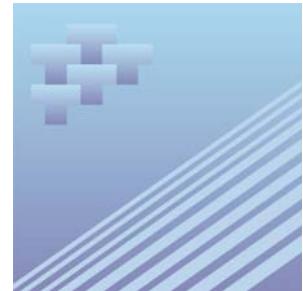


Catalogue no. 51-007-X

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



September 2010



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Statistics Canada  
Transportation Division

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

September 2010

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## Symbols

The following standard symbols are used in Statistics Canada publications:

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

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## Highlights

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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 11.6% in September 2010 from September 2009. These airports reported 475,902 movements in September compared with 538,362 movements in September 2009.

There were 344,510 itinerant movements (flights from one airport to another) reported in September 2010. This represents a 9.8% decrease (-37,264 movements) compared with the same month a year earlier.

There were 131,392 local movements (flights that remain in the vicinity of the airport) recorded in September 2010. This represents a decrease of 25,196 movements (-16.1%) compared with September 2009.

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

	NAV CANADA towers number	Percentage change, September 2009 to September 2010 percent	NAV CANADA Flight Service Stations number	Percentage change, September 2009 to September 2010 percent	Total number	Percentage change, September 2009 to September 2010 percent
<b>Grand total</b>	<b>384,824</b>	<b>-9.0</b>	<b>91,078</b>	<b>-21.2</b>	<b>475,902</b>	<b>-11.6</b>
<b>Itinerant movements</b>						
Air carriers	208,618	-3.6	54,013	-11.3	262,631	-5.3
Other commercial movements	25,902	-24.8	3,320	-40.2	29,222	-26.9
Private movements	28,559	-20.2	11,241	-19.9	39,800	-20.1
Government civil movements	4,673	-10.3	1,612	-28.5	6,285	-15.8
Government military movements	5,019	-6.6	1,553	-19.2	6,572	-9.9
Itinerant total	272,771	-8.2	71,739	-15.3	344,510	-9.8
<b>Local movements</b>						
Civil local movements	111,951	-10.1	18,941	-38.2	130,892	-15.7
Military local movements	102	-91.5	398	114.0	500	-64.1
Local total	112,053	-10.9	19,339	-37.3	131,392	-16.1

## **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 11.6% in September 2010 from September 2009. These airports reported 475,902 movements in September compared with 538,362 movements in September 2009. Year over year increases were reported by 30 airports. Toronto/Lester B Pearson International, Ontario (35,627 movements) followed by Vancouver International, British Columbia (25,493 movements) were the most active sites in September 2010.

There were 344,510 itinerant movements (flights from one airport to another) reported in September 2010. This represents a 9.8% decrease (-37,264 movements) compared with the same month a year earlier. The year over year variations ranged from an increase of 59.9% for Wabush, Newfoundland and Labrador to a decline of 44.2% for Moncton/Greater Moncton International, New Brunswick. Year-over-year increases in the number of itinerant aircraft movements were reported by 27 airports in September 2010.

There were 131,392 local movements (flights that remain in the vicinity of the airport) recorded in September 2010. Toronto/Buttonville Municipal, Ontario recorded the largest gain, increasing by 2,688 local movements (+38.1%). Only partial local movement data have been received for the month of September 2010 for Oshawa, Ontario.

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

There were 291,893 domestic itinerant movements reported in September 2010, down 11.8% (-39,157 movements) from September 2009. Vancouver International, British Columbia (19,329) followed by Calgary International, Alberta (15,716) reported the greatest number of domestic itinerant movements.

Eighty-two airports reported 42,906 transborder itinerant movements (between Canada and the United States) in September 2010, up 5.5% (+2,253 movements) from the previous year. Toronto/Lester B Pearson International, Ontario (15,622) followed by Montréal/Pierre Elliott Trudeau International, Quebec (6,042) reported the greatest number of transborder itinerant movements.

Thirty-seven airports reported 9,711 other international itinerant movements in September 2010, down 3.6% (-360 movements) from the previous year. Toronto/Lester B Pearson International, Ontario recorded the largest gain, increasing by 518 other international itinerant movements (+13.4%) while Fort McMurray, Alberta reported the largest decline with 557 fewer movements (-98.4%) compared with the previous year.

## 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
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly

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401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
401-0020	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
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401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

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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	25	6,563	31	3,134	14	3,429
Boundary Bay	8	13,024	13	5,609	3	7,415
Calgary International	3	19,789	3	19,581	37	208
Calgary/Springbank	17	9,363	29	3,390	7	5,973
Chicoutimi/St-Honoré	16	9,559	41	1,891	2	7,668
Edmonton City Centre	29	5,729	19	4,883	28	846
Edmonton International	11	11,010	6	10,554	33	456
Edmonton/Villeneuve	21	7,479	34	2,499	9	4,980
Fort McMurray	28	5,945	16	5,075	27	870
Fredericton International	23	7,314	24	3,969	15	3,345
Gander International	40	2,688	40	1,982	31	706
Halifax/Robert L Stanfield International	22	7,470	10	7,200	36	270
Hamilton	37	3,678	33	2,669	26	1,009
Kelowna	30	5,728	23	4,018	21	1,710
Kitchener/Waterloo	24	6,817	30	3,279	13	3,538
Langley	27	6,246	32	3,088	16	3,158
London	12	10,777	15	5,354	8	5,423
Moncton/Greater Moncton International	18	8,797	17	4,925	11	3,872
Montréal/Pierre Elliott Trudeau International	4	18,932	4	18,729	38	203
Montréal/St-Hubert	7	13,764	11	6,350	4	7,414
Oshawa <sup>1</sup>	41	2,627	37	2,251	34	376
Ottawa/Macdonald-Cartier International	5	14,898	5	11,110	12	3,788
Pitt Meadows	14	10,236	21	4,089	6	6,147
Prince George	39	2,934	38	2,176	30	758
Québec/Jean Lesage International	15	9,810	9	7,306	19	2,504
Regina International	31	5,049	27	3,801	24	1,248
Saskatoon/John G Diefenbaker International	19	8,505	14	5,480	17	3,025
Sault Ste. Marie	34	3,925	39	2,013	20	1,912
St. John's International	35	3,789	28	3,636	39	153
St-Jean	36	3,728	35	2,481	25	1,247
Thunder Bay	26	6,447	18	4,923	22	1,524
Toronto/Billy Bishop Toronto City	20	8,451	12	5,918	18	2,533
Toronto/Buttonville Municipal	6	14,617	20	4,870	1	9,747
Toronto/Lester B Pearson International	1	35,627	1	35,557	40	70
Vancouver Harbour	33	4,091	22	4,085	42	6
Vancouver International	2	25,493	2	25,475	41	18
Victoria International	9	12,581	8	7,914	10	4,667
Whitehorse International	38	3,062	36	2,283	29	779
Windsor	42	1,699	42	1,329	35	370
Winnipeg/James Armstrong Richardson International	10	11,457	7	10,167	23	1,290
Winnipeg/St. Andrews	13	10,617	26	3,859	5	6,758
Yellowknife	32	4,509	25	3,869	32	640
<b>Total of NAV CANADA towers (42)</b>	.	<b>384,824</b>	.	<b>272,771</b>	.	<b>112,053</b>

1. Only partial local movement data has been received for the month of September 2010 for Oshawa, Ontario.

**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	27	1,641	27	1,293	20	348
Campbell River	14	2,393	18	1,541	8	852
Castlegar	18	2,241	40	985	5	1,256
Charlottetown	24	1,735	23	1,309	16	426
Churchill	46	929	44	923	44	6
Cranbrook	36	1,213	42	955	24	258
Deer Lake	31	1,306	25	1,306	0	0
Fort Nelson	17	2,309	8	2,093	27	216
Fort St John	16	2,334	10	1,904	15	430
Grande Prairie	2	3,388	3	2,618	9	770
High Level	41	1,134	36	1,080	38	54
Îles-de-la-Madeleine	50	405	50	405	0	0
Inuvik/Mike Zubko	23	1,773	19	1,541	26	232
Iqaluit	21	1,964	14	1,682	21	282
Kamloops	4	3,004	13	1,704	4	1,300
Kenora	39	1,157	41	957	28	200
Kingston	5	2,905	12	1,753	6	1,152
Kuujjuaq	37	1,169	33	1,113	37	56
La Grande Rivière	47	834	45	802	40	32
La Ronge	34	1,248	32	1,162	34	86
Lethbridge	22	1,905	29	1,201	10	704
Lloydminster	44	1,049	48	685	19	364
Medicine Hat	30	1,359	34	1,085	23	274
Mont-Joli	48	736	47	730	45	6
Montréal/Mirabel International	13	2,409	11	1,761	12	648
Nanaimo	9	2,653	7	2,153	14	500
Norman Wells	33	1,270	31	1,172	31	98
North Bay	6	2,895	21	1,453	2	1,442
Ottawa/Gatineau	1	3,440	15	1,664	1	1,776
Peace River	49	616	49	600	42	16
Penticton	7	2,856	20	1,454	3	1,402
Port Hardy	45	951	43	929	41	22
Prince Albert	25	1,693	17	1,607	33	86
Prince Rupert	51	329	51	321	43	8
Rankin Inlet	32	1,296	26	1,296	0	0
Red Deer Regional	19	2,226	16	1,632	13	594
Rouyn-Noranda	28	1,460	30	1,178	22	282
Saint John	26	1,678	24	1,309	18	369
Sept-Îles	8	2,836	4	2,434	17	402
Sioux Lookout	12	2,435	5	2,369	36	66
Smithers	42	1,118	35	1,082	39	36
St Catharines	15	2,372	22	1,380	7	992
Sudbury	11	2,606	6	2,359	25	247
Terrace	43	1,055	37	1,055	0	0
Thompson	3	3,064	1	2,972	32	92
Timmins	20	2,070	9	2,001	35	69
Val-d'Or	38	1,157	39	1,035	29	122
Victoria Harbour	10	2,627	2	2,627	0	0
Wabush	35	1,228	28	1,228	0	0
Whitecourt	29	1,459	46	792	11	667
Williams Lake	40	1,148	38	1,049	30	99
<b>Total of all flight service stations (51)</b>	.	<b>91,078</b>	.	<b>71,739</b>	.	<b>19,339</b>

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

	Civil movements			Military movements		
	Total	Itinerant		Local	Total	Itinerant
		Commercial	Private and government			
number						
Abbotsford	6,541	2,277	835	3,429	22	22
Boundary Bay	13,015	4,451	1,149	7,415	9	9
Calgary International	19,732	18,205	1,320	207	57	56
Calgary/Springbank	9,359	2,209	1,177	5,973	4	4
Chicoutimi/St-Honoré	9,553	1,684	205	7,664	6	2
Edmonton City Centre	5,710	3,546	1,318	846	19	19
Edmonton International	10,957	9,998	503	456	53	53
Edmonton/Villeneuve	6,206	754	472	4,980	1,273	1,273
Fort McMurray	5,937	4,568	499	870	8	8
Fredericton International	7,229	3,658	226	3,345	85	85
Gander International	2,500	1,353	442	705	188	187
Halifax/Robert L Stanfield International	7,236	6,590	379	267	234	231
Hamilton	3,671	2,049	613	1,009	7	7
Kelowna	5,705	3,299	699	1,707	23	20
Kitchener/Waterloo	6,813	2,316	959	3,538	4	4
Langley	6,246	1,886	1,202	3,158	0	0
London	10,766	4,517	826	5,423	11	11
Moncton/Greater Moncton International	8,779	4,518	392	3,869	18	15
Montréal/Pierre Elliott Trudeau International	18,914	17,044	1,667	203	18	18
Montréal/St-Hubert	13,694	5,014	1,266	7,414	70	70
Oshawa 1	2,618	1,443	799	376	9	9
Ottawa/Macdonald-Cartier International	14,669	10,151	732	3,786	229	227
Pitt Meadows	9,833	2,405	1,281	6,147	403	403
Prince George	2,896	1,630	508	758	38	38
Québec/Jean Lesage International	9,690	5,892	1,298	2,500	120	116
Regina International	4,949	3,052	673	1,224	100	76
Saskatoon/John G Diefenbaker International	8,423	4,503	915	3,005	82	62
Sault Ste. Marie	3,889	1,715	266	1,908	36	32
St. John's International	3,521	3,038	331	152	268	267
St-Jean	2,823	673	903	1,247	905	905
Thunder Bay	6,361	4,509	346	1,506	86	68
Toronto/Billy Bishop Toronto City	8,425	5,207	685	2,533	26	26
Toronto/Buttonville Municipal	14,617	2,630	2,240	9,747	0	0
Toronto/Lester B Pearson International	35,556	34,189	1,297	70	71	71
Vancouver Harbour	4,091	3,994	91	6	0	0
Vancouver International	25,476	24,176	1,284	16	17	15
Victoria International	12,505	6,322	1,520	4,663	76	72
Whitehorse International	2,933	1,695	459	779	129	129
Windsor	1,697	1,002	325	370	2	2
Winnipeg/James Armstrong Richardson International	11,167	9,223	662	1,282	290	282
Winnipeg/St. Andrews	10,609	3,539	312	6,758	8	8
Yellowknife	4,392	3,596	156	640	117	117
<b>Total of NAV CANADA towers (42)</b>	<b>379,703</b>	<b>234,520</b>	<b>33,232</b>	<b>111,951</b>	<b>5,121</b>	<b>5,019</b>
						<b>102</b>

1. Only partial local movement data has been received for the month of September 2010 for Oshawa, Ontario.

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

	Civil movements			Military movements		
	Total	Itinerant		Local	Total	Itinerant
		Commercial	Private and government			
number						
Brandon Municipal	1,204	384	522	298	437	387
Campbell River	2,367	1,058	457	852	26	26
Castlegar	2,233	892	85	1,256	8	8
Charlottetown	1,705	1,047	232	426	30	30
Churchill	927	857	64	6	2	2
Cranbrook	1,140	650	232	258	73	73
Deer Lake	1,300	1,220	80	0	6	6
Fort Nelson	2,286	1,862	208	216	23	23
Fort St John	2,321	1,563	328	430	13	13
Grande Prairie	3,228	2,039	419	770	160	160
High Level	1,134	1,012	68	54	0	0
Îles-de-la-Madeleine	401	334	67	0	4	4
Inuvik/Mike Zubko	1,556	1,414	28	114	217	99
Iqaluit	1,934	1,534	118	282	30	30
Kamloops	2,994	1,218	476	1,300	10	10
Kenora	1,095	723	186	186	62	48
Kingston	2,841	1,175	530	1,136	64	48
Kuujuaq	1,163	1,055	52	56	6	6
La Grande Rivière	834	726	76	32	0	0
La Ronge	1,246	1,028	132	86	2	2
Lethbridge	1,886	741	449	696	19	11
Lloydminster	1,039	371	304	364	10	10
Medicine Hat	1,343	827	244	272	16	14
Mont-Joli	628	506	116	6	108	108
Montréal/Mirabel International	2,311	1,314	385	612	98	62
Nanaimo	2,472	1,333	777	362	181	43
Norman Wells	1,260	1,124	38	98	10	10
North Bay	2,834	1,096	306	1,432	61	51
Ottawa/Gatineau	3,422	831	815	1,776	18	18
Peace River	616	520	80	16	0	0
Penticton	2,824	944	478	1,402	32	32
Port Hardy	943	789	132	22	8	8
Prince Albert	1,683	1,372	225	86	10	10
Prince Rupert	327	244	75	8	2	2
Rankin Inlet	1,292	1,269	23	0	4	4
Red Deer Regional	2,207	914	705	588	19	13
Rouyn-Noranda	1,460	966	212	282	0	0
Saint John	1,667	974	324	369	11	11
Sept-Îles	2,827	2,170	255	402	9	9
Sioux Lookout	2,427	2,270	91	66	8	8
Smithers	1,021	836	149	36	97	97
St Catharines	2,363	915	456	992	9	9
Sudbury	2,597	2,012	338	247	9	9
Terrace	1,049	974	75	0	6	6
Thompson	3,064	2,798	174	92	0	0
Timmins	2,068	1,772	227	69	2	2
Val-d'Or	1,138	806	210	122	19	19
Victoria Harbour	2,627	2,229	398	0	0	0
Wabush	1,224	1,114	110	0	4	4
Whitecourt	1,459	694	98	667	0	0
Williams Lake	1,140	817	224	99	8	8
<b>Total of all flight service stations (51)</b>	<b>89,127</b>	<b>57,333</b>	<b>12,853</b>	<b>18,941</b>	<b>1,951</b>	<b>1,553</b>
						<b>398</b>

**Table 3-1**  
**Itinerant movements by type of operator — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford	3,134	431	1,516	330	760	75	22
Boundary Bay	5,609	5	1,173	3,273	1,121	28	9
Calgary International	19,581	17,023	767	415	1,165	155	56
Calgary/Springbank	3,390	30	488	1,691	1,153	24	4
Chicoutimi/St-Honoré	1,891	402	73	1,209	203	2	2
Edmonton City Centre	4,883	1,517	563	1,466	838	480	19
Edmonton International	10,554	9,558	248	192	492	11	53
Edmonton/Villeneuve	2,499	3	53	698	410	62	1,273
Fort McMurray	5,075	1,558	2,761	249	449	50	8
Fredericton International	3,969	863	2,790	5	153	73	85
Gander International	1,982	484	841	28	344	98	187
Halifax/Robert L Stanfield International	7,200	6,083	428	79	336	43	231
Hamilton	2,669	1,910	128	11	321	292	7
Kelowna	4,018	2,736	222	341	611	88	20
Kitchener/Waterloo	3,279	361	1,883	72	953	6	4
Langley	3,088	96	216	1,574	1,169	33	0
London	5,354	1,392	965	2,160	719	107	11
Moncton/Greater Moncton International	4,925	1,610	2,897	11	190	202	15
Montréal/Pierre Elliott Trudeau International	18,729	16,043	953	48	1,473	194	18
Montréal/St-Hubert	6,350	3,026	531	1,457	1,210	56	70
Oshawa	2,251	29	116	1,298	727	72	9
Ottawa/Macdonald-Cartier International	11,110	7,706	322	2,123	455	277	227
Pitt Meadows	4,089	10	905	1,490	1,239	42	403
Prince George	2,176	1,240	368	22	428	80	38
Québec/Jean Lesage International	7,306	4,160	1,541	191	987	311	116
Regina International	3,801	2,342	657	53	440	233	76
Saskatoon/John G Diefenbaker International	5,480	3,037	887	579	592	323	62
Sault Ste. Marie	2,013	972	85	658	178	88	32
St. John's International	3,636	2,272	744	22	182	149	267
St-Jean	2,481	212	231	230	877	26	905
Thunder Bay	4,923	2,997	580	932	235	111	68
Toronto/Billy Bishop Toronto City	5,918	3,407	947	853	678	7	26
Toronto/Buttonville Municipal	4,870	138	2,345	147	2,186	54	0
Toronto/Lester B Pearson International	35,557	33,619	558	12	1,291	6	71
Vancouver Harbour	4,085	3,525	463	6	90	1	0
Vancouver International	25,475	22,090	1,941	145	850	434	15
Victoria International	7,914	3,346	2,167	809	1,484	36	72
Whitehorse International	2,283	1,067	535	93	449	10	129
Windsor	1,329	586	400	16	312	13	2
Winnipeg/James Armstrong Richardson International	10,167	8,841	311	71	438	224	282
Winnipeg/St. Andrews	3,859	652	2,063	824	301	11	8
Yellowknife	3,869	3,132	445	19	70	86	117
<b>Total of NAV CANADA towers (42)</b>	<b>272,771</b>	<b>170,511</b>	<b>38,107</b>	<b>25,902</b>	<b>28,559</b>	<b>4,673</b>	<b>5,019</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	1,293	118	239	27	504	18	387
Campbell River	1,541	591	298	169	426	31	26
Castlegar	985	293	131	468	73	12	8
Charlottetown	1,309	776	138	133	175	57	30
Churchill	923	792	55	10	46	18	2
Cranbrook	955	558	50	42	222	10	73
Deer Lake	1,306	975	213	32	30	50	6
Fort Nelson	2,093	361	1,473	28	200	8	23
Fort St John	1,904	810	715	38	324	4	13
Grande Prairie	2,618	1,241	663	135	407	12	160
High Level	1,080	354	654	4	57	11	0
Îles-de-la-Madeleine	405	235	71	28	15	52	4
Inuvik/Mike Zubko	1,541	1,129	285	0	8	20	99
Iqaluit	1,682	1,388	126	20	54	64	30
Kamloops	1,704	941	209	68	430	46	10
Kenora	957	430	278	15	156	30	48
Kingston	1,753	505	352	318	492	38	48
Kuujjuaq	1,113	845	200	10	34	18	6
La Grande Rivière	802	559	167	0	52	24	0
La Ronge	1,162	986	40	2	37	95	2
Lethbridge	1,201	412	74	255	432	17	11
Lloydminster	685	138	213	20	285	19	10
Medicine Hat	1,085	484	252	91	232	12	14
Mont-Joli	730	382	110	14	87	29	108
Montréal/Mirabel International	1,761	811	399	104	379	6	62
Nanaimo	2,153	507	668	158	740	37	43
Norman Wells	1,172	783	340	1	26	12	10
North Bay	1,453	655	312	129	270	36	51
Ottawa/Gatineau	1,664	258	341	232	780	35	18
Peace River	600	325	181	14	66	14	0
Penticton	1,454	364	521	59	464	14	32
Port Hardy	929	685	101	3	88	44	8
Prince Albert	1,607	1,293	35	44	122	103	10
Prince Rupert	321	200	42	2	45	30	2
Rankin Inlet	1,296	1,005	252	12	12	11	4
Red Deer Regional	1,632	326	489	99	677	28	13
Rouyn-Noranda	1,178	633	157	176	188	24	0
Saint John	1,309	788	144	42	322	2	11
Sept-Îles	2,434	1,277	864	29	167	88	9
Sioux Lookout	2,369	1,805	457	8	77	14	8
Smithers	1,082	506	320	10	139	10	97
St Catharines	1,380	42	830	43	443	13	9
Sudbury	2,359	1,570	403	39	254	84	9
Terrace	1,055	559	411	4	55	20	6
Thompson	2,972	2,525	268	5	22	152	0
Timmins	2,001	1,558	209	5	202	25	2
Val-d'Or	1,035	724	76	6	198	12	19
Victoria Harbour	2,627	2,225	4	0	332	66	0
Wabush	1,228	741	350	23	93	17	4
Whitecourt	792	28	550	116	90	8	0
Williams Lake	1,049	435	352	30	212	12	8
<b>Total of all flight service stations (51)</b>	<b>71,739</b>	<b>37,931</b>	<b>16,082</b>	<b>3,320</b>	<b>11,241</b>	<b>1,612</b>	<b>1,553</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	number	
Abbotsford	3,134	656	20.9	2,478	79.0	1,577
Boundary Bay	5,609	297	5.2	5,312	94.7	579
Calgary International	19,581	18,681	95.4	900	4.5	655
Calgary/Springbank	3,390	357	10.5	3,033	89.4	152
Chicoutimi/St-Honoré	1,891	180	9.5	1,711	90.4	157
Edmonton City Centre	4,883	2,137	43.7	2,746	56.2	1,283
Edmonton International	10,554	10,133	96.0	421	3.9	767
Edmonton/Villeneuve	2,499	42	1.6	2,457	98.3	119
Fort McMurray	5,075	1,934	38.1	3,141	61.8	280
Fredericton International	3,969	1,249	31.4	2,720	68.5	248
Gander International	1,982	1,179	59.4	803	40.5	182
Halifax/Robert L Stanfield International	7,200	6,637	92.1	563	7.8	301
Hamilton	2,669	2,127	79.6	542	20.3	925
Kelowna	4,018	2,472	61.5	1,546	38.4	795
Kitchener/Waterloo	3,279	667	20.3	2,612	79.6	592
Langley	3,088	74	2.3	3,014	97.6	611
London	5,354	1,724	32.2	3,630	67.7	606
Moncton/Greater Moncton International	4,925	2,218	45.0	2,707	54.9	248
Montréal/Pierre Elliott Trudeau International	18,729	17,965	95.9	764	4.0	1,473
Montréal/St-Hubert	6,350	1,616	25.4	4,734	74.5	836
Oshawa	2,251	171	7.5	2,080	92.4	503
Ottawa/Macdonald-Cartier International	11,110	8,580	77.2	2,530	22.7	950
Pitt Meadows	4,089	31	0.7	4,058	99.2	1,914
Prince George	2,176	1,382	63.5	794	36.4	345
Québec/Jean Lesage International	7,306	5,116	70.0	2,190	29.9	960
Regina International	3,801	2,734	71.9	1,067	28.0	118
Saskatoon/John G Diefenbaker International	5,480	3,598	65.6	1,882	34.3	302
Sault Ste. Marie	2,013	1,167	57.9	846	42.0	60
St. John's International	3,636	3,275	90.0	361	9.9	226
St-Jean	2,481	369	14.8	2,112	85.1	292
Thunder Bay	4,923	3,403	69.1	1,520	30.8	168
Toronto/Billy Bishop Toronto City	5,918	3,786	63.9	2,132	36.0	2,162
Toronto/Buttonville Municipal	4,870	717	14.7	4,153	85.2	1,009
Toronto/Lester B Pearson International	35,557	35,526	99.9	31	0.0	0
Vancouver Harbour	4,085	40	0.9	4,045	99.0	2,004
Vancouver International	25,475	20,542	80.6	4,933	19.3	7,163
Victoria International	7,914	3,755	47.4	4,159	52.5	3,569
Whitehorse International	2,283	697	30.5	1,586	69.4	750
Windsor	1,329	694	52.2	635	47.7	44
Winnipeg/James Armstrong Richardson International	10,167	9,300	91.4	867	8.5	299
Winnipeg/St. Andrews	3,859	140	3.6	3,719	96.3	116
Yellowknife	3,869	2,032	52.5	1,837	47.4	1,041
<b>Total of NAV CANADA towers (42)</b>	<b>272,771</b>	<b>179,400</b>	<b>65.8</b>	<b>93,371</b>	<b>34.2</b>	<b>36,381</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	number	
Brandon Municipal	1,293	224	17.3	1,069	82.6	45
Campbell River	1,541	507	32.9	1,034	67.0	420
Castlegar	985	306	31.0	679	68.9	115
Charlottetown	1,309	937	71.5	372	28.4	30
Churchill	923	827	89.5	96	10.4	196
Cranbrook	955	619	64.8	336	35.1	141
Deer Lake	1,306	1,144	87.5	162	12.4	60
Fort Nelson	2,093	418	19.9	1,675	80.0	272
Fort St John	1,904	859	45.1	1,045	54.8	143
Grande Prairie	2,618	1,410	53.8	1,208	46.1	190
High Level	1,080	254	23.5	826	76.4	355
Îles-de-la-Madeleine	405	324	80.0	81	20.0	5
Inuvik/Mike Zubko	1,541	455	29.5	1,086	70.4	41
Iqaluit	1,682	1,250	74.3	432	25.6	0
Kamloops	1,704	996	58.4	708	41.5	310
Kenora	957	567	59.2	390	40.7	250
Kingston	1,753	638	36.3	1,115	63.6	233
Kuujuaq	1,113	458	41.1	655	58.8	381
La Grande Rivière	802	637	79.4	165	20.5	225
La Ronge	1,162	672	57.8	490	42.1	645
Lethbridge	1,201	581	48.3	620	51.6	51
Lloydminster	685	245	35.7	440	64.2	37
Medicine Hat	1,085	378	34.8	707	65.1	186
Mont-Joli	730	507	69.4	223	30.5	23
Montréal/Mirabel International	1,761	1,049	59.5	712	40.4	875
Nanaimo	2,153	731	33.9	1,422	66.0	795
Norman Wells	1,172	231	19.7	941	80.2	211
North Bay	1,453	783	53.8	670	46.1	520
Ottawa/Gatineau	1,664	224	13.4	1,440	86.5	331
Peace River	600	343	57.1	257	42.8	56
Penticton	1,454	309	21.2	1,145	78.7	197
Port Hardy	929	342	36.8	587	63.1	313
Prince Albert	1,607	1,332	82.8	275	17.1	125
Prince Rupert	321	222	69.1	99	30.8	10
Rankin Inlet	1,296	988	76.2	308	23.7	154
Red Deer Regional	1,632	367	22.4	1,265	77.5	324
Rouyn-Noranda	1,178	864	73.3	314	26.6	96
Saint John	1,309	1,010	77.1	299	22.8	47
Sept-Îles	2,434	1,722	70.7	712	29.2	272
Sioux Lookout	2,369	1,924	81.2	445	18.7	824
Smithers	1,082	500	46.2	582	53.7	742
St Catharines	1,380	148	10.7	1,232	89.2	316
Sudbury	2,359	1,820	77.1	539	22.8	135
Terrace	1,055	562	53.2	493	46.7	249
Thompson	2,972	1,992	67.0	980	32.9	336
Timmins	2,001	1,777	88.8	224	11.1	153
Val-d'Or	1,035	771	74.4	264	25.5	461
Victoria Harbour	2,627	45	1.7	2,582	98.2	645
Wabush	1,228	1,040	84.6	188	15.3	1,075
Whitecourt	792	67	8.4	725	91.5	145
Williams Lake	1,049	472	44.9	577	55.0	292
<b>Total of all flight service stations (51)</b>	<b>71,739</b>	<b>36,848</b>	<b>51.4</b>	<b>34,891</b>	<b>48.6</b>	<b>14,053</b>

1. Total excludes runway 88 flights.

**Table 5-1**  
**Itinerant movements by type of power plant — NAV CANADA towers**

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
number						
Abbotsford	3,134	428	191	1,932	583	0
Boundary Bay	5,609	6	36	5,350	217	0
Calgary International	19,581	13,283	5,220	441	637	0
Calgary/Springbank	3,390	17	103	2,725	545	0
Chicoutimi/St-Honoré	1,891	3	121	1,453	314	0
Edmonton City Centre	4,883	286	1,644	2,119	834	0
Edmonton International	10,554	7,006	3,084	399	65	0
Edmonton/Villeneuve	2,499	13	25	1,712	130	619
Fort McMurray	5,075	1,158	1,306	1,063	1,548	0
Fredericton International	3,969	399	637	2,801	132	0
Gander International	1,982	604	565	537	276	0
Halifax/Robert L Stanfield International	7,200	4,076	2,466	336	322	0
Hamilton	2,669	1,395	767	422	85	0
Kelowna	4,018	1,004	1,519	1,271	224	0
Kitchener/Waterloo	3,279	185	328	2,454	312	0
Langley	3,085	0	89	2,530	466	0
London	5,353	660	1,031	3,493	169	0
Moncton/Greater Moncton International	4,925	1,068	758	3,021	78	0
Montréal/Pierre Elliott Trudeau International	18,729	12,229	5,627	493	380	0
Montréal/St-Hubert	6,350	253	882	4,952	263	0
Oshawa	2,251	2	26	2,129	93	1
Ottawa/Macdonald-Cartier International	11,109	5,803	2,668	2,417	221	0
Pitt Meadows	4,089	6	4	3,617	276	186
Prince George	2,176	449	1,001	456	250	20
Québec/Jean Lesage International	7,306	1,598	3,270	1,816	622	0
Regina International	3,797	1,871	751	1,129	46	0
Saskatoon/John G Diefenbaker International	5,480	1,689	1,786	1,980	25	0
Sault Ste. Marie	2,013	52	1,085	830	46	0
St. John's International	3,636	1,558	1,563	74	441	0
St-Jean	2,478	0	114	1,770	98	496
Thunder Bay	4,923	803	2,575	1,184	361	0
Toronto/Billy Bishop Toronto City	5,918	1	3,688	1,797	428	4
Toronto/Buttonville Municipal	4,870	58	261	4,401	150	0
Toronto/Lester B Pearson International	35,557	29,577	5,929	48	3	0
Vancouver Harbour	4,085	0	2,360	1,098	627	0
Vancouver International	25,475	11,959	9,693	2,873	950	0
Victoria International	7,914	1,294	2,324	3,736	560	0
Whitehorse International	2,283	424	638	862	359	0
Windsor	1,329	126	529	651	23	0
Winnipeg/James Armstrong Richardson International	10,167	5,159	4,203	717	88	0
Winnipeg/St. Andrews	3,859	1	621	3,123	114	0
Yellowknife	3,869	686	2,442	306	435	0
<b>Total of NAV CANADA towers (42)</b>	<b>272,759</b>	<b>107,189</b>	<b>73,930</b>	<b>76,518</b>	<b>13,796</b>	<b>1,326</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	1,293	45	210	765	38	235
Campbell River	1,541	30	639	540	332	0
Castlegar	985	17	319	534	115	0
Charlottetown	1,309	505	353	384	67	0
Churchill	923	60	798	14	51	0
Cranbrook	955	22	537	305	36	55
Deer Lake	1,306	278	868	104	56	0
Fort Nelson	2,093	66	363	390	1,274	0
Fort St John	1,904	294	579	431	599	1
Grande Prairie	2,616	228	1,070	657	501	160
High Level	1,080	28	421	400	231	0
Îles-de-la-Madeleine	405	26	279	94	6	0
Inuvik/Mike Zubko	1,541	177	833	246	285	0
Iqaluit	1,682	415	1,180	25	62	0
Kamloops	1,704	123	862	462	257	0
Kenora	957	44	504	240	169	0
Kingston	1,753	20	548	1,059	126	0
Kuujuaq	1,113	134	791	22	166	0
La Grande Rivière	802	48	650	48	56	0
La Ronge	1,162	10	904	226	22	0
Lethbridge	1,200	50	461	612	77	0
Lloydminster	685	20	219	420	26	0
Medicine Hat	1,085	31	518	473	63	0
Mont-Joli	730	30	477	155	19	49
Montréal/Mirabel International	1,761	569	353	525	314	0
Nanaimo	2,153	20	523	1,510	82	18
Norman Wells	1,172	208	383	245	336	0
North Bay	1,453	44	771	235	387	16
Ottawa/Gatineau	1,608	23	145	1,327	113	0
Peace River	600	22	305	109	164	0
Penticton	1,454	25	381	694	353	1
Port Hardy	929	30	580	181	138	0
Prince Albert	1,607	16	1,313	219	59	0
Prince Rupert	321	22	222	21	56	0
Rankin Inlet	1,296	159	879	10	248	0
Red Deer Regional	1,632	49	391	1,103	89	0
Rouyn-Noranda	1,178	85	782	293	18	0
Saint John	1,309	388	525	329	67	0
Sept-Îles	2,434	49	1,637	383	365	0
Sioux Lookout	2,369	2	2,006	337	24	0
Smithers	1,082	35	570	200	229	48
St Catharines	1,380	39	57	933	351	0
Sudbury	2,359	30	1,754	319	256	0
Terrace	1,055	20	578	42	415	0
Thompson	2,972	20	2,413	398	141	0
Timmins	2,001	43	1,771	164	23	0
Val-d'Or	1,035	70	698	203	64	0
Victoria Harbour	2,627	0	1,867	222	538	0
Wabush	1,228	30	950	99	149	0
Whitecourt	792	0	76	89	627	0
Williams Lake	1,049	18	452	218	361	0
<b>Total of all flight service stations (51)</b>	<b>71,680</b>	<b>4,717</b>	<b>36,765</b>	<b>19,014</b>	<b>10,601</b>	<b>583</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	2,160	344	96	36	18	56	407	17	0	0
Boundary Bay	5,092	471	29	8	5	2	2	0	0	0
Calgary International	627	516	1,384	1,820	1,083	4,631	7,872	696	224	728
Calgary/Springbank	2,958	300	105	22	5	0	0	0	0	0
Chicoutimi/St-Honoré	1,555	212	119	3	0	0	0	2	0	0
Edmonton City Centre	2,380	613	1,483	257	114	28	0	8	0	0
Edmonton International	310	171	438	1,034	470	2,523	4,866	472	166	104
Edmonton/Villeneuve	2,367	99	32	0	0	1	0	0	0	0
Fort McMurray	2,329	756	404	356	97	723	410	0	0	0
Fredericton International	2,759	137	225	259	162	426	0	1	0	0
Gander International	572	59	76	442	381	325	20	40	15	52
Halifax/Robert L Stanfield International	156	377	334	878	958	1,691	2,009	458	166	173
Hamilton	320	435	195	341	261	49	454	10	507	97
Kelowna	1,318	153	280	542	73	806	831	7	8	0
Kitchener/Waterloo	2,623	153	310	46	31	40	72	4	0	0
Langley	2,905	176	5	0	2	0	0	0	0	0
London	3,437	287	312	59	528	485	241	5	0	0
Moncton/Greater Moncton International	2,955	147	263	314	177	408	391	0	270	0
Montréal/Pierre Elliott Trudeau International	579	211	653	849	2,840	6,177	4,347	1,291	8	1,774
Montréal/St-Hubert	4,547	590	721	311	149	11	6	5	10	0
Oshawa	2,071	137	37	2	2	0	0	2	0	0
Ottawa/Macdonald-Cartier International	2,371	187	1,008	181	451	3,535	2,571	520	52	234
Pitt Meadows	3,876	197	14	0	2	0	0	0	0	0
Prince George	576	209	163	649	12	392	175	0	0	0
Québec/Jean Lesage International	1,959	479	808	539	1,375	1,582	484	2	0	78
Regina International	942	252	435	340	41	1,049	656	2	84	0
Saskatoon/John G Diefenbaker International	1,708	326	791	633	201	1,087	707	4	23	0
Sault Ste. Marie	790	180	559	58	376	48	0	2	0	0
St. John's International	57	24	331	592	786	403	1,012	324	81	26
St-Jean	2,185	168	126	2	0	0	0	0	0	0
Thunder Bay	1,277	287	2,030	254	31	537	503	4	0	0
Toronto/Billy Bishop Toronto City	1,805	274	617	43	12	3,163	0	4	0	0
Toronto/Buttonville Municipal	4,233	397	167	53	11	9	0	0	0	0
Toronto/Lester B Pearson International	9	149	313	2,098	4,446	6,992	13,516	4,100	391	3,543
Vancouver Harbour	125	2,979	981	0	0	0	0	0	0	0
Vancouver International	992	3,758	1,033	2,724	1,897	4,976	6,333	1,372	400	1,990
Victoria International	3,403	1,063	244	461	828	1,205	613	63	34	0
Whitehorse International	1,048	305	239	99	47	251	252	22	0	20
Windsor	601	110	65	57	311	121	62	0	2	0
Winnipeg/James Armstrong Richardson International	449	426	2,789	447	867	1,832	2,296	363	640	58
Winnipeg/St. Andrews	2,839	895	120	2	3	0	0	0	0	0
Yellowknife	480	640	872	200	237	773	513	154	0	0
Total of NAV CANADA towers (42)	75,745	19,649	21,206	17,011	19,290	46,337	51,621	9,954	3,081	8,877

**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	977	51	164	42	17	0	0	42	0	0
Campbell River	754	88	73	448	164	12	2	0	0	0
Castlegar	588	61	27	74	61	167	7	0	0	0
Charlottetown	340	165	71	44	228	384	75	0	2	0
Churchill	53	12	158	132	108	444	14	2	0	0
Cranbrook	321	71	53	279	113	116	2	0	0	0
Deer Lake	80	69	56	331	498	134	138	0	0	0
Fort Nelson	1,283	193	293	158	120	26	20	0	0	0
Fort St John	956	65	173	274	150	284	2	0	0	0
Grande Prairie	1,087	226	403	243	27	487	145	0	0	0
High Level	536	265	138	137	4	0	0	0	0	0
Îles-de-la-Madeleine	15	85	30	93	109	71	2	0	0	0
Inuvik/Mike Zubko	471	16	749	2	51	112	107	33	0	0
Iqaluit	25	18	555	129	214	370	299	14	0	58
Kamloops	581	80	117	328	125	403	70	0	0	0
Kenora	223	56	602	28	38	10	0	0	0	0
Kingston	1,074	60	155	291	153	18	0	2	0	0
Kuujjuaq	168	16	651	0	106	64	89	1	0	18
La Grande Rivière	64	40	139	8	115	412	24	0	0	0
La Ronge	69	163	538	80	194	118	0	0	0	0
Lethbridge	532	160	105	317	56	31	0	0	0	0
Lloydminster	407	65	92	108	7	6	0	0	0	0
Medicine Hat	449	116	211	284	22	2	1	0	0	0
Mont-Joli	195	28	155	178	122	48	4	0	0	0
Montréal/Mirabel International	651	202	66	148	24	221	30	6	285	128
Nanaimo	1,037	562	90	63	29	372	0	0	0	0
Norman Wells	491	194	238	3	5	43	198	0	0	0
North Bay	593	206	300	64	179	101	0	10	0	0
Ottawa/Gatineau	1,141	316	120	51	9	15	0	12	0	0
Peace River	204	70	290	24	12	0	0	0	0	0
Penticton	911	136	65	134	13	182	11	0	2	0
Port Hardy	134	175	333	95	180	12	0	0	0	0
Prince Albert	200	65	305	306	268	463	0	0	0	0
Prince Rupert	35	48	26	26	72	114	0	0	0	0
Rankin Inlet	192	64	277	177	206	230	144	6	0	0
Red Deer Regional	1,072	114	195	68	171	8	4	0	0	0
Rouyn-Noranda	303	10	404	4	217	179	61	0	0	0
Saint John	228	172	124	234	159	354	38	0	0	0
Sept-Îles	519	231	616	480	561	27	0	0	0	0
Sioux Lookout	86	307	1,191	783	0	2	0	0	0	0
Smithers	437	99	104	244	73	125	0	0	0	0
St Catharines	1,193	88	56	12	21	10	0	0	0	0
Sudbury	279	271	1,213	88	394	108	4	2	0	0
Terrace	389	64	128	162	131	181	0	0	0	0
Thompson	210	441	1,514	24	157	622	0	4	0	0
Timmins	132	187	1,004	76	457	145	0	0	0	0
Val-d'Or	227	42	249	27	301	124	17	0	0	48
Victoria Harbour	12	1,691	924	0	0	0	0	0	0	0
Wabush	140	97	318	293	363	17	0	0	0	0
Whitecourt	701	13	60	18	0	0	0	0	0	0
Williams Lake	494	74	51	403	15	2	10	0	0	0
<b>Total of all flight service stations (51)</b>	<b>23,259</b>	<b>8,108</b>	<b>15,969</b>	<b>8,015</b>	<b>6,819</b>	<b>7,376</b>	<b>1,518</b>	<b>134</b>	<b>289</b>	<b>252</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	3,076	423	1,516	329	712	75	21
Transborder	58	8	0	1	48	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,134</b>	<b>431</b>	<b>1,516</b>	<b>330</b>	<b>760</b>	<b>75</b>	<b>22</b>
<b>Boundary Bay</b>							
Domestic	5,493	5	1,165	3,238	1,049	28	8
Transborder	116	0	8	35	72	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>5,609</b>	<b>5</b>	<b>1,173</b>	<b>3,273</b>	<b>1,121</b>	<b>28</b>	<b>9</b>
<b>Calgary International</b>							
Domestic	15,716	13,530	713	411	854	155	53
Transborder	3,285	2,925	52	2	304	0	2
Other international	580	568	2	2	7	0	1
<b>Total</b>	<b>19,581</b>	<b>17,023</b>	<b>767</b>	<b>415</b>	<b>1,165</b>	<b>155</b>	<b>56</b>
<b>Calgary/Springbank</b>							
Domestic	3,318	27	486	1,689	1,088	24	4
Transborder	71	3	2	2	64	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>3,390</b>	<b>30</b>	<b>488</b>	<b>1,691</b>	<b>1,153</b>	<b>24</b>	<b>4</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	1,891	402	73	1,209	203	2	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,891</b>	<b>402</b>	<b>73</b>	<b>1,209</b>	<b>203</b>	<b>2</b>	<b>2</b>
<b>Edmonton City Centre</b>							
Domestic	4,851	1,512	562	1,466	813	480	18
Transborder	32	5	1	0	25	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,883</b>	<b>1,517</b>	<b>563</b>	<b>1,466</b>	<b>838</b>	<b>480</b>	<b>19</b>
<b>Edmonton International</b>							
Domestic	9,207	8,310	242	190	403	11	51
Transborder	1,246	1,149	5	2	88	0	2
Other international	101	99	1	0	1	0	0
<b>Total</b>	<b>10,554</b>	<b>9,558</b>	<b>248</b>	<b>192</b>	<b>492</b>	<b>11</b>	<b>53</b>
<b>Edmonton/Villeneuve</b>							
Domestic	2,493	3	53	696	407	62	1,272
Transborder	3	0	0	1	2	0	0
Other international	3	0	0	1	1	0	1
<b>Total</b>	<b>2,499</b>	<b>3</b>	<b>53</b>	<b>698</b>	<b>410</b>	<b>62</b>	<b>1,273</b>
<b>Fort McMurray</b>							
Domestic	5,063	1,558	2,752	249	446	50	8
Transborder	3	0	1	0	2	0	0
Other international	9	0	8	0	1	0	0
<b>Total</b>	<b>5,075</b>	<b>1,558</b>	<b>2,761</b>	<b>249</b>	<b>449</b>	<b>50</b>	<b>8</b>
<b>Fredericton International</b>							
Domestic	3,926	860	2,787	5	118	73	83
Transborder	42	3	3	0	35	0	1
Other international	1	0	0	0	0	0	1
<b>Total</b>	<b>3,969</b>	<b>863</b>	<b>2,790</b>	<b>5</b>	<b>153</b>	<b>73</b>	<b>85</b>
<b>Gander International</b>							
Domestic	1,508	369	841	7	62	96	133
Transborder	224	47	0	11	139	1	26
Other international	250	68	0	10	143	1	28
<b>Total</b>	<b>1,982</b>	<b>484</b>	<b>841</b>	<b>28</b>	<b>344</b>	<b>98</b>	<b>187</b>

**Table 7-1 – continued****Itinerant movements, domestic, transborder and international — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI		Civil	Military	
number							
<b>Halifax/Robert L Stanfield International</b>							
Domestic	5,990	5,030	424	74	217	42	203
Transborder	1,020	893	4	3	101	1	18
Other international	190	160	0	2	18	0	10
<b>Total</b>	<b>7,200</b>	<b>6,083</b>	<b>428</b>	<b>79</b>	<b>336</b>	<b>43</b>	<b>231</b>
<b>Hamilton</b>							
Domestic	2,027	1,424	107	10	188	291	7
Transborder	613	463	20	1	128	1	0
Other international	29	23	1	0	5	0	0
<b>Total</b>	<b>2,669</b>	<b>1,910</b>	<b>128</b>	<b>11</b>	<b>321</b>	<b>292</b>	<b>7</b>
<b>Kelowna</b>							
Domestic	3,821	2,608	217	341	549	88	18
Transborder	196	128	5	0	61	0	2
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>4,018</b>	<b>2,736</b>	<b>222</b>	<b>341</b>	<b>611</b>	<b>88</b>	<b>20</b>
<b>Kitchener/Waterloo</b>							
Domestic	3,085	316	1,863	70	826	6	4
Transborder	193	45	20	2	126	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>3,279</b>	<b>361</b>	<b>1,883</b>	<b>72</b>	<b>953</b>	<b>6</b>	<b>4</b>
<b>Langley</b>							
Domestic	3,084	96	216	1,573	1,166	33	0
Transborder	4	0	0	1	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,088</b>	<b>96</b>	<b>216</b>	<b>1,574</b>	<b>1,169</b>	<b>33</b>	<b>0</b>
<b>London</b>							
Domestic	4,911	1,071	962	2,154	607	107	10
Transborder	442	321	3	5	112	0	1
Other international	1	0	0	1	0	0	0
<b>Total</b>	<b>5,354</b>	<b>1,392</b>	<b>965</b>	<b>2,160</b>	<b>719</b>	<b>107</b>	<b>11</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	4,842	1,543	2,896	11	175	202	15
Transborder	83	67	1	0	15	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,925</b>	<b>1,610</b>	<b>2,897</b>	<b>11</b>	<b>190</b>	<b>202</b>	<b>15</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	10,645	8,706	810	21	905	191	12
Transborder	6,042	5,418	122	10	487	1	4
Other international	2,042	1,919	21	17	81	2	2
<b>Total</b>	<b>18,729</b>	<b>16,043</b>	<b>953</b>	<b>48</b>	<b>1,473</b>	<b>194</b>	<b>18</b>
<b>Montréal/St-Hubert</b>							
Domestic	6,187	3,009	523	1,455	1,078	56	66
Transborder	151	17	4	1	127	0	2
Other international	12	0	4	1	5	0	2
<b>Total</b>	<b>6,350</b>	<b>3,026</b>	<b>531</b>	<b>1,457</b>	<b>1,210</b>	<b>56</b>	<b>70</b>
<b>Oshawa</b>							
Domestic	2,215	27	116	1,297	694	72	9
Transborder	24	2	0	0	22	0	0
Other international	12	0	0	1	11	0	0
<b>Total</b>	<b>2,251</b>	<b>29</b>	<b>116</b>	<b>1,298</b>	<b>727</b>	<b>72</b>	<b>9</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	8,916	5,717	305	2,118	317	265	194
Transborder	2,038	1,855	16	5	131	12	19
Other international	156	134	1	0	7	0	14
<b>Total</b>	<b>11,110</b>	<b>7,706</b>	<b>322</b>	<b>2,123</b>	<b>455</b>	<b>277</b>	<b>227</b>

**Table 7-1 – continued****Itinerant movements, domestic, transborder and international — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Pitt Meadows</b>							
Domestic	4,071	10	905	1,490	1,221	42	403
Transborder	18	0	0	0	18	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,089</b>	<b>10</b>	<b>905</b>	<b>1,490</b>	<b>1,239</b>	<b>42</b>	<b>403</b>
<b>Prince George</b>							
Domestic	2,148	1,240	368	22	400	80	38
Transborder	28	0	0	0	28	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,176</b>	<b>1,240</b>	<b>368</b>	<b>22</b>	<b>428</b>	<b>80</b>	<b>38</b>
<b>Québec/Jean Lesage International</b>							
Domestic	6,492	3,456	1,535	188	888	310	115
Transborder	725	632	4	3	85	1	0
Other international	89	72	2	0	14	0	1
<b>Total</b>	<b>7,306</b>	<b>4,160</b>	<b>1,541</b>	<b>191</b>	<b>987</b>	<b>311</b>	<b>116</b>
<b>Regina International</b>							
Domestic	3,339	1,972	654	52	359	231	71
Transborder	461	370	3	0	81	2	5
Other international	1	0	0	1	0	0	0
<b>Total</b>	<b>3,801</b>	<b>2,342</b>	<b>657</b>	<b>53</b>	<b>440</b>	<b>233</b>	<b>76</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	5,187	2,795	884	578	546	323	61
Transborder	293	242	3	1	46	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>5,480</b>	<b>3,037</b>	<b>887</b>	<b>579</b>	<b>592</b>	<b>323</b>	<b>62</b>
<b>Sault Ste. Marie</b>							
Domestic	1,976	967	83	656	155	83	32
Transborder	31	5	2	2	22	0	0
Other international	6	0	0	0	1	5	0
<b>Total</b>	<b>2,013</b>	<b>972</b>	<b>85</b>	<b>658</b>	<b>178</b>	<b>88</b>	<b>32</b>
<b>St. John's International</b>							
Domestic	3,125	2,104	722	6	87	146	60
Transborder	223	69	1	6	44	0	103
Other international	288	99	21	10	51	3	104
<b>Total</b>	<b>3,636</b>	<b>2,272</b>	<b>744</b>	<b>22</b>	<b>182</b>	<b>149</b>	<b>267</b>
<b>St-Jean</b>							
Domestic	2,481	212	231	230	877	26	905
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,481</b>	<b>212</b>	<b>231</b>	<b>230</b>	<b>877</b>	<b>26</b>	<b>905</b>
<b>Thunder Bay</b>							
Domestic	4,819	2,925	579	930	206	111	68
Transborder	104	72	1	2	29	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,923</b>	<b>2,997</b>	<b>580</b>	<b>932</b>	<b>235</b>	<b>111</b>	<b>68</b>
<b>Toronto/Billy Bishop Toronto City</b>							
Domestic	4,675	2,332	930	849	531	7	26
Transborder	1,241	1,075	17	4	145	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>5,918</b>	<b>3,407</b>	<b>947</b>	<b>853</b>	<b>678</b>	<b>7</b>	<b>26</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	4,651	115	2,322	146	2,014	54	0
Transborder	216	23	23	1	169	0	0
Other international	3	0	0	0	3	0	0
<b>Total</b>	<b>4,870</b>	<b>138</b>	<b>2,345</b>	<b>147</b>	<b>2,186</b>	<b>54</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	15,559	14,805	305	5	371	6	67
Transborder	15,622	14,494	228	3	895	0	2
Other international	4,376	4,320	25	4	25	0	2
<b>Total</b>	<b>35,557</b>	<b>33,619</b>	<b>558</b>	<b>12</b>	<b>1,291</b>	<b>6</b>	<b>71</b>
<b>Vancouver Harbour</b>							
Domestic	4,078	3,524	463	6	84	1	0
Transborder	6	0	0	0	6	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>4,085</b>	<b>3,525</b>	<b>463</b>	<b>6</b>	<b>90</b>	<b>1</b>	<b>0</b>
<b>Vancouver International</b>							
Domestic	19,329	16,355	1,905	118	508	431	12
Transborder	4,692	4,296	30	22	340	2	2
Other international	1,454	1,439	6	5	2	1	1
<b>Total</b>	<b>25,475</b>	<b>22,090</b>	<b>1,941</b>	<b>145</b>	<b>850</b>	<b>434</b>	<b>15</b>
<b>Victoria International</b>							
Domestic	7,221	2,889	2,154	806	1,268	36	68
Transborder	692	457	12	3	216	0	4
Other international	1	0	1	0	0	0	0
<b>Total</b>	<b>7,914</b>	<b>3,346</b>	<b>2,167</b>	<b>809</b>	<b>1,484</b>	<b>36</b>	<b>72</b>
<b>Whitehorse International</b>							
Domestic	2,170	1,047	531	92	371	10	119
Transborder	104	11	4	1	78	0	10
Other international	9	9	0	0	0	0	0
<b>Total</b>	<b>2,283</b>	<b>1,067</b>	<b>535</b>	<b>93</b>	<b>449</b>	<b>10</b>	<b>129</b>
<b>Windsor</b>							
Domestic	1,248	563	384	16	272	13	0
Transborder	81	23	16	0	40	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,329</b>	<b>586</b>	<b>400</b>	<b>16</b>	<b>312</b>	<b>13</b>	<b>2</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	9,010	7,826	301	62	321	224	276
Transborder	1,149	1,011	10	9	115	0	4
Other international	8	4	0	0	2	0	2
<b>Total</b>	<b>10,167</b>	<b>8,841</b>	<b>311</b>	<b>71</b>	<b>438</b>	<b>224</b>	<b>282</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,850	652	2,059	823	297	11	8
Transborder	9	0	4	1	4	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,859</b>	<b>652</b>	<b>2,063</b>	<b>824</b>	<b>301</b>	<b>11</b>	<b>8</b>
<b>Yellowknife</b>							
Domestic	3,859	3,129	443	19	68	86	114
Transborder	4	1	0	0	1	0	2
Other international	6	2	2	0	1	0	1
<b>Total</b>	<b>3,869</b>	<b>3,132</b>	<b>445</b>	<b>19</b>	<b>70</b>	<b>86</b>	<b>117</b>
<b>Total of NAV CANADA towers (42)</b>							
Domestic	221,553	125,464	37,387	25,707	23,721	4,640	4,634
Transborder	41,585	36,130	625	140	4,454	21	215
Other international	9,633	8,917	95	55	384	12	170
<b>Total</b>	<b>272,771</b>	<b>170,511</b>	<b>38,107</b>	<b>25,902</b>	<b>28,559</b>	<b>4,673</b>	<b>5,019</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	1,276	118	239	27	487	18	387
Transborder	17	0	0	0	17	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,293</b>	<b>118</b>	<b>239</b>	<b>27</b>	<b>504</b>	<b>18</b>	<b>387</b>
<b>Campbell River</b>							
Domestic	1,483	588	297	169	376	31	22
Transborder	58	3	1	0	50	0	4
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,541</b>	<b>591</b>	<b>298</b>	<b>169</b>	<b>426</b>	<b>31</b>	<b>26</b>
<b>Castlegar</b>							
Domestic	967	293	131	468	55	12	8
Transborder	18	0	0	0	18	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>985</b>	<b>293</b>	<b>131</b>	<b>468</b>	<b>73</b>	<b>12</b>	<b>8</b>
<b>Charlottetown</b>							
Domestic	1,279	774	136	133	149	57	30
Transborder	29	1	2	0	26	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,309</b>	<b>776</b>	<b>138</b>	<b>133</b>	<b>175</b>	<b>57</b>	<b>30</b>
<b>Churchill</b>							
Domestic	923	792	55	10	46	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>923</b>	<b>792</b>	<b>55</b>	<b>10</b>	<b>46</b>	<b>18</b>	<b>2</b>
<b>Cranbrook</b>							
Domestic	931	557	47	42	202	10	73
Transborder	24	1	3	0	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>955</b>	<b>558</b>	<b>50</b>	<b>42</b>	<b>222</b>	<b>10</b>	<b>73</b>
<b>Deer Lake</b>							
Domestic	1,303	974	212	32	29	50	6
Transborder	1	1	0	0	0	0	0
Other international	2	0	1	0	1	0	0
<b>Total</b>	<b>1,306</b>	<b>975</b>	<b>213</b>	<b>32</b>	<b>30</b>	<b>50</b>	<b>6</b>
<b>Fort Nelson</b>							
Domestic	2,093	361	1,473	28	200	8	23
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,093</b>	<b>361</b>	<b>1,473</b>	<b>28</b>	<b>200</b>	<b>8</b>	<b>23</b>
<b>Fort St John</b>							
Domestic	1,903	809	715	38	324	4	13
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,904</b>	<b>810</b>	<b>715</b>	<b>38</b>	<b>324</b>	<b>4</b>	<b>13</b>
<b>Grande Prairie</b>							
Domestic	2,615	1,241	663	135	404	12	160
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,618</b>	<b>1,241</b>	<b>663</b>	<b>135</b>	<b>407</b>	<b>12</b>	<b>160</b>
<b>High Level</b>							
Domestic	1,078	354	654	4	55	11	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,080</b>	<b>354</b>	<b>654</b>	<b>4</b>	<b>57</b>	<b>11</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	400	235	71	28	10	52	4
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>405</b>	<b>235</b>	<b>71</b>	<b>28</b>	<b>15</b>	<b>52</b>	<b>4</b>
<b>Inuvik/Mike Zubko</b>							
Domestic	1,541	1,129	285	0	8	20	99
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,541</b>	<b>1,129</b>	<b>285</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>99</b>
<b>Iqaluit</b>							
Domestic	1,581	1,346	109	14	27	64	21
Transborder	39	22	10	0	7	0	0
Other international	62	20	7	6	20	0	9
<b>Total</b>	<b>1,682</b>	<b>1,388</b>	<b>126</b>	<b>20</b>	<b>54</b>	<b>64</b>	<b>30</b>
<b>Kamloops</b>							
Domestic	1,686	940	209	68	415	46	8
Transborder	18	1	0	0	15	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,704</b>	<b>941</b>	<b>209</b>	<b>68</b>	<b>430</b>	<b>46</b>	<b>10</b>
<b>Kenora</b>							
Domestic	880	423	278	15	86	30	48
Transborder	77	7	0	0	70	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>957</b>	<b>430</b>	<b>278</b>	<b>15</b>	<b>156</b>	<b>30</b>	<b>48</b>
<b>Kingston</b>							
Domestic	1,725	503	351	318	467	38	48
Transborder	28	2	1	0	25	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,753</b>	<b>505</b>	<b>352</b>	<b>318</b>	<b>492</b>	<b>38</b>	<b>48</b>
<b>Kuujjuaq</b>							
Domestic	1,109	845	200	10	30	18	6
Transborder	2	0	0	0	2	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>1,113</b>	<b>845</b>	<b>200</b>	<b>10</b>	<b>34</b>	<b>18</b>	<b>6</b>
<b>La Grande Rivière</b>							
Domestic	802	559	167	0	52	24	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>802</b>	<b>559</b>	<b>167</b>	<b>0</b>	<b>52</b>	<b>24</b>	<b>0</b>
<b>La Ronge</b>							
Domestic	1,161	986	40	2	36	95	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,162</b>	<b>986</b>	<b>40</b>	<b>2</b>	<b>37</b>	<b>95</b>	<b>2</b>
<b>Lethbridge</b>							
Domestic	1,103	408	72	251	346	17	9
Transborder	98	4	2	4	86	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,201</b>	<b>412</b>	<b>74</b>	<b>255</b>	<b>432</b>	<b>17</b>	<b>11</b>
<b>Lloydminster</b>							
Domestic	682	137	213	20	283	19	10
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>685</b>	<b>138</b>	<b>213</b>	<b>20</b>	<b>285</b>	<b>19</b>	<b>10</b>

**Table 7-2 – continued****Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Medicine Hat</b>							
Domestic	1,074	483	251	91	226	12	11
Transborder	11	1	1	0	6	0	3
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,085</b>	<b>484</b>	<b>252</b>	<b>91</b>	<b>232</b>	<b>12</b>	<b>14</b>
<b>Mont-Joli</b>							
Domestic	729	382	110	13	87	29	108
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>730</b>	<b>382</b>	<b>110</b>	<b>14</b>	<b>87</b>	<b>29</b>	<b>108</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,571	643	399	102	360	6	61
Transborder	185	165	0	1	18	0	1
Other international	5	3	0	1	1	0	0
<b>Total</b>	<b>1,761</b>	<b>811</b>	<b>399</b>	<b>104</b>	<b>379</b>	<b>6</b>	<b>62</b>
<b>Nanaimo</b>							
Domestic	2,099	497	665	156	701	37	43
Transborder	54	10	3	2	39	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,153</b>	<b>507</b>	<b>668</b>	<b>158</b>	<b>740</b>	<b>37</b>	<b>43</b>
<b>Norman Wells</b>							
Domestic	1,172	783	340	1	26	12	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,172</b>	<b>783</b>	<b>340</b>	<b>1</b>	<b>26</b>	<b>12</b>	<b>10</b>
<b>North Bay</b>							
Domestic	1,425	655	303	129	251	36	51
Transborder	28	0	9	0	19	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,453</b>	<b>655</b>	<b>312</b>	<b>129</b>	<b>270</b>	<b>36</b>	<b>51</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,653	258	340	232	770	35	18
Transborder	11	0	1	0	10	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,664</b>	<b>258</b>	<b>341</b>	<b>232</b>	<b>780</b>	<b>35</b>	<b>18</b>
<b>Peace River</b>							
Domestic	590	324	181	14	57	14	0
Transborder	10	1	0	0	9	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>600</b>	<b>325</b>	<b>181</b>	<b>14</b>	<b>66</b>	<b>14</b>	<b>0</b>
<b>Penticton</b>							
Domestic	1,430	364	520	58	442	14	32
Transborder	24	0	1	1	22	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,454</b>	<b>364</b>	<b>521</b>	<b>59</b>	<b>464</b>	<b>14</b>	<b>32</b>
<b>Port Hardy</b>							
Domestic	902	681	100	3	66	44	8
Transborder	27	4	1	0	22	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>929</b>	<b>685</b>	<b>101</b>	<b>3</b>	<b>88</b>	<b>44</b>	<b>8</b>
<b>Prince Albert</b>							
Domestic	1,605	1,293	35	44	120	103	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,607</b>	<b>1,293</b>	<b>35</b>	<b>44</b>	<b>122</b>	<b>103</b>	<b>10</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	295	200	41	1	22	30	1
Transborder	26	0	1	1	23	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>321</b>	<b>200</b>	<b>42</b>	<b>2</b>	<b>45</b>	<b>30</b>	<b>2</b>
<b>Rankin Inlet</b>							
Domestic	1,294	1,005	252	12	11	11	3
Transborder	0	0	0	0	0	0	0
Other international	2	0	0	0	1	0	1
<b>Total</b>	<b>1,296</b>	<b>1,005</b>	<b>252</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>4</b>
<b>Red Deer Regional</b>							
Domestic	1,618	324	489	99	665	28	13
Transborder	14	2	0	0	12	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,632</b>	<b>326</b>	<b>489</b>	<b>99</b>	<b>677</b>	<b>28</b>	<b>13</b>
<b>Rouyn-Noranda</b>							
Domestic	1,177	632	157	176	188	24	0
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,178</b>	<b>633</b>	<b>157</b>	<b>176</b>	<b>188</b>	<b>24</b>	<b>0</b>
<b>Saint John</b>							
Domestic	1,223	781	144	42	244	2	10
Transborder	83	7	0	0	75	0	1
Other international	3	0	0	0	3	0	0
<b>Total</b>	<b>1,309</b>	<b>788</b>	<b>144</b>	<b>42</b>	<b>322</b>	<b>2</b>	<b>11</b>
<b>Sept-Îles</b>							
Domestic	2,426	1,275	864	29	161	88	9
Transborder	8	2	0	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,434</b>	<b>1,277</b>	<b>864</b>	<b>29</b>	<b>167</b>	<b>88</b>	<b>9</b>
<b>Sioux Lookout</b>							
Domestic	2,366	1,805	457	8	74	14	8
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,369</b>	<b>1,805</b>	<b>457</b>	<b>8</b>	<b>77</b>	<b>14</b>	<b>8</b>
<b>Smithers</b>							
Domestic	1,056	503	320	9	117	10	97
Transborder	26	3	0	1	22	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,082</b>	<b>506</b>	<b>320</b>	<b>10</b>	<b>139</b>	<b>10</b>	<b>97</b>
<b>St Catharines</b>							
Domestic	1,327	36	826	42	401	13	9
Transborder	53	6	4	1	42	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,380</b>	<b>42</b>	<b>830</b>	<b>43</b>	<b>443</b>	<b>13</b>	<b>9</b>
<b>Sudbury</b>							
Domestic	2,341	1,570	400	39	240	84	8
Transborder	18	0	3	0	14	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,359</b>	<b>1,570</b>	<b>403</b>	<b>39</b>	<b>254</b>	<b>84</b>	<b>9</b>
<b>Terrace</b>							
Domestic	1,051	559	410	4	52	20	6
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,055</b>	<b>559</b>	<b>411</b>	<b>4</b>	<b>55</b>	<b>20</b>	<b>6</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	2,971	2,524	268	5	22	152	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,972</b>	<b>2,525</b>	<b>268</b>	<b>5</b>	<b>22</b>	<b>152</b>	<b>0</b>
<b>Timmins</b>							
Domestic	2,000	1,558	209	5	201	25	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,001</b>	<b>1,558</b>	<b>209</b>	<b>5</b>	<b>202</b>	<b>25</b>	<b>2</b>
<b>Val-d'Or</b>							
Domestic	1,035	724	76	6	198	12	19
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,035</b>	<b>724</b>	<b>76</b>	<b>6</b>	<b>198</b>	<b>12</b>	<b>19</b>
<b>Victoria Harbour</b>							
Domestic	2,330	2,225	4	0	35	66	0
Transborder	297	0	0	0	297	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,627</b>	<b>2,225</b>	<b>4</b>	<b>0</b>	<b>332</b>	<b>66</b>	<b>0</b>
<b>Wabush</b>							
Domestic	1,225	741	350	22	91	17	4
Transborder	3	0	0	1	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,228</b>	<b>741</b>	<b>350</b>	<b>23</b>	<b>93</b>	<b>17</b>	<b>4</b>
<b>Whitecourt</b>							
Domestic	792	28	550	116	90	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>792</b>	<b>28</b>	<b>550</b>	<b>116</b>	<b>90</b>	<b>8</b>	<b>0</b>
<b>Williams Lake</b>							
Domestic	1,042	435	352	30	205	12	8
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,049</b>	<b>435</b>	<b>352</b>	<b>30</b>	<b>212</b>	<b>12</b>	<b>8</b>
<b>Total of all flight service stations (51)</b>							
Domestic	70,340	37,660	16,030	3,300	10,210	1,612	1,528
Transborder	1,321	246	44	13	1,003	0	15
Other international	78	25	8	7	28	0	10
<b>Total</b>	<b>71,739</b>	<b>37,931</b>	<b>16,082</b>	<b>3,320</b>	<b>11,241</b>	<b>1,612</b>	<b>1,553</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	25	6,563	10	14	75	22	421
Boundary Bay	8	13,024	25	15	117	2	801
Calgary International	3	19,789	7	17	59	29	771
Calgary/Springbank	17	9,363	23	11	97	29	625
Chicoutimi/St-Honoré	16	9,559	20	9	132	27	859
Edmonton City Centre	29	5,729	23	15	40	24	297
Edmonton International	11	11,010	8	11	52	22	468
Edmonton/Villeneuve	21	7,479	22	17	117	22	510
Fort McMurray	28	5,945	22	9	44	21	325
Fredericton International	23	7,314	21	10	56	16	487
Gander International	40	2,688	19	22	47	19	233
Halifax/Robert L Stanfield International	22	7,470	10	14	37	10	316
Hamilton	37	3,678	17	13	27	1	194
Kelowna	30	5,728	22	15	70	17	294
Kitchener/Waterloo	24	6,817	14	21	80	29	617
Langley	27	6,246	15	9	69	22	348
London	12	10,777	23	15	107	10	679
Moncton/Greater Moncton International	18	8,797	18	11	55	18	557
Montréal/Pierre Elliott Trudeau International	4	18,932	7	9	72	7	786
Montréal/St-Hubert	7	13,764	18	10	142	17	1,060
Oshawa	41	2,627	28	11	38	17	185
Ottawa/Macdonald-Cartier International	5	14,898	29	17	109	29	798
Pitt Meadows	14	10,236	29	16	97	2	680
Prince George	39	2,934	29	15	48	26	216
Québec/Jean Lesage International	15	9,810	16	11	73	23	532
Regina International	31	5,049	24	10	40	1	265
Saskatoon/John G Diefenbaker International	19	8,505	18	9	75	14	409
Sault Ste. Marie	34	3,925	13	11	70	13	340
St. John's International	35	3,789	4	14	20	24	175
St-Jean	36	3,728	15	15	57	19	422
Thunder Bay	26	6,447	29	21	81	10	383
Toronto/Billy Bishop Toronto City	20	8,451	26	15	66	19	490
Toronto/Buttonville Municipal	6	14,617	19	17	119	29	1,234
Toronto/Lester B Pearson International	1	35,627	2	18	105	10	1,287
Vancouver Harbour	33	4,091	22	16	29	22	197
Vancouver International	2	25,493	2	8	82	2	986
Victoria International	9	12,581	17	11	86	1	612
Whitehorse International	38	3,062	15	12	39	15	200
Windsor	42	1,699	12	10	27	5	126
Winnipeg/James Armstrong Richardson International	10	11,457	19	23	89	1	527
Winnipeg/St. Andrews	13	10,617	28	10	80	15	683
Yellowknife	32	4,509	9	22	35	8	295

**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	27	1,641	8	15	33	18	169
Campbell River	14	2,393	29	10	54	29	255
Castlegar	18	2,241	11	13	50	9	207
Charlottetown	24	1,735	29	21	27	27	143
Churchill	46	929	13	14	14	13	52
Cranbrook	36	1,213	11	10	24	11	131
Deer Lake	31	1,306	1	18	9	22	68
Fort Nelson	17	2,309	3	15	30	16	139
Fort St John	16	2,334	29	15	25	9	122
Grande Prairie	2	3,388	13	11	33	22	181
High Level	41	1,134	3	17	14	23	68
Îles-de-la-Madeleine	50	405	5	12	5	24	24
Inuvik/Mike Zubko	23	1,773	27	16	44	16	113
Iqaluit	21	1,964	15	16	28	10	97
Kamloops	4	3,004	15	14	48	22	263
Kenora	39	1,157	28	19	37	28	97
Kingston	5	2,905	9	10	41	19	172
Kuujuaq	37	1,169	10	12	14	13	57
La Grande Rivière	47	834	6	18	22	6	48
La Ronge	34	1,248	16	11	20	15	73
Lethbridge	22	1,905	3	18	27	29	218
Lloydminster	44	1,049	24	16	26	24	84
Medicine Hat	30	1,359	2	19	35	2	120
Mont-Joli	48	736	6	10	30	6	130
Montréal/Mirabel International	13	2,409	20	11	31	29	155
Nanaimo	9	2,653	4	12	36	29	179
Norman Wells	33	1,270	30	14	19	4	81
North Bay	6	2,895	27	14	58	27	265
Ottawa/Gatineau	1	3,440	6	11	80	11	319
Peace River	49	616	12	16	12	22	33
Penticton	7	2,856	22	14	53	22	266
Port Hardy	45	951	2	10	11	2	64
Prince Albert	25	1,693	15	9	21	3	92
Prince Rupert	51	329	19	10	8	3	20
Rankin Inlet	32	1,296	1	13	14	2	73
Red Deer Regional	19	2,226	24	15	33	17	169
Rouyn-Noranda	28	1,460	16	17	35	11	132
Saint John	26	1,678	27	13	34	27	114
Sept-Îles	8	2,836	2	11	46	2	218
Sioux Lookout	12	2,435	2	9	26	13	113
Smithers	42	1,118	19	10	18	19	83
St Catharines	15	2,372	2	19	41	11	181
Sudbury	11	2,606	10	13	32	10	143
Terrace	43	1,055	17	10	14	17	62
Thompson	3	3,064	27	15	20	2	157
Timmins	20	2,070	16	20	28	17	116
Val-d'Or	38	1,157	6	13	20	11	73
Victoria Harbour	10	2,627	21	16	19	22	141
Wabush	35	1,228	14	10	11	21	68
Whitecourt	29	1,459	23	14	53	23	132
Williams Lake	40	1,148	30	10	19	30	74

**Table 9-1**  
**Itinerant aircraft movements, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	31	3,134	21	14	24	22	199
Boundary Bay	13	5,609	22	13	48	22	379
Calgary International	3	19,581	23	18	59	29	765
Calgary/Springbank	29	3,390	24	15	31	24	232
Chicoutimi/St-Honoré	41	1,891	10	10	19	10	149
Edmonton City Centre	19	4,883	22	17	34	24	267
Edmonton International	6	10,554	29	7	38	22	427
Edmonton/Villeneuve	34	2,499	25	11	40	18	245
Fort McMurray	16	5,075	1	13	31	22	252
Fredericton International	24	3,969	16	19	22	23	250
Gander International	40	1,982	4	11	15	23	117
Halifax/Robert L Stanfield International	10	7,200	10	14	33	10	304
Hamilton	33	2,669	28	16	14	1	150
Kelowna	23	4,018	22	15	23	2	192
Kitchener/Waterloo	30	3,279	11	12	32	29	255
Langley	32	3,088	25	11	31	22	203
London	15	5,354	17	12	33	15	288
Moncton/Greater Moncton International	17	4,925	18	13	26	18	290
Montréal/Pierre Elliott Trudeau International	4	18,729	10	18	68	7	720
Montréal/St-Hubert	11	6,350	11	14	58	11	534
Oshawa	37	2,251	17	15	25	10	154
Ottawa/Macdonald-Cartier International	5	11,110	17	11	49	17	517
Pitt Meadows	21	4,089	11	17	45	11	329
Prince George	38	2,176	8	10	16	2	103
Québec/Jean Lesage International	9	7,306	17	14	35	17	357
Regina International	27	3,801	30	10	19	3	173
Saskatoon/John G Diefenbaker International	14	5,480	30	16	32	30	255
Sault Ste. Marie	39	2,013	13	11	18	13	131
St. John's International	28	3,636	27	15	17	24	169
St-Jean	35	2,481	19	12	50	19	360
Thunder Bay	18	4,923	9	8	29	9	268
Toronto/Billy Bishop Toronto City	12	5,918	19	14	31	19	266
Toronto/Buttonville Municipal	20	4,870	29	16	44	17	372
Toronto/Lester B Pearson International	1	35,557	2	18	105	10	1,287
Vancouver Harbour	22	4,085	22	16	29	22	197
Vancouver International	2	25,475	2	8	82	2	984
Victoria International	8	7,914	11	13	41	30	374
Whitehorse International	36	2,283	20	14	17	20	119
Windsor	42	1,329	5	10	11	5	74
Winnipeg/James Armstrong Richardson International	7	10,167	16	18	35	1	426
Winnipeg/St. Andrews	26	3,859	19	13	25	30	209
Yellowknife	25	3,869	8	10	23	8	195

**Table 9-2**  
**Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	27	1,293	25	15	29	18	161
Campbell River	18	1,541	3	17	17	3	121
Castlegar	40	985	28	10	13	9	57
Charlottetown	23	1,309	3	17	10	19	72
Churchill	44	923	13	14	14	13	52
Cranbrook	42	955	11	10	12	11	75
Deer Lake	25	1,306	1	18	9	22	68
Fort Nelson	8	2,093	1	9	22	1	130
Fort St John	10	1,904	16	10	15	29	92
Grande Prairie	3	2,618	25	14	20	18	137
High Level	36	1,080	17	12	11	28	56
Îles-de-la-Madeleine	50	405	5	12	5	24	24
Inuvik/Mike Zubko	19	1,541	11	16	14	1	78
Iqaluit	14	1,682	3	12	12	6	71
Kamloops	13	1,704	17	14	15	3	91
Kenora	41	957	2	12	8	30	53
Kingston	12	1,753	26	10	27	26	162
Kuujuaq	33	1,113	17	12	9	17	53
La Grande Rivière	45	802	7	13	7	28	44
La Ronge	32	1,162	8	11	13	15	67
Lethbridge	29	1,201	4	12	11	29	82
Lloydminster	48	685	24	16	14	30	52
Medicine Hat	34	1,085	24	16	12	29	69
Mont-Joli	47	730	6	10	30	6	130
Montréal/Mirabel International	11	1,761	11	16	15	15	89
Nanaimo	7	2,153	29	16	25	30	144
Norman Wells	31	1,172	6	11	11	9	68
North Bay	21	1,453	29	15	21	27	99
Ottawa/Gatineau	15	1,664	18	17	42	11	169
Peace River	49	600	15	10	6	22	31
Penticton	20	1,454	11	12	14	11	93
Port Hardy	43	929	1	16	9	2	62
Prince Albert	17	1,607	15	9	21	16	83
Prince Rupert	51	321	9	14	6	3	20
Rankin Inlet	26	1,296	1	13	14	2	73
Red Deer Regional	16	1,632	26	11	28	26	152
Rouyn-Noranda	30	1,178	16	17	11	11	72
Saint John	24	1,309	6	9	8	16	67
Sept-Îles	4	2,434	11	14	18	2	118
Sioux Lookout	5	2,369	1	17	15	10	110
Smithers	35	1,082	18	16	17	19	79
St Catharines	22	1,380	29	15	18	11	97
Sudbury	6	2,359	11	13	17	10	109
Terrace	37	1,055	17	10	14	17	62
Thompson	1	2,972	16	9	17	30	139
Timmins	9	2,001	17	11	23	17	116
Val-d'Or	39	1,035	17	16	9	2	55
Victoria Harbour	2	2,627	21	16	19	22	141
Wabush	28	1,228	14	10	11	21	68
Whitecourt	46	792	24	13	11	24	49
Williams Lake	38	1,049	7	13	12	30	61

**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	14	3,429	10	14	61	29	258
Boundary Bay	3	7,415	25	15	92	2	476
Calgary International	37	208	18	17	26	18	60
Calgary/Springbank	7	5,973	7	15	80	29	410
Chicoutimi/St-Honoré	2	7,668	3	22	122	27	760
Edmonton City Centre	28	846	5	11	22	29	76
Edmonton International	33	456	8	11	30	15	58
Edmonton/Villeneuve	9	4,980	22	17	103	22	425
Fort McMurray	27	870	21	14	24	21	110
Fredericton International	15	3,345	21	10	38	13	263
Gander International	31	706	19	22	42	19	132
Halifax/Robert L Stanfield International	36	270	27	11	16	27	38
Hamilton	26	1,009	18	11	20	20	71
Kelowna	21	1,710	22	15	47	17	132
Kitchener/Waterloo	13	3,538	14	21	70	29	362
Langley	16	3,158	19	16	58	17	228
London	8	5,423	23	15	88	10	406
Moncton/Greater Moncton International	11	3,872	3	13	36	18	267
Montréal/Pierre Elliott Trudeau International	38	203	7	13	20	7	66
Montréal/St-Hubert	4	7,414	23	19	108	23	638
Oshawa 1	34	376	28	11	38	28	116
Ottawa/Macdonald-Cartier International	12	3,788	29	17	72	29	368
Pitt Meadows	6	6,147	28	13	72	2	448
Prince George	30	758	26	14	36	11	144
Québec/Jean Lesage International	19	2,504	20	10	56	22	238
Regina International	24	1,248	24	10	26	1	110
Saskatoon/John G Diefenbaker International	17	3,025	18	9	60	14	200
Sault Ste. Marie	20	1,912	18	17	60	13	209
St. John's International	39	153	30	21	16	4	28
St-Jean	25	1,247	15	11	50	15	194
Thunder Bay	22	1,524	29	21	72	10	182
Toronto/Billy Bishop Toronto City	18	2,533	26	15	38	19	224
Toronto/Buttonville Municipal	1	9,747	29	20	90	29	882
Toronto/Lester B Pearson International	40	70	28	11	6	23	16
Vancouver Harbour	42	6	10	19	2	10	2
Vancouver International	41	18	10	10	4	10	4
Victoria International	10	4,667	17	11	66	1	278
Whitehorse International	29	779	15	12	30	15	99
Windsor	35	370	26	12	20	12	56
Winnipeg/James Armstrong Richardson International	23	1,290	19	23	82	19	140
Winnipeg/St. Andrews	5	6,758	14	21	66	15	478
Yellowknife	32	640	9	22	30	8	100

1. Only partial local movement data has been received for the month of September 2010 for Oshawa, Ontario.

**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	20	348	8	15	28	8	50
Campbell River	8	852	29	10	50	29	188
Castlegar	5	1,256	11	13	48	9	150
Charlottetown	16	426	29	21	26	27	78
Churchill	44	6	8	18	6	8	6
Cranbrook	24	258	3	8	14	11	56
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	27	216	3	15	24	20	40
Fort St John	15	430	7	11	18	28	40
Grande Prairie	9	770	13	11	24	11	78
High Level	38	54	3	17	8	23	16
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	26	232	27	16	36	16	58
Iqaluit	21	282	6	21	22	18	38
Kamloops	4	1,300	15	14	34	22	178
Kenora	28	200	28	19	36	28	68
Kingston	6	1,152	9	10	32	29	90
Kuujjuaq	37	56	10	12	6	18	18
La Grande Rivière	40	32	6	18	20	6	20
La Ronge	34	86	16	11	16	16	16
Lethbridge	10	704	29	21	24	29	136
Lloydminster	19	364	19	11	18	12	50
Medicine Hat	23	274	2	19	30	2	76
Mont-Joli	45	6	17	13	4	17	4
Montréal/Mirabel International	12	648	9	18	24	9	74
Nanaimo	14	500	4	12	22	5	98
Norman Wells	31	98	4	23	16	4	20
North Bay	2	1,442	27	16	46	27	166
Ottawa/Gatineau	1	1,776	6	11	72	15	180
Peace River	42	16	12	16	8	12	8
Penticton	3	1,402	22	15	46	22	188
Port Hardy	41	22	12	20	4	23	8
Prince Albert	33	86	14	20	12	3	22
Prince Rupert	43	8	14	13	4	14	4
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	13	594	5	10	22	17	68
Rouyn-Noranda	22	282	16	17	24	26	72
Saint John	18	369	27	13	32	27	62
Sept-Îles	17	402	2	11	32	2	100
Sioux Lookout	36	66	2	9	22	2	30
Smithers	39	36	26	15	16	26	26
St Catharines	7	992	2	19	38	19	104
Sudbury	25	247	30	15	20	30	46
Terrace	0	0	0	0	0	0	0
Thompson	32	92	8	21	10	2	20
Timmins	35	69	16	20	20	16	20
Val-d'Or	29	122	6	13	20	6	26
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	11	667	23	14	44	23	90
Williams Lake	30	99	13	20	16	1	20

**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	14	3,429	10	14	61	29	258
Boundary Bay	3	7,415	25	15	92	2	476
Calgary International	37	207	18	17	26	18	60
Calgary/Springbank	7	5,973	7	15	80	29	410
Chicoutimi/St-Honoré	2	7,664	3	22	122	27	760
Edmonton City Centre	28	846	5	11	22	29	76
Edmonton International	33	456	8	11	30	15	58
Edmonton/Villeneuve	9	4,980	22	17	103	22	425
Fort McMurray	27	870	21	14	24	21	110
Fredericton International	15	3,345	21	10	38	13	263
Gander International	31	705	19	22	42	19	132
Halifax/Robert L Stanfield International	36	267	27	11	16	27	38
Hamilton	26	1,009	18	11	20	20	71
Kelowna	21	1,707	22	15	47	17	132
Kitchener/Waterloo	13	3,538	14	21	70	29	362
Langley	16	3,158	19	16	58	17	228
London	8	5,423	23	15	88	10	406
Moncton/Greater Moncton International	11	3,869	3	13	36	18	267
Montréal/Pierre Elliott Trudeau International	38	203	7	13	20	7	66
Montréal/St-Hubert	4	7,414	23	19	108	23	638
Oshawa 1	34	376	28	11	38	28	116
Ottawa/Macdonald-Cartier International	12	3,786	29	17	72	29	366
Pitt Meadows	6	6,147	28	13	72	2	448
Prince George	30	758	26	14	36	11	144
Québec/Jean Lesage International	19	2,500	20	10	56	22	238
Regina International	25	1,224	24	10	26	1	110
Saskatoon/John G Diefenbaker International	17	3,005	18	9	60	14	200
Sault Ste. Marie	20	1,908	18	17	60	20	208
St. John's International	39	152	30	21	16	4	28
St-Jean	24	1,247	15	11	50	15	194
Thunder Bay	22	1,506	29	21	72	10	182
Toronto/Billy Bishop Toronto City	18	2,533	26	15	38	19	224
Toronto/Buttonville Municipal	1	9,747	29	20	90	29	882
Toronto/Lester B Pearson International	40	70	28	11	6	23	16
Vancouver Harbour	42	6	10	19	2	10	2
Vancouver International	41	16	10	10	4	10	4
Victoria International	10	4,663	17	11	66	1	278
Whitehorse International	29	779	15	12	30	15	99
Windsor	35	370	26	12	20	12	56
Winnipeg/James Armstrong Richardson International	23	1,282	19	23	82	19	140
Winnipeg/St. Andrews	5	6,758	14	21	66	15	478
Yellowknife	32	640	9	22	30	8	100

1. Only partial local movement data has been received for the month of September 2010 for Oshawa, Ontario.

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	20	298	8	15	28	8	42
Campbell River	8	852	29	10	50	29	188
Castlegar	5	1,256	11	13	48	9	150
Charlottetown	15	426	29	21	26	27	78
Churchill	44	6	8	18	6	8	6
Cranbrook	24	258	3	8	14	11	56
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	26	216	3	15	24	20	40
Fort St John	14	430	7	11	18	28	40
Grande Prairie	9	770	13	11	24	11	78
High Level	38	54	3	17	8	23	16
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	29	114	15	16	30	16	58
Iqaluit	21	282	6	21	22	18	38
Kamloops	4	1,300	15	14	34	22	178
Kenora	27	186	28	19	36	28	68
Kingston	6	1,136	9	10	32	29	84
Kuujjuaq	37	56	10	12	6	18	18
La Grande Rivière	40	32	6	18	20	6	20
La Ronge	33	86	16	11	16	16	16
Lethbridge	10	696	29	21	24	29	136
Lloydminster	18	364	19	11	18	12	50
Medicine Hat	23	272	2	19	30	2	76
Mont-Joli	45	6	17	13	4	17	4
Montréal/Mirabel International	12	612	9	18	24	9	74
Nanaimo	19	362	16	16	18	1	42
Norman Wells	31	98	4	23	16	4	20
North Bay	2	1,432	27	16	46	27	166
Ottawa/Gatineau	1	1,776	6	11	72	15	180
Peace River	42	16	12	16	8	12	8
Penticton	3	1,402	22	15	46	22	188
Port Hardy	41	22	12	20	4	23	8
Prince Albert	34	86	14	20	12	3	22
Prince Rupert	43	8	14	13	4	14	4
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	13	588	5	10	22	17	68
Rouyn-Noranda	22	282	16	17	24	26	72
Saint John	17	369	27	13	32	27	62
Sept-Îles	16	402	2	11	32	2	100
Sioux Lookout	36	66	2	9	22	2	30
Smithers	39	36	26	15	16	26	26
St Catharines	7	992	2	19	38	19	104
Sudbury	25	247	30	15	20	30	46
Terrace	0	0	0	0	0	0	0
Thompson	32	92	8	21	10	2	20
Timmins	35	69	16	20	20	16	20
Val-d'Or	28	122	6	13	20	6	26
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	11	667	23	14	44	23	90
Williams Lake	30	99	13	20	16	1	20

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	14	1	27	13	1	27	1
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	8	4	29	14	4	29	4
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
Gander International	15	1	26	12	1	26	1
Halifax/Robert L Stanfield International	9	3	28	16	3	28	3
Hamilton	0	0	0	0	0	0	0
Kelowna	11	3	27	9	2	27	2
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	10	3	29	14	2	29	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	2	29	15	2	29	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	6	4	12	15	2	12	2
Regina International	1	24	28	12	4	30	11
Saskatoon/John G Diefenbaker International	2	20	29	19	6	29	10
Sault Ste. Marie	5	4	13	10	2	13	2
St. John's International	16	1	27	15	1	27	1
St-Jean	0	0	0	0	0	0	0
Thunder Bay	3	18	28	13	8	27	10
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	13	2	23	18	2	23	2
Victoria International	7	4	24	14	2	24	4
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	4	8	28	14	2	23	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	3	50	1	10	8	24	12
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	2	118	27	16	36	27	36
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	6	14	13	13	4	13	6
Kingston	5	16	22	11	6	22	6
Kuujuaq	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	8	8	3	14	4	3	4
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	10	2	24	11	2	24	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	4	36	16	14	10	16	20
Nanaimo	1	138	4	12	22	5	92
Norman Wells	0	0	0	0	0	0	0
North Bay	7	10	22	10	6	22	8
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	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	9	6	6	16	6	6	6
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

# Methodology

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## Survey universe

### Coverage

The survey covers all aircraft movements at Canadian airports with NAV CANADA air traffic control towers and flight service stations.

## Methodology survey

The Itinerant movement record is designed to capture:

- Aircraft identification
- Aircraft type
- The last station before landing at the reporting airport or the next station after take-off
- Arrival or departure
- Time of movement
- Runway used
- Flight rules (Instrument flight rules or Visual flight rules).

The Local aircraft movement record provides for reports of local movements by:

- Hour
- Single engine aircraft
- Multi-engine aircraft
- Jet aircraft
- Military aircraft
- Date of movement

Processing of aircraft movement statistics involves several stages. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: Annual report (TP-577). In particular, data on itinerant movements by type of operation may reflect revisions as various sources of comparative information (data collected from commercial air carriers by the Aviation Statistics Centre, Statistics Canada) become available during the processing cycle. Finally, when revisions are required after the release of 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. These revisions are also reflected in the CANSIM tables, both monthly and annual.

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Coordinated Universal Time (UTC); however, published statistics are shown in local times. The records are transmitted to the Aviation Statistics Centre.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. The storage of this information reduces the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, 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**

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

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

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

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

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

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

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

## **Appendix II**

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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.