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



April 2009



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Statistics Canada  
Transportation Division

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

April 2009

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

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## Highlights

- Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-6.2%) in April 2009 compared with April 2008. These 93 airports reported 520,716 movements in April 2009 compared with 554,885 movements at 95 airports in April 2008.
- Itinerant movements (flights from one airport to another) fell 5.3% (-19,626 movements) in April 2009 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) declined by 7.9% (-14,543 movements) in April 2009 over the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Change from April 2009/ April 2008 percent	number	Change from April 2009/ April 2008 percent	number	Change from April 2009/ April 2008 percent
<b>Grand total</b>	<b>416,341</b>	<b>-5.8</b>	<b>104,375</b>	<b>-7.5</b>	<b>520,716</b>	<b>-6.2</b>
<b>Itinerant movements</b>						
Air carriers	201,449	-5.5	51,986	-11.1	253,435	-6.7
Other commercial movements	42,727	-2.0	5,918	-5.1	48,645	-2.4
Private movements	27,232	-3.6	9,413	8.0	36,645	-0.8
Government civil movements	5,414	-3.0	2,086	-6.8	7,500	-4.1
Government military movements	3,725	4.4	1,626	14.3	5,351	7.2
Itinerant total	280,547	-4.6	71,029	-7.8	351,576	-5.3
<b>Local movements</b>						
Civil local movements	134,502	-8.1	33,147	-5.3	167,649	-7.5
Military local movements	1,292	-19.9	199	-73.4	1,491	-36.8
Local total	135,794	-8.2	33,346	-6.8	169,140	-7.9

## Analysis

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Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-6.2%) in April 2009 compared with April 2008. These 93 airports reported 520,716 movements in April 2009 compared with 554,885 movements at 95 airports in April 2008.

Itinerant movements (flights from one airport to another) fell 5.3% (-19,626 movements) in April 2009 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) declined by 7.9% (-14,543 movements) in April 2009 over the previous year.

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

The 41 Canadian airports with NAV CANADA air traffic control towers reported 416,341 aircraft take-offs and landings in April down 5.8% (-25,717 movements) compared with April 2008. Year-over-year increases in aircraft movements were reported by 13 of these airports in April 2009. The variations ranged from an increase of 48.3% at Edmonton/Villeneuve, Alberta to a decline of 57.5% at Gander International, Newfoundland and Labrador.

Itinerant movements (flights from one airport to another) declined 4.6% (-13,595 movements) in April 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 60.4% increase (+2,143 movements) at Pitt Meadows, British Columbia to a decline of 40.5% (-1,096 movements) at Gander International, Newfoundland and Labrador.

Local movements (flights that remain in the vicinity of the airport) fell by 12,122 movements (-8.2%) in April 2009 compared with April 2008. Edmonton/Villeneuve, Alberta recorded the largest gain in local movements, increasing by 2,206 movements (+56.2%) while Abbotsford, British Columbia reported the largest decline with 2,922 fewer movements (-28.3%) compared with the previous year.

The Air Traffic Control Tower at Sudbury, Ontario closed in June 2008 and re-opened as a Flight Service Station. Sudbury reported 3,293 movements in April 2008 compared with 3,507 movements reported for the Flight Service Station in April 2009, up 6.5%.

The Flight Service Station at Fort McMurray, Alberta closed effective October 2008 and re-opened as an Air Traffic Control Tower. Fort McMurray reported 5,009 movements in April 2008 compared with 5,536 movements reported for the Air Traffic Control Tower in April 2009, up 10.5%.

The Air Traffic Control Tower at Montréal/Mirabel International, Quebec closed in December 2008 and re-opened as a Flight Service Station. Montréal/Mirabel International reported 2,680 movements in April 2008 compared with 2,290 movements reported for the Flight Service Station in April 2009, down 14.6%.

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

The 52 Canadian airports with NAV CANADA flight service stations reported 104,375 aircraft take-offs and landings in April down 7.5% (-8,452 movements) compared with April 2008. Year-over-year increases in aircraft movements were reported by 17 of these airports in April 2009. The variations ranged from a 58.0% increase (+373 movements) at Smithers, British Columbia to a decline of 45.2% (-471 movements) at Port Hardy, British Columbia.



Itinerant movements (flights from one airport to another) decreased by 7.8% (-6,031 movements) in April 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 48.7% increase (+326 movements) Castlegar, British Columbia to a decline of 43.3% (-397 movements) at Port Hardy, British Columbia.

Local movements (flights that remain in the vicinity of the airport) recorded in April 2009 decreased by 6.8% (-2,421 movements) compared with the same month a year earlier. Fort St. John, British Columbia recorded the largest gain in local movements, increasing by 1,084 movements (+213.4%) compared with April 2008. Charlottetown, Prince Edward Island recorded the largest decline in local movements, dropping 1,234 movements (-72.0%) compared with April 2008.

## Related products

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### Selected CANSIM tables from Statistics Canada

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401-0005	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, monthly
401-0006	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, annual
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
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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### **Selected surveys from Statistics Canada**

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

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

# Statistical tables

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**Table 1-1**  
**Total aircraft movements by class of operation — NAV CANADA towers**

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	11	13,384	17	5,992	5	7,392
Boundary Bay	4	18,949	9	8,499	1	10,450
Calgary International	3	19,390	3	19,205	37	185
Calgary/Springbank	7	15,066	15	6,318	3	8,748
Chicoutimi/St-Honoré	22	7,858	32	2,571	11	5,287
Edmonton City Centre	28	6,208	19	5,626	34	582
Edmonton International	17	10,586	7	10,314	35	272
Edmonton/Villeneuve	24	7,792	37	1,660	9	6,132
Fort McMurray	31	5,536	25	4,085	25	1,451
Gander International	40	2,422	38	1,611	30	811
Halifax/Robert L Stanfield International	25	7,658	13	6,922	32	736
Hamilton	36	3,294	33	2,562	33	732
Kelowna	23	7,846	23	4,569	18	3,277
Kitchener/Waterloo	26	7,334	26	3,725	15	3,609
Langley	27	6,327	30	3,267	19	3,060
London	8	15,045	14	6,417	4	8,628
Moncton/Greater Moncton International	10	14,202	12	7,365	8	6,837
Montréal/Pierre Elliott Trudeau International	6	17,686	4	17,686	0	0
Montréal/St-Hubert	5	18,730	8	8,506	2	10,224
Oshawa	33	4,884	36	2,213	22	2,671
Ottawa/Macdonald-Cartier International	12	13,189	6	10,430	21	2,759
Pitt Meadows	13	12,897	18	5,690	6	7,207
Prince George	35	4,506	35	2,424	23	2,082
Québec/Jean Lesage International	14	12,170	10	8,298	13	3,872
Regina International	30	5,596	28	3,559	24	2,037
Saskatoon/John G Diefenbaker International	18	9,186	20	5,602	17	3,584
Sault Ste. Marie	29	6,149	34	2,559	16	3,590
St. John's International	37	2,916	31	2,670	36	246
St-Jean	38	2,699	40	1,463	26	1,236
Thunder Bay	21	8,015	21	4,985	20	3,030
Toronto/Buttville Municipal	16	11,080	16	6,157	12	4,923
Toronto/City Centre	20	8,192	24	4,337	14	3,855
Toronto/Lester B Pearson International	1	33,444	1	33,444	0	0
Vancouver Harbour	32	4,915	22	4,913	38	2
Vancouver International	2	26,414	2	26,414	0	0
Victoria International	9	15,018	11	8,136	7	6,882
Whitehorse International	41	1,934	41	1,147	31	787
Windsor	39	2,457	39	1,601	29	856
Winnipeg/James Armstrong Richardson International	15	11,615	5	10,634	28	981
Winnipeg/St. Andrews	19	9,059	29	3,354	10	5,705
Yellowknife	34	4,693	27	3,617	27	1,076
<b>Total of NAV CANADA towers (41)</b>	.	<b>416,341</b>	.	<b>280,547</b>	.	<b>135,794</b>

**Table 1-2**  
**Total aircraft movements by class of operation — NAV CANADA flight service stations**

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	22	1,898	31	1,080	15	818
Campbell River	9	3,173	9	1,991	11	1,182
Castlegar	32	1,340	33	996	26	344
Charlottetown	25	1,835	24	1,355	22	480
Churchill	46	861	38	853	47	8
Cranbrook	40	1,029	40	821	29	208
Deer Lake	29	1,443	23	1,379	41	64
Fort Nelson	30	1,439	26	1,245	32	194
Fort St John	8	3,175	17	1,583	7	1,592
Fredericton International	1	7,641	1	4,314	2	3,327
Grande Prairie	4	3,927	6	2,265	5	1,662
High Level	34	1,155	34	975	33	180
Îles-de-la-Madeleine	50	394	50	394	0	0
Inuvik/Mike Zubko	39	1,071	35	955	38	116
Iqaluit	31	1,416	22	1,384	43	32
Kamloops	10	3,123	10	1,981	12	1,142
Kenora	43	933	39	827	39	106
Kingston	12	3,023	12	1,711	9	1,312
Kuujuuaq	45	900	37	876	44	24
La Grande Rivière	47	738	43	736	48	2
La Ronge	33	1,222	28	1,100	37	122
Lethbridge	19	2,285	21	1,449	14	836
Lloydminster	35	1,149	46	631	20	518
Medicine Hat	24	1,858	25	1,284	18	574
Mont-Joli	51	375	51	365	46	10
Montréal/Mirabel International	18	2,290	14	1,687	17	603
Nanaimo	14	2,571	8	2,075	21	496
Norman Wells	42	952	41	810	36	142
North Bay	2	5,820	7	2,144	1	3,676
Ottawa/Gatineau	3	4,086	19	1,508	3	2,578
Peace River	37	1,094	48	574	19	520
Penticton	11	3,095	20	1,497	6	1,598
Port Hardy	49	572	49	520	42	52
Prince Albert	26	1,816	15	1,668	35	148
Prince Rupert	52	315	52	297	45	18
Rankin Inlet	36	1,100	29	1,100	0	0
Red Deer Regional	7	3,278	13	1,702	8	1,576
Rouyn-Noranda	28	1,506	32	1,052	23	454
Saint John	21	2,042	16	1,658	24	384
Sept-Îles	27	1,814	18	1,532	27	282
Sioux Lookout	16	2,480	5	2,330	34	150
Smithers	41	1,016	45	661	25	355
St Catharines	17	2,357	27	1,141	10	1,216
Sudbury	5	3,507	3	2,572	13	935
Terrace	38	1,079	36	879	31	200
Thompson	13	2,645	4	2,543	40	102
Timmins	20	2,191	11	1,945	28	246
Val-d'Or	23	1,875	30	1,097	16	778
Victoria Harbour	6	3,356	2	3,356	0	0
Wabush	48	623	47	623	0	0
Whitecourt	15	2,561	42	779	4	1,782
Williams Lake	44	931	44	729	30	202
<b>Total of all flight service stations (52)</b>	.	<b>104,375</b>	.	<b>71,029</b>	.	<b>33,346</b>

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

	Civil movements			Military movements			
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Abbotsford	13,328	4,741	1,197	7,390	56	54	2
Boundary Bay	18,921	6,844	1,628	10,449	28	27	1
Calgary International	19,173	17,724	1,289	160	217	192	25
Calgary/Springbank	15,031	4,944	1,346	8,741	35	28	7
Chicoutimi/St-Honoré	7,858	2,397	174	5,287	0	0	0
Edmonton City Centre	6,097	4,129	1,396	572	111	101	10
Edmonton International	10,521	9,851	408	262	65	55	10
Edmonton/Villeneuve	7,772	1,274	366	6,132	20	20	0
Fort McMurray	5,529	3,593	486	1,450	7	6	1
Gander International	2,069	1,106	288	675	353	217	136
Halifax/Robert L Stanfield International	7,291	6,363	322	606	367	237	130
Hamilton	3,285	1,864	689	732	9	9	0
Kelowna	7,727	3,854	637	3,236	119	78	41
Kitchener/Waterloo	7,313	2,720	984	3,609	21	21	0
Langley	6,318	2,036	1,224	3,058	9	7	2
London	15,038	5,611	799	8,628	7	7	0
Moncton/Greater Moncton International	14,129	6,936	362	6,831	73	67	6
Montréal/Pierre Elliott Trudeau International	17,644	16,283	1,361	0	42	42	0
Montréal/St-Hubert	18,508	6,829	1,457	10,222	222	220	2
Oshawa	4,874	1,614	590	2,670	10	9	1
Ottawa/Macdonald-Cartier International	12,939	9,390	818	2,731	250	222	28
Pitt Meadows	12,803	4,046	1,550	7,207	94	94	0
Prince George	4,499	2,061	356	2,082	7	7	0
Québec/Jean Lesage International	11,978	6,673	1,434	3,871	192	191	1
Regina International	5,328	2,787	534	2,007	268	238	30
Saskatoon/John G Diefenbaker International	8,963	4,511	952	3,500	223	139	84
Sault Ste. Marie	6,097	2,258	262	3,577	52	39	13
St. John's International	2,669	2,273	168	228	247	229	18
St-Jean	2,382	603	543	1,236	317	317	0
Thunder Bay	7,937	4,655	274	3,008	78	56	22
Toronto/Buttonville Municipal	11,077	4,210	1,945	4,922	3	2	1
Toronto/City Centre	8,159	3,796	508	3,855	33	33	0
Toronto/Lester B Pearson International	33,433	32,319	1,114	0	11	11	0
Vancouver Harbour	4,903	4,866	35	2	12	12	0
Vancouver International	26,354	24,797	1,557	0	60	60	0
Victoria International	14,576	6,454	1,543	6,579	442	139	303
Whitehorse International	1,931	832	312	787	3	3	0
Windsor	2,457	1,243	358	856	0	0	0
Winnipeg/James Armstrong Richardson International	10,837	9,243	909	685	778	482	296
Winnipeg/St. Andrews	9,037	3,049	287	5,701	22	18	4
Yellowknife	4,539	3,397	184	958	154	36	118
<b>Total of NAV CANADA towers (41)</b>	<b>411,324</b>	<b>244,176</b>	<b>32,646</b>	<b>134,502</b>	<b>5,017</b>	<b>3,725</b>	<b>1,292</b>

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

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Brandon Municipal	1,629	469	364	796	269	247	22
Campbell River	3,146	1,494	470	1,182	27	27	0
Castlegar	1,334	890	100	344	6	6	0
Charlottetown	1,804	1,202	122	480	31	31	0
Churchill	861	841	12	8	0	0	0
Cranbrook	995	618	173	204	34	30	4
Deer Lake	1,439	1,358	17	64	4	4	0
Fort Nelson	1,432	1,109	129	194	7	7	0
Fort St John	3,175	1,319	264	1,592	0	0	0
Fredericton International	7,413	3,865	221	3,327	228	228	0
Grande Prairie	3,923	1,847	416	1,660	4	2	2
High Level	1,155	913	62	180	0	0	0
Îles-de-la-Madeleine	394	346	48	0	0	0	0
Inuvik/Mike Zubko	945	873	14	58	126	68	58
Iqaluit	1,394	1,272	90	32	22	22	0
Kamloops	3,100	1,448	510	1,142	23	23	0
Kenora	894	711	93	90	39	23	16
Kingston	2,970	1,366	292	1,312	53	53	0
Kuujuuaq	896	820	52	24	4	4	0
La Grande Rivière	738	704	32	2	0	0	0
La Ronge	1,156	843	191	122	66	66	0
Lethbridge	2,217	980	429	808	68	40	28
Lloydminster	1,143	286	339	518	6	6	0
Medicine Hat	1,814	980	260	574	44	44	0
Mont-Joli	373	328	35	10	2	2	0
Montréal/Mirabel International	2,234	1,281	364	589	56	42	14
Nanaimo	2,558	1,268	795	495	13	12	1
Norman Wells	952	791	19	142	0	0	0
North Bay	5,780	1,708	408	3,664	40	28	12
Ottawa/Gatineau	4,067	679	810	2,578	19	19	0
Peace River	1,090	511	59	520	4	4	0
Penticton	3,013	1,025	390	1,598	82	82	0
Port Hardy	544	378	114	52	28	28	0
Prince Albert	1,751	1,257	346	148	65	65	0
Prince Rupert	315	255	42	18	0	0	0
Rankin Inlet	1,100	1,082	18	0	0	0	0
Red Deer Regional	3,259	1,128	555	1,576	19	19	0
Rouyn-Noranda	1,504	885	165	454	2	2	0
Saint John	1,926	1,176	366	384	116	116	0
Sept-Îles	1,814	1,393	139	282	0	0	0
Sioux Lookout	2,480	2,271	59	150	0	0	0
Smithers	1,016	555	106	355	0	0	0
St Catharines	2,127	625	286	1,216	230	230	0
Sudbury	3,495	2,133	427	935	12	12	0
Terrace	1,079	808	71	200	0	0	0
Thompson	2,645	2,364	179	102	0	0	0
Timmins	2,189	1,735	208	246	2	2	0
Val-d'Or	1,871	878	215	778	4	4	0
Victoria Harbour	3,350	2,971	379	0	6	6	0
Wabush	621	590	31	0	2	2	0
Whitecourt	2,559	713	64	1,782	2	2	0
Williams Lake	871	562	149	160	60	18	42
<b>Total of all flight service stations (52)</b>	<b>102,550</b>	<b>57,904</b>	<b>11,499</b>	<b>33,147</b>	<b>1,825</b>	<b>1,626</b>	<b>199</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	5,992	557	3,237	947	1,075	122	54
Boundary Bay	8,499	1	1,960	4,883	1,587	41	27
Calgary International	19,205	16,166	947	611	1,152	137	192
Calgary/Springbank	6,318	35	847	4,062	1,340	6	28
Chicoutimi/St-Honoré	2,571	10	727	1,660	174	0	0
Edmonton City Centre	5,626	1,353	863	1,913	1,030	366	101
Edmonton International	10,314	9,391	372	88	395	13	55
Edmonton/Villeneuve	1,660	5	406	863	358	8	20
Fort McMurray	4,085	2,633	564	396	451	35	6
Gander International	1,611	445	636	25	203	85	217
Halifax/Robert L. Stanfield International	6,922	5,610	708	45	247	75	237
Hamilton	2,562	1,287	451	126	544	145	9
Kelowna	4,569	2,368	398	1,088	558	79	78
Kitchener/Waterloo	3,725	417	1,861	442	950	34	21
Langley	3,267	133	196	1,707	1,170	54	7
London	6,417	1,053	1,043	3,515	705	94	7
Moncton/Greater Moncton International	7,365	1,707	5,114	115	178	184	67
Montréal/Pierre Elliott Trudeau International	17,686	15,140	709	434	1,149	212	42
Montréal/St-Hubert	8,506	3,619	526	2,684	1,317	140	220
Oshawa	2,213	114	100	1,400	582	8	9
Ottawa/Macdonald-Cartier International	10,430	6,993	395	2,002	379	439	222
Pitt Meadows	5,690	16	1,702	2,328	1,466	84	94
Prince George	2,424	1,214	697	150	273	83	7
Québec/Jean Lesage International	8,298	3,894	1,867	912	937	497	191
Regina International	3,559	1,840	877	70	351	183	238
Saskatoon/John G. Diefenbaker International	5,602	2,773	1,120	618	601	351	139
Sault Ste. Marie	2,559	837	205	1,216	123	139	39
St. John's International	2,670	1,720	534	19	115	53	229
St-Jean	1,463	178	190	235	494	49	317
Thunder Bay	4,985	2,710	815	1,130	171	103	56
Toronto/Buttonville Municipal	6,157	358	593	3,259	1,889	56	2
Toronto/City Centre	4,337	1,784	838	1,174	491	17	33
Toronto/Lester B. Pearson International	33,444	31,725	393	201	1,102	12	11
Vancouver Harbour	4,913	4,526	286	54	31	4	12
Vancouver International	26,414	22,799	1,665	333	907	650	60
Victoria International	8,136	2,978	2,559	917	1,479	64	139
Whitehorse International	1,147	475	338	19	283	29	3
Windsor	1,601	526	574	143	343	15	0
Winnipeg/James Armstrong Richardson International	10,634	8,412	736	95	261	648	482
Winnipeg/St. Andrews	3,354	610	1,633	806	277	10	18
Yellowknife	3,617	2,962	393	42	94	90	36
<b>Total of NAV CANADA towers (41)</b>	<b>280,547</b>	<b>161,374</b>	<b>40,075</b>	<b>42,727</b>	<b>27,232</b>	<b>5,414</b>	<b>3,725</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	1,080	111	317	41	305	59	247
Campbell River	1,991	568	555	371	408	62	27
Castlegar	996	269	80	541	98	2	6
Charlottetown	1,355	654	305	243	77	45	31
Churchill	853	817	24	0	6	6	0
Cranbrook	821	540	40	38	164	9	30
Deer Lake	1,379	1,099	209	50	7	10	4
Fort Nelson	1,245	385	427	297	122	7	7
Fort St John	1,583	741	553	25	246	18	0
Fredericton International	4,314	762	2,898	205	140	81	228
Grande Prairie	2,265	1,173	601	73	388	28	2
High Level	975	174	712	27	46	16	0
Îles-de-la-Madeleine	394	216	114	16	6	42	0
Inuvik/Mike Zubko	955	260	611	2	0	14	68
Iqaluit	1,384	1,144	68	60	44	46	22
Kamloops	1,981	1,131	184	133	470	40	23
Kenora	827	369	326	16	59	34	23
Kingston	1,711	459	360	547	268	24	53
Kujjuaq	876	794	22	4	12	40	4
La Grande Rivière	736	591	109	4	16	16	0
La Ronge	1,100	825	8	10	26	165	66
Lethbridge	1,449	537	13	430	417	12	40
Lloydminster	631	110	147	29	313	26	6
Medicine Hat	1,284	793	76	111	244	16	44
Mont-Joli	365	247	61	20	17	18	2
Montréal/Mirabel International	1,687	764	330	187	349	15	42
Nanaimo	2,075	479	614	175	711	84	12
Norman Wells	810	596	177	18	11	8	0
North Bay	2,144	497	578	633	336	72	28
Ottawa/Gatineau	1,508	106	336	237	732	78	19
Peace River	574	318	175	18	46	13	4
Penticton	1,497	300	595	130	366	24	82
Port Hardy	520	340	26	12	63	51	28
Prince Albert	1,668	1,114	73	70	90	256	65
Prince Rupert	297	198	54	3	19	23	0
Rankin Inlet	1,100	1,040	40	2	10	8	0
Red Deer Regional	1,702	133	810	185	539	16	19
Rouyn-Noranda	1,052	573	186	126	133	32	2
Saint John	1,658	727	358	91	362	4	116
Sept-Îles	1,532	1,041	300	52	81	58	0
Sioux Lookout	2,330	1,863	343	65	41	18	0
Smithers	661	466	77	12	82	24	0
St Catharines	1,141	4	566	55	274	12	230
Sudbury	2,572	1,435	603	95	302	125	12
Terrace	879	568	208	32	41	30	0
Thompson	2,543	2,138	226	0	36	143	0
Timmins	1,945	1,454	270	11	186	22	2
Val-d'Or	1,097	706	111	61	190	25	4
Victoria Harbour	3,356	2,964	1	6	297	82	6
Wabush	623	518	70	2	28	3	2
Whitecourt	779	32	406	275	46	18	2
Williams Lake	729	454	36	72	143	6	18
<b>Total of all flight service stations (52)</b>	<b>71,029</b>	<b>35,597</b>	<b>16,389</b>	<b>5,918</b>	<b>9,413</b>	<b>2,086</b>	<b>1,626</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 number
	Total of IFR and VFR flights <sup>1</sup>	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	
Abbotsford	5,992	1,342	22.3	4,650	77.6	995
Boundary Bay	8,499	370	4.3	8,129	95.6	509
Calgary International	19,205	17,888	93.1	1,317	6.8	712
Calgary/Springbank	6,318	314	4.9	6,004	95.0	2,497
Chicoutimi/St-Honoré	2,571	108	4.2	2,463	95.7	32
Edmonton City Centre	5,626	2,374	42.1	3,252	57.8	1,312
Edmonton International	10,314	9,918	96.1	396	3.8	720
Edmonton/Villeneuve	1,660	10	0.6	1,650	99.3	167
Fort McMurray	4,085	2,157	52.8	1,928	47.1	115
Gander International	1,611	1,028	63.8	583	36.1	113
Halifax/Robert L. Stanfield International	6,922	6,108	88.2	814	11.7	290
Hamilton	2,562	1,737	67.7	825	32.2	707
Kelowna	4,569	2,595	56.7	1,974	43.2	815
Kitchener/Waterloo	3,725	859	23.0	2,866	76.9	417
Langley	3,267	7	0.2	3,260	99.7	1,112
London	6,417	1,432	22.3	4,985	77.6	462
Moncton/Greater Moncton International	7,365	2,355	31.9	5,010	68.0	190
Montréal/Pierre Elliott Trudeau International	17,686	17,069	96.5	617	3.4	1,242
Montréal/St-Hubert	8,506	1,410	16.5	7,096	83.4	1,174
Oshawa	2,213	72	3.2	2,141	96.7	481
Ottawa/Macdonald-Cartier International	10,430	7,759	74.3	2,671	25.6	714
Pitt Meadows	5,690	47	0.8	5,643	99.1	2,637
Prince George	2,424	1,289	53.1	1,135	46.8	271
Québec/Jean Lesage International	8,298	4,601	55.4	3,697	44.5	1,156
Regina International	3,559	2,349	66.0	1,210	33.9	89
Saskatoon/John G. Diefenbaker International	5,602	3,456	61.6	2,146	38.3	119
Sault Ste. Marie	2,559	1,151	44.9	1,408	55.0	96
St. John's International	2,670	2,340	87.6	330	12.3	60
St-Jean	1,463	280	19.1	1,183	80.8	183
Thunder Bay	4,985	3,160	63.3	1,825	36.6	159
Toronto/Buttonville Municipal	6,157	564	9.1	5,593	90.8	500
Toronto/City Centre	4,337	2,069	47.7	2,268	52.2	1,629
Toronto/Lester B. Pearson International	33,444	33,140	99.0	304	0.9	51
Vancouver Harbour	4,913	27	0.5	4,886	99.4	1,958
Vancouver International	26,414	18,937	71.6	7,477	28.3	8,162
Victoria International	8,136	3,316	40.7	4,820	59.2	3,410
Whitehorse International	1,147	335	29.2	812	70.7	120
Windsor	1,601	665	41.5	936	58.4	40
Winnipeg/James Armstrong Richardson International	10,634	8,836	83.0	1,798	16.9	483
Winnipeg/St. Andrews	3,354	95	2.8	3,259	97.1	158
Yellowknife	3,617	2,110	58.3	1,507	41.6	302
<b>Total of NAV CANADA towers (41)</b>	<b>280,547</b>	<b>165,679</b>	<b>59.1</b>	<b>114,868</b>	<b>40.9</b>	<b>36,359</b>

1. Total excludes runway 88 flights.

Table 4-2

## Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations

	Itinerant movements				Runway 88	
	Total of IFR and VFR flights <sup>1</sup>	Instrument flight rules	Percentage instrument flight rules	Visual flight rules		Percentage visual flight rules
	number		percent	number		percent
Brandon Municipal	1,080	186	17.2	894	82.7	6
Campbell River	1,991	474	23.8	1,517	76.1	277
Castlegar	996	258	25.9	738	74.0	121
Charlottetown	1,355	748	55.2	607	44.7	23
Churchill	853	802	94.0	51	5.9	6
Cranbrook	821	594	72.3	227	27.6	122
Deer Lake	1,379	1,257	91.1	122	8.8	4
Fort Nelson	1,245	424	34.0	821	65.9	105
Fort St John	1,583	758	47.8	825	52.1	96
Fredericton International	4,314	1,090	25.2	3,224	74.7	69
Grande Prairie	2,265	1,380	60.9	885	39.0	104
High Level	975	257	26.3	718	73.6	243
Îles-de-la-Madeleine	394	280	71.0	114	28.9	120
Inuvik/Mike Zubko	955	332	34.7	623	65.2	14
Iqaluit	1,384	1,143	82.5	241	17.4	4
Kamloops	1,981	1,197	60.4	784	39.5	219
Kenora	827	397	48.0	430	51.9	148
Kingston	1,711	603	35.2	1,108	64.7	111
Kuujuuaq	876	431	49.2	445	50.7	8
La Grande Rivière	736	571	77.5	165	22.4	72
La Ronge	1,100	594	54.0	506	46.0	185
Lethbridge	1,449	602	41.5	847	58.4	65
Lloydminster	631	188	29.7	443	70.2	26
Medicine Hat	1,284	351	27.3	933	72.6	203
Mont-Joli	365	292	80.0	73	20.0	17
Montréal/Mirabel International	1,687	1,086	64.3	601	35.6	432
Nanaimo	2,075	602	29.0	1,473	70.9	824
Norman Wells	810	164	20.2	646	79.7	61
North Bay	2,144	669	31.2	1,475	68.7	335
Ottawa/Gatineau	1,508	164	10.8	1,344	89.1	40
Peace River	574	250	43.5	324	56.4	61
Penticton	1,497	285	19.0	1,212	80.9	110
Port Hardy	520	204	39.2	316	60.7	99
Prince Albert	1,668	1,218	73.0	450	26.9	42
Prince Rupert	297	220	74.0	77	25.9	21
Rankin Inlet	1,100	988	89.8	112	10.1	1
Red Deer Regional	1,702	278	16.3	1,424	83.6	350
Rouyn-Noranda	1,052	761	72.3	291	27.6	48
Saint John	1,658	1,040	62.7	618	37.2	31
Sept-Îles	1,532	1,212	79.1	320	20.8	177
Sioux Lookout	2,330	1,737	74.5	593	25.4	78
Smithers	661	459	69.4	202	30.5	234
St Catharines	1,141	58	5.0	1,083	94.9	221
Sudbury	2,572	1,730	67.2	842	32.7	56
Terrace	879	571	64.9	308	35.0	107
Thompson	2,543	1,588	62.4	955	37.5	41
Timmins	1,945	1,618	83.1	327	16.8	64
Val-d'Or	1,097	738	67.2	359	32.7	222
Victoria Harbour	3,356	20	0.5	3,336	99.4	430
Wabush	623	595	95.5	28	4.4	31
Whitecourt	779	61	7.8	718	92.1	112
Williams Lake	729	438	60.0	291	39.9	93
<b>Total of all flight service stations (52)</b>	<b>71,029</b>	<b>33,963</b>	<b>47.8</b>	<b>37,066</b>	<b>52.2</b>	<b>6,689</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	5,992	438	793	3,667	1,073	21
Boundary Bay	8,499	0	105	8,014	378	2
Calgary International	19,205	13,431	4,330	821	623	0
Calgary/Springbank	6,318	41	104	5,152	1,021	0
Chicoutimi/St-Honoré	2,571	4	61	2,173	327	6
Edmonton City Centre	5,626	472	1,765	2,546	843	0
Edmonton International	10,314	6,696	3,224	376	18	0
Edmonton/Villeneuve	1,660	10	27	1,220	386	17
Fort McMurray	4,085	1,151	1,376	898	660	0
Gander International	1,611	502	479	491	139	0
Halifax/Robert L Stanfield International	6,922	4,083	1,731	637	471	0
Hamilton	2,562	1,129	522	758	153	0
Kelowna	4,569	1,477	1,155	1,467	468	2
Kitchener/Waterloo	3,725	173	464	2,826	262	0
Langley	3,267	0	117	2,593	556	1
London	6,417	273	1,021	4,945	178	0
Moncton/Greater Moncton International	7,365	1,053	763	5,429	120	0
Montréal/Pierre Elliott Trudeau International	17,686	12,004	4,937	560	185	0
Montréal/St-Hubert	8,506	226	693	6,995	592	0
Oshawa	2,213	3	41	2,071	97	1
Ottawa/Macdonald-Cartier International	10,430	5,595	2,184	2,281	369	1
Pitt Meadows	5,690	1	9	5,000	646	34
Prince George	2,424	471	892	386	674	1
Québec/Jean Lesage International	8,298	1,449	2,871	2,757	1,219	2
Regina International	3,559	1,453	632	1,440	34	0
Saskatoon/John G Diefenbaker International	5,602	1,738	1,555	2,265	44	0
Sault Ste. Marie	2,559	43	1,131	1,344	41	0
St. John's International	2,670	1,076	1,375	61	158	0
St-Jean	1,463	0	86	1,148	59	170
Thunder Bay	4,985	723	2,618	1,316	328	0
Toronto/Buttonville Municipal	6,157	55	289	5,257	556	0
Toronto/City Centre	4,337	6	2,099	1,875	357	0
Toronto/Lester B Pearson International	33,444	27,765	5,615	47	17	0
Vancouver Harbour	4,913	0	2,697	1,433	783	0
Vancouver International	26,414	11,608	9,378	3,907	1,521	0
Victoria International	8,136	1,138	2,186	4,487	325	0
Whitehorse International	1,147	172	296	551	128	0
Windsor	1,601	74	537	969	21	0
Winnipeg/James Armstrong Richardson International	10,634	4,987	4,141	1,164	342	0
Winnipeg/St. Andrews	3,354	0	393	2,729	232	0
Yellowknife	3,617	797	2,103	389	328	0
<b>Total of NAV CANADA towers (41)</b>	<b>280,547</b>	<b>102,317</b>	<b>66,795</b>	<b>94,445</b>	<b>16,732</b>	<b>258</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	1,080	41	190	665	44	140
Campbell River	1,991	71	646	794	480	0
Castlegar	996	18	266	637	75	0
Charlottetown	1,355	311	312	686	46	0
Churchill	853	4	821	6	22	0
Cranbrook	821	24	520	254	23	0
Deer Lake	1,379	198	1,055	72	54	0
Fort Nelson	1,245	38	380	159	668	0
Fort St John	1,583	262	519	274	528	0
Fredericton International	4,314	316	501	3,284	213	0
Grande Prairie	2,265	435	852	667	311	0
High Level	975	0	311	486	178	0
Îles-de-la-Madeleine	394	14	217	154	9	0
Inuvik/Mike Zubko	955	153	589	33	180	0
Iqaluit	1,384	343	962	21	58	0
Kamloops	1,981	92	1,102	504	283	0
Kenora	827	2	475	187	163	0
Kingston	1,711	16	574	1,004	115	2
Kuujuuaq	876	150	698	16	12	0
La Grande Rivière	736	22	685	23	6	0
La Ronge	1,100	6	883	199	12	0
Lethbridge	1,449	21	560	850	18	0
Lloydminster	631	6	161	443	21	0
Medicine Hat	1,284	14	417	716	137	0
Mont-Joli	365	23	282	50	10	0
Montréal/Mirabel International	1,687	593	335	503	256	0
Nanaimo	2,075	25	517	1,457	76	0
Norman Wells	810	138	292	266	114	0
North Bay	2,144	26	725	654	723	16
Ottawa/Gatineau	1,508	11	173	1,058	266	0
Peace River	574	8	234	152	180	0
Penticton	1,497	16	324	688	469	0
Port Hardy	520	16	317	110	77	0
Prince Albert	1,668	2	1,287	310	69	0
Prince Rupert	297	10	217	14	56	0
Rankin Inlet	1,100	150	906	4	40	0
Red Deer Regional	1,702	26	305	1,162	207	2
Rouyn-Noranda	1,052	91	699	208	54	0
Saint John	1,658	342	547	639	130	0
Sept-Îles	1,532	34	1,107	258	133	0
Sioux Lookout	2,330	0	1,944	368	18	0
Smithers	661	16	509	51	85	0
St Catharines	1,141	12	17	845	267	0
Sudbury	2,572	29	1,788	461	294	0
Terrace	879	30	583	38	228	0
Thompson	2,543	40	2,057	321	125	0
Timmins	1,945	10	1,702	215	18	0
Val-d'Or	1,097	129	636	220	112	0
Victoria Harbour	3,356	0	2,384	300	672	0
Wabush	623	12	559	42	10	0
Whitecourt	779	4	72	89	614	0
Williams Lake	729	6	484	205	34	0
<b>Total of all flight service stations (52)</b>	<b>71,029</b>	<b>4,356</b>	<b>34,698</b>	<b>22,822</b>	<b>8,993</b>	<b>160</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	4,030	515	319	272	142	244	466	4	0	0
Boundary Bay	7,874	491	131	0	3	0	0	0	0	0
Calgary International	1,008	491	1,250	1,919	1,064	3,763	7,942	784	342	642
Calgary/Springbank	5,631	443	203	23	8	9	1	0	0	0
Chicoutimi/St-Honoré	2,317	189	51	8	6	0	0	0	0	0
Edmonton City Centre	2,921	452	1,447	571	163	42	4	26	0	0
Edmonton International	263	204	482	861	496	2,409	4,672	546	216	165
Edmonton/Villeneuve	1,559	50	49	2	0	0	0	0	0	0
Fort McMurray	1,276	468	419	555	156	650	561	0	0	0
Gander International	399	18	130	235	339	301	38	79	10	62
Halifax/Robert L Stanfield International	361	304	365	1,016	896	1,409	1,849	359	128	235
Hamilton	694	397	128	286	104	21	418	3	435	76
Kelowna	1,708	221	250	603	44	713	1,010	2	18	0
Kitchener/Waterloo	2,856	262	277	51	191	26	62	0	0	0
Langley	3,015	182	42	2	26	0	0	0	0	0
London	4,886	216	298	76	680	112	149	0	0	0
Moncton/Greater Moncton International	5,332	228	264	304	168	520	277	0	272	0
Montréal/Pierre Elliott Trudeau International	517	208	545	851	2,629	5,624	4,309	1,401	70	1,532
Montréal/St-Hubert	6,724	704	755	150	161	0	6	2	4	0
Oshawa	2,049	111	45	0	6	2	0	0	0	0
Ottawa/Macdonald-Cartier International	2,320	149	960	261	540	2,859	2,532	461	103	245
Pitt Meadows	5,491	174	17	1	7	0	0	0	0	0
Prince George	832	129	291	594	14	379	184	1	0	0
Québec/Jean Lesage International	3,155	567	882	305	1,121	1,573	543	0	6	146
Regina International	1,109	375	268	389	60	472	788	5	93	0
Saskatoon/John G Diefenbaker International	1,874	471	662	627	162	842	906	4	54	0
Sault Ste. Marie	1,303	194	544	62	201	242	7	6	0	0
St. John's International	51	39	246	459	680	121	725	266	75	8
St-Jean	1,222	135	96	8	0	0	0	2	0	0
Thunder Bay	1,417	186	2,134	317	153	429	343	6	0	0
Toronto/Buttonville Municipal	5,432	395	227	61	33	8	0	0	0	1
Toronto/City Centre	1,872	161	639	26	0	1,638	0	1	0	0
Toronto/Lester B Pearson International	14	337	230	2,295	3,283	7,352	12,614	3,709	438	3,172
Vancouver Harbour	108	3,268	1,511	0	26	0	0	0	0	0
Vancouver International	1,452	4,757	1,222	2,877	1,865	4,503	5,936	1,113	434	2,255
Victoria International	3,927	942	240	461	858	1,028	621	9	48	2
Whitehorse International	619	106	95	56	3	104	164	0	0	0
Windsor	931	101	49	113	312	87	8	0	0	0
Winnipeg/James Armstrong Richardson International	648	520	3,021	380	832	1,657	2,580	295	600	101
Winnipeg/St. Andrews	2,666	497	166	7	6	0	2	10	0	0
Yellowknife	366	550	716	190	267	865	559	104	0	0
<b>Total of NAV CANADA towers (41)</b>	<b>92,229</b>	<b>20,207</b>	<b>21,666</b>	<b>17,274</b>	<b>17,705</b>	<b>40,004</b>	<b>50,276</b>	<b>9,198</b>	<b>3,346</b>	<b>8,642</b>

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	772	53	168	49	17	6	0	15	0	0
Campbell River	1,045	60	67	550	217	47	5	0	0	0
Castlegar	677	33	7	66	25	188	0	0	0	0
Charlottetown	569	192	38	127	120	243	66	0	0	0
Churchill	24	6	150	105	140	426	0	2	0	0
Cranbrook	213	64	43	248	113	138	2	0	0	0
Deer Lake	90	26	103	155	810	114	81	0	0	0
Fort Nelson	652	49	238	195	109	0	2	0	0	0
Fort St John	757	43	180	256	105	240	2	0	0	0
Fredericton International	3,165	162	246	121	133	445	38	0	0	4
Grande Prairie	756	237	407	209	37	436	181	2	0	0
High Level	535	139	167	134	0	0	0	0	0	0
Îles-de-la-Madeleine	6	155	49	34	122	28	0	0	0	0
Inuvik/Mike Zubko	189	8	511	35	4	67	112	29	0	0
Iqaluit	38	17	357	56	256	356	176	22	106	0
Kamloops	620	99	166	457	134	440	65	0	0	0
Kenora	166	57	586	2	8	6	0	2	0	0
Kingston	1,005	71	120	427	68	4	0	16	0	0
Kuujuuaq	20	8	559	4	96	75	5	2	107	0
La Grande Rivière	8	21	138	18	122	423	6	0	0	0
La Ronge	69	123	423	102	211	172	0	0	0	0
Lethbridge	700	162	99	380	85	21	0	2	0	0
Lloydminster	442	26	73	88	2	0	0	0	0	0
Medicine Hat	783	48	225	226	0	0	0	2	0	0
Mont-Joli	43	15	164	2	115	26	0	0	0	0
Montréal/Mirabel International	502	317	30	137	40	164	80	6	238	173
Nanaimo	1,222	361	46	104	58	280	4	0	0	0
Norman Wells	307	126	199	4	0	38	136	0	0	0
North Bay	1,292	192	304	97	165	92	0	2	0	0
Ottawa/Gatineau	1,205	122	69	91	9	4	0	8	0	0
Peace River	211	109	238	8	2	4	0	2	0	0
Penticton	983	149	56	123	8	178	0	0	0	0
Port Hardy	71	115	120	77	123	10	4	0	0	0
Prince Albert	163	119	307	352	346	381	0	0	0	0
Prince Rupert	17	53	25	32	60	110	0	0	0	0
Rankin Inlet	40	6	263	196	248	200	147	0	0	0
Red Deer Regional	1,149	139	220	69	13	23	87	2	0	0
Rouyn-Noranda	252	9	335	24	180	205	47	0	0	0
Saint John	478	208	186	291	111	305	77	2	0	0
Sept-Îles	178	193	390	176	480	105	10	0	0	0
Sioux Lookout	245	154	1,393	526	0	12	0	0	0	0
Smithers	130	20	113	220	51	127	0	0	0	0
St Catharines	1,048	66	13	6	6	0	0	2	0	0
Sudbury	441	363	1,272	133	85	274	4	0	0	0
Terrace	203	73	113	171	125	194	0	0	0	0
Thompson	150	542	1,209	23	297	314	0	8	0	0
Timmins	197	178	953	91	407	117	0	2	0	0
Val-d'Or	283	40	255	38	296	89	26	0	70	0
Victoria Harbour	26	1,979	1,318	0	33	0	0	0	0	0
Wabush	20	30	144	18	405	4	0	2	0	0
Whitecourt	650	44	68	14	0	2	1	0	0	0
Williams Lake	230	7	78	389	7	4	14	0	0	0
<b>Total of all flight service stations (52)</b>	<b>25,037</b>	<b>7,588</b>	<b>15,001</b>	<b>7,456</b>	<b>6,604</b>	<b>7,137</b>	<b>1,378</b>	<b>130</b>	<b>521</b>	<b>177</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	5,937	557	3,218	947	1,039	122	54
Transborder	54	0	19	0	35	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>5,992</b>	<b>557</b>	<b>3,237</b>	<b>947</b>	<b>1,075</b>	<b>122</b>	<b>54</b>
<b>Boundary Bay</b>							
Domestic	8,440	1	1,958	4,867	1,546	41	27
Transborder	57	0	1	16	40	0	0
Other international	2	0	1	0	1	0	0
<b>Total</b>	<b>8,499</b>	<b>1</b>	<b>1,960</b>	<b>4,883</b>	<b>1,587</b>	<b>41</b>	<b>27</b>
<b>Calgary International</b>							
Domestic	15,079	12,432	851	586	889	135	186
Transborder	3,518	3,134	95	20	262	2	5
Other international	608	600	1	5	1	0	1
<b>Total</b>	<b>19,205</b>	<b>16,166</b>	<b>947</b>	<b>611</b>	<b>1,152</b>	<b>137</b>	<b>192</b>
<b>Calgary/Springbank</b>							
Domestic	6,259	34	845	4,055	1,291	6	28
Transborder	58	1	2	6	49	0	0
Other international	1	0	0	1	0	0	0
<b>Total</b>	<b>6,318</b>	<b>35</b>	<b>847</b>	<b>4,062</b>	<b>1,340</b>	<b>6</b>	<b>28</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	2,570	10	726	1,660	174	0	0
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,571</b>	<b>10</b>	<b>727</b>	<b>1,660</b>	<b>174</b>	<b>0</b>	<b>0</b>
<b>Edmonton City Centre</b>							
Domestic	5,584	1,351	856	1,912	1,000	364	101
Transborder	41	2	7	0	30	2	0
Other international	1	0	0	1	0	0	0
<b>Total</b>	<b>5,626</b>	<b>1,353</b>	<b>863</b>	<b>1,913</b>	<b>1,030</b>	<b>366</b>	<b>101</b>
<b>Edmonton International</b>							
Domestic	8,538	7,686	355	87	352	13	45
Transborder	1,477	1,409	17	1	40	0	10
Other international	299	296	0	0	3	0	0
<b>Total</b>	<b>10,314</b>	<b>9,391</b>	<b>372</b>	<b>88</b>	<b>395</b>	<b>13</b>	<b>55</b>
<b>Edmonton/Villeneuve</b>							
Domestic	1,658	5	406	863	356	8	20
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,660</b>	<b>5</b>	<b>406</b>	<b>863</b>	<b>358</b>	<b>8</b>	<b>20</b>
<b>Fort McMurray</b>							
Domestic	4,081	2,630	564	396	450	35	6
Transborder	3	2	0	0	1	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>4,085</b>	<b>2,633</b>	<b>564</b>	<b>396</b>	<b>451</b>	<b>35</b>	<b>6</b>
<b>Gander International</b>							
Domestic	1,171	340	631	2	21	85	92
Transborder	191	37	0	10	87	0	57
Other international	249	68	5	13	95	0	68
<b>Total</b>	<b>1,611</b>	<b>445</b>	<b>636</b>	<b>25</b>	<b>203</b>	<b>85</b>	<b>217</b>
<b>Halifax/Robert L Stanfield International</b>							
Domestic	5,411	4,336	592	40	174	72	197
Transborder	873	781	0	3	66	0	23
Other international	638	493	116	2	7	3	17
<b>Total</b>	<b>6,922</b>	<b>5,610</b>	<b>708</b>	<b>45</b>	<b>247</b>	<b>75</b>	<b>237</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>Hamilton</b>							
Domestic	2,151	1,026	395	123	457	143	7
Transborder	386	244	56	2	80	2	2
Other international	25	17	0	1	7	0	0
<b>Total</b>	<b>2,562</b>	<b>1,287</b>	<b>451</b>	<b>126</b>	<b>544</b>	<b>145</b>	<b>9</b>
<b>Kelowna</b>							
Domestic	4,298	2,152	387	1,086	516	79	78
Transborder	257	203	11	2	41	0	0
Other international	14	13	0	0	1	0	0
<b>Total</b>	<b>4,569</b>	<b>2,368</b>	<b>398</b>	<b>1,088</b>	<b>558</b>	<b>79</b>	<b>78</b>
<b>Kitchener/Waterloo</b>							
Domestic	3,404	253	1,823	440	834	34	20
Transborder	314	164	38	1	111	0	0
Other international	7	0	0	1	5	0	1
<b>Total</b>	<b>3,725</b>	<b>417</b>	<b>1,861</b>	<b>442</b>	<b>950</b>	<b>34</b>	<b>21</b>
<b>Langley</b>							
Domestic	3,247	132	196	1,707	1,151	54	7
Transborder	8	0	0	0	8	0	0
Other international	12	1	0	0	11	0	0
<b>Total</b>	<b>3,267</b>	<b>133</b>	<b>196</b>	<b>1,707</b>	<b>1,170</b>	<b>54</b>	<b>7</b>
<b>London</b>							
Domestic	6,124	855	1,039	3,514	619	90	7
Transborder	289	198	4	1	82	4	0
Other international	4	0	0	0	4	0	0
<b>Total</b>	<b>6,417</b>	<b>1,053</b>	<b>1,043</b>	<b>3,515</b>	<b>705</b>	<b>94</b>	<b>7</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	7,251	1,604	5,111	115	171	183	67
Transborder	65	59	0	0	6	0	0
Other international	49	44	3	0	1	1	0
<b>Total</b>	<b>7,365</b>	<b>1,707</b>	<b>5,114</b>	<b>115</b>	<b>178</b>	<b>184</b>	<b>67</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	9,601	7,850	572	288	645	212	34
Transborder	5,951	5,284	111	108	444	0	4
Other international	2,134	2,006	26	38	60	0	4
<b>Total</b>	<b>17,686</b>	<b>15,140</b>	<b>709</b>	<b>434</b>	<b>1,149</b>	<b>212</b>	<b>42</b>
<b>Montréal/St-Hubert</b>							
Domestic	8,326	3,600	522	2,677	1,172	135	220
Transborder	173	19	4	7	138	5	0
Other international	7	0	0	0	7	0	0
<b>Total</b>	<b>8,506</b>	<b>3,619</b>	<b>526</b>	<b>2,684</b>	<b>1,317</b>	<b>140</b>	<b>220</b>
<b>Oshawa</b>							
Domestic	2,185	106	99	1,396	567	8	9
Transborder	26	8	1	4	13	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>2,213</b>	<b>114</b>	<b>100</b>	<b>1,400</b>	<b>582</b>	<b>8</b>	<b>9</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	8,157	4,887	377	1,987	295	429	182
Transborder	2,050	1,905	16	15	83	10	21
Other international	223	201	2	0	1	0	19
<b>Total</b>	<b>10,430</b>	<b>6,993</b>	<b>395</b>	<b>2,002</b>	<b>379</b>	<b>439</b>	<b>222</b>
<b>Pitt Meadows</b>							
Domestic	5,665	16	1,698	2,328	1,445	84	94
Transborder	22	0	4	0	18	0	0
Other international	3	0	0	0	3	0	0
<b>Total</b>	<b>5,690</b>	<b>16</b>	<b>1,702</b>	<b>2,328</b>	<b>1,466</b>	<b>84</b>	<b>94</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>Prince George</b>							
Domestic	2,413	1,214	695	149	266	83	6
Transborder	8	0	0	0	7	0	1
Other international	3	0	2	1	0	0	0
<b>Total</b>	<b>2,424</b>	<b>1,214</b>	<b>697</b>	<b>150</b>	<b>273</b>	<b>83</b>	<b>7</b>
<b>Québec/Jean Lesage International</b>							
Domestic	7,537	3,253	1,854	906	860	495	169
Transborder	444	402	5	2	33	0	2
Other international	317	239	8	4	44	2	20
<b>Total</b>	<b>8,298</b>	<b>3,894</b>	<b>1,867</b>	<b>912</b>	<b>937</b>	<b>497</b>	<b>191</b>
<b>Regina International</b>							
Domestic	3,328	1,677	877	69	287	181	237
Transborder	214	146	0	1	64	2	1
Other international	17	17	0	0	0	0	0
<b>Total</b>	<b>3,559</b>	<b>1,840</b>	<b>877</b>	<b>70</b>	<b>351</b>	<b>183</b>	<b>238</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	5,344	2,556	1,117	613	568	351	139
Transborder	247	206	3	5	33	0	0
Other international	11	11	0	0	0	0	0
<b>Total</b>	<b>5,602</b>	<b>2,773</b>	<b>1,120</b>	<b>618</b>	<b>601</b>	<b>351</b>	<b>139</b>
<b>Sault Ste. Marie</b>							
Domestic	2,531	834	203	1,206	112	139	37
Transborder	25	0	2	10	11	0	2
Other international	3	3	0	0	0	0	0
<b>Total</b>	<b>2,559</b>	<b>837</b>	<b>205</b>	<b>1,216</b>	<b>123</b>	<b>139</b>	<b>39</b>
<b>St. John's International</b>							
Domestic	2,256	1,534	531	13	57	50	71
Transborder	189	78	1	2	25	1	82
Other international	225	108	2	4	33	2	76
<b>Total</b>	<b>2,670</b>	<b>1,720</b>	<b>534</b>	<b>19</b>	<b>115</b>	<b>53</b>	<b>229</b>
<b>St-Jean</b>							
Domestic	1,463	178	190	235	494	49	317
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,463</b>	<b>178</b>	<b>190</b>	<b>235</b>	<b>494</b>	<b>49</b>	<b>317</b>
<b>Thunder Bay</b>							
Domestic	4,842	2,590	812	1,128	155	103	54
Transborder	143	120	3	2	16	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,985</b>	<b>2,710</b>	<b>815</b>	<b>1,130</b>	<b>171</b>	<b>103</b>	<b>56</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	5,945	330	568	3,253	1,736	56	2
Transborder	210	28	25	6	151	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>6,157</b>	<b>358</b>	<b>593</b>	<b>3,259</b>	<b>1,889</b>	<b>56</b>	<b>2</b>
<b>Toronto/City Centre</b>							
Domestic	3,621	1,207	818	1,170	376	17	33
Transborder	703	577	16	2	108	0	0
Other international	13	0	4	2	7	0	0
<b>Total</b>	<b>4,337</b>	<b>1,784</b>	<b>838</b>	<b>1,174</b>	<b>491</b>	<b>17</b>	<b>33</b>
<b>Toronto/Lester B Pearson International</b>							
Domestic	14,374	13,563	262	112	416	12	9
Transborder	14,755	13,905	120	68	660	0	2
Other international	4,315	4,257	11	21	26	0	0
<b>Total</b>	<b>33,444</b>	<b>31,725</b>	<b>393</b>	<b>201</b>	<b>1,102</b>	<b>12</b>	<b>11</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>Vancouver Harbour</b>							
Domestic	4,910	4,525	286	53	30	4	12
Transborder	1	1	0	0	0	0	0
Other international	2	0	0	1	1	0	0
<b>Total</b>	<b>4,913</b>	<b>4,526</b>	<b>286</b>	<b>54</b>	<b>31</b>	<b>4</b>	<b>12</b>
<b>Vancouver International</b>							
Domestic	20,426	17,136	1,638	316	653	629	54
Transborder	4,389	4,112	20	11	240	2	4
Other international	1,599	1,551	7	6	14	19	2
<b>Total</b>	<b>26,414</b>	<b>22,799</b>	<b>1,665</b>	<b>333</b>	<b>907</b>	<b>650</b>	<b>60</b>
<b>Victoria International</b>							
Domestic	7,434	2,521	2,524	904	1,284	63	138
Transborder	661	456	23	10	172	0	0
Other international	41	1	12	3	23	1	1
<b>Total</b>	<b>8,136</b>	<b>2,978</b>	<b>2,559</b>	<b>917</b>	<b>1,479</b>	<b>64</b>	<b>139</b>
<b>Whitehorse International</b>							
Domestic	1,092	466	338	17	244	25	2
Transborder	53	9	0	0	39	4	1
Other international	2	0	0	2	0	0	0
<b>Total</b>	<b>1,147</b>	<b>475</b>	<b>338</b>	<b>19</b>	<b>283</b>	<b>29</b>	<b>3</b>
<b>Windsor</b>							
Domestic	1,516	510	557	143	291	15	0
Transborder	73	12	14	0	47	0	0
Other international	12	4	3	0	5	0	0
<b>Total</b>	<b>1,601</b>	<b>526</b>	<b>574</b>	<b>143</b>	<b>343</b>	<b>15</b>	<b>0</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	9,375	7,293	715	81	185	642	459
Transborder	1,188	1,053	20	14	75	6	20
Other international	71	66	1	0	1	0	3
<b>Total</b>	<b>10,634</b>	<b>8,412</b>	<b>736</b>	<b>95</b>	<b>261</b>	<b>648</b>	<b>482</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,346	609	1,630	805	274	10	18
Transborder	5	0	2	1	2	0	0
Other international	3	1	1	0	1	0	0
<b>Total</b>	<b>3,354</b>	<b>610</b>	<b>1,633</b>	<b>806</b>	<b>277</b>	<b>10</b>	<b>18</b>
<b>Yellowknife</b>							
Domestic	3,428	2,872	322	41	85	83	25
Transborder	1	0	1	0	0	0	0
Other international	188	90	70	1	9	7	11
<b>Total</b>	<b>3,617</b>	<b>2,962</b>	<b>393</b>	<b>42</b>	<b>94</b>	<b>90</b>	<b>36</b>
<b>Total of NAV CANADA towers (41)</b>							
Domestic	230,318	116,731	39,158	42,290	23,537	5,339	3,263
Transborder	39,125	34,555	642	330	3,319	40	239
Other international	11,104	10,088	275	107	376	35	223
<b>Total</b>	<b>280,547</b>	<b>161,374</b>	<b>40,075</b>	<b>42,727</b>	<b>27,232</b>	<b>5,414</b>	<b>3,725</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	1,071	111	317	41	296	59	247
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,080</b>	<b>111</b>	<b>317</b>	<b>41</b>	<b>305</b>	<b>59</b>	<b>247</b>
<b>Campbell River</b>							
Domestic	1,956	568	554	371	374	62	27
Transborder	35	0	1	0	34	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,991</b>	<b>568</b>	<b>555</b>	<b>371</b>	<b>408</b>	<b>62</b>	<b>27</b>
<b>Castlegar</b>							
Domestic	987	267	79	541	92	2	6
Transborder	9	2	1	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>996</b>	<b>269</b>	<b>80</b>	<b>541</b>	<b>98</b>	<b>2</b>	<b>6</b>
<b>Charlottetown</b>							
Domestic	1,342	650	304	243	69	45	31
Transborder	8	0	0	0	8	0	0
Other international	5	4	1	0	0	0	0
<b>Total</b>	<b>1,355</b>	<b>654</b>	<b>305</b>	<b>243</b>	<b>77</b>	<b>45</b>	<b>31</b>
<b>Churchill</b>							
Domestic	853	817	24	0	6	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>853</b>	<b>817</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0</b>
<b>Cranbrook</b>							
Domestic	804	538	37	38	153	9	29
Transborder	17	2	3	0	11	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>821</b>	<b>540</b>	<b>40</b>	<b>38</b>	<b>164</b>	<b>9</b>	<b>30</b>
<b>Deer Lake</b>							
Domestic	1,373	1,094	208	50	7	10	4
Transborder	0	0	0	0	0	0	0
Other international	6	5	1	0	0	0	0
<b>Total</b>	<b>1,379</b>	<b>1,099</b>	<b>209</b>	<b>50</b>	<b>7</b>	<b>10</b>	<b>4</b>
<b>Fort Nelson</b>							
Domestic	1,245	385	427	297	122	7	7
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,245</b>	<b>385</b>	<b>427</b>	<b>297</b>	<b>122</b>	<b>7</b>	<b>7</b>
<b>Fort St John</b>							
Domestic	1,582	741	553	25	245	18	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,583</b>	<b>741</b>	<b>553</b>	<b>25</b>	<b>246</b>	<b>18</b>	<b>0</b>
<b>Fredericton International</b>							
Domestic	4,285	746	2,897	204	130	81	227
Transborder	14	1	1	1	10	0	1
Other international	15	15	0	0	0	0	0
<b>Total</b>	<b>4,314</b>	<b>762</b>	<b>2,898</b>	<b>205</b>	<b>140</b>	<b>81</b>	<b>228</b>
<b>Grande Prairie</b>							
Domestic	2,261	1,172	601	73	385	28	2
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,265</b>	<b>1,173</b>	<b>601</b>	<b>73</b>	<b>388</b>	<b>28</b>	<b>2</b>

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>High Level</b>							
Domestic	975	174	712	27	46	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>975</b>	<b>174</b>	<b>712</b>	<b>27</b>	<b>46</b>	<b>16</b>	<b>0</b>
<b>Îles-de-la-Madeleine</b>							
Domestic	394	216	114	16	6	42	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>394</b>	<b>216</b>	<b>114</b>	<b>16</b>	<b>6</b>	<b>42</b>	<b>0</b>
<b>Inuvik/Mike Zubko</b>							
Domestic	950	257	609	2	0	14	68
Transborder	5	3	2	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>955</b>	<b>260</b>	<b>611</b>	<b>2</b>	<b>0</b>	<b>14</b>	<b>68</b>
<b>Iqaluit</b>							
Domestic	1,311	1,120	58	56	23	46	8
Transborder	28	9	10	0	5	0	4
Other international	45	15	0	4	16	0	10
<b>Total</b>	<b>1,384</b>	<b>1,144</b>	<b>68</b>	<b>60</b>	<b>44</b>	<b>46</b>	<b>22</b>
<b>Kamloops</b>							
Domestic	1,960	1,130	183	133	451	40	23
Transborder	21	1	1	0	19	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,981</b>	<b>1,131</b>	<b>184</b>	<b>133</b>	<b>470</b>	<b>40</b>	<b>23</b>
<b>Kenora</b>							
Domestic	827	369	326	16	59	34	23
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>827</b>	<b>369</b>	<b>326</b>	<b>16</b>	<b>59</b>	<b>34</b>	<b>23</b>
<b>Kingston</b>							
Domestic	1,694	455	358	547	257	24	53
Transborder	17	4	2	0	11	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,711</b>	<b>459</b>	<b>360</b>	<b>547</b>	<b>268</b>	<b>24</b>	<b>53</b>
<b>Kuujuaq</b>							
Domestic	875	794	22	4	11	40	4
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>876</b>	<b>794</b>	<b>22</b>	<b>4</b>	<b>12</b>	<b>40</b>	<b>4</b>
<b>La Grande Rivière</b>							
Domestic	736	591	109	4	16	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>736</b>	<b>591</b>	<b>109</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>0</b>
<b>La Ronge</b>							
Domestic	1,099	825	8	10	25	165	66
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,100</b>	<b>825</b>	<b>8</b>	<b>10</b>	<b>26</b>	<b>165</b>	<b>66</b>
<b>Lethbridge</b>							
Domestic	1,397	537	13	430	369	12	36
Transborder	52	0	0	0	48	0	4
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,449</b>	<b>537</b>	<b>13</b>	<b>430</b>	<b>417</b>	<b>12</b>	<b>40</b>
<b>Lloydminster</b>							
Domestic	631	110	147	29	313	26	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>631</b>	<b>110</b>	<b>147</b>	<b>29</b>	<b>313</b>	<b>26</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>Medicine Hat</b>							
Domestic	1,281	793	76	111	242	16	43
Transborder	3	0	0	0	2	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,284</b>	<b>793</b>	<b>76</b>	<b>111</b>	<b>244</b>	<b>16</b>	<b>44</b>
<b>Mont-Joli</b>							
Domestic	365	247	61	20	17	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>365</b>	<b>247</b>	<b>61</b>	<b>20</b>	<b>17</b>	<b>18</b>	<b>2</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,502	598	330	187	331	15	41
Transborder	179	160	0	0	18	0	1
Other international	6	6	0	0	0	0	0
<b>Total</b>	<b>1,687</b>	<b>764</b>	<b>330</b>	<b>187</b>	<b>349</b>	<b>15</b>	<b>42</b>
<b>Nanaimo</b>							
Domestic	2,021	476	611	175	663	84	12
Transborder	53	3	3	0	47	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>2,075</b>	<b>479</b>	<b>614</b>	<b>175</b>	<b>711</b>	<b>84</b>	<b>12</b>
<b>Norman Wells</b>							
Domestic	810	596	177	18	11	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>810</b>	<b>596</b>	<b>177</b>	<b>18</b>	<b>11</b>	<b>8</b>	<b>0</b>
<b>North Bay</b>							
Domestic	2,124	495	576	631	323	72	27
Transborder	20	2	2	2	13	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,144</b>	<b>497</b>	<b>578</b>	<b>633</b>	<b>336</b>	<b>72</b>	<b>28</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,508	106	336	237	732	78	19
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,508</b>	<b>106</b>	<b>336</b>	<b>237</b>	<b>732</b>	<b>78</b>	<b>19</b>
<b>Peace River</b>							
Domestic	574	318	175	18	46	13	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>574</b>	<b>318</b>	<b>175</b>	<b>18</b>	<b>46</b>	<b>13</b>	<b>4</b>
<b>Penticton</b>							
Domestic	1,484	300	590	130	358	24	82
Transborder	12	0	5	0	7	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>1,497</b>	<b>300</b>	<b>595</b>	<b>130</b>	<b>366</b>	<b>24</b>	<b>82</b>
<b>Port Hardy</b>							
Domestic	500	340	26	12	46	51	25
Transborder	20	0	0	0	17	0	3
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>520</b>	<b>340</b>	<b>26</b>	<b>12</b>	<b>63</b>	<b>51</b>	<b>28</b>
<b>Prince Albert</b>							
Domestic	1,668	1,114	73	70	90	256	65
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,668</b>	<b>1,114</b>	<b>73</b>	<b>70</b>	<b>90</b>	<b>256</b>	<b>65</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	290	198	53	3	13	23	0
Transborder	7	0	1	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>297</b>	<b>198</b>	<b>54</b>	<b>3</b>	<b>19</b>	<b>23</b>	<b>0</b>
<b>Rankin Inlet</b>							
Domestic	1,100	1,040	40	2	10	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,100</b>	<b>1,040</b>	<b>40</b>	<b>2</b>	<b>10</b>	<b>8</b>	<b>0</b>
<b>Red Deer Regional</b>							
Domestic	1,696	133	809	185	534	16	19
Transborder	6	0	1	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,702</b>	<b>133</b>	<b>810</b>	<b>185</b>	<b>539</b>	<b>16</b>	<b>19</b>
<b>Rouyn-Noranda</b>							
Domestic	1,052	573	186	126	133	32	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,052</b>	<b>573</b>	<b>186</b>	<b>126</b>	<b>133</b>	<b>32</b>	<b>2</b>
<b>Saint John</b>							
Domestic	1,543	713	357	87	266	4	116
Transborder	99	2	1	4	92	0	0
Other international	16	12	0	0	4	0	0
<b>Total</b>	<b>1,658</b>	<b>727</b>	<b>358</b>	<b>91</b>	<b>362</b>	<b>4</b>	<b>116</b>
<b>Sept-Îles</b>							
Domestic	1,530	1,041	300	52	79	58	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,532</b>	<b>1,041</b>	<b>300</b>	<b>52</b>	<b>81</b>	<b>58</b>	<b>0</b>
<b>Sioux Lookout</b>							
Domestic	2,328	1,862	343	65	40	18	0
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,330</b>	<b>1,863</b>	<b>343</b>	<b>65</b>	<b>41</b>	<b>18</b>	<b>0</b>
<b>Smithers</b>							
Domestic	656	466	77	12	77	24	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>661</b>	<b>466</b>	<b>77</b>	<b>12</b>	<b>82</b>	<b>24</b>	<b>0</b>
<b>St Catharines</b>							
Domestic	1,109	4	556	54	253	12	230
Transborder	32	0	10	1	21	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,141</b>	<b>4</b>	<b>566</b>	<b>55</b>	<b>274</b>	<b>12</b>	<b>230</b>
<b>Sudbury</b>							
Domestic	2,555	1,431	601	92	296	123	12
Transborder	17	4	2	3	6	2	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,572</b>	<b>1,435</b>	<b>603</b>	<b>95</b>	<b>302</b>	<b>125</b>	<b>12</b>
<b>Terrace</b>							
Domestic	878	568	208	32	40	30	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>879</b>	<b>568</b>	<b>208</b>	<b>32</b>	<b>41</b>	<b>30</b>	<b>0</b>



Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Thompson</b>							
Domestic	2,543	2,138	226	0	36	143	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,543</b>	<b>2,138</b>	<b>226</b>	<b>0</b>	<b>36</b>	<b>143</b>	<b>0</b>
<b>Timmins</b>							
Domestic	1,945	1,454	270	11	186	22	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,945</b>	<b>1,454</b>	<b>270</b>	<b>11</b>	<b>186</b>	<b>22</b>	<b>2</b>
<b>Val-d'Or</b>							
Domestic	1,096	705	111	61	190	25	4
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,097</b>	<b>706</b>	<b>111</b>	<b>61</b>	<b>190</b>	<b>25</b>	<b>4</b>
<b>Victoria Harbour</b>							
Domestic	3,077	2,964	1	6	18	82	6
Transborder	279	0	0	0	279	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,356</b>	<b>2,964</b>	<b>1</b>	<b>6</b>	<b>297</b>	<b>82</b>	<b>6</b>
<b>Wabush</b>							
Domestic	623	518	70	2	28	3	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>623</b>	<b>518</b>	<b>70</b>	<b>2</b>	<b>28</b>	<b>3</b>	<b>2</b>
<b>Whitecourt</b>							
Domestic	779	32	406	275	46	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>779</b>	<b>32</b>	<b>406</b>	<b>275</b>	<b>46</b>	<b>18</b>	<b>2</b>
<b>Williams Lake</b>							
Domestic	725	454	36	72	139	6	18
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>729</b>	<b>454</b>	<b>36</b>	<b>72</b>	<b>143</b>	<b>6</b>	<b>18</b>
<b>Total of all flight service stations (52)</b>							
Domestic	69,970	35,344	16,341	5,903	8,698	2,084	1,600
Transborder	962	195	46	11	692	2	16
Other international	97	58	2	4	23	0	10
<b>Total</b>	<b>71,029</b>	<b>35,597</b>	<b>16,389</b>	<b>5,918</b>	<b>9,413</b>	<b>2,086</b>	<b>1,626</b>

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	11	13,384	21	14	107	7	762
Boundary Bay	4	18,949	18	13	115	24	936
Calgary International	3	19,390	13	18	59	16	766
Calgary/Springbank	7	15,066	29	11	136	6	889
Chicoutimi/St-Honoré	22	7,858	29	14	98	24	570
Edmonton City Centre	28	6,208	24	13	43	29	395
Edmonton International	17	10,586	9	12	53	9	450
Edmonton/Villeneuve	24	7,792	24	11	93	7	467
Fort McMurray	31	5,536	6	17	59	23	293
Gander International	40	2,422	24	21	112	24	191
Halifax/Robert L Stanfield International	25	7,658	30	20	62	30	459
Hamilton	36	3,294	15	10	34	15	196
Kelowna	23	7,846	3	10	65	23	399
Kitchener/Waterloo	26	7,334	2	14	70	29	632
Langley	27	6,327	18	16	67	18	366
London	8	15,045	27	0	164	29	1,204
Moncton/Greater Moncton International	10	14,202	27	19	78	27	904
Montréal/Pierre Elliott Trudeau International	6	17,686	22	18	58	2	687
Montréal/St-Hubert	5	18,730	26	16	135	29	1,440
Oshawa	33	4,884	10	13	64	2	344
Ottawa/Macdonald-Cartier International	12	13,189	2	13	86	29	718
Pitt Meadows	13	12,897	18	14	145	18	921
Prince George	35	4,506	4	14	74	16	287
Québec/Jean Lesage International	14	12,170	29	9	101	29	757
Regina International	30	5,596	18	11	51	3	285
Saskatoon/John G Diefenbaker International	18	9,186	1	13	62	5	501
Sault Ste. Marie	29	6,149	28	12	66	28	450
St. John's International	37	2,916	15	13	25	24	134
St-Jean	38	2,699	16	18	72	16	297
Thunder Bay	21	8,015	24	13	83	24	564
Toronto/Buttonville Municipal	16	11,080	13	11	102	29	952
Toronto/City Centre	20	8,192	17	16	79	29	507
Toronto/Lester B Pearson International	1	33,444	16	18	94	9	1,221
Vancouver Harbour	32	4,915	6	16	27	30	208
Vancouver International	2	26,414	23	17	89	23	1,019
Victoria International	9	15,018	21	11	97	14	689
Whitehorse International	41	1,934	12	22	48	15	123
Windsor	39	2,457	17	11	37	17	204
Winnipeg/James Armstrong Richardson International	15	11,615	16	13	59	22	574
Winnipeg/St. Andrews	19	9,059	6	17	80	6	549
Yellowknife	34	4,693	23	16	40	23	238

**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	22	1,898	6	15	49	6	243
Campbell River	9	3,173	28	13	48	28	250
Castlegar	32	1,340	9	15	34	29	107
Charlottetown	25	1,835	1	22	25	25	167
Churchill	46	861	27	20	10	27	50
Cranbrook	40	1,029	10	11	24	10	88
Deer Lake	29	1,443	21	14	24	21	84
Fort Nelson	30	1,439	7	17	27	9	107
Fort St John	8	3,175	4	11	66	2	278
Fredericton International	1	7,641	30	11	56	16	675
Grande Prairie	4	3,927	19	17	49	28	274
High Level	34	1,155	2	13	40	2	100
Îles-de-la-Madeleine	50	394	10	15	5	1	24
Inuvik/Mike Zubko	39	1,071	1	16	31	1	78
Iqaluit	31	1,416	1	20	14	17	66
Kamloops	10	3,123	7	10	47	15	259
Kenora	43	933	7	14	17	7	75
Kingston	12	3,023	27	12	46	29	179
Kuujuuaq	45	900	2	15	7	3	51
La Grande Rivière	47	738	22	15	12	21	42
La Ronge	33	1,222	4	18	14	16	86
Lethbridge	19	2,285	7	21	48	7	202
Lloydminster	35	1,149	6	17	24	16	85
Medicine Hat	24	1,858	4	11	31	4	143
Mont-Joli	51	375	1	10	7	30	23
Montréal/Mirabel International	18	2,290	7	14	33	15	144
Nanaimo	14	2,571	18	9	35	18	224
Norman Wells	42	952	30	16	33	30	117
North Bay	2	5,820	13	16	89	13	460
Ottawa/Gatineau	3	4,086	2	16	66	2	328
Peace River	37	1,094	16	11	69	16	157
Penticton	11	3,095	28	16	56	8	228
Port Hardy	49	572	30	10	21	30	71
Prince Albert	26	1,816	27	16	26	28	132
Prince Rupert	52	315	30	16	17	30	31
Rankin Inlet	36	1,100	17	13	12	24	62
Red Deer Regional	7	3,278	3	15	47	16	301
Rouyn-Noranda	28	1,506	16	12	37	16	114
Saint John	21	2,042	30	9	34	16	151
Sept-Îles	27	1,814	29	16	38	20	128
Sioux Lookout	16	2,480	10	18	24	9	124
Smithers	41	1,016	23	15	55	24	154
St Catharines	17	2,357	20	14	121	29	190
Sudbury	5	3,507	10	17	59	9	218
Terrace	38	1,079	17	16	24	17	66
Thompson	13	2,645	17	11	30	17	175
Timmins	20	2,191	15	12	35	15	165
Val-d'Or	23	1,875	29	18	57	29	179
Victoria Harbour	6	3,356	2	17	22	30	168
Wabush	48	623	3	11	7	16	37
Whitecourt	15	2,561	17	15	71	17	301
Williams Lake	44	931	5	17	29	5	65

**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	17	5,992	14	14	43	7	323
Boundary Bay	9	8,499	4	13	55	18	458
Calgary International	3	19,205	13	18	59	16	766
Calgary/Springbank	15	6,318	5	11	73	5	484
Chicoutimi/St-Honoré	32	2,571	29	14	30	30	208
Edmonton City Centre	19	5,626	29	8	32	29	323
Edmonton International	7	10,314	29	8	38	9	420
Edmonton/Villeneuve	37	1,660	11	13	18	29	99
Fort McMurray	25	4,085	6	17	25	30	203
Gander International	38	1,611	10	12	16	30	101
Halifax/Robert L Stanfield International	13	6,922	30	20	32	30	323
Hamilton	33	2,562	18	11	24	16	144
Kelowna	23	4,569	27	10	36	8	207
Kitchener/Waterloo	26	3,725	5	11	33	29	276
Langley	30	3,267	18	16	32	15	177
London	14	6,417	24	11	40	29	430
Moncton/Greater Moncton International	12	7,365	30	9	37	15	478
Montréal/Pierre Elliott Trudeau International	4	17,686	22	18	58	2	687
Montréal/St-Hubert	8	8,506	24	9	56	29	624
Oshawa	36	2,213	18	10	26	5	157
Ottawa/Macdonald-Cartier International	6	10,430	29	16	44	14	459
Pitt Meadows	18	5,690	18	11	50	4	360
Prince George	35	2,424	6	12	18	16	135
Québec/Jean Lesage International	10	8,298	15	15	45	29	427
Regina International	28	3,559	8	9	17	21	169
Saskatoon/John G Diefenbaker International	20	5,602	1	14	27	2	281
Sault Ste. Marie	34	2,559	28	12	20	28	140
St. John's International	31	2,670	7	9	13	16	112
St-Jean	40	1,463	19	12	30	19	248
Thunder Bay	21	4,985	23	15	32	22	254
Toronto/Buttonville Municipal	16	6,157	16	14	50	29	478
Toronto/City Centre	24	4,337	5	16	25	29	235
Toronto/Lester B Pearson International	1	33,444	16	18	94	9	1,221
Vancouver Harbour	22	4,913	6	16	27	30	208
Vancouver International	2	26,414	23	17	89	23	1,019
Victoria International	11	8,136	5	11	41	23	352
Whitehorse International	41	1,147	28	13	15	28	72
Windsor	39	1,601	18	11	19	18	108
Winnipeg/James Armstrong Richardson International	5	10,634	22	15	40	22	472
Winnipeg/St. Andrews	29	3,354	6	17	24	14	184
Yellowknife	27	3,617	27	10	20	23	156

**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	31	1,080	26	12	47	26	227
Campbell River	9	1,991	29	15	22	29	141
Castlegar	33	996	8	9	9	20	58
Charlottetown	24	1,355	1	22	15	1	88
Churchill	38	853	27	18	9	23	42
Cranbrook	40	821	21	10	10	21	46
Deer Lake	23	1,379	10	8	11	21	66
Fort Nelson	26	1,245	9	11	12	30	80
Fort St John	17	1,583	15	9	13	24	97
Fredericton International	1	4,314	24	11	27	16	361
Grande Prairie	6	2,265	2	17	16	28	110
High Level	34	975	28	16	9	28	65
Îles-de-la-Madeleine	50	394	10	15	5	1	24
Inuvik/Mike Zubko	35	955	1	16	13	1	60
Iqaluit	22	1,384	8	15	12	17	64
Kamloops	10	1,981	15	12	12	15	107
Kenora	39	827	29	12	7	28	54
Kingston	12	1,711	29	11	15	24	99
Kuujuuaq	37	876	2	15	7	3	49
La Grande Rivière	43	736	22	15	12	21	42
La Ronge	28	1,100	15	10	10	16	70
Lethbridge	21	1,449	7	15	18	7	104
Lloydminster	46	631	21	19	10	16	51
Medicine Hat	25	1,284	4	11	23	10	82
Mont-Joli	51	365	1	10	7	30	23
Montréal/Mirabel International	14	1,687	22	12	12	15	101
Nanaimo	8	2,075	7	14	23	7	129
Norman Wells	41	810	30	16	11	30	55
North Bay	7	2,144	9	14	23	29	136
Ottawa/Gatineau	19	1,508	19	12	17	19	131
Peace River	48	574	4	14	7	24	42
Penticton	20	1,497	7	14	13	7	84
Port Hardy	49	520	19	13	10	29	31
Prince Albert	15	1,668	21	13	14	20	89
Prince Rupert	52	297	10	13	6	10	23
Rankin Inlet	29	1,100	17	13	12	24	62
Red Deer Regional	13	1,702	17	14	17	16	111
Rouyn-Noranda	32	1,052	15	19	11	16	60
Saint John	16	1,658	16	10	12	16	111
Sept-Îles	18	1,532	17	14	12	3	84
Sioux Lookout	5	2,330	28	8	15	14	107
Smithers	45	661	22	13	9	22	44
St Catharines	27	1,141	5	13	18	5	104
Sudbury	3	2,572	15	18	18	29	140
Terrace	36	879	27	15	10	23	53
Thompson	4	2,543	17	11	16	8	124
Timmins	11	1,945	10	15	15	10	102
Val-d'Or	30	1,097	13	14	10	29	65
Victoria Harbour	2	3,356	2	17	22	30	168
Wabush	47	623	3	11	7	16	37
Whitecourt	42	779	6	13	10	30	49
Williams Lake	44	729	6	9	12	30	43

**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	5	7,392	1	9	84	7	439
Boundary Bay	1	10,450	21	21	98	20	528
Calgary International	37	185	6	6	10	6	34
Calgary/Springbank	3	8,748	29	11	100	6	606
Chicoutimi/St-Honoré	11	5,287	22	11	78	22	382
Edmonton City Centre	34	582	11	18	24	29	72
Edmonton International	35	272	9	12	16	15	38
Edmonton/Villeneuve	9	6,132	24	11	78	7	374
Fort McMurray	25	1,451	25	9	40	25	155
Gander International	30	811	24	21	112	24	146
Halifax/Robert L Stanfield International	32	736	6	16	36	30	136
Hamilton	33	732	15	10	26	23	72
Kelowna	18	3,277	3	10	50	21	220
Kitchener/Waterloo	15	3,609	5	10	56	2	374
Langley	19	3,060	21	16	42	18	193
London	4	8,628	27	0	152	29	774
Moncton/Greater Moncton International	8	6,837	1	15	60	27	522
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	10,224	16	21	92	29	816
Oshawa	22	2,671	10	13	48	2	198
Ottawa/Macdonald-Cartier International	21	2,759	2	13	54	29	266
Pitt Meadows	6	7,207	18	14	98	18	571
Prince George	23	2,082	4	14	62	3	182
Québec/Jean Lesage International	13	3,872	29	9	70	29	330
Regina International	24	2,037	18	11	38	3	154
Saskatoon/John G Diefenbaker International	17	3,584	5	16	48	5	316
Sault Ste. Marie	16	3,590	4	18	54	28	310
St. John's International	36	246	16	11	18	15	30
St-Jean	26	1,236	16	18	60	16	218
Thunder Bay	20	3,030	24	13	56	24	318
Toronto/Buttonville Municipal	12	4,923	13	11	64	29	474
Toronto/City Centre	14	3,855	17	16	60	18	308
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	38	2	20	11	2	20	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	7	6,882	21	11	68	14	377
Whitehorse International	31	787	12	22	48	12	82
Windsor	29	856	12	15	28	17	108
Winnipeg/James Armstrong Richardson International	28	981	22	21	24	22	102
Winnipeg/St. Andrews	10	5,705	24	10	64	6	389
Yellowknife	27	1,076	4	17	34	23	82

**Table 10-2**  
**Local movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	15	818	6	15	46	6	186
Campbell River	11	1,182	20	14	38	26	120
Castlegar	26	344	9	15	30	29	60
Charlottetown	22	480	24	23	18	25	92
Churchill	47	8	27	20	8	27	8
Cranbrook	29	208	10	11	20	10	60
Deer Lake	41	64	21	14	18	21	18
Fort Nelson	32	194	7	17	26	4	36
Fort St John	7	1,592	4	11	60	4	202
Fredericton International	2	3,327	30	11	36	30	352
Grande Prairie	5	1,662	19	17	46	28	164
High Level	33	180	2	13	38	2	62
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	38	116	1	16	18	6	24
Iqaluit	43	32	1	20	10	1	10
Kamloops	12	1,142	7	10	42	15	152
Kenora	39	106	7	14	14	7	28
Kingston	9	1,312	27	12	40	5	90
Kuujuuaq	44	24	30	10	4	2	4
La Grande Rivière	48	2	16	10	2	16	2
La Ronge	37	122	4	18	12	16	16
Lethbridge	14	836	7	21	40	2	124
Lloydminster	20	518	8	21	22	3	50
Medicine Hat	18	574	26	16	24	4	88
Mont-Joli	46	10	10	14	4	25	6
Montréal/Mirabel International	17	603	7	14	32	10	48
Nanaimo	21	496	18	16	20	18	98
Norman Wells	36	142	30	16	22	30	62
North Bay	1	3,676	13	16	78	13	334
Ottawa/Gatineau	3	2,578	2	16	56	2	234
Peace River	19	520	16	11	68	16	136
Penticton	6	1,598	28	16	54	28	164
Port Hardy	42	52	30	11	20	30	48
Prince Albert	35	148	27	16	16	28	52
Prince Rupert	45	18	30	16	16	30	18
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	8	1,576	3	15	38	16	190
Rouyn-Noranda	23	454	29	10	32	11	78
Saint John	24	384	30	9	22	18	50
Sept-Îles	27	282	29	16	30	20	62
Sioux Lookout	34	150	10	18	20	10	26
Smithers	25	355	23	15	46	24	124
St Catharines	10	1,216	20	14	120	20	126
Sudbury	13	935	10	17	46	9	98
Terrace	31	200	17	16	20	17	34
Thompson	40	102	17	13	16	17	54
Timmins	28	246	15	12	30	15	80
Val-d'Or	16	778	29	18	50	29	114
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	4	1,782	17	15	64	17	256
Williams Lake	30	202	25	21	20	5	38

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	5	7,390	1	9	84	7	439
Boundary Bay	1	10,449	21	21	98	20	528
Calgary International	37	160	6	6	10	6	28
Calgary/Springbank	3	8,741	29	11	100	6	606
Chicoutimi/St-Honoré	11	5,287	22	11	78	22	382
Edmonton City Centre	34	572	11	18	24	29	72
Edmonton International	35	262	9	12	16	15	38
Edmonton/Villeneuve	9	6,132	24	11	78	7	374
Fort McMurray	25	1,450	25	9	40	25	155
Gander International	32	675	24	21	112	24	134
Halifax/Robert L Stanfield International	33	606	6	16	36	30	136
Hamilton	30	732	15	10	26	23	72
Kelowna	18	3,236	3	10	50	21	220
Kitchener/Waterloo	15	3,609	5	10	56	2	374
Langley	19	3,058	21	16	42	18	193
London	4	8,628	27	0	152	29	774
Moncton/Greater Moncton International	7	6,831	1	15	60	27	520
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	10,222	16	21	92	29	816
Oshawa	22	2,670	10	13	48	2	198
Ottawa/Macdonald-Cartier International	21	2,731	2	13	54	29	266
Pitt Meadows	6	7,207	18	14	98	18	571
Prince George	23	2,082	4	14	62	3	182
Québec/Jean Lesage International	13	3,871	29	9	70	29	330
Regina International	24	2,007	18	11	38	3	154
Saskatoon/John G Diefenbaker International	17	3,500	5	16	48	5	316
Sault Ste. Marie	16	3,577	4	18	54	28	310
St. John's International	36	228	16	11	18	1	25
St-Jean	26	1,236	16	18	60	16	218
Thunder Bay	20	3,008	24	13	56	25	318
Toronto/Buttonville Municipal	12	4,922	13	11	64	29	474
Toronto/City Centre	14	3,855	17	16	60	18	308
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	38	2	20	11	2	20	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	8	6,579	21	11	68	21	338
Whitehorse International	29	787	12	22	48	12	82
Windsor	28	856	12	15	28	17	108
Winnipeg/James Armstrong Richardson International	31	685	22	21	24	15	58
Winnipeg/St. Andrews	10	5,701	24	10	64	6	389
Yellowknife	27	958	4	17	34	4	76



**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	15	796	6	15	46	6	186
Campbell River	11	1,182	20	14	38	26	120
Castlegar	26	344	9	15	30	29	60
Charlottetown	22	480	24	23	18	25	92
Churchill	47	8	27	20	8	27	8
Cranbrook	29	204	10	11	20	10	60
Deer Lake	40	64	21	14	18	21	18
Fort Nelson	31	194	7	17	26	4	36
Fort St John	7	1,592	4	11	60	4	202
Fredericton International	2	3,327	30	11	36	30	352
Grande Prairie	5	1,660	19	17	46	28	164
High Level	32	180	2	13	38	2	62
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	41	58	22	12	12	18	16
Iqaluit	43	32	1	20	10	1	10
Kamloops	12	1,142	7	10	42	15	152
Kenora	39	90	11	19	14	7	14
Kingston	9	1,312	27	12	40	5	90
Kuujuuaq	44	24	30	10	4	2	4
La Grande Rivière	48	2	16	10	2	16	2
La Ronge	37	122	4	18	12	16	16
Lethbridge	14	808	7	21	40	2	124
Lloydminster	20	518	8	21	22	3	50
Medicine Hat	18	574	26	16	24	4	88
Mont-Joli	46	10	10	14	4	25	6
Montréal/Mirabel International	17	589	7	14	32	10	48
Nanaimo	21	495	18	16	20	18	98
Norman Wells	36	142	30	16	22	30	62
North Bay	1	3,664	13	16	78	13	334
Ottawa/Gatineau	3	2,578	2	16	56	2	234
Peace River	19	520	16	11	68	16	136
Penticton	6	1,598	28	16	54	28	164
Port Hardy	42	52	30	11	20	30	48
Prince Albert	35	148	27	16	16	28	52
Prince Rupert	45	18	30	16	16	30	18
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	8	1,576	3	15	38	16	190
Rouyn-Noranda	23	454	29	10	32	11	78
Saint John	24	384	30	9	22	18	50
Sept-Îles	27	282	29	16	30	20	62
Sioux Lookout	34	150	10	18	20	10	26
Smithers	25	355	23	15	46	24	124
St Catharines	10	1,216	20	14	120	20	126
Sudbury	13	935	10	17	46	9	98
Terrace	30	200	17	16	20	17	34
Thompson	38	102	17	13	16	17	54
Timmins	28	246	15	12	30	15	80
Val-d'Or	16	778	29	18	50	29	114
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	4	1,782	17	15	64	17	256
Williams Lake	33	160	25	21	20	5	38

**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	19	2	13	8	1	13	1
Boundary Bay	25	1	29	13	1	29	1
Calgary International	10	25	10	14	8	10	16
Calgary/Springbank	16	7	24	12	6	24	6
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	15	10	11	14	4	11	4
Edmonton International	14	10	14	16	6	14	8
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	23	1	6	16	1	6	1
Gander International	3	136	9	10	16	3	24
Halifax/Robert L Stanfield International	4	130	6	23	18	6	32
Hamilton	0	0	0	0	0	0	0
Kelowna	7	41	19	18	16	19	22
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	21	2	22	11	2	22	2
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	17	6	6	20	2	6	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	20	2	2	10	2	2	2
Oshawa	26	1	18	15	1	18	1
Ottawa/Macdonald-Cartier International	9	28	5	15	6	14	10
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	24	1	30	12	1	30	1
Regina International	8	30	20	18	6	21	10
Saskatoon/John G Diefenbaker International	6	84	21	21	16	28	28
Sault Ste. Marie	13	13	6	12	4	6	6
St. John's International	12	18	15	13	14	15	16
St-Jean	0	0	0	0	0	0	0
Thunder Bay	11	22	8	13	6	8	6
Toronto/Buttville Municipal	22	1	11	16	1	11	1
Toronto/City Centre	0	0	0	0	0	0	0
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	1	303	1	20	32	2	62
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	2	296	22	10	18	22	46
Winnipeg/St. Andrews	18	4	14	11	4	14	4
Yellowknife	5	118	28	14	16	27	34

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	4	22	8	14	10	8	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	8	4	18	15	4	18	4
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
Fredericton International	0	0	0	0	0	0	0
Grande Prairie	9	2	14	17	2	14	2
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	1	58	1	16	18	6	24
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	5	16	7	14	14	7	14
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	3	28	14	21	18	14	24
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	6	14	14	13	8	14	8
Nanaimo	10	1	17	11	1	17	1
Norman Wells	0	0	0	0	0	0	0
North Bay	7	12	2	11	12	2	12
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	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	2	42	7	10	16	7	18

# 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

As a result of the outbreak of swine flu in parts of Mexico at the end of April 2009, Air Transat, Nolitours, Transat Holidays, Sunquest Vacations and Sunwing Vacations have suspended all travel from Canada to Mexico.

Air Canada and Westjet have suspended all operations to various locations in Mexico from April 27, 2009 until June 2009 because of the swine flu outbreak.

Porter Airlines has added 5 roundtrip flights between Toronto City Centre Airport and Montreal's Pierre Elliott Trudeau International Airport as well as 4 roundtrip flights between Toronto City Centre Airport and Ottawa's MacDonald-Cartier International Airport.

Effective April 15 2009 Unaalik Aviation, on behalf of First Air, will operate 5 round trip flights per week between Arviat and Rankin Inlet.

Air India increased the scheduled number of flights between Toronto and Amritsar (via London) from three weekly flights to seven flights per week effective March 29, 2009.

Effective March 2009 Unaalik Aviation, on behalf of First Air, operates 5 scheduled flights between Rankin Inlet and Baker Lake.

AeroMexico began new daily service between Toronto and Mexico City on March 2, 2009.

Westjet has added a total of 20 flights weekly from Montreal, Calgary and Vancouver to Florida and Mexico as of early January 2009.

Porter Airlines has added 3 roundtrip flights between Toronto City Centre Airport and Chicago Midway International Airport per weekday and two each on Saturday and Sunday.

Zoom Airlines suspended operations effective August 28, 2008.

Sudbury, Ontario – As of June 2008, data for Sudbury are found in tables relating to Nav Canada Flight Service Stations.

Fort McMurray, Alberta – As of October 2008, data for Fort McMurray are found in tables relating to Nav Canada Towers.

Montréal/Mirabel International, Quebec – As of December 2008, data for Montréal/Mirabel International are found in tables relating to Nav Canada Flight Service Stations.

Kuujuarapik, Quebec – As of December 2008, data for Kuujuarapik are found in Catalogue no. 51-008, Aircraft Movement Statistics: Airports Without Air Traffic Control Towers.

St. Anthony, Newfoundland and Labrador – As of December 2008, data for St. Anthony are found in Catalogue no. 51-008, Aircraft Movement Statistics: Airports Without Air Traffic Control 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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1,000,000 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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of less than \$1,000,000 for the air services for which the air carrier held a licence. Since 2000, levels IV and VI are no longer 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**. **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 but excluding Hawaii), 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 Mirabel airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Mirabel 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.