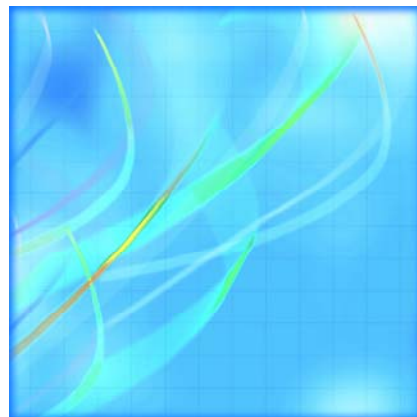


Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)



November 2010



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- . 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

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

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Highlights

- Moosonee, Ontario recorded 2,911 itinerant movements in November 2010, up 39.5% from 2009. This represented 7.6% of the total itinerant movements.
- Guelph, Ontario (2,789 movements) followed by Peterborough, Ontario (2,308 movements) reported the greatest number of local movements in November 2010.

Text table 1

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

	November 2009	November 2010	Percentage change, November 2009 to November 2010	Year-to-date total		Percentage change 2009 to 2010
				2009	2010	
	number		percent	number		percent
Total	51,111	53,765	5.2	597,731	638,083	6.8
Itinerant movements						
Carrier	27,261	28,963	6.2	316,061	345,680	9.4
Other commercial	994	924	-7.0	17,042	13,362	-21.6
Private	3,633	3,525	-3.0	50,523	54,963	8.8
Government						
Civil	1,054	966	-8.3	16,463	18,725	13.7
Military	791	749	-5.3	11,455	12,739	11.2
Total	36,575	38,297	4.7	444,750	480,053	7.9
Local movements						
Civil	11,134	11,878	6.7	115,755	121,476	4.9
Military	187	52	-72.2	4,481	2,969	-33.7
Total	11,778	12,754	8.3	127,425	131,870	3.5
Number of airports in the survey	135	134	...	135	134	...

Analysis

In November 2010, the number of take-offs and landings at the 134 airports without air traffic control towers reached 53,765 movements. Moosonee, Ontario (3,039 movements) followed by Peterborough, Ontario (2,856 movements) were the most active sites in November 2010. Year-over-year increases were reported by 62 of these airports.

There were 38,297 itinerant movements (flights from one airport to another) recorded by 114 airports without air traffic control towers in November 2010. The year-over-year variations ranged from an increase of 825 movements (+39.5%) at Moosonee, Ontario to a decline of 348 movements (-34.5%) at Trois-Rivières, Quebec. Fifty-four airports reported year-over-year increases.

Forty-four airports without air traffic control towers reported 12,754 local movements (flights that remain in the vicinity of the airport) in November 2010. Guelph, Ontario (2,789 movements) followed by Peterborough, Ontario (2,308 movements) recorded the greatest number of local movements in November 2010.

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
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
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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
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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 days reported for current month	Total, itinerant and local movements	Total itinerant movements	Total local movements
		number		
Akulivik, Quebec	.	124	124	0
Amos Municipal, Quebec	25	371	120	251
Arviat, Nunavut	27	271	271	0
Aupaluk, Quebec	.	109	109	0
Baie-Comeau, Quebec	30	742	730	12
Baker Lake, Nunavut	29	324	324	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	30	2,269	607	1,662
Bathurst, New Brunswick	30	266	266	0
Beaver Creek, Yukon	1	2	2	0
Berens River, Manitoba	..	196	..	..
Bloodvein River, Manitoba	..	288	..	..
Brochet, Manitoba	..	82	..	..
Buffalo Narrows, Saskatchewan	30	492	484	8
Burwash, Yukon	11	41	41	0
Cambridge Bay, Nunavut	30	322	282	40
Cape Dorset, Nunavut	17	81	81	0
Charlo, New Brunswick	16	75	75	0
Chesterfield Inlet, Nunavut	23	103	103	0
Chevery, Quebec	26	361	361	0
Chibougamau/Chapais, Quebec	29	611	581	30
Collingwood, Ontario	30	806	600	206
Comox, British Columbia	30	1,430	1,430	0
Coral Harbour, Nunavut	28	145	145	0
Cross Lake, Manitoba	..	194	..	..
Dauphin, Manitoba	25	245	213	32
Dawson, Yukon	30	370	370	0
Dawson Creek, British Columbia	29	379	367	12
Déline, Northwest Territories	27	194	194	0
Digby, Nova Scotia	16	68	41	27
Drummondville, Quebec	30	540	416	124
Dryden Regional, Ontario	30	769	725	44
Elliot Lake Municipal, Ontario	29	404	264	140
Eureka, Nunavut	4	6	6	0
Faro, Yukon	21	125	125	0
Flin Flon, Manitoba	30	476	476	0
Fort Frances Municipal, Ontario	30	428	428	0
Fort Good Hope, Northwest Territories	21	132	132	0
Fort Liard, Northwest Territories	20	127	127	0
Fort McPherson, Northwest Territories	21	102	102	0
Fort Resolution, Northwest Territories	7	17	17	0
Fort Simpson, Northwest Territories	30	252	252	0
Gamëti/Rae Lakes, Northwest Territories	20	73	73	0
Gaspé, Quebec	30	351	351	0
Geraldton, Ontario	21	91	73	18
Gillam, Manitoba	27	229	229	0
Gjoa Haven, Nunavut	26	106	106	0
Gods Lake Narrows, Manitoba	..	131	..	..
Gods River, Manitoba	..	194	..	..
Goose Bay, Newfoundland and Labrador	30	2,187	2,187	0
Grise Fiord, Nunavut	5	8	8	0
Guelph, Ontario	30	2,789	0	2,789
Hall Beach, Nunavut	28	147	147	0
Havre St-Pierre, Quebec	29	596	558	38
Hay River, Northwest Territories	1	2	2	0
Hearst/René Fontaine Municipal, Ontario	19	63	63	0
Igloolik, Nunavut	23	91	91	0
Ilford, Manitoba	..	35	..	..
Inukjuak, Quebec	.	250	250	0
Island Lake, Manitoba	30	1,428	1,424	4
Ivujivik, Quebec	.	82	82	0
Kangiqsualujuaq, Quebec	.	148	148	0
Kangiqsujuaq, Quebec	.	140	138	2
Kangirsuk, Quebec	.	176	176	0
Kapuskasing, Ontario	30	449	357	92
Kimirut, Nunavut	18	57	57	0
Kugaaruk, Nunavut	26	83	83	0
Kugluktuk, Nunavut	30	229	223	6
Kuujuarapik, Quebec	30	521	521	0

Table 1 – continued

Total aircraft movements by class of operation

	Number of days reported for current month	Total, itinerant and local movements	Total itinerant movements	Total local movements
		number		
Lac Brochet, Manitoba	..	108	..	..
Little Grand Rapids, Manitoba	..	369	..	..
Lourdes-de-Blanc-Sablon, Quebec	29	501	425	76
Lutselk'e, Northwest Territories	23	105	105	0
Mayo, Yukon	20	75	75	0
Miramichi, New Brunswick	27	370	370	0
Moosonee, Ontario	30	3,039	2,911	128
Muskoka, Ontario	29	974	706	268
Nakina, Ontario	29	393	391	2
Nanisivik, Nunavut	14	38	37	1
Natashquan, Quebec	26	247	243	4
Norway House, Manitoba	30	366	366	0
Old Crow, Yukon	23	66	66	0
Oxford House, Manitoba	..	244	..	..
Pabok, Quebec	15	32	32	0
Pangnirtung, Nunavut	23	134	134	0
Peterborough, Ontario	30	2,856	548	2,308
Pickle Lake, Ontario	29	1,237	1,221	16
Pikwitonei, Manitoba	..	26	..	..
Pond Inlet, Nunavut	18	62	62	0
Poplar River, Manitoba	..	182	..	..
Port-Menier, Quebec	27	315	315	0
Prince Rupert/Digby Island, British Columbia	8	18	18	0
Prince Rupert/Seal Cove, British Columbia	29	808	808	0
Pukatawagan, Manitoba	..	131	..	..
Puvirnituq, Quebec	..	517	483	34
Qikiqtarjuaq, Nunavut	24	68	68	0
Quaqtaq, Quebec	..	115	115	0
Quesnel, British Columbia	30	351	311	40
Red Lake, Ontario	30	1,976	1,888	88
Red Sucker Lake, Manitoba	..	134	..	..
Repulse Bay, Nunavut	22	102	102	0
Resolute Bay, Nunavut	24	90	90	0
Rimouski, Quebec	29	416	330	86
Roberval, Quebec	26	255	253	2
Salluit, Quebec	..	162	162	0
Sandspit, British Columbia	29	157	145	12
Sanikiluaq, Nunavut	20	122	122	0
Shamattawa, Manitoba	..	234	..	..
Sherbrooke, Quebec	23	951	289	662
South Indian Lake, Manitoba	..	42	..	..
St. Anthony, Newfoundland and Labrador	30	252	252	0
St-Augustin, Quebec	16	115	115	0
St. Theresa Point, Manitoba	29	1,699	1,699	0
Stephenville, Newfoundland and Labrador	25	169	169	0
Stony Rapids, Saskatchewan	30	778	776	2
Sydney, Nova Scotia	30	487	453	34
Tadoule Lake, Manitoba	..	82	..	..
Taloyoak, Nunavut	26	103	103	0
Tasiujaq, Quebec	..	131	131	0
Teslin, Yukon	6	24	24	0
The Pas, Manitoba	27	319	283	36
Thicket Portage, Manitoba	..	13	..	..
Tillsonburg, Ontario	..	1,136	353	783
Tofino, British Columbia	28	198	198	0
Trois-Rivières, Quebec	30	1,022	662	360
Tuktoyaktuk, Northwest Territories	28	166	166	0
Tulita, Northwest Territories	22	208	208	0
Umiujaq, Quebec	..	228	223	5
Waskaganish, Quebec	26	220	214	6
Watson Lake, Yukon	26	147	147	0
Welland/Niagara Central, Ontario	24	2,340	104	2,236
Wemindji, Quebec	15	104	104	0
Whale Cove, Nunavut	25	139	139	0
York Landing, Manitoba	..	29	..	..
Yorkton Municipal, Saskatchewan	27	273	245	28
Total (134)	30	53,765	38,297	12,754

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

	Total itinerant movements	Domestic			International			Government	
		Carrier	Other commercial	Private	Carrier	Other commercial	Private	Civil	Military
		number							
Akulivik, Quebec	124	.	.	.	.	.	.	.	.
Amos Municipal, Quebec	120	54	2	58	0	0	0	6	0
Arviat, Nunavut	271	265	0	0	0	0	0	6	0
Aupaluk, Quebec	109	.	.	.	.	.	.	.	.
Baie-Comeau, Quebec	730	527	18	105	0	0	0	70	10
Baker Lake, Nunavut	324	313	0	0	6	0	0	3	2
Barrie-Orillia-Lake Simcoe Regional, Ontario	607	226	44	273	5	0	13	38	8
Bathurst, New Brunswick	266	197	1	11	24	2	21	10	0
Beaver Creek, Yukon	2	0	0	0	0	0	0	0	2
Buffalo Narrows, Saskatchewan	484	458	0	0	0	0	0	26	0
Burwash, Yukon	41	41	0	0	0	0	0	0	0
Cambridge Bay, Nunavut	282	270	0	0	0	0	0	4	8
Cape Dorset, Nunavut	81	66	0	0	0	0	0	15	0
Charlo, New Brunswick	75	27	0	44	0	0	0	4	0
Chesterfield Inlet, Nunavut	103	103	0	0	0	0	0	0	0
Chevery, Quebec	361	347	14	0	0	0	0	0	0
Chibougamau/Chapais, Quebec	581	386	151	40	0	0	0	4	0
Collingwood, Ontario	600	52	59	483	0	0	0	2	4
Comox, British Columbia	1,430	1,018	2	1	10	0	0	35	364
Coral Harbour, Nunavut	145	141	0	0	0	0	0	4	0
Dauphin, Manitoba	213	94	14	43	0	0	0	11	51
Dawson, Yukon	370	284	40	41	0	0	0	3	2
Dawson Creek, British Columbia	367	323	1	42	0	0	1	0	0
Déline, Northwest Territories	194	190	0	0	0	0	0	4	0
Digby, Nova Scotia	41	16	0	22	1	0	2	0	0
Drummondville, Quebec	416	126	18	245	0	0	19	0	8
Dryden Regional, Ontario	725	636	16	42	0	0	2	25	4
Elliot Lake Municipal, Ontario	264	189	41	29	3	0	0	2	0
Eureka, Nunavut	6	2	0	0	0	0	0	0	4
Faro, Yukon	125	102	19	0	0	0	0	4	0
Flin Flon, Manitoba	476	424	0	21	0	0	0	31	0
Fort Frances Municipal, Ontario	428	379	0	38	1	0	3	7	0
Fort Good Hope, Northwest Territories	132	125	1	0	0	0	0	4	2
Fort Liard, Northwest Territories	127	123	0	0	0	0	0	0	4
Fort McPherson, Northwest Territories	102	88	0	3	0	0	0	10	1
Fort Resolution, Northwest Territories	17	17	0	0	0	0	0	0	0
Fort Simpson, Northwest Territories	252	240	0	2	0	0	0	8	2
Gamèti/Rae Lakes, Northwest Territories	73	67	0	0	0	0	0	6	0
Gaspé, Quebec	351	281	6	4	0	0	0	54	6
Geraldton, Ontario	73	67	0	2	0	0	0	4	0
Gillam, Manitoba	229	215	0	10	0	0	0	4	0
Gjoa Haven, Nunavut	106	97	5	0	0	0	0	2	2
Goose Bay, Newfoundland and Labrador	2,187	1,751	15	40	128	30	104	51	68
Grise Fiord, Nunavut	8	7	0	0	0	0	0	0	1
Hall Beach, Nunavut	147	143	0	2	0	0	0	0	2
Havre St-Pierre, Quebec	558	491	0	15	0	0	0	40	12
Hay River, Northwest Territories	2	2	0	0	0	0	0	0	0
Hearst/René Fontaine Municipal, Ontario	63	55	0	8	0	0	0	0	0
Igloolik, Nunavut	91	88	0	1	0	0	0	2	0
Inukjuak, Quebec	250	.	.	.	.	.	.	.	.
Island Lake, Manitoba	1,424	1,397	0	9	0	0	0	18	0
Ivujivik, Quebec	82	.	.	.	.	.	.	.	.
Kangiqsualujuaq, Quebec	148	.	.	.	.	.	.	.	.
Kangiqsujuaq, Quebec	138	.	.	.	.	.	.	.	.
Kangirsuk, Quebec	176	.	.	.	.	.	.	.	.
Kapuskasing, Ontario	357	231	0	0	116	0	6	0	4
Kimirut, Nunavut	57	55	0	0	0	0	0	2	0
Kugaaruk, Nunavut	83	83	0	0	0	0	0	0	0
Kugluktuk, Nunavut	223	217	0	0	0	0	0	6	0
Kuujuarapik, Quebec	521	512	0	3	0	0	0	6	0
Louder-de-Blanc-Sablon, Quebec	425	358	49	12	0	0	0	6	0
Lutsel'e, Northwest Territories	105	103	0	0	0	0	0	2	0
Mayo, Yukon	75	54	20	1	0	0	0	0	0
Miramichi, New Brunswick	370	233	22	27	12	2	63	10	1
Moosonee, Ontario	2,911	2,864	0	29	1	0	0	15	2
Muskoka, Ontario	706	248	56	340	3	0	17	34	8
Nakina, Ontario	391	387	0	4	0	0	0	0	0

Table 2-1 – continued

Itinerant movements by class and type of operation

	Total itinerant movements	Domestic			International			Government	
		Carrier	Other commercial	Private	Carrier	Other commercial	Private	Civil	Military
		number							
Nanisivik, Nunavut	37	37	0	0	0	0	0	0	0
Natashquan, Quebec	243	213	2	24	0	0	0	4	0
Norway House, Manitoba	366	349	0	3	0	0	0	14	0
Old Crow, Yukon	66	58	0	2	0	0	0	4	2
Pabok, Quebec	32	6	0	2	0	0	0	24	0
Pangnirtung, Nunavut	134	132	0	2	0	0	0	0	0
Peterborough, Ontario	548	129	89	294	0	0	0	10	26
Pickle Lake, Ontario	1,221	1,190	2	18	0	0	1	10	0
Pond Inlet, Nunavut	62	57	0	0	0	0	0	0	5
Port-Menier, Quebec	315	309	0	6	0	0	0	0	0
Prince Rupert/Digby Island, British Columbia	18	18	0	0	0	0	0	0	0
Prince Rupert/Seal Cove, British Columbia	808	700	0	24	6	0	4	74	0
Puvirnituq, Quebec	483	.	.	.	.	.	.	.	.
Qikiqtarjuaq, Nunavut	68	67	0	1	0	0	0	0	0
Quaqtaq, Quebec	115	.	.	.	.	.	.	.	.
Quesnel, British Columbia	311	197	5	107	0	0	0	2	0
Red Lake, Ontario	1,888	1,768	2	52	0	0	0	54	12
Repulse Bay, Nunavut	102	100	2	0	0	0	0	0	0
Resolute Bay, Nunavut	90	80	0	5	0	0	0	0	5
Rimouski, Quebec	330	124	7	178	0	0	0	4	17
Roberval, Quebec	253	105	61	78	0	0	0	5	4
Salluit, Quebec	162	.	.	.	.	.	.	.	.
Sandspit, British Columbia	145	130	0	5	0	0	0	10	0
Sanikiluaq, Nunavut	122	120	0	0	0	0	0	2	0
Sherbrooke, Quebec	289	75	33	172	0	0	5	2	2
St. Anthony, Newfoundland and Labrador	252	240	8	0	0	0	0	4	0
St-Augustin, Quebec	115	109	3	3	0	0	0	0	0
St. Theresa Point, Manitoba	1,699	1,693	0	4	0	0	0	2	0
Stephenville, Newfoundland and Labrador	169	115	0	10	7	0	4	10	23
Stony Rapids, Saskatchewan	776	742	0	4	0	0	0	26	4
Sydney, Nova Scotia	453	404	0	15	2	0	1	20	11
Taloyoak, Nunavut	103	101	0	0	0	0	0	0	2
Tasiujaq, Quebec	131	.	.	.	.	.	.	.	.
Teslin, Yukon	24	22	0	2	0	0	0	0	0
The Pas, Manitoba	283	252	0	18	0	0	0	11	2
Tillsonburg, Ontario	353	..	..	..	..	..	..	..	..
Tofino, British Columbia	198	115	6	33	0	0	0	44	0
Trois-Rivières, Quebec	662	284	60	288	4	0	4	6	16
Tuktoyaktuk, Northwest Territories	166	160	0	2	0	0	0	4	0
Tulita, Northwest Territories	208	201	1	0	0	0	0	6	0
Umiujaq, Quebec	223	.	.	.	.	.	.	.	.
Waskaganish, Quebec	214	212	2	0	0	0	0	0	0
Watson Lake, Yukon	147	110	1	34	0	0	0	2	0
Welland/Niagara Central, Ontario	104	6	14	43	0	8	33	0	0
Wemindji, Quebec	104	102	2	0	0	0	0	0	0
Whale Cove, Nunavut	139	137	0	0	0	0	0	2	0
Yorkton Municipal, Saskatchewan	245	139	10	46	0	0	2	12	36
Total (114)	38,297	28,963	924	3,525	329	42	305	966	749

Table 2-2
Itinerant movements by type of power plant

	Total itinerant movements	Aircraft			Helicopters	Gliders
		Jet	Turbo	Piston		
		number				
Akulivik, Quebec	124	.	.	.	.	..
Amos Municipal, Quebec	120	4	47	67	2	0
Arviat, Nunavut	271	0	267	0	4	0
Aupaluk, Quebec	109	.	.	.	.	..
Baie-Comeau, Quebec	730	32	499	152	47	0
Baker Lake, Nunavut	324	2	305	6	11	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	607	20	72	417	98	0
Bathurst, New Brunswick	266	4	158	96	8	0
Beaver Creek, Yukon	2	0	2	0	0	0
Buffalo Narrows, Saskatchewan	484	0	447	35	2	0
Burwash, Yukon	41	0	2	4	35	0
Cambridge Bay, Nunavut	282	28	226	4	24	0
Cape Dorset, Nunavut	81	0	81	0	0	0
Charlo, New Brunswick	75	0	57	14	4	0
Chesterfield Inlet, Nunavut	103	0	103	0	0	0
Chevery, Quebec	361	0	282	15	64	0
Chibougamau/Chapais, Quebec	581	8	390	112	71	0
Collingwood, Ontario	600	15	15	546	20	4
Comox, British Columbia	1,430	198	865	162	203	2
Coral Harbour, Nunavut	145	0	144	1	0	0
Dauphin, Manitoba	213	9	128	64	12	0
Dawson, Yukon	370	0	97	41	232	0
Dawson Creek, British Columbia	367	9	247	39	72	0
Déline, Northwest Territories	194	0	158	36	0	0
Digby, Nova Scotia	41	0	0	39	2	0
Drummondville, Quebec	416	0	8	340	68	0
Dryden Regional, Ontario	725	4	497	142	82	0
Elliot Lake Municipal, Ontario	264	2	172	80	10	0
Eureka, Nunavut	6	0	6	0	0	0
Faro, Yukon	125	0	10	0	115	0
Flin Flon, Manitoba	476	2	374	48	52	0
Fort Frances Municipal, Ontario	428	2	271	113	42	0
Fort Good Hope, Northwest Territories	132	0	79	51	2	0
Fort Liard, Northwest Territories	127	0	6	60	61	0
Fort McPherson, Northwest Territories	102	0	93	9	0	0
Fort Resolution, Northwest Territories	17	0	13	4	0	0
Fort Simpson, Northwest Territories	252	0	140	84	28	0
Gamèt/Rae Lakes, Northwest Territories	73	0	65	4	4	0
Gaspé, Quebec	351	18	274	45	14	0
Geraldton, Ontario	73	0	59	2	12	0
Gillam, Manitoba	229	2	109	112	6	0
Gjoa Haven, Nunavut	106	0	102	4	0	0
Goose Bay, Newfoundland and Labrador	2,187	414	1,444	29	300	0
Grise Fiord, Nunavut	8	0	8	0	0	0
Hall Beach, Nunavut	147	0	125	2	20	0
Havre St-Pierre, Quebec	558	6	211	126	215	0
Hay River, Northwest Territories	2	0	1	1	0	0
Hearst/René Fontaine Municipal, Ontario	63	0	49	8	6	0
Igloolik, Nunavut	91	0	91	0	0	0
Inukjuak, Quebec	250	.	.	.	.	..
Island Lake, Manitoba	1,424	8	645	114	657	0
Ivujivik, Quebec	82	.	.	.	.	..
Kangiqsualujuaq, Quebec	148	.	.	.	.	..
Kangiqsujaq, Quebec	138	.	.	.	.	..
Kangirsuk, Quebec	176	.	.	.	.	..
Kapuskasing, Ontario	357	0	332	25	0	0
Kimmirut, Nunavut	57	0	57	0	0	0
Kugaaruk, Nunavut	83	1	82	0	0	0
Kugluktuk, Nunavut	223	8	209	0	6	0
Kuujuarapik, Quebec	521	6	512	1	2	0
Lourdes-de-Blanc-Sablon, Quebec	425	0	368	32	25	0
Lutselk'e, Northwest Territories	105	0	86	19	0	0
Mayo, Yukon	75	0	15	11	49	0
Miramichi, New Brunswick	370	14	44	308	4	0
Moosonee, Ontario	2,911	0	811	296	1,804	0
Muskoka, Ontario	706	6	134	524	42	0
Nakina, Ontario	391	0	381	4	6	0
Nanisivik, Nunavut	37	0	37	0	0	0

Table 2-2 – continued

Itinerant movements by type of power plant

	Total itinerant movements	Aircraft			Helicopters	Gliders
		Jet	Turbo	Piston		
		number				
Natashquan, Quebec	243	0	146	27	70	0
Norway House, Manitoba	366	0	343	23	0	0
Old Crow, Yukon	66	0	63	0	3	0
Pabok, Quebec	32	4	26	2	0	0
Pangnirtung, Nunavut	134	0	132	0	2	0
Peterborough, Ontario	548	31	53	428	36	0
Pickle Lake, Ontario	1,221	0	1,112	55	54	0
Pond Inlet, Nunavut	62	0	62	0	0	0
Port-Menier, Quebec	315	2	176	136	1	0
Prince Rupert/Digby Island, British Columbia	18	0	2	16	0	0
Prince Rupert/Seal Cove, British Columbia	808	0	71	528	209	0
Puvirnituq, Quebec	483	.	.	.	.	..
Qikiqtarjuaq, Nunavut	68	0	68	0	0	0
Quaqtaq, Quebec	115	.	.	.	.	..
Quesnel, British Columbia	311	16	186	88	21	0
Red Lake, Ontario	1,888	4	1,131	617	136	0
Repulse Bay, Nunavut	102	0	102	0	0	0
Resolute Bay, Nunavut	90	6	84	0	0	0
Rimouski, Quebec	330	4	79	204	43	0
Roberval, Quebec	253	7	74	142	30	0
Salluit, Quebec	162	.	.	.	.	..
Sandspit, British Columbia	145	0	101	5	39	0
Sanikiluaq, Nunavut	122	0	122	0	0	0
Sherbrooke, Quebec	289	6	12	254	17	0
St. Anthony, Newfoundland and Labrador	252	2	236	8	6	0
St-Augustin, Quebec	115	2	104	2	4	3
St. Theresa Point, Manitoba	1,699	2	332	80	1,285	0
Stephenville, Newfoundland and Labrador	169	38	105	14	12	0
Stony Rapids, Saskatchewan	776	0	539	206	31	0
Sydney, Nova Scotia	453	20	348	42	43	0
Taloyoak, Nunavut	103	0	101	2	0	0
Tasiujaq, Quebec	131	.	.	.	.	..
Teslin, Yukon	24	0	0	12	12	0
The Pas, Manitoba	283	4	226	39	14	0
Tillsonburg, Ontario	353	..	..	..	..	..
Tofino, British Columbia	198	2	12	94	90	0
Trois-Rivières, Quebec	662	26	31	549	56	0
Tuktoyaktuk, Northwest Territories	166	0	154	4	8	0
Tulita, Northwest Territories	208	0	132	59	17	0
Umiujaq, Quebec	223	.	.	.	.	..
Waskaganish, Quebec	214	0	204	10	0	0
Watson Lake, Yukon	147	4	31	35	77	0
Welland/Niagara Central, Ontario	104	6	0	91	0	7
Wemindji, Quebec	104	0	92	0	12	0
Whale Cove, Nunavut	139	0	139	0	0	0
Yorkton Municipal, Saskatchewan	245	23	61	152	9	0
Total (114)	38,297	1,031	19,504	8,372	6,880	16

Table 2-3
Itinerant movements by aircraft weight groups

	Total itinerant movements	Gross take-off weight in kilograms						
		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	124	.	..	..	.	.	.	.
Amos Municipal, Quebec	120	61	8	42	1	2	6	0
Arviat, Nunavut	271	2	2	58	24	94	89	2
Aupaluk, Quebec	109	.	..	..	.	.	.	.
Baie-Comeau, Quebec	730	80	120	279	67	145	33	6
Baker Lake, Nunavut	324	11	6	54	31	87	131	4
Barrie-Orillia-Lake Simcoe Regional, Ontario	607	448	73	40	38	4	4	0
Bathurst, New Brunswick	266	54	50	50	0	108	4	0
Beaver Creek, Yukon	2	0	0	2	0	0	0	0
Buffalo Narrows, Saskatchewan	484	12	25	373	73	1	0	0
Burwash, Yukon	41	39	0	2	0	0	0	0
Cambridge Bay, Nunavut	282	0	0	130	8	58	58	28
Cape Dorset, Nunavut	81	0	0	24	0	23	34	0
Charlo, New Brunswick	75	18	0	41	0	10	0	6
Chesterfield Inlet, Nunavut	103	0	0	23	17	23	40	0
Chevery, Quebec	361	68	11	114	168	0	0	0
Chibougamau/Chapais, Quebec	581	95	184	170	24	103	5	0
Collingwood, Ontario	600	513	59	9	8	3	6	2
Comox, British Columbia	1,430	43	149	68	497	318	109	246
Coral Harbour, Nunavut	145	0	1	36	26	4	78	0
Dauphin, Manitoba	213	69	3	119	16	6	0	0
Dawson, Yukon	370	273	0	5	6	0	86	0
Dawson Creek, British Columbia	367	111	0	19	148	56	33	0
Déline, Northwest Territories	194	6	51	86	21	0	30	0
Digby, Nova Scotia	41	33	8	0	0	0	0	0
Drummondville, Quebec	416	390	16	10	0	0	0	0
Dryden Regional, Ontario	725	161	58	476	0	22	8	0
Elliot Lake Municipal, Ontario	264	72	76	102	6	8	0	0
Eureka, Nunavut	6	0	0	0	2	0	0	4
Faro, Yukon	125	115	4	4	2	0	0	0
Flin Flon, Manitoba	476	69	39	273	0	93	2	0
Fort Frances Municipal, Ontario	428	78	79	265	4	2	0	0
Fort Good Hope, Northwest Territories	132	33	35	44	2	0	18	0
Fort Liard, Northwest Territories	127	83	38	6	0	0	0	0
Fort McPherson, Northwest Territories	102	9	2	89	2	0	0	0
Fort Resolution, Northwest Territories	17	0	6	5	0	0	6	0
Fort Simpson, Northwest Territories	252	76	83	38	2	6	47	0
Gamèt/Rae Lakes, Northwest Territories	73	2	37	26	0	0	8	0
Gaspé, Quebec	351	24	29	18	2	255	23	0
Geraldton, Ontario	73	8	7	54	4	0	0	0
Gillam, Manitoba	229	14	104	14	2	69	26	0
Gjoa Haven, Nunavut	106	4	0	12	2	36	46	6
Goose Bay, Newfoundland and Labrador	2,187	219	98	735	296	563	182	94
Grise Fiord, Nunavut	8	0	0	8	0	0	0	0
Hall Beach, Nunavut	147	0	2	58	2	36	49	0
Havre St-Pierre, Quebec	558	212	129	79	84	26	28	0
Hay River, Northwest Territories	2	0	0	0	0	1	1	0
Hearst/René Fontaine Municipal, Ontario	63	14	0	49	0	0	0	0
Igloodik, Nunavut	91	0	0	16	0	39	36	0
Inukjuak, Quebec	250	.	..	..	.	.	.	.
Island Lake, Manitoba	1,424	756	19	439	8	148	52	2
Ivujivik, Quebec	82	.	..	..	.	.	.	.
Kangiqsualujuaq, Quebec	148	.	..	..	.	.	.	.
Kangiqsujuaq, Quebec	138	.	..	..	.	.	.	.
Kangirsuk, Quebec	176	.	..	..	.	.	.	.
Kapuskasing, Ontario	357	4	63	250	26	2	12	0
Kimmiut, Nunavut	57	0	0	57	0	0	0	0
Kugaaruk, Nunavut	83	0	0	15	4	28	35	1
Kugluktuk, Nunavut	223	0	0	38	4	79	88	14
Kuujuarapik, Quebec	521	3	0	281	0	77	160	0
Lourdes-de-Blanc-Sablon, Quebec	425	24	34	134	116	116	1	0
Lutsel'k'e, Northwest Territories	105	0	66	33	0	2	4	0
Mayo, Yukon	75	58	2	4	2	0	9	0
Miramichi, New Brunswick	370	231	81	42	2	14	0	0
Moosonee, Ontario	2,911	1,902	137	538	168	111	55	0
Muskoka, Ontario	706	525	49	88	18	17	3	6
Nakina, Ontario	391	6	241	134	10	0	0	0

Table 2-3 – continued

Itinerant movements by aircraft weight groups

	Total itinerant movements	Gross take-off weight in kilograms						number
		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
Nanisivik, Nunavut	37	0	0	8	2	0	27	0
Natashquan, Quebec	243	90	7	74	72	0	0	0
Norway House, Manitoba	366	9	14	325	18	0	0	0
Old Crow, Yukon	66	3	0	12	2	0	49	0
Pabok, Quebec	32	2	0	6	0	20	4	0
Pangnirtung, Nunavut	134	0	0	25	2	49	58	0
Peterborough, Ontario	548	429	26	35	15	19	12	12
Pickle Lake, Ontario	1,221	65	585	141	99	0	331	0
Pond Inlet, Nunavut	62	0	0	13	1	13	35	0
Port-Menier, Quebec	315	3	134	72	56	0	48	2
Prince Rupert/Digby Island, British Columbia	18	0	18	0	0	0	0	0
Prince Rupert/Seal Cove, British Columbia	808	121	655	28	0	4	0	0
Puvirnituq, Quebec	483	.	.	.	.	.	.	.
Qikiqtarjuaq, Nunavut	68	0	0	11	0	22	35	0
Quaqtaq, Quebec	115	.	.	.	.	.	.	.
Quesnel, British Columbia	311	105	4	6	194	0	2	0
Red Lake, Ontario	1,888	302	674	489	250	14	157	2
Repulse Bay, Nunavut	102	0	0	24	25	4	49	0
Resolute Bay, Nunavut	90	0	0	32	10	5	35	8
Rimouski, Quebec	330	162	68	92	4	0	4	0
Roberval, Quebec	253	110	66	68	6	0	3	0
Salluit, Quebec	162	.	.	.	.	.	.	.
Sandspit, British Columbia	145	37	7	35	6	60	0	0
Sanikiluaq, Nunavut	122	0	0	60	12	0	50	0
Sherbrooke, Quebec	289	258	7	18	6	0	0	0
St. Anthony, Newfoundland and Labrador	252	10	9	57	32	118	26	0
St-Augustin, Quebec	115	7	6	45	55	0	2	0
St. Theresa Point, Manitoba	1,699	1,364	3	176	2	116	38	0
Stephenville, Newfoundland and Labrador	169	20	2	10	8	56	32	41
Stony Rapids, Saskatchewan	776	35	202	322	132	85	0	0
Sydney, Nova Scotia	453	45	61	34	14	264	14	21
Taloyoak, Nunavut	103	0	0	21	2	45	34	1
Tasiujaq, Quebec	131	.	.	.	.	.	.	.
Teslin, Yukon	24	22	2	0	0	0	0	0
The Pas, Manitoba	283	22	67	114	2	76	2	0
Tillsonburg, Ontario	353	.	.	.	.	.	.	.
Tofino, British Columbia	198	73	115	8	2	0	0	0
Trois-Rivières, Quebec	662	531	66	20	12	7	8	18
Tuktoyaktuk, Northwest Territories	166	12	4	150	0	0	0	0
Tulita, Northwest Territories	208	51	78	57	0	0	22	0
Umiujaq, Quebec	223	.	.	.	.	.	.	.
Waskaganish, Quebec	214	10	0	16	0	188	0	0
Watson Lake, Yukon	147	108	4	5	24	0	6	0
Welland/Niagara Central, Ontario	104	82	16	0	0	0	6	0
Wemindji, Quebec	104	12	0	28	0	64	0	0
Whale Cove, Nunavut	139	0	0	37	11	50	41	0
Yorkton Municipal, Saskatchewan	245	113	48	55	27	2	0	0
Total (114)	38,297	11,241	5,232	8,907	3,046	4,076	2,775	526

Table 3
Local movements by type of operation

	Total local movements	Local civil movements	Local military movements
	number		
Amos Municipal, Quebec	251	251	0
Baie-Comeau, Quebec	12	12	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	1,662	1,662	0
Buffalo Narrows, Saskatchewan	8	8	0
Cambridge Bay, Nunavut	40	40	0
Chibougamau/Chapais, Quebec	30	30	0
Collingwood, Ontario	206	202	4
Dauphin, Manitoba	32	32	0
Dawson Creek, British Columbia	12	12	0
Digby, Nova Scotia	27	27	0
Drummondville, Quebec	124	124	0
Dryden Regional, Ontario	44	44	0
Elliot Lake Municipal, Ontario	140	140	0
Geraldton, Ontario	18	18	0
Guelph, Ontario	2,789	2,789	0
Havre St-Pierre, Quebec	38	38	0
Island Lake, Manitoba	4	4	0
Kangisujuaq, Quebec	2	.	.
Kapuskasing, Ontario	92	92	0
Kugluktuk, Nunavut	6	6	0
Lourdes-de-Blanc-Sablon, Quebec	76	76	0
Moosonee, Ontario	128	128	0
Muskoka, Ontario	268	254	14
Nakina, Ontario	2	2	0
Nanisivik, Nunavut	1	1	0
Natashquan, Quebec	4	4	0
Peterborough, Ontario	2,308	2,302	6
Pickle Lake, Ontario	16	16	0
Puvirnituq, Quebec	34	.	.
Quesnel, British Columbia	40	40	0
Red Lake, Ontario	88	88	0
Rimouski, Quebec	86	86	0
Roberval, Quebec	2	2	0
Sandspit, British Columbia	12	12	0
Sherbrooke, Quebec	662	662	0
Stony Rapids, Saskatchewan	2	2	0
Sydney, Nova Scotia	34	6	28
The Pas, Manitoba	36	36	0
Tillsonburg, Ontario	783	..	..
Trois-Rivières, Quebec	360	360	0
Umiujaq, Quebec	5	.	.
Waskaganish, Quebec	6	6	0
Welland/Niagara Central, Ontario	2,236	2,236	0
Yorkton Municipal, Saskatchewan	28	28	0
Total (44)	12,754	11,878	52

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 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 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
Ilford	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
Kangisualujjuaq	Tasiujaq
Kangisujuaq	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 November, 2009 but were not available in November, 2010:

- Aklavik, Northwest Territories
- Bromont, Quebec
- Clyde River, Nunavut
- Fort Smith, Northwest Territories
- Paulatuk, Northwest Territories
- Sachs Harbour, Northwest Territories
- Ulukhakot/Holman, Northwest Territories
- Wrigley, Northwest Territories

b) data for the following airports are included in November, 2010 but not in November, 2009:

- Burwash, Yukon
- Collingwood, Ontario
- Fort Good Hope, Northwest Territories
- Kugluktuk, Nunavut
- Miramichi, New Brunswick
- Port-Menier, Quebec
- Tulita, Northwest Territories

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 the calendar year immediately preceding the report year, realized annual gross revenues of \$2,000,000 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 the calendar year immediately preceding the report year, realized annual gross revenues of less than \$2,000,000 for the air services for which the air carrier held a licence. Between 2000 and 2009, levels IV and VI were not 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.