

## Aerodrome Detail Report - TC

### 2017

#### CYUL - Pierre-Elliott-Trudeau Intl Airport

**Legal Name:** Pierre-Elliott-Trudeau Intl Airport  
**Name:** MONTRÉAL / PIERRE ELLIOTT TRUDEAU INTL QC (CYUL)  
**Type:** Land  
**Status:** Certified  
**Owner:** AÉROPORTS DE MONTRÉAL (ADM)  
**Operator:** AÉROPORTS DE MONTRÉAL (ADM)  
**City:** DORVAL, Quebec, Canada  
**Longitude:** 73°44'27"W  
**Latitude:** 45°28'13"N  
**# of Runways:** 3

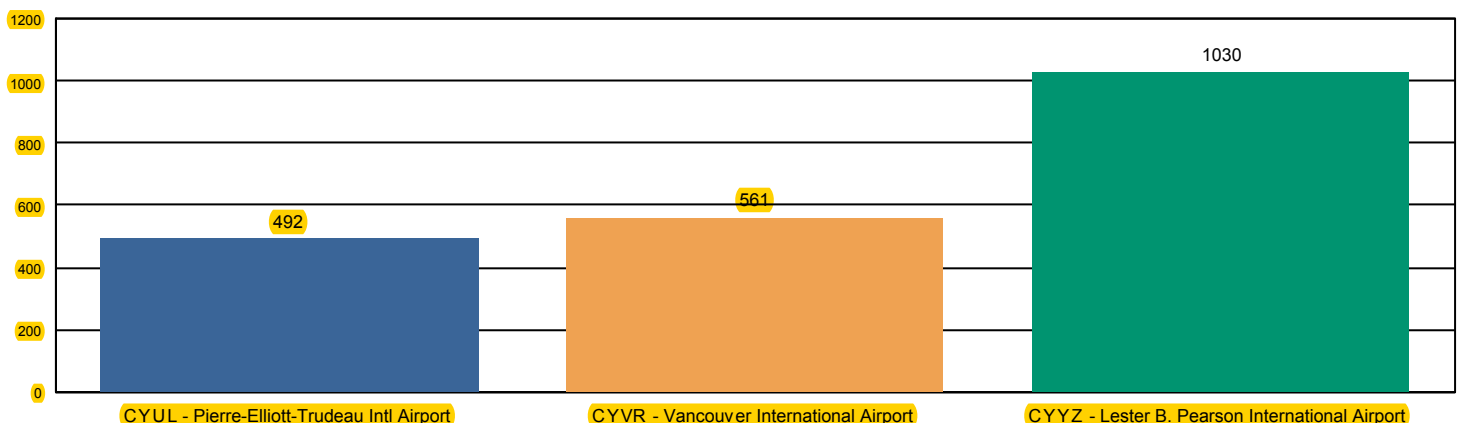
#### CYVR - Vancouver International Airport

**Legal Name:** Vancouver International Airport  
**Name:** VANCOUVER INTL BC (CYVR)  
**Type:** Land  
**Status:** Certified  
**Owner:** VANCOUVER INTERNATIONAL AIRPORT AUTHORITY  
**Operator:** VANCOUVER INTERNATIONAL AIRPORT AUTHORITY  
**City:** RICHMOND, British Columbia, Canada  
**Longitude:** 123°11'02"W  
**Latitude:** 49°11'41"N  
**# of Runways:** 4

#### CYYZ - Lester B. Pearson International Airport

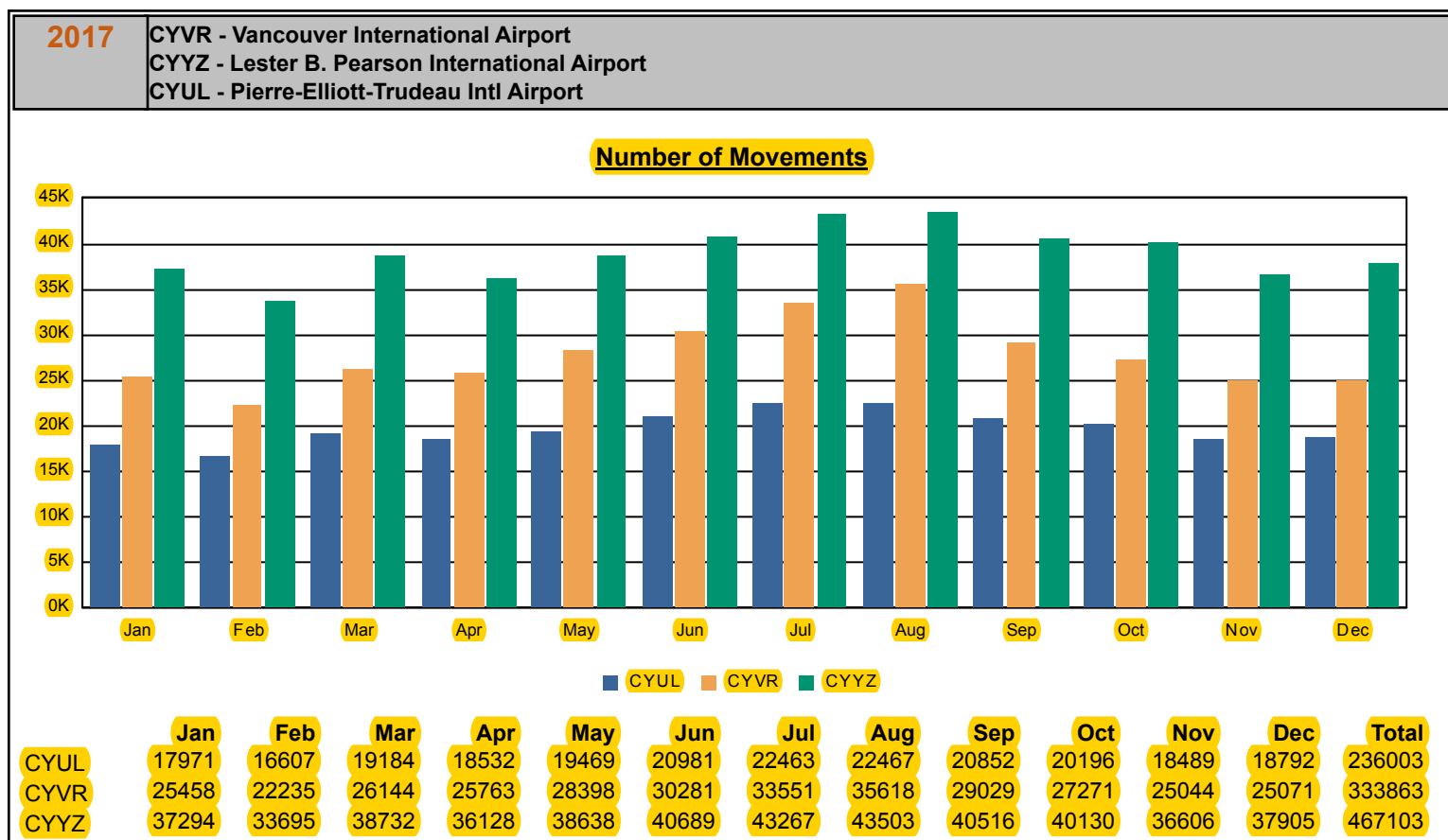
**Legal Name:** Lester B. Pearson International Airport  
**Name:** TORONTO / LESTER B. PEARSON INTL ON (CYYZ)  
**Type:** Land  
**Status:** Certified  
**Owner:** GREATER TORONTO AIRPORT AUTHORITY  
**Operator:** GREATER TORONTO AIRPORTS AUTHORITY  
**City:** MISSISSAUGA, Ontario, Canada  
**Longitude:** 79°37'50"W  
**Latitude:** 43°40'36"N  
**# of Runways:** 5

#### Number of Occurrences - 2017



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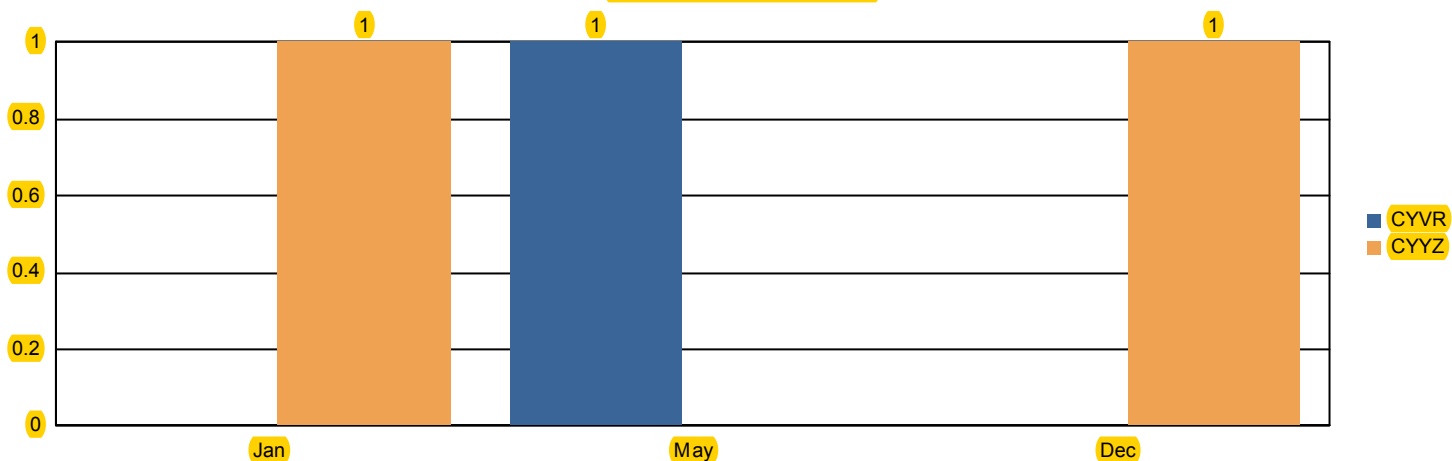
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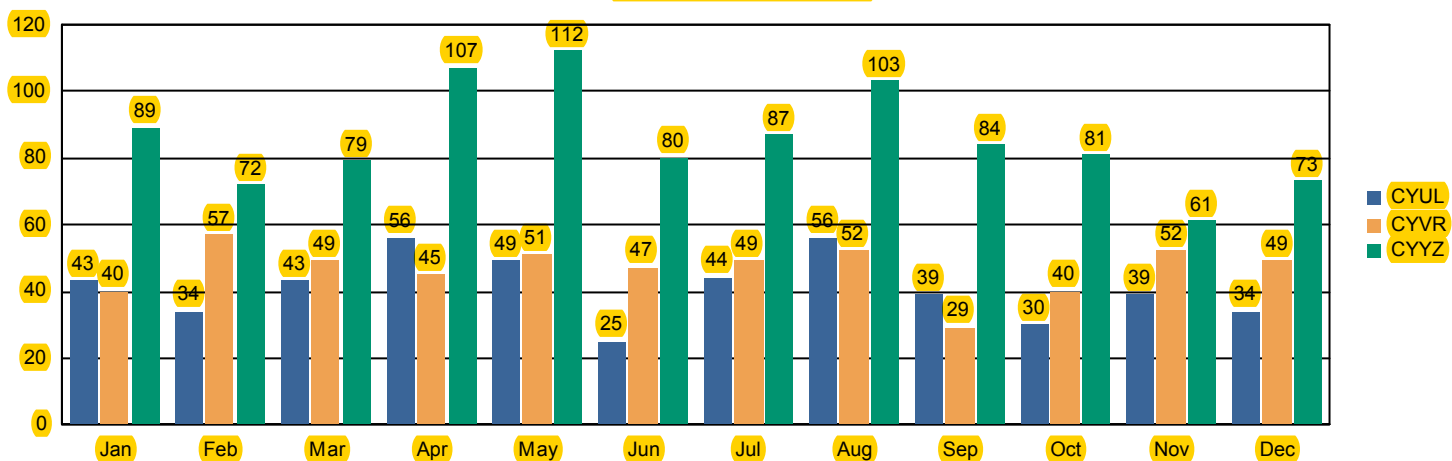
2017

CYVR - Vancouver International Airport  
CYYZ - Lester B. Pearson International Airport  
CYUL - Pierre-Elliott-Trudeau Intl Airport

Number of Accidents

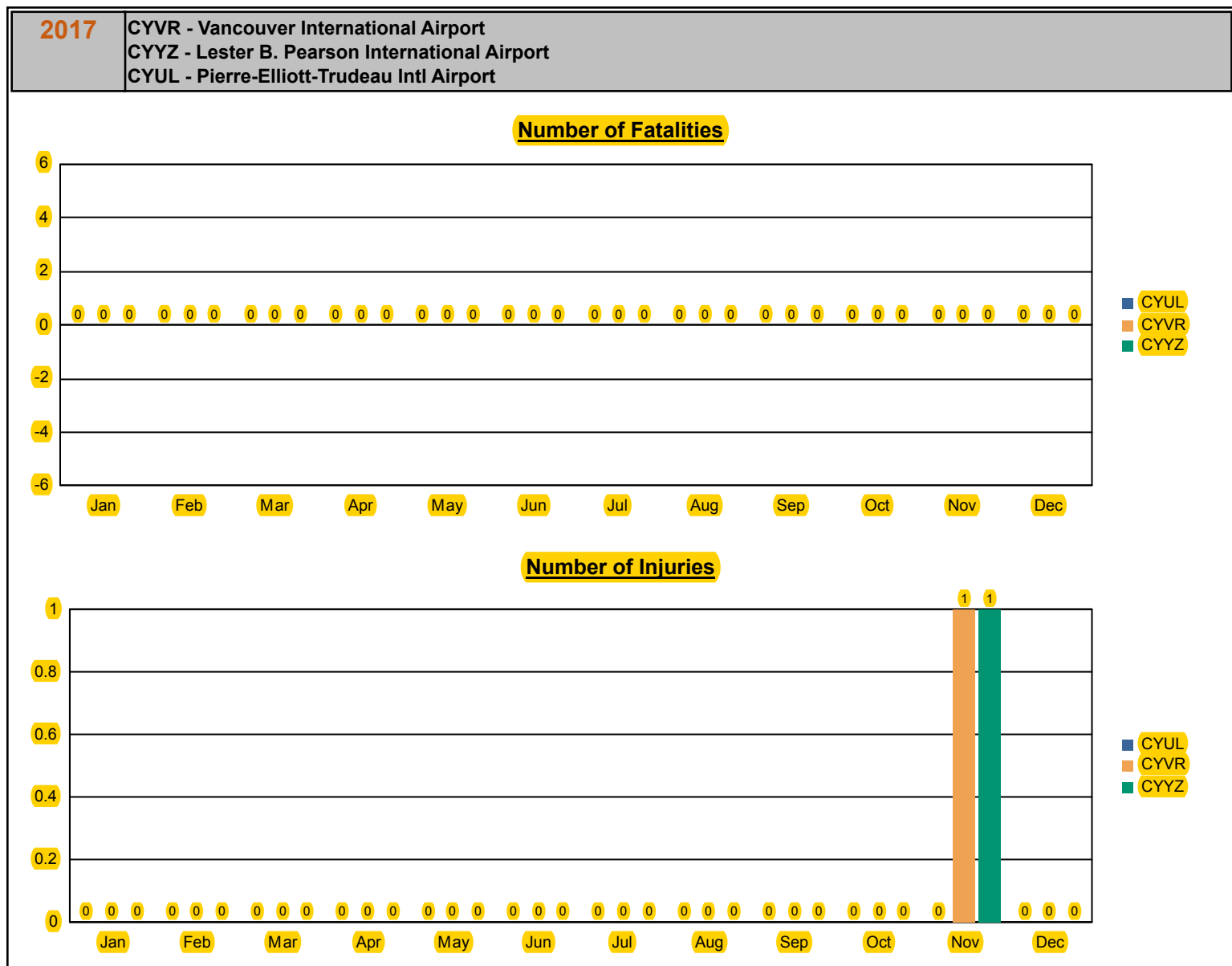


Number of Incidents



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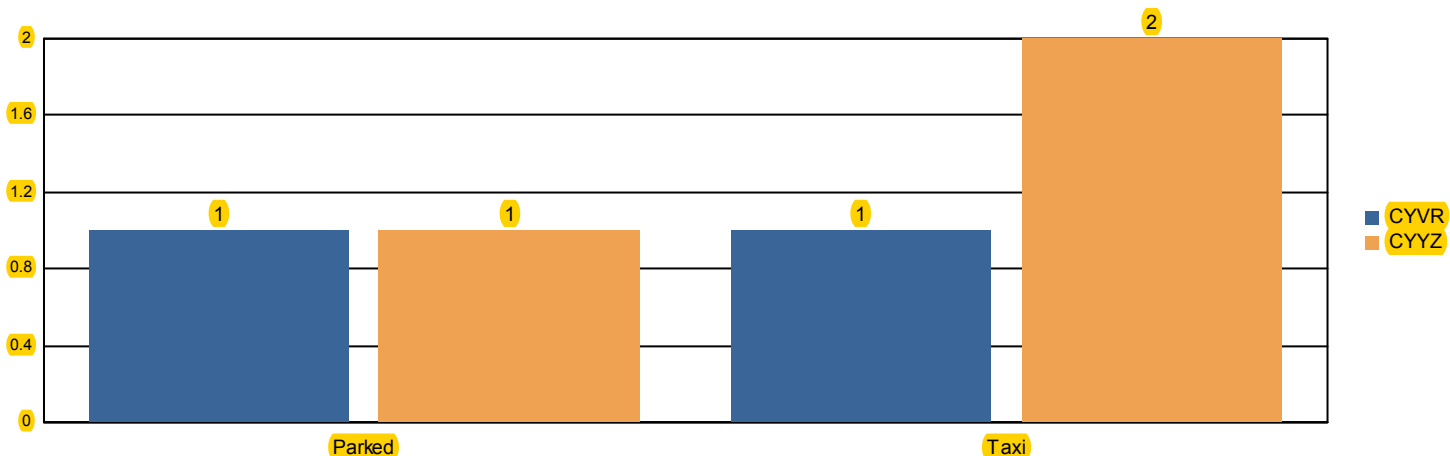
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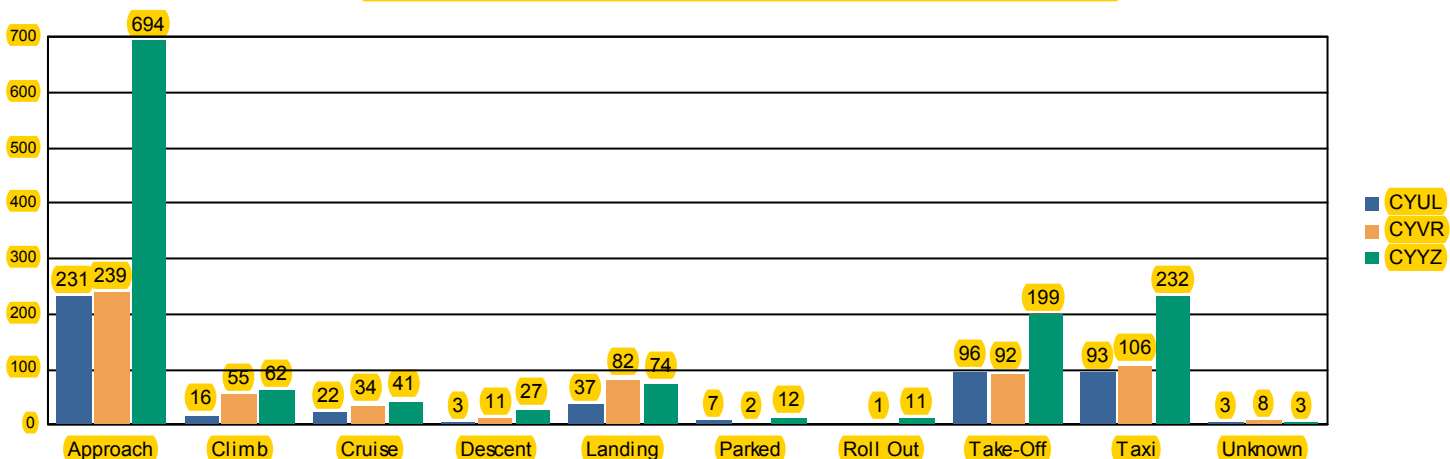
2017

CYVR - Vancouver International Airport  
 CYYZ - Lester B. Pearson International Airport  
 CYUL - Pierre-Elliott-Trudeau Intl Airport

**Number of Aircraft Involved in Accidents by Phase Category**



**Number of Aircraft Involved in Incidents by Phase Category**



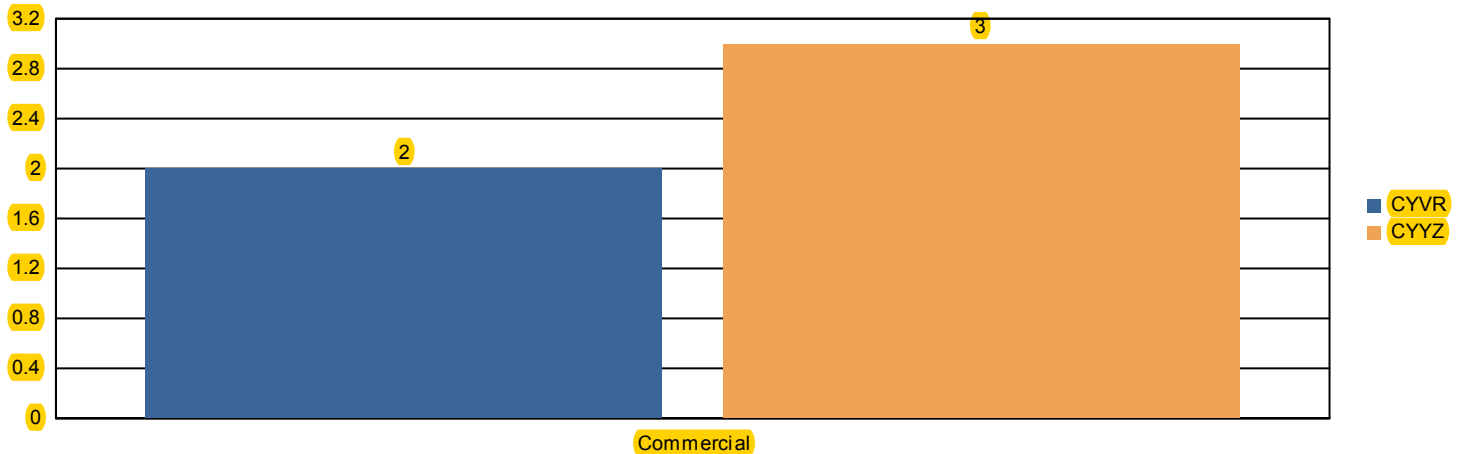
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### 2017

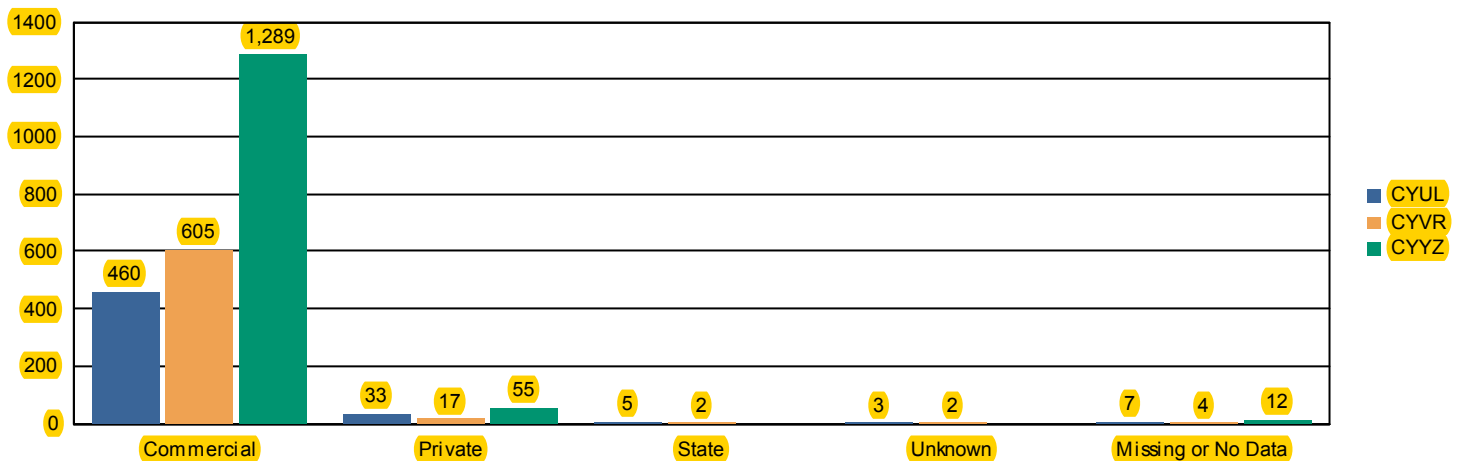
**2017**

CYVR - Vancouver International Airport  
 CYYZ - Lester B. Pearson International Airport  
 CYUL - Pierre-Elliott-Trudeau Intl Airport

**Number of Aircraft Involved in Accidents by Registration Type**



**Number of Aircraft Involved in Incidents by Registration Type**

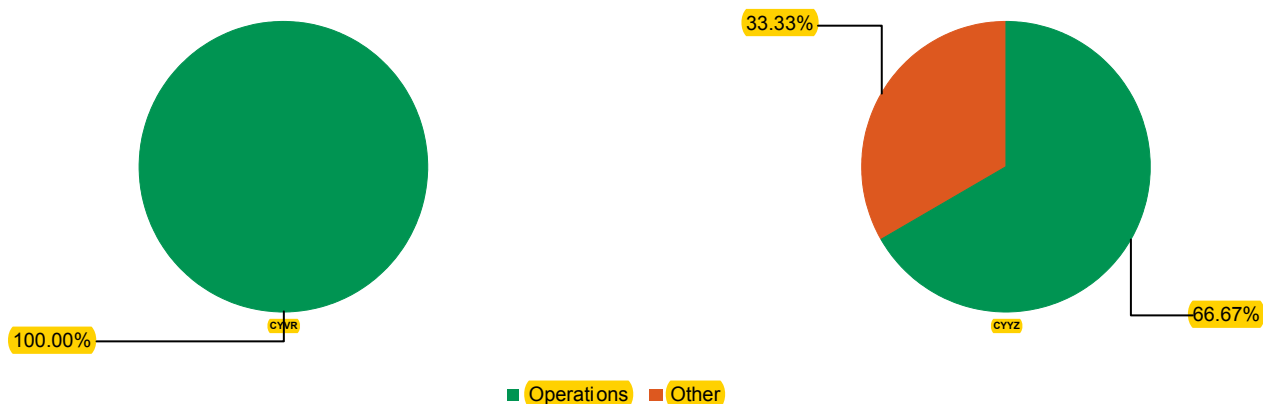


## Aerodrome Detail Report - TC

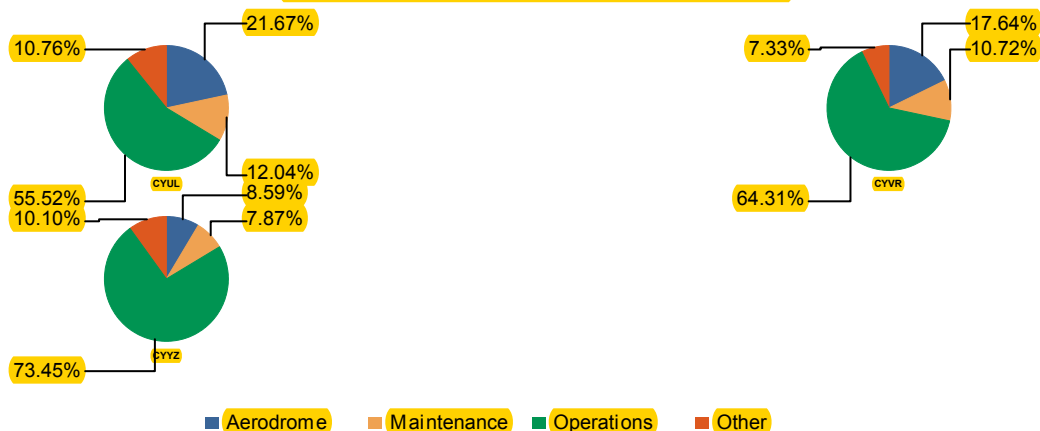
### 2017

**2017**  
 CYVR - Vancouver International Airport  
 CYYZ - Lester B. Pearson International Airport  
 CYUL - Pierre-Elliott-Trudeau Intl Airport

#### Event Categories attributed to Accidents



#### Event Categories attributed to Incidents





## Aerodrome Detail Report - TC

### 2017

**2017**

CYVR - Vancouver International Airport  
CYYZ - Lester B. Pearson International Airport  
CYUL - Pierre-Elliott-Trudeau Intl Airport

#### Number of Events attributed to Accidents

|                          |      | Jan | May | Dec | Total |
|--------------------------|------|-----|-----|-----|-------|
| Collision on ground      | CYVR | 0   | 2   | 0   | 2     |
|                          | CYYZ | 2   | 0   | 0   | 2     |
| Collision with object    | CYYZ | 0   | 0   | 1   | 1     |
| Ground handling services | CYYZ | 1   | 0   | 0   | 1     |
| Navigation error         | CYYZ | 0   | 0   | 1   | 1     |
| Parked aircraft damage   | CYYZ | 1   | 0   | 0   | 1     |
| Wing strike              | CYYZ | 2   | 0   | 0   | 2     |

#### Number of Events attributed to Incidents

|                                                 |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Aerodrome - other                               | CYUL | 0   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 5     |
|                                                 | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
|                                                 | CYYZ | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 4     |
| Aerodrome - power failure                       | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Aerodrome - runway or taxiway surface condition | CYUL | 9   | 3   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 15    |
|                                                 | CYVR | 1   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4     |
|                                                 | CYYZ | 0   | 4   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 11    |



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|                                                  |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|--------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Aerodrome - visual aids                          | CYUL | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 2   | 2   | 0   | 0   | 0   | 5     |
|                                                  | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1     |
|                                                  | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Aerodrome noise                                  | CYUL | 0   | 1   | 2   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 8     |
|                                                  | CYYZ | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 3     |
| Aerodrome, runway or taxiway shutdown            | CYUL | 2   | 1   | 4   | 9   | 6   | 3   | 7   | 12  | 7   | 5   | 5   | 10  | 71    |
|                                                  | CYVR | 6   | 10  | 9   | 5   | 5   | 5   | 6   | 5   | 2   | 6   | 15  | 2   | 76    |
|                                                  | CYYZ | 3   | 4   | 6   | 2   | 9   | 3   | 4   | 4   | 3   | 3   | 3   | 4   | 48    |
| Aircraft navigation/communication equipment      | CYUL | 0   | 1   | 0   | 1   | 1   | 1   | 0   | 0   | 1   | 0   | 1   | 0   | 6     |
|                                                  | CYVR | 0   | 0   | 1   | 1   | 1   | 0   | 1   | 0   | 1   | 0   | 1   | 1   | 7     |
|                                                  | CYYZ | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| Animal strike (or risk of collision with animal) | CYUL | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 4     |
|                                                  | CYVR | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 2     |
|                                                  | CYYZ | 0   | 0   | 1   | 3   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 6     |
| ATM - ILS irregularity                           | CYUL | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                                  | CYVR | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 4     |
|                                                  | CYYZ | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| ATM - inaccurate aeronautical information        | CYUL | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                                  | CYVR | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |



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|                                           |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| ATM - inaccurate aeronautical information | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
| ATM - NAVAIDS/radar                       | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                           | CYVR | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
|                                           | CYYZ | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 2     |
| ATM - operations                          | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1     |
| ATM - other                               | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1     |
|                                           | CYVR | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| ATS operating irregularity                | CYUL | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                           | CYVR | 0   | 0   | 0   | 2   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
|                                           | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 1   | 3     |
| Bird presence                             | CYVR | 1   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 4     |
|                                           | CYYZ | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| Bird strike                               | CYUL | 0   | 0   | 8   | 4   | 8   | 3   | 8   | 13  | 7   | 4   | 2   | 6   | 63    |
|                                           | CYVR | 7   | 10  | 10  | 4   | 3   | 3   | 13  | 17  | 8   | 6   | 19  | 4   | 104   |
|                                           | CYYZ | 2   | 5   | 9   | 3   | 10  | 13  | 9   | 12  | 11  | 11  | 8   | 2   | 95    |
| Blown tire/wheel failure                  | CYUL | 1   | 0   | 0   | 4   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 7     |
|                                           | CYVR | 1   | 0   | 1   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 4     |
|                                           | CYYZ | 1   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 4     |
| Brakes - frozen                           | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |



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|                                                          |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|----------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Brakes - other                                           | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 2   | 0   | 4     |
|                                                          | CYVR | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 1   | 0   | 0   | 4     |
|                                                          | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 2     |
| Brakes - overheated                                      | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 2     |
|                                                          | CYVR | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                                          | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 2     |
| Class F airspace violation                               | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| Collision on ground with aircraft                        | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 2     |
| Collision with object                                    | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1     |
| Communication error                                      | CYUL | 3   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 5     |
|                                                          | CYVR | 0   | 1   | 0   | 1   | 2   | 1   | 2   | 1   | 0   | 1   | 0   | 1   | 10    |
|                                                          | CYYZ | 1   | 0   | 1   | 2   | 3   | 1   | 0   | 2   | 0   | 0   | 0   | 0   | 10    |
| Communication navigation surveillance/air traffic system | CYUL | 1   | 1   | 0   | 2   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 1   | 7     |
|                                                          | CYVR | 0   | 0   | 1   | 0   | 0   | 2   | 0   | 2   | 0   | 3   | 1   | 2   | 11    |
|                                                          | CYYZ | 0   | 1   | 1   | 5   | 4   | 1   | 3   | 2   | 0   | 2   | 0   | 1   | 20    |
| Conflict - IFR & VFR                                     | CYVR | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| Conflict - loss of separation                            | CYUL | 0   | 0   | 2   | 2   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 8     |
|                                                          | CYVR | 0   | 0   | 0   | 6   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 8     |
|                                                          | CYYZ | 0   | 4   | 0   | 2   | 0   | 0   | 4   | 2   | 0   | 4   | 0   | 2   | 18    |



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|                                          |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Conflict - potential                     | CYVR | 2   | 0   | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 6     |
|                                          | CYYZ | 2   | 0   | 2   | 0   | 4   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 12    |
| Controlled airspace - unauthorized entry | CYUL | 0   | 0   | 1   | 1   | 1   | 2   | 3   | 0   | 0   | 1   | 0   | 0   | 9     |
|                                          | CYVR | 0   | 0   | 0   | 1   | 0   | 1   | 2   | 0   | 0   | 1   | 0   | 0   | 5     |
|                                          | CYYZ | 1   | 0   | 1   | 5   | 2   | 1   | 0   | 0   | 1   | 2   | 0   | 0   | 13    |
| Crew incapacitation                      | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 2     |
|                                          | CYVR | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 4     |
|                                          | CYYZ | 1   | 0   | 2   | 3   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 7     |
| Declared emergency/priority              | CYUL | 0   | 2   | 1   | 0   | 0   | 3   | 3   | 3   | 0   | 0   | 2   | 2   | 16    |
|                                          | CYVR | 1   | 6   | 2   | 2   | 2   | 2   | 3   | 4   | 2   | 5   | 4   | 1   | 34    |
|                                          | CYYZ | 7   | 4   | 7   | 8   | 7   | 3   | 4   | 3   | 3   | 2   | 2   | 2   | 52    |
| Decompression/pressurization             | CYUL | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                          | CYVR | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 3     |
|                                          | CYYZ | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Disruptive passenger                     | CYUL | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                          | CYVR | 0   | 2   | 0   | 0   | 0   | 0   | 3   | 0   | 3   | 4   | 0   | 2   | 14    |
|                                          | CYYZ | 0   | 2   | 2   | 1   | 2   | 0   | 2   | 3   | 3   | 1   | 3   | 2   | 21    |
| Diversion                                | CYUL | 5   | 4   | 2   | 0   | 1   | 1   | 4   | 1   | 0   | 0   | 0   | 1   | 19    |
|                                          | CYVR | 2   | 8   | 2   | 3   | 4   | 3   | 1   | 2   | 1   | 6   | 5   | 3   | 40    |



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|                                  |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|----------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Diversion                        | CYYZ | 6   | 2   | 5   | 4   | 5   | 2   | 2   | 3   | 3   | 2   | 2   | 4   | 40    |
| Door/canopy openings indications | CYUL | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 3     |
|                                  | CYVR | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 2     |
| Electrical problem               | CYUL | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                  | CYVR | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 2     |
|                                  | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 3     |
| ELT                              | CYUL | 1   | 0   | 1   | 1   | 1   | 2   | 2   | 1   | 3   | 1   | 0   | 0   | 13    |
|                                  | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 2   | 4     |
|                                  | CYYZ | 2   | 1   | 0   | 1   | 0   | 1   | 0   | 0   | 3   | 2   | 1   | 2   | 13    |
| Engine - malfunction             | CYUL | 0   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 5     |
|                                  | CYVR | 1   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 7     |
|                                  | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 3     |
| Engine failure                   | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 2     |
|                                  | CYVR | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Engine oil problem               | CYUL | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                  | CYVR | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                  | CYYZ | 0   | 1   | 2   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 4     |
| Engine shut down                 | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 2     |
|                                  | CYVR | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 1   | 4     |



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|                                                                      |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|----------------------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Engine shut down                                                     | CYYZ | 0   | 1   | 1   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 4     |
| Evacuation (aircraft)                                                | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 2     |
|                                                                      | CYVR | 2   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
| False indication warning                                             | CYUL | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                                                      | CYVR | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 3     |
|                                                                      | CYYZ | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 2     |
| False warning - smoke or fire                                        | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 2     |
| Fire - aircraft (cockpit, cargo or passenger area)                   | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
|                                                                      | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Fire - engine                                                        | CYUL | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                                                      | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| Flight control systems (ailerons, rudder, rotors, flaps, main, tail) | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 1   | 2   | 1   | 8     |
|                                                                      | CYVR | 1   | 0   | 1   | 0   | 0   | 2   | 2   | 0   | 0   | 0   | 0   | 1   | 7     |
|                                                                      | CYYZ | 4   | 1   | 5   | 3   | 0   | 2   | 3   | 2   | 0   | 0   | 1   | 1   | 22    |
| Flight instrument failure                                            | CYYZ | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 3     |
| Flight plan – activation                                             | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                                                      | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 3     |
|                                                                      | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
| Flight plan – information                                            | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |



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|                             |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-----------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Flight plan – information   | CYVR | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   | 2   | 4     |
|                             | CYYZ | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| FOD (foreign object debris) | CYUL | 0   | 0   | 4   | 7   | 1   | 1   | 3   | 2   | 5   | 5   | 0   | 3   | 31    |
|                             | CYVR | 4   | 5   | 1   | 0   | 2   | 4   | 2   | 2   | 0   | 4   | 3   | 0   | 27    |
|                             | CYYZ | 2   | 1   | 3   | 3   | 5   | 5   | 4   | 4   | 2   | 5   | 1   | 3   | 38    |
| Fuel - dumping              | CYUL | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                             | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
|                             | CYYZ | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 2     |
| Fuel - leak                 | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1     |
| Fuel - low/declared minimum | CYUL | 0   | 1   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 4     |
|                             | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
|                             | CYYZ | 0   | 1   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 5     |
| Fuel - other                | CYVR | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 3     |
| Ground handling services    | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1     |
|                             | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
|                             | CYYZ | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Hydraulic problem           | CYUL | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 3     |
|                             | CYVR | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2   | 1   | 2   | 2   | 0   | 9     |
|                             | CYYZ | 0   | 0   | 1   | 1   | 3   | 0   | 1   | 0   | 0   | 2   | 0   | 0   | 8     |



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|                                                      |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Incursion - manoeuvring area                         | CYUL | 1   | 1   | 1   | 3   | 3   | 0   | 1   | 0   | 4   | 5   | 1   | 0   | 20    |
|                                                      | CYVR | 1   | 6   | 4   | 5   | 7   | 4   | 5   | 2   | 0   | 1   | 3   | 6   | 44    |
|                                                      | CYYZ | 1   | 0   | 0   | 2   | 6   | 1   | 0   | 1   | 1   | 0   | 1   | 0   | 13    |
| Incursion - runway - aircraft                        | CYUL | 3   | 4   | 4   | 4   | 1   | 0   | 0   | 2   | 1   | 0   | 1   | 3   | 23    |
|                                                      | CYVR | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 2   | 5     |
|                                                      | CYYZ | 1   | 1   | 2   | 3   | 0   | 2   | 1   | 3   | 0   | 0   | 1   | 1   | 15    |
| Incursion - runway - animal                          | CYUL | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 4     |
|                                                      | CYVR | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 3     |
|                                                      | CYYZ | 0   | 0   | 1   | 2   | 1   | 0   | 1   | 1   | 0   | 1   | 0   | 1   | 8     |
| Incursion - runway - vehicle                         | CYUL | 0   | 0   | 0   | 2   | 0   | 0   | 1   | 0   | 0   | 2   | 2   | 1   | 8     |
|                                                      | CYYZ | 0   | 1   | 0   | 1   | 3   | 0   | 0   | 1   | 0   | 1   | 0   | 2   | 9     |
| Landing gear                                         | CYUL | 3   | 0   | 0   | 0   | 2   | 1   | 2   | 1   | 1   | 1   | 2   | 1   | 14    |
|                                                      | CYVR | 3   | 5   | 2   | 0   | 0   | 1   | 0   | 1   | 2   | 3   | 3   | 0   | 20    |
|                                                      | CYYZ | 6   | 1   | 1   | 3   | 1   | 1   | 2   | 3   | 0   | 0   | 1   | 5   | 24    |
| Laser interference                                   | CYUL | 0   | 0   | 1   | 8   | 2   | 1   | 3   | 4   | 5   | 1   | 3   | 0   | 28    |
|                                                      | CYVR | 1   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 3     |
|                                                      | CYYZ | 2   | 1   | 0   | 1   | 0   | 0   | 1   | 2   | 1   | 4   | 4   | 0   | 16    |
| Loss of control - inflight                           | CYVR | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Mechanical/technical malfunction of aircraft - other | CYUL | 1   | 1   | 2   | 2   | 5   | 0   | 1   | 1   | 1   | 0   | 6   | 2   | 22    |



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|                                                      |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Mechanical/technical malfunction of aircraft - other | CYVR | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 1   | 5     |
|                                                      | CYYZ | 3   | 0   | 2   | 2   | 0   | 0   | 3   | 0   | 1   | 0   | 0   | 1   | 12    |
| Medical emergency                                    | CYVR | 0   | 1   | 0   | 1   | 0   | 2   | 1   | 1   | 0   | 0   | 0   | 1   | 7     |
|                                                      | CYYZ | 7   | 2   | 2   | 2   | 2   | 2   | 1   | 2   | 1   | 4   | 4   | 2   | 31    |
| Navigation error                                     | CYUL | 3   | 2   | 5   | 4   | 6   | 3   | 1   | 1   | 1   | 3   | 1   | 0   | 30    |
|                                                      | CYVR | 6   | 6   | 12  | 6   | 6   | 2   | 5   | 0   | 0   | 3   | 4   | 5   | 55    |
|                                                      | CYYZ | 6   | 4   | 5   | 12  | 12  | 5   | 4   | 4   | 2   | 5   | 1   | 1   | 61    |
| Not Applicable                                       | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
|                                                      | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
|                                                      | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| Other operational incident                           | CYUL | 1   | 0   | 0   | 0   | 1   | 1   | 1   | 2   | 0   | 1   | 2   | 1   | 10    |
|                                                      | CYVR | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 1   | 2   | 0   | 0   | 1   | 9     |
|                                                      | CYYZ | 3   | 2   | 0   | 2   | 3   | 1   | 0   | 0   | 1   | 2   | 0   | 0   | 14    |
| Overshoot/missed approach                            | CYUL | 30  | 20  | 18  | 13  | 15  | 6   | 15  | 22  | 9   | 9   | 18  | 17  | 192   |
|                                                      | CYVR | 12  | 21  | 8   | 19  | 17  | 20  | 18  | 18  | 10  | 9   | 14  | 12  | 178   |
|                                                      | CYYZ | 50  | 46  | 43  | 50  | 54  | 50  | 59  | 66  | 53  | 33  | 24  | 57  | 585   |
| Parked aircraft damage                               | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| Part or pieces separate from an aircraft             | CYUL | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2     |
| Rejected take-off                                    | CYUL | 4   | 3   | 3   | 3   | 8   | 0   | 2   | 4   | 3   | 1   | 7   | 5   | 43    |



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|                                                 |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Rejected take-off                               | CYVR | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 2   | 5     |
|                                                 | CYYZ | 3   | 0   | 1   | 3   | 7   | 6   | 0   | 4   | 2   | 1   | 3   | 1   | 31    |
| Runway excursion                                | CYYZ | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Security acts                                   | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
| Smoke/fumes - aircraft                          | CYUL | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 2     |
|                                                 | CYVR | 2   | 0   | 0   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 2   | 1   | 8     |
|                                                 | CYYZ | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 1   | 1   | 0   | 0   | 1   | 8     |
| Tail strike                                     | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
| Take-off without clearance                      | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| TCAS alert                                      | CYUL | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 2     |
|                                                 | CYVR | 0   | 2   | 3   | 3   | 1   | 0   | 0   | 1   | 0   | 1   | 2   | 1   | 14    |
|                                                 | CYYZ | 1   | 1   | 2   | 2   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 9     |
| Wake turbulence/vortices                        | CYUL | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
|                                                 | CYVR | 2   | 1   | 0   | 0   | 6   | 4   | 1   | 2   | 2   | 2   | 1   | 2   | 23    |
|                                                 | CYYZ | 1   | 3   | 2   | 4   | 5   | 1   | 0   | 5   | 3   | 8   | 7   | 1   | 40    |
| Weather - clear air turbulence (CAT)/turbulence | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                                 | CYYZ | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Weather - icing                                 | CYUL | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Weather - lightning                             | CYVR | 0   | 1   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |



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|                                             |      | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|---------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Weather - other                             | CYUL | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
|                                             | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
|                                             | CYYZ | 0   | 0   | 0   | 1   | 3   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 7     |
| Weather - precipitation                     | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 2     |
| Weather - visibility                        | CYUL | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
|                                             | CYYZ | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Weather - wind                              | CYUL | 5   | 1   | 2   | 2   | 1   | 0   | 0   | 5   | 0   | 1   | 4   | 0   | 21    |
|                                             | CYVR | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 3     |
|                                             | CYYZ | 0   | 4   | 0   | 3   | 1   | 0   | 0   | 0   | 1   | 2   | 0   | 1   | 12    |
| Weather - wind shear                        | CYUL | 1   | 1   | 0   | 0   | 1   | 0   | 4   | 1   | 0   | 0   | 0   | 1   | 9     |
|                                             | CYVR | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
|                                             | CYYZ | 1   | 6   | 5   | 3   | 2   | 5   | 0   | 0   | 1   | 2   | 0   | 0   | 25    |
| Weather balloon, meteor, rocket, CIRVIS/UFO | CYVR | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
|                                             | CYYZ | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Windshield/window (aircraft)                | CYUL | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| Wing strike                                 | CYYZ | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 2     |