



## Service bulletin

# Aircraft Movement Statistics, Monthly

July 2007



**Transport Canada, TP 1496, ASC-SB-343**

### **Airports with NAV CANADA Air Traffic Control Towers**

The 42 Canadian airports with NAV CANADA air traffic control towers reported 481,756 aircraft take-offs and landings in July, up 9.2% compared with July 2006 (441,021 movements). This marked the fourteenth consecutive increase in year-over-year monthly comparisons. Year-over-year increases in aircraft movements were reported by 34 of these airports in July 2007. The variations ranged from 81.7% for Moncton/Greater Moncton International to -23.4% for Montréal/Mirabel International.

Itinerant movements (flights from one airport to another) increased by 5.4% (+17,094 movements) in July 2007 compared with the same month a year earlier. Local movements (flights that remain in the vicinity of the airport) increased by 18.6% (+23,641 movements) in July 2007 compared with July 2006.

In terms of itinerant movements, the year-over-year variations for July ranged from a 48.7% increase (+2,105 movements) for Moncton/Greater Moncton International to a decline of 13.1% (-266 movements) for Montréal/Mirabel International. Thirty-three airports recorded increases in itinerant movements compared to 28 airports in June 2007.

In terms of local movements, the year-over-year variations for July ranged from a 147.9% increase (+3,182 movements) for Moncton/Greater Moncton International to a 49.6% decrease (-392 movements) for Montréal/Mirabel International. Twenty-four airports recorded increases in local movements compared to 26 airports in June 2007.

The data in this bulletin represent preliminary monthly statistics for airports with NAV CANADA air traffic control towers.

More detailed statistics for airports with NAV CANADA air traffic control towers and flight service stations will be released in the *Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations*, Vol. 1, (51-007-XWE, free). Statistics for airports without air traffic control towers will appear in TP 141 – Volume 2. Upon release, the TP141 report is available (free) on-line at <http://www.tc.gc.ca/pol/en/report/tp141e/tp141.htm>.

For more information, or to enquire about the concepts, methods or data quality of this release, contact Aviation Statistics Centre, Statistics Canada (1-866-500-8400; fax: 613-951-0010). Internet: [aviationstatistics@statcan.ca](mailto:aviationstatistics@statcan.ca).



## Statistical table

Table 1

Aircraft movements by class of operation, airports with NAV CANADA towers, July 2007 p

|   | Total 2006     | Total 2007     | Percentage<br>change<br>2007 to 2006 | Itinerant      | Local          |
|---|----------------|----------------|--------------------------------------|----------------|----------------|
|   | number         |                | percent                              | number         |                |
| <b>Airports</b>                                   |                |                |                                      |                |                |
| Abbotsford  | 12,774         | 13,384         | 4.8                                  | 6,006          | 7,378          |
| Boundary Bay                                      | 18,051         | 19,255         | 6.7                                  | 8,125          | 11,130         |
| Calgary International                             | 21,900         | 22,514         | 2.8                                  | 22,136         | 378            |
| Calgary/Springbank                                | 14,720         | 15,442         | 4.9                                  | 7,009          | 8,433          |
| Chicoutimi/St-Honoré                              | 7,352          | 6,560          | -10.8                                | 2,599          | 3,961          |
| Edmonton City Centre                              | 7,612          | 7,629          | 0.2                                  | 6,328          | 1,301          |
| Edmonton International                            | 10,314         | 11,084         | 7.5                                  | 10,784         | 300            |
| Edmonton/Villeneuve                               | 4,344          | 5,989          | 37.9                                 | 1,659          | 4,330          |
| Gander International                              | 4,534          | 6,463          | 42.5                                 | 3,295          | 3,168          |
| Halifax/Robert L. Stanfield International         | 7,936          | 8,635          | 8.8                                  | 8,137          | 498            |
| Hamilton  | 7,230          | 6,978          | -3.5                                 | 4,116          | 2,862          |
| Kelowna   | 7,821          | 8,835          | 13.0                                 | 5,191          | 3,644          |
| Kitchener/Waterloo                                | 12,826         | 15,361         | 19.8                                 | 6,047          | 9,314          |
| Langley   | 7,002          | 9,515          | 35.9                                 | 3,959          | 5,556          |
| London  | 9,887          | 11,065         | 11.9                                 | 6,087          | 4,978          |
| Moncton/Greater Moncton International             | 6,469          | 11,756         | 81.7                                 | 6,423          | 5,333          |
| Montréal/Mirabel International                    | 2,813          | 2,155          | -23.4                                | 1,757          | 398            |
| Montréal/Pierre Elliott Trudeau International     | 18,755         | 19,732         | 5.2                                  | 19,732         | 0              |
| Montréal/St-Hubert                                | 16,651         | 13,729         | -17.5                                | 6,318          | 7,411          |
| Oshawa  | 9,100          | 8,834          | -2.9                                 | 3,506          | 5,328          |
| Ottawa/Macdonald-Cartier International            | 12,503         | 15,805         | 26.4                                 | 10,705         | 5,100          |
| Pitt Meadows                                      | 10,179         | 12,317         | 21.0                                 | 4,545          | 7,772          |
| Prince George                                     | 3,752          | 3,558          | -5.2                                 | 2,944          | 614            |
| Québec/Jean Lesage International                  | 10,199         | 11,443         | 12.2                                 | 7,949          | 3,494          |
| Regina International                              | 5,546          | 8,540          | 54.0                                 | 5,067          | 3,473          |
| Saskatoon/John G. Diefenbaker International       | 7,505          | 9,707          | 29.3                                 | 5,953          | 3,754          |
| Sault Ste. Marie                                  | 4,335          | 5,377          | 24.0                                 | 3,046          | 2,331          |
| St. John's International                          | 4,395          | 4,042          | -8.0                                 | 3,722          | 320            |
| St-Jean   | 10,664         | 10,739         | 0.7                                  | 10,147         | 592            |
| Sudbury   | 3,555          | 3,712          | 4.4                                  | 2,911          | 801            |
| Thunder Bay                                       | 8,429          | 9,737          | 15.5                                 | 6,203          | 3,534          |
| Toronto/Buttonville Municipal                     | 14,302         | 18,131         | 26.8                                 | 8,579          | 9,552          |
| Toronto/City Centre                               | 9,453          | 9,744          | 3.1                                  | 5,215          | 4,529          |
| Toronto/Lester B. Pearson International           | 37,040         | 37,739         | 1.9                                  | 37,739         | 0              |
| Vancouver Harbour                                 | 6,819          | 7,003          | 2.7                                  | 7,003          | 0              |
| Vancouver International                           | 32,633         | 32,814         | 0.6                                  | 32,814         | 0              |
| Victoria International                            | 14,165         | 16,059         | 13.4                                 | 10,084         | 5,975          |
| Whitehorse International                          | 3,063          | 3,333          | 8.8                                  | 2,603          | 730            |
| Windsor   | 2,617          | 3,331          | 27.3                                 | 2,017          | 1,314          |
| Winnipeg/James Armstrong Richardson International | 12,996         | 13,821         | 6.3                                  | 12,703         | 1,118          |
| Winnipeg/St. Andrews                              | 12,215         | 13,575         | 11.1                                 | 4,513          | 9,062          |
| Yellowknife                                       | 6,565          | 6,314          | -3.8                                 | 5,500          | 814            |
| <b>Total (42)</b>                                 | <b>441,021</b> | <b>481,756</b> | <b>9.2</b>                           | <b>331,176</b> | <b>150,580</b> |



## Data quality, concepts and methodology

### Data source and methodology

Aircraft Movement Statistics are accumulated from data originating with air traffic control tower units. Because staff in these units are highly trained in factual observation and actual reporting, the entries into the data base are of a very high quality. To maintain uniformity in the reporting of source data, the Aviation Statistics Centre (ASC) issues air traffic control units with an "Air Traffic Designators" handbook (TP-143) showing the official Transport Canada aircraft type designators and the designators of various domestic and international air carriers. Data errors caused during transcription and transmission on the NAV CANADA Aircraft Movement Statistics (NCAMS) network are identified as part of the built-in editing procedures. Furthermore, extensive editing cycles are part of the computer processing programs. All identified errors are manually corrected by ASC editing staff.

### Collection

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Greenwich Mean Time (GMT); however, published statistics are shown in local times. The records are transmitted electronically to the Aviation Statistics Centre (ASC). The Aviation Statistics Centre maintains a data bank of current information on all registered aircraft. The storage of this information allows for a reduction in the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents. The data in the bank include registered aircraft identifications and their corresponding aircraft types, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. The data also provide a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place. The data bank also includes an Airport file against which the airport category is checked; the reported runway is validated and the time difference between GMT and local is allocated.



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### Symbols

The following standard symbols are used in Statistics Canada publications:

|                |  |
|----------------|--|
| .              | not available for any reference period   |
| ..             | not available for a specific reference period  |
| ...            | not applicable   |
| 0              | true zero or a value rounded to zero   |
| 0 <sup>s</sup> | value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded |
| p              | preliminary  |
| r              | revised  |
| x              | suppressed to meet the confidentiality requirements of the <i>Statistics Act</i>                                   |
| E              | use with caution   |
| F              | too unreliable to be published   |

### Information to access the product

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### Note of appreciation

Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.