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



July 2011



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Statistics Canada
Transportation Division

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

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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

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.0% in July 2011 from July 2010. These airports reported 563,283 movements compared with 592,997 movements in July 2010.
- There were 406,171 itinerant movements (flights from one airport to another) reported in July 2011. This represents a 1.2% decrease (-4,959 movements) compared with the same month a year earlier.
- In July 2011, there were 157,112 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 13.6% (-24,755 movements) compared with the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	percent	number	percent	number	percent
Grand total	444,698	-5.9	118,585	-1.5	563,283	-5.0
Itinerant movements						
Air carriers	236,673	-0.9	64,409	1.4	301,082	-0.4
Other commercial movements	30,358	-9.4	5,393	27.4	35,751	-5.2
Private movements	40,000	-0.3	15,436	-1.4	55,436	-0.6
Government civil movements	4,617	-10.9	2,627	-21.1	7,244	-14.9
Government military movements	5,637	1.7	1,021	-8.5	6,658	0.0
Itinerant total	317,285	-1.8	88,886	1.1	406,171	-1.2
Local movements						
Civil local movements	127,045	-15.0	29,311	-9.2	156,356	-13.9
Military local movements	368	6,033.3	388	104.2	756	285.7
Local total	127,413	-14.7	29,699	-8.6	157,112	-13.6

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.0% in July 2011 from July 2010. These airports reported 563,283 movements compared with 592,997 movements in July 2010. Year-over-year decreases were reported by 48 airports. Toronto/Lester B. Pearson International, Ontario (38,978 movements) followed by Vancouver International, British Columbia (29,067 movements) were the most active sites in July 2011.

There were 406,171 itinerant movements (flights from one airport to another) reported in July 2011. This represents a 1.2% decrease (-4,959 movements) compared with the same month a year earlier. The year-over-year variations ranged from an increase of 2,549 movements (+74.5%) at Oshawa, Ontario to a drop of 2,196 movements (-23.6%) at Boundary Bay, British Columbia. Fifty-one airports reported year-over-year decreases in the number of itinerant aircraft movements in July 2011.

In July 2011, there were 157,112 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 13.6% (-24,755 movements) compared with the previous year. Toronto/Butterville Municipal, Ontario (11,344 movements) followed by Boundary Bay, British Columbia (10,534 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 349,040 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2011, down 0.9% (-3,119 movements) from July 2010. Vancouver International, British Columbia (21,964 movements) followed by Toronto/Lester B. Pearson International, Ontario (17,960 movements) reported the greatest number of domestic itinerant movements.

Eighty-five airports reported 45,634 transborder itinerant movements (between Canada and the United States) in July 2011. Toronto/Lester B. Pearson International, Ontario (15,486 movements) reported the greatest number of transborder itinerant movements. This represents 33.9% of the total transborder itinerant movements.

In July 2011, thirty-four airports reported 11,497 other international itinerant movements. Toronto/Lester B. Pearson International, Ontario, recorded 5,384 other international itinerant movements. This represents 46.8% 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
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
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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
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers

401-0038 Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715 Aircraft Movement Statistics

Selected summary tables from Statistics Canada

- *Aircraft movements by class of operation (monthly)*

Statistical tables

Table 1-1
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	22	8,651	33	3,223	7	5,428
Boundary Bay	7	17,650	15	7,116	2	10,534
Calgary International	3	21,116	3	20,998	40	118
Calgary/Springbank	10	13,812	19	5,666	4	8,146
Chicoutimi/St-Honoré	31	5,258	41	2,046	17	3,212
Edmonton City Centre	33	5,189	26	4,775	35	414
Edmonton International	15	11,584	7	11,168	34	416
Edmonton/Villeneuve	35	4,974	42	1,008	13	3,966
Fort McMurray	27	6,502	16	5,980	33	522
Fredericton International	29	6,012	32	3,228	19	2,784
Gander International	39	3,954	36	2,708	27	1,246
Halifax/Robert L. Stanfield International	23	8,018	13	7,740	36	278
Hamilton	41	3,431	37	2,651	30	780
Kelowna	26	7,060	25	4,830	20	2,230
Kitchener/Waterloo	17	10,195	24	4,877	8	5,318
Langley	28	6,134	34	2,944	18	3,190
London	18	9,904	23	5,258	10	4,646
Moncton/Greater Moncton International	20	9,399	22	5,333	11	4,066
Montréal/Pierre Elliott Trudeau International	4	21,041	4	20,845	37	196
Montréal/St-Hubert	6	18,142	9	8,844	3	9,298
Oshawa	19	9,525	17	5,971	15	3,554
Ottawa/Macdonald-Cartier International	8	15,247	5	11,741	16	3,506
Pitt Meadows	13	12,393	27	4,493	5	7,900
Prince George	42	2,748	40	2,122	31	626
Québec/Jean Lesage International	14	12,343	10	8,723	14	3,620
Regina International	32	5,255	30	3,835	26	1,420
Saskatoon/John G. Diefenbaker International	25	7,654	21	5,508	23	2,146
Sault Ste. Marie	36	4,515	38	2,563	24	1,952
St. John's International	38	3,982	31	3,788	38	194
St-Jean	21	9,104	14	7,516	25	1,588
Thunder Bay	24	7,793	20	5,619	22	2,174
Toronto/Billy Bishop Toronto City	12	12,417	11	8,365	12	4,052
Toronto/Buttonville Municipal	5	19,186	12	7,842	1	11,344
Toronto/Lester B. Pearson International	1	38,978	1	38,830	39	148
Vancouver Harbour	30	5,901	18	5,891	42	10
Vancouver International	2	29,067	2	29,025	41	42
Victoria International	9	14,353	8	9,499	9	4,854
Whitehorse International	40	3,459	35	2,873	32	586
Windsor	37	4,502	39	2,319	21	2,183
Winnipeg/James Armstrong Richardson International	11	12,465	6	11,279	28	1,186
Winnipeg/St. Andrews	16	10,707	29	4,061	6	6,646
Yellowknife	34	5,078	28	4,184	29	894
Total of NAV CANADA towers (42)	.	444,698	.	317,285	.	127,413

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	22	2,174	40	1,150	10	1,024
Campbell River	16	2,831	16	2,074	14	757
Castlegar	46	857	49	645	28	212
Charlottetown	38	1,645	34	1,415	26	230
Churchill	45	915	43	911	49	4
Cranbrook	36	1,720	39	1,185	18	535
Deer Lake	35	1,724	28	1,608	33	116
Fort Nelson	18	2,673	10	2,441	25	232
Fort St. John	19	2,527	21	2,011	19	516
Grande Prairie	9	3,510	8	2,580	13	930
High Level	37	1,662	30	1,512	32	150
Îles-de-la-Madeleine	50	520	50	518	50	2
Inuvik/Mike Zubko	34	1,767	25	1,735	43	32
Iqaluit	20	2,347	13	2,303	40	44
Kamloops	11	3,241	20	2,011	9	1,230
Kenora	31	1,878	26	1,690	30	188
Kingston	13	3,112	22	1,858	8	1,254
Kuujuuaq	39	1,598	32	1,494	34	104
La Grande Rivière	44	934	42	914	45	20
La Ronge	24	2,092	23	1,822	23	270
Lethbridge	5	3,751	12	2,303	6	1,448
Lloydminster	42	1,221	45	791	21	430
Medicine Hat	3	4,129	15	2,075	3	2,054
Mont-Joli	49	678	48	660	46	18
Montréal/Mirabel International	6	3,712	17	2,072	4	1,640
Nanaimo	4	3,771	6	2,807	12	964
Norman Wells	41	1,233	38	1,193	41	40
North Bay	14	3,002	27	1,682	7	1,320
Ottawa/Gatineau	2	5,350	9	2,510	2	2,840
Peace River	48	802	47	756	39	46
Penticton	28	1,991	36	1,407	16	584
Port Hardy	40	1,459	35	1,411	38	48
Prince Albert	30	1,906	24	1,750	31	156
Prince Rupert	51	399	51	389	48	10
Rankin Inlet	23	2,172	14	2,172	0	0
Red Deer Regional	1	7,825	3	3,131	1	4,694
Rouyn-Noranda	27	2,033	37	1,327	15	706
Saint John	26	2,037	33	1,469	17	568
Sept-Îles	15	3,000	5	2,810	29	190
Sioux Lookout	17	2,753	7	2,703	37	50
Smithers	47	856	46	762	36	94
St. Catharines	7	3,624	18	2,050	5	1,574
Sudbury	8	3,616	2	3,173	20	443
Terrace	33	1,816	29	1,556	24	260
Thompson	12	3,113	4	3,019	35	94
Timmins	21	2,340	11	2,308	42	32
Val-d'Or	32	1,821	31	1,503	22	318
Victoria Harbour	10	3,306	1	3,292	47	14
Wabush	25	2,064	19	2,044	44	20
Whitecourt	29	1,964	41	986	11	978
Williams Lake	43	1,114	44	898	27	216
Total of all flight service stations (51)	.	118,585	.	88,886	.	29,699

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			Local	Local	
	number							
Abbotsford	8,591	2,146	1,055	5,390	60	22	38	
Boundary Bay	17,617	5,509	1,574	10,534	33	33	0	
Calgary International	20,901	19,184	1,603	114	215	211	4	
Calgary/Springbank	13,802	3,466	2,190	8,146	10	10	0	
Chicoutimi/St-Honoré	5,258	1,807	239	3,212	0	0	0	
Edmonton City Centre	5,170	3,119	1,639	412	19	17	2	
Edmonton International	11,545	10,419	722	404	39	27	12	
Edmonton/Villeneuve	4,972	569	437	3,966	2	2	0	
Fort McMurray	6,502	5,277	703	522	0	0	0	
Fredericton International	5,988	2,728	478	2,782	24	22	2	
Gander International	3,702	2,023	433	1,246	252	252	0	
Halifax/Robert L. Stanfield International	7,937	7,260	409	268	81	71	10	
Hamilton	3,425	1,975	674	776	6	2	4	
Kelowna	6,999	3,888	887	2,224	61	55	6	
Kitchener/Waterloo	10,185	3,502	1,371	5,312	10	4	6	
Langley	6,120	1,661	1,269	3,190	14	14	0	
London	9,889	4,278	967	4,644	15	13	2	
Moncton/Greater Moncton International	9,391	4,876	453	4,062	8	4	4	
Montréal/Pierre Elliott Trudeau International	21,018	19,435	1,387	196	23	23	0	
Montréal/St-Hubert	18,047	7,277	1,476	9,294	95	91	4	
Oshawa	9,523	4,616	1,353	3,554	2	2	0	
Ottawa/Macdonald-Cartier International	15,086	10,881	715	3,490	161	145	16	
Pitt Meadows	12,391	2,764	1,727	7,900	2	2	0	
Prince George	2,744	1,640	478	626	4	4	0	
Québec/Jean Lesage International	12,239	6,869	1,758	3,612	104	96	8	
Regina International	5,051	3,007	780	1,264	204	48	156	
Saskatoon/John G. Diefenbaker International	7,567	4,424	1,025	2,118	87	59	28	
Sault Ste. Marie	4,494	2,225	319	1,950	21	19	2	
St. John's International	3,839	3,270	375	194	143	143	0	
St-Jean	5,587	325	3,674	1,588	3,517	3,517	0	
Thunder Bay	7,676	4,982	546	2,148	117	91	26	
Toronto/Billy Bishop Toronto City	12,411	7,527	834	4,050	6	4	2	
Toronto/Buttonville Municipal	19,184	4,000	3,840	11,344	2	2	0	
Toronto/Lester B. Pearson International	38,972	37,727	1,097	148	6	6	0	
Vancouver Harbour	5,896	5,785	101	10	5	5	0	
Vancouver International	29,017	27,498	1,477	42	50	50	0	
Victoria International	14,193	7,421	1,928	4,844	160	150	10	
Whitehorse International	3,434	2,255	601	578	25	17	8	
Windsor	4,480	1,887	410	2,183	22	22	0	
Winnipeg/James Armstrong Richardson International	12,126	10,139	819	1,168	339	321	18	
Winnipeg/St. Andrews	10,705	3,567	492	6,646	2	2	0	
Yellowknife	5,019	3,823	302	894	59	59	0	
Total of NAV CANADA towers (42)	438,693	267,031	44,617	127,045	6,005	5,637	368	

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	1,977	644	375	958	197	131	66	
Campbell River	2,819	1,258	804	757	12	12	0	
Castlegar	851	519	122	210	6	4	2	
Charlottetown	1,619	1,055	340	224	26	20	6	
Churchill	914	859	51	4	1	1	0	
Cranbrook	1,564	710	439	415	156	36	120	
Deer Lake	1,714	1,493	105	116	10	10	0	
Fort Nelson	2,621	2,189	200	232	52	52	0	
Fort St. John	2,508	1,674	318	516	19	19	0	
Grande Prairie	3,508	2,137	441	930	2	2	0	
High Level	1,656	1,429	77	150	6	6	0	
Îles-de-la-Madeleine	518	434	82	2	2	2	0	
Inuvik/Mike Zubko	1,759	1,650	77	32	8	8	0	
Iqaluit	2,329	2,059	226	44	18	18	0	
Kamloops	3,225	1,501	494	1,230	16	16	0	
Kenora	1,831	1,287	358	186	47	45	2	
Kingston	3,087	1,256	579	1,252	25	23	2	
Kuujuuaq	1,596	1,329	163	104	2	2	0	
La Grande Rivière	930	831	81	18	4	2	2	
La Ronge	2,086	1,189	627	270	6	6	0	
Lethbridge	3,519	1,312	863	1,344	232	128	104	
Lloydminster	1,203	465	308	430	18	18	0	
Medicine Hat	4,053	1,655	380	2,018	76	40	36	
Mont-Joli	672	543	111	18	6	6	0	
Montréal/Mirabel International	3,681	1,502	545	1,634	31	25	6	
Nanaimo	3,769	1,613	1,192	964	2	2	0	
Norman Wells	1,233	1,116	77	40	0	0	0	
North Bay	2,857	1,008	551	1,298	145	123	22	
Ottawa/Gatineau	5,343	1,467	1,036	2,840	7	7	0	
Peace River	802	683	73	46	0	0	0	
Penticton	1,932	745	603	584	59	59	0	
Port Hardy	1,400	1,153	215	32	59	43	16	
Prince Albert	1,898	1,420	322	156	8	8	0	
Prince Rupert	399	305	84	10	0	0	0	
Rankin Inlet	2,172	2,134	38	0	0	0	0	
Red Deer Regional	7,755	2,297	764	4,694	70	70	0	
Rouyn-Noranda	2,033	1,029	298	706	0	0	0	
Saint John	2,016	978	474	564	21	17	4	
Sept-Îles	2,990	2,344	456	190	10	10	0	
Sioux Lookout	2,747	2,495	202	50	6	6	0	
Smithers	852	657	101	94	4	4	0	
St. Catharines	3,622	1,383	665	1,574	2	2	0	
Sudbury	3,599	2,425	731	443	17	17	0	
Terrace	1,816	1,482	74	260	0	0	0	
Thompson	3,113	2,755	264	94	0	0	0	
Timmins	2,334	1,794	508	32	6	6	0	
Val-d'Or	1,819	1,131	370	318	2	2	0	
Victoria Harbour	3,299	3,151	134	14	7	7	0	
Wabush	2,062	1,737	305	20	2	2	0	
Whitecourt	1,962	891	93	978	2	2	0	
Williams Lake	1,112	629	267	216	2	2	0	
Total of all flight service stations (51)	117,176	69,802	18,063	29,311	1,409	1,021	388	

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	3,223	445	1,597	104	982	73	22
Boundary Bay	7,116	13	1,247	4,249	1,556	18	33
Calgary International	20,998	17,809	933	442	1,496	107	211
Calgary/Springbank	5,666	52	519	2,895	2,160	30	10
Chicoutimi/St-Honoré	2,046	1,441	76	290	235	4	0
Edmonton City Centre	4,775	1,187	688	1,244	1,096	543	17
Edmonton International	11,168	10,145	252	22	714	8	27
Edmonton/Villeneuve	1,008	9	45	515	435	2	2
Fort McMurray	5,980	1,713	3,403	161	665	38	0
Fredericton International	3,228	943	1,780	5	289	189	22
Gander International	2,708	688	1,317	18	317	116	252
Halifax/Robert L. Stanfield International	7,740	6,879	365	16	363	46	71
Hamilton	2,651	1,811	148	16	351	323	2
Kelowna	4,830	3,151	450	287	821	66	55
Kitchener/Waterloo	4,877	418	3,021	63	1,360	11	4
Langley	2,944	12	196	1,453	1,261	8	14
London	5,258	1,228	809	2,241	909	58	13
Moncton/Greater Moncton International	5,333	1,831	3,033	12	291	162	4
Montréal/Pierre Elliott Trudeau International	20,845	18,351	1,017	67	1,200	187	23
Montréal/St-Hubert	8,844	3,977	1,002	2,298	1,394	82	91
Oshawa	5,971	47	64	4,505	1,236	117	2
Ottawa/Macdonald-Cartier International	11,741	8,055	350	2,476	418	297	145
Pitt Meadows	4,493	12	2,115	637	1,679	48	2
Prince George	2,122	1,213	420	7	434	44	4
Québec/Jean Lesage International	8,723	4,019	2,503	347	1,460	298	96
Regina International	3,835	2,068	873	66	670	110	48
Saskatoon/John G. Diefenbaker International	5,508	3,290	739	395	758	267	59
Sault Ste. Marie	2,563	1,079	172	974	268	51	19
St. John's International	3,788	2,626	628	16	193	182	143
St-Jean	7,516	2	191	132	3,668	6	3,517
Thunder Bay	5,619	3,148	743	1,091	425	121	91
Toronto/Billy Bishop Toronto City	8,365	4,704	1,401	1,422	822	12	4
Toronto/Buttonville Municipal	7,842	170	3,755	75	3,737	103	2
Toronto/Lester B. Pearson International	38,830	37,082	618	27	1,066	31	6
Vancouver Harbour	5,891	4,672	1,110	3	99	2	5
Vancouver International	29,025	24,939	2,211	348	1,177	300	50
Victoria International	9,499	3,440	3,404	577	1,909	19	150
Whitehorse International	2,873	1,356	874	25	561	40	17
Windsor	2,319	671	1,202	14	382	28	22
Winnipeg/James Armstrong Richardson International	11,279	9,535	515	89	495	324	321
Winnipeg/St. Andrews	4,061	668	2,213	686	487	5	2
Yellowknife	4,184	3,253	522	48	161	141	59
Total of NAV CANADA towers (42)	317,285	188,152	48,521	30,358	40,000	4,617	5,637

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	1,150	167	410	67	353	22	131
Campbell River	2,074	726	261	271	774	30	12
Castlegar	645	284	169	66	114	8	4
Charlottetown	1,415	990	61	4	317	23	20
Churchill	911	806	39	14	37	14	1
Cranbrook	1,185	580	101	29	423	16	36
Deer Lake	1,608	1,140	333	20	31	74	10
Fort Nelson	2,441	453	1,722	14	200	0	52
Fort St. John	2,011	771	885	18	306	12	19
Grande Prairie	2,580	1,247	814	76	414	27	2
High Level	1,512	329	1,088	12	67	10	6
Îles-de-la-Madeleine	518	374	26	34	38	44	2
Inuvik/Mike Zubko	1,735	1,336	302	12	36	41	8
Iqaluit	2,303	1,654	309	96	109	117	18
Kamloops	2,011	924	349	228	449	45	16
Kenora	1,690	435	748	104	329	29	45
Kingston	1,858	456	396	404	552	27	23
Kuujuuaq	1,494	1,003	267	59	126	37	2
La Grande Rivière	914	580	233	18	75	6	2
La Ronge	1,822	1,106	69	14	288	339	6
Lethbridge	2,303	402	90	820	853	10	128
Lloydminster	791	191	257	17	289	19	18
Medicine Hat	2,075	499	467	689	364	16	40
Mont-Joli	660	437	91	15	95	16	6
Montréal/Mirabel International	2,072	826	592	84	539	6	25
Nanaimo	2,807	507	948	158	1,157	35	2
Norman Wells	1,193	705	396	15	37	40	0
North Bay	1,682	578	334	96	461	90	123
Ottawa/Gatineau	2,510	170	724	573	955	81	7
Peace River	756	379	298	6	59	14	0
Penticton	1,407	298	376	71	591	12	59
Port Hardy	1,411	1,089	56	8	181	34	43
Prince Albert	1,750	1,338	70	12	175	147	8
Prince Rupert	389	303	0	2	71	13	0
Rankin Inlet	2,172	1,260	861	13	13	25	0
Red Deer Regional	3,131	282	1,874	141	736	28	70
Rouyn-Noranda	1,327	538	192	299	278	20	0
Saint John	1,469	789	86	103	468	6	17
Sept-Îles	2,810	1,278	825	241	271	185	10
Sioux Lookout	2,703	1,865	552	78	139	63	6
Smithers	762	514	139	4	89	12	4
St. Catharines	2,050	19	1,300	64	647	18	2
Sudbury	3,173	1,491	855	79	528	203	17
Terrace	1,556	749	729	4	56	18	0
Thompson	3,019	2,213	515	27	50	214	0
Timmins	2,308	1,465	316	13	337	171	6
Val-d'Or	1,503	752	362	17	307	63	2
Victoria Harbour	3,292	3,113	29	9	39	95	7
Wabush	2,044	911	777	49	267	38	2
Whitecourt	986	25	744	122	85	8	2
Williams Lake	898	422	203	4	261	6	2
Total of all flight service stations (51)	88,886	40,769	23,640	5,393	15,436	2,627	1,021

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	3,223	639	19.8	2,584	80.1	2,135
Boundary Bay	7,116	319	4.4	6,797	95.5	966
Calgary International	20,998	19,796	94.2	1,202	5.7	605
Calgary/Springbank	5,666	449	7.9	5,217	92.0	165
Chicoutimi/St-Honoré	2,046	106	5.1	1,940	94.8	251
Edmonton City Centre	4,775	1,913	40.0	2,862	59.9	1,608
Edmonton International	11,168	10,753	96.2	415	3.7	842
Edmonton/Villeneuve	1,008	72	7.1	936	92.8	86
Fort McMurray	5,980	1,963	32.8	4,017	67.1	314
Fredericton International	3,228	1,170	36.2	2,058	63.7	140
Gander International	2,708	1,407	51.9	1,301	48.0	406
Halifax/Robert L. Stanfield International	7,740	7,394	95.5	346	4.4	381
Hamilton	2,651	1,988	74.9	663	25.0	1,104
Kelowna	4,830	2,865	59.3	1,965	40.6	1,392
Kitchener/Waterloo	4,877	727	14.9	4,150	85.0	821
Langley	2,944	6	0.2	2,938	99.7	832
London	5,258	1,521	28.9	3,737	71.0	606
Moncton/Greater Moncton International	5,333	2,066	38.7	3,267	61.2	159
Montréal/Pierre Elliott Trudeau International	20,845	20,026	96.0	819	3.9	1,952
Montréal/St-Hubert	8,844	1,769	20.0	7,075	79.9	1,038
Oshawa	5,971	134	2.2	5,837	97.7	721
Ottawa/Macdonald-Cartier International	11,741	8,707	74.1	3,034	25.8	2,236
Pitt Meadows	4,493	42	0.9	4,451	99.0	2,511
Prince George	2,122	1,298	61.1	824	38.8	440
Québec/Jean Lesage International	8,723	5,146	58.9	3,577	41.0	1,818
Regina International	3,835	2,354	61.3	1,481	38.6	205
Saskatoon/John G. Diefenbaker International	5,508	3,805	69.0	1,703	30.9	302
Sault Ste. Marie	2,563	1,261	49.2	1,302	50.7	198
St. John's International	3,788	3,408	89.9	380	10.0	230
St-Jean	7,516	38	0.5	7,478	99.4	525
Thunder Bay	5,619	3,684	65.5	1,935	34.4	279
Toronto/Billy Bishop Toronto City	8,365	5,105	61.0	3,260	38.9	3,757
Toronto/Buttonville Municipal	7,842	716	9.1	7,126	90.8	2,048
Toronto/Lester B. Pearson International	38,830	38,725	99.7	105	0.2	291
Vancouver Harbour	5,891	27	0.4	5,864	99.5	2,920
Vancouver International	29,025	22,768	78.4	6,257	21.5	10,394
Victoria International	9,499	3,797	39.9	5,702	60.0	5,511
Whitehorse International	2,873	824	28.6	2,049	71.3	839
Windsor	2,319	769	33.1	1,550	66.8	138
Winnipeg/James Armstrong Richardson International	11,279	9,817	87.0	1,462	12.9	545
Winnipeg/St. Andrews	4,061	85	2.0	3,976	97.9	211
Yellowknife	4,184	2,011	48.0	2,173	51.9	1,665
Total of NAV CANADA towers (42)	317,285	191,470	60.3	125,815	39.7	53,587

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	1,150	236	20.5	914	79.4	168
Campbell River	2,074	688	33.1	1,386	66.8	478
Castlegar	645	302	46.8	343	53.1	113
Charlottetown	1,415	1,149	81.2	266	18.7	82
Churchill	911	800	87.8	111	12.1	237
Cranbrook	1,185	657	55.4	528	44.5	240
Deer Lake	1,608	1,380	85.8	228	14.1	72
Fort Nelson	2,441	493	20.1	1,948	79.8	127
Fort St. John	2,011	852	42.3	1,159	57.6	137
Grande Prairie	2,580	1,425	55.2	1,155	44.7	207
High Level	1,512	218	14.4	1,294	85.5	466
Îles-de-la-Madeleine	518	458	88.4	60	11.5	12
Inuvik/Mike Zubko	1,735	355	20.4	1,380	79.5	101
Iqaluit	2,303	1,416	61.4	887	38.5	79
Kamloops	2,011	1,013	50.3	998	49.6	458
Kenora	1,690	659	38.9	1,031	61.0	658
Kingston	1,858	577	31.0	1,281	68.9	191
Kuujuuaq	1,494	494	33.0	1,000	66.9	323
La Grande Rivière	914	646	70.6	268	29.3	153
La Ronge	1,822	698	38.3	1,124	61.6	1,205
Lethbridge	2,303	551	23.9	1,752	76.0	36
Lloydminster	791	230	29.0	561	70.9	19
Medicine Hat	2,075	439	21.1	1,636	78.8	572
Mont-Joli	660	511	77.4	149	22.5	13
Montréal/Mirabel International	2,072	1,008	48.6	1,064	51.3	1,456
Nanaimo	2,807	736	26.2	2,071	73.7	1,442
Norman Wells	1,193	241	20.2	952	79.7	258
North Bay	1,682	744	44.2	938	55.7	810
Ottawa/Gatineau	2,510	134	5.3	2,376	94.6	697
Peace River	756	351	46.4	405	53.5	8
Penticton	1,407	314	22.3	1,093	77.6	234
Port Hardy	1,411	524	37.1	887	62.8	323
Prince Albert	1,750	1,376	78.6	374	21.3	110
Prince Rupert	389	266	68.3	123	31.6	27
Rankin Inlet	2,172	1,120	51.5	1,052	48.4	42
Red Deer Regional	3,131	404	12.9	2,727	87.0	397
Rouyn-Noranda	1,327	697	52.5	630	47.4	116
Saint John	1,469	1,081	73.5	388	26.4	35
Sept-Îles	2,810	1,798	63.9	1,012	36.0	559
Sioux Lookout	2,703	1,886	69.7	817	30.2	1,940
Smithers	762	467	61.2	295	38.7	659
St. Catharines	2,050	118	5.7	1,932	94.2	410
Sudbury	3,173	1,863	58.7	1,310	41.2	322
Terrace	1,556	754	48.4	802	51.5	225
Thompson	3,019	1,756	58.1	1,263	41.8	387
Timmins	2,308	1,641	71.1	667	28.8	175
Val-d'Or	1,503	799	53.1	704	46.8	745
Victoria Harbour	3,292	28	0.8	3,264	99.1	1,112
Wabush	2,044	1,189	58.1	855	41.8	761
Whitecourt	986	35	3.5	951	96.4	180
Williams Lake	898	445	49.5	453	50.4	186
Total of all flight service stations (51)	88,886	38,022	42.8	50,864	57.2	19,763

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	3,223	443	143	2,115	522	0
Boundary Bay	7,116	25	49	6,810	232	0
Calgary International	20,998	14,403	5,273	389	933	0
Calgary/Springbank	5,666	60	182	4,771	653	0
Chicoutimi/St-Honoré	2,046	2	85	1,839	119	1
Edmonton City Centre	4,775	341	1,528	2,053	852	1
Edmonton International	11,168	7,345	3,402	381	40	0
Edmonton/Villeneuve	1,008	28	18	899	63	0
Fort McMurray	5,980	1,114	1,616	1,087	2,163	0
Fredericton International	3,228	460	741	1,842	185	0
Gander International	2,708	672	666	1,142	228	0
Halifax/Robert L. Stanfield International	7,740	4,650	2,547	298	245	0
Hamilton	2,651	1,363	663	483	142	0
Kelowna	4,830	1,259	1,619	1,637	315	0
Kitchener/Waterloo	4,877	183	417	3,993	281	3
Langley	2,944	0	6	2,429	508	1
London	5,258	381	1,129	3,538	210	0
Moncton/Greater Moncton International	5,333	1,184	749	3,318	82	0
Montréal/Pierre Elliott Trudeau International	20,845	13,560	6,388	504	393	0
Montréal/St-Hubert	8,844	136	1,127	7,264	317	0
Oshawa	5,971	27	14	5,793	137	0
Ottawa/Macdonald-Cartier International	11,741	6,001	2,658	2,762	320	0
Pitt Meadows	4,493	4	206	4,093	190	0
Prince George	2,122	428	922	565	207	0
Québec/Jean Lesage International	8,723	1,315	3,729	2,978	698	3
Regina International	3,835	1,730	469	1,503	131	2
Saskatoon/John G. Diefenbaker International	5,508	1,964	1,722	1,734	83	5
Sault Ste. Marie	2,563	28	1,214	1,226	95	0
St. John's International	3,788	1,700	1,715	110	263	0
St-Jean	7,516	0	7	4,134	35	3,340
Thunder Bay	5,619	692	3,073	1,497	357	0
Toronto/Billy Bishop Toronto City	8,365	18	5,093	2,777	477	0
Toronto/Buttonville Municipal	7,842	58	404	6,943	437	0
Toronto/Lester B. Pearson International	38,830	32,125	6,618	67	20	0
Vancouver Harbour	5,891	0	3,162	2,054	675	0
Vancouver International	29,025	13,395	11,008	3,598	1,024	0
Victoria International	9,499	1,490	2,300	5,424	285	0
Whitehorse International	2,873	529	621	1,094	627	2
Windsor	2,319	135	615	1,518	51	0
Winnipeg/James Armstrong Richardson International	11,279	5,400	4,555	1,001	323	0
Winnipeg/St. Andrews	4,061	0	680	3,192	189	0
Yellowknife	4,184	753	2,423	547	461	0
Total of NAV CANADA towers (42)	317,285	115,401	81,556	101,402	15,568	3,358

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,150	22	281	664	183	0
Campbell River	2,074	111	867	671	425	0
Castlegar	645	20	340	196	89	0
Charlottetown	1,415	687	371	310	47	0
Churchill	911	8	809	57	37	0
Cranbrook	1,185	53	581	492	59	0
Deer Lake	1,608	533	837	118	120	0
Fort Nelson	2,441	108	446	314	1,573	0
Fort St. John	2,011	297	555	421	738	0
Grande Prairie	2,580	220	1,171	612	577	0
High Level	1,512	6	429	486	591	0
Îles-de-la-Madeleine	518	26	424	66	2	0
Inuvik/Mike Zubko	1,735	114	919	401	301	0
Iqaluit	2,303	443	1,475	57	328	0
Kamloops	2,011	135	887	690	299	0
Kenora	1,690	116	646	433	495	0
Kingston	1,858	46	490	1,182	140	0
Kuujuuaq	1,494	146	809	325	214	0
La Grande Rivière	914	78	676	138	22	0
La Ronge	1,822	4	1,135	580	103	0
Lethbridge	2,303	170	845	1,227	58	3
Lloydminster	791	9	257	448	77	0
Medicine Hat	2,075	32	540	1,417	85	1
Mont-Joli	660	14	494	118	34	0
Montréal/Mirabel International	2,072	594	334	698	444	2
Nanaimo	2,807	30	556	2,087	134	0
Norman Wells	1,193	205	345	256	386	1
North Bay	1,682	153	694	494	341	0
Ottawa/Gatineau	2,510	4	85	2,169	252	0
Peace River	756	14	343	111	288	0
Penticton	1,407	46	340	657	364	0
Port Hardy	1,411	41	894	341	135	0
Prince Albert	1,750	14	1,373	293	70	0
Prince Rupert	389	39	279	31	40	0
Rankin Inlet	2,172	165	1,132	24	851	0
Red Deer Regional	3,131	90	360	2,612	68	1
Rouyn-Noranda	1,327	70	694	520	43	0
Saint John	1,469	384	652	321	112	0
Sept-Îles	2,810	66	1,626	515	603	0
Sioux Lookout	2,703	11	2,130	501	61	0
Smithers	762	9	543	107	103	0
St. Catharines	2,050	29	46	1,401	574	0
Sudbury	3,173	33	1,887	754	499	0
Terrace	1,556	46	727	50	733	0
Thompson	3,019	10	2,306	426	277	0
Timmins	2,308	16	1,903	209	180	0
Val-d'Or	1,503	72	780	466	185	0
Victoria Harbour	3,292	0	2,443	286	563	0
Wabush	2,044	46	1,123	121	754	0
Whitecourt	986	0	33	112	841	0
Williams Lake	898	20	474	281	123	0
Total of all flight service stations (51)	88,886	5,605	40,386	27,266	15,621	8

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	2,286	346	84	29	21	8	432	17	0	0
Boundary Bay	6,574	500	29	11	2	0	0	0	0	0
Calgary International	788	625	1,453	1,807	991	5,064	8,369	1,021	154	726
Calgary/Springbank	4,986	423	166	57	13	21	0	0	0	0
Chicoutimi/St-Honoré	1,861	98	77	8	2	0	0	0	0	0
Edmonton City Centre	2,409	536	1,389	278	124	39	0	0	0	0
Edmonton International	275	204	471	919	500	2,610	5,443	502	157	87
Edmonton/Villeneuve	908	46	38	16	0	0	0	0	0	0
Fort McMurray	2,713	963	693	362	53	765	431	0	0	0
Fredericton International	1,860	209	184	284	245	418	24	4	0	0
Gander International	1,092	48	55	528	329	316	141	126	15	58
Halifax/Robert L. Stanfield International	157	246	400	1,143	656	1,913	2,451	422	170	182
Hamilton	386	437	180	342	175	49	468	8	467	139
Kelowna	1,773	184	301	582	67	906	994	0	23	0
Kitchener/Waterloo	4,194	112	370	45	61	29	64	2	0	0
Langley	2,869	59	16	0	0	0	0	0	0	0
London	3,511	243	237	194	491	389	191	2	0	0
Moncton/Greater Moncton International	3,225	170	161	451	76	735	276	4	235	0
Montréal/Pierre Elliott Trudeau International	679	164	805	748	2,937	6,599	5,403	1,445	0	2,065
Montréal/St-Hubert	6,855	667	862	368	87	2	1	2	0	0
Oshawa	5,697	224	19	25	6	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,770	215	710	351	511	3,377	3,074	432	40	261
Pitt Meadows	4,094	371	26	2	0	0	0	0	0	0
Prince George	666	156	103	598	23	368	208	0	0	0
Québec/Jean Lesage International	3,279	415	884	541	1,428	1,951	131	5	0	89
Regina International	1,352	247	302	244	32	948	651	2	57	0
Saskatoon/John G. Diefenbaker International	1,530	301	720	619	253	1,085	955	4	41	0
Sault Ste. Marie	1,275	130	523	79	357	199	0	0	0	0
St. John's International	91	11	251	687	719	480	1,136	328	77	8
St-Jean	7,509	0	5	2	0	0	0	0	0	0
Thunder Bay	1,487	306	2,147	267	228	875	261	48	0	0
Toronto/Billy Bishop Toronto City	2,899	277	551	78	4	4,556	0	0	0	0
Toronto/Buttonville Municipal	7,045	473	263	42	8	11	0	0	0	0
Toronto/Lester B. Pearson International	28	173	414	2,142	4,198	7,652	15,035	4,525	284	4,379
Vancouver Harbour	261	4,831	782	12	5	0	0	0	0	0
Vancouver International	1,194	4,813	1,028	2,973	2,002	5,806	6,788	1,976	275	2,170
Victoria International	4,735	1,037	232	511	741	1,386	739	86	32	0
Whitehorse International	1,417	442	271	80	38	367	237	3	2	16
Windsor	1,499	81	90	80	362	142	64	1	0	0
Winnipeg/James Armstrong Richardson International	706	655	3,055	399	952	2,039	2,464	356	603	50
Winnipeg/St. Andrews	3,033	890	136	0	2	0	0	0	0	0
Yellowknife	509	700	909	284	218	852	596	114	0	2
Total of NAV CANADA towers (42)	102,477	23,028	21,392	18,188	18,917	51,957	57,027	11,435	2,632	10,232

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

	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									
Brandon Municipal	650	104	308	37	39	4	0	8	0	0
Campbell River	987	171	118	533	227	32	6	0	0	0
Castlegar	202	124	24	60	76	159	0	0	0	0
Charlottetown	263	146	53	236	80	504	131	0	0	2
Churchill	61	24	157	95	126	429	19	0	0	0
Cranbrook	438	132	61	346	80	118	10	0	0	0
Deer Lake	163	52	56	393	392	290	262	0	0	0
Fort Nelson	1,307	155	527	179	153	72	48	0	0	0
Fort St. John	1,064	55	182	290	128	269	23	0	0	0
Grande Prairie	945	246	459	233	39	517	141	0	0	0
High Level	856	219	260	154	0	6	17	0	0	0
Îles-de-la-Madeleine	33	35	127	85	170	66	2	0	0	0
Inuvik/Mike Zubko	585	100	812	6	60	52	114	6	0	0
Iqaluit	100	101	825	214	274	395	296	42	4	52
Kamloops	773	108	181	270	148	443	88	0	0	0
Kenora	520	61	899	68	74	66	0	2	0	0
Kingston	1,240	59	97	310	121	16	11	4	0	0
Kuujuuaq	349	194	601	6	107	123	96	0	0	18
La Grande Rivière	59	101	222	6	46	400	78	2	0	0
La Ronge	348	262	565	90	246	309	0	2	0	0
Lethbridge	1,065	287	518	321	31	75	4	2	0	0
Lloydminster	444	76	163	104	4	0	0	0	0	0
Medicine Hat	1,414	63	276	306	10	6	0	0	0	0
Mont-Joli	113	37	121	238	102	49	0	0	0	0
Montréal/Mirabel International	975	208	48	113	31	186	53	4	271	183
Nanaimo	1,609	647	86	45	36	384	0	0	0	0
Norman Wells	543	156	199	48	4	42	201	0	0	0
North Bay	727	260	263	190	189	33	0	20	0	0
Ottawa/Gatineau	2,036	386	65	21	2	0	0	0	0	0
Peace River	212	180	322	34	6	2	0	0	0	0
Penticton	845	173	68	117	19	174	11	0	0	0
Port Hardy	173	276	501	123	312	22	4	0	0	0
Prince Albert	233	75	281	406	340	415	0	0	0	0
Prince Rupert	31	69	47	30	56	156	0	0	0	0
Rankin Inlet	405	301	331	128	429	406	172	0	0	0
Red Deer Regional	2,419	251	210	154	15	44	38	0	0	0
Rouyn-Noranda	555	8	357	12	212	127	56	0	0	0
Saint John	300	183	179	250	226	326	2	3	0	0
Sept-Îles	730	395	476	527	592	88	0	2	0	0
Sioux Lookout	159	456	1,163	659	249	11	0	6	0	0
Smithers	149	107	71	252	56	125	2	0	0	0
St. Catharines	1,854	117	45	24	6	4	0	0	0	0
Sudbury	589	489	1,165	299	437	190	0	4	0	0
Terrace	590	153	159	278	178	192	6	0	0	0
Thompson	343	440	1,381	34	198	617	0	6	0	0
Timmins	231	300	927	95	647	102	0	6	0	0
Val-d'Or	550	68	297	33	316	183	50	2	4	0
Victoria Harbour	97	2,409	776	3	7	0	0	0	0	0
Wabush	771	109	316	377	421	46	4	0	0	0
Whitecourt	924	11	41	10	0	0	0	0	0	0
Williams Lake	366	35	31	442	4	20	0	0	0	0
Total of all flight service stations (51)	32,395	11,174	17,417	9,284	7,721	8,295	1,945	121	279	255

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	3,124	441	1,590	104	895	73	21
Transborder	99	4	7	0	87	0	1
Other international	0	0	0	0	0	0	0
Total	3,223	445	1,597	104	982	73	22
Boundary Bay							
Domestic	6,939	13	1,232	4,199	1,449	18	28
Transborder	177	0	15	50	107	0	5
Other international	0	0	0	0	0	0	0
Total	7,116	13	1,247	4,249	1,556	18	33
Calgary International							
Domestic	16,758	14,040	859	441	1,113	104	201
Transborder	3,642	3,180	68	1	381	3	9
Other international	598	589	6	0	2	0	1
Total	20,998	17,809	933	442	1,496	107	211
Calgary/Springbank							
Domestic	5,527	44	514	2,892	2,037	30	10
Transborder	138	8	5	3	122	0	0
Other international	1	0	0	0	1	0	0
Total	5,666	52	519	2,895	2,160	30	10
Chicoutimi/St-Honoré							
Domestic	2,044	1,441	76	290	233	4	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,046	1,441	76	290	235	4	0
Edmonton City Centre							
Domestic	4,746	1,182	683	1,242	1,081	541	17
Transborder	29	5	5	2	15	2	0
Other international	0	0	0	0	0	0	0
Total	4,775	1,187	688	1,244	1,096	543	17
Edmonton International							
Domestic	9,700	8,776	247	21	630	7	19
Transborder	1,356	1,258	5	1	84	1	7
Other international	112	111	0	0	0	0	1
Total	11,168	10,145	252	22	714	8	27
Edmonton/Villeneuve							
Domestic	1,005	9	45	515	432	2	2
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,008	9	45	515	435	2	2
Fort McMurray							
Domestic	5,974	1,711	3,403	161	661	38	0
Transborder	6	2	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	5,980	1,713	3,403	161	665	38	0
Fredericton International							
Domestic	3,166	925	1,777	5	248	189	22
Transborder	62	18	3	0	41	0	0
Other international	0	0	0	0	0	0	0
Total	3,228	943	1,780	5	289	189	22
Gander International							
Domestic	2,187	509	1,309	5	130	116	118
Transborder	248	79	3	6	95	0	65
Other international	273	100	5	7	92	0	69
Total	2,708	688	1,317	18	317	116	252

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	6,304	5,615	359	12	238	46	34
Transborder	1,202	1,062	4	1	115	0	20
Other international	234	202	2	3	10	0	17
Total	7,740	6,879	365	16	363	46	71
Hamilton							
Domestic	2,062	1,358	131	15	234	322	2
Transborder	553	430	15	1	106	1	0
Other international	36	23	2	0	11	0	0
Total	2,651	1,811	148	16	351	323	2
Kelowna							
Domestic	4,581	3,004	434	287	735	66	55
Transborder	248	146	16	0	86	0	0
Other international	1	1	0	0	0	0	0
Total	4,830	3,151	450	287	821	66	55
Kitchener/Waterloo							
Domestic	4,676	383	3,005	61	1,214	9	4
Transborder	195	35	16	2	140	2	0
Other international	6	0	0	0	6	0	0
Total	4,877	418	3,021	63	1,360	11	4
Langley							
Domestic	2,920	12	196	1,453	1,237	8	14
Transborder	24	0	0	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	2,944	12	196	1,453	1,261	8	14
London							
Domestic	5,001	1,106	792	2,240	794	57	12
Transborder	257	122	17	1	115	1	1
Other international	0	0	0	0	0	0	0
Total	5,258	1,228	809	2,241	909	58	13
Moncton/Greater Moncton International							
Domestic	5,238	1,766	3,030	12	265	162	3
Transborder	93	63	3	0	26	0	1
Other international	2	2	0	0	0	0	0
Total	5,333	1,831	3,033	12	291	162	4
Montréal/Pierre Elliott Trudeau International							
Domestic	12,062	10,163	871	53	768	187	20
Transborder	6,258	5,709	132	8	407	0	2
Other international	2,525	2,479	14	6	25	0	1
Total	20,845	18,351	1,017	67	1,200	187	23
Montréal/St-Hubert							
Domestic	8,661	3,958	991	2,293	1,250	78	91
Transborder	183	19	11	5	144	4	0
Other international	0	0	0	0	0	0	0
Total	8,844	3,977	1,002	2,298	1,394	82	91
Oshawa							
Domestic	5,914	45	64	4,505	1,181	117	2
Transborder	52	2	0	0	50	0	0
Other international	5	0	0	0	5	0	0
Total	5,971	47	64	4,505	1,236	117	2
Ottawa/Macdonald-Cartier International							
Domestic	9,626	6,116	328	2,470	295	289	128
Transborder	1,963	1,801	19	6	122	8	7
Other international	152	138	3	0	1	0	10
Total	11,741	8,055	350	2,476	418	297	145

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	4,451	12	2,114	634	1,641	48	2
Transborder	41	0	1	2	38	0	0
Other international	1	0	0	1	0	0	0
Total	4,493	12	2,115	637	1,679	48	2
Prince George							
Domestic	2,070	1,210	420	7	386	44	3
Transborder	52	3	0	0	48	0	1
Other international	0	0	0	0	0	0	0
Total	2,122	1,213	420	7	434	44	4
Québec/Jean Lesage International							
Domestic	7,815	3,261	2,484	344	1,343	298	85
Transborder	816	680	16	3	114	0	3
Other international	92	78	3	0	3	0	8
Total	8,723	4,019	2,503	347	1,460	298	96
Regina International							
Domestic	3,451	1,767	870	64	593	110	47
Transborder	384	301	3	2	77	0	1
Other international	0	0	0	0	0	0	0
Total	3,835	2,068	873	66	670	110	48
Saskatoon/John G. Diefenbaker International							
Domestic	5,191	3,040	733	392	704	265	57
Transborder	316	250	6	3	54	2	1
Other international	1	0	0	0	0	0	1
Total	5,508	3,290	739	395	758	267	59
Sault Ste. Marie							
Domestic	2,488	1,078	168	972	201	51	18
Transborder	70	1	1	2	65	0	1
Other international	5	0	3	0	2	0	0
Total	2,563	1,079	172	974	268	51	19
St. John's International							
Domestic	3,397	2,437	622	5	124	180	29
Transborder	173	74	1	5	35	1	57
Other international	218	115	5	6	34	1	57
Total	3,788	2,626	628	16	193	182	143
St-Jean							
Domestic	7,514	2	191	132	3,666	6	3,517
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	7,516	2	191	132	3,668	6	3,517
Thunder Bay							
Domestic	5,549	3,130	742	1,089	376	121	91
Transborder	70	18	1	2	49	0	0
Other international	0	0	0	0	0	0	0
Total	5,619	3,148	743	1,091	425	121	91
Toronto/Billy Bishop Toronto City							
Domestic	6,975	3,509	1,381	1,418	653	10	4
Transborder	1,389	1,195	20	4	168	2	0
Other international	1	0	0	0	1	0	0
Total	8,365	4,704	1,401	1,422	822	12	4
Toronto/Buttonville Municipal							
Domestic	7,597	149	3,717	75	3,551	103	2
Transborder	244	21	38	0	185	0	0
Other international	1	0	0	0	1	0	0
Total	7,842	170	3,755	75	3,737	103	2

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	17,960	17,260	368	14	281	31	6
Transborder	15,486	14,509	219	11	747	0	0
Other international	5,384	5,313	31	2	38	0	0
Total	38,830	37,082	618	27	1,066	31	6
Vancouver Harbour							
Domestic	5,881	4,666	1,110	3	96	2	4
Transborder	9	5	0	0	3	0	1
Other international	1	1	0	0	0	0	0
Total	5,891	4,672	1,110	3	99	2	5
Vancouver International							
Domestic	21,964	18,365	2,168	325	766	299	41
Transborder	5,365	4,911	36	12	400	1	5
Other international	1,696	1,663	7	11	11	0	4
Total	29,025	24,939	2,211	348	1,177	300	50
Victoria International							
Domestic	8,648	2,967	3,384	566	1,568	19	144
Transborder	851	473	20	11	341	0	6
Other international	0	0	0	0	0	0	0
Total	9,499	3,440	3,404	577	1,909	19	150
Whitehorse International							
Domestic	2,722	1,335	872	23	443	39	10
Transborder	135	8	1	1	117	1	7
Other international	16	13	1	1	1	0	0
Total	2,873	1,356	874	25	561	40	17
Windsor							
Domestic	2,216	635	1,192	14	325	28	22
Transborder	96	30	10	0	56	0	0
Other international	7	6	0	0	1	0	0
Total	2,319	671	1,202	14	382	28	22
Winnipeg/James Armstrong Richardson International							
Domestic	10,067	8,493	495	81	372	324	302
Transborder	1,193	1,028	16	7	123	0	19
Other international	19	14	4	1	0	0	0
Total	11,279	9,535	515	89	495	324	321
Winnipeg/St. Andrews							
Domestic	4,037	668	2,207	684	471	5	2
Transborder	20	0	3	2	15	0	0
Other international	4	0	3	0	1	0	0
Total	4,061	668	2,213	686	487	5	2
Yellowknife							
Domestic	4,174	3,249	521	47	157	141	59
Transborder	8	3	1	1	3	0	0
Other international	2	1	0	0	1	0	0
Total	4,184	3,253	522	48	161	141	59
Total of NAV CANADA towers (42)							
Domestic	262,382	139,850	47,695	30,165	34,837	4,587	5,248
Transborder	43,510	37,453	737	155	4,916	29	220
Other international	11,393	10,849	89	38	247	1	169
Total	317,285	188,152	48,521	30,358	40,000	4,617	5,637

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	1,134	167	409	67	338	22	131
Transborder	16	0	1	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	1,150	167	410	67	353	22	131
Campbell River							
Domestic	1,890	701	261	271	615	30	12
Transborder	184	25	0	0	159	0	0
Other international	0	0	0	0	0	0	0
Total	2,074	726	261	271	774	30	12
Castlegar							
Domestic	623	281	169	65	96	8	4
Transborder	22	3	0	1	18	0	0
Other international	0	0	0	0	0	0	0
Total	645	284	169	66	114	8	4
Charlottetown							
Domestic	1,297	910	61	4	279	23	20
Transborder	118	80	0	0	38	0	0
Other international	0	0	0	0	0	0	0
Total	1,415	990	61	4	317	23	20
Churchill							
Domestic	910	806	39	14	36	14	1
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	911	806	39	14	37	14	1
Cranbrook							
Domestic	1,142	578	96	29	391	16	32
Transborder	43	2	5	0	32	0	4
Other international	0	0	0	0	0	0	0
Total	1,185	580	101	29	423	16	36
Deer Lake							
Domestic	1,605	1,139	333	20	29	74	10
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,608	1,140	333	20	31	74	10
Fort Nelson							
Domestic	2,440	453	1,722	14	199	0	52
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,441	453	1,722	14	200	0	52
Fort St. John							
Domestic	2,010	771	885	18	305	12	19
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,011	771	885	18	306	12	19
Grande Prairie							
Domestic	2,574	1,246	813	76	410	27	2
Transborder	6	1	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,580	1,247	814	76	414	27	2
High Level							
Domestic	1,512	329	1,088	12	67	10	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,512	329	1,088	12	67	10	6

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	513	372	26	34	35	44	2
Transborder	3	0	0	0	3	0	0
Other international	2	2	0	0	0	0	0
Total	518	374	26	34	38	44	2
Inuvik/Mike Zubko							
Domestic	1,734	1,336	302	12	35	41	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,735	1,336	302	12	36	41	8
Iqaluit							
Domestic	2,189	1,622	308	81	49	115	14
Transborder	23	6	0	1	15	0	1
Other international	91	26	1	14	45	2	3
Total	2,303	1,654	309	96	109	117	18
Kamloops							
Domestic	1,986	923	348	228	426	45	16
Transborder	25	1	1	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	2,011	924	349	228	449	45	16
Kenora							
Domestic	1,545	408	745	102	216	29	45
Transborder	145	27	3	2	113	0	0
Other international	0	0	0	0	0	0	0
Total	1,690	435	748	104	329	29	45
Kingston							
Domestic	1,816	453	394	404	516	27	22
Transborder	42	3	2	0	36	0	1
Other international	0	0	0	0	0	0	0
Total	1,858	456	396	404	552	27	23
Kuujuuaq							
Domestic	1,494	1,003	267	59	126	37	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,494	1,003	267	59	126	37	2
La Grande Rivière							
Domestic	913	580	233	17	75	6	2
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	914	580	233	18	75	6	2
La Ronge							
Domestic	1,816	1,106	69	14	282	339	6
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,822	1,106	69	14	288	339	6
Lethbridge							
Domestic	2,153	400	90	817	713	10	123
Transborder	150	2	0	3	140	0	5
Other international	0	0	0	0	0	0	0
Total	2,303	402	90	820	853	10	128
Lloydminster							
Domestic	790	190	257	17	289	19	18
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	791	191	257	17	289	19	18

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	2,058	496	466	689	353	16	38	
Transborder	16	3	1	0	10	0	2	
Other international	1	0	0	0	1	0	0	
Total	2,075	499	467	689	364	16	40	
Mont-Joli								
Domestic	659	437	91	15	94	16	6	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	660	437	91	15	95	16	6	
Montréal/Mirabel International								
Domestic	1,855	628	592	84	522	6	23	
Transborder	217	198	0	0	17	0	2	
Other international	0	0	0	0	0	0	0	
Total	2,072	826	592	84	539	6	25	
Nanaimo								
Domestic	2,679	495	947	158	1,042	35	2	
Transborder	128	12	1	0	115	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,807	507	948	158	1,157	35	2	
Norman Wells								
Domestic	1,193	705	396	15	37	40	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,193	705	396	15	37	40	0	
North Bay								
Domestic	1,581	565	330	96	377	90	123	
Transborder	99	13	4	0	82	0	0	
Other international	2	0	0	0	2	0	0	
Total	1,682	578	334	96	461	90	123	
Ottawa/Gatineau								
Domestic	2,505	170	724	573	950	81	7	
Transborder	5	0	0	0	5	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,510	170	724	573	955	81	7	
Peace River								
Domestic	756	379	298	6	59	14	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	756	379	298	6	59	14	0	
Penticton								
Domestic	1,380	298	373	70	568	12	59	
Transborder	27	0	3	1	23	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,407	298	376	71	591	12	59	
Port Hardy								
Domestic	1,327	1,082	56	8	109	34	38	
Transborder	84	7	0	0	72	0	5	
Other international	0	0	0	0	0	0	0	
Total	1,411	1,089	56	8	181	34	43	
Prince Albert								
Domestic	1,750	1,338	70	12	175	147	8	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,750	1,338	70	12	175	147	8	

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	364	302	0	1	48	13	0
Transborder	25	1	0	1	23	0	0
Other international	0	0	0	0	0	0	0
Total	389	303	0	2	71	13	0
Rankin Inlet							
Domestic	2,172	1,260	861	13	13	25	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,172	1,260	861	13	13	25	0
Red Deer Regional							
Domestic	3,124	282	1,873	141	730	28	70
Transborder	7	0	1	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	3,131	282	1,874	141	736	28	70
Rouyn-Noranda							
Domestic	1,327	538	192	299	278	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,327	538	192	299	278	20	0
Saint John							
Domestic	1,355	782	85	102	364	6	16
Transborder	108	7	1	0	100	0	0
Other international	6	0	0	1	4	0	1
Total	1,469	789	86	103	468	6	17
Sept-Îles							
Domestic	2,787	1,277	825	240	250	185	10
Transborder	22	1	0	1	20	0	0
Other international	1	0	0	0	1	0	0
Total	2,810	1,278	825	241	271	185	10
Sioux Lookout							
Domestic	2,677	1,865	550	78	115	63	6
Transborder	25	0	1	0	24	0	0
Other international	1	0	1	0	0	0	0
Total	2,703	1,865	552	78	139	63	6
Smithers							
Domestic	759	514	139	4	86	12	4
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	762	514	139	4	89	12	4
St. Catharines							
Domestic	1,946	10	1,293	60	563	18	2
Transborder	104	9	7	4	84	0	0
Other international	0	0	0	0	0	0	0
Total	2,050	19	1,300	64	647	18	2
Sudbury							
Domestic	3,137	1,491	854	78	494	203	17
Transborder	36	0	1	1	34	0	0
Other international	0	0	0	0	0	0	0
Total	3,173	1,491	855	79	528	203	17
Terrace							
Domestic	1,554	749	729	4	54	18	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,556	749	729	4	56	18	0

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	3,016	2,213	515	27	47	214	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	3,019	2,213	515	27	50	214	0
Timmins							
Domestic	2,303	1,464	316	13	333	171	6
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,308	1,465	316	13	337	171	6
Val-d'Or							
Domestic	1,503	752	362	17	307	63	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,503	752	362	17	307	63	2
Victoria Harbour							
Domestic	2,894	2,718	29	9	36	95	7
Transborder	398	395	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	3,292	3,113	29	9	39	95	7
Wabush							
Domestic	2,039	911	777	49	262	38	2
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,044	911	777	49	267	38	2
Whitecourt							
Domestic	985	25	744	122	84	8	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	986	25	744	122	85	8	2
Williams Lake							
Domestic	887	422	203	4	250	6	2
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	898	422	203	4	261	6	2
Total of all flight service stations (51)							
Domestic	86,658	39,942	23,605	5,362	14,127	2,625	997
Transborder	2,124	799	33	16	1,256	0	20
Other international	104	28	2	15	53	2	4
Total	88,886	40,769	23,640	5,393	15,436	2,627	1,021

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	22	8,651	28	15	89	28	547
Boundary Bay	7	17,650	26	14	121	11	954
Calgary International	3	21,116	5	18	61	5	817
Calgary/Springbank	10	13,812	5	15	100	5	788
Chicoutimi/St-Honoré	31	5,258	26	13	76	8	513
Edmonton City Centre	33	5,189	16	11	38	1	265
Edmonton International	15	11,584	27	16	48	27	490
Edmonton/Villeneuve	35	4,974	24	13	89	24	325
Fort McMurray	27	6,502	12	18	40	7	328
Fredericton International	29	6,012	29	2	54	29	403
Gander International	39	3,954	7	14	39	9	276
Halifax/Robert L. Stanfield International	23	8,018	7	11	45	7	331
Hamilton	41	3,431	9	10	37	7	184
Kelowna	26	7,060	14	14	45	5	316
Kitchener/Waterloo	17	10,195	5	14	90	8	612
Langley	28	6,134	26	14	69	6	290
London	18	9,904	13	9	89	14	690
Moncton/Greater Moncton International	20	9,399	12	18	57	6	554
Montréal/Pierre Elliott Trudeau International	4	21,041	14	18	69	14	776
Montréal/St-Hubert	6	18,142	2	10	114	14	1,190
Oshawa	19	9,525	11	9	90	14	744
Ottawa/Macdonald-Cartier International	8	15,247	5	15	88	5	770
Pitt Meadows	13	12,393	26	11	101	9	672
Prince George	42	2,748	18	12	39	5	145
Québec/Jean Lesage International	14	12,343	28	11	83	5	608
Regina International	32	5,255	11	15	40	17	227
Saskatoon/John G. Diefenbaker International	25	7,654	23	13	50	5	357
Sault Ste. Marie	36	4,515	7	15	50	21	247
St. John's International	38	3,982	26	12	26	26	181
St-Jean	21	9,104	7	11	80	7	702
Thunder Bay	24	7,793	7	9	84	12	482
Toronto/Billy Bishop Toronto City	12	12,417	5	16	88	14	660
Toronto/Buttonville Municipal	5	19,186	1	10	154	15	1,184
Toronto/Lester B. Pearson International	1	38,978	21	19	111	21	1,380
Vancouver Harbour	30	5,901	25	8	32	28	246
Vancouver International	2	29,067	29	16	93	28	1,055
Victoria International	9	14,353	11	14	82	22	688
Whitehorse International	40	3,459	15	15	35	6	163
Windsor	37	4,502	15	9	49	14	331
Winnipeg/James Armstrong Richardson International	11	12,465	13	11	46	6	536
Winnipeg/St. Andrews	16	10,707	16	8	89	12	715
Yellowknife	34	5,078	25	15	40	27	223

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	22	2,174	18	11	37	18	152
Campbell River	16	2,831	14	14	34	27	180
Castlegar	46	857	20	11	47	27	82
Charlottetown	38	1,645	5	14	21	25	93
Churchill	45	915	4	10	9	4	49
Cranbrook	36	1,720	20	18	74	20	228
Deer Lake	35	1,724	1	10	26	25	76
Fort Nelson	18	2,673	26	12	30	26	196
Fort St. John	19	2,527	3	15	40	20	138
Grande Prairie	9	3,510	13	14	51	14	243
High Level	37	1,662	13	17	28	4	113
Îles-de-la-Madeleine	50	520	6	13	5	23	28
Inuvik/Mike Zubko	34	1,767	11	9	19	20	88
Iqaluit	20	2,347	5	12	17	13	124
Kamloops	11	3,241	24	11	35	24	202
Kenora	31	1,878	8	12	36	8	121
Kingston	13	3,112	24	14	43	15	203
Kuujuuaq	39	1,598	27	17	18	27	95
La Grande Rivière	44	934	26	10	10	25	65
La Ronge	24	2,092	19	11	27	19	153
Lethbridge	5	3,751	24	17	64	23	383
Lloydminster	42	1,221	12	14	23	4	87
Medicine Hat	3	4,129	11	10	89	11	418
Mont-Joli	49	678	4	18	12	26	50
Montréal/Mirabel International	6	3,712	7	14	64	7	263
Nanaimo	4	3,771	28	14	40	6	189
Norman Wells	41	1,233	19	17	11	11	66
North Bay	14	3,002	14	10	44	4	204
Ottawa/Gatineau	2	5,350	28	9	79	15	288
Peace River	48	802	15	13	11	5	48
Penticton	28	1,991	27	10	36	27	109
Port Hardy	40	1,459	25	13	20	29	83
Prince Albert	30	1,906	28	15	29	28	140
Prince Rupert	51	399	9	12	7	29	30
Rankin Inlet	23	2,172	29	16	18	31	124
Red Deer Regional	1	7,825	23	8	92	15	548
Rouyn-Noranda	27	2,033	18	15	29	27	123
Saint John	26	2,037	24	14	28	31	117
Sept-Îles	15	3,000	27	10	38	8	152
Sioux Lookout	17	2,753	11	17	19	29	134
Smithers	47	856	9	11	25	26	50
St. Catharines	7	3,624	24	14	48	19	193
Sudbury	8	3,616	25	13	31	29	184
Terrace	33	1,816	8	10	35	8	175
Thompson	12	3,113	10	18	28	7	140
Timmins	21	2,340	15	9	22	11	139
Val-d'Or	32	1,821	27	15	25	16	110
Victoria Harbour	10	3,306	23	13	22	22	144
Wabush	25	2,064	26	10	17	28	101
Whitecourt	29	1,964	21	10	53	21	173
Williams Lake	43	1,114	16	10	18	22	74

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	33	3,223	27	10	20	5	177
Boundary Bay	15	7,116	4	17	46	28	389
Calgary International	3	20,998	5	18	59	5	815
Calgary/Springbank	19	5,666	16	10	41	21	281
Chicoutimi/St-Honoré	41	2,046	7	18	17	5	106
Edmonton City Centre	26	4,775	1	14	23	5	221
Edmonton International	7	11,168	6	11	38	5	448
Edmonton/Villeneuve	42	1,008	23	10	13	24	77
Fort McMurray	16	5,980	6	16	27	5	287
Fredericton International	32	3,228	28	12	23	28	189
Gander International	36	2,708	14	16	15	25	135
Halifax/Robert L. Stanfield International	13	7,740	7	15	26	28	283
Hamilton	37	2,651	17	11	18	27	133
Kelowna	25	4,830	7	10	21	5	208
Kitchener/Waterloo	24	4,877	9	13	29	27	265
Langley	34	2,944	23	16	22	6	162
London	23	5,258	14	15	27	14	298
Moncton/Greater Moncton International	22	5,333	23	12	23	6	286
Montréal/Pierre Elliott Trudeau International	4	20,845	14	18	67	14	754
Montréal/St-Hubert	9	8,844	14	11	46	14	506
Oshawa	17	5,971	15	9	70	15	550
Ottawa/Macdonald-Cartier International	5	11,741	14	18	45	14	469
Pitt Meadows	27	4,493	24	14	32	30	286
Prince George	40	2,122	12	10	18	27	102
Québec/Jean Lesage International	10	8,723	28	11	51	28	413
Regina International	30	3,835	5	9	17	15	167
Saskatoon/John G. Diefenbaker International	21	5,508	12	14	26	6	248
Sault Ste. Marie	38	2,563	12	9	15	13	124
St. John's International	31	3,788	26	13	18	25	160
St-Jean	14	7,516	15	10	67	22	568
Thunder Bay	20	5,619	28	16	30	7	239
Toronto/Billy Bishop Toronto City	11	8,365	15	15	34	14	366
Toronto/Buttonville Municipal	12	7,842	1	10	42	15	418
Toronto/Lester B. Pearson International	1	38,830	21	19	103	21	1,368
Vancouver Harbour	18	5,891	25	8	32	28	246
Vancouver International	2	29,025	29	16	93	28	1,053
Victoria International	8	9,499	28	17	41	28	427
Whitehorse International	35	2,873	12	17	23	13	146
Windsor	39	2,319	13	10	16	13	123
Winnipeg/James Armstrong Richardson International	6	11,279	13	11	38	6	464
Winnipeg/St. Andrews	29	4,061	23	10	29	12	239
Yellowknife	28	4,184	20	10	22	27	177

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	40	1,150	19	23	20	21	76
Campbell River	16	2,074	8	14	17	27	118
Castlegar	49	645	27	15	16	27	42
Charlottetown	34	1,415	25	12	9	25	69
Churchill	43	911	4	10	9	4	49
Cranbrook	39	1,185	25	16	11	15	55
Deer Lake	28	1,608	25	8	11	25	68
Fort Nelson	10	2,441	7	9	18	14	146
Fort St. John	21	2,011	29	15	17	27	115
Grande Prairie	8	2,580	24	12	20	14	145
High Level	30	1,512	4	15	17	4	113
Îles-de-la-Madeleine	50	518	6	13	5	23	28
Inuvik/Mike Zubko	25	1,735	29	10	13	20	86
Iqaluit	13	2,303	27	14	16	13	124
Kamloops	20	2,011	24	14	13	6	93
Kenora	26	1,690	6	10	22	19	87
Kingston	22	1,858	10	14	16	15	117
Kuujuuaq	32	1,494	6	17	11	27	67
La Grande Rivière	42	914	8	13	9	25	61
La Ronge	23	1,822	7	16	20	19	127
Lethbridge	12	2,303	23	9	26	24	181
Lloydminster	45	791	2	17	8	4	47
Medicine Hat	15	2,075	25	18	27	25	249
Mont-Joli	48	660	4	18	12	4	42
Montréal/Mirabel International	17	2,072	13	11	14	14	117
Nanaimo	6	2,807	10	12	19	6	139
Norman Wells	38	1,193	18	10	10	11	66
North Bay	27	1,682	5	9	12	20	100
Ottawa/Gatineau	9	2,510	2	11	26	23	145
Peace River	47	756	5	13	8	5	48
Penticton	36	1,407	30	14	16	15	67
Port Hardy	35	1,411	10	13	13	29	83
Prince Albert	24	1,750	7	13	13	13	84
Prince Rupert	51	389	9	12	7	4	24
Rankin Inlet	14	2,172	29	16	18	31	124
Red Deer Regional	3	3,131	18	11	29	18	169
Rouyn-Noranda	37	1,327	25	11	11	27	71
Saint John	33	1,469	13	10	11	8	67
Sept-Îles	5	2,810	19	11	21	18	126
Sioux Lookout	7	2,703	11	17	19	29	134
Smithers	46	762	18	11	7	28	40
St. Catharines	18	2,050	16	10	21	10	116
Sudbury	2	3,173	29	18	21	22	150
Terrace	29	1,556	7	17	11	7	90
Thompson	4	3,019	12	15	16	7	140
Timmins	11	2,308	15	9	22	11	137
Val-d'Or	31	1,503	24	14	12	14	78
Victoria Harbour	1	3,292	21	17	18	22	144
Wabush	19	2,044	26	10	17	28	101
Whitecourt	41	986	25	11	11	25	58
Williams Lake	44	898	4	10	11	4	59

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	7	5,428	28	15	76	28	392
Boundary Bay	2	10,534	26	13	96	26	622
Calgary International	40	118	2	19	6	2	14
Calgary/Springbank	4	8,146	5	15	80	5	520
Chicoutimi/St-Honoré	17	3,212	11	13	70	8	420
Edmonton City Centre	35	414	24	10	18	1	62
Edmonton International	34	416	27	16	26	27	60
Edmonton/Villeneuve	13	3,966	24	13	78	19	248
Fort McMurray	33	522	17	17	26	6	70
Fredericton International	19	2,784	29	2	50	29	266
Gander International	27	1,246	7	14	30	9	164
Halifax/Robert L. Stanfield International	36	278	7	11	28	7	66
Hamilton	30	780	9	10	28	7	66
Kelowna	20	2,230	14	14	32	23	142
Kitchener/Waterloo	8	5,318	8	22	68	8	370
Langley	18	3,190	26	14	54	15	186
London	10	4,646	13	9	76	14	392
Moncton/Greater Moncton International	11	4,066	10	9	40	8	284
Montréal/Pierre Elliott Trudeau International	37	196	30	11	20	30	38
Montréal/St-Hubert	3	9,298	13	22	86	14	684
Oshawa	15	3,554	11	9	76	11	432
Ottawa/Macdonald-Cartier International	16	3,506	5	15	54	5	306
Pitt Meadows	5	7,900	26	11	88	11	470
Prince George	31	626	18	12	34	23	74
Québec/Jean Lesage International	14	3,620	13	10	46	5	256
Regina International	26	1,420	11	15	30	17	88
Saskatoon/John G. Diefenbaker International	23	2,146	23	13	42	5	122
Sault Ste. Marie	24	1,952	7	15	42	21	130
St. John's International	38	194	26	12	16	26	30
St-Jean	25	1,588	1	15	34	7	150
Thunder Bay	22	2,174	7	9	64	12	244
Toronto/Billy Bishop Toronto City	12	4,052	5	16	62	5	294
Toronto/Buttonville Municipal	1	11,344	1	10	112	7	800
Toronto/Lester B. Pearson International	39	148	14	8	8	14	12
Vancouver Harbour	42	10	10	9	2	10	4
Vancouver International	41	42	22	10	14	22	16
Victoria International	9	4,854	11	14	52	11	314
Whitehorse International	32	586	6	11	22	26	58
Windsor	21	2,183	9	11	38	14	226
Winnipeg/James Armstrong Richardson International	28	1,186	29	11	24	12	80
Winnipeg/St. Andrews	6	6,646	16	8	74	8	480
Yellowknife	29	894	25	15	24	28	64

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	10	1,024	7	11	32	18	100
Campbell River	14	757	14	14	30	5	80
Castlegar	28	212	20	11	40	20	40
Charlottetown	26	230	5	14	20	5	38
Churchill	49	4	28	13	2	28	4
Cranbrook	18	535	20	18	72	20	178
Deer Lake	33	116	1	10	24	2	36
Fort Nelson	25	232	30	14	18	26	72
Fort St. John	19	516	3	15	36	22	62
Grande Prairie	13	930	9	11	42	14	98
High Level	32	150	13	17	20	13	32
Îles-de-la-Madeleine	50	2	18	14	2	18	2
Inuvik/Mike Zubko	43	32	11	9	12	11	12
Iqaluit	40	44	2	18	6	2	14
Kamloops	9	1,230	24	11	26	24	134
Kenora	30	188	8	12	30	8	40
Kingston	8	1,254	24	14	38	24	128
Kuuujuaq	34	104	27	9	12	27	28
La Grande Rivière	45	20	9	20	4	9	4
La Ronge	23	270	9	14	14	11	26
Lethbridge	6	1,448	24	12	44	23	234
Lloydminster	21	430	12	14	18	20	48
Medicine Hat	3	2,054	11	10	76	11	330
Mont-Joli	46	18	26	12	10	26	18
Montréal/Mirabel International	4	1,640	7	14	58	7	174
Nanaimo	12	964	28	14	28	11	86
Norman Wells	41	40	24	19	8	24	14
North Bay	7	1,320	14	10	40	4	140
Ottawa/Gatineau	2	2,840	28	9	70	28	178
Peace River	39	46	11	19	6	15	12
Penticton	16	584	27	10	34	27	78
Port Hardy	38	48	25	13	16	25	16
Prince Albert	31	156	28	15	24	28	58
Prince Rupert	48	10	29	11	4	29	8
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	1	4,694	23	8	78	15	392
Rouyn-Noranda	15	706	18	15	24	24	58
Saint John	17	568	24	14	20	31	68
Sept-Îles	29	190	8	16	20	8	46
Sioux Lookout	37	50	5	22	10	5	12
Smithers	36	94	9	11	24	9	24
St. Catharines	5	1,574	20	16	36	19	110
Sudbury	20	443	25	13	24	12	56
Terrace	24	260	8	10	24	8	88
Thompson	35	94	10	18	24	10	24
Timmins	42	32	9	15	12	9	18
Val-d'Or	22	318	11	16	18	17	54
Victoria Harbour	47	14	23	13	12	23	14
Wabush	44	20	2	14	6	7	10
Whitecourt	11	978	21	10	48	21	118
Williams Lake	27	216	13	12	14	22	40

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	7	5,390	28	15	76	22	368
Boundary Bay	2	10,534	26	13	96	26	622
Calgary International	40	114	2	19	6	2	14
Calgary/Springbank	4	8,146	5	15	80	5	520
Chicoutimi/St-Honoré	17	3,212	11	13	70	8	420
Edmonton City Centre	34	412	24	10	18	1	62
Edmonton International	35	404	27	16	26	27	60
Edmonton/Villeneuve	13	3,966	24	13	78	19	248
Fort McMurray	33	522	17	17	26	6	70
Fredericton International	19	2,782	29	2	50	29	266
Gander International	27	1,246	7	14	30	9	164
Halifax/Robert L. Stanfield International	36	268	7	11	28	7	66
Hamilton	30	776	9	10	28	7	66
Kelowna	20	2,224	14	14	32	23	142
Kitchener/Waterloo	8	5,312	8	22	68	8	370
Langley	18	3,190	26	14	54	15	186
London	10	4,644	13	9	76	14	392
Moncton/Greater Moncton International	11	4,062	10	9	40	8	282
Montréal/Pierre Elliott Trudeau International	37	196	30	11	20	30	38
Montréal/St-Hubert	3	9,294	13	22	86	14	684
Oshawa	15	3,554	11	9	76	11	432
Ottawa/Macdonald-Cartier International	16	3,490	5	15	54	5	306
Pitt Meadows	5	7,900	26	11	88	11	470
Prince George	31	626	18	12	34	23	74
Québec/Jean Lesage International	14	3,612	13	10	46	5	256
Regina International	26	1,264	11	15	30	17	88
Saskatoon/John G. Diefenbaker International	23	2,118	23	13	42	5	122
Sault Ste. Marie	24	1,950	7	15	42	21	130
St. John's International	38	194	26	12	16	26	30
St-Jean	25	1,588	1	15	34	7	150
Thunder Bay	22	2,148	7	9	64	12	244
Toronto/Billy Bishop Toronto City	12	4,050	5	16	62	5	294
Toronto/Buttonville Municipal	1	11,344	1	10	112	7	800
Toronto/Lester B. Pearson International	39	148	14	8	8	14	12
Vancouver Harbour	42	10	10	9	2	10	4
Vancouver International	41	42	22	10	14	22	16
Victoria International	9	4,844	11	14	52	11	314
Whitehorse International	32	578	6	11	22	26	58
Windsor	21	2,183	9	11	38	14	226
Winnipeg/James Armstrong Richardson International	28	1,168	29	11	24	7	76
Winnipeg/St. Andrews	6	6,646	16	8	74	8	480
Yellowknife	29	894	25	15	24	28	64

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	12	958	7	11	32	18	100
Campbell River	14	757	14	14	30	5	80
Castlegar	28	210	20	11	40	20	40
Charlottetown	26	224	5	14	20	5	38
Churchill	49	4	28	13	2	28	4
Cranbrook	21	415	20	19	50	20	58
Deer Lake	33	116	1	10	24	2	36
Fort Nelson	25	232	30	14	18	26	72
Fort St. John	18	516	3	15	36	22	62
Grande Prairie	13	930	9	11	42	14	98
High Level	32	150	13	17	20	13	32
Îles-de-la-Madeleine	50	2	18	14	2	18	2
Inuvik/Mike Zubko	41	32	11	9	12	11	12
Iqaluit	39	44	2	18	6	2	14
Kamloops	9	1,230	24	11	26	24	134
Kenora	30	186	8	12	30	8	40
Kingston	8	1,252	24	14	38	24	128
Kuuujuaq	34	104	27	9	12	27	28
La Grande Rivière	46	18	9	20	4	9	4
La Ronge	23	270	9	14	14	11	26
Lethbridge	6	1,344	24	12	44	23	234
Lloydminster	20	430	12	14	18	20	48
Medicine Hat	3	2,018	11	10	76	11	330
Mont-Joli	45	18	26	12	10	26	18
Montréal/Mirabel International	4	1,634	7	14	58	7	174
Nanaimo	11	964	28	14	28	11	86
Norman Wells	40	40	24	19	8	24	14
North Bay	7	1,298	14	10	40	4	140
Ottawa/Gatineau	2	2,840	28	9	70	28	178
Peace River	38	46	11	19	6	15	12
Penticton	16	584	27	10	34	27	78
Port Hardy	42	32	2	10	4	15	10
Prince Albert	31	156	28	15	24	28	58
Prince Rupert	48	10	29	11	4	29	8
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	1	4,694	23	8	78	15	392
Rouyn-Noranda	15	706	18	15	24	24	58
Saint John	17	564	24	14	20	31	68
Sept-Îles	29	190	8	16	20	8	46
Sioux Lookout	37	50	5	22	10	5	12
Smithers	35	94	9	11	24	9	24
St. Catharines	5	1,574	20	16	36	19	110
Sudbury	19	443	25	13	24	12	56
Terrace	24	260	8	10	24	8	88
Thompson	36	94	10	18	24	10	24
Timmins	43	32	9	15	12	9	18
Val-d'Or	22	318	11	16	18	17	54
Victoria Harbour	47	14	23	13	12	23	14
Wabush	44	20	2	14	6	7	10
Whitecourt	10	978	21	10	48	21	118
Williams Lake	27	216	13	12	14	22	40

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	2	38	28	19	14	28	24
Boundary Bay	0	0	0	0	0	0	0
Calgary International	14	4	14	12	4	14	4
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	19	2	2	13	2	2	2
Edmonton International	7	12	20	9	4	20	8
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	18	2	26	13	2	26	2
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	8	10	6	16	2	8	4
Hamilton	15	4	13	16	2	13	2
Kelowna	12	6	29	15	4	29	4
Kitchener/Waterloo	13	6	3	14	6	3	6
Langley	0	0	0	0	0	0	0
London	20	2	1	14	2	1	2
Moncton/Greater Moncton International	16	4	8	9	2	8	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	17	4	1	14	2	1	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	6	16	2	17	10	2	10
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	10	8	13	11	2	18	4
Regina International	1	156	15	14	8	13	18
Saskatoon/John G. Diefenbaker International	3	28	21	17	10	21	14
Sault Ste. Marie	21	2	7	19	2	7	2
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	26	2	13	12	2	20
Toronto/Billy Bishop Toronto City	22	2	10	14	2	10	2
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	9	10	12	11	4	12	4
Whitehorse International	11	8	31	15	6	31	8
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	5	18	13	11	8	13	8
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	3	66	5	23	16	5	28
Campbell River	0	0	0	0	0	0	0
Castlegar	10	2	29	15	2	29	2
Charlottetown	7	6	15	11	2	15	2
Churchill	0	0	0	0	0	0	0
Cranbrook	1	120	20	18	72	20	120
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	11	2	21	11	2	21	2
Kingston	12	2	13	11	2	13	2
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	13	2	8	12	2	8	2
La Ronge	0	0	0	0	0	0	0
Lethbridge	2	104	21	13	42	21	94
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	4	36	25	11	18	25	30
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	8	6	4	12	4	4	4
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	5	22	12	11	10	12	14
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	6	16	25	13	16	25	16
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	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	9	4	5	13	2	5	2
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	0	0	0	0	0	0	0
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

The main runway at Greater Moncton International Airport will be closed for a massive reconstruction from May to August 2011.

Bearskin Airlines has initiated daily non-stop flights between the Waterloo Region International Airport and Montreal's Trudeau Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Munro Hamilton International Airport, the addition of non-stop service from Vancouver and Calgary to Orange County, California and between Toronto and Montreal as well as between Toronto and Ottawa.

Effective in May 2011 Porter Airlines runs daily non-stop round trips from Billy Bishop Toronto City Airport to Windsor Airport and Sault Ste. Marie.

Starting May 1, 2011 Air Canada started cutting the following routes: Ottawa to Thunder Bay; Ottawa to Dulles International in Washington; Montreal to Dulles International in Washington; Calgary to London, Ontario; and Calgary to San Francisco.

Starting May 1, 2011 Air Canada begins daily service between Billy Bishop Toronto City Airport and Montreal/Pierre Elliott Trudeau International.

Effective September 2010, the Calgary Airport Authority no longer permits anyone with a student pilot permit to take off or land at the Calgary International Airport. This has resulted in increased training flights at the nearby Calgary/Springbank 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.