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



February 2010



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Statistics Canada  
Transportation Division

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

February 2010

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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

## Acknowledgements

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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 11.4% in February 2010 compared with February 2009. These airports reported 371,909 movements in February compared with 419,853 movements in February 2009.
- Itinerant movements (flights from one airport to another) decreased 7.6% (-22,409 movements) in February 2010 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) fell by 20.3% (-25,535 movements) in February 2010 over the previous year.

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

	NAV CANADA towers	Change from February 2010/ February 2009	NAV CANADA Flight Service Stations	Change from February 2010/ February 2009	Total	Change from February 2010/ February 2009
	number	percent	number	percent	number	percent
<b>Grand total</b>	<b>302,969</b>	<b>-10.7</b>	<b>68,940</b>	<b>-14.5</b>	<b>371,909</b>	<b>-11.4</b>
<b>Itinerant movements</b>						
Air carriers	179,308	-2.8	40,737	-11.2	220,045	-4.4
Other commercial movements	19,214	-25.0	2,286	-21.6	21,500	-24.7
Private movements	16,208	-15.3	5,371	-10.7	21,579	-14.2
Government civil movements	3,844	-9.4	1,297	-21.7	5,141	-12.9
Government military movements	2,499	-16.8	608	-32.4	3,107	-20.4
Itinerant total	221,073	-6.5	50,299	-12.3	271,372	-7.6
<b>Local movements</b>						
Civil local movements	80,918	-20.3	18,489	-20.1	99,407	-20.3
Military local movements	978	-19.2	152	24.6	1,130	-15.2
Local total	81,896	-20.3	18,641	-19.9	100,537	-20.3

## 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 11.4% in February 2010 compared with February 2009. These airports reported 371,909 movements in February compared with 419,853 movements in February 2009.

Itinerant movements (flights from one airport to another) decreased 7.6% (-22,409 movements) in February 2010 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) fell by 20.3% (-25,535 movements) in February 2010 over the previous year.

### **Airports with NAV CANADA air traffic control towers**

The 42 Canadian airports with NAV CANADA air traffic control towers reported 302,969 aircraft take-offs and landings in February 2010, down 10.7% (-36,267 movements) from February 2009. Increases in the number of aircraft movements were reported by 11 of these airports in February 2010. The variations ranged from an increase of 23.9% at Hamilton, Ontario to a decline of 87.7% at Boundary Bay, British Columbia.

Itinerant movements (flights from one airport to another) decreased 6.5% (-15,361 movements) in February 2010 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 38.2% increase (+1,322 movements) at Billy Bishop Toronto City, Ontario to a decline of 84.8% (-5,575 movements) at Boundary Bay, British Columbia.

Local movements (flights that remain in the vicinity of the airport) declined by 20,906 movements (-20.3%) in February 2010 compared with February 2009. Winnipeg/St. Andrews, Manitoba recorded the largest gain, increasing by 1,123 movements (+23.9%) while Boundary Bay, British Columbia reported the largest decline with 7,547 fewer movements (-89.9%) compared with the previous year.

The Flight Service Station at Fredericton International, New Brunswick closed effective January 2010 and re-opened as an Air Traffic Control Tower. Fredericton reported 5,800 movements in February 2010 compared with 6,127 movements reported for the Flight Service Station in February 2009, down 5.3%.

### **Airports with NAV CANADA flight service stations**

The 51 Canadian airports with NAV CANADA flight service stations reported 68,940 aircraft take-offs and landings in February 2010 down 14.5% (-11,677 movements) compared with February 2009. Year-over-year increases in aircraft movements were reported by 21 of these airports in February 2010. The variations ranged from a 181.0% increase (+829 movements) at Castlegar, British Columbia to a decline of 48.7% (-1,576 movements) at Campbell River, British Columbia.

Itinerant movements (flights from one airport to another) decreased 12.3% (-7,048 movements) in February 2010 compared with the same month a year earlier. Variations in itinerant movements ranged from a 72.0% increase (+295 movements) at Castlegar, British Columbia to a decline of 37.0% (-439 movements) at Medicine Hat, Alberta.



Local movements (flights that remain in the vicinity of the airport) recorded in February 2010 fell 19.9% (-4,629 movements) compared with the same month a year earlier. Montreal/Mirabel International, Quebec recorded the largest gain in local movements, reporting an increase of 702 movements (+188.7%). Campbell River, British Columbia recorded the largest decline in local movements, reporting 1,184 fewer movements (-65.9%) compared with February 2009.

## 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)
51-206-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
401-0012	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
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401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

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

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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	11	9,356	16	4,303	4	5,053
Billy Bishop Toronto City	13	8,144	12	4,782	9	3,362
Boundary Bay	39	1,843	39	998	26	845
Calgary International	3	18,127	3	18,022	38	105
Calgary/Springbank	5	11,802	14	4,569	1	7,233
Chicoutimi/St-Honoré	35	2,610	40	975	19	1,635
Edmonton City Centre	25	5,208	17	4,208	25	1,000
Edmonton International	9	10,190	5	9,990	37	200
Edmonton/Villeneuve	26	4,896	36	1,241	8	3,655
Fort McMurray	32	3,455	24	3,052	33	403
Fredericton International	21	5,800	23	3,063	13	2,737
Gander International	37	2,437	35	1,326	24	1,111
Halifax/Robert L Stanfield International	22	5,781	10	5,579	36	202
Hamilton	34	2,765	30	2,315	30	450
Kelowna	23	5,564	20	3,631	17	1,933
Kitchener/Waterloo	24	5,499	29	2,539	12	2,960
Langley	28	3,873	33	1,624	15	2,249
London	15	8,028	18	3,961	7	4,067
Moncton/Greater Moncton International	20	6,202	19	3,779	14	2,423
Montréal/Pierre Elliott Trudeau International	4	15,804	4	15,804	0	0
Montréal/St-Hubert	7	10,590	13	4,638	2	5,952
Oshawa	36	2,609	37	1,234	22	1,375
Ottawa/Macdonald-Cartier International	6	10,920	7	9,312	20	1,608
Pitt Meadows	17	7,037	31	2,204	5	4,833
Prince George	38	2,084	34	1,620	29	464
Québec/Jean Lesage International	16	7,217	9	5,683	21	1,534
Regina International	30	3,630	26	2,842	27	788
Saskatoon/John G Diefenbaker International	19	6,480	15	4,536	16	1,944
Sault Ste. Marie	29	3,658	32	1,903	18	1,755
St. John's International	33	2,977	28	2,603	34	374
St-Jean	42	968	42	620	35	348
Thunder Bay	14	8,098	11	5,038	11	3,060
Toronto/Buttonville Municipal	18	6,826	21	3,620	10	3,206
Toronto/Lester B Pearson International	1	30,759	1	30,759	0	0
Vancouver Harbour	31	3,481	22	3,481	0	0
Vancouver International	2	21,908	2	21,908	0	0
Victoria International	8	10,421	8	5,907	6	4,514
Whitehorse International	40	1,593	38	1,007	28	586
Windsor	41	1,386	41	966	31	420
Winnipeg/James Armstrong Richardson International	10	9,993	6	9,576	32	417
Winnipeg/St. Andrews	12	8,852	25	3,027	3	5,825
Yellowknife	27	4,098	27	2,828	23	1,270
<b>Total of NAV CANADA towers (42)</b>	.	<b>302,969</b>	.	<b>221,073</b>	.	<b>81,896</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	18	1,408	38	614	9	794
Campbell River	16	1,662	21	1,050	14	612
Castlegar	22	1,287	35	705	15	582
Charlottetown	33	936	30	771	22	165
Churchill	39	766	31	760	47	6
Cranbrook	27	1,192	28	822	17	370
Deer Lake	24	1,284	20	1,102	21	182
Fort Nelson	29	1,084	22	1,022	31	62
Fort St John	8	2,332	9	1,360	7	972
Grande Prairie	2	2,763	5	1,827	8	936
High Level	42	633	43	523	29	110
Îles-de-la-Madeleine	51	309	50	309	0	0
Inuvik/Mike Zubko	43	590	39	572	42	18
Iqaluit	26	1,220	19	1,118	30	102
Kamloops	12	2,093	8	1,409	13	684
Kenora	34	927	29	779	25	148
Kingston	5	2,459	10	1,355	4	1,104
Kuujuuaq	37	793	33	749	36	44
La Grande Rivière	41	710	37	680	40	30
La Ronge	28	1,109	23	957	23	152
Lethbridge	14	1,806	18	1,118	12	688
Lloydminster	31	1,053	41	535	16	518
Medicine Hat	30	1,084	34	746	18	338
Mont-Joli	49	355	49	337	43	18
Montréal/Mirabel International	7	2,357	11	1,283	5	1,074
Nanaimo	23	1,284	15	1,174	28	110
Norman Wells	46	509	45	493	44	16
North Bay	1	3,181	14	1,201	1	1,980
Ottawa/Gatineau	6	2,371	24	859	3	1,512
Peace River	47	452	48	440	45	12
Penticton	3	2,703	17	1,145	2	1,558
Port Hardy	45	530	46	484	35	46
Prince Albert	19	1,390	12	1,274	27	116
Prince Rupert	50	317	51	268	33	49
Rankin Inlet	35	846	25	846	0	0
Red Deer Regional	10	2,294	13	1,253	6	1,041
Rouyn-Noranda	36	846	27	824	41	22
Saint John	25	1,270	16	1,148	26	122
Sept-Îles	17	1,648	7	1,588	32	60
Sioux Lookout	13	2,046	4	2,010	37	36
Smithers	48	451	47	449	48	2
St Catharines	20	1,320	42	532	10	788
Sudbury	9	2,315	3	2,099	19	216
Terrace	40	713	36	705	46	8
Thompson	4	2,534	1	2,384	24	150
Timmins	15	1,743	6	1,711	38	32
Val-d'Or	32	1,027	26	825	20	202
Victoria Harbour	11	2,287	2	2,287	0	0
Wabush	38	789	32	757	39	32
Whitecourt	21	1,318	40	542	11	776
Williams Lake	44	544	44	498	34	46
<b>Total of all flight service stations (51)</b>	.	<b>68,940</b>	.	<b>50,299</b>	.	<b>18,641</b>

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

	Civil movements			Military movements			
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Abbotsford	9,303	3,307	943	5,053	53	53	0
Billy Bishop Toronto City	8,144	4,506	276	3,362	0	0	0
Boundary Bay	1,833	885	103	845	10	10	0
Calgary International	18,097	16,697	1,299	101	30	26	4
Calgary/Springbank	11,800	3,539	1,030	7,231	2	0	2
Chicoutimi/St-Honoré	2,610	933	42	1,635	0	0	0
Edmonton City Centre	5,204	3,276	930	998	4	2	2
Edmonton International	10,151	9,576	381	194	39	33	6
Edmonton/Villeneuve	4,896	1,034	207	3,655	0	0	0
Fort McMurray	3,453	2,742	310	401	2	0	2
Fredericton International	5,692	2,899	113	2,680	108	51	57
Gander International	2,057	1,016	131	910	380	179	201
Halifax/Robert L. Stanfield International	5,622	5,239	221	162	159	119	40
Hamilton	2,755	1,882	423	450	10	10	0
Kelowna	5,542	3,221	388	1,933	22	22	0
Kitchener/Waterloo	5,499	1,944	595	2,960	0	0	0
Langley	3,871	1,307	315	2,249	2	2	0
London	8,021	3,331	623	4,067	7	7	0
Moncton/Greater Moncton International	6,188	3,552	215	2,421	14	12	2
Montréal/Pierre Elliott Trudeau International	15,777	14,730	1,047	0	27	27	0
Montréal/St-Hubert	10,566	3,864	750	5,952	24	24	0
Oshawa	2,603	805	423	1,375	6	6	0
Ottawa/Macdonald-Cartier International	10,708	8,471	641	1,596	212	200	12
Pitt Meadows	7,028	1,761	434	4,833	9	9	0
Prince George	2,079	1,418	197	464	5	5	0
Québec/Jean Lesage International	7,158	5,012	612	1,534	59	59	0
Regina International	3,490	2,437	313	740	140	92	48
Saskatoon/John G. Diefenbaker International	6,310	3,905	537	1,868	170	94	76
Sault Ste. Marie	3,628	1,777	114	1,737	30	12	18
St. John's International	2,832	2,299	159	374	145	145	0
St-Jean	952	419	185	348	16	16	0
Thunder Bay	8,035	4,820	185	3,030	63	33	30
Toronto/Buttonville Municipal	6,826	2,311	1,309	3,206	0	0	0
Toronto/Lester B. Pearson International	30,738	29,789	949	0	21	21	0
Vancouver Harbour	3,404	3,347	57	0	77	77	0
Vancouver International	21,497	19,899	1,598	0	411	411	0
Victoria International	9,829	4,634	987	4,208	592	286	306
Whitehorse International	1,550	852	126	572	43	29	14
Windsor	1,382	800	162	420	4	4	0
Winnipeg/James Armstrong Richardson International	9,522	8,755	456	311	471	365	106
Winnipeg/St. Andrews	8,827	2,857	146	5,824	25	24	1
Yellowknife	4,013	2,674	120	1,219	85	34	51
<b>Total of NAV CANADA towers (42)</b>	<b>299,492</b>	<b>198,522</b>	<b>20,052</b>	<b>80,918</b>	<b>3,477</b>	<b>2,499</b>	<b>978</b>



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

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Brandon Municipal	1,248	338	134	776	160	142	18
Campbell River	1,658	807	239	612	4	4	0
Castlegar	1,285	642	61	582	2	2	0
Charlottetown	923	668	96	159	13	7	6
Churchill	730	706	18	6	36	36	0
Cranbrook	1,180	617	193	370	12	12	0
Deer Lake	1,274	1,062	30	182	10	10	0
Fort Nelson	1,050	874	114	62	34	34	0
Fort St John	2,330	1,147	211	972	2	2	0
Grande Prairie	2,752	1,594	228	930	11	5	6
High Level	633	499	24	110	0	0	0
Îles-de-la-Madeleine	307	275	32	0	2	2	0
Inuvik/Mike Zubko	590	540	32	18	0	0	0
Iqaluit	1,204	1,000	102	102	16	16	0
Kamloops	2,086	1,153	249	684	7	7	0
Kenora	843	671	64	108	84	44	40
Kingston	2,419	1,030	289	1,100	40	36	4
Kuujuuaq	793	736	13	44	0	0	0
La Grande Rivière	710	643	37	30	0	0	0
La Ronge	1,109	899	58	152	0	0	0
Lethbridge	1,800	824	288	688	6	6	0
Lloydminster	1,051	361	172	518	2	2	0
Medicine Hat	1,074	600	138	336	10	8	2
Mont-Joli	355	306	31	18	0	0	0
Montréal/Mirabel International	2,308	1,035	229	1,044	49	19	30
Nanaimo	1,274	971	193	110	10	10	0
Norman Wells	509	466	27	16	0	0	0
North Bay	3,159	954	227	1,978	22	20	2
Ottawa/Gatineau	2,357	478	367	1,512	14	14	0
Peace River	452	399	41	12	0	0	0
Penticton	2,657	918	181	1,558	46	46	0
Port Hardy	464	401	59	4	66	24	42
Prince Albert	1,360	1,119	125	116	30	30	0
Prince Rupert	317	264	4	49	0	0	0
Rankin Inlet	846	832	14	0	0	0	0
Red Deer Regional	2,288	838	409	1,041	6	6	0
Rouyn-Noranda	846	720	104	22	0	0	0
Saint John	1,250	880	248	122	20	20	0
Sept-Îles	1,648	1,437	151	60	0	0	0
Sioux Lookout	2,034	1,953	47	34	12	10	2
Smithers	451	418	31	2	0	0	0
St Catharines	1,320	369	163	788	0	0	0
Sudbury	2,307	1,883	208	216	8	8	0
Terrace	710	688	14	8	3	3	0
Thompson	2,534	2,227	157	150	0	0	0
Timmins	1,737	1,522	183	32	6	6	0
Val-d'Or	1,023	699	122	202	4	4	0
Victoria Harbour	2,282	1,943	339	0	5	5	0
Wabush	785	703	50	32	4	4	0
Whitecourt	1,316	492	48	776	2	2	0
Williams Lake	542	422	74	46	2	2	0
<b>Total of all flight service stations (51)</b>	<b>68,180</b>	<b>43,023</b>	<b>6,668</b>	<b>18,489</b>	<b>760</b>	<b>608</b>	<b>152</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	4,303	764	2,169	374	867	76	53
Billy Bishop Toronto City	4,782	2,566	955	985	262	14	0
Boundary Bay	998	9	379	497	74	29	10
Calgary International	18,022	15,508	689	500	1,173	126	26
Calgary/Springbank	4,569	20	357	3,162	1,015	15	0
Chicoutimi/St-Honoré	975	236	38	659	40	2	0
Edmonton City Centre	4,208	1,421	391	1,464	609	321	2
Edmonton International	9,990	9,018	383	175	365	16	33
Edmonton/Villeneuve	1,241	3	275	756	207	0	0
Fort McMurray	3,052	1,622	879	241	298	12	0
Fredericton International	3,063	710	2,189	0	67	46	51
Gander International	1,326	445	555	16	111	20	179
Halifax/Robert L. Stanfield International	5,579	4,899	330	10	195	26	119
Hamilton	2,315	1,695	152	35	317	106	10
Kelowna	3,631	2,535	371	315	384	4	22
Kitchener/Waterloo	2,539	331	1,552	61	586	9	0
Langley	1,624	103	275	929	302	13	2
London	3,961	1,256	520	1,555	588	35	7
Moncton/Greater Moncton International	3,779	1,426	2,118	8	89	126	12
Montréal/Pierre Elliott Trudeau International	15,804	14,036	649	45	876	171	27
Montréal/St-Hubert	4,638	2,617	512	735	675	75	24
Oshawa	1,234	3	75	727	354	69	6
Ottawa/Macdonald-Cartier International	9,312	6,843	351	1,277	278	363	200
Pitt Meadows	2,204	8	1,172	581	379	55	9
Prince George	1,620	1,119	275	24	152	45	5
Québec/Jean Lesage International	5,683	3,754	1,227	31	357	255	59
Regina International	2,842	2,026	395	16	183	130	92
Saskatoon/John G. Diefenbaker International	4,536	2,925	723	257	258	279	94
Sault Ste. Marie	1,903	846	93	838	96	18	12
St. John's International	2,603	1,630	644	25	48	111	145
St-Jean	620	194	114	111	146	39	16
Thunder Bay	5,038	2,831	477	1,512	119	66	33
Toronto/Buttonville Municipal	3,620	370	1,854	87	1,295	14	0
Toronto/Lester B. Pearson International	30,759	29,266	512	11	941	8	21
Vancouver Harbour	3,481	3,091	256	0	15	42	77
Vancouver International	21,908	18,275	1,583	41	867	731	411
Victoria International	5,907	2,695	1,684	255	951	36	286
Whitehorse International	1,007	547	288	17	112	14	29
Windsor	966	449	330	21	156	6	4
Winnipeg/James Armstrong Richardson International	9,576	8,211	514	30	226	230	365
Winnipeg/St. Andrews	3,027	449	1,590	818	139	7	24
Yellowknife	2,828	2,344	317	13	36	84	34
<b>Total of NAV CANADA towers (42)</b>	<b>221,073</b>	<b>149,096</b>	<b>30,212</b>	<b>19,214</b>	<b>16,208</b>	<b>3,844</b>	<b>2,499</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	614	103	194	41	114	20	142
Campbell River	1,050	509	260	38	209	30	4
Castlegar	705	332	72	238	59	2	2
Charlottetown	771	563	59	46	49	47	7
Churchill	760	691	13	2	8	10	36
Cranbrook	822	528	30	59	193	0	12
Deer Lake	1,102	888	167	7	6	24	10
Fort Nelson	1,022	444	180	250	108	6	34
Fort St John	1,360	744	366	37	207	4	2
Grande Prairie	1,827	1,116	410	68	216	12	5
High Level	523	304	187	8	22	2	0
Îles-de-la-Madeleine	309	213	62	0	0	32	2
Inuvik/Mike Zubko	572	493	47	0	4	28	0
Iqaluit	1,118	943	50	7	55	47	16
Kamloops	1,409	963	162	28	201	48	7
Kenora	779	369	294	8	52	12	44
Kingston	1,355	450	307	273	259	30	36
Kuujuuaq	749	675	25	36	8	5	0
La Grande Rivière	680	473	111	59	25	12	0
La Ronge	957	885	14	0	2	56	0
Lethbridge	1,118	457	13	354	271	17	6
Lloydminster	535	143	212	6	166	6	2
Medicine Hat	746	505	77	18	128	10	8
Mont-Joli	337	289	9	8	10	21	0
Montréal/Mirabel International	1,283	693	262	80	227	2	19
Nanaimo	1,174	391	551	29	182	11	10
Norman Wells	493	411	55	0	7	20	0
North Bay	1,201	488	428	38	165	62	20
Ottawa/Gatineau	859	109	282	87	304	63	14
Peace River	440	317	82	0	34	7	0
Penticton	1,145	291	604	23	180	1	46
Port Hardy	484	371	26	4	26	33	24
Prince Albert	1,274	1,099	14	6	67	58	30
Prince Rupert	268	205	59	0	2	2	0
Rankin Inlet	846	802	0	30	8	6	0
Red Deer Regional	1,253	347	317	174	387	22	6
Rouyn-Noranda	824	594	114	12	84	20	0
Saint John	1,148	685	177	18	238	10	20
Sept-Îles	1,588	1,134	296	7	77	74	0
Sioux Lookout	2,010	1,518	432	3	31	16	10
Smithers	449	350	68	0	31	0	0
St Catharines	532	2	353	14	151	12	0
Sudbury	2,099	1,487	334	62	173	35	8
Terrace	705	565	123	0	14	0	3
Thompson	2,384	2,059	164	4	4	153	0
Timmins	1,711	1,320	200	2	108	75	6
Val-d'Or	825	666	27	6	97	25	4
Victoria Harbour	2,287	1,935	8	0	254	85	5
Wabush	757	626	75	2	34	16	4
Whitecourt	542	8	399	85	42	6	2
Williams Lake	498	357	56	9	72	2	2
<b>Total of all flight service stations (51)</b>	<b>50,299</b>	<b>31,910</b>	<b>8,827</b>	<b>2,286</b>	<b>5,371</b>	<b>1,297</b>	<b>608</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	4,303	1,783	41.4	2,520	58.5	908
Billy Bishop Toronto City	4,782	2,769	57.9	2,013	42.0	888
Boundary Bay	998	260	26.0	738	73.9	92
Calgary International	18,022	17,231	95.6	791	4.3	477
Calgary/Springbank	4,569	342	7.4	4,227	92.5	1,597
Chicoutimi/St-Honoré	975	160	16.4	815	83.5	27
Edmonton City Centre	4,208	2,049	48.6	2,159	51.3	783
Edmonton International	9,990	9,557	95.6	433	4.3	446
Edmonton/Villeneuve	1,241	10	0.8	1,231	99.1	108
Fort McMurray	3,052	2,016	66.0	1,036	33.9	160
Fredericton International	3,063	994	32.4	2,069	67.5	48
Gander International	1,326	886	66.8	440	33.1	47
Halifax/Robert L. Stanfield International	5,579	5,337	95.6	242	4.3	92
Hamilton	2,315	1,893	81.7	422	18.2	345
Kelowna	3,631	2,532	69.7	1,099	30.2	411
Kitchener/Waterloo	2,539	739	29.1	1,800	70.8	252
Langley	1,624	51	3.1	1,573	96.8	97
London	3,961	1,548	39.0	2,413	60.9	319
Moncton/Greater Moncton International	3,779	1,773	46.9	2,006	53.0	64
Montréal/Pierre Elliott Trudeau International	15,804	15,496	98.0	308	1.9	691
Montréal/St-Hubert	4,638	1,204	25.9	3,434	74.0	554
Oshawa	1,234	60	4.8	1,174	95.1	337
Ottawa/Macdonald-Cartier International	9,312	7,518	80.7	1,794	19.2	365
Pitt Meadows	2,204	38	1.7	2,166	98.2	674
Prince George	1,620	1,232	76.0	388	23.9	121
Québec/Jean Lesage International	5,683	4,308	75.8	1,375	24.1	418
Regina International	2,842	2,327	81.8	515	18.1	43
Saskatoon/John G. Diefenbaker International	4,536	3,432	75.6	1,104	24.3	83
Sault Ste. Marie	1,903	967	50.8	936	49.1	58
St. John's International	2,603	2,433	93.4	170	6.5	16
St-Jean	620	272	43.8	348	56.1	143
Thunder Bay	5,038	3,037	60.2	2,001	39.7	118
Toronto/Buttonville Municipal	3,620	520	14.3	3,100	85.6	474
Toronto/Lester B. Pearson International	30,759	30,734	99.9	25	0.0	20
Vancouver Harbour	3,481	300	8.6	3,181	91.3	1,675
Vancouver International	21,908	18,954	86.5	2,954	13.4	6,172
Victoria International	5,907	3,532	59.7	2,375	40.2	3,168
Whitehorse International	1,007	456	45.2	551	54.7	87
Windsor	966	603	62.4	363	37.5	27
Winnipeg/James Armstrong Richardson International	9,576	8,471	88.4	1,105	11.5	182
Winnipeg/St. Andrews	3,027	133	4.3	2,894	95.6	46
Yellowknife	2,828	1,894	66.9	934	33.0	163
<b>Total of NAV CANADA towers (42)</b>	<b>221,073</b>	<b>159,851</b>	<b>72.3</b>	<b>61,222</b>	<b>27.7</b>	<b>22,796</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	614	207	33.7	407	66.2	19
Campbell River	1,050	542	51.6	508	48.3	98
Castlegar	705	332	47.0	373	52.9	67
Charlottetown	771	598	77.5	173	22.4	15
Churchill	760	651	85.6	109	14.3	13
Cranbrook	822	582	70.8	240	29.1	85
Deer Lake	1,102	1,053	95.5	49	4.4	20
Fort Nelson	1,022	490	47.9	532	52.0	55
Fort St John	1,360	784	57.6	576	42.3	67
Grande Prairie	1,827	1,226	67.1	601	32.8	57
High Level	523	234	44.7	289	55.2	37
Îles-de-la-Madeleine	309	245	79.2	64	20.7	57
Inuvik/Mike Zubko	572	270	47.2	302	52.7	7
Iqaluit	1,118	1,023	91.5	95	8.4	0
Kamloops	1,409	1,098	77.9	311	22.0	122
Kenora	779	396	50.8	383	49.1	228
Kingston	1,355	557	41.1	798	58.8	134
Kuujuuaq	749	367	48.9	382	51.0	27
La Grande Rivière	680	448	65.8	232	34.1	105
La Ronge	957	523	54.6	434	45.3	152
Lethbridge	1,118	486	43.4	632	56.5	22
Lloydminster	535	193	36.0	342	63.9	32
Medicine Hat	746	432	57.9	314	42.0	108
Mont-Joli	337	316	93.7	21	6.2	12
Montréal/Mirabel International	1,283	757	59.0	526	40.9	364
Nanaimo	1,174	797	67.8	377	32.1	178
Norman Wells	493	144	29.2	349	70.7	4
North Bay	1,201	593	49.3	608	50.6	225
Ottawa/Gatineau	859	163	18.9	696	81.0	56
Peace River	440	321	72.9	119	27.0	12
Penticton	1,145	296	25.8	849	74.1	62
Port Hardy	484	207	42.7	277	57.2	113
Prince Albert	1,274	1,045	82.0	229	17.9	122
Prince Rupert	268	178	66.4	90	33.5	11
Rankin Inlet	846	763	90.1	83	9.8	10
Red Deer Regional	1,253	395	31.5	858	68.4	262
Rouyn-Noranda	824	764	92.7	60	7.2	10
Saint John	1,148	904	78.7	244	21.2	8
Sept-Îles	1,588	1,337	84.1	251	15.8	136
Sioux Lookout	2,010	1,474	73.3	536	26.6	260
Smithers	449	329	73.2	120	26.7	131
St Catharines	532	47	8.8	485	91.1	110
Sudbury	2,099	1,675	79.7	424	20.2	59
Terrace	705	541	76.7	164	23.2	141
Thompson	2,384	1,507	63.2	877	36.7	28
Timmins	1,711	1,511	88.3	200	11.6	332
Val-d'Or	825	694	84.1	131	15.8	107
Victoria Harbour	2,287	324	14.1	1,963	85.8	539
Wabush	757	696	91.9	61	8.0	35
Whitecourt	542	30	5.5	512	94.4	42
Williams Lake	498	383	76.9	115	23.0	116
<b>Total of all flight service stations (51)</b>	<b>50,299</b>	<b>30,928</b>	<b>61.5</b>	<b>19,371</b>	<b>38.5</b>	<b>5,012</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	4,303	1,044	204	2,135	920	0
Billy Bishop Toronto City	4,782	2	2,760	1,671	349	0
Boundary Bay	998	21	28	735	214	0
Calgary International	18,022	12,361	4,675	576	410	0
Calgary/Springbank	4,569	16	71	4,172	310	0
Chicoutimi/St-Honoré	975	2	49	717	207	0
Edmonton City Centre	4,208	426	1,467	1,772	543	0
Edmonton International	9,990	6,222	3,352	393	23	0
Edmonton/Villeneuve	1,241	3	7	949	282	0
Fort McMurray	3,052	1,080	1,023	524	425	0
Fredericton International	3,063	258	608	2,110	87	0
Gander International	1,326	399	414	354	159	0
Halifax/Robert L. Stanfield International	5,579	3,151	1,897	303	228	0
Hamilton	2,315	1,166	758	343	48	0
Kelowna	3,631	1,607	892	878	254	0
Kitchener/Waterloo	2,539	151	318	1,972	98	0
Langley	1,624	0	102	1,058	464	0
London	3,961	448	1,020	2,388	105	0
Moncton/Greater Moncton International	3,779	803	729	2,209	38	0
Montréal/Pierre Elliott Trudeau International	15,804	10,758	4,661	263	122	0
Montréal/St-Hubert	4,638	203	664	3,513	256	2
Oshawa	1,234	0	16	1,130	88	0
Ottawa/Macdonald-Cartier International	9,312	5,260	2,263	1,528	261	0
Pitt Meadows	2,204	2	20	2,000	182	0
Prince George	1,620	498	757	157	206	2
Québec/Jean Lesage International	5,683	1,429	2,627	1,114	513	0
Regina International	2,842	1,648	515	659	20	0
Saskatoon/John G. Diefenbaker International	4,536	1,913	1,408	1,181	34	0
Sault Ste. Marie	1,903	39	924	927	13	0
St. John's International	2,603	948	1,323	7	325	0
St-Jean	620	6	89	506	16	3
Thunder Bay	5,038	699	2,429	1,648	262	0
Toronto/Buttonville Municipal	3,620	59	334	2,827	399	1
Toronto/Lester B. Pearson International	30,759	25,745	4,968	42	4	0
Vancouver Harbour	3,481	0	1,718	1,035	728	0
Vancouver International	21,908	12,000	6,689	1,737	1,482	0
Victoria International	5,907	1,108	1,881	2,479	439	0
Whitehorse International	1,007	269	304	286	148	0
Windsor	966	76	568	310	12	0
Winnipeg/James Armstrong Richardson International	9,576	4,683	3,884	959	50	0
Winnipeg/St. Andrews	3,027	0	447	2,483	97	0
Yellowknife	2,828	758	1,568	177	325	0
<b>Total of NAV CANADA towers (42)</b>	<b>221,073</b>	<b>97,261</b>	<b>60,431</b>	<b>52,227</b>	<b>11,146</b>	<b>8</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	614	16	201	371	26	0
Campbell River	1,050	15	550	281	204	0
Castlegar	705	6	337	291	71	0
Charlottetown	771	224	290	207	50	0
Churchill	760	18	717	13	12	0
Cranbrook	822	68	485	257	12	0
Deer Lake	1,102	167	876	20	39	0
Fort Nelson	1,022	62	412	121	427	0
Fort St John	1,360	216	587	343	214	0
Grande Prairie	1,827	182	944	455	246	0
High Level	523	10	318	91	104	0
Îles-de-la-Madeleine	309	6	226	73	4	0
Inuvik/Mike Zubko	572	87	431	9	45	0
Iqaluit	1,118	330	761	15	12	0
Kamloops	1,409	176	881	214	138	0
Kenora	779	10	452	162	155	0
Kingston	1,355	21	539	737	58	0
Kuujuuaq	749	105	595	41	8	0
La Grande Rivière	680	22	522	126	10	0
La Ronge	957	0	727	216	14	0
Lethbridge	1,118	48	458	584	28	0
Lloydminster	535	2	154	352	27	0
Medicine Hat	746	10	415	277	44	0
Mont-Joli	337	18	283	26	10	0
Montréal/Mirabel International	1,283	458	299	357	169	0
Nanaimo	1,174	16	402	723	33	0
Norman Wells	493	106	197	137	53	0
North Bay	1,201	35	577	136	453	0
Ottawa/Gatineau	859	5	155	548	151	0
Peace River	440	10	284	94	52	0
Penticton	1,145	23	294	443	385	0
Port Hardy	484	6	335	104	39	0
Prince Albert	1,274	22	1,016	191	45	0
Prince Rupert	268	10	195	2	61	0
Rankin Inlet	846	124	692	30	0	0
Red Deer Regional	1,253	38	416	769	30	0
Rouyn-Noranda	824	76	708	40	0	0
Saint John	1,148	293	524	291	40	0
Sept-Îles	1,588	74	1,193	210	111	0
Sioux Lookout	2,010	0	1,761	233	16	0
Smithers	449	8	356	30	55	0
St Catharines	532	6	12	426	88	0
Sudbury	2,099	34	1,606	249	210	0
Terrace	705	22	552	8	123	0
Thompson	2,384	26	2,007	206	145	0
Timmins	1,711	28	1,526	100	57	0
Val-d'Or	825	101	595	83	46	0
Victoria Harbour	2,287	0	1,464	293	530	0
Wabush	757	12	661	39	45	0
Whitecourt	542	2	24	64	452	0
Williams Lake	498	14	365	71	48	0
<b>Total of all flight service stations (51)</b>	<b>50,299</b>	<b>3,368</b>	<b>30,377</b>	<b>11,159</b>	<b>5,395</b>	<b>0</b>

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	2,503	497	201	145	294	181	462	15	3	2
Billy Bishop Toronto City	1,689	107	612	36	4	2,334	0	0	0	0
Boundary Bay	725	209	37	11	11	5	0	0	0	0
Calgary International	634	451	1,214	1,845	1,350	3,828	6,903	853	203	741
Calgary/Springbank	4,158	318	80	10	3	0	0	0	0	0
Chicoutimi/St-Honoré	752	175	46	0	2	0	0	0	0	0
Edmonton City Centre	1,974	373	1,180	535	118	20	6	2	0	0
Edmonton International	269	278	614	1,003	467	2,188	4,497	315	157	202
Edmonton/Villeneuve	1,143	86	12	0	0	0	0	0	0	0
Fort McMurray	747	340	305	509	87	591	471	2	0	0
Fredericton International	2,044	121	250	33	356	239	12	6	0	2
Gander International	376	2	29	360	185	170	38	65	21	80
Halifax/Robert L. Stanfield International	78	219	266	813	789	1,201	1,721	182	182	128
Hamilton	326	399	204	329	114	18	367	6	465	87
Kelowna	977	145	215	555	60	673	984	7	13	2
Kitchener/Waterloo	1,855	229	302	44	24	21	64	0	0	0
Langley	1,485	120	16	0	3	0	0	0	0	0
London	2,412	154	304	54	455	406	152	20	4	0
Moncton/Greater Moncton International	2,118	154	213	344	67	287	342	0	252	2
Montréal/Pierre Elliott Trudeau International	210	137	498	715	2,458	4,675	4,423	1,574	0	1,114
Montréal/St-Hubert	3,144	599	552	200	128	10	5	0	0	0
Oshawa	1,123	90	21	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	1,585	82	876	214	577	2,415	2,676	556	46	285
Pitt Meadows	2,065	101	32	2	4	0	0	0	0	0
Prince George	299	69	152	567	13	348	170	0	0	2
Québec/Jean Lesage International	1,229	355	759	339	900	1,264	702	12	2	121
Regina International	470	219	252	269	34	751	709	2	118	18
Saskatoon/John G. Diefenbaker International	927	310	605	566	194	1,140	666	0	112	16
Sault Ste. Marie	921	91	497	54	193	132	10	5	0	0
St. John's International	7	13	205	529	679	275	693	113	81	8
St-Jean	361	164	93	0	0	0	0	0	2	0
Thunder Bay	1,676	161	2,002	299	20	436	439	5	0	0
Toronto/Buttonville Municipal	2,955	346	205	73	34	7	0	0	0	0
Toronto/Lester B. Pearson International	7	118	296	2,070	2,990	6,369	11,933	3,558	571	2,847
Vancouver Harbour	115	2,356	779	28	202	1	0	0	0	0
Vancouver International	1,000	2,215	971	2,285	1,616	4,648	5,120	1,417	527	2,109
Victoria International	1,838	1,022	180	339	882	1,031	559	22	32	2
Whitehorse International	389	97	101	65	4	235	114	2	0	0
Windsor	282	207	68	56	317	26	8	2	0	0
Winnipeg/James Armstrong Richardson International	654	369	2,789	338	772	1,505	2,186	186	712	65
Winnipeg/St. Andrews	2,291	535	189	4	4	0	0	4	0	0
Yellowknife	277	351	623	196	137	652	572	20	0	0
<b>Total of NAV CANADA towers (42)</b>	<b>50,090</b>	<b>14,384</b>	<b>18,845</b>	<b>15,834</b>	<b>16,547</b>	<b>38,082</b>	<b>47,004</b>	<b>8,951</b>	<b>3,503</b>	<b>7,833</b>



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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	363	24	163	12	16	0	0	36	0	0
Campbell River	386	44	70	437	113	0	0	0	0	0
Castlegar	345	17	15	142	57	129	0	0	0	0
Charlottetown	108	152	22	162	69	218	40	0	0	0
Churchill	6	13	180	110	162	273	14	2	0	0
Cranbrook	218	53	45	302	68	122	4	10	0	0
Deer Lake	27	20	34	292	566	99	60	0	4	0
Fort Nelson	476	42	120	211	142	14	17	0	0	0
Fort St John	509	55	192	294	120	188	2	0	0	0
Grande Prairie	532	173	342	246	148	229	157	0	0	0
High Level	153	92	150	128	0	0	0	0	0	0
Îles-de-la-Madeleine	0	94	50	18	134	11	2	0	0	0
Inuvik/Mike Zubko	39	22	386	0	0	38	87	0	0	0
Iqaluit	10	9	272	40	195	335	195	8	0	54
Kamloops	265	76	78	334	113	427	116	0	0	0
Kenora	149	51	553	6	12	0	0	8	0	0
Kingston	740	23	131	378	54	25	0	4	0	0
Kuujuuaq	8	41	466	0	101	33	81	0	0	19
La Grande Rivière	35	101	142	12	71	303	16	0	0	0
La Ronge	77	147	418	94	165	56	0	0	0	0
Lethbridge	523	87	120	302	78	4	4	0	0	0
Lloydminster	328	49	71	77	10	0	0	0	0	0
Medicine Hat	273	60	160	239	10	4	0	0	0	0
Mont-Joli	11	25	85	96	101	19	0	0	0	0
Montréal/Mirabel International	422	194	31	92	22	113	23	0	266	120
Nanaimo	213	535	65	30	54	277	0	0	0	0
Norman Wells	123	109	129	6	0	20	106	0	0	0
North Bay	551	120	280	52	160	35	1	2	0	0
Ottawa/Gatineau	669	26	96	54	4	0	0	10	0	0
Peace River	68	84	238	38	12	0	0	0	0	0
Penticton	783	45	34	111	10	162	0	0	0	0
Port Hardy	34	94	157	74	107	16	2	0	0	0
Prince Albert	93	135	191	338	226	291	0	0	0	0
Prince Rupert	2	59	21	32	50	104	0	0	0	0
Rankin Inlet	30	0	273	154	169	96	124	0	0	0
Red Deer Regional	732	87	152	229	42	11	0	0	0	0
Rouyn-Noranda	40	2	374	4	181	173	50	0	0	0
Saint John	208	114	148	245	159	264	8	2	0	0
Sept-Îles	139	183	416	320	373	141	16	0	0	0
Stouffville	65	206	1,189	542	0	2	0	6	0	0
Smithers	77	14	48	152	58	100	0	0	0	0
St Catharines	448	54	20	10	0	0	0	0	0	0
Sudbury	321	171	1,154	93	111	231	16	2	0	0
Terrace	104	20	99	161	156	163	2	0	0	0
Thompson	144	395	1,277	28	180	349	0	11	0	0
Timmins	91	170	852	64	355	177	0	2	0	0
Val-d'Or	116	11	230	6	284	111	29	0	0	38
Victoria Harbour	22	1,460	683	0	122	0	0	0	0	0
Wabush	37	45	176	202	293	2	0	2	0	0
Whitecourt	471	12	49	6	2	2	0	0	0	0
Williams Lake	98	17	31	340	10	2	0	0	0	0
<b>Total of all flight service stations (51)</b>	<b>11,682</b>	<b>5,832</b>	<b>12,678</b>	<b>7,315</b>	<b>5,645</b>	<b>5,369</b>	<b>1,172</b>	<b>105</b>	<b>270</b>	<b>231</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	3,904	628	2,156	358	643	76	43
Transborder	328	94	9	11	214	0	0
Other international	71	42	4	5	10	0	10
<b>Total</b>	<b>4,303</b>	<b>764</b>	<b>2,169</b>	<b>374</b>	<b>867</b>	<b>76</b>	<b>53</b>
<b>Billy Bishop Toronto City</b>							
Domestic	3,911	1,783	937	983	195	13	0
Transborder	865	783	15	0	66	1	0
Other international	6	0	3	2	1	0	0
<b>Total</b>	<b>4,782</b>	<b>2,566</b>	<b>955</b>	<b>985</b>	<b>262</b>	<b>14</b>	<b>0</b>
<b>Boundary Bay</b>							
Domestic	970	3	378	496	56	27	10
Transborder	26	6	1	1	18	0	0
Other international	2	0	0	0	0	2	0
<b>Total</b>	<b>998</b>	<b>9</b>	<b>379</b>	<b>497</b>	<b>74</b>	<b>29</b>	<b>10</b>
<b>Calgary International</b>							
Domestic	14,151	12,033	623	490	855	126	24
Transborder	3,193	2,819	62	5	306	0	1
Other international	678	656	4	5	12	0	1
<b>Total</b>	<b>18,022</b>	<b>15,508</b>	<b>689</b>	<b>500</b>	<b>1,173</b>	<b>126</b>	<b>26</b>
<b>Calgary/Springbank</b>							
Domestic	4,524	19	353	3,150	987	15	0
Transborder	19	0	0	3	16	0	0
Other international	26	1	4	9	12	0	0
<b>Total</b>	<b>4,569</b>	<b>20</b>	<b>357</b>	<b>3,162</b>	<b>1,015</b>	<b>15</b>	<b>0</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	973	236	38	659	38	2	0
Transborder	0	0	0	0	0	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>975</b>	<b>236</b>	<b>38</b>	<b>659</b>	<b>40</b>	<b>2</b>	<b>0</b>
<b>Edmonton City Centre</b>							
Domestic	4,147	1,405	386	1,460	573	321	2
Transborder	35	15	0	0	20	0	0
Other international	26	1	5	4	16	0	0
<b>Total</b>	<b>4,208</b>	<b>1,421</b>	<b>391</b>	<b>1,464</b>	<b>609</b>	<b>321</b>	<b>2</b>
<b>Edmonton International</b>							
Domestic	8,364	7,476	372	172	299	16	29
Transborder	1,354	1,293	2	1	56	0	2
Other international	272	249	9	2	10	0	2
<b>Total</b>	<b>9,990</b>	<b>9,018</b>	<b>383</b>	<b>175</b>	<b>365</b>	<b>16</b>	<b>33</b>
<b>Edmonton/Villeneuve</b>							
Domestic	1,232	3	273	752	204	0	0
Transborder	0	0	0	0	0	0	0
Other international	9	0	2	4	3	0	0
<b>Total</b>	<b>1,241</b>	<b>3</b>	<b>275</b>	<b>756</b>	<b>207</b>	<b>0</b>	<b>0</b>
<b>Fort McMurray</b>							
Domestic	2,867	1,607	723	239	286	12	0
Transborder	5	1	0	0	4	0	0
Other international	180	14	156	2	8	0	0
<b>Total</b>	<b>3,052</b>	<b>1,622</b>	<b>879</b>	<b>241</b>	<b>298</b>	<b>12</b>	<b>0</b>
<b>Fredericton International</b>							
Domestic	3,036	699	2,187	0	55	44	51
Transborder	23	9	1	0	11	2	0
Other international	4	2	1	0	1	0	0
<b>Total</b>	<b>3,063</b>	<b>710</b>	<b>2,189</b>	<b>0</b>	<b>67</b>	<b>46</b>	<b>51</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>Gander International</b>							
Domestic	1,016	328	555	2	27	18	86
Transborder	118	27	0	3	41	1	46
Other international	192	90	0	11	43	1	47
<b>Total</b>	<b>1,326</b>	<b>445</b>	<b>555</b>	<b>16</b>	<b>111</b>	<b>20</b>	<b>179</b>
<b>Halifax/Robert L Stanfield International</b>							
Domestic	4,610	4,071	322	7	117	26	67
Transborder	645	561	2	2	55	0	25
Other international	324	267	6	1	23	0	27
<b>Total</b>	<b>5,579</b>	<b>4,899</b>	<b>330</b>	<b>10</b>	<b>195</b>	<b>26</b>	<b>119</b>
<b>Hamilton</b>							
Domestic	1,758	1,259	127	33	225	104	10
Transborder	502	395	20	0	85	2	0
Other international	55	41	5	2	7	0	0
<b>Total</b>	<b>2,315</b>	<b>1,695</b>	<b>152</b>	<b>35</b>	<b>317</b>	<b>106</b>	<b>10</b>
<b>Kelowna</b>							
Domestic	3,306	2,284	364	315	317	4	22
Transborder	275	202	7	0	66	0	0
Other international	50	49	0	0	1	0	0
<b>Total</b>	<b>3,631</b>	<b>2,535</b>	<b>371</b>	<b>315</b>	<b>384</b>	<b>4</b>	<b>22</b>
<b>Kitchener/Waterloo</b>							
Domestic	2,383	289	1,541	61	483	9	0
Transborder	141	34	10	0	97	0	0
Other international	15	8	1	0	6	0	0
<b>Total</b>	<b>2,539</b>	<b>331</b>	<b>1,552</b>	<b>61</b>	<b>586</b>	<b>9</b>	<b>0</b>
<b>Langley</b>							
Domestic	1,621	103	275	928	301	12	2
Transborder	1	0	0	0	1	0	0
Other international	2	0	0	1	0	1	0
<b>Total</b>	<b>1,624</b>	<b>103</b>	<b>275</b>	<b>929</b>	<b>302</b>	<b>13</b>	<b>2</b>
<b>London</b>							
Domestic	3,576	935	516	1,551	533	35	6
Transborder	351	293	1	1	55	0	1
Other international	34	28	3	3	0	0	0
<b>Total</b>	<b>3,961</b>	<b>1,256</b>	<b>520</b>	<b>1,555</b>	<b>588</b>	<b>35</b>	<b>7</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	3,706	1,362	2,118	8	80	126	12
Transborder	59	50	0	0	9	0	0
Other international	14	14	0	0	0	0	0
<b>Total</b>	<b>3,779</b>	<b>1,426</b>	<b>2,118</b>	<b>8</b>	<b>89</b>	<b>126</b>	<b>12</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	8,314	7,168	467	22	471	170	16
Transborder	5,308	4,766	155	6	380	1	0
Other international	2,182	2,102	27	17	25	0	11
<b>Total</b>	<b>15,804</b>	<b>14,036</b>	<b>649</b>	<b>45</b>	<b>876</b>	<b>171</b>	<b>27</b>
<b>Montréal/St-Hubert</b>							
Domestic	4,501	2,602	509	731	560	75	24
Transborder	118	14	1	0	103	0	0
Other international	19	1	2	4	12	0	0
<b>Total</b>	<b>4,638</b>	<b>2,617</b>	<b>512</b>	<b>735</b>	<b>675</b>	<b>75</b>	<b>24</b>
<b>Oshawa</b>							
Domestic	1,217	3	75	725	339	69	6
Transborder	9	0	0	2	7	0	0
Other international	8	0	0	0	8	0	0
<b>Total</b>	<b>1,234</b>	<b>3</b>	<b>75</b>	<b>727</b>	<b>354</b>	<b>69</b>	<b>6</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>Ottawa/Macdonald-Cartier International</b>							
Domestic	7,123	4,820	323	1,272	186	359	163
Transborder	1,703	1,564	23	4	89	2	21
Other international	486	459	5	1	3	2	16
<b>Total</b>	<b>9,312</b>	<b>6,843</b>	<b>351</b>	<b>1,277</b>	<b>278</b>	<b>363</b>	<b>200</b>
<b>Pitt Meadows</b>							
Domestic	2,189	7	1,170	581	369	53	9
Transborder	12	0	2	0	10	0	0
Other international	3	1	0	0	0	2	0
<b>Total</b>	<b>2,204</b>	<b>8</b>	<b>1,172</b>	<b>581</b>	<b>379</b>	<b>55</b>	<b>9</b>
<b>Prince George</b>							
Domestic	1,599	1,104	275	24	147	45	4
Transborder	9	5	0	0	3	0	1
Other international	12	10	0	0	2	0	0
<b>Total</b>	<b>1,620</b>	<b>1,119</b>	<b>275</b>	<b>24</b>	<b>152</b>	<b>45</b>	<b>5</b>
<b>Québec/Jean Lesage International</b>							
Domestic	4,971	3,096	1,217	29	319	255	55
Transborder	386	336	9	1	38	0	2
Other international	326	322	1	1	0	0	2
<b>Total</b>	<b>5,683</b>	<b>3,754</b>	<b>1,227</b>	<b>31</b>	<b>357</b>	<b>255</b>	<b>59</b>
<b>Regina International</b>							
Domestic	2,389	1,622	387	16	144	128	92
Transborder	294	248	8	0	36	2	0
Other international	159	156	0	0	3	0	0
<b>Total</b>	<b>2,842</b>	<b>2,026</b>	<b>395</b>	<b>16</b>	<b>183</b>	<b>130</b>	<b>92</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	4,077	2,512	713	255	225	278	94
Transborder	343	298	10	2	32	1	0
Other international	116	115	0	0	1	0	0
<b>Total</b>	<b>4,536</b>	<b>2,925</b>	<b>723</b>	<b>257</b>	<b>258</b>	<b>279</b>	<b>94</b>
<b>Sault Ste. Marie</b>							
Domestic	1,881	836	93	838	84	18	12
Transborder	13	1	0	0	12	0	0
Other international	9	9	0	0	0	0	0
<b>Total</b>	<b>1,903</b>	<b>846</b>	<b>93</b>	<b>838</b>	<b>96</b>	<b>18</b>	<b>12</b>
<b>St. John's International</b>							
Domestic	2,327	1,523	641	4	19	107	33
Transborder	123	53	1	6	12	0	51
Other international	153	54	2	15	17	4	61
<b>Total</b>	<b>2,603</b>	<b>1,630</b>	<b>644</b>	<b>25</b>	<b>48</b>	<b>111</b>	<b>145</b>
<b>St-Jean</b>							
Domestic	618	194	113	111	146	39	15
Transborder	2	0	1	0	0	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>620</b>	<b>194</b>	<b>114</b>	<b>111</b>	<b>146</b>	<b>39</b>	<b>16</b>
<b>Thunder Bay</b>							
Domestic	4,941	2,758	475	1,512	98	65	33
Transborder	87	64	1	0	21	1	0
Other international	10	9	1	0	0	0	0
<b>Total</b>	<b>5,038</b>	<b>2,831</b>	<b>477</b>	<b>1,512</b>	<b>119</b>	<b>66</b>	<b>33</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	3,463	336	1,830	78	1,205	14	0
Transborder	155	33	24	9	89	0	0
Other international	2	1	0	0	1	0	0
<b>Total</b>	<b>3,620</b>	<b>370</b>	<b>1,854</b>	<b>87</b>	<b>1,295</b>	<b>14</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	12,791	12,219	248	3	298	7	16
Transborder	13,300	12,469	209	8	610	1	3
Other international	4,668	4,578	55	0	33	0	2
<b>Total</b>	<b>30,759</b>	<b>29,266</b>	<b>512</b>	<b>11</b>	<b>941</b>	<b>8</b>	<b>21</b>
<b>Vancouver Harbour</b>							
Domestic	3,416	3,074	240	0	12	42	48
Transborder	2	2	0	0	0	0	0
Other international	63	15	16	0	3	0	29
<b>Total</b>	<b>3,481</b>	<b>3,091</b>	<b>256</b>	<b>0</b>	<b>15</b>	<b>42</b>	<b>77</b>
<b>Vancouver International</b>							
Domestic	15,542	12,975	1,482	34	407	366	278
Transborder	4,375	3,943	9	4	397	3	19
Other international	1,991	1,357	92	3	63	362	114
<b>Total</b>	<b>21,908</b>	<b>18,275</b>	<b>1,583</b>	<b>41</b>	<b>867</b>	<b>731</b>	<b>411</b>
<b>Victoria International</b>							
Domestic	5,205	2,215	1,672	251	796	36	235
Transborder	610	446	10	2	147	0	5
Other international	92	34	2	2	8	0	46
<b>Total</b>	<b>5,907</b>	<b>2,695</b>	<b>1,684</b>	<b>255</b>	<b>951</b>	<b>36</b>	<b>286</b>
<b>Whitehorse International</b>							
Domestic	980	543	287	17	98	14	21
Transborder	27	4	1	0	14	0	8
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,007</b>	<b>547</b>	<b>288</b>	<b>17</b>	<b>112</b>	<b>14</b>	<b>29</b>
<b>Windsor</b>							
Domestic	912	426	317	21	141	6	1
Transborder	44	16	13	0	12	0	3
Other international	10	7	0	0	3	0	0
<b>Total</b>	<b>966</b>	<b>449</b>	<b>330</b>	<b>21</b>	<b>156</b>	<b>6</b>	<b>4</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	8,265	7,014	488	13	161	228	361
Transborder	1,064	952	25	16	65	2	4
Other international	247	245	1	1	0	0	0
<b>Total</b>	<b>9,576</b>	<b>8,211</b>	<b>514</b>	<b>30</b>	<b>226</b>	<b>230</b>	<b>365</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,023	448	1,589	816	139	7	24
Transborder	1	1	0	0	0	0	0
Other international	3	0	1	2	0	0	0
<b>Total</b>	<b>3,027</b>	<b>449</b>	<b>1,590</b>	<b>818</b>	<b>139</b>	<b>7</b>	<b>24</b>
<b>Yellowknife</b>							
Domestic	2,747	2,288	302	13	31	84	29
Transborder	2	0	0	0	1	0	1
Other international	79	56	15	0	4	0	4
<b>Total</b>	<b>2,828</b>	<b>2,344</b>	<b>317</b>	<b>13</b>	<b>36</b>	<b>84</b>	<b>34</b>
<b>Total of NAV CANADA towers (42)</b>							
Domestic	172,546	106,306	29,157	19,030	12,669	3,451	1,933
Transborder	35,927	31,797	632	87	3,198	19	194
Other international	12,600	10,993	423	97	341	374	372
<b>Total</b>	<b>221,073</b>	<b>149,096</b>	<b>30,212</b>	<b>19,214</b>	<b>16,208</b>	<b>3,844</b>	<b>2,499</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	607	103	193	41	108	20	142
Transborder	7	0	1	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>614</b>	<b>103</b>	<b>194</b>	<b>41</b>	<b>114</b>	<b>20</b>	<b>142</b>
<b>Campbell River</b>							
Domestic	1,029	509	259	38	189	30	4
Transborder	21	0	1	0	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,050</b>	<b>509</b>	<b>260</b>	<b>38</b>	<b>209</b>	<b>30</b>	<b>4</b>
<b>Castlegar</b>							
Domestic	697	332	72	238	51	2	2
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>705</b>	<b>332</b>	<b>72</b>	<b>238</b>	<b>59</b>	<b>2</b>	<b>2</b>
<b>Charlottetown</b>							
Domestic	766	560	59	46	47	47	7
Transborder	4	3	0	0	1	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>771</b>	<b>563</b>	<b>59</b>	<b>46</b>	<b>49</b>	<b>47</b>	<b>7</b>
<b>Churchill</b>							
Domestic	760	691	13	2	8	10	36
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>760</b>	<b>691</b>	<b>13</b>	<b>2</b>	<b>8</b>	<b>10</b>	<b>36</b>
<b>Cranbrook</b>							
Domestic	765	501	30	58	164	0	12
Transborder	55	27	0	1	27	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>822</b>	<b>528</b>	<b>30</b>	<b>59</b>	<b>193</b>	<b>0</b>	<b>12</b>
<b>Deer Lake</b>							
Domestic	1,097	885	167	6	5	24	10
Transborder	1	0	0	0	1	0	0
Other international	4	3	0	1	0	0	0
<b>Total</b>	<b>1,102</b>	<b>888</b>	<b>167</b>	<b>7</b>	<b>6</b>	<b>24</b>	<b>10</b>
<b>Fort Nelson</b>							
Domestic	1,022	444	180	250	108	6	34
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,022</b>	<b>444</b>	<b>180</b>	<b>250</b>	<b>108</b>	<b>6</b>	<b>34</b>
<b>Fort St John</b>							
Domestic	1,359	744	366	37	206	4	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,360</b>	<b>744</b>	<b>366</b>	<b>37</b>	<b>207</b>	<b>4</b>	<b>2</b>
<b>Grande Prairie</b>							
Domestic	1,824	1,114	410	68	215	12	5
Transborder	3	2	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,827</b>	<b>1,116</b>	<b>410</b>	<b>68</b>	<b>216</b>	<b>12</b>	<b>5</b>
<b>High Level</b>							
Domestic	523	304	187	8	22	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>523</b>	<b>304</b>	<b>187</b>	<b>8</b>	<b>22</b>	<b>2</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	309	213	62	0	0	32	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>309</b>	<b>213</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>2</b>	
<b>Inuvik/Mike Zubko</b>								
Domestic	571	493	46	0	4	28	0	
Transborder	1	0	1	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>572</b>	<b>493</b>	<b>47</b>	<b>0</b>	<b>4</b>	<b>28</b>	<b>0</b>	
<b>Iqaluit</b>								
Domestic	1,035	910	43	5	24	47	6	
Transborder	29	6	6	0	12	0	5	
Other international	54	27	1	2	19	0	5	
<b>Total</b>	<b>1,118</b>	<b>943</b>	<b>50</b>	<b>7</b>	<b>55</b>	<b>47</b>	<b>16</b>	
<b>Kamloops</b>								
Domestic	1,370	959	160	28	168	48	7	
Transborder	37	2	2	0	33	0	0	
Other international	2	2	0	0	0	0	0	
<b>Total</b>	<b>1,409</b>	<b>963</b>	<b>162</b>	<b>28</b>	<b>201</b>	<b>48</b>	<b>7</b>	
<b>Kenora</b>								
Domestic	777	367	294	8	52	12	44	
Transborder	2	2	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>779</b>	<b>369</b>	<b>294</b>	<b>8</b>	<b>52</b>	<b>12</b>	<b>44</b>	
<b>Kingston</b>								
Domestic	1,337	447	303	273	248	30	36	
Transborder	18	3	4	0	11	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,355</b>	<b>450</b>	<b>307</b>	<b>273</b>	<b>259</b>	<b>30</b>	<b>36</b>	
<b>Kuujuuaq</b>								
Domestic	749	675	25	36	8	5	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>749</b>	<b>675</b>	<b>25</b>	<b>36</b>	<b>8</b>	<b>5</b>	<b>0</b>	
<b>La Grande Rivière</b>								
Domestic	680	473	111	59	25	12	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>680</b>	<b>473</b>	<b>111</b>	<b>59</b>	<b>25</b>	<b>12</b>	<b>0</b>	
<b>La Ronge</b>								
Domestic	957	885	14	0	2	56	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>957</b>	<b>885</b>	<b>14</b>	<b>0</b>	<b>2</b>	<b>56</b>	<b>0</b>	
<b>Lethbridge</b>								
Domestic	1,048	452	11	351	211	17	6	
Transborder	70	5	2	3	60	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,118</b>	<b>457</b>	<b>13</b>	<b>354</b>	<b>271</b>	<b>17</b>	<b>6</b>	
<b>Lloydminster</b>								
Domestic	535	143	212	6	166	6	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>535</b>	<b>143</b>	<b>212</b>	<b>6</b>	<b>166</b>	<b>6</b>	<b>2</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	745	505	77	18	127	10	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>746</b>	<b>505</b>	<b>77</b>	<b>18</b>	<b>128</b>	<b>10</b>	<b>8</b>
<b>Mont-Joli</b>							
Domestic	337	289	9	8	10	21	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>337</b>	<b>289</b>	<b>9</b>	<b>8</b>	<b>10</b>	<b>21</b>	<b>0</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,125	547	262	80	216	2	18
Transborder	156	144	0	0	11	0	1
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>1,283</b>	<b>693</b>	<b>262</b>	<b>80</b>	<b>227</b>	<b>2</b>	<b>19</b>
<b>Nanaimo</b>							
Domestic	1,149	387	546	29	166	11	10
Transborder	25	4	5	0	16	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,174</b>	<b>391</b>	<b>551</b>	<b>29</b>	<b>182</b>	<b>11</b>	<b>10</b>
<b>Norman Wells</b>							
Domestic	493	411	55	0	7	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>493</b>	<b>411</b>	<b>55</b>	<b>0</b>	<b>7</b>	<b>20</b>	<b>0</b>
<b>North Bay</b>							
Domestic	1,193	488	427	37	159	62	20
Transborder	8	0	1	1	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,201</b>	<b>488</b>	<b>428</b>	<b>38</b>	<b>165</b>	<b>62</b>	<b>20</b>
<b>Ottawa/Gatineau</b>							
Domestic	858	109	282	87	303	63	14
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>859</b>	<b>109</b>	<b>282</b>	<b>87</b>	<b>304</b>	<b>63</b>	<b>14</b>
<b>Peace River</b>							
Domestic	440	317	82	0	34	7	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>440</b>	<b>317</b>	<b>82</b>	<b>0</b>	<b>34</b>	<b>7</b>	<b>0</b>
<b>Penticton</b>							
Domestic	1,132	287	604	21	173	1	46
Transborder	13	4	0	2	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,145</b>	<b>291</b>	<b>604</b>	<b>23</b>	<b>180</b>	<b>1</b>	<b>46</b>
<b>Port Hardy</b>							
Domestic	483	371	26	4	25	33	24
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>484</b>	<b>371</b>	<b>26</b>	<b>4</b>	<b>26</b>	<b>33</b>	<b>24</b>
<b>Prince Albert</b>							
Domestic	1,274	1,099	14	6	67	58	30
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,274</b>	<b>1,099</b>	<b>14</b>	<b>6</b>	<b>67</b>	<b>58</b>	<b>30</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	268	205	59	0	2	2	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>268</b>	<b>205</b>	<b>59</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	
<b>Rankin Inlet</b>								
Domestic	846	802	0	30	8	6	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>846</b>	<b>802</b>	<b>0</b>	<b>30</b>	<b>8</b>	<b>6</b>	<b>0</b>	
<b>Red Deer Regional</b>								
Domestic	1,244	345	317	174	380	22	6	
Transborder	9	2	0	0	7	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,253</b>	<b>347</b>	<b>317</b>	<b>174</b>	<b>387</b>	<b>22</b>	<b>6</b>	
<b>Rouyn-Noranda</b>								
Domestic	824	594	114	12	84	20	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>824</b>	<b>594</b>	<b>114</b>	<b>12</b>	<b>84</b>	<b>20</b>	<b>0</b>	
<b>Saint John</b>								
Domestic	1,065	683	175	16	163	10	18	
Transborder	75	1	1	1	71	0	1	
Other international	8	1	1	1	4	0	1	
<b>Total</b>	<b>1,148</b>	<b>685</b>	<b>177</b>	<b>18</b>	<b>238</b>	<b>10</b>	<b>20</b>	
<b>Sept-Îles</b>								
Domestic	1,580	1,134	295	6	71	74	0	
Transborder	7	0	0	1	6	0	0	
Other international	1	0	1	0	0	0	0	
<b>Total</b>	<b>1,588</b>	<b>1,134</b>	<b>296</b>	<b>7</b>	<b>77</b>	<b>74</b>	<b>0</b>	
<b>Sioux Lookout</b>								
Domestic	2,010	1,518	432	3	31	16	10	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>2,010</b>	<b>1,518</b>	<b>432</b>	<b>3</b>	<b>31</b>	<b>16</b>	<b>10</b>	
<b>Smithers</b>								
Domestic	449	350	68	0	31	0	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>449</b>	<b>350</b>	<b>68</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>0</b>	
<b>St Catharines</b>								
Domestic	523	2	350	14	145	12	0	
Transborder	9	0	3	0	6	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>532</b>	<b>2</b>	<b>353</b>	<b>14</b>	<b>151</b>	<b>12</b>	<b>0</b>	
<b>Sudbury</b>								
Domestic	2,095	1,487	331	62	172	35	8	
Transborder	4	0	3	0	1	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>2,099</b>	<b>1,487</b>	<b>334</b>	<b>62</b>	<b>173</b>	<b>35</b>	<b>8</b>	
<b>Terrace</b>								
Domestic	703	564	123	0	13	0	3	
Transborder	2	1	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>705</b>	<b>565</b>	<b>123</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>3</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	2,384	2,059	164	4	4	153	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,384</b>	<b>2,059</b>	<b>164</b>	<b>4</b>	<b>4</b>	<b>153</b>	<b>0</b>
<b>Timmins</b>							
Domestic	1,708	1,320	199	2	106	75	6
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,711</b>	<b>1,320</b>	<b>200</b>	<b>2</b>	<b>108</b>	<b>75</b>	<b>6</b>
<b>Val-d'Or</b>							
Domestic	824	665	27	6	97	25	4
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>825</b>	<b>666</b>	<b>27</b>	<b>6</b>	<b>97</b>	<b>25</b>	<b>4</b>
<b>Victoria Harbour</b>							
Domestic	2,071	1,935	8	0	38	85	5
Transborder	216	0	0	0	216	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,287</b>	<b>1,935</b>	<b>8</b>	<b>0</b>	<b>254</b>	<b>85</b>	<b>5</b>
<b>Wabush</b>							
Domestic	757	626	75	2	34	16	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>757</b>	<b>626</b>	<b>75</b>	<b>2</b>	<b>34</b>	<b>16</b>	<b>4</b>
<b>Whitecourt</b>							
Domestic	542	8	399	85	42	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>542</b>	<b>8</b>	<b>399</b>	<b>85</b>	<b>42</b>	<b>6</b>	<b>2</b>
<b>Williams Lake</b>							
Domestic	496	357	56	9	70	2	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>498</b>	<b>357</b>	<b>56</b>	<b>9</b>	<b>72</b>	<b>2</b>	<b>2</b>
<b>Total of all flight service stations (51)</b>							
Domestic	49,435	31,668	8,793	2,273	4,809	1,297	595
Transborder	790	207	31	9	536	0	7
Other international	74	35	3	4	26	0	6
<b>Total</b>	<b>50,299</b>	<b>31,910</b>	<b>8,827</b>	<b>2,286</b>	<b>5,371</b>	<b>1,297</b>	<b>608</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	11	9,356	8	11	108	4	578
Billy Bishop Toronto City	13	8,144	15	14	74	11	504
Boundary Bay	39	1,843	10	15	51	15	186
Calgary International	3	18,127	11	12	61	11	815
Calgary/Springbank	5	11,802	24	10	117	10	707
Chicoutimi/St-Honoré	35	2,610	11	11	84	11	415
Edmonton City Centre	25	5,208	16	14	57	16	348
Edmonton International	9	10,190	1	12	47	18	478
Edmonton/Villeneuve	26	4,896	10	13	96	25	469
Fort McMurray	32	3,455	18	12	28	23	179
Fredericton International	21	5,800	10	9	62	10	567
Gander International	37	2,437	15	15	52	4	299
Halifax/Robert L. Stanfield International	22	5,781	2	17	37	3	291
Hamilton	34	2,765	11	12	52	4	250
Kelowna	23	5,564	6	15	58	15	347
Kitchener/Waterloo	24	5,499	4	14	93	6	640
Langley	28	3,873	28	12	72	10	289
London	15	8,028	4	15	82	15	558
Moncton/Greater Moncton International	20	6,202	1	8	64	10	597
Montréal/Pierre Elliott Trudeau International	4	15,804	3	18	54	12	645
Montréal/St-Hubert	7	10,590	16	11	130	16	1,081
Oshawa	36	2,609	4	18	72	4	351
Ottawa/Macdonald-Cartier International	6	10,920	2	14	70	15	577
Pitt Meadows	17	7,037	8	13	113	8	636
Prince George	38	2,084	6	14	41	25	210
Québec/Jean Lesage International	16	7,217	12	11	64	12	420
Regina International	30	3,630	14	13	42	13	219
Saskatoon/John G. Diefenbaker International	19	6,480	24	19	73	25	418
Sault Ste. Marie	29	3,658	2	12	51	5	253
St. John's International	33	2,977	23	11	27	15	178
St-Jean	42	968	11	14	33	11	92
Thunder Bay	14	8,098	4	19	84	5	464
Toronto/Buttonville Municipal	18	6,826	4	15	109	4	606
Toronto/Lester B. Pearson International	1	30,759	19	16	97	19	1,248
Vancouver Harbour	31	3,481	21	14	23	19	192
Vancouver International	2	21,908	22	11	69	26	909
Victoria International	8	10,421	9	16	77	3	559
Whitehorse International	40	1,593	25	15	34	26	167
Windsor	41	1,386	21	15	41	21	145
Winnipeg/James Armstrong Richardson International	10	9,993	8	17	47	10	449
Winnipeg/St. Andrews	12	8,852	2	15	114	9	542
Yellowknife	27	4,098	21	15	43	21	200

**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	18	1,408	14	15	62	15	130
Campbell River	16	1,662	5	12	64	5	236
Castlegar	22	1,287	28	11	57	22	131
Charlottetown	33	936	4	12	24	24	87
Churchill	39	766	4	10	8	4	44
Cranbrook	27	1,192	26	15	28	26	108
Deer Lake	24	1,284	15	14	27	16	93
Fort Nelson	29	1,084	7	10	15	17	77
Fort St John	8	2,332	18	11	36	8	163
Grande Prairie	2	2,763	8	14	40	12	229
High Level	42	633	7	13	24	7	90
Îles-de-la-Madeleine	51	309	22	9	6	11	21
Inuvik/Mike Zubko	43	590	1	13	7	6	37
Iqaluit	26	1,220	12	9	20	12	81
Kamloops	12	2,093	12	11	47	4	130
Kenora	34	927	6	18	28	4	64
Kingston	5	2,459	12	11	51	21	189
Kuujuuaq	37	793	11	13	22	11	58
La Grande Rivière	41	710	10	15	12	11	46
La Ronge	28	1,109	24	11	25	24	100
Lethbridge	14	1,806	5	13	44	2	162
Lloydminster	31	1,053	26	14	27	28	118
Medicine Hat	30	1,084	21	10	31	11	90
Mont-Joli	49	355	24	11	11	24	28
Montréal/Mirabel International	7	2,357	12	9	66	6	184
Nanaimo	23	1,284	21	13	22	17	81
Norman Wells	46	509	18	10	10	16	33
North Bay	1	3,181	22	12	66	11	288
Ottawa/Gatineau	6	2,371	7	13	78	18	206
Peace River	47	452	15	13	10	12	30
Penticton	3	2,703	11	11	72	25	329
Port Hardy	45	530	2	11	18	2	48
Prince Albert	19	1,390	3	13	20	16	86
Prince Rupert	50	317	8	14	10	18	22
Rankin Inlet	35	846	12	13	11	12	47
Red Deer Regional	10	2,294	9	15	74	9	250
Rouyn-Noranda	36	846	12	11	19	12	49
Saint John	25	1,270	5	19	23	10	92
Sept-Îles	17	1,648	4	11	19	4	97
Sioux Lookout	13	2,046	19	18	16	19	139
Smithers	48	451	22	10	7	18	30
St Catharines	20	1,320	21	10	62	4	198
Sudbury	9	2,315	12	17	30	24	136
Terrace	40	713	5	15	11	15	37
Thompson	4	2,534	6	16	34	5	126
Timmins	15	1,743	23	10	19	5	94
Val-d'Or	32	1,027	27	14	42	27	127
Victoria Harbour	11	2,287	1	9	18	22	106
Wabush	38	789	9	14	25	9	82
Whitecourt	21	1,318	16	10	40	19	134
Williams Lake	44	544	11	10	14	11	32

**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	16	4,303	9	16	36	9	287
Billy Bishop Toronto City	12	4,782	12	16	31	11	268
Boundary Bay	39	998	5	15	13	9	75
Calgary International	3	18,022	10	18	59	11	811
Calgary/Springbank	14	4,569	21	11	40	5	265
Chicoutimi/St-Honoré	40	975	10	14	29	10	141
Edmonton City Centre	17	4,208	5	15	35	25	299
Edmonton International	5	9,990	16	13	43	11	463
Edmonton/Villeneuve	36	1,241	11	15	26	25	124
Fort McMurray	24	3,052	5	16	17	25	161
Fredericton International	23	3,063	10	9	26	10	272
Gander International	35	1,326	25	14	15	3	117
Halifax/Robert L. Stanfield International	10	5,579	19	13	21	3	257
Hamilton	30	2,315	4	14	21	4	171
Kelowna	20	3,631	13	13	21	19	187
Kitchener/Waterloo	29	2,539	4	14	37	4	299
Langley	33	1,624	6	15	22	9	104
London	18	3,961	4	15	40	4	335
Moncton/Greater Moncton International	19	3,779	6	12	31	10	337
Montréal/Pierre Elliott Trudeau International	4	15,804	3	18	54	12	645
Montréal/St-Hubert	13	4,638	5	15	41	9	357
Oshawa	37	1,234	21	12	20	21	148
Ottawa/Macdonald-Cartier International	7	9,312	4	14	47	4	469
Pitt Meadows	31	2,204	9	16	30	9	184
Prince George	34	1,620	10	15	13	25	100
Québec/Jean Lesage International	9	5,683	10	11	30	10	305
Regina International	26	2,842	23	16	20	23	140
Saskatoon/John G. Diefenbaker International	15	4,536	26	15	31	25	240
Sault Ste. Marie	32	1,903	5	12	13	5	113
St. John's International	28	2,603	21	14	19	18	130
St-Jean	42	620	15	14	15	5	64
Thunder Bay	11	5,038	19	15	29	19	259
Toronto/Buttonville Municipal	21	3,620	4	15	49	4	328
Toronto/Lester B. Pearson International	1	30,759	19	16	97	19	1,248
Vancouver Harbour	22	3,481	21	14	23	19	192
Vancouver International	2	21,908	22	11	69	26	909
Victoria International	8	5,907	21	14	41	19	276
Whitehorse International	38	1,007	26	10	14	26	77
Windsor	41	966	21	14	9	21	61
Winnipeg/James Armstrong Richardson International	6	9,576	10	13	38	11	436
Winnipeg/St. Andrews	25	3,027	24	10	33	9	178
Yellowknife	27	2,828	11	14	16	17	154

**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	38	614	2	14	17	15	50
Campbell River	21	1,050	14	12	13	17	65
Castlegar	35	705	20	15	13	21	58
Charlottetown	30	771	25	18	12	24	57
Churchill	31	760	4	10	8	4	44
Cranbrook	28	822	23	14	10	26	50
Deer Lake	20	1,102	24	8	11	1	56
Fort Nelson	22	1,022	18	10	15	25	65
Fort St John	9	1,360	25	10	17	10	81
Grande Prairie	5	1,827	25	16	14	25	92
High Level	43	523	18	9	8	18	40
Îles-de-la-Madeleine	50	309	22	9	6	11	21
Inuvik/Mike Zubko	39	572	1	13	7	4	35
Iqaluit	19	1,118	12	14	13	22	56
Kamloops	8	1,409	18	12	12	18	71
Kenora	29	779	2	11	8	2	55
Kingston	10	1,355	5	15	17	5	91
Kuujuuaq	33	749	15	13	10	22	42
La Grande Rivière	37	680	8	14	8	2	44
La Ronge	23	957	3	10	11	3	55
Lethbridge	18	1,118	2	16	14	11	73
Lloydminster	41	535	25	14	9	11	39
Medicine Hat	34	746	28	10	11	18	56
Mont-Joli	49	337	9	18	8	2	25
Montréal/Mirabel International	11	1,283	15	13	14	5	78
Nanaimo	15	1,174	17	17	11	19	63
Norman Wells	45	493	10	12	8	25	30
North Bay	14	1,201	5	14	16	5	94
Ottawa/Gatineau	24	859	7	13	20	4	65
Peace River	48	440	18	8	6	12	30
Penticton	17	1,145	17	15	15	17	86
Port Hardy	46	484	18	12	7	10	28
Prince Albert	12	1,274	16	13	17	16	84
Prince Rupert	51	268	20	0	5	9	16
Rankin Inlet	25	846	12	13	11	12	47
Red Deer Regional	13	1,253	19	14	21	9	110
Rouyn-Noranda	27	824	11	17	8	4	45
Saint John	16	1,148	5	19	15	5	72
Sept-Îles	7	1,588	4	11	19	4	97
Sioux Lookout	4	2,010	16	8	15	19	125
Smithers	47	449	22	11	7	18	30
St Catharines	42	532	21	14	20	21	81
Sudbury	3	2,099	11	8	16	5	119
Terrace	36	705	23	15	8	15	37
Thompson	1	2,384	9	16	15	9	116
Timmins	6	1,711	5	15	17	5	94
Val-d'Or	26	825	3	9	7	10	49
Victoria Harbour	2	2,287	1	9	18	22	106
Wabush	32	757	5	16	9	9	50
Whitecourt	40	542	11	15	10	16	37
Williams Lake	44	498	6	10	8	18	29

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	5,053	8	11	86	4	358
Billy Bishop Toronto City	9	3,362	13	15	50	15	258
Boundary Bay	26	845	10	15	44	15	128
Calgary International	38	105	27	9	16	27	18
Calgary/Springbank	1	7,233	24	10	100	10	468
Chicoutimi/St-Honoré	19	1,635	11	11	70	11	296
Edmonton City Centre	25	1,000	16	15	36	16	157
Edmonton International	37	200	1	12	16	1	38
Edmonton/Villeneuve	8	3,655	10	13	94	15	371
Fort McMurray	33	403	4	13	14	16	36
Fredericton International	13	2,737	6	13	40	10	295
Gander International	24	1,111	15	15	46	4	203
Halifax/Robert L. Stanfield International	36	202	2	17	22	2	46
Hamilton	30	450	11	12	36	4	79
Kelowna	17	1,933	6	15	42	15	170
Kitchener/Waterloo	12	2,960	6	19	66	6	396
Langley	15	2,249	28	12	66	10	210
London	7	4,067	5	14	60	15	354
Moncton/Greater Moncton International	14	2,423	1	8	50	4	302
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	5,952	9	9	114	16	797
Oshawa	22	1,375	4	18	60	4	234
Ottawa/Macdonald-Cartier International	20	1,608	28	14	42	15	172
Pitt Meadows	5	4,833	8	13	104	8	550
Prince George	29	464	6	14	34	25	110
Québec/Jean Lesage International	21	1,534	9	18	40	12	130
Regina International	27	788	21	17	30	13	104
Saskatoon/John G. Diefenbaker International	16	1,944	24	19	64	24	184
Sault Ste. Marie	18	1,755	25	14	42	25	146
St. John's International	34	374	23	11	20	15	66
St-Jean	35	348	4	13	26	4	58
Thunder Bay	11	3,060	4	19	72	5	250
Toronto/Buttonville Municipal	10	3,206	4	15	60	9	281
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	6	4,514	9	16	58	3	330
Whitehorse International	28	586	25	15	28	26	90
Windsor	31	420	21	15	34	21	84
Winnipeg/James Armstrong Richardson International	32	417	2	16	22	10	38
Winnipeg/St. Andrews	3	5,825	2	15	94	9	364
Yellowknife	23	1,270	7	11	34	13	112

**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	9	794	14	15	58	14	90
Campbell River	14	612	5	12	52	5	176
Castlegar	15	582	28	11	52	22	96
Charlottetown	22	165	4	12	20	24	30
Churchill	47	6	11	20	6	11	6
Cranbrook	17	370	1	16	20	26	58
Deer Lake	21	182	15	14	24	14	44
Fort Nelson	31	62	7	10	14	17	22
Fort St John	7	972	8	19	28	8	106
Grande Prairie	8	936	8	16	32	12	138
High Level	29	110	7	13	24	7	70
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	18	27	11	6	27	14
Iqaluit	30	102	12	9	18	27	38
Kamloops	13	684	12	11	42	6	78
Kenora	25	148	6	18	24	4	28
Kingston	4	1,104	12	11	42	21	120
Kuujuuaq	36	44	11	13	20	11	30
La Grande Rivière	40	30	11	20	8	11	14
La Ronge	23	152	24	11	20	24	54
Lethbridge	12	688	5	13	36	2	94
Lloydminster	16	518	28	13	24	28	94
Medicine Hat	18	338	21	10	24	11	46
Mont-Joli	43	18	24	11	10	24	18
Montréal/Mirabel International	5	1,074	6	14	54	6	122
Nanaimo	28	110	25	12	14	25	34
Norman Wells	44	16	16	15	6	16	10
North Bay	1	1,980	22	12	60	8	226
Ottawa/Gatineau	3	1,512	18	11	70	18	168
Peace River	45	12	15	13	10	15	10
Penticton	2	1,558	11	11	64	25	244
Port Hardy	35	46	2	11	14	2	26
Prince Albert	27	116	25	23	12	28	26
Prince Rupert	33	49	8	14	8	21	12
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	6	1,041	9	15	60	9	140
Rouyn-Noranda	41	22	12	11	16	12	16
Saint John	26	122	24	16	12	24	32
Sept-Îles	32	60	20	14	10	9	16
Sioux Lookout	37	36	19	18	8	19	14
Smithers	48	2	22	10	2	22	2
St Catharines	10	788	21	10	46	4	144
Sudbury	19	216	24	13	20	24	60
Terrace	46	8	5	15	6	5	6
Thompson	24	150	6	16	24	6	38
Timmins	38	32	23	10	13	23	20
Val-d'Or	20	202	27	14	40	27	102
Victoria Harbour	0	0	0	0	0	0	0
Wabush	39	32	9	14	20	9	32
Whitecourt	11	776	16	10	34	19	100
Williams Lake	34	46	11	10	8	5	8



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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	5,053	8	11	86	4	358
Billy Bishop Toronto City	9	3,362	13	15	50	15	258
Boundary Bay	26	845	10	15	44	15	128
Calgary International	38	101	27	9	16	27	18
Calgary/Springbank	1	7,231	24	10	100	10	468
Chicoutimi/St-Honoré	19	1,635	11	11	70	11	296
Edmonton City Centre	24	998	16	15	36	16	157
Edmonton International	36	194	1	12	16	1	38
Edmonton/Villeneuve	8	3,655	10	13	94	15	371
Fort McMurray	32	401	4	13	14	16	36
Fredericton International	13	2,680	6	13	40	10	279
Gander International	25	910	15	15	42	4	199
Halifax/Robert L. Stanfield International	37	162	10	12	20	10	34
Hamilton	30	450	11	12	36	4	79
Kelowna	16	1,933	6	15	42	15	170
Kitchener/Waterloo	12	2,960	6	19	66	6	396
Langley	15	2,249	28	12	66	10	210
London	7	4,067	5	14	60	15	354
Moncton/Greater Moncton International	14	2,421	1	8	50	4	302
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	5,952	9	9	114	16	797
Oshawa	22	1,375	4	18	60	4	234
Ottawa/Macdonald-Cartier International	20	1,596	28	14	42	15	172
Pitt Meadows	5	4,833	8	13	104	8	550
Prince George	29	464	6	14	34	25	110
Québec/Jean Lesage International	21	1,534	9	18	40	12	130
Regina International	27	740	21	17	30	13	102
Saskatoon/John G. Diefenbaker International	17	1,868	3	19	44	25	178
Sault Ste. Marie	18	1,737	25	14	42	5	140
St. John's International	33	374	23	11	20	15	66
St-Jean	34	348	4	13	26	4	58
Thunder Bay	11	3,030	4	19	72	5	250
Toronto/Buttonville Municipal	10	3,206	4	15	60	9	281
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	6	4,208	9	16	58	3	286
Whitehorse International	28	572	25	15	28	26	76
Windsor	31	420	21	15	34	21	84
Winnipeg/James Armstrong Richardson International	35	311	2	16	22	10	38
Winnipeg/St. Andrews	3	5,824	2	15	94	9	364
Yellowknife	23	1,219	7	11	34	13	112

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	10	776	14	15	58	14	90
Campbell River	14	612	5	12	52	5	176
Castlegar	15	582	28	11	52	22	96
Charlottetown	22	159	4	12	20	24	30
Churchill	46	6	11	20	6	11	6
Cranbrook	17	370	1	16	20	26	58
Deer Lake	21	182	15	14	24	14	44
Fort Nelson	31	62	7	10	14	17	22
Fort St John	7	972	8	19	28	8	106
Grande Prairie	8	930	8	16	32	12	138
High Level	27	110	7	13	24	7	70
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	41	18	27	11	6	27	14
Iqaluit	30	102	12	9	18	27	38
Kamloops	13	684	12	11	42	6	78
Kenora	29	108	6	18	24	6	24
Kingston	4	1,100	12	11	42	21	120
Kuujuuaq	35	44	11	13	20	11	30
La Grande Rivière	39	30	11	20	8	11	14
La Ronge	23	152	24	11	20	24	54
Lethbridge	12	688	5	13	36	2	94
Lloydminster	16	518	28	13	24	28	94
Medicine Hat	18	336	21	10	24	11	46
Mont-Joli	42	18	24	11	10	24	18
Montréal/Mirabel International	5	1,044	6	14	54	6	122
Nanaimo	28	110	25	12	14	25	34
Norman Wells	43	16	16	15	6	16	10
North Bay	1	1,978	22	12	60	8	226
Ottawa/Gatineau	3	1,512	18	11	70	18	168
Peace River	44	12	15	13	10	15	10
Penticton	2	1,558	11	11	64	25	244
Port Hardy	47	4	19	20	4	19	4
Prince Albert	26	116	25	23	12	28	26
Prince Rupert	33	49	8	14	8	21	12
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	6	1,041	9	15	60	9	140
Rouyn-Noranda	40	22	12	11	16	12	16
Saint John	25	122	24	16	12	24	32
Sept-Îles	32	60	20	14	10	9	16
Sioux Lookout	36	34	19	18	8	19	14
Smithers	48	2	22	10	2	22	2
St Catharines	9	788	21	10	46	4	144
Sudbury	19	216	24	13	20	24	60
Terrace	45	8	5	15	6	5	6
Thompson	24	150	6	16	24	6	38
Timmins	38	32	23	10	13	23	20
Val-d'Or	20	202	27	14	40	27	102
Victoria Harbour	0	0	0	0	0	0	0
Wabush	37	32	9	14	20	9	32
Whitecourt	11	776	16	10	34	19	100
Williams Lake	34	46	11	10	8	5	8

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	0	0	0	0	0	0	0
Billy Bishop Toronto City	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	14	4	24	14	4	24	4
Calgary/Springbank	18	2	9	14	2	9	2
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	16	2	12	18	2	12	2
Edmonton International	13	6	18	19	4	18	4
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	15	2	4	14	2	4	2
Fredericton International	5	57	10	13	12	10	16
Gander International	2	201	19	10	15	2	40
Halifax/Robert L. Stanfield International	8	40	2	17	16	3	18
Hamilton	0	0	0	0	0	0	0
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	17	2	13	14	2	13	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	12	12	19	14	10	19	10
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	7	48	15	19	18	15	22
Saskatoon/John G. Diefenbaker International	4	76	24	20	34	24	62
Sault Ste. Marie	10	18	25	11	6	25	12
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	9	30	9	12	12	9	16
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	1	306	3	15	18	22	46
Whitehorse International	11	14	26	13	10	26	14
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	3	106	22	9	14	25	26
Winnipeg/St. Andrews	19	1	4	16	1	4	1
Yellowknife	6	51	24	12	16	2	23

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	4	18	22	14	12	22	12
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	6	6	2	10	6	2	6
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Grande Prairie	5	6	25	15	6	25	6
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	2	40	4	10	14	4	22
Kingston	7	4	11	10	4	11	4
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	9	2	26	18	2	26	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	30	19	20	12	4	14
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	8	2	9	11	2	9	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	1	42	2	11	14	2	26
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	10	2	5	11	2	5	2
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, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

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

## Data quality and limitations

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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 ASC editing staff.

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

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

## Appendix I

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### Factors influencing the data

The Vancouver 2010 Winter Olympics resulted in regular carriers scheduling additional flights and an influx of corporate jets. Conversely, airspace restrictions and enhanced security reduced the number of movements of the smaller local carriers.

Significant winter storms struck the eastern seaboard of Canada and the United States in early February 2010, forcing flight delays and cancellations.

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

In June 2009, Air Canada added daily non-stop service between Calgary and Portland, Oregon as well as between Calgary and London, United Kingdom. Year-round daily non-stop service between Montreal and Geneva commenced on June 1, 2009.

Effective May 4, 2009, Air France added another daily flight out of Montreal/Trudeau to Paris/CDG.

On May 15, 2009, Air Canada launched a new daily non-stop service between Calgary and San Diego, CA.

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



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

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

#### Aircraft movement

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

#### Class of operation

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

#### Commercial

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

#### Domestic itinerant movements

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

#### FSS

Flight service station.

#### Government-Civil

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

#### Government-Military

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

## Gross take-off weight

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

## I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

## International movements

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

## Itinerant movements

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

## Local movements

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

## Other commercial

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

## Power plant

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

## Private aircraft

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

## Runway 88

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

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

## Simulated approaches

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

## TC

Transport Canada.

## Tower control zone

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

## V.F.R. flight

A flight conducted in accordance with Visual flight rules.

## Weight group

The classification of weight classes in groups for statistical purposes.