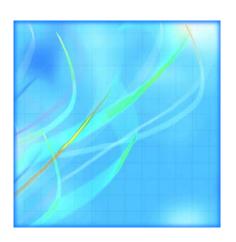
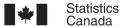
Catalogue no. 51-008-X

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



August 2012



Statistique Canada



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

# August 2012

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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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This publication was prepared by the Aviation Statistics Centre, of the Transportation Division, Statistics Canada under the general direction of **Antoine Rose**, Assistant Director, Transportation Division and **Norah Hillary**, Chief, Aviation Statistics Centre. **Kathie Davidson**, **Rose Krakower**, **Conrad Ogrodnik**, **John Scolli** and **Bev Pomfret** contributed to the preparation of this publication.

# **Table of contents**

Highlights	4
Analysis	5
Related products	6
Statistical tables	
1 Total aircraft movements by class of operation	10
2 Itinerant movements 2-1 by class and type of operation 2-2 by type of power plant 2-3 by aircraft weight groups 3 Local movements by type of operation	12 12 14 16
Data quality, concepts and methodology	
Methodology Data quality and limitations	19 20
Appendix	
I Factors influencing the data	21
II Glossary of terms	23

# **Highlights**

Goose Bay, Newfoundland and Labrador (3,486 movements) recorded the greatest number of itinerant movements in August 2012.

Peterborough, Ontario, the most active site in August 2012 recorded 2,862 local movements. This represented 21.6% of the total local reported movements registered by 55 airports without air traffic control towers.

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

	August 2011	August 2012	Percentage	Year-to-date tot	al	Percentage
		change, <sup>–</sup> August 2011 to August 2012		2011	2012	change 2011 to 2012
_	number per		percent	ent number		percent
Total	77,036	70,236	-8.8	472,924	465,898	-1.5
Itinerant movements						
Carrier	42,724	36,888	-13.7	271,235	259,893	-4.2
Other commercial	1,605	2,484	54.8	9,768	15,491	58.6
Private	8,364	8,649	3.4	39,745	45,104	13.5
Government						
Civil	2,704	1,991	-26.4	14,944	13,990	-6.4
Military	1,834	1,279	-30.3	9,773	9,733	-0.4
Total	60,860	54,604	-10.3	369,314	364,243	-1.4
Local movements						
Civil	11,696	11,847	1.3	75,621	76,038	0.6
Military	47	165	251.1	1,142	1,607	40.7
Total	13,743	13,266	-3.5	84,378	83,542	-1.0
Number of airports in the survey	137	132		137	132	

# **Analysis**

In August 2012 the number of take-offs and landings for 132 airports without air traffic control towers reached 70,236 movements. Peterborough, Ontario (3,862 movements) and Goose Bay, Newfoundland and Labrador (3,486 movements) were the most active sites. Of the 128 airports for which year-over-year comparisons were possible, 64 reported decreases.

There were 54,604 itinerant movements (flights from one airport to another) recorded by 113 airports without air traffic control towers in August 2012. Goose Bay, Newfoundland and Labrador, the most active site, recorded 3,486 take-offs and landings, up 9.6% from 2011.

Fifty-five airports without air traffic control towers reported 13,266 local movements (flights that remain in the vicinity of the airport) in August 2012. Peterborough, Ontario, the most active site, represented 21.6% of the total local reported movements. It recorded 2,862 take-offs and landings, down 15.7% from 2011.

# **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
51-206-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
401-0021	Monthly aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0022	Monthly itinerant movements, by weight group and type of power plant, airports without air traffic control towers
401-0023	Aircraft movements, by class of operation, airports with NAV CANADA towers, annual
401-0024	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, annual
401-0025	Itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0026	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, annual
401-0027	Itinerant movements, by type of power plant, airports with NAV CANADA towers, annual
401-0028	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, annual
401-0029	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0030	Aircraft movements, by class of operation, airports with NAV CANADA flight service stations, annual
401-0031	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, annual
401-0032	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0033	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, annual
401-0034	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, annual

401-0035	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, annual
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		
Akulivik, Quebec		115	115	0
Amos Municipal, Quebec	31	446	150	296
Arctic Bay, Nunavut	22	64	60	4
Arviat, Nunavut	28	251 169	251 77	0 92
Aupaluk, Quebec Baie-Comeau, Quebec	31	934	934	92
Baker Lake, Nunavut	31	877	871	6
Barrie-Orillia-Lake Simcoe Regional, Ontario	31	2,340	772	1,568
Bathurst, New Brunswick	31	358	358	Ć
Beaver Creek, Yukon	15	36	36	C
Berens River, Manitoba	••	264	••	
Bloodvein River, Manitoba	••	152		-
Brochet, Manitoba		106 515	 545	
Bromont, Quebec Buffalo Narrows, Saskatchewan	30 30	942	515 916	() 26
Burwash, Yukon	25	360	360	20
Cambridge Bay, Nunavut	31	718	652	66
Cape Dorset, Nunavut	15	50	50	(
Charlo, New Brunswick	30	487	487	Č
Chesterfield Inlet, Nunavut	30	170	170	(
Chevery, Quebec	27	285	285	(
Chibougamau/Chapais, Quebec	31	854	830	24
Collingwood, Ontario	31	1,301	952	349
Comox, British Columbia	31	2,093	2,093	(
Coral Harbour, Nunavut Cross Lake, Manitoba	31	308 155	307	1
Dauphin, Manitoba	 29	266	190	76
Dawson, Yukon	31	1,191	1,191	(
Dawson Creek, British Columbia	31	1,560	804	756
Déline, Northwest Territories	28	186	186	(
Digby, Nova Scotia	25	203	130	73
Drummondville, Quebec	31	1,079	543	536
Oryden Regional, Ontario	31	1,201	1,152	49
Eastmain River, Quebec	25	117	115	2
Iliot Lake Municipal, Ontario	30	389	347	42
Eureka, Nunavut	12 1	42 2	42 2	(
Faro, Yukon Flin Flon, Manitoba	31	604	604	(
Fort Frances Municipal, Ontario	31	713	713	(
Fort Liard, Northwest Territories	17	56	56	Č
Fort McPherson, Northwest Territories	7	18	18	Č
Fort Resolution, Northwest Territories	14	39	39	(
Fort Simpson, Northwest Territories	31	260	260	(
Samètì/Rae Lakes, Northwest Territories	26	127	127	(
Saspé, Quebec	31	441	441	(
Geraldton, Ontario	30 26	365	331	34
Gillam, Manitoba Gioa Haven, Nunavut	28	272 153	272 153	(
Bods Lake Narrows, Manitoba		129		,
Gods River, Manitoba	**	123		•
Boose Bay, Newfoundland and Labrador	 31	3,486	3,486	
Grise Fiord, Nunavut	7	15	15	ĺ
Iall Beach, Nunavut	29	408	408	
lavre St-Pierre, Quebec	31	1,096	1,096	(
lay River, Northwest Territories	31	639	635	•
learst/René Fontaine Municipal, Ontario	25	99	99	(
gloolik, Nunavut	28	156	156	(
ford, Manitoba	••	24 236	236	
nukjuak, Quebec sland Lake, Manitoba	31	1,170	236 1,168	2
/ujivik, Quebec	31	1,170	1,100	1(
Kangiqsualujjuaq, Quebec		144	144	(
Kangirsuk, Quebec	:	140	112	28
Kapuskasing, Ontario	30	395	273	12:
Cimmirut, Nunavut	16	65	65	(
Kugaaruk, Nunavut	27	113	113	(
Kugluktuk, Nunavut	31	746	518	228
Kuujjuarapik, Quebec	31	637	621	16

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		142		
Little Grand Rapids, Manitoba	a::	106	:	.::
Lourdes-de-Blanc-Sablon, Quebec	31	496	472	24
Lutselk'e, Northwest Territories	23 31	151 956	151 935	0 21
Mayo, Yukon Miramichi, New Brunswick	30	956 552	552	0
Moosonee, Ontario	30	1,660	1,656	4
Muskoka, Ontario	31	2,431	1,863	568
Nakina, Ontario	31	447	443	4
Natashquan, Quebec	29	243	243	0
Norway House, Manitoba	31	499	499	0
Old Crow, Yukon	29	99	99	0
Oxford House, Manitoba		276		
Pabok, Quebec	15	39	39	0
Pangnirtung, Nunavut	30	216	215	1
Paulatuk, Northwest Territories	17	52	52	0
Peterborough, Ontario	31	3,862	1,000	2,862
Pickle Lake, Ontario	30	1,497 14	1,493	4
Pikwitonei, Manitoba Pond Inlet, Nunavut	 25	117	 117	0
Poplar River, Manitoba	25	196	117	U
Port-Menier, Quebec	23	183	183	0
Prince Rupert/Digby Island, British Columbia	24	386	386	0
Prince Rupert/Seal Cove, British Columbia	31	1,403	1,401	ž
Pukatawagan, Manitoba		211	.,	
Puvirnitug, Quebec		482	430	52
Qikiqtarjuaq, Nunavut	27	104	103	1
Quaqtaq, Quebec		131	131	0
Quesnel, British Columbia	31	692	616	76
Red Lake, Ontario	31	2,646	2,443	203
Red Sucker Lake, Manitoba	22	160	=	_::
Repulse Bay, Nunavut	30	256	200	56
Resolute Bay, Nunavut	31	282	282	0
Rimouski, Quebec	29	619	467	152
Roberval, Quebec Sachs Harbour, Northwest Territories	31 13	494 40	458 40	36 0
Salluit, Quebec	13	324	164	160
Sandspit, British Columbia	31	752	750	2
Shamattawa, Manitoba		178	700	_
Sherbrooke, Quebec	31	1,329	491	838
South Indian Lake, Manitoba		32		
St. Anthony, Newfoundland and Labrador	31	300	300	0
St-Augustin, Quebec	15	88	88	0
St. Theresa Point, Manitoba	31	654	654	0
Stephenville, Newfoundland and Labrador	30	211	199	12
Stony Rapids, Saskatchewan	31	944	944	0
Sydney, Nova Scotia	31	774	750	24
Tadoule Lake, Manitoba		63		
Taloyoak, Nunavut	31	155	153	2
Tasiujaq, Quebec Teslin, Yukon	10	117 27	117 27	0
The Pas, Manitoba	31	408	408	0
Thicket Portage, Manitoba	31	6	400	O
Tillsonburg, Ontario		1,306	468	838
Tofino, British Columbia	 31	895	817	78
Trois-Rivières, Quebec	26	1,121	629	492
Umiujaq, Quebec		246	172	74
Waskaganish, Quebec	15	134	122	12
Watson Lake, Yukon	31	743	737	6
Welland/Niagara Central, Ontario	30	1,867	67	1,800
Wemindji, Quebec	24	131	131	0
Whale Cove, Nunavut	26	172	172	0
York Landing, Manitoba	o	29		
Yorkton Municipal, Saskatchewan	31	1,471	1,019	452
Total (132)	31	70,236	54,604	13,266

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

	Total itinerant		Domestic		Inte	rnational		Government	
	movements -	Carrier	Other commercial	Private	Carrier cor	Other mmercial	Private	Civil	Military
_	number								
Akulivik, Quebec	115	:	2	_ :	<u>.</u>	·	2		_
Amos Municipal, Quebec	150	72		64	0	0	0	10	2
Arctic Bay, Nunavut Arviat, Nunavut	60 251	59 232	0 0	1 19	0 0	0 0	0 0	0 0	0
Aupaluk, Quebec	77	202	U	13	O	U	U	U	·
Baie-Comeau, Quebec	934	720	27	93	0	Ö	2	82	10
Baker Lake, Nunavut	871	808	0	61	0	0	0	2	C
Barrie-Orillia-Lake Simcoe Regional, Ontario	772	278		365	5	1	49	45	4
Bathurst, New Brunswick	358	267	3	40	16	6	16	10	(
Beaver Creek, Yukon Bromont, Quebec	36 515	4 68	0 116	19 273	0 3	0 5	13 10	0 32	C 8
Buffalo Narrows, Saskatchewan	916	773	6	40	0	0	0	97	C
Burwash, Yukon	360	337	Ö	22	Ö	Ö	1	0	Č
Cambridge Bay, Nunavut	652	492	0	148	0	0	0	9	3
Cape Dorset, Nunavut	50	49	0	1	0	0	0	0	C
Charlo, New Brunswick	487	32		49	0	0	4	12	8
Chesterfield Inlet, Nunavut Chevery, Quebec	170 285	170 244		0 25	0 0	0 0	0 0	0 2	(
Chevery, Quebec Chibougamau/Chapais, Quebec	830	706		25 97	1	0	0	18	(
Collingwood, Ontario	952	187	57	705	Ö	Ö	ő	1	2
Comox, British Columbia	2,093	1,253		24	2	Ö	2	67	738
Coral Harbour, Nunavut	307	300		4	0	0	0	2	C
Dauphin, Manitoba	190	112		55	2	0	4	4	C
Dawson, Yukon Dawson Creek, British Columbia	1,191 804	821 326	8 113	332 363	20 0	0 0	10 0	0 2	C
Déline, Northwest Territories	186	179		303	0	0	0	4	0
Digby, Nova Scotia	130	37	5	82	ő	0	2	4	Č
Drummondville, Quebec	543	80		430	Ō	Ö	5	0	Ö
Dryden Regional, Ontario	1,152	580	282	102	3	0	6	147	32
Eastmain River, Quebec	115	113	0	0	0	0	0	0	2
Elliot Lake Municipal, Ontario	347	228	44	68	2	0	1	4	0
Eureka, Nunavut Faro, Yukon	42 2	40 2		0 0	0 0	0 0	0 0	0 0	2
Flin Flon, Manitoba	604	467	8	60	0	0	14	53	2
Fort Frances Municipal, Ontario	713	430		169	2	Ö	85	4	Č
Fort Liard, Northwest Territories	56	54		2	0	0	0	0	(
Fort McPherson, Northwest Territories	18	8	0	2	0	0	0	8	C
Fort Resolution, Northwest Territories	39	31	0	2	0	0	0	4	2
Fort Simpson, Northwest Territories Gamèti/Rae Lakes, Northwest Territories	260 127	202 116		26 0	0 0	0 0	0	16 11	4
Gaspé, Quebec	441	328		42	1	Ö	ő	46	8
Geraldton, Ontario	331	87	145	16	1	Ö	2	68	12
Gillam, Manitoba	272	253	0	19	0	0	0	0	C
Gjoa Haven, Nunavut	153	130		21	0	0	0	2	C
Goose Bay, Newfoundland and Labrador	3,486	2,604		107	99	27	161	160	236
Grise Fiord, Nunavut Hall Beach, Nunavut	15 408	15 380		0 6	0 0	0 0	0 0	0 14	2
Havre St-Pierre, Quebec	1,096	788		278	0	0	0	22	0
Hay River, Northwest Territories	635	518		36	2	Ö	Ö	58	Č
Hearst/René Fontaine Municipal, Ontario	99	65	3	23	0	0	0	8	(
Igloolik, Nunavut	156	146	0	2	0	0	0	2	6
Inukjuak, Quebec	236	4 400					;		,
Island Lake, Manitoba Ivujivik, Quebec	1,168 154	1,120	0	37	0	0	1	10	(
Kangiqsualujjuaq, Quebec	144	•	•	•	•	•	•	-	
Kangirsuk, Quebec	112								
Kapuskasing, Ontario	273	266		7	0	0	0	0	(
Kimmirut, Nunavut	65	47		0	0	0	0	18	(
Kugaaruk, Nunavut	113	113		0	0	0	0	0	(
Kugluktuk, Nunavut Kuujjuarapik, Quebec	518 621	501 599	0 0	15 12	0 0	0 0	0 0	0 10	2
Kuujjuarapik, Quebec Lourdes-de-Blanc-Sablon, Quebec	472	415		28	0	0	1	22	(
Lutselk'e, Northwest Territories	151	136		3	0	0	ó	8	(
Mayo, Yukon	935	893	2	40	Ö	Ö	ő	Ö	(
Miramichi, New Brunswick	552	225	21	285	0	0	1	18	2
Moosonee, Ontario	1,656	1,605		8	1	0	0	39	(
Muskoka, Ontario	1,863	662	176	688	109	1	118	74	35

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

	Total itinerant	[	Domestic		Int	ernational		Government	
	movements -	Carrier co	Other ommercial	Private	Carrier co	Other mmercial	Private	Civil	Military
				nu	ımber				
Nakina, Ontario	443	436	0	7	0	0	0	0	0
Natashquan, Quebec	243	188	2	49	0	0	0	4	0
Norway House, Manitoba	499	461	1	17	0	0	0	20	0
Old Crow, Yukon	99	89	0	6	4	0	0	0	0
Pabok, Quebec	39	4	3	11	0	0	1	20	0
Pangnirtung, Nunavut	215	198	0	2	7	0	0	2	6
Paulatuk, Northwest Territories	52	42	2	0	0	0	0	4	4
Peterborough, Ontario	1.000	240	148	569	0	0	0	23	20
Pickle Lake, Ontario	1,493	1.327	54	30	4	Ö	7	71	0
Pond Inlet. Nunavut	117	108	2	0	0	0	0	6	ĺ
Port-Menier, Quebec	183	181	0	2	Ô	Ö	Õ	Õ	0
Prince Rupert/Digby Island, British Columbia	386	386	ŏ	0	Ö	ő	ő	Ö	0
Prince Rupert/Seal Cove, British Columbia	1,401	1,208	2	51	4	0	17	117	2
Puvirnitug, Quebec	430	1,200	2	31	7	U	17	117	2
Qikiqtarjuaq, Nunavut	103	98	0	1	0	0	0	0	4
Quagtag, Quebec	131	30	U	į	U	U	U	U	-
Quesnel. British Columbia	616	234	11	356	0	1	2	12	0
Red Lake. Ontario	2.443	2.054	199	96	5	0	13	58	18
			199	96	5 1	0	0	0	
Repulse Bay, Nunavut	200	193	3	6			0		6
Resolute Bay, Nunavut	282	237			2	0	0	19	15
Rimouski, Quebec	467	76	14	351	0	0		26	0
Roberval, Quebec	458	266	43	117	0	0	0	24	8
Sachs Harbour, Northwest Territories	40	38	0	0	0	0	0	2	0
Salluit, Quebec	164			:	:	:	:		
Sandspit, British Columbia	750	686	0	45	0	0	1	16	2
Sherbrooke, Quebec	491	100	45	324	2	0	10	6	4
St. Anthony, Newfoundland and Labrador	300	211	2	18	0	0	0	69	0
St-Augustin, Quebec	88	63	8	17	0	0	0	0	0
St. Theresa Point, Manitoba	654	642	0	6	0	0	0	6	0
Stephenville, Newfoundland and Labrador	199	63	78	11	13	0	12	19	3
Stony Rapids, Saskatchewan	944	912	2	9	0	0	1	20	0
Sydney, Nova Scotia	750	633	2	40	24	0	27	22	2
Taloyoak, Nunavut	153	149	0	4	0	0	0	0	0
Tasiujaq, Quebec	117					-			
Teslin, Yukon	27	14	0	11	0	0	0	2	0
The Pas, Manitoba	408	275	4	29	0	0	3	93	4
Tillsonburg, Ontario	468								
Tofino, British Columbia	817	460	16	245	0	0	12	77	7
Trois-Rivières, Quebec	629	286	30	307	0	0	0	0	6
Umiujaq, Quebec	172								
Waskaganish, Quebec	122	121	1	0	0	0	0	0	0
Watson Lake, Yukon	737	491	25	204	0	0	2	10	5
Welland/Niagara Central, Ontario	67	4	4	59	0	0	0	0	0
Wemindji, Quebec	131	129	2	0	0	0	0	0	0
Whale Cove, Nunavut	172	172	0	0	0	0	0	0	0
Yorkton Municipal, Saskatchewan	1,019	640	94	230	0	0	1	14	40
Total (113)	54,604	36,888	2,484	8,649	335	41	617	1,991	1,279

Table 2-2 Itinerant movements by type of power plant

	Total itinerant	movements		Helicopters	Glider	
	movements	Jet	Turbo	Piston		
			number			
Akulivik, Quebec	115		:	_:	. :	
Amos Municipal, Quebec	150	12	50 50	72	16	
Arctic Bay, Nunavut Arviat, Nunavut	60 251	0 0	58 220	1 20	1 11	
Aupaluk, Quebec	77	U	220	20	11	
Baie-Comeau, Quebec	934	35	671	125	103	
Baker Lake, Nunavut	871	0	375	233	263	
Barrie-Orillia-Lake Simcoe Regional, Ontario	772	65	98	481	127	
Bathurst, New Brunswick	358	6	263	79	10	
Beaver Creek, Yukon	36	0	2	27	7	
Bromont, Quebec Buffalo Narrows, Saskatchewan	515 916	22 0	56	386	51 98	
Burwash, Yukon	360	0	626 0	192 152	208	
Cambridge Bay, Nunavut	652	87	322	201	42	
Cape Dorset, Nunavut	50	0	50	0	0	
Charlo, New Brunswick	487	15	56	400	16	
Chesterfield Inlet, Nunavut	170	0	169	0	1	
Chevery, Quebec	285	0	243	23	19	
Chibougamau/Chapais, Quebec	830	9	551	106	164	
Collingwood, Ontario	952	4	32	827	85	
Comox, British Columbia	2,093	302	1,108	379	272	3
Coral Harbour, Nunavut	307	0	200	2 75	105	
Dauphin, Manitoba Dawson, Yukon	190 1,191	4 0	92 173	604	19 414	
Dawson Creek. British Columbia	804	11	245	482	66	
Déline, Northwest Territories	186	0	128	56	2	
Digby, Nova Scotia	130	Ö	2	118	10	
Orummondville, Quebec	543	2	3	489	47	
Oryden Regional, Ontario	1,152	31	584	372	165	
astmain River, Quebec	115	0	112	0	3	
Elliot Lake Municipal, Ontario	347	0	198	117	30	
ureka, Nunavut	42	0	34	0	8	
Faro, Yukon	2	0	0	0	2	
Flin Flon, Manitoba Fort Frances Municipal, Ontario	604 713	17 15	428 377	139 285	20 36	
Fort Liard, Northwest Territories	7 13 56	0	0	265 8	48	
Fort McPherson, Northwest Territories	18	0	18	0	0	
Fort Resolution, Northwest Territories	39	Ö	18	9	12	
Fort Simpson, Northwest Territories	260	5	153	83	19	
Samèti/Rae Lakes, Northwest Territories	127	0	119	6	2	
Gaspé, Quebec	441	17	312	91	21	
Geraldton, Ontario	331	10	151	156	14	
Gillam, Manitoba	272	0	116	154	2	
Sjoa Haven, Nunavut	153	2	140	2 77	9	
Goose Bay, Newfoundland and Labrador Grise Fiord, Nunavut	3,486 15	502 0	2,172 13	0	735 2	
Hall Beach, Nunavut	408	0	252	2	154	
lavre St-Pierre, Quebec	1.096	2	222	204	668	
lay River, Northwest Territories	635	6	375	218	36	
learst/René Fontaine Municipal, Ontario	99	0	54	22	23	
gloolik, Nunavut	156	1	136	1	18	
nukjuak, Quebec	236					
sland Lake, Manitoba	1,168	2	698	247	221	
/ujivik, Quebec	154	•	•	•	•	
angiqsualujjuaq, Quebec angirsuk, Quebec	144 112	•	•	•	•	
angirsuk, Quebec apuskasing, Ontario	273	0	263	0	10	
immirut, Nunavut	65	0	57	0	8	
ugaaruk, Nunavut	113	0	108	0	5	
(ugluktuk, Nunavut	518	110	218	42	148	
Kuujjuarapik, Quebec	621	4	479	4	134	
ourdes-de-Blanc-Sablon, Quebec	472	8	412	38	14	
utselk'e, Northwest Territories	151	0	99	50	2	
Mayo, Yukon	935	0	402	359	174	
/liramichi, New Brunswick	552	21	170	331	30	
Moosonee, Ontario	1,656	0	951	520	185	
Muskoka, Ontario	1,863	207	377	1,172	107	
Nakina, Ontario	443	0	404	9	30	

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

	Total itinerant Aircraft				Helicopters	Gliders
	movements	Jet	Turbo	Piston		
			number			
Natashguan, Quebec	243	2	144	24	73	(
Norway House, Manitoba	499	0	332	41	126	(
Old Crow, Yukon	99	0	77	6	16	Ċ
Pabok, Quebec	39	0	28	11	Ō	Ċ
Pangnirtung, Nunavut	215	0	180	2	33	Ċ
Paulatuk, Northwest Territories	52	0	37	12	3	Ċ
Peterborough, Ontario	1,000	42	29	895	34	Č
Pickle Lake, Ontario	1,493	6	1,336	74	77	č
Pond Inlet. Nunavut	117	Õ	98	0	19	č
Port-Menier, Quebec	183	4	53	126	0	Č
Prince Rupert/Digby Island, British Columbia	386	Ó	0	386	Õ	Č
Prince Rupert/Seal Cove, British Columbia	1,401	0	45	1,096	260	(
Puvirnitug, Quebec	430	U	40	1,000	200	
Qikiqtarjuaq, Nunavut	103	0	86	i	16	
	131	U	00	'	10	7
Quaqtaq, Quebec Quesnel, British Columbia	616	21	185	345	65	
Red Lake, Ontario	2,443	18	1,704	566	155	(
		0		0	34	(
Repulse Bay, Nunavut	200 282		166 240	0	34 40	(
Resolute Bay, Nunavut		2				
Rimouski, Quebec	467	12	59	357	39	(
Roberval, Quebec	458	9	159	195	95	(
Sachs Harbour, Northwest Territories	40	0	30	10	0	(
Salluit, Quebec	164	-:	:	:		;
Sandspit, British Columbia	750	72	174	2	502	(
Sherbrooke, Quebec	491	6	22	443	20	(
St. Anthony, Newfoundland and Labrador	300	6	278	11	5	(
St-Augustin, Quebec	88	3	70	10	3	2
St. Theresa Point, Manitoba	654	6	497	131	20	(
Stephenville, Newfoundland and Labrador	199	35	58	85	21	(
Stony Rapids, Saskatchewan	944	2	677	248	17	(
Sydney, Nova Scotia	750	180	470	69	31	(
Taloyoak, Nunavut	153	0	147	4	2	(
Tasiujaq, Quebec	117					
Teslin, Yukon	27	0	2	21	4	(
The Pas, Manitoba	408	10	240	142	16	(
Tillsonburg, Ontario	468					
Tofino, British Columbia	817	31	109	473	204	(
Trois-Rivières, Quebec	629	17	18	520	70	4
Umiujaq, Quebec	172					
Waskaganish, Quebec	122	0	110	8	4	
Watson Lake, Yukon	737	0	82	372	283	Č
Welland/Niagara Central, Ontario	67	2	0	65	0	č
Wemindji, Quebec	131	0	121	0	10	Č
Whale Cove, Nunavut	172	Õ	134	Õ	38	Č
Yorkton Municipal, Saskatchewan	1,019	16	222	710	71	(
Total (113)	54,604	2,036	24,834	17,709	7,658	47

Table 2-3 Itinerant movements by aircraft weight groups

	Total itinerant		N	/laximum take	e-off weight i	n 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				
Akulivik, Quebec	115		:		:	:		:
Amos Municipal, Quebec Arctic Bay, Nunavut	150 60	82 2	4 0	50 9	4 2	0 47	10 0	0
Arviat, Nunavut	251	28	3	14	0	68	138	0
Aupaluk, Quebec	77							
Baie-Comeau, Quebec	934	166	80	274	160	111	143	0
Baker Lake, Nunavut Barrie-Orillia-Lake Simcoe Regional, Ontario	871 772	213 531	283 70	53 106	16 40	48 19	258 6	0
Bathurst, New Brunswick	358	45	86	100	8	60	57	0
Beaver Creek, Yukon	36	27	2	7	Ö	0	0	Ö
Bromont, Quebec	515	414	19	62	. 1	8	_1	10
Buffalo Narrows, Saskatchewan	916 360	63 356	113 2	516 2	190 0	0	34 0	0
Burwash, Yukon Cambridge Bay, Nunavut	652	55	156	162	37	34	119	89
Cape Dorset, Nunavut	50	0	0	6	0	44	0	0
Charlo, New Brunswick	487	410	6	48	8	6	1	8
Chesterfield Inlet, Nunavut	170	1	0	2	0	56	111	0
Chevery, Quebec Chibougamau/Chapais, Quebec	285 830	42 234	0 84	108 228	135 38	0 184	0 62	0
Collingwood, Ontario	952	875	64	9	4	0	0	0
Comox, British Columbia	2,093	312	107	214	462	524	126	348
Coral Harbour, Nunavut	307	107	0	20	0	164	16	O
Dauphin, Manitoba	190 1,191	72 886	18 130	94 21	6 4	0	0 150	0
Dawson, Yukon Dawson Creek, British Columbia	804	520	22	16	143	77	26	0
Déline, Northwest Territories	186	9	73	39	41	2	22	0
Digby, Nova Scotia	130	102	26	0	2	0	0	0
Drummondville, Quebec	543	510	29	2	2	0	0	0
Oryden Regional, Ontario Eastmain River, Quebec	1,152 115	290 3	236 0	522 16	23 12	26 84	51 0	4
Elliot Lake Municipal, Ontario	347	133	4	188	12	10	0	0
Eureka, Nunavut	42	6	0	30	2	2	2	0
Faro, Yukon	2	2	0	0	. 0	0	_0	0
Flin Flon, Manitoba	604 713	92 265	65 81	310 351	15 8	43 4	77 4	2
Fort Frances Municipal, Ontario Fort Liard, Northwest Territories	713 56	265 54	2	0	0	0	0	0
Fort McPherson, Northwest Territories	18	0	2	16	Ö	Ö	Ö	Ö
Fort Resolution, Northwest Territories	39	12	9	13	1	4	0	0
Fort Simpson, Northwest Territories	260	77	67	42	34	6	33 4	1
Gamètì/Rae Lakes, Northwest Territories Gaspé, Quebec	127 441	2 40	64 66	53 36	4 8	0 226	64	0
Geraldton, Ontario	331	63	125	85	34	0	24	Ö
Gillam, Manitoba	272	17	141	20	0	93	1	0
Gjoa Haven, Nunavut	153	2	0	57	2	_33	57	
Goose Bay, Newfoundland and Labrador Grise Fiord. Nunavut	3,486 15	513 2	248 0	1,141 13	588 0	529 0	327 0	140 0
Hall Beach, Nunavut	408	60	64	133	24	86	35	6
Havre St-Pierre, Quebec	1,096	688	184	69	68	14	73	Č
lay River, Northwest Territories	635	49	91	125	137	116	116	1
Hearst/René Fontaine Municipal, Ontario	99 156	22 13	17 2	58 44	0 10	0 39	2 46	2
gloolik, Nunavut nukjuak, Quebec	236	13	2	44	10	39	40	2
sland Lake, Manitoba	1,168	413	 59	463	3	147	83	Ċ
vujivik, Quebec	154					-	-	
Kangiqsualujjuaq, Quebec	144							
angirsuk, Quebec apuskasing, Ontario	112 273	6	0	 241	0	0	26	Ċ
immirut, Nunavut	65	4	4	57	0	0	0	(
Kugaaruk, Nunavut	113	5	0	26	0	39	43	Ċ
ugluktuk, Nunavut	518	162	32	102	12	20	84	106
(uujjuarapik, Quebec .ourdes-de-Blanc-Sablon, Quebec	621 472	132 28	4 22	217 205	0 96	98 115	170	C
utselk'e, Northwest Territories	151	28 22	76	205 47	96 6	0	6 0	C
Mayo, Yukon	935	318	517	84	4	ő	12	Ö
Miramichi, New Brunswick	552	246	193	46	36	16	10	5
Moosonee, Ontario	1,656	343	270	677	195	119	52	0
Muskoka, Ontario	1,863	1,151	182	256	136	90	23	25

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

	Total itinerant		N	/laximum take	e-off weight i	n 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				
Nakina, Ontario	443	21	253	154	15	0	0	0
Natashquan, Quebec	243	89	12	69	72	ĭ	Ö	ő
Norway House, Manitoba	499	145	24	330	0	0	0	0
Old Crow, Yukon	99	20	2	4	8	ő	61	4
Pabok, Quebec	39	8	3	4	2	20	2	Ö
Pangnirtung, Nunavut	215	26	2	25	13	65	84	ő
Paulatuk, Northwest Territories	52	3	0	37	0	12	0	ő
Peterborough, Ontario	1.000	857	68	19	32	16	ž	6
Pickle Lake, Ontario	1,493	52	778	268	106	20	269	0
Pond Inlet. Nunavut	117	18	0	32	12	30	24	ĭ
Port-Menier, Quebec	183	0	126	15	18	24	0	Ö
Prince Rupert/Digby Island, British Columbia	386	0	386	0	0	0	0	0
Prince Rupert/Seal Cove, British Columbia	1,401	149	1,141	109	0	2	0	0
Puvirnitug, Quebec	430	143	,		U	2	U	U
Qikiqtarjuaq, Nunavut	103	11	0	 19	10	22	41	0
Quagtaq, Quebec	131	11			10	22	71	U
Quesnel, British Columbia	616	363	63	 16	174	0	0	0
Red Lake, Ontario	2,443	415	873	668	235	15	229	8
	2,443	28	6	28	233	97	41	0
Repulse Bay, Nunavut	282	25	13		10	11	70	17
Resolute Bay, Nunavut				136				
Rimouski, Quebec	467	330	67	54	1	6	9	0
Roberval, Quebec	458	226	76	91	39	4	22	0
Sachs Harbour, Northwest Territories	40	0	0	30	0	10	0	0
Salluit, Quebec	164		.:					
Sandspit, British Columbia	750	207	14	318	31	67	91	22
Sherbrooke, Quebec	491	444	20	19	_0	6	0	2
St. Anthony, Newfoundland and Labrador	300	11	6	71	75	136	0	1
St-Augustin, Quebec	88	10	5	52	18	0	3	0
St. Theresa Point, Manitoba	654	139	14	310	11	175	.5	0
Stephenville, Newfoundland and Labrador	199	14	90	4	9	48	16	18
Stony Rapids, Saskatchewan	944	25	250	298	224	140	.7	
Sydney, Nova Scotia	750	60	57	89	12	378	12	142
Taloyoak, Nunavut	153	6	0	24	6	77	38	2
Tasiujaq, Quebec	117							
Teslin, Yukon	27	19	6	2	0	0	0	0
The Pas, Manitoba	408	41	93	124	10	35	105	0
Tillsonburg, Ontario	468							
Tofino, British Columbia	817	326	340	51	36	54	10	0
Trois-Rivières, Quebec	629	512	80	14	4	10	6	3
Umiujaq, Quebec	172							
Waskaganish, Quebec	122	8	4	10	8	92	0	0
Watson Lake, Yukon	737	509	99	67	56	6	0	0
Welland/Niagara Central, Ontario	67	51	14	0	0	0	2	0
Wemindji, Quebec	131	10	0	23	4	94	0	0
Whale Cove, Nunavut	172	38	0	2	0	46	86	0
Yorkton Municipal, Saskatchewan	1,019	504	345	134	27	7	0	2
Total (113)	54,604	17,017	9,534	11,627	4,051	5,137	3,940	978

Table 3 Local movements by type of operation

	Total local	Local civil	Local military
	movements	movements	movements
		number	
Amos Municipal, Quebec	296	296	0
Arctic Bay, Nunavut	4	4	0
Aupaluk, Quebec	92		
Baker Lake, Nunavut	6	6	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	1,568	1,568	0
Buffalo Narrows, Saskatchewan	26	26	0
Cambridge Bay, Nunavut	66	66	0
Chibougamau/Chapais, Quebec	24	24	0
Collingwood, Ontario	349	345	4
Coral Harbour, Nunavut	1	1	0
Dauphin, Manitoba	76	76	0
Dawson Creek, British Columbia	756	756	0
Digby, Nova Scotia	73	73	0
Drummondville, Quebec	536	536	0
Oryden Regional, Ontario	49	49	0
Eastmain River, Quebec	2	2	0
Elliot Lake Municipal, Ontario	42	42	0
Geraldton, Ontario	34	34	0
Hay River, Northwest Territories	4	4	0
sland Lake, Manitoba	2	2	0
vujivik, Quebec	10	-	ű
Kangirsuk, Quebec	28	•	•
Kapuskasing, Ontario	122	122	
Kugluktuk, Nunavut	228	228	0
Kuujjuarapik, Quebec	16	16	0
Lourdes-de-Blanc-Sablon, Quebec	24	24	0
Mayo, Yukon	21	21	0
		4	
Moosonee, Ontario	4	•	0
Muskoka, Ontario	568	548	20
Nakina, Ontario	4	4	0
Pangnirtung, Nunavut	1	0	1
Peterborough, Ontario	2,862	2,838	24
Pickle Lake, Ontario	4	4	0
Prince Rupert/Seal Cove, British Columbia	2	2	0
Puvirnituq, Quebec	52	•	•
Qikiqtarjuaq, Nunavut	1	1	0
Quesnel, British Columbia	76	46	30
Red Lake, Ontario	203	151	52
Repulse Bay, Nunavut	56	56	0
Rimouski, Quebec	152	152	0
Roberval, Quebec	36	36	0
Salluit, Quebec	160		
Sandspit, British Columbia	2	2	0
Sherbrooke, Quebec	838	838	0
Stephenville, Newfoundland and Labrador	12	12	0
Sydney, Nova Scotia	24	24	0
aloyoak, Nunavut	2	2	0
illsonburg, Ontario	838		
ofino, British Columbia	78	60	18
rois-Rivières, Quebec	492	492	
Jmiujaq, Quebec	74	·	· ·
Vaskaganish, Quebec	12	12	0
Vatson Lake, Yukon	6	6	0
Velland/Niagara Central, Ontario	1,800	1,800	0
Yorkton Municipal, Saskatchewan	452	436	16
orkion mariopai, oaskatonewan	702	450	10
otal (55)	13,266	11,847	165

# **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 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. 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 2011 but were not available at the time of the release of this report:
- 1. Clyde River, Nunavut
- 2. Fort Good Hope, Northwest Territories
- 3. Fort Smith, Northwest Territories
- 4. Sanikiluaq, Nunavut
- 5. Tuktoyaktuk, Northwest Territories
- 6. Tulita, Northwest Territories
- 7. Ulukhakot/Holman, Northwest Territories
- 8. Wrigley, Northwest Territories

- b) Data for the following airports are included in August 2012 but not in August, 2011:
- Fort McPherson, Northwest Territories
- 2. Grise Fiord, Nunavut
- 3. Nakina, Ontario

# **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. 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.

# 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.