



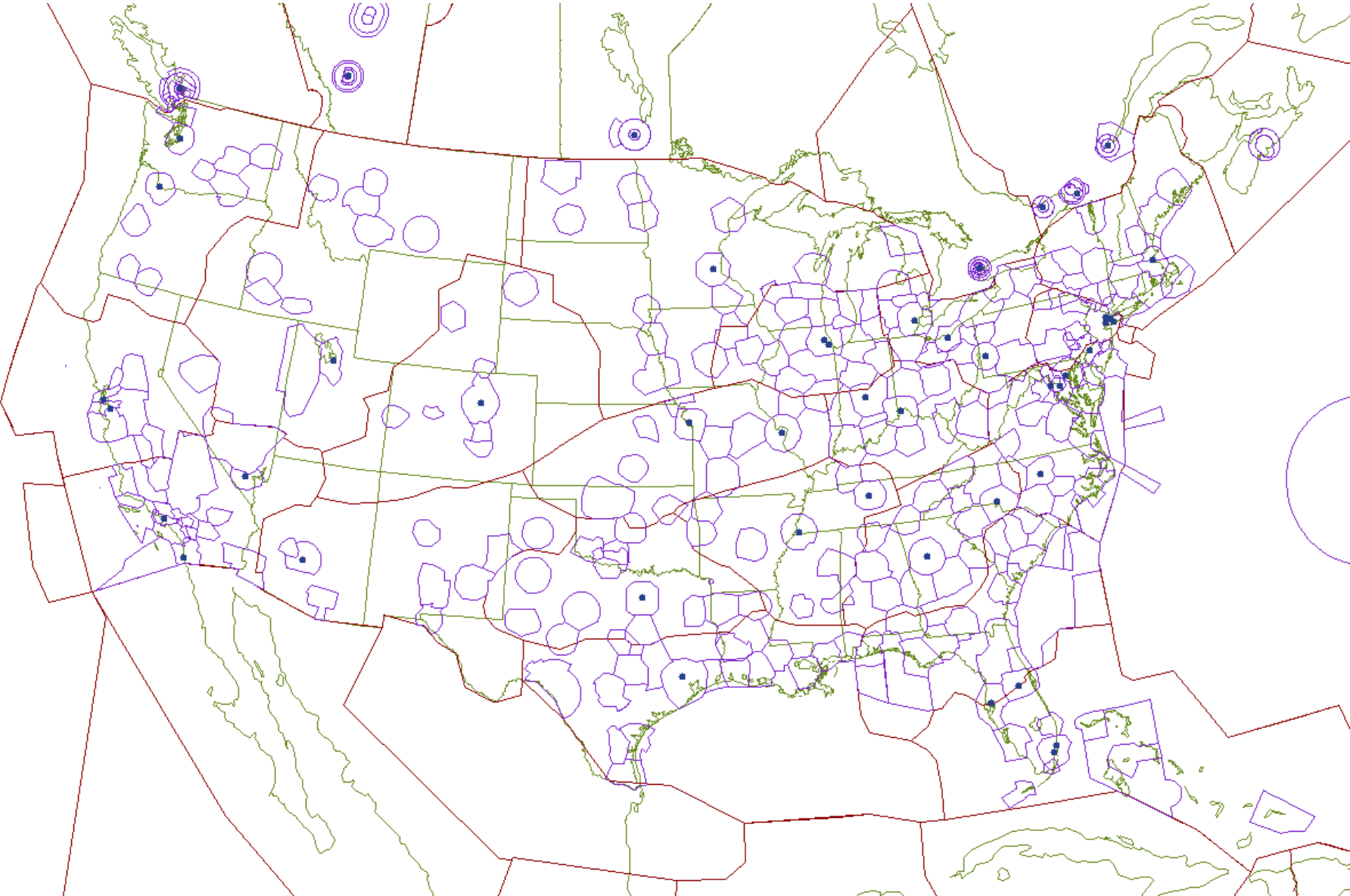
Advancing Air Traffic Flow Management in the United States

Steve McMahon

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February 12, 2015

The U.S. National Airspace System



Enhancing Air Traffic Flow Management in the United States

1

Capacity Utilization

- + Optimize use of Available Capacity
- + Incorporating NextGen Technologies

2

Collaboration

- + Inclusive Partnership
- + Acting Proactively

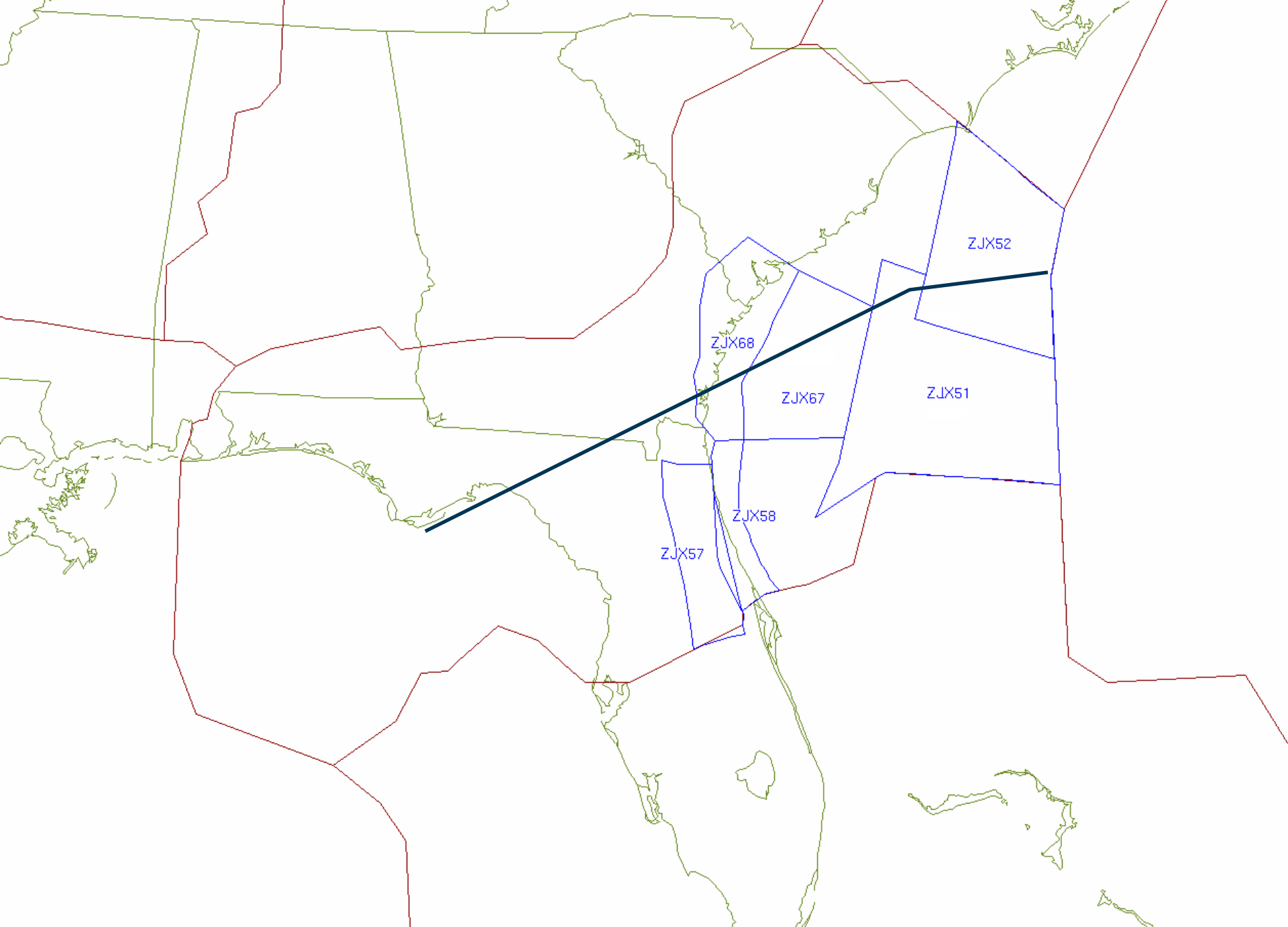
Capacity Utilization

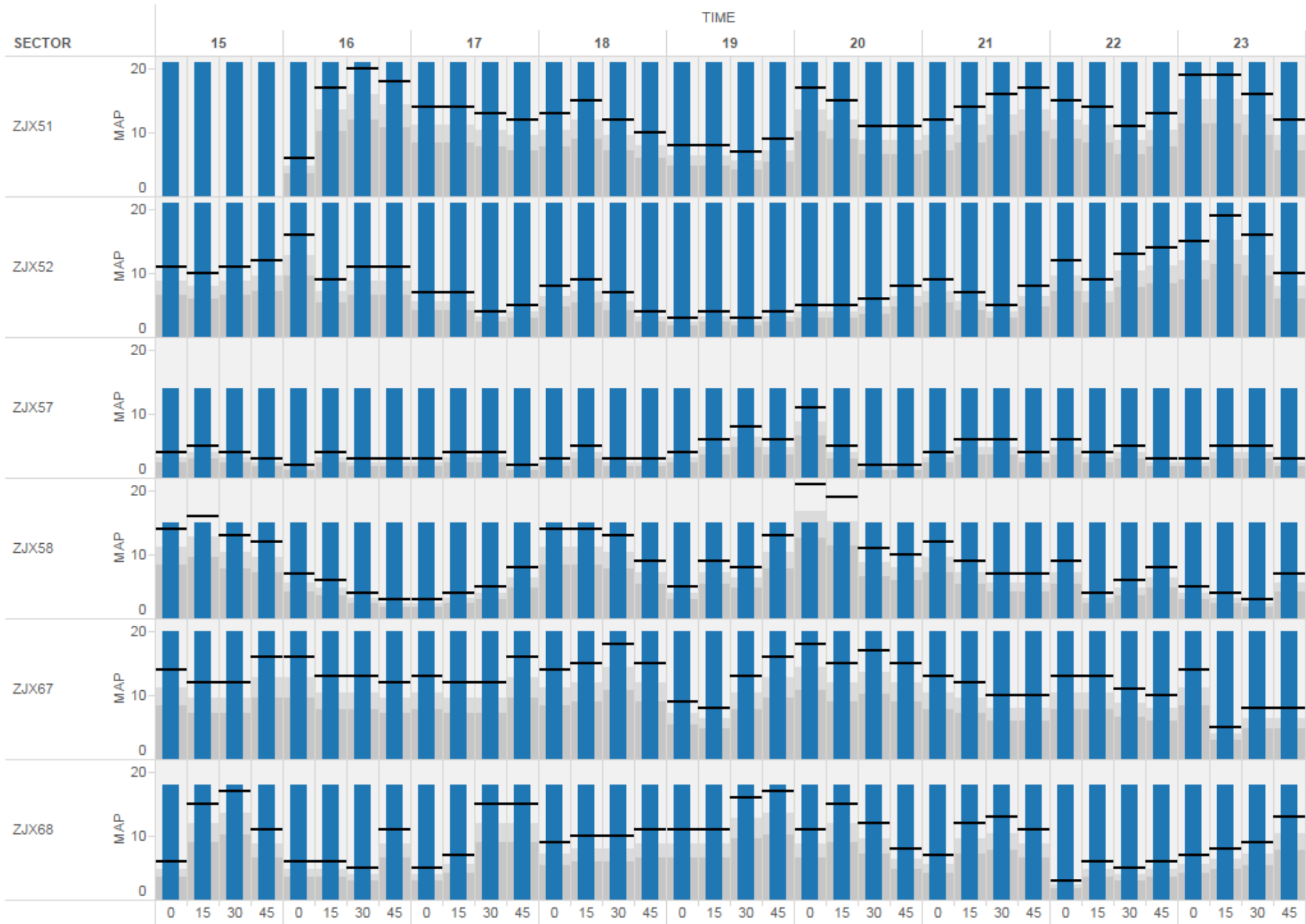
Balance capacity and air traffic demand within the airspace and airport environments

Optimize the use of available capacity without compromising safety

Reduce Congestion— Airport and Airspace
Enhance Safety

What is airspace capacity?





Capacity Utilization

Incorporate NextGen
Technologies

Wake Turbulence Separation Recategorization (RECAT)

Based on aircraft weight, approach speeds, wing characteristics and other performance characteristics

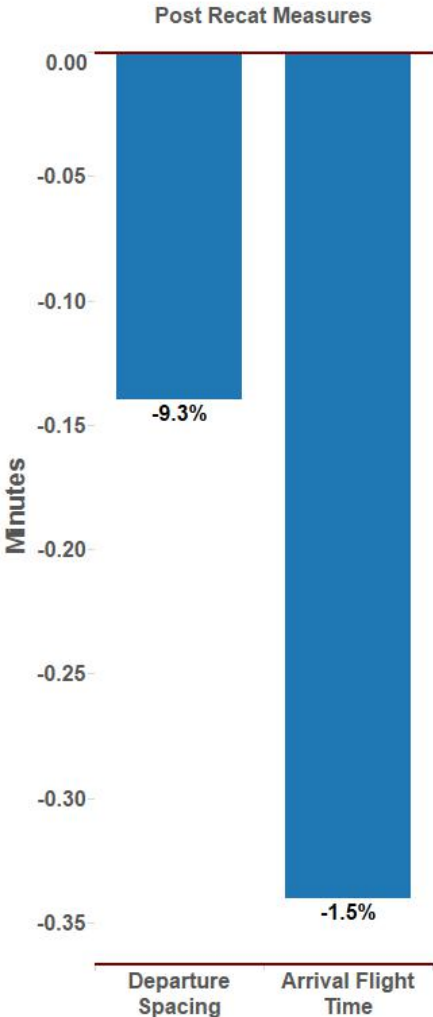
Has RECAT changed the
operational environment?

The Hartsfield–Jackson Atlanta International Airport (ATL)
AAR and ADR have increased ~4% as a result of RECAT
implementation on June 1, 2014

Approximately 350 B757 & B767 operations per day

Capacity Utilization

RECAT Changes at ATL during peak demand periods



Collaboration

Inclusive Partnership

Acting Proactively

Collaboration

What is Collaboration?

Proactive partnership among stakeholders to maximize system efficiency and effectiveness

Collaboration applies to all phases of ATFM and all aspects of the network

Information Sharing

Leverage the knowledge and experiences of all stakeholders

Create a common view of the ATFM system from which to base decisions

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Collaboration

Proactive collaboration to achieve optimum results

Reduce fuel consumption by optimizing the flight profile and cost index

Cruise speed

Flight level

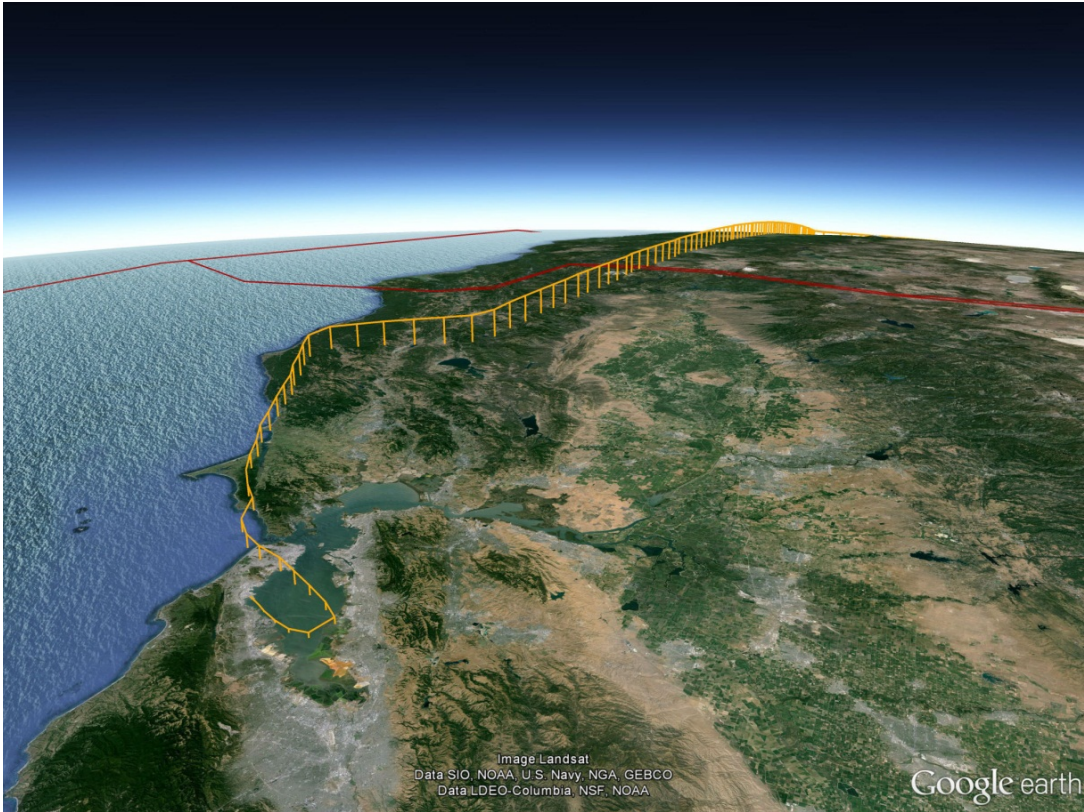
Time



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Collaboration

Continuous descent profile
from 410 to 110.



Improving the Network

Capacity Utilization

What resources are available and do we optimize their use?

Collaboration

Are our collaborative activities inclusive enough to generate revolutionary improvements?



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