



## Service bulletin

# Aircraft Movement Statistics, Monthly

September 2007



Transport Canada, TP 1496, ASC-SB-345

### Airports with NAV CANADA Air Traffic Control Towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 443,944 aircraft take-offs and landings in September, up 10.8% compared with September 2006 (400,522 movements). This marked the sixteenth consecutive increase in year-over-year monthly comparisons. Year-over-year increases in aircraft movements were reported by 32 of these airports in September 2007. The variations ranged from 88.8% for Gander International to -22.7% for Boundary Bay.

Itinerant movements (flights from one airport to another) increased by 5.1% (+14,493 movements) in September 2007 compared with the same month a year earlier. Local movements (flights that remain in the vicinity of the airport) increased by 24.9% (+28,929 movements) in September 2007 compared with September 2006.

In terms of itinerant movements, the year-over-year variations for September ranged from a 57.6% increase (+1,824 movements) for Toronto/City Centre to a decline of 35.3% (-772 movements) for Edmonton/Villeneuve. Twenty-nine airports recorded increases in itinerant movements compared to 26 airports in August 2007.

In terms of local movements, the year-over-year variations for September ranged from a 254.9% increase (+2,982 movements) for Gander International to a 56.3% decrease (-170 movements) for St. John's International. Twenty-eight airports recorded increases in local movements compared to 26 airports in August 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).

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, September 2007 p

	Total 2006	Total 2007	Percentage change 2007 to 2006	Itinerant	Local
	number		percent	number	
<b>Airports</b>					
Abbotsford	15,764	14,629	-7.2	5,792	8,837
Boundary Bay	21,120	16,323	-22.7	6,849	9,474
Calgary International	20,893	21,202	1.5	20,912	290
Calgary/Springbank	11,719	15,036	28.3	6,299	8,737
Chicoutimi/St-Honoré	10,990	13,383	21.8	3,105	10,278
Edmonton City Centre	7,222	7,650	5.9	6,064	1,586
Edmonton International	10,221	10,496	2.7	10,024	472
Edmonton/Villeneuve	4,988	6,604	32.4	1,416	5,188
Gander International	3,913	7,386	88.8	3,234	4,152
Halifax/Robert L. Stanfield International	8,160	7,879	-3.4	7,082	797
Hamilton	6,087	6,561	7.8	4,113	2,448
Kelowna	6,882	7,054	2.5	4,323	2,731
Kitchener/Waterloo	7,989	11,133	39.4	5,079	6,054
Langley	7,196	8,926	24.0	3,418	5,508
London	7,185	9,548	32.9	5,772	3,776
Moncton/Greater Moncton International	7,081	12,045	70.1	6,295	5,750
Montréal/Mirabel International	2,401	2,264	-5.7	1,664	600
Montréal/Pierre Elliott Trudeau International	18,695	19,699	5.4	19,699	0
Montréal/St-Hubert	12,760	15,258	19.6	7,022	8,236
Oshawa	4,334	5,528	27.5	2,808	2,720
Ottawa/Macdonald-Cartier International	12,466	15,111	21.2	10,600	4,511
Pitt Meadows	10,288	10,331	0.4	3,625	6,706
Prince George	3,500	3,503	0.1	2,443	1,060
Québec/Jean Lesage International	9,487	11,366	19.8	8,442	2,924
Regina International	4,941	5,192	5.1	3,693	1,499
Saskatoon/John G. Diefenbaker International	7,952	9,324	17.3	5,467	3,857
Sault Ste. Marie	4,956	5,901	19.1	2,601	3,300
St. John's International	3,703	3,351	-9.5	3,219	132
St-Jean	2,770	4,001	44.4	2,941	1,060
Sudbury	3,133	2,901	-7.4	2,542	359
Thunder Bay	7,997	6,747	-15.6	5,156	1,591
Toronto/Buttonville Municipal	11,949	18,258	52.8	9,128	9,130
Toronto/City Centre	6,748	9,042	34.0	4,990	4,052
Toronto/Lester B. Pearson International	36,336	36,474	0.4	36,474	0
Vancouver Harbour	6,628	6,231	-6.0	6,229	2
Vancouver International	28,881	28,630	-0.9	28,624	6
Victoria International	13,711	16,239	18.4	8,707	7,532
Whitehorse International	1,870	2,153	15.1	1,612	541
Windsor	2,442	3,752	53.6	2,104	1,648
Winnipeg/James Armstrong Richardson International	12,425	12,052	-3.0	11,080	972
Winnipeg/St. Andrews	7,677	9,488	23.6	3,422	6,066
Yellowknife	5,062	5,293	4.6	4,543	750
<b>Total (42)</b>	<b>400,522</b>	<b>443,944</b>	<b>10.8</b>	<b>298,612</b>	<b>145,332</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.

Release date: October 2007

### 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

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