33L Departures

Four Factors
1. Logan Volume post 2008 recession
2. 33L Use post 14/32 (Nov. 2006)
3. Operations by Hour
4. 33L RNAV SID (June 2013)

V3 revised 5/24/19: Corrected to add 22R departures to slides 3,4,5

Disclaimer: all analysis done by volunteers on best efforts basis using referenced data sources
Growth has resumed

BOS Total Operations

27% Increase from low

Logan Departures 2002-2018

Logan Airport Yearly Departures Percent by Runway

2002-2008 value is percent of all departures; 2009-2018 is percent of jet departures

Base graph & analysis courtesy of Kent Johnson

Logan Departures 2002-2018

Logan Airport Yearly Departures Percent by Runway
2002-2008 value is percent of all departures; 2009-2018 is percent of jet departures

% of total departures

Year


Base graph & analysis courtesy of Kent Johnson

4R closed in Summer of 2017
33L closed in summers of 2011 & 2012
14/32 Opened

33L RNAV SID

Runway
4R 9 15R 22L 22R 27 33L

Data: Massport


BWFS May 23, 2019 Meeting
Ops by Hour – 2010, 2014, 2018

Logan Ops- 7pm to 7 am

Percent Change from 2010 to 2018

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Ops by Hour – 2010, 2014, 2018

Logan Ops by Hour


BWFS May 23, 2019 Meeting
33L RNAV SID (June 2013)

Runway 33L Departures: 2010-2015

We all know what happened here

2010

2015

Dispersion concepts (Block 2)

- No "magic wand" solution
- Each concept has some issues/limitations
- Volume and time of use increases complicates matters
- Any option that lessens impact for one neighborhood – increases impact for a different neighborhood. Burden shifting.
- For some to get less others will get more. Who decides what is fair?
- Challenge will be to gain consensus on one or more preferred options

Summary

• Overall Volume at Logan has increased more than 25% since 2009 low
• 33L use rose from 6% pre 14/32 (2006) to 16-18% now
• Huge increases in three time slots
  • 8 pm – Midnight = +41%
  • Midnight to 2 am = +184%
  • 4 am – 6 am = +148%
  • Only 2 hours of respite 2 am – 4 am
• Logan is now an International Hub and a near 24 hr./day operation.
• 33L Municipal Working Group (Officials, Reps & Legislators) to meet and review and get clarification on dispersion options.