

# **Motivation for Session**

MIT Lincoln Laboratory

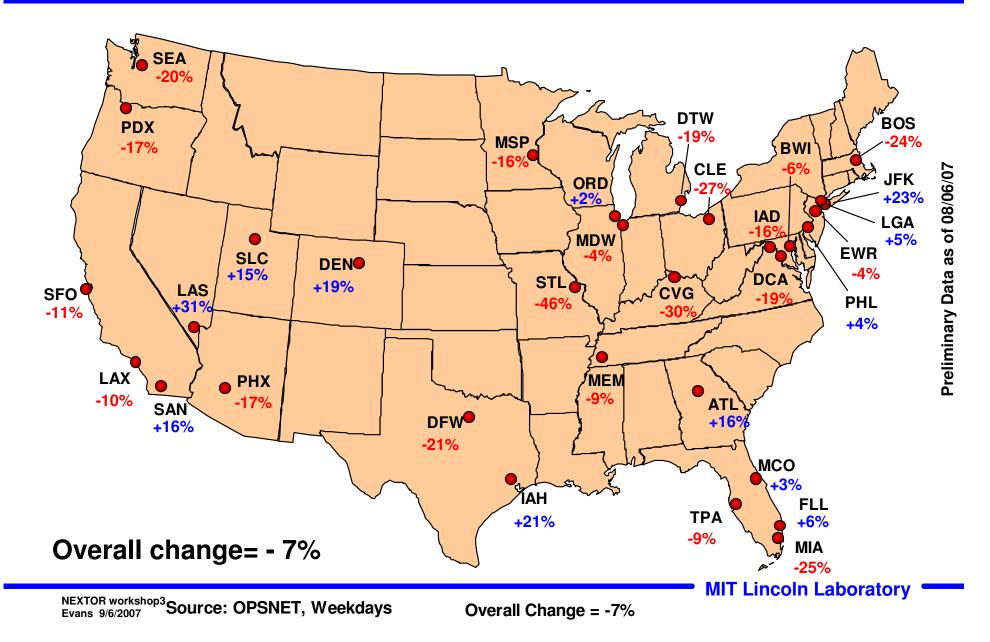
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- Traffic for 2005, 2006 and 2007 is less than traffic in 2000
- "Capacity" has increased significantly since 2007
- So why are delays for 2005 through 2007 as bad or worse than 2000?

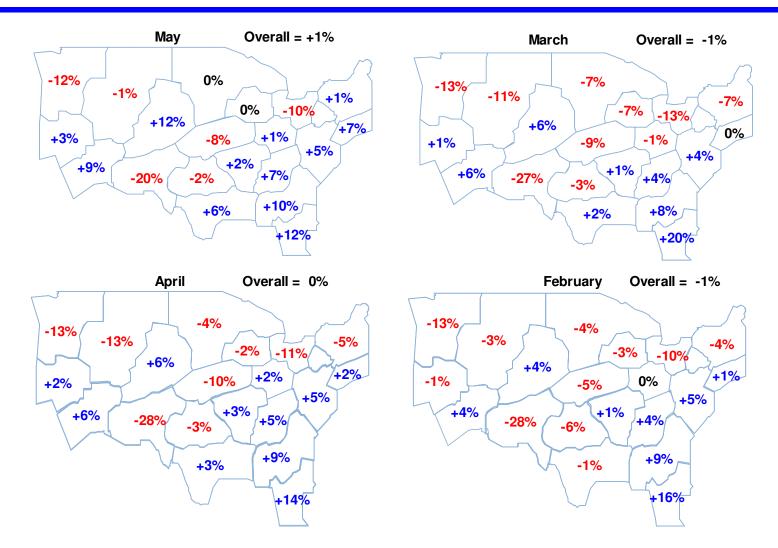


### Change in Operations by Major Airport July 2007 vs. July 2000





#### **ARTCC** operations in 2007 relative to 2000

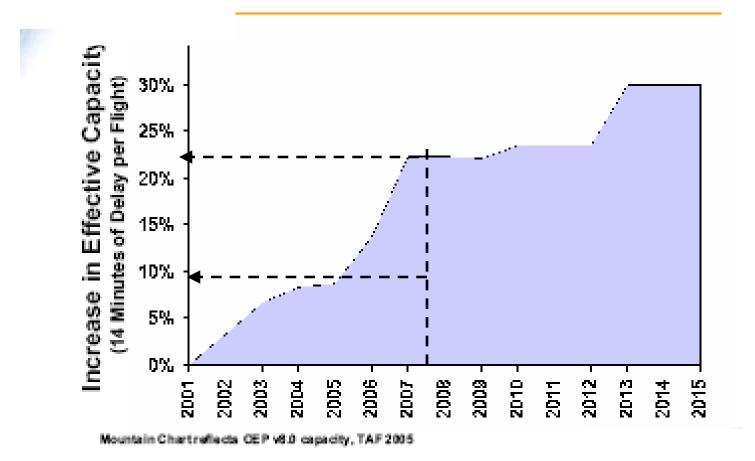


OPSNET; Weekdays; Difference based on average weekday ops; Overall percent change includes ZAN difference in operations



# **OEP Estimate of Capacity Enhancement**

The Mountain Chart Increase in Effective Capacity by 2013

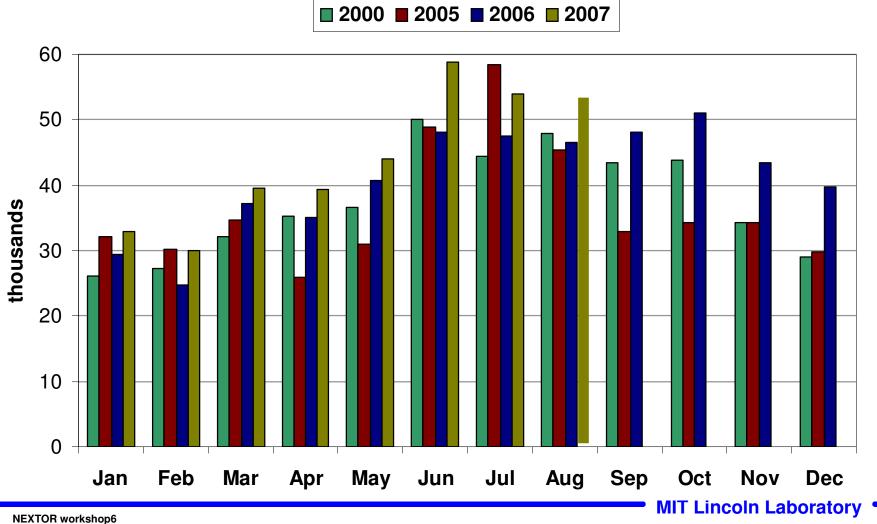


OEP presentations suggest a 13-23% capacity enhancement has occurred since 2001 MIT Lincoln Laboratory

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### **OPSNET Delays**



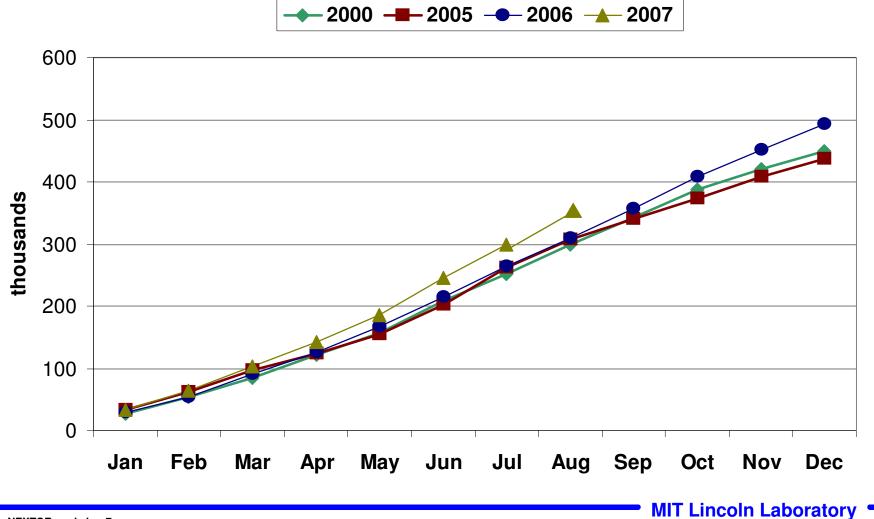
Preliminary Data as of 9/03/07

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**All Facilities** 



## **Cumulative OPSNET Delays**



Preliminary Data as of 09/03/07

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- What is likely to be the principal cause(s) of the persistence (and perhaps, growth) in NAS delays given the investments the FAA has made since 2000?
- How one might decide between alternative theories as to the cause?
- What the implications of the principal causes of the delays are for:
  - The metrics that the FAA uses to assess how well it is doing
  - How the FAA should allocate its resources to reducing the delays