

Catalogue no. 51-007-X

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



April 2011



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Statistics Canada  
Transportation Division

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

April 2011

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

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## Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.9% in April 2011 from April 2010. These airports reported 462,118 movements in April compared with 490,868 movements in April 2010.
- There were 317,499 itinerant movements (flights from one airport to another) reported in April 2011. This represents a 7.4% decrease (-25,349 movements) compared with the same month a year earlier.
- In April 2011, there were 144,619 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.3% (-3,401 movements) compared with the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	percent	number	percent	number	percent
<b>Grand total</b>	<b>370,607</b>	<b>-6.8</b>	<b>91,511</b>	<b>-1.9</b>	<b>462,118</b>	<b>-5.9</b>
<b>Itinerant movements</b>						
Air carriers	198,643	-5.3	48,694	-3.4	247,337	-4.9
Other commercial movements	22,091	-27.8	3,541	11.5	25,632	-24.1
Private movements	24,911	-9.9	8,965	-2.5	33,876	-8.1
Government civil movements	4,442	-11.9	1,789	-13.3	6,231	-12.3
Government military movements	3,551	-6.7	872	-24.8	4,423	-10.9
Itinerant total	253,638	-8.4	63,861	-3.2	317,499	-7.4
<b>Local movements</b>						
Civil local movements	116,502	-2.8	26,848	0.4	143,350	-2.2
Military local movements	467	-46.9	802	56.0	1,269	-9.0
Local total	116,969	-3.1	27,650	1.4	144,619	-2.3

## Analysis

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Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.9% in April 2011 from April 2010. These airports reported 462,118 movements in April compared with 490,868 movements in April 2010. Year-over-year decreases were reported by 51 airports. Toronto/Lester B Pearson International, Ontario (34,954 movements) followed by Vancouver International, British Columbia (23,348 movements) were the most active sites in April 2011.

There were 317,499 itinerant movements (flights from one airport to another) reported in April 2011. This represents a 7.4% decrease (-25,349 movements) compared with the same month a year earlier. The year-over-year variations ranged from an increase of 1,310 movements (+3.9%) at Toronto/Lester B Pearson International, Ontario to a drop of 3,058 movements (-36.8%) at Toronto/Billy Bishop Toronto City, Ontario. Fifty seven airports reported year-over-year decreases in the number of itinerant aircraft movements in April 2011.

In April 2011, there were 144,619 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.3% (-3,401 movements) compared with the previous year. Montréal/St-Hubert, Quebec (8,078 movements) followed by Calgary/Springbank, Alberta (7,466 movements) recorded the largest number of local movements.

### **Itinerant movements: domestic, transborder and international**

There were 264,217 domestic itinerant movements reported in April 2011, down 8.8% (-25,358 movements) from April 2010. Vancouver International, British Columbia (17,378 movements) followed by Calgary International, Alberta (14,364 movements) reported the greatest number of domestic itinerant movements.

Seventy-five airports reported 41,434 transborder itinerant movements (between Canada and the United States) in April 2011, down 0.5% (-223 movements) from the previous year. Toronto/Lester B Pearson International, Ontario (15,446 movements) reported the greatest number of transborder itinerant movements. This represents 37.3% of the total transborder itinerant movements.

In April 2011, forty airports reported 11,848 other international itinerant movements, up 2.0% (+232 movements) from the previous year. Toronto/Lester B Pearson International, Ontario (5,079 movements) recorded the greatest number of other international itinerant movements. This represents 42.9% of the total other international itinerant movements reported.



## Related products

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### Selected publications from Statistics Canada

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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)

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### Selected CANSIM tables from Statistics Canada

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

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### **Selected surveys from Statistics Canada**

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2715	Aircraft Movement Statistics
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### **Selected summary tables from Statistics Canada**

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

# Statistical tables

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**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	16	8,563	29	3,263	7	5,300
Boundary Bay	10	11,695	17	4,527	3	7,168
Calgary International	3	18,481	3	18,323	39	158
Calgary/Springbank	7	12,326	15	4,860	2	7,466
Chicoutimi/St-Honoré	23	6,816	38	1,802	8	5,014
Edmonton City Centre	28	5,546	14	4,892	33	654
Edmonton International	12	10,893	6	10,421	34	472
Edmonton/Villeneuve	19	7,479	39	1,731	6	5,748
Fort McMurray	31	5,313	22	3,841	30	1,472
Fredericton International	33	5,084	32	2,498	21	2,586
Gander International	40	3,005	36	1,877	31	1,128
Halifax/Robert L. Stanfield International	22	7,080	10	6,730	36	350
Hamilton	39	3,288	34	2,344	32	944
Kelowna	24	6,693	19	4,169	22	2,524
Kitchener/Waterloo	25	6,316	30	2,958	14	3,358
Langley	26	6,273	33	2,453	12	3,820
London	18	7,787	24	3,707	11	4,080
Moncton/Greater Moncton International	27	6,264	25	3,656	19	2,608
Montréal/Pierre Elliott Trudeau International	4	18,361	4	18,205	40	156
Montréal/St-Hubert	5	14,582	11	6,504	1	8,078
Oshawa	37	3,626	40	1,546	23	2,080
Ottawa/Macdonald-Cartier International	6	13,359	5	10,561	17	2,798
Pitt Meadows	14	9,799	23	3,721	5	6,078
Prince George	29	5,522	31	2,606	16	2,916
Québec/Jean Lesage International	11	10,897	8	7,119	13	3,778
Regina International	32	5,272	26	3,654	27	1,618
Saskatoon/John G. Diefenbaker International	17	8,501	12	5,327	15	3,174
Sault Ste. Marie	34	4,819	35	2,089	18	2,730
St. John's International	36	3,692	28	3,356	37	336
St-Jean	41	2,508	42	910	28	1,598
Thunder Bay	21	7,257	16	4,658	20	2,599
Toronto/Billy Bishop Toronto City	20	7,273	13	5,263	24	2,010
Toronto/Buttonville Municipal	15	9,468	18	4,508	9	4,960
Toronto/Lester B. Pearson International	1	34,954	1	34,766	38	188
Vancouver Harbour	35	4,092	20	4,090	42	2
Vancouver International	2	23,348	2	23,318	41	30
Victoria International	8	11,767	9	7,065	10	4,702
Whitehorse International	38	3,519	37	1,869	26	1,650
Windsor	42	1,433	41	1,015	35	418
Winnipeg/James Armstrong Richardson International	9	11,719	7	10,031	25	1,688
Winnipeg/St. Andrews	13	10,446	27	3,428	4	7,018
Yellowknife	30	5,491	21	3,977	29	1,514
<b>Total of NAV CANADA towers (42)</b>	.	<b>370,607</b>	.	<b>253,638</b>	.	<b>116,969</b>

**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	29	1,463	33	973	19	490
Campbell River	15	2,409	21	1,353	10	1,056
Castlegar	21	1,913	34	967	13	946
Charlottetown	41	824	40	718	34	106
Churchill	39	966	35	966	0	0
Cranbrook	40	946	39	766	29	180
Deer Lake	25	1,612	22	1,248	23	364
Fort Nelson	27	1,585	18	1,463	30	122
Fort St. John	12	2,551	10	1,789	15	762
Grande Prairie	4	3,563	5	2,267	7	1,296
High Level	34	1,225	32	983	28	242
Îles-de-la-Madeleine	51	378	50	378	0	0
Inuvik/Mike Zubko	43	663	42	643	42	20
Iqaluit	22	1,750	13	1,660	36	90
Kamloops	10	2,873	11	1,760	9	1,113
Kenora	20	1,917	37	867	11	1,050
Kingston	13	2,544	19	1,422	8	1,122
Kuujuuaq	37	1,128	31	1,012	33	116
La Grande Rivière	42	692	41	692	0	0
La Ronge	23	1,681	20	1,387	26	294
Lethbridge	24	1,632	30	1,024	17	608
Lloydminster	32	1,371	38	851	18	520
Medicine Hat	33	1,370	29	1,036	25	334
Mont-Joli	49	440	49	440	0	0
Montréal/Mirabel International	7	3,067	12	1,753	6	1,314
Nanaimo	6	3,284	7	1,952	5	1,332
Norman Wells	45	640	43	634	45	6
North Bay	1	4,133	14	1,627	1	2,506
Ottawa/Gatineau	2	3,958	17	1,488	2	2,470
Peace River	48	544	48	514	41	30
Penticton	3	3,948	16	1,492	3	2,456
Port Hardy	47	607	44	593	43	14
Prince Albert	17	2,098	15	1,612	20	486
Prince Rupert	50	400	51	280	31	120
Rankin Inlet	36	1,180	24	1,180	0	0
Red Deer Regional	5	3,293	9	1,791	4	1,502
Rouyn-Noranda	31	1,391	26	1,129	27	262
Saint John	26	1,586	25	1,146	22	440
Sept-Îles	14	2,493	6	2,041	21	452
Sioux Lookout	16	2,357	3	2,298	39	59
Smithers	46	617	47	517	35	100
St. Catharines	19	1,971	36	959	12	1,012
Sudbury	8	3,016	4	2,276	16	740
Terrace	35	1,186	28	1,068	32	118
Thompson	11	2,652	2	2,604	40	48
Timmins	18	1,994	8	1,908	37	86
Val-d'Or	28	1,528	23	1,182	24	346
Victoria Harbour	9	2,909	1	2,903	44	6
Wabush	38	1,098	27	1,098	0	0
Whitecourt	30	1,422	45	584	14	838
Williams Lake	44	643	46	567	38	76
<b>Total of all flight service stations (51)</b>	.	<b>91,511</b>	.	<b>63,861</b>	.	<b>27,650</b>

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Abbotsford	8,447	2,325	826	5,296	116	112	4	
Boundary Bay	11,693	3,358	1,167	7,168	2	2	0	
Calgary International	18,385	16,890	1,337	158	96	96	0	
Calgary/Springbank	12,326	3,446	1,414	7,466	0	0	0	
Chicoutimi/St-Honoré	6,796	1,694	108	4,994	20	0	20	
Edmonton City Centre	5,533	3,661	1,218	654	13	13	0	
Edmonton International	10,864	9,712	688	464	29	21	8	
Edmonton/Villeneuve	6,999	817	434	5,748	480	480	0	
Fort McMurray	5,307	3,250	589	1,468	6	2	4	
Fredericton International	5,073	2,341	146	2,586	11	11	0	
Gander International	2,766	1,369	269	1,128	239	239	0	
Halifax/Robert L. Stanfield International	7,010	6,443	241	326	70	46	24	
Hamilton	3,266	1,712	622	932	22	10	12	
Kelowna	6,624	3,556	556	2,512	69	57	12	
Kitchener/Waterloo	6,313	2,159	796	3,358	3	3	0	
Langley	6,271	1,516	935	3,820	2	2	0	
London	7,761	3,099	596	4,066	26	12	14	
Moncton/Greater Moncton International	6,251	3,397	252	2,602	13	7	6	
Montréal/Pierre Elliott Trudeau International	18,351	16,918	1,277	156	10	10	0	
Montréal/St-Hubert	14,502	5,224	1,202	8,076	80	78	2	
Oshawa	3,619	885	656	2,078	7	5	2	
Ottawa/Macdonald-Cartier International	13,223	9,875	552	2,796	136	134	2	
Pitt Meadows	8,889	1,617	1,194	6,078	910	910	0	
Prince George	5,521	2,204	401	2,916	1	1	0	
Québec/Jean Lesage International	10,861	5,814	1,271	3,776	36	34	2	
Regina International	5,078	3,012	602	1,464	194	40	154	
Saskatoon/John G. Diefenbaker International	8,353	4,481	806	3,066	148	40	108	
Sault Ste. Marie	4,785	1,775	286	2,724	34	28	6	
St. John's International	3,523	2,844	343	336	169	169	0	
St-Jean	2,172	146	428	1,598	336	336	0	
Thunder Bay	7,167	4,231	372	2,564	90	55	35	
Toronto/Billy Bishop Toronto City	7,252	4,870	378	2,004	21	15	6	
Toronto/Butterville Municipal	9,468	2,595	1,913	4,960	0	0	0	
Toronto/Lester B. Pearson International	34,948	33,495	1,265	188	6	6	0	
Vancouver Harbour	4,084	4,032	50	2	8	8	0	
Vancouver International	23,311	22,132	1,149	30	37	37	0	
Victoria International	11,479	5,557	1,258	4,664	288	250	38	
Whitehorse International	3,519	1,445	424	1,650	0	0	0	
Windsor	1,431	818	195	418	2	2	0	
Winnipeg/James Armstrong Richardson International	11,500	9,189	629	1,682	219	213	6	
Winnipeg/St. Andrews	10,438	3,075	345	7,018	8	8	0	
Yellowknife	5,430	3,755	163	1,512	61	59	2	
<b>Total of NAV CANADA towers (42)</b>	<b>366,589</b>	<b>220,734</b>	<b>29,353</b>	<b>116,502</b>	<b>4,018</b>	<b>3,551</b>	<b>467</b>	

**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	1,203	431	308	464	260	234	26
Campbell River	2,395	1,003	336	1,056	14	14	0
Castlegar	1,907	884	77	946	6	6	0
Charlottetown	809	633	74	102	15	11	4
Churchill	966	938	28	0	0	0	0
Cranbrook	932	579	177	176	14	10	4
Deer Lake	1,579	1,178	61	340	33	9	24
Fort Nelson	1,551	1,321	108	122	34	34	0
Fort St. John	2,547	1,454	331	762	4	4	0
Grande Prairie	3,563	1,816	451	1,296	0	0	0
High Level	1,225	933	50	242	0	0	0
Îles-de-la-Madeleine	370	307	63	0	8	8	0
Inuvik/Mike Zubko	661	623	18	20	2	2	0
Iqaluit	1,708	1,541	83	84	42	36	6
Kamloops	2,848	1,319	416	1,113	25	25	0
Kenora	1,638	708	94	836	279	65	214
Kingston	2,510	1,023	367	1,120	34	32	2
Kuujuuaq	1,124	979	29	116	4	4	0
La Grande Rivière	692	646	46	0	0	0	0
La Ronge	1,681	1,172	215	294	0	0	0
Lethbridge	1,616	669	339	608	16	16	0
Lloydminster	1,351	510	321	520	20	20	0
Medicine Hat	1,361	822	205	334	9	9	0
Mont-Joli	426	397	29	0	14	14	0
Montréal/Mirabel International	3,024	1,360	364	1,300	43	29	14
Nanaimo	2,701	1,049	816	836	583	87	496
Norman Wells	640	625	9	6	0	0	0
North Bay	4,086	1,176	404	2,506	47	47	0
Ottawa/Gatineau	3,932	703	759	2,470	26	26	0
Peace River	544	456	58	30	0	0	0
Penticton	3,900	1,019	429	2,452	48	44	4
Port Hardy	575	474	91	10	32	28	4
Prince Albert	2,090	1,340	264	486	8	8	0
Prince Rupert	400	253	27	120	0	0	0
Rankin Inlet	1,180	1,172	8	0	0	0	0
Red Deer Regional	3,279	1,121	660	1,498	14	10	4
Rouyn-Noranda	1,389	906	221	262	2	2	0
Saint John	1,584	843	301	440	2	2	0
Sept-Îles	2,485	1,818	215	452	8	8	0
Sioux Lookout	2,357	2,253	45	59	0	0	0
Smithers	617	467	50	100	0	0	0
St. Catharines	1,969	634	323	1,012	2	2	0
Sudbury	3,006	1,898	368	740	10	10	0
Terrace	1,186	1,017	51	118	0	0	0
Thompson	2,652	2,403	201	48	0	0	0
Timmins	1,994	1,739	169	86	0	0	0
Val-d'Or	1,528	874	308	346	0	0	0
Victoria Harbour	2,899	2,797	96	6	10	10	0
Wabush	1,098	1,031	67	0	0	0	0
Whitecourt	1,422	466	118	838	0	0	0
Williams Lake	637	455	106	76	6	6	0
<b>Total of all flight service stations (51)</b>	<b>89,837</b>	<b>52,235</b>	<b>10,754</b>	<b>26,848</b>	<b>1,674</b>	<b>872</b>	<b>802</b>



**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	3,263	446	1,823	56	726	100	112
Boundary Bay	4,527	11	930	2,417	1,116	51	2
Calgary International	18,323	15,648	844	398	1,202	135	96
Calgary/Springbank	4,860	11	899	2,536	1,412	2	0
Chicoutimi/St-Honoré	1,802	420	80	1,194	106	2	0
Edmonton City Centre	4,892	1,238	732	1,691	864	354	13
Edmonton International	10,421	9,473	211	28	675	13	21
Edmonton/Villeneuve	1,731	0	179	638	428	6	480
Fort McMurray	3,841	1,497	1,671	82	561	28	2
Fredericton International	2,498	781	1,559	1	76	70	11
Gander International	1,877	538	811	20	172	97	239
Halifax/Robert L. Stanfield International	6,730	6,126	283	34	210	31	46
Hamilton	2,344	1,474	223	15	468	154	10
Kelowna	4,169	2,665	581	310	470	86	57
Kitchener/Waterloo	2,958	339	1,785	35	794	2	3
Langley	2,453	101	161	1,254	906	29	2
London	3,707	982	416	1,701	539	57	12
Moncton/Greater Moncton International	3,656	1,704	1,686	7	92	160	7
Montréal/Pierre Elliott Trudeau International	18,205	15,890	985	43	1,125	152	10
Montréal/St-Hubert	6,504	2,897	773	1,554	1,127	75	78
Oshawa	1,546	56	29	800	604	52	5
Ottawa/Macdonald-Cartier International	10,561	7,779	338	1,758	288	264	134
Pitt Meadows	3,721	7	857	753	1,156	38	910
Prince George	2,606	1,177	990	37	337	64	1
Québec/Jean Lesage International	7,119	3,678	1,814	322	884	387	34
Regina International	3,654	2,122	845	45	387	215	40
Saskatoon/John G. Diefenbaker International	5,327	2,816	1,185	480	546	260	40
Sault Ste. Marie	2,089	904	108	763	103	183	28
St. John's International	3,356	2,152	684	8	159	184	169
St-Jean	910	3	96	47	428	0	336
Thunder Bay	4,658	2,796	508	927	243	129	55
Toronto/Billy Bishop Toronto City	5,263	3,382	806	682	370	8	15
Toronto/Buttonville Municipal	4,508	217	2,303	75	1,869	44	0
Toronto/Lester B. Pearson International	34,766	32,826	651	18	1,236	29	6
Vancouver Harbour	4,090	3,662	368	2	44	6	8
Vancouver International	23,318	20,359	1,632	141	740	409	37
Victoria International	7,065	2,858	2,269	430	1,190	68	250
Whitehorse International	1,869	875	559	11	388	36	0
Windsor	1,015	483	284	51	182	13	2
Winnipeg/James Armstrong Richardson International	10,031	8,567	567	55	266	363	213
Winnipeg/St. Andrews	3,428	625	1,805	645	342	3	8
Yellowknife	3,977	3,183	545	27	80	83	59
<b>Total of NAV CANADA towers (42)</b>	<b>253,638</b>	<b>162,768</b>	<b>35,875</b>	<b>22,091</b>	<b>24,911</b>	<b>4,442</b>	<b>3,551</b>

**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	973	126	280	25	271	37	234	
Campbell River	1,353	571	247	185	314	22	14	
Castlegar	967	254	47	583	69	8	6	
Charlottetown	718	594	37	2	66	8	11	
Churchill	966	900	22	16	8	20	0	
Cranbrook	766	534	30	15	169	8	10	
Deer Lake	1,248	934	241	3	17	44	9	
Fort Nelson	1,463	427	890	4	102	6	34	
Fort St. John	1,789	783	658	13	307	24	4	
Grande Prairie	2,267	1,141	556	119	431	20	0	
High Level	983	257	676	0	43	7	0	
Îles-de-la-Madeleine	378	224	83	0	14	49	8	
Inuvik/Mike Zubko	643	515	108	0	4	14	2	
Iqaluit	1,660	1,389	63	89	51	32	36	
Kamloops	1,760	959	212	148	395	21	25	
Kenora	867	366	336	6	56	38	65	
Kingston	1,422	470	300	253	319	48	32	
Kuujuuaq	1,012	845	133	1	5	24	4	
La Grande Rivière	692	538	100	8	30	16	0	
La Ronge	1,387	1,076	96	0	45	170	0	
Lethbridge	1,024	376	35	258	315	24	16	
Lloydminster	851	201	268	41	287	34	20	
Medicine Hat	1,036	421	383	18	183	22	9	
Mont-Joli	440	346	29	22	20	9	14	
Montréal/Mirabel International	1,753	881	422	57	364	0	29	
Nanaimo	1,952	390	572	87	728	88	87	
Norman Wells	634	555	70	0	1	8	0	
North Bay	1,627	632	230	314	368	36	47	
Ottawa/Gatineau	1,488	93	389	221	704	55	26	
Peace River	514	338	114	4	46	12	0	
Penticton	1,492	321	631	67	405	24	44	
Port Hardy	593	423	39	12	31	60	28	
Prince Albert	1,612	1,254	74	12	147	117	8	
Prince Rupert	280	249	4	0	15	12	0	
Rankin Inlet	1,180	1,020	89	63	2	6	0	
Red Deer Regional	1,791	189	725	207	630	30	10	
Rouyn-Noranda	1,129	629	164	113	184	37	2	
Saint John	1,146	697	58	88	293	8	2	
Sept-Îles	2,041	1,167	549	102	141	74	8	
Sioux Lookout	2,298	1,766	472	15	19	26	0	
Smithers	517	384	83	0	38	12	0	
St. Catharines	959	4	597	33	303	20	2	
Sudbury	2,276	1,401	390	107	273	95	10	
Terrace	1,068	554	463	0	35	16	0	
Thompson	2,604	2,201	194	8	26	175	0	
Timmins	1,908	1,496	186	57	155	14	0	
Val-d'Or	1,182	694	149	31	260	48	0	
Victoria Harbour	2,903	2,779	18	0	11	85	10	
Wabush	1,098	776	234	21	49	18	0	
Whitecourt	584	18	341	107	112	6	0	
Williams Lake	567	409	40	6	104	2	6	
<b>Total of all flight service stations (51)</b>	<b>63,861</b>	<b>35,567</b>	<b>13,127</b>	<b>3,541</b>	<b>8,965</b>	<b>1,789</b>	<b>872</b>	

**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 <sup>1</sup>	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Abbotsford	3,263	754	23.1	2,509	76.8	1,463
Boundary Bay	4,527	348	7.6	4,179	92.3	626
Calgary International	18,323	17,432	95.1	891	4.8	505
Calgary/Springbank	4,860	299	6.1	4,561	93.8	142
Chicoutimi/St-Honoré	1,802	172	9.5	1,630	90.4	86
Edmonton City Centre	4,892	1,737	35.5	3,155	64.4	1,429
Edmonton International	10,421	9,964	95.6	457	4.3	720
Edmonton/Villeneuve	1,731	40	2.3	1,691	97.6	163
Fort McMurray	3,841	1,815	47.2	2,026	52.7	147
Fredericton International	2,498	973	38.9	1,525	61.0	76
Gander International	1,877	1,112	59.2	765	40.7	146
Halifax/Robert L. Stanfield International	6,730	6,432	95.5	298	4.4	134
Hamilton	2,344	1,650	70.3	694	29.6	673
Kelowna	4,169	2,565	61.5	1,604	38.4	874
Kitchener/Waterloo	2,958	618	20.8	2,340	79.1	444
Langley	2,453	54	2.2	2,399	97.7	468
London	3,707	1,188	32.0	2,519	67.9	266
Moncton/Greater Moncton International	3,656	1,935	52.9	1,721	47.0	74
Montréal/Pierre Elliott Trudeau International	18,205	17,664	97.0	541	2.9	1,092
Montréal/St-Hubert	6,504	1,419	21.8	5,085	78.1	837
Oshawa	1,546	83	5.3	1,463	94.6	434
Ottawa/Macdonald-Cartier International	10,561	8,388	79.4	2,173	20.5	560
Pitt Meadows	3,721	34	0.9	3,687	99.0	1,585
Prince George	2,606	1,200	46.0	1,406	53.9	375
Québec/Jean Lesage International	7,119	4,496	63.1	2,623	36.8	664
Regina International	3,654	2,487	68.0	1,167	31.9	133
Saskatoon/John G. Diefenbaker International	5,327	3,202	60.1	2,125	39.8	168
Sault Ste. Marie	2,089	1,094	52.3	995	47.6	118
St. John's International	3,356	2,942	87.6	414	12.3	87
St-Jean	910	5	0.5	905	99.4	338
Thunder Bay	4,658	3,222	69.1	1,436	30.8	210
Toronto/Billy Bishop Toronto City	5,263	3,692	70.1	1,571	29.8	1,605
Toronto/Buttonville Municipal	4,508	615	13.6	3,893	86.3	821
Toronto/Lester B. Pearson International	34,766	34,626	99.5	140	0.4	251
Vancouver Harbour	4,090	16	0.3	4,074	99.6	1,756
Vancouver International	23,318	18,996	81.4	4,322	18.5	7,829
Victoria International	7,065	3,262	46.1	3,803	53.8	4,223
Whitehorse International	1,869	479	25.6	1,390	74.3	310
Windsor	1,015	599	59.0	416	40.9	61
Winnipeg/James Armstrong Richardson International	10,031	8,722	86.9	1,309	13.0	456
Winnipeg/St. Andrews	3,428	122	3.5	3,306	96.4	77
Yellowknife	3,977	1,918	48.2	2,059	51.7	517
<b>Total of NAV CANADA towers (42)</b>	<b>253,638</b>	<b>168,371</b>	<b>66.4</b>	<b>85,267</b>	<b>33.6</b>	<b>32,943</b>

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 <sup>1</sup>	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Brandon Municipal	973	282	28.9	691	71.0	9
Campbell River	1,353	463	34.2	890	65.7	240
Castlegar	967	267	27.6	700	72.3	119
Charlottetown	718	650	90.5	68	9.4	31
Churchill	966	928	96.0	38	3.9	8
Cranbrook	766	572	74.6	194	25.3	87
Deer Lake	1,248	1,111	89.0	137	10.9	4
Fort Nelson	1,463	453	30.9	1,010	69.0	98
Fort St. John	1,789	801	44.7	988	55.2	24
Grande Prairie	2,267	1,283	56.5	984	43.4	100
High Level	983	203	20.6	780	79.3	201
Îles-de-la-Madeleine	378	295	78.0	83	21.9	67
Inuvik/Mike Zubko	643	278	43.2	365	56.7	5
Iqaluit	1,660	1,290	77.7	370	22.2	0
Kamloops	1,760	1,038	58.9	722	41.0	354
Kenora	867	408	47.0	459	52.9	141
Kingston	1,422	604	42.4	818	57.5	184
Kuujuuaq	1,012	431	42.5	581	57.4	24
La Grande Rivière	692	559	80.7	133	19.2	107
La Ronge	1,387	644	46.4	743	53.5	345
Lethbridge	1,024	486	47.4	538	52.5	27
Lloydminster	851	258	30.3	593	69.6	20
Medicine Hat	1,036	381	36.7	655	63.2	87
Mont-Joli	440	366	83.1	74	16.8	7
Montréal/Mirabel International	1,753	1,061	60.5	692	39.4	510
Nanaimo	1,952	585	29.9	1,367	70.0	709
Norman Wells	634	201	31.7	433	68.2	23
North Bay	1,627	700	43.0	927	56.9	275
Ottawa/Gatineau	1,488	158	10.6	1,330	89.3	272
Peace River	514	262	50.9	252	49.0	11
Penticton	1,492	291	19.5	1,201	80.4	141
Port Hardy	593	211	35.5	382	64.4	214
Prince Albert	1,612	1,257	77.9	355	22.0	46
Prince Rupert	280	212	75.7	68	24.2	9
Rankin Inlet	1,180	1,032	87.4	148	12.5	2
Red Deer Regional	1,791	375	20.9	1,416	79.0	303
Rouyn-Noranda	1,129	783	69.3	346	30.6	28
Saint John	1,146	892	77.8	254	22.1	33
Sept-Îles	2,041	1,566	76.7	475	23.2	251
Sioux Lookout	2,298	1,716	74.6	582	25.3	177
Smithers	517	375	72.5	142	27.4	209
St. Catharines	959	52	5.4	907	94.5	241
Sudbury	2,276	1,575	69.2	701	30.7	62
Terrace	1,068	550	51.4	518	48.5	210
Thompson	2,604	1,586	60.9	1,018	39.0	7
Timmins	1,908	1,600	83.8	308	16.1	69
Val-d'Or	1,182	810	68.5	372	31.4	169
Victoria Harbour	2,903	21	0.7	2,882	99.2	833
Wabush	1,098	1,049	95.5	49	4.4	28
Whitecourt	584	35	5.9	549	94.0	115
Williams Lake	567	409	72.1	158	27.8	75
<b>Total of all flight service stations (51)</b>	<b>63,861</b>	<b>33,415</b>	<b>52.3</b>	<b>30,446</b>	<b>47.7</b>	<b>7,311</b>

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	3,263	473	403	1,764	582	41
Boundary Bay	4,527	23	49	4,269	186	0
Calgary International	18,323	12,354	4,905	331	733	0
Calgary/Springbank	4,860	14	52	3,825	969	0
Chicoutimi/St-Honoré	1,802	2	51	1,484	265	0
Edmonton City Centre	4,892	318	1,366	2,290	918	0
Edmonton International	10,421	6,525	3,441	425	30	0
Edmonton/Villeneuve	1,731	15	13	1,266	223	214
Fort McMurray	3,841	1,052	1,117	821	851	0
Fredericton International	2,498	276	643	1,557	22	0
Gander International	1,877	507	553	666	151	0
Halifax/Robert L. Stanfield International	6,730	3,792	2,532	198	208	0
Hamilton	2,344	1,010	681	521	131	1
Kelowna	4,169	1,126	1,386	1,104	553	0
Kitchener/Waterloo	2,958	193	356	2,324	83	2
Langley	2,453	0	98	1,931	424	0
London	3,707	304	934	2,361	108	0
Moncton/Greater Moncton International	3,656	1,029	766	1,794	67	0
Montréal/Pierre Elliott Trudeau International	18,205	12,156	5,452	401	196	0
Montréal/St-Hubert	6,504	191	907	5,145	261	0
Oshawa	1,546	3	12	1,443	88	0
Ottawa/Macdonald-Cartier International	10,561	5,672	2,689	1,921	279	0
Pitt Meadows	3,721	6	16	3,013	255	431
Prince George	2,606	397	872	502	834	1
Québec/Jean Lesage International	7,119	1,493	2,868	2,014	744	0
Regina International	3,654	1,692	670	1,234	58	0
Saskatoon/John G. Diefenbaker International	5,327	1,591	1,550	2,148	38	0
Sault Ste. Marie	2,089	24	1,166	861	38	0
St. John's International	3,356	1,212	1,689	62	393	0
St-Jean	910	0	3	695	24	188
Thunder Bay	4,658	742	2,560	1,092	264	0
Toronto/Billy Bishop Toronto City	5,263	0	3,630	1,224	409	0
Toronto/Buttonville Municipal	4,508	40	334	3,873	261	0
Toronto/Lester B. Pearson International	34,766	29,257	5,440	56	13	0
Vancouver Harbour	4,090	0	2,413	976	701	0
Vancouver International	23,318	11,288	8,920	2,301	809	0
Victoria International	7,065	1,054	2,125	3,477	409	0
Whitehorse International	1,869	295	517	702	355	0
Windsor	1,015	73	519	395	28	0
Winnipeg/James Armstrong Richardson International	10,031	4,868	3,997	756	410	0
Winnipeg/St. Andrews	3,428	0	578	2,651	198	1
Yellowknife	3,977	757	2,263	410	546	1
<b>Total of NAV CANADA towers (42)</b>	<b>253,638</b>	<b>101,824</b>	<b>70,536</b>	<b>66,283</b>	<b>14,115</b>	<b>880</b>

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	973	18	286	580	89	0
Campbell River	1,353	21	595	432	305	0
Castlegar	967	21	255	639	52	0
Charlottetown	718	298	333	73	14	0
Churchill	966	8	924	6	28	0
Cranbrook	766	18	505	223	20	0
Deer Lake	1,248	181	937	42	88	0
Fort Nelson	1,463	50	393	183	837	0
Fort St. John	1,789	278	558	465	488	0
Grande Prairie	2,267	206	983	696	382	0
High Level	983	3	428	399	153	0
Îles-de-la-Madeleine	378	9	280	86	3	0
Inuvik/Mike Zubko	643	94	418	25	106	0
Iqaluit	1,660	438	1,159	20	43	0
Kamloops	1,760	100	916	552	192	0
Kenora	867	4	538	167	158	0
Kingston	1,422	26	531	780	85	0
Kuujuuaq	1,012	127	778	8	99	0
La Grande Rivière	692	85	591	16	0	0
La Ronge	1,387	8	1,111	233	35	0
Lethbridge	1,024	48	414	541	21	0
Lloydminster	851	16	259	533	43	0
Medicine Hat	1,036	26	433	509	68	0
Mont-Joli	440	12	366	50	12	0
Montréal/Mirabel International	1,753	597	411	456	289	0
Nanaimo	1,952	18	401	1,374	140	19
Norman Wells	634	177	202	189	66	0
North Bay	1,627	40	742	374	457	14
Ottawa/Gatineau	1,488	22	103	1,144	219	0
Peace River	514	5	267	130	112	0
Penticton	1,492	22	300	707	463	0
Port Hardy	593	8	346	146	93	0
Prince Albert	1,612	0	1,271	255	86	0
Prince Rupert	280	25	199	2	54	0
Rankin Inlet	1,180	162	909	22	87	0
Red Deer Regional	1,791	61	342	1,304	84	0
Rouyn-Noranda	1,129	85	795	241	8	0
Saint John	1,146	298	536	268	44	0
Sept-Îles	2,041	53	1,451	301	236	0
Sioux Lookout	2,298	0	1,922	368	8	0
Smithers	517	6	409	45	57	0
St. Catharines	959	7	28	695	229	0
Sudbury	2,276	15	1,558	447	256	0
Terrace	1,068	34	544	25	465	0
Thompson	2,604	24	2,145	305	130	0
Timmins	1,908	9	1,687	192	20	0
Val-d'Or	1,182	101	718	272	91	0
Victoria Harbour	2,903	0	2,142	135	626	0
Wabush	1,098	12	1,004	44	38	0
Whitecourt	584	0	26	110	448	0
Williams Lake	567	6	411	116	34	0
<b>Total of all flight service stations (51)</b>	<b>63,861</b>	<b>3,882</b>	<b>34,860</b>	<b>16,925</b>	<b>8,161</b>	<b>33</b>

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

	Maximum take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	1,987	335	229	129	20	127	421	15	0	0
Boundary Bay	4,173	336	6	8	4	0	0	0	0	0
Calgary International	667	470	1,244	1,750	943	4,270	7,244	792	206	737
Calgary/Springbank	4,524	217	119	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	1,505	243	48	4	0	2	0	0	0	0
Edmonton City Centre	2,792	492	1,219	264	104	17	4	0	0	0
Edmonton International	332	185	349	982	445	2,796	4,628	373	174	157
Edmonton/Villeneuve	1,606	51	62	12	0	0	0	0	0	0
Fort McMurray	1,480	523	341	319	48	765	365	0	0	0
Fredericton International	1,475	112	161	248	167	303	16	0	0	16
Gander International	554	9	22	451	305	309	58	94	12	63
Halifax/Robert L. Stanfield International	105	176	322	1,131	669	1,803	1,990	158	145	231
Hamilton	500	450	159	290	121	32	204	2	465	121
Kelowna	1,383	180	312	543	41	748	904	47	10	1
Kitchener/Waterloo	2,349	87	344	57	42	20	57	0	2	0
Langley	2,295	124	34	0	0	0	0	0	0	0
London	2,354	199	160	99	491	279	121	2	0	2
Moncton/Greater Moncton International	1,735	119	148	472	97	649	182	0	254	0
Montréal/Pierre Elliott Trudeau International	474	126	544	757	2,915	5,578	4,853	1,569	10	1,379
Montréal/St-Hubert	4,803	522	750	273	148	4	4	0	0	0
Oshawa	1,457	69	16	2	1	0	0	0	1	0
Ottawa/Macdonald-Cartier International	1,865	192	863	240	633	3,202	3,038	279	46	203
Pitt Meadows	3,547	150	14	8	2	0	0	0	0	0
Prince George	978	250	262	558	6	372	178	1	0	1
Québec/Jean Lesage International	2,226	465	692	372	1,109	1,787	264	0	0	204
Regina International	1,099	193	359	320	47	892	660	2	82	0
Saskatoon/John G. Diefenbaker International	1,931	275	569	634	199	1,052	640	4	23	0
Sault Ste. Marie	854	102	597	77	289	160	4	6	0	0
St. John's International	47	47	296	575	781	553	758	212	77	10
St-Jean	895	10	5	0	0	0	0	0	0	0
Thunder Bay	1,149	221	2,008	199	69	800	208	4	0	0
Toronto/Billy Bishop Toronto City	1,352	121	526	43	9	3,212	0	0	0	0
Toronto/Buttonville Municipal	3,793	413	248	34	4	16	0	0	0	0
Toronto/Lester B. Pearson International	23	125	348	1,998	3,818	7,570	13,612	3,696	371	3,205
Vancouver Harbour	91	2,962	1,030	0	7	0	0	0	0	0
Vancouver International	762	3,330	855	2,383	1,664	5,083	5,787	1,294	272	1,888
Victoria International	2,945	945	236	345	792	1,218	524	28	32	0
Whitehorse International	940	272	188	62	2	281	124	0	0	0
Windsor	359	94	72	85	354	43	6	0	2	0
Winnipeg/James Armstrong Richardson International	580	581	2,686	321	837	2,040	2,123	182	629	52
Winnipeg/St. Andrews	2,500	794	133	1	0	0	0	0	0	0
Yellowknife	514	546	796	310	222	834	597	158	0	0
<b>Total of NAV CANADA towers (42)</b>	<b>67,000</b>	<b>17,113</b>	<b>19,372</b>	<b>16,356</b>	<b>17,405</b>	<b>46,817</b>	<b>49,574</b>	<b>8,918</b>	<b>2,813</b>	<b>8,270</b>

**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	572	72	233	18	30	32	2	14	0	0
Campbell River	665	66	32	448	130	8	4	0	0	0
Castlegar	673	24	15	65	65	125	0	0	0	0
Charlottetown	56	97	27	177	70	243	39	9	0	0
Churchill	26	10	132	93	121	492	2	90	0	0
Cranbrook	182	65	46	159	136	174	4	0	0	0
Deer Lake	105	15	51	323	544	105	100	5	0	0
Fort Nelson	697	98	294	163	125	64	22	0	0	0
Fort St. John	892	51	146	303	124	259	14	0	0	0
Grande Prairie	831	238	407	175	75	372	169	0	0	0
High Level	421	327	127	106	2	0	0	0	0	0
Îles-de-la-Madeleine	6	83	108	1	162	10	0	8	0	0
Inuvik/Mike Zubko	88	6	398	6	7	42	94	2	0	0
Iqaluit	5	14	434	142	333	359	297	26	0	50
Kamloops	579	111	127	263	131	475	74	0	0	0
Kenora	202	31	562	2	14	21	0	35	0	0
Kingston	778	56	107	344	104	27	0	6	0	0
Kuujuuaq	89	8	595	2	125	92	83	0	0	18
La Grande Rivière	6	10	176	10	49	364	77	0	0	0
La Ronge	123	140	610	63	220	231	0	0	0	0
Lethbridge	491	77	99	336	18	1	2	0	0	0
Lloydminster	489	74	157	125	6	0	0	0	0	0
Medicine Hat	559	13	176	271	0	15	2	0	0	0
Mont-Joli	34	20	149	101	122	14	0	0	0	0
Montréal/Mirabel International	601	185	52	119	28	245	71	13	268	171
Nanaimo	1,045	477	34	46	29	321	0	0	0	0
Norman Wells	173	138	75	40	4	27	177	0	0	0
North Bay	799	173	312	60	166	81	20	16	0	0
Ottawa/Gatineau	1,225	126	31	77	22	4	0	3	0	0
Peace River	114	99	277	16	8	0	0	0	0	0
Penticton	1,046	118	31	115	18	160	0	4	0	0
Port Hardy	66	166	148	71	134	8	0	0	0	0
Prince Albert	224	97	254	340	261	436	0	0	0	0
Prince Rupert	10	3	69	32	42	124	0	0	0	0
Rankin Inlet	105	4	241	121	266	283	154	4	0	2
Red Deer Regional	1,139	228	201	116	4	18	85	0	0	0
Rouyn-Noranda	239	14	391	36	245	150	54	0	0	0
Saint John	188	155	133	220	158	260	32	0	0	0
Sept-Îles	325	201	454	488	415	154	2	2	0	0
Sioux Lookout	162	237	1,254	549	88	8	0	0	0	0
Smithers	92	26	60	200	36	103	0	0	0	0
St. Catharines	852	67	29	2	5	2	0	2	0	0
Sudbury	433	283	919	184	254	190	7	6	0	0
Terrace	450	24	120	161	118	195	0	0	0	0
Thompson	145	363	1,373	22	181	516	0	4	0	0
Timmins	164	164	859	120	452	149	0	0	0	0
Val-d'Or	313	44	253	89	280	138	63	0	0	2
Victoria Harbour	25	1,871	993	3	11	0	0	0	0	0
Wabush	17	61	278	356	377	9	0	0	0	0
Whitecourt	528	32	22	2	0	0	0	0	0	0
Williams Lake	132	16	13	397	3	6	0	0	0	0
<b>Total of all flight service stations (51)</b>	<b>19,181</b>	<b>7,078</b>	<b>14,084</b>	<b>7,678</b>	<b>6,318</b>	<b>7,112</b>	<b>1,650</b>	<b>249</b>	<b>268</b>	<b>243</b>



**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							
<b>Abbotsford</b>							
Domestic	3,182	424	1,801	54	691	100	112
Transborder	67	8	22	2	35	0	0
Other international	14	14	0	0	0	0	0
<b>Total</b>	<b>3,263</b>	<b>446</b>	<b>1,823</b>	<b>56</b>	<b>726</b>	<b>100</b>	<b>112</b>
<b>Boundary Bay</b>							
Domestic	4,442	5	923	2,390	1,072	51	1
Transborder	84	6	7	27	43	0	1
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>4,527</b>	<b>11</b>	<b>930</b>	<b>2,417</b>	<b>1,116</b>	<b>51</b>	<b>2</b>
<b>Calgary International</b>							
Domestic	14,364	12,091	728	391	923	135	96
Transborder	3,228	2,839	114	7	268	0	0
Other international	731	718	2	0	11	0	0
<b>Total</b>	<b>18,323</b>	<b>15,648</b>	<b>844</b>	<b>398</b>	<b>1,202</b>	<b>135</b>	<b>96</b>
<b>Calgary/Springbank</b>							
Domestic	4,813	11	896	2,531	1,373	2	0
Transborder	47	0	3	5	39	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,860</b>	<b>11</b>	<b>899</b>	<b>2,536</b>	<b>1,412</b>	<b>2</b>	<b>0</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	1,802	420	80	1,194	106	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,802</b>	<b>420</b>	<b>80</b>	<b>1,194</b>	<b>106</b>	<b>2</b>	<b>0</b>
<b>Edmonton City Centre</b>							
Domestic	4,857	1,236	722	1,688	844	354	13
Transborder	35	2	10	3	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,892</b>	<b>1,238</b>	<b>732</b>	<b>1,691</b>	<b>864</b>	<b>354</b>	<b>13</b>
<b>Edmonton International</b>							
Domestic	8,715	7,870	185	25	607	13	15
Transborder	1,440	1,341	26	3	66	0	4
Other international	266	262	0	0	2	0	2
<b>Total</b>	<b>10,421</b>	<b>9,473</b>	<b>211</b>	<b>28</b>	<b>675</b>	<b>13</b>	<b>21</b>
<b>Edmonton/Villeneuve</b>							
Domestic	1,730	0	179	638	427	6	480
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,731</b>	<b>0</b>	<b>179</b>	<b>638</b>	<b>428</b>	<b>6</b>	<b>480</b>
<b>Fort McMurray</b>							
Domestic	3,835	1,495	1,671	82	557	28	2
Transborder	6	2	0	0	4	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,841</b>	<b>1,497</b>	<b>1,671</b>	<b>82</b>	<b>561</b>	<b>28</b>	<b>2</b>
<b>Fredericton International</b>							
Domestic	2,458	760	1,550	1	67	70	10
Transborder	20	3	7	0	9	0	1
Other international	20	18	2	0	0	0	0
<b>Total</b>	<b>2,498</b>	<b>781</b>	<b>1,559</b>	<b>1</b>	<b>76</b>	<b>70</b>	<b>11</b>
<b>Gander International</b>							
Domestic	1,446	398	810	3	16	97	122
Transborder	191	55	0	5	76	0	55
Other international	240	85	1	12	80	0	62
<b>Total</b>	<b>1,877</b>	<b>538</b>	<b>811</b>	<b>20</b>	<b>172</b>	<b>97</b>	<b>239</b>

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							
<b>Halifax/Robert L. Stanfield International</b>							
Domestic	5,189	4,695	276	30	123	31	34
Transborder	1,043	949	5	2	80	0	7
Other international	498	482	2	2	7	0	5
<b>Total</b>	<b>6,730</b>	<b>6,126</b>	<b>283</b>	<b>34</b>	<b>210</b>	<b>31</b>	<b>46</b>
<b>Hamilton</b>							
Domestic	1,809	1,080	189	14	362	154	10
Transborder	480	349	31	1	99	0	0
Other international	55	45	3	0	7	0	0
<b>Total</b>	<b>2,344</b>	<b>1,474</b>	<b>223</b>	<b>15</b>	<b>468</b>	<b>154</b>	<b>10</b>
<b>Kelowna</b>							
Domestic	3,882	2,433	577	310	420	86	56
Transborder	254	199	4	0	50	0	1
Other international	33	33	0	0	0	0	0
<b>Total</b>	<b>4,169</b>	<b>2,665</b>	<b>581</b>	<b>310</b>	<b>470</b>	<b>86</b>	<b>57</b>
<b>Kitchener/Waterloo</b>							
Domestic	2,785	316	1,744	35	686	2	2
Transborder	172	23	41	0	107	0	1
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>2,958</b>	<b>339</b>	<b>1,785</b>	<b>35</b>	<b>794</b>	<b>2</b>	<b>3</b>
<b>Langley</b>							
Domestic	2,451	101	161	1,254	904	29	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,453</b>	<b>101</b>	<b>161</b>	<b>1,254</b>	<b>906</b>	<b>29</b>	<b>2</b>
<b>London</b>							
Domestic	3,530	864	412	1,698	491	55	10
Transborder	174	117	4	3	46	2	2
Other international	3	1	0	0	2	0	0
<b>Total</b>	<b>3,707</b>	<b>982</b>	<b>416</b>	<b>1,701</b>	<b>539</b>	<b>57</b>	<b>12</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	3,527	1,587	1,685	7	81	160	7
Transborder	85	74	1	0	10	0	0
Other international	44	43	0	0	1	0	0
<b>Total</b>	<b>3,656</b>	<b>1,704</b>	<b>1,686</b>	<b>7</b>	<b>92</b>	<b>160</b>	<b>7</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	9,732	8,135	738	30	670	151	8
Transborder	6,267	5,611	213	7	435	0	1
Other international	2,206	2,144	34	6	20	1	1
<b>Total</b>	<b>18,205</b>	<b>15,890</b>	<b>985</b>	<b>43</b>	<b>1,125</b>	<b>152</b>	<b>10</b>
<b>Montréal/St-Hubert</b>							
Domestic	6,368	2,878	761	1,554	1,024	73	78
Transborder	132	19	10	0	102	1	0
Other international	4	0	2	0	1	1	0
<b>Total</b>	<b>6,504</b>	<b>2,897</b>	<b>773</b>	<b>1,554</b>	<b>1,127</b>	<b>75</b>	<b>78</b>
<b>Oshawa</b>							
Domestic	1,521	53	29	800	582	52	5
Transborder	25	3	0	0	22	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,546</b>	<b>56</b>	<b>29</b>	<b>800</b>	<b>604</b>	<b>52</b>	<b>5</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	8,129	5,520	290	1,742	212	256	109
Transborder	2,113	1,956	47	16	74	8	12
Other international	319	303	1	0	2	0	13
<b>Total</b>	<b>10,561</b>	<b>7,779</b>	<b>338</b>	<b>1,758</b>	<b>288</b>	<b>264</b>	<b>134</b>

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							
<b>Pitt Meadows</b>							
Domestic	3,709	7	856	753	1,145	38	910
Transborder	11	0	1	0	10	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>3,721</b>	<b>7</b>	<b>857</b>	<b>753</b>	<b>1,156</b>	<b>38</b>	<b>910</b>
<b>Prince George</b>							
Domestic	2,591	1,168	989	37	332	64	1
Transborder	5	0	0	0	5	0	0
Other international	10	9	1	0	0	0	0
<b>Total</b>	<b>2,606</b>	<b>1,177</b>	<b>990</b>	<b>37</b>	<b>337</b>	<b>64</b>	<b>1</b>
<b>Québec/Jean Lesage International</b>							
Domestic	6,367	2,976	1,805	322	848	387	29
Transborder	494	457	5	0	30	0	2
Other international	258	245	4	0	6	0	3
<b>Total</b>	<b>7,119</b>	<b>3,678</b>	<b>1,814</b>	<b>322</b>	<b>884</b>	<b>387</b>	<b>34</b>
<b>Regina International</b>							
Domestic	3,214	1,746	837	42	342	209	38
Transborder	397	333	8	3	45	6	2
Other international	43	43	0	0	0	0	0
<b>Total</b>	<b>3,654</b>	<b>2,122</b>	<b>845</b>	<b>45</b>	<b>387</b>	<b>215</b>	<b>40</b>
<b>Saskatoon/John G. Diefenbaker International</b>							
Domestic	5,020	2,552	1,177	480	511	260	40
Transborder	281	238	8	0	35	0	0
Other international	26	26	0	0	0	0	0
<b>Total</b>	<b>5,327</b>	<b>2,816</b>	<b>1,185</b>	<b>480</b>	<b>546</b>	<b>260</b>	<b>40</b>
<b>Sault Ste. Marie</b>							
Domestic	2,077	900	107	763	98	181	28
Transborder	10	4	1	0	5	0	0
Other international	2	0	0	0	0	2	0
<b>Total</b>	<b>2,089</b>	<b>904</b>	<b>108</b>	<b>763</b>	<b>103</b>	<b>183</b>	<b>28</b>
<b>St. John's International</b>							
Domestic	2,965	1,970	677	2	113	183	20
Transborder	189	83	1	3	26	0	76
Other international	202	99	6	3	20	1	73
<b>Total</b>	<b>3,356</b>	<b>2,152</b>	<b>684</b>	<b>8</b>	<b>159</b>	<b>184</b>	<b>169</b>
<b>St-Jean</b>							
Domestic	909	3	96	47	427	0	336
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>910</b>	<b>3</b>	<b>96</b>	<b>47</b>	<b>428</b>	<b>0</b>	<b>336</b>
<b>Thunder Bay</b>							
Domestic	4,616	2,778	507	926	222	129	54
Transborder	32	8	1	1	21	0	1
Other international	10	10	0	0	0	0	0
<b>Total</b>	<b>4,658</b>	<b>2,796</b>	<b>508</b>	<b>927</b>	<b>243</b>	<b>129</b>	<b>55</b>
<b>Toronto/Billy Bishop Toronto City</b>							
Domestic	4,091	2,317	776	680	295	8	15
Transborder	1,172	1,065	30	2	75	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>5,263</b>	<b>3,382</b>	<b>806</b>	<b>682</b>	<b>370</b>	<b>8</b>	<b>15</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	4,306	193	2,259	72	1,738	44	0
Transborder	200	23	44	3	130	0	0
Other international	2	1	0	0	1	0	0
<b>Total</b>	<b>4,508</b>	<b>217</b>	<b>2,303</b>	<b>75</b>	<b>1,869</b>	<b>44</b>	<b>0</b>

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							
<b>Toronto/Lester B. Pearson International</b>							
Domestic	14,241	13,447	305	7	448	29	5
Transborder	15,446	14,398	288	9	750	0	1
Other international	5,079	4,981	58	2	38	0	0
<b>Total</b>	<b>34,766</b>	<b>32,826</b>	<b>651</b>	<b>18</b>	<b>1,236</b>	<b>29</b>	<b>6</b>
<b>Vancouver Harbour</b>							
Domestic	4,088	3,660	368	2	44	6	8
Transborder	1	1	0	0	0	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>4,090</b>	<b>3,662</b>	<b>368</b>	<b>2</b>	<b>44</b>	<b>6</b>	<b>8</b>
<b>Vancouver International</b>							
Domestic	17,378	14,799	1,590	108	446	400	35
Transborder	4,428	4,071	36	24	287	8	2
Other international	1,512	1,489	6	9	7	1	0
<b>Total</b>	<b>23,318</b>	<b>20,359</b>	<b>1,632</b>	<b>141</b>	<b>740</b>	<b>409</b>	<b>37</b>
<b>Victoria International</b>							
Domestic	6,413	2,363	2,245	429	1,067	68	241
Transborder	623	467	23	1	123	0	9
Other international	29	28	1	0	0	0	0
<b>Total</b>	<b>7,065</b>	<b>2,858</b>	<b>2,269</b>	<b>430</b>	<b>1,190</b>	<b>68</b>	<b>250</b>
<b>Whitehorse International</b>							
Domestic	1,802	875	559	10	328	30	0
Transborder	67	0	0	1	60	6	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,869</b>	<b>875</b>	<b>559</b>	<b>11</b>	<b>388</b>	<b>36</b>	<b>0</b>
<b>Windsor</b>							
Domestic	934	465	267	50	138	12	2
Transborder	74	14	16	1	42	1	0
Other international	7	4	1	0	2	0	0
<b>Total</b>	<b>1,015</b>	<b>483</b>	<b>284</b>	<b>51</b>	<b>182</b>	<b>13</b>	<b>2</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	8,720	7,355	546	47	206	363	203
Transborder	1,187	1,104	17	6	56	0	4
Other international	124	108	4	2	4	0	6
<b>Total</b>	<b>10,031</b>	<b>8,567</b>	<b>567</b>	<b>55</b>	<b>266</b>	<b>363</b>	<b>213</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,423	624	1,805	645	338	3	8
Transborder	4	1	0	0	3	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>3,428</b>	<b>625</b>	<b>1,805</b>	<b>645</b>	<b>342</b>	<b>3</b>	<b>8</b>
<b>Yellowknife</b>							
Domestic	3,971	3,182	545	27	78	83	56
Transborder	3	1	0	0	2	0	0
Other international	3	0	0	0	0	0	3
<b>Total</b>	<b>3,977</b>	<b>3,183</b>	<b>545</b>	<b>27</b>	<b>80</b>	<b>83</b>	<b>59</b>
<b>Total of NAV CANADA towers (42)</b>							
Domestic	201,402	115,752	34,723	21,920	21,402	4,404	3,201
Transborder	40,491	35,824	1,024	135	3,294	32	182
Other international	11,745	11,192	128	36	215	6	168
<b>Total</b>	<b>253,638</b>	<b>162,768</b>	<b>35,875</b>	<b>22,091</b>	<b>24,911</b>	<b>4,442</b>	<b>3,551</b>

**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							
<b>Brandon Municipal</b>							
Domestic	958	126	278	25	259	37	233
Transborder	15	0	2	0	12	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>973</b>	<b>126</b>	<b>280</b>	<b>25</b>	<b>271</b>	<b>37</b>	<b>234</b>
<b>Campbell River</b>							
Domestic	1,325	571	247	185	286	22	14
Transborder	28	0	0	0	28	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,353</b>	<b>571</b>	<b>247</b>	<b>185</b>	<b>314</b>	<b>22</b>	<b>14</b>
<b>Castlegar</b>							
Domestic	959	254	47	583	61	8	6
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>967</b>	<b>254</b>	<b>47</b>	<b>583</b>	<b>69</b>	<b>8</b>	<b>6</b>
<b>Charlottetown</b>							
Domestic	702	588	36	1	58	8	11
Transborder	10	1	0	1	8	0	0
Other international	6	5	1	0	0	0	0
<b>Total</b>	<b>718</b>	<b>594</b>	<b>37</b>	<b>2</b>	<b>66</b>	<b>8</b>	<b>11</b>
<b>Churchill</b>							
Domestic	966	900	22	16	8	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>966</b>	<b>900</b>	<b>22</b>	<b>16</b>	<b>8</b>	<b>20</b>	<b>0</b>
<b>Cranbrook</b>							
Domestic	753	534	27	15	159	8	10
Transborder	13	0	3	0	10	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>766</b>	<b>534</b>	<b>30</b>	<b>15</b>	<b>169</b>	<b>8</b>	<b>10</b>
<b>Deer Lake</b>							
Domestic	1,240	926	241	3	17	44	9
Transborder	0	0	0	0	0	0	0
Other international	8	8	0	0	0	0	0
<b>Total</b>	<b>1,248</b>	<b>934</b>	<b>241</b>	<b>3</b>	<b>17</b>	<b>44</b>	<b>9</b>
<b>Fort Nelson</b>							
Domestic	1,463	427	890	4	102	6	34
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,463</b>	<b>427</b>	<b>890</b>	<b>4</b>	<b>102</b>	<b>6</b>	<b>34</b>
<b>Fort St. John</b>							
Domestic	1,787	783	657	13	306	24	4
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,789</b>	<b>783</b>	<b>658</b>	<b>13</b>	<b>307</b>	<b>24</b>	<b>4</b>
<b>Grande Prairie</b>							
Domestic	2,263	1,139	556	119	429	20	0
Transborder	4	2	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,267</b>	<b>1,141</b>	<b>556</b>	<b>119</b>	<b>431</b>	<b>20</b>	<b>0</b>
<b>High Level</b>							
Domestic	983	257	676	0	43	7	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>983</b>	<b>257</b>	<b>676</b>	<b>0</b>	<b>43</b>	<b>7</b>	<b>0</b>

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							
<b>Îles-de-la-Madeleine</b>							
Domestic	378	224	83	0	14	49	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>378</b>	<b>224</b>	<b>83</b>	<b>0</b>	<b>14</b>	<b>49</b>	<b>8</b>
<b>Inuvik/Mike Zubko</b>							
Domestic	641	514	108	0	3	14	2
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>643</b>	<b>515</b>	<b>108</b>	<b>0</b>	<b>4</b>	<b>14</b>	<b>2</b>
<b>Iqaluit</b>							
Domestic	1,589	1,358	57	83	26	32	33
Transborder	20	12	0	1	5	0	2
Other international	51	19	6	5	20	0	1
<b>Total</b>	<b>1,660</b>	<b>1,389</b>	<b>63</b>	<b>89</b>	<b>51</b>	<b>32</b>	<b>36</b>
<b>Kamloops</b>							
Domestic	1,748	955	209	148	390	21	25
Transborder	12	4	3	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,760</b>	<b>959</b>	<b>212</b>	<b>148</b>	<b>395</b>	<b>21</b>	<b>25</b>
<b>Kenora</b>							
Domestic	866	366	336	6	56	38	64
Transborder	1	0	0	0	0	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>867</b>	<b>366</b>	<b>336</b>	<b>6</b>	<b>56</b>	<b>38</b>	<b>65</b>
<b>Kingston</b>							
Domestic	1,395	470	295	251	299	48	32
Transborder	27	0	5	2	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,422</b>	<b>470</b>	<b>300</b>	<b>253</b>	<b>319</b>	<b>48</b>	<b>32</b>
<b>Kuujuuaq</b>							
Domestic	1,012	845	133	1	5	24	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,012</b>	<b>845</b>	<b>133</b>	<b>1</b>	<b>5</b>	<b>24</b>	<b>4</b>
<b>La Grande Rivière</b>							
Domestic	691	537	100	8	30	16	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>692</b>	<b>538</b>	<b>100</b>	<b>8</b>	<b>30</b>	<b>16</b>	<b>0</b>
<b>La Ronge</b>							
Domestic	1,387	1,076	96	0	45	170	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,387</b>	<b>1,076</b>	<b>96</b>	<b>0</b>	<b>45</b>	<b>170</b>	<b>0</b>
<b>Lethbridge</b>							
Domestic	965	371	33	257	265	24	15
Transborder	58	4	2	1	50	0	1
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,024</b>	<b>376</b>	<b>35</b>	<b>258</b>	<b>315</b>	<b>24</b>	<b>16</b>
<b>Lloydminster</b>							
Domestic	851	201	268	41	287	34	20
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>851</b>	<b>201</b>	<b>268</b>	<b>41</b>	<b>287</b>	<b>34</b>	<b>20</b>

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							
<b>Medicine Hat</b>							
Domestic	1,031	419	381	18	182	22	9
Transborder	5	2	2	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,036</b>	<b>421</b>	<b>383</b>	<b>18</b>	<b>183</b>	<b>22</b>	<b>9</b>
<b>Mont-Joli</b>							
Domestic	440	346	29	22	20	9	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>440</b>	<b>346</b>	<b>29</b>	<b>22</b>	<b>20</b>	<b>9</b>	<b>14</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,545	686	422	53	356	0	28
Transborder	198	188	0	1	8	0	1
Other international	10	7	0	3	0	0	0
<b>Total</b>	<b>1,753</b>	<b>881</b>	<b>422</b>	<b>57</b>	<b>364</b>	<b>0</b>	<b>29</b>
<b>Nanaimo</b>							
Domestic	1,930	386	571	86	712	88	87
Transborder	22	4	1	1	16	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,952</b>	<b>390</b>	<b>572</b>	<b>87</b>	<b>728</b>	<b>88</b>	<b>87</b>
<b>Norman Wells</b>							
Domestic	634	555	70	0	1	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>634</b>	<b>555</b>	<b>70</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>0</b>
<b>North Bay</b>							
Domestic	1,611	628	229	311	360	36	47
Transborder	15	4	1	3	7	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>1,627</b>	<b>632</b>	<b>230</b>	<b>314</b>	<b>368</b>	<b>36</b>	<b>47</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,480	93	389	221	696	55	26
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,488</b>	<b>93</b>	<b>389</b>	<b>221</b>	<b>704</b>	<b>55</b>	<b>26</b>
<b>Peace River</b>							
Domestic	514	338	114	4	46	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>514</b>	<b>338</b>	<b>114</b>	<b>4</b>	<b>46</b>	<b>12</b>	<b>0</b>
<b>Penticton</b>							
Domestic	1,473	320	631	67	389	22	44
Transborder	19	1	0	0	16	2	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,492</b>	<b>321</b>	<b>631</b>	<b>67</b>	<b>405</b>	<b>24</b>	<b>44</b>
<b>Port Hardy</b>							
Domestic	586	423	39	12	26	60	26
Transborder	7	0	0	0	5	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>593</b>	<b>423</b>	<b>39</b>	<b>12</b>	<b>31</b>	<b>60</b>	<b>28</b>
<b>Prince Albert</b>							
Domestic	1,612	1,254	74	12	147	117	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,612</b>	<b>1,254</b>	<b>74</b>	<b>12</b>	<b>147</b>	<b>117</b>	<b>8</b>

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							
<b>Prince Rupert</b>							
Domestic	279	249	4	0	14	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>280</b>	<b>249</b>	<b>4</b>	<b>0</b>	<b>15</b>	<b>12</b>	<b>0</b>
<b>Rankin Inlet</b>							
Domestic	1,180	1,020	89	63	2	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,180</b>	<b>1,020</b>	<b>89</b>	<b>63</b>	<b>2</b>	<b>6</b>	<b>0</b>
<b>Red Deer Regional</b>							
Domestic	1,778	189	720	207	622	30	10
Transborder	13	0	5	0	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,791</b>	<b>189</b>	<b>725</b>	<b>207</b>	<b>630</b>	<b>30</b>	<b>10</b>
<b>Rouyn-Noranda</b>							
Domestic	1,129	629	164	113	184	37	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,129</b>	<b>629</b>	<b>164</b>	<b>113</b>	<b>184</b>	<b>37</b>	<b>2</b>
<b>Saint John</b>							
Domestic	1,048	679	57	88	214	8	2
Transborder	73	0	1	0	72	0	0
Other international	25	18	0	0	7	0	0
<b>Total</b>	<b>1,146</b>	<b>697</b>	<b>58</b>	<b>88</b>	<b>293</b>	<b>8</b>	<b>2</b>
<b>Sept-Îles</b>							
Domestic	2,031	1,167	549	100	134	74	7
Transborder	9	0	0	2	6	0	1
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>2,041</b>	<b>1,167</b>	<b>549</b>	<b>102</b>	<b>141</b>	<b>74</b>	<b>8</b>
<b>Sioux Lookout</b>							
Domestic	2,297	1,766	472	14	19	26	0
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,298</b>	<b>1,766</b>	<b>472</b>	<b>15</b>	<b>19</b>	<b>26</b>	<b>0</b>
<b>Smithers</b>							
Domestic	515	384	83	0	36	12	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>517</b>	<b>384</b>	<b>83</b>	<b>0</b>	<b>38</b>	<b>12</b>	<b>0</b>
<b>St. Catharines</b>							
Domestic	917	2	590	32	271	20	2
Transborder	42	2	7	1	32	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>959</b>	<b>4</b>	<b>597</b>	<b>33</b>	<b>303</b>	<b>20</b>	<b>2</b>
<b>Sudbury</b>							
Domestic	2,260	1,398	385	107	265	95	10
Transborder	16	3	5	0	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,276</b>	<b>1,401</b>	<b>390</b>	<b>107</b>	<b>273</b>	<b>95</b>	<b>10</b>
<b>Terrace</b>							
Domestic	1,063	554	463	0	30	16	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,068</b>	<b>554</b>	<b>463</b>	<b>0</b>	<b>35</b>	<b>16</b>	<b>0</b>



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							
<b>Thompson</b>							
Domestic	2,604	2,201	194	8	26	175	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,604</b>	<b>2,201</b>	<b>194</b>	<b>8</b>	<b>26</b>	<b>175</b>	<b>0</b>
<b>Timmins</b>							
Domestic	1,899	1,494	186	57	148	14	0
Transborder	9	2	0	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,908</b>	<b>1,496</b>	<b>186</b>	<b>57</b>	<b>155</b>	<b>14</b>	<b>0</b>
<b>Val-d'Or</b>							
Domestic	1,182	694	149	31	260	48	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,182</b>	<b>694</b>	<b>149</b>	<b>31</b>	<b>260</b>	<b>48</b>	<b>0</b>
<b>Victoria Harbour</b>							
Domestic	2,608	2,485	18	0	10	85	10
Transborder	295	294	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,903</b>	<b>2,779</b>	<b>18</b>	<b>0</b>	<b>11</b>	<b>85</b>	<b>10</b>
<b>Wabush</b>							
Domestic	1,097	776	234	21	48	18	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,098</b>	<b>776</b>	<b>234</b>	<b>21</b>	<b>49</b>	<b>18</b>	<b>0</b>
<b>Whitecourt</b>							
Domestic	583	18	341	107	111	6	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>584</b>	<b>18</b>	<b>341</b>	<b>107</b>	<b>112</b>	<b>6</b>	<b>0</b>
<b>Williams Lake</b>							
Domestic	567	409	40	6	104	2	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>567</b>	<b>409</b>	<b>40</b>	<b>6</b>	<b>104</b>	<b>2</b>	<b>6</b>
<b>Total of all flight service stations (51)</b>							
Domestic	62,815	34,984	13,082	3,519	8,581	1,787	862
Transborder	943	525	38	14	355	2	9
Other international	103	58	7	8	29	0	1
<b>Total</b>	<b>63,861</b>	<b>35,567</b>	<b>13,127</b>	<b>3,541</b>	<b>8,965</b>	<b>1,789</b>	<b>872</b>

**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	16	8,563	18	10	82	22	489
Boundary Bay	10	11,695	22	11	100	19	672
Calgary International	3	18,481	28	18	59	27	743
Calgary/Springbank	7	12,326	3	11	113	9	694
Chicoutimi/St-Honoré	23	6,816	12	11	111	12	588
Edmonton City Centre	28	5,546	18	15	44	26	281
Edmonton International	12	10,893	26	13	43	12	464
Edmonton/Villeneuve	19	7,479	19	11	79	25	406
Fort McMurray	31	5,313	27	10	54	27	334
Fredericton International	33	5,084	29	12	44	7	386
Gander International	40	3,005	10	11	50	1	241
Halifax/Robert L. Stanfield International	22	7,080	15	11	27	15	299
Hamilton	39	3,288	30	16	62	30	471
Kelowna	24	6,693	1	13	81	1	326
Kitchener/Waterloo	25	6,316	30	13	68	7	643
Langley	26	6,273	15	12	94	15	424
London	18	7,787	2	10	76	8	574
Moncton/Greater Moncton International	27	6,264	4	13	53	7	427
Montréal/Pierre Elliott Trudeau International	4	18,361	14	18	68	29	742
Montréal/St-Hubert	5	14,582	22	11	133	8	1,246
Oshawa	37	3,626	13	10	81	9	360
Ottawa/Macdonald-Cartier International	6	13,359	19	17	77	8	653
Pitt Meadows	14	9,799	22	15	114	23	871
Prince George	29	5,522	23	11	92	17	392
Québec/Jean Lesage International	11	10,897	7	17	79	7	679
Regina International	32	5,272	29	9	42	13	285
Saskatoon/John G. Diefenbaker International	17	8,501	18	16	79	21	445
Sault Ste. Marie	34	4,819	13	11	84	19	367
St. John's International	36	3,692	17	13	34	17	169
St-Jean	41	2,508	24	11	52	24	346
Thunder Bay	21	7,257	20	11	98	20	474
Toronto/Billy Bishop Toronto City	20	7,273	30	13	76	30	444
Toronto/Buttonville Municipal	15	9,468	25	12	120	18	728
Toronto/Lester B. Pearson International	1	34,954	13	18	100	7	1,286
Vancouver Harbour	35	4,092	7	17	24	8	189
Vancouver International	2	23,348	21	18	74	21	895
Victoria International	8	11,767	8	11	78	7	621
Whitehorse International	38	3,519	1	14	71	30	308
Windsor	42	1,433	30	11	27	30	129
Winnipeg/James Armstrong Richardson International	9	11,719	14	16	66	14	500
Winnipeg/St. Andrews	13	10,446	6	13	101	13	635
Yellowknife	30	5,491	27	17	51	27	299

**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	29	1,463	27	13	39	27	123
Campbell River	15	2,409	6	17	124	6	210
Castlegar	21	1,913	8	14	54	8	186
Charlottetown	41	824	16	17	14	16	46
Churchill	39	966	20	10	10	20	48
Cranbrook	40	946	9	10	21	12	79
Deer Lake	25	1,612	13	11	47	13	170
Fort Nelson	27	1,585	25	15	26	13	97
Fort St. John	12	2,551	1	14	53	1	210
Grande Prairie	4	3,563	26	14	53	27	213
High Level	34	1,225	23	10	34	23	104
Îles-de-la-Madeleine	51	378	6	13	6	6	25
Inuvik/Mike Zubko	43	663	12	18	11	18	38
Iqaluit	22	1,750	4	12	16	4	93
Kamloops	10	2,873	3	10	58	3	192
Kenora	20	1,917	5	11	57	7	246
Kingston	13	2,544	22	15	42	24	215
Kuujuuaq	37	1,128	9	11	15	29	57
La Grande Rivière	42	692	6	14	8	6	49
La Ronge	23	1,681	21	19	20	28	121
Lethbridge	24	1,632	8	13	30	9	134
Lloydminster	32	1,371	30	12	28	3	98
Medicine Hat	33	1,370	12	19	24	12	114
Mont-Joli	49	440	15	18	8	19	31
Montréal/Mirabel International	7	3,067	8	15	38	8	201
Nanaimo	6	3,284	8	10	46	23	325
Norman Wells	45	640	1	11	9	25	32
North Bay	1	4,133	30	11	75	8	369
Ottawa/Gatineau	2	3,958	10	11	72	15	359
Peace River	48	544	6	10	11	29	41
Penticton	3	3,948	27	14	73	27	292
Port Hardy	47	607	27	11	11	27	36
Prince Albert	17	2,098	26	16	36	27	214
Prince Rupert	50	400	29	16	18	29	93
Rankin Inlet	36	1,180	8	13	12	8	62
Red Deer Regional	5	3,293	21	11	47	4	222
Rouyn-Noranda	31	1,391	3	13	22	7	88
Saint John	26	1,586	12	11	35	19	119
Sept-Îles	14	2,493	8	9	35	8	143
Sioux Lookout	16	2,357	14	16	16	19	112
Smithers	46	617	19	8	49	19	123
St. Catharines	19	1,971	30	14	43	3	241
Sudbury	8	3,016	12	10	47	12	223
Terrace	35	1,186	15	10	25	27	82
Thompson	11	2,652	9	19	17	28	118
Timmins	18	1,994	4	20	20	6	108
Val-d'Or	28	1,528	22	16	32	22	122
Victoria Harbour	9	2,909	28	17	25	28	141
Wabush	38	1,098	19	10	9	18	51
Whitecourt	30	1,422	29	13	38	20	132
Williams Lake	44	643	22	15	24	22	47

**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	3,263	12	13	29	8	224
Boundary Bay	17	4,527	22	15	48	23	330
Calgary International	3	18,323	28	18	59	27	741
Calgary/Springbank	15	4,860	10	13	46	9	322
Chicoutimi/St-Honoré	38	1,802	26	16	20	8	136
Edmonton City Centre	14	4,892	18	15	28	26	241
Edmonton International	6	10,421	5	7	39	5	446
Edmonton/Villeneuve	39	1,731	30	9	35	25	166
Fort McMurray	22	3,841	7	15	19	28	177
Fredericton International	32	2,498	19	10	17	7	160
Gander International	36	1,877	1	14	12	1	123
Halifax/Robert L. Stanfield International	10	6,730	8	15	24	8	270
Hamilton	34	2,344	30	13	57	30	405
Kelowna	19	4,169	15	14	22	15	185
Kitchener/Waterloo	30	2,958	30	10	35	30	266
Langley	33	2,453	8	15	24	8	184
London	24	3,707	14	11	30	14	261
Moncton/Greater Moncton International	25	3,656	4	15	21	7	227
Montréal/Pierre Elliott Trudeau International	4	18,205	14	18	68	21	697
Montréal/St-Hubert	11	6,504	8	12	54	7	525
Oshawa	40	1,546	30	12	30	30	189
Ottawa/Macdonald-Cartier International	5	10,561	19	16	46	19	467
Pitt Meadows	23	3,721	23	15	54	23	409
Prince George	31	2,606	17	15	63	17	358
Québec/Jean Lesage International	8	7,119	30	13	38	7	353
Regina International	26	3,654	13	16	17	13	197
Saskatoon/John G. Diefenbaker International	12	5,327	15	15	27	13	250
Sault Ste. Marie	35	2,089	19	17	16	19	119
St. John's International	28	3,356	7	16	13	7	150
St-Jean	42	910	24	11	34	24	262
Thunder Bay	16	4,658	12	14	26	7	228
Toronto/Billy Bishop Toronto City	13	5,263	9	13	36	30	260
Toronto/Buttonville Municipal	18	4,508	3	12	45	9	364
Toronto/Lester B. Pearson International	1	34,766	13	18	100	7	1,284
Vancouver Harbour	20	4,090	7	17	24	8	189
Vancouver International	2	23,318	21	18	74	21	895
Victoria International	9	7,065	8	11	38	7	339
Whitehorse International	37	1,869	27	11	17	27	121
Windsor	41	1,015	13	10	12	30	85
Winnipeg/James Armstrong Richardson International	7	10,031	28	14	37	7	434
Winnipeg/St. Andrews	27	3,428	7	13	24	11	196
Yellowknife	21	3,977	1	16	23	19	174

**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	33	973	27	10	20	4	68
Campbell River	21	1,353	7	16	20	7	81
Castlegar	34	967	8	8	11	8	68
Charlottetown	40	718	28	19	7	15	29
Churchill	35	966	20	10	10	20	48
Cranbrook	39	766	12	10	14	12	43
Deer Lake	22	1,248	11	8	10	13	78
Fort Nelson	18	1,463	5	9	22	13	93
Fort St. John	10	1,789	5	10	13	4	95
Grande Prairie	5	2,267	20	16	15	20	130
High Level	32	983	17	14	10	26	55
Îles-de-la-Madeleine	50	378	6	13	6	6	25
Inuvik/Mike Zubko	42	643	10	13	8	18	36
Iqaluit	13	1,660	4	12	14	4	81
Kamloops	11	1,760	23	13	17	23	98
Kenora	37	867	6	12	11	6	65
Kingston	19	1,422	2	13	14	30	94
Kuujuuaq	31	1,012	1	11	10	4	48
La Grande Rivière	41	692	6	14	8	6	49
La Ronge	20	1,387	21	16	15	28	85
Lethbridge	30	1,024	9	10	20	9	82
Lloydminster	38	851	29	17	10	20	49
Medicine Hat	29	1,036	29	22	21	29	70
Mont-Joli	49	440	15	18	8	19	31
Montréal/Mirabel International	12	1,753	8	13	14	19	109
Nanaimo	7	1,952	30	14	19	22	119
Norman Wells	43	634	1	11	9	25	32
North Bay	14	1,627	1	14	17	15	111
Ottawa/Gatineau	17	1,488	9	12	20	30	134
Peace River	48	514	25	11	6	29	41
Penticton	16	1,492	8	16	13	8	93
Port Hardy	44	593	23	14	9	7	33
Prince Albert	15	1,612	26	16	16	27	98
Prince Rupert	51	280	3	10	7	12	19
Rankin Inlet	24	1,180	8	13	12	8	62
Red Deer Regional	9	1,791	21	11	21	22	116
Rouyn-Noranda	26	1,129	19	15	11	12	68
Saint John	25	1,146	22	11	8	3	57
Sept-Îles	6	2,041	1	10	16	8	109
Sioux Lookout	3	2,298	19	8	15	4	105
Smithers	47	517	21	10	9	19	35
St. Catharines	36	959	30	14	19	30	122
Sudbury	4	2,276	6	17	16	8	121
Terrace	28	1,068	1	15	14	4	69
Thompson	2	2,604	28	9	16	28	118
Timmins	8	1,908	6	15	17	6	108
Val-d'Or	23	1,182	3	10	11	19	69
Victoria Harbour	1	2,903	28	17	25	28	141
Wabush	27	1,098	19	10	9	18	51
Whitecourt	45	584	26	14	9	27	40
Williams Lake	46	567	4	9	7	7	31

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	5,300	18	10	68	22	356
Boundary Bay	3	7,168	19	14	82	19	520
Calgary International	39	158	17	16	24	17	44
Calgary/Springbank	2	7,466	3	11	94	3	462
Chicoutimi/St-Honoré	8	5,014	12	11	98	12	466
Edmonton City Centre	33	654	30	13	28	27	54
Edmonton International	34	472	10	15	18	12	32
Edmonton/Villeneuve	6	5,748	18	19	72	7	328
Fort McMurray	30	1,472	27	10	46	27	172
Fredericton International	21	2,586	16	10	30	7	226
Gander International	31	1,128	10	11	44	10	142
Halifax/Robert L. Stanfield International	36	350	4	11	12	15	32
Hamilton	32	944	9	13	26	21	100
Kelowna	22	2,524	1	13	62	1	164
Kitchener/Waterloo	14	3,358	13	11	50	7	402
Langley	12	3,820	15	12	76	15	280
London	11	4,080	2	10	56	8	360
Moncton/Greater Moncton International	19	2,608	4	13	38	4	206
Montréal/Pierre Elliott Trudeau International	40	156	29	10	24	29	60
Montréal/St-Hubert	1	8,078	2	11	104	8	734
Oshawa	23	2,080	13	10	74	9	212
Ottawa/Macdonald-Cartier International	17	2,798	7	21	48	9	264
Pitt Meadows	5	6,078	15	15	78	22	486
Prince George	16	2,916	23	11	80	23	294
Québec/Jean Lesage International	13	3,778	7	9	50	12	350
Regina International	27	1,618	29	9	30	29	100
Saskatoon/John G. Diefenbaker International	15	3,174	18	16	64	21	198
Sault Ste. Marie	18	2,730	13	11	74	12	254
St. John's International	37	336	17	13	28	17	62
St-Jean	28	1,598	14	17	48	14	226
Thunder Bay	20	2,599	20	11	82	20	278
Toronto/Billy Bishop Toronto City	24	2,010	18	16	46	18	214
Toronto/Buttonville Municipal	9	4,960	25	12	94	18	508
Toronto/Lester B. Pearson International	38	188	17	13	16	30	34
Vancouver Harbour	42	2	28	9	2	28	2
Vancouver International	41	30	9	7	4	27	6
Victoria International	10	4,702	23	17	60	7	282
Whitehorse International	26	1,650	1	14	60	30	238
Windsor	35	418	18	16	20	18	50
Winnipeg/James Armstrong Richardson International	25	1,688	14	16	38	18	116
Winnipeg/St. Andrews	4	7,018	6	13	80	13	460
Yellowknife	29	1,514	27	16	32	27	132

**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	19	490	27	13	32	27	68
Campbell River	10	1,056	6	17	121	6	161
Castlegar	13	946	8	14	52	8	118
Charlottetown	34	106	16	17	14	16	24
Churchill	0	0	0	0	0	0	0
Cranbrook	29	180	23	10	18	12	36
Deer Lake	23	364	13	11	42	13	92
Fort Nelson	30	122	25	15	24	25	24
Fort St. John	15	762	1	14	42	1	122
Grande Prairie	7	1,296	26	14	48	27	100
High Level	28	242	23	10	32	23	82
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	20	12	18	6	12	6
Iqaluit	36	90	26	16	8	5	16
Kamloops	9	1,113	3	10	44	3	128
Kenora	11	1,050	5	11	52	7	200
Kingston	8	1,122	22	15	30	24	144
Kuuujuaq	33	116	23	17	10	23	18
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	26	294	21	19	16	28	36
Lethbridge	17	608	1	10	24	21	68
Lloydminster	18	520	1	14	18	1	60
Medicine Hat	25	334	12	19	22	12	60
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	6	1,314	26	11	26	26	110
Nanaimo	5	1,332	8	10	42	23	218
Norman Wells	45	6	27	12	4	27	4
North Bay	1	2,506	30	11	64	8	266
Ottawa/Gatineau	2	2,470	10	11	60	15	250
Peace River	41	30	6	10	8	6	8
Penticton	3	2,456	27	14	66	27	234
Port Hardy	43	14	27	11	6	8	8
Prince Albert	20	486	27	19	24	27	116
Prince Rupert	31	120	29	16	18	29	76
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	1,502	15	16	32	4	146
Rouyn-Noranda	27	262	2	11	18	3	36
Saint John	22	440	12	11	28	19	68
Sept-Îles	21	452	8	9	26	20	50
Sioux Lookout	39	59	18	14	10	18	10
Smithers	35	100	19	8	42	19	88
St. Catharines	12	1,012	3	15	30	3	162
Sudbury	16	740	12	10	36	12	108
Terrace	32	118	27	14	16	27	24
Thompson	40	48	9	18	12	9	24
Timmins	37	86	4	20	20	4	20
Val-d'Or	24	346	25	13	26	25	66
Victoria Harbour	44	6	20	12	6	20	6
Wabush	0	0	0	0	0	0	0
Whitecourt	14	838	29	13	34	29	100
Williams Lake	38	76	22	15	18	22	30

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	5,296	18	10	68	22	356
Boundary Bay	3	7,168	19	14	82	19	520
Calgary International	39	158	17	16	24	17	44
Calgary/Springbank	2	7,466	3	11	94	3	462
Chicoutimi/St-Honoré	8	4,994	12	11	98	12	466
Edmonton City Centre	33	654	30	13	28	27	54
Edmonton International	34	464	10	15	18	12	32
Edmonton/Villeneuve	6	5,748	18	19	72	7	328
Fort McMurray	29	1,468	27	10	46	27	172
Fredericton International	20	2,586	16	10	30	7	226
Gander International	31	1,128	10	11	44	10	142
Halifax/Robert L. Stanfield International	37	326	22	18	12	15	32
Hamilton	32	932	9	13	26	21	98
Kelowna	22	2,512	1	13	62	1	164
Kitchener/Waterloo	14	3,358	13	11	50	7	402
Langley	12	3,820	15	12	76	15	280
London	11	4,066	2	10	56	8	354
Moncton/Greater Moncton International	19	2,602	4	13	38	4	206
Montréal/Pierre Elliott Trudeau International	40	156	29	10	24	29	60
Montréal/St-Hubert	1	8,076	2	11	104	8	734
Oshawa	23	2,078	13	10	74	9	212
Ottawa/Macdonald-Cartier International	17	2,796	7	21	48	9	264
Pitt Meadows	5	6,078	15	15	78	22	486
Prince George	16	2,916	23	11	80	23	294
Québec/Jean Lesage International	13	3,776	7	9	50	12	350
Regina International	30	1,464	29	9	30	29	94
Saskatoon/John G. Diefenbaker International	15	3,066	18	16	64	21	190
Sault Ste. Marie	18	2,724	13	11	74	12	254
St. John's International	36	336	17	13	28	17	62
St-Jean	27	1,598	14	17	48	14	226
Thunder Bay	21	2,564	20	11	82	20	274
Toronto/Billy Bishop Toronto City	24	2,004	18	16	46	18	214
Toronto/Buttonville Municipal	9	4,960	25	12	94	18	508
Toronto/Lester B. Pearson International	38	188	17	13	16	30	34
Vancouver Harbour	42	2	28	9	2	28	2
Vancouver International	41	30	9	7	4	27	6
Victoria International	10	4,664	23	17	60	7	282
Whitehorse International	26	1,650	1	14	60	30	238
Windsor	35	418	18	16	20	18	50
Winnipeg/James Armstrong Richardson International	25	1,682	14	16	38	18	116
Winnipeg/St. Andrews	4	7,018	6	13	80	13	460
Yellowknife	28	1,512	27	16	32	27	132



**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	20	464	27	13	32	27	68
Campbell River	9	1,056	6	17	121	6	161
Castlegar	11	946	8	14	52	8	118
Charlottetown	34	102	16	17	14	16	24
Churchill	0	0	0	0	0	0	0
Cranbrook	29	176	23	10	18	12	36
Deer Lake	24	340	13	11	42	13	92
Fort Nelson	30	122	25	15	24	25	24
Fort St. John	15	762	1	14	42	1	122
Grande Prairie	6	1,296	26	14	48	27	100
High Level	28	242	23	10	32	23	82
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	20	12	18	6	12	6
Iqaluit	37	84	26	16	8	5	16
Kamloops	8	1,113	3	10	44	3	128
Kenora	14	836	7	16	36	7	200
Kingston	7	1,120	22	15	30	24	144
Kuuujuaq	33	116	23	17	10	23	18
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	26	294	21	19	16	28	36
Lethbridge	17	608	1	10	24	21	68
Lloydminster	18	520	1	14	18	1	60
Medicine Hat	25	334	12	19	22	12	60
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	5	1,300	26	11	26	26	110
Nanaimo	13	836	8	10	40	11	108
Norman Wells	44	6	27	12	4	27	4
North Bay	1	2,506	30	11	64	8	266
Ottawa/Gatineau	2	2,470	10	11	60	15	250
Peace River	41	30	6	10	8	6	8
Penticton	3	2,452	27	14	66	27	234
Port Hardy	43	10	27	11	6	27	6
Prince Albert	19	486	27	19	24	27	116
Prince Rupert	31	120	29	16	18	29	76
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	1,498	15	16	32	4	146
Rouyn-Noranda	27	262	2	11	18	3	36
Saint John	22	440	12	11	28	19	68
Sept-Îles	21	452	8	9	26	20	50
Sioux Lookout	39	59	18	14	10	18	10
Smithers	35	100	19	8	42	19	88
St. Catharines	10	1,012	3	15	30	3	162
Sudbury	16	740	12	10	36	12	108
Terrace	32	118	27	14	16	27	24
Thompson	40	48	9	18	12	9	24
Timmins	36	86	4	20	20	4	20
Val-d'Or	23	346	25	13	26	25	66
Victoria Harbour	45	6	20	12	6	20	6
Wabush	0	0	0	0	0	0	0
Whitecourt	12	838	29	13	34	29	100
Williams Lake	38	76	22	15	18	22	30

**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	15	4	7	19	2	7	2
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	6	20	3	15	8	3	8
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	10	8	6	13	2	6	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	16	4	14	16	2	14	4
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	5	24	4	11	12	4	12
Hamilton	8	12	20	15	4	20	6
Kelowna	9	12	30	11	12	30	12
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	7	14	8	21	6	8	6
Moncton/Greater Moncton International	11	6	19	22	2	19	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	20	2	21	15	2	21	2
Oshawa	21	2	21	13	2	21	2
Ottawa/Macdonald-Cartier International	17	2	21	16	2	21	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	18	2	21	11	2	21	2
Regina International	1	154	13	11	8	7	22
Saskatoon/John G. Diefenbaker International	2	108	6	14	10	1	12
Sault Ste. Marie	12	6	18	17	4	18	4
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	35	29	17	25	29	25
Toronto/Billy Bishop Toronto City	13	6	20	15	4	20	4
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	3	38	5	16	20	5	20
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	14	6	29	18	6	29	6
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	19	2	24	14	2	24	2

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	3	26	1	11	12	1	12
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	7	4	11	15	2	11	2
Churchill	0	0	0	0	0	0	0
Cranbrook	8	4	14	15	4	14	4
Deer Lake	4	24	11	11	20	11	24
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	6	6	18	16	6	18	6
Kamloops	0	0	0	0	0	0	0
Kenora	2	214	5	11	44	5	72
Kingston	12	2	5	11	2	5	2
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
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	5	14	6	12	10	6	10
Nanaimo	1	496	30	13	28	30	144
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	10	4	5	11	4	5	4
Port Hardy	9	4	8	15	2	8	4
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	11	4	17	10	4	17	4
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	0	0	0	0	0	0	0

# Methodology

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## 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

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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

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### Factors influencing the data

Heavy fog in downtown Toronto in April 2011 resulted in numerous Porter Airlines flight cancellations.

Significant winter storms continued to affect the northeastern United States and eastern Canada in February forcing flight delays and cancellations.

Significant winter storms struck the northeastern United States, Atlantic Canada and Britain in both December and January forcing flight delays and cancellations.

Effective November 1, 2010 Jazz Air LP (Jazz), partnering with Thomas Cook Canada Inc., will operate flights to various sun destinations in the Caribbean, Mexico and Central America from Toronto, Ottawa, Montreal and Halifax between November to April.

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

On August 4, 2010, work was begun to close runway 16/34 at Edmonton City Centre Airport.

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.

## Appendix II

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### 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:** Effective 2010, Canadian air carriers that, in each of the two calendar years 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:** Effective 2010, 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.



## **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.