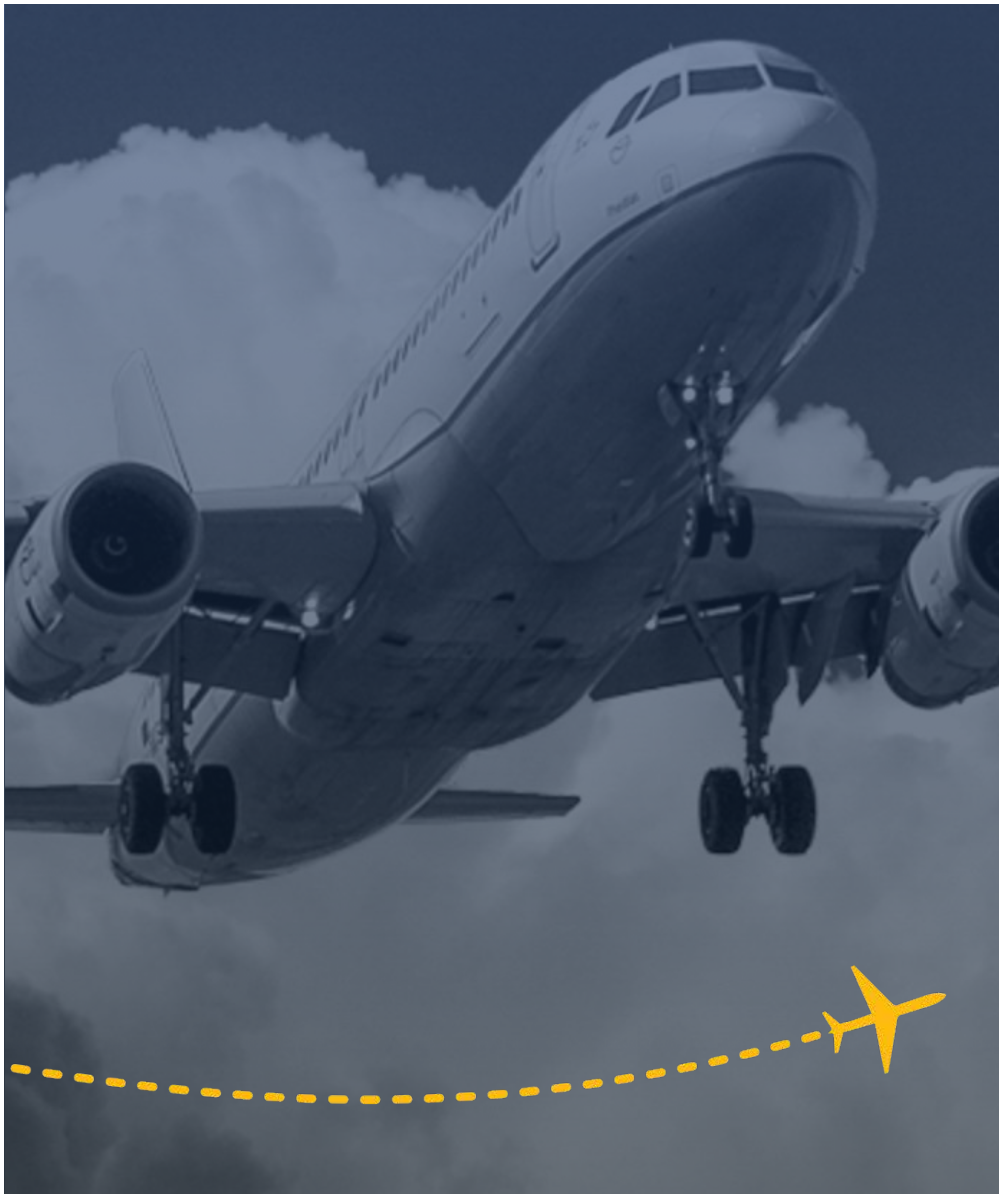

FlightAware
IN PARTNERSHIP WITH ARINCDirect℠

New Features 2022

- Flight Replay
- Scheduled Visualizer
- Cockpit Situational Insights
- Autopilot Heading & Altitude in Track Log
- Ready to Taxi™ Times
- Live Surface Tracking (Beta)
- FlightAware Foresight™ Uplink



Summary of Contents

1 **Getting Started**
- ARINCDirect Portal → FlightAware Platform

2 **Account Settings**
- Display Options
- My FlightAware

3 **My FlightAware / Fleet View**
- Overview
- Fleet View
- Map Behavior

4 **Aircraft Tracking**
- Flight Page
- Scheduled FBOs
- Track Log
- Live Surface Tracker
- FlightAware Foresight™ Uplink

5 **Message Center**
- Messaging Aircraft

6 **Airport Pages**
- Airport Flight Tracker
- Airport Weather

7 **Aireon℠ Space-Based ADS-B**
-

8 **Support Contact Information**



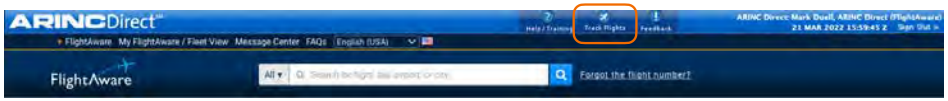
Getting Started

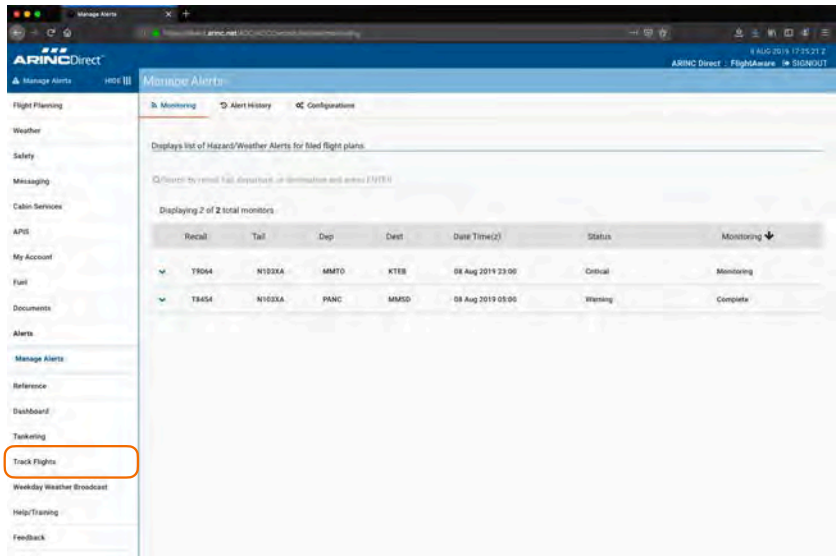


Accessing the FlightAware Platform

1. Log into the ARINCDirect Portal
2. To access ARINCDirect flight tracking, click on **Track Flights** which is located at the top, center of the page.

   If you are on another section of the ARINCDirect Portal, the **Track Flights option may be on the left side.*
3. You will then be directed to **My FlightAware / Fleet View** where you will have access to your authorized ARINCDirect aircraft.



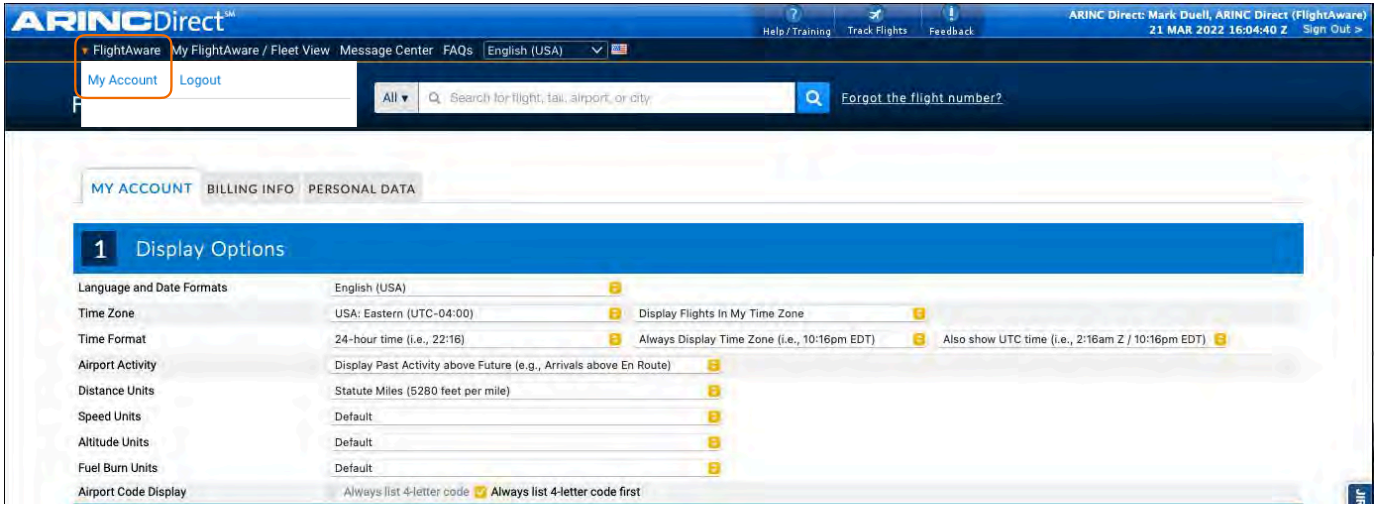


Account Settings



Display Options

To access **Account** settings, click on or hover over your username to select **Account**.



Section 1 - Display Options:

Select your preferences for displayed language, date/time format, time zones and units.

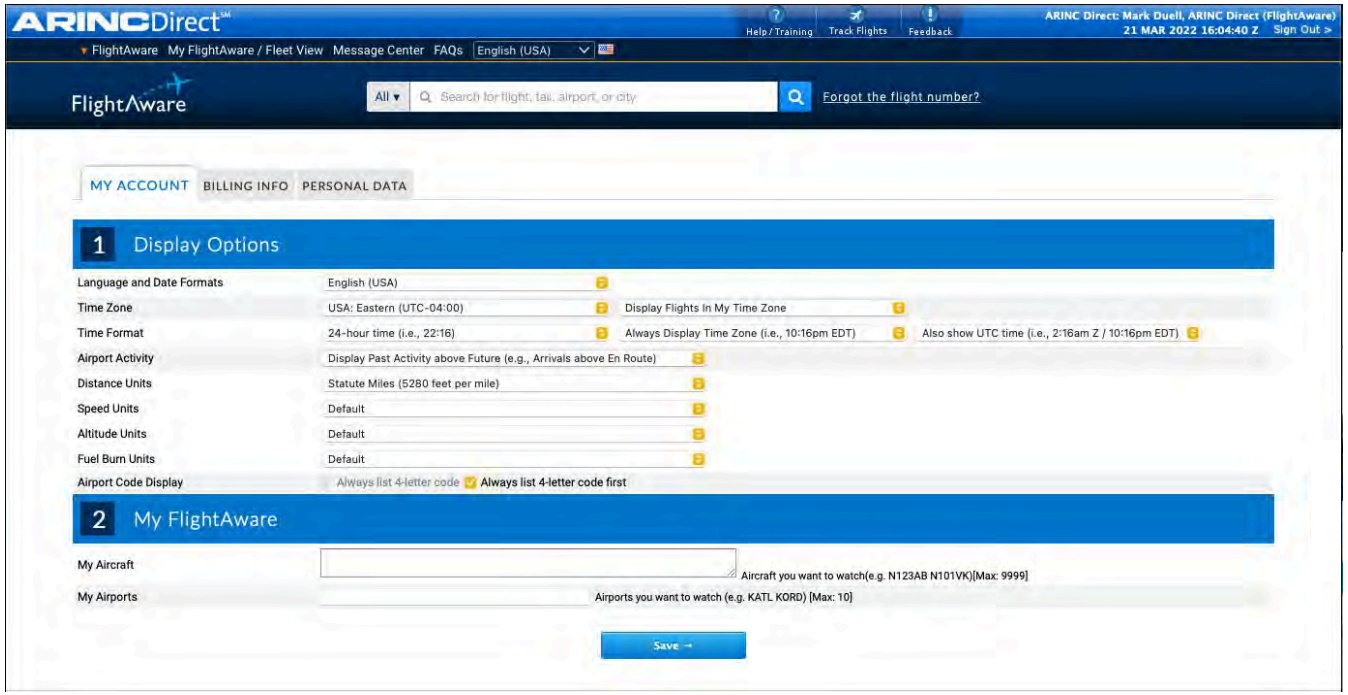
Time Zone: Accounts are defaulted to the UTC/Zulu time zone. Change the time zone to your preferred time zone and either select to have the flights displayed in your selected time zone or in the flight's local time zone. This setting affects time displayed on the flight page, airport page and My FlightAware / Fleet View.

Time Format: Select either 12h or 24h clock format and whether you want to indicate the time zone. You have the option to show only local time or local time and UTC. This setting affects time formats on the flight page.

Section 2 – My FlightAware:

Manage aircraft that you want to view in your **My FlightAware / Fleet View**.

You are able to track any unblocked aircraft besides your ARINCDirect aircraft through this platform.



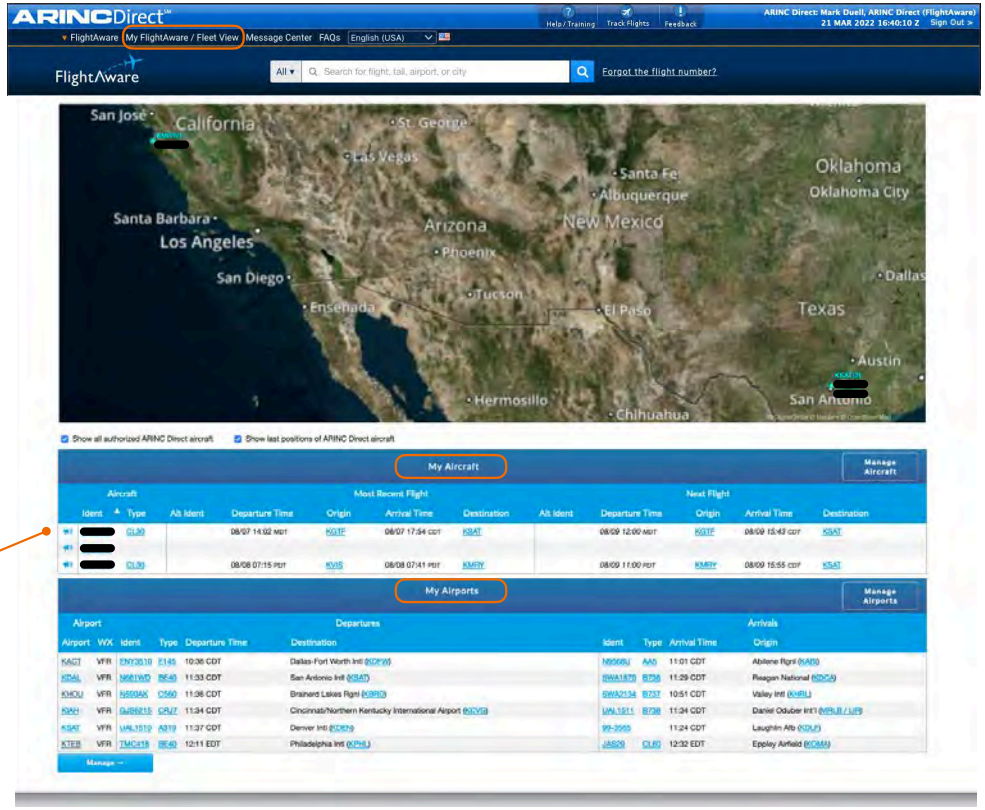
My FlightAware / Fleet View



Overview

The **My FlightAware / Fleet View** page is the main flight tracking dashboard.

This lists the aircraft and displays all your en route aircraft on a single map and indicates your aircraft's last known position.

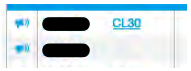


My Aircraft:

Lists saved aircraft by ident with aircraft type and any known alternate idents.

The most recent flight as well as the next scheduled flight (if known) are listed with origin/destination and departure/arrival information.

By default, authorized aircraft will be included in your **My Aircraft** *list. You can add additional aircraft to the list by clicking on Manage Aircraft.*



Megaphone icon: To send an ACARS message to a specific aircraft, click on this icon to the left of the desired aircraft.

My Airport:

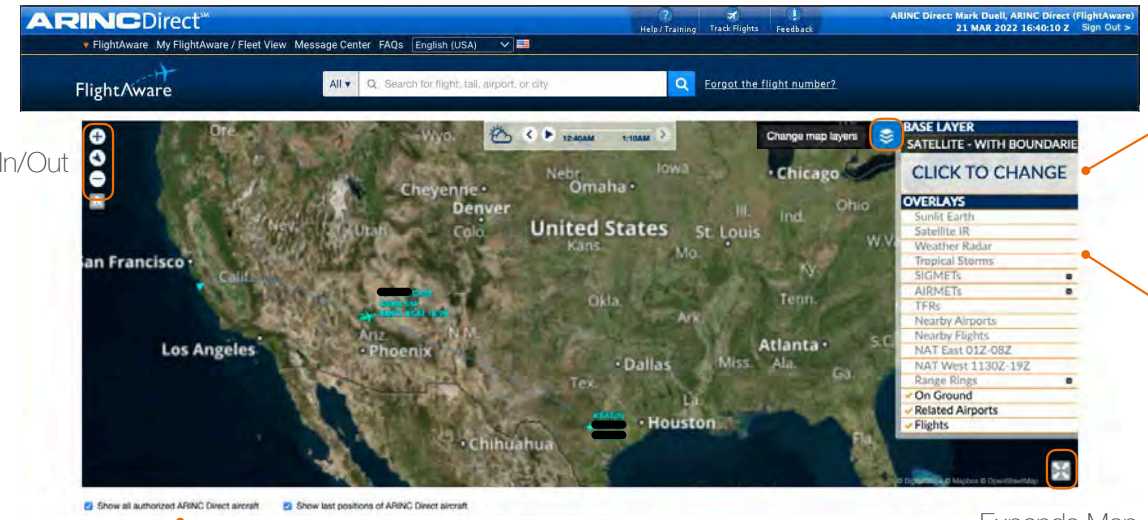
Lists saved airports with current weather conditions along with some flight information of an aircraft inbound and outbound.

* [redacted] - *Masked Tail/Ident*

Fleet View

Within the **Fleet View** map, you will see a variety of icons that indicate home base airports, airports where your aircraft are parked at and last known ARINCDirect position of a saved aircraft.

You can also manage the variety of map base layers and overlays to include in your view.

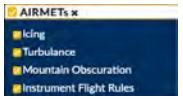






Layer Settings

Select gear icon to view and select settings for the layer



Removes the authorized aircraft from display.

Indicates last known ARINCDirect position of an authorized aircraft.

* [redacted] - *Masked Tail/Ident*

Map Behavior

When your pointer is inside the map, you will see labeled home base airports (•) and airports with aircraft parked at them (+).

The number of aircraft parked at an airport is designated by a number in parenthesis. Hovering over an airport with parked aircraft will list the tail numbers of those aircraft, and clicking will bring up a pop-up listing the tails, each linking to their respective aircraft pages.

When your pointer is outside the map, you will see all ARINCDirect last-reported positions of non-in-progress flights (▼) and home base airports (•).

While an aircraft is operating, you will see an information box next to the aircraft icon on the map:

Ident Aircraft_type
Alt Speed
Origin Destination ETA

Map Legend

Symbol	Meaning
	Airport
	Last-reported ARINCDirect position of an aircraft
	Airport code with (# of) "parked" aircraft, using last-reported ARINCDirect positions. *Hover over the symbol to see the list of aircraft at airport.*
	Aircraft in flight
	Planned Route - *dashed line* (Appears for US/Canadian Routes)
	Estimated Flight Path - *white tracking line* (aircraft may be operating outside of primary coverage area)
	Actual Flight Path - *green tracking line*

* [redacted] - *Masked Tail/Ident*

Aircraft Tracking

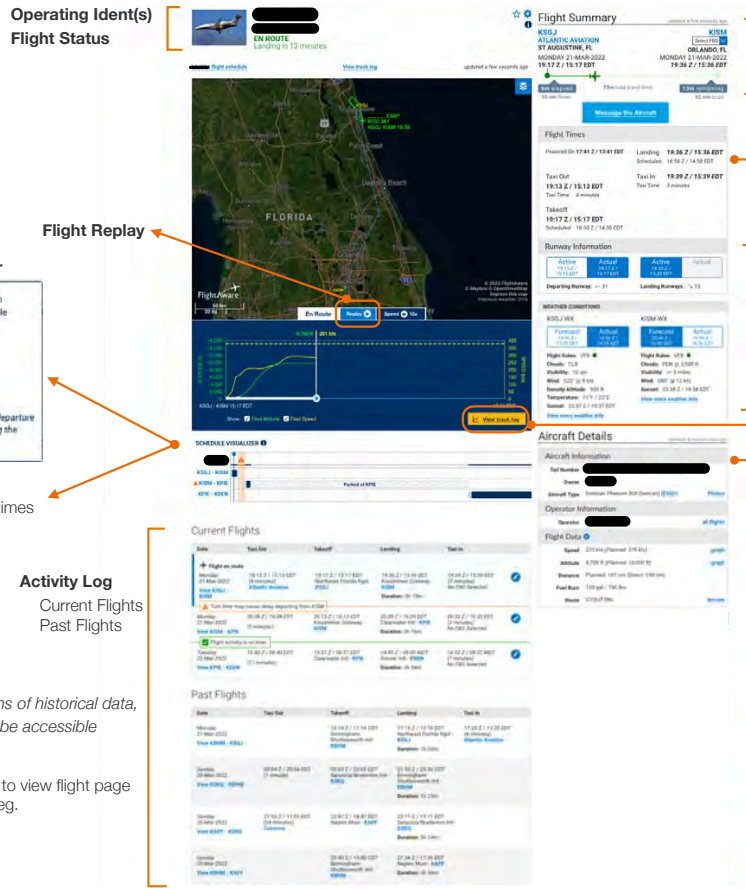


Aircraft Tracking

Flight Page

The flight page presents detailed flight information such as, a map of the flight with the planned route, the track log and the activity of past flights.

To be redirected to a flight page, click on an aircraft from your **My FlightAware / Fleet View** page or enter either the registration / tail number /callsign in the Search field, located at the top center.



Operating Ident(s)
Flight Status

Flight Summary

Origin/Destination
FBO Information
Date
Departure Time
Arrival Time
Time Elapsed
Time Remaining
Total Flight Time
Distance flown
Distance Remaining

Ready To Taxi™ (RTT) Times

Power On
Taxi Out
Takeoff
Landing
Taxi In

(Scheduled/Estimated times are italicized)

**Time Format settings can be modified through the Account page. See the Account Settings slide.*

Flight Replay

Schedule Visualizer

The schedule visualizer gives operators an overview of the day and highlights schedule conflicts that will need to be addressed.

- Taxiing
- En Route
- Parked
- Quick Turn
- Problem*

** Resolve problem flights by updating the departure time in the Current Flights log or by clicking the error icon in the visualizer.*



Hover over blocks to view times

Cockpit Situational Insights (CSIs)

Runway Information
Weather Conditions

**Autopilot information included on track log page.*

Track Log

Aircraft Details

Registration Information
Speed
Altitude
Distance
Route

Activity Log

Current Flights
Past Flights

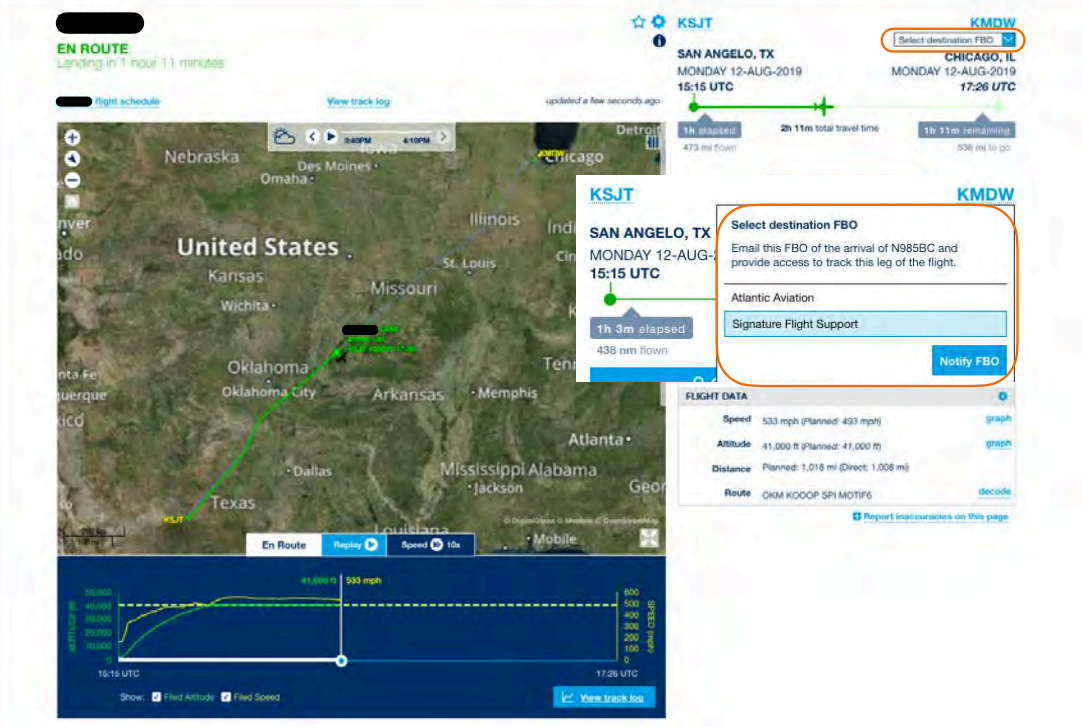
**Past Flights - 8 months of historical data, from current date, will be accessible*

Click on View "Route" to view flight page for that specific flight leg.

* [redacted] - *Masked Tail/Ident*

Scheduled FBO

This feature on the flight page, allows operators to select their destination FBO prior to departure or while en route. Selecting the Scheduled FBO is not available once it lands.



Select the Scheduled FBO by clicking the drop down and then click Notify FBO.

An automatic notification via email is sent to the FBO with ident, aircraft type and estimated time of arrival. A link will also be provided that allows the FBO to track that specific segment, if it's otherwise blocked.

* [redacted] - *Masked Tail/Ident*

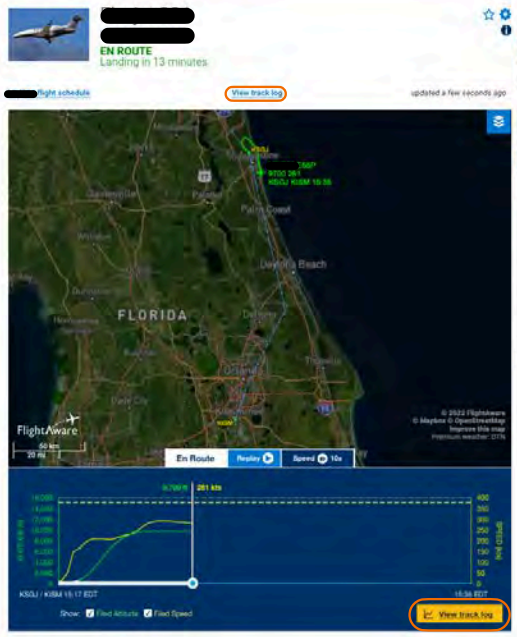
Track Log

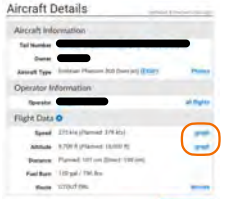
Provides a breakdown of time stamps with coordinates, autopilot setting, course, speed, altitude, rate and reporting facility.

*Times are reflected in the **Time Zone** selected within the Account Settings.*

A link to the Track Log can be found in multiple locations:

- Above & Below the map
- Right side of the map, within the Flight Data section you will see a link for **graph**

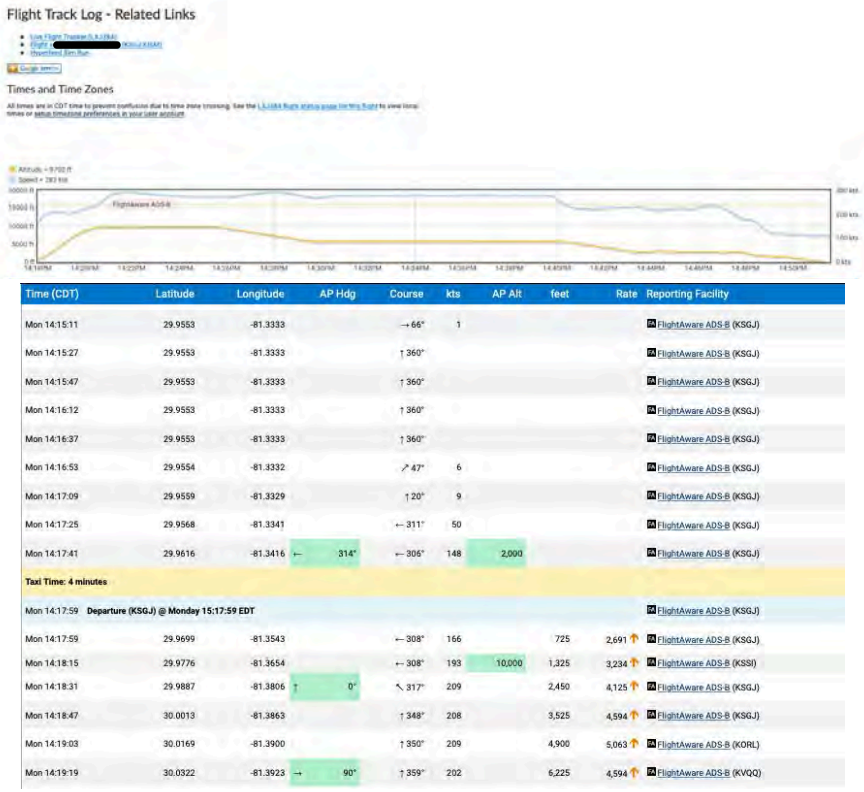




Track log may include ARINCDirect positions, Radar, MLAT and ADS-B positions.

The frequency of the data presented varies based on the source of the data and how the aircraft is equipped.

When in coverage, we can receive multiple ADS-B positions a minute.



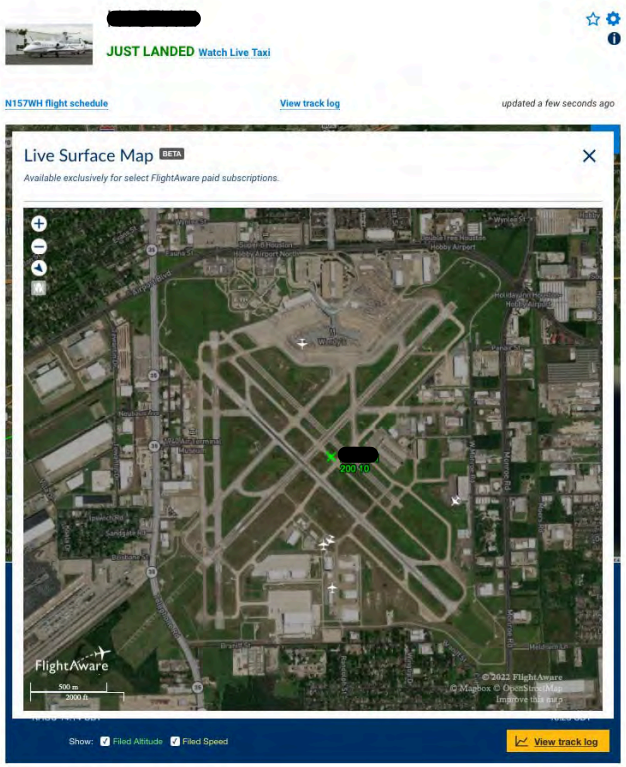
* [redacted] - *Masked Tail/Ident*

Aircraft Tracking

Live Surface Tracker (Beta)

A Live Surface Map showing the aircraft on the ground will appear on the aircraft's live flight tracking page as soon as FlightAware detects a surface position from the aircraft. This happens when the aircraft powers on before departure and when it lands at the destination.

**Surface coverage is only available for aircraft equipped with ADS-B.*

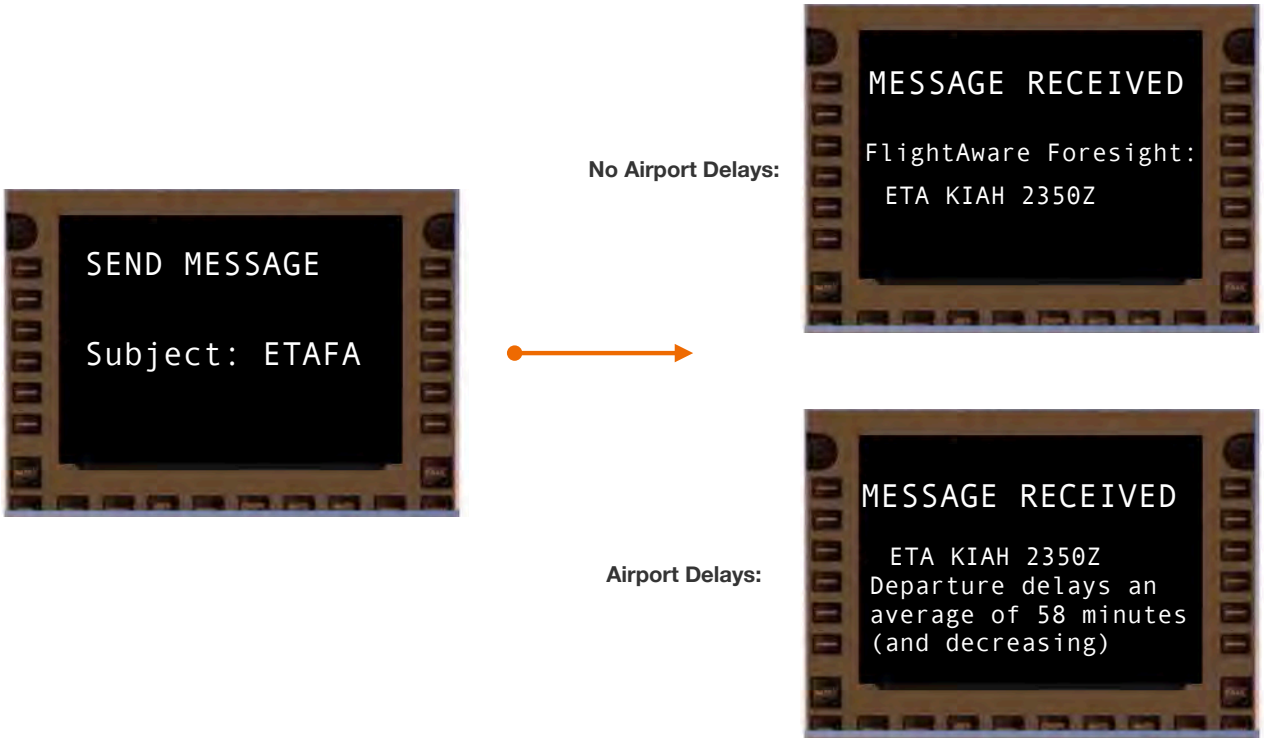


* [redacted] - *Masked Tail/Ident*

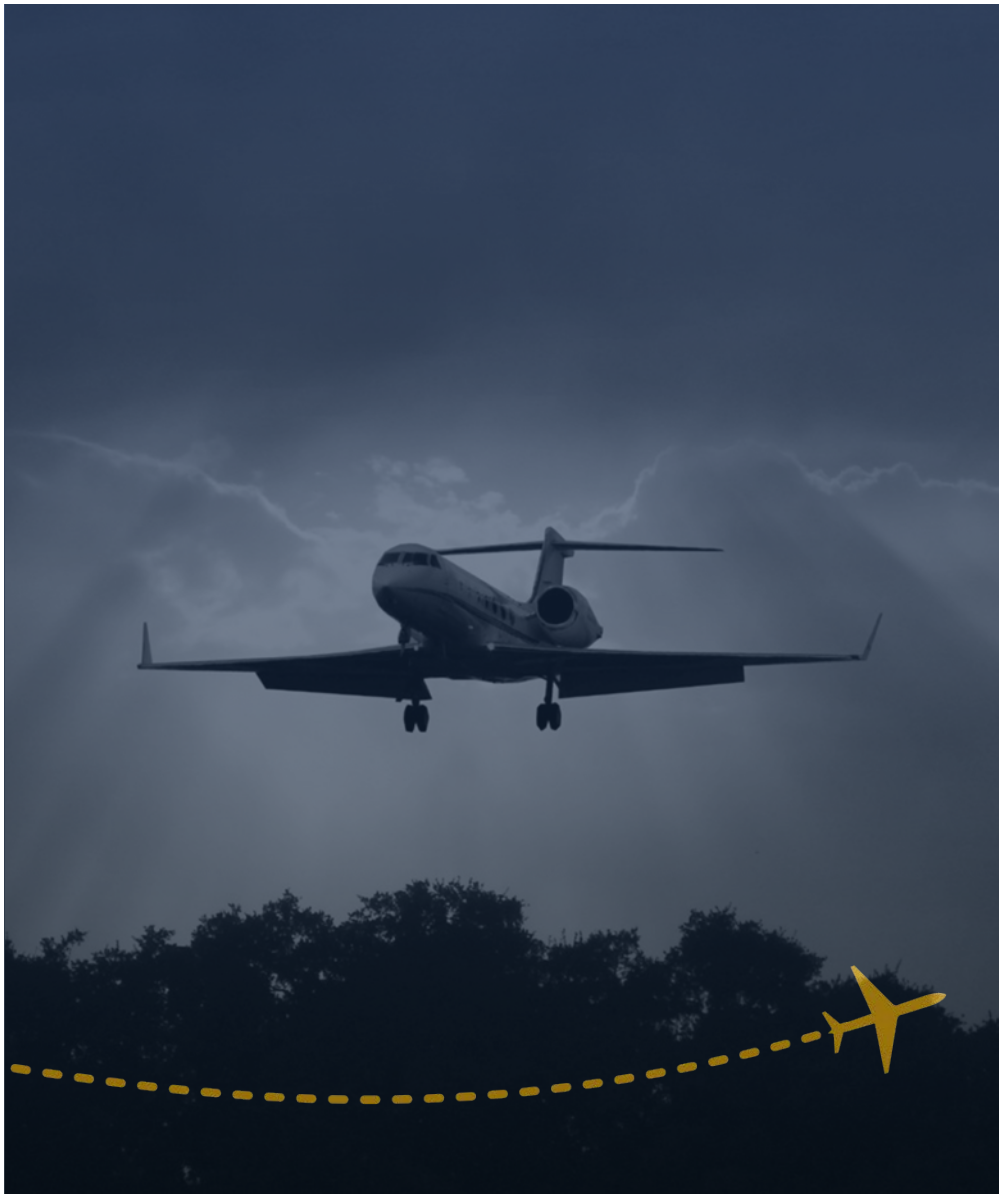
FlightAware Foresight™ Uplink

FlightAware Foresight™ Uplink allows the crew en route to make a request via FMS to retrieve an updated ETA.

The request alerts FlightAware to engage FlightAware Foresight™ technology to calculate the latest ETA and then it is sent back to the crew via ARINCDirect datalink.



Message Center



Message Center

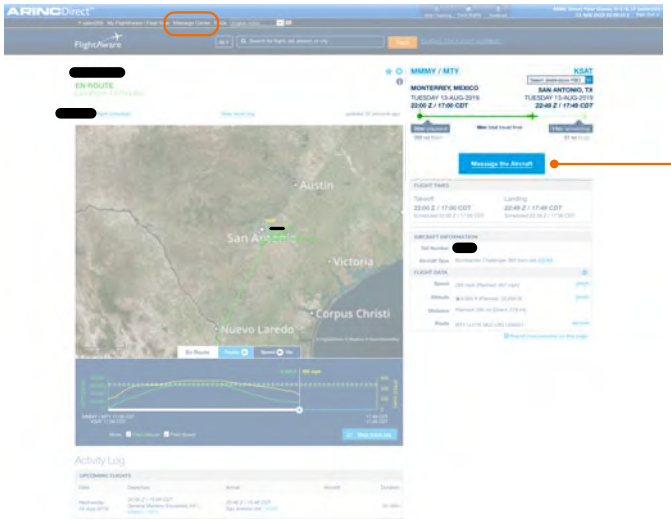
Messaging Aircraft

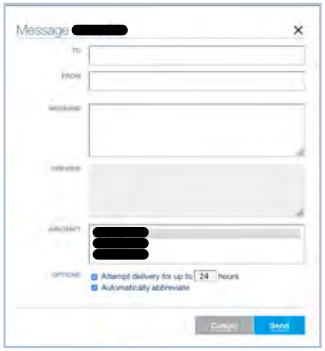
Allows operators to submit and send an ACARS message to their authorized aircraft through the flight page.

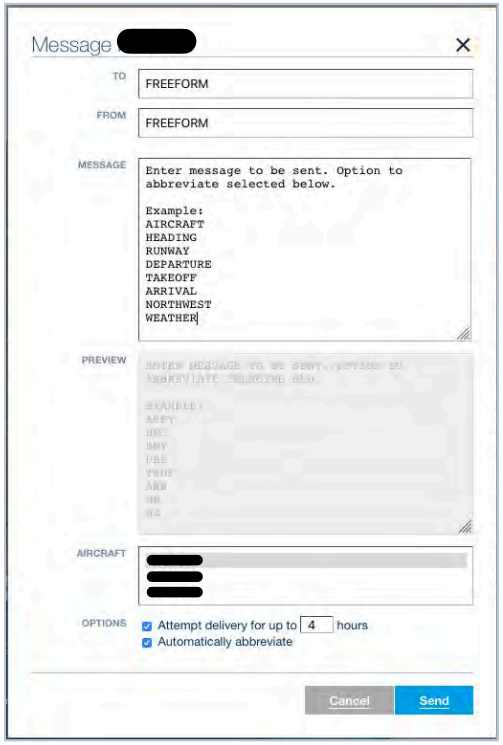
Click on **Message the Aircraft**, which is on the flight page below the flight information.

The **To** and **From** boxes accept free form text. The text entered within **Message**, is defaulted to abbreviate aviation terms.
*Deselect **Automatically abbreviate** if you wish to remove the default.*

Under **Options,** you can also enter a custom number of hours the system will attempt delivery.
Once the message is ready to be sent, click on **Send** to deliver the message to the aircraft. You can view sent and received messages in the **Message Center.**







* [redacted] - *Masked Tail/Ident*

Airport Pages

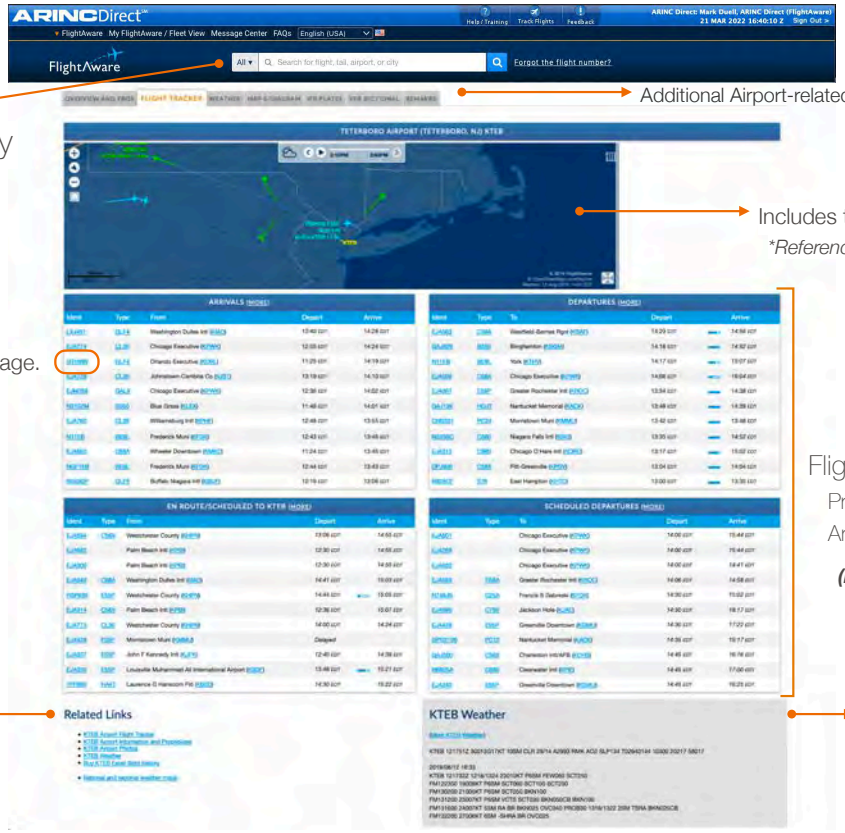


Airport Pages

Airport Flight Tracker

View airport activity on a single map through the Airport **Flight Tracker** page.

Access the airport tracking page by entering an airport code or airport city into the top center search bar.

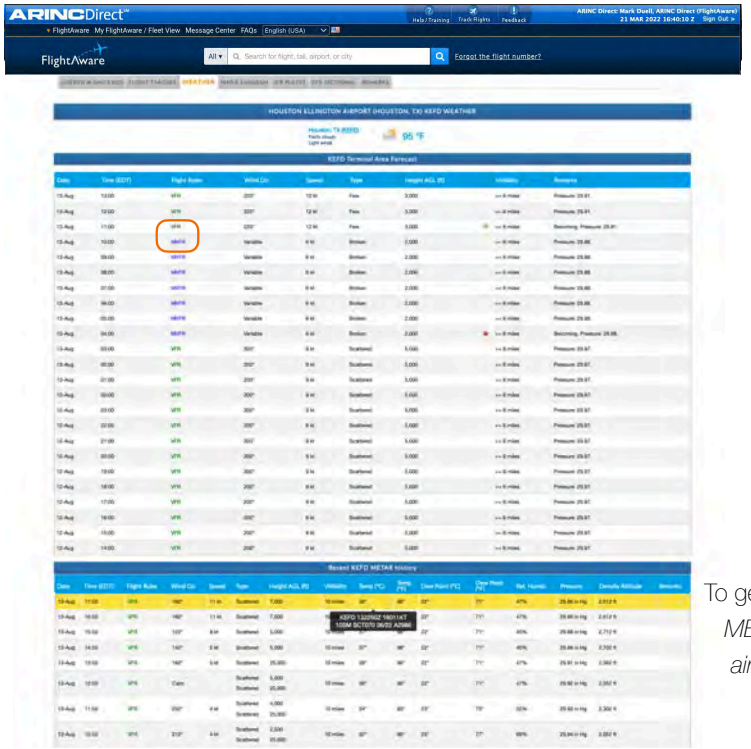


Airport Weather

View current and past airport weather information (METAR & TAF) in either translated or raw format through the **Weather** tab.

Click on the **Weather** tab from the Airport **Flight Tracker** page, which is above the map.

Flight rules are color coded for ease of viewing.



To get the raw data, hover over the individual TAF or METAR.

METAR/TAF information is generally included for equipped airports.

Aireon^{SM} Space-Based ADS-B

(Optional Add-on)



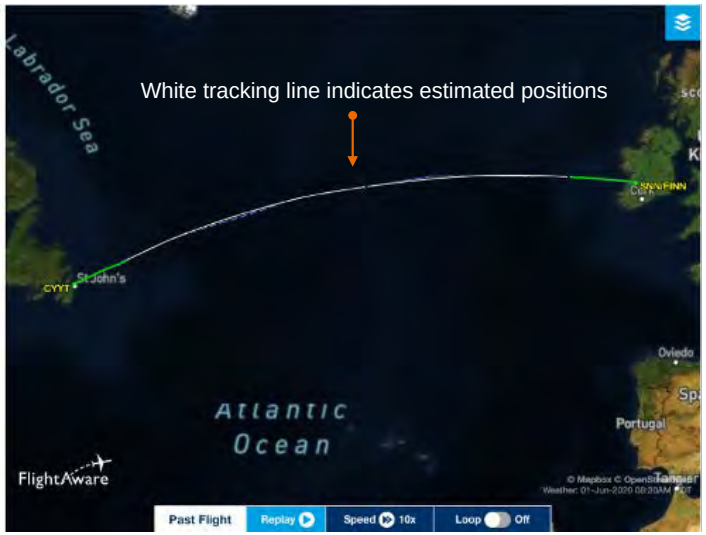
Aireon[SM] Space-Based ADSB

Global Coverage - *Optional Add-on*

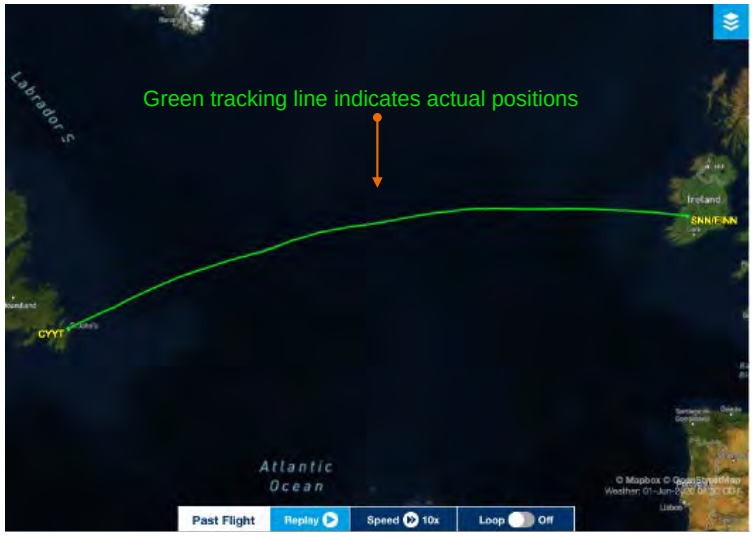
Aireon[SM] Space-Based ADS-B provides all aircraft, even those without satellite-uplink equipment, with high-frequency flight tracking. This options provides position updates anywhere in the world and eliminates coverage gaps over oceans, jungles, deserts and polar regions.

It is the first and only solution for 100% truly global flight tracking coverage that exceeds modern flight tracking standards and significantly improves situational awareness for aircraft owners and operators. This network is hosted on the new state-of-the-art Iridium NEXT satellite constellation, which consists of 66 low-earth orbit interconnected satellites.

Without Aireon[SM] Space-Based ADS-B



With Aireon[SM] Space-Based ADS-B

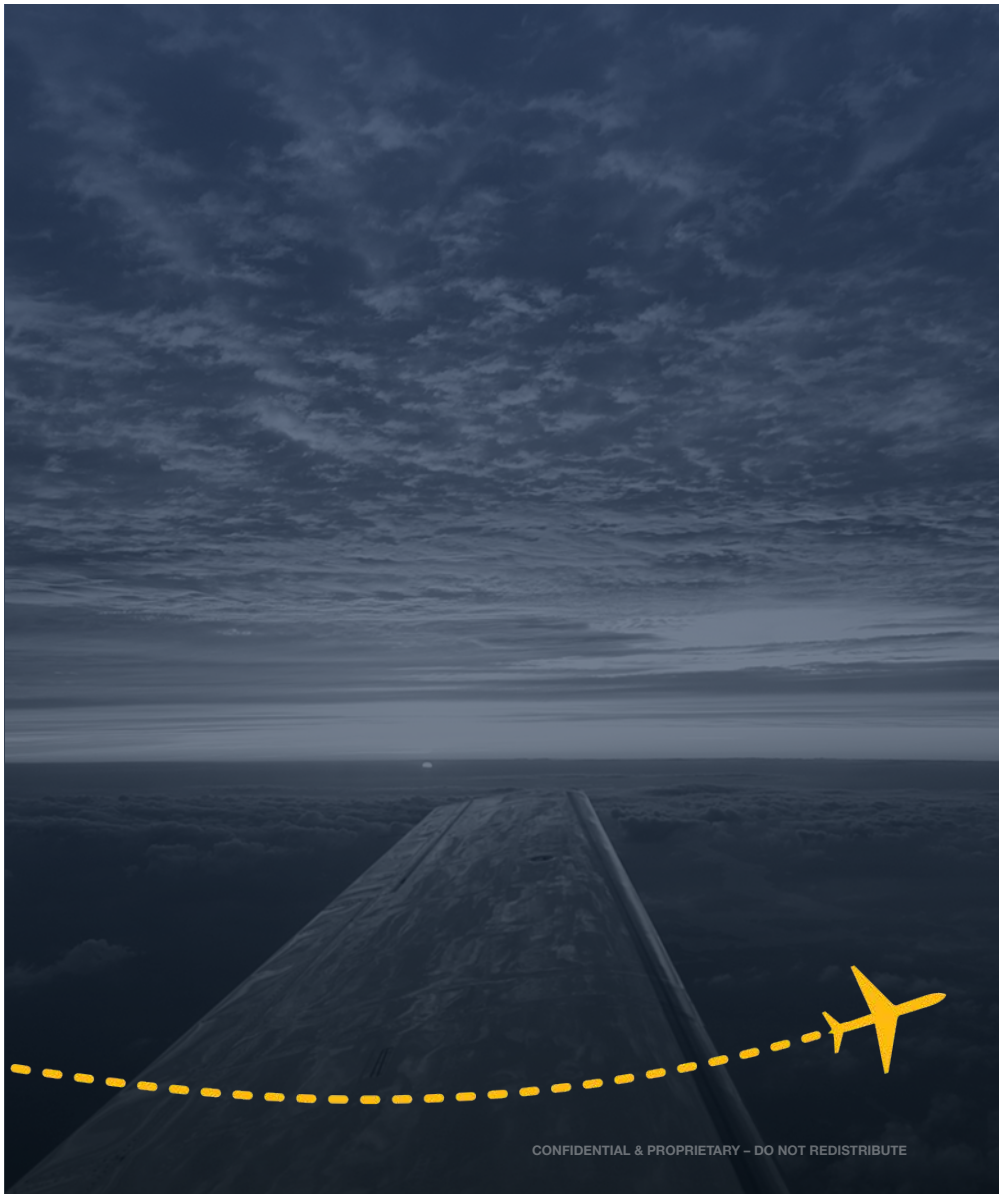


Contact ARINCDirect to activate Aireon[SM] Space-Based ADS-B.

Questions?
Need Support?

Contact ARINCDirect Support:

1-800-321-6060
1-410-266-2266
flightops@arinc.com



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