



FlightStats Value of Data

ICAO Business Class Symposium
ICAO Headquarters, Montréal
14 – 16 October, 2014



FlightStats corporate vision



A leading global provider of data services and solutions to the travel industry and traveling public by delivering reliable, relevant and resourceful airline, airport and traveler information.



Global reach





Global partnerships

Booking Application and Agent Desktops











Travel Agencies and Travel Management









Search Engines and Media











Mobile Applications and Navigation

















Airports









Raytheon











Airlines



















▲ DELTA

SAUDIA

america

الملكت في اللارونية في







Hotels and Digital Signage





















Dynamic Data Management





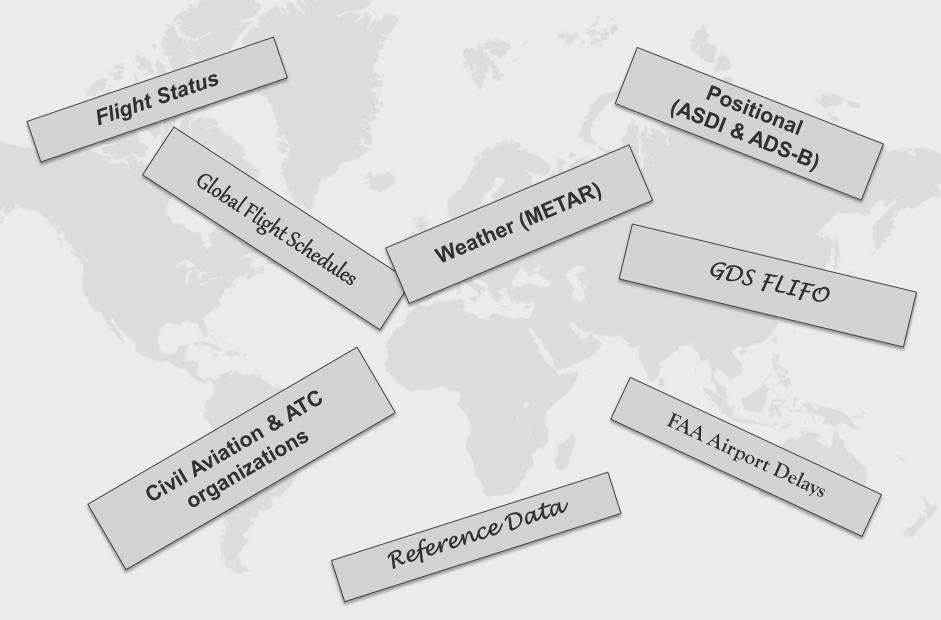
"It is a capital mistake to theorize before one has data. Insensibly one begins to twist facts to suit theories, instead of theories to suit facts."

-Sir Arthur Conan Doyle, Sherlock Holmes



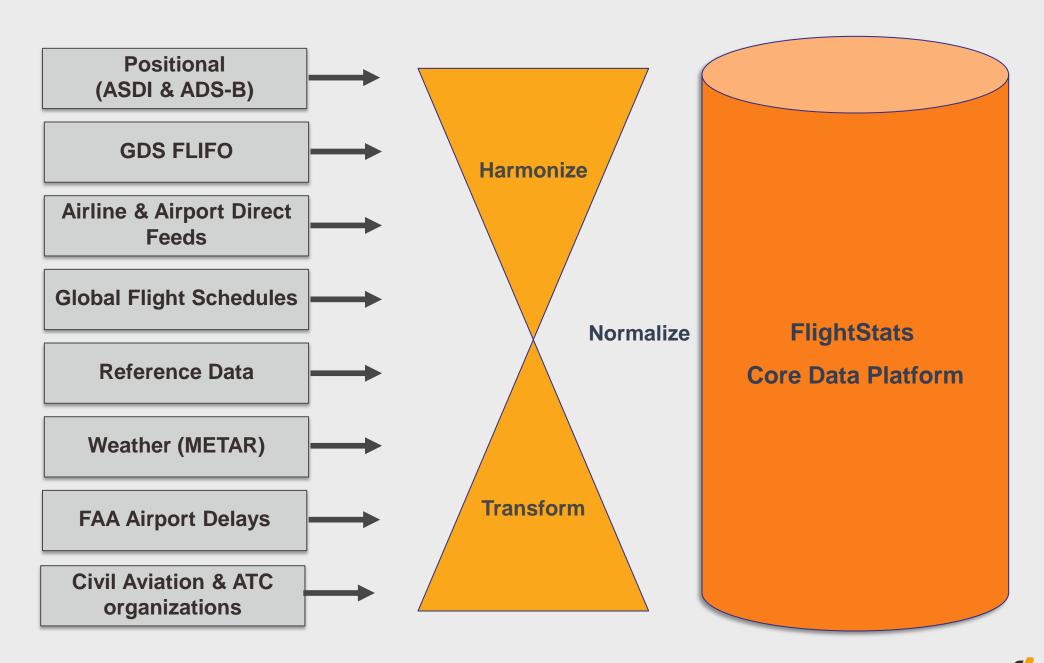
Acquisition of data

Aviation data is fragmented and not uniformed to one standard.



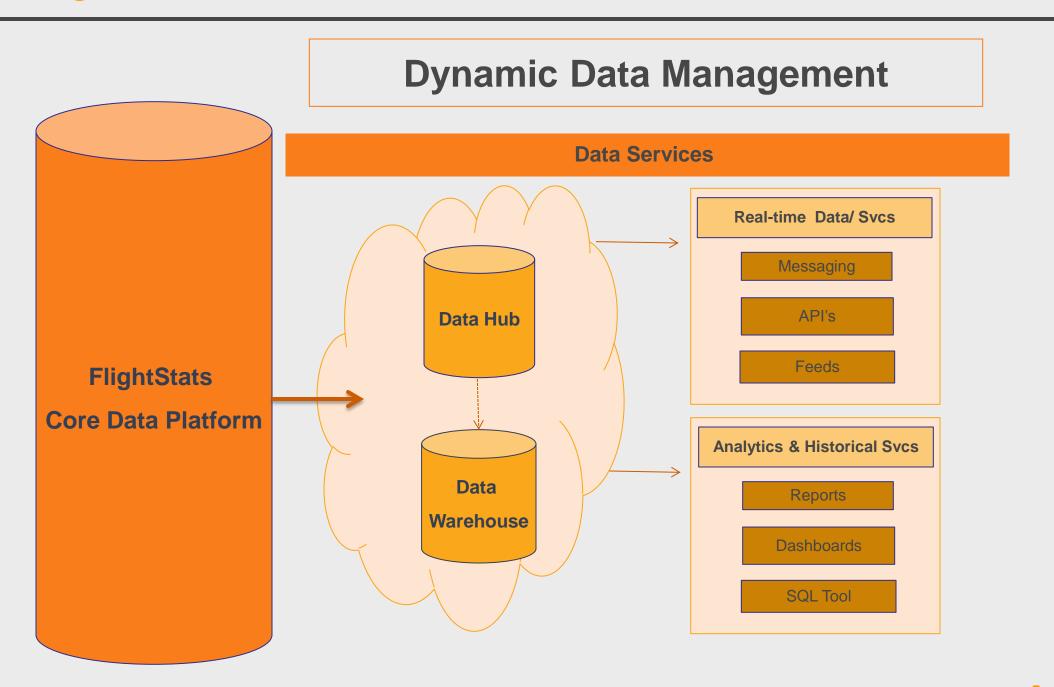


FlightStats Data collection sources





FlightStats Data Infrastructure









FlightStats Data Services

Data Service Use cases



Data services – Real time

Flight Status

Airline flight information compatible across all platforms:

- Mobile
- Web
- **Tablet**
- Operated and codeshare/alliance partner flight status
- Alerts with gates, terminal and baggage claim information
- Local Language API responses (Chinese, Japanese, German, French, Spanish and English)

F9 1315 Flight Events

This section shows the various changes that were made to the information about the flight including the time the source was changed as well as the data source that caused the change. The date and time information in the Data Updated section are in airport local time.

Event

Adjustment

Schedules RecordCreated

D-t-	UTC	Time DTW	
Date	UTC		_
Oct 7	23:18	7:18 PM	
Oct 9	07:10	3:10 AM	
Oct 9	23:00	7:00 PM	
Oct 10	11:00	7:00 AM	
Oct 10	11:15	7:15 AM	
Oct 10	12:40	8:40 AM	





(F9) Frontier Airlines 1315

Departure Gate Changed To D16

(DTW) Detroit, MI, US to (IAD) Washington, DC, US

En-Route - Delayed 15 minutes

Last change to status 11 minutes ago

DEPARTURE

IAD

7:18 PM

Source

F9 1315 Flight Status

Scheduled Departure: 8:10 AM - Fri Oct-10-2014

Actual Departure:

8:32 AM - Fri Oct-10-2014

Arrival Gate:

ARRIVAL

Scheduled Arrival:

9:30 AM - Fri Oct-10-2014

Data Updated

Estimated Gate Departure Changed To 10/10/14 08:10 AM

Estimated Gate Arrival Changed To 10/10/14 09:30 AM

Estimated Gate Arrival:

9:45 AM - Fri Oct-10-2014

Baggage Claim:

N/A

Departure delay calculation based on comparing actual gate time with scheduled gate time.

Arrival Flight Notes:

· Arrival delay calculation based on comparing estimated gate time with scheduled gate time.





Data services – Flight tracking

Flight Tracking – Flight, Fleet and Airport

Arrival hall

Departure hall

Airport lounges

Air China Limited 910 Flight Tracker

MAP VIEW WEATHER OVERLAYS

Suomi

Eesti Latvija Lietuva

Україна

շայաստան

Türkmenistan

Moldova

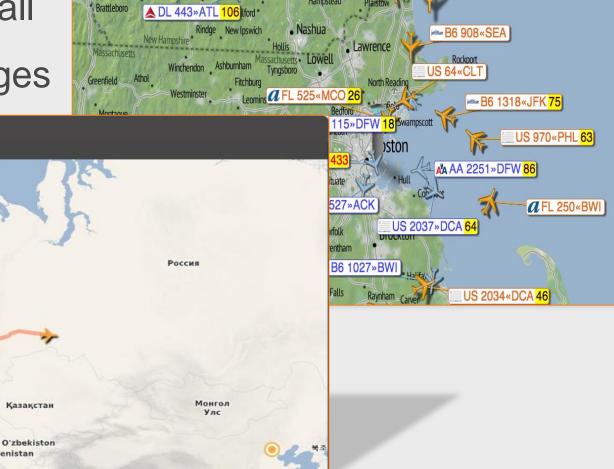
Polska

Србија Italia Македонија

rg Česko

terreich

Slovenija



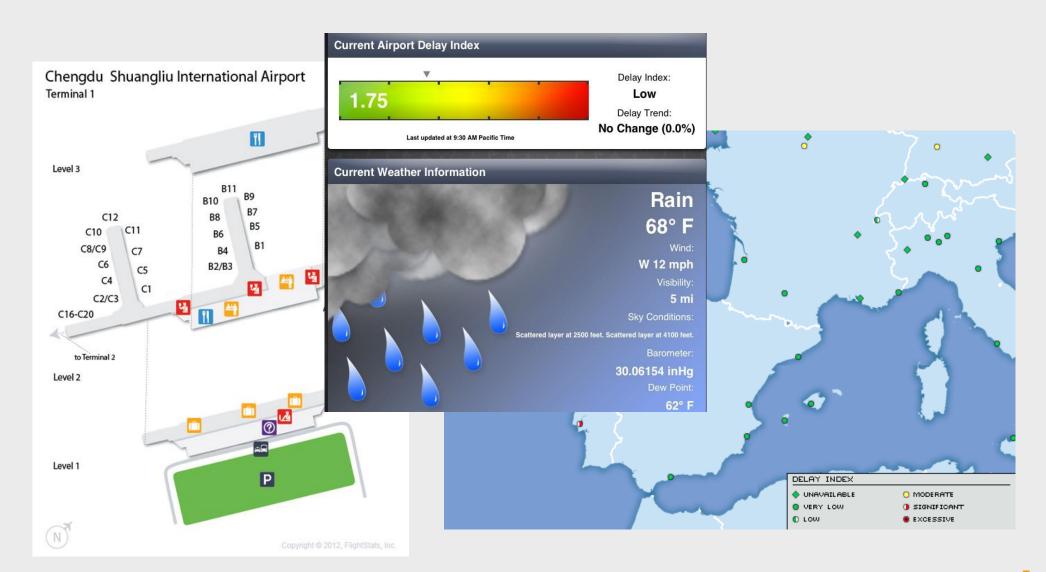
N 9K 1004«AUG labro

YX 3412«PIT 136

Manchester *

Data services – Reference information

Airport location data, maps, delays, and weather

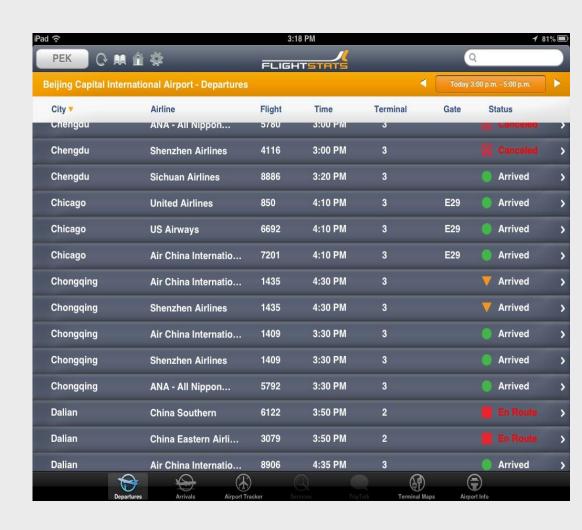




Data services - Signage

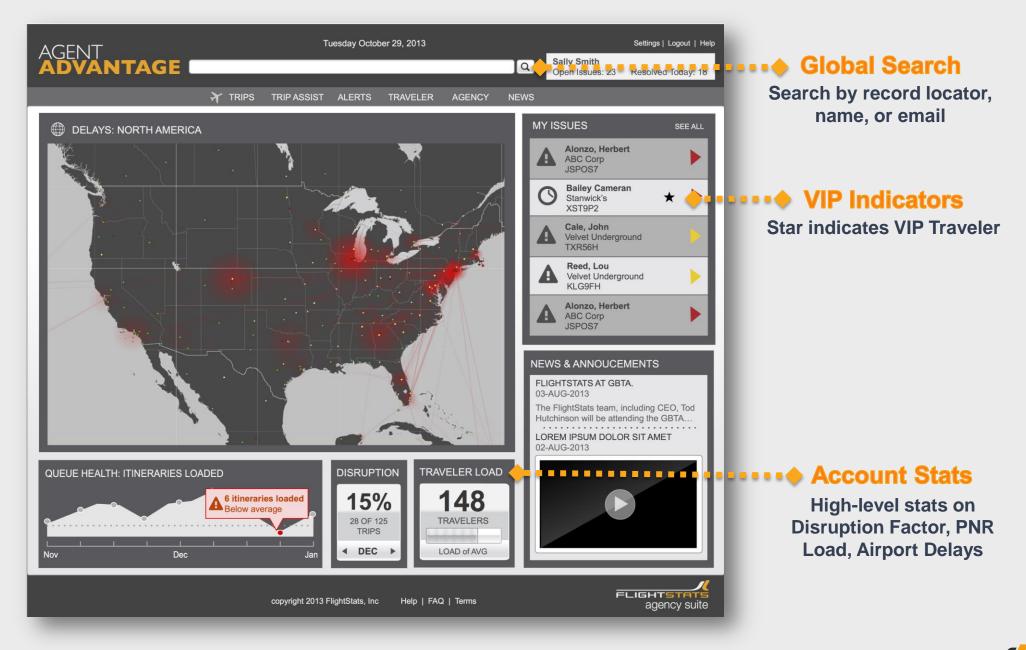
Flight Information Displays (FIDS)

- Highly Configurable API
- Show/hide codeshares
- Local language support
- Show/hide airlines
- Specify fields, order
- Airline Logos





FlightStats TDM (Trip Disruption Management)







FlightStats Data Services

Analytic Use Cases

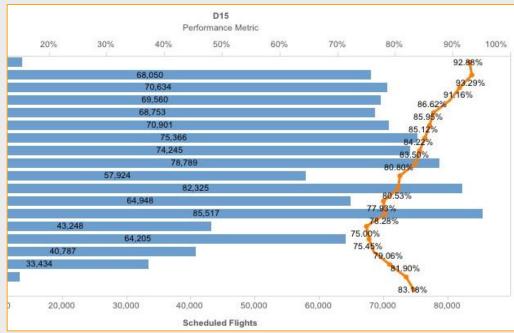


Network performance by time of day - airlines

Low Cost – Point to Point Network



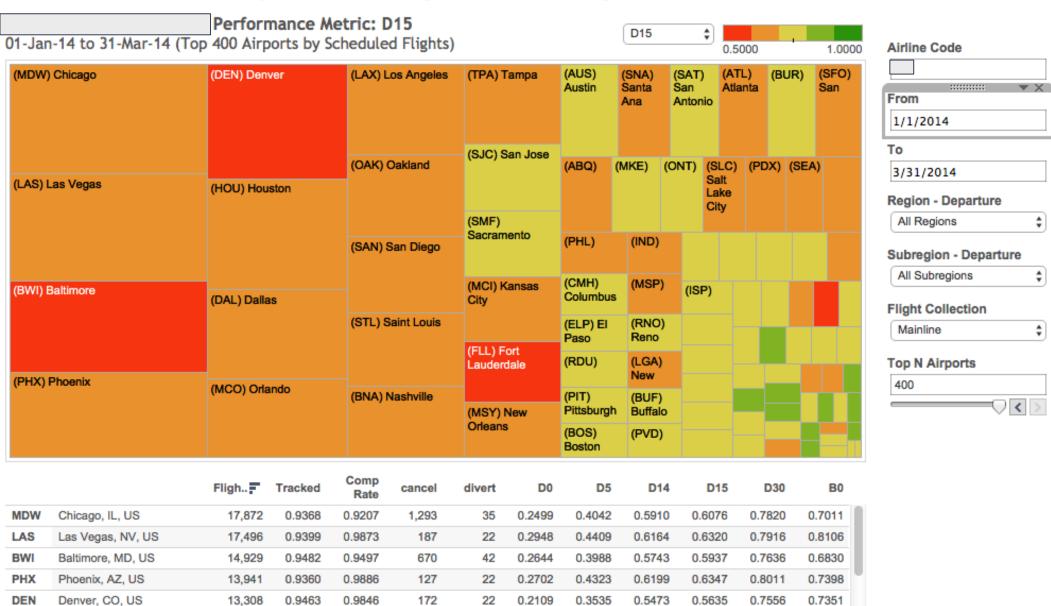
Major – Hub and Spoke Network





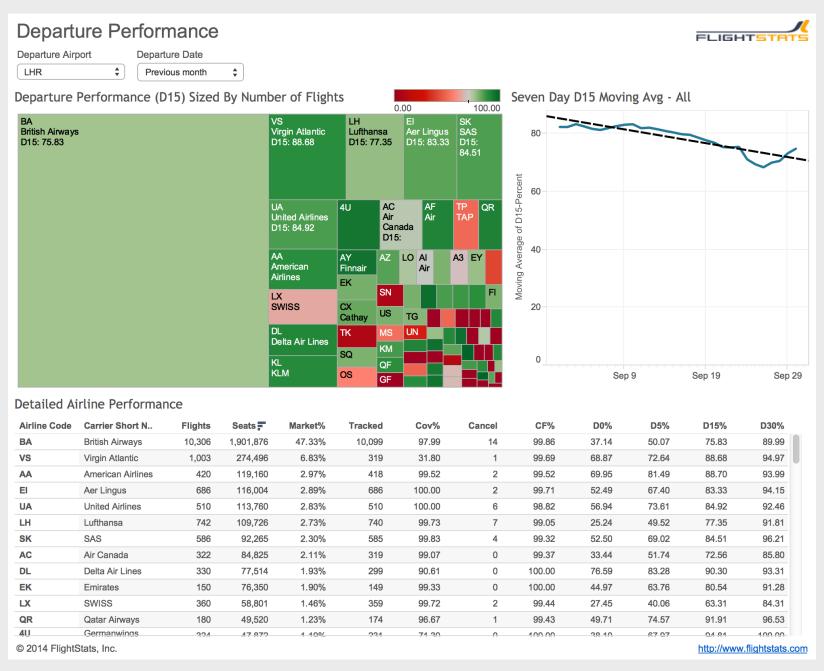
Airline departure performance by airport

Departure Performance by Airport - All Regions, Mainline Flights



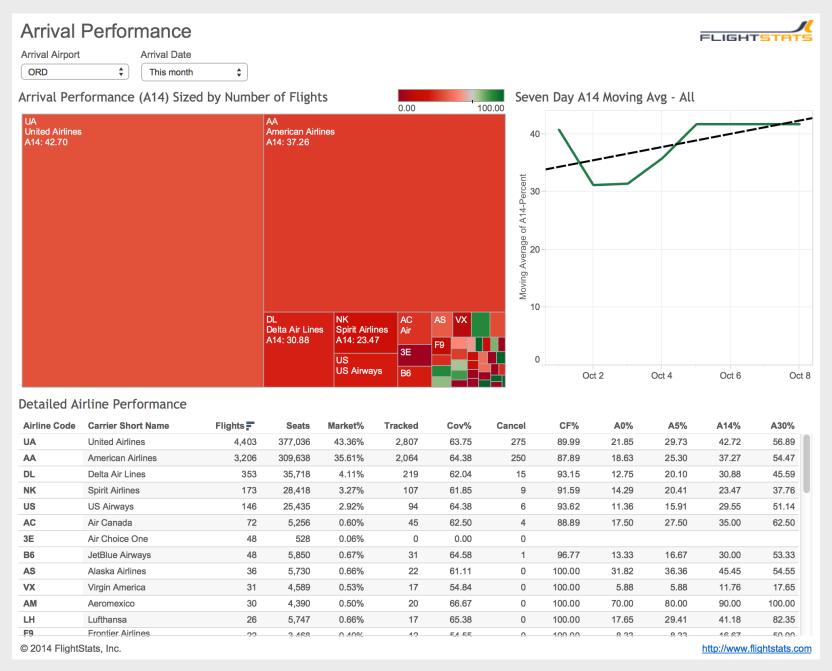


Departure Performance Multiple Airlines by airport



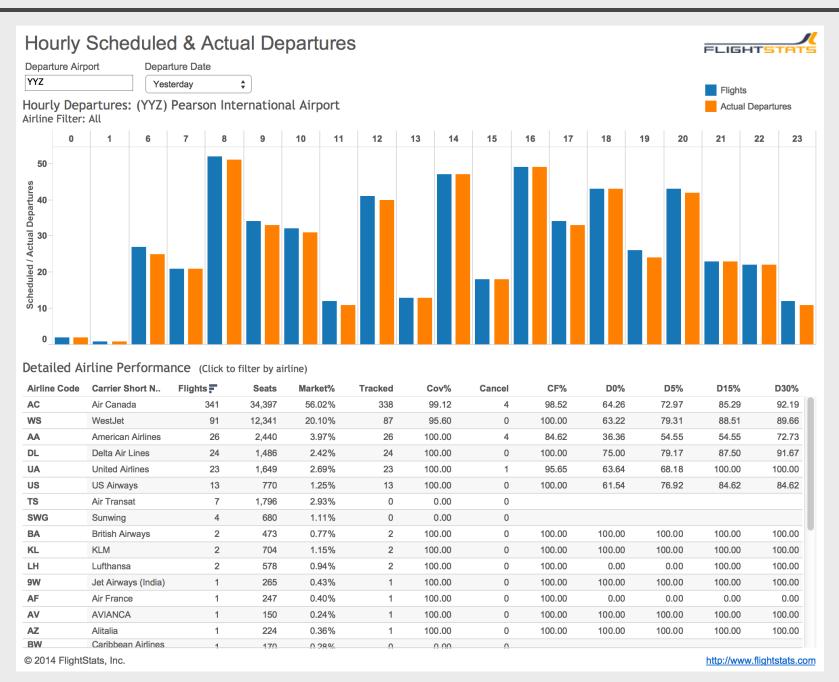


Arrival Performance



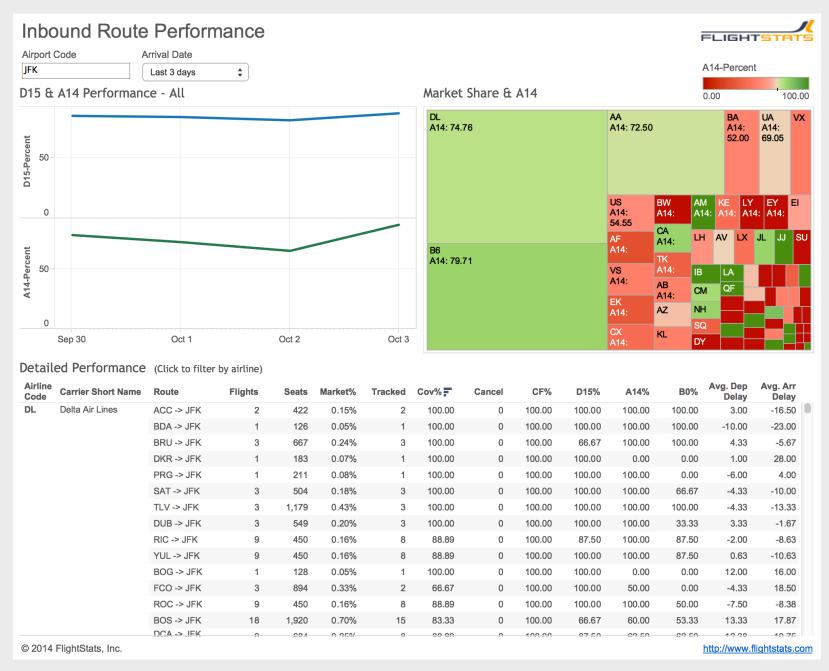


Departures



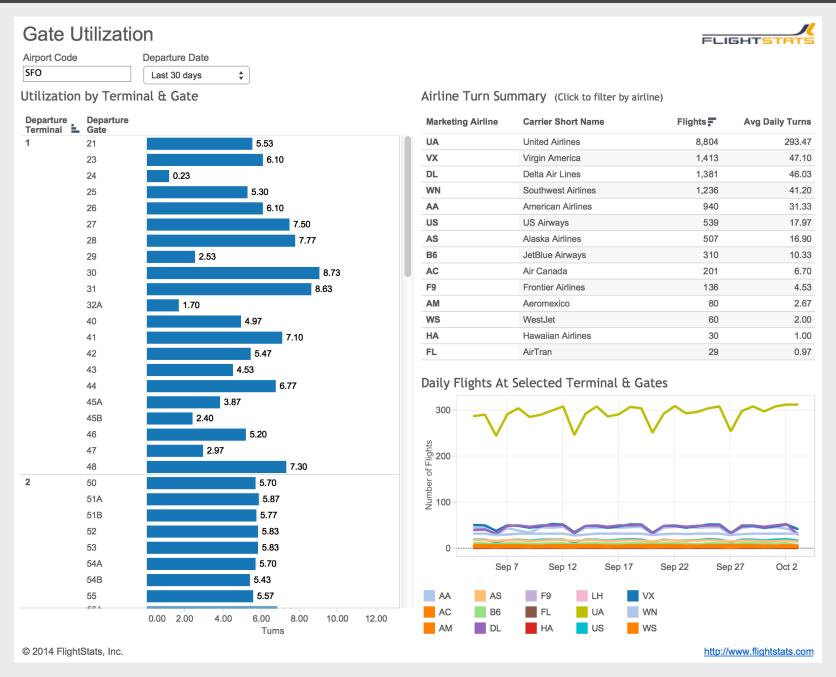


Inbound Route performance





Gate utilization





Questions & Discussion





Vice President

FlightStats, Inc. jhetzel@flightstats.com

