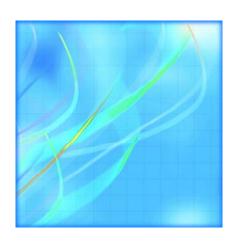
Catalogue no. 51-008-X

# Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)



November 2009



Statistics Canada Statistique Canada



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# Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)

# November 2009

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February 2010

Catalogue no. 51-008-X

ISSN 1911-6330

Frequency: Monthly

Ottawa

Cette publication est également disponible en français.

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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
- 0s 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

# **Acknowledgments**

This publication was prepared by the Aviation Statistics Centre, of the Transportation Division, Statistics Canada under the general direction of Gord Baldwin, Director, Transportation Division and Norah Hillary, Chief, Aviation Statistics Centre. Kathie Davidson, Rose Krakower, John Scolli, Bev Pomfret, Sylvie Savard and Jim Charinos contributed to the preparation of this publication.

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# **Highlights**

Moosonee, Ontario, the most active site for November 2009, represented 5.8% of the total itinerant movements. Moosonee recorded 2,086 take-offs and landings, down 24.5% from November 2008.

Guelph, Ontario recorded the largest gain in local movements, increasing by 1,000 movements (+73.3%) followed by Peterborough, Ontario with +577 movements (89.9%) in November 2009.

Text table 1
Distribution of aircraft movements at airports without control towers with the same period a year ago

	November	November	Percentage	Year-to-date to	otal	Percentage
	2008	2009	change, November 2008 over November 2009	2008	2009	change 2008 over 2009
_	number		percent	number		percent
Total	42,923	49,986	16.5	597,762	580,775	-2.8
Itinerant movements						
Carrier	25,627	25,941	1.2	338,090	303,906	-10.1
Other commercial	1,718	1,924	12.0	23,819	24,574	3.2
Private	2,806	3,672	30.9	49,348	49,841	1.0
Government						
Civil	1,096	1,048	-4.4	15,767	15,736	-0.2
Military	684	782	14.3	13,440	12,118	-9.8
Total	32,334	35,946	11.2	450,410	435,675	-3.3
Local movements						
Civil	8,067	11,052	37.0	115,803	114,190	-1.4
Military	196	187	-4.6	4,749	4,470	-5.9
Total	8,263	11,282	36.5	120,552	119,544	-0.8
Number of airports in the survey	120	130		120	130	

# **Analysis**

In November 2009, the number of take-offs and landings at the 130 airports without air traffic control towers reached 49,986 movements. Year-over-year increases were reported by 71 of these airports in November 2009. Moosonee, Ontario (2,609 movements) followed by Guelph, Ontario (2,364 movements) were the most active sites in November 2009.

There were 35,946 itinerant movements (flights from one airport to another) recorded by 110 airports without air traffic control towers in November 2009. Fifty-seven airports reported year-over-year increases. Moosonee, Ontario, the most active site for November 2009, represented 5.8% of the total itinerant movements. Moosonee recorded 2,086 take-offs and landings, down 24.5% from November 2008.

There were 11,282 local movements (flights that remain in the vicinity of the airport) recorded by 39 airports without air traffic control towers in November 2009. Guelph, Ontario recorded the largest gain in local movements, increasing by 1,000 movements (+73.3%) followed by Peterborough, Ontario with +577 movements (+89.9%) in November 2009.

# **Related products**

# Selected publications from Statistics Canada

51-007-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

# **Selected CANSIM tables from Statistics Canada**

401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly

401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
401-0020	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
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401-0034	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, annual
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401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

# **Selected surveys from Statistics Canada**

2715 Aircraft Movement Statistics

# **Selected summary tables from Statistics Canada**

• Aircraft movements by class of operation (monthly)

# **Statistical tables**

Table 1
Total aircraft movements by class of operation

	Number of days reported for	Total, itinerant and local	Total itinerant	Total local
	current month	movements	movements	movements
		number		
Aklavik, Northwest Territories	24	179	179	0
Akulivik, Quebec Amos Municipal, Quebec	. 22	178 276	178 112	 164
rviat, Nunavut	28	234	234	104
upaluk, Quebec		88	70	18
Baie-Comeau, Quebec	30	683	669	14
Baker Lake, Nunavut	30	349	349	0
arrie-Orillia-Lake Simcoe Regional, Ontario	29	1,957	610	1,347
Sathurst, New Brunswick	29	252	252	C
Beaver Creek, Yukon Berens River, Manitoba	2	4 234	4	C
loodvein River, Manitoba		246	••	• •
rochet, Manitoba		82		•
romont, Quebec	26	414	414	C
Suffalo Narrows, Saskatchewan	28	505	503	2
Cambridge Bay, Nunavut	30	304	292	12
Cape Dorset, Nunavut	21	101	101	C
Charlo, New Brunswick	19 25	45 112	45 112	(
Chesterfield Inlet, Nunavut Chevery, Quebec	25 26	112 275	112 275	(
Chibougamau/Chapais, Quebec	28	379	377	2
Clyde River, Nunavut	22	73	73	C
Comox, British Columbia	30	1,368	1,368	Č
Coral Harbour, Nunavut	28	169	169	C
Cross Lake, Manitoba	••	136	••	
Pauphin, Manitoba	29	368	296	72
Dawson, Yukon Dawson Creek, British Columbia	29 30	173 528	173 486	0 42
Déline, Northwest Territories	25	160	160	42
Digby, Nova Scotia	19	112	112	C
Digby Island, British Columbia	9	20	20	Č
Drummondville, Quebec	26	688	382	306
Oryden Regional, Ontario	30	748	676	72
Iliot Lake Municipal, Ontario	29	513	273	240
ureka, Nunavut	5	10	10	C
aro, Yukon	11	28	28	0
ilin Flon, Manitoba ort Frances Municipal, Ontario	30 30	535 377	523 377	12 0
ort Liard, Northwest Territories	16	100	100	(
ort McPherson, Northwest Territories	13	67	67	Č
ort Resolution, Northwest Territories	5	14	14	Č
ort Simpson, Northwest Territories	30	261	261	0
ort Smith, Northwest Territories	29	347	347	C
Samèti/Rae Lakes, Northwest Territories	25	103	103	(
Gaspé, Quebec	30 28	347 143	347	( 12
Seraldton, Ontario Sjoa Haven, Nunavut	26 25	192	131 192	12
Gods Lake Narrows, Manitoba		133		
Gods River, Manitoba	 	204		
Goose Bay, Newfoundland and Labrador	30	1,837	1,837	(
Frise Fiord, Nunavut	10	17	17	C
Suelph, Ontario	21	2,364	0	2,364
lall Beach, Nunavut	1	1	1	(
lavre St-Pierre, Quebec lay River, Northwest Territories	29 30	540 439	512 437	28 2
learst/René Fontaine Municipal, Ontario	14	43	437	(
ploolik, Nunavut	26	92	92	(
ord, Manitoba		28	<del>-</del> -	
ukjuak, Quebec		243	243	
land Lake, Manitoba	30	1,224	1,224	(
/ujivik, Quebec	-	132	132	
(angiqsualujjuaq, Quebec	•	124 157	124 151	
angiqsujuaq, Quebec angirsuk, Quebec	•	157 173	151 173	•
angirsuk, Quebec apuskasing, Ontario	30	261	261	
Kapuskasing, Ontario Kimmirut, Nunavut	16	47	47	(
Kugaaruk, Nunavut	26	70	70	Č
uuijuarapik, Quebec	30	624	624	(

Table 1 – continued Total aircraft movements by class of operation

	Number of days reported for	Total, itinerant and local	Total itinerant	Total local
	current month	movements	movements	movements
		number		
Lac Brochet, Manitoba		120		
Little Grand Rapids, Manitoba Lourdes-de-Blanc-Sablon, Quebec	30	355 524	 524	0
Lutselk'e, Northwest Territories	29	157	157	0
Mayo, Yukon	18	55	45	10
Moosonee, Ontario	30	2,609	2,086	523
Muskoka, Ontario	30 28	1,019	657	362
Nakina, Ontario Nanisivik, Nunavut	26 15	407 41	401 41	6 0
Natashquan, Quebec	25	266	266	Ö
Norway House, Manitoba	30	332	332	0
Old Crow, Yukon	22	_56	56	0
Oxford House, Manitoba		264		
Pabok, Quebec Pangnirtung, Nunavut	12 28	30 205	30 205	0
Peterborough, Ontario	30	1,875	656	1,219
Pickle Lake, Ontario	30	1,058	1,046	12
Pikwitonei, Manitoba		54	•••	
Pond Inlet, Nunavut	21	72	72	0
Poplar River, Manitoba		190	709	0
Prince Rupert/Seal Cove, British Columbia Pukatawagan, Manitoba	30	798 126	798	U
Puvirnituq, Quebec		472	456	16
Qikiqtarjuaq, Nunavut	24	74	74	0
Quaqtaq, Quebec	-	156	156	••
Quesnel, British Columbia	29	304	294	10
Red Lake, Ontario	30	2,039	1,922	117
Red Sucker Lake, Manitoba Repulse Bay, Nunavut	 25	130 102	102	0
Resolute Bay, Nunavut	26	88	88	0
Rimouski, Quebec	27	322	268	54
Roberval, Quebec	27	327	231	96
Salluit, Quebec		162	162	
Sandspit, British Columbia	30 19	187 76	187 76	0
Sanikiluaq, Nunavut Shamattawa, Manitoba	19	250	76	U
Sherbrooke, Quebec	 26	1,035	335	700
South Indian Lake, Manitoba		54	<del></del>	
St. Anthony, Newfoundland and Labrador	30	403	361	42
St. Augustin, Quebec	20	203	203	0
St. Theresa Point, Manitoba Stephenville, Newfoundland and Labrador	30 28	1,442 120	1,442 120	0
Stony Rapids, Saskatchewan	30	753	751	2
Sydney, Nova Scotia	30	528	500	28
Tadoule Lake, Manitoba	••	106	••	
Taloyoak, Nunavut	29	154	154	0
Tasiujaq, Quebec Teslin, Yukon	. 4	144	144	0
The Pas, Manitoba	30	10 295	10 295	0
Thicket Portage, Manitoba		13		
Tofino, British Columbia	25	235	231	4
Trois-Rivières, Quebec	30	1,779	1,010	769
Ulukhakot/Holman, Northwest Territories	22	68	68	0
Umiujaq, Quebec Waskaganish, Quebec	. 24	170 273	167 231	3 42
Watson Lake, Yukon	23	273 75	75	0
Welland/Niagara Central, Ontario	27	2,206	102	2,104
Wemindji, Quebec	23	134	134	0
Whale Cove, Nunavut	24	97	97	0
Wrigley, Northwest Territories	16	87	87	0
York Landing, Manitoba Yorkton Municipal, Saskatchewan	 30	33 1,037	 589	 448
Total (130)	30	49,986	35,946	11,282

Table 2-1 Itinerant movements by class and type of operation

	Total itinerant		Domestic		International			Government	
	movements -	Carrier	Other commercial	Private	Carrier co	Other ommercial	Private	Civil	Military
				nı	ımber				
Aklavik, Northwest Territories	179	176	3	0	0	0	0	0	0
Akulivik, Quebec	178								
Amos Municipal, Quebec Arviat, Nunavut	112 234	38 231	7 0	59 1	0 0	0 0	0 0	8 2	0
Aupaluk, Quebec	70	201							
Baie-Comeau, Quebec	669	561	0	44	0	0	0	60	4
Baker Lake, Nunavut	349	335		0	0	0	0	8	6
Barrie-Orillia-Lake Simcoe Regional, Ontario	610	283		239	2	0	23	18	2
Bathurst, New Brunswick Beaver Creek. Yukon	252 4	213 2		31 0	0 0	0 0	0 0	8 2	0
Bromont, Quebec	414	33		259	0	0	5	6	3
Buffalo Narrows, Saskatchewan	503	473		8	ő	ő	Ö	21	Ö
Cambridge Bay, Nunavut	292	280		6	0	0	0	2	2
Cape Dorset, Nunavut	101	92		0	0	0	0	9	0
Charlo, New Brunswick	45	18	0	17	0	0	6	4	0
Chesterfield Inlet, Nunavut Chevery, Quebec	112 275	111 261	0 7	0 5	0 0	0 0	0 0	1 2	0
Chibougamau/Chapais, Quebec	377	333		25	1	0	0	12	0
Clyde River, Nunavut	73	72		1	Ö	ő	ŏ	0	Ö
Comox, British Columbia	1,368	968		6	9	2	3	17	359
Coral Harbour, Nunavut	169	147	6	4	0	0	0	8	4
Dauphin, Manitoba	296	125		52	0	0	1	23	61
Dawson, Yukon Dawson Creek. British Columbia	173 486	143 353	0 15	28 98	0 2	0 0	0 0	2 18	0
Déline. Northwest Territories	160	149		1	0	0	0	10	0
Digby, Nova Scotia	112	25		80	ő	ő	1	4	Ö
Digby Island, British Columbia	20	20		0	Ō	Ō	0	0	Ö
Drummondville, Quebec	382	77	45	255	0	0	1	0	4
Dryden Regional, Ontario	676	592		35	1	0	1	21	18
Elliot Lake Municipal, Ontario	273	176		31	0	0	0	2 0	0
Eureka, Nunavut Faro, Yukon	10 28	4 17	0 7	0 4	0 0	0 0	0	0	6
Flin Flon, Manitoba	523	445		29	0	0	0	49	0
Fort Frances Municipal, Ontario	377	345		23	2	ő	5	0	Ö
Fort Liard, Northwest Territories	100	90		2	0	0	0	2	0
Fort McPherson, Northwest Territories	67	65		0	0	0	0	2	C
Fort Resolution, Northwest Territories	14	12		0	0	0	0	2	0
Fort Simpson, Northwest Territories Fort Smith, Northwest Territories	261 347	236 333	11 2	4 2	0 0	0 0	0	10 10	0
Gamèti/Rae Lakes, Northwest Territories	103	91	0	0	0	0	0	12	C
Gaspé, Quebec	347	287	2	7	ő	ő	Ö	49	2
Geraldton, Ontario	131	65	38	18	0	0	0	10	0
Gjoa Haven, Nunavut	192	189		_1	0	0	0	0	2
Goose Bay, Newfoundland and Labrador	1,837	1,282		70	87	40	126	66	109
Grise Fiord, Nunavut Hall Beach, Nunavut	17 1	17 1	0	0 0	0 0	0 0	0 0	0	C
Havre St-Pierre, Quebec	512	425		30	0	0	0	18	2
Hay River, Northwest Territories	437	397	3	11	ő	ő	Ö	20	6
Hearst/René Fontaine Municipal, Ontario	43	30		7	0	0	0	2	C
lgloolik, Nunavut	92	90	0	1	0	0	0	0	1
nukjuak, Quebec	243	4.070	44.4				0		
sland Lake, Manitoba vujivik, Quebec	1,224 132	1,070	114	14	U	U	U	26	U
Kangiqsualujjuaq, Quebec	124	•	•	•	•	-	•	-	
Kangigsujuag, Quebec	151								
Kangirsuk, Quebec	173								
Kapuskasing, Ontario	261	237		0	0	0	0	0	18
Kimmirut, Nunavut	47	43		0	0	0	0	2	2
Kugaaruk, Nunavut Kuujjuarapik, Quebec	70 624	70 605		0 4	0 0	0 0	0 0	0 15	0
Lourdes-de-Blanc-Sablon, Quebec	524 524	492		6	0	0	0	12	(
Lutselk'e, Northwest Territories	157	151		0	0	0	0	6	(
Mayo, Yukon	45	45		Ö	Ö	Ö	Ö	Ö	Č
Moosonee, Ontario	2,086	2,056	2	21	0	0	1	6	(
Muskoka, Ontario	657	210		302	4	0	6	31	11
Nakina, Ontario	401	400		0	1	0	0	0	C
Nanisivik, Nunavut	41	41	0	0	0	0	0	0	C

Table 2-1 – continued Itinerant movements by class and type of operation

	Total itinerant		Domestic		International			Government	
	movements —	Carrier co	Other ommercial	Private	Carrier co	Other mmercial	Private	Civil	Military
				nu	ımber				
Natashquan, Quebec	266	250	2	14	0	0	0	0	0
Norway House, Manitoba	332	308	0	6	0	0	0	18	0
Old Crow, Yukon	56	54	0	0	0	0	0	2	0
Pabok, Quebec	30	4	6	0	0	0	0	20	0
Pangnirtung, Nunavut	205	200	0	3	0	0	0	2	0
Peterborough, Ontario	656	149	156	297	0	0	0	10	44
Pickle Lake, Ontario	1,046	1,012	0	30	0	0	0	4	0
Pond Inlet, Nunavut	72	63	3	1	0	0	0	0	5
Prince Rupert/Seal Cove, British Columbia	798	655	15	24	2	0	2	100	0
Puvirnituq, Quebec	456								
Qikiqtarjuaq, Nunavut	74	72	0	2	0	0	0	0	0
Quaqtaq, Quebec	156								
Quesnel, British Columbia	294	165	2	122	0	0	1	4	0
Red Lake, Ontario	1,922	1,760	2	94	0	0	2	48	16
Repulse Bay, Nunavut	102	96	0	2	0	0	0	2	2
Resolute Bay, Nunavut	88	88	0	0	0	0	0	0	0
Rimouski, Quebec	268	104	10	142	0	0	0	12	0
Roberval, Quebec	231	58	52	111	0	0	0	6	4
Salluit, Quebec	162								
Sandspit, British Columbia	187	161	0	0	0	0	0	26	0
Sanikiluaq, Nunavut	76	74	0	2	0	0	0	0	0
Sherbrooke, Quebec	335	78	45	185	0	0	9	6	12
St. Anthony, Newfoundland and Labrador	361	344	4	4	0	0	0	9	0
St. Augustin, Quebec	203	111	61	30	0	0	1	0	0
St. Theresa Point, Manitoba	1,442	752	652	8	0	0	0	30	0
Stephenville, Newfoundland and Labrador	120	97	1	2	6	0	2	12	0
Stony Rapids, Saskatchewan	751	724	1	2	0	0	0	24	0
Sydney, Nova Scotia	500	444	4	27	0	0	7	16	2
Taloyoak, Nunavut	154	146	2	0	0	0	0	6	0
Tasiujaq, Quebec	144								
Teslin, Yukon	10	8	0	0	0	0	0	2	0
The Pas, Manitoba	295	268	6	0	0	0	0	21	0
Tofino, British Columbia	231	170	2	22	0	0	3	26	8
Trois-Rivières, Quebec	1,010	405	104	493	0	0	2	6	0
Ulukhakot/Holman, Northwest Territories	68	64	0	2	0	0	0	2	0
Umiujaq, Quebec	167								
Waskaganish, Quebec	231	227	0	4	0	0	0	0	0
Watson Lake, Yukon	75	46	1	23	0	0	1	2	2
Welland/Niagara Central, Ontario	102	8	4	37	2	0	51	0	0
Wemindji, Quebec	134	128	2	2	2	0	0	0	0
Whale Cove, Nunavut	97	95	2	0	0	0	0	0	0
Wrigley, Northwest Territories	87	73	13	1	0	0	0	0	0
Yorkton Municipal, Saskatchewan	589	352	19	139	0	0	0	14	65
Total (110)	35,946	25,941	1,924	3,672	121	42	260	1,048	782

Table 2-2 Itinerant movements by type of power plant

	Total itinerant		Aircraft		Helicopters	Gliders
	movements	Jet	Turbo	Piston		
			number			
Aklavik, Northwest Territories	179	0	77	102	0	C
Akulivik, Quebec	178				<u>:</u>	
Amos Municipal, Quebec	112 234	6 0	36 226	63 0	7 8	0
Arviat, Nunavut Aupaluk, Quebec	70	U	220	U	0	
Baie-Comeau, Quebec	669	24	531	79	35	
Baker Lake, Nunavut	349	0	312	10	27	Č
Barrie-Orillia-Lake Simcoe Regional, Ontario	610	21	77	412	100	Č
Bathurst, New Brunswick	252	0	156	68	28	C
Beaver Creek, Yukon	4	0	4	0	0	C
Bromont, Quebec	414	4	7	380	20	3
Buffalo Narrows, Saskatchewan	503	0	431	70	2	C
Cambridge Bay, Nunavut Cape Dorset, Nunavut	292 101	69 0	222 101	1 0	0	0
Charlo, New Brunswick	45	2	17	22	4	C
Chesterfield Inlet, Nunavut	112	0	112	0	0	Č
Chevery, Quebec	275	2	245	10	18	Ö
Chibougamau/Chapais, Quebec	377	24	280	21	52	Ö
Clyde River, Nunavut	73	0	73	0	0	C
Comox, British Columbia	1,368	237	842	148	136	5
Coral Harbour, Nunavut	169	0	167	0	2	C
Dauphin, Manitoba	296	5	136	130	25	C
Dawson, Yukon	173	0	96	32	45	0
Dawson Creek, British Columbia	486	12	319	113	42	0
Déline, Northwest Territories Digby, Nova Scotia	160 112	0 4	117 1	43 88	0 19	0
Digby Island, British Columbia	20	0	0	20	0	0
Drummondville, Quebec	382	Ő	6	340	34	2
Dryden Regional, Ontario	676	4	441	144	87	0
Elliot Lake Municipal, Ontario	273	0	158	95	20	0
Eureka, Nunavut	10	0	10	0	0	0
Faro, Yukon	28	0	8	5	15	0
Flin Flon, Manitoba	523	4	398	91	30	0
Fort Frances Municipal, Ontario	377	0	274	103	0	0
Fort Liard, Northwest Territories Fort McPherson, Northwest Territories	100 67	0 0	12 61	43 6	45 0	0
Fort Resolution, Northwest Territories	14	0	12	2	0	0
Fort Simpson, Northwest Territories	261	2	161	65	33	Ö
Fort Smith, Northwest Territories	347	0	277	66	4	Ö
Gamètì/Rae Lakes, Northwest Territories	103	0	103	0	0	Ö
Gaspé, Quebec	347	13	287	43	4	0
Geraldton, Ontario	131	0	93	22	14	2
Gjoa Haven, Nunavut	192	4	186	1	0	1
Goose Bay, Newfoundland and Labrador	1,837	342	1,200	83	212	0
Grise Fiord, Nunavut	17	0	17	0	0	0
Hall Beach, Nunavut Havre St-Pierre, Quebec	1 512	0 4	1 68	0 134	0 306	C
Hay River, Northwest Territories	437	2	341	91	300	0
Hearst/René Fontaine Municipal, Ontario	43	0	26	7	10	Č
Igloolik, Nunavut	92	ŏ	92	0	0	Ö
Inukjuak, Quebec	243		·-			
Island Lake, Manitoba	1,224	2	534	113	575	C
Ivujivik, Quebec	132	•	•	•	•	
Kangiqsualujjuaq, Quebec	124					
Kangiqsujuaq, Quebec	151	•	•	•	•	
Kangirsuk, Quebec	173		255	:		
Kapuskasing, Ontario Kimmirut, Nunavut	261 47	0 0	255 47	4 0	2	0
Kugaaruk, Nunavut	70	0	70	0	0	(
Kuujjuarapik, Quebec	624	5	615	2	2	(
Lourdes-de-Blanc-Sablon, Quebec	524	4	434	28	58	(
Lutselk'e, Northwest Territories	157	Ö	107	50	0	Č
Mayo, Yukon	45	Ö	14	4	27	Č
Moosonee, Ontario	2,086	0	728	317	1,041	(
Muskoka, Ontario	657	8	68	524	55	2
Nakina, Ontario	401	0	393	0	8	C
Nanisivik, Nunavut	41	0	40	0	_1	C
Natashquan, Quebec	266	0	221	24	21	(

Table 2-2 – continued Itinerant movements by type of power plant

	Total itinerant					Gliders
	movements	Jet	Turbo	Piston		
			number			
Norway House, Manitoba	332	2	305	23	2	0
Old Crow, Yukon	56	2	50	0	4	0
Pabok, Quebec	30	4	18	8	0	0
Pangnirtung, Nunavut	205	0	200	1	4	0
Peterborough, Ontario	656	33	57	510	50	6
Pickle Lake, Ontario	1,046	0	927	65	54	0
Pond Inlet, Nunavut	72	0	72	0	0	0
Prince Rupert/Seal Cove, British Columbia	798	Ō	100	447	251	Ö
Puvirnitug, Quebec	456	· ·		• • • •	=0.	
Qikiqtarjuaq, Nunavut	74	Ó	72	ó	2	0
Quaqtaq, Quebec	156	O	12	O	_	
Quesnel, British Columbia	294	10	155	119	10	0
Red Lake, Ontario	1,922	2	1,112	777	31	0
Repulse Bay, Nunavut	1,922	0	1,112	0		0
				0	2	
Resolute Bay, Nunavut	88	12	76	-	0	0
Rimouski, Quebec	268	6	62	163	37	0
Roberval, Quebec	231	20	25	173	13	0
Salluit, Quebec	162	•			-	
Sandspit, British Columbia	187	4	113	0	70	0
Sanikiluaq, Nunavut	76	0	76	0	0	0
Sherbrooke, Quebec	335	4	22	283	26	0
St. Anthony, Newfoundland and Labrador	361	3	342	6	10	0
St. Augustin, Quebec	203	2	104	95	2	0
St. Theresa Point, Manitoba	1,442	7	358	74	1,003	0
Stephenville, Newfoundland and Labrador	120	29	72	0	19	0
Stony Rapids, Saskatchewan	751	0	510	224	17	0
Sydney, Nova Scotia	500	15	308	146	28	3
Taloyoak, Nunavut	154	2	150	2	0	Ö
Tasiujag, Quebec	144	-	.00	_	v	
Teslin, Yukon	10	Ö	2	8	0	0
The Pas, Manitoba	295	3	280	10	2	ő
Tofino, British Columbia	231	6	32	73	120	ő
Trois-Rivières, Quebec	1,010	19	16	920	55	ő
Ulukhakot/Holman, Northwest Territories	68	0	68	0	0	0
Umiujaq, Quebec	167	U	00	U	0	-
Waskaganish, Quebec	231	0	223	6	2	0
	75	0		9	23	0
Watson Lake, Yukon			43			
Welland/Niagara Central, Ontario	102	6	4	88	4	0
Wemindji, Quebec	134	0	122	0	12	0
Whale Cove, Nunavut	97	0	96	1	0	0
Wrigley, Northwest Territories	87	.5	0	72	10	0
Yorkton Municipal, Saskatchewan	589	15	65	449	59	1
Total (110)	35,946	1,015	18,680	8,971	5,099	25

Table 2-3 Itinerant movements by aircraft weight groups

	Total itinerant Gross take-off weight in kilograms							
	movements	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 and over
				number				
Aklavik, Northwest Territories	179	91	17	69	2	0	0	0
Akulivik, Quebec	178							
Amos Municipal, Quebec Arviat, Nunavut	112 234	65 7	2 1	39 69	0 35	0 53	6 69	0
Aupaluk, Quebec	70							
Baie-Comeau, Quebec	669	81	27	285	103	147	26	0
Baker Lake, Nunavut	349	27	10	103	42	62	105	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	610	435	77	53	36	4	5	0
Bathurst, New Brunswick Beaver Creek, Yukon	252 4	53 0	43 0	49 4	0	95 0	12 0	0
Bromont, Quebec	414	387	15	8	2	2	ŏ	Ö
Buffalo Narrows, Saskatchewan	503	30	41	314	118	0	0	0
Cambridge Bay, Nunavut	292	1	0	76	37	40	86	52
Cape Dorset, Nunavut Charlo, New Brunswick	101 45	0 12	0 14	37 15	0	29 2	35 2	0
Chesterfield Inlet, Nunavut	112	0	0	36	32	2	42	0
Chevery, Quebec	275	23	7	101	142	0	2	0
Chibougamau/Chapais, Quebec	377	26	26	203	22	90	10	0
Clyde River, Nunavut	73 1,368	0 60	0 104	10 45	0 571	16 194	47 136	0 258
Comox, British Columbia Coral Harbour, Nunavut	1,300	0	0	53	54	30	24	230
Dauphin, Manitoba	296	132	2	125	5	24	0	8
Dawson, Yukon	173	77	0	6	4	0	86	0
Dawson Creek, British Columbia	486	149	14	66	151	106	0	0
Déline, Northwest Territories Digby, Nova Scotia	160 112	10 101	51 6	71 1	0	0 0	28 0	0 4
Digby Island, British Columbia	20	0	20	Ó	ő	0	ő	Ō
Drummondville, Quebec	382	355	17	8	0	2	0	0
Oryden Regional, Ontario	676	162	45	460	2	5	2	0
Elliot Lake Municipal, Ontario Eureka, Nunavut	273 10	95 0	74 0	96 2	0 2	8 0	0	0 6
Faro, Yukon	28	20	6	2	0	0	0	0
Flin Flon, Manitoba	523	59	78	280	4	102	Ö	Ö
Fort Frances Municipal, Ontario	377	26	87	264	0	0	0	0
Fort Liard, Northwest Territories	100	76	12	12	0	0	0	0
Fort McPherson, Northwest Territories Fort Resolution, Northwest Territories	67 14	6 0	0 2	61 6	0	0	0 6	0
Fort Simpson, Northwest Territories	261	78	63	42	2	0	76	0
Fort Smith, Northwest Territories	347	62	6	40	237	0	2	0
Gamèti/Rae Lakes, Northwest Territories	103	0	12	85	0	0	6	0
Gaspé, Quebec Geraldton, Ontario	347 131	7 18	36 55	26 58	2 0	258 0	16 0	2
Gjoa Haven, Nunavut	192	1	0	27	14	48	102	0
Goose Bay, Newfoundland and Labrador	1,837	191	91	686	102	563	123	81
Grise Fiord, Nunavut	17	0	0	15	2	0	0	0
Hall Beach, Nunavut Havre St-Pierre, Quebec	1 512	0 255	0 134	0 89	0 18	0 12	1 4	0
Hay River, Northwest Territories	437	12	22	104	104	81	112	2
Hearst/René Fontaine Municipal, Ontario	43	15	2	26	0	0	0	0
gloolik, Nunavut	92	0	0	7	0	39	46	0
nukjuak, Quebec sland Lake. Manitoba	243 1,224	653	37	 391		99	42	
vujivik, Quebec	132	033	 		2	99	42	U
Kangiqsualujjuaq, Quebec	124							
Kangiqsujuaq, Quebec	151	-				-		
Kangirsuk, Quebec	173							
Kapuskasing, Ontario Kimmirut, Nunavut	261 47	0	44 0	211 47	0	0 0	6 0	0
Kugaaruk, Nunavut	70	ŏ	ő	5	1	25	39	0
Kuujjuarapik, Quebec	624	0	2	326	14	123	159	0
ourdes-de-Blanc-Sablon, Quebec	524	57	37	172	105	149	4	0
Lutselk'e, Northwest Territories Mayo, Yukon	157 45	4 27	78 4	70 10	2 4	2 0	1 0	0
лауо, тикоп Лoosonee, Ontario	2,086	27 1,047	235	486	4 121	132	65	0
Muskoka, Ontario	657	536	41	47	18	0	13	2
Nakina, Ontario	401	8	194	147	52	0	0	0
Nanisivik, Nunavut	41	1	0	2	2	0	36	0

Table 2-3 – continued Itinerant movements by aircraft weight groups

	Total itinerant	0 0						
	movements	2 000	2 001	4 001	5 671	9 001	18 001	35 001
		and under	to 4 000	to 5 670	to 9 000	to 18 000	to 35 000	and over
				number				
Natashquan, Quebec	266	33	18	71	81	63	0	0
Norway House, Manitoba	332	12	13	300	7	0	0	0
Old Crow, Yukon	56	4	0	5	2	0	43	2
Pabok, Quebec	30	0	8	2	0	16	4	0
Pangnirtung, Nunavut	205	0	1	28	0	66	110	0
Peterborough, Ontario	656	494	56	38	18	12	4	34
Pickle Lake, Ontario	1,046	78	518	156	80	0	214	0
Pond Inlet, Nunavut	72	0	0	17	0	19	36	ő
Prince Rupert/Seal Cove, British Columbia	798	115	663	0	2	18	0	Ő
Puvirnitug, Quebec	456	110	000	· ·	-		Ū	Ū
Qikiqtarjuaq, Nunavut	74	0	0	8	0	22	44	0
Quagtag, Quebec	156	U			U	22	74	U
Quesnel, British Columbia	294	129	0	4	161	0	0	0
Red Lake, Ontario	1,922	328	634	568	235	23	128	6
	1,922	0	034	16	42	30	14	0
Repulse Bay, Nunavut								12
Resolute Bay, Nunavut	88	0	0	35	7	0	34	
Rimouski, Quebec	268	168	30	61	0	3	6	0
Roberval, Quebec	231	146	38	23	20	0	4	0
Salluit, Quebec	162	_ :	. ::		· ·	:	_ :	<u>.</u>
Sandspit, British Columbia	187	62	16	36	8	4	59	2
Sanikiluaq, Nunavut	76	0	0	44	18	2	12	0
Sherbrooke, Quebec	335	257	34	38	2	2	0	2
St. Anthony, Newfoundland and Labrador	361	8	13	95	94	150	1	0
St. Augustin, Quebec	203	92	7	35	66	3	0	0
St. Theresa Point, Manitoba	1,442	1,063	14	201	6	123	34	1
Stephenville, Newfoundland and Labrador	120	9	17	10	8	55	4	17
Stony Rapids, Saskatchewan	751	18	224	302	115	92	0	0
Sydney, Nova Scotia	500	99	66	39	12	267	15	2
Taloyoak, Nunavut	154	0	0	34	2	50	68	0
Tasiujaq, Quebec	144							
Teslin, Yukon	10	8	0	2	0	0	0	0
The Pas, Manitoba	295	4	49	144	3	95	0	0
Tofino, British Columbia	231	115	68	22	4	4	12	6
Trois-Rivières, Quebec	1,010	856	119	10	6	0	2	17
Ulukhakot/Holman, Northwest Territories	68	0	0	45	ő	ő	23	0
Umiujaq, Quebec	167				Ū	Ü	20	Ü
Waskaganish, Quebec	231	2	6	37	18	168	0	0
Watson Lake, Yukon	75	30	0	37	6	2	0	0
Welland/Niagara Central, Ontario	102	85	7	4	0	2	4	0
Wemindji, Quebec	134	12	0	26	6	90	0	0
Whale Cove, Nunavut	97	0	0	25 25	35	26	11	0
Wrigley, Northwest Territories	87 87	51	31	0	0	26 5	0	0
Yorkton Municipal, Saskatchewan	589	402	60	106	16	0	2	3
• •						-		ა <b>527</b>
Total (110)	35,946	10,218	4,601	8,772	3,246	3,956	2,470	52

Table 3 Local movements by type of operation

	Total local movements	Local civil movements	Local military movements
Amos Municipal, Quebec	164	162	2
Aupaluk, Quebec	18	•	-
Baie-Comeau, Quebec	14	14	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	1,347	1,347	0
Buffalo Narrows, Saskatchewan	2	2	0
Cambridge Bay, Nunavut	12	12	0
Chibougamau/Chapais, Quebec	2	2	0
Dauphin, Manitoba	72	72	0
Dawson Creek, British Columbia	42	42	0
Drummondville, Quebec	306	182	124
Dryden Regional, Ontario	72	72	0
Elliot Lake Municipal, Ontario	240	240	0
Flin Flon, Manitoba	12	12	0
Geraldton, Ontario	12	12	0
Guelph, Ontario	2,364	2,364	0
Havre St-Pierre, Quebec	28	28	0
Hay River, Northwest Territories	2	2	0
Kangiqsujuaq, Quebec	6	2	0
Mayo, Yukon	10	10	0
Moosonee, Ontario	523	523	0
Muskoka, Ontario	362	362	0
Nakina, Ontario	362 6	362 6	0
			22
Peterborough, Ontario	1,219	1,197	
Pickle Lake, Ontario	12	12	0
Puvirnituq, Quebec	16		
Quesnel, British Columbia	10	10	0
Red Lake, Ontario	117	89	28
Rimouski, Quebec	54	54	0
Roberval, Quebec	96	96	0
Sherbrooke, Quebec	700	698	2
St. Anthony, Newfoundland and Labrador	42	42	0
Stony Rapids, Saskatchewan	2	2	0
Sydney, Nova Scotia	28	28	0
Tofino, British Columbia	4	4	0
rois-Rivières, Quebec	769	768	1
Jmiujaq, Quebec	3		
Waskaganish, Quebec	42	42	0
Welland/Niagara Central, Ontario	2,104	2,104	0
Yorkton Municipal, Saskatchewan	448	440	8
Total (39)	11,282	11,052	187

# **Methodology**

# Airports without air traffic control towers

## Survey universe

The statistics in this publication reflect the number of aircraft movements reported to the Aviation Statistics Centre (ASC) by airport and carrier personnel, members of flying clubs and employees of various levels of government at airports without control towers across Canada. There are approximately 6,000 aerodromes in Canada, including land (runways and/or heliports) and water facilities. Of these, approximately 1,300 are airports operating under licences issued by Transport Canada (including those listed in 51-007-X and most of those listed in this publication). Criteria for inclusion in this publication are the size and scope of operation and the importance in establishing regional traffic patterns.

# Coverage

The statistics appearing in this publication were compiled in most cases from daily air traffic records received by the ASC. The data for 19 of Manitoba's airports are submitted by the Department of Highways and Transportation of the Manitoba Government on the Manitoba airport activity summary (See Factors influencing the data in Appendix I).

The daily air traffic records (Form 06-0065) are designed to capture three data items for each aircraft arrival and/or departure for itinerant movements, and two items for local movements. Section A of the record dealing with itinerant movements reports the following information for each movement:

- (a) the aircraft registration or air carrier code and flight number;
- (b) the aircraft type;
- (c) the last station before landing at the reporting airport or the next station after take-off.

Section B of the record provides for the reporting of the number of local civil and local military movements for each day.

Due to revisions, the sum of totals released in this report may not equal the annual totals published in Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577) - 51-210-X.

The daily air traffic records are completed on a daily basis and mailed to ASC where they are registered and manually edited for clarity and reliability. Survey respondents are advised by letter or telephone of any undue delays.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. Other parameter file information includes 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. This information also provides a basis for identifying type of flight (commercial, private and government) and the geographical area in which the flight takes place. 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.

# **Data quality and limitations**

Although every effort is made to ensure the quality of the data, the statistics relative to airports where there is no air traffic control tower or flight service station should be used with due consideration for their limitations.

The validity of the source data reported is controlled through the use of computerized edit programs. Identified errors originating with the source documents or with data transmission are manually corrected by ASC editing staff.

To help respondents maintain a high level of accuracy in reporting, the Aviation Statistics Centre issues instructions explaining the various concepts of the required source data and the method of completing the forms. Respondents are also furnished 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. This handbook and another titled "Canada Flight Supplement" listing various airport codes, serve as reference to ensure the reporting of the proper aircraft identity and the last stop or next stop of flights at reporting airports.

At airports without towers or flight service stations, survey respondents, in performing their various assignments, are not always aware of all aircraft movements at their airport. For example, at small airports the airport manager may be responsible for both the administration and maintenance of the station facilities. At some airports the Daily air traffic records are filed by flying club managers who may not be completely familiar with other activities at other areas of the airport.

At airports with flying school operations it is sometimes difficult to record each individual local aircraft movement. In such cases, ASC would advise the airport manager to report local movements based on hours expended in flying training operations. Observations have shown that, on average, six circuits can be made during each hour of flying training. Therefore, 12 local aircraft movements would be counted for each hour of flying training. At stations where the circuits demand a different norm, the respondent will make corrections accordingly.

# **Appendix I**

# Factors influencing the data

1. Aggregate data only are available for the 19 airports reported by the Manitoba Department of Highways and Transportation listed below.

Berens River Pikwitonei Bloodvein River Poplar River Brochet Pukatawagan Cross Lake Red Sucker Lake Gods Lake Narrows Shamattawa Gods River South Indian Lake Tadoule Lake llford Lac Brochet Thicket Portage Little Grand Rapids York Landing

Oxford House

2. Aggregate data only are available for the 12 airports reported by the Kativik Regional Government in Quebec listed below.

Akulivik Kangirsuk Aupaluk Puvirnituq Inukjuak Quaqtaq **Ivujivik** Salluit Kangiqsualujjuaq Tasiujaq Kangiqsujuaq Umiujaq

- 3. When comparing monthly data for current year versus previous year, please note that:
- a) data for the following airports were included in the report for November, 2008 but were not available in November, 2009:
- Burwash, Yukon
- 2. Eastmain River, Quebec
- 3. Gillam, Manitoba
- 4. Kugluktuk, Nunavut
- 5. Paulatuk, Northwest Territories
- 6. Tukoyaktuk, Northwest Territories
- Tulita, Northwest Territories 7.

b) data for the following airports are included in November, 2009 but not in November, 2008:

- 1. Clyde River, Nunavut
- 2. Fort Liard, Northwest Territories
- 3. Kuujjuarapik, Quebec
- 4. Pangnirtung, Nunavut
- 5. St. Anthony, Newfoundland and Labrador

# **Appendix II**

# **Glossary of terms**

# Air carrier

Aircraft operators licensed by the Canadian Transportation Agency to transport, persons, mail and/or goods by air.

**Level I-III air carriers:** Canadian air carriers that, in each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1,000,000 or more for the air services for which the air carrier held a licence. Also includes foreign air carriers.

**Level IV-VI air carriers:** Canadian air carriers that, in each of the two calendar years immediately proceeding the report year, realized annual gross revenues of less than \$1,000,000 for the air services for which the air carrier held a licence. Since 2000, levels IV and VI are no longer applicable.

### Aircraft movement

A take off, a landing, or a simulated approach by an aircraft. ATC Manops amendment 8-8-83. NC-703.

# **Class of operation**

Aircraft movements are classified as either "Itinerant" or "Local".

# **Commercial**

Flights by aircraft operators licensed by the Canadian Transportation Agency to perform commercial air services. Commercial operations are divided into two categories: **Air carrier** and **Other commercial**.

# **Domestic itinerant movements**

Movements, at a Canadian airport, of aircraft departing to or arriving from another point in Canada.

### **FSS**

Flight service station.

## Government - Civil

Aircraft owned by federal, provincial and municipal bodies as well as foreign states, but excluding those owned by crown corporations, boards and commissions. Such aircraft are coded "3" under "Purpose" in the Canadian civil aircraft register.

# **Government – Military**

Aircraft of any branch of the armed forces of any nation.

# **Gross take-off weight**

The maximum weight for which the aircraft is licensed to operate. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

# I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

### International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax and the arrival at Toronto would be shown as "domestic".

### **Itinerant movements**

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. At airports without control towers: an aircraft movement in which the aircraft arrives from or departs to a point other than the reporting airport; or a movement by an aircraft that leaves the close proximity of an airport and returns without landing at another airport.

### **Local movements**

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. At airports **without** control towers: an aircraft movement in which the aircraft remains in the close proximity of the airport. Local movements are often carried out during training flights (touch-and-go), equipment tests etc.

### Other commercial

Flights performed by Commercial aircraft operators not included in the Air carrier categories. Flying schools, agricultural sprayers, water-bombers, aerial photography and survey, etc.

# **Power plant**

The source of propulsion. For example, piston engines, turbo-propellers and jet engines. "Helicopters", in this report, include both piston and turboshaft-driven engines.

# **Private aircraft**

Aircraft used solely for private purposes, not for hire and compensation, which are classified as "Private" or "Private Restricted" in the Canadian civil aircraft register or similar registries of other countries. Owners include individuals, groups and business firms.

# **Runway 88**

Through control zone flights, i.e. flights which communicate with the tower while transiting the tower control zone to another destination without landing at the reporting airport. Data for these runways are not included in the grand total.

# Simulated approaches

Movements that are either missed instrument or practice instrument approaches without landing.

# TC

Transport Canada

# **Tower control zone**

A controlled airspace within the proximity of an air traffic control tower, usually within a radius of less than 24 kilometres of the tower.

# V.F.R. flight

A flight conducted in accordance with Visual flight rules.

# Weight group

The classification of weight classes in groups for statistical purposes.