

## TEST OF SUMMER WEEKEND RUNWAY ALTERNATION — PRELIMINARY RESULTS

20<sup>TH</sup> SEPTEMBER 2018 — CENAC MEETING

NICK BOUD







# CONTENT

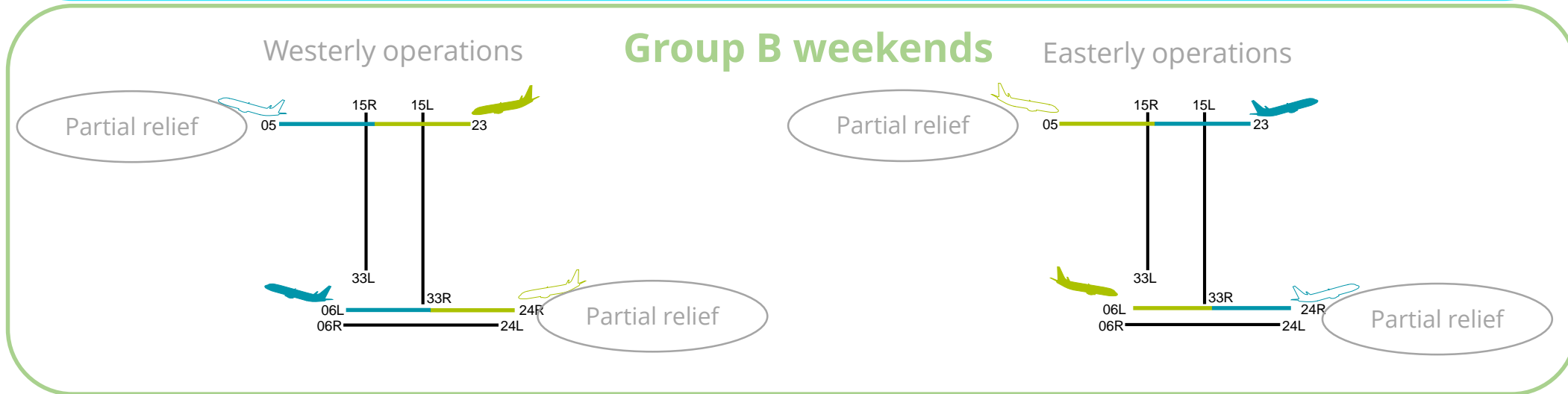
- Concept
- What we have heard
- Operational performance
- Next Steps



# CONCEPT

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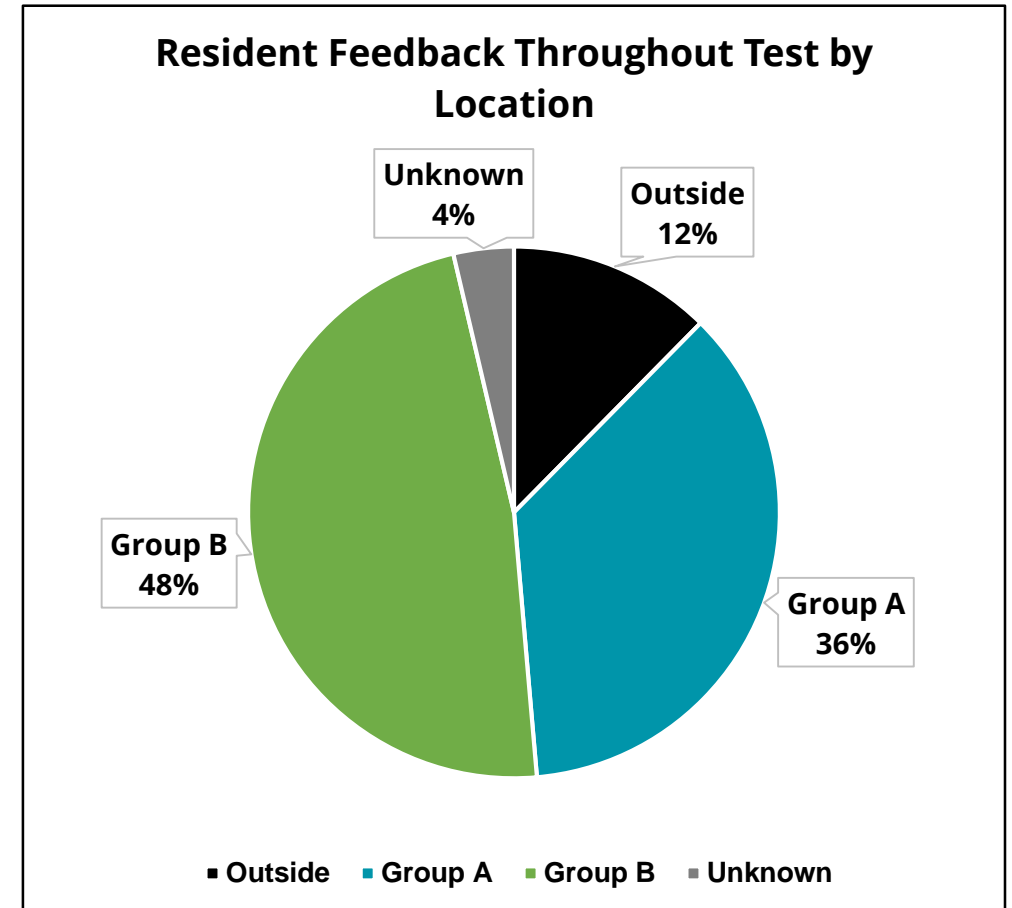
-  Primary departure direction
-  Primary arrival direction
-  Overflow for departure demand
-  Overflow for arrival demand



# WHAT WE HAVE HEARD FROM YOU

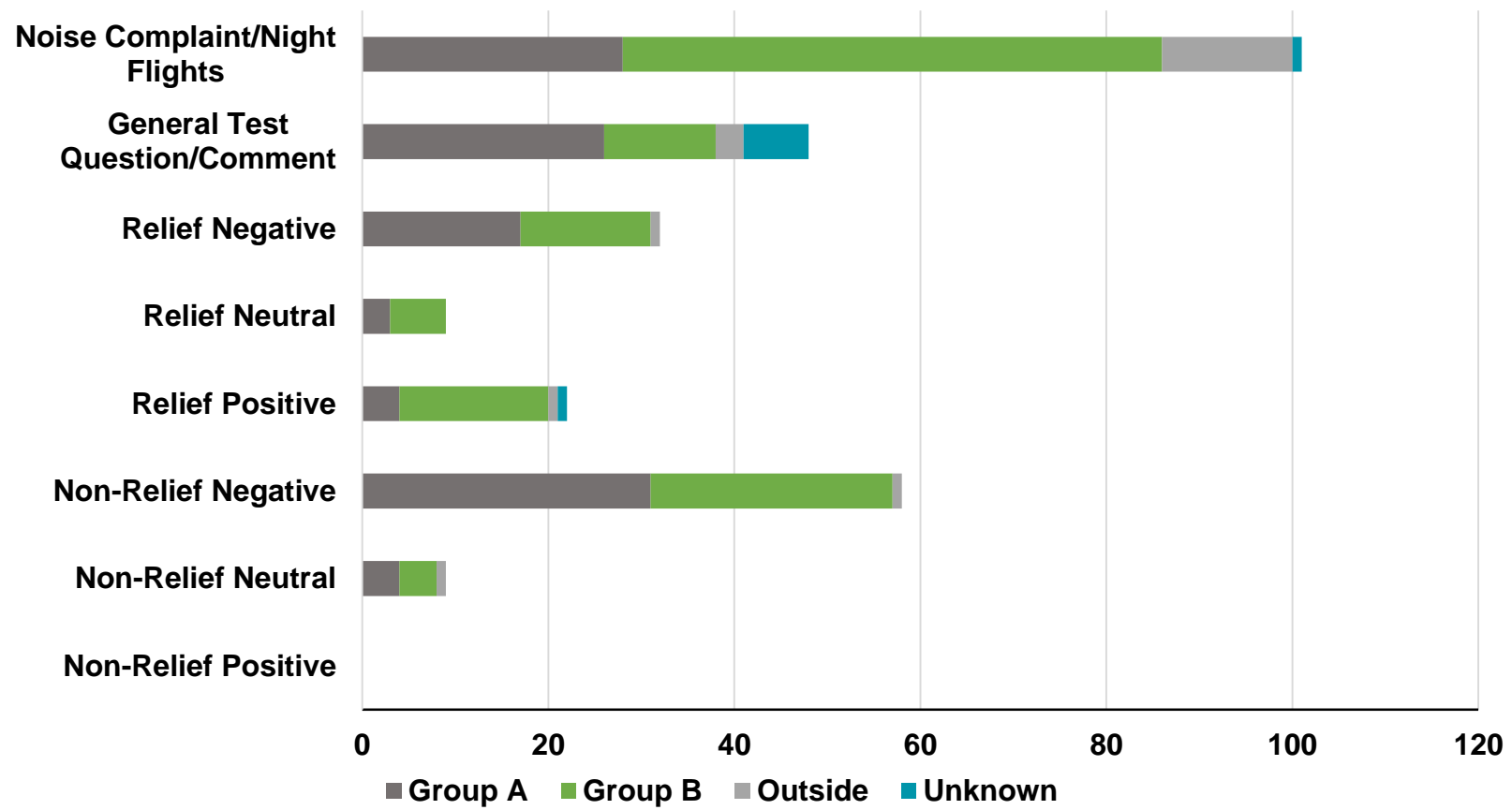


# WHAT WE'VE HEARD: WEEKENDS 1 - 8



# WHAT WE'VE HEARD: WEEKENDS 1 TO 8

## Resident Feedback Throughout Test by Subject



Number of Feedback Entries

**218**

Number of Individuals

**164**

*\*39 blank entries by same device*

# CONTINUED COMMUNITY INPUT

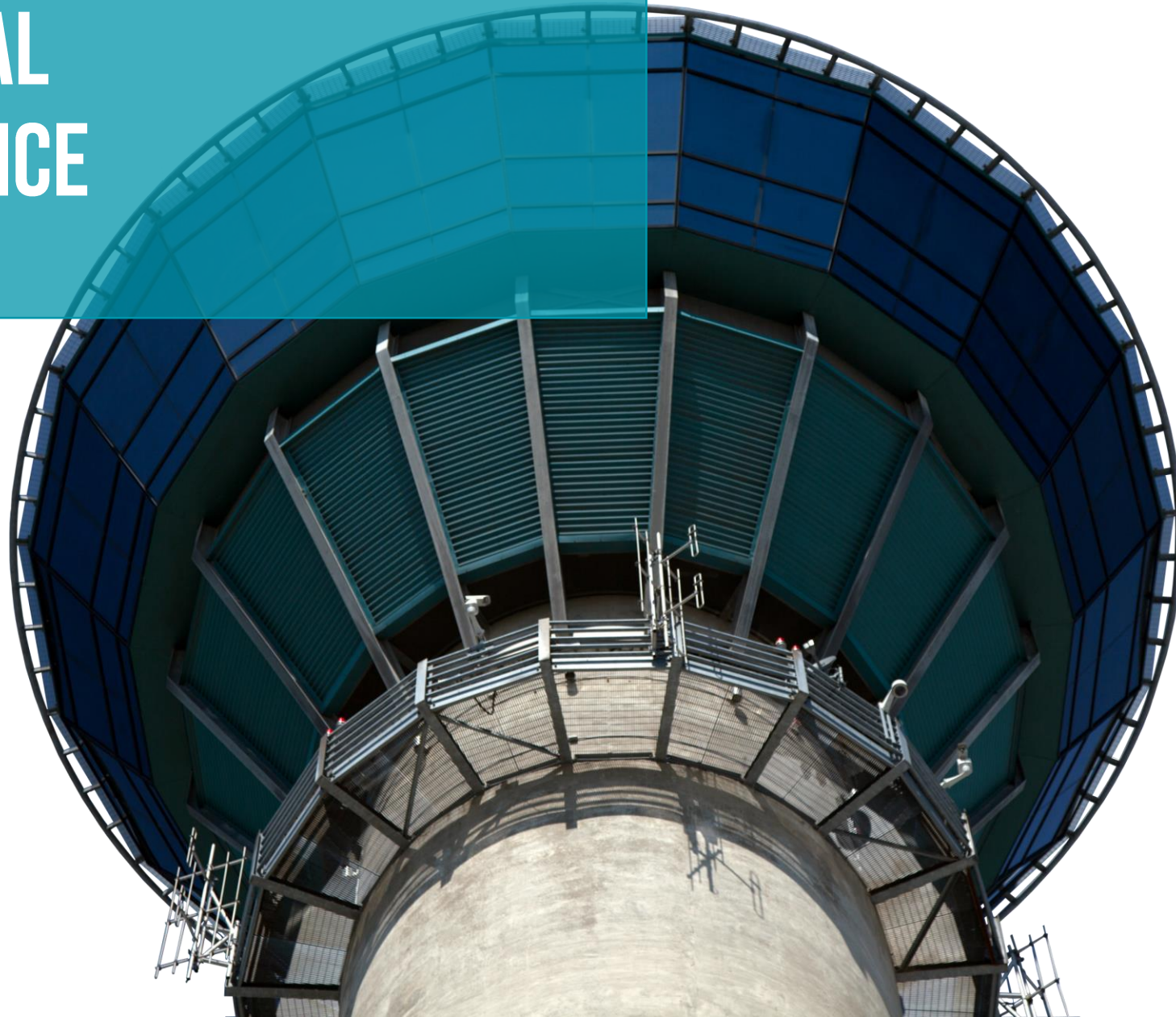
- Now that the test is complete, GTAA are asking for overall impressions
- Final survey
  - September 24 – October 9
  - [www.torontopearson.com/runwayalternation](http://www.torontopearson.com/runwayalternation)
- Residents in Group A and Group B (~163,000 homes) will receive telephone surveys



# CONTINUED COMMUNITY INPUT: SURVEY PROMOTION

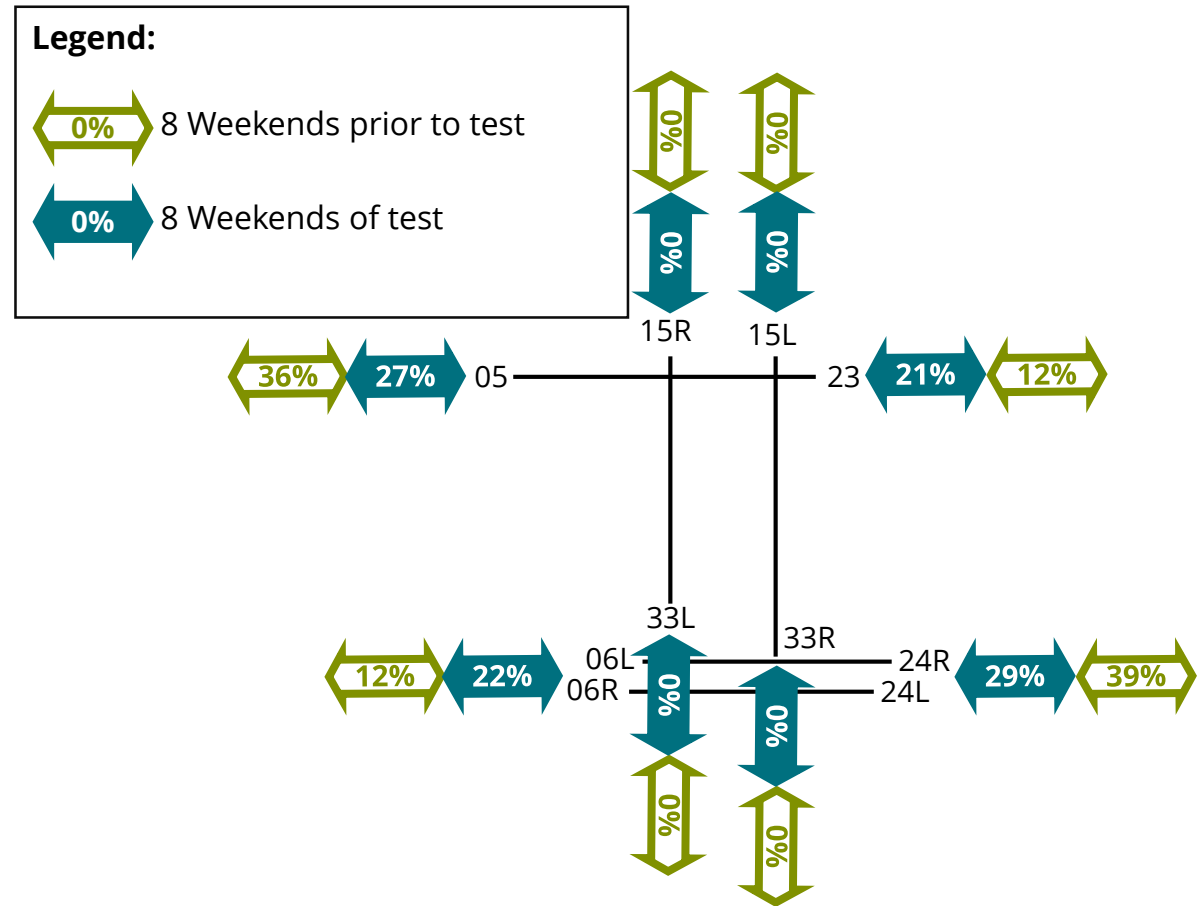
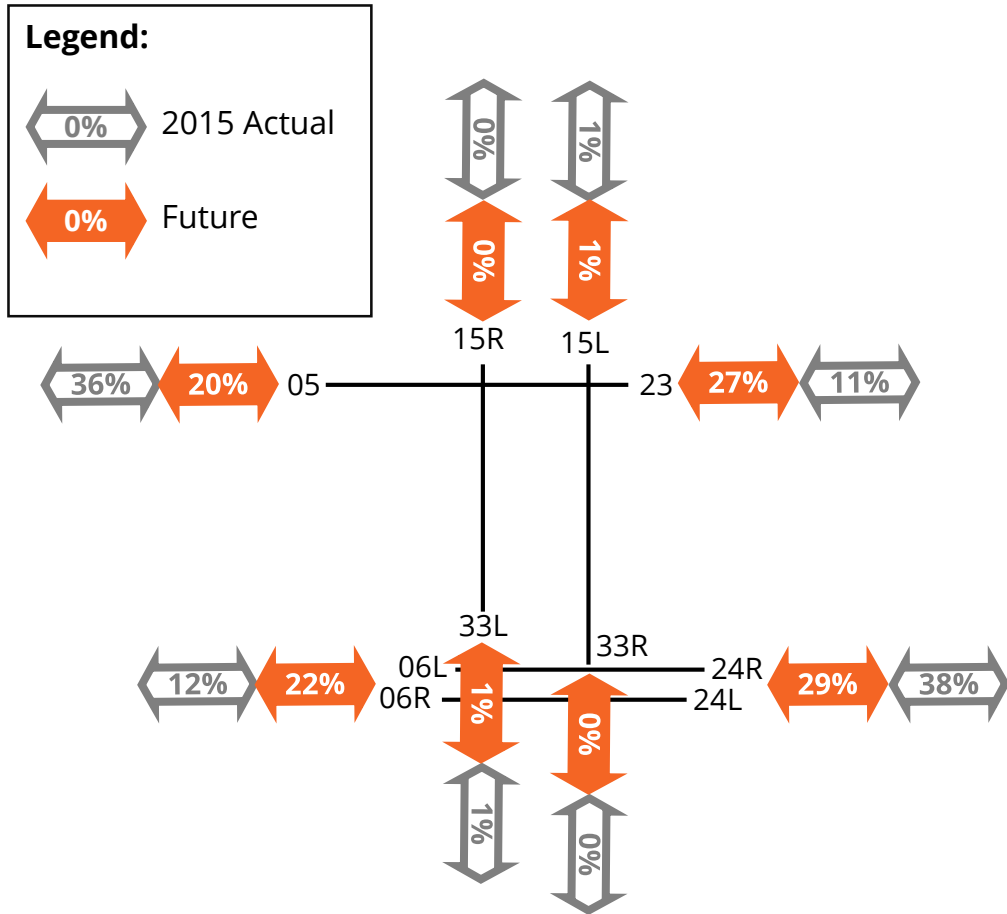
- Emails to elected officials
- Emails to residents who provided feedback during the testing
- Included in “Checking In” – our community e-newsletter
- Social media promotion throughout the survey period

# OPERATIONAL PERFORMANCE



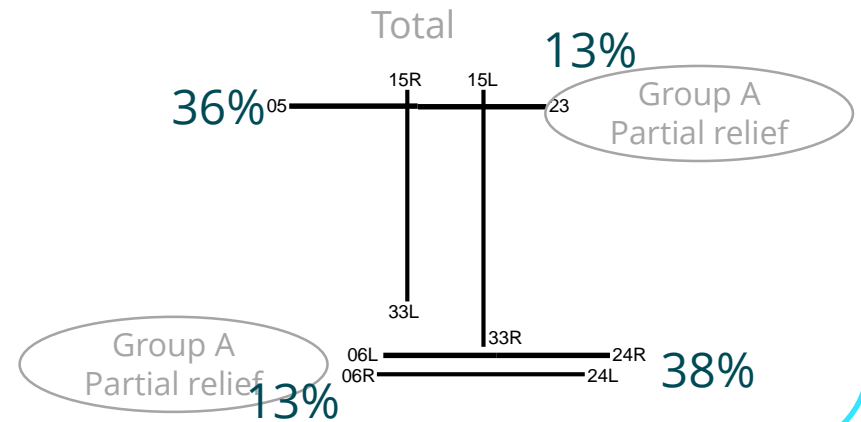
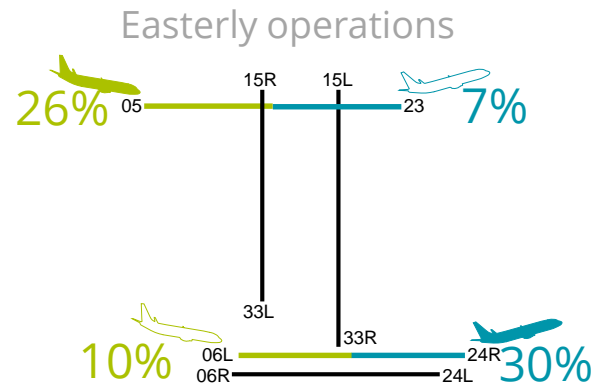
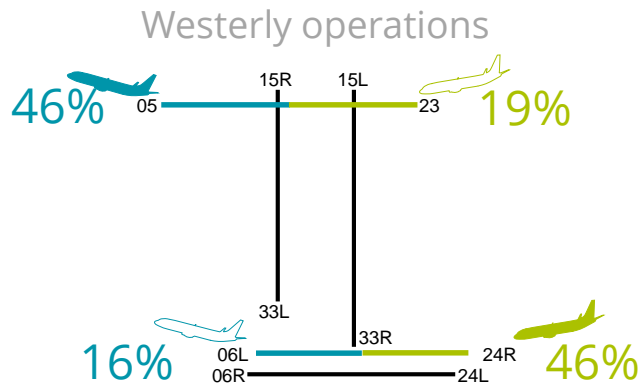
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# DISTRIBUTION OF TRAFFIC BY "QUADRANT" – ALL 8 WEEKENDS

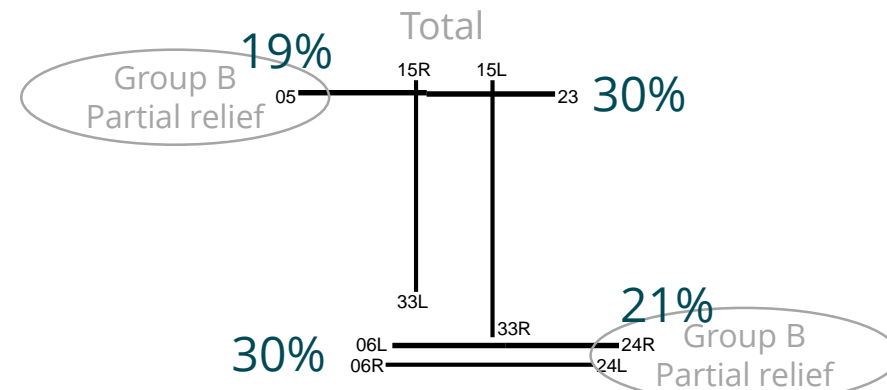
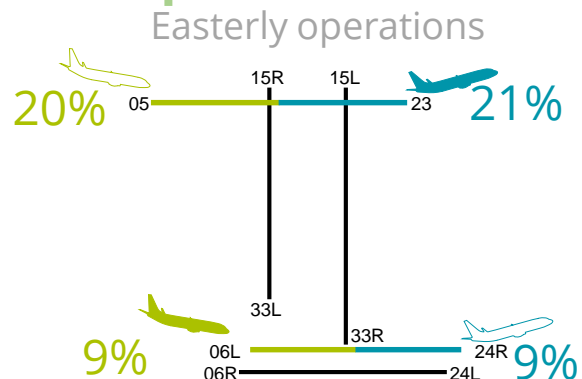
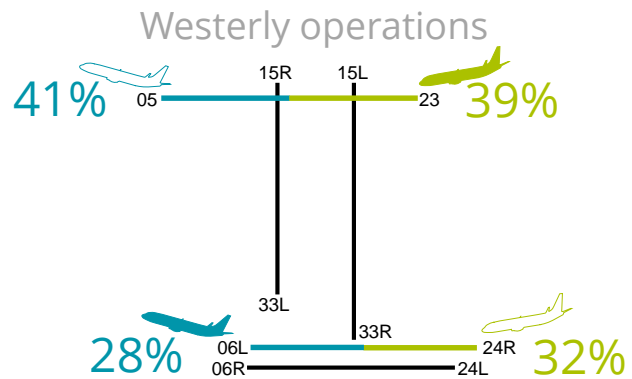


# COMPLIANCE BY WEEKEND & OPERATING DIRECTION

## Group A Weekends



## Group B Weekends













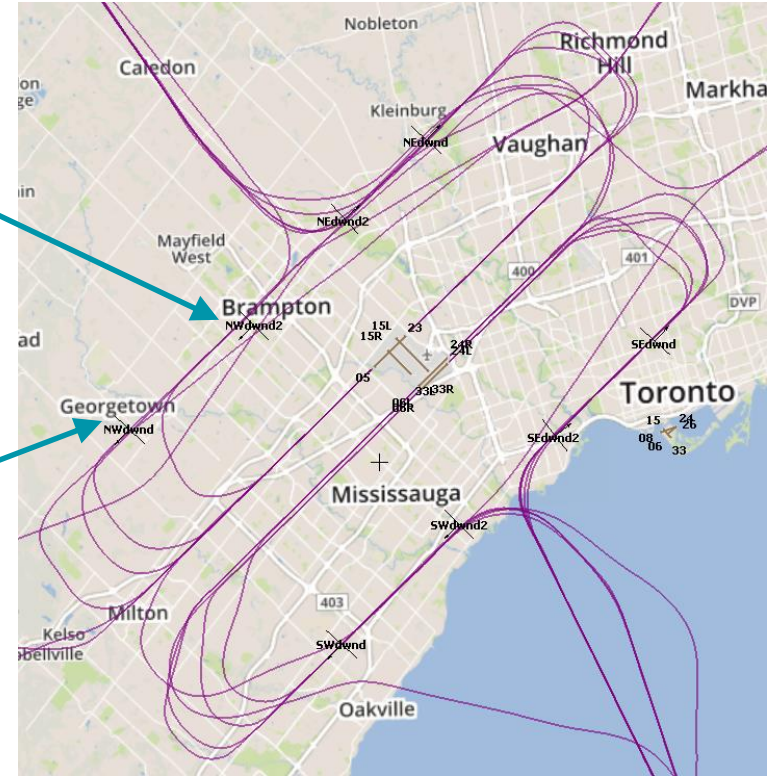
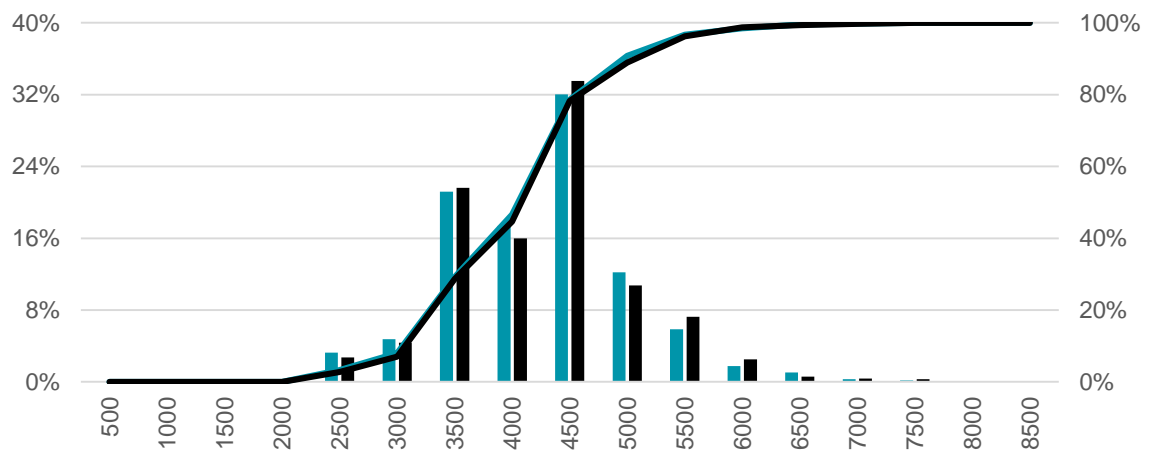
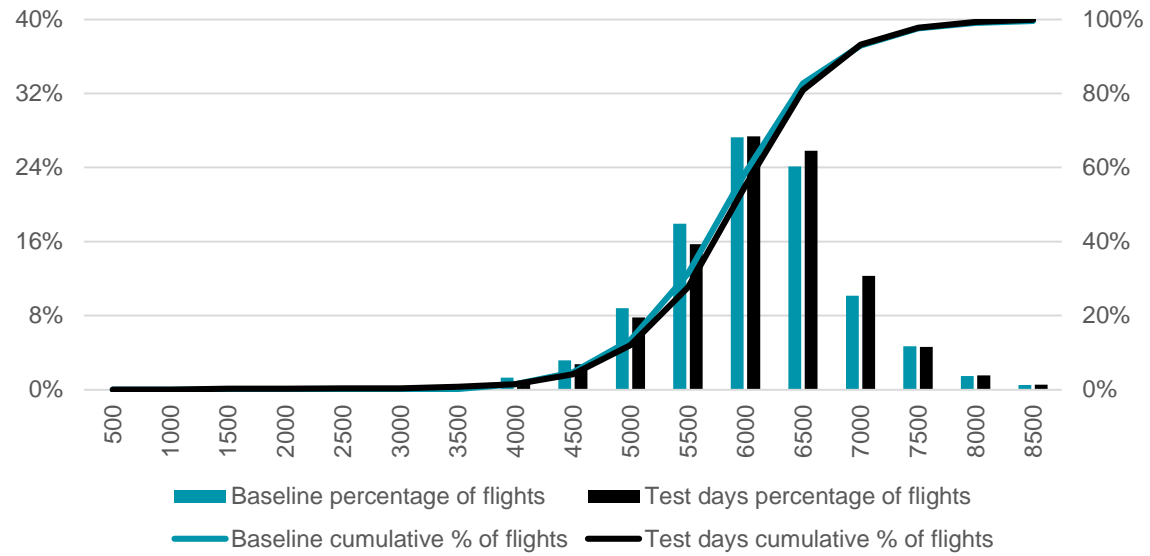


# COMPLIANCE BY TIME BANDS

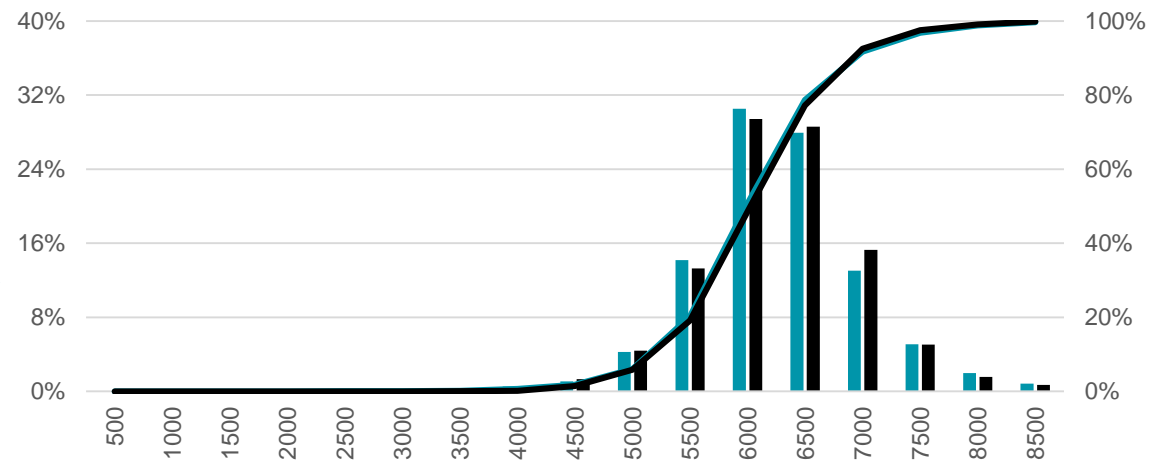
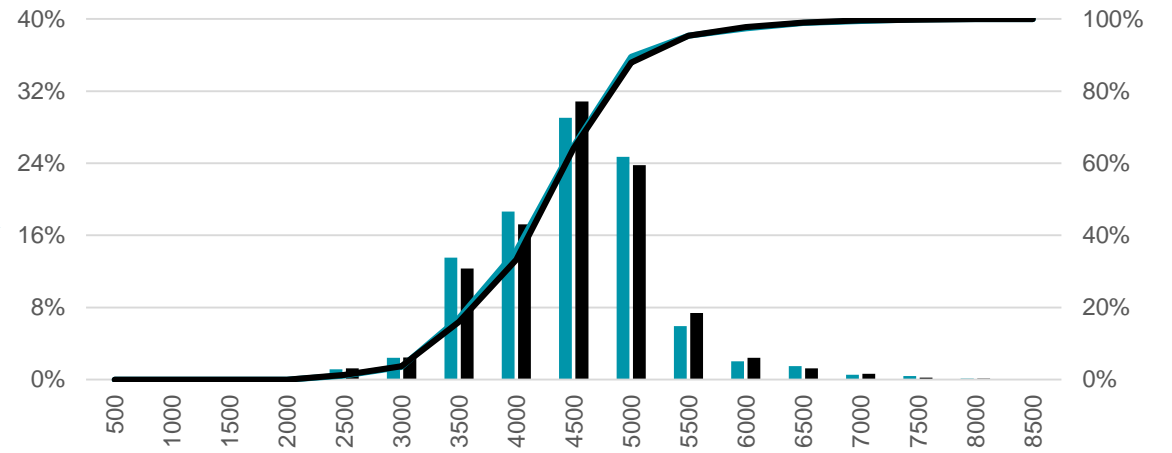
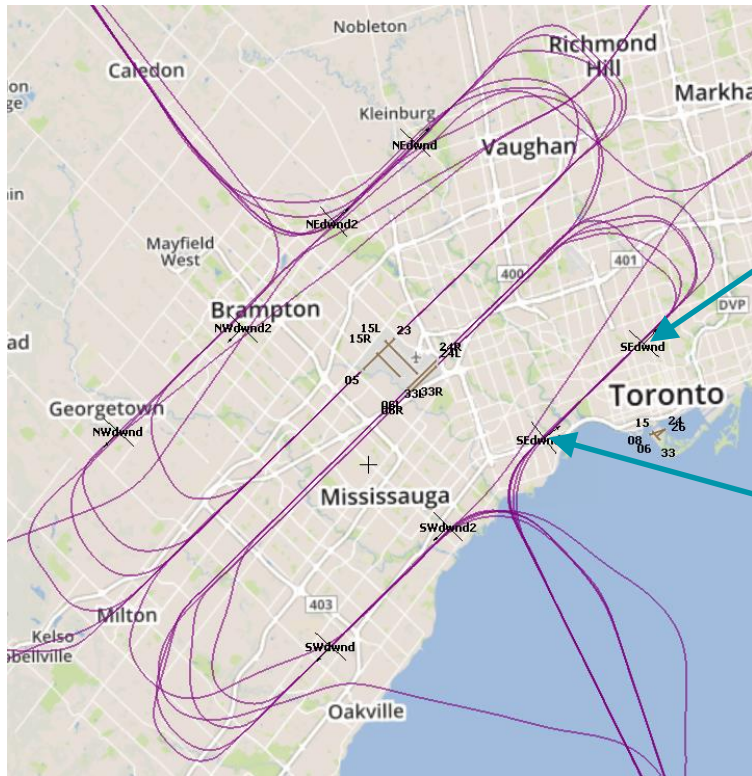
Time Band	Compliance %
06:30 – 07:59	82%
08:00 – 09:29	69%
09:30 – 13:44	90%
13:45 – 21:14	55%
21:15 – 23:59	67%

	28-29 Jul	4-5 Aug	11-12 Aug	18-19 Aug	25-26 Aug	1-2 Sep	8-9 Sep	15-16 Sep
06:30 – 07:59	89%	71%	77%	78%	71%	91%	93%	84%
08:00 – 09:29	54%	52%	76%	74%	52%	82%	100%	68%
09:30 – 13:44	87%	90%	84%	88%	95%	90%	94%	92%
13:45 – 21:14	67%	51%	52%	54%	66%	54%	61%	35%
21:15 – 23:59	90%	13%	87%	89%	97%	16%	92%	41%

# ALTITUDE ON DOWNWINDS HAS NOT CHANGED – NORTH WEST



# ALTITUDE ON DOWNWINDS HAS NOT CHANGED – SOUTH EAST



■ Baseline percentage of flights    ■ Test days percentage of flights  
— Baseline cumulative % of flights    — Test days cumulative % of flights

# WHAT NEXT





# WHAT NEXT

- More detailed investigations to identify learning and possibility to improve performance.
  - Demand v's capacities v's forecasts
  - Weather
  - Aircraft fleet mix
  - Off-slot operations
  - Discussions with NAV CANADA & key airlines
- Analysis of # of noise events
- Usage of downwinds
- Descent profiles

# WHAT NEXT

- Final survey period
  - Available online
  - September 24 – October 9
- ~ 163,000 telephone surveys
- Report back in December 2018

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