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

November 2009

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Statistics Canada
Transportation Division

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Symbols

The following standard symbols are used in Statistics Canada publications:

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

Acknowledgements

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Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased by 2.1% in November compared with November 2008. These 93 airports reported 453,984 movements in November compared with 444,640 movements at 95 airports in November 2008.

- Itinerant movements (flights from one airport to another) increased 1.3% (+4,128 movements) in November 2009 compared with the same month a year earlier.

- Local movements (flights that remain in the vicinity of the airport) increased by 3.9% (+5,216 movements) in November 2009 over the previous year.

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

	NAV CANADA towers	Change from November 2009/ November 2008	NAV CANADA Flight Service Stations	Change from November 2009/ November 2008	Total	Change from November 2009/ November 2008
	number	percent	number	percent	number	percent
Grand total	**361,815**	**0.9**	**92,169**	**6.9**	**453,984**	**2.1**
Itinerant movements						
Air carriers	189,357	0.6	49,482	2.3	238,839	1.0
Other commercial movements	28,476	-1.2	3,205	-12.6	31,681	-2.5
Private movements	24,803	4.0	8,301	34.2	33,104	10.2
Government civil movements	4,019	-6.2	1,758	3.2	5,777	-3.6
Government military movements	2,817	-15.2	1,190	29.5	4,007	-5.5
Itinerant total	249,472	0.4	63,936	5.1	313,408	1.3
Local movements						
Civil local movements	111,336	2.4	27,871	10.5	139,207	3.9
Military local movements	1,007	-22.2	362	176.3	1,369	-3.9
Local total	112,343	2.1	28,233	11.3	140,576	3.9

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased by 2.1% in November compared with November 2008. These 93 airports reported 453,984 movements in November compared with 444,640 movements at 95 airports in November 2008.

Itinerant movements (flights from one airport to another) increased 1.3% (+4,128 movements) in November 2009 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) increased by 3.9% (+5,216 movements) in November 2009 over the previous year.

Airports with NAV CANADA air traffic control towers

The 41 Canadian airports with NAV CANADA air traffic control towers reported 361,815 aircraft take-offs and landings in November 2009 up 0.9% (+3,368 movements) compared with November 2008. Year-over-year increases in aircraft movements were reported by 20 of these airports in November 2009. The variations ranged from an increase of 45.3% at Chicoutimi/St-Honoré, Quebec to a decline of 43.0% at Langley, British Columbia.

Itinerant movements (flights from one airport to another) increased 0.4% (+1,024 movements) in November 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 47.7% increase (+582 movements) at Edmonton/Villeneuve, Alberta to a decline of 34.2% (-1,634 movements) at Boundary Bay, British Columbia.

Local movements (flights that remain in the vicinity of the airport) rose by 2,344 movements (+2.1%) in November 2009 compared with November 2008. Montréal/St-Hubert, Quebec recorded the largest gain in local movements, increasing by 3,424 movements (+64.3%) while Abbotsford, British Columbia reported the largest decline with 2,804 fewer movements (-39.1%) compared with the previous year.

The Air Traffic Control Tower at Montréal/Mirabel International, Quebec closed in December 2008 and re-opened as a Flight Service Station. Montréal/Mirabel International reported 2,128 itinerant and local movements in November 2008 compared with 2,589 movements reported for the Flight Service Station in November 2009, up 21.7%.

Airports with NAV CANADA flight service stations

The 52 Canadian airports with NAV CANADA flight service stations reported 92,169 aircraft take-offs and landings in November 2009 up 6.9% (+5,976 movements) compared with November 2008. Year-over-year increases in aircraft movements were reported by 30 of these airports in November 2009. The variations ranged from a 93.8% increase (+900 movements) at Brandon Municipal, Manitoba to a decline of 40.5% (-948 movements) at Campbell River, British Columbia.

Itinerant movements (flights from one airport to another) increased by 5.1% (+3,104 movements) in November 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 72.6% increase (+406 movements) at Brandon Municipal, Manitoba to a decline of 28.2% (-400 movements) at Lethbridge, Alberta.

Local movements (flights that remain in the vicinity of the airport) recorded in November 2009 increased by 11.3% (+2,872 movements) compared with the same month a year earlier. North Bay, Ontario recorded the largest gain in local movements, increasing by 900 movements (+43.5%) compared with November 2008. Norman Wells, Northwest Territories recorded the largest decline in local movements, dropping 814 movements (-40.1%) compared with November 2008.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

Selected CANSIM tables from Statistics Canada

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Selected surveys from Statistics Canada

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Selected summary tables from Statistics Canada

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

Statistical tables

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	21	7,713	25	3,353	12	4,360
Boundary Bay	20	7,789	28	3,143	10	4,646
Calgary International	3	18,096	3	18,002	37	94
Calgary/Springbank	9	11,641	18	5,316	5	6,325
Chicoutimi/St-Honoré	22	7,382	32	2,212	8	5,170
Edmonton City Centre	24	6,539	14	5,599	26	940
Edmonton International	16	10,039	7	9,746	35	293
Edmonton/Villeneuve	25	5,655	36	1,801	14	3,854
Fort McMurray	30	4,847	20	4,227	32	620
Gander International	38	2,818	37	1,724	25	1,094
Halifax/Robert L Stanfield International	23	6,749	12	6,446	34	303
Hamilton	33	3,920	29	3,106	28	814
Kelowna	26	5,625	24	3,477	20	2,148
Kitchener/Waterloo	17	8,873	21	4,021	9	4,852
Langley	34	3,664	38	1,707	22	1,957
London	8	12,201	15	5,588	4	6,613
Moncton/Greater Moncton International	13	11,001	11	6,559	11	4,442
Montréal/Pierre Elliott Trudeau International	4	16,507	4	16,507	0	0
Montréal/St-Hubert	5	16,081	9	7,335	1	8,746
Oshawa	29	5,029	31	2,428	19	2,601
Ottawa/Macdonald-Cartier International	6	15,323	5	11,097	13	4,226
Pitt Meadows	28	5,304	33	2,107	16	3,197
Prince George	35	3,555	34	1,835	24	1,720
Québec/Jean Lesage International	14	10,948	8	7,821	17	3,127
Regina International	27	5,519	23	3,609	23	1,910
Saskatoon/John G Diefenbaker International	18	8,260	17	5,342	18	2,918
Sault Ste. Marie	32	3,971	35	1,827	21	2,144
St. John's International	37	3,160	30	3,012	36	148
St-Jean	39	2,226	39	1,436	29	790
Thunder Bay	12	11,072	16	5,377	6	5,695
Toronto/Buttonville Municipal	7	14,459	10	6,895	2	7,564
Toronto/City Centre	19	8,084	19	4,297	15	3,787
Toronto/Lester B Pearson International	1	31,842	1	31,842	0	0
Vancouver Harbour	36	3,210	26	3,210	0	0
Vancouver International	2	22,117	2	22,117	0	0
Victoria International	10	11,198	13	6,018	7	5,180
Whitehorse International	41	1,396	41	945	33	451
Windsor	40	2,121	40	1,373	30	748
Winnipeg/James Armstrong Richardson International	15	10,771	6	10,063	31	708
Winnipeg/St. Andrews	11	11,074	22	3,764	3	7,310
Yellowknife	31	4,036	27	3,188	27	848
Total of NAV CANADA towers (41)	.	**361,815**	.	**249,472**	.	**112,343**

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	20	1,859	30	965	13	894
Campbell River	25	1,393	25	1,091	19	302
Castlegar	43	774	46	540	23	234
Charlottetown	27	1,343	26	1,089	20	254
Churchill	33	1,058	27	1,052	47	6
Cranbrook	41	830	44	632	27	198
Deer Lake	26	1,352	20	1,180	29	172
Fort Nelson	37	989	33	921	36	68
Fort St John	24	1,534	18	1,294	21	240
Fredericton International	1	8,696	1	4,822	1	3,874
Grande Prairie	7	2,917	7	2,004	11	913
High Level	42	807	38	763	38	44
Îles-de-la-Madeleine	52	290	51	290	0	0
Inuvik/Mike Zubko	31	1,163	22	1,145	41	18
Iqaluit	28	1,311	19	1,259	37	52
Kamloops	14	2,509	13	1,536	10	973
Kenora	36	997	36	775	25	222
Kingston	4	3,714	6	2,010	6	1,704
Kuujjuaq	40	849	35	831	42	18
La Grande Rivière	45	688	42	678	46	10
La Ronge	35	1,007	29	987	40	20
Lethbridge	22	1,581	28	1,019	15	562
Lloydminster	34	1,027	40	705	18	322
Medicine Hat	29	1,297	34	855	16	442
Mont-Joli	50	470	50	454	44	16
Montréal/Mirabel International	11	2,589	11	1,691	12	898
Nanaimo	18	1,960	17	1,344	14	616
Norman Wells	16	1,986	37	768	9	1,218
North Bay	2	4,479	15	1,509	2	2,970
Ottawa/Gatineau	3	4,056	12	1,652	3	2,404
Peace River	48	489	48	489	0	0
Penticton	5	3,081	23	1,137	4	1,944
Port Hardy	47	522	47	506	43	16
Prince Albert	23	1,571	16	1,501	35	70
Prince Rupert	51	427	52	289	30	138
Rankin Inlet	38	974	32	938	39	36
Red Deer Regional	6	3,050	10	1,720	8	1,330
Rouyn-Noranda	32	1,146	31	938	26	208
Saint John	21	1,748	14	1,512	22	236
Sept-Îles	17	1,967	9	1,795	28	172
Sioux Lookout	12	2,542	4	2,428	31	114
Smithers	49	485	49	483	49	2
St Catharines	9	2,793	21	1,145	7	1,648
Sudbury	10	2,638	5	2,210	17	428
Terrace	46	652	43	648	48	4
Thompson	8	2,840	2	2,748	33	92
Timmins	19	1,955	8	1,884	34	71
Val-d'Or	30	1,229	24	1,119	32	110
Victoria Harbour	13	2,518	3	2,506	45	12
Wabush	44	750	39	750	0	0
Whitecourt	15	2,407	41	699	5	1,708
Williams Lake	39	860	45	630	24	230
Total of all flight service stations (52)	**.**	**92,169**	**.**	**63,936**	**.**	**28,233**

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	7,647	2,654	637	4,356	66	62	4
Boundary Bay	7,782	2,460	676	4,646	7	7	0
Calgary International	17,994	16,708	1,201	85	102	93	9
Calgary/Springbank	11,633	3,869	1,443	6,321	8	4	4
Chicoutimi/St-Honoré	7,374	2,074	130	5,170	8	8	0
Edmonton City Centre	6,465	4,261	1,270	934	74	68	6
Edmonton International	9,999	9,321	398	280	40	27	13
Edmonton/Villeneuve	5,654	1,380	420	3,854	1	1	0
Fort McMurray	4,840	3,777	443	620	7	7	0
Gander International	2,411	1,259	222	930	407	243	164
Halifax/Robert L Stanfield International	6,599	5,902	398	299	150	146	4
Hamilton	3,905	2,320	771	814	15	15	0
Kelowna	5,615	3,072	397	2,146	10	8	2
Kitchener/Waterloo	8,861	2,896	1,119	4,846	12	6	6
Langley	3,653	988	708	1,957	11	11	0
London	12,169	4,835	738	6,596	32	15	17
Moncton/Greater Moncton International	10,958	6,191	326	4,441	43	42	1
Montréal/Pierre Elliott Trudeau International	16,476	15,173	1,303	0	31	31	0
Montréal/St-Hubert	15,956	5,752	1,464	8,740	125	119	6
Oshawa	5,025	1,691	733	2,601	4	4	0
Ottawa/Macdonald-Cartier International	15,138	10,135	782	4,221	185	180	5
Pitt Meadows	5,281	1,466	620	3,195	23	21	2
Prince George	3,555	1,640	195	1,720	0	0	0
Québec/Jean Lesage International	10,847	6,344	1,376	3,127	101	101	0
Regina International	5,265	2,804	601	1,860	254	204	50
Saskatoon/John G Diefenbaker International	8,072	4,318	872	2,882	188	152	36
Sault Ste. Marie	3,940	1,691	119	2,130	31	17	14
St. John's International	2,975	2,581	246	148	185	185	0
St-Jean	2,037	627	620	790	189	189	0
Thunder Bay	10,994	5,032	287	5,675	78	58	20
Toronto/Buttonville Municipal	14,459	3,702	3,193	7,564	0	0	0
Toronto/City Centre	8,072	3,847	438	3,787	12	12	0
Toronto/Lester B Pearson International	31,824	30,525	1,299	0	18	18	0
Vancouver Harbour	3,195	3,166	29	0	15	15	0
Vancouver International	22,069	21,186	883	0	48	48	0
Victoria International	10,738	4,915	935	4,888	460	168	292
Whitehorse International	1,394	834	109	451	2	2	0
Windsor	2,111	997	368	746	10	8	2
Winnipeg/James Armstrong Richardson International	10,037	8,983	613	441	734	467	267
Winnipeg/St. Andrews	11,063	3,419	334	7,310	11	11	0
Yellowknife	3,909	3,038	106	765	127	44	83
Total of NAV CANADA towers (41)	**357,991**	**217,833**	**28,822**	**111,336**	**3,824**	**2,817**	**1,007**

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	1,603	487	270	846	256	208	48
Campbell River	1,381	845	234	302	12	12	0
Castlegar	764	492	38	234	10	10	0
Charlottetown	1,316	892	170	254	27	27	0
Churchill	1,056	1,010	40	6	2	2	0
Cranbrook	822	518	110	194	8	4	4
Deer Lake	1,352	1,160	20	172	0	0	0
Fort Nelson	964	802	94	68	25	25	0
Fort St John	1,534	1,102	192	240	0	0	0
Fredericton International	8,526	4,536	168	3,822	170	118	52
Grande Prairie	2,915	1,650	352	913	2	2	0
High Level	807	735	28	44	0	0	0
Îles-de-la-Madeleine	284	238	46	0	6	6	0
Inuvik/Mike Zubko	1,159	1,109	32	18	4	4	0
Iqaluit	1,289	1,063	174	52	22	22	0
Kamloops	2,455	1,168	350	937	54	18	36
Kenora	904	653	83	168	93	39	54
Kingston	3,640	1,366	586	1,688	74	58	16
Kuujjuaq	849	786	45	18	0	0	0
La Grande Rivière	686	642	34	10	2	2	0
La Ronge	999	876	103	20	8	8	0
Lethbridge	1,455	677	306	472	126	36	90
Lloydminster	989	351	330	308	38	24	14
Medicine Hat	1,287	646	201	440	10	8	2
Mont-Joli	468	421	31	16	2	2	0
Montréal/Mirabel International	2,533	1,149	504	880	56	38	18
Nanaimo	1,958	800	542	616	2	2	0
Norman Wells	1,982	746	18	1,218	4	4	0
North Bay	4,380	1,120	294	2,966	99	95	4
Ottawa/Gatineau	4,050	780	866	2,404	6	6	0
Peace River	489	447	42	0	0	0	0
Penticton	3,043	880	219	1,944	38	38	0
Port Hardy	487	427	58	2	35	21	14
Prince Albert	1,539	1,249	230	60	32	22	10
Prince Rupert	425	256	31	138	2	2	0
Rankin Inlet	974	921	17	36	0	0	0
Red Deer Regional	3,034	916	788	1,330	16	16	0
Rouyn-Noranda	1,145	744	193	208	1	1	0
Saint John	1,704	1,177	291	236	44	44	0
Sept-Îles	1,961	1,635	154	172	6	6	0
Sioux Lookout	2,510	2,323	73	114	32	32	0
Smithers	485	458	25	2	0	0	0
St Catharines	2,641	628	365	1,648	152	152	0
Sudbury	2,625	1,894	303	428	13	13	0
Terrace	650	621	25	4	2	2	0
Thompson	2,828	2,578	158	92	12	12	0
Timmins	1,945	1,756	118	71	10	10	0
Val-d'Or	1,221	863	248	110	8	8	0
Victoria Harbour	2,510	2,220	278	12	8	8	0
Wabush	737	700	37	0	13	13	0
Whitecourt	2,405	640	57	1,708	2	2	0
Williams Lake	852	534	88	230	8	8	0
Total of all flight service stations (52)	**90,617**	**52,687**	**10,059**	**27,871**	**1,552**	**1,190**	**362**

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
				number			
Abbotsford	3,353	526	1,712	416	493	144	62
Boundary Bay	3,143	27	697	1,736	641	35	7
Calgary International	18,002	15,075	1,056	577	1,071	130	93
Calgary/Springbank	5,316	14	569	3,286	1,433	10	4
Chicoutimi/St-Honoré	2,212	2	627	1,445	121	9	8
Edmonton City Centre	5,599	1,467	515	2,279	921	349	68
Edmonton International	9,746	8,738	480	103	377	21	27
Edmonton/Villeneuve	1,801	3	148	1,229	414	6	1
Fort McMurray	4,227	2,531	1,024	222	413	30	7
Gander International	1,724	456	779	24	198	24	243
Halifax/Robert L Stanfield International	6,446	5,256	611	35	275	123	146
Hamilton	3,106	1,854	388	78	625	146	15
Kelowna	3,477	2,430	351	291	355	42	8
Kitchener/Waterloo	4,021	337	2,313	246	1,060	59	6
Langley	1,707	91	173	724	700	8	11
London	5,588	1,253	1,030	2,552	679	59	15
Moncton/Greater Moncton International	6,559	1,560	4,628	3	178	148	42
Montréal/Pierre Elliott Trudeau International	16,507	14,246	797	130	1,116	187	31
Montréal/St-Hubert	7,335	2,554	671	2,527	1,361	103	119
Oshawa	2,428	52	193	1,446	679	54	4
Ottawa/Macdonald-Cartier International	11,097	7,020	725	2,390	389	393	180
Pitt Meadows	2,107	15	863	588	614	6	21
Prince George	1,835	1,186	416	38	134	61	0
Québec/Jean Lesage International	7,821	3,988	2,014	342	1,042	334	101
Regina International	3,609	1,928	824	52	419	182	204
Saskatoon/John G Diefenbaker International	5,342	2,776	1,087	455	569	303	152
Sault Ste. Marie	1,827	806	143	742	97	22	17
St. John's International	3,012	1,887	684	10	161	85	185
St-Jean	1,436	150	171	306	556	64	189
Thunder Bay	5,377	2,681	885	1,466	188	99	58
Toronto/Buttonville Municipal	6,895	468	3,067	167	3,125	68	0
Toronto/City Centre	4,297	2,457	770	620	418	20	12
Toronto/Lester B Pearson International	31,842	30,003	428	94	1,281	18	18
Vancouver Harbour	3,210	2,939	220	7	24	5	15
Vancouver International	22,117	19,806	1,279	101	676	207	48
Victoria International	6,018	2,825	1,576	514	850	85	168
Whitehorse International	945	671	110	53	93	16	2
Windsor	1,373	466	467	64	356	12	8
Winnipeg/James Armstrong Richardson International	10,063	8,296	628	59	340	273	467
Winnipeg/St. Andrews	3,764	552	1,808	1,059	333	1	11
Yellowknife	3,188	2,762	276	0	28	78	44
Total of NAV CANADA towers (41)	**249,472**	**152,154**	**37,203**	**28,476**	**24,803**	**4,019**	**2,817**

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	965	106	327	54	237	33	208
Campbell River	1,091	561	182	102	207	27	12
Castlegar	540	235	83	174	36	2	10
Charlottetown	1,089	623	195	74	114	56	27
Churchill	1,052	944	65	1	27	13	2
Cranbrook	632	488	16	14	110	0	4
Deer Lake	1,180	950	198	12	12	8	0
Fort Nelson	921	306	245	251	88	6	25
Fort St John	1,294	748	346	8	172	20	0
Fredericton International	4,822	729	3,805	2	114	54	118
Grande Prairie	2,004	1,046	509	95	319	33	2
High Level	763	176	558	1	22	6	0
Îles-de-la-Madeleine	290	218	20	0	6	40	6
Inuvik/Mike Zubko	1,145	707	392	10	14	18	4
Iqaluit	1,259	975	70	18	63	111	22
Kamloops	1,536	1,019	131	18	290	60	18
Kenora	775	375	266	12	82	1	39
Kingston	2,010	478	380	508	568	18	58
Kuujjuaq	831	701	85	0	24	21	0
La Grande Rivière	678	537	105	0	28	6	2
La Ronge	987	859	15	2	23	80	8
Lethbridge	1,019	381	26	270	286	20	36
Lloydminster	705	119	198	34	300	30	24
Medicine Hat	855	495	115	36	201	0	8
Mont-Joli	454	389	18	14	12	19	2
Montréal/Mirabel International	1,691	665	321	163	504	0	38
Nanaimo	1,344	414	349	37	490	52	2
Norman Wells	768	525	221	0	4	14	4
North Bay	1,509	520	469	131	262	32	95
Ottawa/Gatineau	1,652	137	388	255	787	79	6
Peace River	489	306	139	2	30	12	0
Penticton	1,137	306	565	9	143	76	38
Port Hardy	506	383	42	2	19	39	21
Prince Albert	1,501	1,078	125	46	110	120	22
Prince Rupert	289	204	50	2	5	26	2
Rankin Inlet	938	892	0	29	5	12	0
Red Deer Regional	1,720	176	536	204	750	38	16
Rouyn-Noranda	938	554	125	65	152	41	1
Saint John	1,512	731	421	25	287	4	44
Sept-Îles	1,795	1,216	397	22	84	70	6
Sioux Lookout	2,428	1,689	615	19	50	23	32
Smithers	483	418	40	0	9	16	0
St Catharines	1,145	1	554	73	353	12	152
Sudbury	2,210	1,410	456	28	225	78	13
Terrace	648	527	94	0	8	17	2
Thompson	2,748	2,356	216	6	10	148	12
Timmins	1,884	1,288	461	7	103	15	10
Val-d'Or	1,119	696	76	91	223	25	8
Victoria Harbour	2,506	2,208	12	0	169	109	8
Wabush	750	594	106	0	33	4	13
Whitecourt	699	14	384	242	53	4	2
Williams Lake	630	397	100	37	78	10	8
Total of all flight service stations (52)	**63,936**	**33,870**	**15,612**	**3,205**	**8,301**	**1,758**	**1,190**

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 [1]	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	number
Abbotsford	3,353	1,157	34.5	2,196	65.4	711
Boundary Bay	3,143	382	12.1	2,761	87.8	359
Calgary International	18,002	16,840	93.5	1,162	6.4	677
Calgary/Springbank	5,316	239	4.4	5,077	95.5	2,210
Chicoutimi/St-Honoré	2,212	269	12.1	1,943	87.8	19
Edmonton City Centre	5,599	2,217	39.5	3,382	60.4	1,374
Edmonton International	9,746	9,352	95.9	394	4.0	634
Edmonton/Villeneuve	1,801	43	2.3	1,758	97.6	101
Fort McMurray	4,227	1,996	47.2	2,231	52.7	82
Gander International	1,724	1,098	63.6	626	36.3	50
Halifax/Robert L Stanfield International	6,446	5,769	89.4	677	10.5	275
Hamilton	3,106	2,298	73.9	808	26.0	844
Kelowna	3,477	2,366	68.0	1,111	31.9	395
Kitchener/Waterloo	4,021	847	21.0	3,174	78.9	509
Langley	1,707	42	2.4	1,665	97.5	385
London	5,588	1,647	29.4	3,941	70.5	572
Moncton/Greater Moncton International	6,559	2,459	37.4	4,100	62.5	128
Montréal/Pierre Elliott Trudeau International	16,507	15,894	96.2	613	3.7	1,175
Montréal/St-Hubert	7,335	1,671	22.7	5,664	77.2	727
Oshawa	2,428	141	5.8	2,287	94.1	455
Ottawa/Macdonald-Cartier International	11,097	7,950	71.6	3,147	28.3	632
Pitt Meadows	2,107	28	1.3	2,079	98.6	905
Prince George	1,835	1,277	69.5	558	30.4	260
Québec/Jean Lesage International	7,821	4,623	59.1	3,198	40.8	970
Regina International	3,609	2,424	67.1	1,185	32.8	65
Saskatoon/John G Diefenbaker International	5,342	3,402	63.6	1,940	36.3	185
Sault Ste. Marie	1,827	976	53.4	851	46.5	77
St. John's International	3,012	2,771	91.9	241	8.0	52
St-Jean	1,436	370	25.7	1,066	74.2	252
Thunder Bay	5,377	3,349	62.2	2,028	37.7	133
Toronto/Buttonville Municipal	6,895	767	11.1	6,128	88.8	573
Toronto/City Centre	4,297	2,904	67.5	1,393	32.4	1,851
Toronto/Lester B Pearson International	31,842	31,778	99.7	64	0.2	52
Vancouver Harbour	3,210	105	3.2	3,105	96.7	839
Vancouver International	22,117	18,303	82.7	3,814	17.2	7,275
Victoria International	6,018	3,363	55.8	2,655	44.1	3,079
Whitehorse International	945	513	54.2	432	45.7	65
Windsor	1,373	604	43.9	769	56.0	60
Winnipeg/James Armstrong Richardson International	10,063	8,869	88.1	1,194	11.8	266
Winnipeg/St. Andrews	3,764	103	2.7	3,661	97.2	93
Yellowknife	3,188	2,267	71.1	921	28.8	39
Total of NAV CANADA towers (41)	**249,472**	**163,473**	**65.5**	**85,999**	**34.5**	**29,405**

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 [1]	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	number
Brandon Municipal	965	211	21.8	754	78.1	27
Campbell River	1,091	522	47.8	569	52.1	136
Castlegar	540	233	43.1	307	56.8	75
Charlottetown	1,089	751	68.9	338	31.0	19
Churchill	1,052	973	92.4	79	7.5	743
Cranbrook	632	505	79.9	127	20.0	77
Deer Lake	1,180	1,113	94.3	67	5.6	33
Fort Nelson	921	358	38.8	563	61.1	82
Fort St John	1,294	808	62.4	486	37.5	61
Fredericton International	4,822	1,104	22.8	3,718	77.1	66
Grande Prairie	2,004	1,231	61.4	773	38.5	115
High Level	763	234	30.6	529	69.3	183
Îles-de-la-Madeleine	290	263	90.6	27	9.3	2
Inuvik/Mike Zubko	1,145	325	28.3	820	71.6	4
Iqaluit	1,259	1,059	84.1	200	15.8	75
Kamloops	1,536	1,056	68.7	480	31.2	130
Kenora	775	410	52.9	365	47.0	101
Kingston	2,010	660	32.8	1,350	67.1	129
Kuujjuaq	831	409	49.2	422	50.7	2
La Grande Rivière	678	565	83.3	113	16.6	173
La Ronge	987	576	58.3	411	41.6	105
Lethbridge	1,019	475	46.6	544	53.3	34
Lloydminster	705	244	34.6	461	65.3	31
Medicine Hat	855	342	40.0	513	60.0	117
Mont-Joli	454	384	84.5	70	15.4	20
Montréal/Mirabel International	1,691	958	56.6	733	43.3	649
Nanaimo	1,344	542	40.3	802	59.6	441
Norman Wells	768	159	20.7	609	79.2	437
North Bay	1,509	742	49.1	767	50.8	223
Ottawa/Gatineau	1,652	198	11.9	1,454	88.0	83
Peace River	489	280	57.2	209	42.7	30
Penticton	1,137	265	23.3	872	76.6	75
Port Hardy	506	229	45.2	277	54.7	167
Prince Albert	1,501	1,195	79.6	306	20.3	56
Prince Rupert	289	210	72.6	79	27.3	3
Rankin Inlet	938	865	92.2	73	7.7	0
Red Deer Regional	1,720	363	21.1	1,357	78.8	330
Rouyn-Noranda	938	726	77.3	212	22.6	18
Saint John	1,512	991	65.5	521	34.4	41
Sept-Îles	1,795	1,358	75.6	437	24.3	225
Sioux Lookout	2,428	1,826	75.2	602	24.7	81
Smithers	483	428	88.6	55	11.3	215
St Catharines	1,145	69	6.0	1,076	93.9	247
Sudbury	2,210	1,654	74.8	556	25.1	65
Terrace	648	553	85.3	95	14.6	35
Thompson	2,748	1,878	68.3	870	31.6	25
Timmins	1,884	1,703	90.3	181	9.6	68
Val-d'Or	1,119	744	66.4	375	33.5	187
Victoria Harbour	2,506	152	6.0	2,354	93.9	411
Wabush	750	685	91.3	65	8.6	20
Whitecourt	699	36	5.1	663	94.8	98
Williams Lake	630	416	66.0	214	33.9	127
Total of all flight service stations (52)	**63,936**	**34,036**	**53.2**	**29,900**	**46.8**	**6,897**

1. Total excludes runway 88 flights.

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	3,353	452	232	1,909	749	11
Boundary Bay	3,143	10	49	2,887	197	0
Calgary International	18,002	12,230	4,413	703	656	0
Calgary/Springbank	5,316	25	67	4,477	747	0
Chicoutimi/St-Honoré	2,212	0	77	1,734	401	0
Edmonton City Centre	5,599	434	1,705	2,750	709	1
Edmonton International	9,746	6,302	3,024	402	17	1
Edmonton/Villeneuve	1,801	17	29	1,615	140	0
Fort McMurray	4,227	1,122	1,217	957	931	0
Gander International	1,724	505	504	531	184	0
Halifax/Robert L Stanfield International	6,446	3,389	2,155	451	451	0
Hamilton	3,106	1,317	912	750	127	0
Kelowna	3,477	1,543	850	747	337	0
Kitchener/Waterloo	4,021	226	401	3,086	308	0
Langley	1,707	0	82	1,253	372	0
London	5,588	404	1,145	3,855	184	0
Moncton/Greater Moncton International	6,559	849	964	4,670	76	0
Montréal/Pierre Elliott Trudeau International	16,507	10,828	4,980	494	205	0
Montréal/St-Hubert	7,335	262	794	5,862	417	0
Oshawa	2,428	1	32	2,272	123	0
Ottawa/Macdonald-Cartier International	11,097	5,158	2,764	2,887	288	0
Pitt Meadows	2,107	0	12	1,870	218	7
Prince George	1,835	524	810	135	366	0
Québec/Jean Lesage International	7,821	1,161	3,020	2,831	809	0
Regina International	3,609	1,567	632	1,377	31	2
Saskatoon/John G Diefenbaker International	5,342	1,801	1,489	1,984	68	0
Sault Ste. Marie	1,827	22	939	837	29	0
St. John's International	3,012	1,122	1,533	75	282	0
St-Jean	1,436	11	60	1,196	63	106
Thunder Bay	5,377	731	2,636	1,723	287	0
Toronto/Buttonville Municipal	6,895	70	407	5,914	503	1
Toronto/City Centre	4,297	3	2,799	1,248	247	0
Toronto/Lester B Pearson International	31,842	26,458	5,323	51	10	0
Vancouver Harbour	3,210	0	1,686	897	627	0
Vancouver International	22,117	11,087	7,756	2,558	716	0
Victoria International	6,018	1,109	2,015	2,544	350	0
Whitehorse International	945	295	372	205	73	0
Windsor	1,373	111	481	745	36	0
Winnipeg/James Armstrong Richardson International	10,063	4,622	4,392	960	89	0
Winnipeg/St. Andrews	3,764	0	450	3,132	182	0
Yellowknife	3,188	764	1,928	253	243	0
Total of NAV CANADA towers (41)	**249,472**	**96,532**	**65,136**	**74,827**	**12,848**	**129**

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	965	48	201	624	92	0
Campbell River	1,091	49	591	165	286	0
Castlegar	540	6	244	145	145	0
Charlottetown	1,089	266	371	414	38	0
Churchill	1,052	50	975	11	16	0
Cranbrook	632	16	450	158	8	0
Deer Lake	1,180	290	825	44	21	0
Fort Nelson	921	36	326	105	454	0
Fort St John	1,294	269	568	153	304	0
Fredericton International	4,822	250	672	3,734	165	1
Grande Prairie	2,004	378	760	529	337	0
High Level	763	2	373	262	126	0
Îles-de-la-Madeleine	290	10	222	48	10	0
Inuvik/Mike Zubko	1,145	111	716	196	122	0
Iqaluit	1,259	341	792	20	106	0
Kamloops	1,536	229	897	256	154	0
Kenora	775	3	441	201	130	0
Kingston	2,010	31	620	1,282	77	0
Kuujjuaq	831	129	610	22	70	0
La Grande Rivière	678	6	649	15	8	0
La Ronge	987	2	794	172	19	0
Lethbridge	1,019	32	416	551	20	0
Lloydminster	705	25	203	453	24	0
Medicine Hat	855	15	395	383	62	0
Mont-Joli	454	19	342	83	10	0
Montréal/Mirabel International	1,691	541	271	600	277	2
Nanaimo	1,344	87	432	763	62	0
Norman Wells	768	122	270	197	179	0
North Bay	1,509	86	679	263	480	1
Ottawa/Gatineau	1,652	0	167	1,148	333	4
Peace River	489	4	272	112	101	0
Penticton	1,137	21	304	447	365	0
Port Hardy	506	8	359	56	83	0
Prince Albert	1,501	10	1,200	261	30	0
Prince Rupert	289	6	210	4	69	0
Rankin Inlet	938	149	731	56	2	0
Red Deer Regional	1,720	30	295	1,350	45	0
Rouyn-Noranda	938	83	683	170	2	0
Saint John	1,512	289	572	579	72	0
Sept-Îles	1,795	48	1,179	368	200	0
Sioux Lookout	2,428	1	1,960	428	39	0
Smithers	483	4	436	8	35	0
St Catharines	1,145	13	23	926	183	0
Sudbury	2,210	20	1,695	280	215	0
Terrace	648	23	534	3	88	0
Thompson	2,748	26	2,269	311	142	0
Timmins	1,884	8	1,724	130	22	0
Val-d'Or	1,119	80	695	284	60	0
Victoria Harbour	2,506	0	1,633	131	742	0
Wabush	750	30	613	40	67	0
Whitecourt	699	4	20	93	582	0
Williams Lake	630	6	417	166	41	0
Total of all flight service stations (52)	**63,936**	**4,312**	**33,096**	**19,200**	**7,320**	**8**

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	2,076	507	198	58	28	48	401	20	3	14
Boundary Bay	2,677	363	84	6	13	0	0	0	0	0
Calgary International	862	587	1,199	1,874	908	3,814	7,282	657	237	582
Calgary/Springbank	4,753	459	87	13	4	0	0	0	0	0
Chicoutimi/St-Honoré	1,844	290	78	0	0	0	0	0	0	0
Edmonton City Centre	3,012	459	1,434	532	103	53	6	0	0	0
Edmonton International	288	219	411	892	455	2,218	4,741	253	157	112
Edmonton/Villeneuve	1,683	84	34	0	0	0	0	0	0	0
Fort McMurray	1,605	583	364	454	84	615	522	0	0	0
Gander International	519	14	77	404	251	245	35	105	12	62
Halifax/Robert L Stanfield International	275	244	448	970	727	1,606	1,713	163	182	118
Hamilton	609	650	242	295	142	58	459	39	495	117
Kelowna	953	122	208	495	39	693	954	0	11	2
Kitchener/Waterloo	3,138	275	364	92	65	32	53	2	0	0
Langley	1,508	180	18	0	1	0	0	0	0	0
London	3,841	231	374	54	521	418	136	11	2	0
Moncton/Greater Moncton International	4,578	176	450	366	67	336	331	0	255	0
Montréal/Pierre Elliott Trudeau International	484	210	609	765	2,639	5,287	4,344	1,186	2	981
Montréal/St-Hubert	5,462	684	774	209	187	3	16	0	0	0
Oshawa	2,223	168	21	3	0	13	0	0	0	0
Ottawa/Macdonald-Cartier International	2,813	244	1,040	204	644	2,886	2,585	393	42	246
Pitt Meadows	1,929	154	16	0	8	0	0	0	0	0
Prince George	369	122	216	556	6	376	188	0	0	2
Québec/Jean Lesage International	2,865	718	1,045	381	964	1,272	499	4	0	73
Regina International	1,085	305	375	350	43	691	681	0	79	0
Saskatoon/John G Diefenbaker International	1,745	293	687	566	177	1,093	725	6	42	8
Sault Ste. Marie	814	133	501	47	189	137	0	6	0	0
St. John's International	62	16	306	546	667	397	797	132	73	16
St-Jean	1,178	167	88	0	0	1	0	2	0	0
Thunder Bay	1,683	257	2,165	319	19	455	457	22	0	0
Toronto/Buttonville Municipal	5,908	563	322	64	20	18	0	0	0	0
Toronto/City Centre	1,241	146	496	36	26	2,344	0	8	0	0
Toronto/Lester B Pearson International	10	147	259	2,237	3,291	7,184	12,386	3,270	341	2,717
Vancouver Harbour	41	2,152	894	2	121	0	0	0	0	0
Vancouver International	663	3,189	825	2,466	1,558	4,673	5,847	757	311	1,828
Victoria International	2,057	904	204	386	806	1,002	593	32	30	4
Whitehorse International	240	96	128	66	6	290	119	0	0	0
Windsor	691	138	78	64	307	73	12	8	2	0
Winnipeg/James Armstrong Richardson International	645	410	2,985	377	958	1,596	2,220	221	572	79
Winnipeg/St. Andrews	2,993	667	92	2	10	0	0	0	0	0
Yellowknife	253	284	961	165	177	665	599	84	0	0
Total of NAV CANADA towers (41)	**71,675**	**17,610**	**21,157**	**16,316**	**16,231**	**40,592**	**48,701**	**7,381**	**2,848**	**6,961**

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	624	16	220	49	27	0	0	29	0	0
Campbell River	397	36	58	470	96	34	0	0	0	0
Castlegar	227	63	13	58	18	161	0	0	0	0
Charlottetown	316	150	60	193	85	235	50	0	0	0
Churchill	15	59	151	138	259	391	37	2	0	0
Cranbrook	123	40	49	291	14	115	0	0	0	0
Deer Lake	53	12	46	305	482	214	68	0	0	0
Fort Nelson	485	54	111	158	99	6	8	0	0	0
Fort St John	433	27	211	281	111	231	0	0	0	0
Fredericton International	3,673	123	372	16	336	284	14	0	0	4
Grande Prairie	672	205	358	207	18	364	180	0	0	0
High Level	293	226	114	130	0	0	0	0	0	0
Îles-de-la-Madeleine	4	46	70	6	142	18	4	0	0	0
Inuvik/Mike Zubko	254	84	644	12	2	42	105	2	0	0
Iqaluit	24	84	287	66	183	334	205	24	0	52
Kamloops	299	103	68	312	122	510	122	0	0	0
Kenora	199	17	539	3	10	0	0	7	0	0
Kingston	1,275	83	144	412	48	10	0	38	0	0
Kuujjuaq	82	8	483	6	84	58	90	0	0	20
La Grande Rivière	14	9	166	6	110	373	0	0	0	0
La Ronge	40	151	416	81	198	99	2	0	0	0
Lethbridge	452	123	94	277	66	5	2	0	0	0
Lloydminster	420	55	119	93	12	2	0	4	0	0
Medicine Hat	403	41	148	259	4	0	0	0	0	0
Mont-Joli	14	77	55	155	115	34	4	0	0	0
Montréal/Mirabel International	651	312	50	85	18	120	49	7	268	131
Nanaimo	516	340	51	48	57	332	0	0	0	0
Norman Wells	190	129	280	8	2	37	122	0	0	0
North Bay	667	171	317	112	169	61	4	8	0	0
Ottawa/Gatineau	1,357	92	109	86	4	4	0	0	0	0
Peace River	127	82	250	20	10	0	0	0	0	0
Penticton	798	12	24	123	9	171	0	0	0	0
Port Hardy	41	64	170	79	131	13	4	4	0	0
Prince Albert	156	129	267	299	271	373	0	6	0	0
Prince Rupert	4	70	8	34	54	119	0	0	0	0
Rankin Inlet	20	34	254	195	191	101	143	0	0	0
Red Deer Regional	1,229	167	205	113	6	0	0	0	0	0
Rouyn-Noranda	170	4	320	6	203	189	46	0	0	0
Saint John	442	173	192	243	156	296	10	0	0	0
Sept-Îles	305	259	305	331	483	108	4	0	0	0
Sioux Lookout	207	269	1,338	596	0	2	0	16	0	0
Smithers	41	2	79	185	59	117	0	0	0	0
St Catharines	1,045	64	14	6	6	4	0	6	0	0
Sudbury	225	313	1,230	79	126	235	0	2	0	0
Terrace	72	18	100	148	114	195	1	0	0	0
Thompson	140	589	1,277	40	209	489	4	0	0	0
Timmins	110	154	994	67	425	132	0	2	0	0
Val-d'Or	246	111	276	14	316	99	8	4	2	43
Victoria Harbour	10	1,418	954	4	120	0	0	0	0	0
Wabush	54	42	158	150	332	6	2	6	0	0
Whitecourt	641	30	22	4	0	2	0	0	0	0
Williams Lake	122	85	22	387	6	8	0	0	0	0
Total of all flight service stations (52)	**20,377**	**7,025**	**14,262**	**7,446**	**6,118**	**6,733**	**1,288**	**167**	**270**	**250**

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			
Abbotsford							
Domestic	3,308	512	1,707	416	469	144	60
Transborder	36	6	5	0	24	0	1
Other international	9	8	0	0	0	0	1
Total	**3,353**	**526**	**1,712**	**416**	**493**	**144**	**62**
Boundary Bay							
Domestic	3,125	27	696	1,734	626	35	7
Transborder	17	0	1	2	14	0	0
Other international	1	0	0	0	1	0	0
Total	**3,143**	**27**	**697**	**1,736**	**641**	**35**	**7**
Calgary International							
Domestic	14,303	11,744	952	571	823	130	83
Transborder	3,156	2,798	100	6	244	0	8
Other international	543	533	4	0	4	0	2
Total	**18,002**	**15,075**	**1,056**	**577**	**1,071**	**130**	**93**
Calgary/Springbank							
Domestic	5,265	11	568	3,277	1,395	10	4
Transborder	35	3	0	2	30	0	0
Other international	16	0	1	7	8	0	0
Total	**5,316**	**14**	**569**	**3,286**	**1,433**	**10**	**4**
Chicoutimi/St-Honoré							
Domestic	2,211	2	627	1,445	120	9	8
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	**2,212**	**2**	**627**	**1,445**	**121**	**9**	**8**
Edmonton City Centre							
Domestic	5,536	1,454	500	2,272	896	346	68
Transborder	39	13	9	0	16	1	0
Other international	24	0	6	7	9	2	0
Total	**5,599**	**1,467**	**515**	**2,279**	**921**	**349**	**68**
Edmonton International							
Domestic	7,996	7,105	452	93	301	19	26
Transborder	1,518	1,419	17	6	74	1	1
Other international	232	214	11	4	2	1	0
Total	**9,746**	**8,738**	**480**	**103**	**377**	**21**	**27**
Edmonton/Villeneuve							
Domestic	1,778	3	147	1,223	398	6	1
Transborder	1	0	0	0	1	0	0
Other international	22	0	1	6	15	0	0
Total	**1,801**	**3**	**148**	**1,229**	**414**	**6**	**1**
Fort McMurray							
Domestic	4,045	2,479	919	214	397	29	7
Transborder	6	1	0	1	4	0	0
Other international	176	51	105	7	12	1	0
Total	**4,227**	**2,531**	**1,024**	**222**	**413**	**30**	**7**
Gander International							
Domestic	1,266	345	777	6	21	24	93
Transborder	210	47	1	5	86	0	71
Other international	248	64	1	13	91	0	79
Total	**1,724**	**456**	**779**	**24**	**198**	**24**	**243**
Halifax/Robert L Stanfield International							
Domestic	5,522	4,479	609	30	183	123	98
Transborder	735	630	2	4	72	0	27
Other international	189	147	0	1	20	0	21
Total	**6,446**	**5,256**	**611**	**35**	**275**	**123**	**146**

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			
Hamilton							
Domestic	2,456	1,323	371	75	527	145	15
Transborder	609	499	13	3	93	1	0
Other international	41	32	4	0	5	0	0
Total	**3,106**	**1,854**	**388**	**78**	**625**	**146**	**15**
Kelowna							
Domestic	3,220	2,223	348	289	311	42	7
Transborder	228	180	3	2	42	0	1
Other international	29	27	0	0	2	0	0
Total	**3,477**	**2,430**	**351**	**291**	**355**	**42**	**8**
Kitchener/Waterloo							
Domestic	3,842	296	2,277	242	962	59	6
Transborder	176	41	35	4	96	0	0
Other international	3	0	1	0	2	0	0
Total	**4,021**	**337**	**2,313**	**246**	**1,060**	**59**	**6**
Langley							
Domestic	1,705	91	173	724	698	8	11
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,707**	**91**	**173**	**724**	**700**	**8**	**11**
London							
Domestic	5,168	923	1,021	2,546	604	59	15
Transborder	411	329	5	4	73	0	0
Other international	9	1	4	2	2	0	0
Total	**5,588**	**1,253**	**1,030**	**2,552**	**679**	**59**	**15**
Moncton/Greater Moncton International							
Domestic	6,486	1,502	4,626	3	165	148	42
Transborder	72	58	1	0	13	0	0
Other international	1	0	1	0	0	0	0
Total	**6,559**	**1,560**	**4,628**	**3**	**178**	**148**	**42**
Montréal/Pierre Elliott Trudeau International							
Domestic	9,403	7,823	615	79	676	187	23
Transborder	5,671	5,060	156	42	408	0	5
Other international	1,433	1,363	26	9	32	0	3
Total	**16,507**	**14,246**	**797**	**130**	**1,116**	**187**	**31**
Montréal/St-Hubert							
Domestic	7,150	2,514	668	2,525	1,226	98	119
Transborder	162	38	0	0	122	2	0
Other international	23	2	3	2	13	3	0
Total	**7,335**	**2,554**	**671**	**2,527**	**1,361**	**103**	**119**
Oshawa							
Domestic	2,409	50	193	1,443	665	54	4
Transborder	15	2	0	3	10	0	0
Other international	4	0	0	0	4	0	0
Total	**2,428**	**52**	**193**	**1,446**	**679**	**54**	**4**
Ottawa/Macdonald-Cartier International							
Domestic	9,169	5,240	696	2,384	312	381	156
Transborder	1,740	1,622	25	3	71	12	7
Other international	188	158	4	3	6	0	17
Total	**11,097**	**7,020**	**725**	**2,390**	**389**	**393**	**180**
Pitt Meadows							
Domestic	2,106	15	863	588	613	6	21
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**2,107**	**15**	**863**	**588**	**614**	**6**	**21**

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			
Prince George							
Domestic	1,822	1,176	415	38	132	61	0
Transborder	5	2	1	0	2	0	0
Other international	8	8	0	0	0	0	0
Total	**1,835**	**1,186**	**416**	**38**	**134**	**61**	**0**
Québec/Jean Lesage International							
Domestic	7,323	3,548	2,007	341	994	334	99
Transborder	415	361	7	1	45	0	1
Other international	83	79	0	0	3	0	1
Total	**7,821**	**3,988**	**2,014**	**342**	**1,042**	**334**	**101**
Regina International							
Domestic	3,290	1,668	815	52	372	182	201
Transborder	317	260	9	0	45	0	3
Other international	2	0	0	0	2	0	0
Total	**3,609**	**1,928**	**824**	**52**	**419**	**182**	**204**
Saskatoon/John G Diefenbaker International							
Domestic	4,989	2,469	1,079	455	532	303	151
Transborder	351	307	8	0	35	0	1
Other international	2	0	0	0	2	0	0
Total	**5,342**	**2,776**	**1,087**	**455**	**569**	**303**	**152**
Sault Ste. Marie							
Domestic	1,814	805	140	742	88	22	17
Transborder	13	1	3	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	**1,827**	**806**	**143**	**742**	**97**	**22**	**17**
St. John's International							
Domestic	2,638	1,776	682	4	65	84	27
Transborder	192	68	0	2	45	0	77
Other international	182	43	2	4	51	1	81
Total	**3,012**	**1,887**	**684**	**10**	**161**	**85**	**185**
St-Jean							
Domestic	1,436	150	171	306	556	64	189
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,436**	**150**	**171**	**306**	**556**	**64**	**189**
Thunder Bay							
Domestic	5,273	2,607	875	1,464	170	99	58
Transborder	87	63	7	1	16	0	0
Other international	17	11	3	1	2	0	0
Total	**5,377**	**2,681**	**885**	**1,466**	**188**	**99**	**58**
Toronto/Buttonville Municipal							
Domestic	6,658	416	3,043	164	2,968	67	0
Transborder	234	52	24	3	154	1	0
Other international	3	0	0	0	3	0	0
Total	**6,895**	**468**	**3,067**	**167**	**3,125**	**68**	**0**
Toronto/City Centre							
Domestic	3,365	1,666	740	619	313	20	7
Transborder	914	790	19	0	103	0	2
Other international	18	1	11	1	2	0	3
Total	**4,297**	**2,457**	**770**	**620**	**418**	**20**	**12**
Toronto/Lester B Pearson International							
Domestic	13,770	12,924	262	59	492	17	16
Transborder	14,210	13,296	139	23	750	1	1
Other international	3,862	3,783	27	12	39	0	1
Total	**31,842**	**30,003**	**428**	**94**	**1,281**	**18**	**18**

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			
Vancouver Harbour							
Domestic	3,210	2,939	220	7	24	5	15
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**3,210**	**2,939**	**220**	**7**	**24**	**5**	**15**
Vancouver International							
Domestic	16,785	14,810	1,261	91	388	194	41
Transborder	4,072	3,778	15	7	270	2	0
Other international	1,260	1,218	3	3	18	11	7
Total	**22,117**	**19,806**	**1,279**	**101**	**676**	**207**	**48**
Victoria International							
Domestic	5,450	2,363	1,548	510	786	85	158
Transborder	542	451	23	3	55	0	10
Other international	26	11	5	1	9	0	0
Total	**6,018**	**2,825**	**1,576**	**514**	**850**	**85**	**168**
Whitehorse International							
Domestic	926	663	110	53	82	16	2
Transborder	18	8	0	0	10	0	0
Other international	1	0	0	0	1	0	0
Total	**945**	**671**	**110**	**53**	**93**	**16**	**2**
Windsor							
Domestic	1,241	410	443	64	306	12	6
Transborder	130	56	24	0	48	0	2
Other international	2	0	0	0	2	0	0
Total	**1,373**	**466**	**467**	**64**	**356**	**12**	**8**
Winnipeg/James Armstrong Richardson International							
Domestic	8,981	7,326	613	47	269	273	453
Transborder	1,049	943	14	11	69	0	12
Other international	33	27	1	1	2	0	2
Total	**10,063**	**8,296**	**628**	**59**	**340**	**273**	**467**
Winnipeg/St. Andrews							
Domestic	3,756	551	1,805	1,058	330	1	11
Transborder	8	1	3	1	3	0	0
Other international	0	0	0	0	0	0	0
Total	**3,764**	**552**	**1,808**	**1,059**	**333**	**1**	**11**
Yellowknife							
Domestic	3,063	2,719	202	0	24	77	41
Transborder	2	0	0	0	2	0	0
Other international	123	43	74	0	2	1	3
Total	**3,188**	**2,762**	**276**	**0**	**28**	**78**	**44**
Total of NAV CANADA towers (41)							
Domestic	203,259	111,147	36,236	28,253	21,279	3,978	2,366
Transborder	37,399	33,183	669	139	3,157	21	230
Other international	8,814	7,824	298	84	367	20	221
Total	**249,472**	**152,154**	**37,203**	**28,476**	**24,803**	**4,019**	**2,817**

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			
Brandon Municipal							
Domestic	958	106	327	54	230	33	208
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	**965**	**106**	**327**	**54**	**237**	**33**	**208**
Campbell River							
Domestic	1,074	558	180	102	195	27	12
Transborder	17	3	2	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	**1,091**	**561**	**182**	**102**	**207**	**27**	**12**
Castlegar							
Domestic	540	235	83	174	36	2	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**540**	**235**	**83**	**174**	**36**	**2**	**10**
Charlottetown							
Domestic	1,071	619	194	74	102	56	26
Transborder	16	3	1	0	12	0	0
Other international	2	1	0	0	0	0	1
Total	**1,089**	**623**	**195**	**74**	**114**	**56**	**27**
Churchill							
Domestic	1,049	942	65	1	26	13	2
Transborder	3	2	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**1,052**	**944**	**65**	**1**	**27**	**13**	**2**
Cranbrook							
Domestic	628	488	16	14	106	0	4
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**632**	**488**	**16**	**14**	**110**	**0**	**4**
Deer Lake							
Domestic	1,178	950	198	12	10	8	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,180**	**950**	**198**	**12**	**12**	**8**	**0**
Fort Nelson							
Domestic	921	306	245	251	88	6	25
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**921**	**306**	**245**	**251**	**88**	**6**	**25**
Fort St John							
Domestic	1,292	748	346	8	170	20	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,294**	**748**	**346**	**8**	**172**	**20**	**0**
Fredericton International							
Domestic	4,802	728	3,801	2	103	51	117
Transborder	20	1	4	0	11	3	1
Other international	0	0	0	0	0	0	0
Total	**4,822**	**729**	**3,805**	**2**	**114**	**54**	**118**
Grande Prairie							
Domestic	2,001	1,046	509	95	316	33	2
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**2,004**	**1,046**	**509**	**95**	**319**	**33**	**2**

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			
High Level							
Domestic	763	176	558	1	22	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**763**	**176**	**558**	**1**	**22**	**6**	**0**
Îles-de-la-Madeleine							
Domestic	286	216	20	0	4	40	6
Transborder	2	0	0	0	2	0	0
Other international	2	2	0	0	0	0	0
Total	**290**	**218**	**20**	**0**	**6**	**40**	**6**
Inuvik/Mike Zubko							
Domestic	1,144	707	391	10	14	18	4
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,145**	**707**	**392**	**10**	**14**	**18**	**4**
Iqaluit							
Domestic	1,197	957	68	16	30	109	17
Transborder	16	6	0	0	10	0	0
Other international	46	12	2	2	23	2	5
Total	**1,259**	**975**	**70**	**18**	**63**	**111**	**22**
Kamloops							
Domestic	1,531	1,019	130	18	286	60	18
Transborder	5	0	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**1,536**	**1,019**	**131**	**18**	**290**	**60**	**18**
Kenora							
Domestic	772	375	266	12	79	1	39
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**775**	**375**	**266**	**12**	**82**	**1**	**39**
Kingston							
Domestic	1,979	474	375	508	546	18	58
Transborder	31	4	5	0	22	0	0
Other international	0	0	0	0	0	0	0
Total	**2,010**	**478**	**380**	**508**	**568**	**18**	**58**
Kuujjuaq							
Domestic	831	701	85	0	24	21	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**831**	**701**	**85**	**0**	**24**	**21**	**0**
La Grande Rivière							
Domestic	677	537	105	0	28	6	1
Transborder	1	0	0	0	0	0	1
Other international	0	0	0	0	0	0	0
Total	**678**	**537**	**105**	**0**	**28**	**6**	**2**
La Ronge							
Domestic	987	859	15	2	23	80	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**987**	**859**	**15**	**2**	**23**	**80**	**8**
Lethbridge							
Domestic	959	380	24	266	235	20	34
Transborder	60	1	2	4	51	0	2
Other international	0	0	0	0	0	0	0
Total	**1,019**	**381**	**26**	**270**	**286**	**20**	**36**

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			
Lloydminster							
Domestic	701	119	198	34	296	30	24
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**705**	**119**	**198**	**34**	**300**	**30**	**24**
Medicine Hat							
Domestic	851	495	115	36	197	0	8
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**855**	**495**	**115**	**36**	**201**	**0**	**8**
Mont-Joli							
Domestic	454	389	18	14	12	19	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**454**	**389**	**18**	**14**	**12**	**19**	**2**
Montréal/Mirabel International							
Domestic	1,531	520	321	163	495	0	32
Transborder	155	141	0	0	9	0	5
Other international	5	4	0	0	0	0	1
Total	**1,691**	**665**	**321**	**163**	**504**	**0**	**38**
Nanaimo							
Domestic	1,320	409	345	37	475	52	2
Transborder	24	5	4	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	**1,344**	**414**	**349**	**37**	**490**	**52**	**2**
Norman Wells							
Domestic	768	525	221	0	4	14	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**768**	**525**	**221**	**0**	**4**	**14**	**4**
North Bay							
Domestic	1,493	520	467	130	250	32	94
Transborder	16	0	2	1	12	0	1
Other international	0	0	0	0	0	0	0
Total	**1,509**	**520**	**469**	**131**	**262**	**32**	**95**
Ottawa/Gatineau							
Domestic	1,650	137	387	255	786	79	6
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**1,652**	**137**	**388**	**255**	**787**	**79**	**6**
Peace River							
Domestic	488	306	139	2	29	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**489**	**306**	**139**	**2**	**30**	**12**	**0**
Penticton							
Domestic	1,132	306	565	8	139	76	38
Transborder	5	0	0	1	4	0	0
Other international	0	0	0	0	0	0	0
Total	**1,137**	**306**	**565**	**9**	**143**	**76**	**38**
Port Hardy							
Domestic	502	383	42	2	15	39	21
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**506**	**383**	**42**	**2**	**19**	**39**	**21**

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			
Prince Albert							
Domestic	1,498	1,078	125	46	107	120	22
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	**1,501**	**1,078**	**125**	**46**	**110**	**120**	**22**
Prince Rupert							
Domestic	287	204	50	1	4	26	2
Transborder	2	0	0	1	1	0	0
Other international	0	0	0	0	0	0	0
Total	**289**	**204**	**50**	**2**	**5**	**26**	**2**
Rankin Inlet							
Domestic	938	892	0	29	5	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**938**	**892**	**0**	**29**	**5**	**12**	**0**
Red Deer Regional							
Domestic	1,718	176	536	204	748	38	16
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**1,720**	**176**	**536**	**204**	**750**	**38**	**16**
Rouyn-Noranda							
Domestic	938	554	125	65	152	41	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**938**	**554**	**125**	**65**	**152**	**41**	**1**
Saint John							
Domestic	1,433	728	419	24	214	4	44
Transborder	74	2	2	1	69	0	0
Other international	5	1	0	0	4	0	0
Total	**1,512**	**731**	**421**	**25**	**287**	**4**	**44**
Sept-Îles							
Domestic	1,794	1,215	397	22	84	70	6
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	**1,795**	**1,216**	**397**	**22**	**84**	**70**	**6**
Sioux Lookout							
Domestic	2,426	1,689	615	19	48	23	32
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,428**	**1,689**	**615**	**19**	**50**	**23**	**32**
Smithers							
Domestic	483	418	40	0	9	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**483**	**418**	**40**	**0**	**9**	**16**	**0**
St Catharines							
Domestic	1,117	1	551	73	328	12	152
Transborder	28	0	3	0	25	0	0
Other international	0	0	0	0	0	0	0
Total	**1,145**	**1**	**554**	**73**	**353**	**12**	**152**
Sudbury							
Domestic	2,195	1,408	452	28	222	72	13
Transborder	9	2	4	0	3	0	0
Other international	6	0	0	0	0	6	0
Total	**2,210**	**1,410**	**456**	**28**	**225**	**78**	**13**

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			
Terrace							
Domestic	648	527	94	0	8	17	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**648**	**527**	**94**	**0**	**8**	**17**	**2**
Thompson							
Domestic	2,748	2,356	216	6	10	148	12
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**2,748**	**2,356**	**216**	**6**	**10**	**148**	**12**
Timmins							
Domestic	1,881	1,288	460	7	101	15	10
Transborder	2	0	1	0	1	0	0
Other international	1	0	0	0	1	0	0
Total	**1,884**	**1,288**	**461**	**7**	**103**	**15**	**10**
Val-d'Or							
Domestic	1,119	696	76	91	223	25	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,119**	**696**	**76**	**91**	**223**	**25**	**8**
Victoria Harbour							
Domestic	2,343	2,208	12	0	6	109	8
Transborder	163	0	0	0	163	0	0
Other international	0	0	0	0	0	0	0
Total	**2,506**	**2,208**	**12**	**0**	**169**	**109**	**8**
Wabush							
Domestic	750	594	106	0	33	4	13
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**750**	**594**	**106**	**0**	**33**	**4**	**13**
Whitecourt							
Domestic	699	14	384	242	53	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**699**	**14**	**384**	**242**	**53**	**4**	**2**
Williams Lake							
Domestic	630	397	100	37	78	10	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**630**	**397**	**100**	**37**	**78**	**10**	**8**
Total of all flight service stations (52)							
Domestic	63,175	33,679	15,577	3,195	7,804	1,747	1,173
Transborder	693	170	33	8	469	3	10
Other international	68	21	2	2	28	8	7
Total	**63,936**	**33,870**	**15,612**	**3,205**	**8,301**	**1,758**	**1,190**

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	21	7,713	1	15	102	12	620
Boundary Bay	20	7,789	4	14	107	4	756
Calgary International	3	18,096	18	18	58	25	731
Calgary/Springbank	9	11,641	26	13	100	4	616
Chicoutimi/St-Honoré	22	7,382	4	9	111	2	606
Edmonton City Centre	24	6,539	25	17	40	4	337
Edmonton International	16	10,039	4	11	47	5	430
Edmonton/Villeneuve	25	5,655	15	13	106	8	384
Fort McMurray	30	4,847	28	16	38	5	247
Gander International	38	2,818	18	9	45	18	244
Halifax/Robert L Stanfield International	23	6,749	28	11	46	12	320
Hamilton	33	3,920	18	19	33	17	218
Kelowna	26	5,625	6	9	59	2	311
Kitchener/Waterloo	17	8,873	18	11	93	10	746
Langley	34	3,664	11	11	100	11	374
London	8	12,201	23	14	110	6	782
Moncton/Greater Moncton International	13	11,001	23	14	73	5	654
Montréal/Pierre Elliott Trudeau International	4	16,507	10	18	53	16	674
Montréal/St-Hubert	5	16,081	12	14	129	12	1,068
Oshawa	29	5,029	28	10	68	6	319
Ottawa/Macdonald-Cartier International	6	15,323	7	12	93	4	765
Pitt Meadows	28	5,304	12	15	153	12	752
Prince George	35	3,555	21	15	63	21	325
Québec/Jean Lesage International	14	10,948	7	13	87	18	587
Regina International	27	5,519	18	15	43	25	279
Saskatoon/John G Diefenbaker International	18	8,260	11	15	60	4	426
Sault Ste. Marie	32	3,971	30	18	88	10	301
St. John's International	37	3,160	2	13	19	20	153
St-Jean	39	2,226	21	10	46	1	250
Thunder Bay	12	11,072	1	11	97	17	627
Toronto/Buttonville Municipal	7	14,459	6	18	105	11	878
Toronto/City Centre	19	8,084	8	14	76	12	443
Toronto/Lester B Pearson International	1	31,842	19	16	94	19	1,178
Vancouver Harbour	36	3,210	9	8	29	4	160
Vancouver International	2	22,117	23	8	76	12	848
Victoria International	10	11,198	12	12	94	26	697
Whitehorse International	41	1,396	27	13	25	25	97
Windsor	40	2,121	21	13	34	8	138
Winnipeg/James Armstrong Richardson International	15	10,771	6	9	60	6	491
Winnipeg/St. Andrews	11	11,074	5	14	118	11	607
Yellowknife	31	4,036	8	15	45	11	210

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	20	1,859	6	11	34	19	126
Campbell River	25	1,393	3	15	32	27	118
Castlegar	43	774	23	10	38	18	89
Charlottetown	27	1,343	19	15	19	19	100
Churchill	33	1,058	10	11	9	8	48
Cranbrook	41	830	5	10	16	9	68
Deer Lake	26	1,352	15	11	43	15	150
Fort Nelson	37	989	24	12	23	24	76
Fort St John	24	1,534	23	12	25	27	91
Fredericton International	1	8,696	13	16	71	22	502
Grande Prairie	7	2,917	23	12	40	23	156
High Level	42	807	6	14	14	6	65
Îles-de-la-Madeleine	52	290	2	6	4	12	20
Inuvik/Mike Zubko	31	1,163	16	14	10	25	66
Iqaluit	28	1,311	6	15	21	6	99
Kamloops	14	2,509	3	15	49	4	227
Kenora	36	997	27	16	33	18	70
Kingston	4	3,714	18	11	46	17	232
Kuujjuaq	40	849	28	14	12	2	44
La Grande Rivière	45	688	16	10	9	17	43
La Ronge	35	1,007	10	10	12	17	65
Lethbridge	22	1,581	9	19	33	9	139
Lloydminster	34	1,027	10	16	20	23	73
Medicine Hat	29	1,297	14	17	26	14	106
Mont-Joli	50	470	14	9	9	14	40
Montréal/Mirabel International	11	2,589	5	11	30	24	184
Nanaimo	18	1,960	7	15	40	9	201
Norman Wells	16	1,986	12	11	18	14	101
North Bay	2	4,479	4	12	70	13	412
Ottawa/Gatineau	3	4,056	22	10	67	8	318
Peace River	48	489	17	15	11	5	34
Penticton	5	3,081	11	10	51	18	259
Port Hardy	47	522	4	13	11	30	30
Prince Albert	23	1,571	11	12	28	26	83
Prince Rupert	51	427	18	15	25	15	51
Rankin Inlet	38	974	4	10	20	4	73
Red Deer Regional	6	3,050	12	15	47	20	219
Rouyn-Noranda	32	1,146	18	12	27	18	98
Saint John	21	1,748	22	21	23	12	104
Sept-Îles	17	1,967	8	15	23	18	99
Sioux Lookout	12	2,542	6	11	25	23	118
Smithers	49	485	29	22	8	5	28
St Catharines	9	2,793	13	14	46	12	226
Sudbury	10	2,638	27	14	27	27	213
Terrace	46	652	4	11	12	4	40
Thompson	8	2,840	15	14	26	3	131
Timmins	19	1,955	16	12	24	20	93
Val-d'Or	30	1,229	16	10	17	17	84
Victoria Harbour	13	2,518	2	8	20	4	114
Wabush	44	750	3	10	8	17	45
Whitecourt	15	2,407	26	10	52	3	239
Williams Lake	39	860	12	18	24	12	81

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	25	3,353	12	10	33	12	288
Boundary Bay	28	3,143	4	14	57	4	379
Calgary International	3	18,002	18	18	58	25	729
Calgary/Springbank	18	5,316	13	9	42	14	304
Chicoutimi/St-Honoré	32	2,212	23	13	27	2	166
Edmonton City Centre	14	5,599	4	15	30	5	278
Edmonton International	7	9,746	5	8	35	5	408
Edmonton/Villeneuve	36	1,801	7	13	28	7	132
Fort McMurray	20	4,227	4	15	27	5	215
Gander International	37	1,724	12	14	13	10	111
Halifax/Robert L Stanfield International	12	6,446	28	11	34	18	263
Hamilton	29	3,106	8	11	20	17	158
Kelowna	24	3,477	12	10	19	12	169
Kitchener/Waterloo	21	4,021	8	14	42	6	293
Langley	38	1,707	1	15	41	1	171
London	15	5,588	6	15	49	6	400
Moncton/Greater Moncton International	11	6,559	17	9	35	9	371
Montréal/Pierre Elliott Trudeau International	4	16,507	10	18	53	16	674
Montréal/St-Hubert	9	7,335	11	15	56	11	475
Oshawa	31	2,428	6	15	29	8	184
Ottawa/Macdonald-Cartier International	5	11,097	12	15	45	18	505
Pitt Meadows	33	2,107	12	15	51	12	312
Prince George	34	1,835	4	9	16	6	97
Québec/Jean Lesage International	8	7,821	17	11	40	13	387
Regina International	23	3,609	2	15	20	25	163
Saskatoon/John G Diefenbaker International	17	5,342	3	14	26	4	236
Sault Ste. Marie	35	1,827	11	10	15	8	98
St. John's International	30	3,012	10	14	15	20	133
St-Jean	39	1,436	1	14	33	1	226
Thunder Bay	16	5,377	28	12	27	20	279
Toronto/Buttonville Municipal	10	6,895	13	16	59	11	409
Toronto/City Centre	19	4,297	13	11	26	12	185
Toronto/Lester B Pearson International	1	31,842	19	16	94	19	1,178
Vancouver Harbour	26	3,210	9	8	29	4	160
Vancouver International	2	22,117	23	8	76	12	848
Victoria International	13	6,018	1	13	39	4	335
Whitehorse International	41	945	25	14	16	25	67
Windsor	40	1,373	7	9	12	28	88
Winnipeg/James Armstrong Richardson International	6	10,063	6	15	38	18	439
Winnipeg/St. Andrews	22	3,764	13	13	30	5	186
Yellowknife	27	3,188	4	15	20	4	154

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	30	965	24	11	14	4	60
Campbell River	25	1,091	4	13	17	27	78
Castlegar	46	540	20	11	14	18	53
Charlottetown	26	1,089	12	17	9	12	66
Churchill	27	1,052	10	11	9	8	48
Cranbrook	44	632	3	11	8	3	32
Deer Lake	20	1,180	15	11	11	15	62
Fort Nelson	33	921	24	10	14	24	54
Fort St John	18	1,294	5	11	10	26	65
Fredericton International	1	4,822	23	11	32	2	280
Grande Prairie	7	2,004	6	11	14	26	101
High Level	38	763	5	15	10	23	50
Îles-de-la-Madeleine	51	290	2	6	4	12	20
Inuvik/Mike Zubko	22	1,145	16	14	10	25	66
Iqaluit	19	1,259	6	12	14	6	87
Kamloops	13	1,536	26	14	23	26	97
Kenora	36	775	19	11	10	19	50
Kingston	6	2,010	12	14	23	8	133
Kuujjuaq	35	831	28	14	12	2	44
La Grande Rivière	42	678	16	10	9	17	43
La Ronge	29	987	4	10	10	25	55
Lethbridge	28	1,019	9	16	12	9	65
Lloydminster	40	705	22	16	8	4	42
Medicine Hat	34	855	14	11	10	14	56
Mont-Joli	50	454	25	9	6	16	26
Montréal/Mirabel International	11	1,691	7	14	15	11	106
Nanaimo	17	1,344	4	14	24	9	111
Norman Wells	37	768	13	14	10	27	44
North Bay	15	1,509	8	14	17	10	94
Ottawa/Gatineau	12	1,652	8	16	19	8	116
Peace River	48	489	17	15	11	5	34
Penticton	23	1,137	27	15	14	27	71
Port Hardy	47	506	3	13	8	30	30
Prince Albert	16	1,501	17	8	14	19	79
Prince Rupert	52	289	3	10	6	2	18
Rankin Inlet	32	938	23	13	11	27	57
Red Deer Regional	10	1,720	14	13	34	14	131
Rouyn-Noranda	31	938	17	15	12	17	55
Saint John	14	1,512	17	21	14	4	81
Sept-Îles	9	1,795	23	9	13	18	87
Sioux Lookout	4	2,428	12	8	17	20	109
Smithers	49	483	29	22	8	5	28
St Catharines	21	1,145	1	11	18	16	75
Sudbury	5	2,210	27	18	14	13	105
Terrace	43	648	4	11	8	4	36
Thompson	2	2,748	30	14	17	3	131
Timmins	8	1,884	17	10	12	27	91
Val-d'Or	24	1,119	11	9	11	12	72
Victoria Harbour	3	2,506	2	8	20	4	114
Wabush	39	750	3	10	8	17	45
Whitecourt	41	699	20	13	9	5	45
Williams Lake	45	630	4	14	8	2	33

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	12	4,360	2	11	78	12	332
Boundary Bay	10	4,646	11	11	66	4	377
Calgary International	37	94	16	14	16	16	18
Calgary/Springbank	5	6,325	26	13	78	26	398
Chicoutimi/St-Honoré	8	5,170	4	9	88	2	440
Edmonton City Centre	26	940	25	17	22	8	74
Edmonton International	35	293	20	10	24	20	50
Edmonton/Villeneuve	14	3,854	15	13	86	8	290
Fort McMurray	32	620	28	16	28	22	68
Gander International	25	1,094	18	9	34	18	150
Halifax/Robert L Stanfield International	34	303	12	18	24	12	63
Hamilton	28	814	10	11	24	17	60
Kelowna	20	2,148	6	9	46	2	162
Kitchener/Waterloo	9	4,852	10	19	72	10	472
Langley	22	1,957	11	11	76	11	218
London	4	6,613	23	14	96	16	486
Moncton/Greater Moncton International	11	4,442	23	14	44	13	301
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	8,746	12	14	90	12	662
Oshawa	19	2,601	28	10	55	3	165
Ottawa/Macdonald-Cartier International	13	4,226	6	12	58	7	342
Pitt Meadows	16	3,197	27	15	114	12	440
Prince George	24	1,720	21	15	48	7	248
Québec/Jean Lesage International	17	3,127	7	13	52	23	224
Regina International	23	1,910	22	10	32	22	160
Saskatoon/John G Diefenbaker International	18	2,918	11	15	42	4	190
Sault Ste. Marie	21	2,144	30	18	80	10	220
St. John's International	36	148	2	13	12	20	20
St-Jean	29	790	21	10	34	21	108
Thunder Bay	6	5,695	1	11	80	17	382
Toronto/Buttonville Municipal	2	7,564	6	18	86	2	514
Toronto/City Centre	15	3,787	8	14	64	12	258
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	7	5,180	18	14	78	26	406
Whitehorse International	33	451	27	13	20	27	36
Windsor	30	748	21	13	26	8	76
Winnipeg/James Armstrong Richardson International	31	708	6	9	30	6	80
Winnipeg/St. Andrews	3	7,310	5	14	100	11	456
Yellowknife	27	848	8	15	34	22	90

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	13	894	6	11	26	25	80
Campbell River	19	302	3	15	20	30	56
Castlegar	23	234	23	10	32	23	54
Charlottetown	20	254	19	15	14	19	52
Churchill	47	6	28	14	6	28	6
Cranbrook	27	198	9	15	16	9	40
Deer Lake	29	172	4	14	36	15	88
Fort Nelson	36	68	24	12	20	24	22
Fort St John	21	240	23	12	22	23	38
Fredericton International	1	3,874	13	16	54	22	255
Grande Prairie	11	913	23	12	34	23	82
High Level	38	44	6	15	10	6	18
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	41	18	9	18	6	9	6
Iqaluit	37	52	6	15	12	6	12
Kamloops	10	973	3	15	40	4	174
Kenora	25	222	27	16	30	8	30
Kingston	6	1,704	1	18	32	17	140
Kuujjuaq	42	18	3	8	8	3	10
La Grande Rivière	46	10	30	9	4	30	6
La Ronge	40	20	10	10	6	17	14
Lethbridge	15	562	9	19	30	14	76
Lloydminster	18	322	20	11	18	20	42
Medicine Hat	16	442	14	17	22	29	60
Mont-Joli	44	16	14	9	6	14	16
Montréal/Mirabel International	12	898	5	11	26	24	108
Nanaimo	14	616	7	15	34	9	90
Norman Wells	9	1,218	3	8	16	13	64
North Bay	2	2,970	10	14	62	13	338
Ottawa/Gatineau	3	2,404	13	13	50	8	202
Peace River	0	0	0	0	0	0	0
Penticton	4	1,944	5	10	46	18	202
Port Hardy	43	16	4	13	8	4	14
Prince Albert	35	70	11	12	20	11	20
Prince Rupert	30	138	18	15	22	15	40
Rankin Inlet	39	36	4	10	18	4	28
Red Deer Regional	8	1,330	12	15	36	13	130
Rouyn-Noranda	26	208	9	10	22	18	50
Saint John	22	236	22	21	18	23	48
Sept-Îles	28	172	8	15	18	7	24
Sioux Lookout	31	114	6	11	16	10	18
Smithers	49	2	13	14	2	13	2
St Catharines	7	1,648	12	16	36	12	174
Sudbury	17	428	27	21	22	27	110
Terrace	48	4	4	11	4	4	4
Thompson	33	92	15	14	22	15	30
Timmins	34	71	16	12	16	16	22
Val-d'Or	32	110	16	10	12	17	20
Victoria Harbour	45	12	25	10	12	25	12
Wabush	0	0	0	0	0	0	0
Whitecourt	5	1,708	26	10	48	3	202
Williams Lake	24	230	12	18	22	12	50

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	12	4,356	2	11	78	12	332
Boundary Bay	10	4,646	11	11	66	4	377
Calgary International	37	85	16	14	8	21	18
Calgary/Springbank	5	6,321	26	13	78	26	398
Chicoutimi/St-Honoré	7	5,170	4	9	88	2	440
Edmonton City Centre	25	934	25	17	22	8	74
Edmonton International	35	280	20	10	24	20	50
Edmonton/Villeneuve	14	3,854	15	13	86	8	290
Fort McMurray	31	620	28	16	28	22	68
Gander International	26	930	18	12	32	18	118
Halifax/Robert L Stanfield International	34	299	12	18	24	12	63
Hamilton	27	814	10	11	24	17	60
Kelowna	20	2,146	6	9	46	2	162
Kitchener/Waterloo	9	4,846	10	19	72	10	472
Langley	22	1,957	11	11	76	11	218
London	4	6,596	23	14	96	16	470
Moncton/Greater Moncton International	11	4,441	23	14	44	13	301
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	8,740	12	14	90	12	662
Oshawa	19	2,601	28	10	55	3	165
Ottawa/Macdonald-Cartier International	13	4,221	6	12	58	7	342
Pitt Meadows	16	3,195	27	15	114	12	440
Prince George	24	1,720	21	15	48	7	248
Québec/Jean Lesage International	17	3,127	7	13	52	23	224
Regina International	23	1,860	22	10	32	22	160
Saskatoon/John G Diefenbaker International	18	2,882	11	15	42	4	190
Sault Ste. Marie	21	2,130	30	18	80	10	220
St. John's International	36	148	2	13	12	20	20
St-Jean	28	790	21	10	34	21	108
Thunder Bay	6	5,675	1	11	80	17	382
Toronto/Buttonville Municipal	2	7,564	6	18	86	2	514
Toronto/City Centre	15	3,787	8	14	64	12	258
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	8	4,888	18	14	76	26	396
Whitehorse International	32	451	27	13	20	27	36
Windsor	30	746	21	13	26	8	76
Winnipeg/James Armstrong Richardson International	33	441	6	16	20	4	42
Winnipeg/St. Andrews	3	7,310	5	14	100	11	456
Yellowknife	29	765	8	15	34	22	90

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	13	846	6	11	26	25	80
Campbell River	19	302	3	15	20	30	56
Castlegar	23	234	23	10	32	23	54
Charlottetown	20	254	19	15	14	19	52
Churchill	46	6	28	14	6	28	6
Cranbrook	26	194	9	15	16	9	40
Deer Lake	27	172	4	14	36	15	88
Fort Nelson	35	68	24	12	20	24	22
Fort St John	21	240	23	12	22	23	38
Fredericton International	1	3,822	13	16	54	22	255
Grande Prairie	11	913	23	12	34	23	82
High Level	38	44	6	15	10	6	18
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	41	18	9	18	6	9	6
Iqaluit	37	52	6	15	12	6	12
Kamloops	10	937	3	15	40	4	174
Kenora	29	168	27	16	30	8	30
Kingston	6	1,688	1	18	32	17	140
Kuujjuaq	42	18	3	8	8	3	10
La Grande Rivière	45	10	30	9	4	30	6
La Ronge	40	20	10	10	6	17	14
Lethbridge	15	472	19	11	26	14	76
Lloydminster	18	308	20	11	18	20	42
Medicine Hat	16	440	14	17	22	29	60
Mont-Joli	43	16	14	9	6	14	16
Montréal/Mirabel International	12	880	5	11	26	24	108
Nanaimo	14	616	7	15	34	9	90
Norman Wells	9	1,218	3	8	16	13	64
North Bay	2	2,966	10	14	62	13	338
Ottawa/Gatineau	3	2,404	13	13	50	8	202
Peace River	0	0	0	0	0	0	0
Penticton	4	1,944	5	10	46	18	202
Port Hardy	49	2	20	11	2	20	2
Prince Albert	36	60	11	12	20	11	20
Prince Rupert	30	138	18	15	22	15	40
Rankin Inlet	39	36	4	10	18	4	28
Red Deer Regional	8	1,330	12	15	36	13	130
Rouyn-Noranda	25	208	9	10	22	18	50
Saint John	22	236	22	21	18	23	48
Sept-Îles	28	172	8	15	18	7	24
Sioux Lookout	31	114	6	11	16	10	18
Smithers	48	2	13	14	2	13	2
St Catharines	7	1,648	12	16	36	12	174
Sudbury	17	428	27	21	22	27	110
Terrace	47	4	4	11	4	4	4
Thompson	33	92	15	14	22	15	30
Timmins	34	71	16	12	16	16	22
Val-d'Or	32	110	16	10	12	17	20
Victoria Harbour	44	12	25	10	12	25	12
Wabush	0	0	0	0	0	0	0
Whitecourt	5	1,708	26	10	48	3	202
Williams Lake	24	230	12	18	22	12	50

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	16	4	5	14	2	5	2
Boundary Bay	0	0	0	0	0	0	0
Calgary International	11	9	16	14	8	16	8
Calgary/Springbank	18	4	5	13	2	5	2
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	12	6	4	15	4	4	4
Edmonton International	10	13	27	17	7	27	7
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Gander International	3	164	18	9	18	18	32
Halifax/Robert L Stanfield International	17	4	23	16	4	23	4
Hamilton	0	0	0	0	0	0	0
Kelowna	19	2	11	9	2	11	2
Kitchener/Waterloo	14	6	30	11	6	30	6
Langley	0	0	0	0	0	0	0
London	8	17	16	15	12	16	16
Moncton/Greater Moncton International	22	1	7	10	1	7	1
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	13	6	13	13	2	13	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	15	5	1	12	2	1	2
Pitt Meadows	21	2	18	16	2	18	2
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	5	50	2	16	4	18	10
Saskatoon/John G Diefenbaker International	6	36	24	12	10	24	16
Sault Ste. Marie	9	14	17	14	10	17	10
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	7	20	28	16	8	28	12
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/City Centre	0	0	0	0	0	0	0
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	1	292	25	18	22	25	62
Whitehorse International	0	0	0	0	0	0	0
Windsor	20	2	13	13	2	13	2
Winnipeg/James Armstrong Richardson International	2	267	6	9	28	6	42
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	4	83	19	10	12	19	19

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	4	48	27	14	12	6	18
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	11	4	21	12	4	21	4
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	3	52	3	4	22	3	26
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	5	36	10	16	18	10	18
Kenora	2	54	17	14	24	18	30
Kingston	7	16	3	12	8	3	8
Kuujjuaq	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	1	90	9	19	30	9	52
Lloydminster	9	14	25	12	10	25	14
Medicine Hat	13	2	13	14	2	13	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	6	18	17	11	6	17	10
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	12	4	2	11	4	2	4
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	8	14	4	13	8	4	14
Prince Albert	10	10	5	13	4	5	4
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

- Aircraft identification

- Aircraft type

- The last station before landing at the reporting airport or the next station after take-off

- Arrival or departure

- Time of movement

- Runway used

- Flight rules (Instrument flight rules or Visual flight rules).

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

- Hour

- Single engine aircraft

- Multi-engine aircraft

- Jet aircraft

- Military aircraft

- Date of movement

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

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

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

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

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

Data quality and limitations

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

Factors influencing the data

Beginning in early November 2009, WestJet has initiated seasonal flights to new sunny destinations as well as increased the frequency to others from cities throughout the country.

From mid-October 2009 until the end of April 2010, WestJet will fly five times weekly between Toronto and Miami and four times weekly between Toronto and Atlantic City.

Porter Airlines introduced St. John's, Newfoundland and Labrador as its newest destination in Atlantic Canada on October 5, 2009. As part of its expanded service to the region, the airline added four daily non-stop round trip flights between St. John's and Halifax, with ongoing direct flights also connecting Ottawa and Toronto.

Effective September 14, 2009, Porter Airlines added three daily roundtrip flights between Boston Logan International and Toronto City/Centre.

Porter Airlines has added three daily round trip flights on weekdays and two daily round trip flights on weekends between Toronto City Centre Airport and Thunder Bay International Airport effective June 26, 2009.

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

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

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

Porter Airlines has added five daily round trip flights between Toronto City Centre Airport and Montreal's Pierre Elliott Trudeau International Airport as well as four daily roundtrip flights between Toronto City Centre Airport and Ottawa's MacDonald-Cartier International Airport effective April 15, 2009.

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

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

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

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

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

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

St. Anthony, Newfoundland and Labrador – As of December 2008, data for St. Anthony are found in Catalogue no. 51-008, Aircraft Movement Statistics: Airports Without Air Traffic Control Towers.

Appendix II

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 "3" under "Purpose" in the Canadian civil aircraft register.

Government-Military

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

Gross take-off weight

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

I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

International movements

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

Itinerant movements

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

Local movements

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

Other commercial

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

Power plant

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

Private aircraft

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

Runway 88

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

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

Simulated approaches

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

TC

Transport Canada.

Tower control zone

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

V.F.R. flight

A flight conducted in accordance with Visual flight rules.

Weight group

The classification of weight classes in groups for statistical purposes.