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Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)



October 2012



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Statistics Canada
Transportation Division

Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)

October 2012

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Symbols

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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
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published
- * significantly different from reference category ($p < 0.05$)

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Highlights

There were 443,614 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2012 compared with 489,355 movements in October 2011.

Itinerant movements (flights from one airport to another) decreased (-24,506 movements) in October 2012 from the same month in 2011. These airports reported 323,029 movements compared with 347,535 movements in October 2011.

There were 120,585 local movements (flights that remain in the vicinity of the airport) in October 2012 compared with 141,820 movements in October 2011.

Table 1
Distribution of aircraft movements at NAV CANADA Towers and Flight Service Stations

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Percentage change, October 2011 to October 2012	number	Percentage change, October 2011 to October 2012	number	Percentage change, October 2011 to October 2012
Grand total	356,627	-8.8	86,987	-11.5	443,614	-9.3
Itinerant movements						
Air carriers	205,805	-3.1	52,291	-2.9	258,096	-3.1
Other commercial movements	20,260	-18.2	2,797	-11.7	23,057	-17.4
Private movements	22,764	-20.0	7,952	-30.5	30,716	-23.0
Government civil movements	4,176	-14.2	1,705	-13.6	5,881	-14.0
Government military movements	4,015	-19.6	1,264	-18.3	5,279	-19.3
Itinerant total	257,020	-6.7	66,009	-8.3	323,029	-7.1
Local movements						
Civil local movements	99,209	-13.8	20,846	-18.2	120,055	-14.6
Military local movements	398	-2.9	132	-83.6	530	-56.3
Local total	99,607	-13.8	20,978	-20.2	120,585	-15.0

Analysis

There were 443,614 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2012 compared with 489,355 movements in October 2011. Year-over-year decreases were reported by 57 airports. Toronto/Lester B. Pearson International, Ontario (36,193 movements) and Vancouver International, British Columbia (24,451 movements) were the most active sites in October.

Itinerant movements (flights from one airport to another) decreased (-24,506 movements) in October 2012 from the same month in 2011. These airports reported 323,029 movements compared with 347,535 movements in October 2011. Year-over-year variations ranged from an increase of 752 movements (+6.7%) at Edmonton International, Alberta to a drop of 2,094 movements (-36.2%) at Toronto/Buttontville Municipal, Ontario. Sixty airports reported year-over-year decreases in the number of itinerant aircraft movements in October 2012.

In October 2012, there were 120,585 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 15.0% (-21,235 movements) compared with the previous year. Montréal/St-Hubert, Quebec (7,546 movements) and Boundary Bay, British Columbia (6,822 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 270,980 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2012, down 8.5% (-25,085 movements) from October 2011. Vancouver International, British Columbia (18,505 movements) and Calgary International, Alberta (16,177 movements) reported the greatest number of domestic itinerant movements. Sixty-one airports reported year-over-year decreases in the number of domestic movements in October 2012.

Eighty-two airports recorded 42,896 transborder itinerant movements (between Canada and the United States) in October 2012, up 1.9% from the same month in 2011. Toronto/Lester B. Pearson International, Ontario (15,931 movements) reported the greatest number of transborder itinerant movements.

In October 2012, forty airports reported 9,153 other international itinerant movements, down 2.4% from October 2011. Toronto/Lester B. Pearson International, Ontario, recorded 4,364 other international itinerant movements. This represents 47.7% of the total other international itinerant movements reported.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (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 maximum 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
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401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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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 1-1
Total aircraft movements by class of operation — NAV CANADA towers

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	14	8,885	29	2,639	3	6,246
Boundary Bay	11	10,828	17	4,006	2	6,822
Calgary International	3	20,236	3	20,136	38	100
Calgary/Springbank	17	8,142	27	3,056	6	5,086
Chicoutimi/St-Honoré	20	7,462	38	1,760	4	5,702
Edmonton City Centre	31	4,295	19	3,749	32	546
Edmonton International	7	12,256	5	11,998	36	258
Edmonton/Villeneuve	35	3,770	42	1,226	18	2,544
Fort McMurray	23	6,177	13	5,731	34	446
Fredericton International	24	6,007	26	3,057	13	2,950
Gander International	39	2,699	37	1,765	27	934
Halifax/Robert L. Stanfield International	21	7,132	11	6,784	35	348
Hamilton	38	2,821	34	2,203	31	618
Kelowna	18	7,832	16	4,088	12	3,744
Kitchener/Waterloo	19	7,719	25	3,061	7	4,658
Langley	32	4,290	33	2,228	20	2,062
London	25	5,479	24	3,079	19	2,400
Moncton/Greater Moncton International	27	4,886	28	2,936	22	1,950
Montréal/Pierre Elliott Trudeau International	4	19,165	4	19,071	39	94
Montréal/St-Hubert	6	13,913	12	6,367	1	7,546
Oshawa	33	3,967	31	2,313	23	1,654
Ottawa/Macdonald-Cartier International	5	15,316	6	11,039	10	4,277
Pitt Meadows	29	4,457	39	1,647	16	2,810
Prince George	40	2,654	35	1,952	30	702
Québec/Jean Lesage International	8	11,249	8	8,313	14	2,936
Regina International	30	4,348	23	3,334	25	1,014
Saskatoon/John G. Diefenbaker International	15	8,433	14	5,541	15	2,892
Sault Ste. Marie	26	5,053	32	2,293	17	2,760
St. John's International	36	3,466	22	3,378	40	88
St-Jean	37	3,248	36	1,876	24	1,372
Thunder Bay	12	10,737	15	5,453	5	5,284
Toronto/Billy Bishop Toronto City	13	9,014	9	6,966	21	2,048
Toronto/Buttonville Municipal	16	8,207	21	3,683	9	4,524
Toronto/Lester B. Pearson International	1	36,193	1	36,077	37	116
Vancouver Harbour	34	3,962	18	3,956	42	6
Vancouver International	2	24,451	2	24,399	41	52
Victoria International	10	11,198	10	6,956	11	4,242
Whitehorse International	42	1,892	40	1,348	33	544
Windsor	41	2,178	41	1,282	28	896
Winnipeg/James Armstrong Richardson International	9	11,226	7	10,218	26	1,008
Winnipeg/St. Andrews	22	6,911	30	2,357	8	4,554
Yellowknife	28	4,473	20	3,699	29	774
Total of NAV CANADA towers (42)	.	356,627	.	257,020	.	99,607

Table 1-2
Total aircraft movements by class of operation — NAV CANADA flight service stations

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	14	2,149	17	1,449	11	700
Campbell River	21	1,767	26	1,221	13	546
Castlegar	45	787	48	623	24	164
Charlottetown	38	1,051	37	921	30	130
Churchill	43	797	39	797	0	0
Cranbrook	44	788	41	738	38	50
Deer Lake	27	1,479	18	1,413	34	66
Fort Nelson	17	2,007	9	1,925	33	82
Fort St. John	20	1,880	12	1,630	20	250
Grande Prairie	6	2,874	7	2,108	9	766
High Level	41	886	42	724	25	162
Îles-de-la-Madeleine	50	421	50	421	0	0
Inuvik/Mike Zubko	35	1,139	32	1,101	42	38
Iqaluit	22	1,741	14	1,588	26	153
Kamloops	4	3,073	10	1,789	5	1,284
Kenora	34	1,140	44	700	16	440
Kingston	18	1,982	19	1,298	12	684
Kuujuuaq	39	1,033	35	969	35	64
La Grande Rivière	48	683	45	679	48	4
La Ronge	32	1,385	24	1,244	28	141
Lethbridge	23	1,698	28	1,210	15	488
Lloydminster	46	786	46	666	32	120
Medicine Hat	31	1,398	31	1,109	19	289
Mont-Joli	40	939	38	905	43	34
Montréal/Mirabel International	10	2,649	21	1,280	4	1,369
Nanaimo	7	2,863	11	1,735	6	1,128
Norman Wells	36	1,121	36	924	22	197
North Bay	1	4,018	15	1,506	1	2,512
Ottawa/Gatineau	3	3,447	20	1,281	2	2,166
Peace River	49	678	47	658	46	20
Penticton	16	2,010	33	1,032	8	978
Port Hardy	47	740	43	706	44	34
Prince Albert	24	1,647	13	1,625	45	22
Prince Rupert	51	226	51	224	49	2
Rankin Inlet	33	1,205	30	1,165	41	40
Red Deer Regional	5	3,015	23	1,251	3	1,764
Rouyn-Noranda	26	1,498	22	1,277	21	221
Saint John	28	1,479	29	1,189	18	290
Sept-Îles	8	2,743	2	2,601	27	142
Sioux Lookout	12	2,327	5	2,310	47	17
Smithers	29	1,413	34	980	17	433
St. Catharines	19	1,948	27	1,214	10	734
Sudbury	2	3,745	1	2,649	7	1,096
Terrace	25	1,635	16	1,499	29	136
Thompson	9	2,654	3	2,594	37	60
Timmins	13	2,270	6	2,208	36	62
Val-d'Or	30	1,412	25	1,234	23	178
Victoria Harbour	11	2,420	4	2,376	39	44
Wabush	15	2,024	8	1,980	40	44
Whitecourt	37	1,052	49	540	14	512
Williams Lake	42	865	40	743	31	122
Total of all flight service stations (51)	.	86,987	.	66,009	.	20,978

Table 2-1
Total aircraft movements, civil and military — NAV CANADA towers

	Civil movements			Military movements			
	Total	Itinerant		Local	Total	Itinerant	Local
		Commercial	Private and government				
	number						
Abbotsford	8,831	2,069	522	6,240	54	48	6
Boundary Bay	10,813	2,990	1,001	6,822	15	15	0
Calgary International	20,196	18,721	1,375	100	40	40	0
Calgary/Springbank	8,138	2,181	871	5,086	4	4	0
Chicoutimi/St-Honoré	7,452	1,529	231	5,692	10	0	10
Edmonton City Centre	4,265	2,555	1,164	546	30	30	0
Edmonton International	12,184	11,215	719	250	72	64	8
Edmonton/Villeneuve	3,185	318	323	2,544	585	585	0
Fort McMurray	6,177	4,982	749	446	0	0	0
Fredericton International	5,973	2,823	204	2,946	34	30	4
Gander International	2,546	1,317	295	934	153	153	0
Halifax/Robert L. Stanfield International	6,935	6,243	344	348	197	197	0
Hamilton	2,795	1,801	376	618	26	26	0
Kelowna	7,791	3,567	484	3,740	41	37	4
Kitchener/Waterloo	7,712	2,252	802	4,658	7	7	0
Langley	3,733	925	746	2,062	557	557	0
London	5,459	2,426	641	2,392	20	12	8
Moncton/Greater Moncton International	4,882	2,634	300	1,948	4	2	2
Montréal/Pierre Elliott Trudeau International	19,142	17,753	1,299	90	23	19	4
Montréal/St-Hubert	13,809	5,153	1,110	7,546	104	104	0
Oshawa	3,963	1,752	561	1,650	4	0	4
Ottawa/Macdonald-Cartier International	15,120	10,169	678	4,273	196	192	4
Pitt Meadows	4,457	855	792	2,810	0	0	0
Prince George	2,642	1,605	337	700	12	10	2
Québec/Jean Lesage International	11,192	6,969	1,289	2,934	57	55	2
Regina International	4,056	2,772	500	784	292	62	230
Saskatoon/John G. Diefenbaker International	8,323	4,672	829	2,822	110	40	70
Sault Ste. Marie	5,028	2,132	136	2,760	25	25	0
St. John's International	3,365	2,907	370	88	101	101	0
St-Jean	2,409	186	851	1,372	839	839	0
Thunder Bay	10,663	5,010	377	5,276	74	66	8
Toronto/Billy Bishop Toronto City	9,008	6,543	417	2,048	6	6	0
Toronto/Buttonville Municipal	8,199	1,975	1,700	4,524	8	8	0
Toronto/Lester B. Pearson International	36,169	34,907	1,146	116	24	24	0
Vancouver Harbour	3,956	3,904	46	6	6	6	0
Vancouver International	24,418	23,514	852	52	33	33	0
Victoria International	10,978	5,772	972	4,234	220	212	8
Whitehorse International	1,864	1,096	224	544	28	28	0
Windsor	2,146	978	294	874	32	10	22
Winnipeg/James Armstrong Richardson International	10,937	9,236	695	1,006	289	287	2
Winnipeg/St. Andrews	6,911	2,125	232	4,554	0	0	0
Yellowknife	4,392	3,532	86	774	81	81	0
Total of NAV CANADA towers (42)	352,214	226,065	26,940	99,209	4,413	4,015	398

Table 2-2
Total aircraft movements, civil and military — NAV CANADA flight service stations

	Civil movements				Military movements		
	Total	Itinerant		Local	Total	Itinerant	Local
		Commercial	Private and government				
	number						
Brandon Municipal	1,655	280	677	698	494	492	2
Campbell River	1,760	972	248	540	7	1	6
Castlegar	777	564	49	164	10	10	0
Charlottetown	1,043	728	189	126	8	4	4
Churchill	795	750	45	0	2	2	0
Cranbrook	762	597	115	50	26	26	0
Deer Lake	1,468	1,302	100	66	11	11	0
Fort Nelson	1,984	1,818	84	82	23	23	0
Fort St. John	1,878	1,410	218	250	2	2	0
Grande Prairie	2,874	1,739	369	766	0	0	0
High Level	884	688	34	162	2	2	0
Îles-de-la-Madeleine	411	362	49	0	10	10	0
Inuvik/Mike Zubko	1,106	1,020	48	38	33	33	0
Iqaluit	1,728	1,362	213	153	13	13	0
Kamloops	3,048	1,460	304	1,284	25	25	0
Kenora	1,111	601	70	440	29	29	0
Kingston	1,944	949	315	680	38	34	4
Kuujuuaq	1,033	911	58	64	0	0	0
La Grande Rivière	683	613	66	4	0	0	0
La Ronge	1,385	1,133	111	141	0	0	0
Lethbridge	1,609	825	326	458	89	59	30
Lloydminster	769	422	227	120	17	17	0
Medicine Hat	1,387	861	237	289	11	11	0
Mont-Joli	939	818	87	34	0	0	0
Montréal/Mirabel International	2,603	1,079	187	1,337	46	14	32
Nanaimo	2,685	1,029	532	1,124	178	174	4
Norman Wells	1,121	900	24	197	0	0	0
North Bay	3,966	1,182	278	2,506	52	46	6
Ottawa/Gatineau	3,441	655	620	2,166	6	6	0
Peace River	674	593	61	20	4	4	0
Penticton	1,921	652	295	974	89	85	4
Port Hardy	728	602	92	34	12	12	0
Prince Albert	1,637	1,434	181	22	10	10	0
Prince Rupert	224	203	19	2	2	2	0
Rankin Inlet	1,203	1,145	18	40	2	2	0
Red Deer Regional	2,978	801	441	1,736	37	9	28
Rouyn-Noranda	1,498	1,129	148	221	0	0	0
Saint John	1,477	823	364	290	2	2	0
Sept-Îles	2,741	2,354	245	142	2	2	0
Sioux Lookout	2,307	2,223	67	17	20	20	0
Smithers	1,413	920	60	433	0	0	0
St. Catharines	1,948	869	345	734	0	0	0
Sudbury	3,717	2,286	347	1,084	28	16	12
Terrace	1,633	1,412	85	136	2	2	0
Thompson	2,654	2,382	212	60	0	0	0
Timmins	2,266	2,004	200	62	4	4	0
Val-d'Or	1,407	1,037	192	178	5	5	0
Victoria Harbour	2,415	2,257	114	44	5	5	0
Wabush	1,990	1,815	131	44	34	34	0
Whitecourt	1,052	525	15	512	0	0	0
Williams Lake	859	592	145	122	6	6	0
Total of all flight service stations (51)	85,591	55,088	9,657	20,846	1,396	1,264	132

Table 3-1
Itinerant movements by type of operator — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford	2,639	469	1,541	59	463	59	48
Boundary Bay	4,006	8	758	2,224	975	26	15
Calgary International	20,136	17,746	730	245	1,195	180	40
Calgary/Springbank	3,056	14	699	1,468	858	13	4
Chicoutimi/St-Honoré	1,760	520	30	979	229	2	0
Edmonton City Centre	3,749	1,109	511	935	585	579	30
Edmonton International	11,998	10,752	365	98	715	4	64
Edmonton/Villeneuve	1,226	4	54	260	321	2	585
Fort McMurray	5,731	1,921	2,731	330	713	36	0
Fredericton International	3,057	781	2,038	4	124	80	30
Gander International	1,765	1,238	49	30	269	26	153
Halifax/Robert L. Stanfield International	6,784	5,872	366	5	278	66	197
Hamilton	2,203	1,668	88	45	218	158	26
Kelowna	4,088	2,683	538	346	446	38	37
Kitchener/Waterloo	3,061	493	1,726	33	802	0	7
Langley	2,228	31	38	856	743	3	557
London	3,079	1,201	297	928	578	63	12
Moncton/Greater Moncton International	2,936	1,611	1,023	0	123	177	2
Montréal/Pierre Elliott Trudeau International	19,071	16,786	904	63	1,103	196	19
Montréal/St-Hubert	6,367	2,460	643	2,050	1,040	70	104
Oshawa	2,313	37	105	1,610	461	100	0
Ottawa/Macdonald-Cartier International	11,039	7,896	237	2,036	365	313	192
Pitt Meadows	1,647	12	504	339	772	20	0
Prince George	1,952	1,169	421	15	266	71	10
Québec/Jean Lesage International	8,313	4,322	2,124	523	974	315	55
Regina International	3,334	2,149	580	43	368	132	62
Saskatoon/John G. Diefenbaker International	5,541	3,610	816	246	549	280	40
Sault Ste. Marie	2,293	1,085	52	995	110	26	25
St. John's International	3,378	2,564	337	6	148	222	101
St-Jean	1,876	2	122	62	851	0	839
Thunder Bay	5,453	3,443	175	1,392	260	117	66
Toronto/Billy Bishop Toronto City	6,966	5,218	581	744	405	12	6
Toronto/Buttonville Municipal	3,683	164	1,770	41	1,555	145	8
Toronto/Lester B. Pearson International	36,077	34,209	688	10	1,136	10	24
Vancouver Harbour	3,956	3,596	306	2	46	0	6
Vancouver International	24,399	21,783	1,643	88	657	195	33
Victoria International	6,956	3,378	2,157	237	951	21	212
Whitehorse International	1,348	731	360	5	198	26	28
Windsor	1,282	544	419	15	291	3	10
Winnipeg/James Armstrong Richardson International	10,218	8,854	323	59	372	323	287
Winnipeg/St. Andrews	2,357	576	1,085	464	230	2	0
Yellowknife	3,699	2,720	442	370	21	65	81
Total of NAV CANADA towers (42)	257,020	175,429	30,376	20,260	22,764	4,176	4,015

Table 3-2
Itinerant movements by type of operator — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Brandon Municipal	1,449	117	140	23	664	13	492
Campbell River	1,221	582	237	153	230	18	1
Castlegar	623	223	118	223	41	8	10
Charlottetown	921	714	14	0	153	36	4
Churchill	797	674	70	6	27	18	2
Cranbrook	738	568	17	12	113	2	26
Deer Lake	1,413	1,229	69	4	37	63	11
Fort Nelson	1,925	495	1,312	11	82	2	23
Fort St. John	1,630	839	569	2	188	30	2
Grande Prairie	2,108	1,140	574	25	349	20	0
High Level	724	447	241	0	16	18	2
Îles-de-la-Madeleine	421	348	14	0	3	46	10
Inuvik/Mike Zubko	1,101	869	149	2	6	42	33
Iqaluit	1,588	1,179	119	64	92	121	13
Kamloops	1,789	889	467	104	271	33	25
Kenora	700	370	99	132	59	11	29
Kingston	1,298	481	294	174	309	6	34
Kuujuuaq	969	811	87	13	38	20	0
La Grande Rivière	679	471	124	18	56	10	0
La Ronge	1,244	1,112	21	0	32	79	0
Lethbridge	1,210	533	58	234	304	22	59
Lloydminster	666	216	196	10	205	22	17
Medicine Hat	1,109	540	223	98	223	14	11
Mont-Joli	905	604	206	8	71	16	0
Montréal/Mirabel International	1,280	754	311	14	187	0	14
Nanaimo	1,735	459	526	44	507	25	174
Norman Wells	924	614	284	2	4	20	0
North Bay	1,506	682	258	242	251	27	46
Ottawa/Gatineau	1,281	172	377	106	607	13	6
Peace River	658	419	160	14	50	11	4
Penticton	1,032	252	386	14	281	14	85
Port Hardy	706	534	58	10	61	31	12
Prince Albert	1,625	1,418	14	2	73	108	10
Prince Rupert	224	192	9	2	5	14	2
Rankin Inlet	1,165	879	262	4	0	18	2
Red Deer Regional	1,251	217	531	53	420	21	9
Rouyn-Noranda	1,277	822	236	71	120	28	0
Saint John	1,189	735	32	56	361	3	2
Sept-Îles	2,601	1,392	837	125	142	103	2
Sioux Lookout	2,310	1,900	97	226	18	49	20
Smithers	980	499	411	10	48	12	0
St. Catharines	1,214	10	843	16	337	8	0
Sudbury	2,649	1,653	356	277	271	76	16
Terrace	1,499	630	780	2	43	42	2
Thompson	2,594	2,098	270	14	23	189	0
Timmins	2,208	1,880	114	10	158	42	4
Val-d'Or	1,234	918	81	38	165	27	5
Victoria Harbour	2,376	2,248	9	0	3	111	5
Wabush	1,980	1,484	317	14	104	27	34
Whitecourt	540	4	413	108	7	8	0
Williams Lake	743	439	146	7	137	8	6
Total of all flight service stations (51)	66,009	38,755	13,536	2,797	7,952	1,705	1,264

Table 4-1
Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements
— NAV CANADA towers

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Abbotsford	2,639	668	25.3	1,971	74.6	1,307
Boundary Bay	4,006	437	10.9	3,569	89.0	662
Calgary International	20,136	19,523	96.9	613	3.0	296
Calgary/Springbank	3,056	253	8.2	2,803	91.7	89
Chicoutimi/St-Honoré	1,760	263	14.9	1,497	85.0	145
Edmonton City Centre	3,749	1,938	51.6	1,811	48.3	1,183
Edmonton International	11,998	11,570	96.4	428	3.5	525
Edmonton/Villeneuve	1,226	65	5.3	1,161	94.6	97
Fort McMurray	5,731	2,678	46.7	3,053	53.2	271
Fredericton International	3,057	898	29.3	2,159	70.6	215
Gander International	1,765	1,155	65.4	610	34.5	153
Halifax/Robert L. Stanfield International	6,784	6,403	94.3	381	5.6	261
Hamilton	2,203	1,864	84.6	339	15.3	754
Kelowna	4,088	2,619	64.0	1,469	35.9	654
Kitchener/Waterloo	3,061	739	24.1	2,322	75.8	474
Langley	2,228	19	0.8	2,209	99.1	644
London	3,079	1,477	47.9	1,602	52.0	325
Moncton/Greater Moncton International	2,936	1,840	62.6	1,096	37.3	66
Montréal/Pierre Elliott Trudeau International	19,071	18,563	97.3	508	2.6	1,223
Montréal/St-Hubert	6,367	1,726	27.1	4,641	72.8	833
Oshawa	2,313	173	7.4	2,140	92.5	417
Ottawa/Macdonald-Cartier International	11,039	8,544	77.3	2,495	22.6	691
Pitt Meadows	1,647	25	1.5	1,622	98.4	1,415
Prince George	1,952	1,349	69.1	603	30.8	359
Québec/Jean Lesage International	8,313	5,617	67.5	2,696	32.4	1,044
Regina International	3,334	2,574	77.2	760	22.7	173
Saskatoon/John G. Diefenbaker International	5,541	4,126	74.4	1,415	25.5	309
Sault Ste. Marie	2,293	1,185	51.6	1,108	48.3	115
St. John's International	3,378	3,189	94.4	189	5.5	115
St-Jean	1,876	25	1.3	1,851	98.6	379
Thunder Bay	5,453	3,675	67.3	1,778	32.6	80
Toronto/Billy Bishop Toronto City	6,966	5,487	78.7	1,479	21.2	1,266
Toronto/Buttonville Municipal	3,683	699	18.9	2,984	81.0	957
Toronto/Lester B. Pearson International	36,077	36,034	99.8	43	0.1	194
Vancouver Harbour	3,956	297	7.5	3,659	92.4	1,132
Vancouver International	24,399	21,053	86.2	3,346	13.7	4,163
Victoria International	6,956	3,881	55.7	3,075	44.2	2,598
Whitehorse International	1,348	624	46.2	724	53.7	279
Windsor	1,282	655	51.0	627	48.9	105
Winnipeg/James Armstrong Richardson International	10,218	9,455	92.5	763	7.4	234
Winnipeg/St. Andrews	2,357	152	6.4	2,205	93.5	144
Yellowknife	3,699	2,561	69.2	1,138	30.7	400
Total of NAV CANADA towers (42)	257,020	186,078	72.4	70,942	27.6	26,746

1. Total excludes runway 88 flights.

Table 4-2

Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Brandon Municipal	1,449	176	12.1	1,273	87.8	105
Campbell River	1,221	528	43.2	693	56.7	348
Castlegar	623	255	40.9	368	59.0	78
Charlottetown	921	813	88.2	108	11.7	48
Churchill	797	708	88.8	89	11.1	316
Cranbrook	738	636	86.1	102	13.8	88
Deer Lake	1,413	1,310	92.7	103	7.2	42
Fort Nelson	1,925	525	27.2	1,400	72.7	57
Fort St. John	1,630	980	60.1	650	39.8	47
Grande Prairie	2,108	1,348	63.9	760	36.0	119
High Level	724	252	34.8	472	65.1	159
Îles-de-la-Madeleine	421	414	98.3	7	1.6	4
Inuvik/Mike Zubko	1,101	502	45.5	599	54.4	13
Iqaluit	1,588	1,298	81.7	290	18.2	103
Kamloops	1,789	1,024	57.2	765	42.7	410
Kenora	700	439	62.7	261	37.2	355
Kingston	1,298	610	46.9	688	53.0	128
Kuujuuaq	969	485	50.0	484	49.9	56
La Grande Rivière	679	575	84.6	104	15.3	251
La Ronge	1,244	879	70.6	365	29.3	530
Lethbridge	1,210	688	56.8	522	43.1	13
Lloydminster	666	317	47.5	349	52.4	18
Medicine Hat	1,109	467	42.1	642	57.8	188
Mont-Joli	905	793	87.6	112	12.3	19
Montréal/Mirabel International	1,280	841	65.7	439	34.2	1,359
Nanaimo	1,735	666	38.3	1,069	61.6	617
Norman Wells	924	223	24.1	701	75.8	116
North Bay	1,506	786	52.1	720	47.8	447
Ottawa/Gatineau	1,281	188	14.6	1,093	85.3	458
Peace River	658	446	67.7	212	32.2	14
Penticton	1,032	260	25.1	772	74.8	204
Port Hardy	706	264	37.3	442	62.6	270
Prince Albert	1,625	1,508	92.7	117	7.2	52
Prince Rupert	224	155	69.1	69	30.8	11
Rankin Inlet	1,165	898	77.0	267	22.9	47
Red Deer Regional	1,251	391	31.2	860	68.7	162
Rouyn-Noranda	1,277	1,128	88.3	149	11.6	71
Saint John	1,189	958	80.5	231	19.4	30
Sept-Îles	2,601	1,994	76.6	607	23.3	769
Sioux Lookout	2,310	1,947	84.2	363	15.7	365
Smithers	980	473	48.2	507	51.7	632
St. Catharines	1,214	101	8.3	1,113	91.6	301
Sudbury	2,649	1,819	68.6	830	31.3	117
Terrace	1,499	756	50.4	743	49.5	189
Thompson	2,594	2,030	78.2	564	21.7	230
Timmins	2,208	1,958	88.6	250	11.3	89
Val-d'Or	1,234	981	79.4	253	20.5	317
Victoria Harbour	2,376	334	14.0	2,042	85.9	851
Wabush	1,980	1,754	88.5	226	11.4	448
Whitecourt	540	10	1.8	530	98.1	81
Williams Lake	743	455	61.2	288	38.7	92
Total of all flight service stations (51)	66,009	39,346	59.6	26,663	40.4	11,834

1. Total excludes runway 88 flights.

Table 5-1
Itinerant movements by type of power plant — NAV CANADA towers

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	2,639	482	111	1,104	924	18
Boundary Bay	4,006	3	34	3,708	261	0
Calgary International	20,136	13,647	5,744	255	490	0
Calgary/Springbank	3,056	36	88	2,166	766	0
Chicoutimi/St-Honoré	1,760	2	94	1,380	284	0
Edmonton City Centre	3,749	284	1,559	1,268	638	0
Edmonton International	11,998	7,365	4,184	303	146	0
Edmonton/Villeneuve	1,226	18	26	836	66	280
Fort McMurray	5,731	1,430	1,605	711	1,985	0
Fredericton International	3,057	59	853	2,035	110	0
Gander International	1,765	493	614	533	125	0
Halifax/Robert L. Stanfield International	6,784	3,625	2,644	186	329	0
Hamilton	2,203	1,273	578	276	76	0
Kelowna	4,088	1,104	1,482	1,141	361	0
Kitchener/Waterloo	3,061	272	383	2,153	250	3
Langley	2,228	0	23	1,645	291	269
London	3,079	439	1,013	1,485	142	0
Moncton/Greater Moncton International	2,936	675	1,120	1,082	59	0
Montréal/Pierre Elliott Trudeau International	19,071	11,960	6,549	307	255	0
Montréal/St-Hubert	6,367	228	1,190	4,642	301	6
Oshawa	2,313	32	53	2,130	98	0
Ottawa/Macdonald-Cartier International	11,039	5,748	2,817	2,203	271	0
Pitt Meadows	1,647	1	12	1,486	148	0
Prince George	1,952	291	1,078	379	204	0
Québec/Jean Lesage International	8,313	1,323	4,139	1,941	910	0
Regina International	3,334	1,673	740	832	87	2
Saskatoon/John G. Diefenbaker International	5,541	1,925	2,162	1,378	76	0
Sault Ste. Marie	2,293	46	1,135	1,084	28	0
St. John's International	3,378	1,440	1,540	50	348	0
St-Jean	1,876	0	0	1,233	34	609
Thunder Bay	5,453	374	3,273	1,604	202	0
Toronto/Billy Bishop Toronto City	6,966	14	5,424	1,132	396	0
Toronto/Buttonville Municipal	3,683	81	316	3,006	280	0
Toronto/Lester B. Pearson International	36,077	29,419	6,631	26	1	0
Vancouver Harbour	3,956	0	2,229	982	745	0
Vancouver International	24,399	11,520	9,897	2,262	720	0
Victoria International	6,956	1,315	2,358	2,979	304	0
Whitehorse International	1,348	399	360	412	177	0
Windsor	1,282	103	528	635	16	0
Winnipeg/James Armstrong Richardson International	10,218	5,286	4,165	544	223	0
Winnipeg/St. Andrews	2,357	0	683	1,520	154	0
Yellowknife	3,699	735	2,229	303	432	0
Total of NAV CANADA towers (42)	257,020	105,120	81,663	55,337	13,713	1,187

Table 5-2
Itinerant movements by type of power plant — NAV CANADA flight service stations

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,449	54	152	780	22	441
Campbell River	1,221	23	608	328	262	0
Castlegar	623	18	247	281	77	0
Charlottetown	921	350	433	118	20	0
Churchill	797	132	573	66	26	0
Cranbrook	738	29	557	137	15	0
Deer Lake	1,413	200	1,108	33	72	0
Fort Nelson	1,925	114	448	196	1,167	0
Fort St. John	1,630	254	716	183	477	0
Grande Prairie	2,108	196	1,024	474	414	0
High Level	724	4	327	157	236	0
Îles-de-la-Madeleine	421	12	401	7	1	0
Inuvik/Mike Zubko	1,101	136	642	184	139	0
Iqaluit	1,588	348	1,067	47	126	0
Kamloops	1,789	120	887	541	241	0
Kenora	700	9	461	120	110	0
Kingston	1,298	31	538	624	105	0
Kuujuuaq	969	178	716	29	46	0
La Grande Rivière	679	93	539	43	4	0
La Ronge	1,244	0	1,080	120	44	0
Lethbridge	1,210	94	567	482	67	0
Lloydminster	666	43	304	274	45	0
Medicine Hat	1,109	26	567	469	47	0
Mont-Joli	905	36	797	60	12	0
Montréal/Mirabel International	1,280	622	217	288	153	0
Nanaimo	1,735	26	471	1,101	58	79
Norman Wells	924	174	294	178	278	0
North Bay	1,506	32	740	277	445	12
Ottawa/Gatineau	1,281	9	129	989	154	0
Peace River	658	20	395	83	160	0
Penticton	1,032	22	290	290	430	0
Port Hardy	706	8	301	307	90	0
Prince Albert	1,625	16	1,497	84	28	0
Prince Rupert	224	21	134	2	67	0
Rankin Inlet	1,165	271	632	2	260	0
Red Deer Regional	1,251	75	331	710	134	1
Rouyn-Noranda	1,277	106	1,058	105	8	0
Saint John	1,189	121	825	194	49	0
Sept-Îles	2,601	56	1,797	316	432	0
Sioux Lookout	2,310	4	1,948	328	30	0
Smithers	980	27	567	71	315	0
St. Catharines	1,214	10	30	696	478	0
Sudbury	2,649	30	1,762	528	329	0
Terrace	1,499	39	754	36	670	0
Thompson	2,594	51	2,220	179	144	0
Timmins	2,208	8	1,987	144	69	0
Val-d'Or	1,234	148	830	183	73	0
Victoria Harbour	2,376	0	1,586	87	703	0
Wabush	1,980	62	1,662	128	128	0
Whitecourt	540	0	10	2	527	1
Williams Lake	743	22	439	141	141	0
Total of all flight service stations (51)	66,009	4,480	37,665	13,202	10,128	534

Table 6-1
Itinerant movements by aircraft weight group — NAV CANADA towers

	Maximum 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 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Abbotsford	1,724	297	85	57	24	9	435	6	0	2
Boundary Bay	3,565	375	43	23	0	0	0	0	0	0
Calgary International	405	410	1,631	2,174	971	4,636	8,301	835	184	589
Calgary/Springbank	2,690	208	125	30	0	3	0	0	0	0
Chicoutimi/St-Honoré	1,346	327	85	0	2	0	0	0	0	0
Edmonton City Centre	1,637	250	1,407	338	105	12	0	0	0	0
Edmonton International	230	260	804	1,168	652	2,777	5,564	317	161	65
Edmonton/Villeneuve	1,114	47	54	9	2	0	0	0	0	0
Fort McMurray	2,151	1,016	547	442	80	849	580	66	0	0
Fredericton International	2,117	103	137	287	85	316	2	6	0	4
Gander International	526	21	12	517	298	272	19	48	18	34
Halifax/Robert L. Stanfield International	112	259	330	1,105	950	1,381	1,943	379	182	143
Hamilton	206	292	197	284	122	60	443	10	445	144
Kelowna	1,281	214	292	536	28	886	844	2	5	0
Kitchener/Waterloo	2,345	69	373	43	34	119	70	0	8	0
Langley	2,128	48	10	39	3	0	0	0	0	0
London	1,501	82	255	180	508	362	185	2	4	0
Moncton/Greater Moncton International	1,111	117	151	336	74	668	145	0	330	4
Montréal/Pierre Elliott Trudeau International	355	164	631	615	3,048	6,999	4,474	1,352	0	1,433
Montréal/St-Hubert	4,361	514	797	518	169	6	2	0	0	0
Oshawa	2,037	188	40	41	7	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,233	130	790	308	811	3,468	2,632	403	46	218
Pitt Meadows	1,544	88	4	5	6	0	0	0	0	0
Prince George	426	164	154	614	21	394	177	0	0	2
Québec/Jean Lesage International	2,392	458	973	579	1,505	2,120	214	4	0	68
Regina International	677	245	404	365	51	884	636	2	70	0
Saskatoon/John G. Diefenbaker International	1,288	177	830	899	338	1,124	840	2	43	0
Sault Ste. Marie	1,080	64	622	76	115	335	1	0	0	0
St. John's International	41	24	197	684	758	399	960	217	88	10
St-Jean	1,868	7	1	0	0	0	0	0	0	0
Thunder Bay	1,574	211	2,278	194	139	848	204	5	0	0
Toronto/Billy Bishop Toronto City	1,266	147	308	236	10	4,997	0	2	0	0
Toronto/Buttonville Municipal	3,003	333	261	56	16	13	1	0	0	0
Toronto/Lester B. Pearson International	8	158	408	1,882	3,393	8,546	14,050	4,244	188	3,200
Vancouver Harbour	142	2,993	818	0	3	0	0	0	0	0
Vancouver International	493	3,269	808	2,878	1,941	5,209	6,486	1,145	275	1,895
Victoria International	2,550	829	160	584	872	1,292	606	27	34	2
Whitehorse International	498	124	139	94	7	218	264	4	0	0
Windsor	553	100	68	93	103	343	22	0	0	0
Winnipeg/James Armstrong Richardson International	382	459	2,887	319	956	1,766	2,491	270	627	61
Winnipeg/St. Andrews	1,531	729	97	0	0	0	0	0	0	0
Yellowknife	433	529	663	312	278	849	506	129	0	0
Total of NAV CANADA towers (42)	56,924	16,499	20,876	18,920	18,485	52,160	53,097	9,477	2,708	7,874

Table 6-2
Itinerant movements by aircraft weight group — NAV CANADA flight service stations

	Maximum take-off weight in kilograms									
	2,000	2,001	4,001	5,671	9,001	18,001	35,001	70,001	90,001	136,001
	and under	to 4,000	to 5,670	to 9,000	to 18,000	to 35,000	to 70,000	to 90,000	to 136,000	and over
	number									
Brandon Municipal	1,187	70	126	22	18	4	0	22	0	0
Campbell River	545	34	25	481	131	3	2	0	0	0
Castlegar	291	67	38	20	0	199	8	0	0	0
Charlottetown	92	126	51	188	71	242	149	2	0	0
Churchill	43	53	110	8	164	411	8	0	0	0
Cranbrook	88	64	63	337	70	112	4	0	0	0
Deer Lake	83	15	24	489	557	116	124	5	0	0
Fort Nelson	955	141	381	162	164	72	50	0	0	0
Fort St. John	581	67	204	270	160	318	30	0	0	0
Grande Prairie	633	243	435	109	15	537	134	0	0	2
High Level	340	93	167	122	2	0	0	0	0	0
Îles-de-la-Madeleine	4	4	108	123	162	10	10	0	0	0
Inuvik/Mike Zubko	270	84	438	106	2	90	92	19	0	0
Iqaluit	32	75	428	210	197	357	222	15	8	44
Kamloops	553	123	179	314	126	394	98	2	0	0
Kenora	126	22	527	4	4	3	3	11	0	0
Kingston	684	35	130	207	223	9	0	10	0	0
Kuujuuaq	66	9	574	2	17	141	142	0	0	18
La Grande Rivière	24	27	183	8	36	316	85	0	0	0
La Ronge	63	101	586	156	254	84	0	0	0	0
Lethbridge	375	158	153	463	33	28	0	0	0	0
Lloydminster	284	49	166	150	14	3	0	0	0	0
Medicine Hat	447	65	266	310	10	9	0	2	0	0
Mont-Joli	49	23	291	205	153	160	24	0	0	0
Montréal/Mirabel International	416	76	3	46	18	132	89	1	296	203
Nanaimo	829	398	43	28	16	421	0	0	0	0
Norman Wells	346	169	153	43	2	37	174	0	0	0
North Bay	699	42	464	53	184	32	8	24	0	0
Ottawa/Gatineau	1,012	127	57	78	4	1	0	2	0	0
Peace River	125	79	384	56	12	2	0	0	0	0
Penticton	588	117	44	74	23	171	15	0	0	0
Port Hardy	65	323	38	127	149	4	0	0	0	0
Prince Albert	74	40	228	503	473	307	0	0	0	0
Prince Rupert	25	9	43	40	49	58	0	0	0	0
Rankin Inlet	78	184	122	8	105	502	164	2	0	0
Red Deer Regional	774	71	210	107	23	50	16	0	0	0
Rouyn-Noranda	111	2	458	50	372	210	74	0	0	0
Saint John	154	173	137	258	232	235	0	0	0	0
Sept-Îles	492	262	616	277	525	425	4	0	0	0
Sioux Lookout	45	320	1,184	649	108	2	0	2	0	0
Smithers	360	103	64	266	88	99	0	0	0	0
St. Catharines	1,103	63	26	16	5	1	0	0	0	0
Sudbury	572	215	1,014	237	238	362	2	9	0	0
Terrace	510	188	157	207	242	195	0	0	0	0
Thompson	151	203	1,334	30	237	639	0	0	0	0
Timmins	156	120	1,086	81	315	450	0	0	0	0
Val-d'Or	221	32	296	80	337	155	105	0	8	0
Victoria Harbour	20	1,525	822	4	5	0	0	0	0	0
Wabush	171	87	417	460	476	361	8	0	0	0
Whitecourt	522	3	15	0	0	0	0	0	0	0
Williams Lake	253	18	19	432	15	2	0	4	0	0
Total of all flight service stations (51)	17,687	6,697	15,087	8,676	6,836	8,471	1,844	132	312	267

Table 7-1
Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	2,584	462	1,525	57	433	59	48
Transborder	55	7	16	2	30	0	0
Other international	0	0	0	0	0	0	0
Total	2,639	469	1,541	59	463	59	48
Boundary Bay							
Domestic	3,947	8	750	2,201	947	26	15
Transborder	59	0	8	23	28	0	0
Other international	0	0	0	0	0	0	0
Total	4,006	8	758	2,224	975	26	15
Calgary International							
Domestic	16,177	14,126	656	236	945	180	34
Transborder	3,454	3,136	70	9	236	0	3
Other international	505	484	4	0	14	0	3
Total	20,136	17,746	730	245	1,195	180	40
Calgary/Springbank							
Domestic	2,987	13	693	1,466	801	10	4
Transborder	69	1	6	2	57	3	0
Other international	0	0	0	0	0	0	0
Total	3,056	14	699	1,468	858	13	4
Chicoutimi/St-Honoré							
Domestic	1,759	520	30	978	229	2	0
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	1,760	520	30	979	229	2	0
Edmonton City Centre							
Domestic	3,719	1,107	504	933	566	579	30
Transborder	30	2	7	2	19	0	0
Other international	0	0	0	0	0	0	0
Total	3,749	1,109	511	935	585	579	30
Edmonton International							
Domestic	10,465	9,330	356	86	633	2	58
Transborder	1,443	1,334	8	12	81	2	6
Other international	90	88	1	0	1	0	0
Total	11,998	10,752	365	98	715	4	64
Edmonton/Villeneuve							
Domestic	1,224	3	54	260	320	2	585
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,226	4	54	260	321	2	585
Fort McMurray							
Domestic	5,718	1,917	2,729	330	706	36	0
Transborder	13	4	2	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	5,731	1,921	2,731	330	713	36	0
Fredericton International							
Domestic	3,017	766	2,038	4	105	80	24
Transborder	37	15	0	0	19	0	3
Other international	3	0	0	0	0	0	3
Total	3,057	781	2,038	4	124	80	30
Gander International							
Domestic	1,350	1,131	48	4	64	26	77
Transborder	189	42	0	11	97	0	39
Other international	226	65	1	15	108	0	37
Total	1,765	1,238	49	30	269	26	153

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Halifax/Robert L. Stanfield International							
Domestic	5,831	5,056	359	3	193	66	154
Transborder	803	690	6	1	78	0	28
Other international	150	126	1	1	7	0	15
Total	6,784	5,872	366	5	278	66	197
Hamilton							
Domestic	1,588	1,141	74	45	145	158	25
Transborder	584	505	13	0	65	0	1
Other international	31	22	1	0	8	0	0
Total	2,203	1,668	88	45	218	158	26
Kelowna							
Domestic	3,889	2,536	532	342	404	38	37
Transborder	197	146	6	4	41	0	0
Other international	2	1	0	0	1	0	0
Total	4,088	2,683	538	346	446	38	37
Kitchener/Waterloo							
Domestic	2,806	352	1,696	33	719	0	6
Transborder	251	141	30	0	79	0	1
Other international	4	0	0	0	4	0	0
Total	3,061	493	1,726	33	802	0	7
Langley							
Domestic	2,224	31	38	856	739	3	557
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,228	31	38	856	743	3	557
London							
Domestic	2,813	1,029	288	927	497	61	11
Transborder	266	172	9	1	81	2	1
Other international	0	0	0	0	0	0	0
Total	3,079	1,201	297	928	578	63	12
Moncton/Greater Moncton International							
Domestic	2,853	1,546	1,019	0	109	177	2
Transborder	81	65	4	0	12	0	0
Other international	2	0	0	0	2	0	0
Total	2,936	1,611	1,023	0	123	177	2
Montréal/Pierre Elliott Trudeau International							
Domestic	11,057	9,396	764	38	648	196	15
Transborder	6,219	5,664	121	18	416	0	0
Other international	1,795	1,726	19	7	39	0	4
Total	19,071	16,786	904	63	1,103	196	19
Montréal/St-Hubert							
Domestic	6,227	2,446	636	2,049	924	70	102
Transborder	138	14	7	1	115	0	1
Other international	2	0	0	0	1	0	1
Total	6,367	2,460	643	2,050	1,040	70	104
Oshawa							
Domestic	2,253	23	98	1,605	427	100	0
Transborder	60	14	7	5	34	0	0
Other international	0	0	0	0	0	0	0
Total	2,313	37	105	1,610	461	100	0
Ottawa/Macdonald-Cartier International							
Domestic	8,819	5,833	219	2,026	270	309	162
Transborder	2,077	1,939	17	10	91	4	16
Other international	143	124	1	0	4	0	14
Total	11,039	7,896	237	2,036	365	313	192

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	1,642	12	503	339	768	20	0
Transborder	4	0	0	0	4	0	0
Other international	1	0	1	0	0	0	0
Total	1,647	12	504	339	772	20	0
Prince George							
Domestic	1,935	1,166	421	15	254	71	8
Transborder	16	2	0	0	12	0	2
Other international	1	1	0	0	0	0	0
Total	1,952	1,169	421	15	266	71	10
Québec/Jean Lesage International							
Domestic	7,464	3,570	2,117	523	893	315	46
Transborder	791	708	5	0	77	0	1
Other international	58	44	2	0	4	0	8
Total	8,313	4,322	2,124	523	974	315	55
Regina International							
Domestic	2,899	1,807	574	35	292	132	59
Transborder	435	342	6	8	76	0	3
Other international	0	0	0	0	0	0	0
Total	3,334	2,149	580	43	368	132	62
Saskatoon/John G. Diefenbaker International							
Domestic	5,155	3,324	801	246	469	277	38
Transborder	383	283	15	0	80	3	2
Other international	3	3	0	0	0	0	0
Total	5,541	3,610	816	246	549	280	40
Sault Ste. Marie							
Domestic	2,277	1,083	52	995	96	26	25
Transborder	16	2	0	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	2,293	1,085	52	995	110	26	25
St. John's International							
Domestic	3,061	2,421	335	1	68	219	17
Transborder	138	55	0	2	42	0	39
Other international	179	88	2	3	38	3	45
Total	3,378	2,564	337	6	148	222	101
St-Jean							
Domestic	1,875	2	122	62	851	0	838
Transborder	1	0	0	0	0	0	1
Other international	0	0	0	0	0	0	0
Total	1,876	2	122	62	851	0	839
Thunder Bay							
Domestic	5,405	3,431	174	1,392	229	117	62
Transborder	46	12	1	0	30	0	3
Other international	2	0	0	0	1	0	1
Total	5,453	3,443	175	1,392	260	117	66
Toronto/Billy Bishop Toronto City							
Domestic	5,396	3,764	571	742	301	12	6
Transborder	1,569	1,454	10	2	103	0	0
Other international	1	0	0	0	1	0	0
Total	6,966	5,218	581	744	405	12	6
Toronto/Buttonville Municipal							
Domestic	3,499	146	1,746	40	1,416	145	6
Transborder	182	18	24	1	137	0	2
Other international	2	0	0	0	2	0	0
Total	3,683	164	1,770	41	1,555	145	8

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B. Pearson International							
Domestic	15,782	14,967	405	6	372	10	22
Transborder	15,931	14,929	265	3	732	0	2
Other international	4,364	4,313	18	1	32	0	0
Total	36,077	34,209	688	10	1,136	10	24
Vancouver Harbour							
Domestic	3,953	3,596	306	2	43	0	6
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	3,956	3,596	306	2	46	0	6
Vancouver International							
Domestic	18,505	16,195	1,606	66	417	192	29
Transborder	4,412	4,117	35	22	235	2	1
Other international	1,482	1,471	2	0	5	1	3
Total	24,399	21,783	1,643	88	657	195	33
Victoria International							
Domestic	6,321	2,890	2,130	236	834	21	210
Transborder	633	487	27	1	116	0	2
Other international	2	1	0	0	1	0	0
Total	6,956	3,378	2,157	237	951	21	212
Whitehorse International							
Domestic	1,305	720	359	5	169	25	27
Transborder	41	11	1	0	27	1	1
Other international	2	0	0	0	2	0	0
Total	1,348	731	360	5	198	26	28
Windsor							
Domestic	1,209	530	405	15	248	3	8
Transborder	71	13	14	0	42	0	2
Other international	2	1	0	0	1	0	0
Total	1,282	544	419	15	291	3	10
Winnipeg/James Armstrong Richardson International							
Domestic	9,043	7,848	302	42	259	315	277
Transborder	1,161	996	21	17	109	8	10
Other international	14	10	0	0	4	0	0
Total	10,218	8,854	323	59	372	323	287
Winnipeg/St. Andrews							
Domestic	2,355	576	1,084	464	229	2	0
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,357	576	1,085	464	230	2	0
Yellowknife							
Domestic	3,695	2,719	442	369	19	65	81
Transborder	2	0	0	0	2	0	0
Other international	2	1	0	1	0	0	0
Total	3,699	2,720	442	370	21	65	81
Total of NAV CANADA towers (42)							
Domestic	206,083	129,539	29,561	20,074	19,051	4,147	3,711
Transborder	41,867	37,321	762	157	3,432	25	170
Other international	9,070	8,569	53	29	281	4	134
Total	257,020	175,429	30,376	20,260	22,764	4,176	4,015

Table 7-2
Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Brandon Municipal							
Domestic	1,420	112	140	23	650	13	482
Transborder	29	5	0	0	14	0	10
Other international	0	0	0	0	0	0	0
Total	1,449	117	140	23	664	13	492
Campbell River							
Domestic	1,196	582	237	153	205	18	1
Transborder	25	0	0	0	25	0	0
Other international	0	0	0	0	0	0	0
Total	1,221	582	237	153	230	18	1
Castlegar							
Domestic	619	223	118	223	37	8	10
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	623	223	118	223	41	8	10
Charlottetown							
Domestic	906	714	14	0	138	36	4
Transborder	15	0	0	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	921	714	14	0	153	36	4
Churchill							
Domestic	794	674	70	6	24	18	2
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	797	674	70	6	27	18	2
Cranbrook							
Domestic	728	567	16	12	105	2	26
Transborder	10	1	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	738	568	17	12	113	2	26
Deer Lake							
Domestic	1,406	1,227	69	4	32	63	11
Transborder	7	2	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,413	1,229	69	4	37	63	11
Fort Nelson							
Domestic	1,923	495	1,312	11	80	2	23
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,925	495	1,312	11	82	2	23
Fort St. John							
Domestic	1,629	839	569	2	187	30	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,630	839	569	2	188	30	2
Grande Prairie							
Domestic	2,104	1,140	574	25	345	20	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,108	1,140	574	25	349	20	0
High Level							
Domestic	724	447	241	0	16	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	724	447	241	0	16	18	2

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Îles-de-la-Madeleine							
Domestic	419	348	14	0	1	46	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	421	348	14	0	3	46	10
Inuvik/Mike Zubko							
Domestic	1,097	869	148	2	6	42	30
Transborder	3	0	0	0	0	0	3
Other international	1	0	1	0	0	0	0
Total	1,101	869	149	2	6	42	33
Iqaluit							
Domestic	1,504	1,148	116	60	49	119	12
Transborder	16	5	0	1	10	0	0
Other international	68	26	3	3	33	2	1
Total	1,588	1,179	119	64	92	121	13
Kamloops							
Domestic	1,782	888	465	104	267	33	25
Transborder	7	1	2	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,789	889	467	104	271	33	25
Kenora							
Domestic	683	370	99	132	44	11	27
Transborder	17	0	0	0	15	0	2
Other international	0	0	0	0	0	0	0
Total	700	370	99	132	59	11	29
Kingston							
Domestic	1,262	475	290	174	283	6	34
Transborder	36	6	4	0	26	0	0
Other international	0	0	0	0	0	0	0
Total	1,298	481	294	174	309	6	34
Kuujuuaq							
Domestic	969	811	87	13	38	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	969	811	87	13	38	20	0
La Grande Rivière							
Domestic	679	471	124	18	56	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	679	471	124	18	56	10	0
La Ronge							
Domestic	1,244	1,112	21	0	32	79	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,244	1,112	21	0	32	79	0
Lethbridge							
Domestic	1,105	530	51	231	227	22	44
Transborder	103	3	5	3	77	0	15
Other international	2	0	2	0	0	0	0
Total	1,210	533	58	234	304	22	59
Lloydminster							
Domestic	661	214	196	10	202	22	17
Transborder	4	1	0	0	3	0	0
Other international	1	1	0	0	0	0	0
Total	666	216	196	10	205	22	17

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	1,101	538	223	98	217	14	11
Transborder	8	2	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,109	540	223	98	223	14	11
Mont-Joli							
Domestic	905	604	206	8	71	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	905	604	206	8	71	16	0
Montréal/Mirabel International							
Domestic	1,040	522	311	14	179	0	14
Transborder	236	228	0	0	8	0	0
Other international	4	4	0	0	0	0	0
Total	1,280	754	311	14	187	0	14
Nanaimo							
Domestic	1,716	458	523	43	493	25	174
Transborder	18	1	3	1	13	0	0
Other international	1	0	0	0	1	0	0
Total	1,735	459	526	44	507	25	174
Norman Wells							
Domestic	924	614	284	2	4	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	924	614	284	2	4	20	0
North Bay							
Domestic	1,490	676	257	241	243	27	46
Transborder	16	6	1	1	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,506	682	258	242	251	27	46
Ottawa/Gatineau							
Domestic	1,274	172	377	106	600	13	6
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,281	172	377	106	607	13	6
Peace River							
Domestic	657	419	160	14	49	11	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	658	419	160	14	50	11	4
Penticton							
Domestic	1,018	251	385	14	270	14	84
Transborder	14	1	1	0	11	0	1
Other international	0	0	0	0	0	0	0
Total	1,032	252	386	14	281	14	85
Port Hardy							
Domestic	699	534	58	10	54	31	12
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	706	534	58	10	61	31	12
Prince Albert							
Domestic	1,621	1,418	14	2	69	108	10
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,625	1,418	14	2	73	108	10

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince Rupert							
Domestic	219	189	9	2	4	14	1
Transborder	5	3	0	0	1	0	1
Other international	0	0	0	0	0	0	0
Total	224	192	9	2	5	14	2
Rankin Inlet							
Domestic	1,165	879	262	4	0	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,165	879	262	4	0	18	2
Red Deer Regional							
Domestic	1,235	216	530	53	406	21	9
Transborder	16	1	1	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	1,251	217	531	53	420	21	9
Rouyn-Noranda							
Domestic	1,277	822	236	71	120	28	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,277	822	236	71	120	28	0
Saint John							
Domestic	1,101	730	32	56	278	3	2
Transborder	88	5	0	0	83	0	0
Other international	0	0	0	0	0	0	0
Total	1,189	735	32	56	361	3	2
Sept-Îles							
Domestic	2,594	1,392	836	125	136	103	2
Transborder	5	0	0	0	5	0	0
Other international	2	0	1	0	1	0	0
Total	2,601	1,392	837	125	142	103	2
Sioux Lookout							
Domestic	2,306	1,898	97	225	17	49	20
Transborder	3	2	0	0	1	0	0
Other international	1	0	0	1	0	0	0
Total	2,310	1,900	97	226	18	49	20
Smithers							
Domestic	973	497	411	9	44	12	0
Transborder	6	2	0	0	4	0	0
Other international	1	0	0	1	0	0	0
Total	980	499	411	10	48	12	0
St. Catharines							
Domestic	1,177	8	830	15	316	8	0
Transborder	36	2	13	0	21	0	0
Other international	1	0	0	1	0	0	0
Total	1,214	10	843	16	337	8	0
Sudbury							
Domestic	2,637	1,651	353	277	264	76	16
Transborder	11	2	2	0	7	0	0
Other international	1	0	1	0	0	0	0
Total	2,649	1,653	356	277	271	76	16
Terrace							
Domestic	1,495	630	780	2	39	42	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,499	630	780	2	43	42	2

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Thompson							
Domestic	2,593	2,098	270	14	22	189	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,594	2,098	270	14	23	189	0
Timmins							
Domestic	2,205	1,879	114	10	156	42	4
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,208	1,880	114	10	158	42	4
Val-d'Or							
Domestic	1,233	918	81	38	164	27	5
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,234	918	81	38	165	27	5
Victoria Harbour							
Domestic	2,132	2,004	9	0	3	111	5
Transborder	244	244	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,376	2,248	9	0	3	111	5
Wabush							
Domestic	1,980	1,484	317	14	104	27	34
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,980	1,484	317	14	104	27	34
Whitecourt							
Domestic	540	4	413	108	7	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	540	4	413	108	7	8	0
Williams Lake							
Domestic	736	438	146	7	131	8	6
Transborder	7	1	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	743	439	146	7	137	8	6
Total of all flight service stations (51)							
Domestic	64,897	38,199	13,495	2,785	7,484	1,703	1,231
Transborder	1,029	525	33	6	433	0	32
Other international	83	31	8	6	35	2	1
Total	66,009	38,755	13,536	2,797	7,952	1,705	1,264

Table 8-1
Total aircraft movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	14	8,885	3	11	113	16	633
Boundary Bay	11	10,828	25	15	114	17	776
Calgary International	3	20,236	16	17	61	17	787
Calgary/Springbank	17	8,142	12	9	90	18	635
Chicoutimi/St-Honoré	20	7,462	3	11	142	2	719
Edmonton City Centre	31	4,295	3	13	41	5	242
Edmonton International	7	12,256	18	15	44	18	534
Edmonton/Villeneuve	35	3,770	13	10	59	14	325
Fort McMurray	23	6,177	24	11	41	11	301
Fredericton International	24	6,007	25	11	53	3	439
Gander International	39	2,699	19	18	53	19	269
Halifax/Robert L. Stanfield International	21	7,132	4	17	34	4	298
Hamilton	38	2,821	12	10	29	25	161
Kelowna	18	7,832	22	13	66	18	389
Kitchener/Waterloo	19	7,719	19	16	83	16	802
Langley	32	4,290	25	17	57	8	372
London	25	5,479	13	10	56	22	391
Moncton/Greater Moncton International	27	4,886	22	8	46	24	387
Montréal/Pierre Elliott Trudeau International	4	19,165	18	18	68	25	726
Montréal/St-Hubert	6	13,913	23	11	119	24	1,136
Oshawa	33	3,967	16	14	62	16	358
Ottawa/Macdonald-Cartier International	5	15,316	23	11	98	23	785
Pitt Meadows	29	4,457	6	15	87	6	422
Prince George	40	2,654	11	16	40	5	156
Québec/Jean Lesage International	8	11,249	27	11	72	26	701
Regina International	30	4,348	1	20	44	5	278
Saskatoon/John G. Diefenbaker International	15	8,433	5	15	56	18	422
Sault Ste. Marie	26	5,053	12	21	100	17	433
St. John's International	36	3,466	12	17	14	5	140
St-Jean	37	3,248	8	12	46	8	366
Thunder Bay	12	10,737	30	20	92	10	633
Toronto/Billy Bishop Toronto City	13	9,014	16	13	67	16	532
Toronto/Buttonville Municipal	16	8,207	16	20	93	16	701
Toronto/Lester B. Pearson International	1	36,193	18	18	101	5	1,299
Vancouver Harbour	34	3,962	5	16	29	4	210
Vancouver International	2	24,451	5	17	75	5	939
Victoria International	10	11,198	25	11	89	25	660
Whitehorse International	42	1,892	5	10	36	3	127
Windsor	41	2,178	1	10	31	16	132
Winnipeg/James Armstrong Richardson International	9	11,226	22	15	44	11	481
Winnipeg/St. Andrews	22	6,911	13	10	81	10	450
Yellowknife	28	4,473	31	11	42	18	257

Table 8-2
Total aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	14	2,149	13	15	40	13	221
Campbell River	21	1,767	3	14	59	3	184
Castlegar	45	787	13	13	28	13	117
Charlottetown	38	1,051	19	10	15	19	78
Churchill	43	797	30	10	8	30	50
Cranbrook	44	788	17	13	19	17	53
Deer Lake	27	1,479	19	15	39	19	98
Fort Nelson	17	2,007	2	9	25	2	149
Fort St. John	20	1,880	2	12	30	4	134
Grande Prairie	6	2,874	4	14	45	4	238
High Level	41	886	23	13	26	23	121
Îles-de-la-Madeleine	50	421	3	17	5	4	22
Inuvik/Mike Zubko	35	1,139	31	19	21	11	64
Iqaluit	22	1,741	20	10	19	19	77
Kamloops	4	3,073	3	16	61	3	207
Kenora	34	1,140	13	17	35	16	129
Kingston	18	1,982	13	10	81	13	237
Kuuujuaq	39	1,033	24	14	13	25	63
La Grande Rivière	48	683	22	15	7	19	41
La Ronge	32	1,385	11	17	21	11	96
Lethbridge	23	1,698	15	19	35	4	111
Lloydminster	46	786	12	10	21	22	61
Medicine Hat	31	1,398	21	16	30	12	95
Mont-Joli	40	939	8	15	12	18	51
Montréal/Mirabel International	10	2,649	13	16	33	17	166
Nanaimo	7	2,863	25	15	68	6	295
Norman Wells	36	1,121	31	15	17	29	106
North Bay	1	4,018	25	9	73	24	352
Ottawa/Gatineau	3	3,447	8	12	49	26	275
Peace River	49	678	30	19	11	30	41
Penticton	16	2,010	25	14	35	17	151
Port Hardy	47	740	25	13	10	4	45
Prince Albert	24	1,647	24	15	18	10	83
Prince Rupert	51	226	17	13	7	17	23
Rankin Inlet	33	1,205	13	18	14	12	81
Red Deer Regional	5	3,015	6	21	68	5	285
Rouyn-Noranda	26	1,498	23	9	26	23	117
Saint John	28	1,479	25	15	29	3	89
Sept-Îles	8	2,743	17	13	28	3	141
Sioux Lookout	12	2,327	16	16	15	22	117
Smithers	29	1,413	26	15	61	28	126
St. Catharines	19	1,948	16	16	41	19	175
Sudbury	2	3,745	16	15	46	12	283
Terrace	25	1,635	13	18	24	4	89
Thompson	9	2,654	18	15	17	4	127
Timmins	13	2,270	16	11	23	16	124
Val-d'Or	30	1,412	2	14	24	3	107
Victoria Harbour	11	2,420	25	14	27	25	145
Wabush	15	2,024	18	17	24	18	121
Whitecourt	37	1,052	1	11	34	18	85
Williams Lake	42	865	10	10	21	3	56

Table 9-1
Itinerant aircraft movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	29	2,639	4	10	19	5	152
Boundary Bay	17	4,006	25	16	45	6	309
Calgary International	3	20,136	16	17	61	17	785
Calgary/Springbank	27	3,056	12	13	31	5	240
Chicoutimi/St-Honoré	38	1,760	19	10	24	2	131
Edmonton City Centre	19	3,749	4	16	21	4	205
Edmonton International	5	11,998	18	15	42	18	502
Edmonton/Villeneuve	42	1,226	13	10	33	13	232
Fort McMurray	13	5,731	4	14	30	10	276
Fredericton International	26	3,057	9	18	22	3	207
Gander International	37	1,765	23	10	15	19	125
Halifax/Robert L. Stanfield International	11	6,784	4	17	28	3	279
Hamilton	34	2,203	3	22	11	4	124
Kelowna	16	4,088	19	14	21	19	181
Kitchener/Waterloo	25	3,061	13	12	35	16	264
Langley	33	2,228	6	14	45	6	292
London	24	3,079	5	13	22	12	185
Moncton/Greater Moncton International	28	2,936	17	15	17	18	176
Montréal/Pierre Elliott Trudeau International	4	19,071	18	18	68	5	702
Montréal/St-Hubert	12	6,367	24	15	48	24	498
Oshawa	31	2,313	25	12	38	25	197
Ottawa/Macdonald-Cartier International	6	11,039	4	14	44	25	464
Pitt Meadows	39	1,647	6	15	29	7	163
Prince George	35	1,952	5	14	18	5	92
Québec/Jean Lesage International	8	8,313	26	15	44	26	421
Regina International	23	3,334	5	9	17	5	160
Saskatoon/John G. Diefenbaker International	14	5,541	11	15	32	5	256
Sault Ste. Marie	32	2,293	27	14	24	27	145
St. John's International	22	3,378	4	16	13	5	140
St-Jean	36	1,876	7	16	39	8	298
Thunder Bay	15	5,453	20	13	30	12	258
Toronto/Billy Bishop Toronto City	9	6,966	21	14	35	16	314
Toronto/Buttonville Municipal	21	3,683	16	15	37	12	289
Toronto/Lester B. Pearson International	1	36,077	18	18	101	4	1,297
Vancouver Harbour	18	3,956	5	16	29	4	210
Vancouver International	2	24,399	5	17	75	5	939
Victoria International	10	6,956	15	10	35	17	344
Whitehorse International	40	1,348	18	11	11	3	81
Windsor	41	1,282	21	16	12	21	81
Winnipeg/James Armstrong Richardson International	7	10,218	22	15	34	10	394
Winnipeg/St. Andrews	30	2,357	1	11	23	13	140
Yellowknife	20	3,699	31	11	24	31	171

Table 9-2
Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	17	1,449	20	13	35	13	215
Campbell River	26	1,221	3	12	13	3	86
Castlegar	48	623	12	15	9	12	49
Charlottetown	37	921	10	17	7	19	42
Churchill	39	797	30	10	8	30	50
Cranbrook	41	738	1	11	6	12	34
Deer Lake	18	1,413	19	8	11	10	64
Fort Nelson	9	1,925	2	9	25	2	149
Fort St. John	12	1,630	30	10	16	4	90
Grande Prairie	7	2,108	4	15	17	4	120
High Level	42	724	2	8	7	17	45
Îles-de-la-Madeleine	50	421	3	17	5	4	22
Inuvik/Mike Zubko	32	1,101	2	14	13	2	54
Iqaluit	14	1,588	27	9	13	27	77
Kamloops	10	1,789	3	12	16	3	93
Kenora	44	700	30	13	11	16	55
Kingston	19	1,298	13	10	25	13	95
Kuujuuaq	35	969	3	16	9	25	57
La Grande Rivière	45	679	23	12	7	19	41
La Ronge	24	1,244	10	13	11	25	75
Lethbridge	28	1,210	30	16	17	4	77
Lloydminster	46	666	5	17	9	5	43
Medicine Hat	31	1,109	28	11	13	4	57
Mont-Joli	38	905	7	10	9	18	43
Montréal/Mirabel International	21	1,280	12	13	8	25	75
Nanaimo	11	1,735	20	12	32	6	145
Norman Wells	36	924	2	12	10	2	62
North Bay	15	1,506	19	15	13	1	88
Ottawa/Gatineau	20	1,281	26	17	20	26	125
Peace River	47	658	30	20	7	18	38
Penticton	33	1,032	25	14	11	25	59
Port Hardy	43	706	23	15	9	2	42
Prince Albert	13	1,625	26	8	13	10	83
Prince Rupert	51	224	17	13	7	17	23
Rankin Inlet	30	1,165	23	12	14	12	81
Red Deer Regional	23	1,251	5	14	16	5	115
Rouyn-Noranda	22	1,277	2	9	11	2	76
Saint John	29	1,189	4	17	9	3	69
Sept-Îles	2	2,601	9	9	17	9	117
Sioux Lookout	5	2,310	16	16	15	22	117
Smithers	34	980	3	15	10	2	70
St. Catharines	27	1,214	19	17	17	19	99
Sudbury	1	2,649	1	18	20	12	143
Terrace	16	1,499	5	17	14	5	80
Thompson	3	2,594	4	16	16	4	125
Timmins	6	2,208	5	11	16	5	115
Val-d'Or	25	1,234	12	10	10	3	73
Victoria Harbour	4	2,376	5	16	19	25	129
Wabush	8	1,980	18	8	17	18	105
Whitecourt	49	540	9	16	9	18	41
Williams Lake	40	743	3	12	13	3	50

Table 10-1
Local movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	3	6,246	3	11	104	16	540
Boundary Bay	2	6,822	17	16	84	17	564
Calgary International	38	100	2	21	4	29	14
Calgary/Springbank	6	5,086	12	9	70	18	400
Chicoutimi/St-Honoré	4	5,702	3	11	126	2	588
Edmonton City Centre	32	546	3	13	28	5	52
Edmonton International	36	258	18	13	14	26	42
Edmonton/Villeneuve	18	2,544	15	11	48	15	266
Fort McMurray	34	446	13	17	20	24	58
Fredericton International	13	2,950	4	10	38	17	242
Gander International	27	934	19	18	42	19	144
Halifax/Robert L. Stanfield International	35	348	18	16	20	18	48
Hamilton	31	618	19	16	26	25	52
Kelowna	12	3,744	22	13	52	29	244
Kitchener/Waterloo	7	4,658	22	20	70	16	538
Langley	20	2,062	25	17	46	25	186
London	19	2,400	13	10	44	22	226
Moncton/Greater Moncton International	22	1,950	22	8	38	24	228
Montréal/Pierre Elliott Trudeau International	39	94	25	11	18	25	44
Montréal/St-Hubert	1	7,546	2	15	80	2	698
Oshawa	23	1,654	16	14	46	16	170
Ottawa/Macdonald-Cartier International	10	4,277	23	11	68	23	346
Pitt Meadows	16	2,810	24	11	78	6	264
Prince George	30	702	25	11	34	26	86
Québec/Jean Lesage International	14	2,936	22	19	48	24	288
Regina International	25	1,014	1	20	34	5	118
Saskatoon/John G. Diefenbaker International	15	2,892	15	19	42	18	188
Sault Ste. Marie	17	2,760	12	21	98	17	316
St. John's International	40	88	29	12	8	29	14
St-Jean	24	1,372	26	16	36	26	114
Thunder Bay	5	5,284	30	20	82	15	382
Toronto/Billy Bishop Toronto City	21	2,048	16	13	44	16	218
Toronto/Buttonville Municipal	9	4,524	16	20	76	16	414
Toronto/Lester B. Pearson International	37	116	28	10	10	25	18
Vancouver Harbour	42	6	3	17	2	29	4
Vancouver International	41	52	18	10	14	18	20
Victoria International	11	4,242	25	11	64	25	364
Whitehorse International	33	544	5	10	28	5	50
Windsor	28	896	1	10	24	6	70
Winnipeg/James Armstrong Richardson International	26	1,008	11	13	18	30	90
Winnipeg/St. Andrews	8	4,554	13	10	62	10	348
Yellowknife	29	774	20	16	30	18	108

Table 10-2
Local movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	700	19	14	32	24	102
Campbell River	13	546	3	14	48	3	98
Castlegar	24	164	13	13	26	13	92
Charlottetown	30	130	19	10	14	19	36
Churchill	0	0	0	0	0	0	0
Cranbrook	38	50	17	13	16	17	22
Deer Lake	34	66	19	15	36	19	36
Fort Nelson	33	82	7	12	12	6	26
Fort St. John	20	250	2	12	24	4	44
Grande Prairie	9	766	6	9	40	6	142
High Level	25	162	23	13	20	23	76
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	38	31	19	18	31	18
Iqaluit	26	153	20	10	18	20	22
Kamloops	5	1,284	3	16	54	3	114
Kenora	16	440	13	17	34	30	78
Kingston	12	684	13	10	56	13	142
Kuuujuaq	35	64	24	14	10	16	16
La Grande Rivière	48	4	10	15	2	10	2
La Ronge	28	141	11	17	12	12	40
Lethbridge	15	488	15	19	32	6	62
Lloydminster	32	120	12	10	18	12	30
Medicine Hat	19	289	21	16	24	12	42
Mont-Joli	43	34	8	15	8	8	8
Montréal/Mirabel International	4	1,369	13	16	30	17	98
Nanaimo	6	1,128	25	15	62	8	156
Norman Wells	22	197	29	10	12	29	64
North Bay	1	2,512	25	9	64	24	290
Ottawa/Gatineau	2	2,166	10	10	46	25	150
Peace River	46	20	30	19	8	30	12
Penticton	8	978	7	11	30	17	100
Port Hardy	44	34	24	10	6	24	8
Prince Albert	45	22	16	17	10	16	12
Prince Rupert	49	2	29	12	2	29	2
Rankin Inlet	41	40	13	18	12	13	24
Red Deer Regional	3	1,764	6	21	64	14	206
Rouyn-Noranda	21	221	23	19	24	8	56
Saint John	18	290	25	15	22	18	38
Sept-Îles	27	142	17	13	20	17	32
Sioux Lookout	47	17	12	19	8	12	10
Smithers	17	433	26	15	58	28	108
St. Catharines	10	734	16	16	30	16	92
Sudbury	7	1,096	16	15	34	12	140
Terrace	29	136	13	18	24	13	32
Thompson	37	60	3	21	8	3	14
Timmins	36	62	16	15	16	16	28
Val-d'Or	23	178	2	14	22	23	38
Victoria Harbour	39	44	25	14	16	25	16
Wabush	40	44	14	11	18	14	24
Whitecourt	14	512	1	11	30	24	50
Williams Lake	31	122	10	10	16	6	20

Table 11-1
Local movements - civil, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	3	6,240	3	11	104	16	540
Boundary Bay	2	6,822	17	16	84	17	564
Calgary International	38	100	2	21	4	29	14
Calgary/Springbank	6	5,086	12	9	70	18	400
Chicoutimi/St-Honoré	4	5,692	3	11	126	2	588
Edmonton City Centre	32	546	3	13	28	5	52
Edmonton International	36	250	18	13	14	26	38
Edmonton/Villeneuve	18	2,544	15	11	48	15	266
Fort McMurray	34	446	13	17	20	24	58
Fredericton International	13	2,946	4	10	38	17	242
Gander International	26	934	19	18	42	19	144
Halifax/Robert L. Stanfield International	35	348	18	16	20	18	48
Hamilton	31	618	19	16	26	25	52
Kelowna	12	3,740	22	13	52	29	244
Kitchener/Waterloo	7	4,658	22	20	70	16	538
Langley	20	2,062	25	17	46	25	186
London	19	2,392	13	10	44	22	226
Moncton/Greater Moncton International	22	1,948	22	8	38	24	228
Montréal/Pierre Elliott Trudeau International	39	90	25	11	18	25	44
Montréal/St-Hubert	1	7,546	2	15	80	2	698
Oshawa	23	1,650	16	14	46	16	170
Ottawa/Macdonald-Cartier International	10	4,273	23	11	68	23	346
Pitt Meadows	16	2,810	24	11	78	6	264
Prince George	30	700	25	11	34	26	86
Québec/Jean Lesage International	14	2,934	22	19	48	24	288
Regina International	28	784	12	19	30	5	108
Saskatoon/John G. Diefenbaker International	15	2,822	15	19	42	18	184
Sault Ste. Marie	17	2,760	12	21	98	17	316
St. John's International	40	88	29	12	8	29	14
St-Jean	24	1,372	26	16	36	26	114
Thunder Bay	5	5,276	30	20	82	15	380
Toronto/Billy Bishop Toronto City	21	2,048	16	13	44	16	218
Toronto/Buttonville Municipal	9	4,524	16	20	76	16	414
Toronto/Lester B. Pearson International	37	116	28	10	10	25	18
Vancouver Harbour	42	6	3	17	2	29	4
Vancouver International	41	52	18	10	14	18	20
Victoria International	11	4,234	25	11	64	25	364
Whitehorse International	33	544	5	10	28	5	50
Windsor	27	874	1	10	24	6	64
Winnipeg/James Armstrong Richardson International	25	1,006	11	13	18	30	90
Winnipeg/St. Andrews	8	4,554	13	10	62	10	348
Yellowknife	29	774	20	16	30	18	108

Table 11-2
Local movements - civil, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	698	19	14	32	24	102
Campbell River	13	540	3	14	48	3	98
Castlegar	24	164	13	13	26	13	92
Charlottetown	30	126	19	10	14	19	36
Churchill	0	0	0	0	0	0	0
Cranbrook	38	50	17	13	16	17	22
Deer Lake	34	66	19	15	36	19	36
Fort Nelson	33	82	7	12	12	6	26
Fort St. John	20	250	2	12	24	4	44
Grande Prairie	9	766	6	9	40	6	142
High Level	25	162	23	13	20	23	76
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	38	31	19	18	31	18
Iqaluit	26	153	20	10	18	20	22
Kamloops	5	1,284	3	16	54	3	114
Kenora	16	440	13	17	34	30	78
Kingston	12	680	13	10	56	13	142
Kuujuuaq	35	64	24	14	10	16	16
La Grande Rivière	48	4	10	15	2	10	2
La Ronge	28	141	11	17	12	12	40
Lethbridge	15	458	15	19	20	6	62
Lloydminster	32	120	12	10	18	12	30
Medicine Hat	19	289	21	16	24	12	42
Mont-Joli	43	34	8	15	8	8	8
Montréal/Mirabel International	4	1,337	13	16	30	26	98
Nanaimo	6	1,124	25	15	62	8	156
Norman Wells	22	197	29	10	12	29	64
North Bay	1	2,506	25	9	64	24	290
Ottawa/Gatineau	2	2,166	10	10	46	25	150
Peace River	46	20	30	19	8	30	12
Penticton	8	974	7	11	30	17	100
Port Hardy	44	34	24	10	6	24	8
Prince Albert	45	22	16	17	10	16	12
Prince Rupert	49	2	29	12	2	29	2
Rankin Inlet	41	40	13	18	12	13	24
Red Deer Regional	3	1,736	6	21	64	14	206
Rouyn-Noranda	21	221	23	19	24	8	56
Saint John	18	290	25	15	22	18	38
Sept-Îles	27	142	17	13	20	17	32
Sioux Lookout	47	17	12	19	8	12	10
Smithers	17	433	26	15	58	28	108
St. Catharines	10	734	16	16	30	16	92
Sudbury	7	1,084	16	15	34	12	140
Terrace	29	136	13	18	24	13	32
Thompson	37	60	3	21	8	3	14
Timmins	36	62	16	15	16	16	28
Val-d'Or	23	178	2	14	22	23	38
Victoria Harbour	40	44	25	14	16	25	16
Wabush	39	44	14	11	18	14	24
Whitecourt	14	512	1	11	30	24	50
Williams Lake	31	122	10	10	16	6	20

Table 12-1
Local movements - military, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	9	6	28	13	4	28	4
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	4	10	12	15	10	12	10
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	5	8	11	12	2	26	4
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	10	4	4	9	2	4	2
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	0	0	0	0	0	0	0
Hamilton	0	0	0	0	0	0	0
Kelowna	13	4	19	16	2	19	4
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	6	8	1	14	6	1	6
Moncton/Greater Moncton International	15	2	9	18	2	9	2
Montréal/Pierre Elliott Trudeau International	12	4	4	11	2	4	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	14	4	19	17	2	19	2
Ottawa/Macdonald-Cartier International	11	4	11	14	2	11	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	17	2	5	14	2	5	2
Québec/Jean Lesage International	16	2	4	10	2	4	2
Regina International	1	230	1	20	16	3	40
Saskatoon/John G. Diefenbaker International	2	70	9	21	18	9	24
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	8	8	12	17	4	12	4
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	7	8	3	0	4	3	4
Whitehorse International	0	0	0	0	0	0	0
Windsor	3	22	13	11	8	13	8
Winnipeg/James Armstrong Richardson International	18	2	9	12	2	9	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

Table 12-2
Local movements - military, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	2	4	11	2	4	2
Campbell River	6	6	1	12	2	1	2
Castlegar	0	0	0	0	0	0	0
Charlottetown	7	4	9	17	2	9	2
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	9	4	23	10	4	23	4
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	2	30	15	19	12	15	22
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	32	17	11	10	17	10
Nanaimo	8	4	1	11	2	1	2
Norman Wells	0	0	0	0	0	0	0
North Bay	5	6	18	11	4	18	4
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	10	4	1	11	2	1	2
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	28	22	20	16	22	28
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	4	12	18	12	10	18	10
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

The survey covers all aircraft movements at Canadian airports with NAV CANADA air traffic control towers and flight service stations.

Methodology survey

The Itinerant movement record is designed to capture:

- Aircraft identification
- Aircraft type
- The last station before landing at the reporting airport or the next station after take-off
- Arrival or departure
- Time of movement
- Runway used
- Flight rules (Instrument flight rules or Visual flight rules).

The Local aircraft movement record provides for reports of local movements by:

- Hour
- Single engine aircraft
- Multi-engine aircraft
- Jet aircraft
- Military aircraft
- Date of movement

Processing of aircraft movement statistics involves several stages. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: Annual report (TP-577). In particular, data on itinerant movements by type of operation may reflect revisions as various sources of comparative information (data collected from commercial air carriers by the Aviation Statistics Centre, Statistics Canada) become available during the processing cycle. Finally, when revisions are required after the release of 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. These revisions are also reflected in the CANSIM tables, both monthly and annual.

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Coordinated Universal Time (UTC); however, published statistics are shown in local times. The records are transmitted to the Aviation Statistics Centre.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. The storage of this information reduces the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, maximum 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 flights (commercial, private and government) and the geographical area in which the flights take place.

The parameter files also include airport environment information against which the airport category is checked; the reported runway is validated and the time difference between UTC and Local is assigned.

Data quality and limitations

Aircraft movement statistics are accumulated from data originating with air traffic control tower units or flight service station personnel. Because staff in these positions are highly trained in factual observation and reporting, the entries in the data bank are of a high quality.

The procedures for reporting aircraft movements on the Daily air traffic records by tower units are described in the NAV CANADA Air traffic control manual of operations (TP 703) Volume 1, Para. 1023 to 1023.5. Definitions for terms used in these paragraphs can be found in the appendix II "Glossary of terms" of this report.

To maintain uniformity in the reporting of source data, ASC issues to air traffic control units an "Air traffic designators" handbook (TP 143) listing 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 references to help ensure the reporting of the proper aircraft identity and the point of origin and destination of flights.

The processing system contains editing procedures designed to identify data errors occurring during transcription or during data capture of forms. Identified errors are manually corrected by Aviation Statistics Centre editing staff.

Errors may occur if an aircraft type code which exists is reported or data captured in error for a flight. For example, the reporting or keying of B727 for a flight actually performed by a B737 may not be detected during the system editing. That the aircraft type information is recorded by highly trained air traffic control tower staff using a common handbook of official aircraft codes will minimize this problem.

Similarly, the breakdown of the data on a geographic basis by use of location codes can be subject to error. For smaller locations, alphanumeric location codes are often used and the sequence of numbers and letters determines the geographic area to which the data are assigned. In some cases, where a sequence error has been introduced into the system either at the reporting unit or at data capture, a domestic movement may be classified as transborder or vice versa. The use of common manuals of location identifiers works to minimize this occurrence.

Appendix I

Factors influencing the data

Hurricane Sandy struck the northeastern United States and eastern Canada in October 2012 forcing numerous flight cancellations.

In June 2012, Porter Airlines commenced summer service to Mont Tremblant, with four weekly flights between Toronto/Billy Bishop Toronto City Airport and Mont Tremblant International Airport.

Starting in May 2012, WestJet launched a new non-stop seasonal service between Toronto/Lester B. Pearson International and Aruba, Netherlands Antilles. The airline also introduced daily non-stop flights to Chicago from both Calgary International and Vancouver International as well as from Vancouver International to Whitehorse International.

Beginning in April 2012, Porter Airlines increased weekday roundtrip flights from six to seven between Toronto/Billy Bishop Toronto City Airport and Boston's Logan International Airport.

In April 2012, Air Canada cancelled approximately 75 flights at Toronto/Lester B. Pearson International Airport due to a one day work action by the airline's pilots.

In March 2012, Air Canada experienced some delays and cancellations of flights departing Toronto/Lester B. Pearson International and Montreal/Pierre Elliot Trudeau International. This was due to a one day work action by Air Canada ground handling employees.

In January 2012, Porter Airlines started service from Toronto/Billy Bishop Toronto City Airport to Timmins, Ontario.

Beginning in December 2011, Porter Airlines added a new seasonal service from Toronto/Billy Bishop Toronto City Airport to Burlington, Vermont.

Starting in November 2011, WestJet launched its new twice-weekly seasonal service from Toronto to San Juan, Puerto Rico, two new flights flying out of London to Las Vegas and Cancun, Mexico. It has also increased service between Edmonton and Calgary from five to seven flights daily, and increased service between Vancouver and Toronto for the winter from five to six flights daily.

Starting in October 2011, Porter Airlines increased weekday roundtrip flights between Toronto/Billy Bishop Toronto City and Boston/Logan International Airport.

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.