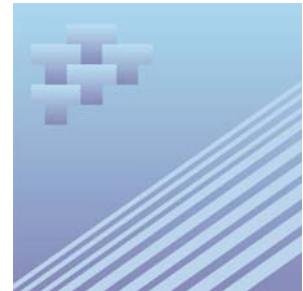# Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)

October 2013

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Statistics Canada
Transportation Division

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

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Symbols

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.	not available for any reference period
..	not available for a specific reference period
...	not applicable
0	true zero or a value rounded to zero
0^s	value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
^{p}	preliminary
^{r}	revised
x	suppressed to meet the confidentiality requirements of the *Statistics Act*
^{E}	use with caution
F	too unreliable to be published
*	significantly different from reference category (p < 0.05)

Acknowledgements

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Highlights

There were 487,441 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2013 compared with 442,987 movements in October 2012. This represents an increase of 10.0%.

Itinerant movements (flights from one airport to another) increased 6.2% (+20,054 movements) in October 2013 from the same month the previous year. These airports reported 343,086 movements compared with 323,032 movements in October 2012.

There were 144,355 local movements (flights that remain in the vicinity of the airport) in October 2013 compared with 119,955 movements in October 2012 (an increase of 20.3 %).

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

	NAV CANADA towers	Percentage change, October 2012 to October 2013	NAV CANADA Flight Service Stations	Percentage change, October 2012 to October 2013	Total	Percentage change, October 2012 to October 2013
	number	percent	number	percent	number	percent
Grand total	**392,985**	**10.4**	**94,456**	**8.7**	**487,441**	**10.0**
Itinerant movements						
Air carriers	212,253	2.9	53,171	1.5	265,424	2.7
Other commercial movements	25,410	28.3	3,540	32.0	28,950	28.7
Private movements	27,367	19.9	10,311	29.6	37,678	22.4
Government civil movements	4,669	11.3	1,783	2.8	6,452	8.8
Government military movements	3,630	-9.6	952	-24.7	4,582	-13.2
Itinerant total	273,329	6.3	69,757	5.7	343,086	6.2
Local movements						
Civil local movements	119,170	20.8	24,579	18.4	143,749	20.3
Military local movements	486	28.6	120	-9.1	606	18.8
Local total	119,656	20.8	24,699	18.2	144,355	20.3

Analysis

There were 487,441 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2013 compared with 442,987 movements in October 2012. Year-over-year increases were reported by 58 airports. Toronto/Lester B. Pearson International, Ontario (36,412 movements) and Vancouver International, British Columbia (23,565 movements) were the most active sites in October 2013.

Itinerant movements (flights from one airport to another) increased 6.2% (+20,054 movements) in October 2013 from the same month the previous year. These airports reported 343,086 movements compared with 323,032 movements in October 2012. Year-over-year variations ranged from an increase of 2,790 movements (+91.3%) at Calgary/Springbank, Alberta to a drop of 942 movements (-3.9%) at Vancouver International, British Columbia. Sixty-three airports reported year-over-year increases in the number of itinerant aircraft movements in October 2013.

In October 2013, there were 144,355 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 20.3% (+24,400 movements) compared with the previous year. Montréal/St-Hubert, Quebec (10,138 movements) and Calgary/Springbank, Alberta (8,726 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 290,829 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2013, up 7.3% (+19,846 movements) from October 2012. Year-over-year variations ranged from an increase of 2,756 movements (+92.3%) at Calgary/Springbank, Alberta to a drop of 934 movements (-5.0%) at Vancouver International, British Columbia. Sixty-four airports reported year-over-year increases in the number of domestic movements in October 2013.

Eighty-seven airports recorded 42,906 transborder itinerant movements (between Canada and the United States) in October 2013, increasing from 42,896 movements the same month in 2012. Toronto/Lester B. Pearson International, Ontario (15,721 movements) reported the greatest number of transborder itinerant movements.

In October 2013, thirty-nine airports reported 9,351 other international itinerant movements, up 2.2% from October 2012. Toronto/Lester B. Pearson International, Ontario, recorded 4,624 other international itinerant movements.

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
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
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401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
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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	14	10,613	23	3,825	4	6,788
Boundary Bay	15	10,109	18	4,725	10	5,384
Calgary International	3	21,334	3	21,108	37	226
Calgary/Springbank	7	14,572	14	5,846	2	8,726
Chicoutimi/St-Honoré	19	9,567	37	2,071	3	7,496
Edmonton City Centre	33	4,250	27	3,514	30	736
Edmonton International	8	13,825	5	13,569	36	256
Edmonton/Villeneuve	29	5,081	40	1,641	15	3,440
Fort McMurray	24	6,380	15	5,648	31	732
Fredericton International	16	9,888	21	4,082	8	5,806
Gander International	39	3,299	38	1,925	25	1,374
Halifax/Robert L. Stanfield International	23	7,270	11	6,940	35	330
Hamilton	40	2,806	35	2,080	32	726
Kelowna	26	6,146	20	4,236	23	1,910
Kitchener/Waterloo	17	9,883	22	3,979	7	5,904
Langley	32	4,681	32	2,641	20	2,040
London	27	5,318	28	3,200	19	2,118
Moncton/Greater Moncton International	22	7,977	19	4,275	14	3,702
Montréal/Pierre Elliott Trudeau International	4	18,827	4	18,763	41	64
Montréal/St-Hubert	6	17,274	10	7,136	1	10,138
Oshawa	31	4,779	31	2,785	21	1,994
Ottawa/Macdonald-Cartier International	5	17,522	6	11,428	6	6,094
Pitt Meadows	25	6,212	33	2,338	13	3,874
Prince George	37	3,416	36	2,074	27	1,342
Québec/Jean Lesage International	11	11,007	8	8,055	16	2,952
Regina International	30	4,999	26	3,641	26	1,358
Saskatoon/John G. Diefenbaker International	20	8,846	13	6,002	18	2,844
Sault Ste. Marie	28	5,142	34	2,288	17	2,854
St. John's International	34	4,001	24	3,779	38	222
St-Jean	38	3,309	39	1,753	24	1,556
Thunder Bay	13	10,801	16	5,513	11	5,288
Toronto/Billy Bishop Toronto City	18	9,662	9	7,718	22	1,944
Toronto/Buttonville Municipal	9	11,706	17	5,178	5	6,528
Toronto/Lester B. Pearson International	1	36,412	1	36,304	39	108
Vancouver Harbour	36	3,679	25	3,677	42	2
Vancouver International	2	23,565	2	23,457	40	108
Victoria International	10	11,044	12	6,722	12	4,322
Whitehorse International	42	1,875	42	1,385	34	490
Windsor	41	2,364	41	1,584	29	780
Winnipeg/James Armstrong Richardson International	12	10,984	7	10,054	28	930
Winnipeg/St. Andrews	21	8,800	30	3,194	9	5,606
Yellowknife	35	3,760	29	3,196	33	564
Total of NAV CANADA towers (42)	.	**392,985**	.	**273,329**	.	**119,656**

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	16	2,288	27	1,282	10	1,006
Campbell River	18	2,168	25	1,296	12	872
Castlegar	44	836	48	542	22	294
Charlottetown	36	1,121	38	937	26	184
Churchill	41	948	39	930	42	18
Cranbrook	47	781	46	711	32	70
Deer Lake	30	1,471	22	1,443	39	28
Fort Nelson	23	1,821	14	1,737	31	84
Fort St. John	10	2,776	6	2,358	18	418
Grande Prairie	5	3,258	3	2,536	13	722
High Level	42	878	42	822	35	56
Îles-de-la-Madeleine	50	404	50	396	48	8
Inuvik/Mike Zubko	37	1,050	31	1,028	41	22
Iqaluit	28	1,597	17	1,553	36	44
Kamloops	7	3,115	9	2,109	9	1,006
Kenora	38	1,048	44	748	21	300
Kingston	17	2,202	19	1,545	15	657
Kuujjuaq	39	1,019	33	963	34	56
La Grande Rivière	48	715	47	705	45	10
La Ronge	26	1,627	20	1,479	27	148
Lethbridge	9	2,848	18	1,552	7	1,296
Lloydminster	31	1,375	36	941	17	434
Medicine Hat	20	1,916	24	1,340	16	576
Mont-Joli	45	819	43	811	47	8
Montréal/Mirabel International	12	2,545	32	967	4	1,578
Nanaimo	6	3,142	12	1,818	6	1,324
Norman Wells	35	1,149	34	949	25	200
North Bay	3	4,265	11	1,871	2	2,394
Ottawa/Gatineau	1	4,346	23	1,374	1	2,972
Peace River	43	858	41	850	46	8
Penticton	24	1,800	29	1,090	14	710
Port Hardy	49	538	49	524	44	14
Prince Albert	22	1,863	13	1,803	33	60
Prince Rupert	51	264	51	264	0	0
Rankin Inlet	40	950	35	946	49	4
Red Deer Regional	2	4,344	8	2,246	3	2,098
Rouyn-Noranda	34	1,275	28	1,235	37	40
Saint John	29	1,584	26	1,284	20	300
Sept-Îles	13	2,535	7	2,293	24	242
Sioux Lookout	15	2,394	5	2,368	40	26
Smithers	33	1,285	37	939	19	346
St. Catharines	8	2,851	21	1,449	5	1,402
Sudbury	4	3,649	1	2,675	11	974
Terrace	25	1,738	15	1,642	30	96
Thompson	11	2,735	2	2,613	28	122
Timmins	14	2,525	4	2,403	29	122
Val-d'Or	32	1,351	30	1,083	23	268
Victoria Harbour	19	2,088	10	2,074	43	14
Wabush	27	1,623	16	1,623	0	0
Whitecourt	21	1,896	40	864	8	1,032
Williams Lake	46	782	45	746	38	36
Total of all flight service stations (51)	.	**94,456**	.	**69,757**	.	**24,699**

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				
	number						
Abbotsford	10,464	2,945	753	6,766	149	127	22
Boundary Bay	10,089	3,391	1,314	5,384	20	20	0
Calgary International	21,288	19,625	1,437	226	46	46	0
Calgary/Springbank	14,570	4,235	1,609	8,726	2	2	0
Chicoutimi/St-Honoré	9,559	1,847	220	7,492	8	4	4
Edmonton City Centre	4,237	2,031	1,470	736	13	13	0
Edmonton International	13,799	12,402	1,143	254	26	24	2
Edmonton/Villeneuve	4,590	684	466	3,440	491	491	0
Fort McMurray	6,380	4,825	823	732	0	0	0
Fredericton International	9,855	3,857	192	5,806	33	33	0
Gander International	3,154	1,507	273	1,374	145	145	0
Halifax/Robert L. Stanfield International	7,149	6,489	336	324	121	115	6
Hamilton	2,802	1,766	310	726	4	4	0
Kelowna	6,131	3,574	647	1,910	15	15	0
Kitchener/Waterloo	9,882	3,071	907	5,904	1	1	0
Langley	4,058	1,102	916	2,040	623	623	0
London	5,318	2,622	578	2,118	0	0	0
Moncton/Greater Moncton International	7,947	3,797	454	3,696	30	24	6
Montréal/Pierre Elliott Trudeau International	18,809	17,489	1,256	64	18	18	0
Montréal/St-Hubert	17,157	5,839	1,180	10,138	117	117	0
Oshawa	4,762	1,850	922	1,990	17	13	4
Ottawa/Macdonald-Cartier International	17,337	10,576	687	6,074	185	165	20
Pitt Meadows	6,210	1,010	1,326	3,874	2	2	0
Prince George	3,393	1,659	392	1,342	23	23	0
Québec/Jean Lesage International	10,920	6,842	1,134	2,944	87	79	8
Regina International	4,672	2,906	688	1,078	327	47	280
Saskatoon/John G. Diefenbaker International	8,667	4,816	1,111	2,740	179	75	104
Sault Ste. Marie	5,114	2,164	102	2,848	28	22	6
St. John's International	3,904	3,336	346	222	97	97	0
St-Jean	2,698	251	891	1,556	611	611	0
Thunder Bay	10,734	5,095	373	5,266	67	45	22
Toronto/Billy Bishop Toronto City	9,660	7,276	440	1,944	2	2	0
Toronto/Buttonville Municipal	11,701	2,890	2,283	6,528	5	5	0
Toronto/Lester B. Pearson International	36,392	35,251	1,033	108	20	20	0
Vancouver Harbour	3,672	3,640	30	2	7	7	0
Vancouver International	23,546	22,619	819	108	19	19	0
Victoria International	10,926	5,376	1,228	4,322	118	118	0
Whitehorse International	1,873	1,122	261	490	2	2	0
Windsor	2,360	1,213	367	780	4	4	0
Winnipeg/James Armstrong Richardson International	10,636	8,905	803	928	348	346	2
Winnipeg/St. Andrews	8,798	2,794	398	5,606	2	2	0
Yellowknife	3,656	2,974	118	564	104	104	0
Total of NAV CANADA towers (42)	**388,869**	**237,663**	**32,036**	**119,170**	**4,116**	**3,630**	**486**

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	1,927	428	517	982	361	337	24
Campbell River	2,166	945	349	872	2	2	0
Castlegar	834	493	47	294	2	2	0
Charlottetown	1,097	708	209	180	24	20	4
Churchill	930	868	44	18	18	18	0
Cranbrook	772	565	137	70	9	9	0
Deer Lake	1,463	1,310	125	28	8	8	0
Fort Nelson	1,821	1,645	92	84	0	0	0
Fort St. John	2,776	2,077	281	418	0	0	0
Grande Prairie	3,246	1,912	612	722	12	12	0
High Level	878	750	72	56	0	0	0
Îles-de-la-Madeleine	402	346	50	6	2	0	2
Inuvik/Mike Zubko	1,036	978	36	22	14	14	0
Iqaluit	1,533	1,272	217	44	64	64	0
Kamloops	3,105	1,645	458	1,002	10	6	4
Kenora	1,044	682	62	300	4	4	0
Kingston	2,161	1,125	391	645	41	29	12
Kuujjuaq	1,019	919	44	56	0	0	0
La Grande Rivière	715	660	45	10	0	0	0
La Ronge	1,627	1,310	169	148	0	0	0
Lethbridge	2,764	1,036	476	1,252	84	40	44
Lloydminster	1,358	532	392	434	17	17	0
Medicine Hat	1,880	962	342	576	36	36	0
Mont-Joli	817	719	90	8	2	2	0
Montréal/Mirabel International	2,531	788	169	1,574	14	10	4
Nanaimo	3,007	1,020	665	1,322	135	133	2
Norman Wells	1,147	910	37	200	2	2	0
North Bay	4,235	1,254	589	2,392	30	28	2
Ottawa/Gatineau	4,338	730	636	2,972	8	8	0
Peace River	858	760	90	8	0	0	0
Penticton	1,733	713	310	710	67	67	0
Port Hardy	528	465	51	12	10	8	2
Prince Albert	1,857	1,570	233	54	6	0	6
Prince Rupert	264	193	71	0	0	0	0
Rankin Inlet	950	920	26	4	0	0	0
Red Deer Regional	4,340	1,410	832	2,098	4	4	0
Rouyn-Noranda	1,275	1,099	136	40	0	0	0
Saint John	1,565	912	367	286	19	5	14
Sept-Îles	2,534	2,030	262	242	1	1	0
Sioux Lookout	2,394	2,305	63	26	0	0	0
Smithers	1,281	845	90	346	4	4	0
St. Catharines	2,847	925	520	1,402	4	4	0
Sudbury	3,623	2,190	459	974	26	26	0
Terrace	1,738	1,535	107	96	0	0	0
Thompson	2,726	2,392	212	122	9	9	0
Timmins	2,525	2,232	171	122	0	0	0
Val-d'Or	1,343	888	187	268	8	8	0
Victoria Harbour	2,081	1,968	99	14	7	7	0
Wabush	1,621	1,441	180	0	2	2	0
Whitecourt	1,892	722	138	1,032	4	4	0
Williams Lake	780	607	137	36	2	2	0
Total of all flight service stations (51)	**93,384**	**56,711**	**12,094**	**24,579**	**1,072**	**952**	**120**

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	3,825	484	2,382	79	690	63	127
Boundary Bay	4,725	2	777	2,612	1,293	21	20
Calgary International	21,108	17,695	1,483	447	1,254	183	46
Calgary/Springbank	5,846	29	919	3,287	1,536	73	2
Chicoutimi/St-Honoré	2,071	587	88	1,172	220	0	4
Edmonton City Centre	3,514	320	349	1,362	919	551	13
Edmonton International	13,569	11,253	928	221	856	287	24
Edmonton/Villeneuve	1,641	21	62	601	460	6	491
Fort McMurray	5,648	2,123	2,652	50	791	32	0
Fredericton International	4,082	829	3,014	14	164	28	33
Gander International	1,925	1,429	64	14	233	40	145
Halifax/Robert L. Stanfield International	6,940	6,014	452	23	300	36	115
Hamilton	2,080	1,520	108	138	189	121	4
Kelowna	4,236	2,948	245	381	579	68	15
Kitchener/Waterloo	3,979	501	2,476	94	898	9	1
Langley	2,641	4	70	1,028	865	51	623
London	3,200	1,170	259	1,193	509	69	0
Moncton/Greater Moncton International	4,275	1,818	1,976	3	218	236	24
Montréal/Pierre Elliott Trudeau International	18,763	16,405	999	85	1,126	130	18
Montréal/St-Hubert	7,136	3,133	788	1,918	1,030	150	117
Oshawa	2,785	26	92	1,732	806	116	13
Ottawa/Macdonald-Cartier International	11,428	7,428	301	2,847	293	394	165
Pitt Meadows	2,338	7	673	330	1,318	8	2
Prince George	2,074	1,166	456	37	330	62	23
Québec/Jean Lesage International	8,055	4,287	2,087	468	855	279	79
Regina International	3,641	2,068	758	80	518	170	47
Saskatoon/John G. Diefenbaker International	6,002	3,540	895	381	798	313	75
Sault Ste. Marie	2,288	1,135	73	956	64	38	22
St. John's International	3,779	2,789	537	10	114	232	97
St-Jean	1,753	16	158	77	887	4	611
Thunder Bay	5,513	3,432	255	1,408	255	118	45
Toronto/Billy Bishop Toronto City	7,718	5,524	635	1,117	430	10	2
Toronto/Buttonville Municipal	5,178	184	2,592	114	2,212	71	5
Toronto/Lester B. Pearson International	36,304	34,261	932	58	1,011	22	20
Vancouver Harbour	3,677	3,286	354	0	30	0	7
Vancouver International	23,457	21,058	1,477	84	677	142	19
Victoria International	6,722	2,905	2,147	324	1,204	24	118
Whitehorse International	1,385	838	257	27	220	41	2
Windsor	1,584	608	581	24	355	12	4
Winnipeg/James Armstrong Richardson International	10,054	8,593	238	74	406	397	346
Winnipeg/St. Andrews	3,194	592	1,730	472	396	2	2
Yellowknife	3,196	2,729	177	68	58	60	104
Total of NAV CANADA towers (42)	**273,329**	**174,757**	**37,496**	**25,410**	**27,367**	**4,669**	**3,630**

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	1,282	94	302	32	494	23	337
Campbell River	1,296	659	133	153	345	4	2
Castlegar	542	231	71	191	37	10	2
Charlottetown	937	675	27	6	177	32	20
Churchill	930	764	94	10	22	22	18
Cranbrook	711	510	44	11	129	8	9
Deer Lake	1,443	1,264	36	10	59	66	8
Fort Nelson	1,737	392	1,245	8	84	8	0
Fort St. John	2,358	895	1,172	10	273	8	0
Grande Prairie	2,536	995	881	36	586	26	12
High Level	822	440	302	8	46	26	0
Îles-de-la-Madeleine	396	329	17	0	14	36	0
Inuvik/Mike Zubko	1,028	785	193	0	9	27	14
Iqaluit	1,553	1,198	67	7	62	155	64
Kamloops	2,109	887	564	194	429	29	6
Kenora	748	478	88	116	53	9	4
Kingston	1,545	571	332	222	385	6	29
Kuujjuaq	963	837	63	19	11	33	0
La Grande Rivière	705	504	156	0	35	10	0
La Ronge	1,479	1,291	17	2	77	92	0
Lethbridge	1,552	524	27	485	460	16	40
Lloydminster	941	236	282	14	369	23	17
Medicine Hat	1,340	545	129	288	326	16	36
Mont-Joli	811	609	104	6	48	42	2
Montréal/Mirabel International	967	762	24	2	167	2	10
Nanaimo	1,818	484	506	30	617	48	133
Norman Wells	949	666	234	10	27	10	2
North Bay	1,871	746	212	296	576	13	28
Ottawa/Gatineau	1,374	109	340	281	624	12	8
Peace River	850	369	381	10	74	16	0
Penticton	1,090	295	349	69	310	0	67
Port Hardy	524	424	41	0	28	23	8
Prince Albert	1,803	1,533	32	5	104	129	0
Prince Rupert	264	185	6	2	56	15	0
Rankin Inlet	946	857	44	19	10	16	0
Red Deer Regional	2,246	549	695	166	804	28	4
Rouyn-Noranda	1,235	853	192	54	126	10	0
Saint John	1,284	791	77	44	363	4	5
Sept-Îles	2,293	1,438	567	25	166	96	1
Sioux Lookout	2,368	2,035	92	178	27	36	0
Smithers	939	500	325	20	76	14	4
St. Catharines	1,449	11	890	24	496	24	4
Sudbury	2,675	1,595	325	270	287	172	26
Terrace	1,642	715	817	3	88	19	0
Thompson	2,613	2,031	360	1	30	182	9
Timmins	2,403	2,138	91	3	123	48	0
Val-d'Or	1,083	781	79	28	166	21	8
Victoria Harbour	2,074	1,935	33	0	5	94	7
Wabush	1,623	1,238	193	10	166	14	2
Whitecourt	864	52	534	136	132	6	4
Williams Lake	746	460	121	26	133	4	2
Total of all flight service stations (51)	**69,757**	**39,265**	**13,906**	**3,540**	**10,311**	**1,783**	**952**

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	3,825	761	19.8	3,064	80.1	1,689
Boundary Bay	4,725	396	8.3	4,329	91.6	718
Calgary International	21,108	20,147	95.4	961	4.5	378
Calgary/Springbank	5,846	484	8.2	5,362	91.7	154
Chicoutimi/St-Honoré	2,071	276	13.3	1,795	86.6	165
Edmonton City Centre	3,514	956	27.2	2,558	72.7	2,032
Edmonton International	13,569	12,764	94.0	805	5.9	837
Edmonton/Villeneuve	1,641	112	6.8	1,529	93.1	135
Fort McMurray	5,648	2,790	49.3	2,858	50.6	311
Fredericton International	4,082	1,036	25.3	3,046	74.6	326
Gander International	1,925	1,132	58.8	793	41.1	203
Halifax/Robert L. Stanfield International	6,940	6,555	94.4	385	5.5	266
Hamilton	2,080	1,724	82.8	356	17.1	765
Kelowna	4,236	2,900	68.4	1,336	31.5	584
Kitchener/Waterloo	3,979	791	19.8	3,188	80.1	476
Langley	2,641	24	0.9	2,617	99.0	846
London	3,200	1,413	44.1	1,787	55.8	341
Moncton/Greater Moncton International	4,275	2,019	47.2	2,256	52.7	101
Montréal/Pierre Elliott Trudeau International	18,763	18,220	97.1	543	2.8	1,278
Montréal/St-Hubert	7,136	1,638	22.9	5,498	77.0	940
Oshawa	2,785	190	6.8	2,595	93.1	488
Ottawa/Macdonald-Cartier International	11,428	8,104	70.9	3,324	29.0	743
Pitt Meadows	2,338	37	1.5	2,301	98.4	1,061
Prince George	2,074	1,328	64.0	746	35.9	172
Québec/Jean Lesage International	8,055	5,456	67.7	2,599	32.2	1,202
Regina International	3,641	2,535	69.6	1,106	30.3	133
Saskatoon/John G. Diefenbaker International	6,002	4,221	70.3	1,781	29.6	353
Sault Ste. Marie	2,288	1,239	54.1	1,049	45.8	64
St. John's International	3,779	3,416	90.3	363	9.6	193
St-Jean	1,753	23	1.3	1,730	98.6	453
Thunder Bay	5,513	3,686	66.8	1,827	33.1	140
Toronto/Billy Bishop Toronto City	7,718	5,798	75.1	1,920	24.8	1,732
Toronto/Buttonville Municipal	5,178	639	12.3	4,539	87.6	1,049
Toronto/Lester B. Pearson International	36,304	36,280	99.9	24	0.0	239
Vancouver Harbour	3,677	231	6.2	3,446	93.7	1,523
Vancouver International	23,457	20,582	87.7	2,875	12.2	3,651
Victoria International	6,722	3,495	51.9	3,227	48.0	1,656
Whitehorse International	1,385	718	51.8	667	48.1	349
Windsor	1,584	763	48.1	821	51.8	95
Winnipeg/James Armstrong Richardson International	10,054	9,210	91.6	844	8.3	362
Winnipeg/St. Andrews	3,194	111	3.4	3,083	96.5	112
Yellowknife	3,196	2,342	73.2	854	26.7	812
Total of NAV CANADA towers (42)	**273,329**	**186,542**	**68.2**	**86,787**	**31.8**	**29,127**

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	1,282	188	14.6	1,094	85.3	144
Campbell River	1,296	617	47.6	679	52.3	385
Castlegar	542	233	42.9	309	57.0	200
Charlottetown	937	734	78.3	203	21.6	41
Churchill	930	833	89.5	97	10.4	274
Cranbrook	711	552	77.6	159	22.3	106
Deer Lake	1,443	1,191	82.5	252	17.4	46
Fort Nelson	1,737	420	24.1	1,317	75.8	81
Fort St. John	2,358	1,045	44.3	1,313	55.6	101
Grande Prairie	2,536	1,548	61.0	988	38.9	126
High Level	822	226	27.4	596	72.5	306
Îles-de-la-Madeleine	396	379	95.7	17	4.2	10
Inuvik/Mike Zubko	1,028	385	37.4	643	62.5	16
Iqaluit	1,553	1,290	83.0	263	16.9	138
Kamloops	2,109	985	46.7	1,124	53.2	406
Kenora	748	469	62.7	279	37.2	310
Kingston	1,545	724	46.8	821	53.1	301
Kuujjuaq	963	536	55.6	427	44.3	52
La Grande Rivière	705	620	87.9	85	12.0	189
La Ronge	1,479	899	60.7	580	39.2	419
Lethbridge	1,552	684	44.0	868	55.9	36
Lloydminster	941	312	33.1	629	66.8	18
Medicine Hat	1,340	480	35.8	860	64.1	164
Mont-Joli	811	744	91.7	67	8.2	52
Montréal/Mirabel International	967	868	89.7	99	10.2	1,721
Nanaimo	1,818	720	39.6	1,098	60.3	553
Norman Wells	949	243	25.6	706	74.3	28
North Bay	1,871	749	40.0	1,122	59.9	583
Ottawa/Gatineau	1,374	169	12.2	1,205	87.7	597
Peace River	850	400	47.0	450	52.9	11
Penticton	1,090	277	25.4	813	74.5	211
Port Hardy	524	238	45.4	286	54.5	285
Prince Albert	1,803	1,651	91.5	152	8.4	117
Prince Rupert	264	173	65.5	91	34.4	7
Rankin Inlet	946	919	97.1	27	2.8	310
Red Deer Regional	2,246	736	32.7	1,510	67.2	502
Rouyn-Noranda	1,235	1,092	88.4	143	11.5	166
Saint John	1,284	1,017	79.2	267	20.7	55
Sept-Îles	2,293	1,810	78.9	483	21.0	361
Sioux Lookout	2,368	1,974	83.3	394	16.6	628
Smithers	939	457	48.6	482	51.3	954
St. Catharines	1,449	156	10.7	1,293	89.2	227
Sudbury	2,675	1,565	58.5	1,110	41.4	211
Terrace	1,642	758	46.1	884	53.8	255
Thompson	2,613	1,905	72.9	708	27.0	218
Timmins	2,403	1,700	70.7	703	29.2	256
Val-d'Or	1,083	857	79.1	226	20.8	366
Victoria Harbour	2,074	235	11.3	1,839	88.6	704
Wabush	1,623	1,412	86.9	211	13.0	471
Whitecourt	864	79	9.1	785	90.8	111
Williams Lake	746	487	65.2	259	34.7	140
Total of all flight service stations (51)	**69,757**	**38,741**	**55.5**	**31,016**	**44.5**	**13,969**

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	3,825	547	147	2,088	1,006	37
Boundary Bay	4,725	11	54	4,429	231	0
Calgary International	21,108	12,724	7,308	290	786	0
Calgary/Springbank	5,846	100	190	4,649	907	0
Chicoutimi/St-Honoré	2,071	0	106	1,704	261	0
Edmonton City Centre	3,514	216	702	2,039	556	1
Edmonton International	13,569	7,147	5,648	402	372	0
Edmonton/Villeneuve	1,641	19	47	1,279	53	243
Fort McMurray	5,648	1,376	1,854	838	1,580	0
Fredericton International	4,082	39	973	2,961	109	0
Gander International	1,925	441	670	658	156	0
Halifax/Robert L. Stanfield International	6,940	3,650	2,772	205	313	0
Hamilton	2,080	1,202	531	295	52	0
Kelowna	4,236	1,286	1,701	1,035	214	0
Kitchener/Waterloo	3,979	318	356	3,031	272	2
Langley	2,641	0	5	2,028	298	310
London	3,200	438	977	1,667	117	1
Moncton/Greater Moncton International	4,275	816	1,271	2,087	101	0
Montréal/Pierre Elliott Trudeau International	18,763	11,672	6,505	334	252	0
Montréal/St-Hubert	7,136	254	990	5,559	332	1
Oshawa	2,785	39	47	2,573	126	0
Ottawa/Macdonald-Cartier International	11,428	5,203	2,857	3,054	314	0
Pitt Meadows	2,338	4	12	2,076	246	0
Prince George	2,074	256	1,097	370	350	1
Québec/Jean Lesage International	8,055	1,327	4,014	1,569	1,145	0
Regina International	3,641	1,345	1,052	1,088	155	1
Saskatoon/John G. Diefenbaker International	6,002	1,611	2,491	1,785	114	1
Sault Ste. Marie	2,288	41	1,199	1,015	33	0
St. John's International	3,779	1,569	1,564	39	607	0
St-Jean	1,753	2	3	1,216	34	498
Thunder Bay	5,513	460	3,284	1,572	197	0
Toronto/Billy Bishop Toronto City	7,718	30	5,656	1,561	471	0
Toronto/Buttonville Municipal	5,178	74	325	4,497	282	0
Toronto/Lester B. Pearson International	36,304	29,681	6,593	28	2	0
Vancouver Harbour	3,677	0	1,907	877	893	0
Vancouver International	23,457	11,564	9,494	1,818	581	0
Victoria International	6,722	924	2,294	3,110	394	0
Whitehorse International	1,385	338	524	420	103	0
Windsor	1,584	145	565	852	22	0
Winnipeg/James Armstrong Richardson International	10,054	5,409	4,078	355	212	0
Winnipeg/St. Andrews	3,194	2	798	2,247	147	0
Yellowknife	3,196	539	2,233	193	230	1
Total of NAV CANADA towers (42)	**273,329**	**102,819**	**84,894**	**69,893**	**14,626**	**1,097**

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
			number			
Brandon Municipal	1,282	34	198	741	30	279
Campbell River	1,296	38	671	269	318	0
Castlegar	542	20	235	228	59	0
Charlottetown	937	240	477	170	50	0
Churchill	930	152	697	38	43	0
Cranbrook	711	13	491	165	42	0
Deer Lake	1,443	156	1,197	28	62	0
Fort Nelson	1,737	27	428	207	1,075	0
Fort St. John	2,358	216	824	410	908	0
Grande Prairie	2,536	120	1,190	718	495	13
High Level	822	12	367	152	291	0
Îles-de-la-Madeleine	396	12	356	24	4	0
Inuvik/Mike Zubko	1,028	101	570	164	193	0
Iqaluit	1,553	407	1,020	19	107	0
Kamloops	2,109	108	856	834	311	0
Kenora	748	4	554	121	69	0
Kingston	1,545	62	603	764	116	0
Kuujjuaq	963	162	743	3	55	0
La Grande Rivière	705	110	560	26	9	0
La Ronge	1,479	6	1,234	174	65	0
Lethbridge	1,552	85	579	874	14	0
Lloydminster	941	24	284	568	65	0
Medicine Hat	1,340	16	551	718	55	0
Mont-Joli	811	31	718	50	12	0
Montréal/Mirabel International	967	594	251	58	64	0
Nanaimo	1,818	22	571	1,095	76	54
Norman Wells	949	182	320	203	244	0
North Bay	1,871	30	769	517	428	127
Ottawa/Gatineau	1,374	5	121	1,041	207	0
Peace River	850	21	346	166	317	0
Penticton	1,090	38	294	350	408	0
Port Hardy	524	6	335	123	60	0
Prince Albert	1,803	14	1,638	119	32	0
Prince Rupert	264	60	159	8	37	0
Rankin Inlet	946	254	676	2	14	0
Red Deer Regional	2,246	120	614	1,339	169	4
Rouyn-Noranda	1,235	93	1,021	116	5	0
Saint John	1,284	121	864	226	73	0
Sept-Îles	2,293	46	1,727	276	244	0
Sioux Lookout	2,368	0	2,085	268	15	0
Smithers	939	26	536	101	276	0
St. Catharines	1,449	22	64	960	401	2
Sudbury	2,675	46	1,718	518	393	0
Terrace	1,642	35	735	45	827	0
Thompson	2,613	182	2,076	142	213	0
Timmins	2,403	17	2,197	117	72	0
Val-d'Or	1,083	150	697	177	59	0
Victoria Harbour	2,074	0	1,209	138	727	0
Wabush	1,623	46	1,326	154	97	0
Whitecourt	864	27	46	139	652	0
Williams Lake	746	18	470	136	122	0
Total of all flight service stations (51)	**69,757**	**4,331**	**38,268**	**15,999**	**10,680**	**479**

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	2,759	343	117	74	18	8	484	16	6	0
Boundary Bay	4,329	356	30	5	5	0	0	0	0	0
Calgary International	627	525	1,614	2,302	861	4,978	8,560	819	185	637
Calgary/Springbank	5,161	421	219	40	5	0	0	0	0	0
Chicoutimi/St-Honoré	1,634	332	101	0	0	0	0	4	0	0
Edmonton City Centre	2,440	208	566	197	88	6	2	7	0	0
Edmonton International	418	358	1,660	1,279	549	3,600	5,002	477	118	108
Edmonton/Villeneuve	1,491	85	37	19	9	0	0	0	0	0
Fort McMurray	2,016	836	506	485	79	914	748	64	0	0
Fredericton International	3,029	112	185	236	170	347	1	2	0	0
Gander International	684	28	51	554	244	261	25	36	10	32
Halifax/Robert L. Stanfield International	154	214	377	981	1,104	1,419	1,948	404	200	139
Hamilton	261	296	151	260	119	59	379	2	413	140
Kelowna	1,137	107	350	732	28	977	905	0	0	0
Kitchener/Waterloo	3,213	109	350	64	22	122	99	0	0	0
Langley	2,555	73	9	2	2	0	0	0	0	0
London	1,719	48	246	166	562	277	177	0	5	0
Moncton/Greater Moncton International	2,114	165	199	325	126	815	183	1	347	0
Montréal/Pierre Elliott Trudeau International	377	180	641	580	2,764	7,244	4,463	1,215	2	1,297
Montréal/St-Hubert	5,195	559	820	354	146	54	8	0	0	0
Oshawa	2,473	234	38	37	0	0	0	0	3	0
Ottawa/Macdonald-Cartier International	3,066	124	876	312	722	3,128	2,548	376	54	222
Pitt Meadows	2,160	167	6	2	3	0	0	0	0	0
Prince George	557	161	139	621	70	361	165	0	0	0
Québec/Jean Lesage International	2,337	344	882	702	1,098	2,495	161	16	0	20
Regina International	911	342	399	402	64	837	614	0	72	0
Saskatoon/John G. Diefenbaker International	1,542	406	679	988	316	1,171	852	4	44	0
Sault Ste. Marie	1,021	68	644	65	256	232	0	0	2	0
St. John's International	47	58	251	687	923	453	1,015	239	93	13
St-Jean	1,742	2	7	0	0	2	0	0	0	0
Thunder Bay	1,555	200	2,401	121	102	922	206	6	0	0
Toronto/Billy Bishop Toronto City	1,752	144	237	277	0	5,308	0	0	0	0
Toronto/Buttonville Municipal	4,435	385	259	82	3	14	0	0	0	0
Toronto/Lester B. Pearson International	7	171	418	1,771	3,981	7,380	15,072	4,042	189	3,273
Vancouver Harbour	186	2,563	921	0	7	0	0	0	0	0
Vancouver International	365	2,887	681	2,680	969	5,981	6,236	1,434	275	1,949
Victoria International	2,842	815	177	414	186	1,682	508	68	30	0
Whitehorse International	431	188	110	156	6	175	319	0	0	0
Windsor	756	98	47	109	288	257	29	0	0	0
Winnipeg/James Armstrong Richardson International	338	292	2,797	425	802	1,905	2,570	203	606	116
Winnipeg/St. Andrews	2,238	877	77	2	0	0	0	0	0	0
Yellowknife	221	400	574	338	258	822	481	100	0	2
Total of NAV CANADA towers (42)	**72,295**	**16,281**	**20,849**	**18,846**	**16,955**	**54,206**	**53,760**	**9,535**	**2,654**	**7,948**

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	1,017	31	129	15	16	64	0	10	0	0
Campbell River	542	41	30	604	77	0	2	0	0	0
Castlegar	240	43	22	46	0	191	0	0	0	0
Charlottetown	146	130	40	193	105	140	181	2	0	0
Churchill	42	56	137	12	122	539	20	2	0	0
Cranbrook	145	49	57	322	8	129	1	0	0	0
Deer Lake	72	24	40	492	580	99	136	0	0	0
Fort Nelson	958	126	294	164	151	44	0	0	0	0
Fort St. John	1,172	99	199	275	142	463	8	0	0	0
Grande Prairie	834	382	420	88	29	765	18	0	0	0
High Level	407	105	186	124	0	0	0	0	0	0
Îles-de-la-Madeleine	16	9	96	105	96	74	0	0	0	0
Inuvik/Mike Zubko	313	62	403	81	4	67	88	10	0	0
Iqaluit	11	100	392	155	173	364	268	28	14	48
Kamloops	915	100	229	277	7	512	69	0	0	0
Kenora	102	43	582	8	0	13	0	0	0	0
Kingston	819	79	111	486	22	22	0	6	0	0
Kuujjuaq	51	6	565	2	26	177	116	0	0	20
La Grande Rivière	17	18	210	2	33	317	108	0	0	0
La Ronge	104	130	633	271	235	106	0	0	0	0
Lethbridge	750	156	138	472	12	24	0	0	0	0
Lloydminster	545	93	120	169	12	2	0	0	0	0
Medicine Hat	712	76	173	325	16	34	0	4	0	0
Mont-Joli	34	28	144	258	144	201	0	2	0	0
Montréal/Mirabel International	83	77	19	100	11	131	87	2	268	189
Nanaimo	886	370	48	23	2	489	0	0	0	0
Norman Wells	287	186	187	67	0	40	182	0	0	0
North Bay	1,043	70	501	52	171	26	0	0	0	8
Ottawa/Gatineau	963	283	28	91	2	3	0	4	0	0
Peace River	374	108	269	79	15	5	0	0	0	0
Penticton	611	126	52	108	6	183	4	0	0	0
Port Hardy	53	205	25	103	136	2	0	0	0	0
Prince Albert	104	50	175	605	467	402	0	0	0	0
Prince Rupert	24	11	25	38	41	125	0	0	0	0
Rankin Inlet	14	4	136	6	88	534	164	0	0	0
Red Deer Regional	1,352	152	224	380	53	85	0	0	0	0
Rouyn-Noranda	119	2	352	101	427	164	70	0	0	0
Saint John	185	187	138	242	308	222	2	0	0	0
Sept-Îles	347	177	509	320	680	260	0	0	0	0
Sioux Lookout	59	252	1,291	642	124	0	0	0	0	0
Smithers	282	171	74	265	42	105	0	0	0	0
St. Catharines	1,261	90	66	18	10	4	0	0	0	0
Sudbury	579	187	1,059	252	335	259	2	2	0	0
Terrace	518	321	157	87	180	379	0	0	0	0
Thompson	223	149	1,474	22	222	523	0	0	0	0
Timmins	125	152	1,228	22	526	350	0	0	0	0
Val-d'Or	204	26	227	131	343	39	113	0	0	0
Victoria Harbour	47	1,169	851	0	7	0	0	0	0	0
Wabush	203	44	236	459	470	203	8	0	0	0
Whitecourt	757	26	28	22	29	2	0	0	0	0
Williams Lake	222	30	32	454	6	2	0	0	0	0
Total of all flight service stations (51)	**20,889**	**6,611**	**14,761**	**9,635**	**6,711**	**8,884**	**1,647**	**72**	**282**	**265**

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	3,769	477	2,375	77	650	63	127
Transborder	56	7	7	2	40	0	0
Other international	0	0	0	0	0	0	0
Total	**3,825**	**484**	**2,382**	**79**	**690**	**63**	**127**
Boundary Bay							
Domestic	4,669	2	770	2,602	1,254	21	20
Transborder	55	0	7	10	38	0	0
Other international	1	0	0	0	1	0	0
Total	**4,725**	**2**	**777**	**2,612**	**1,293**	**21**	**20**
Calgary International							
Domestic	16,881	13,906	1,380	439	944	181	31
Transborder	3,682	3,262	99	8	304	2	7
Other international	545	527	4	0	6	0	8
Total	**21,108**	**17,695**	**1,483**	**447**	**1,254**	**183**	**46**
Calgary/Springbank							
Domestic	5,743	27	905	3,287	1,452	70	2
Transborder	103	2	14	0	84	3	0
Other international	0	0	0	0	0	0	0
Total	**5,846**	**29**	**919**	**3,287**	**1,536**	**73**	**2**
Chicoutimi/St-Honoré							
Domestic	2,070	587	88	1,172	219	0	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**2,071**	**587**	**88**	**1,172**	**220**	**0**	**4**
Edmonton City Centre							
Domestic	3,492	320	345	1,362	901	551	13
Transborder	21	0	4	0	17	0	0
Other international	1	0	0	0	1	0	0
Total	**3,514**	**320**	**349**	**1,362**	**919**	**551**	**13**
Edmonton International							
Domestic	11,869	9,706	904	195	754	286	24
Transborder	1,607	1,459	23	26	98	1	0
Other international	93	88	1	0	4	0	0
Total	**13,569**	**11,253**	**928**	**221**	**856**	**287**	**24**
Edmonton/Villeneuve							
Domestic	1,638	21	62	600	458	6	491
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	1	0	0	0
Total	**1,641**	**21**	**62**	**601**	**460**	**6**	**491**
Fort McMurray							
Domestic	5,579	2,060	2,652	50	785	32	0
Transborder	69	63	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	**5,648**	**2,123**	**2,652**	**50**	**791**	**32**	**0**
Fredericton International							
Domestic	4,047	817	3,009	13	148	28	32
Transborder	35	12	5	1	16	0	1
Other international	0	0	0	0	0	0	0
Total	**4,082**	**829**	**3,014**	**14**	**164**	**28**	**33**
Gander International							
Domestic	1,610	1,340	63	4	72	40	91
Transborder	143	38	0	2	78	0	25
Other international	172	51	1	8	83	0	29
Total	**1,925**	**1,429**	**64**	**14**	**233**	**40**	**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			
Halifax/Robert L. Stanfield International							
Domestic	6,035	5,224	448	18	207	35	103
Transborder	756	662	2	1	83	1	7
Other international	149	128	2	4	10	0	5
Total	**6,940**	**6,014**	**452**	**23**	**300**	**36**	**115**
Hamilton							
Domestic	1,500	1,068	85	136	86	121	4
Transborder	554	430	23	2	99	0	0
Other international	26	22	0	0	4	0	0
Total	**2,080**	**1,520**	**108**	**138**	**189**	**121**	**4**
Kelowna							
Domestic	3,985	2,756	241	381	524	68	15
Transborder	251	192	4	0	55	0	0
Other international	0	0	0	0	0	0	0
Total	**4,236**	**2,948**	**245**	**381**	**579**	**68**	**15**
Kitchener/Waterloo							
Domestic	3,717	389	2,449	93	777	8	1
Transborder	260	112	26	1	120	1	0
Other international	2	0	1	0	1	0	0
Total	**3,979**	**501**	**2,476**	**94**	**898**	**9**	**1**
Langley							
Domestic	2,634	4	70	1,027	859	51	623
Transborder	7	0	0	1	6	0	0
Other international	0	0	0	0	0	0	0
Total	**2,641**	**4**	**70**	**1,028**	**865**	**51**	**623**
London							
Domestic	2,952	991	249	1,191	452	69	0
Transborder	247	178	10	2	57	0	0
Other international	1	1	0	0	0	0	0
Total	**3,200**	**1,170**	**259**	**1,193**	**509**	**69**	**0**
Moncton/Greater Moncton International							
Domestic	4,169	1,736	1,970	3	201	235	24
Transborder	92	69	6	0	17	0	0
Other international	14	13	0	0	0	1	0
Total	**4,275**	**1,818**	**1,976**	**3**	**218**	**236**	**24**
Montréal/Pierre Elliott Trudeau International							
Domestic	10,750	9,062	817	62	663	130	16
Transborder	6,273	5,661	155	19	437	0	1
Other international	1,740	1,682	27	4	26	0	1
Total	**18,763**	**16,405**	**999**	**85**	**1,126**	**130**	**18**
Montréal/St-Hubert							
Domestic	6,964	3,120	780	1,916	884	147	117
Transborder	172	13	8	2	146	3	0
Other international	0	0	0	0	0	0	0
Total	**7,136**	**3,133**	**788**	**1,918**	**1,030**	**150**	**117**
Oshawa							
Domestic	2,735	23	81	1,732	770	116	13
Transborder	44	3	11	0	30	0	0
Other international	6	0	0	0	6	0	0
Total	**2,785**	**26**	**92**	**1,732**	**806**	**116**	**13**
Ottawa/Macdonald-Cartier International							
Domestic	9,567	5,725	266	2,827	216	386	147
Transborder	1,732	1,587	35	20	72	8	10
Other international	129	116	0	0	5	0	8
Total	**11,428**	**7,428**	**301**	**2,847**	**293**	**394**	**165**

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	2,324	7	672	330	1,305	8	2
Transborder	14	0	1	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	**2,338**	**7**	**673**	**330**	**1,318**	**8**	**2**
Prince George							
Domestic	2,063	1,165	456	37	320	62	23
Transborder	11	1	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	**2,074**	**1,166**	**456**	**37**	**330**	**62**	**23**
Québec/Jean Lesage International							
Domestic	7,137	3,481	2,074	462	762	279	79
Transborder	887	780	13	4	90	0	0
Other international	31	26	0	2	3	0	0
Total	**8,055**	**4,287**	**2,087**	**468**	**855**	**279**	**79**
Regina International							
Domestic	3,184	1,734	752	74	416	169	39
Transborder	457	334	6	6	102	1	8
Other international	0	0	0	0	0	0	0
Total	**3,641**	**2,068**	**758**	**80**	**518**	**170**	**47**
Saskatoon/John G. Diefenbaker International							
Domestic	5,559	3,195	879	381	720	311	73
Transborder	441	343	16	0	78	2	2
Other international	2	2	0	0	0	0	0
Total	**6,002**	**3,540**	**895**	**381**	**798**	**313**	**75**
Sault Ste. Marie							
Domestic	2,280	1,134	69	956	62	38	21
Transborder	6	1	2	0	2	0	1
Other international	2	0	2	0	0	0	0
Total	**2,288**	**1,135**	**73**	**956**	**64**	**38**	**22**
St. John's International							
Domestic	3,473	2,607	528	4	80	232	22
Transborder	137	79	0	2	21	0	35
Other international	169	103	9	4	13	0	40
Total	**3,779**	**2,789**	**537**	**10**	**114**	**232**	**97**
St-Jean							
Domestic	1,750	16	158	77	884	4	611
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	**1,753**	**16**	**158**	**77**	**887**	**4**	**611**
Thunder Bay							
Domestic	5,434	3,368	255	1,408	242	116	45
Transborder	79	64	0	0	13	2	0
Other international	0	0	0	0	0	0	0
Total	**5,513**	**3,432**	**255**	**1,408**	**255**	**118**	**45**
Toronto/Billy Bishop Toronto City							
Domestic	6,051	3,956	632	1,113	340	10	0
Transborder	1,667	1,568	3	4	90	0	2
Other international	0	0	0	0	0	0	0
Total	**7,718**	**5,524**	**635**	**1,117**	**430**	**10**	**2**
Toronto/Buttonville Municipal							
Domestic	5,013	162	2,577	108	2,090	71	5
Transborder	162	22	15	6	119	0	0
Other international	3	0	0	0	3	0	0
Total	**5,178**	**184**	**2,592**	**114**	**2,212**	**71**	**5**

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
				number			
Toronto/Lester B. Pearson International							
Domestic	15,959	15,186	358	34	340	22	19
Transborder	15,721	14,741	319	23	637	0	1
Other international	4,624	4,334	255	1	34	0	0
Total	**36,304**	**34,261**	**932**	**58**	**1,011**	**22**	**20**
Vancouver Harbour							
Domestic	3,673	3,286	354	0	26	0	7
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**3,677**	**3,286**	**354**	**0**	**30**	**0**	**7**
Vancouver International							
Domestic	17,571	15,514	1,418	51	431	142	15
Transborder	4,348	4,016	56	30	244	0	2
Other international	1,538	1,528	3	3	2	0	2
Total	**23,457**	**21,058**	**1,477**	**84**	**677**	**142**	**19**
Victoria International							
Domestic	6,120	2,480	2,118	320	1,070	24	108
Transborder	600	424	28	4	134	0	10
Other international	2	1	1	0	0	0	0
Total	**6,722**	**2,905**	**2,147**	**324**	**1,204**	**24**	**118**
Whitehorse International							
Domestic	1,354	835	256	27	194	40	2
Transborder	30	2	1	0	26	1	0
Other international	1	1	0	0	0	0	0
Total	**1,385**	**838**	**257**	**27**	**220**	**41**	**2**
Windsor							
Domestic	1,489	584	558	24	309	12	2
Transborder	85	23	20	0	40	0	2
Other international	10	1	3	0	6	0	0
Total	**1,584**	**608**	**581**	**24**	**355**	**12**	**4**
Winnipeg/James Armstrong Richardson International							
Domestic	8,924	7,612	227	67	285	397	336
Transborder	1,123	975	11	7	120	0	10
Other international	7	6	0	0	1	0	0
Total	**10,054**	**8,593**	**238**	**74**	**406**	**397**	**346**
Winnipeg/St. Andrews							
Domestic	3,186	592	1,730	472	388	2	2
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	**3,194**	**592**	**1,730**	**472**	**396**	**2**	**2**
Yellowknife							
Domestic	3,189	2,726	177	68	57	60	101
Transborder	2	1	0	0	0	0	1
Other international	5	2	0	0	1	0	2
Total	**3,196**	**2,729**	**177**	**68**	**58**	**60**	**104**
Total of NAV CANADA towers (42)							
Domestic	222,108	129,001	36,257	25,200	23,597	4,643	3,410
Transborder	41,946	37,124	930	183	3,559	25	125
Other international	9,275	8,632	309	27	211	1	95
Total	**273,329**	**174,757**	**37,496**	**25,410**	**27,367**	**4,669**	**3,630**

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	1,258	94	302	32	470	23	337
Transborder	24	0	0	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	**1,282**	**94**	**302**	**32**	**494**	**23**	**337**
Campbell River							
Domestic	1,276	657	133	153	327	4	2
Transborder	20	2	0	0	18	0	0
Other international	0	0	0	0	0	0	0
Total	**1,296**	**659**	**133**	**153**	**345**	**4**	**2**
Castlegar							
Domestic	537	231	70	191	33	10	2
Transborder	5	0	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**542**	**231**	**71**	**191**	**37**	**10**	**2**
Charlottetown							
Domestic	928	673	27	6	171	31	20
Transborder	7	1	0	0	6	0	0
Other international	2	1	0	0	0	1	0
Total	**937**	**675**	**27**	**6**	**177**	**32**	**20**
Churchill							
Domestic	928	764	94	10	20	22	18
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**930**	**764**	**94**	**10**	**22**	**22**	**18**
Cranbrook							
Domestic	701	509	42	11	122	8	9
Transborder	10	1	2	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	**711**	**510**	**44**	**11**	**129**	**8**	**9**
Deer Lake							
Domestic	1,439	1,264	34	10	57	66	8
Transborder	4	0	2	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,443**	**1,264**	**36**	**10**	**59**	**66**	**8**
Fort Nelson							
Domestic	1,736	392	1,245	8	83	8	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**1,737**	**392**	**1,245**	**8**	**84**	**8**	**0**
Fort St. John							
Domestic	2,354	894	1,172	10	270	8	0
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**2,358**	**895**	**1,172**	**10**	**273**	**8**	**0**
Grande Prairie							
Domestic	2,530	995	881	36	580	26	12
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	**2,536**	**995**	**881**	**36**	**586**	**26**	**12**
High Level							
Domestic	821	440	301	8	46	26	0
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**822**	**440**	**302**	**8**	**46**	**26**	**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			
Îles-de-la-Madeleine							
Domestic	392	329	17	0	10	36	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**396**	**329**	**17**	**0**	**14**	**36**	**0**
Inuvik/Mike Zubko							
Domestic	1,028	785	193	0	9	27	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,028**	**785**	**193**	**0**	**9**	**27**	**14**
Iqaluit							
Domestic	1,479	1,176	65	3	29	155	51
Transborder	16	1	0	1	9	0	5
Other international	58	21	2	3	24	0	8
Total	**1,553**	**1,198**	**67**	**7**	**62**	**155**	**64**
Kamloops							
Domestic	2,104	887	564	194	424	29	6
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	**2,109**	**887**	**564**	**194**	**429**	**29**	**6**
Kenora							
Domestic	742	477	88	116	48	9	4
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	**748**	**478**	**88**	**116**	**53**	**9**	**4**
Kingston							
Domestic	1,483	564	323	222	339	6	29
Transborder	61	7	9	0	45	0	0
Other international	1	0	0	0	1	0	0
Total	**1,545**	**571**	**332**	**222**	**385**	**6**	**29**
Kuujjuaq							
Domestic	963	837	63	19	11	33	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**963**	**837**	**63**	**19**	**11**	**33**	**0**
La Grande Rivière							
Domestic	705	504	156	0	35	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**705**	**504**	**156**	**0**	**35**	**10**	**0**
La Ronge							
Domestic	1,475	1,290	17	2	75	91	0
Transborder	3	0	0	0	2	1	0
Other international	1	1	0	0	0	0	0
Total	**1,479**	**1,291**	**17**	**2**	**77**	**92**	**0**
Lethbridge							
Domestic	1,474	516	25	485	399	16	33
Transborder	78	8	2	0	61	0	7
Other international	0	0	0	0	0	0	0
Total	**1,552**	**524**	**27**	**485**	**460**	**16**	**40**
Lloydminster							
Domestic	939	235	282	14	368	23	17
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**941**	**236**	**282**	**14**	**369**	**23**	**17**

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
				number			
Medicine Hat							
Domestic	1,331	544	129	287	320	16	35
Transborder	9	1	0	1	6	0	1
Other international	0	0	0	0	0	0	0
Total	**1,340**	**545**	**129**	**288**	**326**	**16**	**36**
Mont-Joli							
Domestic	811	609	104	6	48	42	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**811**	**609**	**104**	**6**	**48**	**42**	**2**
Montréal/Mirabel International							
Domestic	757	566	24	2	154	2	9
Transborder	206	193	0	0	13	0	0
Other international	4	3	0	0	0	0	1
Total	**967**	**762**	**24**	**2**	**167**	**2**	**10**
Nanaimo							
Domestic	1,800	483	504	30	602	48	133
Transborder	18	1	2	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	**1,818**	**484**	**506**	**30**	**617**	**48**	**133**
Norman Wells							
Domestic	947	666	233	10	27	10	1
Transborder	1	0	1	0	0	0	0
Other international	1	0	0	0	0	0	1
Total	**949**	**666**	**234**	**10**	**27**	**10**	**2**
North Bay							
Domestic	1,861	743	212	296	570	13	27
Transborder	9	3	0	0	6	0	0
Other international	1	0	0	0	0	0	1
Total	**1,871**	**746**	**212**	**296**	**576**	**13**	**28**
Ottawa/Gatineau							
Domestic	1,361	109	339	281	612	12	8
Transborder	11	0	0	0	11	0	0
Other international	2	0	1	0	1	0	0
Total	**1,374**	**109**	**340**	**281**	**624**	**12**	**8**
Peace River							
Domestic	849	369	380	10	74	16	0
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**850**	**369**	**381**	**10**	**74**	**16**	**0**
Penticton							
Domestic	1,077	295	348	69	298	0	67
Transborder	13	0	1	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	**1,090**	**295**	**349**	**69**	**310**	**0**	**67**
Port Hardy							
Domestic	520	424	41	0	24	23	8
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**524**	**424**	**41**	**0**	**28**	**23**	**8**
Prince Albert							
Domestic	1,798	1,533	32	5	99	129	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	**1,803**	**1,533**	**32**	**5**	**104**	**129**	**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			
Prince Rupert							
Domestic	257	185	6	2	50	14	0
Transborder	6	0	0	0	6	0	0
Other international	1	0	0	0	0	1	0
Total	**264**	**185**	**6**	**2**	**56**	**15**	**0**
Rankin Inlet							
Domestic	946	857	44	19	10	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**946**	**857**	**44**	**19**	**10**	**16**	**0**
Red Deer Regional							
Domestic	2,230	546	693	166	793	28	4
Transborder	16	3	2	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	**2,246**	**549**	**695**	**166**	**804**	**28**	**4**
Rouyn-Noranda							
Domestic	1,234	852	192	54	126	10	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,235**	**853**	**192**	**54**	**126**	**10**	**0**
Saint John							
Domestic	1,214	790	77	44	294	4	5
Transborder	67	1	0	0	66	0	0
Other international	3	0	0	0	3	0	0
Total	**1,284**	**791**	**77**	**44**	**363**	**4**	**5**
Sept-Îles							
Domestic	2,284	1,438	567	25	157	96	1
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	**2,293**	**1,438**	**567**	**25**	**166**	**96**	**1**
Sioux Lookout							
Domestic	2,366	2,035	92	178	25	36	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,368**	**2,035**	**92**	**178**	**27**	**36**	**0**
Smithers							
Domestic	929	496	325	20	70	14	4
Transborder	10	4	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	**939**	**500**	**325**	**20**	**76**	**14**	**4**
St. Catharines							
Domestic	1,385	6	880	21	450	24	4
Transborder	64	5	10	3	46	0	0
Other international	0	0	0	0	0	0	0
Total	**1,449**	**11**	**890**	**24**	**496**	**24**	**4**
Sudbury							
Domestic	2,651	1,593	324	270	267	172	25
Transborder	23	2	1	0	19	0	1
Other international	1	0	0	0	1	0	0
Total	**2,675**	**1,595**	**325**	**270**	**287**	**172**	**26**
Terrace							
Domestic	1,639	715	817	3	86	18	0
Transborder	3	0	0	0	2	1	0
Other international	0	0	0	0	0	0	0
Total	**1,642**	**715**	**817**	**3**	**88**	**19**	**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	2,611	2,031	360	1	28	182	9
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,613**	**2,031**	**360**	**1**	**30**	**182**	**9**
Timmins							
Domestic	2,398	2,136	91	3	120	48	0
Transborder	5	2	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**2,403**	**2,138**	**91**	**3**	**123**	**48**	**0**
Val-d'Or							
Domestic	1,083	781	79	28	166	21	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,083**	**781**	**79**	**28**	**166**	**21**	**8**
Victoria Harbour							
Domestic	1,868	1,729	33	0	5	94	7
Transborder	206	206	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**2,074**	**1,935**	**33**	**0**	**5**	**94**	**7**
Wabush							
Domestic	1,620	1,236	192	10	166	14	2
Transborder	2	1	1	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	**1,623**	**1,238**	**193**	**10**	**166**	**14**	**2**
Whitecourt							
Domestic	861	51	534	136	130	6	4
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**864**	**52**	**534**	**136**	**132**	**6**	**4**
Williams Lake							
Domestic	741	460	121	26	128	4	2
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	**746**	**460**	**121**	**26**	**133**	**4**	**2**
Total of all flight service stations (51)							
Domestic	68,721	38,791	13,867	3,532	9,825	1,779	927
Transborder	960	447	36	5	456	2	14
Other international	76	27	3	3	30	2	11
Total	**69,757**	**39,265**	**13,906**	**3,540**	**10,311**	**1,783**	**952**

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	14	10,613	27	14	115	29	639
Boundary Bay	15	10,109	27	15	115	28	683
Calgary International	3	21,334	24	19	64	9	819
Calgary/Springbank	7	14,572	25	13	135	11	758
Chicoutimi/St-Honoré	19	9,567	22	21	139	21	725
Edmonton City Centre	33	4,250	12	11	43	12	295
Edmonton International	8	13,825	16	16	57	1	588
Edmonton/Villeneuve	29	5,081	29	15	66	20	361
Fort McMurray	24	6,380	24	8	45	24	301
Fredericton International	16	9,888	30	17	65	21	646
Gander International	39	3,299	30	12	47	14	245
Halifax/Robert L. Stanfield International	23	7,270	29	17	34	21	284
Hamilton	40	2,806	12	11	29	29	146
Kelowna	26	6,146	29	15	55	29	338
Kitchener/Waterloo	17	9,883	28	20	93	30	731
Langley	32	4,681	12	14	67	5	349
London	27	5,318	29	15	51	11	305
Moncton/Greater Moncton International	22	7,977	21	19	55	9	425
Montréal/Pierre Elliott Trudeau International	4	18,827	30	18	66	3	691
Montréal/St-Hubert	6	17,274	29	9	134	29	1,330
Oshawa	31	4,779	11	19	53	11	357
Ottawa/Macdonald-Cartier International	5	17,522	19	11	106	3	816
Pitt Meadows	25	6,212	4	13	78	29	454
Prince George	37	3,416	14	12	56	28	235
Québec/Jean Lesage International	11	11,007	23	16	76	3	604
Regina International	30	4,999	19	12	31	2	253
Saskatoon/John G. Diefenbaker International	20	8,846	8	19	63	8	429
Sault Ste. Marie	28	5,142	13	16	66	18	360
St. John's International	34	4,001	26	16	31	26	177
St-Jean	38	3,309	5	17	50	5	366
Thunder Bay	13	10,801	7	20	92	23	618
Toronto/Billy Bishop Toronto City	18	9,662	30	16	63	11	441
Toronto/Buttonville Municipal	9	11,706	2	11	112	2	1,025
Toronto/Lester B. Pearson International	1	36,412	17	18	98	25	1,274
Vancouver Harbour	36	3,679	3	17	31	3	215
Vancouver International	2	23,565	30	8	75	9	915
Victoria International	10	11,044	9	13	86	29	586
Whitehorse International	42	1,875	13	12	32	10	115
Windsor	41	2,364	27	9	30	2	208
Winnipeg/James Armstrong Richardson International	12	10,984	29	15	45	29	455
Winnipeg/St. Andrews	21	8,800	16	14	73	2	551
Yellowknife	35	3,760	23	15	37	30	230

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	16	2,288	7	15	35	19	190
Campbell River	18	2,168	2	13	38	16	134
Castlegar	44	836	10	13	49	8	94
Charlottetown	36	1,121	14	19	18	14	65
Churchill	41	948	4	14	13	4	48
Cranbrook	47	781	14	11	17	14	56
Deer Lake	30	1,471	28	14	18	28	69
Fort Nelson	23	1,821	31	15	26	2	97
Fort St. John	10	2,776	28	16	32	11	192
Grande Prairie	5	3,258	14	15	47	16	168
High Level	42	878	10	10	19	10	70
Îles-de-la-Madeleine	50	404	1	14	3	24	20
Inuvik/Mike Zubko	37	1,050	30	11	11	30	61
Iqaluit	28	1,597	24	12	15	24	114
Kamloops	7	3,115	11	11	50	1	189
Kenora	38	1,048	10	20	18	16	86
Kingston	17	2,202	23	13	38	29	157
Kuujjuaq	39	1,019	14	16	10	11	53
La Grande Rivière	48	715	9	12	7	21	39
La Ronge	26	1,627	30	11	18	30	113
Lethbridge	9	2,848	16	20	45	9	179
Lloydminster	31	1,375	7	14	32	5	112
Medicine Hat	20	1,916	20	11	30	25	121
Mont-Joli	45	819	1	10	7	1	44
Montréal/Mirabel International	12	2,545	4	11	40	10	218
Nanaimo	6	3,142	26	16	54	29	224
Norman Wells	35	1,149	22	20	19	30	91
North Bay	3	4,265	2	12	73	29	327
Ottawa/Gatineau	1	4,346	10	20	68	10	296
Peace River	43	858	9	9	9	9	62
Penticton	24	1,800	4	19	31	4	134
Port Hardy	49	538	3	9	8	2	42
Prince Albert	22	1,863	8	13	16	4	91
Prince Rupert	51	264	2	10	12	2	54
Rankin Inlet	40	950	7	18	8	18	45
Red Deer Regional	2	4,344	30	12	88	29	259
Rouyn-Noranda	34	1,275	5	12	12	22	70
Saint John	29	1,584	25	10	17	9	84
Sept-Îles	13	2,535	1	16	30	1	142
Sioux Lookout	15	2,394	30	8	16	30	115
Smithers	33	1,285	23	16	88	23	268
St. Catharines	8	2,851	1	13	42	2	200
Sudbury	4	3,649	3	18	34	8	199
Terrace	25	1,738	3	17	20	2	84
Thompson	11	2,735	10	10	23	3	139
Timmins	14	2,525	10	15	23	10	152
Val-d'Or	32	1,351	23	14	31	10	95
Victoria Harbour	19	2,088	2	16	17	2	120
Wabush	27	1,623	4	18	16	6	79
Whitecourt	21	1,896	14	16	43	16	125
Williams Lake	46	782	16	16	10	16	45

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	23	3,825	23	14	32	29	215
Boundary Bay	18	4,725	6	14	46	6	329
Calgary International	3	21,108	24	19	62	9	813
Calgary/Springbank	14	5,846	26	13	50	26	315
Chicoutimi/St-Honoré	37	2,071	9	9	19	29	135
Edmonton City Centre	27	3,514	12	11	39	12	253
Edmonton International	5	13,569	1	17	55	1	588
Edmonton/Villeneuve	40	1,641	6	10	33	6	229
Fort McMurray	15	5,648	16	9	30	16	261
Fredericton International	21	4,082	19	12	22	21	230
Gander International	38	1,925	9	9	15	7	114
Halifax/Robert L. Stanfield International	11	6,940	3	17	23	21	260
Hamilton	35	2,080	12	11	13	9	108
Kelowna	20	4,236	29	15	23	29	196
Kitchener/Waterloo	22	3,979	11	15	34	8	274
Langley	32	2,641	27	15	45	14	259
London	28	3,200	11	15	24	9	176
Moncton/Greater Moncton International	19	4,275	26	12	22	9	205
Montréal/Pierre Elliott Trudeau International	4	18,763	30	18	66	3	689
Montréal/St-Hubert	10	7,136	29	11	50	29	496
Oshawa	31	2,785	9	8	33	29	205
Ottawa/Macdonald-Cartier International	6	11,428	9	17	44	3	484
Pitt Meadows	33	2,338	13	14	34	29	170
Prince George	36	2,074	16	16	20	11	107
Québec/Jean Lesage International	8	8,055	1	11	41	11	362
Regina International	26	3,641	4	15	16	2	165
Saskatoon/John G. Diefenbaker International	13	6,002	1	15	25	10	243
Sault Ste. Marie	34	2,288	19	17	20	19	147
St. John's International	24	3,779	8	12	17	7	144
St-Jean	39	1,753	13	15	38	27	322
Thunder Bay	16	5,513	9	15	30	30	254
Toronto/Billy Bishop Toronto City	9	7,718	20	17	37	11	357
Toronto/Buttonville Municipal	17	5,178	11	17	44	11	359
Toronto/Lester B. Pearson International	1	36,304	17	18	98	25	1,270
Vancouver Harbour	25	3,677	3	17	31	3	215
Vancouver International	2	23,457	30	8	75	9	905
Victoria International	12	6,722	3	16	34	3	330
Whitehorse International	42	1,385	21	16	16	2	73
Windsor	41	1,584	12	10	15	2	82
Winnipeg/James Armstrong Richardson International	7	10,054	2	14	35	2	389
Winnipeg/St. Andrews	30	3,194	9	16	27	2	169
Yellowknife	29	3,196	23	15	21	30	166

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	27	1,282	6	10	31	19	166
Campbell River	25	1,296	3	12	12	3	64
Castlegar	48	542	3	15	10	1	39
Charlottetown	38	937	23	12	7	23	42
Churchill	39	930	20	11	11	18	44
Cranbrook	46	711	14	11	7	4	42
Deer Lake	22	1,443	4	8	9	9	62
Fort Nelson	14	1,737	24	11	17	2	97
Fort St. John	6	2,358	8	10	19	30	111
Grande Prairie	3	2,536	3	15	14	17	123
High Level	42	822	6	14	11	4	50
Îles-de-la-Madeleine	50	396	1	14	3	24	20
Inuvik/Mike Zubko	31	1,028	30	13	11	25	57
Iqaluit	17	1,553	24	12	15	24	114
Kamloops	9	2,109	11	11	14	29	117
Kenora	44	748	16	18	9	16	52
Kingston	19	1,545	11	12	20	11	112
Kuujjuaq	33	963	14	16	8	11	53
La Grande Rivière	47	705	9	12	7	21	37
La Ronge	20	1,479	9	13	12	30	99
Lethbridge	18	1,552	9	11	12	9	85
Lloydminster	36	941	26	16	10	24	47
Medicine Hat	24	1,340	20	11	22	20	85
Mont-Joli	43	811	1	10	7	1	44
Montréal/Mirabel International	32	967	17	21	7	29	51
Nanaimo	12	1,818	13	12	29	13	106
Norman Wells	34	949	11	11	11	1	52
North Bay	11	1,871	12	11	32	12	187
Ottawa/Gatineau	23	1,374	5	12	26	5	180
Peace River	41	850	9	9	9	9	58
Penticton	29	1,090	18	16	14	18	60
Port Hardy	49	524	2	13	6	2	40
Prince Albert	13	1,803	8	13	16	8	82
Prince Rupert	51	264	2	10	12	2	54
Rankin Inlet	35	946	7	18	8	18	45
Red Deer Regional	8	2,246	15	13	24	26	111
Rouyn-Noranda	28	1,235	29	16	10	22	68
Saint John	26	1,284	21	17	10	9	62
Sept-Îles	7	2,293	10	16	17	10	105
Sioux Lookout	5	2,368	30	8	16	16	101
Smithers	37	939	21	13	11	16	57
St. Catharines	21	1,449	20	11	18	14	93
Sudbury	1	2,675	3	18	22	8	137
Terrace	15	1,642	16	9	15	2	84
Thompson	2	2,613	1	17	15	10	118
Timmins	4	2,403	9	11	15	9	120
Val-d'Or	30	1,083	10	17	12	10	61
Victoria Harbour	10	2,074	2	16	17	2	120
Wabush	16	1,623	4	18	16	6	79
Whitecourt	40	864	1	8	10	1	54
Williams Lake	45	746	29	9	9	8	39

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	4	6,788	27	14	104	29	424
Boundary Bay	10	5,384	27	15	78	28	406
Calgary International	37	226	5	18	18	5	66
Calgary/Springbank	2	8,726	25	13	108	11	488
Chicoutimi/St-Honoré	3	7,496	22	21	134	21	620
Edmonton City Centre	30	736	4	12	26	4	66
Edmonton International	36	256	16	20	16	16	32
Edmonton/Villeneuve	15	3,440	12	11	60	29	284
Fort McMurray	31	732	26	13	24	26	82
Fredericton International	8	5,806	16	10	50	21	416
Gander International	25	1,374	30	12	40	14	170
Halifax/Robert L. Stanfield International	35	330	29	17	18	29	30
Hamilton	32	726	11	16	24	29	66
Kelowna	23	1,910	29	15	32	30	186
Kitchener/Waterloo	7	5,904	28	20	80	30	478
Langley	20	2,040	28	12	44	5	142
London	19	2,118	15	17	42	20	158
Moncton/Greater Moncton International	14	3,702	20	11	42	9	220
Montréal/Pierre Elliott Trudeau International	41	64	19	21	4	2	6
Montréal/St-Hubert	1	10,138	29	9	96	29	834
Oshawa	21	1,994	10	20	44	11	156
Ottawa/Macdonald-Cartier International	6	6,094	4	16	70	3	332
Pitt Meadows	13	3,874	4	13	68	29	284
Prince George	27	1,342	14	12	50	28	148
Québec/Jean Lesage International	16	2,952	31	11	54	3	246
Regina International	26	1,358	19	12	22	2	88
Saskatoon/John G. Diefenbaker International	18	2,844	3	19	50	8	188
Sault Ste. Marie	17	2,854	13	16	60	18	260
St. John's International	38	222	26	16	28	26	58
St-Jean	24	1,556	25	15	34	29	116
Thunder Bay	11	5,288	7	20	84	23	404
Toronto/Billy Bishop Toronto City	22	1,944	30	17	36	27	134
Toronto/Buttonville Municipal	5	6,528	10	20	86	2	668
Toronto/Lester B. Pearson International	39	108	6	13	10	6	28
Vancouver Harbour	42	2	21	14	2	21	2
Vancouver International	40	108	9	9	10	23	28
Victoria International	12	4,322	9	13	58	29	294
Whitehorse International	34	490	13	12	28	11	50
Windsor	29	780	2	17	22	2	126
Winnipeg/James Armstrong Richardson International	28	930	29	9	18	29	78
Winnipeg/St. Andrews	9	5,606	9	10	60	2	382
Yellowknife	33	564	16	15	20	30	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	1,006	31	9	30	8	94
Campbell River	12	872	2	13	34	16	76
Castlegar	22	294	10	13	46	8	74
Charlottetown	26	184	14	19	16	14	26
Churchill	42	18	4	14	10	4	18
Cranbrook	32	70	3	13	12	14	18
Deer Lake	39	28	28	14	14	28	14
Fort Nelson	31	84	31	15	16	31	28
Fort St. John	18	418	4	20	24	11	92
Grande Prairie	13	722	14	15	40	20	64
High Level	35	56	10	10	14	10	40
Îles-de-la-Madeleine	48	8	4	14	2	4	2
Inuvik/Mike Zubko	41	22	30	11	6	30	12
Iqaluit	36	44	15	16	6	15	14
Kamloops	9	1,006	11	11	36	1	110
Kenora	21	300	10	19	14	17	50
Kingston	15	657	23	13	30	19	66
Kuujjuaq	34	56	25	18	8	25	14
La Grande Rivière	45	10	13	16	2	18	4
La Ronge	27	148	4	14	10	7	26
Lethbridge	7	1,296	16	20	44	16	130
Lloydminster	17	434	7	14	30	5	84
Medicine Hat	16	576	4	17	18	19	54
Mont-Joli	47	8	4	17	2	4	2
Montréal/Mirabel International	4	1,578	4	11	38	10	174
Nanaimo	6	1,324	26	16	48	14	130
Norman Wells	25	200	22	20	18	30	40
North Bay	2	2,394	2	12	66	28	234
Ottawa/Gatineau	1	2,972	10	20	66	10	218
Peace River	46	8	5	13	2	9	4
Penticton	14	710	4	19	28	4	88
Port Hardy	44	14	3	9	4	3	4
Prince Albert	33	60	4	19	10	4	14
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	49	4	9	13	2	9	2
Red Deer Regional	3	2,098	30	12	80	29	166
Rouyn-Noranda	37	40	3	18	4	5	12
Saint John	20	300	25	9	14	6	34
Sept-Îles	24	242	18	9	20	1	46
Sioux Lookout	40	26	30	9	10	30	14
Smithers	19	346	23	16	82	23	240
St. Catharines	5	1,402	1	13	34	1	130
Sudbury	11	974	22	11	22	3	78
Terrace	30	96	31	14	16	31	34
Thompson	28	122	15	19	16	3	42
Timmins	29	122	10	15	14	10	34
Val-d'Or	23	268	23	14	26	3	44
Victoria Harbour	43	14	25	15	8	25	8
Wabush	0	0	0	0	0	0	0
Whitecourt	8	1,032	14	16	34	16	80
Williams Lake	38	36	5	13	6	16	16

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	4	6,766	27	14	104	29	424
Boundary Bay	10	5,384	27	15	78	28	406
Calgary International	37	226	5	18	18	5	66
Calgary/Springbank	2	8,726	25	13	108	11	488
Chicoutimi/St-Honoré	3	7,492	22	21	134	21	620
Edmonton City Centre	30	736	4	12	26	4	66
Edmonton International	36	254	16	20	16	16	32
Edmonton/Villeneuve	15	3,440	12	11	60	29	284
Fort McMurray	31	732	26	13	24	26	82
Fredericton International	8	5,806	16	10	50	21	416
Gander International	25	1,374	30	12	40	14	170
Halifax/Robert L. Stanfield International	35	324	29	17	18	31	30
Hamilton	32	726	11	16	24	29	66
Kelowna	23	1,910	29	15	32	30	186
Kitchener/Waterloo	7	5,904	28	20	80	30	478
Langley	20	2,040	28	12	44	5	142
London	19	2,118	15	17	42	20	158
Moncton/Greater Moncton International	14	3,696	20	11	42	9	220
Montréal/Pierre Elliott Trudeau International	41	64	19	21	4	2	6
Montréal/St-Hubert	1	10,138	29	9	96	29	834
Oshawa	21	1,990	10	20	44	11	156
Ottawa/Macdonald-Cartier International	6	6,074	4	16	70	3	332
Pitt Meadows	13	3,874	4	13	68	29	284
Prince George	26	1,342	14	12	50	28	148
Québec/Jean Lesage International	16	2,944	31	11	54	3	246
Regina International	27	1,078	19	12	22	28	72
Saskatoon/John G. Diefenbaker International	18	2,740	3	19	50	8	188
Sault Ste. Marie	17	2,848	13	16	60	18	260
St. John's International	38	222	26	16	28	26	58
St-Jean	24	1,556	25	15	34	29	116
Thunder Bay	11	5,266	7	20	84	23	404
Toronto/Billy Bishop Toronto City	22	1,944	30	17	36	27	134
Toronto/Buttonville Municipal	5	6,528	10	20	86	2	668
Toronto/Lester B. Pearson International	39	108	6	13	10	6	28
Vancouver Harbour	42	2	21	14	2	21	2
Vancouver International	40	108	9	9	10	23	28
Victoria International	12	4,322	9	13	58	29	294
Whitehorse International	34	490	13	12	28	11	50
Windsor	29	780	2	17	22	2	126
Winnipeg/James Armstrong Richardson International	28	928	29	9	18	29	78
Winnipeg/St. Andrews	9	5,606	9	10	60	2	382
Yellowknife	33	564	16	15	20	30	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	10	982	31	9	30	8	94
Campbell River	12	872	2	13	34	16	76
Castlegar	21	294	10	13	46	8	74
Charlottetown	26	180	14	19	16	14	26
Churchill	42	18	4	14	10	4	18
Cranbrook	32	70	3	13	12	14	18
Deer Lake	39	28	28	14	14	28	14
Fort Nelson	31	84	31	15	16	31	28
Fort St. John	18	418	4	20	24	11	92
Grande Prairie	13	722	14	15	40	20	64
High Level	34	56	10	10	14	10	40
Îles-de-la-Madeleine	48	6	4	14	2	4	2
Inuvik/Mike Zubko	41	22	30	11	6	30	12
Iqaluit	36	44	15	16	6	15	14
Kamloops	9	1,002	11	11	36	1	110
Kenora	20	300	10	19	14	17	50
Kingston	15	645	23	13	30	19	66
Kuujjuaq	33	56	25	18	8	25	14
La Grande Rivière	45	10	13	16	2	18	4
La Ronge	27	148	4	14	10	7	26
Lethbridge	7	1,252	26	11	36	9	94
Lloydminster	17	434	7	14	30	5	84
Medicine Hat	16	576	4	17	18	19	54
Mont-Joli	47	8	4	17	2	4	2
Montréal/Mirabel International	4	1,574	4	11	38	10	174
Nanaimo	6	1,322	26	16	48	14	130
Norman Wells	25	200	22	20	18	30	40
North Bay	2	2,392	2	12	66	28	234
Ottawa/Gatineau	1	2,972	10	20	66	10	218
Peace River	46	8	5	13	2	9	4
Penticton	14	710	4	19	28	4	88
Port Hardy	44	12	3	9	4	3	4
Prince Albert	35	54	4	19	10	4	14
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	49	4	9	13	2	9	2
Red Deer Regional	3	2,098	30	12	80	29	166
Rouyn-Noranda	37	40	3	18	4	5	12
Saint John	22	286	25	10	14	6	34
Sept-Îles	24	242	18	9	20	1	46
Sioux Lookout	40	26	30	9	10	30	14
Smithers	19	346	23	16	82	23	240
St. Catharines	5	1,402	1	13	34	1	130
Sudbury	11	974	22	11	22	3	78
Terrace	30	96	31	14	16	31	34
Thompson	28	122	15	19	16	3	42
Timmins	29	122	10	15	14	10	34
Val-d'Or	23	268	23	14	26	3	44
Victoria Harbour	43	14	25	15	8	25	8
Wabush	0	0	0	0	0	0	0
Whitecourt	8	1,032	14	16	34	16	80
Williams Lake	38	36	5	13	6	16	16

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	3	22	15	18	16	15	22
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	10	4	8	14	2	8	2
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	12	2	21	9	2	21	2
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	7	6	1	14	2	1	2
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	8	6	1	13	2	1	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	11	4	5	10	2	5	2
Ottawa/Macdonald-Cartier International	5	20	31	12	10	31	12
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	6	8	15	12	2	15	2
Regina International	1	280	4	10	10	18	26
Saskatoon/John G. Diefenbaker International	2	104	7	19	22	7	28
Sault Ste. Marie	9	6	4	17	2	4	2
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	22	10	12	6	18	10
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	13	2	23	16	2	23	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	24	24	11	12	24	12
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	6	4	1	13	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	9	2	30	9	2	30	2
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	8	4	26	12	4	26	4
Kenora	0	0	0	0	0	0	0
Kingston	4	12	3	11	8	3	8
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	1	44	16	20	22	16	36
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	7	4	9	10	2	9	2
Nanaimo	11	2	4	16	2	4	2
Norman Wells	0	0	0	0	0	0	0
North Bay	10	2	23	12	2	23	2
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	12	2	4	15	2	4	2
Prince Albert	5	6	10	17	2	10	2
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	3	14	25	9	12	25	12
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

On October 28th, Westjet launched a new non-stop seasonal service between Calgary International Airport and Miami International Airport. The airline will start service four times a week until December 14th. Effective December 16th the service increases to six times weekly.

On October 27th, Air Canada rouge launched service between Toronto/Lester B. Pearson International Airport and Las Vegas. The airline will offer ten flights per week for the winter 2013-2014 season.

In July 2013 Air Canada began operations of its new leisure subsidiary Air Canada rouge. Flying out of Toronto/Lester B. Pearson International Airport and Montréal/Pierre Elliott Trudeau International, the new carrier will initially serve three European and ten Caribbean and Latin American destinations.

On June 24th, 2013 Westjet launched its new regional carrier, Westjet Encore, into operations. The new airline commenced flights to Fort St. John, Nanaimo, Vancouver and Victoria, British Columbia and Saskatoon, Saskatchewan.

Starting April 2013, Porter Airlines added a fourth round-trip weekday flight between Toronto/Billy Bishop Toronto City Airport and Windsor.

In April 2013, Westjet expanded its summer service from Hamilton Airport by adding daily non-stop flights to Edmonton, Halifax, Moncton and Winnipeg.

Significant winter storms struck eastern Canada and the Maritime provinces in December 2012 forcing numerous flight cancellations and delays.

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

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.