



Service bulletin

Aircraft Movement Statistics, Annual



2007

Transport Canada TP 1496, ASC-SB-349

Airports with NAV CANADA Air Traffic Control Towers

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

The 42 Canadian airports with NAV CANADA air traffic control towers reported 4.85 million aircraft take-offs and landings in 2007, up 8.4% compared to 2006 (4.48 million). This marks the second consecutive annual increase in total aircraft movements; movements had shown a declining trend since the last peak in 1999 (5.3 million).

Aircraft movements were up at 36 airports in 2007 compared with 2006. Moncton/Greater Moncton International (+61.0%), Gander International (+44.7%) and Windsor (+41.4%) showed the largest year-over-year percentage gains in aircraft movements. Montréal/Mirabel International (-11.7%) and St. John's International (-8.4%) showed the largest year-over-year percentage declines.

Overall, itinerant movements were up by 153,033 movements (+4.8%) in 2007, the fourth consecutive year. The year-over-year variations ranged from an increase of 44.3% for Moncton/Greater Moncton International to a decline of 8.0% for Montréal/Mirabel International. Thirty-three airports recorded increases in itinerant movements in 2007 compared to 23 airports in 2006.

Local movements also increased (17.5%) for the second year. Local movements almost returned to 2002 levels (1.57 million movements). The year-over-year comparisons ranged from an increase of 109.1% for Gander International to a decline of 39.3% for St. John's International. Twenty-nine airports recorded increases in 2007 compared to 21 airports in 2006.

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 – Annual Report*, (51-209-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.



Statistical table

Table 1

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

	Total 2006	Total 2007	Percentage change 2007 to 2006	Itinerant	Local
	number	number	percent	number	
Airports					
Abbotsford	159,822	175,405	9.8	70,256	105,149
Boundary Bay	185,832	193,440	4.1	75,842	117,598
Calgary International	242,807	248,548	2.4	245,559	2,989
Calgary/Springbank	149,311	181,060	21.3	70,009	111,051
Chicoutimi/St-Honoré	72,632	70,701	-2.7	24,720	45,981
Edmonton City Centre	82,590	86,574	4.8	68,705	17,869
Edmonton International	124,983	130,704	4.6	125,313	5,391
Edmonton/Villeneuve	57,876	69,003	19.2	16,920	52,083
Gander International	36,754	53,175	44.7	29,242	23,933
Halifax/Robert L. Stanfield International	86,110	89,250	3.6	80,964	8,286
Hamilton	74,325	70,794	-4.8	44,253	26,541
Kelowna	75,404	90,681	20.3	54,267	36,414
Kitchener/Waterloo	100,149	104,242	4.1	46,836	57,406
Langley	70,068	93,575	33.5	36,700	56,875
London	93,111	96,227	3.3	55,400	40,827
Moncton/Greater Moncton International	77,886	125,414	61.0	68,932	56,482
Montréal/Mirabel International	29,707	26,227	-11.7	20,161	6,066
Montréal/Pierre Elliott Trudeau International	213,483	222,871	4.4	222,871	0
Montréal/St-Hubert	138,938	149,910	7.9	68,052	81,858
Oshawa	65,445	68,551	4.7	29,257	39,294
Ottawa/Macdonald-Cartier International	145,428	165,768	14.0	122,319	43,449
Pitt Meadows	97,450	108,040	10.9	37,476	70,564
Prince George	40,752	42,543	4.4	28,597	13,946
Québec/Jean Lesage International	109,031	119,441	9.5	88,145	31,296
Regina International	58,010	63,688	9.8	44,826	18,862
Saskatoon/John G. Diefenbaker International	87,123	99,226	13.9	62,843	36,383
Sault Ste. Marie	50,359	56,216	11.6	27,421	28,795
St. John's International	43,342	39,708	-8.4	37,208	2,500
St-Jean	37,834	37,401	-1.1	30,713	6,688
Sudbury	35,702	37,610	5.3	31,280	6,330
Thunder Bay	100,154	95,919	-4.2	62,156	33,763
Toronto/Buttonville Municipal	146,772	168,258	14.6	81,231	87,027
Toronto/City Centre	77,581	90,199	16.3	47,678	42,521
Toronto/Lester B. Pearson International	417,378	424,699	1.8	424,699	0
Vancouver Harbour	62,191	63,713	2.4	63,677	36
Vancouver International	322,514	326,026	1.1	325,978	48
Victoria International	145,201	167,771	15.5	96,471	71,300
Whitehorse International	27,525	27,692	0.6	18,779	8,913
Windsor	28,699	40,586	41.4	22,592	17,994
Winnipeg/James Armstrong Richardson International	143,128	151,065	5.5	138,010	13,055
Winnipeg/St. Andrews	96,070	110,843	15.4	39,907	70,936
Yellowknife	65,969	70,699	7.2	55,045	15,654
Total (42)	4,475,446	4,853,463	8.4	3,341,310	1,512,153

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 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: January 2008

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 ^s	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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