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



September 2008



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Statistics Canada  
Transportation Division

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

September 2008

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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 increased (5.9%) in September 2008 compared with September 2007. These 95 airports reported 590,174 movements in September 2008 compared with 557,040 movements in September 2007.
- Itinerant movements (flights from one airport to another) grew 4.6% (+17,665 movements) in September 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) rose by 9.0% (+15,469 movements) in September 2008 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 September 2008 / September 2007 percent	number	Change from September 2008 / September 2007 percent	number	Change from September 2008 / September 2007 percent
<b>Grand total</b>	<b>466,087</b>	<b>5.0</b>	<b>124,087</b>	<b>9.7</b>	<b>590,174</b>	<b>5.9</b>
<b>Itinerant movements</b>						
Air carriers	213,133	3.1	64,734	9.9	277,867	4.6
Other commercial movements	52,519	22.3	8,301	11.3	60,820	20.7
Private movements	36,169	-7.4	13,777	-16.2	49,946	-10.0
Government civil movements	5,085	0.4	2,308	9.6	7,393	3.1
Government military movements	4,881	0.8	2,696	11.2	7,577	4.2
Itinerant total	311,787	4.4	91,816	5.1	403,603	4.6
<b>Local movements</b>						
Civil local movements	152,384	5.9	31,318	25.8	183,702	8.8
Military local movements	1,916	38.8	953	9.2	2,869	27.3
Local total	154,300	6.2	32,271	25.2	186,571	9.0

## Analysis

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Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations increased (5.9%) in September 2008 compared with September 2007. These 95 airports reported 590,174 movements in September 2008 compared with 557,040 movements in September 2007.

Itinerant movements (flights from one airport to another) grew 4.6% (+17,665 movements) in September 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) rose by 9.0% (+15,469 movements) in September 2008 over the previous year.

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

The 41 Canadian airports with NAV CANADA air traffic control towers reported 466,087 aircraft take-offs and landings in September up 5.0% (+22,138 movements) compared with September 2007. Year-over-year increases in aircraft movements were reported by 19 of these airports in September 2008. The variations ranged from an increase of 88.7% at London, Ontario to a decline of 48.9% at Gander International, Newfoundland and Labrador.

Itinerant movements (flights from one airport to another) increased 4.4% in September compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 45.1% increase (+3,090 movements) at Boundary Bay, British Columbia to a decline of 35.6% (-1,046 movements) at St-Jean, Quebec.

Local movements (flights that remain in the vicinity of the airport) rose by 8,968 movements (+6.2%) in September compared with September 2007. London, Ontario recorded the largest gain in local movements, increasing by 6,050 movements (+160.2%) while Gander International, Newfoundland and Labrador reported 2,764 fewer movements (-66.6%) compared with September 2007.

The Air Traffic Control Tower at Sudbury, Ontario closed in June 2008 and re-opened as a Flight Service Station. Sudbury reported 2,901 movements in September 2007 compared with 2,863 movements reported for the Flight Service Station in September 2008, a drop of 1.3 %.

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

The 54 Canadian airports with NAV CANADA flight service stations reported 124,087 aircraft take-offs and landings in September up 9.7% (+10,996 movements) compared with September 2007. Year-over-year increases in aircraft movements were reported by 33 of these airports in September 2008. The variations ranged from a 95.2% increase (+3,821 movements) at Fredericton International, New Brunswick to a decline of 40.8% (-2,238 movements) at St. Catharines, Ontario.

Itinerant movements (flights from one airport to another) increased by 5.1% (+4,495 movements) in September 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 67.9% increase (+1,614 movements) at Fredericton International, New Brunswick to a decline of 53.0% (-2,050 movements) at St. Catharines, Ontario.

Local movements (flights that remain in the vicinity of the airport) recorded in September 2008 rose by 25.2% (+6,501 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 2,207 movements (+134.7%) compared with September 2007.



## 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
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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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### **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	13	13,952	19	6,223	7	7,729
Boundary Bay	4	22,573	9	9,939	2	12,634
Calgary International	5	20,854	3	20,660	36	194
Calgary/Springbank	12	14,542	16	6,689	6	7,853
Chicoutimi/St-Honoré	15	12,462	33	3,033	5	9,429
Edmonton City Centre	27	7,622	15	6,925	31	697
Edmonton International	18	11,260	7	10,926	34	334
Edmonton/Villeneuve	26	7,707	40	1,585	11	6,122
Gander International	36	3,771	36	2,383	25	1,388
Halifax/Robert L Stanfield International	24	7,827	14	7,055	30	772
Hamilton	32	5,460	30	3,610	24	1,850
Kelowna	29	7,173	25	4,588	21	2,585
Kitchener/Waterloo	21	9,773	24	4,913	13	4,860
Langley	23	8,131	27	3,997	16	4,134
London	7	18,018	12	8,192	4	9,826
Moncton/Greater Moncton International	17	11,263	20	6,155	12	5,108
Montréal/Mirabel International	40	2,120	41	1,550	33	570
Montréal/Pierre Elliott Trudeau International	6	19,425	4	19,425	0	0
Montréal/St-Hubert	3	23,725	10	9,615	1	14,110
Oshawa	28	7,564	32	3,092	14	4,472
Ottawa/Macdonald-Cartier International	11	15,424	5	11,280	15	4,144
Pitt Meadows	10	15,487	22	5,113	3	10,374
Prince George	37	3,418	34	2,514	28	904
Québec/Jean Lesage International	14	12,736	11	8,717	17	4,019
Regina International	33	5,139	28	3,877	26	1,262
Saskatoon/John G Diefenbaker International	20	10,368	17	6,553	19	3,815
Sault Ste. Marie	31	6,056	35	2,476	20	3,580
St. John's International	38	3,329	31	3,154	37	175
St-Jean	39	3,079	38	1,895	27	1,184
Thunder Bay	25	7,736	21	5,733	22	2,003
Toronto/Buttonville Municipal	9	15,645	13	8,183	8	7,462
Toronto/City Centre	22	8,954	23	4,936	18	4,018
Toronto/Lester B Pearson International	1	36,725	1	36,725	0	0
Vancouver Harbour	30	6,447	18	6,445	38	2
Vancouver International	2	30,364	2	30,364	0	0
Victoria International	8	16,568	8	10,293	10	6,275
Whitehorse International	41	1,849	39	1,619	35	230
Windsor	35	3,965	37	1,977	23	1,988
Winnipeg/James Armstrong Richardson International	16	12,032	6	11,184	29	848
Winnipeg/St. Andrews	19	10,539	29	3,843	9	6,696
Yellowknife	34	5,005	26	4,351	32	654
<b>Total of NAV CANADA towers (41)</b>	.	<b>466,087</b>	.	<b>311,787</b>	.	<b>154,300</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	27	1,908	26	1,566	20	342
Campbell River	10	3,643	11	2,353	13	1,290
Castlegar	20	2,405	43	1,009	12	1,396
Charlottetown	18	2,588	22	1,740	15	848
Churchill	47	966	45	948	48	18
Cranbrook	46	996	46	932	40	64
Deer Lake	34	1,434	28	1,420	49	14
Fort McMurray	2	7,284	1	6,575	17	709
Fort Nelson	26	1,960	20	1,880	35	80
Fort St John	19	2,528	10	2,370	26	158
Fredericton International	1	7,835	3	3,990	1	3,845
Grande Prairie	6	4,251	4	2,831	10	1,420
High Level	39	1,193	36	1,147	43	46
Îles-de-la-Madeleine	53	384	53	384	0	0
Inuvik/Mike Zubko	30	1,772	25	1,634	28	138
Iqaluit	24	2,088	17	1,986	32	102
Kamloops	13	3,265	9	2,411	14	854
Kenora	42	1,163	41	1,093	38	70
Kingston	9	3,767	19	1,923	7	1,844
Kuujuuaq	41	1,165	38	1,131	45	34
Kuujuuarapik	52	494	51	494	0	0
La Grande Rivière	49	838	49	802	44	36
La Ronge	33	1,493	29	1,352	27	141
Lethbridge	11	3,453	16	1,993	8	1,460
Lloydminster	44	1,071	47	877	24	194
Medicine Hat	28	1,908	40	1,098	16	810
Mont-Joli	50	665	50	597	39	68
Nanaimo	8	3,930	7	2,532	11	1,398
Norman Wells	37	1,220	37	1,138	34	82
North Bay	5	4,416	18	1,930	2	2,486
Ottawa/Gatineau	12	3,339	27	1,491	6	1,848
Peace River	48	904	48	846	42	58
Penticton	7	4,109	15	2,025	4	2,084
Port Hardy	43	1,135	39	1,131	50	4
Prince Albert	29	1,795	23	1,717	36	78
Prince Rupert	51	534	52	420	30	114
Rankin Inlet	35	1,395	30	1,333	41	62
Red Deer Regional	3	4,944	6	2,550	3	2,394
Rouyn-Noranda	31	1,723	34	1,209	18	514
Saint John	25	2,015	24	1,695	21	320
Sept-Îles	23	2,183	14	2,069	29	114
Sioux Lookout	21	2,376	12	2,304	37	72
Smithers	40	1,170	35	1,150	47	20
St Anthony	54	331	54	331	0	0
St Catharines	14	3,243	21	1,815	9	1,428
Sudbury	17	2,863	8	2,485	19	378
Terrace	36	1,278	32	1,250	46	28
Thompson	16	2,888	5	2,786	31	102
Timmins	22	2,328	13	2,104	23	224
Val-d'Or	32	1,531	31	1,297	22	234
Victoria Harbour	4	4,440	2	4,440	0	0
Wabush	45	1,052	44	952	33	100
Whitecourt	15	3,219	33	1,239	5	1,980
Williams Lake	38	1,209	42	1,041	25	168
<b>Total of all flight service stations (54)</b>	.	<b>124,087</b>	.	<b>91,816</b>	.	<b>32,271</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	13,914	4,718	1,478	7,718	38	27	11
Boundary Bay	22,568	8,222	1,712	12,634	5	5	0
Calgary International	20,629	18,800	1,645	184	225	215	10
Calgary/Springbank	14,522	4,524	2,145	7,853	20	20	0
Chicoutimi/St-Honoré	12,320	2,837	194	9,289	142	2	140
Edmonton City Centre	7,555	4,738	2,128	689	67	59	8
Edmonton International	11,092	10,392	410	290	168	124	44
Edmonton/Villeneuve	7,693	1,016	555	6,122	14	14	0
Gander International	3,136	1,562	448	1,126	635	373	262
Halifax/Robert L. Stanfield International	7,241	6,105	544	592	586	406	180
Hamilton	5,416	2,827	747	1,842	44	36	8
Kelowna	7,098	3,675	856	2,567	75	57	18
Kitchener/Waterloo	9,724	3,708	1,168	4,848	49	37	12
Langley	8,131	2,521	1,476	4,134	0	0	0
London	17,949	6,841	1,310	9,798	69	41	28
Moncton/Greater Moncton International	11,222	5,623	495	5,104	41	37	4
Montréal/Mirabel International	2,036	1,109	398	529	84	43	41
Montréal/Pierre Elliott Trudeau International	19,408	17,614	1,794	0	17	17	0
Montréal/St-Hubert	23,520	7,780	1,630	14,110	205	205	0
Oshawa	7,559	2,347	740	4,472	5	5	0
Ottawa/Macdonald-Cartier International	15,186	9,929	1,121	4,136	238	230	8
Pitt Meadows	15,447	3,475	1,598	10,374	40	40	0
Prince George	3,382	1,813	665	904	36	36	0
Québec/Jean Lesage International	12,481	6,771	1,720	3,990	255	226	29
Regina International	4,763	2,874	687	1,202	376	316	60
Saskatoon/John G. Diefenbaker International	9,880	5,252	1,109	3,519	488	192	296
Sault Ste. Marie	5,970	2,125	297	3,548	86	54	32
St. John's International	3,119	2,730	214	175	210	210	0
St-Jean	2,565	653	728	1,184	514	514	0
Thunder Bay	7,370	5,001	446	1,923	366	286	80
Toronto/Buttonville Municipal	15,623	5,674	2,503	7,446	22	6	16
Toronto/City Centre	8,946	4,075	855	4,016	8	6	2
Toronto/Lester B. Pearson International	36,689	34,995	1,694	0	36	36	0
Vancouver Harbour	6,447	6,345	100	2	0	0	0
Vancouver International	30,335	28,716	1,619	0	29	29	0
Victoria International	16,064	8,120	1,966	5,978	504	207	297
Whitehorse International	1,841	1,239	372	230	8	8	0
Windsor	3,960	1,573	399	1,988	5	5	0
Winnipeg/James Armstrong Richardson International	11,210	9,789	741	680	822	654	168
Winnipeg/St. Andrews	10,523	3,452	375	6,696	16	16	0
Yellowknife	4,756	4,092	172	492	249	87	162
<b>Total of NAV CANADA towers (41)</b>	<b>459,290</b>	<b>265,652</b>	<b>41,254</b>	<b>152,384</b>	<b>6,797</b>	<b>4,881</b>	<b>1,916</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	1,384	409	649	326	524	508	16
Campbell River	3,637	1,734	613	1,290	6	6	0
Castlegar	2,380	858	130	1,392	25	21	4
Charlottetown	2,501	1,445	216	840	87	79	8
Churchill	964	897	49	18	2	2	0
Cranbrook	867	606	201	60	129	125	4
Deer Lake	1,426	1,363	49	14	8	8	0
Fort McMurray	7,269	5,774	788	707	15	13	2
Fort Nelson	1,902	1,594	228	80	58	58	0
Fort St John	2,524	2,034	332	158	4	4	0
Fredericton International	7,635	3,430	368	3,837	200	192	8
Grande Prairie	3,981	2,041	532	1,408	270	258	12
High Level	1,193	1,081	66	46	0	0	0
Îles-de-la-Madeleine	352	302	50	0	32	32	0
Inuvik/Mike Zubko	1,614	1,377	123	114	158	134	24
Iqaluit	2,059	1,765	192	102	29	29	0
Kamloops	3,242	1,815	574	853	23	22	1
Kenora	1,083	823	218	42	80	52	28
Kingston	3,715	1,344	529	1,842	52	50	2
Kuujuaq	1,163	1,100	29	34	2	2	0
Kuujuarapik	494	490	4	0	0	0	0
La Grande Rivière	838	746	56	36	0	0	0
La Ronge	1,468	1,145	182	141	25	25	0
Lethbridge	3,370	1,323	615	1,432	83	55	28
Lloydminster	1,047	367	486	194	24	24	0
Medicine Hat	1,806	742	306	758	102	50	52
Mont-Joli	583	455	60	68	82	82	0
Nanaimo	3,129	1,403	1,082	644	801	47	754
Norman Wells	1,196	1,067	47	82	24	24	0
North Bay	4,380	1,397	499	2,484	36	34	2
Ottawa/Gatineau	3,333	691	794	1,848	6	6	0
Peace River	902	703	141	58	2	2	0
Penticton	4,015	1,379	552	2,084	94	94	0
Port Hardy	1,119	932	183	4	16	16	0
Prince Albert	1,757	1,463	216	78	38	38	0
Prince Rupert	532	328	90	114	2	2	0
Rankin Inlet	1,393	1,299	32	62	2	2	0
Red Deer Regional	4,907	1,682	839	2,386	37	29	8
Rouyn-Noranda	1,723	974	235	514	0	0	0
Saint John	1,991	1,292	379	320	24	24	0
Sept-Îles	2,180	1,856	210	114	3	3	0
Sioux Lookout	2,366	2,163	131	72	10	10	0
Smithers	1,170	994	156	20	0	0	0
St Anthony	329	307	22	0	2	2	0
St Catharines	2,775	790	557	1,428	468	468	0
Sudbury	2,835	2,068	389	378	28	28	0
Terrace	1,276	1,116	132	28	2	2	0
Thompson	2,883	2,604	177	102	5	5	0
Timmins	2,323	1,850	249	224	5	5	0
Val-d'Or	1,522	1,010	278	234	9	9	0
Victoria Harbour	4,431	3,901	530	0	9	9	0
Wabush	1,052	890	62	100	0	0	0
Whitecourt	3,213	1,062	171	1,980	6	6	0
Williams Lake	1,209	754	287	168	0	0	0
<b>Total of all flight service stations (54)</b>	<b>120,438</b>	<b>73,035</b>	<b>16,085</b>	<b>31,318</b>	<b>3,649</b>	<b>2,696</b>	<b>953</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	6,223	548	2,811	1,359	1,302	176	27	
Boundary Bay	9,939	13	1,766	6,443	1,673	39	5	
Calgary International	20,660	16,826	1,395	579	1,463	182	215	
Calgary/Springbank	6,689	55	815	3,654	2,119	26	20	
Chicoutimi/St-Honoré	3,033	6	651	2,180	179	15	2	
Edmonton City Centre	6,925	1,741	845	2,152	1,566	562	59	
Edmonton International	10,926	9,961	323	108	392	18	124	
Edmonton/Villeneuve	1,585	4	121	891	429	126	14	
Gander International	2,383	589	928	45	421	27	373	
Halifax/Robert L. Stanfield International	7,055	5,485	458	162	478	66	406	
Hamilton	3,610	1,652	953	222	590	157	36	
Kelowna	4,588	2,295	268	1,112	739	117	57	
Kitchener/Waterloo	4,913	477	2,664	567	1,160	8	37	
Langley	3,997	143	163	2,215	1,466	10	0	
London	8,192	1,289	1,195	4,357	1,225	85	41	
Moncton/Greater Moncton International	6,155	1,771	3,684	168	298	197	37	
Montréal/Mirabel International	1,550	673	307	129	386	12	43	
Montréal/Pierre Elliott Trudeau International	19,425	16,191	583	840	1,614	180	17	
Montréal/St-Hubert	9,615	4,165	736	2,879	1,494	136	205	
Oshawa	3,092	157	89	2,101	736	4	5	
Ottawa/Macdonald-Cartier International	11,280	7,116	434	2,379	557	564	230	
Pitt Meadows	5,113	43	1,149	2,283	1,595	3	40	
Prince George	2,514	1,370	291	152	512	153	36	
Québec/Jean Lesage International	8,717	4,118	888	1,765	1,342	378	226	
Regina International	3,877	2,027	795	52	443	244	316	
Saskatoon/John G. Diefenbaker International	6,553	3,342	1,360	550	747	362	192	
Sault Ste. Marie	2,476	901	147	1,077	177	120	54	
St. John's International	3,154	1,990	654	86	163	51	210	
St-Jean	1,895	148	103	402	712	16	514	
Thunder Bay	5,733	2,996	840	1,165	293	153	286	
Toronto/Butterville Municipal	8,183	387	821	4,466	2,448	55	6	
Toronto/City Centre	4,936	1,574	1,070	1,431	815	40	6	
Toronto/Lester B. Pearson International	36,725	34,262	559	174	1,647	47	36	
Vancouver Harbour	6,445	4,970	491	884	92	8	0	
Vancouver International	30,364	25,437	2,215	1,064	1,336	283	29	
Victoria International	10,293	3,407	3,418	1,295	1,943	23	207	
Whitehorse International	1,619	872	330	37	344	28	8	
Windsor	1,977	534	960	79	391	8	5	
Winnipeg/James Armstrong Richardson International	11,184	8,994	674	121	433	308	654	
Winnipeg/St. Andrews	3,843	502	2,114	836	363	12	16	
Yellowknife	4,351	3,544	490	58	86	86	87	
<b>Total of NAV CANADA towers (41)</b>	<b>311,787</b>	<b>172,575</b>	<b>40,558</b>	<b>52,519</b>	<b>36,169</b>	<b>5,085</b>	<b>4,881</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	1,566	106	239	64	620	29	508
Campbell River	2,353	672	464	598	559	54	6
Castlegar	1,009	294	136	428	123	7	21
Charlottetown	1,740	855	143	447	181	35	79
Churchill	948	757	82	58	27	22	2
Cranbrook	932	531	61	14	195	6	125
Deer Lake	1,420	1,127	179	57	19	30	8
Fort McMurray	6,575	3,479	1,819	476	746	42	13
Fort Nelson	1,880	352	709	533	208	20	58
Fort St John	2,370	776	1,096	162	286	46	4
Fredericton International	3,990	805	2,483	142	222	146	192
Grande Prairie	2,831	1,053	862	126	504	28	258
High Level	1,147	173	830	78	62	4	0
Îles-de-la-Madeleine	384	286	6	10	7	43	32
Inuvik/Mike Zubko	1,634	366	961	50	87	36	134
Iqaluit	1,986	1,216	430	119	77	115	29
Kamloops	2,411	1,161	294	360	527	47	22
Kenora	1,093	394	405	24	161	57	52
Kingston	1,923	518	299	527	481	48	50
Kuujuuaq	1,131	948	150	2	6	23	2
Kuujuuarapik	494	461	25	4	2	2	0
La Grande Rivière	802	506	234	6	42	14	0
La Ronge	1,352	1,112	29	4	67	115	25
Lethbridge	1,993	429	78	816	582	33	55
Lloydminster	877	157	176	34	444	42	24
Medicine Hat	1,098	621	69	52	287	19	50
Mont-Joli	597	388	29	38	45	15	82
Nanaimo	2,532	467	614	322	1,050	32	47
Norman Wells	1,138	735	330	2	31	16	24
North Bay	1,930	536	541	320	447	52	34
Ottawa/Gatineau	1,491	91	382	218	750	44	6
Peace River	846	470	215	18	113	28	2
Penticton	2,025	493	771	115	524	28	94
Port Hardy	1,131	788	114	30	99	84	16
Prince Albert	1,717	1,309	103	51	94	122	38
Prince Rupert	420	218	77	33	54	36	2
Rankin Inlet	1,333	1,058	238	3	16	16	2
Red Deer Regional	2,550	247	1,243	192	806	33	29
Rouyn-Noranda	1,209	601	159	214	197	38	0
Saint John	1,695	821	299	172	355	24	24
Sept-Îles	2,069	1,217	570	69	132	78	3
Sioux Lookout	2,304	1,808	348	7	119	12	10
Smithers	1,150	499	221	274	122	34	0
St Anthony	331	252	15	40	6	16	2
St Catharines	1,815	8	732	50	534	23	468
Sudbury	2,485	1,444	563	61	283	106	28
Terrace	1,250	565	443	108	82	50	2
Thompson	2,786	2,267	315	22	30	147	5
Timmins	2,104	1,494	302	54	205	44	5
Val-d'Or	1,297	746	173	91	233	45	9
Victoria Harbour	4,440	3,726	31	144	457	73	9
Wabush	952	600	255	35	43	19	0
Whitecourt	1,239	46	684	332	153	18	6
Williams Lake	1,041	473	186	95	275	12	0
<b>Total of all flight service stations (54)</b>	<b>91,816</b>	<b>42,522</b>	<b>22,212</b>	<b>8,301</b>	<b>13,777</b>	<b>2,308</b>	<b>2,696</b>

Table 4-1

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

	Itinerant movements				Runway 88	
	Total of IFR and VFR flights <sup>1</sup>	Instrument flight rules	Percentage instrument flight rules	Visual flight rules		Percentage visual flight rules
	number		percent	number		percent
Abbotsford	6,223	1,606	25.8	4,617	74.1	1,149
Boundary Bay	9,939	412	4.1	9,527	95.8	834
Calgary International	20,660	19,082	92.3	1,578	7.6	1,068
Calgary/Springbank	6,689	348	5.2	6,341	94.7	3,882
Chicoutimi/St-Honoré	3,033	174	5.7	2,859	94.2	131
Edmonton City Centre	6,925	3,176	45.8	3,749	54.1	2,166
Edmonton International	10,926	10,467	95.7	459	4.2	1,115
Edmonton/Villeneuve	1,585	14	0.8	1,571	99.1	231
Gander International	2,383	1,396	58.5	987	41.4	84
Halifax/Robert L Stanfield International	7,055	6,232	88.3	823	11.6	385
Hamilton	3,610	2,297	63.6	1,313	36.3	619
Kelowna	4,588	2,549	55.5	2,039	44.4	712
Kitchener/Waterloo	4,913	1,079	21.9	3,834	78.0	693
Langley	3,997	55	1.3	3,942	98.6	1,744
London	8,192	1,705	20.8	6,487	79.1	643
Moncton/Greater Moncton International	6,155	2,165	35.1	3,990	64.8	275
Montréal/Mirabel International	1,550	884	57.0	666	42.9	1,338
Montréal/Pierre Elliott Trudeau International	19,425	18,411	94.7	1,014	5.2	1,744
Montréal/St-Hubert	9,615	1,627	16.9	7,988	83.0	1,530
Oshawa	3,092	129	4.1	2,963	95.8	508
Ottawa/Macdonald-Cartier International	11,280	8,087	71.6	3,193	28.3	994
Pitt Meadows	5,113	37	0.7	5,076	99.2	2,672
Prince George	2,514	1,479	58.8	1,035	41.1	678
Québec/Jean Lesage International	8,717	5,134	58.8	3,583	41.1	2,181
Regina International	3,877	2,543	65.5	1,334	34.4	140
Saskatoon/John G Diefenbaker International	6,553	3,907	59.6	2,646	40.3	284
Sault Ste. Marie	2,476	1,133	45.7	1,343	54.2	136
St. John's International	3,154	2,867	90.9	287	9.0	448
St-Jean	1,895	189	9.9	1,706	90.0	287
Thunder Bay	5,733	3,565	62.1	2,168	37.8	472
Toronto/Buttonville Municipal	8,183	929	11.3	7,254	88.6	650
Toronto/City Centre	4,936	2,051	41.5	2,885	58.4	1,690
Toronto/Lester B Pearson International	36,725	36,484	99.3	241	0.6	42
Vancouver Harbour	6,445	48	0.7	6,397	99.2	4,008
Vancouver International	30,364	21,108	69.5	9,256	30.4	5,399
Victoria International	10,293	3,401	33.0	6,892	66.9	4,808
Whitehorse International	1,619	542	33.4	1,077	66.5	841
Windsor	1,977	649	32.8	1,328	67.1	60
Winnipeg/James Armstrong Richardson International	11,184	9,654	86.3	1,530	13.6	500
Winnipeg/St. Andrews	3,843	91	2.3	3,752	97.6	139
Yellowknife	4,351	2,553	58.6	1,798	41.3	1,227
<b>Total of NAV CANADA towers (41)</b>	<b>311,787</b>	<b>180,259</b>	<b>57.8</b>	<b>131,528</b>	<b>42.2</b>	<b>48,507</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	1,566	183	11.6	1,383	88.3	57
Campbell River	2,353	463	19.6	1,890	80.3	456
Castlegar	1,009	299	29.6	710	70.3	172
Charlottetown	1,740	1,031	59.2	709	40.7	32
Churchill	948	788	83.1	160	16.8	192
Cranbrook	932	575	61.6	357	38.3	244
Deer Lake	1,420	1,292	90.9	128	9.0	72
Fort McMurray	6,575	2,566	39.0	4,009	60.9	228
Fort Nelson	1,880	423	22.5	1,457	77.5	231
Fort St John	2,370	846	35.6	1,524	64.3	179
Fredericton International	3,990	1,148	28.7	2,842	71.2	131
Grande Prairie	2,831	1,316	46.4	1,515	53.5	279
High Level	1,147	261	22.7	886	77.2	351
Îles-de-la-Madeleine	384	351	91.4	33	8.5	6
Inuvik/Mike Zubko	1,634	495	30.2	1,139	69.7	48
Iqaluit	1,986	1,425	71.7	561	28.2	142
Kamloops	2,411	1,256	52.0	1,155	47.9	369
Kenora	1,093	592	54.1	501	45.8	174
Kingston	1,923	688	35.7	1,235	64.2	148
Kuujuaq	1,131	457	40.4	674	59.5	407
Kuujuarapik	494	215	43.5	279	56.4	1
La Grande Rivière	802	569	70.9	233	29.0	378
La Ronge	1,352	804	59.4	548	40.5	747
Lethbridge	1,993	591	29.6	1,402	70.3	89
Lloydminster	877	287	32.7	590	67.2	24
Medicine Hat	1,098	425	38.7	673	61.2	282
Mont-Joli	597	337	56.4	260	43.5	52
Nanaimo	2,532	591	23.3	1,941	76.6	1,348
Norman Wells	1,138	196	17.2	942	82.7	243
North Bay	1,930	751	38.9	1,179	61.0	367
Ottawa/Gatineau	1,491	191	12.8	1,300	87.1	101
Peace River	846	400	47.2	446	52.7	97
Penticton	2,025	487	24.0	1,538	75.9	173
Port Hardy	1,131	374	33.0	757	66.9	216
Prince Albert	1,717	1,366	79.5	351	20.4	122
Prince Rupert	420	264	62.8	156	37.1	16
Rankin Inlet	1,333	887	66.5	446	33.4	18
Red Deer Regional	2,550	350	13.7	2,200	86.2	429
Rouyn-Noranda	1,209	818	67.6	391	32.3	171
Saint John	1,695	1,060	62.5	635	37.4	26
Sept-Îles	2,069	1,465	70.8	604	29.1	373
Sioux Lookout	2,304	1,802	78.2	502	21.7	818
Smithers	1,150	460	40.0	690	60.0	582
St Anthony	331	225	67.9	106	32.0	0
St Catharines	1,815	224	12.3	1,591	87.6	306
Sudbury	2,485	1,790	72.0	695	27.9	169
Terrace	1,250	573	45.8	677	54.1	182
Thompson	2,786	1,616	58.0	1,170	41.9	349
Timmins	2,104	1,570	74.6	534	25.3	185
Val-d'Or	1,297	773	59.5	524	40.4	901
Victoria Harbour	4,440	30	0.6	4,410	99.3	1,613
Wabush	952	712	74.7	240	25.2	172
Whitecourt	1,239	119	9.6	1,120	90.3	122
Williams Lake	1,041	460	44.1	581	55.8	317
<b>Total of all flight service stations (54)</b>	<b>91,816</b>	<b>39,237</b>	<b>42.7</b>	<b>52,579</b>	<b>57.3</b>	<b>14,907</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	6,223	509	276	4,032	1,401	5
Boundary Bay	9,939	2	77	9,488	369	3
Calgary International	20,660	13,721	5,152	1,203	584	0
Calgary/Springbank	6,689	34	198	5,656	801	0
Chicoutimi/St-Honoré	3,033	7	110	2,341	568	7
Edmonton City Centre	6,925	550	2,325	3,065	980	5
Edmonton International	10,926	7,507	3,044	347	27	1
Edmonton/Villeneuve	1,585	15	27	1,250	265	28
Gander International	2,383	800	511	761	311	0
Halifax/Robert L. Stanfield International	7,055	4,242	1,871	547	395	0
Hamilton	3,610	1,479	616	1,379	136	0
Kelowna	4,588	1,460	1,150	1,742	236	0
Kitchener/Waterloo	4,913	222	533	3,788	369	1
Langley	3,997	0	115	3,349	519	14
London	8,192	390	1,263	6,347	191	1
Moncton/Greater Moncton International	6,155	1,142	848	4,088	77	0
Montréal/Mirabel International	1,550	699	254	454	143	0
Montréal/Pierre Elliott Trudeau International	19,425	12,554	5,635	864	372	0
Montréal/St-Hubert	9,615	245	818	7,848	703	1
Oshawa	3,092	13	85	2,889	105	0
Ottawa/Macdonald-Cartier International	11,280	5,838	2,219	2,748	474	1
Pitt Meadows	5,113	0	28	4,799	263	23
Prince George	2,514	122	1,484	552	334	22
Québec/Jean Lesage International	8,717	1,585	3,243	3,008	881	0
Regina International	3,877	1,509	854	1,444	64	6
Saskatoon/John G. Diefenbaker International	6,553	1,895	2,034	2,544	80	0
Sault Ste. Marie	2,476	61	1,123	1,252	40	0
St. John's International	3,154	1,417	1,342	115	280	0
St-Jean	1,895	0	42	1,442	15	396
Thunder Bay	5,733	933	2,834	1,477	489	0
Toronto/Buttonville Municipal	8,183	137	414	7,007	624	1
Toronto/City Centre	4,936	2	1,987	2,406	540	1
Toronto/Lester B. Pearson International	36,725	30,070	6,565	76	14	0
Vancouver Harbour	6,445	0	3,338	2,183	924	0
Vancouver International	30,364	12,746	11,255	4,914	1,449	0
Victoria International	10,293	1,500	2,261	5,966	566	0
Whitehorse International	1,619	332	442	616	229	0
Windsor	1,977	71	544	1,334	28	0
Winnipeg/James Armstrong Richardson International	11,184	5,427	4,377	1,186	192	2
Winnipeg/St. Andrews	3,843	0	447	3,257	139	0
Yellowknife	4,351	800	2,767	343	441	0
<b>Total of NAV CANADA towers (41)</b>	<b>311,787</b>	<b>110,036</b>	<b>74,508</b>	<b>110,107</b>	<b>16,618</b>	<b>518</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	1,566	37	173	925	95	336
Campbell River	2,353	39	774	989	550	1
Castlegar	1,009	10	356	526	117	0
Charlottetown	1,740	531	376	780	53	0
Churchill	948	16	837	33	62	0
Cranbrook	932	34	520	310	30	38
Deer Lake	1,420	292	983	103	42	0
Fort McMurray	6,575	1,413	1,767	1,552	1,843	0
Fort Nelson	1,880	56	409	419	996	0
Fort St John	2,370	265	613	371	1,121	0
Fredericton International	3,990	334	725	2,752	179	0
Grande Prairie	2,831	191	1,025	749	612	254
High Level	1,147	9	305	395	438	0
Îles-de-la-Madeleine	384	18	287	77	2	0
Inuvik/Mike Zubko	1,634	250	865	175	344	0
Iqaluit	1,986	435	1,264	35	252	0
Kamloops	2,411	65	1,200	855	291	0
Kenora	1,093	58	521	231	283	0
Kingston	1,923	23	625	1,147	128	0
Kuujuaq	1,131	139	888	6	98	0
Kuujuarapik	494	2	474	2	16	0
La Grande Rivière	802	8	652	109	33	0
La Ronge	1,352	11	1,070	239	32	0
Lethbridge	1,993	78	583	1,286	46	0
Lloydminster	877	20	253	552	52	0
Medicine Hat	1,098	34	469	489	106	0
Mont-Joli	597	9	337	212	39	0
Nanaimo	2,532	32	526	1,865	94	15
Norman Wells	1,138	159	387	328	262	2
North Bay	1,930	74	761	566	485	44
Ottawa/Gatineau	1,491	5	133	1,109	240	4
Peace River	846	33	405	214	194	0
Penticton	2,025	35	594	937	459	0
Port Hardy	1,131	20	664	247	200	0
Prince Albert	1,717	10	1,383	234	90	0
Prince Rupert	420	38	225	55	102	0
Rankin Inlet	1,333	150	941	7	235	0
Red Deer Regional	2,550	68	433	1,873	176	0
Rouyn-Noranda	1,209	97	758	334	20	0
Saint John	1,695	385	592	678	40	0
Sept-Îles	2,069	52	1,248	436	333	0
Sioux Lookout	2,304	7	1,925	316	56	0
Smithers	1,150	29	576	107	438	0
St Anthony	331	6	293	6	26	0
St Catharines	1,815	57	41	1,221	495	1
Sudbury	2,485	28	1,804	374	279	0
Terrace	1,250	27	593	71	559	0
Thompson	2,786	84	2,186	293	223	0
Timmins	2,104	7	1,702	326	69	0
Val-d'Or	1,297	106	703	324	164	0
Victoria Harbour	4,440	0	3,037	693	710	0
Wabush	952	36	612	100	204	0
Whitecourt	1,239	18	119	148	954	0
Williams Lake	1,041	18	489	316	218	0
<b>Total of all flight service stations (54)</b>	<b>91,816</b>	<b>5,958</b>	<b>41,481</b>	<b>28,497</b>	<b>15,185</b>	<b>695</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	4,777	593	205	40	51	81	456	6	13	1
Boundary Bay	9,362	463	113	0	1	0	0	0	0	0
Calgary International	1,151	720	1,817	1,955	1,180	3,996	7,460	1,470	258	653
Calgary/Springbank	5,998	437	176	60	11	7	0	0	0	0
Chicoutimi/St-Honoré	2,574	336	112	2	1	0	4	4	0	0
Edmonton City Centre	3,219	856	1,839	707	247	52	3	2	0	0
Edmonton International	256	185	651	901	550	2,717	4,830	516	189	131
Edmonton/Villeneuve	1,364	183	37	0	1	0	0	0	0	0
Gander International	722	88	143	226	530	370	66	95	37	106
Halifax/Robert L. Stanfield International	247	448	508	904	959	1,297	2,002	364	150	176
Hamilton	1,218	406	283	297	154	50	543	5	549	105
Kelowna	1,849	153	217	625	87	790	851	0	16	0
Kitchener/Waterloo	3,889	289	341	88	210	30	64	2	0	0
Langley	3,752	226	9	0	9	1	0	0	0	0
London	6,305	328	287	96	820	174	175	3	0	4
Moncton/Greater Moncton International	3,969	235	360	257	197	539	317	30	251	0
Montréal/Mirabel International	473	134	71	138	55	162	92	2	273	150
Montréal/Pierre Elliott Trudeau International	904	285	841	1,014	3,054	5,608	4,625	1,204	97	1,793
Montréal/St-Hubert	7,599	739	867	232	164	4	8	2	0	0
Oshawa	2,819	160	61	17	29	6	0	0	0	0
Ottawa/Macdonald-Cartier International	2,807	151	1,181	282	582	2,582	2,640	753	158	144
Pitt Meadows	4,944	138	27	4	0	0	0	0	0	0
Prince George	815	193	178	594	42	684	8	0	0	0
Québec/Jean Lesage International	3,119	727	1,034	261	1,548	1,668	233	39	6	82
Regina International	1,088	429	467	394	114	468	822	3	92	0
Saskatoon/John G. Diefenbaker International	2,183	471	884	708	399	882	972	0	54	0
Sault Ste. Marie	1,221	161	550	68	325	139	2	10	0	0
St. John's International	92	21	407	427	741	65	1,067	257	57	20
St-Jean	1,733	114	42	4	0	0	0	2	0	0
Thunder Bay	1,546	278	2,468	277	196	620	279	69	0	0
Toronto/Buttonville Municipal	7,215	483	325	100	36	18	6	0	0	0
Toronto/City Centre	2,423	295	834	53	8	1,321	0	2	0	0
Toronto/Lester B. Pearson International	36	365	363	2,719	3,875	8,167	12,974	3,692	557	3,977
Vancouver Harbour	271	4,515	1,659	0	0	0	0	0	0	0
Vancouver International	1,558	6,332	1,303	3,128	2,768	5,029	5,652	1,596	535	2,463
Victoria International	5,375	1,259	277	543	1,179	914	649	55	42	0
Whitehorse International	708	274	146	65	8	115	281	4	0	18
Windsor	1,255	151	43	109	370	43	2	4	0	0
Winnipeg/James Armstrong Richardson International	834	559	3,024	474	964	1,462	2,703	588	521	55
Winnipeg/St. Andrews	2,968	716	151	4	2	2	0	0	0	0
Yellowknife	482	623	839	289	317	957	582	262	0	0
<b>Total of NAV CANADA towers (41)</b>	<b>105,120</b>	<b>25,519</b>	<b>25,140</b>	<b>18,062</b>	<b>21,784</b>	<b>41,020</b>	<b>50,368</b>	<b>11,041</b>	<b>3,855</b>	<b>9,878</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	1,269	47	183	30	15	2	0	20	0	0
Campbell River	1,432	95	95	448	257	24	2	0	0	0
Castlegar	605	20	62	77	11	218	16	0	0	0
Charlottetown	628	221	85	20	252	398	122	12	0	2
Churchill	79	69	151	138	144	365	2	0	0	0
Cranbrook	302	80	98	210	134	107	1	0	0	0
Deer Lake	64	58	119	125	760	138	150	0	6	0
Fort McMurray	2,652	1,141	711	638	312	719	400	0	2	0
Fort Nelson	1,234	241	128	159	118	0	0	0	0	0
Fort St John	1,400	70	303	261	113	223	0	0	0	0
Fredericton International	2,631	173	377	246	155	371	8	6	0	23
Grande Prairie	1,350	281	460	138	32	447	121	2	0	0
High Level	689	140	175	138	5	0	0	0	0	0
Îles-de-la-Madeleine	3	74	20	56	204	23	4	0	0	0
Inuvik/Mike Zubko	430	11	605	235	8	186	103	56	0	0
Iqaluit	171	107	427	184	328	404	213	37	115	0
Kamloops	940	172	189	438	165	507	0	0	0	0
Kenora	308	67	632	30	24	21	2	9	0	0
Kingston	1,189	45	135	489	54	1	0	10	0	0
Kuujuuaq	98	22	742	8	102	37	14	2	106	0
Kuujuuarapik	14	10	235	0	180	55	0	0	0	0
La Grande Rivière	51	123	108	18	147	355	0	0	0	0
La Ronge	73	199	471	115	283	211	0	0	0	0
Lethbridge	1,158	177	215	312	108	2	21	0	0	0
Lloydminster	513	100	147	109	8	0	0	0	0	0
Medicine Hat	538	39	252	248	16	5	0	0	0	0
Mont-Joli	169	76	118	56	112	66	0	0	0	0
Nanaimo	1,648	356	93	103	18	314	0	0	0	0
Norman Wells	439	187	282	10	27	52	137	4	0	0
North Bay	1,036	194	311	122	162	89	12	4	0	0
Ottawa/Gatineau	1,195	140	137	2	5	11	0	0	0	1
Peace River	230	162	400	34	20	0	0	0	0	0
Penticton	1,270	120	84	290	45	216	0	0	0	0
Port Hardy	181	243	347	85	265	10	0	0	0	0
Prince Albert	189	129	280	289	480	350	0	0	0	0
Prince Rupert	39	88	28	46	96	123	0	0	0	0
Rankin Inlet	238	40	305	197	292	113	146	2	0	0
Red Deer Regional	1,737	299	299	113	88	9	5	0	0	0
Rouyn-Noranda	340	18	386	10	224	160	71	0	0	0
Saint John	527	190	187	277	143	317	50	4	0	0
Sept-Îles	415	354	469	132	656	39	4	0	0	0
Sioux Lookout	147	222	1,398	534	0	3	0	0	0	0
Smithers	497	84	144	236	73	116	0	0	0	0
St Anthony	12	16	217	25	59	0	2	0	0	0
St Catharines	1,628	85	39	31	20	7	5	0	0	0
Sudbury	361	309	1,288	114	105	304	0	4	0	0
Terrace	565	57	52	248	130	198	0	0	0	0
Thompson	248	572	1,238	22	298	359	49	0	0	0
Timmins	293	215	981	80	366	167	0	2	0	0
Val-d'Or	426	44	313	14	291	126	10	0	73	0
Victoria Harbour	32	2,784	1,608	0	16	0	0	0	0	0
Wabush	212	82	103	66	465	24	0	0	0	0
Whitecourt	1,042	72	84	33	2	2	2	2	0	0
Williams Lake	497	36	62	393	48	2	3	0	0	0
<b>Total of all flight service stations (54)</b>	<b>35,434</b>	<b>10,956</b>	<b>18,378</b>	<b>8,432</b>	<b>8,441</b>	<b>7,996</b>	<b>1,675</b>	<b>176</b>	<b>302</b>	<b>26</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	6,152	538	2,803	1,358	1,251	176	26
Transborder	71	10	8	1	51	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>6,223</b>	<b>548</b>	<b>2,811</b>	<b>1,359</b>	<b>1,302</b>	<b>176</b>	<b>27</b>
<b>Boundary Bay</b>							
Domestic	9,886	13	1,765	6,413	1,652	39	4
Transborder	53	0	1	30	21	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>9,939</b>	<b>13</b>	<b>1,766</b>	<b>6,443</b>	<b>1,673</b>	<b>39</b>	<b>5</b>
<b>Calgary International</b>							
Domestic	16,719	13,358	1,324	534	1,133	182	188
Transborder	3,398	2,940	71	45	323	0	19
Other international	543	528	0	0	7	0	8
<b>Total</b>	<b>20,660</b>	<b>16,826</b>	<b>1,395</b>	<b>579</b>	<b>1,463</b>	<b>182</b>	<b>215</b>
<b>Calgary/Springbank</b>							
Domestic	6,585	53	809	3,651	2,026	26	20
Transborder	96	2	6	1	87	0	0
Other international	8	0	0	2	6	0	0
<b>Total</b>	<b>6,689</b>	<b>55</b>	<b>815</b>	<b>3,654</b>	<b>2,119</b>	<b>26</b>	<b>20</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	3,032	5	651	2,180	179	15	2
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,033</b>	<b>6</b>	<b>651</b>	<b>2,180</b>	<b>179</b>	<b>15</b>	<b>2</b>
<b>Edmonton City Centre</b>							
Domestic	6,883	1,737	842	2,151	1,532	562	59
Transborder	42	4	3	1	34	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>6,925</b>	<b>1,741</b>	<b>845</b>	<b>2,152</b>	<b>1,566</b>	<b>562</b>	<b>59</b>
<b>Edmonton International</b>							
Domestic	9,400	8,552	317	107	296	18	110
Transborder	1,406	1,305	6	1	94	0	0
Other international	120	104	0	0	2	0	14
<b>Total</b>	<b>10,926</b>	<b>9,961</b>	<b>323</b>	<b>108</b>	<b>392</b>	<b>18</b>	<b>124</b>
<b>Edmonton/Villeneuve</b>							
Domestic	1,583	4	121	891	427	126	14
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,585</b>	<b>4</b>	<b>121</b>	<b>891</b>	<b>429</b>	<b>126</b>	<b>14</b>
<b>Gander International</b>							
Domestic	1,677	413	927	21	90	25	201
Transborder	318	56	1	11	167	1	82
Other international	388	120	0	13	164	1	90
<b>Total</b>	<b>2,383</b>	<b>589</b>	<b>928</b>	<b>45</b>	<b>421</b>	<b>27</b>	<b>373</b>
<b>Halifax/Robert L Stanfield International</b>							
Domestic	5,684	4,443	321	148	348	65	359
Transborder	1,046	863	43	5	110	0	25
Other international	325	179	94	9	20	1	22
<b>Total</b>	<b>7,055</b>	<b>5,485</b>	<b>458</b>	<b>162</b>	<b>478</b>	<b>66</b>	<b>406</b>
<b>Hamilton</b>							
Domestic	3,039	1,255	939	218	434	157	36
Transborder	501	334	14	4	149	0	0
Other international	70	63	0	0	7	0	0
<b>Total</b>	<b>3,610</b>	<b>1,652</b>	<b>953</b>	<b>222</b>	<b>590</b>	<b>157</b>	<b>36</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>Kelowna</b>							
Domestic	4,338	2,115	263	1,108	678	117	57
Transborder	250	180	5	4	61	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,588</b>	<b>2,295</b>	<b>268</b>	<b>1,112</b>	<b>739</b>	<b>117</b>	<b>57</b>
<b>Kitchener/Waterloo</b>							
Domestic	4,522	286	2,617	557	1,017	8	37
Transborder	387	189	47	10	141	0	0
Other international	4	2	0	0	2	0	0
<b>Total</b>	<b>4,913</b>	<b>477</b>	<b>2,664</b>	<b>567</b>	<b>1,160</b>	<b>8</b>	<b>37</b>
<b>Langley</b>							
Domestic	3,978	143	163	2,215	1,447	10	0
Transborder	14	0	0	0	14	0	0
Other international	5	0	0	0	5	0	0
<b>Total</b>	<b>3,997</b>	<b>143</b>	<b>163</b>	<b>2,215</b>	<b>1,466</b>	<b>10</b>	<b>0</b>
<b>London</b>							
Domestic	7,774	1,020	1,190	4,355	1,087	85	37
Transborder	418	269	5	2	138	0	4
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>8,192</b>	<b>1,289</b>	<b>1,195</b>	<b>4,357</b>	<b>1,225</b>	<b>85</b>	<b>41</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	6,060	1,697	3,683	168	278	197	37
Transborder	82	63	0	0	19	0	0
Other international	13	11	1	0	1	0	0
<b>Total</b>	<b>6,155</b>	<b>1,771</b>	<b>3,684</b>	<b>168</b>	<b>298</b>	<b>197</b>	<b>37</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,340	489	307	129	360	12	43
Transborder	209	183	0	0	26	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,550</b>	<b>673</b>	<b>307</b>	<b>129</b>	<b>386</b>	<b>12</b>	<b>43</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	11,293	8,957	447	764	933	177	15
Transborder	6,237	5,487	96	65	584	3	2
Other international	1,895	1,747	40	11	97	0	0
<b>Total</b>	<b>19,425</b>	<b>16,191</b>	<b>583</b>	<b>840</b>	<b>1,614</b>	<b>180</b>	<b>17</b>
<b>Montréal/St-Hubert</b>							
Domestic	9,447	4,141	733	2,874	1,365	130	204
Transborder	164	20	3	5	129	6	1
Other international	4	4	0	0	0	0	0
<b>Total</b>	<b>9,615</b>	<b>4,165</b>	<b>736</b>	<b>2,879</b>	<b>1,494</b>	<b>136</b>	<b>205</b>
<b>Oshawa</b>							
Domestic	3,052	150	88	2,099	706	4	5
Transborder	40	7	1	2	30	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,092</b>	<b>157</b>	<b>89</b>	<b>2,101</b>	<b>736</b>	<b>4</b>	<b>5</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	9,004	5,035	407	2,369	441	535	217
Transborder	2,097	1,945	17	4	102	26	3
Other international	179	136	10	6	14	3	10
<b>Total</b>	<b>11,280</b>	<b>7,116</b>	<b>434</b>	<b>2,379</b>	<b>557</b>	<b>564</b>	<b>230</b>
<b>Pitt Meadows</b>							
Domestic	5,100	43	1,149	2,283	1,582	3	40
Transborder	12	0	0	0	12	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>5,113</b>	<b>43</b>	<b>1,149</b>	<b>2,283</b>	<b>1,595</b>	<b>3</b>	<b>40</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	2,435	1,309	291	152	494	153	36
Transborder	77	59	0	0	18	0	0
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>2,514</b>	<b>1,370</b>	<b>291</b>	<b>152</b>	<b>512</b>	<b>153</b>	<b>36</b>
<b>Québec/Jean Lesage International</b>							
Domestic	7,974	3,578	869	1,757	1,178	372	220
Transborder	655	493	16	4	134	5	3
Other international	88	47	3	4	30	1	3
<b>Total</b>	<b>8,717</b>	<b>4,118</b>	<b>888</b>	<b>1,765</b>	<b>1,342</b>	<b>378</b>	<b>226</b>
<b>Regina International</b>							
Domestic	3,661	1,888	793	50	373	243	314
Transborder	215	138	2	2	70	1	2
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>3,877</b>	<b>2,027</b>	<b>795</b>	<b>52</b>	<b>443</b>	<b>244</b>	<b>316</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	6,215	3,088	1,355	547	674	362	189
Transborder	336	253	5	3	73	0	2
Other international	2	1	0	0	0	0	1
<b>Total</b>	<b>6,553</b>	<b>3,342</b>	<b>1,360</b>	<b>550</b>	<b>747</b>	<b>362</b>	<b>192</b>
<b>Sault Ste. Marie</b>							
Domestic	2,434	901	145	1,075	140	120	53
Transborder	42	0	2	2	37	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,476</b>	<b>901</b>	<b>147</b>	<b>1,077</b>	<b>177</b>	<b>120</b>	<b>54</b>
<b>St. John's International</b>							
Domestic	2,790	1,880	647	78	77	50	58
Transborder	189	66	0	3	43	0	77
Other international	175	44	7	5	43	1	75
<b>Total</b>	<b>3,154</b>	<b>1,990</b>	<b>654</b>	<b>86</b>	<b>163</b>	<b>51</b>	<b>210</b>
<b>St-Jean</b>							
Domestic	1,894	148	103	402	711	16	514
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,895</b>	<b>148</b>	<b>103</b>	<b>402</b>	<b>712</b>	<b>16</b>	<b>514</b>
<b>Thunder Bay</b>							
Domestic	5,553	2,871	830	1,163	256	152	281
Transborder	179	125	10	2	37	0	5
Other international	1	0	0	0	0	1	0
<b>Total</b>	<b>5,733</b>	<b>2,996</b>	<b>840</b>	<b>1,165</b>	<b>293</b>	<b>153</b>	<b>286</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	7,863	328	800	4,429	2,247	53	6
Transborder	319	59	21	37	200	2	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>8,183</b>	<b>387</b>	<b>821</b>	<b>4,466</b>	<b>2,448</b>	<b>55</b>	<b>6</b>
<b>Toronto/City Centre</b>							
Domestic	4,368	1,204	1,043	1,426	649	40	6
Transborder	568	370	27	5	166	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,936</b>	<b>1,574</b>	<b>1,070</b>	<b>1,431</b>	<b>815</b>	<b>40</b>	<b>6</b>
<b>Toronto/Lester B Pearson International</b>							
Domestic	17,239	16,027	409	87	639	46	31
Transborder	15,473	14,284	138	67	980	1	3
Other international	4,013	3,951	12	20	28	0	2
<b>Total</b>	<b>36,725</b>	<b>34,262</b>	<b>559</b>	<b>174</b>	<b>1,647</b>	<b>47</b>	<b>36</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	6,308	4,850	483	884	83	8	0
Transborder	137	120	8	0	9	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>6,445</b>	<b>4,970</b>	<b>491</b>	<b>884</b>	<b>92</b>	<b>8</b>	<b>0</b>
<b>Vancouver International</b>							
Domestic	23,614	19,353	2,081	1,030	857	270	23
Transborder	4,972	4,457	25	19	463	6	2
Other international	1,778	1,627	109	15	16	7	4
<b>Total</b>	<b>30,364</b>	<b>25,437</b>	<b>2,215</b>	<b>1,064</b>	<b>1,336</b>	<b>283</b>	<b>29</b>
<b>Victoria International</b>							
Domestic	9,490	3,016	3,382	1,282	1,590	23	197
Transborder	767	390	21	7	339	0	10
Other international	36	1	15	6	14	0	0
<b>Total</b>	<b>10,293</b>	<b>3,407</b>	<b>3,418</b>	<b>1,295</b>	<b>1,943</b>	<b>23</b>	<b>207</b>
<b>Whitehorse International</b>							
Domestic	1,508	844	328	37	264	28	7
Transborder	99	17	2	0	79	0	1
Other international	12	11	0	0	1	0	0
<b>Total</b>	<b>1,619</b>	<b>872</b>	<b>330</b>	<b>37</b>	<b>344</b>	<b>28</b>	<b>8</b>
<b>Windsor</b>							
Domestic	1,905	520	952	79	341	8	5
Transborder	70	12	8	0	50	0	0
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>1,977</b>	<b>534</b>	<b>960</b>	<b>79</b>	<b>391</b>	<b>8</b>	<b>5</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	10,001	7,951	665	114	327	305	639
Transborder	1,174	1,040	9	6	105	3	11
Other international	9	3	0	1	1	0	4
<b>Total</b>	<b>11,184</b>	<b>8,994</b>	<b>674</b>	<b>121</b>	<b>433</b>	<b>308</b>	<b>654</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,841	502	2,113	835	363	12	16
Transborder	2	0	1	1	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,843</b>	<b>502</b>	<b>2,114</b>	<b>836</b>	<b>363</b>	<b>12</b>	<b>16</b>
<b>Yellowknife</b>							
Domestic	4,341	3,541	489	56	82	86	87
Transborder	7	3	0	2	2	0	0
Other international	3	0	1	0	2	0	0
<b>Total</b>	<b>4,351</b>	<b>3,544</b>	<b>490</b>	<b>58</b>	<b>86</b>	<b>86</b>	<b>87</b>
<b>Total of NAV CANADA towers (41)</b>							
Domestic	259,982	128,246	39,644	52,076	30,607	5,016	4,393
Transborder	42,126	35,744	622	351	5,100	54	255
Other international	9,679	8,585	292	92	462	15	233
<b>Total</b>	<b>311,787</b>	<b>172,575</b>	<b>40,558</b>	<b>52,519</b>	<b>36,169</b>	<b>5,085</b>	<b>4,881</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	1,549	106	239	64	603	29	508
Transborder	17	0	0	0	17	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,566</b>	<b>106</b>	<b>239</b>	<b>64</b>	<b>620</b>	<b>29</b>	<b>508</b>
<b>Campbell River</b>							
Domestic	2,267	670	463	598	476	54	6
Transborder	86	2	1	0	83	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,353</b>	<b>672</b>	<b>464</b>	<b>598</b>	<b>559</b>	<b>54</b>	<b>6</b>
<b>Castlegar</b>							
Domestic	999	294	136	425	116	7	21
Transborder	10	0	0	3	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,009</b>	<b>294</b>	<b>136</b>	<b>428</b>	<b>123</b>	<b>7</b>	<b>21</b>
<b>Charlottetown</b>							
Domestic	1,648	796	143	447	148	35	79
Transborder	91	59	0	0	32	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>1,740</b>	<b>855</b>	<b>143</b>	<b>447</b>	<b>181</b>	<b>35</b>	<b>79</b>
<b>Churchill</b>							
Domestic	947	757	82	58	26	22	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>948</b>	<b>757</b>	<b>82</b>	<b>58</b>	<b>27</b>	<b>22</b>	<b>2</b>
<b>Cranbrook</b>							
Domestic	905	527	60	14	173	6	125
Transborder	26	4	1	0	21	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>932</b>	<b>531</b>	<b>61</b>	<b>14</b>	<b>195</b>	<b>6</b>	<b>125</b>
<b>Deer Lake</b>							
Domestic	1,413	1,120	179	57	19	30	8
Transborder	1	1	0	0	0	0	0
Other international	6	6	0	0	0	0	0
<b>Total</b>	<b>1,420</b>	<b>1,127</b>	<b>179</b>	<b>57</b>	<b>19</b>	<b>30</b>	<b>8</b>
<b>Fort McMurray</b>							
Domestic	6,572	3,478	1,819	476	744	42	13
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>6,575</b>	<b>3,479</b>	<b>1,819</b>	<b>476</b>	<b>746</b>	<b>42</b>	<b>13</b>
<b>Fort Nelson</b>							
Domestic	1,873	346	709	533	207	20	58
Transborder	7	6	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,880</b>	<b>352</b>	<b>709</b>	<b>533</b>	<b>208</b>	<b>20</b>	<b>58</b>
<b>Fort St John</b>							
Domestic	2,368	776	1,096	162	284	46	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,370</b>	<b>776</b>	<b>1,096</b>	<b>162</b>	<b>286</b>	<b>46</b>	<b>4</b>
<b>Fredericton International</b>							
Domestic	3,910	798	2,482	139	168	137	186
Transborder	73	6	1	3	54	9	0
Other international	7	1	0	0	0	0	6
<b>Total</b>	<b>3,990</b>	<b>805</b>	<b>2,483</b>	<b>142</b>	<b>222</b>	<b>146</b>	<b>192</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>Grande Prairie</b>							
Domestic	2,826	1,053	862	126	499	28	258
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,831</b>	<b>1,053</b>	<b>862</b>	<b>126</b>	<b>504</b>	<b>28</b>	<b>258</b>
<b>High Level</b>							
Domestic	1,145	173	830	78	60	4	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,147</b>	<b>173</b>	<b>830</b>	<b>78</b>	<b>62</b>	<b>4</b>	<b>0</b>
<b>Îles-de-la-Madeleine</b>							
Domestic	382	286	6	10	5	43	32
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>384</b>	<b>286</b>	<b>6</b>	<b>10</b>	<b>7</b>	<b>43</b>	<b>32</b>
<b>Inuvik/Mike Zubko</b>							
Domestic	1,630	364	959	50	87	36	134
Transborder	4	2	2	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,634</b>	<b>366</b>	<b>961</b>	<b>50</b>	<b>87</b>	<b>36</b>	<b>134</b>
<b>Iqaluit</b>							
Domestic	1,857	1,161	425	106	25	115	25
Transborder	47	22	5	0	20	0	0
Other international	82	33	0	13	32	0	4
<b>Total</b>	<b>1,986</b>	<b>1,216</b>	<b>430</b>	<b>119</b>	<b>77</b>	<b>115</b>	<b>29</b>
<b>Kamloops</b>							
Domestic	2,387	1,160	293	358	507	47	22
Transborder	24	1	1	2	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,411</b>	<b>1,161</b>	<b>294</b>	<b>360</b>	<b>527</b>	<b>47</b>	<b>22</b>
<b>Kenora</b>							
Domestic	1,020	393	404	24	90	57	52
Transborder	73	1	1	0	71	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,093</b>	<b>394</b>	<b>405</b>	<b>24</b>	<b>161</b>	<b>57</b>	<b>52</b>
<b>Kingston</b>							
Domestic	1,891	517	299	527	450	48	50
Transborder	32	1	0	0	31	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,923</b>	<b>518</b>	<b>299</b>	<b>527</b>	<b>481</b>	<b>48</b>	<b>50</b>
<b>Kuujuuaq</b>							
Domestic	1,130	948	150	2	5	23	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,131</b>	<b>948</b>	<b>150</b>	<b>2</b>	<b>6</b>	<b>23</b>	<b>2</b>
<b>Kuujuarapik</b>							
Domestic	494	461	25	4	2	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>494</b>	<b>461</b>	<b>25</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>La Grande Rivière</b>							
Domestic	802	506	234	6	42	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>802</b>	<b>506</b>	<b>234</b>	<b>6</b>	<b>42</b>	<b>14</b>	<b>0</b>
<b>La Ronge</b>							
Domestic	1,352	1,112	29	4	67	115	25
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,352</b>	<b>1,112</b>	<b>29</b>	<b>4</b>	<b>67</b>	<b>115</b>	<b>25</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>Lethbridge</b>							
Domestic	1,882	429	76	806	483	33	55
Transborder	111	0	2	10	99	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,993</b>	<b>429</b>	<b>78</b>	<b>816</b>	<b>582</b>	<b>33</b>	<b>55</b>
<b>Lloydminster</b>							
Domestic	870	157	176	34	437	42	24
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>877</b>	<b>157</b>	<b>176</b>	<b>34</b>	<b>444</b>	<b>42</b>	<b>24</b>
<b>Medicine Hat</b>							
Domestic	1,092	620	69	52	282	19	50
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,098</b>	<b>621</b>	<b>69</b>	<b>52</b>	<b>287</b>	<b>19</b>	<b>50</b>
<b>Mont-Joli</b>							
Domestic	597	388	29	38	45	15	82
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>597</b>	<b>388</b>	<b>29</b>	<b>38</b>	<b>45</b>	<b>15</b>	<b>82</b>
<b>Nanaimo</b>							
Domestic	2,452	458	612	322	981	32	47
Transborder	80	9	2	0	69	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,532</b>	<b>467</b>	<b>614</b>	<b>322</b>	<b>1,050</b>	<b>32</b>	<b>47</b>
<b>Norman Wells</b>							
Domestic	1,138	735	330	2	31	16	24
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,138</b>	<b>735</b>	<b>330</b>	<b>2</b>	<b>31</b>	<b>16</b>	<b>24</b>
<b>North Bay</b>							
Domestic	1,873	529	535	319	406	52	32
Transborder	55	6	6	1	40	0	2
Other international	2	1	0	0	1	0	0
<b>Total</b>	<b>1,930</b>	<b>536</b>	<b>541</b>	<b>320</b>	<b>447</b>	<b>52</b>	<b>34</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,485	91	379	217	749	44	5
Transborder	6	0	3	1	1	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,491</b>	<b>91</b>	<b>382</b>	<b>218</b>	<b>750</b>	<b>44</b>	<b>6</b>
<b>Peace River</b>							
Domestic	839	470	215	18	106	28	2
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>846</b>	<b>470</b>	<b>215</b>	<b>18</b>	<b>113</b>	<b>28</b>	<b>2</b>
<b>Penticton</b>							
Domestic	1,987	492	771	115	487	28	94
Transborder	38	1	0	0	37	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,025</b>	<b>493</b>	<b>771</b>	<b>115</b>	<b>524</b>	<b>28</b>	<b>94</b>
<b>Port Hardy</b>							
Domestic	1,098	788	114	30	72	84	10
Transborder	33	0	0	0	27	0	6
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,131</b>	<b>788</b>	<b>114</b>	<b>30</b>	<b>99</b>	<b>84</b>	<b>16</b>
<b>Prince Albert</b>							
Domestic	1,714	1,308	103	51	92	122	38
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
<b>Total</b>	<b>1,717</b>	<b>1,309</b>	<b>103</b>	<b>51</b>	<b>94</b>	<b>122</b>	<b>38</b>
<b>Prince Rupert</b>							
Domestic	390	216	76	33	28	36	1
Transborder	30	2	1	0	26	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>420</b>	<b>218</b>	<b>77</b>	<b>33</b>	<b>54</b>	<b>36</b>	<b>2</b>
<b>Rankin Inlet</b>							
Domestic	1,333	1,058	238	3	16	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,333</b>	<b>1,058</b>	<b>238</b>	<b>3</b>	<b>16</b>	<b>16</b>	<b>2</b>
<b>Red Deer Regional</b>							
Domestic	2,534	246	1,241	192	793	33	29
Transborder	16	1	2	0	13	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,550</b>	<b>247</b>	<b>1,243</b>	<b>192</b>	<b>806</b>	<b>33</b>	<b>29</b>
<b>Rouyn-Noranda</b>							
Domestic	1,208	601	159	214	196	38	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,209</b>	<b>601</b>	<b>159</b>	<b>214</b>	<b>197</b>	<b>38</b>	<b>0</b>
<b>Saint John</b>							
Domestic	1,608	815	299	171	275	24	24
Transborder	85	6	0	1	78	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>1,695</b>	<b>821</b>	<b>299</b>	<b>172</b>	<b>355</b>	<b>24</b>	<b>24</b>
<b>Sept-Îles</b>							
Domestic	2,064	1,217	570	67	129	78	3
Transborder	3	0	0	1	2	0	0
Other international	2	0	0	1	1	0	0
<b>Total</b>	<b>2,069</b>	<b>1,217</b>	<b>570</b>	<b>69</b>	<b>132</b>	<b>78</b>	<b>3</b>
<b>Sioux Lookout</b>							
Domestic	2,283	1,808	347	7	99	12	10
Transborder	21	0	1	0	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,304</b>	<b>1,808</b>	<b>348</b>	<b>7</b>	<b>119</b>	<b>12</b>	<b>10</b>
<b>Smithers</b>							
Domestic	1,130	498	221	274	103	34	0
Transborder	20	1	0	0	19	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,150</b>	<b>499</b>	<b>221</b>	<b>274</b>	<b>122</b>	<b>34</b>	<b>0</b>
<b>St Anthony</b>							
Domestic	331	252	15	40	6	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>331</b>	<b>252</b>	<b>15</b>	<b>40</b>	<b>6</b>	<b>16</b>	<b>2</b>
<b>St Catharines</b>							
Domestic	1,702	5	708	49	449	23	468
Transborder	113	3	24	1	85	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,815</b>	<b>8</b>	<b>732</b>	<b>50</b>	<b>534</b>	<b>23</b>	<b>468</b>
<b>Sudbury</b>							
Domestic	2,463	1,438	558	61	273	105	28
Transborder	22	6	5	0	10	1	0
Other international	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Total</b>	<b>2,485</b>	<b>1,444</b>	<b>563</b>	<b>61</b>	<b>283</b>	<b>106</b>	<b>28</b>
<b>Terrace</b>							
Domestic	1,248	565	443	108	80	50	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,250</b>	<b>565</b>	<b>443</b>	<b>108</b>	<b>82</b>	<b>50</b>	<b>2</b>
<b>Thompson</b>							
Domestic	2,782	2,267	314	21	28	147	5
Transborder	3	0	0	1	2	0	0
Other international	1	0	1	0	0	0	0
<b>Total</b>	<b>2,786</b>	<b>2,267</b>	<b>315</b>	<b>22</b>	<b>30</b>	<b>147</b>	<b>5</b>
<b>Timmins</b>							
Domestic	2,098	1,494	302	54	199	44	5
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,104</b>	<b>1,494</b>	<b>302</b>	<b>54</b>	<b>205</b>	<b>44</b>	<b>5</b>
<b>Val-d'Or</b>							
Domestic	1,297	746	173	91	233	45	9
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,297</b>	<b>746</b>	<b>173</b>	<b>91</b>	<b>233</b>	<b>45</b>	<b>9</b>
<b>Victoria Harbour</b>							
Domestic	4,011	3,726	31	144	28	73	9
Transborder	429	0	0	0	429	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,440</b>	<b>3,726</b>	<b>31</b>	<b>144</b>	<b>457</b>	<b>73</b>	<b>9</b>
<b>Wabush</b>							
Domestic	952	600	255	35	43	19	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>952</b>	<b>600</b>	<b>255</b>	<b>35</b>	<b>43</b>	<b>19</b>	<b>0</b>
<b>Whitecourt</b>							
Domestic	1,237	46	684	332	151	18	6
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,239</b>	<b>46</b>	<b>684</b>	<b>332</b>	<b>153</b>	<b>18</b>	<b>6</b>
<b>Williams Lake</b>							
Domestic	1,035	473	186	95	269	12	0
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,041</b>	<b>473</b>	<b>186</b>	<b>95</b>	<b>275</b>	<b>12</b>	<b>0</b>
<b>Total of all flight service stations (54)</b>							
Domestic	90,100	42,338	22,153	8,263	12,372	2,298	2,676
Transborder	1,612	143	58	24	1,367	10	10
Other international	104	41	1	14	38	0	10
<b>Total</b>	<b>91,816</b>	<b>42,522</b>	<b>22,212</b>	<b>8,301</b>	<b>13,777</b>	<b>2,308</b>	<b>2,696</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	13	13,952	23	15	118	23	713
Boundary Bay	4	22,573	19	14	123	23	1,052
Calgary International	5	20,854	16	18	65	18	846
Calgary/Springbank	12	14,542	20	13	99	24	670
Chicoutimi/St-Honoré	15	12,462	8	10	161	11	810
Edmonton City Centre	27	7,622	28	9	44	30	343
Edmonton International	18	11,260	17	12	44	24	467
Edmonton/Villeneuve	26	7,707	16	11	104	20	480
Gander International	36	3,771	14	20	37	12	236
Halifax/Robert L Stanfield International	24	7,827	6	13	95	5	443
Hamilton	32	5,460	19	12	54	19	314
Kelowna	29	7,173	18	11	74	26	319
Kitchener/Waterloo	21	9,773	24	15	104	24	684
Langley	23	8,131	23	15	88	13	429
London	7	18,018	11	22	106	10	958
Moncton/Greater Moncton International	17	11,263	17	11	68	19	737
Montréal/Mirabel International	40	2,120	2	18	39	30	163
Montréal/Pierre Elliott Trudeau International	6	19,425	22	18	68	11	730
Montréal/St-Hubert	3	23,725	3	11	155	3	1,357
Oshawa	28	7,564	19	13	98	23	605
Ottawa/Macdonald-Cartier International	11	15,424	22	9	89	24	792
Pitt Meadows	10	15,487	27	13	121	27	1,011
Prince George	37	3,418	20	14	37	20	213
Québec/Jean Lesage International	14	12,736	18	11	96	18	677
Regina International	33	5,139	16	9	39	5	244
Saskatoon/John G Diefenbaker International	20	10,368	29	11	71	30	491
Sault Ste. Marie	31	6,056	17	15	67	29	373
St. John's International	38	3,329	22	10	20	9	145
St-Jean	39	3,079	7	9	51	1	373
Thunder Bay	25	7,736	15	13	72	22	450
Toronto/Buttonville Municipal	9	15,645	16	14	111	16	1,014
Toronto/City Centre	22	8,954	2	21	66	2	495
Toronto/Lester B Pearson International	1	36,725	4	17	102	5	1,348
Vancouver Harbour	30	6,447	17	16	34	5	278
Vancouver International	2	30,364	1	11	97	5	1,183
Victoria International	8	16,568	18	13	130	18	936
Whitehorse International	41	1,849	25	19	23	11	98
Windsor	35	3,965	16	14	55	19	325
Winnipeg/James Armstrong Richardson International	16	12,032	9	11	58	9	555
Winnipeg/St. Andrews	19	10,539	3	16	83	17	621
Yellowknife	34	5,005	20	21	45	30	239

**Table 8-2**  
**Total aircraft movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	27	1,908	14	15	40	14	206
Campbell River	10	3,643	13	16	51	13	389
Castlegar	20	2,405	17	9	70	17	200
Charlottetown	18	2,588	2	11	24	5	180
Churchill	47	966	18	10	13	3	50
Cranbrook	46	996	20	10	23	20	131
Deer Lake	34	1,434	10	8	13	19	70
Fort McMurray	2	7,284	29	9	54	29	350
Fort Nelson	26	1,960	28	13	21	10	101
Fort St John	19	2,528	9	15	24	12	117
Fredericton International	1	7,835	4	14	52	26	462
Grande Prairie	6	4,251	19	14	40	18	253
High Level	39	1,193	1	17	15	11	70
Îles-de-la-Madeleine	53	384	3	13	4	4	22
Inuvik/Mike Zubko	30	1,772	5	17	35	5	91
Iqaluit	24	2,088	10	11	28	9	146
Kamloops	13	3,265	14	10	40	14	261
Kenora	42	1,163	19	19	26	15	69
Kingston	9	3,767	24	16	43	7	289
Kuujuuaq	41	1,165	22	13	15	19	58
Kuujuuarapik	52	494	23	12	6	23	32
La Grande Rivière	49	838	30	17	22	30	58
La Ronge	33	1,493	10	10	17	2	91
Lethbridge	11	3,453	30	18	43	13	214
Lloydminster	44	1,071	2	9	17	10	73
Medicine Hat	28	1,908	20	11	36	17	123
Mont-Joli	50	665	1	11	26	1	139
Nanaimo	8	3,930	28	14	48	28	299
Norman Wells	37	1,220	19	15	14	9	66
North Bay	5	4,416	29	15	63	21	313
Ottawa/Gatineau	12	3,339	20	12	104	20	558
Peace River	48	904	10	14	12	25	55
Penticton	7	4,109	23	15	92	18	368
Port Hardy	43	1,135	7	16	14	1	81
Prince Albert	29	1,795	25	15	24	25	106
Prince Rupert	51	534	26	12	18	19	50
Rankin Inlet	35	1,395	17	20	37	17	99
Red Deer Regional	3	4,944	3	11	48	8	312
Rouyn-Noranda	31	1,723	11	10	34	16	119
Saint John	25	2,015	11	13	19	11	133
Sept-Îles	23	2,183	7	16	28	26	114
Sioux Lookout	21	2,376	3	19	17	10	125
Smithers	40	1,170	6	17	15	6	59
St Anthony	54	331	12	14	6	26	20
St Catharines	14	3,243	1	10	52	23	202
Sudbury	17	2,863	23	18	24	3	183
Terrace	36	1,278	8	17	12	9	70
Thompson	16	2,888	2	15	17	25	138
Timmins	22	2,328	4	12	96	4	177
Val-d'Or	32	1,531	16	9	34	4	119
Victoria Harbour	4	4,440	3	17	26	12	216
Wabush	45	1,052	11	19	19	11	101
Whitecourt	15	3,219	10	14	75	10	271
Williams Lake	38	1,209	7	17	32	7	86

**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	19	6,223	30	15	44	30	306
Boundary Bay	9	9,939	9	17	80	23	478
Calgary International	3	20,660	16	18	65	18	834
Calgary/Springbank	16	6,689	20	13	49	13	343
Chicoutimi/St-Honoré	33	3,033	19	11	25	11	186
Edmonton City Centre	15	6,925	24	17	39	18	328
Edmonton International	7	10,926	18	13	39	24	451
Edmonton/Villeneuve	40	1,585	16	11	18	16	82
Gander International	36	2,383	3	10	17	19	134
Halifax/Robert L Stanfield International	14	7,055	5	11	48	5	351
Hamilton	30	3,610	18	14	18	18	196
Kelowna	25	4,588	18	11	48	18	197
Kitchener/Waterloo	24	4,913	23	13	35	10	277
Langley	27	3,997	28	12	33	4	216
London	12	8,192	25	16	47	25	434
Moncton/Greater Moncton International	20	6,155	9	11	32	19	385
Montréal/Mirabel International	41	1,550	10	13	15	30	85
Montréal/Pierre Elliott Trudeau International	4	19,425	22	18	68	11	730
Montréal/St-Hubert	10	9,615	20	10	51	16	534
Oshawa	32	3,092	19	10	24	10	193
Ottawa/Macdonald-Cartier International	5	11,280	25	14	47	25	512
Pitt Meadows	22	5,113	23	13	41	28	293
Prince George	34	2,514	13	15	18	17	103
Québec/Jean Lesage International	11	8,717	25	16	43	18	419
Regina International	28	3,877	5	13	22	3	163
Saskatoon/John G Diefenbaker International	17	6,553	18	14	37	18	301
Sault Ste. Marie	35	2,476	15	12	20	15	141
St. John's International	31	3,154	10	10	14	9	133
St-Jean	38	1,895	1	9	35	1	349
Thunder Bay	21	5,733	13	11	33	25	284
Toronto/Buttonville Municipal	13	8,183	16	14	53	16	494
Toronto/City Centre	23	4,936	20	10	35	10	263
Toronto/Lester B Pearson International	1	36,725	4	17	102	5	1,348
Vancouver Harbour	18	6,445	17	16	34	5	278
Vancouver International	2	30,364	1	11	97	5	1,183
Victoria International	8	10,293	30	11	47	29	427
Whitehorse International	39	1,619	22	13	12	11	80
Windsor	37	1,977	24	17	17	18	120
Winnipeg/James Armstrong Richardson International	6	11,184	10	15	42	10	466
Winnipeg/St. Andrews	29	3,843	8	13	25	3	222
Yellowknife	26	4,351	26	17	25	3	196

**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	26	1,566	27	11	31	21	199
Campbell River	11	2,353	14	14	24	14	129
Castlegar	43	1,009	14	15	11	14	61
Charlottetown	22	1,740	20	11	14	5	122
Churchill	45	948	18	10	13	18	50
Cranbrook	46	932	20	10	17	20	113
Deer Lake	28	1,420	10	8	13	19	70
Fort McMurray	1	6,575	5	18	32	18	311
Fort Nelson	20	1,880	22	9	15	4	94
Fort St John	10	2,370	17	11	23	30	106
Fredericton International	3	3,990	4	14	26	19	223
Grande Prairie	4	2,831	20	12	21	4	148
High Level	36	1,147	5	11	9	5	65
Îles-de-la-Madeleine	53	384	3	13	4	4	22
Inuvik/Mike Zubko	25	1,634	8	11	16	24	89
Iqaluit	17	1,986	10	11	28	10	140
Kamloops	9	2,411	14	11	27	14	151
Kenora	41	1,093	15	16	20	15	69
Kingston	19	1,923	7	10	24	10	122
Kuujuuaq	38	1,131	10	13	9	19	58
Kuujuuarapik	51	494	23	12	6	23	32
La Grande Rivière	49	802	1	10	8	26	42
La Ronge	29	1,352	24	11	14	2	81
Lethbridge	16	1,993	6	12	25	6	115
Lloydminster	47	877	24	16	9	10	55
Medicine Hat	40	1,098	20	14	12	13	65
Mont-Joli	50	597	1	10	16	1	93
Nanaimo	7	2,532	30	14	23	29	140
Norman Wells	37	1,138	13	16	13	3	59
North Bay	18	1,930	22	12	16	29	121
Ottawa/Gatineau	27	1,491	20	10	45	20	254
Peace River	48	846	10	14	12	10	52
Penticton	15	2,025	30	12	16	30	123
Port Hardy	39	1,131	7	16	14	1	81
Prince Albert	23	1,717	25	15	18	25	96
Prince Rupert	52	420	1	14	8	19	30
Rankin Inlet	30	1,333	8	13	12	2	65
Red Deer Regional	6	2,550	28	14	44	28	264
Rouyn-Noranda	34	1,209	9	17	12	9	65
Saint John	24	1,695	11	13	13	11	99
Sept-Îles	14	2,069	24	9	15	24	100
Sioux Lookout	12	2,304	10	8	17	9	114
Smithers	35	1,150	2	9	11	29	59
St Anthony	54	331	12	14	6	26	20
St Catharines	21	1,815	19	11	19	24	114
Sudbury	8	2,485	2	9	17	25	120
Terrace	32	1,250	18	15	10	9	68
Thompson	5	2,786	2	15	17	24	128
Timmins	13	2,104	20	11	14	15	104
Val-d'Or	31	1,297	1	14	10	4	73
Victoria Harbour	2	4,440	3	17	26	12	216
Wabush	44	952	8	13	9	16	60
Whitecourt	33	1,239	8	12	12	4	86
Williams Lake	42	1,041	7	13	11	7	62

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	7,729	22	15	82	23	412
Boundary Bay	2	12,634	19	14	106	19	666
Calgary International	36	194	25	11	20	7	24
Calgary/Springbank	6	7,853	12	9	66	24	432
Chicoutimi/St-Honoré	5	9,429	8	10	140	11	624
Edmonton City Centre	31	697	13	16	24	2	78
Edmonton International	34	334	29	6	18	26	34
Edmonton/Villeneuve	11	6,122	16	11	86	20	410
Gander International	25	1,388	14	20	32	23	128
Halifax/Robert L Stanfield International	30	772	6	13	70	6	104
Hamilton	24	1,850	25	15	40	19	142
Kelowna	21	2,585	26	20	34	25	160
Kitchener/Waterloo	13	4,860	24	15	84	24	432
Langley	16	4,134	23	15	64	13	226
London	4	9,826	11	22	102	10	560
Moncton/Greater Moncton International	12	5,108	18	0	54	18	360
Montréal/Mirabel International	33	570	2	18	35	2	89
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	14,110	4	11	124	3	970
Oshawa	14	4,472	19	13	86	23	414
Ottawa/Macdonald-Cartier International	15	4,144	24	12	58	24	320
Pitt Meadows	3	10,374	27	13	94	27	780
Prince George	28	904	19	17	30	20	150
Québec/Jean Lesage International	17	4,019	18	11	56	26	266
Regina International	26	1,262	8	11	24	5	90
Saskatoon/John G Diefenbaker International	19	3,815	29	11	48	30	230
Sault Ste. Marie	20	3,580	29	22	62	9	268
St. John's International	37	175	22	10	16	22	22
St-Jean	27	1,184	18	12	42	18	138
Thunder Bay	22	2,003	22	13	52	22	220
Toronto/Buttville Municipal	8	7,462	10	11	66	16	520
Toronto/City Centre	18	4,018	4	18	50	2	258
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	38	2	18	14	2	18	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	10	6,275	18	13	108	18	564
Whitehorse International	35	230	20	11	16	20	38
Windsor	23	1,988	16	14	46	19	214
Winnipeg/James Armstrong Richardson International	29	848	9	11	28	9	126
Winnipeg/St. Andrews	9	6,696	3	16	62	17	446
Yellowknife	32	654	20	21	40	20	66

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	20	342	5	14	28	5	50
Campbell River	13	1,290	13	16	36	13	264
Castlegar	12	1,396	17	9	64	17	156
Charlottetown	15	848	22	16	18	16	82
Churchill	48	18	20	14	8	20	8
Cranbrook	40	64	20	11	8	20	18
Deer Lake	49	14	14	14	8	14	8
Fort McMurray	17	709	29	9	34	29	130
Fort Nelson	35	80	28	13	10	10	22
Fort St John	26	158	12	10	16	25	28
Fredericton International	1	3,845	22	22	38	26	258
Grande Prairie	10	1,420	16	10	30	18	136
High Level	43	46	1	18	12	1	22
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	28	138	5	17	28	5	28
Iqaluit	32	102	3	20	10	3	18
Kamloops	14	854	27	14	30	14	110
Kenora	38	70	19	19	24	19	24
Kingston	7	1,844	7	11	38	7	196
Kuujuaq	45	34	22	13	8	22	8
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	44	36	30	17	20	30	24
La Ronge	27	141	16	14	12	7	25
Lethbridge	8	1,460	30	18	34	13	138
Lloydminster	24	194	2	9	14	2	22
Medicine Hat	16	810	18	13	28	17	76
Mont-Joli	39	68	1	11	10	1	46
Nanaimo	11	1,398	28	12	32	28	200
Norman Wells	34	82	19	15	12	8	14
North Bay	2	2,486	29	15	48	21	244
Ottawa/Gatineau	6	1,848	20	12	90	20	304
Peace River	42	58	23	13	6	29	10
Penticton	4	2,084	23	15	80	18	304
Port Hardy	50	4	16	15	2	16	2
Prince Albert	36	78	12	11	12	12	26
Prince Rupert	30	114	26	12	16	18	28
Rankin Inlet	41	62	17	20	36	17	36
Red Deer Regional	3	2,394	3	11	38	8	192
Rouyn-Noranda	18	514	11	10	26	16	62
Saint John	21	320	3	12	12	24	40
Sept-Îles	29	114	7	16	20	7	20
Sioux Lookout	37	72	3	19	10	10	12
Smithers	47	20	6	17	10	6	10
St Anthony	0	0	0	0	0	0	0
St Catharines	9	1,428	23	20	48	23	104
Sudbury	19	378	3	15	20	3	88
Terrace	46	28	18	19	6	18	6
Thompson	31	102	19	20	12	21	14
Timmins	23	224	4	12	90	4	90
Val-d'Or	22	234	16	9	32	4	46
Victoria Harbour	0	0	0	0	0	0	0
Wabush	33	100	11	19	18	11	62
Whitecourt	5	1,980	10	14	64	10	210
Williams Lake	25	168	7	17	24	1	26

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	7,718	22	15	82	23	412
Boundary Bay	2	12,634	19	14	106	19	666
Calgary International	36	184	25	11	20	7	24
Calgary/Springbank	6	7,853	12	9	66	24	432
Chicoutimi/St-Honoré	5	9,289	24	9	118	11	624
Edmonton City Centre	29	689	13	16	24	2	78
Edmonton International	34	290	29	6	18	29	32
Edmonton/Villeneuve	10	6,122	16	11	86	20	410
Gander International	27	1,126	14	20	32	12	110
Halifax/Robert L Stanfield International	31	592	6	13	70	6	86
Hamilton	24	1,842	25	15	40	19	142
Kelowna	21	2,567	26	20	34	25	160
Kitchener/Waterloo	13	4,848	24	15	84	24	432
Langley	16	4,134	23	15	64	13	226
London	4	9,798	11	22	102	10	560
Moncton/Greater Moncton International	12	5,104	18	0	54	18	360
Montréal/Mirabel International	32	529	2	18	35	2	89
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	14,110	4	11	124	3	970
Oshawa	14	4,472	19	13	86	23	414
Ottawa/Macdonald-Cartier International	15	4,136	24	12	58	24	320
Pitt Meadows	3	10,374	27	13	94	27	780
Prince George	28	904	19	17	30	20	150
Québec/Jean Lesage International	18	3,990	18	11	56	26	266
Regina International	25	1,202	8	11	24	5	88
Saskatoon/John G Diefenbaker International	20	3,519	29	11	48	29	224
Sault Ste. Marie	19	3,548	29	22	62	9	268
St. John's International	37	175	22	10	16	22	22
St-Jean	26	1,184	18	12	42	18	138
Thunder Bay	23	1,923	22	13	52	22	220
Toronto/Buttville Municipal	8	7,446	10	11	66	16	520
Toronto/City Centre	17	4,016	4	18	50	2	258
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	38	2	18	14	2	18	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	11	5,978	18	14	64	18	514
Whitehorse International	35	230	20	11	16	20	38
Windsor	22	1,988	16	14	46	19	214
Winnipeg/James Armstrong Richardson International	30	680	16	21	28	9	112
Winnipeg/St. Andrews	9	6,696	3	16	62	17	446
Yellowknife	33	492	20	21	40	20	66

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	20	326	5	14	28	5	50
Campbell River	12	1,290	13	16	36	13	264
Castlegar	11	1,392	17	9	64	17	156
Charlottetown	14	840	22	16	18	16	82
Churchill	48	18	20	14	8	20	8
Cranbrook	40	60	20	11	8	20	18
Deer Lake	49	14	14	14	8	14	8
Fort McMurray	16	707	29	9	34	29	130
Fort Nelson	35	80	28	13	10	10	22
Fort St John	26	158	12	10	16	25	28
Fredericton International	1	3,837	22	22	38	26	258
Grande Prairie	10	1,408	16	10	30	18	136
High Level	42	46	1	18	12	1	22
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	28	114	5	17	28	5	28
Iqaluit	31	102	3	20	10	3	18
Kamloops	13	853	27	14	30	14	110
Kenora	43	42	19	19	24	19	24
Kingston	7	1,842	7	11	38	7	196
Kuujuaq	45	34	22	13	8	22	8
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	44	36	30	17	20	30	24
La Ronge	27	141	16	14	12	7	25
Lethbridge	8	1,432	30	18	34	13	138
Lloydminster	24	194	2	9	14	2	22
Medicine Hat	15	758	20	11	28	17	76
Mont-Joli	38	68	1	11	10	1	46
Nanaimo	17	644	8	17	20	15	88
Norman Wells	34	82	19	15	12	8	14
North Bay	2	2,484	29	15	48	21	244
Ottawa/Gatineau	6	1,848	20	12	90	20	304
Peace River	41	58	23	13	6	29	10
Penticton	4	2,084	23	15	80	18	304
Port Hardy	50	4	16	15	2	16	2
Prince Albert	36	78	12	11	12	12	26
Prince Rupert	30	114	26	12	16	18	28
Rankin Inlet	39	62	17	20	36	17	36
Red Deer Regional	3	2,386	3	11	38	8	192
Rouyn-Noranda	18	514	11	10	26	16	62
Saint John	21	320	3	12	12	24	40
Sept-Îles	29	114	7	16	20	7	20
Sioux Lookout	37	72	3	19	10	10	12
Smithers	47	20	6	17	10	6	10
St Anthony	0	0	0	0	0	0	0
St Catharines	9	1,428	23	20	48	23	104
Sudbury	19	378	3	15	20	3	88
Terrace	46	28	18	19	6	18	6
Thompson	32	102	19	20	12	21	14
Timmins	23	224	4	12	90	4	90
Val-d'Or	22	234	16	9	32	4	46
Victoria Harbour	0	0	0	0	0	0	0
Wabush	33	100	11	19	18	11	62
Whitecourt	5	1,980	10	14	64	10	210
Williams Lake	25	168	7	17	24	1	26



**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	18	11	11	11	6	11	6
Boundary Bay	0	0	0	0	0	0	0
Calgary International	19	10	18	11	6	18	6
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	7	140	8	10	140	8	140
Edmonton City Centre	21	8	23	14	4	23	4
Edmonton International	10	44	20	12	8	26	16
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	3	262	11	10	16	11	56
Halifax/Robert L Stanfield International	4	180	2	15	18	2	34
Hamilton	20	8	21	12	6	21	6
Kelowna	15	18	18	11	12	18	12
Kitchener/Waterloo	17	12	21	13	8	21	8
Langley	0	0	0	0	0	0	0
London	14	28	29	12	20	29	20
Moncton/Greater Moncton International	23	4	11	10	2	11	2
Montréal/Mirabel International	11	41	17	14	12	17	22
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	22	8	11	17	4	11	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	13	29	17	18	10	17	10
Regina International	9	60	3	12	14	3	14
Saskatoon/John G Diefenbaker International	2	296	20	21	42	20	120
Sault Ste. Marie	12	32	15	11	14	15	14
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	8	80	15	14	12	25	26
Toronto/Buttonville Municipal	16	16	2	11	16	2	16
Toronto/City Centre	24	2	8	10	2	8	2
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	297	18	13	50	17	50
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	5	168	3	9	12	24	22
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	6	162	4	10	16	4	40

**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	6	16	8	21	16	8	16
Campbell River	0	0	0	0	0	0	0
Castlegar	11	4	29	13	2	29	4
Charlottetown	9	8	5	17	8	5	8
Churchill	0	0	0	0	0	0	0
Cranbrook	12	4	8	16	4	8	4
Deer Lake	0	0	0	0	0	0	0
Fort McMurray	13	2	25	10	2	25	2
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	8	8	11	11	6	11	6
Grande Prairie	7	12	4	12	10	4	10
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	5	24	15	17	12	15	12
Iqaluit	0	0	0	0	0	0	0
Kamloops	16	1	24	8	1	24	1
Kenora	4	28	16	14	10	16	18
Kingston	15	2	9	22	2	9	2
Kuujuaq	0	0	0	0	0	0	0
Kuujuarapik	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	19	21	16	19	28
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	2	52	18	14	24	18	40
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	1	754	28	12	32	28	180
Norman Wells	0	0	0	0	0	0	0
North Bay	14	2	19	16	2	19	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	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	10	8	2	16	8	2	8
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 Anthony	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

# Methodology

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## Survey universe

### Coverage

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

## Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

Processing of aircraft movement statistics involves several stages. Preliminary monthly data by class of operation are released in **Preliminary aircraft movement statistics**, catalogue no. 51F0001P (TP-1496 (NAV CANADA towered airports only)). Data which follow in **Aircraft movement statistics - Monthly** report, catalogue nos. 51-007-X and 51-008-X (TP-141) may contain revisions to the originally released figures. Annual tables, which may reflect further revisions, are released in the publication, **Aircraft movement statistics - 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 TP-577, they are contained in the five year historical summary of subsequent editions of TP-577. 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

Sudbury, Ontario – Air Traffic Control Tower was closed in June 2008.

Sudbury, Ontario – Flight Service Station was opened in June 2008.

Zoom Airlines suspended operations effective August 28, 2008.

## 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.

#### 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 "state" 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.

### International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States).

Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at 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 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 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 any totals in this publication.



### **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.

### **Weight group**

The classification of weight classes in groups for statistical purposes.