SOUNDSCAPE STATISTICS – YEAR 2017
AÉROPORT INTERNATIONAL PIERRE-ELLIOTT-TRUDEAU DE MONTRÉAL

Noise Complaints

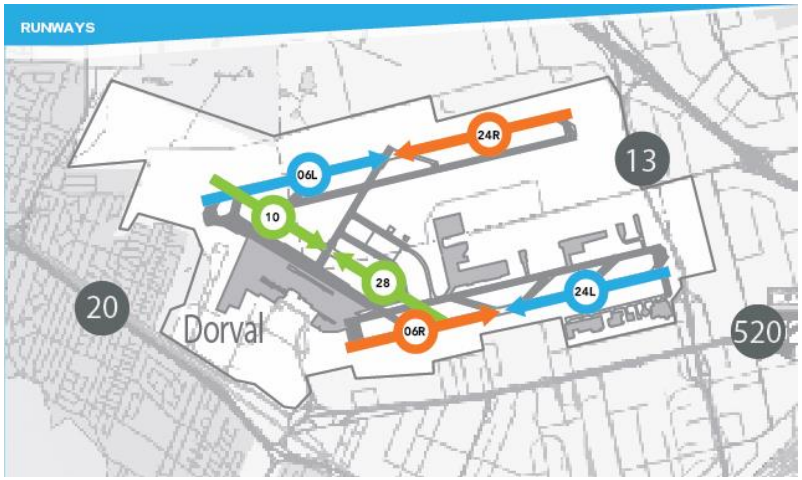
277 people filed 543 noise complaints in 2017, which represents a decrease of 45 complainants (14%) and of 175 complaints (24%) compared to 2016. 27 % of the total number of complaints were filed by 3 complainants.

During the year of 2017 and in line with maintenance work:

Runway 06L-24R: Intermittent daytime and nighttime closures throughout the year.

Runway 06R-24L: Intermittent daytime and nighttime closures throughout the year.

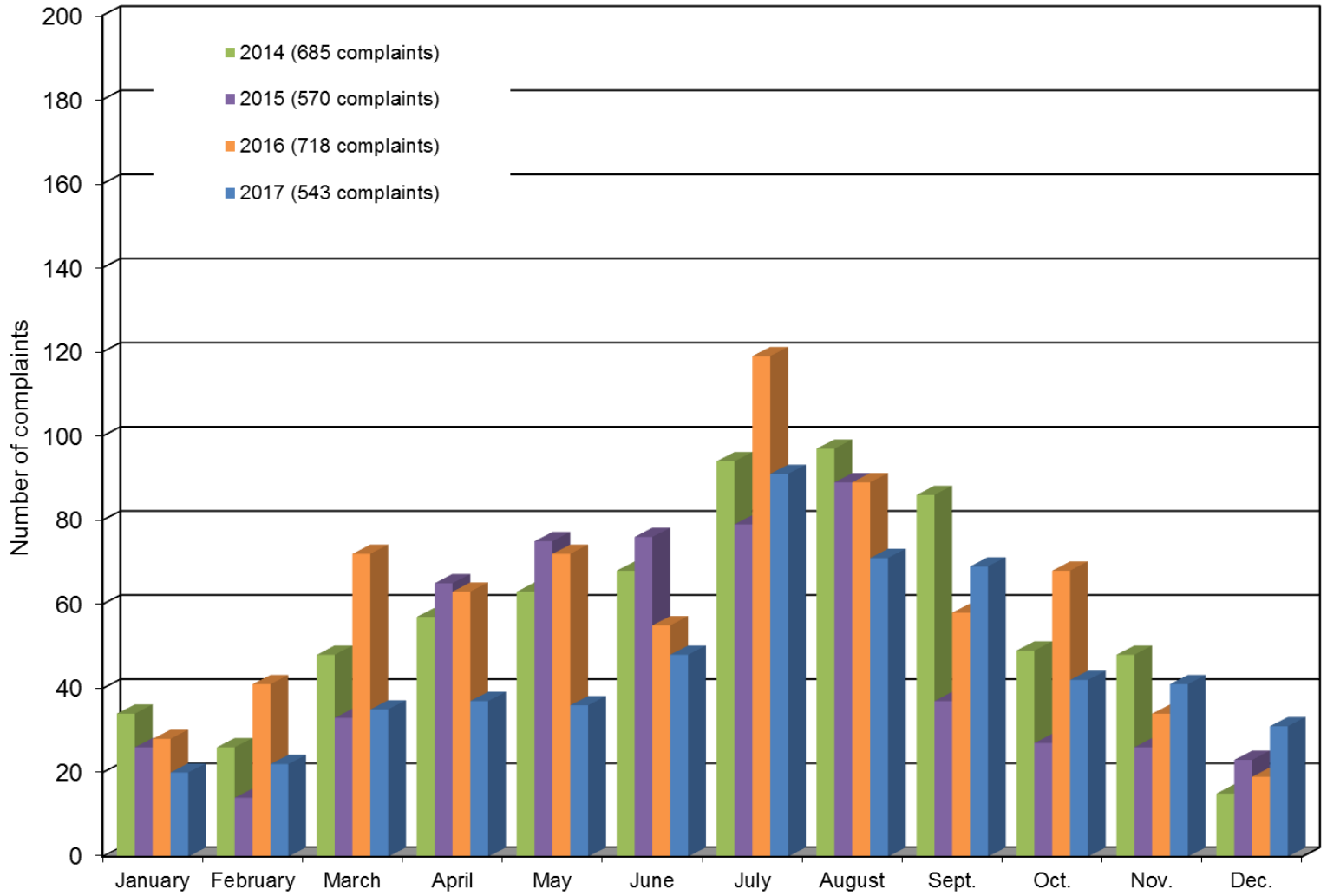
Runway 10-28: Intermittent closures from January to April then closed from May to December.



In 2017, trajectories, overflight frequency and nighttime movements were the main causes of annoyance, counting respectively for 33%, 32% and 25% of the complaints for a total of 89%.

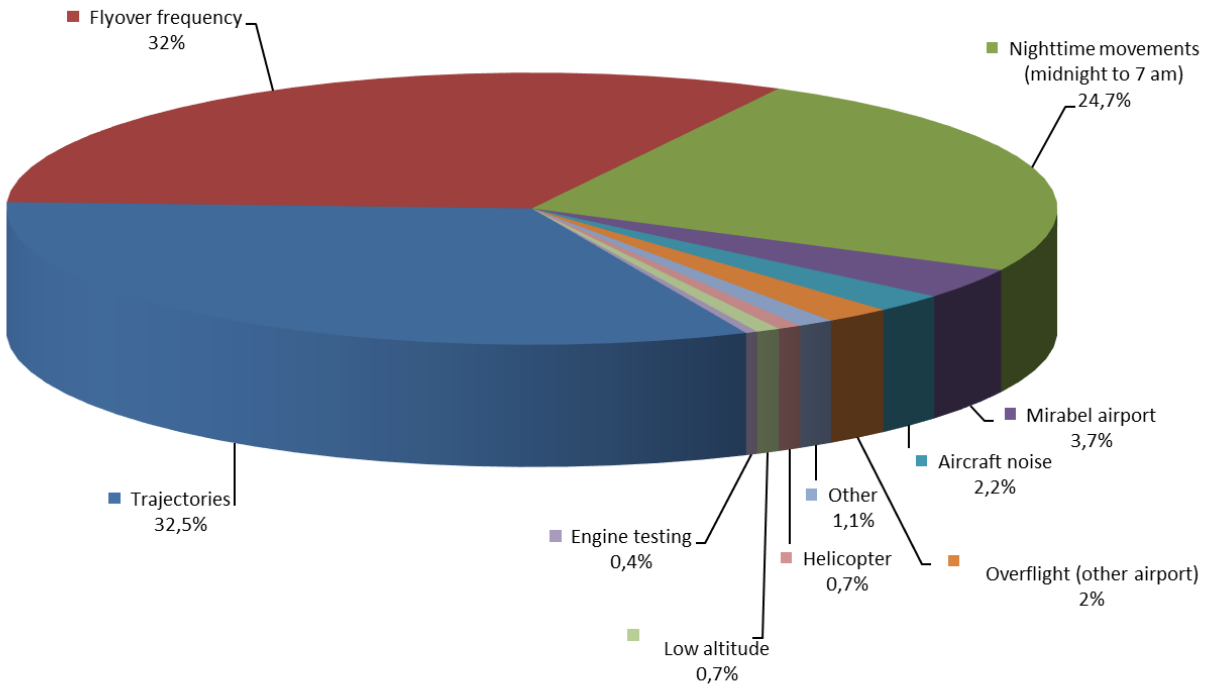
Complaints mainly originate from the Dorval, Pointe-Claire, Ahuntsic-Cartierville and Saint-Laurent sectors accounting for 61% of the total number of complaints.

NOISE COMPLAINT STATISTICS



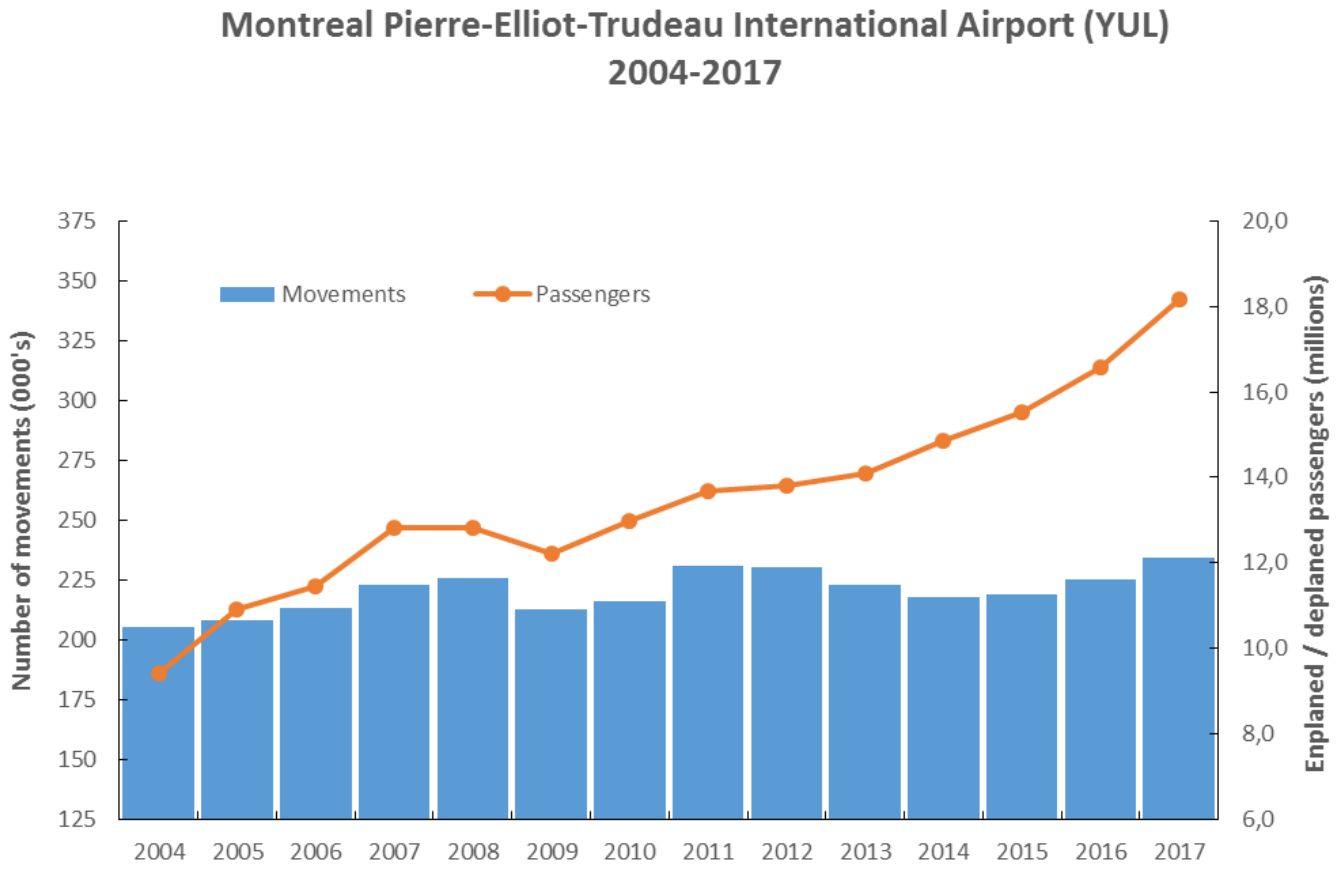
MOTIVE OF DISTURBANCE - 2017
MONTRÉAL-TRUDEAU AIRPORT

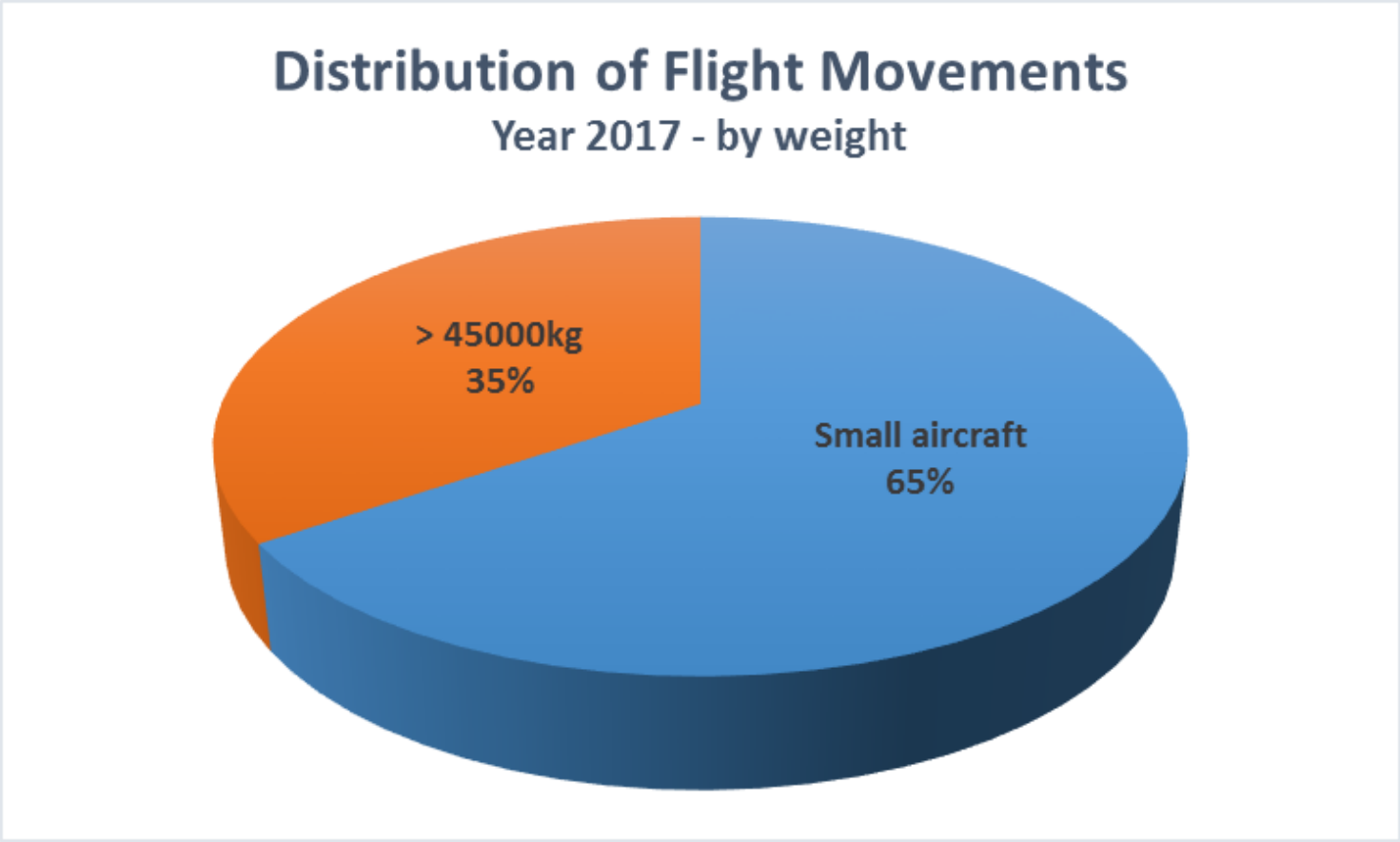
Motive of disturbance - 2017	Number of complaints
Trajectories	176
Flyover frequency	174
Nighttime movements (midnight to 7 am)	134
Mirabel airport	20
Aircraft noise	12
Overflight (other airport)	11
Other	6
Low altitude	4
Helicopter	4
Engine testing	2
Total	543



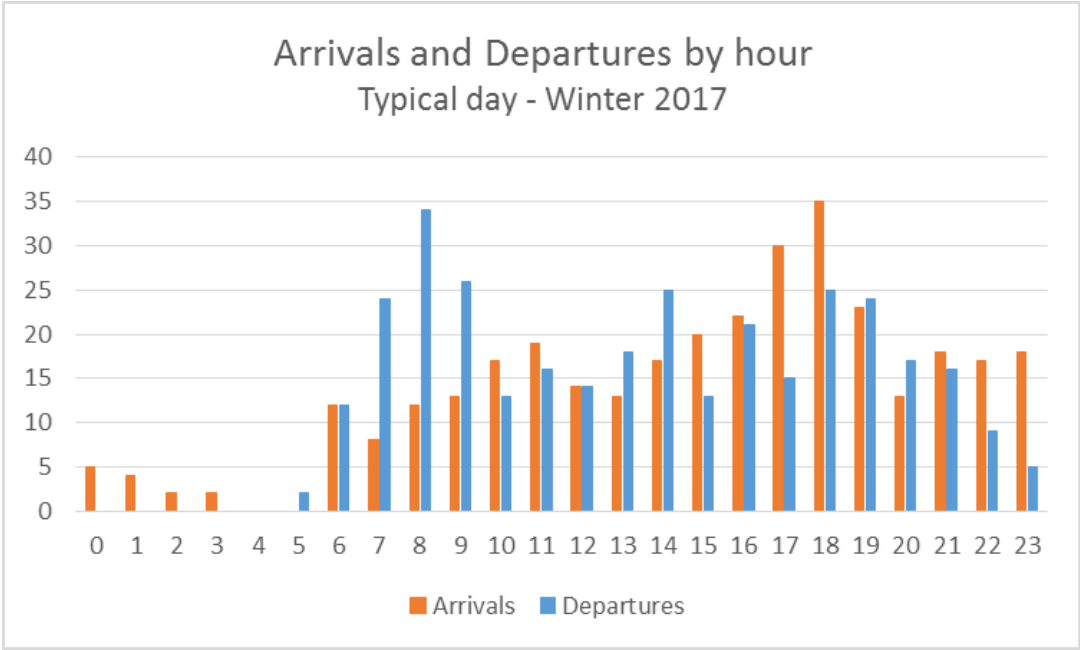
Movements

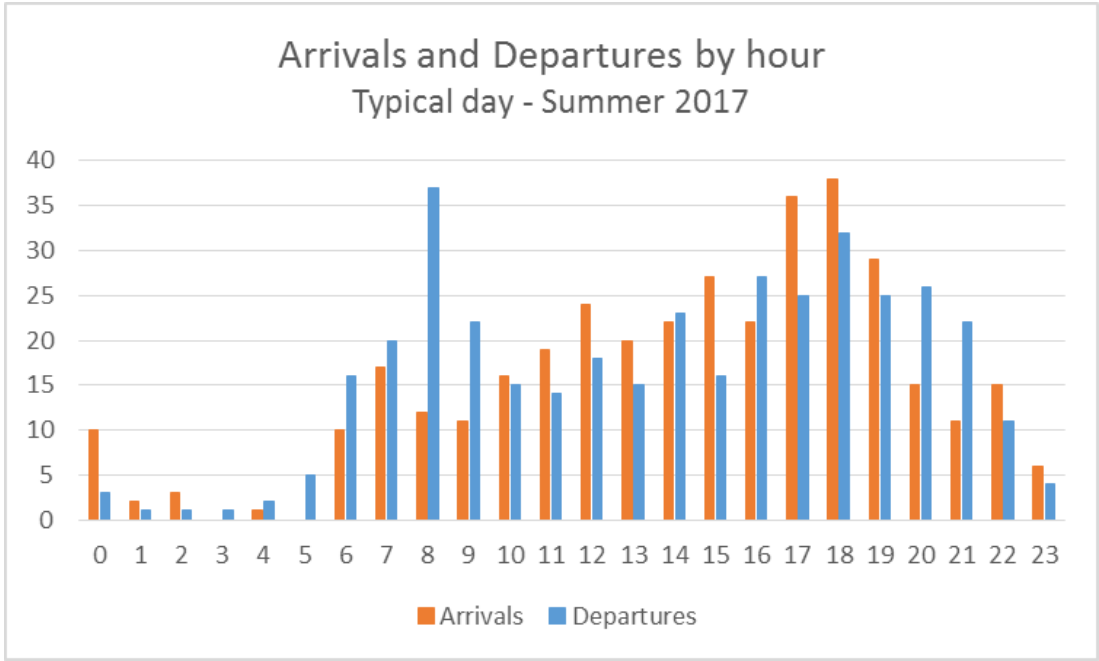
The number of movements (landings and take offs) increased by 4% in 2017 and the number of passengers increased by 9.5%, to 18.2 M.

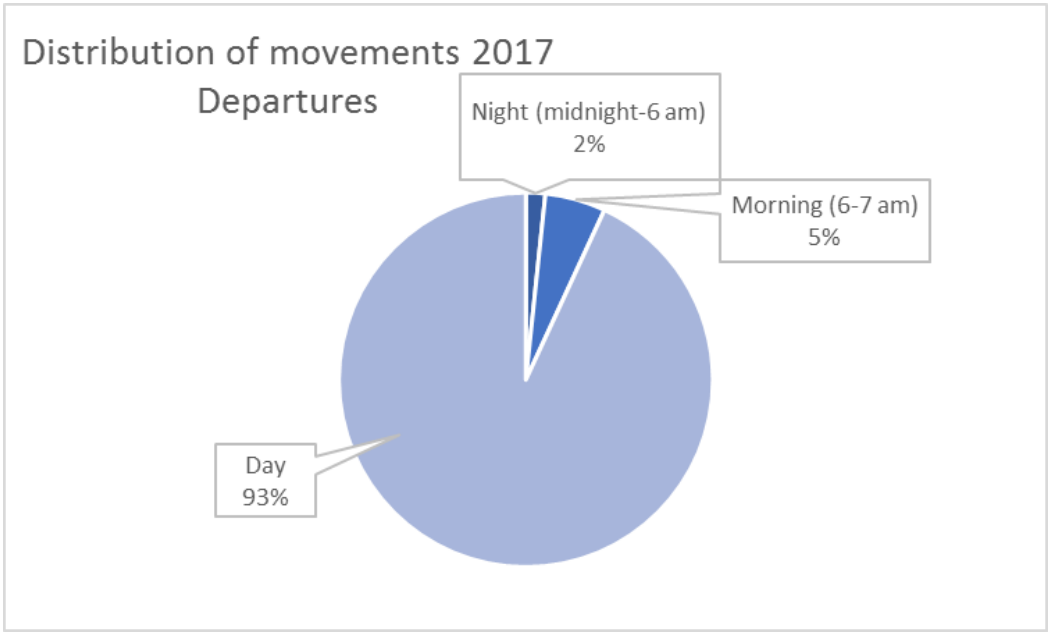


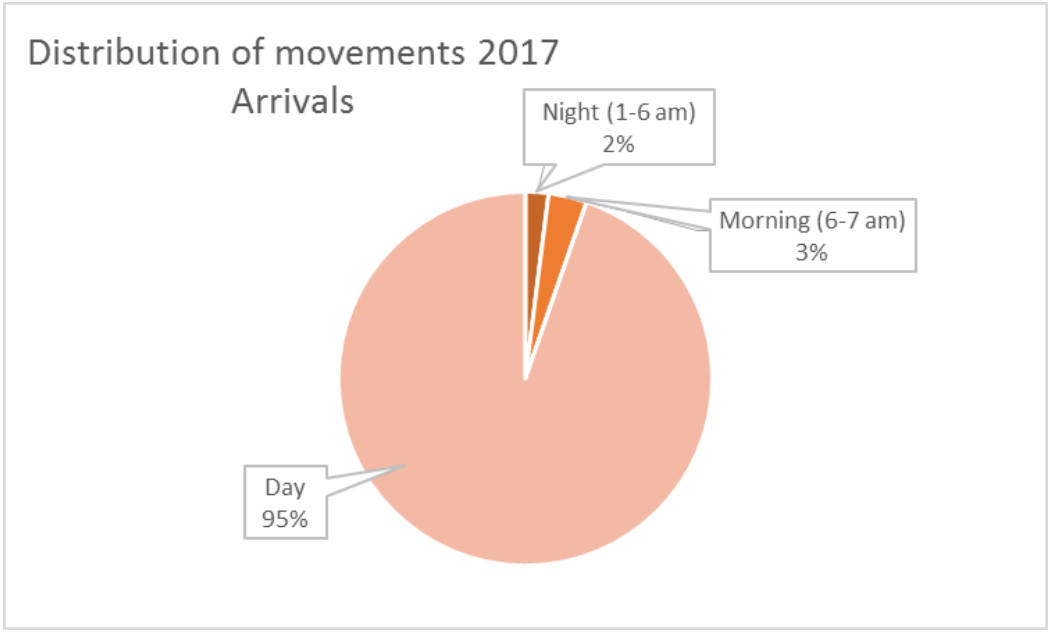


- Aircraft +45,000 kg (Airbus, Boeing)
- Aircraft -45,000 kg (CRJ, Dahs-8, general aviation)


Arrivals and Departures by hour
Typical day - Winter 2017
40
35
30
25
20
15
10
5
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Arrivals
Departures


Arrivals and Departures by hour
Typical day - Summer 2017
40
35
30
25
20
15
10
5
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Arrivals
Departures


Distribution of movements 2017
Departures
Night (midnight-6 am)
2%
Morning (6-7 am)
5%
Day
93%


Distribution of movements 2017
Arrivals
Night (1-6 am)
2%
Morning (6-7 am)
3%
Day
95%

Exemptions

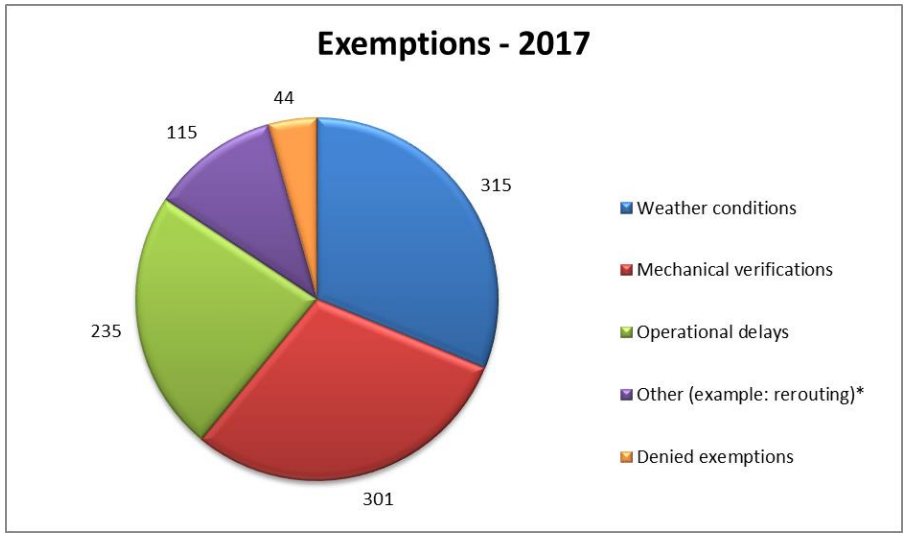
In 2017, 966 ad-hoc exemptions we granted compared to 805 in 2016.

Factors that contributed to the increase:

- Hurricane Irma evacuation flights
- Lightning alerts
- Ice rain episodes
- Major snow storm in March 2017

Files transmitted to Transport Canada

44 exemption requests were denied in 2107, 25 infraction cases were transmitted to Transport Canada, compared to 20 en 2016.



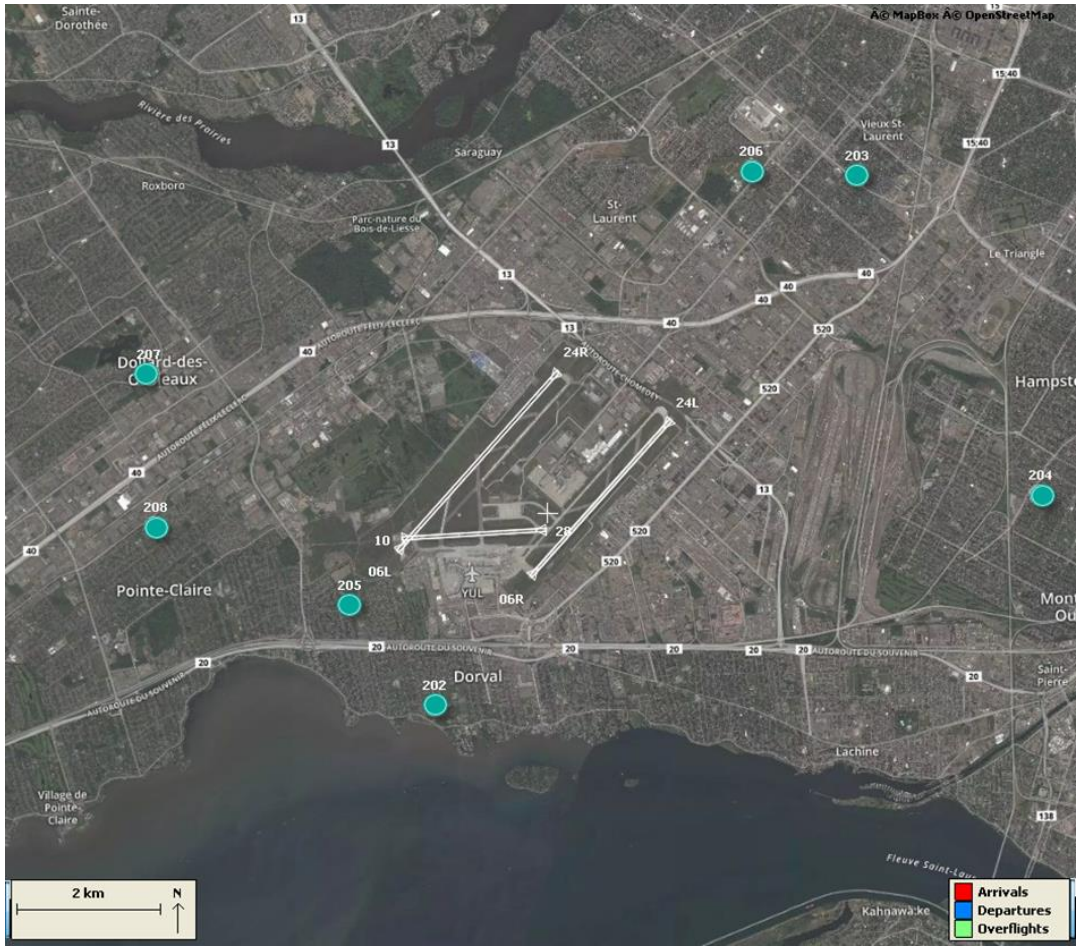
* Other – includes Hurricane Irma evacuation flights

Engine run-ups

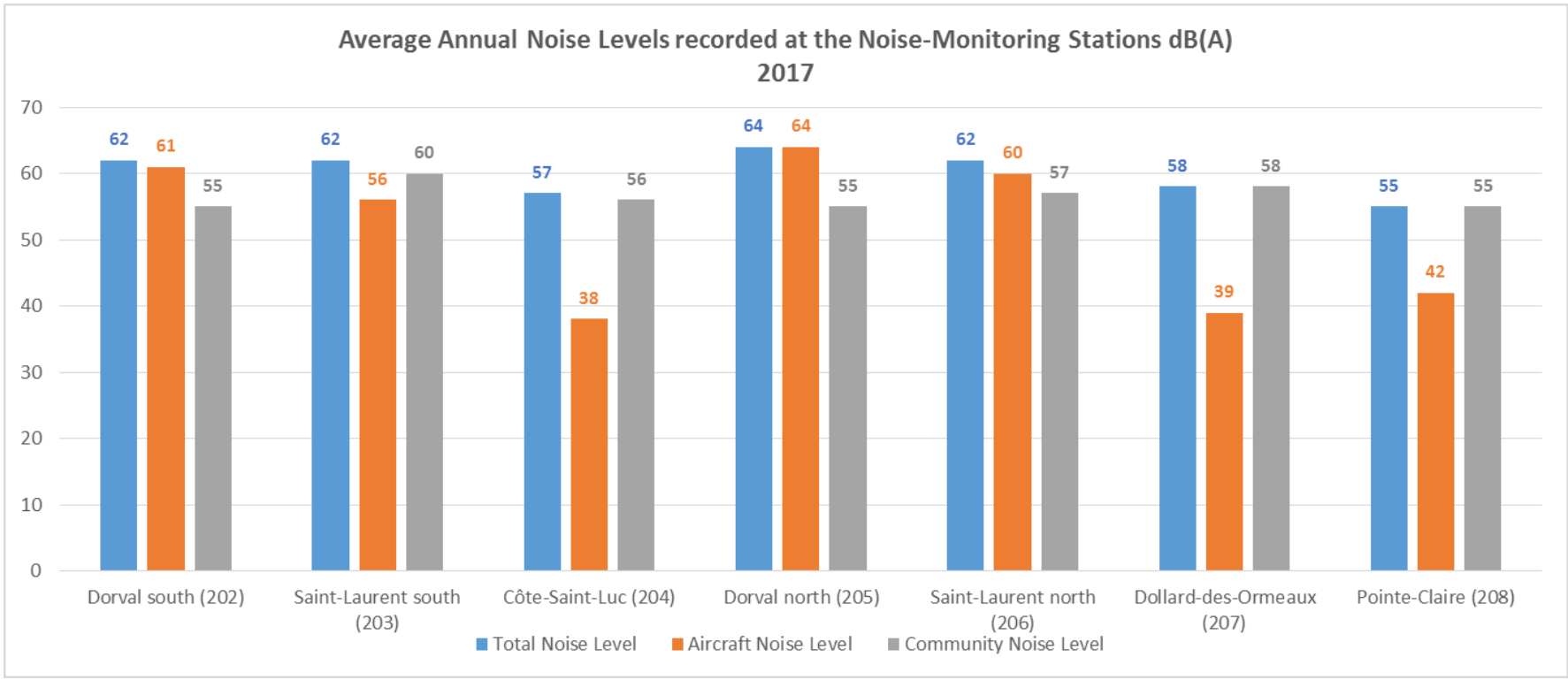
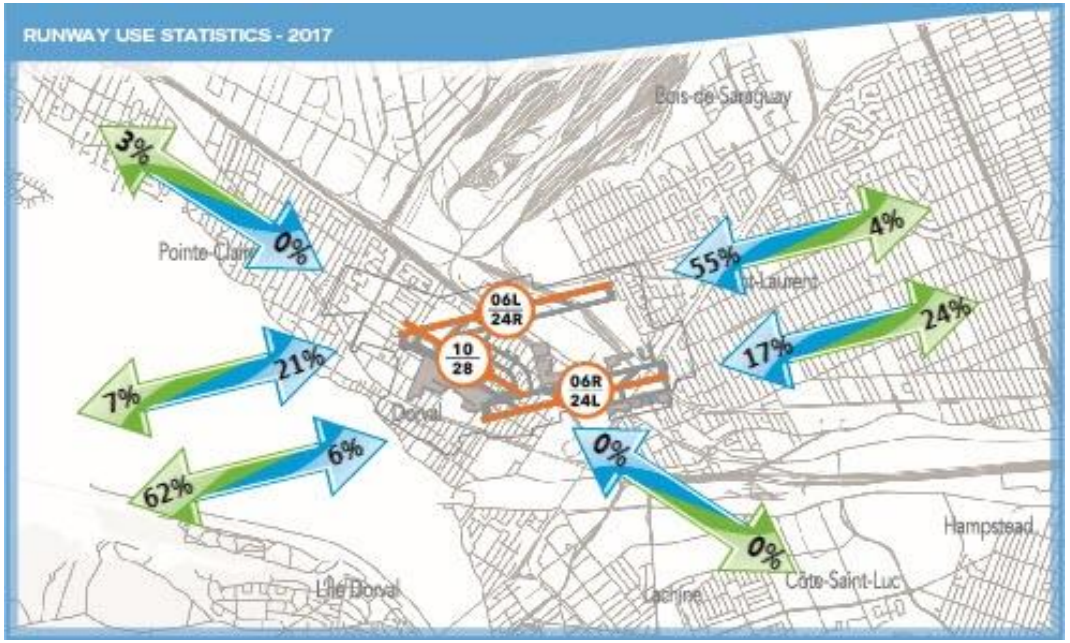
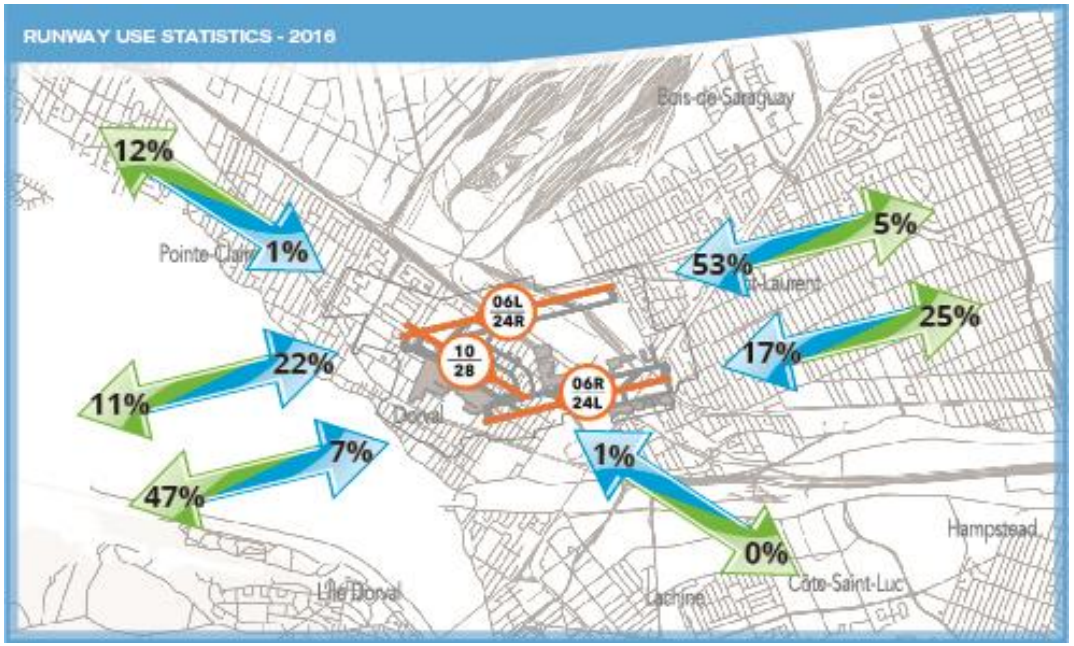
There were 113 nighttime engine run-ups in 2017, compared to 84 in 2016. Noise complaints resulting from this activity represents 0.4% of the total number of complaint in 2017, compared to 0.1% in 2016.

Average Annual Noise Levels recorded at the noise-monitoring terminals dB(A)

Noise monitoring terminals (NMT):



There are three types of report: total noise (all noise sources) aircraft noise, and community noise (train, truck and other noise not related to aircraft movements). The -21 dB(A) noise-attenuation factor due to home insulation, used by the World Health Organization (WHO), must also be considered.



Runway Use Statistics – Year 2017 vs 2016