



# Aircraft movement statistics

Transport Canada

TP 1496

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## ASC-SB-319

### Aircraft Movement Statistics September 2005 (Preliminary)

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

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

The 42 Canadian airports with NAV CANADA air traffic control towers reported 393,904 aircraft take-offs and landings in September, down 1.0% compared with September 2004 (398,083 movements). Year-over-year decreases in aircraft movements were reported by 21 of the airports in September 2005. The variations ranged from 66.5% at Winnipeg/St Andrews to -43.6% at Montréal/St-Hubert.

Itinerant movements (flights from one airport to another) increased by 1.0% (+2,877 movements) in September compared with the same month a year earlier. Local movements (flights that remain in the vicinity of the airport) decreased by 6.0% (-7,056 movements) in September compared with September 2004.

The top 10 airports in terms of volumes of itinerant movements in September showed year-over-year variations ranging from a 34.3% increase (+2,097 movements) at Boundary Bay to a decline of 16.6% (-1,492 movements) at Toronto/Buttonville Municipal. Of the top 10 airports, 7 recorded increases in itinerant movements compared with 8 airports in August 2005.

The top 10 airports in terms of local movements showed year-over-year variations ranging from a 110.7% increase (+3,054 movements) at Winnipeg/St. Andrews to a decline of 49.3% (-4,708 movements) at Montréal/St-Hubert. Of the top 10 airports, 3 recorded increases in local movements compared with 6 airports in August 2005.

More detailed statistics for airports with NAV CANADA air traffic control towers and flight service stations will be released in the Aircraft Movement Statistics monthly report (TP141 - Volume 1). Statistics for airports without air traffic control towers will appear in TP 141 - Volume 2. Upon release, the TP141 reports are available (free) on-line at <http://www.tc.gc.ca/pol/en/Report/tp141e/tp141.htm>

For further information concerning this bulletin, please contact Aviation Statistics Centre, Statistics Canada (1-866-500-8400). Internet: [aviationstatistics@statcan.ca](mailto:aviationstatistics@statcan.ca)

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#### Note of appreciation

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**Aircraft Movements by Class of Operation - September - Preliminary, Airports with NAV CANADA Towers**

Airports	2004 Total	2005 Total	% change 2005 / 2004	2005 Itinerant	2005 Local
Abbotsford	12,025	11,524	-4.2	5,038	6,486
Boundary Bay	16,182	20,225	25.0	8,213	12,012
Calgary International	18,778	19,739	5.1	19,446	293
Calgary/Springbank	9,964	9,378	-5.9	4,043	5,335
Chicoutimi/St-Honoré	12,841	11,524	-10.3	3,260	8,264
Edmonton City Centre	5,799	7,038	21.4	6,158	880
Edmonton International	8,747	9,837	12.5	8,787	1,050
Edmonton/Villeneuve	4,778	5,886	23.2	2,361	3,525
Gander International	3,665	3,306	-9.8	2,510	796
Halifax International	9,436	8,880	-5.9	6,897	1,983
Hamilton	7,913	5,220	-34.0	3,653	1,567
Kelowna	5,028	6,075	20.8	4,183	1,892
Kitchener/Waterloo	10,644	9,371	-12.0	4,960	4,411
Langley	7,526	8,070	7.2	3,902	4,168
London	8,822	8,748	-0.8	5,324	3,424
Moncton/Greater Moncton International	5,160	5,516	6.9	3,856	1,660
Montréal/Mirabel International	3,522	2,554	-27.5	1,941	613
Montréal/Pierre Elliott Trudeau International	17,646	18,696	6.0	18,696	0
Montréal/St-Hubert	18,899	10,651	-43.6	5,807	4,844
Oshawa	6,769	5,037	-25.6	2,679	2,358
Ottawa/Macdonald-Cartier International	13,681	13,354	-2.4	10,332	3,022
Pitt Meadows	7,871	9,282	17.9	4,432	4,850
Prince George	3,617	3,651	0.9	2,525	1,126
Québec/Jean Lesage International	10,741	9,769	-9.0	7,489	2,280
Regina International	4,503	5,341	18.6	3,807	1,534
Saskatoon/John G Diefenbaker International	6,997	8,100	15.8	4,938	3,162
Sault Ste. Marie	4,526	5,005	10.6	2,217	2,788
St. John's International	4,635	3,861	-16.7	3,611	250
St-Jean	2,867	2,723	-5.0	1,586	1,137
Sudbury	3,911	3,507	-10.3	2,865	642
Thunder Bay	8,237	6,708	-18.6	5,290	1,418
Toronto/Buttonville Municipal	16,874	14,194	-15.9	7,496	6,698
Toronto/City Centre	7,483	7,079	-5.4	3,745	3,334
Toronto/Lester B Pearson International	35,060	35,964	2.6	35,964	0
Vancouver Harbour	5,627	6,364	13.1	6,336	28
Vancouver International	27,883	28,821	3.4	28,821	0
Victoria International	12,712	13,020	2.4	9,006	4,014
Whitehorse International	1,678	2,008	19.7	1,494	514
Windsor	3,428	3,317	-3.2	2,009	1,308
Winnipeg International	12,030	11,178	-7.1	10,497	681
Winnipeg/St. Andrews	5,426	9,037	66.5	3,225	5,812
Yellowknife	4,152	4,346	4.7	3,772	574
<b>Total (42)</b>	<b>398,083</b>	<b>393,904</b>	<b>-1.0</b>	<b>283,171</b>	<b>110,733</b>

## 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 Environmental file against which the airport category is checked; the reported runway is validated and the time difference between GMT and local is allocated.

## Symbols

- . 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 *Statistics Act*
- E use with caution
- F too unreliable to be published

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