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

July 2010

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

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Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 1.2% in July 2010 from July 2009. These airports reported 590,449 movements in July compared with 597,468 movements in July 2009.
- There were 408,979 itinerant movements (flights from one airport to another) reported in July 2010. This represents a 2.5% decrease (-10,575 movements) compared with the same month a year earlier.
- There were 181,470 local movements (flights that remain in the vicinity of the airport) recorded in July 2010. This represents an increase of 3,556 movements (+2.0%) compared with July 2009.

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

	NAV CANADA towers	Percentage change, July 2009 to July 2010	NAV CANADA Flight Service Stations	Percentage change, July 2009 to July 2010	Total	Percentage change, July 2009 to July 2010
	number	percent	number	percent	number	percent
Grand total	**470,091**	**1.6**	**120,358**	**-10.6**	**590,449**	**-1.2**
Itinerant movements						
Air carriers	237,004	1.3	63,319	-8.3	300,323	-0.8
Other commercial movements	34,689	-5.9	4,409	-23.9	39,098	-8.3
Private movements	39,402	-4.8	16,064	0.6	55,466	-3.3
Government civil movements	4,871	-7.4	2,982	12.0	7,853	-0.9
Government military movements	5,127	-24.6	1,112	-43.8	6,239	-28.9
Itinerant total	321,093	-0.9	87,886	-7.9	408,979	-2.5
Local movements						
Civil local movements	148,992	8.1	32,282	-16.9	181,274	2.6
Military local movements	6	-99.3	190	-52.7	196	-84.5
Local total	148,998	7.5	32,472	-17.3	181,470	2.0

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 1.2% in July 2010 from July 2009. These airports reported 590,449 movements in July compared with 597,468 movements in July 2009. Year over year increases were reported by 44 airports. Toronto/Lester B Pearson International, Ontario (36,668 movements) followed by Vancouver International, British Columbia (28,636 movements) were the most active sites in July 2010.

There were 408,979 itinerant movements (flights from one airport to another) reported in July 2010. This represents a 2.5% decrease (-10,575 movements) compared with the same month a year earlier. The year over year variations ranged from an increase of 85.5% for Gander International, Newfoundland and Labrador to a decline of 38.8% for Kamloops, British Columbia. Year-over-year increases in the number of itinerant aircraft movements were reported by 45 airports in July 2010.

There were 181,470 local movements (flights that remain in the vicinity of the airport) recorded in July 2010. This represents an increase of 3,556 movements (+2.0%) compared with July 2009. Toronto/Buttonville Municipal, Ontario recorded the largest gain, increasing by 6,257 local movements (+76.5%) while Toronto/Billy Bishop Toronto City, Ontario recorded the largest decline with 3,307 fewer local movements (-42.8%) compared with the previous year.

Itinerant movements: domestic, transborder and international

There were 350,729 domestic itinerant movements reported in July 2010, down 3.7% from July 2009. Vancouver International, British Columbia (21,286) followed by Calgary International, Alberta (16,797) reported the greatest number of domestic itinerant movements.

Eighty-four airports reported 45,677 transborder itinerant movements (between Canada and the United States) in July 2010, up 4.8% from the previous year. Toronto/Lester B Pearson International, Ontario (15,359) followed by Montréal/Pierre Elliott Trudeau International, Quebec (6,151) reported the greatest number of transborder itinerant movements.

Fifty-four airports reported 12,573 other international itinerant movements in July 2010. This represents an increase of (+5.9%) from the previous year. Toronto/Lester B Pearson International, Ontario recorded the largest gain, increasing by 649 other international itinerant movements (+14.9%) while Fort McMurray, Alberta reported the largest decline with 649 fewer movements (-65.1%) compared with the previous year.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

Selected CANSIM tables from Statistics Canada

401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
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401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly

401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
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401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

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	24	7,718	29	4,362	19	3,356
Boundary Bay	3	22,363	9	9,312	2	13,051
Calgary International	5	21,242	3	21,025	37	217
Calgary/Springbank	12	13,177	21	5,172	6	8,005
Chicoutimi/St-Honoré	29	6,387	39	2,297	17	4,090
Edmonton City Centre	32	6,095	20	5,270	32	825
Edmonton International	18	10,874	7	10,690	38	184
Edmonton/Villeneuve	28	6,924	42	1,328	10	5,596
Fort McMurray	31	6,153	19	5,531	33	622
Fredericton International	19	10,788	25	4,955	8	5,833
Gander International	34	5,046	34	3,652	25	1,394
Halifax/Robert L Stanfield International	22	8,301	12	7,873	35	428
Hamilton	37	4,757	36	3,530	26	1,227
Kelowna	25	7,363	26	4,882	20	2,481
Kitchener/Waterloo	20	10,103	27	4,777	11	5,326
Langley	21	8,977	31	4,300	13	4,677
London	8	16,163	16	6,953	5	9,210
Moncton/Greater Moncton International	14	12,945	14	7,219	9	5,726
Montréal/Pierre Elliott Trudeau International	6	19,193	4	19,160	41	33
Montréal/St-Hubert	7	17,126	13	7,804	4	9,322
Oshawa	26	7,300	37	3,422	18	3,878
Ottawa/Macdonald-Cartier International	9	15,756	5	11,665	16	4,091
Pitt Meadows	16	12,430	23	5,008	7	7,422
Prince George	40	4,134	38	3,059	28	1,075
Québec/Jean Lesage International	15	12,687	11	8,488	15	4,199
Regina International	30	6,212	30	4,324	22	1,888
Saskatoon/John G Diefenbaker International	23	8,093	18	5,782	21	2,311
Sault Ste. Marie	42	4,098	41	2,222	23	1,876
St. John's International	39	4,587	33	4,177	36	410
St-Jean	27	6,981	17	6,077	31	904
Thunder Bay	33	5,807	28	4,581	27	1,226
Toronto/Billy Bishop Toronto City	13	13,167	10	8,740	14	4,427
Toronto/Buttonville Municipal	4	21,623	15	7,190	1	14,433
Toronto/Lester B Pearson International	1	36,668	1	36,568	39	100
Vancouver Harbour	35	5,036	22	5,034	42	2
Vancouver International	2	28,636	2	28,572	40	64
Victoria International	10	15,023	8	9,836	12	5,187
Whitehorse International	38	4,606	35	3,576	30	1,030
Windsor	41	4,105	40	2,251	24	1,854
Winnipeg/James Armstrong Richardson International	17	12,323	6	11,264	29	1,059
Winnipeg/St. Andrews	11	14,337	24	4,957	3	9,380
Yellowknife	36	4,787	32	4,208	34	579
Total of NAV CANADA towers (42)	.	**470,091**	.	**321,093**	.	**148,998**

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	23	2,156	37	1,210	11	946
Campbell River	2	7,163	4	2,964	2	4,199
Castlegar	47	900	48	742	28	158
Charlottetown	18	2,545	19	1,979	19	566
Churchill	45	925	44	887	41	38
Cranbrook	32	1,572	36	1,220	21	352
Deer Lake	33	1,521	29	1,497	42	24
Fort Nelson	20	2,507	10	2,451	36	56
Fort St John	15	2,799	13	2,203	15	596
Grande Prairie	8	3,575	7	2,769	12	806
High Level	31	1,596	27	1,538	35	58
Îles-de-la-Madeleine	51	429	51	407	43	22
Inuvik/Mike Zubko	26	1,951	22	1,847	30	104
Iqaluit	19	2,521	12	2,279	24	242
Kamloops	4	4,292	8	2,572	5	1,720
Kenora	38	1,308	40	1,142	27	166
Kingston	6	4,016	20	1,978	4	2,038
Kuujjuaq	40	1,229	35	1,221	47	8
La Grande Rivière	46	905	43	897	48	8
La Ronge	22	2,200	16	2,008	25	192
Lethbridge	9	3,528	17	2,006	6	1,522
Lloydminster	43	1,138	47	762	20	376
Medicine Hat	27	1,928	32	1,308	14	620
Mont-Joli	50	514	49	496	44	18
Montréal/Mirabel International	12	3,219	23	1,819	7	1,400
Nanaimo	5	4,020	6	2,826	10	1,194
Norman Wells	34	1,515	30	1,475	39	40
North Bay	14	2,989	26	1,683	8	1,306
Ottawa/Gatineau	3	5,460	15	2,053	3	3,407
Peace River	44	1,127	42	1,007	29	120
Penticton	17	2,643	21	1,919	13	724
Port Hardy	35	1,474	31	1,464	46	10
Prince Albert	28	1,862	24	1,806	37	56
Prince Rupert	49	531	50	451	32	80
Rankin Inlet	41	1,198	38	1,194	49	4
Red Deer Regional	1	8,672	2	3,402	1	5,270
Rouyn-Noranda	30	1,740	39	1,166	17	574
Saint John	29	1,758	28	1,512	23	246
Sept-Îles	16	2,780	9	2,480	22	300
Sioux Lookout	21	2,377	11	2,337	38	40
Smithers	39	1,231	34	1,229	50	2
St Catharines	13	3,004	25	1,734	9	1,270
Sudbury	10	3,519	5	2,933	16	586
Terrace	42	1,160	41	1,094	33	66
Thompson	7	3,594	1	3,536	34	58
Timmins	24	2,141	14	2,125	45	16
Val-d'Or	36	1,472	33	1,304	26	168
Victoria Harbour	11	3,318	3	3,318	0	0
Wabush	48	850	46	810	40	40
Whitecourt	37	1,391	45	821	18	570
Williams Lake	25	2,095	18	2,005	31	90
Total of all flight service stations (51)	.	**120,358**	.	**87,886**	.	**32,472**

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	7,708	3,109	1,243	3,356	10	10	0
Boundary Bay	22,345	7,367	1,927	13,051	18	18	0
Calgary International	21,099	19,370	1,512	217	143	143	0
Calgary/Springbank	13,173	3,467	1,701	8,005	4	4	0
Chicoutimi/St-Honoré	6,386	1,996	300	4,090	1	1	0
Edmonton City Centre	6,064	3,942	1,297	825	31	31	0
Edmonton International	10,846	10,174	488	184	28	28	0
Edmonton/Villeneuve	6,924	900	428	5,596	0	0	0
Fort McMurray	6,151	5,053	476	622	2	2	0
Fredericton International	10,725	4,596	296	5,833	63	63	0
Gander International	4,745	2,706	645	1,394	301	301	0
Halifax/Robert L Stanfield International	8,207	7,384	395	428	94	94	0
Hamilton	4,742	2,426	1,089	1,227	15	15	0
Kelowna	7,346	3,693	1,172	2,481	17	17	0
Kitchener/Waterloo	10,101	3,666	1,109	5,326	2	2	0
Langley	8,975	2,700	1,598	4,677	2	2	0
London	16,150	5,726	1,214	9,210	13	13	0
Moncton/Greater Moncton International	12,931	6,762	443	5,726	14	14	0
Montréal/Pierre Elliott Trudeau International	19,169	17,813	1,323	33	24	24	0
Montréal/St-Hubert	17,041	6,427	1,292	9,322	85	85	0
Oshawa	7,296	2,618	800	3,878	4	4	0
Ottawa/Macdonald-Cartier International	15,555	10,628	838	4,089	201	199	2
Pitt Meadows	12,428	3,085	1,921	7,422	2	2	0
Prince George	4,114	2,388	651	1,075	20	20	0
Québec/Jean Lesage International	12,621	6,654	1,768	4,199	66	66	0
Regina International	6,087	3,376	823	1,888	125	125	0
Saskatoon/John G Diefenbaker International	8,005	4,609	1,085	2,311	88	88	0
Sault Ste. Marie	4,080	1,879	329	1,872	18	14	4
St. John's International	4,334	3,401	523	410	253	253	0
St-Jean	4,134	644	2,586	904	2,847	2,847	0
Thunder Bay	5,754	3,976	552	1,226	53	53	0
Toronto/Billy Bishop Toronto City	13,154	7,858	869	4,427	13	13	0
Toronto/Buttonville Municipal	21,623	3,805	3,385	14,433	0	0	0
Toronto/Lester B Pearson International	36,643	35,483	1,060	100	25	25	0
Vancouver Harbour	5,036	4,931	103	2	0	0	0
Vancouver International	28,615	26,930	1,621	64	21	21	0
Victoria International	14,937	7,572	2,178	5,187	86	86	0
Whitehorse International	4,583	2,210	1,343	1,030	23	23	0
Windsor	4,105	1,879	372	1,854	0	0	0
Winnipeg/James Armstrong Richardson International	12,010	10,223	728	1,059	313	313	0
Winnipeg/St. Andrews	14,323	4,525	418	9,380	14	14	0
Yellowknife	4,693	3,742	372	579	94	94	0
Total of NAV CANADA towers (42)	**464,958**	**271,693**	**44,273**	**148,992**	**5,133**	**5,127**	**6**

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	1,955	611	420	924	201	179	22
Campbell River	7,157	2,130	828	4,199	6	6	0
Castlegar	880	568	154	158	20	20	0
Charlottetown	2,509	1,604	341	564	36	34	2
Churchill	925	820	67	38	0	0	0
Cranbrook	1,558	761	445	352	14	14	0
Deer Lake	1,513	1,382	107	24	8	8	0
Fort Nelson	2,460	1,975	429	56	47	47	0
Fort St John	2,723	1,687	440	596	76	76	0
Grande Prairie	3,566	2,234	526	806	9	9	0
High Level	1,513	1,333	122	58	83	83	0
Îles-de-la-Madeleine	429	316	91	22	0	0	0
Inuvik/Mike Zubko	1,924	1,740	84	100	27	23	4
Iqaluit	2,505	2,114	149	242	16	16	0
Kamloops	4,282	1,862	700	1,720	10	10	0
Kenora	1,193	787	304	102	115	51	64
Kingston	3,995	1,285	674	2,036	21	19	2
Kuujjuaq	1,229	1,157	64	8	0	0	0
La Grande Rivière	905	813	84	8	0	0	0
La Ronge	2,200	1,448	560	192	0	0	0
Lethbridge	3,441	1,161	802	1,478	87	43	44
Lloydminster	1,136	428	332	376	2	2	0
Medicine Hat	1,872	901	363	608	56	44	12
Mont-Joli	506	362	126	18	8	8	0
Montréal/Mirabel International	3,199	1,405	394	1,400	20	20	0
Nanaimo	4,018	1,530	1,294	1,194	2	2	0
Norman Wells	1,473	1,359	74	40	42	42	0
North Bay	2,911	1,039	594	1,278	78	50	28
Ottawa/Gatineau	5,453	1,042	1,004	3,407	7	7	0
Peace River	1,115	770	225	120	12	12	0
Penticton	2,603	1,324	555	724	40	40	0
Port Hardy	1,445	1,185	250	10	29	29	0
Prince Albert	1,820	1,460	308	52	42	38	4
Prince Rupert	529	342	107	80	2	2	0
Rankin Inlet	1,198	1,182	12	4	0	0	0
Red Deer Regional	8,596	2,437	889	5,270	76	76	0
Rouyn-Noranda	1,734	943	217	574	6	6	0
Saint John	1,739	1,020	473	246	19	19	0
Sept-Îles	2,772	2,159	313	300	8	8	0
Sioux Lookout	2,373	2,183	150	40	4	4	0
Smithers	1,227	854	371	2	4	4	0
St Catharines	3,000	1,139	591	1,270	4	4	0
Sudbury	3,499	2,233	680	586	20	20	0
Terrace	1,156	983	107	66	4	4	0
Thompson	3,590	3,085	447	58	4	4	0
Timmins	2,141	1,794	331	16	0	0	0
Val-d'Or	1,470	1,009	293	168	2	2	0
Victoria Harbour	3,307	2,685	622	0	11	11	0
Wabush	850	715	95	40	0	0	0
Whitecourt	1,389	659	160	570	2	2	0
Williams Lake	2,073	1,713	278	82	22	14	8
Total of all flight service stations (51)	**119,056**	**67,728**	**19,046**	**32,282**	**1,302**	**1,112**	**190**

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	4,362	510	2,094	505	1,156	87	10
Boundary Bay	9,312	15	1,532	5,820	1,898	29	18
Calgary International	21,025	18,044	876	450	1,362	150	143
Calgary/Springbank	5,172	70	609	2,788	1,669	32	4
Chicoutimi/St-Honoré	2,297	1,523	107	366	296	4	1
Edmonton City Centre	5,270	1,637	554	1,751	919	378	31
Edmonton International	10,690	9,838	265	71	482	6	28
Edmonton/Villeneuve	1,328	9	107	784	418	10	0
Fort McMurray	5,531	1,717	3,098	238	461	15	2
Fredericton International	4,955	951	3,641	4	214	82	63
Gander International	3,652	618	2,050	38	429	216	301
Halifax/Robert L Stanfield International	7,873	6,823	520	41	355	40	94
Hamilton	3,530	1,861	514	51	679	410	15
Kelowna	4,882	3,038	396	259	1,085	87	17
Kitchener/Waterloo	4,777	322	3,255	89	1,107	2	2
Langley	4,300	103	280	2,317	1,584	14	2
London	6,953	1,499	1,401	2,826	1,155	59	13
Moncton/Greater Moncton International	7,219	1,814	4,942	6	262	181	14
Montréal/Pierre Elliott Trudeau International	19,160	16,870	875	68	1,118	205	24
Montréal/St-Hubert	7,804	3,666	743	2,018	1,205	87	85
Oshawa	3,422	50	136	2,432	732	68	4
Ottawa/Macdonald-Cartier International	11,665	7,667	459	2,502	476	362	199
Pitt Meadows	5,008	14	1,449	1,622	1,886	35	2
Prince George	3,059	1,277	1,068	43	567	84	20
Québec/Jean Lesage International	8,488	3,978	2,320	356	1,443	325	66
Regina International	4,324	2,405	919	52	658	165	125
Saskatoon/John G Diefenbaker International	5,782	3,329	816	464	732	353	88
Sault Ste. Marie	2,222	853	91	935	294	35	14
St. John's International	4,177	2,479	902	20	361	162	253
St-Jean	6,077	204	303	137	2,558	28	2,847
Thunder Bay	4,581	2,980	564	432	411	141	53
Toronto/Billy Bishop Toronto City	8,740	3,304	2,189	2,365	859	10	13
Toronto/Buttonville Municipal	7,190	313	3,329	163	3,358	27	0
Toronto/Lester B Pearson International	36,568	34,934	534	15	1,048	12	25
Vancouver Harbour	5,034	4,316	609	6	98	5	0
Vancouver International	28,572	24,589	2,130	211	1,229	392	21
Victoria International	9,836	3,498	3,364	710	2,106	72	86
Whitehorse International	3,576	1,109	984	117	1,283	60	23
Windsor	2,251	575	1,257	47	366	6	0
Winnipeg/James Armstrong Richardson International	11,264	9,702	446	75	449	279	313
Winnipeg/St. Andrews	4,957	611	2,439	1,475	416	2	14
Yellowknife	4,208	3,251	471	20	218	154	94
Total of NAV CANADA towers (42)	**321,093**	**182,366**	**54,638**	**34,689**	**39,402**	**4,871**	**5,127**

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	1,210	133	381	97	410	10	179
Campbell River	2,964	619	1,067	444	783	45	6
Castlegar	742	318	211	39	142	12	20
Charlottetown	1,979	1,029	308	267	315	26	34
Churchill	887	790	28	2	54	13	0
Cranbrook	1,220	584	156	21	421	24	14
Deer Lake	1,497	1,109	222	51	36	71	8
Fort Nelson	2,451	376	1,586	13	421	8	47
Fort St John	2,203	732	944	11	438	2	76
Grande Prairie	2,769	1,288	806	140	502	24	9
High Level	1,538	370	953	10	113	9	83
Îles-de-la-Madeleine	407	304	12	0	45	46	0
Inuvik/Mike Zubko	1,847	1,381	355	4	43	41	23
Iqaluit	2,279	1,764	340	10	87	62	16
Kamloops	2,572	946	754	162	638	62	10
Kenora	1,142	391	352	44	268	36	51
Kingston	1,978	451	419	415	648	26	19
Kuujjuaq	1,221	917	232	8	46	18	0
La Grande Rivière	897	596	199	18	68	16	0
La Ronge	2,008	1,055	389	4	94	466	0
Lethbridge	2,006	380	118	663	786	16	43
Lloydminster	762	108	293	27	315	17	2
Medicine Hat	1,308	527	333	41	349	14	44
Mont-Joli	496	274	78	10	108	18	8
Montréal/Mirabel International	1,819	731	490	184	390	4	20
Nanaimo	2,826	543	833	154	1,182	112	2
Norman Wells	1,475	900	450	9	39	35	42
North Bay	1,683	566	384	89	498	96	50
Ottawa/Gatineau	2,053	193	455	394	912	92	7
Peace River	1,007	309	440	21	201	24	12
Penticton	1,919	359	838	127	555	0	40
Port Hardy	1,464	1,080	89	16	140	110	29
Prince Albert	1,806	1,324	124	12	174	134	38
Prince Rupert	451	282	56	4	89	18	2
Rankin Inlet	1,194	974	206	2	9	3	0
Red Deer Regional	3,402	263	1,990	184	874	15	76
Rouyn-Noranda	1,166	519	150	274	185	32	6
Saint John	1,512	847	165	8	460	13	19
Sept-Îles	2,480	1,306	819	34	211	102	8
Sioux Lookout	2,337	1,738	433	12	128	22	4
Smithers	1,229	422	411	21	351	20	4
St Catharines	1,734	28	1,050	61	575	16	4
Sudbury	2,933	1,463	699	71	390	290	20
Terrace	1,094	574	407	2	78	29	4
Thompson	3,536	2,494	564	27	100	347	4
Timmins	2,125	1,457	331	6	179	152	0
Val-d'Or	1,304	758	228	23	217	76	2
Victoria Harbour	3,318	2,665	20	0	513	109	11
Wabush	810	603	78	34	69	26	0
Whitecourt	821	32	543	84	149	11	2
Williams Lake	2,005	409	1,249	55	266	12	14
Total of all flight service stations (51)	**87,886**	**39,281**	**24,038**	**4,409**	**16,064**	**2,982**	**1,112**

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	number
Abbotsford	4,362	777	17.8	3,585	82.1	1,054
Boundary Bay	9,312	356	3.8	8,956	96.1	636
Calgary International	21,025	19,804	94.1	1,221	5.8	727
Calgary/Springbank	5,172	404	7.8	4,768	92.1	335
Chicoutimi/St-Honoré	2,297	81	3.5	2,216	96.4	36
Edmonton City Centre	5,270	2,280	43.2	2,990	56.7	1,395
Edmonton International	10,690	10,264	96.0	426	3.9	881
Edmonton/Villeneuve	1,328	47	3.5	1,281	96.4	106
Fort McMurray	5,531	1,881	34.0	3,650	65.9	185
Fredericton International	4,955	1,534	30.9	3,421	69.0	98
Gander International	3,652	1,441	39.4	2,211	60.5	230
Halifax/Robert L Stanfield International	7,873	7,271	92.3	602	7.6	304
Hamilton	3,530	2,281	64.6	1,249	35.3	953
Kelowna	4,882	2,752	56.3	2,130	43.6	111
Kitchener/Waterloo	4,777	571	11.9	4,206	88.0	80
Langley	4,300	33	0.7	4,267	99.2	956
London	6,953	1,750	25.1	5,203	74.8	104
Moncton/Greater Moncton International	7,219	2,724	37.7	4,495	62.2	410
Montréal/Pierre Elliott Trudeau International	19,160	18,373	95.8	787	4.1	1,569
Montréal/St-Hubert	7,804	1,300	16.6	6,504	83.3	522
Oshawa	3,422	108	3.1	3,314	96.8	488
Ottawa/Macdonald-Cartier International	11,665	8,380	71.8	3,285	28.1	336
Pitt Meadows	5,008	46	0.9	4,962	99.0	535
Prince George	3,059	1,359	44.4	1,700	55.5	63
Québec/Jean Lesage International	8,488	4,731	55.7	3,757	44.2	212
Regina International	4,324	2,780	64.2	1,544	35.7	43
Saskatoon/John G Diefenbaker International	5,782	3,851	66.6	1,931	33.3	9
Sault Ste. Marie	2,222	1,092	49.1	1,130	50.8	134
St. John's International	4,177	3,648	87.3	529	12.6	273
St-Jean	6,077	273	4.4	5,804	95.5	271
Thunder Bay	4,581	3,345	73.0	1,236	26.9	64
Toronto/Billy Bishop Toronto City	8,740	3,649	41.7	5,091	58.2	1,669
Toronto/Buttonville Municipal	7,190	697	9.6	6,493	90.3	741
Toronto/Lester B Pearson International	36,568	36,404	99.5	164	0.4	43
Vancouver Harbour	5,034	5	0.0	5,029	99.9	3,022
Vancouver International	28,572	21,678	75.8	6,894	24.1	724
Victoria International	9,836	3,743	38.0	6,093	61.9	3,528
Whitehorse International	3,576	764	21.3	2,812	78.6	307
Windsor	2,251	676	30.0	1,575	69.9	75
Winnipeg/James Armstrong Richardson International	11,264	9,929	88.1	1,335	11.8	47
Winnipeg/St. Andrews	4,957	103	2.0	4,854	97.9	21
Yellowknife	4,208	2,220	52.7	1,988	47.2	1,047
Total of NAV CANADA towers (42)	**321,093**	**185,405**	**57.7**	**135,688**	**42.3**	**24,344**

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	number
Brandon Municipal	1,210	237	19.5	973	80.4	169
Campbell River	2,964	465	15.6	2,499	84.3	699
Castlegar	742	316	42.5	426	57.4	195
Charlottetown	1,979	1,252	63.2	727	36.7	69
Churchill	887	773	87.1	114	12.8	249
Cranbrook	1,220	642	52.6	578	47.3	240
Deer Lake	1,497	1,307	87.3	190	12.6	81
Fort Nelson	2,451	430	17.5	2,021	82.4	150
Fort St John	2,203	752	34.1	1,451	65.8	221
Grande Prairie	2,769	1,393	50.3	1,376	49.6	316
High Level	1,538	284	18.4	1,254	81.5	425
Îles-de-la-Madeleine	407	379	93.1	28	6.8	8
Inuvik/Mike Zubko	1,847	459	24.8	1,388	75.1	170
Iqaluit	2,279	1,420	62.3	859	37.6	175
Kamloops	2,572	1,079	41.9	1,493	58.0	515
Kenora	1,142	535	46.8	607	53.1	491
Kingston	1,978	584	29.5	1,394	70.4	247
Kuujjuaq	1,221	465	38.0	756	61.9	198
La Grande Rivière	897	645	71.9	252	28.0	242
La Ronge	2,008	695	34.6	1,313	65.3	2,108
Lethbridge	2,006	506	25.2	1,500	74.7	82
Lloydminster	762	184	24.1	578	75.8	42
Medicine Hat	1,308	379	28.9	929	71.0	198
Mont-Joli	496	348	70.1	148	29.8	41
Montréal/Mirabel International	1,819	875	48.1	944	51.8	1,125
Nanaimo	2,826	626	22.1	2,200	77.8	1,489
Norman Wells	1,475	256	17.3	1,219	82.6	258
North Bay	1,683	745	44.2	938	55.7	731
Ottawa/Gatineau	2,053	125	6.0	1,928	93.9	623
Peace River	1,007	277	27.5	730	72.4	83
Penticton	1,919	302	15.7	1,617	84.2	224
Port Hardy	1,464	478	32.6	986	67.3	357
Prince Albert	1,806	1,332	73.7	474	26.2	145
Prince Rupert	451	278	61.6	173	38.3	21
Rankin Inlet	1,194	814	68.1	380	31.8	36
Red Deer Regional	3,402	319	9.3	3,083	90.6	442
Rouyn-Noranda	1,166	683	58.5	483	41.4	129
Saint John	1,512	1,194	78.9	318	21.0	71
Sept-Îles	2,480	1,490	60.0	990	39.9	358
Sioux Lookout	2,337	1,696	72.5	641	27.4	1,298
Smithers	1,229	412	33.5	817	66.4	659
St Catharines	1,734	129	7.4	1,605	92.5	355
Sudbury	2,933	1,695	57.7	1,238	42.2	277
Terrace	1,094	552	50.4	542	49.5	217
Thompson	3,536	1,792	50.6	1,744	49.3	432
Timmins	2,125	1,645	77.4	480	22.5	200
Val-d'Or	1,304	745	57.1	559	42.8	706
Victoria Harbour	3,318	10	0.3	3,308	99.6	828
Wabush	810	672	82.9	138	17.0	691
Whitecourt	821	58	7.0	763	92.9	172
Williams Lake	2,005	429	21.3	1,576	78.6	351
Total of all flight service stations (51)	**87,886**	**35,158**	**40.0**	**52,728**	**60.0**	**19,609**

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	4,362	455	286	2,994	627	0
Boundary Bay	9,312	6	83	8,928	295	0
Calgary International	21,025	14,496	5,164	704	661	0
Calgary/Springbank	5,172	17	222	4,398	535	0
Chicoutimi/St-Honoré	2,297	2	62	2,053	180	0
Edmonton City Centre	5,270	482	1,657	2,332	787	12
Edmonton International	10,690	7,203	3,021	428	38	0
Edmonton/Villeneuve	1,328	18	53	1,160	97	0
Fort McMurray	5,531	1,095	1,553	1,411	1,472	0
Fredericton International	4,955	445	716	3,678	116	0
Gander International	3,652	823	648	1,978	203	0
Halifax/Robert L Stanfield International	7,873	4,447	2,695	371	360	0
Hamilton	3,530	1,370	789	1,216	154	1
Kelowna	4,882	1,213	1,619	1,680	367	3
Kitchener/Waterloo	4,777	194	237	3,931	414	1
Langley	4,300	4	96	3,559	637	4
London	6,953	720	1,130	4,915	186	2
Moncton/Greater Moncton International	7,219	1,162	885	5,091	81	0
Montréal/Pierre Elliott Trudeau International	19,160	13,147	5,080	604	329	0
Montréal/St-Hubert	7,804	134	648	6,601	421	0
Oshawa	3,422	10	15	3,293	104	0
Ottawa/Macdonald-Cartier International	11,665	5,958	2,465	2,900	342	0
Pitt Meadows	5,008	1	47	4,622	338	0
Prince George	3,059	532	1,312	798	417	0
Québec/Jean Lesage International	8,488	1,517	3,044	2,964	961	2
Regina International	4,324	2,073	500	1,676	65	10
Saskatoon/John G Diefenbaker International	5,782	2,051	1,783	1,911	37	0
Sault Ste. Marie	2,222	32	961	1,212	17	0
St. John's International	4,177	1,836	1,764	155	422	0
St-Jean	6,077	0	44	3,564	47	2,422
Thunder Bay	4,581	842	2,511	884	344	0
Toronto/Billy Bishop Toronto City	8,740	0	3,639	4,525	575	1
Toronto/Buttonville Municipal	7,190	40	328	6,596	224	2
Toronto/Lester B Pearson International	36,568	30,649	5,832	62	25	0
Vancouver Harbour	5,034	0	2,879	1,461	694	0
Vancouver International	28,572	13,413	10,601	3,552	1,006	0
Victoria International	9,836	1,458	2,321	5,693	364	0
Whitehorse International	3,576	466	614	1,825	671	0
Windsor	2,251	154	515	1,569	13	0
Winnipeg/James Armstrong Richardson International	11,264	5,383	4,594	1,162	125	0
Winnipeg/St. Andrews	4,957	0	612	4,140	205	0
Yellowknife	4,208	845	2,459	483	420	1
Total of NAV CANADA towers (42)	**321,093**	**114,693**	**75,484**	**113,079**	**15,376**	**2,461**

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,210	24	213	889	84	0
Campbell River	2,964	87	766	1,826	285	0
Castlegar	742	8	359	204	171	0
Charlottetown	1,979	736	346	849	48	0
Churchill	887	4	804	53	26	0
Cranbrook	1,220	24	617	488	91	0
Deer Lake	1,497	338	958	149	52	0
Fort Nelson	2,451	74	375	595	1,407	0
Fort St John	2,203	268	644	583	708	0
Grande Prairie	2,769	285	1,171	779	534	0
High Level	1,538	54	433	442	609	0
Îles-de-la-Madeleine	407	16	333	58	0	0
Inuvik/Mike Zubko	1,847	128	1,011	363	345	0
Iqaluit	2,279	431	1,548	29	271	0
Kamloops	2,572	148	1,221	807	395	1
Kenora	1,142	81	470	329	262	0
Kingston	1,978	23	501	1,344	110	0
Kuujjuaq	1,221	130	842	21	228	0
La Grande Rivière	897	42	706	89	60	0
La Ronge	2,008	8	1,301	639	60	0
Lethbridge	2,006	59	695	1,147	102	3
Lloydminster	762	11	164	524	63	0
Medicine Hat	1,308	10	512	690	96	0
Mont-Joli	496	20	324	92	60	0
Montréal/Mirabel International	1,819	552	239	689	338	1
Nanaimo	2,826	32	639	2,035	120	0
Norman Wells	1,475	211	464	348	452	0
North Bay	1,683	51	722	524	386	0
Ottawa/Gatineau	2,053	23	110	1,670	247	3
Peace River	1,007	18	262	255	472	0
Penticton	1,919	22	469	884	543	1
Port Hardy	1,464	33	882	364	185	0
Prince Albert	1,806	42	1,351	325	88	0
Prince Rupert	451	47	293	41	70	0
Rankin Inlet	1,194	133	847	39	175	0
Red Deer Regional	3,402	65	343	2,913	81	0
Rouyn-Noranda	1,166	79	653	406	28	0
Saint John	1,512	486	586	357	83	0
Sept-Îles	2,480	64	1,422	478	516	0
Sioux Lookout	2,337	6	1,833	469	29	0
Smithers	1,229	16	625	354	234	0
St Catharines	1,734	13	73	1,172	476	0
Sudbury	2,933	48	1,774	554	557	0
Terrace	1,094	30	592	86	386	0
Thompson	3,536	14	2,404	912	206	0
Timmins	2,125	2	1,839	182	102	0
Val-d'Or	1,304	77	720	338	169	0
Victoria Harbour	3,318	0	2,336	386	596	0
Wabush	810	13	646	87	64	0
Whitecourt	821	18	121	192	490	0
Williams Lake	2,005	12	695	367	931	0
Total of all flight service stations (51)	**87,886**	**5,116**	**39,254**	**29,416**	**14,091**	**9**

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	3,152	461	151	36	13	72	474	3	0	0
Boundary Bay	8,721	540	47	0	4	0	0	0	0	0
Calgary International	812	659	1,363	1,778	1,081	4,856	8,347	1,071	242	816
Calgary/Springbank	4,542	392	169	43	2	24	0	0	0	0
Chicoutimi/St-Honoré	2,136	100	58	2	0	1	0	0	0	0
Edmonton City Centre	2,733	399	1,565	411	127	31	0	4	0	0
Edmonton International	303	200	413	764	437	2,667	5,003	628	167	108
Edmonton/Villeneuve	1,210	57	51	10	0	0	0	0	0	0
Fort McMurray	2,418	663	789	350	72	733	506	0	0	0
Fredericton International	3,609	149	292	228	167	479	18	2	0	11
Gander International	1,868	43	61	448	376	584	80	120	13	59
Halifax/Robert L Stanfield International	210	306	404	838	1,050	1,966	2,258	487	165	189
Hamilton	1,113	516	264	295	206	28	490	12	512	94
Kelowna	1,867	191	281	582	81	879	989	0	12	0
Kitchener/Waterloo	4,167	180	227	51	31	24	97	0	0	0
Langley	4,138	148	10	0	2	0	1	1	0	0
London	4,986	271	313	46	560	462	311	4	0	0
Moncton/Greater Moncton International	5,047	148	332	335	151	458	476	13	257	2
Montréal/Pierre Elliott Trudeau International	653	210	676	707	2,551	5,799	5,131	1,396	10	2,027
Montréal/St-Hubert	6,154	753	588	227	68	14	0	0	0	0
Oshawa	3,271	117	24	7	2	1	0	0	0	0
Ottawa/Macdonald-Cartier International	2,933	181	871	195	422	3,641	2,708	411	56	247
Pitt Meadows	4,692	254	59	0	3	0	0	0	0	0
Prince George	940	253	237	860	54	496	219	0	0	0
Québec/Jean Lesage International	3,484	419	797	411	1,341	1,530	424	2	6	74
Regina International	1,451	289	334	215	24	1,168	744	4	94	1
Saskatoon/John G Diefenbaker International	1,696	287	812	599	224	1,406	717	0	41	0
Sault Ste. Marie	1,167	149	445	63	377	21	0	0	0	0
St. John's International	135	17	261	706	916	428	1,262	324	80	48
St-Jean	5,834	189	48	0	2	4	0	0	0	0
Thunder Bay	882	269	2,053	256	20	547	546	7	1	0
Toronto/Billy Bishop Toronto City	4,634	387	650	38	4	3,027	0	0	0	0
Toronto/Buttonville Municipal	6,367	557	215	43	4	4	0	0	0	0
Toronto/Lester B Pearson International	31	200	321	2,130	4,018	7,104	13,748	4,794	486	3,736
Vancouver Harbour	203	3,669	1,148	14	0	0	0	0	0	0
Vancouver International	1,368	4,467	1,026	3,001	2,129	5,293	7,027	1,755	329	2,177
Victoria International	4,987	1,184	284	419	1,019	1,104	732	71	36	0
Whitehorse International	2,184	446	225	96	61	257	289	0	0	18
Windsor	1,536	87	62	70	322	110	64	0	0	0
Winnipeg/James Armstrong Richardson International	723	601	3,113	389	899	1,810	2,646	385	634	64
Winnipeg/St. Andrews	4,032	798	127	0	0	0	0	0	0	0
Yellowknife	555	479	909	271	304	1,001	541	146	0	2
Total of NAV CANADA towers (42)	**112,944**	**21,685**	**22,075**	**16,934**	**19,124**	**48,029**	**55,848**	**11,640**	**3,141**	**9,673**

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	817	97	222	17	29	2	0	24	2	0
Campbell River	1,962	168	89	507	181	51	6	0	0	0
Castlegar	266	93	73	67	92	146	5	0	0	0
Charlottetown	738	185	58	21	263	576	134	4	0	0
Churchill	61	15	149	123	162	377	0	0	0	0
Cranbrook	443	105	108	321	75	132	36	0	0	0
Deer Lake	92	77	57	336	595	140	200	0	0	0
Fort Nelson	1,629	152	332	172	114	28	24	0	0	0
Fort St John	1,120	64	309	298	139	234	39	0	0	0
Grande Prairie	1,032	252	468	211	22	587	195	2	0	0
High Level	874	189	291	116	0	30	34	4	0	0
Îles-de-la-Madeleine	36	36	12	87	157	79	0	0	0	0
Inuvik/Mike Zubko	572	57	958	11	58	72	112	7	0	0
Iqaluit	150	29	824	209	206	486	304	22	0	49
Kamloops	878	161	333	332	136	604	126	2	0	0
Kenora	342	51	649	34	43	11	0	12	0	0
Kingston	1,317	107	130	310	105	7	0	2	0	0
Kuujjuaq	240	7	708	0	110	46	94	0	0	16
La Grande Rivière	102	61	188	14	111	391	30	0	0	0
La Ronge	169	317	758	62	218	484	0	0	0	0
Lethbridge	951	287	405	251	69	41	0	2	0	0
Lloydminster	515	62	88	93	4	0	0	0	0	0
Medicine Hat	692	60	269	276	7	4	0	0	0	0
Mont-Joli	111	35	146	94	75	35	0	0	0	0
Montréal/Mirabel International	900	168	24	114	37	121	34	5	293	123
Nanaimo	1,588	581	101	120	50	386	0	0	0	0
Norman Wells	666	207	297	12	14	39	210	30	0	0
North Bay	777	224	287	75	178	118	2	22	0	0
Ottawa/Gatineau	1,625	290	104	21	11	2	0	0	0	0
Peace River	550	84	339	18	12	2	0	2	0	0
Penticton	1,173	143	202	123	18	201	59	0	0	0
Port Hardy	157	354	512	119	298	20	4	0	0	0
Prince Albert	229	107	352	305	353	456	0	4	0	0
Prince Rupert	39	134	27	34	71	146	0	0	0	0
Rankin Inlet	171	78	285	167	175	185	133	0	0	0
Red Deer Regional	2,830	156	209	120	24	19	33	11	0	0
Rouyn-Noranda	411	17	332	0	188	159	53	6	0	0
Saint John	247	172	187	245	207	386	68	0	0	0
Sept-Îles	722	285	574	347	511	37	0	4	0	0
Sioux Lookout	123	417	1,125	670	0	2	0	0	0	0
Smithers	498	95	127	261	64	160	24	0	0	0
St Catharines	1,535	129	48	13	4	2	1	2	0	0
Sudbury	453	505	1,302	101	289	278	3	2	0	0
Terrace	354	110	130	165	123	196	16	0	0	0
Thompson	285	687	1,530	28	180	799	0	27	0	0
Timmins	202	295	978	89	452	109	0	0	0	0
Val-d'Or	382	58	311	62	257	181	11	0	0	42
Victoria Harbour	59	2,205	1,040	3	11	0	0	0	0	0
Wabush	57	88	234	105	310	16	0	0	0	0
Whitecourt	640	35	44	84	12	4	2	0	0	0
Williams Lake	860	115	366	417	44	84	119	0	0	0
Total of all flight service stations (51)	**32,642**	**10,406**	**18,691**	**7,780**	**6,864**	**8,671**	**2,111**	**196**	**295**	**230**

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	4,258	507	2,085	502	1,069	85	10
Transborder	90	3	5	2	80	0	0
Other international	14	0	4	1	7	2	0
Total	**4,362**	**510**	**2,094**	**505**	**1,156**	**87**	**10**
Boundary Bay							
Domestic	9,163	15	1,508	5,798	1,799	29	14
Transborder	143	0	23	22	94	0	4
Other international	6	0	1	0	5	0	0
Total	**9,312**	**15**	**1,532**	**5,820**	**1,898**	**29**	**18**
Calgary International							
Domestic	16,797	14,287	817	445	975	150	123
Transborder	3,507	3,083	49	1	365	0	9
Other international	721	674	10	4	22	0	11
Total	**21,025**	**18,044**	**876**	**450**	**1,362**	**150**	**143**
Calgary/Springbank							
Domestic	4,990	65	590	2,772	1,527	32	4
Transborder	110	4	4	8	94	0	0
Other international	72	1	15	8	48	0	0
Total	**5,172**	**70**	**609**	**2,788**	**1,669**	**32**	**4**
Chicoutimi/St-Honoré							
Domestic	2,296	1,522	107	366	296	4	1
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	**2,297**	**1,523**	**107**	**366**	**296**	**4**	**1**
Edmonton City Centre							
Domestic	5,152	1,630	536	1,736	848	375	27
Transborder	25	5	0	0	19	0	1
Other international	93	2	18	15	52	3	3
Total	**5,270**	**1,637**	**554**	**1,751**	**919**	**378**	**31**
Edmonton International							
Domestic	9,267	8,514	244	65	413	6	25
Transborder	1,283	1,216	5	4	56	0	2
Other international	140	108	16	2	13	0	1
Total	**10,690**	**9,838**	**265**	**71**	**482**	**6**	**28**
Edmonton/Villeneuve							
Domestic	1,314	9	106	782	407	10	0
Transborder	2	0	0	1	1	0	0
Other international	12	0	1	1	10	0	0
Total	**1,328**	**9**	**107**	**784**	**418**	**10**	**0**
Fort McMurray							
Domestic	5,175	1,696	2,795	238	429	15	2
Transborder	8	2	1	0	5	0	0
Other international	348	19	302	0	27	0	0
Total	**5,531**	**1,717**	**3,098**	**238**	**461**	**15**	**2**
Fredericton International							
Domestic	4,901	941	3,641	4	175	80	60
Transborder	53	10	0	0	39	2	2
Other international	1	0	0	0	0	0	1
Total	**4,955**	**951**	**3,641**	**4**	**214**	**82**	**63**
Gander International							
Domestic	3,004	449	2,048	12	126	213	156
Transborder	303	77	0	11	145	0	70
Other international	345	92	2	15	158	3	75
Total	**3,652**	**618**	**2,050**	**38**	**429**	**216**	**301**

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	6,520	5,608	516	41	256	40	59
Transborder	1,141	1,035	4	0	84	0	18
Other international	212	180	0	0	15	0	17
Total	**7,873**	**6,823**	**520**	**41**	**355**	**40**	**94**
Hamilton							
Domestic	2,923	1,412	491	49	562	394	15
Transborder	585	435	19	2	115	14	0
Other international	22	14	4	0	2	2	0
Total	**3,530**	**1,861**	**514**	**51**	**679**	**410**	**15**
Kelowna							
Domestic	4,605	2,867	390	259	988	86	15
Transborder	273	171	5	0	95	0	2
Other international	4	0	1	0	2	1	0
Total	**4,882**	**3,038**	**396**	**259**	**1,085**	**87**	**17**
Kitchener/Waterloo							
Domestic	4,585	279	3,229	85	988	2	2
Transborder	176	43	22	3	108	0	0
Other international	16	0	4	1	11	0	0
Total	**4,777**	**322**	**3,255**	**89**	**1,107**	**2**	**2**
Langley							
Domestic	4,260	103	279	2,314	1,549	13	2
Transborder	35	0	1	2	32	0	0
Other international	5	0	0	1	3	1	0
Total	**4,300**	**103**	**280**	**2,317**	**1,584**	**14**	**2**
London							
Domestic	6,505	1,172	1,397	2,822	1,044	59	11
Transborder	437	327	2	3	103	0	2
Other international	11	0	2	1	8	0	0
Total	**6,953**	**1,499**	**1,401**	**2,826**	**1,155**	**59**	**13**
Moncton/Greater Moncton International							
Domestic	7,110	1,742	4,942	6	226	180	14
Transborder	106	70	0	0	35	1	0
Other international	3	2	0	0	1	0	0
Total	**7,219**	**1,814**	**4,942**	**6**	**262**	**181**	**14**
Montréal/Pierre Elliott Trudeau International							
Domestic	10,421	8,837	730	45	589	202	18
Transborder	6,151	5,593	127	9	421	0	1
Other international	2,588	2,440	18	14	108	3	5
Total	**19,160**	**16,870**	**875**	**68**	**1,118**	**205**	**24**
Montréal/St-Hubert							
Domestic	7,614	3,640	733	2,007	1,063	86	85
Transborder	149	22	3	7	117	0	0
Other international	41	4	7	4	25	1	0
Total	**7,804**	**3,666**	**743**	**2,018**	**1,205**	**87**	**85**
Oshawa							
Domestic	3,370	48	136	2,430	684	68	4
Transborder	28	2	0	1	25	0	0
Other international	24	0	0	1	23	0	0
Total	**3,422**	**50**	**136**	**2,432**	**732**	**68**	**4**
Ottawa/Macdonald-Cartier International							
Domestic	9,519	5,676	434	2,493	375	353	188
Transborder	1,995	1,853	23	9	94	8	8
Other international	151	138	2	0	7	1	3
Total	**11,665**	**7,667**	**459**	**2,502**	**476**	**362**	**199**

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	4,959	14	1,449	1,622	1,838	34	2
Transborder	46	0	0	0	46	0	0
Other international	3	0	0	0	2	1	0
Total	**5,008**	**14**	**1,449**	**1,622**	**1,886**	**35**	**2**
Prince George							
Domestic	3,015	1,273	1,068	43	528	83	20
Transborder	42	4	0	0	37	1	0
Other international	2	0	0	0	2	0	0
Total	**3,059**	**1,277**	**1,068**	**43**	**567**	**84**	**20**
Québec/Jean Lesage International							
Domestic	7,671	3,295	2,309	356	1,329	325	57
Transborder	722	608	9	0	102	0	3
Other international	95	75	2	0	12	0	6
Total	**8,488**	**3,978**	**2,320**	**356**	**1,443**	**325**	**66**
Regina International							
Domestic	3,785	1,965	915	51	568	163	123
Transborder	537	440	3	1	89	2	2
Other international	2	0	1	0	1	0	0
Total	**4,324**	**2,405**	**919**	**52**	**658**	**165**	**125**
Saskatoon/John G Diefenbaker International							
Domestic	5,355	2,962	809	460	683	353	88
Transborder	427	367	7	4	49	0	0
Other international	0	0	0	0	0	0	0
Total	**5,782**	**3,329**	**816**	**464**	**732**	**353**	**88**
Sault Ste. Marie							
Domestic	2,152	850	87	930	237	35	13
Transborder	68	3	4	5	55	0	1
Other international	2	0	0	0	2	0	0
Total	**2,222**	**853**	**91**	**935**	**294**	**35**	**14**
St. John's International							
Domestic	3,669	2,288	878	10	255	158	80
Transborder	194	70	1	1	45	0	77
Other international	314	121	23	9	61	4	96
Total	**4,177**	**2,479**	**902**	**20**	**361**	**162**	**253**
St-Jean							
Domestic	6,071	204	303	137	2,553	28	2,846
Transborder	4	0	0	0	3	0	1
Other international	2	0	0	0	2	0	0
Total	**6,077**	**204**	**303**	**137**	**2,558**	**28**	**2,847**
Thunder Bay							
Domestic	4,390	2,859	559	430	348	141	53
Transborder	187	118	5	1	63	0	0
Other international	4	3	0	1	0	0	0
Total	**4,581**	**2,980**	**564**	**432**	**411**	**141**	**53**
Toronto/Billy Bishop Toronto City							
Domestic	7,443	2,217	2,164	2,360	680	10	12
Transborder	1,274	1,087	18	3	166	0	0
Other international	23	0	7	2	13	0	1
Total	**8,740**	**3,304**	**2,189**	**2,365**	**859**	**10**	**13**
Toronto/Buttonville Municipal							
Domestic	7,071	303	3,312	162	3,267	27	0
Transborder	102	10	13	1	78	0	0
Other international	17	0	4	0	13	0	0
Total	**7,190**	**313**	**3,329**	**163**	**3,358**	**27**	**0**

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	16,209	15,491	321	9	357	12	19
Transborder	15,359	14,509	184	4	660	0	2
Other international	5,000	4,934	29	2	31	0	4
Total	**36,568**	**34,934**	**534**	**15**	**1,048**	**12**	**25**
Vancouver Harbour							
Domestic	5,010	4,312	607	6	82	3	0
Transborder	15	1	0	0	14	0	0
Other international	9	3	2	0	2	2	0
Total	**5,034**	**4,316**	**609**	**6**	**98**	**5**	**0**
Vancouver International							
Domestic	21,286	17,937	2,101	200	752	278	18
Transborder	5,509	5,019	17	11	455	4	3
Other international	1,777	1,633	12	0	22	110	0
Total	**28,572**	**24,589**	**2,130**	**211**	**1,229**	**392**	**21**
Victoria International							
Domestic	8,961	3,048	3,340	701	1,722	68	82
Transborder	828	449	19	5	351	0	4
Other international	47	1	5	4	33	4	0
Total	**9,836**	**3,498**	**3,364**	**710**	**2,106**	**72**	**86**
Whitehorse International							
Domestic	3,368	1,081	974	116	1,125	60	12
Transborder	195	19	9	0	156	0	11
Other international	13	9	1	1	2	0	0
Total	**3,576**	**1,109**	**984**	**117**	**1,283**	**60**	**23**
Windsor							
Domestic	2,150	551	1,243	46	304	6	0
Transborder	92	16	14	1	61	0	0
Other international	9	8	0	0	1	0	0
Total	**2,251**	**575**	**1,257**	**47**	**366**	**6**	**0**
Winnipeg/James Armstrong Richardson International							
Domestic	10,019	8,624	422	69	327	274	303
Transborder	1,228	1,065	23	6	120	5	9
Other international	17	13	1	0	2	0	1
Total	**11,264**	**9,702**	**446**	**75**	**449**	**279**	**313**
Winnipeg/St. Andrews							
Domestic	4,941	610	2,435	1,471	409	2	14
Transborder	9	0	2	3	4	0	0
Other international	7	1	2	1	3	0	0
Total	**4,957**	**611**	**2,439**	**1,475**	**416**	**2**	**14**
Yellowknife							
Domestic	3,898	3,073	375	18	209	141	82
Transborder	9	7	0	0	1	0	1
Other international	301	171	96	2	8	13	11
Total	**4,208**	**3,251**	**471**	**20**	**218**	**154**	**94**
Total of NAV CANADA towers (42)							
Domestic	265,172	133,976	53,425	34,468	33,961	4,683	4,659
Transborder	43,447	37,743	621	131	4,682	37	233
Other international	12,474	10,647	592	90	759	151	235
Total	**321,093**	**182,366**	**54,638**	**34,689**	**39,402**	**4,871**	**5,127**

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	1,180	132	380	95	385	10	178
Transborder	30	1	1	2	25	0	1
Other international	0	0	0	0	0	0	0
Total	**1,210**	**133**	**381**	**97**	**410**	**10**	**179**
Campbell River							
Domestic	2,799	615	1,065	444	624	45	6
Transborder	165	4	2	0	159	0	0
Other international	0	0	0	0	0	0	0
Total	**2,964**	**619**	**1,067**	**444**	**783**	**45**	**6**
Castlegar							
Domestic	724	318	211	39	124	12	20
Transborder	18	0	0	0	18	0	0
Other international	0	0	0	0	0	0	0
Total	**742**	**318**	**211**	**39**	**142**	**12**	**20**
Charlottetown							
Domestic	1,848	959	308	267	254	26	34
Transborder	129	70	0	0	59	0	0
Other international	2	0	0	0	2	0	0
Total	**1,979**	**1,029**	**308**	**267**	**315**	**26**	**34**
Churchill							
Domestic	883	789	28	2	51	13	0
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**887**	**790**	**28**	**2**	**54**	**13**	**0**
Cranbrook							
Domestic	1,182	582	155	21	386	24	14
Transborder	38	2	1	0	35	0	0
Other international	0	0	0	0	0	0	0
Total	**1,220**	**584**	**156**	**21**	**421**	**24**	**14**
Deer Lake							
Domestic	1,496	1,108	222	51	36	71	8
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,497**	**1,109**	**222**	**51**	**36**	**71**	**8**
Fort Nelson							
Domestic	2,451	376	1,586	13	421	8	47
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**2,451**	**376**	**1,586**	**13**	**421**	**8**	**47**
Fort St John							
Domestic	2,202	732	944	11	437	2	76
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**2,203**	**732**	**944**	**11**	**438**	**2**	**76**
Grande Prairie							
Domestic	2,764	1,285	806	140	500	24	9
Transborder	5	3	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,769**	**1,288**	**806**	**140**	**502**	**24**	**9**
High Level							
Domestic	1,538	370	953	10	113	9	83
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,538**	**370**	**953**	**10**	**113**	**9**	**83**

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	397	303	12	0	36	46	0
Transborder	10	1	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	**407**	**304**	**12**	**0**	**45**	**46**	**0**
Inuvik/Mike Zubko							
Domestic	1,836	1,375	354	4	39	41	23
Transborder	11	6	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**1,847**	**1,381**	**355**	**4**	**43**	**41**	**23**
Iqaluit							
Domestic	2,147	1,699	328	6	39	62	13
Transborder	58	32	9	0	16	0	1
Other international	74	33	3	4	32	0	2
Total	**2,279**	**1,764**	**340**	**10**	**87**	**62**	**16**
Kamloops							
Domestic	2,552	946	753	162	619	62	10
Transborder	20	0	1	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	**2,572**	**946**	**754**	**162**	**638**	**62**	**10**
Kenora							
Domestic	1,020	369	351	40	173	36	51
Transborder	122	22	1	4	95	0	0
Other international	0	0	0	0	0	0	0
Total	**1,142**	**391**	**352**	**44**	**268**	**36**	**51**
Kingston							
Domestic	1,915	451	419	415	589	26	15
Transborder	62	0	0	0	58	0	4
Other international	1	0	0	0	1	0	0
Total	**1,978**	**451**	**419**	**415**	**648**	**26**	**19**
Kuujjuaq							
Domestic	1,218	917	232	8	43	18	0
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	**1,221**	**917**	**232**	**8**	**46**	**18**	**0**
La Grande Rivière							
Domestic	897	596	199	18	68	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**897**	**596**	**199**	**18**	**68**	**16**	**0**
La Ronge							
Domestic	2,005	1,055	389	4	91	466	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**2,008**	**1,055**	**389**	**4**	**94**	**466**	**0**
Lethbridge							
Domestic	1,835	380	117	659	622	16	41
Transborder	171	0	1	4	164	0	2
Other international	0	0	0	0	0	0	0
Total	**2,006**	**380**	**118**	**663**	**786**	**16**	**43**
Lloydminster							
Domestic	762	108	293	27	315	17	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**762**	**108**	**293**	**27**	**315**	**17**	**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						
Medicine Hat							
Domestic	1,299	527	333	40	345	14	40
Transborder	9	0	0	1	4	0	4
Other international	0	0	0	0	0	0	0
Total	**1,308**	**527**	**333**	**41**	**349**	**14**	**44**
Mont-Joli							
Domestic	494	273	78	10	107	18	8
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**496**	**274**	**78**	**10**	**108**	**18**	**8**
Montréal/Mirabel International							
Domestic	1,631	560	489	183	375	4	20
Transborder	186	169	1	1	15	0	0
Other international	2	2	0	0	0	0	0
Total	**1,819**	**731**	**490**	**184**	**390**	**4**	**20**
Nanaimo							
Domestic	2,680	536	833	154	1,044	112	1
Transborder	145	7	0	0	137	0	1
Other international	1	0	0	0	1	0	0
Total	**2,826**	**543**	**833**	**154**	**1,182**	**112**	**2**
Norman Wells							
Domestic	1,475	900	450	9	39	35	42
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,475**	**900**	**450**	**9**	**39**	**35**	**42**
North Bay							
Domestic	1,579	554	377	89	415	95	49
Transborder	103	12	7	0	82	1	1
Other international	1	0	0	0	1	0	0
Total	**1,683**	**566**	**384**	**89**	**498**	**96**	**50**
Ottawa/Gatineau							
Domestic	2,043	192	454	394	904	92	7
Transborder	10	1	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	**2,053**	**193**	**455**	**394**	**912**	**92**	**7**
Peace River							
Domestic	1,007	309	440	21	201	24	12
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,007**	**309**	**440**	**21**	**201**	**24**	**12**
Penticton							
Domestic	1,872	355	837	127	513	0	40
Transborder	47	4	1	0	42	0	0
Other international	0	0	0	0	0	0	0
Total	**1,919**	**359**	**838**	**127**	**555**	**0**	**40**
Port Hardy							
Domestic	1,392	1,080	89	16	78	110	19
Transborder	72	0	0	0	62	0	10
Other international	0	0	0	0	0	0	0
Total	**1,464**	**1,080**	**89**	**16**	**140**	**110**	**29**
Prince Albert							
Domestic	1,804	1,324	124	12	172	134	38
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,806**	**1,324**	**124**	**12**	**174**	**134**	**38**

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	425	280	55	3	67	18	2
Transborder	25	2	1	1	21	0	0
Other international	1	0	0	0	1	0	0
Total	**451**	**282**	**56**	**4**	**89**	**18**	**2**
Rankin Inlet							
Domestic	1,192	972	206	2	9	3	0
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,194**	**974**	**206**	**2**	**9**	**3**	**0**
Red Deer Regional							
Domestic	3,392	262	1,989	184	866	15	76
Transborder	10	1	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	**3,402**	**263**	**1,990**	**184**	**874**	**15**	**76**
Rouyn-Noranda							
Domestic	1,166	519	150	274	185	32	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,166**	**519**	**150**	**274**	**185**	**32**	**6**
Saint John							
Domestic	1,406	843	165	8	358	13	19
Transborder	104	4	0	0	100	0	0
Other international	2	0	0	0	2	0	0
Total	**1,512**	**847**	**165**	**8**	**460**	**13**	**19**
Sept-Îles							
Domestic	2,462	1,302	817	31	202	102	8
Transborder	15	3	1	3	8	0	0
Other international	3	1	1	0	1	0	0
Total	**2,480**	**1,306**	**819**	**34**	**211**	**102**	**8**
Sioux Lookout							
Domestic	2,301	1,738	428	12	97	22	4
Transborder	36	0	5	0	31	0	0
Other international	0	0	0	0	0	0	0
Total	**2,337**	**1,738**	**433**	**12**	**128**	**22**	**4**
Smithers							
Domestic	1,221	422	411	21	343	20	4
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	**1,229**	**422**	**411**	**21**	**351**	**20**	**4**
St Catharines							
Domestic	1,628	25	1,035	61	487	16	4
Transborder	106	3	15	0	88	0	0
Other international	0	0	0	0	0	0	0
Total	**1,734**	**28**	**1,050**	**61**	**575**	**16**	**4**
Sudbury							
Domestic	2,888	1,461	694	70	355	288	20
Transborder	36	2	2	1	31	0	0
Other international	9	0	3	0	4	2	0
Total	**2,933**	**1,463**	**699**	**71**	**390**	**290**	**20**
Terrace							
Domestic	1,092	574	407	2	76	29	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,094**	**574**	**407**	**2**	**78**	**29**	**4**

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	3,530	2,492	564	27	96	347	4
Transborder	5	1	0	0	4	0	0
Other international	1	1	0	0	0	0	0
Total	**3,536**	**2,494**	**564**	**27**	**100**	**347**	**4**
Timmins							
Domestic	2,121	1,457	331	6	175	152	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**2,125**	**1,457**	**331**	**6**	**179**	**152**	**0**
Val-d'Or							
Domestic	1,302	758	227	23	216	76	2
Transborder	1	0	0	0	1	0	0
Other international	1	0	1	0	0	0	0
Total	**1,304**	**758**	**228**	**23**	**217**	**76**	**2**
Victoria Harbour							
Domestic	2,874	2,665	20	0	69	109	11
Transborder	444	0	0	0	444	0	0
Other international	0	0	0	0	0	0	0
Total	**3,318**	**2,665**	**20**	**0**	**513**	**109**	**11**
Wabush							
Domestic	810	603	78	34	69	26	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**810**	**603**	**78**	**34**	**69**	**26**	**0**
Whitecourt							
Domestic	819	32	543	84	147	11	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**821**	**32**	**543**	**84**	**149**	**11**	**2**
Williams Lake							
Domestic	2,001	409	1,249	55	262	12	14
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**2,005**	**409**	**1,249**	**55**	**266**	**12**	**14**
Total of all flight service stations (51)							
Domestic	85,557	38,889	23,978	4,388	14,237	2,979	1,086
Transborder	2,230	355	52	17	1,781	1	24
Other international	99	37	8	4	46	2	2
Total	**87,886**	**39,281**	**24,038**	**4,409**	**16,064**	**2,982**	**1,112**

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	24	7,718	26	14	82	8	397
Boundary Bay	3	22,363	23	17	122	27	1,041
Calgary International	5	21,242	17	11	78	15	823
Calgary/Springbank	12	13,177	8	15	110	8	665
Chicoutimi/St-Honoré	29	6,387	7	15	83	14	541
Edmonton City Centre	32	6,095	21	15	41	8	305
Edmonton International	18	10,874	28	11	56	29	446
Edmonton/Villeneuve	28	6,924	8	11	298	8	636
Fort McMurray	31	6,153	22	17	40	22	315
Fredericton International	19	10,788	23	16	62	30	555
Gander International	34	5,046	2	15	82	14	404
Halifax/Robert L Stanfield International	22	8,301	13	19	58	28	358
Hamilton	37	4,757	27	12	49	22	264
Kelowna	25	7,363	15	9	86	27	365
Kitchener/Waterloo	20	10,103	14	14	69	10	490
Langley	21	8,977	24	15	70	14	432
London	8	16,163	5	9	94	29	800
Moncton/Greater Moncton International	14	12,945	7	19	64	7	705
Montréal/Pierre Elliott Trudeau International	6	19,193	12	18	60	15	696
Montréal/St-Hubert	7	17,126	14	22	131	2	1,185
Oshawa	26	7,300	6	8	86	5	572
Ottawa/Macdonald-Cartier International	9	15,756	7	11	84	22	735
Pitt Meadows	16	12,430	9	11	82	14	662
Prince George	40	4,134	18	11	40	6	248
Québec/Jean Lesage International	15	12,687	14	10	80	2	606
Regina International	30	6,212	15	18	45	21	329
Saskatoon/John G Diefenbaker International	23	8,093	22	13	51	22	450
Sault Ste. Marie	42	4,098	3	9	54	27	273
St. John's International	39	4,587	29	11	45	29	267
St-Jean	27	6,981	27	18	89	27	911
Thunder Bay	33	5,807	9	9	60	13	326
Toronto/Billy Bishop Toronto City	13	13,167	13	14	126	13	661
Toronto/Buttonville Municipal	4	21,623	10	13	136	22	1,180
Toronto/Lester B Pearson International	1	36,668	11	18	108	22	1,322
Vancouver Harbour	35	5,036	16	16	27	16	218
Vancouver International	2	28,636	30	16	93	30	1,037
Victoria International	10	15,023	20	16	81	15	646
Whitehorse International	38	4,606	20	8	44	21	273
Windsor	41	4,105	6	10	51	6	316
Winnipeg/James Armstrong Richardson International	17	12,323	29	9	52	14	512
Winnipeg/St. Andrews	11	14,337	21	20	103	12	862
Yellowknife	36	4,787	8	16	42	8	249

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	23	2,156	13	10	43	23	146
Campbell River	2	7,163	17	12	129	17	655
Castlegar	47	900	13	11	21	16	52
Charlottetown	18	2,545	8	11	27	5	151
Churchill	45	925	30	21	13	20	56
Cranbrook	32	1,572	13	15	27	13	84
Deer Lake	33	1,521	25	9	14	5	70
Fort Nelson	20	2,507	17	9	22	20	134
Fort St John	15	2,799	15	11	26	7	158
Grande Prairie	8	3,575	21	9	48	9	212
High Level	31	1,596	22	15	24	23	128
Îles-de-la-Madeleine	51	429	8	11	14	8	43
Inuvik/Mike Zubko	26	1,951	8	17	15	21	106
Iqaluit	19	2,521	11	15	29	28	169
Kamloops	4	4,292	3	10	46	7	243
Kenora	38	1,308	29	20	26	29	84
Kingston	6	4,016	20	17	55	3	218
Kuujjuaq	40	1,229	10	14	9	23	61
La Grande Rivière	46	905	27	11	14	27	56
La Ronge	22	2,200	1	16	28	8	122
Lethbridge	9	3,528	25	17	72	25	409
Lloydminster	43	1,138	11	11	25	15	75
Medicine Hat	27	1,928	26	11	56	26	428
Mont-Joli	50	514	19	14	16	20	37
Montréal/Mirabel International	12	3,219	8	10	63	2	259
Nanaimo	5	4,020	6	14	72	6	270
Norman Wells	34	1,515	29	8	15	26	82
North Bay	14	2,989	13	14	60	13	197
Ottawa/Gatineau	3	5,460	31	14	68	31	380
Peace River	44	1,127	28	9	17	28	83
Penticton	17	2,643	21	9	45	21	172
Port Hardy	35	1,474	21	14	13	21	72
Prince Albert	28	1,862	1	13	19	20	92
Prince Rupert	49	531	9	12	15	9	44
Rankin Inlet	41	1,198	8	13	14	23	75
Red Deer Regional	1	8,672	23	16	85	17	603
Rouyn-Noranda	30	1,740	22	14	25	22	134
Saint John	29	1,758	30	20	16	23	96
Sept-Îles	16	2,780	23	11	26	23	144
Sioux Lookout	21	2,377	9	23	21	9	115
Smithers	39	1,231	17	10	23	17	87
St Catharines	13	3,004	3	11	34	31	175
Sudbury	10	3,519	14	11	63	14	210
Terrace	42	1,160	7	14	26	7	77
Thompson	7	3,594	9	21	22	23	156
Timmins	24	2,141	16	18	17	7	117
Val-d'Or	36	1,472	20	13	27	20	119
Victoria Harbour	11	3,318	29	8	22	14	145
Wabush	48	850	21	13	17	27	46
Whitecourt	37	1,391	27	10	37	27	125
Williams Lake	25	2,095	31	11	31	31	260

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	4,362	24	9	29	9	217
Boundary Bay	9	9,312	14	15	48	15	422
Calgary International	3	21,025	27	18	59	15	811
Calgary/Springbank	21	5,172	17	11	39	17	288
Chicoutimi/St-Honoré	39	2,297	14	18	17	2	121
Edmonton City Centre	20	5,270	21	8	30	23	258
Edmonton International	7	10,690	28	11	42	29	438
Edmonton/Villeneuve	42	1,328	1	13	14	27	70
Fort McMurray	19	5,531	22	17	32	22	293
Fredericton International	25	4,955	15	19	22	30	242
Gander International	34	3,652	2	15	50	14	250
Halifax/Robert L Stanfield International	12	7,873	13	19	32	28	304
Hamilton	36	3,530	27	12	27	22	190
Kelowna	26	4,882	10	10	26	9	192
Kitchener/Waterloo	27	4,777	1	10	32	29	241
Langley	31	4,300	17	16	28	17	193
London	16	6,953	16	11	34	29	337
Moncton/Greater Moncton International	14	7,219	13	11	29	28	364
Montréal/Pierre Elliott Trudeau International	4	19,160	20	18	57	15	696
Montréal/St-Hubert	13	7,804	27	12	49	2	491
Oshawa	37	3,422	10	13	26	22	185
Ottawa/Macdonald-Cartier International	5	11,665	15	13	43	22	482
Pitt Meadows	23	5,008	6	16	29	14	228
Prince George	38	3,059	28	16	27	28	184
Québec/Jean Lesage International	11	8,488	21	11	40	23	367
Regina International	30	4,324	7	10	19	28	187
Saskatoon/John G Diefenbaker International	18	5,782	7	14	26	22	264
Sault Ste. Marie	41	2,222	29	14	23	29	143
St. John's International	33	4,177	20	17	30	29	203
St-Jean	17	6,077	27	10	83	27	857
Thunder Bay	28	4,581	15	11	24	15	203
Toronto/Billy Bishop Toronto City	10	8,740	13	14	68	2	438
Toronto/Buttonville Municipal	15	7,190	22	14	48	22	423
Toronto/Lester B Pearson International	1	36,568	11	18	106	22	1,320
Vancouver Harbour	22	5,034	16	16	27	16	218
Vancouver International	2	28,572	30	16	93	30	1,037
Victoria International	8	9,836	21	18	45	15	392
Whitehorse International	35	3,576	20	8	44	20	258
Windsor	40	2,251	10	10	18	1	109
Winnipeg/James Armstrong Richardson International	6	11,264	8	17	38	14	449
Winnipeg/St. Andrews	24	4,957	21	13	35	21	280
Yellowknife	32	4,208	8	16	26	21	198

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	37	1,210	15	11	21	15	74
Campbell River	4	2,964	17	13	22	29	161
Castlegar	48	742	27	9	11	30	35
Charlottetown	19	1,979	8	11	13	16	95
Churchill	44	887	20	11	9	7	47
Cranbrook	36	1,220	25	18	12	8	55
Deer Lake	29	1,497	5	18	11	5	70
Fort Nelson	10	2,451	17	9	22	20	134
Fort St John	13	2,203	27	10	20	7	110
Grande Prairie	7	2,769	9	10	28	9	148
High Level	27	1,538	22	15	24	23	128
Îles-de-la-Madeleine	51	407	8	13	7	8	21
Inuvik/Mike Zubko	22	1,847	28	14	15	21	86
Iqaluit	12	2,279	19	14	17	15	105
Kamloops	8	2,572	29	15	21	28	189
Kenora	40	1,142	12	11	10	28	66
Kingston	20	1,978	3	11	16	27	101
Kuujjuaq	35	1,221	16	13	8	23	59
La Grande Rivière	43	897	27	11	14	27	56
La Ronge	16	2,008	1	16	18	8	112
Lethbridge	17	2,006	25	17	32	25	153
Lloydminster	47	762	15	16	8	22	48
Medicine Hat	32	1,308	15	17	17	26	146
Mont-Joli	49	496	20	15	8	20	37
Montréal/Mirabel International	23	1,819	1	12	15	15	98
Nanaimo	6	2,826	6	15	25	6	132
Norman Wells	30	1,475	29	8	15	26	80
North Bay	26	1,683	30	11	16	30	93
Ottawa/Gatineau	15	2,053	4	16	38	4	139
Peace River	42	1,007	28	9	13	28	77
Penticton	21	1,919	30	17	17	30	107
Port Hardy	31	1,464	21	14	13	21	72
Prince Albert	24	1,806	20	9	16	14	91
Prince Rupert	50	451	2	14	7	9	29
Rankin Inlet	38	1,194	8	13	14	23	75
Red Deer Regional	2	3,402	24	10	24	15	184
Rouyn-Noranda	39	1,166	22	20	10	22	74
Saint John	28	1,512	2	17	10	23	71
Sept-Îles	9	2,480	15	16	17	15	128
Sioux Lookout	11	2,337	28	8	16	28	102
Smithers	34	1,229	17	10	23	17	87
St Catharines	25	1,734	11	18	18	2	92
Sudbury	5	2,933	5	9	18	30	132
Terrace	41	1,094	7	15	13	30	65
Thompson	1	3,536	12	17	20	23	156
Timmins	14	2,125	16	18	17	7	113
Val-d'Or	33	1,304	11	19	9	14	70
Victoria Harbour	3	3,318	29	8	22	14	145
Wabush	46	810	15	10	10	27	46
Whitecourt	45	821	2	12	9	15	49
Williams Lake	18	2,005	31	11	31	31	260

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	19	3,356	5	11	59	8	226
Boundary Bay	2	13,051	13	13	92	13	654
Calgary International	37	217	17	11	22	17	50
Calgary/Springbank	6	8,005	8	15	83	8	428
Chicoutimi/St-Honoré	17	4,090	7	15	74	14	420
Edmonton City Centre	32	825	29	9	22	2	64
Edmonton International	38	184	28	11	14	28	26
Edmonton/Villeneuve	10	5,596	8	11	290	8	568
Fort McMurray	33	622	21	16	18	17	42
Fredericton International	8	5,833	23	16	44	24	328
Gander International	25	1,394	2	15	32	14	154
Halifax/Robert L Stanfield International	35	428	13	19	26	28	54
Hamilton	26	1,227	27	12	22	22	74
Kelowna	20	2,481	15	9	72	27	178
Kitchener/Waterloo	11	5,326	13	14	50	7	290
Langley	13	4,677	24	15	52	14	251
London	5	9,210	5	9	78	30	470
Moncton/Greater Moncton International	9	5,726	18	13	44	7	394
Montréal/Pierre Elliott Trudeau International	41	33	12	18	4	7	4
Montréal/St-Hubert	4	9,322	14	22	110	2	694
Oshawa	18	3,878	6	8	68	5	419
Ottawa/Macdonald-Cartier International	16	4,091	22	19	50	22	253
Pitt Meadows	7	7,422	9	11	67	14	434
Prince George	28	1,075	18	11	38	3	118
Québec/Jean Lesage International	15	4,199	5	10	52	6	244
Regina International	22	1,888	21	11	30	21	152
Saskatoon/John G Diefenbaker International	21	2,311	21	9	32	22	186
Sault Ste. Marie	23	1,876	3	9	50	27	168
St. John's International	36	410	22	12	18	29	64
St-Jean	31	904	24	19	36	29	86
Thunder Bay	27	1,226	9	9	42	13	134
Toronto/Billy Bishop Toronto City	14	4,427	30	9	66	13	240
Toronto/Buttonville Municipal	1	14,433	10	13	96	10	805
Toronto/Lester B Pearson International	39	100	21	10	8	11	12
Vancouver Harbour	42	2	19	19	2	19	2
Vancouver International	40	64	3	13	10	3	24
Victoria International	12	5,187	13	12	50	12	292
Whitehorse International	30	1,030	2	14	28	2	122
Windsor	24	1,854	6	10	42	6	218
Winnipeg/James Armstrong Richardson International	29	1,059	21	10	28	21	70
Winnipeg/St. Andrews	3	9,380	21	20	84	12	604
Yellowknife	34	579	22	13	24	8	82

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	946	13	10	38	19	84
Campbell River	2	4,199	17	12	120	17	509
Castlegar	28	158	10	8	18	16	30
Charlottetown	19	566	5	15	18	5	78
Churchill	41	38	30	21	10	20	12
Cranbrook	21	352	13	15	26	13	38
Deer Lake	42	24	25	9	8	25	8
Fort Nelson	36	56	8	6	14	7	30
Fort St John	15	596	15	11	20	7	48
Grande Prairie	12	806	21	9	32	31	66
High Level	35	58	20	14	10	2	14
Îles-de-la-Madeleine	43	22	8	11	12	8	22
Inuvik/Mike Zubko	30	104	2	21	12	2	20
Iqaluit	24	242	11	15	18	28	86
Kamloops	5	1,720	3	10	38	6	158
Kenora	27	166	29	20	24	8	32
Kingston	4	2,038	20	17	48	7	144
Kuujjuaq	47	8	10	14	4	10	4
La Grande Rivière	48	8	7	20	4	7	4
La Ronge	25	192	26	7	14	1	30
Lethbridge	6	1,522	24	11	56	25	256
Lloydminster	20	376	11	11	24	5	38
Medicine Hat	14	620	26	11	46	26	282
Mont-Joli	44	18	19	14	16	19	18
Montréal/Mirabel International	7	1,400	8	10	58	8	192
Nanaimo	10	1,194	6	14	52	6	138
Norman Wells	39	40	2	16	8	2	12
North Bay	8	1,306	12	14	54	13	128
Ottawa/Gatineau	3	3,407	31	14	54	22	250
Peace River	29	120	22	9	12	14	22
Penticton	13	724	21	14	34	21	106
Port Hardy	46	10	10	10	8	10	8
Prince Albert	37	56	27	22	10	7	18
Prince Rupert	32	80	9	12	14	24	18
Rankin Inlet	49	4	16	9	4	16	4
Red Deer Regional	1	5,270	18	11	68	17	440
Rouyn-Noranda	17	574	22	14	22	22	60
Saint John	23	246	15	14	10	24	28
Sept-Îles	22	300	8	20	18	8	36
Sioux Lookout	38	40	9	23	20	9	22
Smithers	50	2	8	6	2	8	2
St Catharines	9	1,270	3	11	24	6	90
Sudbury	16	586	14	11	54	14	80
Terrace	33	66	7	14	20	7	20
Thompson	34	58	9	21	14	9	14
Timmins	45	16	30	11	8	30	8
Val-d'Or	26	168	20	13	24	20	58
Victoria Harbour	0	0	0	0	0	0	0
Wabush	40	40	11	13	12	11	12
Whitecourt	18	570	1	11	32	27	78
Williams Lake	31	90	6	16	10	5	22

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	19	3,356	5	11	59	8	226
Boundary Bay	2	13,051	13	13	92	13	654
Calgary International	37	217	17	11	22	17	50
Calgary/Springbank	6	8,005	8	15	83	8	428
Chicoutimi/St-Honoré	16	4,090	7	15	74	14	420
Edmonton City Centre	32	825	29	9	22	2	64
Edmonton International	38	184	28	11	14	28	26
Edmonton/Villeneuve	10	5,596	8	11	290	8	568
Fort McMurray	33	622	21	16	18	17	42
Fredericton International	8	5,833	23	16	44	24	328
Gander International	25	1,394	2	15	32	14	154
Halifax/Robert L Stanfield International	35	428	13	19	26	28	54
Hamilton	26	1,227	27	12	22	22	74
Kelowna	20	2,481	15	9	72	27	178
Kitchener/Waterloo	11	5,326	13	14	50	7	290
Langley	13	4,677	24	15	52	14	251
London	5	9,210	5	9	78	30	470
Moncton/Greater Moncton International	9	5,726	18	13	44	7	394
Montréal/Pierre Elliott Trudeau International	41	33	12	18	4	7	4
Montréal/St-Hubert	4	9,322	14	22	110	2	694
Oshawa	18	3,878	6	8	68	5	419
Ottawa/Macdonald-Cartier International	17	4,089	22	19	50	22	253
Pitt Meadows	7	7,422	9	11	67	14	434
Prince George	28	1,075	18	11	38	3	118
Québec/Jean Lesage International	15	4,199	5	10	52	6	244
Regina International	22	1,888	21	11	30	21	152
Saskatoon/John G Diefenbaker International	21	2,311	21	9	32	22	186
Sault Ste. Marie	23	1,872	3	9	50	27	168
St. John's International	36	410	22	12	18	29	64
St-Jean	31	904	24	19	36	29	86
Thunder Bay	27	1,226	9	9	42	13	134
Toronto/Billy Bishop Toronto City	14	4,427	30	9	66	13	240
Toronto/Buttonville Municipal	1	14,433	10	13	96	10	805
Toronto/Lester B Pearson International	39	100	21	10	8	11	12
Vancouver Harbour	42	2	19	19	2	19	2
Vancouver International	40	64	3	13	10	3	24
Victoria International	12	5,187	13	12	50	12	292
Whitehorse International	30	1,030	2	14	28	2	122
Windsor	24	1,854	6	10	42	6	218
Winnipeg/James Armstrong Richardson International	29	1,059	21	10	28	21	70
Winnipeg/St. Andrews	3	9,380	21	20	84	12	604
Yellowknife	34	579	22	13	24	8	82

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	924	13	10	38	19	78
Campbell River	2	4,199	17	12	120	17	509
Castlegar	27	158	10	8	18	16	30
Charlottetown	19	564	5	15	18	5	78
Churchill	41	38	30	21	10	20	12
Cranbrook	21	352	13	15	26	13	38
Deer Lake	42	24	25	9	8	25	8
Fort Nelson	36	56	8	6	14	7	30
Fort St John	15	596	15	11	20	7	48
Grande Prairie	12	806	21	9	32	31	66
High Level	34	58	20	14	10	2	14
Îles-de-la-Madeleine	43	22	8	11	12	8	22
Inuvik/Mike Zubko	30	100	2	21	12	2	20
Iqaluit	24	242	11	15	18	28	86
Kamloops	5	1,720	3	10	38	6	158
Kenora	29	102	29	20	24	29	24
Kingston	4	2,036	20	17	48	7	144
Kuujjuaq	47	8	10	14	4	10	4
La Grande Rivière	48	8	7	20	4	7	4
La Ronge	25	192	26	7	14	1	30
Lethbridge	6	1,478	24	11	56	25	256
Lloydminster	20	376	11	11	24	5	38
Medicine Hat	14	608	26	11	46	26	282
Mont-Joli	44	18	19	14	16	19	18
Montréal/Mirabel International	7	1,400	8	10	58	8	192
Nanaimo	10	1,194	6	14	52	6	138
Norman Wells	38	40	2	16	8	2	12
North Bay	8	1,278	12	14	54	13	128
Ottawa/Gatineau	3	3,407	31	14	54	22	250
Peace River	28	120	22	9	12	14	22
Penticton	13	724	21	14	34	21	106
Port Hardy	46	10	10	10	8	10	8
Prince Albert	37	52	27	22	10	7	18
Prince Rupert	32	80	9	12	14	24	18
Rankin Inlet	49	4	16	9	4	16	4
Red Deer Regional	1	5,270	18	11	68	17	440
Rouyn-Noranda	17	574	22	14	22	22	60
Saint John	23	246	15	14	10	24	28
Sept-Îles	22	300	8	20	18	8	36
Sioux Lookout	39	40	9	23	20	9	22
Smithers	50	2	8	6	2	8	2
St Catharines	9	1,270	3	11	24	6	90
Sudbury	16	586	14	11	54	14	80
Terrace	33	66	7	14	20	7	20
Thompson	35	58	9	21	14	9	14
Timmins	45	16	30	11	8	30	8
Val-d'Or	26	168	20	13	24	20	58
Victoria Harbour	0	0	0	0	0	0	0
Wabush	40	40	11	13	12	11	12
Whitecourt	18	570	1	11	32	27	78
Williams Lake	31	82	6	16	10	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	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	0	0	0	0	0	0	0
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2	2	4	14	2	4	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	0	0	0	0	0	0	0
Saskatoon/John G Diefenbaker International	0	0	0	0	0	0	0
Sault Ste. Marie	1	4	4	15	4	4	4
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	0	0	0	0	0	0	0
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	4	22	13	9	8	13	8
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	9	2	1	10	2	1	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	7	4	8	17	4	8	4
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	1	64	6	11	20	6	30
Kingston	10	2	28	11	2	28	2
Kuujjuaq	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	44	22	14	20	22	44
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	5	12	25	19	12	25	12
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	0	0	0	0	0	0	0
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	3	28	23	11	12	23	12
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	0	0	0	0	0	0	0
Prince Albert	8	4	6	13	4	6	4
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	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	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	6	8	5	13	8	5	8

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, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of 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 ASC 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

Effective July 1, 2010, NAV CANADA has changed the method it uses to collect local movements at the airports with air traffic control towers. This change may make comparisons to previous months' counts unreliable.

Lightning storms, combined with dry conditions, caused a rash of forest fires in northern Manitoba and Saskatchewan and in the British Columbia interior in July 2010.

Effective June 23, 2010, Virgin America Airlines launched direct daily service between Toronto/Lester B Pearson International, Ontario and California's two busiest terminals, in Los Angeles and San Francisco.

Skyservice, Canada's second-largest charter carrier, ceased operation at the end of March 2010.

Porter Airlines expanded its service to include St. John's, Newfoundland and Labrador on October 5, 2009, Boston Logan effective September 14, 2009, and Thunder Bay International Airport effective June 26, 2009.

Fredericton International, New Brunswick – As of January 2010, data for Fredericton International can be found in tables relating to NAV Canada Towers.

Appendix II

Glossary of terms

Air carrier

Aircraft operators, licensed by the Canadian Transportation Agency to transport persons, mail and/or goods by air.

Level I-III air carriers: Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of $2,000,000 or more for the air services for which the air carrier held a licence. Also includes foreign air carriers.

Level IV-VI air carriers: Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of less than $2,000,000 for the air services for which the air carrier held a licence. Between 2000 and 2009, levels IV and VI were not applicable.

Aircraft movement

A take off, a landing, or a simulated approach by an aircraft. ATC Manops amendment 8-8-83. NC-703.

Class of operation

Aircraft movements are classified as either "Itinerant" or "Local".

Commercial

Flights by aircraft operators licensed by the Canadian Transportation Agency to perform commercial air services. Commercial operations are divided into two categories: **Air carrier** and **Other commercial**.

Domestic itinerant movements

Movements, at a Canadian airport, of aircraft departing to or arriving from another point in Canada.

FSS

Flight service station.

Government-Civil

Aircraft owned by federal, provincial and municipal bodies as well as foreign states, but excluding those owned by crown corporations, boards and commissions. Such aircraft are coded "3" under "Purpose" in the Canadian civil aircraft register.

Government-Military

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

Gross take-off weight

The maximum weight for which the aircraft is licensed to operate. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax and the arrival at Toronto would be shown as "domestic".

Itinerant movements

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. At airports **without** control towers: an aircraft movement in which the aircraft arrives from or departs to a point other than the reporting airport; or a movement by an aircraft that leaves the close proximity of an airport and returns without landing at another airport.

Local movements

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. At airports **without** control towers: an aircraft movement in which the aircraft remains in the close proximity of the airport. Local movements are often carried out during training flights (touch-and-go), equipment tests etc.

Other commercial

Flights performed by **Commercial** aircraft operators not included in the **Air carrier** categories. Flying schools, agricultural sprayers, water-bombers, aerial photography and survey, etc.

Power plant

The source of propulsion. For example, piston engines, turbo-propellers and jet engines. "Helicopters", in this report, include both piston and turboshaft-driven engines.

Private aircraft

Aircraft used solely for private purposes, not for hire and compensation, which are classified as “Private” or “Private Restricted” in the Canadian civil aircraft register or similar registries of other countries. Owners include individuals, groups and business firms.

Runway 88

Through control zone flights, i.e. flights which communicate with the tower while transiting the tower control zone to another destination without landing at the reporting airport.

Data for these runways are not included in the grand total.

Simulated approaches

Movements that are either missed instrument or practice instrument approaches without landing.

TC

Transport Canada.

Tower control zone

A controlled airspace within the proximity of an air traffic control tower, usually within a radius of less than 24 kilometres of the tower.

V.F.R. flight

A flight conducted in accordance with Visual flight rules.

Weight group

The classification of weight classes in groups for statistical purposes.