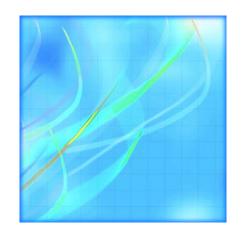
# Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)



August 2014



Statistics Statistique Canada Canada



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

August 2014

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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
- \* significantly different from reference category (p < 0.05)

### **Acknowledgments**

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The information found in this publication could not have been produced if not for the cooperation of our respondents and data suppliers.

This publication was prepared by Kathie Davidson, Gwen Cromwell, Chantal Mollenthiel, Conrad Ogrodnik, John Scolli and Bev Pomfret of the Aviation Statistics Centre (ASC) of the Environment, Energy and Transportation Statistics Division (EETSD) under the general direction of Kevin Roberts, Director, EETSD, Michael Scrim, Assistant Director, EETSD and Ed Hamilton, Chief, ASC.

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## **Highlights**

Goose Bay, Newfoundland and Labrador (3,265 movements) reported the greatest number of itinerant movements in August 2014.

In August 2014, Peterborough, Ontario (7,100 movements) reported the largest number of local movements.

### Note to readers

This release of the Aircraft Movements Statistics data includes the months of March 2014 to August 2014, along with revisions to January and February 2014.

This will also be the last edition of the Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141) (51-008-X) publication. However, all of the information and data included in this publication will continue to be available, either in *The Daily*, on CANSIM, in the repository for survey definitions, data sources and methods, or in the service bulletin *Aviation* (51-004-X). Hyperlinks to all of this information will be included in *The Daily*.

Related CANSIM tables

### **Analysis**

In August 2014, the number of take-offs and landings for 129 airports without air traffic control towers reached 67,231 movements. The five airports that recorded more than 2,000 take-offs and landings were Peterborough, Ontario (7,767 movements), Goose Bay, Newfoundland and Labrador (3,265), Red Lake, Ontario (2,491), Trois-Rivières, Quebec (2,412), and Muskoka, Ontario (2,353). These airports accounted for 27% of the month's movements.

Year over year comparisons were possible for 119 airports. These airports reported an increase of 1.7% in the number of take-offs and landings from August 2013. Large gains at Peterborough (4,633 movements) were sufficient to offset declines at Barrie-Orillia-Lake Simcoe Regional, Ontario (-872), Yorkton Municipal, Saskatchewan (-799), Stony Rapids, Saskatchewan (-640), Dawson Creek, British Columbia (-460) and Amos Municipal, Quebec (-384).

There were 49,636 itinerant movements (flights from one airport to another) recorded by 111 airports in August 2014 with Goose Bay (3,265 movements) reporting the greatest number.

Fifty-six airports reported 15,286 local movements (flights that remain in the vicinity of the airport) in August 2014. Peterborough was the most active site with 7,100 take-offs and landings, up from 2,049 in August 2013. The increase in movements may be due to the arrival of a new flight school which began operations in January 2014.

# **Related products**

### Selected publications from Statistics Canada

51-007-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)
51-203-X	Air Carrier Traffic at Canadian Airports
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
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401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

### **Selected surveys from Statistics Canada**

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### **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 <sup>1</sup> days reported for	Total, itinerant and local	Total itinerant	Total local
	current month	movements	movements	movements
		number		
Akulivik, Quebec	a.i	107	107	0
Amos Municipal, Quebec Arctic Bay, Nunavut	31 27	493 102	206 97	287 5
Arciic Bay, Nunavut Arviat, Nunavut	30	268	268	0
Aupaluk, Quebec		173	75	98
Baie-Comeau, Quebec	31	887	845	42
Baker Lake, Nunavut	31	447	445	2
Barrie-Orillia-Lake Simcoe Regional, Ontario	31	1,848	718	1,130
Bathurst, New Brunswick	31	496	496	0
Beaver Creek, Yukon	10	36	36	0
Berens River, Manitoba Bloodvein River, Manitoba	••	264 166	••	
Bonaventure, Quebec	 31	486	486	0
Brochet, Manitoba	91	82	400	
Buffalo Narrows, Saskatchewan	31	666	660	6
Burwash, Yukon	29	211	211	0
Cambridge Bay, Nunavut	31	719	665	54
Cape Dorset, Nunavut	17	73	73	0
Charlo, New Brunswick	29	211	211	0
Chesterfield Inlet, Nunavut	23	97	97	0
Chevery, Quebec Chibougamau/Chapais, Quebec	26 31	278 898	278 870	0 28
Collingwood, Ontario	31	1,004	705	299
Comox, British Columbia	31	1,932	1,932	0
Coral Harbour, Nunavut	30	205	205	0
Cross Lake, Manitoba		122		
Dauphin, Manitoba	28	533	221	312
Dawson, Yukon	31	1,023	1,023	0
Dawson Creek, British Columbia	31	517	461	56
Digby, Nova Scotia	22	123	86	37
Drummondville, Quebec	31 31	754 1.057	550 993	204 64
Dryden Regional, Ontario Eastmain River, Quebec	21	1,057	993 95	14
Elliot Lake Municipal, Ontario	29	362	242	120
Eureka, Nunavut	20	63	63	0
Faro, Yukon	22	110	110	0
Flin Flon, Manitoba	31	431	427	4
Fort Frances Municipal, Ontario	31	512	512	0
Fort Smith, Northwest Territories	31	974	974	0
Gaspé, Quebec	31	442	440	2
Geraldton, Ontario Gillam, Manitoba	29 31	234 332	190 332	44 0
Gjoa Haven, Nunavut	18	81	81	0
Gods Lake Narrows, Manitoba		265		
Gods River, Manitoba		113	···	
Goose Bay, Newfoundland and Labrador	31	3,265	3,265	0
Hall Beach, Nunavut	30	189	189	0
Havre St-Pierre, Quebec	30	893	887	6
Hay River, Northwest Territories	31	744	744	0
Hearst/René Fontaine Municipal, Ontario gloolik. Nunavut	28 25	173 108	173 108	0
Iford, Manitoba		30	100	U
nukjuak, Quebec	<del></del>	271	271	0
sland Lake, Manitoba	31	933	913	20
sle-aux-Grues, Quebec	24	97	97	0
vujivik, Quebec		74	74	0
Kangiqsualujjuaq, Quebec	•	95	95	0
Kangiqsujuaq, Quebec	•	742	722	20
Kangirsuk, Quebec		108	105	3
Kapuskasing, Ontario Kegaska, Quebec	31 21	351 73	305 73	46 0
Kegaska, Quebec Kugaaruk, Nunavut	28	73 102	73 98	4
Kugluktuk, Nunavut	31	542	312	230
Kuujjuarapik, Quebec	31	465	451	14
La Romaine, Quebec	18	85	85	0
a Tabatière, Quebec	22	87	87	0
_ac Brochet, Manitoba		110		

See notes at the end of the table.

Table 1 – continued

Total aircraft movements by class of operation

	Number of <sup>1</sup> days reported for	Total, itinerant and local	Total itinerant	Total local
	current month	movements	movements	movements
Little Grand Rapids, Manitoba		116		
Lourdes-de-Blanc-Sablon, Quebec	30	459	445	14
Matagami, Quebec	20	138	138	0
Mayo, Yukon	31	1,024	1,024	0
Miramichi, New Brunswick	30	846	846	0
Montmagny, Quebec	31	494	494	0
Moosonee, Ontario	31	1,590	1,548	42
Muskoka, Ontario	30	2,353	1,767	586
Nakina, Ontario	31	440	434	6
Natashquan, Quebec	30	215	213	2
Norway House, Manitoba	31 28	388	334	54 0
Old Crow, Yukon Oxford House, Manitoba	20	83 232	83	U
Pabok, Quebec	 18	232 54	 54	0
Pangnirtung, Nunavut	24	161	161	0
Peterborough, Ontario	31	7,767	667	7,100
Pickle Lake, Ontario	31	1,471	1,411	60
Pikwitonei, Manitoba	31	1,471	1,711	00
Pond Inlet, Nunavut	 24	120	120	0
Poplar River, Manitoba		196	120	· ·
Port-Menier, Quebec	 25	299	299	0
Pukatawagan, Manitoba		162	200	·
Puvirnitug, Quebec		351	345	6
Qikiqtarjuaq, Nunavut	24	127	127	Ō
Quagtag, Quebec	-:	47	47	Ō
Quesnel, British Columbia	31	591	521	70
Red Lake, Ontario	31	2,491	2,165	326
Red Sucker Lake, Manitoba	••	183	•	
Repulse Bay, Nunavut	30	244	243	1
Resolute Bay, Nunavut	31	269	269	0
Rimouski, Quebec	31	842	600	242
Roberval, Quebec	31	546	410	136
Saint-Bruno-de-Guigues, Quebec	18	53	53	0
Salluit, Quebec	_:	73	67	6
Sandspit, British Columbia	31	750	730	20
Sanikiluaq, Nunavut	20	96	96	0
Shamattawa, Manitoba		162		
Sherbrooke, Quebec	31	1,353	591	762
South Indian Lake, Manitoba		50		
St. Anthony, Newfoundland and Labrador	30	293	287	6
St-Augustin, Quebec	20 31	138 533	138 523	0 10
St. Theresa Point, Manitoba	31	118	118	0
Stephenville, Newfoundland and Labrador Stony Rapids, Saskatchewan	19	564	544	20
Sydney, Nova Scotia	31	815	779	36
Tadoule Lake, Manitoba		22	119	30
Taloyoak, Nunavut	 31	169	169	0
Tasiujaq, Quebec	31	113	113	0
Teslin, Yukon	15	44	44	0
Tête-à-la-Baleine, Quebec	21	86	86	Ö
The Pas, Manitoba	31	366	302	64
Thicket Portage, Manitoba		7		
Tillsonburg, Ontario	··	1,951	887	1,064
Tofino, British Columbia	31	1,129	1.039	90
Trois-Rivières, Quebec	31	2,412	1,154	1,258
Jmiujaq, Quebec		<sup>^</sup> 154	144	10
Waskaganish, Quebec	27	251	223	28
Watson Lake, Yukon	31	515	515	0
Wemindji, Quebec	13	72	72	0
Whale Cove, Nunavut	18	92	92	0
York Landing, Manitoba		13		
Yorkton Municipal, Saskatchewan	30	681	565	116
Total (129)	31	67,231 <sup>2</sup>	49,636	15,286
10tai (143)	31	07,4314	45,030	15,206

<sup>1.</sup> The "number of days reported" reflects the days that the airport reported take-offs and landings. It may not be the same as the number of days that the airport was open for operation. The information is provided to assist readers in making comparisons to other time periods, i.e., to indicate whether the movement counts represent the full month or a partial month.

<sup>2.</sup> Total, itinerant and local movements: The value may not equal the sum of total itinerant and local movements. This is due to some airports reporting only aggregated data (total itinerant plus local movements) rather than the two components. See Appendix I, Factors influencing the data

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

	Total itinerant				International				Government	
	movements -	Carrier	Other commercial	Private	Carrier co	Other ommercial	Private	Civil	Military	
				nı	ımber					
Akulivik, Quebec	107			400	;					
Amos Municipal, Quebec Arctic Bay, Nunavut	206 97	92 75	2	109 0	1 16	0 1	0 0	2 2	0	
Arviat, Nunavut	268	235	1	29	1	Ö	Ő	2	0	
Aupaluk, Quebec	75									
Baie-Comeau, Quebec	845	647	2	81	1	0	1	104	9	
Baker Lake, Nunavut Barrie-Orillia-Lake Simcoe Regional, Ontario	445	427	1	9	0 3	0	0	2	6 10	
Bathurst, New Brunswick	718 496	242 349	27 73	351 73	1	2 0	41 0	42 0	0	
Beaver Creek, Yukon	36	20	0	7	ò	ŏ	5	4	Ö	
Bonaventure, Quebec	486	346	4	74	1	0	2	59	0	
Buffalo Narrows, Saskatchewan	660	458	3	80	0	0	0	119	0	
Burwash, Yukon Cambridge Bay, Nunavut	211 665	197 587	0	12 54	0	0 0	2 0	0 22	0	
Cape Dorset, Nunavut	73	72	0	1	0	0	0	0	2	
Charlo, New Brunswick	211	114	20	63	1	Ö	10	2	1	
Chesterfield Inlet, Nunavut	97	95	0	1	0	0	0	1	C	
Chevery, Quebec	278	272	0	2	0	0	0	4	0	
Chibougamau/Chapais, Quebec Collingwood, Ontario	870 705	610 111	95 64	125 530	0 0	0 0	2 0	38 0	0	
Comox, British Columbia	1,932	1,214	0	18	1	0	3	52	644	
Coral Harbour, Nunavut	205	181	8	4	5	Ö	Õ	3	4	
Dauphin, Manitoba	221	84	2	77	0	0	0	58	0	
Dawson, Yukon	1,023	548	15	352	98	0	8	2	0	
Dawson Creek, British Columbia Digby, Nova Scotia	461 86	277 37	2	172 40	1 0	0 0	0 3	9 6	0	
Drummondville, Quebec	550	104	31	392	0	0	1	4	18	
Dryden Regional, Ontario	993	488	174	99	1	Ö	9	220	2	
Eastmain River, Quebec	95	91	0	2	0	0	0	0	2	
Elliot Lake Municipal, Ontario	242	84	90	55	0	0	3	10	0	
Eureka, Nunavut Faro, Yukon	63 110	51 89	0 6	0 15	0 0	0 0	0 0	0	12 0	
Flin Flon, Manitoba	427	325	2	62	0	0	15	23	0	
Fort Frances Municipal, Ontario	512	308	20	108	1	0	67	8	0	
Fort Smith, Northwest Territories	974	821	28	38	1	0	0	84	2	
Gaspé, Quebec	440 190	322 68	9 69	45 22	0	0 0	1 0	63 31	0	
Geraldton, Ontario Gillam, Manitoba	332	311	2	17	0	0	0	2	0	
Gjoa Haven, Nunavut	81	72	0	3	Ö	ŏ	ő	2	4	
Goose Bay, Newfoundland and Labrador	3,265	2,393	80	171	103	27	169	151	171	
Hall Beach, Nunavut	189	177	6	0	0	0	0	2	4	
Havre St-Pierre, Quebec Hay River, Northwest Territories	887 744	819 533	10 0	29 40	1 0	0	0	28 171	0	
Hearst/René Fontaine Municipal, Ontario	173	109	15	18	0	0	0	31	0	
Igloolik, Nunavut	108	95	0	5	6	Ö	Ö	2	Ö	
lnukjuak, Quebec	271						-			
Island Lake, Manitoba	913	860	0	35	0	0	0	18	0	
lsle-aux-Grues, Quebec Ivujivik, Quebec	97 74	91	0	6	0	0	0	0	U	
Kangiqsualujjuaq, Quebec	95									
Kangiqsujuaq, Quebec	722						-			
Kangirsuk, Quebec	105		:			:		:	_ :	
Kapuskasing, Ontario	305 73	206 73	4 0	41 0	0 0	0 0	0 0	0 0	54 0	
Kegaska, Quebec Kugaaruk, Nunavut	73 98	96	0	0	0	0	0	2	C	
Kugluktuk, Nunavut	312	284	16	8	ő	ŏ	Ő	4	Č	
Kuujjuarapik, Quebec	451	425	2	18	0	0	0	6	0	
a Romaine, Quebec	85	74	10	1	0	0	0	0	C	
∟a Tabatière, Quebec ∟ourdes-de-Blanc-Sablon, Quebec	87 445	86 418	0 2	0 15	1 0	0 0	0 0	0 10	C	
Matagami, Quebec	138	114	3	7	1	0	1	12	0	
Mayo, Yukon	1,024	984	2	32	Ö	0	Ö	6	Č	
Miramichi, New Brunswick	846	546	13	138	1	0	5	141	2	
Montmagny, Quebec	494	212	17	73	188	0	0	4	(	
Moosonee, Ontario Muskoka, Ontario	1,548 1,767	1,428 480	15 273	49 737	1 131	0 1	0 99	55 41	(	
Muskoka, Ontario Nakina, Ontario	1,767 434	480	273 28	737 3	0	0	99	0	0	

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

	Total itinerant	Domestic		In	International		Government		
	movements -	Carrier	Other commercial	Private	Carrier c	Other ommercial	Private	Civil	Military
Natashquan, Quebec	213	179	0	14	0	0	0	12	8
Norway House, Manitoba	334	300	0	16	0	0	0	16	2
Old Crow, Yukon	83	65	0	13	2	0	0	3	0
Pabok, Quebec	54	2	4	22	0	0	0	26	0
Pangnirtung, Nunavut	161	158	0	0	1	0	0	0	2
Peterborough, Ontario	667	121	76	446	0	0	0	10	14
Pickle Lake, Ontario	1,411	1,310	54	24	0	0	3	20	0
Pond Inlet, Nunavut	120	110	0	1	0	0	0	6	3
Port-Menier, Quebec	299	282	Ö	17	Ö	Ö	Ö	0	0
Puvirnituq, Quebec	345							_	-
Qikiqtarjuaq, Nunavut	127	100	20	4	1	Ö	Ö	2	0
Quagtag, Quebec	47		_5		•	J		_	·
Quesnel, British Columbia	521	273	6	238	0	o o	4	0	0
Red Lake, Ontario	2.165	1,811	159	84	5	ŏ	19	87	Õ
Repulse Bay, Nunavut	243	239	0	4	Ö	ŏ	0	0	Õ
Resolute Bay, Nunavut	269	242	ŏ	14	Ŏ	ŏ	Ŏ	9	4
Rimouski, Quebec	600	194	30	263	ő	ő	ő	36	77
Roberval, Quebec	410	145	8	214	0	ő	0	42	1
Saint-Bruno-de-Guigues, Quebec	53	25	1	16	ő	3	0	8	Ö
Salluit. Quebec	67	20		10	O	0	O	Ü	O
Sandspit, British Columbia	730	686	2	33	0	0	1	8	0
Sanikiluaq, Nunavut	96	89	0	7	ő	ő	Ó	ő	Ö
Sherbrooke, Quebec	591	120	51	394	7	ő	9	2	8
St. Anthony, Newfoundland and Labrador	287	209	2	29	Ó	0	0	47	0
St-Augustin, Quebec	138	134	4	0	0	0	0	0	0
St. Theresa Point, Manitoba	523	509	0	8	0	0	0	6	0
Stephenville, Newfoundland and Labrador	118	69	0	10	1	0	9	23	6
Stony Rapids, Saskatchewan	544	523	0	8	Ó	0	0	13	0
Sydney, Nova Scotia	779	678	0	59	18	0	20	0	4
Taloyoak, Nunavut	169	154	0	14	10	0	0	0	0
	113	134	U	14	'	U	U	U	U
Tasiujaq, Quebec Teslin, Yukon	44	8	0	35	0	0	0	0	1
Tête-à-la-Baleine, Quebec	86	86	0	0	0	0	0	0	0
The Pas, Manitoba	302	199	6	20	0	0	1	76	0
	887		O	20	U	U			U
Tillsonburg, Ontario	1,039	777	13	173	10	0	30	20	16
Tofino, British Columbia	1,039	515		519	10 0	0	0	10	6
Trois-Rivières, Quebec		515	104	519	U	U	U	10	0
Umiujaq, Quebec	144	212			1				
Waskaganish, Quebec	223	213		9 163			-		-
Watson Lake, Yukon	515	323	22	163	0	0	1	5	1
Wemindji, Quebec	72	70	0	2	0	0	0	0	0
Whale Cove, Nunavut	92	90	0	2	0	0	0	0	0
Yorkton Municipal, Saskatchewan	565	340	23	183	0	0	3	8	8
Total (110)	49,636	32,678	1,831	7,606	613	34	547	2,159	1,116

Table 2-2 Itinerant movements by type of power plant

	Total itinerant		Aircraft		Helicopters	Gliders
	movements	Jet	Turbo	Piston		
			number			
Akulivik, Quebec	107					
Amos Municipal, Quebec	206	4	84	110	8	(
Arctic Bay, Nunavut	97	0	87	3	7	(
Arviat, Nunavut	268 75	0	227	34	7	(
Aupaluk, Quebec Baie-Comeau, Quebec	845	18	427	230	170	
Baker Lake, Nunavut	445	0	322	32	91	
Barrie-Orillia-Lake Simcoe Regional, Ontario	718	49	151	378	139	
Bathurst, New Brunswick	496	9	352	123	12	(
Beaver Creek, Yukon	36	0	20	14	2	(
Bonaventure, Quebec	486	33	334	105	14	(
Buffalo Narrows, Saskatchewan	660	0	405	238	17	(
Burwash, Yukon	211 665	0 44	2 308	185 228	24 85	(
Cambridge Bay, Nunavut Cape Dorset, Nunavut	73	0	60	8	5	(
Charlo, New Brunswick	7.5 211	30	110	51	20	(
Chesterfield Inlet, Nunavut	97	0	97	0	0	ì
Chevery, Quebec	278	2	268	4	4	Č
Chibougamau/Chapais, Quebec	870	12	540	228	90	
Collingwood, Ontario	705	6	43	592	64	(
Comox, British Columbia	1,932	287	1,016	364	221	44
Coral Harbour, Nunavut	205	0	181	1	23	(
Dauphin, Manitoba	221	.14	118	.79	10	(
Dawson, Yukon	1,023	103	230	457	233	(
Dawson Creek, British Columbia Digby, Nova Scotia	461	23	221	193 70	24 16	(
Drummondville, Quebec	86 550	0 0	0 2	70 468	80	(
Dryden Regional, Ontario	993	48	499	320	126	(
Eastmain River, Quebec	95	0	94	1	0	(
Elliot Lake Municipal, Ontario	242	3	78	145	16	ć
Eureka, Nunavut	63	0	32	0	31	(
Faro, Yukon	110	0	16	72	22	(
Flin Flon, Manitoba	427	64	288	68	7	(
Fort Frances Municipal, Ontario	512	26	267	205	14	(
Fort Smith, Northwest Territories	974	3	431	261	279	(
Gaspé, Quebec	440 190	30 0	319 93	85 89	6 8	(
Geraldton, Ontario Gillam, Manitoba	332	0	93 156	69 164	0 12	(
Gjoa Haven, Nunavut	81	0	74	0	7	(
Goose Bay, Newfoundland and Labrador	3,265	498	1,966	74	727	ć
Hall Beach, Nunavut	189	0	161	0	28	Ò
Havre St-Pierre, Quebec	887	4	170	149	564	(
Hay River, Northwest Territories	744	16	457	257	14	(
Hearst/René Fontaine Municipal, Ontario	173	0	92	16	65	(
Igloolik, Nunavut	108	0	99	9	0	(
Inukjuak, Quebec Island Lake, Manitoba	271 913	0	543	176	194	
Isle-aux-Grues. Quebec	97	0	0	97	0	(
Ivujivik, Quebec	74	O	· ·	31	v	`
Kangiqsualujjuaq, Quebec	95					
Kangiqsujuaq, Quebec	722					
Kangirsuk, Quebec	105					
Kapuskasing, Ontario	305	2	176	65	62	(
Kegaska, Quebec	73	0	73	0	0	(
Kugaaruk, Nunavut	98	0	86	3	9	(
Kugluktuk, Nunavut Kuujjuarapik, Quebec	312 451	41	195	44	32	(
La Romaine, Quebec	45 I 85	2 0	385 82	16 3	48 0	
La Romaine, Quebec La Tabatière, Quebec	87	0	85	0	2	
Lourdes-de-Blanc-Sablon, Quebec	445	2	414	15	14	,
Matagami, Quebec	138	Ō	16	109	13	Ò
Mayo, Yukon	1,024	Ō	379	295	350	(
Miramichi, New Brunswick	846	66	261	497	22	(
Montmagny, Quebec	494	0	2	479	13	(
Moosonee, Ontario	1,548	0	1,008	307	233	(
Muskoka, Ontario	1,767	238	331	1,076	122	(
Nakina, Ontario	434	0	403	1	30	(
Natashquan, Quebec	213	0	165	14	34	(

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

	Total itinerant		Aircraft		Helicopters	Gliders
	movements	Jet	Turbo	Piston		
Norway House, Manitoba	334	2	249	39	44	0
Old Crow, Yukon	83	0	68	0	15	0
Pabok, Quebec	54	6	22	24	2	0
Pangnirtung, Nunavut	161	0	148	0	13	0
Peterborough, Ontario	667	44	34	542	45	2
Pickle Lake, Ontario	1,411	0	1,273	58	80	0
Pond Inlet. Nunavut	120	2	83	2	33	Õ
Port-Menier, Quebec	299	2	167	123	7	Ö
Puvirnituq, Quebec	345	_	107	120	'	o o
Qikiqtarjuaq, Nunavut	127	0	74	2	50	1
Quagtag, Quebec	47	U	77	2	30	'
Quesnel, British Columbia	521	13	191	192	125	0
Red Lake. Ontario	2.165	23	1,385	726	31	0
Repulse Bay, Nunavut	2,103	0	1,363	0	92	0
Repulse Bay, Nunavut	243 269	16	235	2	92 16	0
Resolute Bay, Nunavut	209 600		235 84	398	86	0
Rimouski, Quebec		32				-
Roberval, Quebec	410	12	68	276	54	0
Saint-Bruno-de-Guigues, Quebec	53	8	24	10	11	0
Salluit, Quebec	67	.:	;		4-6	
Sandspit, British Columbia	730	64	171	22	473	0
Sanikiluaq, Nunavut	96	0	96	0	0	0
Sherbrooke, Quebec	591	24	31	504	30	2
St. Anthony, Newfoundland and Labrador	287	9	254	9	15	0
St-Augustin, Quebec	138	0	136	0	2	0
St. Theresa Point, Manitoba	523	6	353	146	18	0
Stephenville, Newfoundland and Labrador	118	29	64	15	10	0
Stony Rapids, Saskatchewan	544	1	396	109	38	0
Sydney, Nova Scotia	779	213	444	93	29	0
Taloyoak, Nunavut	169	0	156	7	6	0
Tasiujag, Quebec	113					
Teslin, Yukon	44	0	2	33	9	0
Tête-à-la-Baleine, Quebec	86	0	86	0	0	0
The Pas, Manitoba	302	41	145	93	23	0
Tillsonburg, Ontario	887					
Tofino, British Columbia	1,039	31	94	698	216	0
Trois-Rivières, Quebec	1.154	21	33	993	107	0
Umiujaq, Quebec	144	<del>-</del> :				
Waskaganish, Quebec	223	Ö	203	20	0	0
Watson Lake, Yukon	515	4	66	327	118	Õ
Wemindji, Quebec	72	0	70	2	0	0
Whale Cove, Nunavut	92	0	88	2	2	0
Yorkton Municipal, Saskatchewan	565	14	91	440	20	0
Total (110)	49,636	2,294	22,736	15,214	6,290	50

Table 2-3 Itinerant movements by aircraft weight groups

	Total itinerant Maximum 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	35,00° and ove
				number				
Akulivik, Quebec	107							
Amos Municipal, Quebec	206	110	8	84	0	2	2	(
Arctic Bay, Nunavut Arviat, Nunavut	97 268	7 28	0 13	14 32	11 2	52 1	12 192	
Aupaluk, Quebec	75	20		32			192	,
Baie-Comeau, Quebec	845	276	113	112	83	140	121	(
Baker Lake, Nunavut	445	86	35	51	14	0	259	(
Barrie-Orillia-Lake Simcoe Regional, Ontario	718	400	94	168	24	14	18	
Bathurst, New Brunswick	496	111	62	99	36	74	114	
Beaver Creek, Yukon Bonaventure, Quebec	36 486	16 74	0 46	20 47	0 250	0 47	0 22	
Buffalo Narrows, Saskatchewan	660	90	134	217	155	0	64	
Burwash, Yukon	211	207	2	2	0	ő	0	
Cambridge Bay, Nunavut	665	101	212	108	40	74	82	4
Cape Dorset, Nunavut	73	11	0	10	0	52	0	
Charlo, New Brunswick	211	61	11	51	16	66	6	
Chesterfield Inlet, Nunavut	97	0	0	8	0	0	89	
Chevery, Quebec Chibougamau/Chapais, Quebec	278 870	6 221	2 173	102 143	164 55	4 183	0 95	
Collingwood, Ontario	705	629	57	10	5	4	0	
Comox, British Columbia	1,932	352	100	85	623	316	132	32
Coral Harbour, Nunavut	205	19	1	36	6	126	17	
Dauphin, Manitoba	221	89	0	118	14	0	0	
Dawson, Yukon	1,023	565	139	81	.14	0	121	10
Dawson Creek, British Columbia	461	203	21	11	128	81	16	
Digby, Nova Scotia Drummondville, Quebec	86 550	72 516	14 18	0 14	0 2	0	0	
Oryden Regional, Ontario	993	180	287	406	22	4	50	4
Eastmain River, Quebec	95	0	2	19	0	74	Ő	'
Elliot Lake Municipal, Ontario	242	145	12	74	10	1	0	
Eureka, Nunavut	63	19	0	28	2	0	14	
aro, Yukon	110	56	42	10	2	0	0	
Flin Flon, Manitoba	427 512	45 129	32 113	177 244	22 26	54 0	97 0	
Fort Frances Municipal, Ontario Fort Smith, Northwest Territories	974	444	83	126	262	5	50	
Gaspé, Quebec	440	64	27	46	2	138	163	
Geraldton, Ontario	190	36	67	68	8	0	11	
Gillam, Manitoba	332	20	171	12	2	8	119	
Gjoa Haven, Nunavut	81	2	5	12	0	29	33	
Goose Bay, Newfoundland and Labrador	3,265	590 0	226 0	920	544	361	508	11
Hall Beach, Nunavut Havre St-Pierre, Quebec	189 887	456	128	56 154	39 33	34 41	58 75	
lay River, Northwest Territories	744	50	60	159	118	113	199	4
learst/René Fontaine Municipal, Ontario	173	59	32	82	0	0	0	
gloolik, Nunavut	108	8	1	17	14	28	40	
nukjuak, Quebec	271	:	_::	:	2	:		
sland Lake, Manitoba	913	354	63	273	6	113	104	
sle-aux-Grues, Quebec vujivik, Quebec	97 74	67	30	0	0	0	0	
Kangigsualujjuag, Quebec	95	•			•	•	•	
Kangiqsujuaq, Quebec	722							
Kangirsuk, Quebec	105							
Kapuskasing, Ontario	305	87	34	174	2	8	0	
egaska, Quebec	73	.0	0	73	0	0	0	
ugaaruk, Nunavut	98	10	2	5	1	43	37	
ugluktuk, Nunavut uujjuarapik, Quebec	312 451	28 42	46 20	16 156	32 2	63 63	84 168	4
иијјиагарік, Quebec a Romaine, Quebec	451 85	0	3	74	8	0	0	
a Romanie, Quebec a Tabatière. Quebec	87	0	2	85	0	0	0	
ourdes-de-Blanc-Sablon, Quebec	445	18	13	166	124	118	6	
Matagami, Quebec	138	79	35	12	0	0	12	
layo, Yukon	1,024	460	416	117	23	0	8	
Miramichi, New Brunswick	846	457	136	86	97	60	4	
Montmagny, Quebec	494	323	169	2	0	0	0	
Aoosonee, Ontario Auskoka. Ontario	1,548 1,767	341 1,110	132 169	821 178	72 155	124 126	58 24	
Nakina, Ontario	434	28	259	97	34	126	0	

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

	Total itinerant							
	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
Natashquan, Quebec	213	40	1	94	74	0	4	0
Norway House, Manitoba	334	40	34	253	2	2	1	2
Old Crow, Yukon	83	15	2	5	2	0	57	2
Pabok, Quebec	54	22	4	4	0	18	6	0
Pangnirtung, Nunavut	161	11	0	49	0	35	66	0
Peterborough, Ontario	667	526	56	24	24	14	14	9
Pickle Lake, Ontario	1,411	82	641	301	90	53	244	0
Pond Inlet, Nunavut	120	31	4	22	11	16	33	3
Port-Menier, Quebec	299	13	117	142	3	24	0	0
Puvirnitug, Quebec	345							
Qikiqtarjuaq, Nunavut	127	46	2	16	7	22	34	0
Quagtag, Quebec	47							
Quesnel, British Columbia	521	289	11	17	198	4	2	0
Red Lake, Ontario	2,165	335	983	467	182	9	189	0
Repulse Bay, Nunavut	243	5	87	44	2	22	83	0
Resolute Bay, Nunavut	269	12	2	135	8	24	70	18
Rimouski, Quebec	600	440	38	86	0	6	30	0
Roberval, Quebec	410	272	55	33	6	2	42	0
Saint-Bruno-de-Guigues, Quebec	53	21	0	24	0	0	8	0
Salluit, Quebec	67							
Sandspit, British Columbia	730	176	15	334	42	0	137	26
Sanikiluag, Nunavut	96	0	0	17	0	4	75	0
Sherbrooke, Quebec	591	499	38	25	14	6	2	7
St. Anthony, Newfoundland and Labrador	287	22	2	63	57	123	20	0
St-Augustin, Quebec	138	2	0	63	73	0	0	0
St. Theresa Point, Manitoba	523	154	15	177	8	101	68	0
Stephenville, Newfoundland and Labrador	118	20	4	5	15	43	15	16
Stony Rapids, Saskatchewan	544	46	101	171	163	63	0	0
Sydney, Nova Scotia	779	87	60	67	4	358	2	201
Taloyoak, Nunavut	169	11	7	47	2	56	44	2
Tasiujaq, Quebec	113							
Teslin, Yukon	44	38	4	0	2	0	0	0
Tête-à-la-Baleine, Quebec	86	0	0	86	0	0	0	0
The Pas, Manitoba	302	33	49	77	6	39	98	0
Tillsonburg, Ontario	887							
Tofino, British Columbia	1,039	365	539	68	21	38	7	1
Trois-Rivières, Quebec	1,154	1,010	72	23	20	11	12	6
Umiujaq, Quebec	144							
Waskaganish, Quebec	223	12	10	8	2	187	4	0
Watson Lake, Yukon	515	329	119	22	43	2	0	0
Wemindji, Quebec	72	0	2	14	0	56	0	0
Whale Cove, Nunavut	92	4	0	8	0	1	79	0
Yorkton Municipal, Saskatchewan	565	288	196	65	8	2	6	0
Total (110)	49,636	15,253	7,342	9,624	4,393	4,201	4,736	1,035

Table 3 Local movements by type of operation

	Total local	Local civil	Local military				
	movements	movements	movements				
	number						
Amos Municipal, Quebec	287	287	0				
Arctic Bay, Nunavut	5	5	0				
Aupaluk, Quebec	98						
Baie-Comeau, Quebec	42	36	6				
Baker Lake, Nunavut	2	2	0				
Barrie-Orillia-Lake Simcoe Regional, Ontario	1,130	1,124	6				
Buffalo Narrows, Saskatchewan	_6	_6	0				
Cambridge Bay, Nunavut	54	54	0				
Chibougamau/Chapais, Quebec	28	28	0				
Collingwood, Ontario	299	299	0				
Dauphin, Manitoba	312	312	0				
Dawson Creek, British Columbia	56 37	56	0				
Digby, Nova Scotia Drummondville, Quebec	37 204	37 204	0				
Drummondville, Quebec Dryden Regional, Ontario	204 64	204 64	0				
Eastmain River, Quebec	14	14	0				
Elliot Lake Municipal, Ontario	120	120	0				
Flin Flon, Manitoba	4	4	0				
Gaspé, Quebec	2	2	0				
Geraldton, Ontario	44	44	0				
Havre St-Pierre, Quebec	6	6	0				
sland Lake, Manitoba	20	20	0				
Kangiqsujuaq, Quebec	20						
Kangirsuk, Quebec	3	•					
Kapuskasing, Ontario	46	46	0				
Kugaaruk, Nunavut	4	4	0				
Kugluktuk, Nunavut	230	230	0				
Kuujjuarapik, Quebec	14	14	0				
Lourdes-de-Blanc-Sablon, Quebec	14	14	0				
Moosonee, Ontario	42	42	0				
Muskoka, Ontario	586	586	0				
Nakina, Ontario	6	6	0				
Natashquan, Quebec	2	2	0				
Norway House, Manitoba	54	54	0				
Peterborough, Ontario	7,100	7,100	0				
Pickle Lake, Ontario	60	60	0				
Puvirnituq, Quebec	6	_;					
Quesnel, British Columbia	70	70	0				
Red Lake, Ontario	326	326	0				
Repulse Bay, Nunavut	1	1	0				
Rimouski, Quebec	242	242	0				
Roberval, Quebec	136	136	0				
Salluit, Quebec	6		·				
Sandspit, British Columbia Sherbrooke, Quebec	20 762	20 762	0				
St. Anthony, Newfoundland and Labrador	6	6	0				
St. Theresa Point, Manitoba	10	10	0				
Stony Rapids, Saskatchewan	20	20	0				
Sydney, Nova Scotia	36	36	0				
The Pas, Manitoba	64	64	0				
Fillsonburg, Ontario	1,064	07	O				
Folino, British Columbia	90	 76	14				
Frois-Rivières, Quebec	1,258	1,254	4				
Jmiujag, Quebec	10	1,207	7				
Vaskaganish, Quebec	28	28	0				
Yorkton Municipal, Saskatchewan	116	104	12				
, ,							
Total (56)	15,286	14,037	42				

### **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 or sent electronically to the Aviation Statistics Centre where they are registered and edited for clarity and reliability. Survey respondents are contacted by telephone to follow up for non-response.

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 Aviation Statistics Centre 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, the Aviation Statistics Centre 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 llford Tadoule Lake Thicket Portage Lac Brochet York Landing Little Grand Rapids

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. Aggregate data only are available for Tillsonburg, Ontario.
- 4. 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 August 2013 but were not available at the time of the release of this report:
- 1. Aklavik, Northwest Territories
- 2. Clyde River, Nunavut
- 3. Déline, Northwest Territories
- 4. Fort Liard, Northwest Territories
- 5. Fort McPherson, Northwest Territories
- 6. Fort Resolution, Northwest Territories
- 7. Fort Simpson, Northwest Territories
- 8. Gamèti/Rae Lakes, Northwest Territories
- Grise Fiord, Nunavut 9.

- 10. Kimmirut, Nunavut
- 11. Lutselk'e, Northwest Territories
- 12. Paulatuk, Northwest Territories
- 13. Prince Rupert/Digby Island, British Columbia
- 14. Prince Rupert/Seal Cove, British Columbia
- 15. Tulita, Northwest Territories
- 16. Wrigley, Northwest Territories
- b) Data for the following airports are included in August 2014 but not in August 2013. These airports have started to report data as of March 2014:
- 1. Bonaventure, Quebec
- 2. Isle-aux-Grues, Quebec
- 3. Kegaska, Quebec
- 4. La Romaine, Quebec
- 5. La Tabatière, Quebec
- 6. Matagami, Quebec
- 7. Montmagny, Quebec
- 8. St-Bruno-de-Guigues, Quebec
- 9. Tête-à-la-Baleine, Quebec

### **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**. Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 2 million revenue passengers or at least 400 thousand tonnes of cargo.
- **–Level II**. Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 100 thousand, but fewer than 2 million revenue passengers, or at least 50 thousand but less than 400 thousand tonnes of cargo.
- **–Level III.** Effective 2010, this includes every Canadian air carrier not classified in reporting level I or II that, in the calendar year immediately preceding the reporting year, realized gross revenues of at least 2 million dollars for the provision of air services for which the air carrier held a licence.
- **–Level IV**. Effective 2010, this includes every Canadian air carrier not classified in reporting level I, II or III that, in the calendar year immediately preceding the reporting year, realized gross revenues of less than 2 million dollars for the provision of air services for which the air carrier held a licence.

### Aircraft movement

A take off, a landing, or a simulated approach by an aircraft as defined in the NAV CANADA Air Traffic Control Manual of Operations (ATC MANOPS).

### 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 "state" under "Purpose" in the Canadian civil aircraft register.

### **Government-Military**

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

### 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.

### Maximum 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.

#### 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.