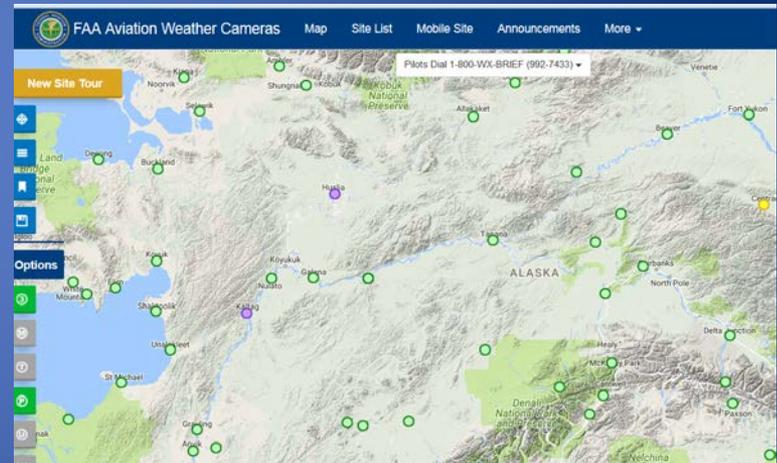
AOPA AIR SAFETY
INSTITUTE

Other AOPA tools...

- Lapsed Pilot resources
 - *Rusty Pilot* “ground school”
 - <https://www.aopa.org/training-and-safety/lapsed-pilots/rusty-pilots>
 - Web resources for *Getting Back into Flying*:
 - <https://www.aopa.org/training-and-safety/lapsed-pilots>

Beyond AOPA...

- GAJSC report includes weather issues
 - SE 12, Weather Tech– Weather Cameras
 - <http://avcams.faa.gov/>
 - SE 13, Weather Tech– Use of available weather information
 - In Alaska, MAWS units
 - Reports not distributed by FAA

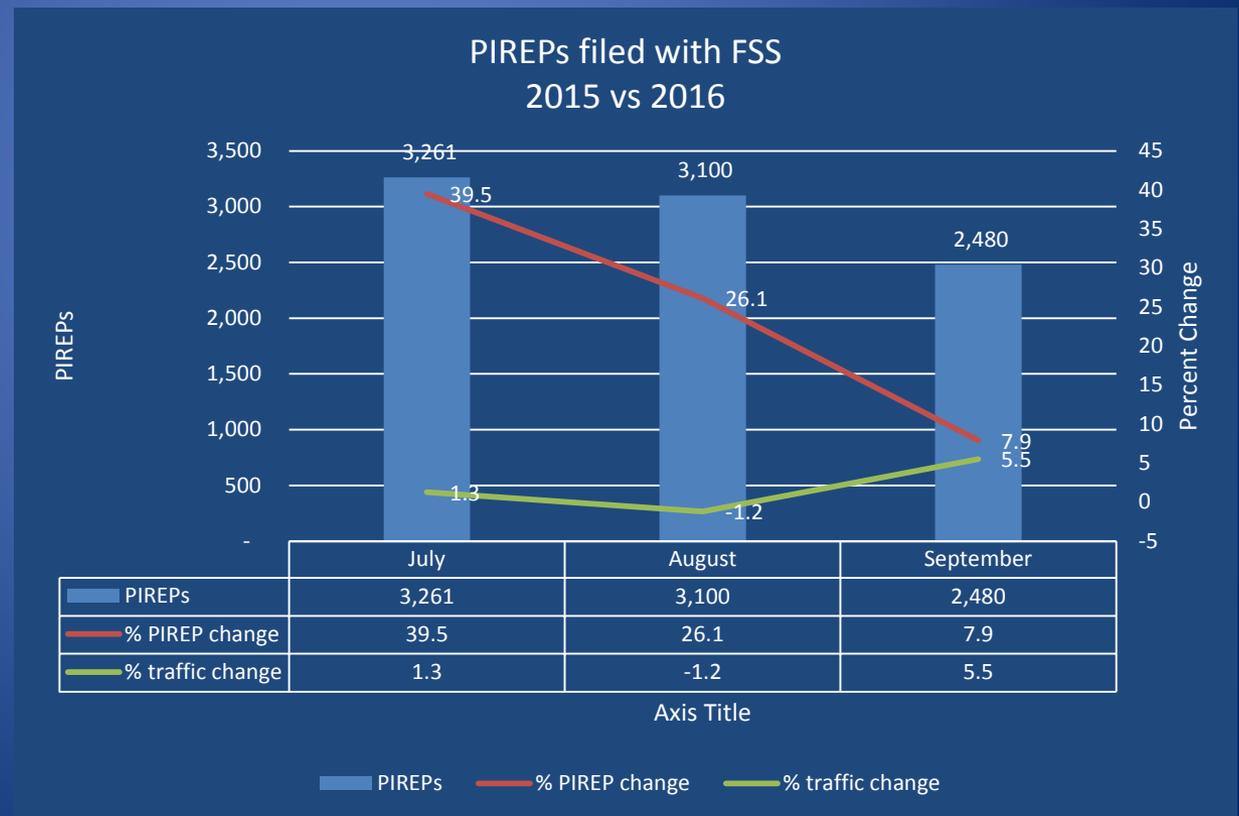


Pilot Reports

PIREPs are important!

- FAA, NWS, NTSB and Industry have been engaged in a campaign to improve PIREP reporting.

- Please keep 'em coming!

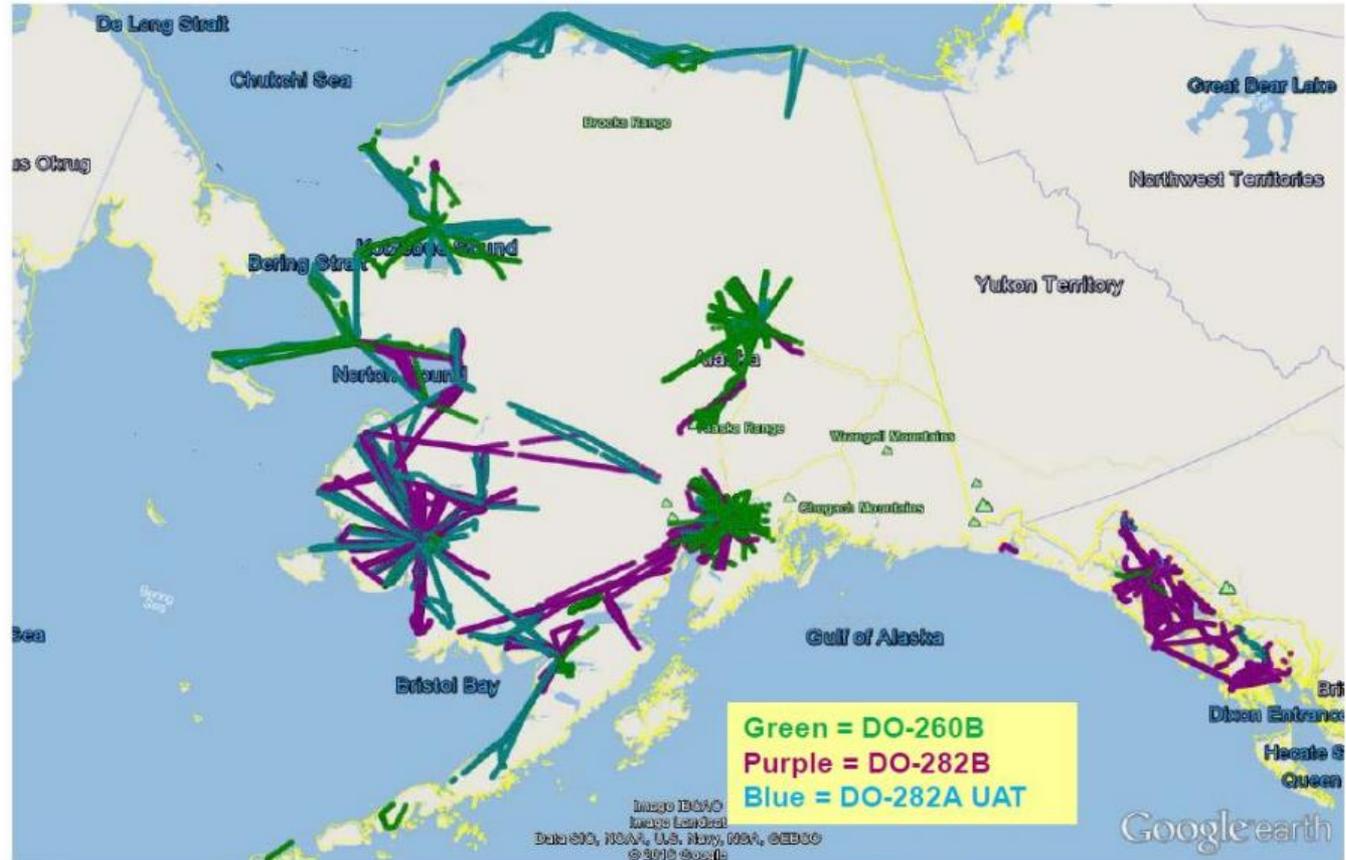


Alaska ADS-B Coverage

This graphic shows the actual flight track data recorded on August 29, 2016

Airliner and other traffic operating above FL180 was filtered out

AK ADS-B Below 18K: 8/29/16-24 Hours



Flight tracks from three Fairbanks and one Tok Part 135 operators during the 24-hour period on August 29, 2016

Warbelow/Air Arctic = Blue
Wright Air = Red
40 Mile = Pink

A combined total of over 150 flights.

The operators indicated this was not a particularly high-traffic day.

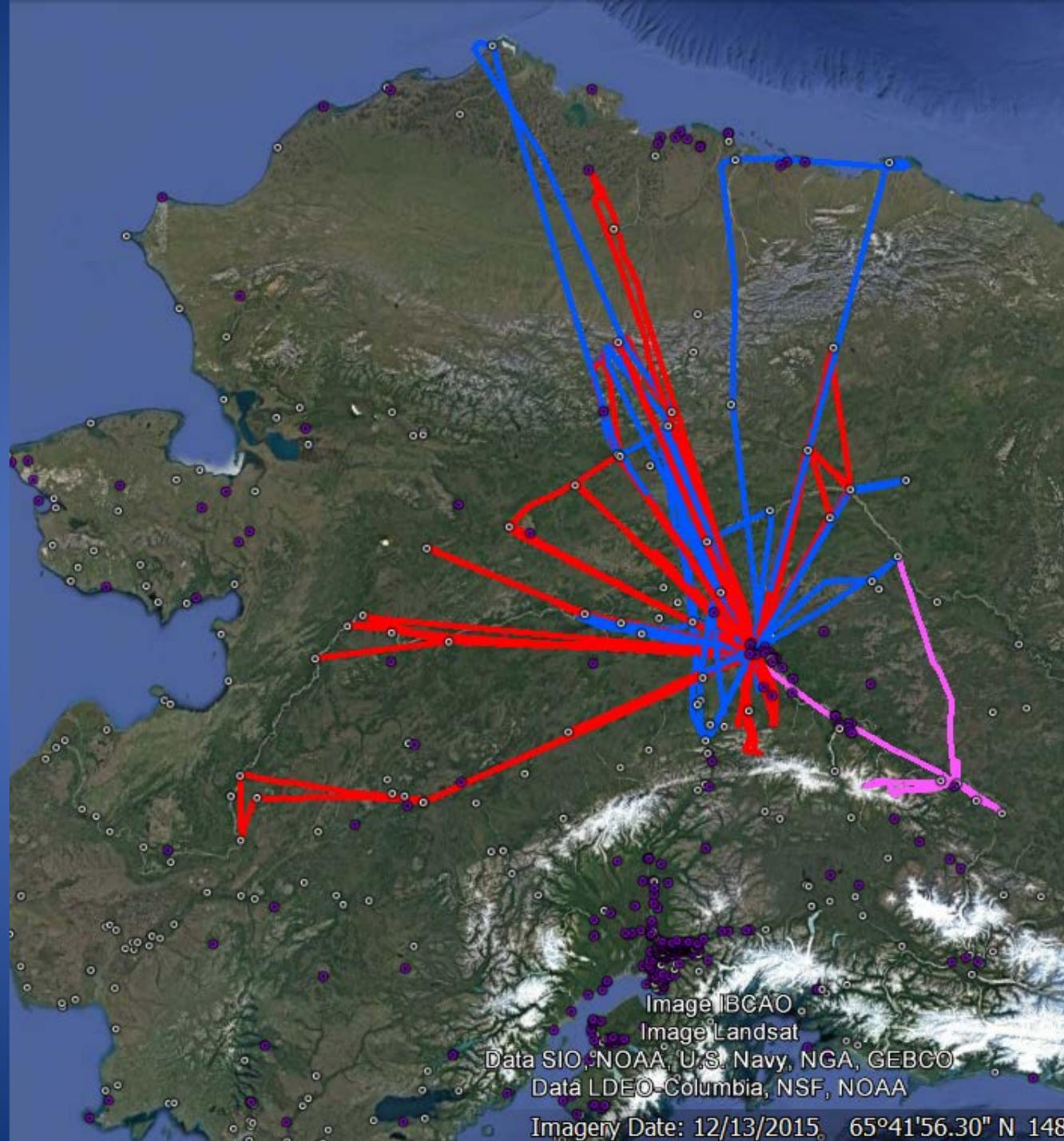
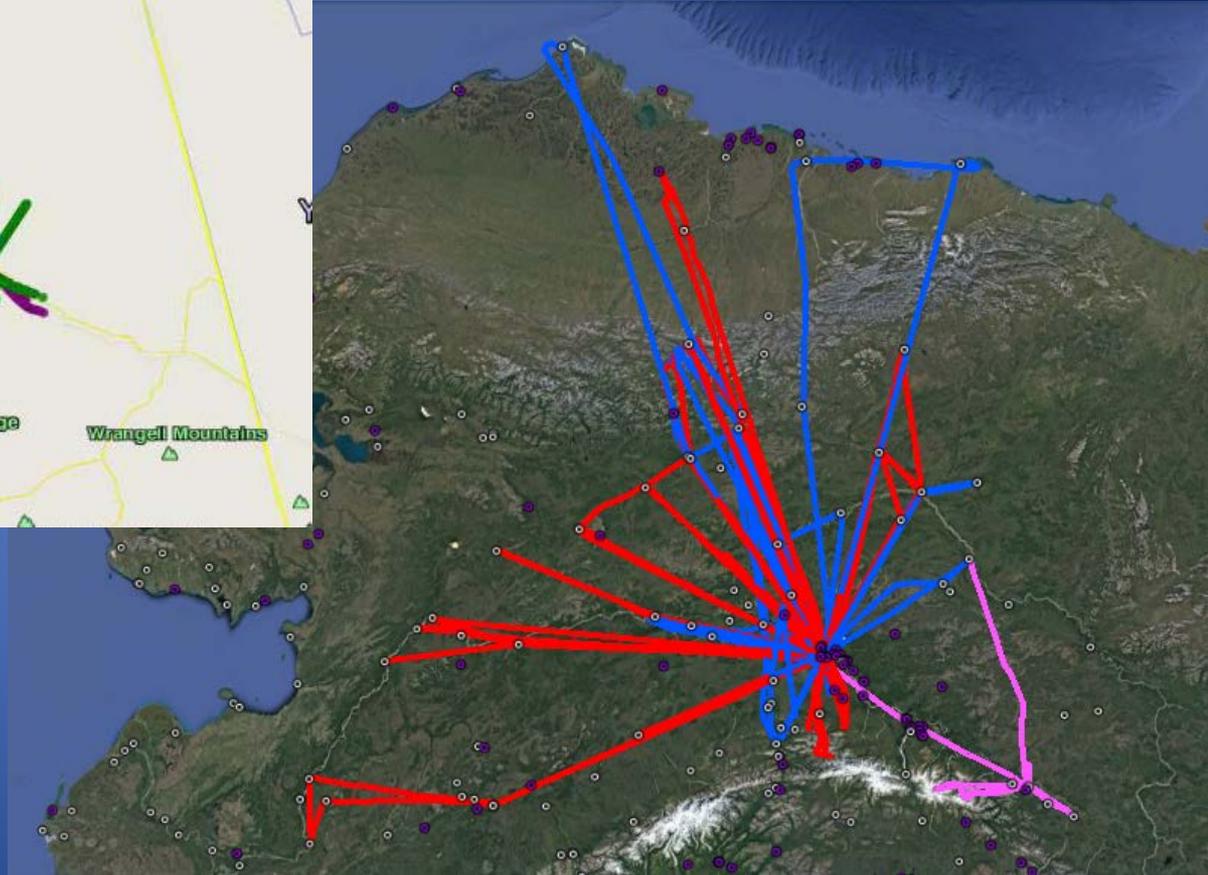


Image IBCAO
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Data LDEO-Columbia, NSF, NOAA

Imagery Date: 12/13/2015, 65°41'56.30" N 148

Aug. 29, 2016

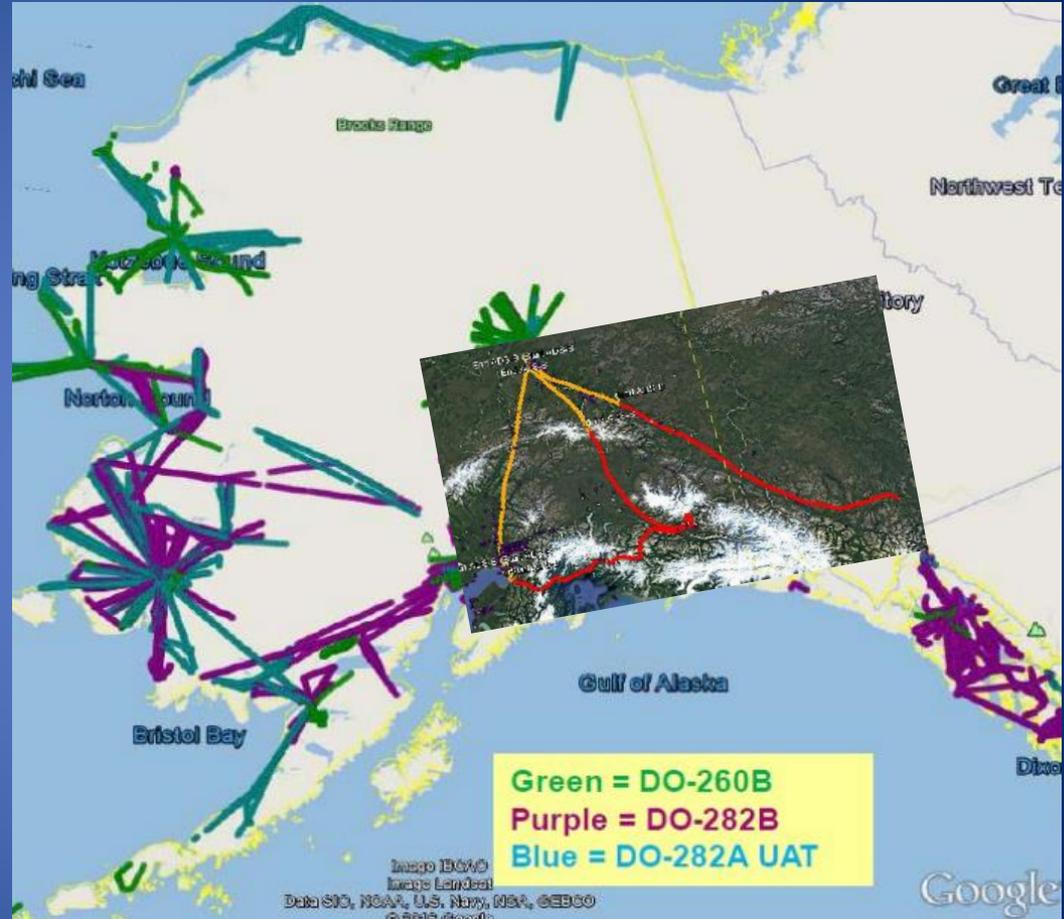


Flight data was collected for the same time period as the ADS-B track map

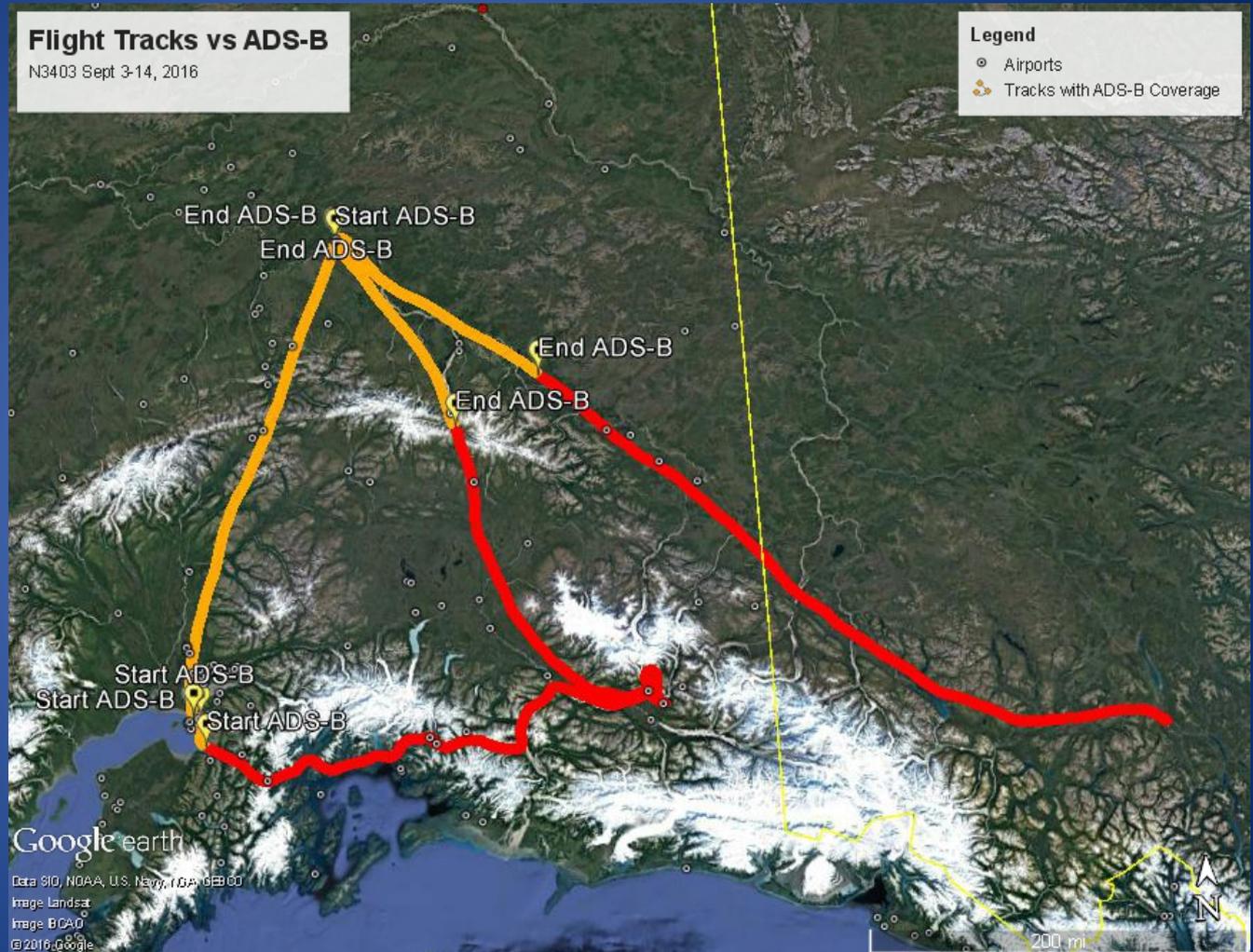
Private Pilot Case

A Fairbanks based GA pilot, operating a C-177, recently installed ADS-B-Out in his aircraft. The following show his flight tracks, recorded using Spidertracks.

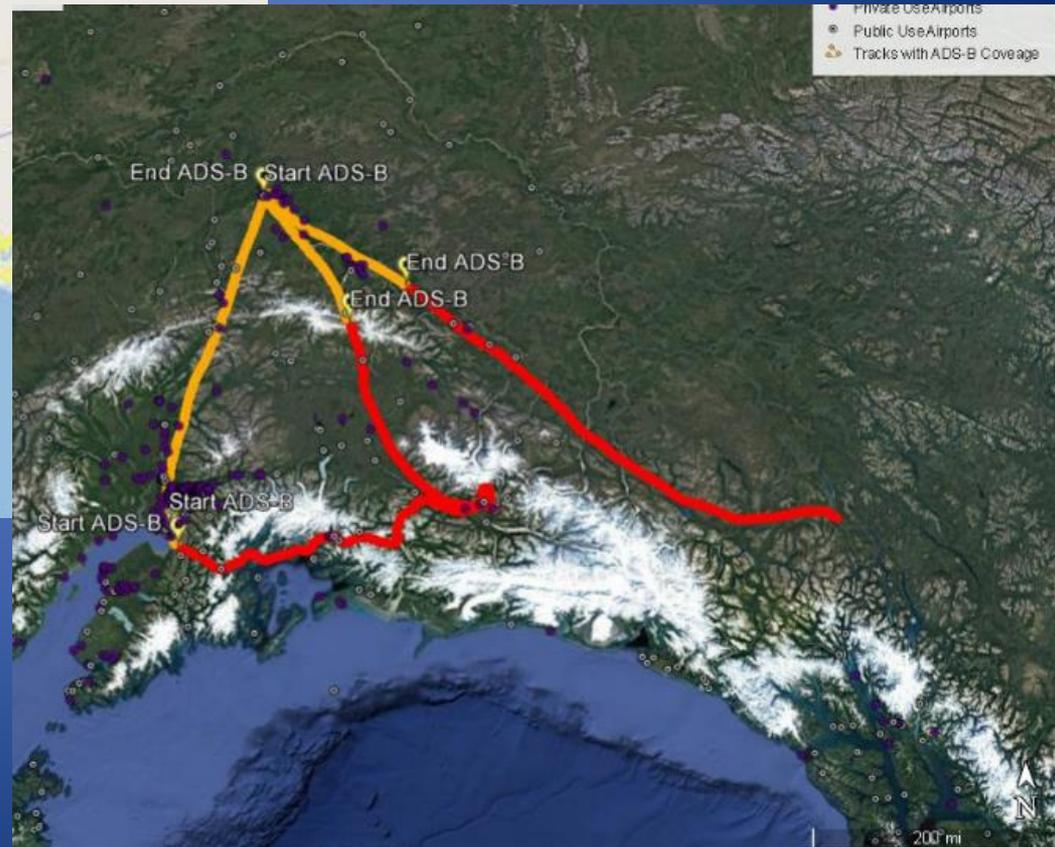
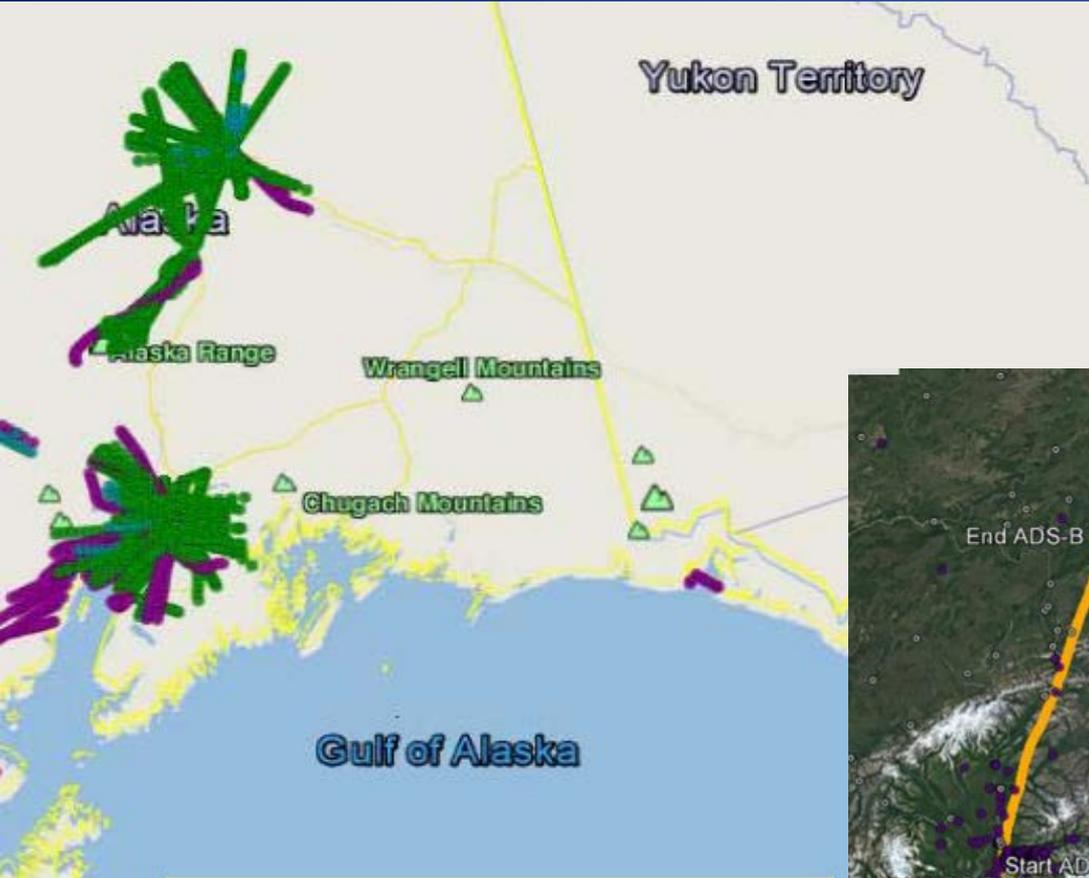
- Confirmation reports from FAA were used to identify the times his flight tracks were recorded at ADS-B ground stations.
- These flights occurred between September 3-14, 2016



- Yellow tracks are ones within ADS-B coverage.
- Red lines depict areas where no ADS-B tracks were recorded.



While on different dates, these tracks illustrate the lack of coverage in the Copper River Basin, Wrangell Mountains and central Gulf of Alaska. Air Taxi data from McCarthy, Gulkana and in Prince William Sound should be sought to better define traffic in these areas.



If you can help document significant traffic in areas not in ADS-B coverage areas, please contact me!

An aerial photograph showing a vast, snow-covered landscape. In the upper left, a portion of a red wing structure is visible. A large, dark blue lake or reservoir is situated in the middle ground, surrounded by snow. The terrain below is marked with various tracks and patterns, suggesting a winter or high-altitude environment. The sky is clear and blue.

Thank You!

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